



GSMGPRS_Siemens_BSS_BR10 Product Requirements

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1 Change History

Issue	Date	Author	Comments
1.0	21 Oct 2010	IBM	Fixpack Released

2 Outstanding Issues

Number	Date	Description	Planned Resolution
N/A			

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3 Vendor Measurement Scope

The table below lists the vendor OM groups that are in scope for this tech pack module, broken down by network element, together with their corresponding tech pack KPI group.

Vendor Measurement	Tech Pack KPI Group
ATM_VCC - Mapped with SCANATMVC.BSS_ID & "/" & ATMVPC_ID & "/" & ATMVCC_ID	
SCANATMVC	ATM_VCC.Siemens.GSM.ATM_virtual_circuit
ATM_VPC - Mapped with SCANATMVP.BSS_ID & "/" & ATMVPC_ID	
SCANATMVP	ATM_VPC.Siemens.GSM.ATM_virtual_path
BS - Mapped with SCANBTSM.BSC_ID&"-"&BTSM_ID or SCANFBTSM.BSC_ID&"-"&BTSM_ID	
SCANBTSM	BS.Siemens.GSM.BTSM_Interface
SCANBTSM	BS.Siemens.GSM.CESop_Ethernent_Packet
SCANBTSM	BS.Siemens.GSM.CESoP_traffic_per_CESPW
SCANBTSM	BS.Siemens.GSM.CESoPSN_service
SCANBTSM	BS.Siemens.GSM.Downlink_LAPD_LinkUsage
SCANBTSM	BS.Siemens.GSM.Jitter_buffer
SCANBTSM	BS.Siemens.GSM.LAPD_RoundTripTime
SCANBTSM	BS.Siemens.GSM.Round_Trip_Delay
SCANBTSM	BS.Siemens.GSM.Uplink_LAPD_LinkUsage
SCANFBTSM	BS.Siemens.GSM.Abis
BSC - Mapped with CREATEBTS.BSC	
BTS_AGG_TO_BSC	BSC.Siemens.GSM.TCH_Traffic
SCANBSC	BSC.Siemens.GSM.AGPS_EOTD_RRLP_Proc
SCANBSC	BSC.Siemens.GSM.Borrowed_Packet_Data_Terminal

SCANBSC	BSC.Siemens.GSM.BSC_NS_Function
SCANBSC	BSC.Siemens.GSM.Handover
SCANBSC	BSC.Siemens.GSM.Lent_Packet_Data_Terminal
SCANBSC	BSC.Siemens.GSM.Location_Requests
SCANBSC	BSC.Siemens.GSM.LOR_per_Positioning
SCANBSC	BSC.Siemens.GSM.Paging_BSC
SCANBSC	BSC.Siemens.GSM.PDCH_BSC1
SCANBSC	BSC.Siemens.GSM.PDCH_eBSC_Basic
SCANBSC	BSC.Siemens.GSM.PDCH_eBSC_Highcap
SCANBSC	BSC.Siemens.GSM.Processor1
SCANBSC	BSC.Siemens.GSM.Processor
SCANBSC	BSC.Siemens.GSM.SCCP_Termination
SCANBSC	BSC.Siemens.GSM.TA_ECITA_Positioning
SCANBSC	BSC.Siemens.GSM.UTDOA_Positioning_Procedure
SCANBSC_eBSC	BSC.Siemens.GSM.eBSC_NS_Function
SCANBSC_eBSC_BASIC	BSC.Siemens.GSM.Basic_eBSC_Processor
SCANBSC_eBSC_EXTENDED	BSC.Siemens.GSM.Extended_eBSC_Processor
SCANDPC	BSC.Siemens.GSM.A_Interface_MTP
SCANDPC	BSC.Siemens.GSM.A_Interface_SCCP
SCANFBTSM_BSC	BSC.Siemens.GSM.BTSM_Interface
SCANGPRS_AGGREGATE	BSC.Siemens.GSM.PDCH
Cell - Mapped with CREATEBTS.CI	
SCANBTS	Cell.Siemens.GSM.ASCI
SCANBTS	Cell.Siemens.GSM.Assignment_SDCCH_and_TCH_Full_Rate
SCANBTS	Cell.Siemens.GSM.Assignment_TCH_HalfRate
SCANBTS	Cell.Siemens.GSM.Busy_TCH

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SCANBTS	Cell.Siemens.GSM.CCCH
SCANBTS	Cell.Siemens.GSM.Cell_TCH_BH
SCANBTS	Cell.Siemens.GSM.CH_allocation_reqs_not_served
SCANBTS	Cell.Siemens.GSM.Clear_Message
SCANBTS	Cell.Siemens.GSM.Concentric_TCH_FullRate
SCANBTS	Cell.Siemens.GSM.Concentric_TCH_HalfRate
SCANBTS	Cell.Siemens.GSM.DMA_admission_control
SCANBTS	Cell.Siemens.GSM.DMA_rejections
SCANBTS	Cell.Siemens.GSM.Extended_TCH_FullRate
SCANBTS	Cell.Siemens.GSM.Extended_TCH_HalfRate
SCANBTS	Cell.Siemens.GSM.HSCSD_Connection_related
SCANBTS	Cell.Siemens.GSM.Immediate_Assignment
SCANBTS	Cell.Siemens.GSM.InterCell_Handover
SCANBTS	Cell.Siemens.GSM.Internal_intercell_handover_failures
SCANBTS	Cell.Siemens.GSM.Internal_intercell_SDCCH_HO
SCANBTS	Cell.Siemens.GSM.Internal_intracell_SDCCH_HO
SCANBTS	Cell.Siemens.GSM.Intracell_Handover_compression
SCANBTS	Cell.Siemens.GSM.Intracell_Handover
SCANBTS	Cell.Siemens.GSM.MSC_SDCCH_Handovers
SCANBTS	Cell.Siemens.GSM.QoS_Interference
SCANBTS	Cell.Siemens.GSM.Radio_Queueing
SCANBTS	Cell.Siemens.GSM.SDCCH_busy_per_procedure
SCANBTS	Cell.Siemens.GSM.SDCCH
SCANBTS	Cell.Siemens.GSM.Smooth_Channel
SCANBTS	Cell.Siemens.GSM.Standard_cell_mean_busy_CHs
SCANBTS	Cell.Siemens.GSM.Standard_TCH_FullRate
SCANBTS	Cell.Siemens.GSM.Standard_TCH_HalfRate
SCANBTS	Cell.Siemens.GSM.TCH_HighLoad_Events
SCANBTS	Cell.Siemens.GSM.TCH_Related

SCANBTS	Cell.Siemens.GSM.TCH_SD
SCANBTS	Cell.Siemens.GSM.USSD_signalling
SCANBTS	Cell.Siemens.GSM.Wireless_priority_service
SCANBTS_ADD	Cell.Siemens.GSM.Cell_TCH_BH
SCANBTS_CONCENTRIC	Cell.Siemens.GSM.Cell_TCH_BH
SCANBTS_CONCENTRIC	Cell.Siemens.GSM.Concen_cell_mean_busy_CHs_SLCA
SCANBTS_CONCENTRIC	Cell.Siemens.GSM.Concen_cell_mean_busy_CHs_SLPA
SCANBTS_CONCENTRIC	Cell.Siemens.GSM.Concentric_TCH_FullRate
SCANBTS_CONCENTRIC	Cell.Siemens.GSM.Concentric_TCH_HalfRate
SCANBTS_EXTENDED	Cell.Siemens.GSM.Extend_cell_mean_busy_CHs_SLCA
SCANBTS_EXTENDED	Cell.Siemens.GSM.Extend_cell_mean_busy_CHs_SLPA
SCANBTS_EXTENDED	Cell.Siemens.GSM.Extended_TCH_FullRate
SCANBTS_EXTENDED	Cell.Siemens.GSM.Extended_TCH_HalfRate
SCANBTS_STANDARD	Cell.Siemens.GSM.Stand_cell_mean_busy_CHs_BCCH
SCANBTS_STANDARD	Cell.Siemens.GSM.Stand_cell_mean_busy_CHs_NBCCH
SCANBTSE	Cell.Siemens.GSM.AMR_Frames
SCANBTSE	Cell.Siemens.GSM.AMR_FullRate
SCANBTSE	Cell.Siemens.GSM.AMR_HalfRate
SCANBTSE	Cell.Siemens.GSM.AMR_WBFullRate
SCANBTSE	Cell.Siemens.GSM.CCCH
SCANBTSE	Cell.Siemens.GSM.Clear_Message
SCANBTSE	Cell.Siemens.GSM.Defined_CCCH_channels
SCANBTSE	Cell.Siemens.GSM.FACCH_Supervision
SCANBTSE	Cell.Siemens.GSM.FER_AMR_FullRate
SCANBTSE	Cell.Siemens.GSM.FER_AMR_HalfRate
SCANBTSE	Cell.Siemens.GSM.FER_AMR_WB

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SCANBTSE	Cell.Siemens.GSM.Power_Quality_Measure
SCANBTSE	Cell.Siemens.GSM.RxQual_AMR_FullRate
SCANBTSE	Cell.Siemens.GSM.RxQual_AMR_HalfRate
SCANBTSE	Cell.Siemens.GSM.RxQual_AMR_WB
SCANBTSE	Cell.Siemens.GSM.Transmitted_SACCH_frames
SCANBTSOHOI_AGGREGATE	Cell.Siemens.GSM.Intra_BSC_handover_attempt_KPIs
SCANBTSOHOI_AGGREGATE	Cell.Siemens.GSM.Intra_BSC_handover_dist_KPIs
SCANBTSOHOI_AGGREGATE	Cell.Siemens.GSM.Intra_BSC_handover_failure_KPIs
SCANBTSOHOI_AGGREGATE	Cell.Siemens.GSM.Intra_BSC_handover_success_KPIs
SCANBTSOHON_AGGREGATE	Cell.Siemens.GSM.Inter_BSC_HO_attempts_KPIs
SCANBTSOHON_AGGREGATE	Cell.Siemens.GSM.Inter_BSC_HO_dist_KPIs
SCANBTSOHON_AGGREGATE	Cell.Siemens.GSM.Inter_BSC_HO_failure_KPIs
SCANBTSOHON_AGGREGATE	Cell.Siemens.GSM.Inter_BSC_HO_success_KPIs
SCANBTSOHOS_AGGREGATE	Cell.Siemens.GSM.Inter_system_handover_attempt_KPIs
SCANBTSOHOS_AGGREGATE	Cell.Siemens.GSM.Inter_system_handover_dist_KPIs
SCANBTSOHOS_AGGREGATE	Cell.Siemens.GSM.Inter_system_handover_failure_KPIs
SCANBTSOHOS_AGGREGATE	Cell.Siemens.GSM.Inter_system_handover_success_KPIs
SCANGPRS	Cell.Siemens.GSM.Attempted_cell_reselection
SCANGPRS	Cell.Siemens.GSM.BSSGP
SCANGPRS	Cell.Siemens.GSM.Cell_reselection_procedure
SCANGPRS	Cell.Siemens.GSM.Defined_PCCCH_frames
SCANGPRS	Cell.Siemens.GSM.Discarded_LLC_PDU_s_background
SCANGPRS	Cell.Siemens.GSM.Discarded_LLC_PDU_s_interactive
SCANGPRS	Cell.Siemens.GSM.Discarded_LLC_PDU_s_streaming

SCANGPRS	Cell.Siemens.GSM.DL_LLC_PDU_filling_queue
SCANGPRS	Cell.Siemens.GSM.DTM_Measurements
SCANGPRS	Cell.Siemens.GSM.GPRS_Data_Downlink
SCANGPRS	Cell.Siemens.GSM.GPRS_Data_Uplink
SCANGPRS	Cell.Siemens.GSM.GPRS_Data
SCANGPRS	Cell.Siemens.GSM.GPRS
SCANGPRS	Cell.Siemens.GSM.GTTP_Throughput
SCANGPRS	Cell.Siemens.GSM.LLC_data_volume
SCANGPRS	Cell.Siemens.GSM.LLC_PDUs_on_Gb_interface
SCANGPRS	Cell.Siemens.GSM.Mean_user_data_throughput_LLC
SCANGPRS	Cell.Siemens.GSM.Outage_LLC_PDUs
SCANGPRS	Cell.Siemens.GSM.Packet_Flow_Context
SCANGPRS	Cell.Siemens.GSM.PAGCH
SCANGPRS	Cell.Siemens.GSM.Paging
SCANGPRS	Cell.Siemens.GSM.PD_assignments
SCANGPRS	Cell.Siemens.GSM.PDCH_diffserv
SCANGPRS	Cell.Siemens.GSM.PDCH
SCANGPRS	Cell.Siemens.GSM.PDUs_Delay
SCANGPRS	Cell.Siemens.GSM.PRACH_messages
SCANGPRS	Cell.Siemens.GSM.Radio_Resource_diffserv
SCANGPRS	Cell.Siemens.GSM.Radio_Resource
SCANGPRS	Cell.Siemens.GSM.Received_flush_PDUs
SCANGPRS	Cell.Siemens.GSM.Reselection_attempts
SCANGPRS	Cell.Siemens.GSM.RLC
SCANGPRS	Cell.Siemens.GSM.TBF
SCANGPRS	Cell.Siemens.GSM.Timeslot_resources_achieved

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SCANGPRS	Cell.Siemens.GSM.Unsuccessful_cell_reselections
SCANGPRS	Cell.Siemens.GSM.Unsuccessful_terminated_TBF_diffserv
SCANGPRS	Cell.Siemens.GSM.Unsuccessful_terminated_TBFS
SCANGPRS	Cell.Siemens.GSM.Weighted_LLC_data_single_ts
SCANGPRS	Cell.Siemens.GSM.Weighted_LLC_data_throughput
SCANGPRS	Cell.Siemens.GSM.Weighted_user_data_throughput
Common_Control_Channel - Mapped with CREATECHAN.CI & "/" & TRX & "-" & CHAN	
SCANCHAN	Common_Control_Channel.Siemens.GSM.Power_and_Quality_Uplink
DPC - Mapped with SCANDPC.BSC_ID & "-" & DPC_ID	
SCANDPC	DPC.Siemens.GSM.A_Interface_MTP
SCANDPC	DPC.Siemens.GSM.A_Interface_SCCP
SCANDPC	DPC.Siemens.GSM.A_Interface_SS7_Link
SCANDPC	DPC.Siemens.GSM.MSC_DPC
Neighbour - Mapped with SCANBTSHO.CI & "/" & ADJ_CI or SCANBTSHOI.CI & "/" & ADJ_CI or SCANBTSHON.CI & "/" & ADJ_CI or SCANBTSHOS.CI & "/" & ADJ_BSC_ID & "-" & ADJ_FDD_NO	
SCANBTSHO	Neighbour.Siemens.GSM.Handovers_intra_BSC_Complete_complete
SCANBTSHO	Neighbour.Siemens.GSM.Handovers_intra_BSC_Complete_inner
SCANBTSHO	Neighbour.Siemens.GSM.Handovers_intra_BSC_Inner_complete
SCANBTSHO	Neighbour.Siemens.GSM.Handovers_intra_BSC_Inner_inner
SCANBTSHOI	Neighbour.Siemens.GSM.Handovers_intra_BSC_Complete_complete
SCANBTSHOI	Neighbour.Siemens.GSM.Handovers_intra_BSC_Complete_inner
SCANBTSHOI	Neighbour.Siemens.GSM.Handovers_intra_BSC_Inner_complete
SCANBTSHOI	Neighbour.Siemens.GSM.Handovers_intra_BSC_Inner_inner
SCANBTSHON	Neighbour.Siemens.GSM.Inter_BSC_Handover
SCANBTSHOS	Neighbour.Siemens.GSM.Intersystem_HO
NSVC - Mapped with CREATENSVC.BSC & "/" & NSVCI	

SCANN SVC	NSVC.Siemens.GSM.Throughput_NSVC
Signalling Link - Mapped with SCANSS7L.BSS_ID&"-"&LINKSET or SCANDPC.BSS_ID&"-"&DPC_ID or SCANBSC.BSS_ID	
SCANBSC	Signalling_Link.Siemens.GSM.A_Interface_SS7_Link
SCANDPC	Signalling_Link.Siemens.GSM.A_Interface_SS7_Link
SCANSS7L	Signalling_Link.Siemens.GSM.A_Interface_SS7_Link
TRAU - Mapped with SCANTRAU.BSC_ID & "-" & TRAU_ID or SCANTRAU_HIGH_INTEGRATED.BSC_ID & "-" & TRAU_ID	
SCANTRAU	TRAU.Siemens.GSM.TRAU_Iframes
SCANTRAU	TRAU.Siemens.GSM.TRAU_LIET_processor_load
SCANTRAU	TRAU.Siemens.GSM.TRAU_LISO_processor_load
SCANTRAU	TRAU.Siemens.GSM.TRAU_MCP_processor_load
SCANTRAU	TRAU.Siemens.GSM.TRAU_MSB_processor_load
SCANTRAU	TRAU.Siemens.GSM.TRAU_SMAC_processor_load
SCANTRAU_HIGH_INTEGRATED	TRAU.Siemens.GSM.TRAU_MSB_processor_load_HIGH
SCANTRAU_HIGH_INTEGRATED	TRAU.Siemens.GSM.TRAU_SMAC_processor_load_HIGH
TRX - Mapped with CREATETRX.CI&"/"&TRX	
SCANCTRX_CFERRXQU	TRX.Siemens.GSM.FER_correlated_to_RXQUAL
SCANCTRX_CRXLVQUD	TRX.Siemens.GSM.Correlated_RXLEV_to_RXQUAL_KPIs
SCANCTRX_CRXLVQUD	TRX.Siemens.GSM.Correlated_RXLEV_to_RXQUAL
SCANCTRX_CRXLVQUU	TRX.Siemens.GSM.Correlated_RXLEV_to_RXQUAL_KPIs
SCANCTRX_CRXLVQUU	TRX.Siemens.GSM.Correlated_RXLEV_to_RXQUAL
SCANCTRX_CRXLVTAD	TRX.Siemens.GSM.RX_Level_correlated_to_time_advance
SCANCTRX_CRXLVTAU	TRX.Siemens.GSM.RX_Level_correlated_to_time_advance
SCANCTRX	TRX.Siemens.GSM.QoS_Interference

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SCANTRX

[TRX.Siemens.GSM.TRX_Availability](#)

4 Tech Pack Prerequisites

This section lists the Tech Pack modules that the current Tech Pack is dependent on, in alphabetical order.

- Neutral Core GOM
- Neutral GPRS/UMTS CN GOM
- Neutral GPRS BSS GOM
- Neutral GSM BSS/NSS GOM
- Neutral UMTS UTRAN GOM
- VNL GOMlet

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5 Network Model

This section describes any network objects that are defined in this technology pack module, in terms of their configuration attributes.

5.1 ATM_VCC details

In the network hierarchy, the immediate parent of the ATM_VCC object is ATM_VPC.

Attribute Name	Description	Read - Only ?	Time-Track ed?	Mapping	Aggrega tor
Primary Identifier					
ATM_VCC_I d	The unique identifier for the ATM VCC.	Y		SCANATMVC.BSS_ID & "/" & ATMVPC_ID & "/" & ATMVCC_ID	
Relationship Attributes					
ATM_VPC_I d	The ATM VPC associated with the VCC.	Y	Y	SCANATMVC.BSS_ID & "/" & ATMVPC_ID	
Region_Id	The region associated with the VCC.	Y	Y	lookup("nc_bsc","region_id",utime(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANATMVC.BSS_ID)	
Network_Id	The network associated with the VCC.	Y	Y	"PLMN"	
Configuration Attributes					
ATM_VCC_ Name	The user-friendly name preferably unique for the ATM VCC.			SCANATMVC.BSS_ID & "/" & ATMVPC_ID & "/" & ATMVCC_ID	

Node_Id	A unique identifier for the Node.	Y		SCANATMVC.BSS_ID	
Node_Name	A user friendly name preferably unique for the Node.			SCANATMVC.BSC_ID	
Node_Type	Type of Node.	Y		"BSC"	
Version	The hardware/software version of the ATM switch that handles the VCC / Node	Y		"BR10.0"	
Technology	Technology of the network/element (e.g. GSM, GPRS, UMTS).	Y		"GSM"	
NodeB_Id	Identifier of the NodeB			No mapping	
NodeB_Name	Meaningful name of the NodeB			No mapping	
AAL_Id	Unique identifier for the AAL link			No mapping	
AAL_Name	A user friendly name for the AAL link			No mapping	
AAL_Type	Type of the AAL link (e.g. AAL1, AAL2, AAL5)			No mapping	

5.2 ATM_VPC details

In the network hierarchy, the immediate parent of the ATM_VPC object is Region.

Attribute Name	Description	Read - Only ?	Time-Track ed?	Mapping	Aggrega tor
Primary Identifier					
ATM_VPC_I	The unique identifier for	Y		SCANATMVP.BSS_ID & "/" &	

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d	the ATM VPC			ATMVPC_ID	
Relationship Attributes					
Region_Id	The region associated with the ATM VPC.	Y	Y	lookup("nc_bsc","region_id",utime(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANATMVP.BSS_ID)	
Network_Id	The network associated with the ATM VPC.	Y	Y	"PLMN"	
Configuration Attributes					
ATM_VPC_Name	The user-friendly name preferably unique for the ATM VPC			SCANATMVP.BSS_ID & "/" & ATMVPC_ID	
Node_Id	A unique identifier for the Node.	Y		SCANATMVP.BSS_ID	
Node_Name	A user friendly name preferably unique for Node.			lookup("nc_bsc","bsc_name",utime(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANATMVP.BSS_ID)	
Node_Type	The type of the Node associated with the ATM VPC (e.g. MGW, RNC).	Y		"BSC"	
Version	The hardware/software version of the ATM switch that handles the VPC.			"BR10.0"	
Technology	Technology of the network/element (e.g. GSM, GPRS, UMTS).			"GSM"	

5.3 Bearer details

In the network hierarchy, the immediate parent of the Bearer object is PCU.

Attribute Name	Description	Read - Only ?	Time-Track ed?	Mapping	Aggrega tor
----------------	-------------	---------------	----------------	---------	-------------

Primary Identifier					
Bearer_Id	A unique identifier for the Bearer.	Y		CREATEFRL.BSC&"-"&PCUID&"-"&FRL or CREATENSVC.BSC & "/" & NSVC	
Relationship Attributes					
Network_Id	Network associated with the Bearer.	Y	Y	CREATEFRL.No mapping	
PCU_Id	A unique identifier for the PCU.	Y	Y	CREATEFRL.BSC&"-"&PCUID or CREATENSVC.BSC & "-" & PCU	
Region_Id	Region associated with the Bearer.	Y	Y	CREATEFRL.No mapping	
SGSN_Id	A unique identifier for the SGSN.	Y	Y	CREATEFRL.No mapping	
Configuration Attributes					
Bearer_Name	A user friendly name preferably unique for the Bearer.			CREATEFRL.BSC&"-"&PCUID&"-"&FRL or CREATENSVC.BSC & "/" & NSVC	
CIR	Designed Committed Information Rate.			CREATEFRL.CIR	
Node_Id	A unique identifier for the Node.			CREATEFRL.BSC or CREATENSVC.BSC	
Node_Name	A user friendly name preferably unique for the Node.			CREATEFRL.No mapping	
Node_Type	Type of Node.			"BSC"	
Technology	Technology of the network/element (e.g. GSM, GPRS, UMTS).			"GSM"	

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5.4 BS details

In the network hierarchy, the immediate parent of the BS object is BSC.

This object is used for Data Availability tracking

Attribute Name	Description	Read - Only ?	Time-Track ed?	Mapping	Aggrega tor
Primary Identifier					
BS_Id	A unique identifier for the BS.	Y		SCANBTSM.BSC_ID&"-"&BT SM_ID or SCANFBTSM.BSC_ID&"-"&BTSM_ID	
Relationship Attributes					
BSC_Id	The BSC that controls this BS.	Y	Y	SCANBTSM.BSC_ID or SCANFBTSM.BSC_ID	
MSC_Id	A unique identifier for the MSC.	Y	Y	No mapping	
Network_Id	Network associated with the BS.	Y	Y	"PLMN"	
Region_Id	Region associated with the BS.	Y	Y	lookup("nc_bsc","region_id",utime(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANBTSM.BSS_ID) or lookup("nc_bsc","region_id",utime(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANFBTSM.BSS_ID)	
SGSN_Id	A unique identifier for the SGSN.	Y	Y	No mapping	
Configuration Attributes					
BS_Name	A user friendly name preferably unique for the BS (site).			SCANBTSM.BSC_ID&"-"&BT SM_ID or SCANFBTSM.BSC_ID&"-"&BTSM_ID	
BS_Version	Hardware/Software version of the BS.			"BR10.0"	

Technology	Technology of the network/element (e.g. GSM, GPRS, UMTS).			"GSM"	
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5.5 BSC details

In the network hierarchy, the immediate parents of the BSC object are: MSC and SGSN.

This object is used for Data Availability tracking

Attribute Name	Description	Read - Only ?	Time-Track ed?	Mapping	Aggrega tor
Primary Identifier					
BSC_Id	A unique identifier for the BSC.	Y		CREATEBTS.BSC; SCANBSC.BSC_ID or SCANGPRS_AGGREGATE.BS C_ID or SCANBSC_EBSC.BSC_ID or SCANBSC_EBSC_BASIC.BSC _ID or SCANBSC_EBSC_EXTENDED .BSC_ID	
Relationship Attributes					
MSC_Id	The MSC to which this BSC is connected.	Y	Y	No mapping; No mapping	
Network_Id	Network associated with the BSC.	Y	Y	No mapping; SCANBSC.NETWORK_ID or SCANGPRS_AGGREGATE.NET WORK_ID or SCANBSC_EBSC.NETWORK_ ID or SCANBSC_EBSC_BASIC.NET WORK_ID or SCANBSC_EBSC_EXTENDED .NETWORK_ID	

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Region_Id	Region associated with the BSC.	Y	Y	No mapping; SCANBSC.REGION_ID or SCANGPRS_AGGREGATE.REGION_ID or SCANBSC_EBSC.REGION_ID or SCANBSC_EBSC_BASIC.REGION_ID or SCANBSC_EBSC_EXTENDED.REGION_ID	
SGSN_Id	A unique identifier for the SGSN.	Y	Y	No mapping; No mapping	
Configuration Attributes					
BSC_Name	A user friendly name preferably unique for the BSC.			CREATEBTS.BSC; SCANBSC.BSC_ID or SCANGPRS_AGGREGATE.BSC_ID or SCANBSC_EBSC.BSC_ID or SCANBSC_EBSC_BASIC.BSC_ID or SCANBSC_EBSC_EXTENDED.BSC_ID	
BSC_Version	Hardware/Software version of the BSC.			"BR10.0"; "BR10.0"	
Technology	Technology of the network/element (e.g. GSM, GPRS, UMTS).			"GSM"; "GSM"	

5.6 Cell details

In the network hierarchy, the immediate parents of the Cell object are: BS, LAC, PCU, Registration_Area and Routing_Area.

Attribute Name	Description	Read - Only ?	Time-Track ed?	Mapping	Aggrega tor
Primary Identifier					
Cell_Id	A unique identifier for the Cell.	Y		CREATEBTS.CI; SCANBTS.CI or	

				SCANBTS_CONCENTRIC.CI or SCANBTS_STANDARD.CI or SCANBTS_EXTENDED.CI or SCANBTSE.CI or SCANGPRS.CI or SCANBTS_ADD.CI	
Relationship Attributes					
BSC_Id	A unique identifier for the BSC.	Y	Y	CREATEBTS.BSC; SCANBTS.BSC_ID or SCANBTS_CONCENTRIC.BSC_ID or SCANBTS_STANDARD.BSC_ID or SCANBTS_EXTENDED.BSC_ID or SCANBTSE.BSC_ID or SCANGPRS.BSC_ID	
BS_Id	A unique identifier for the BS at which the Cell is located. The BS at which the cell is located.	Y	Y	CREATEBTS.BSC &"-"&BTSM; SCANBTS.BSC_ID&"-"&BTSM_ID or SCANBTS_CONCENTRIC.BSC_ID&"-"&BTSM_ID or SCANBTS_STANDARD.BSC_ID&"-"&BTSM_ID or SCANBTS_EXTENDED.BSC_ID&"-"&BTSM_ID or SCANBTSE.BSC_ID&"-"&BTSM_ID or SCANGPRS.BSC_ID&"-"&BTSM_ID	
GPRS_Cell_Id	A unique identifier for the Cell.	Y	Y	No mapping; No mapping	
LAC_Id	The Location Area Code encompassing the Cell.	Y	Y	CREATEBTS.LAC; No mapping	
MSC_Id	A unique identifier for the MSC.	Y	Y	No mapping; No mapping	

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NSVC_Id	A unique identifier for the NSVC.	Y	Y	No mapping; No mapping	
Network_Id	Network associated with the Cell.	Y	Y	No mapping; "PLMN"	
PCU_Id	A unique identifier for the PCU.	Y	Y	No mapping; No mapping	
Region_Id	Region associated with the Cell.	Y	Y	No mapping; lookup("nc_bsc","region_id",utime(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANBTS.BSC_ID) or lookup("nc_bsc","region_id",utime(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANBTS_CONCENTRIC.BSC_ID) or lookup("nc_bsc","region_id",utime(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANBTS_STANDARD.BSC_ID) or lookup("nc_bsc","region_id",utime(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANBTS_EXTENDED.BSC_ID) or lookup("nc_bsc","region_id",utime(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANBTSE.BSC_ID) or lookup("nc_bsc","region_id",utime(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANGPRS.BSC_ID)	
Registration_Area_Id	A unique identifier for the Registration_Area.	Y	Y	No mapping; No mapping	
Routing_Area	A unique identifier for	Y	Y	No mapping; No mapping	

_Id	the Routing_Area.				
SGSN_Id	A unique identifier for the SGSN.	Y	Y	No mapping; No mapping	
UMTS_Cell_Id	A unique identifier for the Cell.	Y	Y	No mapping; No mapping	
Configuration Attributes					
Cell_Name	A user friendly name preferably unique for the Cell.			CREATEBTS.CI; SCANBTS.CI or SCANBTS_CONCENTRIC.CI or SCANBTS_STANDARD.CI or SCANBTS_EXTENDED.CI or SCANBTSE.CI or SCANGPRS.CI	
BCH_Power	Broadcast channel power.			No mapping; No mapping	
BVC_Id	A unique identifier for the BVC.			No mapping; No mapping	
Cell_Description	Description of Cell.			No mapping; No mapping	
Cell_Type	Is the cell omni_directional, or a sector, or micro/pico/macro/umbrella cell, etc.			CREATEBTS.if CONCELL="TRUE" then "CONCell" else CELLTYP; "No mapping"	
Cell_Version	Hardware/Software version of the Cell.			"BR10.0"; "BR10.0"	
Dedicated_P_DCH	Dedicated Packet Data Channel.			No mapping; No mapping	
Defined_CCH	Number of defined CCH channels for the Cell.			CREATEBTS.CHTYPE_SDCCH ; SCANBTS.NAVSDCCH_2	
Defined_PDC_H	Designated Packet Data Channel.			No mapping; No mapping	

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Defined_TCH	Number of defined TCH channels of the Cell.			CREATEBTS.CHTYPE_TCHF_HLF; SCANBTS.NAVTCH_2 or SCANBTS.CONCENTRIC.NAVTCH_8 or SCANBTS_EXTENDED.NAVTCH_20	
Defined_TRX	Number of defined TRX belonging to the cell.			CREATEBTS.TRX_NUM; No mapping	
Max_Power	The bs_tx_pwr_max configuration attribute.			CREATEBTS.MSTXPMAXGSM; No mapping	
NSVC_CN_Id	A unique identifier for the NSVC CN.			No mapping; No mapping	
Primary_Common_Pilot_Channel_Power	Primary CPICH channel power.			No mapping; No mapping	
Primary_Scrambling_Code	Primary DL scrambling code.			No mapping; No mapping	
Primary_Sync_Ch_Power	Primary synchronisation channel power, DL.			No mapping; No mapping	
Secondary_Sync_Ch_Power	Secondary synchronisation channel power, DL.			No mapping; No mapping	
Segment_Id	A unique identifier for the Segment.			No mapping; No mapping	
Technology	Technology of the network/element (e.g. GSM, GPRS, UMTS).			"GSM"; "GSM"	
UTRAN_Absolute_Radio_Freq_DL	DL UTRAN absolute Radio Frequency Channel number.			No mapping; No mapping	
UTRAN_Absolute_Radio_Freq_UL	UL UTRAN absolute Radio Frequency Channel number.			No mapping; No mapping	

5.7 Common_Control_Channel details

In the network hierarchy, the immediate parent of the Common_Control_Channel object is Cell.

Attribute Name	Description	Read - Only ?	Time-Track ed?	Mapping	Aggrega tor
Primary Identifier					
CCCH_Id	A unique identifier for the CCCH.	Y		CREATECHAN.CI&"/"&TRX& "-"&CHAN; SCANCHAN.CI&"/"&TRX_ID & "-"&CHANNEL_ID	
Relationship Attributes					
BSC_Id	A unique identifier for the BSC.	Y	Y	CREATECHAN.BSC; SCANCHAN.BSC_ID	
BS_Id	A unique identifier for the BS.	Y	Y	CREATECHAN.BSC& "-"&BTS M; SCANCHAN.BSC_ID& "-"&BT SM_ID	
Cell_Id	A unique identifier for the cell to which the CCCH belongs.	Y	Y	CREATECHAN.CI; SCANCHAN.CI	
LAC_Id	A unique identifier for the LAC.	Y	Y	CREATECHAN.LAC; SCANCHAN.No mapping	
MSC_Id	A unique identifier for the MSC.	Y	Y	No mapping; lookup("nc_bsc","msc_id",utime (ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANCHAN.BSC_ID)	
Network_Id	Network associated with the CCCH.	Y	Y	CREATECHAN.No mapping; "PLMN"	
Region_Id	Region associated with the CCCH.	Y	Y	CREATECHAN.No mapping; lookup("nc_bsc","region_id",utime (ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANCHAN.BSS_ID)	

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TRX_Id	A unique identifier for the TRX to which the CCCH belongs.	Y	Y	CREATECHAN.CI&"/"&TRX; SCANCHAN.CI&"/"&TRX_ID	
Configuration Attributes					
CCCH_Name	A user friendly name preferably unique for the CCCH.			CREATECHAN.CI&"/"&TRX& "-&CHAN; SCANCHAN.CI&"-&TRX_ID &"-&CHANNEL_ID	
Channel_Number	Designated Channel number.			CREATECHAN.CHAN; SCANCHAN.CHANNEL_ID	
Channel_Type	Type of Channel.			CREATECHAN.CHTYPE; "CCCH"	
TSL_Id	A unique identifier for the TSL to which the CCCH belongs.			CREATECHAN.CI&"/"&TRX& "-&CHAN; SCANCHAN.CI&"/"&TRX_ID &"-&CHANNEL_ID	

5.8 DPC details

In the network hierarchy, the immediate parent of the DPC object is Region.

Attribute Name	Description	Read - Only ?	Time-Track ed?	Mapping	Aggrega tor
Primary Identifier					
DPC_Id	A unique identifier for the DPC	Y		SCANDPC.BSC_ID & "-& DPC_ID	
Relationship Attributes					
Region_Id	The region of the DPC / Node	Y	Y	lookup("nc_bsc","region_id",utime(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANDPC.BSC_ID)	
Network_Id	Network associated with the DPC / Node	Y	Y	"PLMN"	
Configuration Attributes					
DPC_Name	Meaningful name for the			SCANDPC.BSC_ID & "-&	

	DPC			DPC_ID	
Node_Id	The identifier of the Node associated with the DPC	Y		SCANDPC.BSC_ID	
Node_Type	The type of the Node associated with the DPC (e.g. MSC, BSC).	Y		"BSC"	
Node_Name	The name of the Node associated with the DPC			SCANDPC.BSC_ID	
Technology	Technology of the network/element (e.g. GSM, GPRS, UMTS).	Y		"GSM"	

5.9 LAC details

In the network hierarchy, the immediate parent of the LAC object is MSC.

Attribute Name	Description	Read - Only ?	Time-Track ed?	Mapping	Aggrega tor
Primary Identifier					
LAC_Id	A unique identifier for the LAC.	Y		CREATEBTS.LAC	
Relationship Attributes					
MSC_Id	The MSC which controls this Location Area Code.	Y	Y	CREATEBTS.No mapping	
Network_Id	Network associated with the LAC.	Y	Y	CREATEBTS.No mapping	
Region_Id	Region associated with the LAC.	Y	Y	CREATEBTS.No mapping	
Configuration Attributes					
LAC_Name	A user friendly name preferably unique for the			CREATEBTS.LAC	

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	LAC.				
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5.10 Neighbour details

In the network hierarchy, the immediate parent of the Neighbour object is Cell.

Attribute Name	Description	Read - Only ?	Time-Track ed?	Mapping	Aggrega tor
Primary Identifier					
Neighbour_Id	A unique identifier for the Neighbour.	Y		SCANBTSIHO.CI &"/"& ADJ_CI or SCANBTSOHOI.CI &"/"& ADJ_CI or SCANBTSOHON.CI &"/"& ADJ_CI or SCANBTSOHOS.CI &"/"& ADJ_BSC_ID & "-" & ADJ_FDD_NO	
Relationship Attributes					
Source_Cell_Id	A unique identifier for the Cell_Id of the Cell that is handling calls.	Y	Y	SCANBTSIHO.CI or SCANBTSOHOI.CI or SCANBTSOHON.CI or SCANBTSOHOS.CI	
Configuration Attributes					
Neighbour_Name	A user friendly name preferably unique for the Neighbour.			SCANBTSIHO.CI &"/"& ADJ_CI or SCANBTSOHOI.CI &"/"& ADJ_CI or SCANBTSOHON.CI &"/"& ADJ_CI or SCANBTSOHOS.CI &"/"& ADJ_BSC_ID & "-" & ADJ_FDD_NO	
Source_Cell_Technology	Technology of the network/element (e.g. GSM, GPRS, UMTS).			"GSM"	
Source_Cell_Type	Type of Source Cell.			No mapping	
Source_Cell_Vendor	Manufacturer of the Source Cell.			"Siemens"	
Source_Cell_	Hardware/Software			"BR10.0"	

Version	version of the Source Cell.				
Target_Cell_Id	A unique identifier for the Cell_Id of the Cell that is receiving handed-over calls.			SCANBTSIHO.ADJ_CI or SCANBTSOHOL.ADJ_CI or SCANBTSOHON.ADJ_CI or SCANBTSOHOS.No mapping	
Target_Cell_Position	Position of Target Cell.			No mapping	
Target_Cell_Technology	Technology of the network/element (e.g. GSM, GPRS, UMTS).			"GSM"	
Target_Cell_Type	Type of Target Cell.			No mapping	
Target_Cell_Vendor	Manufacturer of the Target Cell.			SCANBTSIHO."Siemens" or SCANBTSOHOL."Siemens" or SCANBTSOHON.No mapping or SCANBTSOHOS.No mapping	
Target_Cell_Version	Hardware/Software version of the Target Cell.			lookup("nc_cell","cell_version", utime(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANBTSIHO.ADJ_CI) or lookup("nc_cell","cell_version", utime(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANBTSOHOL.ADJ_CI) or SCANBTSOHON.No mapping or SCANBTSOHOS.No mapping	

5.11 Network details

Attribute Name	Description	Read - Only	Time-Track ed?	Mapping	Aggregator
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		?			
Primary Identifier					
Network_Id	A unique identifier for the Network.	Y		SCANBSC.NETWORK_ID	
Configuration Attributes					
Network_Name	A user friendly name preferably unique for the Network.			SCANBSC.NETWORK_ID	
Default_Link_Speed	The default speed of SS7 Signalling Links in this network.			64000	
Network_Type	Type of Network (e.g. GSM-900, GSM-1800 or GSM-1900).			"GSM"	

5.12 NSVC details

In the network hierarchy, the immediate parents of the NSVC object are: Bearer, PCU and SGSN.

Attribute Name	Description	Read - Only ?	Time-Track ed?	Mapping	Aggrega tor
Primary Identifier					
NSVC_Id	A unique identifier for the NSVC.	Y		CREATENSVC.BSC & "/" & NSVCI; SCANNNSVC.BSC_ID & "/" & NSVC_ID	
Relationship Attributes					
Bearer_Id	A unique identifier for the Bearer.	Y	Y	CREATENSVC.BSC & "/" & NSVC; No mapping	
DLCI_Id	A unique identifier for the DLCI.	Y	Y	CREATENSVC.BSC&"-"&NS VLI; No mapping	
Network_Id	Network associated with the NSVC.	Y	Y	No mapping; "PLMN"	
PCU_Id	A unique identifier for the PCU.	Y	Y	CREATENSVC.BSC & "-" & PCU; No mapping	

Region_Id	Region associated with the NSVC.	Y	Y	CREATENSVC.No mapping; lookup("nc_bsc","region_id",utime(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANNSVC.BSC_ID)	
SGSN_Id	A unique identifier for the SGSN.	Y	Y	No mapping; No Mapping	
Configuration Attributes					
NSVC_Name	A user friendly name preferably unique for the NSVC.			CREATENSVC.BSC&"-"&NSVCI; SCANNSVC.BSC_ID & "-" & NSVC_ID	
Bearer_CN_Id	A unique identifier for the Bearer CN.			No mapping; No mapping	
CIR	Committed Information Rate of the NSVC.			No mapping; No mapping	
DLCI_CN_Id	A unique identifier for the DLCI CN.			No mapping; No mapping	
NSE_Id	A unique identifier for the NSE.			No mapping; No mapping	
NSE_Name	A user friendly name preferably unique for the NSE.			No mapping; No mapping	
Technology	Technology of the network/element (e.g. GSM, GPRS, UMTS).			"GSM"; "GSM"	

5.13 PCU details

In the network hierarchy, the immediate parent of the PCU object is SGSN.

Attribute Name	Description	Read - Only ?	Time-Track ed?	Mapping	Aggregator
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Primary Identifier					
PCU_Id	A unique identifier for the PCU.	Y		CREATENSVC.BSC & "-" & PCU	
Relationship Attributes					
NSVC_Id	A unique identifier for the NSVC.	Y	Y	CREATENSVC.BSC&"/"&NS VCI	
Network_Id	Network associated with the PCU.	Y	Y	CREATENSVC.No mapping	
Region_Id	Region associated with the PCU.	Y	Y	CREATENSVC.No mapping	
SGSN_Id	A unique identifier for the SGSN.	Y	Y	CREATENSVC.No mapping	
Configuration Attributes					
PCU_Name	A user friendly name preferably unique for the PCU.			CREATENSVC.BSC & "-" & PCU	
PCU_Version	Hardware/Software version of the PCU.			"BR10.0"	
Technology	Technology of the network/element (e.g. GSM, GPRS, UMTS).			"GSM"	

5.14 Region details

In the network hierarchy, the immediate parent of the Region object is Network.

Attribute Name	Description	Read - Only ?	Time-Track ed?	Mapping	Aggrega tor
Primary Identifier					
Region_Id	Region associated with the network object.	Y		SCANBSC.REGION_ID	
Relationship Attributes					
Network_Id	Network associated with the Region.	Y	Y	SCANBSC.NETWORK_ID	

Configuration Attributes					
Region_Name	A user friendly name preferably unique for the Region.			SCANBSC.REGION_ID	

5.15 Routing_Area details

In the network hierarchy, the immediate parents of the Routing_Area object are: LAC and SGSN.

Attribute Name	Description	Read - Only ?	Time-Track ed?	Mapping	Aggregator
Primary Identifier					
Routing_Area_Id	A unique identifier for the Routing_Area.	Y		CREATEPTPPKF.LAC & "/" & RACODE	
Relationship Attributes					
LAC_Id	A unique identifier for the LAC.	Y	Y	CREATEPTPPKF.LAC	
Network_Id	Network associated with the Routing_Area.	Y	Y	CREATEPTPPKF.No mapping	
Region_Id	Region associated with the Routing_Area.	Y	Y	CREATEPTPPKF.No mapping	
SGSN_Id	A unique identifier for the SGSN.	Y	Y	CREATEPTPPKF.No mapping	
Configuration Attributes					
Routing_Area_Name	A user friendly name preferably unique for the Routing_Area.			CREATEPTPPKF.LAC & "/" & RACODE	
SGSN_Unit_Id	A unique identifier for the SGSN Unit.				

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5.16 Signalling_Link details

In the network hierarchy, the immediate parent of the Signalling_Link object is Signalling_LinkSet.

Attribute Name	Description	Read - Only ?	Time-Track ed?	Mapping	Aggrega tor
Primary Identifier					
SS7_Link_Id	A unique identifier for the SS7 Link.	Y		SCANSS7L.BSS_ID&"-"&LIN KSET or SCANDPC.BSS_ID&"-"&DPC _ID or SCANBSC.BSS_ID	
Relationship Attributes					
Network_Id	Network associated with the SS7 Link.	Y	Y	"PLMN"	
Region_Id	Region associated with the SS7 Link.	Y	Y	lookup("nc_bsc", "region_id", utime(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60),SCANSS7L.BSC_ID)	
SS7_LinkSet_Id	The Node (MSC or HLR) that this SS7 Link is connected to (at this end).	Y	Y	SCANSS7L.BSS_ID or SCANDPC.BSS_ID or SCANBSC.BSS_ID	
SS7_Point_Id	A unique identifier for the SS7 Point.	Y	Y	SCANSS7L.BSS_ID or SCANDPC.BSS_ID or SCANBSC.BSS_ID	
Configuration Attributes					
SS7_Link_Name	A user friendly name preferably unique for the SS7 Link.			SCANSS7L.BSS_ID&"-"&LIN KSET or SCANDPC.BSS_ID&"-"&DPC _ID or SCANBSC.BSS_ID	
Adjacent_No de_Id	The Adjacent Node that this SS7 Link is connected from (at the other end).			No mapping	
Data_Rate	The SS7 Link speed in bits per second (bit/s).			No mapping	
Node_Id	The Node (MSC or		Y	SCANSS7L.BSS_ID or	

	HLR) that this SS7 Link is connected to (at this end).			SCANDPC.BSS_ID or SCANBSC.BSS_ID	
Node_Name	The name for the network element that the SS7 Link is connected to (at this end).			lookup("nc_bsc","bsc_name",utime(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60),SCANS7L.BSS_ID)	
Node_Type	The type of the network element that the SS7 Link is connected to at this end.			"BSC"	
Technology	Technology of the network/element (e.g. GSM, GPRS, UMTS).			"GSM"	

5.17 TRAU details

In the network hierarchy, the immediate parent of the TRAU object is BSC.

Attribute Name	Description	Read - Only ?	Time-Track ed?	Mapping	Aggregator
Primary Identifier					
TRAU_Id	A unique identifier for the TRAU.	Y		SCANTRAU.BSC_ID & "-" & TRAU_ID or SCANTRAU_HIGH_INTEGRATED.BSC_ID & "-" & TRAU_ID	
Relationship Attributes					
BSC_Id	The BSC that is associated with this TRAU.	Y	Y	SCANTRAU.BSC_ID or SCANTRAU_HIGH_INTEGRATED.BSC_ID	
MSC_Id	A unique identifier for the MSC.	Y	Y	No Mapping	

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Network_Id	Network associated with the TRAU.	Y	Y	"PLMN"	
Region_Id	Region associated with the TRAU.	Y	Y	lookup("nc_bsc","region_id",utime(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANTRAU.BSS_ID) or lookup("nc_bsc","region_id",utime(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANTRAU_HIGH_INTEGRATED.BSS_ID)	
Configuration Attributes					
TRAU_Name	A user friendly name preferably unique for the TRAU.			SCANTRAU.BSC_ID & "-" & TRAU_ID or SCANTRAU_HIGH_INTEGRATED.BSC_ID & "-" & TRAU_ID	
Version	Hardware/Software version of the TRAU.			"BR10.0"	
Technology	Technology of the network/element (e.g. GSM, GPRS, UMTS).			"GSM"	

5.18 TRX details

In the network hierarchy, the immediate parent of the TRX object is Cell.

Attribute Name	Description	Read - Only ?	Time-Track ed?	Mapping	Aggregator
Primary Identifier					
TRX_Id	A unique identifier for the TRX.	Y		CREATETRX.CI&"/"&TRX; SCANTRX.CI&"/"&TRX_ID or SCANCTRX_CFERRXQU.CI&"/"&TRX_ID or SCANCTRX_CRXLVQU.D.CI&"/"&TRX_ID or SCANCTRX_CRXLVQUU.CI&	

				"/"&TRX_ID or SCANTRX_CRXLVTAD.CI& "/"&TRX_ID or SCANTRX_CRXLVTAU.CI& "/"&TRX_ID	
Relationship Attributes					
BSC_Id	A unique identifier for the BSC.	Y	Y	CREATETR.X.BSC; SCANTRX.BSC_ID or SCANTRX_CFERRXQU.BSC_ID or SCANTRX_CRXLVQU.D.BSC_ID or SCANTRX_CRXLVQUU.BSC_ID or SCANTRX_CRXLVTAD.BSC_ID or SCANTRX_CRXLVTAU.BSC_ID	
BS_Id	A unique identifier for the BS.	Y	Y	CREATETR.X.BSC&"-"&BTSM; SCANTRX.BSC_ID&"-"&BTSM_ID or SCANTRX_CFERRXQU.BSC_ID&"-"&BTSM_ID or SCANTRX_CRXLVQU.D.BSC_ID&"-"&BTSM_ID or SCANTRX_CRXLVQUU.BSC_ID&"-"&BTSM_ID or SCANTRX_CRXLVTAD.BSC_ID&"-"&BTSM_ID or SCANTRX_CRXLVTAU.BSC_ID&"-"&BTSM_ID	
Cell_Id	The cell to which the TRX belongs.	Y	Y	CREATETR.X.CI; SCANTRX.CI or SCANTRX_CFERRXQU.CI or SCANTRX_CRXLVQU.D.CI or SCANTRX_CRXLVQUU.CI	

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				or SCANCTRX_CRXLVTAD.CI or SCANCTRX_CRXLVTAU.CI	
LAC_Id	A unique identifier for the LAC.	Y	Y	CREATETRX.LAC; No mapping	
MSC_Id	A unique identifier for the MSC.	Y	Y	No mapping; No mapping	
Network_Id	Network associated with the TRX.	Y	Y	No mapping; "PLMN"	
Region_Id	Region associated with the TRX.	Y	Y	No mapping; lookup("nc_bsc","region_id",time(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANTRX.BSS_ID) or lookup("nc_bsc","region_id",time(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANCTRX_CFERRXQU.BSS_ID) or lookup("nc_bsc","region_id",time(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANCTRX_CRXLVQUUD.BSS_ID) or lookup("nc_bsc","region_id",time(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANCTRX_CRXLVQUU.BSS_ID) or lookup("nc_bsc","region_id",time(ENDDATE & ENDTIME,"%d %b %Y %R") - (GRANULARITY*60), SCANCTRX_CRXLVTAD.BSS_ID) or lookup("nc_bsc","region_id",time(ENDDATE & ENDTIME,"%d %b %Y %R") -	

				(GRANULARITY*60), SCANTRX_CRXLVTAU.BSS _ID)	
Configuration Attributes					
TRX_Name	A user friendly name preferably unique for the TRX.			CREATETR.CI&"/"&TRX; SCANTRX.CI&"/"&TRX_ID or SCANTRX_CFERRXQU.CI& "/"&TRX_ID or SCANTRX_CRXLVQUUD.CI& "/"&TRX_ID or SCANTRX_CRXLVQUU.CI& "/"&TRX_ID or SCANTRX_CRXLVTAD.CI& "/"&TRX_ID or SCANTRX_CRXLVTAU.CI& "/"&TRX_ID	
Frequency	Frequency of the TRX.			No mapping; No mapping	
Frequency_Group	Frequency group of the TRX.			CREATETR.TRXFREQ; No mapping	
Frequency_Hopping_Group	Frequency hopping group of the TRX.			No mapping; No mapping	
TRX_Type	TRX type, for example Normal or Extended.			No mapping; No mapping	
TRX_Version	Hardware/Software version of the TRX.			"BR10.0"; "BR10.0"	
Technology	Technology of the network/element (e.g. GSM, GPRS, UMTS).			"GSM"; "GSM"	

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6 Busy Hours

This section lists the busy hours which are defined for the technology pack module.

Each of the busy hours listed can be referenced within this document by way of a busy hour acronym, which is included in the table below.

Object	Busy Hour	Defining KPI	Acronym
BS	Siemens_BS_Processor_Load_Busy_Hour	BS.Siemens.BTSM_Interface.BTSE_PROCESSOR_LOAD	sebplbh
BS	Siemens_BS_Abis_speech_traffic_Busy_Hour	BS.Siemens.Abis.kbps_1x16_RATE_CS_TRAFFIC	sebastbh
BS	Siemens_BS_Abis_data_traffic_Busy_Hour	BS.Siemens.Abis.ABIS_data_bh	sebadtbh
BSC	Siemens_BSC_Traffic_HR_Busy_Hour	BSC.Siemens.TCH_Traffic.MEAN_BUSY_TCH_HalfRate	sebtchhrbh
BSC	Siemens_BSC_PCU_Load_Busy_Hour	BSC.Siemens.Processor.AVG_LOAD_TOTAL_TIME_ON_PPXU	sebpclbh
BSC	Siemens_BSC_Traffic_FR_Busy_Hour	BSC.Siemens.TCH_Traffic.MEAN_BUSY_TCH_FullRate	sebtchfrbh
BSC	Siemens_BSC_Traffic_Total_Busy_Hour	BSC.Siemens.TCH_Traffic.MEAN_BUSY_TCH	sebtchbh
BSC	Siemens_BSC_PDCH_Busy_Hour	BSC.Siemens.PDCH.MAX_NUMBER_ACTIVATED_PDCH	sebpdchbh
Cell	Siemens_Cell_SDCCH_Busy_Hour	Cell.Siemens.SDCCH.MEAN_BUSY_SDCCH	seccchbh

Cell	Siemens_Cell_TCH_HR_Busy_Hour	Cell.Siemens.Cell_TCH_BH.CELL_MEAN_BUSY_TCH_HR	sectchhrbh
Cell	Siemens_Cell_TCH_FR_Busy_Hour	Cell.Siemens.Cell_TCH_BH.CELL_MEAN_BUSY_TCH_FR	sectchfrbh
Cell	Siemens_Cell_RLC_Busy_Hour	Cell.Siemens.RLC.Max_RLC_DATA_Throughput	secrlcbh
Cell	Siemens_Cell_TCH_H_Total_Busy_Hour	Cell.Siemens.Cell_TCH_BH.CELL_HR_AND_FR_BUSY_TCH	sectchbh
Cell	Siemens_Cell_RLC_total_Busy_Hour	Cell.Siemens.RLC.RLC_total_data_throughput_busy_hour	secrlctbh
TRAU	Siemens_TRAU_Total_time_TRAU_MCP_Busy_Hour	TRAU.Siemens.TRAU_MCP_processor_load.Total_time_TRAU_MCP	sebtmcbbh

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7 Performance Indicators

This section describes the performance indicators (both one-to-one counter mappings, and complex KPIs) that are defined in this technology pack module, grouped by the network object to which they relate, as follows:

- [ATM_VCC performance indicators.](#)
- [ATM_VPC performance indicators.](#)
- [BS performance indicators.](#)
- [BSC performance indicators.](#)
- [Cell performance indicators.](#)
- [Common_Control_Channel performance indicators.](#)
- [DPC performance indicators.](#)
- [Neighbour performance indicators.](#)
- [NSVC performance indicators.](#)
- [Signalling_Link performance indicators.](#)
- [TRAU performance indicators.](#)
- [TRX performance indicators.](#)

7.1 ATM_VCC Performance Indicators

This section shows the key performance indicators and other counters for the ATM_VCC object, divided into the following sub-sections:

- [ATM_VCC.Siemens.GSM.ATM_virtual_circuit](#)

7.1.1 ATM_VCC.Siemens.GSM.ATM_virtual_circuit

ATM Virtual Circuit Cells Measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Incoming_Cells	ACCUMULATION	INT8	Number of Incoming Cells	SCANATMVC.ATMVCI NCCEL_1	Sum	Sum
Incoming_O	ACCUMULATION	INT8	Number of	SCANATMVC.ATMVCI	Sum	Sum

am_Cells	TION		Incoming OAM Cells	NCOAM_1		
Outgoing_Cells	ACCUMULATION	INT8	Number of Outgoing Cells	SCANATMVC.ATMVCO UTCEL_1	Sum	Sum
Outgoing_Oam_Cells	ACCUMULATION	INT8	Number of Outgoing OAM Cells	SCANATMVC.ATMVCO UTOAM_1	Sum	Sum

7.2 ATM_VPC Performance Indicators

This section shows the key performance indicators and other counters for the ATM_VPC object, divided into the following sub-sections:

- [ATM_VPC.Siemens.GSM.ATM_virtual_path](#)

7.2.1 ATM_VPC.Siemens.GSM.ATM_virtual_path

ATM Virtual Path Cells Measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Incoming_Cells	ACCUMULATION	INT8	Number of Incoming Cells	SCANATMVP.ATMVPINCEL_1	Sum	Sum
Incoming_Oam_Cells	ACCUMULATION	INT8	Number of Incoming OAM Cells	SCANATMVP.ATMVPINCOAM_1	Sum	Sum
Outgoing_Cells	ACCUMULATION	INT8	Number of Outgoing Cells	SCANATMVP.ATMVPOUTCEL_1	Sum	Sum
Outgoing_Oam_Cells	ACCUMULATION	INT8	Number of Outgoing OAM Cells	SCANATMVP.ATMVPOUTOAM_1	Sum	Sum
Usage_Ratio_Of_The_V	INTENSITY	FLOAT	Usage Ratio of the VP	SCANATMVP.ATMVPCONGES_1	Average	Average, Maximum

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p						m, Minimum, Sum
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7.3 BS Performance Indicators

This section shows the key performance indicators and other counters for the BS object, divided into the following sub-sections:

- [BS.Siemens.GSM.Abis](#)
- [BS.Siemens.GSM.BTSM_Interface](#)
- [BS.Siemens.GSM.CESop_Ethernent_Packet](#)
- [BS.Siemens.GSM.CESoP_traffic_per_CESPW](#)
- [BS.Siemens.GSM.CESoPSN_service](#)
- [BS.Siemens.GSM.Downlink_LAPD_LinkUsage](#)
- [BS.Siemens.GSM.Jitter_buffer](#)
- [BS.Siemens.GSM.LAPD_RoundTripTime](#)
- [BS.Siemens.GSM.Round_Trip_Delay](#)
- [BS.Siemens.GSM.Uplink_LAPD_LinkUsage](#)

7.3.1 BS.Siemens.GSM.Abis

Abis pool interface measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
ABIS_data_b h	INTENSITY	FLOAT	Total Abis subchannel (1x16Kbps) usage rate for PS traffic + concatenated Abis subchannel usage rates. Used for busy hour calculations	SCANFBTSM.ABISPDIS_2 + ABISPDIS_3 + ABISPDIS_4 + ABISPDIS_5 + ABISPDIS_6	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, sebpbhb, Sum
ABIS_SUBCHANNEL_MODIFY	ACCUMULATION	INT8	Number of Abis subchannel modifications	SCANFBTSM.ABISPSUP_8	Sum	sebadtbh, sebastbh, sebpbhb,

						Sum
kbps_1x16_RATE_CS_TRAFFIC	INTENSITY	FLOAT	Single Abis subchannel (1x16Kbps) usage rate for CS traffic	SCANFBTSM.ABISPDIS_1	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, sebpbbh, Sum
kbps_1x16_RATE_PS_TRAFFIC	INTENSITY	FLOAT	Single Abis subchannel (1x16Kbps) usage rate for PS traffic	SCANFBTSM.ABISPDIS_2	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, sebpbbh, Sum
kbps_2x16_RATE	INTENSITY	FLOAT	Concatenated Abis subchannels (2x16Kbps) usage rate	SCANFBTSM.ABISPDIS_3	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, sebpbbh, Sum
kbps_3x16_RATE	INTENSITY	FLOAT	Concatenated Abis subchannels (3x16Kbps) usage rate	SCANFBTSM.ABISPDIS_4	Average	Average, Maximum, Minimum,

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						sebabdtb h, sebabstb h, sebplbh, Sum
kbps_4x16_R ATE	INTENSITY	FLOA T	Concatenated Abis subchannels (4x16Kbps) usage rate	SCANFBTSM.ABISP DIS_5	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum
kbps_5x16_R ATE	INTENSITY	FLOA T	Concatenated Abis subchannels (5x16Kbps) usage rate	SCANFBTSM.ABISP DIS_6	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum
MAX_ALLO C_ABIS_SU BCHAN	INTENSITY	INTEG ER	Max number of allocated Abis subchannels	SCANFBTSM.ABISP SUP_4	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum
MEAN_ALL OC_ABIS_S UBCHAN	INTENSITY	FLOA T	Mean number of allocated Abis subchannels	SCANFBTSM.ABISP SUP_3	Average	Average, Maximu m, Minimu

						m, sebabdtb h, sebabstb h, sebplbh, Sum
MEAN_AVA IL_ABIS_SU BCHAN	INTENSITY	FLOA T	Mean number of available Abis subchannels	SCANFBTSM.ABISP SUP_2	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum
MEAN_DEFI NED_ABIS_ SUBCHAN	INTENSITY	FLOA T	Mean number of defined Abis subchannels	SCANFBTSM.ABISP SUP_1	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum
SUCC_ABIS _SEIZURES	ACCUMULA TION	INT8	Number of successful Abis subchannel seizures	SCANFBTSM.ABISP SUP_6	Sum	sebabdtb h, sebabstb h, sebplbh, Sum
TIME_ALL_ ABIS_ALLO C	INTENSITY	INTEG ER	All available Abis subchannels allocated time	SCANFBTSM.ABISP SUP_5	Average	Average, Maximu m, Minimu

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						m, sebabdtb h, sebabstb h, sebplbh, Sum
UNSUCC_A BIS_SEIZUR ES	ACCUMULA TION	INT8	Number of unsuccessful Abis subchannel seizure attempts	SCANFBTSM.ABISP SUP_7	Sum	sebabdtb h, sebabstb h, sebplbh, Sum

7.3.2 BS.Siemens.GSM.BTSM_Interface

Base Transceiver Station Site Manager Interface Measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
BTSE_PROCES SOR_LOAD	INTENSITY	FLOA T	Prime Time on MPCC. Provides the load of the CCTRL located on the core controller board of the BTSE.	SCANBTSM.BTSEPR LD_1	Average	Average, Maximum, Minimum, sebplbh, Sum
I_FRAMES_BA DLY_RECEIV ED_ON_BSC	ACCUMULA TION	INT8	Obsolete in BR9.0; Number of badly received I-Frames (on BSC side)	SCANBTSM.IFRMA BIS_6	Sum	sebplbh, Sum
I_FRAMES_BA DLY_RECEIV ED_ON_BTSE	ACCUMULA TION	INT8	Number of badly received I-Frames (on BTSE side)	SCANBTSM.IFRMA BIS_4	Sum	sebplbh, Sum

I_FRAMES_DISCARDED_ON_BTSE	ACCUMULATION	INT8	Number of discarded I-frames from the transit queue on BTSE side	SCANBTSM.IFRMA BIS_2	Sum	sebplbh, Sum
I_FRAMES_RECEIVED_ON_BSC	ACCUMULATION	INT8	Obsolete in BR9.0; Number of received I-Frames (on BSC side)	SCANBTSM.IFRMA BIS_5	Sum	sebplbh, Sum
I_FRAMES_RECEIVED_ON_BTSE	ACCUMULATION	INT8	Number of received I-Frames (on BTSE side)	SCANBTSM.IFRMA BIS_3	Sum	sebplbh, Sum
I_FRAMES_TRANSMITTED_FROM_BSC	ACCUMULATION	INT8	Obsolete in BR9.0; Number of transmitted I-Frames (from BSC side)	SCANBTSM.IFRMA BIS_4	Sum	sebplbh, Sum
I_FRAMES_TRANSMITTED_FROM_BTSE	ACCUMULATION	INT8	Number of transmitted I-Frames (from BTSE side)	SCANBTSM.IFRMA BIS_1	Sum	sebplbh, Sum

7.3.3 BS.Siemens.GSM.CESop_Ethernet_Packet

Measurements for Ethernet packets related to CESoP traffic.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Discarded_received_ethernet_packets	ACCUMULATION	INTEGER	Number of received ethernet packets (for	SCANBTSM.NPKCESE THBTS_4	Sum	sebabdtbh, sebastbh,

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			CESoP) that were discarded			sebplbh, Sum
Received_ethernet_packets	ACCUMULATION	INTEGER	Number of ethernet packets (for CESoP) received (bad packets included)	SCANBTSM.NPKCESE THBTS_2	Sum	sebabdtbh, sebastbh, sebplbh, Sum
Received_MB_ethernet_packets	ACCUMULATION	INTEGER	Number of multicast and broadcast ethernet packets (for CESoP) received	SCANBTSM.NPKCESE THBTS_3	Sum	sebabdtbh, sebastbh, sebplbh, Sum
Transmitted_ethernet_packets	ACCUMULATION	INTEGER	Number of ethernet packets (for CESoP) transmitted	SCANBTSM.NPKCESE THBTS_1	Sum	sebabdtbh, sebastbh, sebplbh, Sum

7.3.4 BS.Siemens.GSM.CESoP_traffic_per_CESPW

Measurements for bi-directional UDP stream required to transport CESoP traffic per CES PW.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Discarded_received_packets	ACCUMULATION	INTEGER	Number of received packets, that were discarded	SCANBTSM.NPKCTN LBTS_2	Sum	sebabdtbh, sebastbh, sebplbh, Sum
Received_packets_in_jitter_CESPW0	ACCUMULATION	INTEGER	Number of packets received in jitter buffer	SCANBTSM.NPKCPW BTS_2	Sum	sebabdtbh, sebastbh,

			acc. to CESPW 0			sebplbh, Sum
Received_packets_in_jitter_CESPW1	ACCUMULATION	INTEGER	Number of packets received in jitter buffer acc. to CESPW 1	SCANBTSM.NPKCPW BTS_5	Sum	sebabdtbh, sebabstbh, sebplbh, Sum
Received_packets_in_jitter_CESPW2	ACCUMULATION	INTEGER	Number of packets received in jitter buffer acc. to CESPW 2	SCANBTSM.NPKCPW BTS_8	Sum	sebabdtbh, sebabstbh, sebplbh, Sum
Received_packets_in_jitter_CESPW3	ACCUMULATION	INTEGER	Number of packets received in jitter buffer acc. to CESPW 3	SCANBTSM.NPKCPW BTS_11	Sum	sebabdtbh, sebabstbh, sebplbh, Sum
Received_packets_in_jitter_CESPW4	ACCUMULATION	INTEGER	Number of packets received in jitter buffer acc. to CESPW 4	SCANBTSM.NPKCPW BTS_14	Sum	sebabdtbh, sebabstbh, sebplbh, Sum
Received_packets_in_jitter_CESPW5	ACCUMULATION	INTEGER	Number of packets received in jitter buffer acc. to CESPW 5	SCANBTSM.NPKCPW BTS_17	Sum	sebabdtbh, sebabstbh, sebplbh, Sum
Received_packets_in_jitter_CESPW6	ACCUMULATION	INTEGER	Number of packets received in jitter buffer acc. to CESPW 6	SCANBTSM.NPKCPW BTS_20	Sum	sebabdtbh, sebabstbh, sebplbh, Sum

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Received_packets_in_jitter_CESPW7	ACCUMULATION	INTEGER	Number of packets received in jitter buffer acc. to CESPW 7	SCANBTSM.NPKCPW BTS_23	Sum	sebabdtbh, sebabstbh, sebplbh, Sum
Received_packets_match_to_UDP_protocol	ACCUMULATION	INTEGER	Number of received packets that match to the UDP protocol	SCANBTSM.NPKCTN LBTS_1	Sum	sebabdtbh, sebabstbh, sebplbh, Sum
Received_packets_out_of_jitter_CESPW0	ACCUMULATION	INTEGER	Number of packets received out of jitter buffer acc. to CESPW 0	SCANBTSM.NPKCPW BTS_3	Sum	sebabdtbh, sebabstbh, sebplbh, Sum
Received_packets_out_of_jitter_CESPW1	ACCUMULATION	INTEGER	Number of packets received out of jitter buffer acc. to CESPW 1	SCANBTSM.NPKCPW BTS_6	Sum	sebabdtbh, sebabstbh, sebplbh, Sum
Received_packets_out_of_jitter_CESPW2	ACCUMULATION	INTEGER	Number of packets received out of jitter buffer acc. to CESPW 2	SCANBTSM.NPKCPW BTS_9	Sum	sebabdtbh, sebabstbh, sebplbh, Sum
Received_packets_out_of_jitter_CESPW3	ACCUMULATION	INTEGER	Number of packets received out of jitter buffer acc. to CESPW 3	SCANBTSM.NPKCPW BTS_12	Sum	sebabdtbh, sebabstbh, sebplbh, Sum
Received_packets_out_of_jitter_CESPW4	ACCUMULATION	INTEGER	Number of packets received out of jitter buffer acc. to CESPW 4	SCANBTSM.NPKCPW BTS_15	Sum	sebabdtbh, sebabstbh, sebplbh, Sum

Received_packets_out_of_jitter_CESPW 5	ACCUMULATION	INTEGER	Number of packets received out of jitter buffer acc. to CESPW 5	SCANBTSM.NPKCPW BTS_18	Sum	sebabdth, sebastbh, sebpblh, Sum
Received_packets_out_of_jitter_CESPW 6	ACCUMULATION	INTEGER	Number of packets received out of jitter buffer acc. to CESPW 6	SCANBTSM.NPKCPW BTS_21	Sum	sebabdth, sebastbh, sebpblh, Sum
Received_packets_out_of_jitter_CESPW 7	ACCUMULATION	INTEGER	Number of packets received out of jitter buffer acc. to CESPW 7	SCANBTSM.NPKCPW BTS_24	Sum	sebabdth, sebastbh, sebpblh, Sum
Transmitted_packets_on_CESPW0	ACCUMULATION	INTEGER	Number of packets transmitted on CESPW 0	SCANBTSM.NPKCPW BTS_1	Sum	sebabdth, sebastbh, sebpblh, Sum
Transmitted_packets_on_CESPW1	ACCUMULATION	INTEGER	Number of packets transmitted on CESPW 1	SCANBTSM.NPKCPW BTS_4	Sum	sebabdth, sebastbh, sebpblh, Sum
Transmitted_packets_on_CESPW2	ACCUMULATION	INTEGER	Number of packets transmitted on CESPW 2	SCANBTSM.NPKCPW BTS_7	Sum	sebabdth, sebastbh, sebpblh, Sum
Transmitted_packets_on_C	ACCUMULATION	INTEGER	Number of packets	SCANBTSM.NPKCPW BTS_10	Sum	sebabdth,

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ESPW3			transmitted on CESPW 3			sebabstb h, sebplbh, Sum
Transmitted_ packets_on_C ESPW4	ACCUMULA TION	INTEG ER	Number of packets transmitted on CESPW 4	SCANBTSM.NPKCPW BTS_13	Sum	sebabdtb h, sebabstb h, sebplbh, Sum
Transmitted_ packets_on_C ESPW5	ACCUMULA TION	INTEG ER	Number of packets transmitted on CESPW 5	SCANBTSM.NPKCPW BTS_16	Sum	sebabdtb h, sebabstb h, sebplbh, Sum
Transmitted_ packets_on_C ESPW6	ACCUMULA TION	INTEG ER	Number of packets transmitted on CESPW 6	SCANBTSM.NPKCPW BTS_19	Sum	sebabdtb h, sebabstb h, sebplbh, Sum
Transmitted_ packets_on_C ESPW7	ACCUMULA TION	INTEG ER	Number of packets transmitted on CESPW 7	SCANBTSM.NPKCPW BTS_22	Sum	sebabdtb h, sebabstb h, sebplbh, Sum

7.3.5 BS.Siemens.GSM.CESoPSN_service

CESoPSN availability Measurements.

KPI	Type	Data Type	Description	Derivation	Default Aggrega tor	Other Aggrega tors
Total_Error _seconds	ACCUMULA TION	INTEG ER	Number of Errored Seconds (An Errored Second is declared	SCANBTSM.AVCPW BTS_1	Sum	sebabdtb h, sebabstb h, sebplbh, Sum

			when, during this second, one or more packets have been lost or arrived out of jitter buffer boundaries)			
Total_Severely_errored_seconds	ACCUMULATION	INTEGER	Number of Severely Errored Seconds (A Severely Errored Second is declared when, during this second, more than 30% of the packets have been lost or arrived out of jitter buffer boundaries)	SCANBTSM.AVCPW BTS_2	Sum	sebabdtbh, sebastbh, sebpplbh, Sum
Total_Unavailable_seconds	ACCUMULATION	INTEGER	Number of Unavailable Seconds (Unavailable Seconds are calculated by counting the number of seconds that the bidirectional UDP stream is in the Unavailable state)	SCANBTSM.AVCPW BTS_3	Sum	sebabdtbh, sebastbh, sebpplbh, Sum

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7.3.6 BS.Siemens.GSM.Downlink_LAPD_LinkUsage

Downlink LAPD load supervision Measurements.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Max_DL_LAPD_LU_on_LAPDLE0	INTENSITY	FLOAT	Max. DL LAPD link usage on LAPDLE 0	SCANBTSM.LAPDLOAD_2	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, seplbh, Sum
Max_DL_LAPD_LU_on_LAPDLE10	INTENSITY	FLOAT	Max. DL LAPD link usage on LAPDLE 10	SCANBTSM.LAPDLOAD_42	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, seplbh, Sum
Max_DL_LAPD_LU_on_LAPDLE1	INTENSITY	FLOAT	Max. DL LAPD link usage on LAPDLE 1	SCANBTSM.LAPDLOAD_6	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, seplbh, Sum
Max_DL_LAPD_LU_on_LAPDLE2	INTENSITY	FLOAT	Max. DL LAPD link usage on LAPDLE 2	SCANBTSM.LAPDLOAD_10	Average	Average, Maximum,

						Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Max_DL_LAP D_LU_on_LAP DLE3	INTENSI TY	FLOA T	Max. DL LAPD link usage on LAPDLE 3	SCANBTSM.LAPDLO AD_14	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Max_DL_LAP D_LU_on_LAP DLE4	INTENSI TY	FLOA T	Max. DL LAPD link usage on LAPDLE 4	SCANBTSM.LAPDLO AD_18	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Max_DL_LAP D_LU_on_LAP DLE5	INTENSI TY	FLOA T	Max. DL LAPD link usage on LAPDLE 5	SCANBTSM.LAPDLO AD_22	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh,

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						Sum
Max_DL_LAP D_LU_on_LAP DLE6	INTENSI TY	FLOA T	Max. DL LAPD link usage on LAPDLE 6	SCANBTSM.LAPDLO AD_26	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Max_DL_LAP D_LU_on_LAP DLE7	INTENSI TY	FLOA T	Max. DL LAPD link usage on LAPDLE 7	SCANBTSM.LAPDLO AD_30	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Max_DL_LAP D_LU_on_LAP DLE8	INTENSI TY	FLOA T	Max. DL LAPD link usage on LAPDLE 8	SCANBTSM.LAPDLO AD_34	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Max_DL_LAP D_LU_on_LAP DLE9	INTENSI TY	FLOA T	Max. DL LAPD link usage on LAPDLE 9	SCANBTSM.LAPDLO AD_38	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h,

						sebplbh, Sum
Mean_DL_LAP D_LU_on_LAP DLE0	INTENSI TY	FLOA T	Mean DL LAPD link usage on LAPDLE 0	SCANBTSM.LAPDLO AD_1	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_DL_LAP D_LU_on_LAP DLE10	INTENSI TY	FLOA T	Mean DL LAPD link usage on LAPDLE 10	SCANBTSM.LAPDLO AD_41	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_DL_LAP D_LU_on_LAP DLE1	INTENSI TY	FLOA T	Mean DL LAPD link usage on LAPDLE 1	SCANBTSM.LAPDLO AD_5	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_DL_LAP D_LU_on_LAP DLE2	INTENSI TY	FLOA T	Mean DL LAPD link usage on LAPDLE 2	SCANBTSM.LAPDLO AD_9	Average	Average, Maximu m, Minimu

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						m, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_DL_LAP D_LU_on_LAP DLE3	INTENSI TY	FLOA T	Mean DL LAPD link usage on LAPDLE 3	SCANBTSM.LAPDLO AD_13	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_DL_LAP D_LU_on_LAP DLE4	INTENSI TY	FLOA T	Mean DL LAPD link usage on LAPDLE 4	SCANBTSM.LAPDLO AD_17	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_DL_LAP D_LU_on_LAP DLE5	INTENSI TY	FLOA T	Mean DL LAPD link usage on LAPDLE 5	SCANBTSM.LAPDLO AD_21	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_DL_LAP D_LU_on_LAP DLE6	INTENSI TY	FLOA T	Mean DL LAPD link usage on	SCANBTSM.LAPDLO AD_25	Average	Average, Maximu m,

			LAPDLE 6			Minimum, sebadtbh, sebastbh, seplbh, Sum
Mean_DL_LAPD_LU_on_LAPDLE7	INTENSITY	FLOAT	Mean DL LAPD link usage on LAPDLE 7	SCANBTSM.LAPDLOAD_29	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, seplbh, Sum
Mean_DL_LAPD_LU_on_LAPDLE8	INTENSITY	FLOAT	Mean DL LAPD link usage on LAPDLE 8	SCANBTSM.LAPDLOAD_33	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, seplbh, Sum
Mean_DL_LAPD_LU_on_LAPDLE9	INTENSITY	FLOAT	Mean DL LAPD link usage on LAPDLE 9	SCANBTSM.LAPDLOAD_37	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, seplbh,

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n_jitter_queue_CESPW3	TY	ER	jitter queue acc. to CESPW 3	EN_11		Maximum, Minimum, sebadtbh, sebastbh, seplbh, Sum
Max_packets_in_jitter_queue_CESPW4	INTENSITY	INTEGER	Max packets in jitter queue acc. to CESPW 4	SCANBTSM.JITBUFL EN_14	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, seplbh, Sum
Max_packets_in_jitter_queue_CESPW5	INTENSITY	INTEGER	Max packets in jitter queue acc. to CESPW 5	SCANBTSM.JITBUFL EN_17	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, seplbh, Sum
Max_packets_in_jitter_queue_CESPW6	INTENSITY	INTEGER	Max packets in jitter queue acc. to CESPW 6	SCANBTSM.JITBUFL EN_20	Average	Average, Maximum, Minimum, sebadtbh, sebastbh

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						h, sebp1bh, Sum
Max_packets_in_jitter_queue_CESPW7	INTENSITY	INTEGER	Max packets in jitter queue acc. to CESPW 7	SCANBTSM.JITBUFL EN_23	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, sebp1bh, Sum
Mean_packets_in_jitter_queue_CESPW0	INTENSITY	INTEGER	Mean packets in jitter queue acc. to CESPW 0	SCANBTSM.JITBUFL EN_3	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, sebp1bh, Sum
Mean_packets_in_jitter_queue_CESPW1	INTENSITY	INTEGER	Mean packets in jitter queue acc. to CESPW 1	SCANBTSM.JITBUFL EN_6	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, sebp1bh, Sum
Mean_packets_in_jitter_queue_CESPW2	INTENSITY	FLOAT	Mean packets in jitter queue acc. to CESPW 2	SCANBTSM.JITBUFL EN_9	Average	Average, Maximum, Minimum, sebadtbh,

						sebabstb h, sebplbh, Sum
Mean_packets _in_jitter_queue_CESPW3	INTENSITY	INTEGER	Mean packets in jitter queue acc. to CESPW 3	SCANBTSM.JITBUFL EN_12	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_packets _in_jitter_queue_CESPW4	INTENSITY	INTEGER	Mean packets in jitter queue acc. to CESPW 4	SCANBTSM.JITBUFL EN_15	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_packets _in_jitter_queue_CESPW5	INTENSITY	INTEGER	Mean packets in jitter queue acc. to CESPW 5	SCANBTSM.JITBUFL EN_18	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_packets _in_jitter_queue	INTENSITY	INTEGER	Mean packets in jitter queue	SCANBTSM.JITBUFL EN_21	Average	Average, Maximum

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e_CESPW6			acc. to CESPW 6			m, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_packets _in_jitter_queue e_CESPW7	INTENSI TY	INTEG ER	Mean packets in jitter queue acc. to CESPW 7	SCANBTSM.JITBUFL EN_24	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Min_packets_i n_jitter_queue _CESPW0	INTENSI TY	INTEG ER	Min. packets in jitter queue acc. to CESPW 0	SCANBTSM.JITBUFL EN_1	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Min_packets_i n_jitter_queue _CESPW1	INTENSI TY	INTEG ER	Min. packets in jitter queue acc. to CESPW 1	SCANBTSM.JITBUFL EN_4	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Min_packets_i	INTENSI	INTEG	Min. packets in	SCANBTSM.JITBUFL	Average	Average,

n_jitter_queue_CESPW2	TY	ER	jitter queue acc. to CESPW 2	EN_7		Maximum, Minimum, sebadtbh, sebastbh, seplbh, Sum
Min_packets_in_jitter_queue_CESPW3	INTENSITY	INTEGER	Min. packets in jitter queue acc. to CESPW 3	SCANBTSM.JITBUFL EN_10	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, seplbh, Sum
Min_packets_in_jitter_queue_CESPW4	INTENSITY	INTEGER	Min. packets in jitter queue acc. to CESPW 4	SCANBTSM.JITBUFL EN_13	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, seplbh, Sum
Min_packets_in_jitter_queue_CESPW5	INTENSITY	INTEGER	Min. packets in jitter queue acc. to CESPW 5	SCANBTSM.JITBUFL EN_16	Average	Average, Maximum, Minimum, sebadtbh, sebastbh

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						h, sebpbh, Sum
Min_packets_in_jitter_queue_CESPW6	INTENSITY	INTEGER	Min. packets in jitter queue acc. to CESPW 6	SCANBTSM.JITBUFL EN_19	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, sebpbh, Sum
Min_packets_in_jitter_queue_CESPW7	INTENSITY	INTEGER	Min. packets in jitter queue acc. to CESPW 7	SCANBTSM.JITBUFL EN_22	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, sebpbh, Sum

7.3.8 BS.Siemens.GSM.LAPD_RoundTripTime

Abis RTT supervision Measurements.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Max_LAPD_RTT_on_LAPDLE0	INTENSITY	INTEGER	Max LAPD RTT (Round Trip Time) on LAPDLE_0	SCANBTSM.LAPDRT T_2	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, sebpbh, Sum

Max_LAPD_RTT_on_LAPDLE10	INTENSITY	INTEGER	Max LAPD RTT (Round Trip Time) on LAPDLE_10	SCANBTSM.LAPDRTT_22	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, seplbh, Sum
Max_LAPD_RTT_on_LAPDLE1	INTENSITY	INTEGER	Max LAPD RTT (Round Trip Time) on LAPDLE_1	SCANBTSM.LAPDRTT_4	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, seplbh, Sum
Max_LAPD_RTT_on_LAPDLE2	INTENSITY	INTEGER	Max LAPD RTT (Round Trip Time) on LAPDLE_2	SCANBTSM.LAPDRTT_6	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, seplbh, Sum
Max_LAPD_RTT_on_LAPDLE3	INTENSITY	INTEGER	Max LAPD RTT (Round Trip Time) on LAPDLE_3	SCANBTSM.LAPDRTT_8	Average	Average, Maximum, Minimum, sebadtbh,

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						sebabstb h, sebplbh, Sum
Max_LAPD_R TT_on_LAPDL E4	INTENSI TY	INTEG ER	Max LAPD RTT (Round Trip Time) on LAPDLE_4	SCANBTSM.LAPDRT T_10	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum
Max_LAPD_R TT_on_LAPDL E5	INTENSI TY	INTEG ER	Max LAPD RTT (Round Trip Time) on LAPDLE_5	SCANBTSM.LAPDRT T_12	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum
Max_LAPD_R TT_on_LAPDL E6	INTENSI TY	INTEG ER	Max LAPD RTT (Round Trip Time) on LAPDLE_6	SCANBTSM.LAPDRT T_14	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum
Max_LAPD_R TT_on_LAPDL E7	INTENSI TY	INTEG ER	Max LAPD RTT (Round Trip Time) on LAPDLE_7	SCANBTSM.LAPDRT T_16	Average	Average, Maximu m, Minimu m, sebabdtb

						h, sebabstb h, sebplbh, Sum
Max_LAPD_RTT_on_LAPDLE8	INTENSITY	INTEGER	Max LAPD RTT (Round Trip Time) on LAPDLE_8	SCANBTSM.LAPDRTT_18	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Max_LAPD_RTT_on_LAPDLE9	INTENSITY	INTEGER	Max LAPD RTT (Round Trip Time) on LAPDLE_9	SCANBTSM.LAPDRTT_20	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_LAPD_RTT_on_LAPDLE0	INTENSITY	INTEGER	Mean LAPD RTT (Round Trip Time) on LAPDLE_0	SCANBTSM.LAPDRTT_1	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_LAPD_	INTENSITY	INTEGER	Mean LAPD	SCANBTSM.LAPDRTT	Average	Average,

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RTT_on_LAPD LE10	TY	ER	RTT (Round Trip Time) on LAPDLE_10	T_21		Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_LAPD_ RTT_on_LAPD LE1	INTENSI TY	INTEG ER	Mean LAPD RTT (Round Trip Time) on LAPDLE_1	SCANBTSM.LAPDRT T_3	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_LAPD_ RTT_on_LAPD LE2	INTENSI TY	INTEG ER	Mean LAPD RTT (Round Trip Time) on LAPDLE_2	SCANBTSM.LAPDRT T_5	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_LAPD_ RTT_on_LAPD LE3	INTENSI TY	INTEG ER	Mean LAPD RTT (Round Trip Time) on LAPDLE_3	SCANBTSM.LAPDRT T_7	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum

Mean_LAPD_RTT_on_LAPDLE4	INTENSITY	INTEGER	Mean LAPD RTT (Round Trip Time) on LAPDLE_4	SCANBTSM.LAPDRTT_9	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, seplbh, Sum
Mean_LAPD_RTT_on_LAPDLE5	INTENSITY	INTEGER	Mean LAPD RTT (Round Trip Time) on LAPDLE_5	SCANBTSM.LAPDRTT_11	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, seplbh, Sum
Mean_LAPD_RTT_on_LAPDLE6	INTENSITY	INTEGER	Mean LAPD RTT (Round Trip Time) on LAPDLE_6	SCANBTSM.LAPDRTT_13	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, seplbh, Sum
Mean_LAPD_RTT_on_LAPDLE7	INTENSITY	INTEGER	Mean LAPD RTT (Round Trip Time) on LAPDLE_7	SCANBTSM.LAPDRTT_15	Average	Average, Maximum, Minimum, sebadtbh,

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						sebabstb h, sebplbh, Sum
Mean_LAPD_ RTT_on_LAPD_ LE8	INTENSI TY	INTEG ER	Mean LAPD RTT (Round Trip Time) on LAPDLE_8	SCANBTSM.LAPDRT T_17	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_LAPD_ RTT_on_LAPD_ LE9	INTENSI TY	INTEG ER	Mean LAPD RTT (Round Trip Time) on LAPDLE_9	SCANBTSM.LAPDRT T_19	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum

7.3.9 BS.Siemens.GSM.Round_Trip_Delay

Round trip delay for CES tunnel.

KPI	Type	Data Type	Description	Derivation	Default Aggregat or	Other Aggrega tors
Max_Round_ Trip_Delay	INTENSI TY	INTEG ER	Maximum Round Trip Delay	SCANBTSM.RNDTDE LBTS_2	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh,

						Sum
Mean_Round_Trip_Delay	INTENSITY	INTEGER	Mean Round Trip Delay	SCANBTSM.RNDTDELBTS_3	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, seplbh, Sum
Min_Round_Trip_Delay	INTENSITY	INTEGER	Minimum Round Trip Delay	SCANBTSM.RNDTDELBTS_1	Average	Average, Maximum, Minimum, sebadtbh, sebastbh, seplbh, Sum

7.3.10 BS.Siemens.GSM.Uplink_LAPD_LinkUsage

Uplink LAPD load supervision Measurements.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Max_UL_LAPD_LU_on_LAPDLE0	INTENSITY	FLOAT	Max. UL LAPD link usage on LAPDLE 0	SCANBTSM.LAPDLOAD_4	Average	Average, Maximum, Minimum, sebadtbh, sebastbh

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						h, sebp1bh, Sum
Max_UL_LAP D_LU_on_LAP DLE10	INTENSI TY	FLOA T	Max. UL LAPD link usage on LAPDLE 10	SCANBTSM.LAPDLO AD_44	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebp1bh, Sum
Max_UL_LAP D_LU_on_LAP DLE1	INTENSI TY	FLOA T	Max. UL LAPD link usage on LAPDLE 1	SCANBTSM.LAPDLO AD_8	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebp1bh, Sum
Max_UL_LAP D_LU_on_LAP DLE2	INTENSI TY	FLOA T	Max. UL LAPD link usage on LAPDLE 2	SCANBTSM.LAPDLO AD_12	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebp1bh, Sum
Max_UL_LAP D_LU_on_LAP DLE3	INTENSI TY	FLOA T	Max. UL LAPD link usage on LAPDLE 3	SCANBTSM.LAPDLO AD_16	Average	Average, Maximu m, Minimu m, sebabdtb h,

						sebabstb h, sebplbh, Sum
Max_UL_LAP D_LU_on_LAP DLE4	INTENSI TY	FLOA T	Max. UL LAPD link usage on LAPDLE 4	SCANBTSM.LAPDLO AD_20	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum
Max_UL_LAP D_LU_on_LAP DLE5	INTENSI TY	FLOA T	Max. UL LAPD link usage on LAPDLE 5	SCANBTSM.LAPDLO AD_24	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum
Max_UL_LAP D_LU_on_LAP DLE6	INTENSI TY	FLOA T	Max. UL LAPD link usage on LAPDLE 6	SCANBTSM.LAPDLO AD_28	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum
Max_UL_LAP D_LU_on_LAP	INTENSI TY	FLOA T	Max. UL LAPD link usage on	SCANBTSM.LAPDLO AD_32	Average	Average, Maximu

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DLE7			LAPDLE 7			m, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Max_UL_LAP D_LU_on_LAP DLE8	INTENSI TY	FLOA T	Max. UL LAPD link usage on LAPDLE 8	SCANBTSM.LAPDLO AD_36	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Max_UL_LAP D_LU_on_LAP DLE9	INTENSI TY	FLOA T	Max. UL LAPD link usage on LAPDLE 9	SCANBTSM.LAPDLO AD_40	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_UL_LAP D_LU_on_LAP DLE0	INTENSI TY	FLOA T	Mean UL LAPD link usage on LAPDLE 0	SCANBTSM.LAPDLO AD_3	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_UL_LAP	INTENSI	FLOA	Mean UL	SCANBTSM.LAPDLO	Average	Average,

D_LU_on_LAP DLE10	TY	T	LAPD link usage on LAPDLE 10	AD_43		Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_UL_LAP D_LU_on_LAP DLE1	INTENSI TY	FLOA T	Mean UL LAPD link usage on LAPDLE 1	SCANBTSM.LAPDLO AD_7	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_UL_LAP D_LU_on_LAP DLE2	INTENSI TY	FLOA T	Mean UL LAPD link usage on LAPDLE 2	SCANBTSM.LAPDLO AD_11	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_UL_LAP D_LU_on_LAP DLE3	INTENSI TY	FLOA T	Mean UL LAPD link usage on LAPDLE 3	SCANBTSM.LAPDLO AD_15	Average	Average, Maximum, Minimum, sebabdtb h, sebabstb

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						h, sebplbh, Sum
Mean_UL_LAP D_LU_on_LAP DLE4	INTENSI TY	FLOA T	Mean UL LAPD link usage on LAPDLE 4	SCANBTSM.LAPDLO AD_19	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_UL_LAP D_LU_on_LAP DLE5	INTENSI TY	FLOA T	Mean UL LAPD link usage on LAPDLE 5	SCANBTSM.LAPDLO AD_23	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_UL_LAP D_LU_on_LAP DLE6	INTENSI TY	FLOA T	Mean UL LAPD link usage on LAPDLE 6	SCANBTSM.LAPDLO AD_27	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_UL_LAP D_LU_on_LAP DLE7	INTENSI TY	FLOA T	Mean UL LAPD link usage on LAPDLE 7	SCANBTSM.LAPDLO AD_31	Average	Average, Maximu m, Minimu m, sebabdtb h,

						sebabstb h, sebplbh, Sum
Mean_UL_LAP D_LU_on_LAP DLE8	INTENSI TY	FLOA T	Mean UL LAPD link usage on LAPDLE 8	SCANBTSM.LAPDLO AD_35	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum
Mean_UL_LAP D_LU_on_LAP DLE9	INTENSI TY	FLOA T	Mean UL LAPD link usage on LAPDLE 9	SCANBTSM.LAPDLO AD_39	Average	Average, Maximu m, Minimu m, sebabdtb h, sebabstb h, sebplbh, Sum

7.4 BSC Performance Indicators

This section shows the key performance indicators and other counters for the BSC object, divided into the following sub-sections:

- [BSC.Siemens.GSM.A_Interface_MTP](#)
- [BSC.Siemens.GSM.A_Interface_SCCP](#)
- [BSC.Siemens.GSM.AGPS_EOTD_RRLP_Proc](#)
- [BSC.Siemens.GSM.Basic_eBSC_Processor](#)
- [BSC.Siemens.GSM.Borrowed_Packet_Data_Terminal](#)
- [BSC.Siemens.GSM.BSC_NS_Function](#)
- [BSC.Siemens.GSM.BTSM_Interface](#)
- [BSC.Siemens.GSM.eBSC_NS_Function](#)

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- [BSC.Siemens.GSM.Extended_eBSC_Processor](#)
- [BSC.Siemens.GSM.Handover](#)
- [BSC.Siemens.GSM.Lent_Packet_Data_Terminal](#)
- [BSC.Siemens.GSM.Location_Requests](#)
- [BSC.Siemens.GSM.LOR_per_Positioning](#)
- [BSC.Siemens.GSM.Paging_BSC](#)
- [BSC.Siemens.GSM.PDCH_BSC1](#)
- [BSC.Siemens.GSM.PDCH_eBSC_Basic](#)
- [BSC.Siemens.GSM.PDCH_eBSC_Highcap](#)
- [BSC.Siemens.GSM.PDCH](#)
- [BSC.Siemens.GSM.Processor1](#)
- [BSC.Siemens.GSM.Processor](#)
- [BSC.Siemens.GSM.SCCP_Termination](#)
- [BSC.Siemens.GSM.TA_ECITA_Positioning](#)
- [BSC.Siemens.GSM.TCH_Traffic](#)
- [BSC.Siemens.GSM.UTDOA_Positioning_Procedure](#)

7.4.1 BSC.Siemens.GSM.A_Interface_MTP

MTP measurements on the A interface

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
ADJ_SIGPOINT_MSC_UNAV	ACCUMULATION	INT8	***Moved under DPC in BR10 ***.Number of times adjacent signalling point unavailable	SCANDPC.NASPAVUN_1	Sum	sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
ADJ_SIGPOINT_SMLC_UNAV	ACCUMULATION	INT8	Obsolete in BR9.0;Number of times adjacent signalling point SMLC unavailable	SCANDPC.NASPAVUN_2	Sum	sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
ASP_DURATION_WITH_STATUS_UNAVAILABLE	INTENSITY	FLOAT	**Obsolete in BR9 ***.Duration of the Adjacent Signalling Point (ASP)	SCANDPC.DASPU NT_0	Average	Average, Maximum, Minimum, sebpdchb

			Unavailable Condition			h, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
ASP_STATUS_FROM_ACCESSIBLE_TO_UNAVAILABLE	ACCUMULATION	INT8	**Obsolete in BR9 ***.Number of Transitions of the Adjacent Signalling Point (ASP) from available to unavailable. Unavailable means that the destination status is set to INACCESSIBLE.	SCANDPC.NASPAVUN_0	Sum	sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
CHANGEOVERS_PERFORMED	ACCUMULATION	INT8	**Obsolete in BR9 ***.Number of Locally Generated Automatic Changeovers. Gives the total number of changeovers performed by the BSC. Both, normal changeovers and emergency changeovers are counted. Changeovers are initiated by	SCANDPC.LOCAUTCH_0	Sum	sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum

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			the BSC in case a SS7 Link is interrupted or deactivated.			
DUR_ADJ_SIG POINT_MSC_ UNAV	ACCUMULA TION	FLO AT	***Moved under DPC in BR10 ***.Duration adjacent signalling point unavailable	SCANDPC.DASPU NT_1	Sum	sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
DUR_ADJ_SIG POINT_SMLC UNAV	ACCUMULA TION	FLO AT	Obsolete in BR9.0;Duratio n adjacent signalling point SMLC unavailable	SCANDPC.DASPU NT_2	Sum	sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
MSU_RECEIV ED	ACCUMULA TION	INT8	***Obsolete in BR9 ***.Number of Message Signal Units (MSUs) Received	SCANDPC.NMSUR EC_0	Sum	sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
MSU_TRANS MITTED	ACCUMULA TION	INT8	**Obsolete in BR9 ***.Number of Message Signal Units (MSUs) Transmitted	SCANDPC.NMSUT RAS_0	Sum	sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
TOT_MTP_MS U_FROM_LIN KSET1	ACCUMULA TION	INT8	Obsolete in BR9.0;Total MTP MSUs received via linkset 1	SCANDPC.NMSUR EC_2	Sum	sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
TOT_MTP_MS U_RECEIVED	ACCUMULA TION	INT8	***Moved under DPC in	SCANDPC.NMSUR EC_1	Sum	sebpdchb h,

			BR10 ***.Total MTP MSUs received			sebtchbh, sebtchfrb h, sebtchhr bh, Sum
TOT_MTP_MS U_SENT	ACCUMULA TION	INT8	***Moved under DPC in BR10 ***.Total MTP MSUs sent	SCANDPC.NMSUT RAS_1	Sum	sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
TOT_MTP_MS U_TO_LINKSE T1	ACCUMULA TION	INT8	Obsolete in BR9.0;Total MTP MSUs sent via linkset 1	SCANDPC.NMSUT RAS_2	Sum	sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
TOT_SS7_CH ANGEOVERS_ LSET1	ACCUMULA TION	INT8	Obsolete in BR9.0;Total SS7 link changeovers linkset 1	SCANDPC.LOCAU TCH_2	Sum	sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
TOT_SS7_CH ANGEOVERS	ACCUMULA TION	INT8	***Moved under DPC in BR10 ***.Total SS7 link changeovers	SCANDPC.LOCAU TCH_1	Sum	sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum

7.4.2 BSC.Siemens.GSM.A_Interface_SCCP

SCCP measurements on the A interface

KPI	Type	Data	Description	Derivation	Default	Other
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		Type			Aggregator	Aggregators
SCCP_CONNECTIONLESS_MESSAGES_RECEIVED	ACCUMULATION	INT 8	****Obsolete in BR9.0****. Total Number of Connectionless Messages Received (Receipt of an UDT message)	SCANDPC.TCMMSG REC_0	Sum	sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
SCCP_CONNECTIONLESS_MESSAGES_SENT	ACCUMULATION	INT 8	****Obsolete in BR9.0****. Total Number of Connectionless Messages Sent (Transmission of an UDT message)	SCANDPC.TCMMSGS ND_0	Sum	sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
SCCP_MESSAGES_FAILURE_DUE_TO_BSS	ACCUMULATION	INT 8	****Obsolete in BR9.0****. Routing Failure, Subsystem Unavailable. The measurement counts the total number of SCCP messages received from the MSC which could not be processed because the related	SCANDPC.RFSUBU N_0	Sum	sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum

			subsystem in the BSS is not ready to receive this message (routing failure on incoming			
SCCP_MESSAGES_FAILURE_DUE_TO_MSC	ACCUMULATION	INT 8	****Obsolete in BR9.0****. Routing Failure, DPC Unavailable. The measurement counts the total number of SCCP messages, which could not be sent to the MSC due to failure of the MSC DPC.	SCANDPC.RFDBCUN_0	Sum	sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
SCCP_MESSAGES_HANDLED	ACCUMULATION	INT 8	****Obsolete in BR9.0****. Total Number of Messages Handled. Receipt and transmission of connection and connection oriented messages	SCANDPC.TMSHDDL_0	Sum	sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
SCCP_MESSAGES	ACCUMULATION	INT	****Obsolete	SCANDPC.TMSGR	Sum	sebpdchbh

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ES_RECEIVED	TION	8	in BR9.0****. Total Number of Messages Received. Receipt of connectionles s and connection Oriented messages in the BSC.	EC_0		h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
SCCP_MSG_RE CEIVE_SMLC	ACCUMULA TION	INT 8	Obsolete in BR9.0; SCCP msgs received from SMLC	SCANDPC.TMSGR EC_2	Sum	sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
SCCP_MSG_RE CEIVED	ACCUMULA TION	INT 8	***Moved under DPC in BR10 ***.Total SCCP msgs received	SCANDPC.TMSGR EC_1	Sum	sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
TOT_CONNECT IONLESS_MSG_ FROM_SMLC	ACCUMULA TION	INT 8	Obsolete in BR9.0; Total connectionles s msgs received from SMLC	SCANDPC.TCMSG REC_2	Sum	sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
TOT_CONNECT IONLESS_MSG_ TO_SMLC	ACCUMULA TION	INT 8	Obsolete in BR9.0; Total connectionles s msgs sent to SMLC	SCANDPC.TCMSGS ND_2	Sum	sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
TOT_CONNECT IONLESS_RECE IVED	ACCUMULA TION	INT 8	***Moved under DPC in BR10	SCANDPC.TCMSG REC_1	Sum	sebpdchb h, sebtchbh,

			***.Total connections msgs received			sebtchfrb h, sebtchhr bh, Sum
TOT_CONNECT IONLESS_SENT	ACCUMULA TION	INT 8	***Moved under DPC in BR10 ***.Total connections msgs sent	SCANDPC.TCMSGS ND_1	Sum	sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
TOT_SCCP_MS G_TOFROM_SM LC	ACCUMULA TION	INT 8	Obsolete in BR9.0; Total SCCP msgs sent/received to/from SMLC	SCANDPC.TMSHH DL_2	Sum	sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
TOT_SCCP_MS G_UNSENT_NO T_PROC	ACCUMULA TION	INT 8	***Moved under DPC in BR10 ***.Total SCCP msgs unsent and not processed; Routing Failure, Subsystem Unavailable	SCANDPC.RFSUBU N_1	Sum	sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
TOT_SCCP_MS G_UNSENT_SM LC_NOT_PROC	ACCUMULA TION	INT 8	Obsolete in BR9.0; Total SCCP msgs unsent from SMLC not processed	SCANDPC.RFSUBU N_2	Sum	sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
TOT_SCCP_MS G_UNSENT_SM	ACCUMULA TION	INT 8	Obsolete in BR9.0; Total	SCANDPC.RFDBC N_2	Sum	sebpdchb h,

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LC			SCCP msgs unsent to SMLC			sebtchbh, sebtchfrb h, sebtchhr bh, Sum
TOT_SCCP_MS G_UNSENT	ACCUMULA TION	INT 8	***Moved under DPC in BR10 ***.Total SCCP msgs unsent; Routing Failure, DPC Unavailable	SCANDPC.RFDBC UN_1	Sum	sebpdc h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
TOT_SCCP_MS G	ACCUMULA TION	INT 8	***Moved under DPC in BR10 ***.Total Number of SCCP Messages Handled	SCANDPC.TMSHH DL_1	Sum	sebpdc h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum

7.4.3 BSC.Siemens.GSM.AGPS_EOTD_RRLP_Proc

This measurement provides the statistics related to A-GPS/E-OTD RRLP procedures

KPI	Type	Data Type	Description	Derivation	Default Aggrega tor	Other Aggrega tors
Attempted_Ag ps_Eotd_Rrlp_ Initial_Comma nd	ACCUMULA TION	INTEG ER	Number of Attempted A- GPS / E-OTD RRLP Command - Initial command	SCANBSC.ATTAGR RC_1	Sum	sebpclbh, sebtchbh, Sum
Attempted_Ag ps_Eotd_Rrlp_ Subsequent_C ommand	ACCUMULA TION	INTEG ER	Number of Attempted A- GPS / E-OTD RRLP Command - Subsequent	SCANBSC.ATTAGR RC_2	Sum	sebpclbh, sebtchbh, Sum

			command			
Reset_Agps_E otd_Rrlp_Failu re_Other_Radi o_Related_Eve nts	ACCUMULA TION	INTEG ER	Number of Reset A- GPS / E-OTD RRLP Procedure - Failure for other radio related events	SCANBSC.RESAGR RP_2	Sum	sebpclbh, sebtchbh, Sum
Reset_Agps_E otd_Rrlp_Inco rrect_Cellid	ACCUMULA TION	INTEG ER	Number of Reset A- GPS / E-OTD RRLP Procedure - Incorrect serving cell identity	SCANBSC.RESAGR RP_4	Sum	sebpclbh, sebtchbh, Sum
Reset_Agps_E otd_Rrlp_Intra bss_HO	ACCUMULA TION	INTEG ER	Number of Reset A- GPS / E-OTD RRLP Procedure - Intra-BSS handover	SCANBSC.RESAGR RP_1	Sum	sebpclbh, sebtchbh, Sum
Reset_Agps_E otd_Rrlp_Supe rvision_Timer _Expired	ACCUMULA TION	INTEG ER	Number of Reset A- GPS / E-OTD RRLP Procedure - Supervision timer expired	SCANBSC.RESAGR RP_3	Sum	sebpclbh, sebtchbh, Sum
Succ_Agps_E otd_Rrlp_Initi al_Response	ACCUMULA TION	INTEG ER	Number of Successful A- GPS / E-OTD RRLP Response - Initial Response	SCANBSC.SUCAGR RS_1	Sum	sebpclbh, sebtchbh, Sum

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Succ_Agps_Eotd_Rrlp_Subsequent_Response	ACCUMULATION	INTEGER	Number of Successful A-GPS / E-OTD RRLP Response - Subsequent Response	SCANBSC.SUCAGRRS_2	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Agps_Eotd_Rrlp_Bssaple_Segmentation_Error	ACCUMULATION	INTEGER	Number of Unsuccessful Reject A-GPS / E-OTD RRLP Procedure - BSSAP-LE segmentation error	SCANBSC.UNSRGRP_6	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Agps_Eotd_Rrlp_Cm_Not_Supported	ACCUMULATION	INTEGER	Number of Unsuccessful Reject A-GPS / E-OTD RRLP Procedure - Channel mode not supported	SCANBSC.UNSRGRP_2	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Agps_Eotd_Rrlp_Congestion	ACCUMULATION	INTEGER	Number of Unsuccessful Reject A-GPS / E-OTD RRLP Procedure - Congestion	SCANBSC.UNSRGRP_1	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Agps_Eotd_Rrlp_Incorrect_Cellid	ACCUMULATION	INTEGER	Number of Unsuccessful Reject A-GPS / E-OTD RRLP Procedure - Incorrect serving cell identity	SCANBSC.UNSRGRP_5	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Agps_Eotd_Rrlp_Other_Events	ACCUMULATION	INTEGER	Number of Unsuccessful Reject A-GPS	SCANBSC.UNSRGRP_4	Sum	sebpclbh, sebtchbh, Sum

			/ E-OTD RRLP Procedure - Failure for other radio related events			
UnSucc_Agps _Eotd_Rrlp_P p_Not_Support ed	ACCUMULA TION	INTEG ER	Number of Unsuccessful Reject A-GPS / E-OTD RRLP Procedure - Positioning procedure not supported	SCANBSC.UNSRGR RP_3	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Agps _Eotd_Rrlp	ACCUMULA TION	INTEG ER	Number of Unsuccessful Abort A- GPS / E-OTD RRLP Procedure - Failure for other radio related events	SCANBSC.UNSAGR RP_1	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Att_ Usage_Locatio n_Requests_Pe r_Interbss_HO	ACCUMULA TION	INTEG ER	Number of Unsuccessful Attempted usage Location Requests per - Inter-BSS handover	SCANBSC.UNSAGR RP_3	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Att_ Usage_Lr_Los s_Of_Signallin g_Connection_ To_Ms	ACCUMULA TION	INTEG ER	Number of Unsuccessful Attempted usage Location Requests per - Loss of	SCANBSC.UNSAGR RP_4	Sum	sebpclbh, sebtchbh, Sum

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			signalling connection to MS			
UnSucc_Att_Usage_Lr_Supervision_Timer_Expired	ACCUMULATION	INTEGER	Number of Unsuccessful Attempted usage Location Requests per - Supervision timer expired	SCANBSC.UNSAGRP_2	Sum	sebpclbh, sebtchbh, Sum

7.4.4 BSC.Siemens.GSM.Basic_eBSC_Processor

Basic eBSC Processor Statistics

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Max_Total_Time_On_Apd1	INTENSITY	FLOAT	Max. total time on APD1	SCANBSC_EBSC_BASIC.BSCPRCLD_48	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Apd2	INTENSITY	FLOAT	Max. total time on APD2	SCANBSC_EBSC_BASIC.BSCPRCLD_50	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Apd3	INTENSITY	FLOAT	Max. total time on APD3	SCANBSC_EBSC_BASIC.BSCPRCLD_52	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum

Max_Total_Time_On_Apd4	INTENSITY	FLOAT	Max. total time on APD4	SCANBSC_EBSC_B ASIC.BSCPRCLD_54	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Apd5	INTENSITY	FLOAT	Max. total time on APD5	SCANBSC_EBSC_B ASIC.BSCPRCLD_56	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Apm	INTENSITY	FLOAT	Max. total time on APM	SCANBSC_EBSC_B ASIC.BSCPRCLD_46	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_total_time_on_ETH0	INTENSITY	FLOAT	Max. total time on ETH0	SCANBSC_EBSC_B ASIC.BSCPRCLD_92	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_total_time_on_ETH1	INTENSITY	FLOAT	Max. total time on ETH1	SCANBSC_EBSC_B ASIC.BSCPRCLD_94	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh,

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						Sum
Max_total_time_on_ETH2	INTENSITY	FLOAT	Max. total time on ETH2	SCANBSC_EBSC_BASIC.BSCPRCLD_96	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_total_time_on_ETH3	INTENSITY	FLOAT	Max. total time on ETH3	SCANBSC_EBSC_BASIC.BSCPRCLD_98	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Liet_0_Shelf1_Smac0	INTENSITY	FLOAT	Max. total time on LIET 0 SHELF1/SMAC 0	SCANBSC_EBSC_BASIC.BSCPRCLD_62	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Liet_0	INTENSITY	FLOAT	Obsolete in BR10; Max. total time on LIET 0	SCANBSC_EBSC_BASIC.BSCPRCLD_10	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Liet_1_Shelf1_Smac1	INTENSITY	FLOAT	Max. total time on LIET 1 SHELF1/SMAC 1	SCANBSC_EBSC_BASIC.BSCPRCLD_64	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_total_time	INTENSITY	FLOAT	Max. total time	SCANBSC_EBSC_BASIC	Average	Average,

_on_LIET_10	TY	T	on LIET 10	ASIC.BSCPRCLD_78		Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_total_time _on_LIET_11	INTENSITY	FLOAT	Max. total time on LIET 11	SCANBSC_EBSC_B ASIC.BSCPRCLD_80	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_total_time _on_LIET_12	INTENSITY	FLOAT	Max. total time on LIET 12	SCANBSC_EBSC_B ASIC.BSCPRCLD_82	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Ti me_On_Liet_1	INTENSITY	FLOAT	Obsolete in BR10; Max. total time on LIET 1	SCANBSC_EBSC_B ASIC.BSCPRCLD_12	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Ti me_On_Liet_2	INTENSITY	FLOAT	Max. total time on LIET 2	SCANBSC_EBSC_B ASIC.BSCPRCLD_66	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum

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Max_Total_Time_On_Liet_3	INTENSITY	FLOAT	Max. total time on LIET 3	SCANBSC_EBSC_BASIC.BSCPRCLD_68	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Liet_4	INTENSITY	FLOAT	Max. total time on LIET 4	SCANBSC_EBSC_BASIC.BSCPRCLD_70	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Liet_5	INTENSITY	FLOAT	Max. total time on LIET 5	SCANBSC_EBSC_BASIC.BSCPRCLD_72	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Liet_6	INTENSITY	FLOAT	Max. total time on LIET 6	SCANBSC_EBSC_BASIC.BSCPRCLD_74	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Liet_7	INTENSITY	FLOAT	Max. total time on LIET 7	SCANBSC_EBSC_BASIC.BSCPRCLD_76	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Liet_8	INTENSITY	FLOAT	Obsolete in BR10; Max. total time on	SCANBSC_EBSC_BASIC.BSCPRCLD_26	Average	Average, Maximum,

			LIET 8			Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Mcp	INTENSITY	FLOAT	Max. total time on MCP	SCANBSC_EBSC_B ASIC.BSCPRCLD_44	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_0	INTENSITY	FLOAT	Max. total time on PCU in slot no. 0	SCANBSC_EBSC_B ASIC.BSCPRCLD_9	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_10	INTENSITY	FLOAT	Max. total time on PCU in slot no. 10	SCANBSC_EBSC_B ASIC.BSCPRCLD_39	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_1	INTENSITY	FLOAT	Max. total time on PCU in slot no. 1	SCANBSC_EBSC_B ASIC.BSCPRCLD_12	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time	INTENSITY	FLOAT	Max. total time	SCANBSC_EBSC_B	Average	Average,

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me_On_PCU_In_Slot_No_2	TY	T	on PCU in slot no. 2	ASIC.BSCPRCLD_15		Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_3	INTENSITY	FLOAT	Max. total time on PCU in slot no. 3	SCANBSC_EBSC_B ASIC.BSCPRCLD_18	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_4	INTENSITY	FLOAT	Max. total time on PCU in slot no. 4	SCANBSC_EBSC_B ASIC.BSCPRCLD_21	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_5	INTENSITY	FLOAT	Max. total time on PCU in slot no. 5	SCANBSC_EBSC_B ASIC.BSCPRCLD_24	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_6	INTENSITY	FLOAT	Max. total time on PCU in slot no. 6	SCANBSC_EBSC_B ASIC.BSCPRCLD_27	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_7	INTENSITY	FLOAT	Max. total time on PCU in slot no. 7	SCANBSC_EBSC_B ASIC.BSCPRCLD_30	Average	Average, Maximum, Minimum

						m, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_8	INTENSITY	FLOAT	Max. total time on PCU in slot no. 8	SCANBSC_EBSC_BASIC.BSCPRCLD_33	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_9	INTENSITY	FLOAT	Max. total time on PCU in slot no. 9	SCANBSC_EBSC_BASIC.BSCPRCLD_36	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Sdh0	INTENSITY	FLOAT	Max. total time on SDH0	SCANBSC_EBSC_BASIC.BSCPRCLD_84	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Sdh1	INTENSITY	FLOAT	Max. total time on SDH1	SCANBSC_EBSC_BASIC.BSCPRCLD_86	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_SDH2	INTENSITY	FLOAT	Max. total time on SDH2	SCANBSC_EBSC_BASIC.BSCPRCLD_88	Average	Average, Maximum

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						m, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_SDH3	INTENSITY	FLOAT	Max. total time on SDH3	SCANBSC_EBSC_BASIC.BSCPRCLD_90	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Apd1	INTENSITY	FLOAT	Total time on APD1	SCANBSC_EBSC_BASIC.BSCPRCLD_47	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Apd2	INTENSITY	FLOAT	Total time on APD2	SCANBSC_EBSC_BASIC.BSCPRCLD_49	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Apd3	INTENSITY	FLOAT	Total time on APD3	SCANBSC_EBSC_BASIC.BSCPRCLD_51	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Apd4	INTENSITY	FLOAT	Total time on APD4	SCANBSC_EBSC_BASIC.BSCPRCLD_53	Average	Average, Maximum, Minimum,

						sebpclbh, sebtchbh, Sum
Total_Time_On_Apd5	INTENSITY	FLOAT	Total time on APD5	SCANBSC_EBSC_B ASIC.BSCPRCLD_55	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Apm	INTENSITY	FLOAT	Total time on APM	SCANBSC_EBSC_B ASIC.BSCPRCLD_45	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_time_on_ETH0	INTENSITY	FLOAT	Total time on ETH0	SCANBSC_EBSC_B ASIC.BSCPRCLD_91	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_time_on_ETH1	INTENSITY	FLOAT	Total time on ETH1	SCANBSC_EBSC_B ASIC.BSCPRCLD_93	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_time_on_ETH2	INTENSITY	FLOAT	Total time on ETH2	SCANBSC_EBSC_B ASIC.BSCPRCLD_95	Average	Average, Maximum,

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						Minimum, sebpclbh, sebtchbh, Sum
Total_time_on_ETH3	INTENSITY	FLOAT	Total time on ETH3	SCANBSC_EBSC_BASIC.BSCPRCLD_97	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Liet_0_Shelf1_Smac0	INTENSITY	FLOAT	Total time on LIET 0 SHELF1/SMAC 0	SCANBSC_EBSC_BASIC.BSCPRCLD_61	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Liet_0	INTENSITY	FLOAT	Obsolete in BR10; Total time on LIET 0	SCANBSC_EBSC_BASIC.BSCPRCLD_9	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Liet_1_Shelf1_Smac1	INTENSITY	FLOAT	Total time on LIET 1 SHELF1/SMAC 1	SCANBSC_EBSC_BASIC.BSCPRCLD_63	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_time_on_LIET_10	INTENSITY	FLOAT	Total time on LIET 10	SCANBSC_EBSC_BASIC.BSCPRCLD_77	Average	Average, Maximum, Minimum, sebpclbh,

						sebtchbh, Sum
Total_time_on_ LIET_11	INTENSI TY	FLOA T	Total time on LIET 11	SCANBSC_EBSC_B ASIC.BSCPRCLD_79	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_time_on_ LIET_12	INTENSI TY	FLOA T	Total time on LIET 12	SCANBSC_EBSC_B ASIC.BSCPRCLD_81	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_ Liet_1	INTENSI TY	FLOA T	Obsolete in BR10; Total time on LIET 1	SCANBSC_EBSC_B ASIC.BSCPRCLD_11	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_ Liet_2	INTENSI TY	FLOA T	Total time on LIET 2	SCANBSC_EBSC_B ASIC.BSCPRCLD_65	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_ Liet_3	INTENSI TY	FLOA T	Total time on LIET 3	SCANBSC_EBSC_B ASIC.BSCPRCLD_67	Average	Average, Maximum, Minimum

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						m, sebpclbh, sebtchbh, Sum
Total_Time_On _Liet_4	INTENSI TY	FLOA T	Total time on LIET 4	SCANBSC_EBSC_B ASIC.BSCPRCLD_69	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Total_Time_On _Liet_5	INTENSI TY	FLOA T	Total time on LIET 5	SCANBSC_EBSC_B ASIC.BSCPRCLD_71	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Total_Time_On _Liet_6	INTENSI TY	FLOA T	Total time on LIET 6	SCANBSC_EBSC_B ASIC.BSCPRCLD_73	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Total_Time_On _Liet_7	INTENSI TY	FLOA T	Total time on LIET 7	SCANBSC_EBSC_B ASIC.BSCPRCLD_75	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Total_Time_On _Liet_8	INTENSI TY	FLOA T	Obsolete in BR10; Total time on LIET 8	SCANBSC_EBSC_B ASIC.BSCPRCLD_25	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh,

						Sum
Total_Time_On_Mcp	INTENSITY	FLOAT	Total time on MCP	SCANBSC_EBSC_B ASIC.BSCPRCLD_43	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_PCU_In_Slot_No_0	INTENSITY	FLOAT	Total time on PCU in slot no. 0	SCANBSC_EBSC_B ASIC.BSCPRCLD_8	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_PCU_In_Slot_No_10	INTENSITY	FLOAT	Total time on PCU in slot no. 10	SCANBSC_EBSC_B ASIC.BSCPRCLD_38	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_PCU_In_Slot_No_1	INTENSITY	FLOAT	Total time on PCU in slot no. 1	SCANBSC_EBSC_B ASIC.BSCPRCLD_11	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_PCU_In_Slot_No_2	INTENSITY	FLOAT	Total time on PCU in slot no. 2	SCANBSC_EBSC_B ASIC.BSCPRCLD_14	Average	Average, Maximum, Minimum,

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						sebpclbh, sebtchbh, Sum
Total_Time_On _PCU_In_Slot_ No_3	INTENSI TY	FLOA T	Total time on PCU in slot no. 3	SCANBSC_EBSC_B ASIC.BSCPRCLD_17	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Total_Time_On _PCU_In_Slot_ No_4	INTENSI TY	FLOA T	Total time on PCU in slot no. 4	SCANBSC_EBSC_B ASIC.BSCPRCLD_20	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Total_Time_On _PCU_In_Slot_ No_5	INTENSI TY	FLOA T	Total time on PCU in slot no. 5	SCANBSC_EBSC_B ASIC.BSCPRCLD_23	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Total_Time_On _PCU_In_Slot_ No_6	INTENSI TY	FLOA T	Total time on PCU in slot no. 6	SCANBSC_EBSC_B ASIC.BSCPRCLD_26	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Total_Time_On _PCU_In_Slot_ No_7	INTENSI TY	FLOA T	Total time on PCU in slot no. 7	SCANBSC_EBSC_B ASIC.BSCPRCLD_29	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum

Total_Time_On_PCU_In_Slot_No_8	INTENSITY	FLOAT	Total time on PCU in slot no. 8	SCANBSC_EBSC_B ASIC.BSCPRCLD_32	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_PCU_In_Slot_No_9	INTENSITY	FLOAT	Total time on PCU in slot no. 9	SCANBSC_EBSC_B ASIC.BSCPRCLD_35	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Sdh0	INTENSITY	FLOAT	Total time on SDH0	SCANBSC_EBSC_B ASIC.BSCPRCLD_83	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Sdh1	INTENSITY	FLOAT	Total time on SDH1	SCANBSC_EBSC_B ASIC.BSCPRCLD_85	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_SDH2	INTENSITY	FLOAT	Total time on SDH2	SCANBSC_EBSC_B ASIC.BSCPRCLD_87	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh,

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						Sum
Total_Time_On_SDH3	INTENSITY	FLOAT	Total time on SDH3	SCANBSC_EBSC_BASIC.BSCPRCLD_89	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum

7.4.5 BSC.Siemens.GSM.Borrowed_Packet_Data_Terminal

Measurements related to Borrowed PDTs of PCUs.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Max_borrowed_PDTs_of_PC_U0	INTENSITY	INTEGER	Maximum number of borrowed PDTs of PCU0	SCANBSC.NPDTBOR_2	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Max_borrowed_PDTs_of_PC_U10	INTENSITY	INTEGER	Maximum number of borrowed PDTs of PCU10	SCANBSC.NPDTBOR_32	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Max_borrowed_PDTs_of_PC_U11	INTENSITY	INTEGER	Maximum number of borrowed PDTs of PCU11	SCANBSC.NPDTBOR_35	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh,

						Sum
Max_borrowed_PDTs_of_PC U1	INTENSITY	INTEGER	Maximum number of borrowed PDTs of PCU1	SCANBSC.NPDTBOR _5	Average	Average, Maximum, Minimum, sebpdcbbh, sebtchbh, Sum
Max_borrowed_PDTs_of_PC U2	INTENSITY	INTEGER	Maximum number of borrowed PDTs of PCU2	SCANBSC.NPDTBOR _8	Average	Average, Maximum, Minimum, sebpdcbbh, sebtchbh, Sum
Max_borrowed_PDTs_of_PC U3	INTENSITY	INTEGER	Maximum number of borrowed PDTs of PCU3	SCANBSC.NPDTBOR _11	Average	Average, Maximum, Minimum, sebpdcbbh, sebtchbh, Sum
Max_borrowed_PDTs_of_PC U4	INTENSITY	INTEGER	Maximum number of borrowed PDTs of PCU4	SCANBSC.NPDTBOR _14	Average	Average, Maximum, Minimum, sebpdcbbh, sebtchbh, Sum
Max_borrowed	INTENSITY	INTEGER	Maximum	SCANBSC.NPDTBOR	Average	Average,

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_PDTs_of_PC U5	TY	ER	number of borrowed PDTs of PCU5	_17		Maximum, Minimum, sebpdchb h, sebtchbh, Sum
Max_borrowed _PDTs_of_PC U6	INTENSI TY	INTEG ER	Maximum number of borrowed PDTs of PCU6	SCANBSC.NPDTBOR _20	Average	Average, Maximum, Minimum, sebpdchb h, sebtchbh, Sum
Max_borrowed _PDTs_of_PC U7	INTENSI TY	INTEG ER	Maximum number of borrowed PDTs of PCU7	SCANBSC.NPDTBOR _23	Average	Average, Maximum, Minimum, sebpdchb h, sebtchbh, Sum
Max_borrowed _PDTs_of_PC U8	INTENSI TY	INTEG ER	Maximum number of borrowed PDTs of PCU8	SCANBSC.NPDTBOR _26	Average	Average, Maximum, Minimum, sebpdchb h, sebtchbh, Sum
Max_borrowed _PDTs_of_PC U9	INTENSI TY	INTEG ER	Maximum number of borrowed PDTs of PCU9	SCANBSC.NPDTBOR _29	Average	Average, Maximum, Minimum, sebpdchb h, sebtchbh,

						Sum
Mean_borrowed_PDTs_of_PCU0	INTENSITY	FLOAT	Mean number of borrowed PDTs of PCU0	SCANBSC.NPDTBOR_3	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Mean_borrowed_PDTs_of_PCU10	INTENSITY	FLOAT	Mean number of borrowed PDTs of PCU10	SCANBSC.NPDTBOR_33	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Mean_borrowed_PDTs_of_PCU11	INTENSITY	FLOAT	Mean number of borrowed PDTs of PCU11	SCANBSC.NPDTBOR_36	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Mean_borrowed_PDTs_of_PCU1	INTENSITY	FLOAT	Mean number of borrowed PDTs of PCU1	SCANBSC.NPDTBOR_6	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Mean_borrowed	INTENSITY	FLOAT	Mean number	SCANBSC.NPDTBOR	Average	Average,

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d_PDTs_of_PC U2	TY	T	of borrowed PDTs of PCU2	_9		Maximum, Minimum, sebpdchb h, sebtchbh, Sum
Mean_borrowe d_PDTs_of_PC U3	INTENSI TY	FLOA T	Mean number of borrowed PDTs of PCU3	SCANBSC.NPDTBOR _12	Average	Average, Maximum, Minimum, sebpdchb h, sebtchbh, Sum
Mean_borrowe d_PDTs_of_PC U4	INTENSI TY	FLOA T	Mean number of borrowed PDTs of PCU4	SCANBSC.NPDTBOR _15	Average	Average, Maximum, Minimum, sebpdchb h, sebtchbh, Sum
Mean_borrowe d_PDTs_of_PC U5	INTENSI TY	FLOA T	Mean number of borrowed PDTs of PCU5	SCANBSC.NPDTBOR _18	Average	Average, Maximum, Minimum, sebpdchb h, sebtchbh, Sum
Mean_borrowe d_PDTs_of_PC U6	INTENSI TY	FLOA T	Mean number of borrowed PDTs of PCU6	SCANBSC.NPDTBOR _21	Average	Average, Maximum, Minimum, sebpdchb h, sebtchbh,

						Sum
Mean_borrowed_PDTs_of_PCU7	INTENSITY	FLOAT	Mean number of borrowed PDTs of PCU7	SCANBSC.NPDTBOR_24	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Mean_borrowed_PDTs_of_PCU8	INTENSITY	FLOAT	Mean number of borrowed PDTs of PCU8	SCANBSC.NPDTBOR_27	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Mean_borrowed_PDTs_of_PCU9	INTENSITY	FLOAT	Mean number of borrowed PDTs of PCU9	SCANBSC.NPDTBOR_30	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Min_borrowed_PDTs_of_PCU0	INTENSITY	INTEGER	Minimum number of borrowed PDTs of PCU0	SCANBSC.NPDTBOR_1	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Min_borrowed	INTENSITY	INTEGER	Minimum	SCANBSC.NPDTBOR	Average	Average,

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_PDTs_of_PC U10	TY	ER	number of borrowed PDTs of PCU10	_31		Maximum, Minimum, sebpdchb h, sebtchbh, Sum
Min_borrowed _PDTs_of_PC U11	INTENSI TY	INTEG ER	Minimum number of borrowed PDTs of PCU11	SCANBSC.NPDTBOR _34	Average	Average, Maximum, Minimum, sebpdchb h, sebtchbh, Sum
Min_borrowed _PDTs_of_PC U1	INTENSI TY	INTEG ER	Minimum number of borrowed PDTs of PCU1	SCANBSC.NPDTBOR _4	Average	Average, Maximum, Minimum, sebpdchb h, sebtchbh, Sum
Min_borrowed _PDTs_of_PC U2	INTENSI TY	INTEG ER	Minimum number of borrowed PDTs of PCU2	SCANBSC.NPDTBOR _7	Average	Average, Maximum, Minimum, sebpdchb h, sebtchbh, Sum
Min_borrowed _PDTs_of_PC U3	INTENSI TY	INTEG ER	Minimum number of borrowed PDTs of PCU3	SCANBSC.NPDTBOR _10	Average	Average, Maximum, Minimum, sebpdchb h, sebtchbh,

						Sum
Min_borrowed_PDTs_of_PC U4	INTENSITY	INTEGER	Minimum number of borrowed PDTs of PCU4	SCANBSC.NPDTBOR _13	Average	Average, Maximum, Minimum, sebpdc h, sebtchbh, Sum
Min_borrowed_PDTs_of_PC U5	INTENSITY	INTEGER	Minimum number of borrowed PDTs of PCU5	SCANBSC.NPDTBOR _16	Average	Average, Maximum, Minimum, sebpdc h, sebtchbh, Sum
Min_borrowed_PDTs_of_PC U6	INTENSITY	INTEGER	Minimum number of borrowed PDTs of PCU6	SCANBSC.NPDTBOR _19	Average	Average, Maximum, Minimum, sebpdc h, sebtchbh, Sum
Min_borrowed_PDTs_of_PC U7	INTENSITY	INTEGER	Minimum number of borrowed PDTs of PCU7	SCANBSC.NPDTBOR _22	Average	Average, Maximum, Minimum, sebpdc h, sebtchbh, Sum
Min_borrowed	INTENSITY	INTEGER	Minimum	SCANBSC.NPDTBOR	Average	Average,

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_PDTs_of_PC U8	TY	ER	number of borrowed PDTs of PCU8	_25		Maximum, Minimum, sebpdcbh, sebtchbh, Sum
Min_borrowed _PDTs_of_PC U9	INTENSITY	INTEGER	Minimum number of borrowed PDTs of PCU9	SCANBSC.NPDTBOR _28	Average	Average, Maximum, Minimum, sebpdcbh, sebtchbh, Sum

7.4.6 BSC.Siemens.GSM.BSC_NS_Function

Network Service (NS) functionality statistics when the Central Network Service (CNS) feature is enabled

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Maximum_Time_On_The_Cards_Supporting_Cns_Functionality	INTENSITY	FLOAT	Maximum total time on the card(s) supporting CNS functionality	SCANBSC.CNSPRCLD_3	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Prime_Time_On_The_Cards_Supporting_Cns_Functionality	INTENSITY	FLOAT	Prime time on the card(s) supporting CNS functionality	SCANBSC.CNSPRCLD_1	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On	INTENSITY	FLOAT	Total time on	SCANBSC.CNSPRCL	Average	Average,

_The_Cards_Su pporting_Cns_F unctionality	TY	T	the card(s) supporting CNS functionality	D_2		Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
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7.4.7 BSC.Siemens.GSM.BTSM_Interface

Information about the transmission of I-Frames on the Abis-Interface on BSC side

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Badly_Receive d_Iframes_On_ Bsc_Side	ACCUMULA TION	INTEG ER	Number of badly received I-frames on BSC side	SCANFBTSM_BSC .IFRMABSC_4	Sum	sebpclbh, sebtchbh, Sum
Discarded_Ifra mes_Transit_Q ueue_On_Bsc_ Side	ACCUMULA TION	INTEG ER	Number of discarded I- frames from the transit queue on BSC side	SCANFBTSM_BSC .IFRMABSC_2	Sum	sebpclbh, sebtchbh, Sum
Received_Ifra mes_On_Bsc_ Side	ACCUMULA TION	INTEG ER	Number of received I- frames on BSC side	SCANFBTSM_BSC .IFRMABSC_3	Sum	sebpclbh, sebtchbh, Sum
Transmitted_Ifr ames_On_Bsc_ Side	ACCUMULA TION	INTEG ER	Number of transmitted I- frames on BSC side	SCANFBTSM_BSC .IFRMABSC_1	Sum	sebpclbh, sebtchbh, Sum

7.4.8 BSC.Siemens.GSM.eBSC_NS_Function

Network Service (NS) functionality statistics when the Central Network Service (CNS) feature is enabled

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KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Maximum_Time_On_The_Cards_With_Cns_Function	INTENSITY	FLOAT	Maximum total time on the card(s) supporting CNS functionality	SCANBSC_EBSC.CNSPRCLD_3	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_The_Cards_With_Cns_Function	INTENSITY	FLOAT	Total time on the card(s) supporting CNS functionality	SCANBSC_EBSC.CNSPRCLD_2	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum

7.4.9 BSC.Siemens.GSM.Extended_eBSC_Processor

Extended eBSC Processor Statistics

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Max_Total_Time_On_Apd1	INTENSITY	FLOAT	Max. total time on APD1	SCANBSC_EBSC_EXTENDED.BSCPRCLD_48	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Apd2	INTENSITY	FLOAT	Max. total time on APD2	SCANBSC_EBSC_EXTENDED.BSCPRCLD_50	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum

Max_Total_Time_On_Apd3	INTENSITY	FLOAT	Max. total time on APD3	SCANBSC_EBSC_EXTENDED.BSCPRCLD_52	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Apd4	INTENSITY	FLOAT	Max. total time on APD4	SCANBSC_EBSC_EXTENDED.BSCPRCLD_54	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Apd5	INTENSITY	FLOAT	Max. total time on APD5	SCANBSC_EBSC_EXTENDED.BSCPRCLD_56	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Apm	INTENSITY	FLOAT	Max. total time on APM	SCANBSC_EBSC_EXTENDED.BSCPRCLD_46	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_total_time_on_ETH0	INTENSITY	FLOAT	Max. total time on ETH0	SCANBSC_EBSC_EXTENDED.BSCPRCLD_92	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh,

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						Sum
Max_total_time_on_ETH1	INTENSITY	FLOAT	Max. total time on ETH1	SCANBSC_EBSC_EXTENDED.BSCPRCLD_94	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_total_time_on_ETH2	INTENSITY	FLOAT	Max. total time on ETH2	SCANBSC_EBSC_EXTENDED.BSCPRCLD_96	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_total_time_on_ETH3	INTENSITY	FLOAT	Max. total time on ETH3	SCANBSC_EBSC_EXTENDED.BSCPRCLD_98	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Liet_0	INTENSITY	FLOAT	Obsolete in BR10; Max. total time on LIET 0	SCANBSC_EBSC_EXTENDED.BSCPRCLD_24	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_total_time_on_LIET_10	INTENSITY	FLOAT	Max. total time on LIET 10	SCANBSC_EBSC_EXTENDED.BSCPRCLD_78	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_total_time	INTENSITY	FLOAT	Max. total time	SCANBSC_EBSC_EXTENDED	Average	Average,

e_on_LIET_11	TY	T	on LIET 11	TENDEDED.BSCPRCLD_80		Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_total_time_on_LIET_12	INTENSITY	FLOAT	Max. total time on LIET 12	SCANBSC_EBSC_EXTENDED.BSCPRCLD_82	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Liet_1	INTENSITY	FLOAT	Obsolete in BR10; Max. total time on LIET 1	SCANBSC_EBSC_EXTENDED.BSCPRCLD_26	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Liet_2	INTENSITY	FLOAT	Max. total time on LIET 2	SCANBSC_EBSC_EXTENDED.BSCPRCLD_66	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Liet_3	INTENSITY	FLOAT	Max. total time on LIET 3	SCANBSC_EBSC_EXTENDED.BSCPRCLD_68	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum

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Max_Total_Time_On_Liet_4	INTENSITY	FLOAT	Max. total time on LIET 4	SCANBSC_EBSC_EXTENDED.BSCPRCLD_70	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Liet_5	INTENSITY	FLOAT	Max. total time on LIET 5	SCANBSC_EBSC_EXTENDED.BSCPRCLD_72	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Liet_6	INTENSITY	FLOAT	Max. total time on LIET 6	SCANBSC_EBSC_EXTENDED.BSCPRCLD_74	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Liet_7	INTENSITY	FLOAT	Max. total time on LIET 7	SCANBSC_EBSC_EXTENDED.BSCPRCLD_76	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Liet_8	INTENSITY	FLOAT	Obsolete in BR10; Max. total time on LIET 8	SCANBSC_EBSC_EXTENDED.BSCPRCLD_40	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Mcp	INTENSITY	FLOAT	Max. total time on MCP	SCANBSC_EBSC_EXTENDED.BSCPRCLD_44	Average	Average, Maximum,

						Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_0	INTENSITY	FLOAT	Max. total time on PCU in slot no. 0	SCANBSC_EBSC_EXTENDED.BSCPRCLD_9	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_10	INTENSITY	FLOAT	Max. total time on PCU in slot no. 10	SCANBSC_EBSC_EXTENDED.BSCPRCLD_39	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_11	INTENSITY	FLOAT	Obsolete in BR10; Max. total time on PCU in slot no. 11	SCANBSC_EBSC_EXTENDED.BSCPRCLD_64	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_12	INTENSITY	FLOAT	Obsolete in BR10; Max. total time on PCU in slot no. 12	SCANBSC_EBSC_EXTENDED.BSCPRCLD_66	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time	INTENSITY	FLOAT	Obsolete in	SCANBSC_EBSC_EXTENDED	Average	Average,

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me_On_PCU_In_Slot_No_13	TY	T	BR10; Max. total time on PCU in slot no. 13	TENDEDED.BSCPRCLD_68		Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_14	INTENSITY	FLOAT	Obsolete in BR10; Max. total time on PCU in slot no. 14	SCANBSC_EBSC_EX TENDEDED.BSCPRCLD_70	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_15	INTENSITY	FLOAT	Obsolete in BR10; Max. total time on PCU in slot no. 15	SCANBSC_EBSC_EX TENDEDED.BSCPRCLD_72	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_16	INTENSITY	FLOAT	Obsolete in BR10; Max. total time on PCU in slot no. 16	SCANBSC_EBSC_EX TENDEDED.BSCPRCLD_74	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_17	INTENSITY	FLOAT	Obsolete in BR10; Max. total time on PCU in slot no. 17	SCANBSC_EBSC_EX TENDEDED.BSCPRCLD_76	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_18	INTENSITY	FLOAT	Obsolete in BR10; Max. total time on PCU in slot no.	SCANBSC_EBSC_EX TENDEDED.BSCPRCLD_78	Average	Average, Maximum, Minimum

			18			m, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_19	INTENSITY	FLOAT	Obsolete in BR10; Max. total time on PCU in slot no. 19	SCANBSC_EBSC_EXTENDED.BSCPRCLD_80	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_1	INTENSITY	FLOAT	Max. total time on PCU in slot no. 1	SCANBSC_EBSC_EXTENDED.BSCPRCLD_12	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_20	INTENSITY	FLOAT	Obsolete in BR10; Max. total time on PCU in slot no. 20	SCANBSC_EBSC_EXTENDED.BSCPRCLD_82	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_21	INTENSITY	FLOAT	Obsolete in BR10; Max. total time on PCU in slot no. 21	SCANBSC_EBSC_EXTENDED.BSCPRCLD_84	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_22	INTENSITY	FLOAT	Obsolete in BR10; Max. total time on PCU in slot no. 22	SCANBSC_EBSC_EXTENDED.BSCPRCLD_86	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum

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In_Slot_No_22			total time on PCU in slot no. 22	86		m, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_23	INTENSITY	FLOAT	Obsolete in BR10; Max. total time on PCU in slot no. 23	SCANBSC_EBSC_EXTENDED.BSCPRCLD_88	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_2	INTENSITY	FLOAT	Max. total time on PCU in slot no. 2	SCANBSC_EBSC_EXTENDED.BSCPRCLD_15	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_3	INTENSITY	FLOAT	Max. total time on PCU in slot no. 3	SCANBSC_EBSC_EXTENDED.BSCPRCLD_18	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_4	INTENSITY	FLOAT	Max. total time on PCU in slot no. 4	SCANBSC_EBSC_EXTENDED.BSCPRCLD_21	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_PCU_In_Slot_No_5	INTENSITY	FLOAT	Max. total time on PCU in slot no. 5	SCANBSC_EBSC_EXTENDED.BSCPRCLD_24	Average	Average, Maximum, Minimum,

						sebpclbh, sebtchbh, Sum
Max_Total_Ti me_On_PCU_ In_Slot_No_6	INTENSI TY	FLOA T	Max. total time on PCU in slot no. 6	SCANBSC_EBSC_EX TENDEDBSCPRCLD_ 27	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Max_Total_Ti me_On_PCU_ In_Slot_No_7	INTENSI TY	FLOA T	Max. total time on PCU in slot no. 7	SCANBSC_EBSC_EX TENDEDBSCPRCLD_ 30	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Max_Total_Ti me_On_PCU_ In_Slot_No_8	INTENSI TY	FLOA T	Max. total time on PCU in slot no. 8	SCANBSC_EBSC_EX TENDEDBSCPRCLD_ 33	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Max_Total_Ti me_On_PCU_ In_Slot_No_9	INTENSI TY	FLOA T	Max. total time on PCU in slot no. 9	SCANBSC_EBSC_EX TENDEDBSCPRCLD_ 36	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Max_Total_Ti me_On_Sdh0	INTENSI TY	FLOA T	Max. total time on SDH0	SCANBSC_EBSC_EX TENDEDBSCPRCLD_ 84	Average	Average, Maximu m,

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						Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Sdh1	INTENSITY	FLOAT	Max. total time on SDH1	SCANBSC_EBSC_EXTENDED.BSCPRCLD_86	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Sdh2	INTENSITY	FLOAT	Max. total time on SDH2	SCANBSC_EBSC_EXTENDED.BSCPRCLD_88	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Sdh3	INTENSITY	FLOAT	Max. total time on SDH3	SCANBSC_EBSC_EXTENDED.BSCPRCLD_90	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Shelf0_Smac0	INTENSITY	FLOAT	Max. total time on SHELF0/SMAC8 or SHELF0/SMAC0	SCANBSC_EBSC_EXTENDED.BSCPRCLD_58	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Shelf0_Smac1	INTENSITY	FLOAT	Max. total time on SHELF0/SMAC9 or SHELF0/SMAC1	SCANBSC_EBSC_EXTENDED.BSCPRCLD_60	Average	Average, Maximum, Minimum, sebpclbh,

						sebtchbh, Sum
Max_Total_Time_On_Shelf1_Smac0	INTENSITY	FLOAT	Max. total time on SHELF1/SMAC0 or SHELF0/SMAC8	SCANBSC_EBSC_EXTENDED.BSCPRCLD_62	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Total_Time_On_Shelf1_Smac1	INTENSITY	FLOAT	Max. total time on SHELF1/SMAC1 or SHELF0/SMAC9	SCANBSC_EBSC_EXTENDED.BSCPRCLD_64	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Apd1	INTENSITY	FLOAT	Total time on APD1	SCANBSC_EBSC_EXTENDED.BSCPRCLD_47	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Apd2	INTENSITY	FLOAT	Total time on APD2	SCANBSC_EBSC_EXTENDED.BSCPRCLD_49	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Apd3	INTENSITY	FLOAT	Total time on APD3	SCANBSC_EBSC_EXTENDED.BSCPRCLD_51	Average	Average, Maximum, Minimum

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						m, sebpclbh, sebtchbh, Sum
Total_Time_On_Apd4	INTENSITY	FLOAT	Total time on APD4	SCANBSC_EBSC_EXTENDED.BSCPRCLD_53	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Apd5	INTENSITY	FLOAT	Total time on APD5	SCANBSC_EBSC_EXTENDED.BSCPRCLD_55	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Apm	INTENSITY	FLOAT	Total time on APM	SCANBSC_EBSC_EXTENDED.BSCPRCLD_45	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_time_on_ETH0	INTENSITY	FLOAT	Total time on ETH0	SCANBSC_EBSC_EXTENDED.BSCPRCLD_91	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_time_on_ETH1	INTENSITY	FLOAT	Total time on ETH1	SCANBSC_EBSC_EXTENDED.BSCPRCLD_93	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh,

						Sum
Total_time_on_ETH2	INTENSITY	FLOAT	Total time on ETH2	SCANBSC_EBSC_EXTENDED.BSCPRCLD_95	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_time_on_ETH3	INTENSITY	FLOAT	Total time on ETH3	SCANBSC_EBSC_EXTENDED.BSCPRCLD_97	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Liet_0	INTENSITY	FLOAT	Obsolete in BR10; Total time on LIET 0	SCANBSC_EBSC_EXTENDED.BSCPRCLD_23	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_time_on_LIET_10	INTENSITY	FLOAT	Total time on LIET 10	SCANBSC_EBSC_EXTENDED.BSCPRCLD_77	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_time_on_LIET_11	INTENSITY	FLOAT	Total time on LIET 11	SCANBSC_EBSC_EXTENDED.BSCPRCLD_79	Average	Average, Maximum, Minimum,

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						sebpclbh, sebtchbh, Sum
Total_time_on _LIET_12	INTENSI TY	FLOA T	Total time on LIET 12	SCANBSC_EBSC_EX TENDEDED.BSCPRCLD_ 81	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Total_Time_O n_Liet_1	INTENSI TY	FLOA T	Obsolete in BR10; Total time on LIET 1	SCANBSC_EBSC_EX TENDEDED.BSCPRCLD_ 25	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Total_Time_O n_Liet_2	INTENSI TY	FLOA T	Total time on LIET 2	SCANBSC_EBSC_EX TENDEDED.BSCPRCLD_ 65	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Total_Time_O n_Liet_3	INTENSI TY	FLOA T	Total time on LIET 3	SCANBSC_EBSC_EX TENDEDED.BSCPRCLD_ 67	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Total_Time_O n_Liet_4	INTENSI TY	FLOA T	Total time on LIET 4	SCANBSC_EBSC_EX TENDEDED.BSCPRCLD_ 69	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum

Total_Time_On_Liet_5	INTENSITY	FLOAT	Total time on LIET 5	SCANBSC_EBSC_EXTENDED.BSCPRCLD_71	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Liet_6	INTENSITY	FLOAT	Total time on LIET 6	SCANBSC_EBSC_EXTENDED.BSCPRCLD_73	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Liet_7	INTENSITY	FLOAT	Total time on LIET 7	SCANBSC_EBSC_EXTENDED.BSCPRCLD_75	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Liet_8	INTENSITY	FLOAT	Obsolete in BR10; Total time on LIET 8	SCANBSC_EBSC_EXTENDED.BSCPRCLD_39	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Mcp	INTENSITY	FLOAT	Total time on MCP	SCANBSC_EBSC_EXTENDED.BSCPRCLD_43	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh,

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n_PCU_In_Slot_No_14	TY	T	BR10; Total time on PCU in slot no. 14	TENDEDED.BSCPRCLD_69		Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_PCU_In_Slot_No_15	INTENSITY	FLOAT	Obsolete in BR10; Total time on PCU in slot no. 15	SCANBSC_EBSC_EXTENDED.BSCPRCLD_71	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_PCU_In_Slot_No_16	INTENSITY	FLOAT	Obsolete in BR10; Total time on PCU in slot no. 16	SCANBSC_EBSC_EXTENDED.BSCPRCLD_73	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_PCU_In_Slot_No_17	INTENSITY	FLOAT	Obsolete in BR10; Total time on PCU in slot no. 17	SCANBSC_EBSC_EXTENDED.BSCPRCLD_75	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_PCU_In_Slot_No_18	INTENSITY	FLOAT	Obsolete in BR10; Total time on PCU in slot no. 18	SCANBSC_EBSC_EXTENDED.BSCPRCLD_77	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum

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Total_Time_On_PCU_In_Slot_No_19	INTENSITY	FLOAT	Obsolete in BR10; Total time on PCU in slot no. 19	SCANBSC_EBSC_EXTENDED.BSCPRCLD_79	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_PCU_In_Slot_No_1	INTENSITY	FLOAT	Total time on PCU in slot no. 1	SCANBSC_EBSC_EXTENDED.BSCPRCLD_11	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_PCU_In_Slot_No_20	INTENSITY	FLOAT	Obsolete in BR10; Total time on PCU in slot no. 20	SCANBSC_EBSC_EXTENDED.BSCPRCLD_81	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_PCU_In_Slot_No_21	INTENSITY	FLOAT	Obsolete in BR10; Total time on PCU in slot no. 21	SCANBSC_EBSC_EXTENDED.BSCPRCLD_83	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_PCU_In_Slot_No_22	INTENSITY	FLOAT	Obsolete in BR10; Total time on PCU in slot no. 22	SCANBSC_EBSC_EXTENDED.BSCPRCLD_85	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_PCU_In_Slot_No_23	INTENSITY	FLOAT	Obsolete in BR10; Total time on PCU in	SCANBSC_EBSC_EXTENDED.BSCPRCLD_87	Average	Average, Maximum,

			slot no. 23			Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_PCU_In_Slot_No_2	INTENSITY	FLOAT	Total time on PCU in slot no. 2	SCANBSC_EBSC_EXTENDED.BSCPRCLD_14	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_PCU_In_Slot_No_3	INTENSITY	FLOAT	Total time on PCU in slot no. 3	SCANBSC_EBSC_EXTENDED.BSCPRCLD_17	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_PCU_In_Slot_No_4	INTENSITY	FLOAT	Total time on PCU in slot no. 4	SCANBSC_EBSC_EXTENDED.BSCPRCLD_20	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_PCU_In_Slot_No_5	INTENSITY	FLOAT	Total time on PCU in slot no. 5	SCANBSC_EBSC_EXTENDED.BSCPRCLD_23	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On	INTENSITY	FLOAT	Total time on	SCANBSC_EBSC_EX	Average	Average,

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n_PCU_In_Slot_No_6	TY	T	PCU in slot no. 6	TENDEDED.BSCPRCLD_26		Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_PCU_In_Slot_No_7	INTENSITY	FLOAT	Total time on PCU in slot no. 7	SCANBSC_EBSC_EXTENDED.BSCPRCLD_29	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_PCU_In_Slot_No_8	INTENSITY	FLOAT	Total time on PCU in slot no. 8	SCANBSC_EBSC_EXTENDED.BSCPRCLD_32	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_PCU_In_Slot_No_9	INTENSITY	FLOAT	Total time on PCU in slot no. 9	SCANBSC_EBSC_EXTENDED.BSCPRCLD_35	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Sdh0	INTENSITY	FLOAT	Total time on SDH0	SCANBSC_EBSC_EXTENDED.BSCPRCLD_83	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Sdh1	INTENSITY	FLOAT	Total time on SDH1	SCANBSC_EBSC_EXTENDED.BSCPRCLD_85	Average	Average, Maximum, Minimum

						m, sebpclbh, sebtchbh, Sum
Total_Time_On_Sdh2	INTENSITY	FLOAT	Total time on SDH2	SCANBSC_EBSC_EXTENDED.BSCPRCLD_87	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Sdh3	INTENSITY	FLOAT	Total time on SDH3	SCANBSC_EBSC_EXTENDED.BSCPRCLD_89	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Shelf0_Smac0	INTENSITY	FLOAT	Total time on SHELF0/SMAC8 or SHELF0/SMAC0	SCANBSC_EBSC_EXTENDED.BSCPRCLD_57	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Shelf0_Smac1	INTENSITY	FLOAT	Total time on SHELF0/SMAC9 or SHELF0/SMAC1	SCANBSC_EBSC_EXTENDED.BSCPRCLD_59	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Shelf1_Smac	INTENSITY	FLOAT	Total time on SHELF1/SMAC	SCANBSC_EBSC_EXTENDED.BSCPRCLD_	Average	Average, Maximum

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c0			0 or SHELF0/SMAC 8	61		m, Minimum, sebpclbh, sebtchbh, Sum
Total_Time_On_Shelfl_Smac1	INTENSITY	FLOAT	Total time on SHELF1/SMAC 1 or SHELF0/SMAC 9	SCANBSC_EBSC_EXTENDED.BSCPRCLD_63	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum

7.4.10 BSC.Siemens.GSM.Handover

Handover Measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
FAILED_INTER_HO	ACCUMULATION	INT8	Total number of handover failures, inter BSC	SCANBSC.NRINHDFL_1	Sum	sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
FAILED_INTRA_HO	ACCUMULATION	INT8	Total number of handover failures, intra BSC	SCANBSC.HOFITABS_1	Sum	sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
REQUESTED_INCOMING_INTERSYSTEM_HANDOVERS	ACCUMULATION	INT8	No of requested incoming intersystem handovers	SCANBSC.RQIISHDO_1	Sum	sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum

Successful_compression_HO	ACCUMULATION	INTEGER	Compression handover from FR/EFR to HR	SCANBSC.SINHOB SC_16	Sum	sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
Successful_decompression_HO	ACCUMULATION	INTEGER	Decompression handover from HR to FR/EFR	SCANBSC.SINHOB SC_17	Sum	sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
SUCCESSFUL_INCOMING_INTERSYSTEM_HANDOVERS	ACCUMULATION	INT8	No of successful incoming intersystem handovers	SCANBSC.SUIISH DO_1	Sum	sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
SUCCESSFUL_INTER_HO_DUE_TO_AMR_FULLRATE	ACCUMULATION	INT8	Successful internal handovers - TCH/F to TCH/H due to AMR	SCANBSC.SINHOB SC_15	Sum	sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
SUCCESSFUL_INTER_HO_DUE_TO_AMR_HALFRATE	ACCUMULATION	INT8	Successful internal handovers - TCH/H to TCH/F due to AMR	SCANBSC.SINHOB SC_14	Sum	sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
SUCCESSFUL_INTER_HO_DUE_TO_BETTER_CONDITIONS	ACCUMULATION	INT8	Successful internal handovers -	SCANBSC.SINHOB SC_6	Sum	sebpdchbh, sebtchbh,

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R_CELL			better cell (power budget related to the neighbour cell)			sebtchfrb h, sebtchhr bh, Sum
SUCCESSFUL_ INTER_HO_D UE_TO_COMP LETE_TO_INN ER_AREA	ACCUMULA TION	INT8	Successful internal handovers - complete to inner area (concentric cells)	SCANBSC.SINHOB SC_9	Sum	sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
SUCCESSFUL_ INTER_HO_D UE_TO_DIREC TED_RETRY	ACCUMULA TION	INT8	Successful internal handovers - directed retry	SCANBSC.SINHOB SC_7	Sum	sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
SUCCESSFUL_ INTER_HO_D UE_TO_DISTA NCE	ACCUMULA TION	INT8	Successful internal handovers - distance	SCANBSC.SINHOB SC_5	Sum	sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
SUCCESSFUL_ INTER_HO_D UE_TO_DOWN LINK_QUALIT Y	ACCUMULA TION	INT8	Successful internal handovers - downlink quality	SCANBSC.SINHOB SC_2	Sum	sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
SUCCESSFUL_ INTER_HO_D UE_TO_DOWN LINK_STRENG TH	ACCUMULA TION	INT8	Successful internal handovers - downlink strength	SCANBSC.SINHOB SC_4	Sum	sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
SUCCESSFUL_ INTER_HO_D	ACCUMULA TION	INT8	Successful internal	SCANBSC.SINHOB SC_11	Sum	sebpdchb h,

UE_TO_FAR_TO_NEAR_AREA			handovers - far to near area (extended cells)			sebtchbh, sebtchfrbh, sebtchhrbh, Sum
SUCCESSFUL_INTER_HO_DUE_TO_FAST_UPLINK	ACCUMULATION	INT8	Successful internal handovers - fast uplink	SCANBSC.SINHOBSC_13	Sum	sebpdcbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
SUCCESSFUL_INTER_HO_DUE_TO_INNER_TO_COMPLETE_AREA	ACCUMULATION	INT8	Successful internal handovers - inner to complete area (concentric cells)	SCANBSC.SINHOBSC_8	Sum	sebpdcbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
SUCCESSFUL_INTER_HO_DUE_TO_NEAR_TO_FAR_AREA	ACCUMULATION	INT8	Successful internal handovers - near to far area (extended cells)	SCANBSC.SINHOBSC_10	Sum	sebpdcbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
SUCCESSFUL_INTER_HO_DUE_TO_OTHERS	ACCUMULATION	INT8	Successful internal handovers - others; DTM forced handover	SCANBSC.SINHOBSC_22	Sum	sebpdcbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
SUCCESSFUL_INTER_HO_DUE_TO_TRAFFIC	ACCUMULATION	INT8	Successful internal handovers - traffic	SCANBSC.SINHOBSC_12	Sum	sebpdcbh, sebtchbh, sebtchfrbh,

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						sebtchhrbh, Sum
SUCCESSFUL_INTER_HO_DUE_TO_UPLINK_QUALITY	ACCUMULATION	INT8	Successful internal handovers - uplink quality	SCANBSC.SINHOBSC_1	Sum	sebpdcbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
SUCCESSFUL_INTER_HO_DUE_TO_UPLINK_STRENGTH	ACCUMULATION	INT8	Successful internal handovers - uplink strength	SCANBSC.SINHOBSC_3	Sum	sebpdcbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
SUCCESSFUL_INTER_HO_from_TCHAFS_to_TCHWFS	ACCUMULATION	INTEGER	Successful Handover from TCH/AFS to TCH/WFS (homing handover)	SCANBSC.SINHOBSC_21	Sum	sebpdcbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
SUCCESSFUL_INTER_HO_from_TCHNHS_to_TCHWFS	ACCUMULATION	INTEGER	Successful Handover from TCH/NHS to TCH/WFS (decompression handover)	SCANBSC.SINHOBSC_19	Sum	sebpdcbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
SUCCESSFUL_INTER_HO_from_TCHWFS_to_TCHAFS	ACCUMULATION	INTEGER	Successful Handover from TCH/WFS to TCH/AFS (robustness handover; switch to narrow band if TFO (tandem free operation) is not possible).	SCANBSC.SINHOBSC_20	Sum	sebpdcbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum

SUCCESSFUL_INTER_HO_from_TCHWFS_to_TCHNHS	ACCUMULATION	INTEGER	Successful Handover from TCH/WFS to TCH/NHS (compression handover; switch to narrow band if TFO (tandem free operation) is not possible);	SCANBSC.SINHOBSC_18	Sum	sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
UNSUCCESSFUL_INCOMING_INTERSYSTEM_HANDOVERS	ACCUMULATION	INT8	No of unsuccessful incoming intersystem handovers	SCANBSC.UNIISHDO_1	Sum	sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum

7.4.11 BSC.Siemens.GSM.Lent_Packet_Data_Terminal

Measurements related to lent PDTs by PCUs.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Max_PDTs_lent_by_PCU0	INTENSITY	INTEGER	Maximum number of PDTs lent by PCU0	SCANBSC.NPDTCONF_2	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Max_PDTs_lent_by_PCU10	INTENSITY	INTEGER	Maximum number of PDTs	SCANBSC.NPDTCONF_32	Average	Average, Maximum

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			lent by PCU10			m, Minimu m, sebpdc hb, sebtch bh, Sum
Max_PDTs_lent_by_PCU11	INTENSITY	INTEGER	Maximum number of PDTs lent by PCU11	SCANBSC.NPDTCONF_35	Average	Average, Maximum, Minimum, sebpdc hb, sebtch bh, Sum
Max_PDTs_lent_by_PCU1	INTENSITY	INTEGER	Maximum number of PDTs lent by PCU1	SCANBSC.NPDTCONF_5	Average	Average, Maximum, Minimum, sebpdc hb, sebtch bh, Sum
Max_PDTs_lent_by_PCU2	INTENSITY	INTEGER	Maximum number of PDTs lent by PCU2	SCANBSC.NPDTCONF_8	Average	Average, Maximum, Minimum, sebpdc hb, sebtch bh, Sum
Max_PDTs_lent_by_PCU3	INTENSITY	INTEGER	Maximum number of PDTs lent by PCU3	SCANBSC.NPDTCONF_11	Average	Average, Maximum, Minimum, sebpdc hb, sebtch bh, Sum

Max_PDTs_lent_by_PCU4	INTENSITY	INTEGER	Maximum number of PDTs lent by PCU4	SCANBSC.NPDTCONF_14	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Max_PDTs_lent_by_PCU5	INTENSITY	INTEGER	Maximum number of PDTs lent by PCU5	SCANBSC.NPDTCONF_17	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Max_PDTs_lent_by_PCU6	INTENSITY	INTEGER	Maximum number of PDTs lent by PCU6	SCANBSC.NPDTCONF_20	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Max_PDTs_lent_by_PCU7	INTENSITY	INTEGER	Maximum number of PDTs lent by PCU7	SCANBSC.NPDTCONF_23	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Max_PDTs_lent_by_PCU8	INTENSITY	INTEGER	Maximum number of PDTs lent by PCU8	SCANBSC.NPDTCONF_26	Average	Average, Maximum,

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						Minimum, sebpdchbh, sebtchbh, Sum
Max_PDTs_lent_by_PCU9	INTENSITY	INTEGER	Maximum number of PDTs lent by PCU9	SCANBSC.NPDTCONF_29	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Mean_PDTs_lent_by_PCU0	INTENSITY	FLOAT	Mean number of PDTs lent by PCU0	SCANBSC.NPDTCONF_3	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Mean_PDTs_lent_by_PCU10	INTENSITY	FLOAT	Mean number of PDTs lent by PCU10	SCANBSC.NPDTCONF_33	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Mean_PDTs_lent_by_PCU11	INTENSITY	FLOAT	Mean number of PDTs lent by PCU11	SCANBSC.NPDTCONF_36	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Mean_PDTs_lent_by_PCU1	INTENSITY	FLOAT	Mean number of PDTs lent by PCU1	SCANBSC.NPDTCONF_3	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum

ent_by_PCU1	TY	T	PDTs lent by PCU1	F_6		Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Mean_PDTs_lent_by_PCU2	INTENSITY	FLOAT	Mean number of PDTs lent by PCU2	SCANBSC.NPDTCONF_9	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Mean_PDTs_lent_by_PCU3	INTENSITY	FLOAT	Mean number of PDTs lent by PCU3	SCANBSC.NPDTCONF_12	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Mean_PDTs_lent_by_PCU4	INTENSITY	FLOAT	Mean number of PDTs lent by PCU4	SCANBSC.NPDTCONF_15	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Mean_PDTs_lent_by_PCU5	INTENSITY	FLOAT	Mean number of PDTs lent by PCU5	SCANBSC.NPDTCONF_18	Average	Average, Maximum, Minimum

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						m, sebpdchbh, sebtchbh, Sum
Mean_PDTs_lent_by_PCU6	INTENSITY	FLOAT	Mean number of PDTs lent by PCU6	SCANBSC.NPDTCONF_21	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Mean_PDTs_lent_by_PCU7	INTENSITY	FLOAT	Mean number of PDTs lent by PCU7	SCANBSC.NPDTCONF_24	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Mean_PDTs_lent_by_PCU8	INTENSITY	FLOAT	Mean number of PDTs lent by PCU8	SCANBSC.NPDTCONF_27	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Mean_PDTs_lent_by_PCU9	INTENSITY	FLOAT	Mean number of PDTs lent by PCU9	SCANBSC.NPDTCONF_30	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Min_PDTs_lent_by_PCU0	INTENSITY	INTEGER	Minimum number of PDTs	SCANBSC.NPDTCONF_1	Average	Average, Maximum

			lent by PCU0			m, Minimu m, sebpdchb h, sebtchbh, Sum
Min_PDTs_le nt_by_PCU10	INTENSI TY	INTEG ER	Minimum number of PDTs lent by PCU10	SCANBSC.NPDTCON F_31	Average	Average, Maximu m, Minimu m, sebpdchb h, sebtchbh, Sum
Min_PDTs_le nt_by_PCU11	INTENSI TY	INTEG ER	Minimum number of PDTs lent by PCU11	SCANBSC.NPDTCON F_34	Average	Average, Maximu m, Minimu m, sebpdchb h, sebtchbh, Sum
Min_PDTs_le nt_by_PCU1	INTENSI TY	INTEG ER	Minimum number of PDTs lent by PCU1	SCANBSC.NPDTCON F_4	Average	Average, Maximu m, Minimu m, sebpdchb h, sebtchbh, Sum
Min_PDTs_le nt_by_PCU2	INTENSI TY	INTEG ER	Minimum number of PDTs lent by PCU2	SCANBSC.NPDTCON F_7	Average	Average, Maximu m, Minimu m,

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						sebpdchbh, sebtchbh, Sum
Min_PDTs_lent_by_PCU3	INTENSITY	INTEGER	Minimum number of PDTs lent by PCU3	SCANBSC.NPDTCONF_10	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Min_PDTs_lent_by_PCU4	INTENSITY	INTEGER	Minimum number of PDTs lent by PCU4	SCANBSC.NPDTCONF_13	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Min_PDTs_lent_by_PCU5	INTENSITY	INTEGER	Minimum number of PDTs lent by PCU5	SCANBSC.NPDTCONF_16	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Min_PDTs_lent_by_PCU6	INTENSITY	INTEGER	Minimum number of PDTs lent by PCU6	SCANBSC.NPDTCONF_19	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Min_PDTs_lent_by_PCU7	INTENSITY	INTEGER	Minimum number of PDTs lent by PCU7	SCANBSC.NPDTCONF_22	Average	Average, Maximum,

						Minimum, sebpdchbh, sebtchbh, Sum
Min_PDTs_lent_by_PCU8	INTENSITY	INTEGER	Minimum number of PDTs lent by PCU8	SCANBSC.NPDTCONF_25	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum
Min_PDTs_lent_by_PCU9	INTENSITY	INTEGER	Minimum number of PDTs lent by PCU9	SCANBSC.NPDTCONF_28	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, Sum

7.4.12 BSC.Siemens.GSM.Location_Requests

Location Request procedure measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Abnormal_Condition_Lorq_Due_To_Congestion	ACCUMULATION	INTEGER	Number of Abnormal Condition Location Requests due to Congestion	SCANBSC.ABCLOC RQ_9	Sum	sebpclbh, sebtchbh, Sum
Abnormal_Co	ACCUMULATION	INTEGER	Number of	SCANBSC.ABCLOC	Sum	sebpclbh,

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Abnormal_Condition_Lorq_Due_To_Gprs_Applicable_	ACCUMULATION	INTEGER	Abnormal Condition Location Requests due to GPRS applicable	RQ_3		sebtchbh, Sum
Abnormal_Condition_Lorq_Due_To_Inter_Bsc_Ho_Ongoing	ACCUMULATION	INTEGER	Number of Abnormal Condition Location Requests due to Inter-BSC handover ongoing	SCANBSC.ABCLOC RQ_7	Sum	sebpclbh, sebtchbh, Sum
Abnormal_Condition_Lorq_Due_To_Intra_Bsc_Ho_Complete	ACCUMULATION	INTEGER	Number of Abnormal Condition Location Requests due to Intra-BSC handover complete	SCANBSC.ABCLOC RQ_8	Sum	sebpclbh, sebtchbh, Sum
Abnormal_Condition_Lorq_Due_To_Location_Request_Aborted	ACCUMULATION	INTEGER	Number of Abnormal Condition Location Requests due to Location request aborted	SCANBSC.ABCLOC RQ_6	Sum	sebpclbh, sebtchbh, Sum
Abnormal_Condition_Lorq_Due_To_Position_Method_Failure	ACCUMULATION	INTEGER	Number of Abnormal Condition Location Requests due to Position method failure	SCANBSC.ABCLOC RQ_4	Sum	sebpclbh, sebtchbh, Sum
Abnormal_Condition_Lorq_Due_To_Protocol_Data_Error	ACCUMULATION	INTEGER	Number of Abnormal Condition Location Requests due to Protocol	SCANBSC.ABCLOC RQ_1	Sum	sebpclbh, sebtchbh, Sum

			data error			
Abnormal_Condition_Lorq_Due_To_System_Internal_Failure	ACCUMULATION	INTEGER	Number of Abnormal Condition Location Requests due to System internal failure	SCANBSC.ABCLOC RQ_2	Sum	sebpclbh, sebtchbh, Sum
Abnormal_Condition_Lorq_Due_To_Target_Ms_Unreachable	ACCUMULATION	INTEGER	Number of Abnormal Condition Location Requests due to Target MS unreachable	SCANBSC.ABCLOC RQ_5	Sum	sebpclbh, sebtchbh, Sum
Attempted_Lorq_Assisted_Gps_Positioning_Method	ACCUMULATION	INTEGER	Number of Attempted Location Requests-Assisted GPS (A-GPS; positioning method)	SCANBSC.ATTLOC RQ_4	Sum	sebpclbh, sebtchbh, Sum
Attempted_Lorq_Current_Geographic_Location	ACCUMULATION	INTEGER	Number of Attempted Location Requests-Current geographic location (location information)	SCANBSC.ATTLOC RQ_1	Sum	sebpclbh, sebtchbh, Sum
Attempted_Lorq_Deciphering_Keys_Target_Ms	ACCUMULATION	INTEGER	Number of Attempted Location Requests-Deciphering	SCANBSC.ATTLOC RQ_3	Sum	sebpclbh, sebtchbh, Sum

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			keys for broadcast assistance data for the target MS (location information)			
Attempted_Location_Information_For_The_Target_Ms	ACCUMULATION	INTEGER	Number of Attempted Location Requests-Location assistance information for the target MS (location information)	SCANBSC.ATTLOC_RQ_2	Sum	sebpclbh, sebtchbh, Sum
Succ_Operation_Lorps	ACCUMULATION	INTEGER	Number of Successful Operation Location Responses	SCANBSC.SUCLOC_RS_1	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Operation_Lorp_Due_To_Congestion	ACCUMULATION	INTEGER	Number of Unsuccessful Operation Location Response due to Congestion	SCANBSC.UNSLOC_RS_9	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Operation_Lorp_Due_To_Gprs_Applicable_	ACCUMULATION	INTEGER	Number of Unsuccessful Operation Location Response due to GPRS applicable	SCANBSC.UNSLOC_RS_3	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Operation_Lorp_Due_To_Inter_Bsc_Ho_Ongoing	ACCUMULATION	INTEGER	Number of Unsuccessful Operation Location Response due to Inter-BSC handover ongoing	SCANBSC.UNSLOC_RS_7	Sum	sebpclbh, sebtchbh, Sum

UnSucc_Operation_Lorp_Due_To_Intra_Bsc_Ho_Complete	ACCUMULATION	INTEGER	Number of Unsuccessful Operation Location Response due to Intra-BSC handover complete	SCANBSC.UNSLOC RS_8	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Operation_Lorp_Due_To_Location_Request_Aborted	ACCUMULATION	INTEGER	Number of Unsuccessful Operation Location Response due to Location request aborted	SCANBSC.UNSLOC RS_6	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Operation_Lorp_Due_To_Position_Method_Failure	ACCUMULATION	INTEGER	Number of Unsuccessful Operation Location Response due to Position method failure	SCANBSC.UNSLOC RS_4	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Operation_Lorp_Due_To_Protocol_Data_Error	ACCUMULATION	INTEGER	Number of Unsuccessful Operation Location Response due to Protocol data error	SCANBSC.UNSLOC RS_1	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Operation_Lorp_Due_To_System_Internal_Failure	ACCUMULATION	INTEGER	Number of Unsuccessful Operation Location Response due to System internal failure	SCANBSC.UNSLOC RS_2	Sum	sebpclbh, sebtchbh, Sum

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UnSucc_Operation_Lorp_Due_To_Target_Ms_Unreachable	ACCUMULATION	INTEGER	Number of Unsuccessful Operation Location Response due to Target MS unreachable	SCANBSC.UNSLOC RS_5	Sum	sebpclbh, sebtchbh, Sum
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7.4.13 BSC.Siemens.GSM.LOR_per_Positioning

Location Request Procedure per positioning method

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Attempted_Lorq_Conventional_Gps	ACCUMULATION	INTEGER	Number of Attempted Usage Location Requests per Positioning Method - Conventional GPS	SCANBSC.ATTLOC RP_6	Sum	sebpclbh, sebtchbh, Sum
Attempted_Lorq_Mobile_Assisted_Eotd	ACCUMULATION	INTEGER	Number of Attempted Usage Location Requests per Positioning Method - Mobile assisted enhanced observed time difference	SCANBSC.ATTLOC RP_2	Sum	sebpclbh, sebtchbh, Sum
Attempted_Lorq_Mobile_Assisted_Gps_A_Gps	ACCUMULATION	INTEGER	Number of Attempted Usage Location Requests per Positioning Method - Mobile	SCANBSC.ATTLOC RP_4	Sum	sebpclbh, sebtchbh, Sum

			assisted GPS (A-GPS)			
Attempted_Lo rq_Mobile_Ba sed_Eotd	ACCUMULA TION	INTEG ER	Number of Attempted Usage Location Requests per Positioning Method - Mobile based E-OTD	SCANBSC.ATTLOC RP_3	Sum	sebpclbh, sebtchbh, Sum
Attempted_Lo rq_Mobile_Ba sed_Gps	ACCUMULA TION	INTEG ER	Number of Attempted Usage Location Requests per Positioning Method - Mobile based GPS	SCANBSC.ATTLOC RP_5	Sum	sebpclbh, sebtchbh, Sum
Attempted_Lo rq_Timing_Ad vance_Ta	ACCUMULA TION	INTEG ER	Number of Attempted Usage Location Requests per Positioning Method - Timing advance (TA)	SCANBSC.ATTLOC RP_1	Sum	sebpclbh, sebtchbh, Sum
Attempted_Lo rq_Uplink_Ti me_Difference _Of_Arrival_ U_Tdoa	ACCUMULA TION	INTEG ER	Number of Attempted Usage Location Requests per Positioning Method - Uplink - time difference of arrival (U-	SCANBSC.ATTLOC RP_7	Sum	sebpclbh, sebtchbh, Sum

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			TDOA)			
UnSucc_Attempted_Lorq_Conventional_Gps	ACCUMULATION	INTEGER	Number of Unsuccessful Attempted usage Location Requests per Positioning Method - Conventional GPS	SCANBSC.UATTLO CP_6	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Attempted_Lorq_Mobile_Agps	ACCUMULATION	INTEGER	Number of Unsuccessful Attempted usage Location Requests per Positioning Method - Mobile assisted GPS (A-GPS)	SCANBSC.UATTLO CP_4	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Attempted_Lorq_Mobile_Assisted_Eotd	ACCUMULATION	INTEGER	Number of Unsuccessful Attempted usage Location Requests per Positioning Method - Mobile assisted enhanced observed time difference	SCANBSC.UATTLO CP_2	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Attempted_Lorq_Mobile_Based_E_Otd	ACCUMULATION	INTEGER	Number of Unsuccessful Attempted usage Location Requests per Positioning Method -	SCANBSC.UATTLO CP_3	Sum	sebpclbh, sebtchbh, Sum

			Mobile based E-OTD			
UnSucc_Attempted_Lorq_Mobile_Based_Gps	ACCUMULATION	INTEGER	Number of Unsuccessful Attempted usage Location Requests per Positioning Method - Mobile based GPS	SCANBSC.UATTLO CP_5	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Attempted_Lorq_Timing_Advance_Ta	ACCUMULATION	INTEGER	Number of Unsuccessful Attempted usage Location Requests per Positioning Method - Timing advance (TA)	SCANBSC.UATTLO CP_1	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Attempted_Lorq_Uplink_Time_Difference_Of_Arrival_U_Tdoa	ACCUMULATION	INTEGER	Number of Unsuccessful Attempted usage Location Requests per Positioning Method - Uplink - time difference of arrival (U-TDOA)	SCANBSC.UATTLO CP_7	Sum	sebpclbh, sebtchbh, Sum

7.4.14 BSC.Siemens.GSM.Paging_BSC

Pagings on A interface and Gb interface.

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KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Received_Paging_messages_on_A_interface	ACCUMULATION	INT8	Number of paging messages received on the A interface	SCANBSC.NUPAGAGB_1	Sum	sebtchbh, sebtchfrbh, sebtchhrbh, Sum
Received_Paging_messages_on_Gb_interface	ACCUMULATION	INT8	Number of paging messages received on the Gb interface	SCANBSC.NUPAGAGB_2	Sum	sebtchbh, sebtchfrbh, sebtchhrbh, Sum

7.4.15 BSC.Siemens.GSM.PDCH_BSC1

Provides the number of used PDTs per PCU

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Max_Activated_PDCH_PCU0	INTENSITY	INTEGER	Max number of used PDT of PCU in slot no.0	SCANBSC.NPDTPCU_2	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated_PDCH_PCU1_0	INTENSITY	INTEGER	Max number of used PDT of PCU in slot no.10	SCANBSC.NPDTPCU_32	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated_PDCH_PCU1_1	INTENSITY	INTEGER	Max number of used PDT of PCU in slot no.11	SCANBSC.NPDTPCU_35	Average	Average, Maximum, Minimum,

						sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU1	INTENSI TY	INTEG ER	Max number of used PDT of PCU in slot no.1	SCANBSC.NPDTPCU _5	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU2	INTENSI TY	INTEG ER	Max number of used PDT of PCU in slot no.2	SCANBSC.NPDTPCU _8	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU3	INTENSI TY	INTEG ER	Max number of used PDT of PCU in slot no.3	SCANBSC.NPDTPCU _11	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU4	INTENSI TY	INTEG ER	Max number of used PDT of PCU in slot no.4	SCANBSC.NPDTPCU _14	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU5	INTENSI TY	INTEG ER	Max number of used PDT of PCU in slot	SCANBSC.NPDTPCU _17	Average	Average, Maximum,

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			no.5			Minimum, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU6	INTENSITY	INTEGER	Max number of used PDT of PCU in slot no.6	SCANBSC.NPDTPCU _20	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU7	INTENSITY	INTEGER	Max number of used PDT of PCU in slot no.7	SCANBSC.NPDTPCU _23	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU8	INTENSITY	INTEGER	Max number of used PDT of PCU in slot no.8	SCANBSC.NPDTPCU _26	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU9	INTENSITY	INTEGER	Max number of used PDT of PCU in slot no.9	SCANBSC.NPDTPCU _29	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated _PDCH_PCU 0	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.0	SCANBSC.NPDTPCU _3	Average	Average, Maximum, Minimum, sebpclbh,

						sebtchbh, Sum
Mean_Activated_PDCH_PCU 10	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.10	SCANBSC.NPDTPCU _33	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU 11	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.11	SCANBSC.NPDTPCU _36	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU 1	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.1	SCANBSC.NPDTPCU _6	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU 2	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.2	SCANBSC.NPDTPCU _9	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU 3	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.3	SCANBSC.NPDTPCU _12	Average	Average, Maximum, Minimum

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						m, sebpclbh, sebtchbh, Sum
Mean_Activate d_PDCH_PCU 4	INTENSI TY	FLOA T	Mean number of used PDT of PCU in slot no.4	SCANBSC.NPDTPCU _15	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Mean_Activate d_PDCH_PCU 5	INTENSI TY	FLOA T	Mean number of used PDT of PCU in slot no.5	SCANBSC.NPDTPCU _18	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Mean_Activate d_PDCH_PCU 6	INTENSI TY	FLOA T	Mean number of used PDT of PCU in slot no.6	SCANBSC.NPDTPCU _21	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Mean_Activate d_PDCH_PCU 7	INTENSI TY	FLOA T	Mean number of used PDT of PCU in slot no.7	SCANBSC.NPDTPCU _24	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Mean_Activate d_PDCH_PCU 8	INTENSI TY	FLOA T	Mean number of used PDT of PCU in slot no.8	SCANBSC.NPDTPCU _27	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh,

						Sum
Mean_Activated_PDCH_PCU9	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.9	SCANBSC.NPDTPCU_30	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated_PDCH_PCU0	INTENSITY	INTEGER	Min number of used PDT of PCU in slot no.0	SCANBSC.NPDTPCU_1	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated_PDCH_PCU10	INTENSITY	INTEGER	Min number of used PDT of PCU in slot no.10	SCANBSC.NPDTPCU_31	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated_PDCH_PCU11	INTENSITY	INTEGER	Min number of used PDT of PCU in slot no.11	SCANBSC.NPDTPCU_34	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated_PDCH_PCU1	INTENSITY	INTEGER	Min number of used PDT of PCU in slot no.1	SCANBSC.NPDTPCU_4	Average	Average, Maximum, Minimum,

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						sebpclbh, sebtchbh, Sum
Min_Activated _PDCH_PCU2	INTENSI TY	INTEG ER	Min number of used PDT of PCU in slot no.2	SCANBSC.NPDTPCU _7	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Min_Activated _PDCH_PCU3	INTENSI TY	INTEG ER	Min number of used PDT of PCU in slot no.3	SCANBSC.NPDTPCU _10	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Min_Activated _PDCH_PCU4	INTENSI TY	INTEG ER	Min number of used PDT of PCU in slot no.4	SCANBSC.NPDTPCU _13	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Min_Activated _PDCH_PCU5	INTENSI TY	INTEG ER	Min number of used PDT of PCU in slot no.5	SCANBSC.NPDTPCU _16	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Min_Activated _PDCH_PCU6	INTENSI TY	INTEG ER	Min number of used PDT of PCU in slot no.6	SCANBSC.NPDTPCU _19	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum

Min_Activated_PDCH_PCU7	INTENSITY	INTEGER	Min number of used PDT of PCU in slot no.7	SCANBSC.NPDTPCU_22	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated_PDCH_PCU8	INTENSITY	INTEGER	Min number of used PDT of PCU in slot no.8	SCANBSC.NPDTPCU_25	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated_PDCH_PCU9	INTENSITY	INTEGER	Min number of used PDT of PCU in slot no.9	SCANBSC.NPDTPCU_28	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum

7.4.16 BSC.Siemens.GSM.PDCH_eBSC_Basic

Provides the number of used PDTs per PCU

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Max_Activated_PDCH_PCU0	INTENSITY	INTEGER	Max number of used PDT of PCU in slot no.0	SCANBSC.NPDTPCU_2	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh,

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						Sum
Max_Activated_PDCH_PCU1	INTENSITY	INTEGER	Max number of used PDT of PCU in slot no.1	SCANBSC.NPDTPCU_5	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated_PDCH_PCU2	INTENSITY	INTEGER	Max number of used PDT of PCU in slot no.2	SCANBSC.NPDTPCU_8	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated_PDCH_PCU3	INTENSITY	INTEGER	Max number of used PDT of PCU in slot no.3	SCANBSC.NPDTPCU_11	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated_PDCH_PCU4	INTENSITY	INTEGER	Max number of used PDT of PCU in slot no.4	SCANBSC.NPDTPCU_14	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated_PDCH_PCU5	INTENSITY	INTEGER	Max number of used PDT of PCU in slot no.5	SCANBSC.NPDTPCU_17	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated	INTENSITY	INTEGER	Max number of	SCANBSC.NPDTPCU	Average	Average,

_PDCH_PCU6	TY	ER	used PDT of PCU in slot no.6	_20		Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated_PDCH_PCU7	INTENSITY	INTEGER	Max number of used PDT of PCU in slot no.7	SCANBSC.NPDTPCU_23	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated_PDCH_PCU8	INTENSITY	INTEGER	Max number of used PDT of PCU in slot no.8	SCANBSC.NPDTPCU_26	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated_PDCH_PCU9	INTENSITY	INTEGER	Max number of used PDT of PCU in slot no.9	SCANBSC.NPDTPCU_29	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU0	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.0	SCANBSC.NPDTPCU_3	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum

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Mean_Activated_PDCH_PCU 1	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.1	SCANBSC.NPDTPCU _6	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU 2	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.2	SCANBSC.NPDTPCU _9	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU 3	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.3	SCANBSC.NPDTPCU _12	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU 4	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.4	SCANBSC.NPDTPCU _15	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU 5	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.5	SCANBSC.NPDTPCU _18	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU 6	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot	SCANBSC.NPDTPCU _21	Average	Average, Maximum,

			no.6			Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU 7	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.7	SCANBSC.NPDTPCU _24	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU 8	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.8	SCANBSC.NPDTPCU _27	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU 9	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.9	SCANBSC.NPDTPCU _30	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated_PDCH_PCU0	INTENSITY	INTEGER	Min number of used PDT of PCU in slot no.0	SCANBSC.NPDTPCU _1	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated	INTENSITY	INTEGER	Min number of	SCANBSC.NPDTPCU	Average	Average,

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_PDCH_PCU1	TY	ER	used PDT of PCU in slot no.1	_4		Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated_PDCH_PCU2	INTENSITY	INTEGER	Min number of used PDT of PCU in slot no.2	SCANBSC.NPDTPCU_7	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated_PDCH_PCU3	INTENSITY	INTEGER	Min number of used PDT of PCU in slot no.3	SCANBSC.NPDTPCU_10	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated_PDCH_PCU4	INTENSITY	INTEGER	Min number of used PDT of PCU in slot no.4	SCANBSC.NPDTPCU_13	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated_PDCH_PCU5	INTENSITY	INTEGER	Min number of used PDT of PCU in slot no.5	SCANBSC.NPDTPCU_16	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated_PDCH_PCU6	INTENSITY	INTEGER	Min number of used PDT of PCU in slot no.6	SCANBSC.NPDTPCU_19	Average	Average, Maximum, Minimum

						m, sebpclbh, sebtchbh, Sum
Min_Activated _PDCH_PCU7	INTENSI TY	INTEG ER	Min number of used PDT of PCU in slot no.7	SCANBSC.NPDTPCU _22	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Min_Activated _PDCH_PCU8	INTENSI TY	INTEG ER	Min number of used PDT of PCU in slot no.8	SCANBSC.NPDTPCU _25	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Min_Activated _PDCH_PCU9	INTENSI TY	INTEG ER	Min number of used PDT of PCU in slot no.9	SCANBSC.NPDTPCU _28	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum

7.4.17 BSC.Siemens.GSM.PDCH_eBSC_Highcap

Provides the number of used PDTs per PCU

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Max_Activated _PDCH_PCU0	INTENSI TY	INTEG ER	Max number of used PDT of PCU in slot	SCANBSC.NPDTPCU _2	Average	Average, Maximu m,

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			no.0			Minimum, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU1 _0	INTENSITY	INTEGER	Obsolete in BR10; Max number of used PDT of PCU in slot no.10	SCANBSC.NPDTPCU _32	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU1 _1	INTENSITY	INTEGER	Obsolete in BR10; Max number of used PDT of PCU in slot no.11	SCANBSC.NPDTPCU _35	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU1 _2	INTENSITY	INTEGER	Obsolete in BR10; Max number of used PDT of PCU in slot no.12	SCANBSC.NPDTPCU _38	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU1 _3	INTENSITY	INTEGER	Obsolete in BR10; Max number of used PDT of PCU in slot no.13	SCANBSC.NPDTPCU _41	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU1 _4	INTENSITY	INTEGER	Obsolete in BR10; Max number of used PDT of PCU in slot no.14	SCANBSC.NPDTPCU _44	Average	Average, Maximum, Minimum, sebpclbh,

						sebtchbh, Sum
Max_Activated _PDCH_PCU1 5	INTENSI TY	INTEG ER	Obsolete in BR10; Max number of used PDT of PCU in slot no.15	SCANBSC.NPDTPCU _47	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU1 6	INTENSI TY	INTEG ER	Obsolete in BR10; Max number of used PDT of PCU in slot no.16	SCANBSC.NPDTPCU _50	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU1 7	INTENSI TY	INTEG ER	Obsolete in BR10; Max number of used PDT of PCU in slot no.17	SCANBSC.NPDTPCU _53	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU1 8	INTENSI TY	INTEG ER	Obsolete in BR10; Max number of used PDT of PCU in slot no.18	SCANBSC.NPDTPCU _56	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU1 9	INTENSI TY	INTEG ER	Obsolete in BR10; Max number of used PDT of PCU in	SCANBSC.NPDTPCU _59	Average	Average, Maximum, Minimum

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			slot no.19			m, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU1	INTENSI TY	INTEG ER	Max number of used PDT of PCU in slot no.1	SCANBSC.NPDTPCU _5	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU2 0	INTENSI TY	INTEG ER	Obsolete in BR10; Max number of used PDT of PCU in slot no.20	SCANBSC.NPDTPCU _62	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU2 1	INTENSI TY	INTEG ER	Obsolete in BR10; Max number of used PDT of PCU in slot no.21	SCANBSC.NPDTPCU _65	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU2 2	INTENSI TY	INTEG ER	Obsolete in BR10; Max number of used PDT of PCU in slot no.22	SCANBSC.NPDTPCU _68	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU2 3	INTENSI TY	INTEG ER	Obsolete in BR10; Max number of used PDT of PCU in slot no.23	SCANBSC.NPDTPCU _71	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh,

						Sum
Max_Activated_PDCH_PCU2	INTENSITY	INTEGER	Max number of used PDT of PCU in slot no.2	SCANBSC.NPDTPCU_8	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated_PDCH_PCU3	INTENSITY	INTEGER	Max number of used PDT of PCU in slot no.3	SCANBSC.NPDTPCU_11	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated_PDCH_PCU4	INTENSITY	INTEGER	Max number of used PDT of PCU in slot no.4	SCANBSC.NPDTPCU_14	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated_PDCH_PCU5	INTENSITY	INTEGER	Max number of used PDT of PCU in slot no.5	SCANBSC.NPDTPCU_17	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Max_Activated_PDCH_PCU6	INTENSITY	INTEGER	Max number of used PDT of PCU in slot no.6	SCANBSC.NPDTPCU_20	Average	Average, Maximum, Minimum,

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						sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU7	INTENSI TY	INTEG ER	Max number of used PDT of PCU in slot no.7	SCANBSC.NPDTPCU _23	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU8	INTENSI TY	INTEG ER	Max number of used PDT of PCU in slot no.8	SCANBSC.NPDTPCU _26	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Max_Activated _PDCH_PCU9	INTENSI TY	INTEG ER	Max number of used PDT of PCU in slot no.9	SCANBSC.NPDTPCU _29	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Mean_Activate d_PDCH_PCU 0	INTENSI TY	FLOA T	Mean number of used PDT of PCU in slot no.0	SCANBSC.NPDTPCU _3	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Mean_Activate d_PDCH_PCU 10	INTENSI TY	FLOA T	Obsolete in BR10; Mean number of used PDT of PCU in slot no.10	SCANBSC.NPDTPCU _33	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum

Mean_Activated_PDCH_PCU_11	INTENSITY	FLOAT	Obsolete in BR10; Mean number of used PDT of PCU in slot no.11	SCANBSC.NPDTPCU_36	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU_12	INTENSITY	FLOAT	Obsolete in BR10; Mean number of used PDT of PCU in slot no.12	SCANBSC.NPDTPCU_39	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU_13	INTENSITY	FLOAT	Obsolete in BR10; Mean number of used PDT of PCU in slot no.13	SCANBSC.NPDTPCU_42	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU_14	INTENSITY	FLOAT	Obsolete in BR10; Mean number of used PDT of PCU in slot no.14	SCANBSC.NPDTPCU_45	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU_15	INTENSITY	FLOAT	Obsolete in BR10; Mean number of used PDT of PCU in slot no.15	SCANBSC.NPDTPCU_48	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum

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						Sum
Mean_Activated_PDCH_PCU 16	INTENSITY	FLOAT	Obsolete in BR10; Mean number of used PDT of PCU in slot no.16	SCANBSC.NPDTPCU_51	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU 17	INTENSITY	FLOAT	Obsolete in BR10; Mean number of used PDT of PCU in slot no.17	SCANBSC.NPDTPCU_54	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU 18	INTENSITY	FLOAT	Obsolete in BR10; Mean number of used PDT of PCU in slot no.18	SCANBSC.NPDTPCU_57	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU 19	INTENSITY	FLOAT	Obsolete in BR10; Mean number of used PDT of PCU in slot no.19	SCANBSC.NPDTPCU_60	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU 1	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.1	SCANBSC.NPDTPCU_6	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activate	INTENSI	FLOA	Obsolete in	SCANBSC.NPDTPCU	Average	Average,

d_PDCH_PCU 20	TY	T	BR10; Mean number of used PDT of PCU in slot no.20	_63		Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activate d_PDCH_PCU 21	INTENSITY	FLOAT	Obsolete in BR10; Mean number of used PDT of PCU in slot no.21	SCANBSC.NPDTPCU _66	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activate d_PDCH_PCU 22	INTENSITY	FLOAT	Obsolete in BR10; Mean number of used PDT of PCU in slot no.22	SCANBSC.NPDTPCU _69	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activate d_PDCH_PCU 23	INTENSITY	FLOAT	Obsolete in BR10; Mean number of used PDT of PCU in slot no.23	SCANBSC.NPDTPCU _72	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activate d_PDCH_PCU 2	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.2	SCANBSC.NPDTPCU _9	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum

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Mean_Activated_PDCH_PCU 3	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.3	SCANBSC.NPDTPCU _12	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU 4	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.4	SCANBSC.NPDTPCU _15	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU 5	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.5	SCANBSC.NPDTPCU _18	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU 6	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.6	SCANBSC.NPDTPCU _21	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU 7	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.7	SCANBSC.NPDTPCU _24	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU 8	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot	SCANBSC.NPDTPCU _27	Average	Average, Maximum,

			no.8			Minimum, sebpclbh, sebtchbh, Sum
Mean_Activated_PDCH_PCU9	INTENSITY	FLOAT	Mean number of used PDT of PCU in slot no.9	SCANBSC.NPDTPCU_30	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated_PDCH_PCU0	INTENSITY	INTEGER	Min number of used PDT of PCU in slot no.0	SCANBSC.NPDTPCU_1	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated_PDCH_PCU10	INTENSITY	INTEGER	Obsolete in BR10; Min number of used PDT of PCU in slot no.10	SCANBSC.NPDTPCU_31	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated_PDCH_PCU11	INTENSITY	INTEGER	Obsolete in BR10; Min number of used PDT of PCU in slot no.11	SCANBSC.NPDTPCU_34	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated	INTENSITY	INTEGER	Obsolete in	SCANBSC.NPDTPCU	Average	Average,

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<u>2</u> _PDCH_PCU1	TY	ER	BR10; Min number of used PDT of PCU in slot no.12	<u>37</u>		Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated <u>3</u> _PDCH_PCU1	INTENSITY	INTEGER	Obsolete in BR10; Min number of used PDT of PCU in slot no.13	SCANBSC.NPDTPCU <u>40</u>	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated <u>4</u> _PDCH_PCU1	INTENSITY	INTEGER	Obsolete in BR10; Min number of used PDT of PCU in slot no.14	SCANBSC.NPDTPCU <u>43</u>	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated <u>5</u> _PDCH_PCU1	INTENSITY	INTEGER	Obsolete in BR10; Min number of used PDT of PCU in slot no.15	SCANBSC.NPDTPCU <u>46</u>	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated <u>6</u> _PDCH_PCU1	INTENSITY	INTEGER	Obsolete in BR10; Min number of used PDT of PCU in slot no.16	SCANBSC.NPDTPCU <u>49</u>	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated <u>7</u> _PDCH_PCU1	INTENSITY	INTEGER	Obsolete in BR10; Min number of used PDT of PCU in	SCANBSC.NPDTPCU <u>52</u>	Average	Average, Maximum, Minimum

			slot no.17			m, sebpclbh, sebtchbh, Sum
Min_Activated _PDCH_PCU1 8	INTENSI TY	INTEG ER	Obsolete in BR10; Min number of used PDT of PCU in slot no.18	SCANBSC.NPDTPCU _55	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Min_Activated _PDCH_PCU1 9	INTENSI TY	INTEG ER	Obsolete in BR10; Min number of used PDT of PCU in slot no.19	SCANBSC.NPDTPCU _58	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Min_Activated _PDCH_PCU1	INTENSI TY	INTEG ER	Min number of used PDT of PCU in slot no.1	SCANBSC.NPDTPCU _4	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Min_Activated _PDCH_PCU2 0	INTENSI TY	INTEG ER	Obsolete in BR10; Min number of used PDT of PCU in slot no.20	SCANBSC.NPDTPCU _61	Average	Average, Maximu m, Minimu m, sebpclbh, sebtchbh, Sum
Min_Activated _PDCH_PCU2	INTENSI TY	INTEG ER	Obsolete in BR10; Min	SCANBSC.NPDTPCU _64	Average	Average, Maximu

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1			number of used PDT of PCU in slot no.21			m, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated_PDCH_PCU2_2	INTENSITY	INTEGER	Obsolete in BR10; Min number of used PDT of PCU in slot no.22	SCANBSC.NPDTPCU_67	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated_PDCH_PCU2_3	INTENSITY	INTEGER	Obsolete in BR10; Min number of used PDT of PCU in slot no.23	SCANBSC.NPDTPCU_70	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated_PDCH_PCU2	INTENSITY	INTEGER	Min number of used PDT of PCU in slot no.2	SCANBSC.NPDTPCU_7	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated_PDCH_PCU3	INTENSITY	INTEGER	Min number of used PDT of PCU in slot no.3	SCANBSC.NPDTPCU_10	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated_PDCH_PCU4	INTENSITY	INTEGER	Min number of used PDT of PCU in slot no.4	SCANBSC.NPDTPCU_13	Average	Average, Maximum, Minimum,

						sebpclbh, sebtchbh, Sum
Min_Activated _PDCH_PCU5	INTENSI TY	INTEG ER	Min number of used PDT of PCU in slot no.5	SCANBSC.NPDTPCU _16	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated _PDCH_PCU6	INTENSI TY	INTEG ER	Min number of used PDT of PCU in slot no.6	SCANBSC.NPDTPCU _19	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated _PDCH_PCU7	INTENSI TY	INTEG ER	Min number of used PDT of PCU in slot no.7	SCANBSC.NPDTPCU _22	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated _PDCH_PCU8	INTENSI TY	INTEG ER	Min number of used PDT of PCU in slot no.8	SCANBSC.NPDTPCU _25	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, Sum
Min_Activated _PDCH_PCU9	INTENSI TY	INTEG ER	Min number of used PDT of PCU in slot	SCANBSC.NPDTPCU _28	Average	Average, Maximum,

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			no.9			Minimum, sebpclbh, sebtchbh, Sum
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7.4.18 BSC.Siemens.GSM.PDCH

BSC Physical Downlink Channel Measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
MAX_NUMBER_ACTIVATED_PDCH	INTENSITY	INT8	Max number of activated PDCHs per cell	SCANGPRS_AGGREGATE.NALIPDCH_2	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
MEAN_NUMBER_ACTIVATED_PDCH	INTENSITY	FLOAT	Mean number of activated PDCHs per cell	SCANGPRS_AGGREGATE.NALIPDCH_3	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
MIN_NUMBER_ACTIVATED_PDCH	INTENSITY	INT8	Min number of activated PDCHs per cell	SCANGPRS_AGGREGATE.NALIPDCH_1	Average	Average, Maximum, Minimum,

						sebpclbh, sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
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7.4.19 BSC.Siemens.GSM.Processor1

Processor Load Measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
LOAD_PRIME_TIME_ON_PXP0	INTENSITY	FLOAT	Obsolete in release BR8. Prime time on PCUTD0 (board type PPXP)	SCANBSC.BSCPRCLD_29	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_PRIME_TIME_ON_PXP10	INTENSITY	FLOAT	Obsolete in release BR8. Prime time on PCUTD10 (board type PPXP)	SCANBSC.BSCPRCLD_49	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh,

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						sebtchhrbh, Sum
LOAD_PRIME_TIME_ON_PXP11	INTENSITY	FLOAT	Obsolete in release BR8.Prime time on PCUTD11 (board type PPXP)	SCANBSC.BSCPRCLD_51	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_PRIME_TIME_ON_PXP1	INTENSITY	FLOAT	Obsolete in release BR8.Prime time on PCUTD1 (board type PPXP)	SCANBSC.BSCPRCLD_31	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_PRIME_TIME_ON_PXP2	INTENSITY	FLOAT	Obsolete in release BR8.Prime time on PCUTD2 (board type PPXP)	SCANBSC.BSCPRCLD_33	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_PRIME_TIME_ON_P	INTENSITY	FLOAT	Obsolete in release	SCANBSC.BSCPRCLD_35	Average	Average, Maximum

PXP3			BR8.Prime time on PCUTD3 (board type PXP)			m, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_PRIME_TIME_ON_PXP4	INTENSITY	FLOAT	Obsolete in release BR8.Prime time on PCUTD4 (board type PXP)	SCANBSC.BSCPRCLD_37	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_PRIME_TIME_ON_PXP5	INTENSITY	FLOAT	Obsolete in release BR8.Prime time on PCUTD5 (board type PXP)	SCANBSC.BSCPRCLD_39	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_PRIME_TIME_ON_PXP6	INTENSITY	FLOAT	Obsolete in release BR8.Prime time	SCANBSC.BSCPRCLD_41	Average	Average, Maximum,

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			on PCUTD6 (board type PPXP)			Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_PRIME _TIME_ON_P XP7	INTENSITY	FLOAT	Obsolete in release BR8.Prime time on PCUTD7 (board type PPXP)	SCANBSC.BSCPRCL D_43	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_PRIME _TIME_ON_P XP8	INTENSITY	FLOAT	Obsolete in release BR8.Prime time on PCUTD8 (board type PPXP)	SCANBSC.BSCPRCL D_45	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_PRIME _TIME_ON_P XP9	INTENSITY	FLOAT	Obsolete in release BR8.Prime time on PCUTD9 (board type PPXP)	SCANBSC.BSCPRCL D_47	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum

						sebtchbh, sebtchfrb h, sebtchhr bh, Sum
LOAD_PRIME _TIME_ON_P PXU10	INTENSI TY	FLOA T	Prime time on PCU10 (board type PPXU)	SCANBSC.BSCPRCL D_37	Average	Average, Maximu m, Minimu m, sebpclbh, sebpdc hb, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
LOAD_PRIME _TIME_ON_P PXU11	INTENSI TY	FLOA T	Prime time on PCU11 (board type PPXU)	SCANBSC.BSCPRCL D_40	Average	Average, Maximu m, Minimu m, sebpclbh, sebpdc hb, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
LOAD_PRIME _TIME_ON_P PXU6	INTENSI TY	FLOA T	Prime time on PCU6 (board type PPXU)	SCANBSC.BSCPRCL D_25	Average	Average, Maximu m, Minimu m, sebpclbh, sebpdc hb, sebtchbh,

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						sebtchfrbh, sebtchhrbh, Sum
LOAD_PRIME _TIME_ON_P PXU7	INTENSI TY	FLOA T	Prime time on PCU7 (board type PPXU)	SCANBSC.BSCPRCL D_28	Average	Average, Maximu m, Minimu m, sebpclbh, sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
LOAD_PRIME _TIME_ON_P PXU8	INTENSI TY	FLOA T	Prime time on PCU8 (board type PPXU)	SCANBSC.BSCPRCL D_31	Average	Average, Maximu m, Minimu m, sebpclbh, sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
LOAD_PRIME _TIME_ON_P PXU9	INTENSI TY	FLOA T	Prime time on PCU9 (board type PPXU)	SCANBSC.BSCPRCL D_34	Average	Average, Maximu m, Minimu m, sebpclbh, sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum

LOAD_TOTAL_TIME_ON_PPXP0	INTENSITY	FLOAT	Obsolete in release BR8.Total time on PCUTD0 (board type PPXP)	SCANBSC.BSCPRCLD_30	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_TOTAL_TIME_ON_PPXP10	INTENSITY	FLOAT	Obsolete in release BR8.Total time on PCUTD10 (board type PPXP)	SCANBSC.BSCPRCLD_50	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_TOTAL_TIME_ON_PPXP11	INTENSITY	FLOAT	Obsolete in release BR8.Total time on PCUTD11 (board type PPXP)	SCANBSC.BSCPRCLD_52	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_TOTAL	INTENSITY	FLOAT	Obsolete in	SCANBSC.BSCPRCL	Average	Average,

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L_TIME_ON_PPXP1	TY	T	release BR8.Total time on PCUTD1 (board type PPXP)	D_32		Maximum, Minimum, sebpclbh, sebpdcbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_TOTAL_TIME_ON_PPXP2	INTENSITY	FLOAT	Obsolete in release BR8.Total time on PCUTD2 (board type PPXP)	SCANBSC.BSCPRCL D_34	Average	Average, Maximum, Minimum, sebpclbh, sebpdcbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_TOTAL_TIME_ON_PPXP3	INTENSITY	FLOAT	Obsolete in release BR8.Total time on PCUTD3 (board type PPXP)	SCANBSC.BSCPRCL D_36	Average	Average, Maximum, Minimum, sebpclbh, sebpdcbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_TOTAL_TIME_ON_PPXP4	INTENSITY	FLOAT	Obsolete in release BR8.Total time on PCUTD4 (board type PPXP)	SCANBSC.BSCPRCL D_38	Average	Average, Maximum, Minimum, sebpclbh,

						sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
LOAD_TOTAL_TIME_ON_PPXP5	INTENSITY	FLOAT	Obsolete in release BR8.Total time on PCUTD5 (board type PPXP)	SCANBSC.BSCPRCLD_40	Average	Average, Maximum, Minimum, sebpclbh, sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
LOAD_TOTAL_TIME_ON_PPXP6	INTENSITY	FLOAT	Obsolete in release BR8.Total time on PCUTD6 (board type PPXP)	SCANBSC.BSCPRCLD_42	Average	Average, Maximum, Minimum, sebpclbh, sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
LOAD_TOTAL_TIME_ON_PPXP7	INTENSITY	FLOAT	Obsolete in release BR8.Total time on PCUTD7 (board type PPXP)	SCANBSC.BSCPRCLD_44	Average	Average, Maximum, Minimum, sebpclbh, sebpdchb

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						h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
LOAD_TOTAL_TIME_ON_PPXP8	INTENSITY	FLOAT	Obsolete in release BR8.Total time on PCUTD8 (board type PPXP)	SCANBSC.BSCPRCLD_46	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_TOTAL_TIME_ON_PPXP9	INTENSITY	FLOAT	Obsolete in release BR8.Total time on PCUTD9 (board type PPXP)	SCANBSC.BSCPRCLD_48	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_TOTAL_TIME_ON_PPXT0	INTENSITY	FLOAT	Obsolete in release BR8.Total time on TDCU0 (board type PPXT)	SCANBSC.BSCPRCLD_53	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhr

						bh, Sum
LOAD_TOTAL_TIME_ON_PPXT1	INTENSITY	FLOAT	Obsolete in release BR8.Total time on TDCU1 (board type PPXT)	SCANBSC.BSCPRCLD_54	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_TOTAL_TIME_ON_PPXT2	INTENSITY	FLOAT	Obsolete in release BR8.Total time on TDCU2 (board type PPXT)	SCANBSC.BSCPRCLD_55	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_TOTAL_TIME_ON_PPXT3	INTENSITY	FLOAT	Obsolete in release BR8.Total time on TDCU3 (board type PPXT)	SCANBSC.BSCPRCLD_56	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum

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LOAD_TOTAL_TIME_ON_PPXT4	INTENSITY	FLOAT	Obsolete in release BR8.Total time on TDCU4 (board type PPXT)	SCANBSC.BSCPRCLD_57	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_TOTAL_TIME_ON_PPXU10	INTENSITY	FLOAT	Total time on PCU10 (board type PPXU)	SCANBSC.BSCPRCLD_38	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_TOTAL_TIME_ON_PPXU11	INTENSITY	FLOAT	Total time on PCU11 (board type PPXU)	SCANBSC.BSCPRCLD_41	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_TOTAL_TIME_ON_PPXU6	INTENSITY	FLOAT	Total time on PCU6 (board type PPXU)	SCANBSC.BSCPRCLD_26	Average	Average, Maximum, Minimum,

						sebpclbh, sebpdcbh, h, sebtchbh, sebtchfrb, h, sebtchhr, bh, Sum
LOAD_TOTAL_TIME_ON_PPXU7	INTENSITY	FLOAT	Total time on PCU7 (board type PPXU)	SCANBSC.BSCPRCLD_29	Average	Average, Maximum, Minimum, sebpclbh, sebpdcbh, h, sebtchbh, sebtchfrb, h, sebtchhr, bh, Sum
LOAD_TOTAL_TIME_ON_PPXU8	INTENSITY	FLOAT	Total time on PCU8 (board type PPXU)	SCANBSC.BSCPRCLD_32	Average	Average, Maximum, Minimum, sebpclbh, sebpdcbh, h, sebtchbh, sebtchfrb, h, sebtchhr, bh, Sum
LOAD_TOTAL_TIME_ON_PPXU9	INTENSITY	FLOAT	Total time on PCU9 (board type PPXU)	SCANBSC.BSCPRCLD_35	Average	Average, Maximum, Minimum, Minimum, sebpclbh,

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						sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
Max_total_time _on_PPXU10	INTENSITY	FLOAT	Max. total time on PCU10 (board type PPXU)	SCANBSC.BSCPRCL D_39	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
Max_total_time _on_PPXU11	INTENSITY	FLOAT	Max. total time on PCU11 (board type PPXU)	SCANBSC.BSCPRCL D_42	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
Max_total_time _on_PPXU6	INTENSITY	FLOAT	Max. total time on PCU6 (board type PPXU)	SCANBSC.BSCPRCL D_27	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh,

						sebtchhr bh, Sum
Max_total_time _on_PPXU7	INTENSI TY	FLOA T	Max. total time on PCU7 (board type PPXU)	SCANBSC.BSCPRCL D_30	Average	Average, Maximum, Minimum, sebpclbh, sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
Max_total_time _on_PPXU8	INTENSI TY	FLOA T	Max. total time on PCU8 (board type PPXU)	SCANBSC.BSCPRCL D_33	Average	Average, Maximum, Minimum, sebpclbh, sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
Max_total_time _on_PPXU9	INTENSI TY	FLOA T	Max. total time on PCU9 (board type PPXU)	SCANBSC.BSCPRCL D_36	Average	Average, Maximum, Minimum, sebpclbh, sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr

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						bh, Sum
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7.4.20 BSC.Siemens.GSM.Processor

Processor Load Measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
AVG_LOAD_PRIME_TIME_ON_PPXU	INTENSITY	FLOAT	Prime Time on PPXU0 + PPXU1 + PPXU2 + PPXU3 + PPXU4 + PPXU5 + PPXU6 + PPXU7 + PPXU8 + PPXU9 + PPXU10 + PPXU11	({Siemens.Processor.LOAD_PRIME_TIME_ON_PPXU0} + {Siemens.Processor.LOAD_PRIME_TIME_ON_PPXU1} + {Siemens.Processor.LOAD_PRIME_TIME_ON_PPXU2} + {Siemens.Processor.LOAD_PRIME_TIME_ON_PPXU3} + {Siemens.Processor.LOAD_PRIME_TIME_ON_PPXU4} + {Siemens.Processor.LOAD_PRIME_TIME_ON_PPXU5} + {Siemens.Processor1.LOAD_PRIME_TIME_ON_PPXU6} + {Siemens.Processor1.LOAD_PRIME_TIME_ON_PPXU7} + {Siemens.Processor1.LOAD_PRIME_TIME_ON_PPXU8} + {Siemens.Processor1.LOAD_PRIME_TIME_ON_PPXU9} + {Siemens.Processor1.LOAD_PRIME_TIME_ON_PPXU10} + {Siemens.Processor1.LOAD_PRIME_TIME_ON_PPXU11})/12	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum

AVG_LOAD_TOTAL_TIME_ON_PPXU	INTENSITY	FLOAT	Total Time on PPXU0 + PPXU1 + PPXU2 + PPXU3 + PPXU4 + PPXU5 + PPXU6 + PPXU7 + PPXU8 + PPXU9 + PPXU10 + PPXU11	{Siemens.Processor.LOAD_TOTAL_TIME_ON_PPXU0} + {Siemens.Processor.LOAD_TOTAL_TIME_ON_PPXU1} + {Siemens.Processor.LOAD_TOTAL_TIME_ON_PPXU2} + {Siemens.Processor.LOAD_TOTAL_TIME_ON_PPXU3} + {Siemens.Processor.LOAD_TOTAL_TIME_ON_PPXU4} + {Siemens.Processor.LOAD_TOTAL_TIME_ON_PPXU5} + {Siemens.Processor1.LOAD_TOTAL_TIME_ON_PPXU6} + {Siemens.Processor1.LOAD_TOTAL_TIME_ON_PPXU7} + {Siemens.Processor1.LOAD_TOTAL_TIME_ON_PPXU8} + {Siemens.Processor1.LOAD_TOTAL_TIME_ON_PPXU9} + {Siemens.Processor1.LOAD_TOTAL_TIME_ON_PPXU10} + {Siemens.Processor1.LOAD_TOTAL_TIME_ON_PPXU11})/12	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_PRIME_TIME_ON_MPCC	INTENSITY	FLOAT	Prime Time on MPCC	SCANBSC.BSCPRCLD_1	Average	Average, Maximum, Minimum,

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						sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_PRIME_TIME_ON_PPXU0	INTENSITY	FLOAT	Prime Time on PCU0/PPXU0	SCANBSC.BSCPRCLD_7	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_PRIME_TIME_ON_PPXU1	INTENSITY	FLOAT	Prime Time on PCU1 (board type PPXU)	SCANBSC.BSCPRCLD_10	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_PRIME_TIME_ON_PPXU2	INTENSITY	FLOAT	Prime Time on PCU2/PPXU2	SCANBSC.BSCPRCLD_13	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh

						h, sebtchhr bh, Sum
LOAD_PRIME_TIME_ON_PPXU3	INTENSITY	FLOAT	Prime Time on PCU3/PPXU3	SCANBSC.BSCPRCLD_16	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_PRIME_TIME_ON_PPXU4	INTENSITY	FLOAT	Prime Time on PCU4/PPXU4	SCANBSC.BSCPRCLD_19	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_PRIME_TIME_ON_PPXU5	INTENSITY	FLOAT	Prime Time on PCU5/PPXU5	SCANBSC.BSCPRCLD_22	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh,

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						sebtchhrbh, Sum
LOAD_PRIME_TIME_ON_TDPC	INTENSITY	FLOAT	Prime Time on TDPC	SCANBSC.BSCPRCLD_4	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_TOTAL_TIME_ON_MPCC	INTENSITY	FLOAT	Total Time on MPCC	SCANBSC.BSCPRCLD_2	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_TOTAL_TIME_ON_PPXU0	INTENSITY	FLOAT	Total Time on PCU0/PPXU0	SCANBSC.BSCPRCLD_8	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_TOTAL_TIME_ON_PPXU1	INTENSITY	FLOAT	Total Time on PCU1/PPXU1	SCANBSC.BSCPRCLD_11	Average	Average, Maximum

PPXU1						m, Minimu m, sebpclbh, sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
LOAD_TOTAL_TIME_ON_PPXU2	INTENSITY	FLOAT	Total Time on PCU2/PPXU2	SCANBSC.BSCPRCLD_14	Average	Average, Maximu m, Minimu m, sebpclbh, sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
LOAD_TOTAL_TIME_ON_PPXU3	INTENSITY	FLOAT	Total Time on PCU3/PPXU3	SCANBSC.BSCPRCLD_17	Average	Average, Maximu m, Minimu m, sebpclbh, sebpdchb h, sebtchbh, sebtchfrb h, sebtchhr bh, Sum
LOAD_TOTAL_TIME_ON_PPXU4	INTENSITY	FLOAT	Total Time on PCU4/PPXU4	SCANBSC.BSCPRCLD_20	Average	Average, Maximu m,

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						Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_TOTAL_TIME_ON_PPXU5	INTENSITY	FLOAT	Total Time on PCU5/PPXU5	SCANBSC.BSCPRCLD_23	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
LOAD_TOTAL_TIME_ON_TDPC	INTENSITY	FLOAT	Total Time on TDPC	SCANBSC.BSCPRCLD_5	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
Max_total_time_on_MPCC	INTENSITY	FLOAT	Max total time on MPCC	SCANBSC.BSCPRCLD_3	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh,

						sebtchbh, sebtchfrb h, sebtchhr bh, Sum
Max_total_time_on_PPXU0	INTENSITY	FLOAT	Max. total time on PCU0 (board type PPXU)	SCANBSC.BSCPRCLD_9	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
Max_total_time_on_PPXU1	INTENSITY	FLOAT	Max. total time on PCU1 (board type PPXU)	SCANBSC.BSCPRCLD_12	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
Max_total_time_on_PPXU2	INTENSITY	FLOAT	Max. total time on PCU2 (board type PPXU)	SCANBSC.BSCPRCLD_15	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh,

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						sebtchfrbh, sebtchhrbh, Sum
Max_total_time_on_PPXU3	INTENSITY	FLOAT	Max. total time on PCU3 (board type PPXU)	SCANBSC.BSCPRCLD_18	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
Max_total_time_on_PPXU4	INTENSITY	FLOAT	Max. total time on PCU3 (board type PPXU)	SCANBSC.BSCPRCLD_21	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
Max_total_time_on_PPXU5	INTENSITY	FLOAT	Max. total time on PCU5 (board type PPXU)	SCANBSC.BSCPRCLD_24	Average	Average, Maximum, Minimum, sebpclbh, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum

Max_total_time_on_TDPC	INTENSITY	FLOAT	Max. total time on TDPC	SCANBSC.BSCPRCLD_6	Average	Average, Maximum, Minimum, sebpclbh, sebpdcbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
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7.4.21 BSC.Siemens.GSM.SCCP_Termination

Abnormal SCCP Termination by SMLC

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Sccp_Termination_Smlc	ACCUMULATION	INTEGER	Number of Abnormal SCCP Termination by SMLC	SCANBSC.ABSCPTSM_1	Sum	sebpclbh, sebtchbh, Sum

7.4.22 BSC.Siemens.GSM.TA_ECITA_Positioning

TA / E-CITA Positioning Procedures

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Attempted_Ta_Ecita_Positionings	ACCUMULATION	INTEGER	Number of Attempted TA / E-CITA Positionings	SCANBSC.ATTTAPOS_1	Sum	sebpclbh, sebtchbh, Sum
Reset_Ta_Eci	ACCUMULATION	INTEGER	Number of	SCANBSC.RESTAP	Sum	sebpclbh,

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ta_Positionings	TION	ER	Reset TA / E-CITA Positionings	OS_1		sebtchbh, Sum
Succ_Ta_Ecita_Positionings	ACCUMULATION	INTEGER	Number of Successful TA / E-CITA Positionings	SCANBSC.SUCTAP OS_1	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Ta_Ecita_Positionings	ACCUMULATION	INTEGER	Number of Unsuccessful TA / E-CITA Positionings	SCANBSC.UNSTAP OS_1	Sum	sebpclbh, sebtchbh, Sum

7.4.23 BSC.Siemens.GSM.TCH_Traffic

BSC Traffic Channel Measurements. Data aggregated up from cell level in the gateway.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
MEAN_BUSY_TCH_1	INTENSITY	FLOAT	Mean no. of busy TCH FullRate aggregated to BSC level	BTS_AGG_TO_BSC.MEBUSTCH1	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
MEAN_BUSY_TCH_2	INTENSITY	FLOAT	Mean no. of busy TCH HalfRate aggregated to BSC level	BTS_AGG_TO_BSC.MEBUSTCH2	Average	Average, Maximum, Minimum, sebpclbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum

MEAN_BUSY_TCH_3	INTENSITY	FLOAT	Mean no. of busy TCH FullRate complete area, or double timeslot aggregated to BSC level	BTS_AGG_TO_BSC.MEBUSTCH3	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
MEAN_BUSY_TCH_4	INTENSITY	FLOAT	Mean no. of busy TCH HalfRate complete area, or double timeslot aggregated to BSC level	BTS_AGG_TO_BSC.MEBUSTCH4	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
MEAN_BUSY_TCH_FullRate	INTENSITY	FLOAT	Place holder KPI for BSC Circuit FullRate Busy Hour calculation.	{MEAN_BUSY_TCH_1}+{MEAN_BUSY_TCH_3}	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
MEAN_BUSY_TCH_HalfRate	INTENSITY	FLOAT	Place holder KPI for BSC Circuit HalfRate Busy Hour	{MEAN_BUSY_TCH_2}+{MEAN_BUSY_TCH_4}	Average	Average, Maximum, Minimum

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			calculation.			m, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum
MEAN_BUSY_TCH	INTENSITY	FLOAT	Place holder KPI for BSC Circuit FullRate+HalfRate Busy Hour calculation.	{MEAN_BUSY_TCH_1}+ {MEAN_BUSY_TCH_2} + {MEAN_BUSY_TCH_3}+ {MEAN_BUSY_TCH_4}	Average	Average, Maximum, Minimum, sebpdchbh, sebtchbh, sebtchfrbh, sebtchhrbh, Sum

7.4.24 BSC.Siemens.GSM.UTDOA_Positioning_Procedure

U-TDOA Positioning Procedures

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Attempted_Utdoa_Request	ACCUMULATION	INTEGER	Number of Attempted U-TDOA Request	SCANBSC.ATTUTREQ_1	Sum	sebpclbh, sebtchbh, Sum
Reset_Utdoa_Positionings_Failure_For_Other_Radio_Related_Events	ACCUMULATION	INTEGER	Number of Reset U-TDOA Positionings - Failure for other radio related events	SCANBSC.RESUTPOS_2	Sum	sebpclbh, sebtchbh, Sum
Reset_Utdoa_Positionings_Incorrect_Servicing_Cell_Identi	ACCUMULATION	INTEGER	Number of Reset U-TDOA Positionings -	SCANBSC.RESUTPOS_4	Sum	sebpclbh, sebtchbh, Sum

ty			Incorrect serving cell identity			
Reset_Utdoa_Positionings_Intrabss_Ho	ACCUMULATION	INTEGER	Number of Reset U-TDOA Positionings - Intra-BSS handover	SCANBSC.RESUTPOS_1	Sum	sebpclbh, sebtchbh, Sum
Reset_Utdoa_Positionings_Supervision_Timer_Expired	ACCUMULATION	INTEGER	Number of Reset U-TDOA Positionings - Supervision timer expired	SCANBSC.RESUTPOS_3	Sum	sebpclbh, sebtchbh, Sum
Succ_Utdoa_Response	ACCUMULATION	INTEGER	Number of Successful U-TDOA Response	SCANBSC.SUCUTDRS_1	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Abort_Utdoa_Position_Loss_Connection_To_Ms	ACCUMULATION	INTEGER	Number of Unsuccessful Abort U-TDOA Positionings - Loss of signalling connection to MS	SCANBSC.UNSAUPOS_4	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Abort_Utdoa_Position_Other_Radio_Related_Events	ACCUMULATION	INTEGER	Number of Unsuccessful Abort U-TDOA Positionings - Failure for other radio related events	SCANBSC.UNSAUPOS_1	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Abort_Utdoa_Positi	ACCUMULATION	INTEGER	Number of Unsuccessful	SCANBSC.UNSAUPOS_2	Sum	sebpclbh, sebtchbh,

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on_Supervision_Timer_Expired			Abort U-TDOA Positionings - Supervision timer expired			Sum
UnSucc_Abort_Utdoa_Positionings_Interbs_Ho	ACCUMULATION	INTEGER	Number of Unsuccessful Abort U-TDOA Positionings - Inter-BSS handover	SCANBSC.UNSAUP OS_3	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Reject_Utdoa_Position_Cm_Not_Supported	ACCUMULATION	INTEGER	Number of Unsuccessful Reject U-TDOA Positionings - Channel mode not supported	SCANBSC.UNSRUP OS_2	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Reject_Utdoa_Position_Fail_For_Other_Radio_Related_Events	ACCUMULATION	INTEGER	Number of Unsuccessful Reject U-TDOA Positionings - Failure for other radio related events	SCANBSC.UNSRUP OS_4	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Reject_Utdoa_Position_Proc_Not_Supported	ACCUMULATION	INTEGER	Number of Unsuccessful Reject U-TDOA Positionings - Positioning procedure not supported	SCANBSC.UNSRUP OS_3	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Reject_Utdoa_Positionings_Bssaple_Segmentation_Error	ACCUMULATION	INTEGER	Number of Unsuccessful Reject U-TDOA Positionings - BSSAP-LE segmentation error	SCANBSC.UNSRUP OS_6	Sum	sebpclbh, sebtchbh, Sum

UnSucc_Reject_Utdoa_Positionings_Congestion	ACCUMULATION	INTEGER	Number of Unsuccessful Reject U-TDOA Positionings - Congestion	SCANBSC.UNSRUP OS_1	Sum	sebpclbh, sebtchbh, Sum
UnSucc_Reject_Utdoa_Positionings_Incorrect_Serving_Cell_Identity	ACCUMULATION	INTEGER	Number of Unsuccessful Reject U-TDOA Positionings - Incorrect serving cell identity	SCANBSC.UNSRUP OS_5	Sum	sebpclbh, sebtchbh, Sum

7.5 Cell Performance Indicators

This section shows the key performance indicators and other counters for the Cell object, divided into the following sub-sections:

- [Cell.Siemens.GSM.AMR_Frames](#)
- [Cell.Siemens.GSM.AMR_FullRate](#)
- [Cell.Siemens.GSM.AMR_HalfRate](#)
- [Cell.Siemens.GSM.AMR_WBFullRate](#)
- [Cell.Siemens.GSM.ASCI](#)
- [Cell.Siemens.GSM.Assignment_SDCCH_and_TCH_Full_Rate](#)
- [Cell.Siemens.GSM.Assignment_TCH_HalfRate](#)
- [Cell.Siemens.GSM.Attempted_cell_reselection](#)
- [Cell.Siemens.GSM.BSSGP](#)
- [Cell.Siemens.GSM.Busy_TCH](#)
- [Cell.Siemens.GSM.CCCH](#)
- [Cell.Siemens.GSM.Cell_reselection_procedure](#)
- [Cell.Siemens.GSM.Cell_TCH_BH](#)
- [Cell.Siemens.GSM.CH_allocation_reqs_not_served](#)
- [Cell.Siemens.GSM.Clear_Message](#)
- [Cell.Siemens.GSM.Concen_cell_mean_busy_CHs_SLCA](#)
- [Cell.Siemens.GSM.Concen_cell_mean_busy_CHs_SLPA](#)
- [Cell.Siemens.GSM.Concentric_TCH_FullRate](#)
- [Cell.Siemens.GSM.Concentric_TCH_HalfRate](#)
- [Cell.Siemens.GSM.Defined_CCCH_channels](#)
- [Cell.Siemens.GSM.Defined_PCCCH_frames](#)

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- [Cell.Siemens.GSM.Discarded_LLC_PDU_s_background](#)
- [Cell.Siemens.GSM.Discarded_LLC_PDU_s_interactive](#)
- [Cell.Siemens.GSM.Discarded_LLC_PDU_s_streaming](#)
- [Cell.Siemens.GSM.DL_LLC_PDU_filling_queue](#)
- [Cell.Siemens.GSM.DMA_admission_control](#)
- [Cell.Siemens.GSM.DMA_rejections](#)
- [Cell.Siemens.GSM.DTM_Measurements](#)
- [Cell.Siemens.GSM.Extend_cell_mean_busy_CHs_SLCA](#)
- [Cell.Siemens.GSM.Extend_cell_mean_busy_CHs_SLPA](#)
- [Cell.Siemens.GSM.Extended_TCH_FullRate](#)
- [Cell.Siemens.GSM.Extended_TCH_HalfRate](#)
- [Cell.Siemens.GSM.FACCH_Supervision](#)
- [Cell.Siemens.GSM.FER_AMR_FullRate](#)
- [Cell.Siemens.GSM.FER_AMR_HalfRate](#)
- [Cell.Siemens.GSM.FER_AMR_WB](#)
- [Cell.Siemens.GSM.GPRS_Data_Downlink](#)
- [Cell.Siemens.GSM.GPRS_Data_Uplink](#)
- [Cell.Siemens.GSM.GPRS_Data](#)
- [Cell.Siemens.GSM.GPRS](#)
- [Cell.Siemens.GSM.GTTP_Throughput](#)
- [Cell.Siemens.GSM.HSCSD_Connection_related](#)
- [Cell.Siemens.GSM.Immediate_Assignment](#)
- [Cell.Siemens.GSM.Inter_BSC_HO_attempts_KPIs](#)
- [Cell.Siemens.GSM.Inter_BSC_HO_dist_KPIs](#)
- [Cell.Siemens.GSM.Inter_BSC_HO_drop_KPIs](#)
- [Cell.Siemens.GSM.Inter_BSC_HO_failure_KPIs](#)
- [Cell.Siemens.GSM.Inter_BSC_HO_success_KPIs](#)
- [Cell.Siemens.GSM.Inter_system_handover_attempt_KPIs](#)
- [Cell.Siemens.GSM.Inter_system_handover_dist_KPIs](#)
- [Cell.Siemens.GSM.Inter_system_handover_drop_KPIs](#)
- [Cell.Siemens.GSM.Inter_system_handover_failure_KPIs](#)
- [Cell.Siemens.GSM.Inter_system_handover_success_KPIs](#)
- [Cell.Siemens.GSM.InterCell_Handover](#)
- [Cell.Siemens.GSM.Internal_intercell_handover_failures](#)
- [Cell.Siemens.GSM.Internal_intercell_SDCCH_HO](#)
- [Cell.Siemens.GSM.Internal_intracell_SDCCH_HO](#)
- [Cell.Siemens.GSM.Intra_BSC_handover_attempt_KPIs](#)
- [Cell.Siemens.GSM.Intra_BSC_handover_dist_KPIs](#)
- [Cell.Siemens.GSM.Intra_BSC_handover_drop_KPIs](#)
- [Cell.Siemens.GSM.Intra_BSC_handover_failure_KPIs](#)
- [Cell.Siemens.GSM.Intra_BSC_handover_success_KPIs](#)
- [Cell.Siemens.GSM.Intracell_Handover_compression](#)
- [Cell.Siemens.GSM.Intracell_Handover](#)
- [Cell.Siemens.GSM.LLC_data_volume](#)
- [Cell.Siemens.GSM.LLC_PDU_s_on_Gb_interface](#)
- [Cell.Siemens.GSM.Mean_user_data_throughput_LLC](#)

- [Cell.Siemens.GSM.MSC_SDCCH_Handovers](#)
- [Cell.Siemens.GSM.Outage_LLC_PDUs](#)
- [Cell.Siemens.GSM.Packet_Flow_Context](#)
- [Cell.Siemens.GSM.PAGCH](#)
- [Cell.Siemens.GSM.Paging](#)
- [Cell.Siemens.GSM.PD_assignments](#)
- [Cell.Siemens.GSM.PDCH_diffserv](#)
- [Cell.Siemens.GSM.PDCH](#)
- [Cell.Siemens.GSM.PDUs_Delay](#)
- [Cell.Siemens.GSM.Power_Quality_Measure](#)
- [Cell.Siemens.GSM.PRACH_messages](#)
- [Cell.Siemens.GSM.QoS_Interference](#)
- [Cell.Siemens.GSM.Radio_Queueing](#)
- [Cell.Siemens.GSM.Radio_Resource_diffserv](#)
- [Cell.Siemens.GSM.Radio_Resource](#)
- [Cell.Siemens.GSM.Received_flush_PDUs](#)
- [Cell.Siemens.GSM.Reselection_attempts](#)
- [Cell.Siemens.GSM.RLC](#)
- [Cell.Siemens.GSM.RxQual_AMR_FullRate](#)
- [Cell.Siemens.GSM.RxQual_AMR_HalfRate](#)
- [Cell.Siemens.GSM.RxQual_AMR_WB](#)
- [Cell.Siemens.GSM.SDCCH_busy_per_procedure](#)
- [Cell.Siemens.GSM.SDCCH](#)
- [Cell.Siemens.GSM.Smooth_Channel](#)
- [Cell.Siemens.GSM.Stand_cell_mean_busy_CHs_BCCH](#)
- [Cell.Siemens.GSM.Stand_cell_mean_busy_CHs_NBCCH](#)
- [Cell.Siemens.GSM.Standard_cell_mean_busy_CHs](#)
- [Cell.Siemens.GSM.Standard_TCH_FullRate](#)
- [Cell.Siemens.GSM.Standard_TCH_HalfRate](#)
- [Cell.Siemens.GSM.TBF](#)
- [Cell.Siemens.GSM.TCH_HighLoad_Events](#)
- [Cell.Siemens.GSM.TCH_Related](#)
- [Cell.Siemens.GSM.TCH_SD](#)
- [Cell.Siemens.GSM.Timeslot_resources_achieved](#)
- [Cell.Siemens.GSM.Transmitted_SACCH_frames](#)
- [Cell.Siemens.GSM.Unsuccessful_cell_reselections](#)
- [Cell.Siemens.GSM.Unsuccessful_terminated_TBF_diffserv](#)
- [Cell.Siemens.GSM.Unsuccessful_terminated_TBFS](#)
- [Cell.Siemens.GSM.USSD_signalling](#)
- [Cell.Siemens.GSM.Weighted_LLC_data_single_ts](#)
- [Cell.Siemens.GSM.Weighted_LLC_data_throughput](#)
- [Cell.Siemens.GSM.Weighted_user_data_throughput](#)

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- [Cell.Siemens.GSM.Wireless_priority_service](#)

7.5.1 Cell.Siemens.GSM.AMR_Frames

Cell related measurements- Adaptive Multirate Frames

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Correct_Dlspeech_Frames_Received_Ms_Arp	ACCUMULATION	INT8	Correct DL speech frames received by MS with ARP capability	SCANBTSE.NFRMDL ARP_1	Sum	seccchbh , secrlctbh , sectchbh, sectchfrbh, Sum
CORRECT_FR_FULL_UL_10200	ACCUMULATION	INT8	Correct frames uplink 10.2kb/s TCH/ AFS	SCANBTSE.AMRFRM UL_2	Sum	seccchbh , secrlctbh , sectchbh, sectchfrbh, Sum
CORRECT_FR_FULL_UL_12200	ACCUMULATION	INT8	Correct frames uplink 12.2kb/s TCH/ AFS	SCANBTSE.AMRFRM UL_1	Sum	seccchbh , secrlctbh , sectchbh, sectchfrbh, Sum
CORRECT_FR_FULL_UL_4750	ACCUMULATION	INT8	Correct frames uplink 4.75kb/s TCH/ AFS	SCANBTSE.AMRFRM UL_8	Sum	seccchbh , secrlctbh , sectchbh, sectchfrbh, Sum
CORRECT_FR_FULL_UL_5150	ACCUMULATION	INT8	Correct frames uplink 5.15kb/s TCH/ AFS	SCANBTSE.AMRFRM UL_7	Sum	seccchbh , secrlctbh , sectchbh, sectchfrbh

						h, Sum
CORRECT_F R_FULL_UL_ 5900	ACCUMULA TION	INT8	Correct frames uplink 5.9kb/s TCH/ AFS	SCANBTSE.AMRFRM UL_6	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
CORRECT_F R_FULL_UL_ 6700	ACCUMULA TION	INT8	Correct frames uplink 6.7kb/s TCH/ AFS	SCANBTSE.AMRFRM UL_5	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
CORRECT_F R_FULL_UL_ 7400	ACCUMULA TION	INT8	Correct frames uplink 7.4kb/s TCH/ AFS	SCANBTSE.AMRFRM UL_4	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
CORRECT_F R_FULL_UL_ 7950	ACCUMULA TION	INT8	Correct frames uplink 7.95kb/s TCH/ AFS	SCANBTSE.AMRFRM UL_3	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
CORRECT_F R_FULL_WB _UL_12650	ACCUMULA TION	INT8	Correct frames uplink 12.65 kb/s TCH/WFS	SCANBTSE.AMRFRM UL_27	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
CORRECT_F R_FULL_WB	ACCUMULA TION	INT8	Correct frames uplink	SCANBTSE.AMRFRM UL_29	Sum	seccchbh ,

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_UL_6600			6.6 kb/s TCH/ WFS			seclctbh , sectchbh, sectchfrb h, Sum
CORRECT_F R_FULL_WB _UL_8850	ACCUMULA TION	INT8	Correct frames uplink 8.85 kb/s TCH/WFS	SCANBTSE.AMRFRM UL_28	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
CORRECT_F R_HALF_UL _4750	ACCUMULA TION	INT8	Correct frames uplink 4.75kb/s TCH/ AHS	SCANBTSE.AMRFRM UL_13	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
CORRECT_F R_HALF_UL _5150	ACCUMULA TION	INT8	Correct frames uplink 5.15kb/s TCH/ AHS	SCANBTSE.AMRFRM UL_12	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
CORRECT_F R_HALF_UL _5900	ACCUMULA TION	INT8	Correct frames uplink 5.9kb/s TCH/ AHS	SCANBTSE.AMRFRM UL_11	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
CORRECT_F R_HALF_UL _6700	ACCUMULA TION	INT8	Correct frames uplink 6.7kb/s TCH/ AHS	SCANBTSE.AMRFRM UL_10	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
CORRECT_F R_HALF_UL	ACCUMULA TION	INT8	Correct frames uplink	SCANBTSE.AMRFRM UL_9	Sum	seccchbh ,

_7400			7.4kb/s TCH/AHS			seclctbh , sectchbh, sectchfrbh, Sum
CORRECT_FRAMES_DL	ACCUMULATION	INT8	Correct frames downlink	SCANBTSE.AMRFRM_DL_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
CORRECT_SID_FRAMES_UL	ACCUMULATION	INT8	AMR uplink correct SID frames	SCANBTSE.AMRSID_UL_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
Correct_Tchafs_Frames_10_2_Kbits	ACCUMULATION	INT8	The number of Correct TCH/AFS (AMR fullrate speech) frames with 10.2 kbit/s	SCANBTSE.NFRMUL_ARP_2	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
Correct_Tchafs_Frames_12_2_Kbits	ACCUMULATION	INT8	The number of Correct TCH/AFS (AMR fullrate speech) frames with 12.2 kbit/s	SCANBTSE.NFRMUL_ARP_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
Correct_Tchafs_Frames_4_7_5_Kbits	ACCUMULATION	INT8	The number of Correct TCH/AFS (AMR fullrate speech)	SCANBTSE.NFRMUL_ARP_8	Sum	seccchbh , seclctbh , sectchbh,

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			frames with 4.75 kbit/s			sectchfrbh, Sum
Correct_Tchafs_Frames_5_15_Kbits	ACCUMULATION	INT8	The number of Correct TCH/ AFS (AMR fullrate speech) frames with 5.15 kbit/s	SCANBTSE.NFRMUL ARP_7	Sum	seccchbh , secrlctbh , sectchbh, sectchfrbh, Sum
Correct_Tchafs_Frames_5_9_Kbits	ACCUMULATION	INT8	The number of Correct TCH/ AFS (AMR fullrate speech) frames with 5.9 kbit/s	SCANBTSE.NFRMUL ARP_6	Sum	seccchbh , secrlctbh , sectchbh, sectchfrbh, Sum
Correct_Tchafs_Frames_6_7_Kbits	ACCUMULATION	INT8	The number of Correct TCH/ AFS (AMR fullrate speech) frames with 6.7 kbit/s	SCANBTSE.NFRMUL ARP_5	Sum	seccchbh , secrlctbh , sectchbh, sectchfrbh, Sum
Correct_Tchafs_Frames_7_4_Kbits	ACCUMULATION	INT8	The number of Correct TCH/ AFS (AMR fullrate speech) frames with 7.4 kbit/s	SCANBTSE.NFRMUL ARP_4	Sum	seccchbh , secrlctbh , sectchbh, sectchfrbh, Sum
Correct_Tchafs_Frames_7_9_5_Kbits	ACCUMULATION	INT8	The number of Correct TCH/ AFS (AMR fullrate speech) frames with 7.95 kbit/s	SCANBTSE.NFRMUL ARP_3	Sum	seccchbh , secrlctbh , sectchbh, sectchfrbh, Sum
Correct_Tchahs_Frames_4_75_Kbits	ACCUMULATION	INT8	The number of Correct TCH/ AHS (AMR halfrate speech)	SCANBTSE.NFRMUL ARP_13	Sum	seccchbh , secrlctbh , sectchbh,

			frames with 4.75 kbit/s			sectchfrbh, Sum
Correct_Tchahs_Frames_5_15_Kbits	ACCUMULATION	INT8	The number of Correct TCH/AHS (AMR halfrate speech) frames with 5.15 kbit/s	SCANBTSE.NFRMUL ARP_12	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, Sum
Correct_Tchahs_Frames_5_9_Kbits	ACCUMULATION	INT8	The number of Correct TCH/AHS (AMR halfrate speech) frames with 5.9 kbit/s	SCANBTSE.NFRMUL ARP_11	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, Sum
Correct_Tchahs_Frames_6_7_Kbits	ACCUMULATION	INT8	The number of Correct TCH/AHS (AMR halfrate speech) frames with 6.7 kbit/s	SCANBTSE.NFRMUL ARP_10	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, Sum
Correct_Tchahs_Frames_7_4_Kbits	ACCUMULATION	INT8	The number of Correct TCH/AHS (AMR halfrate speech) frames with 7.4 kbit/s	SCANBTSE.NFRMUL ARP_9	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, Sum
Correct_TCH_WFS_frames_12_65_Kbits	ACCUMULATION	INT8	The number of Correct TCH/WFS (AMR wide band fullrate speech)) frames with 12.65 kbit/s	SCANBTSE.NFRMUL ARP_27	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, Sum

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Correct_TCH WFS_frames_ 6_6_Kbits	ACCUMULA TION	INT8	The number of Correct TCH/ WFS (AMR wide band fullrate speech)) frames with 6.6 kbit/s	SCANBTSE.NFRMUL ARP_29	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
Correct_TCH WFS_frames_ 8_85_Kbits	ACCUMULA TION	INT8	The number of Correct TCH/ WFS (AMR wide band fullrate speech)) frames with 8.85 kbit/s	SCANBTSE.NFRMUL ARP_28	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
Erroneous_Mi ssing_Dlspeec h_Frames_Ms _Arp	ACCUMULA TION	INT8	Erroneous or missing DL speech frames MS with ARP capability	SCANBTSE.NFRMDL ARP_2	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
ERROR_FR_ FULL_UL_10 200	ACCUMULA TION	INT8	Error frames uplink 10.2kb/ s TCH/AFS	SCANBTSE.AMRFRM UL_15	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
ERROR_FR_ FULL_UL_12 200	ACCUMULA TION	INT8	Error frames uplink 12.2kb/ s TCH/AFS	SCANBTSE.AMRFRM UL_14	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
ERROR_FR_ FULL_UL_47 50	ACCUMULA TION	INT8	Error frames uplink 4.75kb/ s TCH/AFS	SCANBTSE.AMRFRM UL_21	Sum	seccchbh , seclctbh , sectchbh, sectchfrb

						h, Sum
ERROR_FR_FULL_UL_5150	ACCUMULATION	INT8	Error frames uplink 5.15kb/s TCH/AFS	SCANBTSE.AMRFRM_UL_20	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
ERROR_FR_FULL_UL_5900	ACCUMULATION	INT8	Error frames uplink 5.9kb/s TCH/AFS	SCANBTSE.AMRFRM_UL_19	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
ERROR_FR_FULL_UL_6700	ACCUMULATION	INT8	Error frames uplink 6.7kb/s TCH/AFS	SCANBTSE.AMRFRM_UL_18	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
ERROR_FR_FULL_UL_7400	ACCUMULATION	INT8	Error frames uplink 7.4kb/s TCH/AFS	SCANBTSE.AMRFRM_UL_17	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
ERROR_FR_FULL_UL_7950	ACCUMULATION	INT8	Error frames uplink 7.95kb/s TCH/AFS	SCANBTSE.AMRFRM_UL_16	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
ERROR_FR_FULL_WB_U	ACCUMULATION	INT8	Error frames uplink 12.65	SCANBTSE.AMRFRM_UL_30	Sum	seccchbh ,

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L_12650			kb/s TCH/WFS			seclctbh , sectchbh, sectchfrb h, Sum
ERROR_FR_FULL_WB_UL_6600	ACCUMULATION	INT8	Error frames uplink 6.6 kb/s TCH/WFS	SCANBTSE.AMRFRM UL_32	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
ERROR_FR_FULL_WB_UL_8850	ACCUMULATION	INT8	Error frames uplink 8.85 kb/s TCH/WFS	SCANBTSE.AMRFRM UL_31	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
ERROR_FR_HALF_UL_4750	ACCUMULATION	INT8	Error frames uplink 4.75kb/s TCH/AHS	SCANBTSE.AMRFRM UL_26	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
ERROR_FR_HALF_UL_5150	ACCUMULATION	INT8	Error frames uplink 5.15kb/s TCH/AHS	SCANBTSE.AMRFRM UL_25	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
ERROR_FR_HALF_UL_5900	ACCUMULATION	INT8	Error frames uplink 5.9kb/s TCH/AHS	SCANBTSE.AMRFRM UL_24	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
ERROR_FR_HALF_UL_67	ACCUMULATION	INT8	Error frames uplink 6.7kb/s	SCANBTSE.AMRFRM UL_23	Sum	seccchbh ,

00			TCH/AHS			seclctbh , sectchbh, sectchfrb h, Sum
ERROR_FR_74 HALF_UL_00	ACCUMULATION	INT8	Error frames uplink 7.4kb/s TCH/AHS	SCANBTSE.AMRFRM UL_22	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
ERROR_FRAMES_DL	ACCUMULATION	INT8	Error frames downlink	SCANBTSE.AMRFRM DL_2	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
ERROR_SID_FRAMES_UL	ACCUMULATION	INT8	AMR uplink error SID frames	SCANBTSE.AMRSID UL_2	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
Error_Tchafs_Frames_10_2_Kbits	ACCUMULATION	INT8	The number of Error TCH/AFS (AMR fullrate speech) frames with 10.2 kbit/s	SCANBTSE.NFRMUL ARP_15	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
Error_Tchafs_Frames_12_2_Kbits	ACCUMULATION	INT8	The number of Error TCH/AFS (AMR fullrate speech)	SCANBTSE.NFRMUL ARP_14	Sum	seccchbh , seclctbh , sectchbh,

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			frames with 12.2 kbit/s			sectchfrbh, Sum
Error_Tchafs_Frames_4_75_Kbits	ACCUMULATION	INT8	The number of Error TCH/AFS (AMR fullrate speech) frames with 4.75 kbit/s	SCANBTSE.NFRMUL ARP_21	Sum	seccchbh , secrlctbh , sectchbh, sectchfrbh, Sum
Error_Tchafs_Frames_5_15_Kbits	ACCUMULATION	INT8	The number of Error TCH/AFS (AMR fullrate speech) frames with 5.15 kbit/s	SCANBTSE.NFRMUL ARP_20	Sum	seccchbh , secrlctbh , sectchbh, sectchfrbh, Sum
Error_Tchafs_Frames_5_9_Kbits	ACCUMULATION	INT8	The number of Error TCH/AFS (AMR fullrate speech) frames with 5.9 kbit/s	SCANBTSE.NFRMUL ARP_19	Sum	seccchbh , secrlctbh , sectchbh, sectchfrbh, Sum
Error_Tchafs_Frames_6_7_Kbits	ACCUMULATION	INT8	The number of Error TCH/AFS (AMR fullrate speech) frames with 6.7 kbit/s	SCANBTSE.NFRMUL ARP_18	Sum	seccchbh , secrlctbh , sectchbh, sectchfrbh, Sum
Error_Tchafs_Frames_7_4_Kbits	ACCUMULATION	INT8	The number of Error TCH/AFS (AMR fullrate speech) frames with 7.4 kbit/s	SCANBTSE.NFRMUL ARP_17	Sum	seccchbh , secrlctbh , sectchbh, sectchfrbh, Sum
Error_Tchafs_Frames_7_95_Kbits	ACCUMULATION	INT8	The number of Error TCH/AFS (AMR fullrate speech)	SCANBTSE.NFRMUL ARP_16	Sum	seccchbh , secrlctbh , sectchbh,

			frames with 7.95 kbit/s			sectchfrbh, Sum
Error_Tchahs_Frames_4_75_Kbits	ACCUMULATION	INT8	The number of Error TCH/AHS (AMR halfrate speech) frames with 4.75 kbit/s	SCANBTSE.NFRMUL ARP_26	Sum	seccchbh, secrldtch, sectchbh, sectchfrbh, Sum
Error_Tchahs_Frames_5_15_Kbits	ACCUMULATION	INT8	The number of Error TCH/AHS (AMR halfrate speech) frames with 5.15 kbit/s	SCANBTSE.NFRMUL ARP_25	Sum	seccchbh, secrldtch, sectchbh, sectchfrbh, Sum
Error_Tchahs_Frames_5_9_Kbits	ACCUMULATION	INT8	The number of Error TCH/AHS (AMR halfrate speech) frames with 5.9 kbit/s	SCANBTSE.NFRMUL ARP_24	Sum	seccchbh, secrldtch, sectchbh, sectchfrbh, Sum
Error_Tchahs_Frames_6_7_Kbits	ACCUMULATION	INT8	The number of Error TCH/AHS (AMR halfrate speech) frames with 6.7 kbit/s	SCANBTSE.NFRMUL ARP_23	Sum	seccchbh, secrldtch, sectchbh, sectchfrbh, Sum
Error_Tchahs_Frames_7_4_Kbits	ACCUMULATION	INT8	The number of Error TCH/AHS (AMR halfrate speech) frames with 7.4 kbit/s	SCANBTSE.NFRMUL ARP_22	Sum	seccchbh, secrldtch, sectchbh, sectchfrbh, Sum
Error_TCHW	ACCUMULATION	INT8	The number of	SCANBTSE.NFRMUL	Sum	seccchbh

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FS_frames_12_65_Kbits	TION		Error TCH/WFS (AMR wide band fullrate speech)) frames with 12.65 kbit/s	ARP_30		, secrletbh , sectchbh, sectchfrbh, Sum
Error_TCHWFS_frames_6_6_Kbits	ACCUMULATION	INT8	The number of Error TCH/WFS (AMR wide band fullrate speech)) frames with 6.6 kbit/s	SCANBTSE.NFRMUL ARP_32	Sum	seccchbh , secrletbh , sectchbh, sectchfrbh, Sum
Error_TCHWFS_frames_8_85_Kbits	ACCUMULATION	INT8	The number of Error TCH/WFS (AMR wide band fullrate speech)) frames with 8.85 kbit/s	SCANBTSE.NFRMUL ARP_31	Sum	seccchbh , secrletbh , sectchbh, sectchfrbh, Sum

7.5.2 Cell.Siemens.GSM.AMR_FullRate

Cell related measurements- Adaptive Multirate- Full Rate

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_ADAPTIVE_MULTIRATE_SPEECH_DL_10200	INTENSITY	FLOAT	TCH/AFS 10.2 downlink (AMR full rate speech, 10.2 kbit/s)	SCANBTSE.AMRCH DIS_15	Average	Average, Maximum, Minimum, seccchbh , secrletbh , sectchbh, sectchfrbh, Sum

%_ADAPTIVE_MULTIRATE_SPEECH_DL_12200	INTENSITY	FLOAT	TCH/AFS 12.2 downlink (AMR full rate speech, 12.2 kbit/s)	SCANBTSE.AMRCHDIS_14	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
%_ADAPTIVE_MULTIRATE_SPEECH_DL_4750	INTENSITY	FLOAT	TCH/AFS 4.75 downlink (AMR full rate speech, 4.75 kbit/s)	SCANBTSE.AMRCHDIS_21	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
%_ADAPTIVE_MULTIRATE_SPEECH_DL_5150	INTENSITY	FLOAT	TCH/AFS 5.15 downlink (AMR full rate speech, 5.15 kbit/s)	SCANBTSE.AMRCHDIS_20	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
%_ADAPTIVE_MULTIRATE_SPEECH_DL_590	INTENSITY	FLOAT	TCH/AFS 5.9 downlink (AMR full rate speech, 5.9 kbit/s)	SCANBTSE.AMRCHDIS_19	Average	Average, Maximum, Minimum

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0			kbit/s)			m, secccchbh , seclctbh , sectchbh, sectchfrb h, Sum
%_ADAPTIVE_ MULTIRATE_S PEECH_DL_670 0	INTENSI TY	FLOA T	TCH/AFS 6.7 downlink (AMR full rate speech, 6.7 kbit/s)	SCANBTSE.AMRCH DIS_18	Average	Average, Maximu m, Minimu m, secccchbh , seclctbh , sectchbh, sectchfrb h, Sum
%_ADAPTIVE_ MULTIRATE_S PEECH_DL_740 0	INTENSI TY	FLOA T	TCH/AFS 7.4 downlink (AMR full rate speech, 7.4 kbit/s)	SCANBTSE.AMRCH DIS_17	Average	Average, Maximu m, Minimu m, secccchbh , seclctbh , sectchbh, sectchfrb h, Sum
%_ADAPTIVE_ MULTIRATE_S PEECH_DL_795 0	INTENSI TY	FLOA T	TCH/AFS 7.95 downlink (AMR full rate speech, 7.95 kbit/s)	SCANBTSE.AMRCH DIS_16	Average	Average, Maximu m, Minimu m, secccchbh , seclctbh , sectchbh, sectchfrb h, Sum

%_ADAPTIVE_MULTIRATE_SPEECH_UL_10200	INTENSITY	FLOAT	TCH/AFS 10.2 uplink (AMR full rate speech, 10.2 kbit/s)	SCANBTSE.AMRCHDIS_2	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
%_ADAPTIVE_MULTIRATE_SPEECH_UL_12200	INTENSITY	FLOAT	TCH/AFS 12.2 uplink (AMR full rate speech, 12.2 kbit/s)	SCANBTSE.AMRCHDIS_1	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
%_ADAPTIVE_MULTIRATE_SPEECH_UL_4750	INTENSITY	FLOAT	TCH/AFS 4.75 uplink (AMR full rate speech, 4.75 kbit/s)	SCANBTSE.AMRCHDIS_8	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
%_ADAPTIVE_MULTIRATE_SPEECH_UL_515	INTENSITY	FLOAT	TCH/AFS 5.15 uplink (AMR full rate speech, 5.15 kbit/s)	SCANBTSE.AMRCHDIS_7	Average	Average, Maximum, Minimum

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0			kbit/s)			m, secccchbh , seclctbh , sectchbh, sectchfrb h, Sum
%_ADAPTIVE_ MULTIRATE_S PEECH_UL_590 0	INTENSI TY	FLOA T	TCH/AFS 5.9 uplink (AMR full rate speech, 5.9 kbit/s)	SCANBTSE.AMRCH DIS_6	Average	Average, Maximu m, Minimu m, secccchbh , seclctbh , sectchbh, sectchfrb h, Sum
%_ADAPTIVE_ MULTIRATE_S PEECH_UL_670 0	INTENSI TY	FLOA T	TCH/AFS 6.7 uplink (AMR full rate speech, 6.7 kbit/s)	SCANBTSE.AMRCH DIS_5	Average	Average, Maximu m, Minimu m, secccchbh , seclctbh , sectchbh, sectchfrb h, Sum
%_ADAPTIVE_ MULTIRATE_S PEECH_UL_740 0	INTENSI TY	FLOA T	TCH/AFS 7.4 uplink (AMR full rate speech, 7.4 kbit/s)	SCANBTSE.AMRCH DIS_4	Average	Average, Maximu m, Minimu m, secccchbh , seclctbh , sectchbh, sectchfrb h, Sum

%_ADAPTIVE_MULTIRATE_SPEECH_UL_7950	INTENSITY	FLOAT	TCH/AFS 7.95 uplink (AMR full rate speech, 7.95 kbit/s)	SCANBTSE.AMRCHDIS_3	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
AMRVAR_DOWNLINK	INTENSITY	FLOAT	AMRVAR Downlink	SCANBTSE.AMRVAR_2	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
AMRVAR_UPLINK	INTENSITY	FLOAT	AMRVAR Uplink	SCANBTSE.AMRVAR_1	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum

7.5.3 Cell.Siemens.GSM.AMR_HalfRate

Cell related measurements- Adaptive Multirate- Half Rate

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KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_ADAPTIVE_MULTIRATE_SPEECH_DL_4750	INTENSITY	FLOAT	TCH/AHS 4.75 downlink (AMR half rate speech, 4.75 kbit/s)	SCANBTSE.AMRCH DIS_26	Average	Average, Maximum, Minimum, seccchbh, seclctbh, sectchbh, sectchhrbh, Sum
%_ADAPTIVE_MULTIRATE_SPEECH_DL_5150	INTENSITY	FLOAT	TCH/AHS 5.15 downlink (AMR half rate speech, 5.15 kbit/s)	SCANBTSE.AMRCH DIS_25	Average	Average, Maximum, Minimum, seccchbh, seclctbh, sectchbh, sectchhrbh, Sum
%_ADAPTIVE_MULTIRATE_SPEECH_DL_5900	INTENSITY	FLOAT	TCH/AHS 5.9 downlink (AMR half rate speech, 5.9 kbit/s)	SCANBTSE.AMRCH DIS_24	Average	Average, Maximum, Minimum, seccchbh, seclctbh, sectchbh, sectchhrbh, Sum
%_ADAPTIVE_MULTIRATE_SPEECH_DL_670	INTENSITY	FLOAT	TCH/AHS 6.7 downlink (AMR half rate speech, 6.7	SCANBTSE.AMRCH DIS_23	Average	Average, Maximum, Minimum

0			kbit/s)			m, seccchbh , seclctbh , sectchbh, sectchhrb h, Sum
%_ADAPTIVE_ MULTIRATE_ SPEECH_DL_740 0	INTENSI TY	FLOA T	TCH/AHS downlink (AMR half rate speech, 7.4 kbit/s)	SCANBTSE.AMRCH DIS_22	Average	Average, Maximu m, Minimu m, seccchbh , seclctbh , sectchbh, sectchhrb h, Sum
%_ADAPTIVE_ MULTIRATE_ SPEECH_UL_475 0	INTENSI TY	FLOA T	TCH/AHS 4.75 uplink (AMR half rate speech, 4.75 kbit/s)	SCANBTSE.AMRCH DIS_13	Average	Average, Maximu m, Minimu m, seccchbh , seclctbh , sectchbh, sectchhrb h, Sum
%_ADAPTIVE_ MULTIRATE_ SPEECH_UL_515 0	INTENSI TY	FLOA T	TCH/AHS 5.15 uplink (AMR half rate speech, 5.15 kbit/s)	SCANBTSE.AMRCH DIS_12	Average	Average, Maximu m, Minimu m, seccchbh , seclctbh

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						, sectchbh, sectchhrb h, Sum
%_ADAPTIVE_ MULTIRATE_5 PEECH_UL_590 0	INTENSI TY	FLOA T	TCH/AHS 5.9 uplink (AMR half rate speech, 5.9 kbit/s)	SCANBTSE.AMRCH DIS_11	Average	Average, Maximu m, Minimu m, seccchbh , seclctbh , sectchbh, sectchhrb h, Sum
%_ADAPTIVE_ MULTIRATE_6 PEECH_UL_670 0	INTENSI TY	FLOA T	TCH/AHS 6.7 uplink (AMR half rate speech, 6.7 kbit/s)	SCANBTSE.AMRCH DIS_10	Average	Average, Maximu m, Minimu m, seccchbh , seclctbh , sectchbh, sectchhrb h, Sum
%_ADAPTIVE_ MULTIRATE_7 PEECH_UL_740 0	INTENSI TY	FLOA T	TCH/AHS uplink (AMR half rate speech, 7.4 kbit/s)	SCANBTSE.AMRCH DIS_9	Average	Average, Maximu m, Minimu m, seccchbh , seclctbh , sectchbh, sectchhrb h, Sum

7.5.4 Cell.Siemens.GSM.AMR_WBFullRate

Cell related measurements- Adaptive Multirate- wide band fullrate speech.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_ADAPTIVE_MULTIRATE_SPEECH_DL_12650	INTENSITY	FLOAT	TCH/WFS 12.65 kbit/s downlink (AMR wide band fullrate speech, 12.65 kbit/s)	SCANBTSE.AMRCHDIS_30	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
%_ADAPTIVE_MULTIRATE_SPEECH_DL_6600	INTENSITY	FLOAT	TCH/WFS 6.6 kbit/s downlink (AMR wide band fullrate speech, 6.6 kbit/s)	SCANBTSE.AMRCHDIS_32	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
%_ADAPTIVE_MULTIRATE_SPEECH_DL_8850	INTENSITY	FLOAT	TCH/WFS 8.85 kbit/s downlink (AMR wide band fullrate speech, 8.85 kbit/s)	SCANBTSE.AMRCHDIS_31	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, Sum

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%_ADAPTIVE_MULTIRATE_SPEECH_UL_12650	INTENSITY	FLOAT	TCH/WFS 12.65 kbit/s uplink (AMR wide band fullrate speech, 12.65 kbit/s)	SCANBTSE.AMRCHDIS_27	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
%_ADAPTIVE_MULTIRATE_SPEECH_UL_6600	INTENSITY	FLOAT	TCH/WFS 6.6 kbit/s uplink (AMR wide band fullrate speech, 6.6 kbit/s)	SCANBTSE.AMRCHDIS_29	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
%_ADAPTIVE_MULTIRATE_SPEECH_UL_8850	INTENSITY	FLOAT	TCH/WFS 8.85 kbit/s uplink (AMR wide band fullrate speech, 8.85 kbit/s)	SCANBTSE.AMRCHDIS_28	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum

7.5.5 Cell.Siemens.GSM.ASCI

Cell related ASCI measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
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NEW_NOTIF_MESSAGE_ON_NCH	ACCUMULATION	INT8	Number of new Notifications to be sent on the Notification Channel (NCH). This measurement provides the number of times the BSC requires the BTS to start the transmission of a new notification message on the NCH.	SCANBTS.NNNOTNCH_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
TCH_FULL_ASS_ATTEMPTS_FOR_VBS_VGCS	ACCUMULATION	INT8	Number of TCH/F assignment attempts to support a VBS/VGCS broadcast/group channel	SCANBTS.TASSATVS_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
TCH_FULL_ASS_SUCCESSFUL_FOR_VBS_VGCS	ACCUMULATION	INT8	Number of successful assigned TCH/F, supporting a VBS/VGCS broadcast/group channel	SCANBTS.TASSUCVS_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
TCH_HALF_ASS_ATTEMPTS_FOR_VBS_VGCS	ACCUMULATION	INT8	Number of TCH_HALF assignment attempts to support a	SCANBTS.TASSATVS_2	Sum	seccchbh , seclctbh , sectchbh,

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			VBS/VGCS broadcast/group channel			sectchfrbh, Sum
TCH_HALF_ASS_SUCCESFUL_FOR_VBS_VGCS	ACCUMULATION	INT8	Number of successful assigned TCH_HALF, supporting a VBS/VGCS broadcast/group channel	SCANBTS.TASSUCVS_2	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum

7.5.6 Cell.Siemens.GSM.Assignment_SDCCH_and_TCH_Full_Rate

Cell related SDCCH and TCH Full Rate Assignments

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_Failed_assignments_by_msg	PERCENTAGE	FLOAT	Assignment_Failures_By_Message_Rate	$100 * \frac{(\text{Failed_assignments_by_msg})}{(\text{ATTEMPTED_ASS_ON_TCH} + \{\text{Siemens.Assignment_TCH_HalfRate.ATTEMPTED_ASS_ON_TCH}\})}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh
%_Failed_assignments_other	PERCENTAGE	FLOAT	Assignment_Failures_Other_Rate	$100 * \frac{(\text{ATTEMPTED_ASS_ON_TCH} + \{\text{Siemens.Assignment_TCH_HalfRate.ATTEMPTED_ASS_ON_TCH}\} - (\text{SUCCESSFUL_ASS_ON_TCH} + \{\text{Siemens.Assignment_TCH_HalfRate.SUCCESSFUL_ASS_ON_TCH}\} + \{\text{Siemens.InterCell_Handover.SUCCESSFUL_ASS_ON_TCH}\})}{(\text{ATTEMPTED_ASS_ON_TCH} + \{\text{Siemens.Assignment_TCH_HalfRate.ATTEMPTED_ASS_ON_TCH}\})}$	Average	Average, sectchbh

				$\frac{\{ \text{Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_directed_retry} \} + \{ \text{Siemens.Inter_system_handover_success_KPIs.Successful_due_to_directed_retry} \} - \{ \text{Failed_assignments_by_msg} \} - \{ \text{Siemens.Radio_Queuing.Queuing_failures} \} - \{ \text{Siemens.Assignment_SDCCH_and_TCH_Full_Rate.FAILURES_ASS_TCH_DUE_TO_NO_RESOURCE} \} - \{ \text{Siemens.Assignment_TCH_HalfRate.FAILURES_ASS_TCH_DUE_TO_NO_RESOURCE} \}}{(\{ \text{ATTEMPTED_ASS_ON_TCH} \} + \{ \text{Siemens.Assignment_TCH_HalfRate.ATTEMPTED_ASS_ON_TCH} \})}$		
%_Successful_assignment	PERCENTAGE	FLOAT	Assignment_Success_Rate	$100 * \frac{(\{ \text{SUCCESSFUL_ASS_ON_TCH} \} + \{ \text{Siemens.Assignment_TCH_HalfRate.SUCCESSFUL_ASS_ON_TCH} \} + \{ \text{Siemens.InterCell_H}$	Average	Average, sectchbh

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				$\frac{\text{andover.SUCCESSFUL_INTER_HO_DUE_TO_DIRECTED_RETRY} + \{\text{Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_directed_retry}\} + \{\text{Siemens.Inter_system_handover_success_KPIs.Successful_due_to_directed_retry}\}}{(\{\text{ATTEMPTED_ASS_ON_TCH}\} + \{\text{Siemens.Assignment_TCH_HalfRate.ATTEMPTED_ASS_ON_TCH}\})}$		
_%_TCH_loss	PERCENTAGE	FLOAT	TCH_Loss_Rate	$100 * \frac{(\{\text{FAILURES_ASS_TCH_DUE_TO_NO_RESOURCE}\} + \{\text{Siemens.Assignment_TCH_HalfRate.FAILURES_ASS_TCH_DUE_TO_NO_RESOURCE}\})}{(\{\text{ATTEMPTED_ASS_ON_TCH}\} + \{\text{Siemens.Assignment_TCH_HalfRate.ATTEMPTED_ASS_ON_TCH}\})}$	Average	Average, seccchbh, secrlctbh, sectchbh, sectchfrbh, sectchhrbh
ATTEMPTED_ASS_ON_SDCCH	ACCUMULATION	INT8	Total Number of Assignment Attempts per Cell of SDCCH	SCANBTS.TASSATT_1	Sum	seccchbh, secrlctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
ATTEMPTED_ASS_ON_TC	ACCUMULATION	INT8	Total Number of	SCANBTS.TASSATT_2	Sum	seccchbh,

H			Assignment Attempts per Cell of TCH/F			seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
Attempts_assignment	ACCUMULATION	INTEGER	Assignment Attempts	{ATTEMPTED_ASS_ON_TCH}+ {Siemens.Assignment_TCH_HalfRate.ATTEMPTED_ASS_ON_TCH}	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
Failed_assignments_by_msg	ACCUMULATION	INTEGER	Assignment Failures_By_Message	SCANBTS.TASSFAIL_6 + TASSFAIL_7 + TASSFAIL_10 + TASSFAIL_11 + TASSFAIL_12 + TASSFAIL_15	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
FAILURES_ASS_SDCCH_DUE_TO_DIRECTED_RETRY	ACCUMULATION	INT8	Number of Assignment Failures per Cell - SDCCH - Directed retry	SCANBTS.TASSFAIL_4	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
FAILURES_ASS_SDCCH_DUE_TO_INTERFACE_MESSAGE	ACCUMULATION	INT8	Number of Assignment Failures per Cell SDCCH - Radio	SCANBTS.TASSFAIL_1	Sum	seccchbh , seclctbh , sectchbh,

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			interface message failure			sectchfrbh, sectchhrbh, Sum
FAILURES_ASS_SDCCH_DUE_TO_NO_RESOURCE	ACCUMULATION	INT8	Number of Assignment Failures per Cell - SDCCH - No radio resource available	SCANBTS.TASSFAIL_3	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, sectchhrbh, Sum
FAILURES_ASS_SDCCH_DUE_TO_OTHER_CAUSES	ACCUMULATION	INT8	Number of Assignment Failures per Cell SDCCH - All other causes	SCANBTS.TASSFAIL_5	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, sectchhrbh, Sum
FAILURES_ASS_SDCCH_DUE_TO_REVERSION	ACCUMULATION	INT8	Number of Assignment Failures per Cell - SDCCH - Radio interface failure - reversion to old channel	SCANBTS.TASSFAIL_2	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, sectchhrbh, Sum
FAILURES_ASS_TCH_DUE_TO_DIRECTED_RETRY	ACCUMULATION	INT8	Number of Assignment Failures per Cell - TCH/F - Directed retry	SCANBTS.TASSFAIL_9	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, sectchhrbh, Sum
FAILURES_ASS_TCH_DUE	ACCUMULATION	INT8	Number of Assignment	SCANBTS.TASSFAIL_6	Sum	seccchbh,

_TO_INTERF ACE_MESSA GE			Failures per Cell TCH/F - Radio interface message failure			seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
FAILURES_A SS_TCH_DUE _TO_NO_RES OURCE	ACCUMULA TION	INT8	Number of Assignment Failures per Cell - TCH/F - No radio resource available	SCANBTS.TASSFAI L_8	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
FAILURES_A SS_TCH_DUE _TO_OTHER_ CAUSES	ACCUMULA TION	INT8	Number of Assignment Failures per Cell - TCH/F - All other causes	SCANBTS.TASSFAI L_10	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
FAILURES_A SS_TCH_DUE _TO_REVERS ION	ACCUMULA TION	INT8	Number of Assignment Failures per Cell - TCH/F - Radio interface failure	SCANBTS.TASSFAI L_7	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
SUCCESSFUL _ASS_ON_RE DIRECTED_T CH	ACCUMULA TION	INT8	Total Number of Successful Assignments, per Cell of redirected	SCANBTS.TASSSU CC_4	Sum	seccchbh , seclctbh , sectchbh,

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			TCH/Fs			sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_ASS_ON_SDCCH	ACCUMULATION	INT8	Total Number of Successful Assignments, per Cell of SDCCH	SCANBTS.TASSSUCC_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_ASS_ON_TCH	ACCUMULATION	INT8	Total Number of Successful Assignments, per Cell of TCH/F	SCANBTS.TASSSUCC_2	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
Successful_assignment	ACCUMULATION	INTEGER	Assignment_Success	{SUCCESSFUL_ASS_ON_TCH}+ {Siemens.Assignment_TCH_HalfRate.SUCCESSFUL_ASS_ON_TCH}+ {Siemens.InterCell_Handover.SUCCESSFUL_INTER_HO_DUE_TO_DIRECTED_RETRY}+ {Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_directed_retry}+ {Siemens.Inter_system_handover_success_KPIs.Successful_due_to_directed_retry}	Sum	sectchbh, Sum

7.5.7 Cell.Siemens.GSM.Assignment_TCH_HalfRate

Cell related TCH HalfRate Assignments

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
ATTEMPTED_ASS_ON_TCH	ACCUMULATION	INT8	Total Number of Assignment Attempts per Cell of TCH/H	SCANBTS.TASSATT_3	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
FAILURES_ASSTCH_DUE_TO_DIRECTED_RETRY	ACCUMULATION	INT8	Number of Assignment Failures per Cell - TCH/H - Directed retry	SCANBTS.TASSFAIL_14	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
FAILURES_ASSTCH_DUE_TO_INTERFACE_MESSAGE	ACCUMULATION	INT8	Number of Assignment Failures per Cell TCH/H - Radio interface message failure	SCANBTS.TASSFAIL_11	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
FAILURES_ASSTCH_DUE_TO_NO_RESOURCE	ACCUMULATION	INT8	Number of Assignment Failures per Cell - TCH/H - No radio resource	SCANBTS.TASSFAIL_13	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh

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			available			h, sectchhrb h, Sum
FAILURES_AS S_TCH_DUE_ TO_OTHER_C AUSES	ACCUMULA TION	INT8	Number of Assignment Failures per Cell - TCH/H - All other causes	SCANBTS.TASSFAI L_15	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
FAILURES_AS S_TCH_DUE_ TO_REVERSI ON	ACCUMULA TION	INT8	Number of Assignment Failures per Cell - TCH/H - Radio interface failure	SCANBTS.TASSFAI L_12	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
SUCCESSFUL _ASS_ON_RE DIRECTED_T CH	ACCUMULA TION	INT8	Total Number of Successful Assignments, per Cell of redirected TCH/Hs	SCANBTS.TASSSU CC_5	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
SUCCESSFUL _ASS_ON_TC H	ACCUMULA TION	INT8	Total Number of Successful Assignments, per Cell of TCH/H	SCANBTS.TASSSU CC_3	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum

7.5.8 Cell.Siemens.GSM.Attempted_cell_reselection

Attempted cell reselection

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Net_assisted_external_adjacent	ACCUMULATION	INTEGER	Number of attempted network assisted cell reselection where the BSC sends assistance data of external (different BSC) adjacent cell to the MS	SCANGPRS.ATCRO RIG_6	Sum	seclcbh, seclctbh, sectchbh, Sum
Net_assisted_external_GSM	ACCUMULATION	INTEGER	Number of attempted network assisted cell reselection where the BSC selects an external GSM target cell	SCANGPRS.ATCRO RIG_10	Sum	seclcbh, seclctbh, sectchbh, Sum
Net_assisted_external_proposed	ACCUMULATION	INTEGER	Number of attempted network assisted cell reselection where the BSC accepts the external proposed GSM target cell	SCANGPRS.ATCRO RIG_8	Sum	seclcbh, seclctbh, sectchbh, Sum
Net_assisted_internal_adjac	ACCUMULATION	INTEGER	Number of attempted	SCANGPRS.ATCRO RIG_5	Sum	seclcbh, seclctbh

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ent			network assisted cell reselection where the BSC sends assistance data of internal (same BSC) adjacent cell to the MS			, sectchbh, Sum
Net_assisted_internal_GSM	ACCUMULATION	INTEGER	Number of attempted network assisted cell reselection where the BSC selects an internal GSM target cell	SCANGPRS.ATCRO RIG_9	Sum	seclcbh, seclctbh , sectchbh, Sum
Net_assisted_internal_proposed	ACCUMULATION	INTEGER	Number of attempted network assisted cell reselection where the BSC accepts the internal proposed GSM target cell	SCANGPRS.ATCRO RIG_7	Sum	seclcbh, seclctbh , sectchbh, Sum
Net_assisted_reselection	ACCUMULATION	INTEGER	Number of attempted network assisted cell reselection	SCANGPRS.ATCRO RIG_4	Sum	seclcbh, seclctbh , sectchbh, Sum
Net_controlled_inter_BSC_GSM	ACCUMULATION	INTEGER	Number of attempted inter-BSC network controlled cell reselection to a GSM target	SCANGPRS.ATCRO RIG_2	Sum	seclcbh, seclctbh , sectchbh, Sum

			cell			
Net_controlled_intra_BSC_GSM	ACCUMULATION	INTEGER	Number of attempted intra-BSC network controlled cell reselection to a GSM target cell	SCANGPRS.ATCRO RIG_1	Sum	seclcbh, seclctbh, sectchbh, Sum
Net_controlled_UMTS_target	ACCUMULATION	INTEGER	Number of attempted network controlled cell reselection to a UMTS target cell	SCANGPRS.ATCRO RIG_3	Sum	seclcbh, seclctbh, sectchbh, Sum

7.5.9 Cell.Siemens.GSM.BSSGP

Cell related BSSGP layer Measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_BSSGP_USER_SGNL_DATA_DL	PERCENTAGE	FLOAT	% of BSSGP User Data compared with the BSSGP signalling on the Downlink interface	$100 * \frac{(\text{BSSGP_USER_DATA_Throughput_DL}) - (\text{BSSGP_SGNL_DATA_Throughput_DL})}{(\text{BSSGP_USER_DATA_Throughput_DL})}$	Average	Average, seclcbh, seclctbh, sectchbh
%_BSSGP_USER_SGNL_DATA_UL	PERCENTAGE	FLOAT	% of BSSGP User Data compared with the BSSGP signalling on the Uplink interface	$100 * \frac{(\text{BSSGP_USER_DATA_Throughput_UL}) - (\text{BSSGP_SGNL_DATA_Throughput_UL})}{(\text{BSSGP_USER_DATA_Throughput_UL})}$	Average	Average, seclcbh, seclctbh, sectchbh

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				TA_Throughput_UL })/ ({BSSGP_USER_D ATA_Throughput_U L})		
BSSGP_SGN L_DATA_Th roughput_DL	INTENSIT Y	FLOA T	Mean throughput (all DL PDTCHs) on BSSGP Layer Gb IF	SCANGPRS.MSTH BS_2	Average	Average, Maximu m, Minimu m, seclcbh, seclctbh , sectchbh, Sum
BSSGP_SGN L_DATA_Th roughput_UL	INTENSIT Y	FLOA T	Mean throughput (all UL PDTCHs) on BSSGP Layer Gb IF	SCANGPRS.MSTH BS_1	Average	Average, Maximu m, Minimu m, seclcbh, seclctbh , sectchbh, Sum
BSSGP_USE R_DATA_Th roughput_DL	INTENSIT Y	FLOA T	Release BR8 MUTHBS counters moved to Cell.Siemens.GSM. Mean_user_data_th roughput_LLC. Mean throughput (all DL PDTCHs) on BSSGP Layer Gb IF	SCANGPRS.MUTH BS_4+MUTHBS_5+ MUTHBS_6	Average	Average, Maximu m, Minimu m, seclcbh, seclctbh , sectchbh, Sum
BSSGP_USE R_DATA_Th roughput_UL	INTENSIT Y	FLOA T	Release BR8 MUTHBS counters moved to Cell.Siemens.GSM. Mean_user_data_th roughput_LLC. Mean throughput (all UL PDTCHs)	SCANGPRS.MUTH BS_1+MUTHBS_2+ MUTHBS_3	Average	Average, Maximu m, Minimu m, seclcbh, seclctbh ,

			on BSSGP Layer Gb IF			sectchbh, Sum
MEAN_LLC _USER_DATA_THRUPUT_DL	INTENSITY	FLOAT	Release BR8 MUTHBS counters moved to Cell.Siemens.GSM. Mean_user_data_th roughput_LLC. Mean user data throughput LLC downlink	SCANGPRS.MUTH BS_4+MUTHBS_5+ MUTHBS_6	Average	Average, Maximum, Minimum, sectlcbh, sectlctbh , sectchbh, Sum
MEAN_LLC _USER_DATA_THRUPUT_UL	INTENSITY	FLOAT	Release BR8 MUTHBS counters moved to Cell.Siemens.GSM. Mean_user_data_th roughput_LLC. Mean user data throughput LLC uplink	SCANGPRS.MUTH BS_1+MUTHBS_2+ MUTHBS_3	Average	Average, Maximum, Minimum, sectlcbh, sectlctbh , sectchbh, Sum

7.5.10 Cell.Siemens.GSM.Busy_TCH

Busy TCH's

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
MAX_BUSY_TCH_AFS	INTENSITY	INTEGER	Max number of busy TCH/AFS (adaptive multirate fullrate speech traffic channel)	SCANBTS.MAUSTCH_3	Average	Average, Maximum, Minimum, seccchbh , sectlctbh ,

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						sectchbh, Sum
MAX_BUSY_T CH_AHS	INTENSI TY	INTEG ER	Max number of busy TCH/AHS (adaptive multirate half-rate speech traffic channel)	SCANBTS.MAUSTC H_6	Average	Average, Maximum, Minimum, sectchbh , seccchbh , seclctbh , sectchbh, Sum
MAX_BUSY_T CH_EFS	INTENSI TY	INTEG ER	Max number of busy TCH/EFS (enhanced full-rate speech traffic channel)	SCANBTS.MAUSTC H_2	Average	Average, Maximum, Minimum, sectchbh , seccchbh , seclctbh , sectchbh, Sum
MAX_BUSY_T CH_FD	INTENSI TY	INTEG ER	Max number of busy TCH/FD (full-rate data traffic channel)	SCANBTS.MAUSTC H_4	Average	Average, Maximum, Minimum, sectchbh , seccchbh , seclctbh , sectchbh, Sum
MAX_BUSY_T CH_FS	INTENSI TY	INTEG ER	Max number of busy TCH/FS (full-rate speech traffic channel)	SCANBTS.MAUSTC H_1	Average	Average, Maximum, Minimum, sectchbh , seccchbh , seclctbh

						, sectchbh, Sum
MAX_BUSY_T CH_HS	INTENSI TY	INTEG ER	Max number of busy TCH/HS (half-rate speech traffic channel)	SCANBTS.MAUSTC H_5	Average	Average, Maximum, Minimum, sectchbh, seccchbh, seclctbh, sectchbh, Sum
MAX_BUSY_T CH_WFS	INTENSI TY	INTEG ER	Max number of busy TCH/WFS (adaptive multirate wideband full-rate speech traffic channel)	SCANBTS.MAUSTC H_7	Average	Average, Maximum, Minimum, sectchbh, seccchbh, seclctbh, sectchbh, Sum
MBTCHCHT_ AFS	INTENSI TY	FLOA T	Mean number of busy TCH/AFS (adaptive multirate full-rate speech traffic channel)	SCANBTS.MBTCHC HT_3	Average	Average, Maximum, Minimum, sectchbh, seccchbh, seclctbh, sectchbh, Sum
MBTCHCHT_ AHS	INTENSI TY	FLOA T	Mean number of busy TCH/AHS	SCANBTS.MBTCHC HT_6	Average	Average, Maximum, Minimum,

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			(adaptive multirate half-rate speech traffic channel)			Minimum, seccchbh , seclctbh , sectchbh, Sum
MBTCHCHT_EFS	INTENSITY	FLOAT	Mean number of busy TCH/EFS (enhanced full-rate speech traffic channel)	SCANBTS.MBTCHCHT_2	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, Sum
MBTCHCHT_FD	INTENSITY	FLOAT	Mean number of busy TCH/FD (full-rate data traffic channel)	SCANBTS.MBTCHCHT_4	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, Sum
MBTCHCHT_FS	INTENSITY	FLOAT	Mean number of busy TCH/FS (full-rate speech traffic channel)	SCANBTS.MBTCHCHT_1	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, Sum
MBTCHCHT_HS	INTENSITY	FLOAT	Mean number of busy	SCANBTS.MBTCHCHT_5	Average	Average, Maximum

			TCH/HS (half-rate speech traffic channel)			m, Minimum, seccchbh , seclctbh , sectchbh, Sum
MEAN_BUSY_ TCH_WFS	INTENSITY	FLOAT	Mean number of busy TCH/ WFS (adaptive multirate-wide band full-rate speech traffic channel)	SCANBTS.MBTCHC HT_7	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, Sum

7.5.11 Cell.Siemens.GSM.CCCH

Cell related Common Control Channel measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_AGCH_loss	PERCENTAGE	FLOAT	AGCH_Loss_Rate	$100 * \frac{((\{Siemens.CCCH.BSC_ACCESSED_AGCH\} - \{Siemens.CCCH.SUCCESSFUL_AGCH_ACCESS\}))}{(\{Siemens.CCCH.BSC_ACCESSED_AGCH\})}$	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh
AGCH_IAM_	ACCUMULATOR	INT8	Number of	SCANBTS.TACCBP	Sum	seccchbh

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Messages	TION		accesses to the AGCH related to IMMEDIATE ASSIGNMENT messages	RO_2		, seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
AGCH_IAM_REJECT_Messages	ACCUMULATION	INT8	Number of accesses to the AGCH related to IMMEDIATE ASSIGNMENT REJECT messages	SCANBTS.TACCBP RO_3	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
BSC_ACCESS ED_AGCH	ACCUMULATION	INT8	Number of times the BSC accessed the AGCH	SCANBTS.TACCBP RO_2	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
BSC_ACCESS ED_PCH	ACCUMULATION	INT8	Number of times the BSC accessed the PCH	SCANBTS.TACCBP RO_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
DISCARD_M SG_AGCH_Congest_CS_TRAFFIC	ACCUMULATION	INT8	Number of discarded messages from the AGCH queue due to AGCH congestion - CS traffic	SCANBTSE.NTDMA GCH_3	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh

						h, Sum
DISCARD_M SG_AGCH_Co ngest_PS_TRA FFIC	ACCUMULA TION	INT8	Number of discarded messages from the AGCH queue due to AGCH congestion - PS traffic	SCANBTSE.NTDMA GCH_4	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
DISCARD_M SG_AGCH_C S_TRAFFIC	ACCUMULA TION	INT8	Discarded message from the AGCH queue - CS traffic	SCANBTSE.NTDMA GCH_7	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
DISCARD_M SG_AGCH_PS _TRAFFIC	ACCUMULA TION	INT8	Discarded message from the AGCH queue - PS traffic	SCANBTSE.NTDMA GCH_8	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
DISCARD_M SG_AGCH_Ti meout_CS_TR AFFIC	ACCUMULA TION	INT8	Number of discarded messages from the AGCH queue due to timeout - CS traffic	SCANBTSE.NTDMA GCH_5	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
DISCARD_M	ACCUMULA	INT8	Number of	SCANBTSE.NTDMA	Sum	seccchbh

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SG_AGCH_Timeout_PS_Traffic	TION		discarded messages from the AGCH queue due to timeout - PS traffic	GCH_6		, seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
Extended_paging_mode	ACCUMULATION	INTEGER	Number of paging commands causing 'extended paging' mode	SCANBTSE.NTDMPCH_6	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
HO_WITHOUT_ATTEMPT_DUE_TO_CELL_LISTS	ACCUMULATION	INT8	Number of Handover Indications not Resulting in a Handover Attempt - The list of preferred neighbour cell lists given in the intercell handover condition indication was empty.	SCANBTS.NHOINRHA_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
HO_WITHOUT_ATTEMPT_DUE_TO_NO_MSC_REQUEST	ACCUMULATION	INT8	No. of Handover Indications not Resulting in a Handover Attempt - The BSC indicated a handover request towards the	SCANBTS.NHOINRHA_2	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum

			MSC but the MSC did not command the BSC to start the handover nor indicated that the required handover was not possible			
HO_WITHOUT_ATTEMPT_DUE_TO_NO_SUITABLE_CELL	ACCUMULATION	INT8	Number of Handover Indications not Resulting in a Handover Attempt - All cells in the list of preferred neighbour cells have been examined but no cell was suitable for a handover (internal intercell handovers).	SCANBTS.NHOINRHA_3	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
HO_WITHOUT_ATTEMPT_DUE_TO_NO_SUITABLE_CHANNEL	ACCUMULATION	INT8	Number of Handover Indications not Resulting in a Handover Attempt - No suitable channel was found within the same cell (internal	SCANBTS.NHOINRHA_4	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum

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			intracell handovers).			
INVALID_PRACH_MSG_EXCESSIVE_DISTANCE	ACCUMULATION	INT8	Obsolete in BR9 release; Counter not reliable in BR8, Invalid PRACH messages excessive distance	SCANBTSE.NINVPRACH_2	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
INVALID_PRACH_MSG_OTHER	ACCUMULATION	INT8	Obsolete in BR9 release; Counter not reliable in BR8, Invalid PRACH messages other causes	SCANBTSE.NINVPRACH_3	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
INVALID_PRACH_MSG_SIGNAL_WEAK	ACCUMULATION	INT8	Obsolete in BR9 release; Counter not reliable in BR8, Invalid PRACH messages signal level weak	SCANBTSE.NINVPRACH_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
INVALID_RACH_DUE_TO_DISTANCE	ACCUMULATION	INT8	Number of invalid RACH per cause - excessive distance	SCANBTSE.NINVRACH_2	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
INVALID_RACH_DUE_TO_OTHER_CAUSES	ACCUMULATION	INT8	Number of invalid RACH per cause - other causes	SCANBTSE.NINVRACH_3	Sum	seccchbh , seclctbh , sectchbh,

						sectchfrbh, sectchhrbh, Sum
INVALID_RACH_DUE_TO_SIGNAL_TOO_WEAK	ACCUMULATION	INT8	Number of invalid RACH per cause - signal level too weak	SCANBTSE.NINVRACH_1	Sum	secccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
MSG_DISCARDED_PAGING_QUEUE_FOR_CS_TRAFFIC	ACCUMULATION	INT8	Messages discarded from paging queue for CS Traffic	SCANBTSE.NTDMPCH_3	Sum	secccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
MSG_DISCARDED_PAGING_QUEUE_FOR_PS_TRAFFIC	ACCUMULATION	INT8	Messages discarded from paging queue for PS Traffic	SCANBTSE.NTDMPCH_4	Sum	secccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
Paging_reorganisation_mode	ACCUMULATION	INTEGER	Number of paging commands causing 'paging re-organization' mode	SCANBTSE.NTDMPCH_7	Sum	secccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh

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						h, Sum
SUCCESSFUL_AGCH_ACCESS	ACCUMULATION	INT8	Number of Accesses to the AGCH with a Successful Result	SCANBTS.NACSUCPR_2 + NACSUCPR_3	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_AGCH_IAM_CS_ACCESS	ACCUMULATION	INT8	Number of successful accesses to the AGCH related to IMMEDIATE ASSIGNMENT messages for CS traffic	SCANBTS.NACSUCPR_2	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_AGCH_IAM_R_CS_ACCESS	ACCUMULATION	INT8	Number of successful accesses to the AGCH related to IMMEDIATE ASSIGNMENT REJECT messages for CS traffic	SCANBTS.NACSUCPR_3	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_PCH_ACCESS	ACCUMULATION	INT8	Number of Accesses to the PCH with a Successful Result	SCANBTS.NACSUCPR_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_RACH_ACCESS	ACCUMULATION	INT8	Number of Accesses to the RACH with a Successful	SCANBTS.NACSUCPR_4	Sum	seccchbh , seclctbh , sectchbh,

			Result			sectchfrbh, sectchhrbh, Sum
TRANSMIT_MSG_AGCH_CS_TRAFFIC	ACCUMULATION	INT8	Transmitted message on AGCH - CS traffic	SCANBTSE.NTDMA GCH_1	Sum	secccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
TRANSMIT_MSG_AGCH_PS_TRAFFIC	ACCUMULATION	INT8	Transmitted message on AGCH - PS traffic	SCANBTSE.NTDMA GCH_2	Sum	secccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
TRANSMITTED_MESSAGES_FOR_CS_TRAFFIC	ACCUMULATION	INT8	Transmitted Messages for CS Traffic	SCANBTSE.NTDMP CH_1	Sum	secccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
TRANSMITTED_MESSAGES_FOR_PS_TRAFFIC	ACCUMULATION	INT8	Transmitted Messages for PS Traffic	SCANBTSE.NTDMP CH_2	Sum	secccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum

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						h, Sum
TRANSMITTED_UTILIZED_PCH_BLOCK	ACCUMULATION	INT8	Number of transmitted utilized PCH blocks on air	SCANBTSE.NTDMPCH_5	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum

7.5.12 Cell.Siemens.GSM.Cell_reselection_procedure

Cell reselection procedure

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Successful_network_assist_diff_cell	ACCUMULATION	INTEGER	Successful internal NACC due to packet cell change order (PCCO)	SCANGPRS.SUCRO RIG_3	Sum	seclcbh, seclctbh , sectchbh, Sum
Successful_network_assisted	ACCUMULATION	INTEGER	Successful internal NACC due to packet cell change continue (PCCC)	SCANGPRS.SUCRO RIG_2	Sum	seclcbh, seclctbh , sectchbh, Sum
Successful_network_controlled	ACCUMULATION	INTEGER	Successful internal network controlled cell reselection	SCANGPRS.SUCRO RIG_1	Sum	seclcbh, seclctbh , sectchbh, Sum

7.5.13 Cell.Siemens.GSM.Cell_TCH_BH

Busy TCHs (halfrate and fullrate)

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
-----	------	-----------	-------------	------------	--------------------	-------------------

					tor	tors
%_TCH_blocking_dual_rate	INTENSITY	FLOAT	TCH_Blocking_Rate_Dual_Rate	$\left(\left(\frac{\text{Siemens.Standard_TCH_FullRate.TOTAL_TIME_ALL_AVAIL_TCH_ALLOCATED}}{\text{CELL_MEAN_BUSY_TCH_FR}} \right) / \left(\frac{\text{CELL_HR_AND_FR_BUSY_TCH}}{\text{CELL_HR_AND_FR_BUSY_TCH}} \right) \right) + \left(\frac{\text{Siemens.Standard_TCH_HalfRate.TOTAL_TIME_ALL_AVAIL_TCH_ALLOCATED}}{\text{CELL_MEAN_BUSY_TCH_HR}} \right) / \left(\frac{\text{CELL_HR_AND_FR_BUSY_TCH}}{\text{CELL_HR_AND_FR_BUSY_TCH}} \right) \right) / \text{measurement_seconds} \times 100$	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
%_TCH_blocking_full_rate	INTENSITY	FLOAT	TCH_Blocking_Rate_Full_Rate	$\left(\frac{\text{Siemens.Standard_TCH_FullRate.TOTAL_TIME_ALL_AVAIL_TCH_ALLOCATED}}{\text{measurement_seconds}} \right) \times 100$	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
%_TCH_blocking_half_rate	INTENSITY	FLOAT	TCH_Blocking_Rate_Half_Rate	$\left(\frac{\text{Siemens.Standard_TCH_HalfRate.TOTAL_TIME_ALL_AVAIL_TCH_ALLOCATED}}{\text{measurement_seconds}} \right) \times 100$	Average	Average, Maximum, Minimum, seccchbh,

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						seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
%_TCH_seiz _blocked_du al_rate	PERCENTA GE	FLOA T	TCH_Seizure _Blocked_Ra te_Dual_Rate	100 * {Total_Attempted_Seiz ures_Meeting_Blocked_ State}/ {Total_Attempted_Seiz ures_TCH}	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h
%_TCH_traff ic_utilisation _dual	PERCENTA GE	FLOA T	TCH_Traffic _Utilisation_ Dual_Rate	100 * {CELL_HR_AND_FR_ BUSY_TCH}/ (criticalTraffic(({Sieme ns.Standard_TCH_Full Rate.MAX_DEFINED_ TCH} + {Siemens.Standard_TC H_HalfRate.MAX_DEF INED_TCH} + {max_defined_tch_com plete_fr} + {max_defined_tch_com plete_hr}), GOS))	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h
CELL_HR_ AND_FR_B USY_TCH	INTENSITY	FLOA T	Mean number of fullrate busy TCHs (standard, inner area, complete area, single timeslot, double timeslot)	{MEAN_BUSY_CELL _TCH_1}+ {MEAN_BUSY_CELL _TCH_2} + {MEAN_BUSY_CELL _TCH_3}+ {MEAN_BUSY_CELL _TCH_4}	Average	Average, Maximu m, Minimu m, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb

						h, Sum
CELL_MEAN_BUSY_TCH_FR	INTENSITY	FLOAT	Mean number of halfrate busy TCHs (standard, inner area, complete area, single timeslot, double timeslot)	{MEAN_BUSY_CELL_TCH_1}+ {MEAN_BUSY_CELL_TCH_3}	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
CELL_MEAN_BUSY_TCH_HR	INTENSITY	FLOAT	Mean number of total busy TCHs (halfrate and fullrate)	{MEAN_BUSY_CELL_TCH_2}+ {MEAN_BUSY_CELL_TCH_4}	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
max_defined_tch_complete_fr	INTENSITY	INTEGER	max_defined_tch_complete_fr	SCANBTS_CONCENTRIC.NRDEFTCH_14	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh

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						h, sectchhrb h, Sum
max_defined _tch_comple e_hr	INTENSITY	INTEG ER	max_defined _tch_comple e_hr	SCANBTS_CONCENT RIC.NRDEFTCH_17	Average	Average, Maximu m, Minimu m, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
Mean_Availa ble_TCH_Co mplete	INTENSITY	FLOA T	Mean_Availa ble_TCH_Co mplete	SCANBTS.NAVTCH_ 3 + (0.5 * NAVTCH_6) or(SCANBTS_CONCE NTRIC.NAVTCH_9 + NAVTCH_15) + (0.5*(NAVTCH_12 + NAVTCH_18)) or(SCANBTS_EXTEN DED.NAVTCH_21 + NAVTCH_27) + (0.5*(NAVTCH_24 + NAVTCH_30))	Average	Average, Maximu m, Minimu m, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
MEAN_BUS Y_CELL_TC H_1	INTENSITY	FLOA T	Mean no. of fullrate busy TCHs standard, inner area or single timeslot	SCANBTS.MEBUSTC H_1 or SCANBTS_ADD.MEB USTCH_1	Average	Average, Maximu m, Minimu m, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb

						h, Sum
MEAN_BUS Y_CELL_TC H_2	INTENSITY	FLOA T	Mean no. of half-rate busy TCHs standard, inner area or single timeslot	SCANBTS.MEBUSTC H_2 or SCANBTS_ADD.MEB USTCH_2	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
MEAN_BUS Y_CELL_TC H_3	INTENSITY	FLOA T	Mean no. of full-rate busy TCHs complete area or double timeslot	SCANBTS_ADD.MEB USTCH_3	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
MEAN_BUS Y_CELL_TC H_4	INTENSITY	FLOA T	Mean no. of half-rate busy TCHs complete area or double timeslot	SCANBTS_ADD.MEB USTCH_4	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrb

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						h, sectchhrb h, Sum
Mean_Define d_TCH_Com plete	INTENSITY	FLOA T	Mean_Define d_TCH_Com plete	SCANBTS.NRDEFTC H_3 + (0.5 * NRDEFTCH_6) or(SCANBTS_CONCE NTRIC.NRDEFTCH_9 + NRDEFTCH_15) + (0.5*(NRDEFTCH_12 + NRDEFTCH_18)) or(SCANBTS_EXTEN DED.NRDEFTCH_21 + NRDEFTCH_27) + (0.5*(NRDEFTCH_24 + NRDEFTCH_30))	Average	Average, Maximu m, Minimu m, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
Offered_load	ERLANG	FLOA T	Offered_Loa d	criticalTraffic(({Sieme ns.Standard_TCH_Full Rate.MAX_DEFINED_ TCH} + {Siemens.Standard_TC H_HalfRate.MAX_DEF INED_TCH} + {max_defined_tch_com plete_fr} + {max_defined_tch_com plete_hr}), GOS)	Sum	Average, Maximu m, Minimu m, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
TCH_full_rat e_traffic_dist	PERCENTA GE	FLOA T	TCH_Full_R ate_Traffic_ Dist	100 * ({Siemens.Cell_TCH_B H.CELL_MEAN_BUS Y_TCH_FR})/ ({Siemens.Cell_TCH_B H.CELL_HR_AND_FR _BUSY_TCH})	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h
TCH_half_ra te_traffic_dis	PERCENTA GE	FLOA T	TCH_Half_R ate_Traffic_	100 * ({Siemens.Cell_TCH_B	Average	Average, seccchbh

t			Dist	$\frac{H.CELL_MEAN_BUSY_TCH_HR}}{({Siemens.Cell_TCH_BH.CELL_HR_AND_FR_BUSY_TCH})}$, seclctbh , sectchbh, sectchfrb h, sectchhrb h
tch_traffic_carried	ERLANG	FLOAT	tch_traffic_carried	$(SCANBTS.MEBUSTCH_1 + SCANBTS.MEBUSTCH_2) \text{ or } (SCANBTS_ADD.MEBUSTCH_1 + SCANBTS_ADD.MEBUSTCH_2 + SCANBTS_ADD.MEBUSTCH_3 + SCANBTS_ADD.MEBUSTCH_4)$	Sum	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
Total_Attempted_Seizures_Meeting_Blocked_State	ACCUMULATION	INTEGER	Total_Attempted_Seizures_Meeting_Blocked_State	$SCANBTS.ATCHSMBS_1 + ATCHSMBS_2 + ATCHSMBS_3 + ATCHSMBS_4 \text{ or } SCANBTS_CONCENTRIC.ATCHSMBS_3 + ATCHSMBS_4 + ATCHSMBS_5 + ATCHSMBS_6 + ATCHSMBS_7 + ATCHSMBS_8 \text{ or } SCANBTS_EXTENDED.ATCHSMBS_3 + ATCHSMBS_4 + ATCHSMBS_9 + ATCHSMBS_10 + ATCHSMBS_11 +$	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum

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				ATCHSMBS_12		
Total_Attempted_Seizures_TCH	ACCUMULATION	INTEGER	Total_Attempted_Seizures_TCH	SCANBTS.ATTCHSEI_1 + ATTCHSEI_2	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum

7.5.14 Cell.Siemens.GSM.CH_allocation_reqs_not_served

Channel allocation requests not served

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
AMR_WB_F R_higher_layer	ACCUMULATION	INTEGER	This measurement provides the number of CHANNEL ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the service - CS speech AMR-WB fullrate GMSK	SCANBTS.CHALNHLY_10	Sum	seccchbh , seclctbh , sectchbh, Sum
AMR_WB_F R_not_served	ACCUMULATION	INTEGER	This measurement provides the number of CHANNEL	SCANBTS.CHALNHLY_20	Sum	seccchbh , seclctbh , sectchbh,

			ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the service - CS speech AMR-WB fullrate GMSK			Sum
ASCI_higher_layer	ACCUMULATION	INTEGER	This measurement provides the number of CHANNEL ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. ASCI, not in the highest layer	SCANBTS.CHALNHLY_9	Sum	seccchbh , seclctbh , sectchbh, Sum
ASCI_not_served	ACCUMULATION	INTEGER	This measurement provides the	SCANBTS.CHALNHLY_19	Sum	seccchbh , seclctbh

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			number of CHANNEL ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. ASCI, not served			, sectchbh, Sum
CS_data_higher_layer	ACCUMULATION	INTEGER	This measurement provides the number of CHANNEL ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. CS data, not in the highest layer	SCANBTS.CHALNHLY_5	Sum	seccchbh , secrldtchbh , sectchbh, Sum
CS_data_not_served	ACCUMULATION	INTEGER	This measurement provides the number of CHANNEL ALLOCATION REQUESTs	SCANBTS.CHALNHLY_15	Sum	seccchbh , secrldtchbh , sectchbh, Sum

			not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. CS data, not served			
CS_speech_AMR_FR_higher_layer	ACCUMULATION	INTEGER	This measurement provides the number of CHANNEL ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. CS speech AMR FR, not in the highest layer	SCANBTS.CHANNELY_3	Sum	seccchbh , seclctbh , sectchbh, Sum
CS_speech_AMR_FR_not_served	ACCUMULATION	INTEGER	This measurement provides the number of CHANNEL	SCANBTS.CHANNELY_13	Sum	seccchbh , seclctbh , sectchbh,

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			ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. CS speech AMR FR, not served			Sum
CS_speech_AMR_HR_higher_layer	ACCUMULATION	INTEGER	This measurement provides the number of CHANNEL ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. CS speech AMR HR, not in the highest layer	SCANBTS.CHALNHLY_4	Sum	seccchbh , seclctbh , sectchbh, Sum
CS_speech_AMR_HR_not_served	ACCUMULATION	INTEGER	This measurement provides the number of CHANNEL ALLOCATION REQUESTs	SCANBTS.CHALNHLY_14	Sum	seccchbh , seclctbh , sectchbh, Sum

			not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. CS speech AMR HR, not served			
CS_speech_higher_layer	ACCUMULATION	INTEGER	This measurement provides the number of CHANNEL ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. CS speech, not in the highest layer	SCANBTS.CHALNHLY_2	Sum	seccchbh , seclctbh , sectchbh, Sum
CS_speech_not_served	ACCUMULATION	INTEGER	This measurement provides the number of	SCANBTS.CHALNHLY_12	Sum	seccchbh , seclctbh ,

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			CHANNEL ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. CS speech, not served			sectchbh, Sum
EGPRS_high er_layer	ACCUMULA TION	INTEG ER	This measurement provides the number of CHANNEL ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. EGPRS, not in the highest layer	SCANBTS.CHALNH LY_8	Sum	seccchbh , seclctbh , sectchbh, Sum
EGPRS_not_ served	ACCUMULA TION	INTEG ER	This measurement provides the number of CHANNEL ALLOCATION	SCANBTS.CHALNH LY_18	Sum	seccchbh , seclctbh , sectchbh, Sum

			N REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. EGPRS, not served			
GPRS_higher_layer	ACCUMULATION	INTEGER	This measurement provides the number of CHANNEL ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. GPRS, not in the highest layer	SCANBTS.CHANNEL_7	Sum	seccchbh , seclctbh , sectchbh, Sum
GPRS_not_served	ACCUMULATION	INTEGER	This measurement provides the number of	SCANBTS.CHANNEL_17	Sum	seccchbh , seclctbh ,

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			CHANNEL ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. GPRS, not served			sectchbh, Sum
HSCSD_higher_layer	ACCUMULATION	INTEGER	This measurement provides the number of CHANNEL ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. HSCSD, not in the highest layer	SCANBTS.CHALNHLY_6	Sum	seccchbh , seclctbh , sectchbh, Sum
HSCSD_not_served	ACCUMULATION	INTEGER	This measurement provides the number of CHANNEL ALLOCATION REQUESTs	SCANBTS.CHALNHLY_16	Sum	seccchbh , seclctbh , sectchbh, Sum

			not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. HSCSD, not served			
Requests_A MR_WB_FR	ACCUMULA TION	INTEG ER	This measurement provides the number of CHANNEL ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the service - CS speech AMR-WB fullrate GMSK	SCANBTS.CHALNH LY_30	Sum	seccchbh , seclctbh , sectchbh, Sum
Requests_AS CI	ACCUMULA TION	INTEG ER	This measurement provides the number of CHANNEL	SCANBTS.CHALNH LY_29	Sum	seccchbh , seclctbh , sectchbh,

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			ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. Total number of requests for ASCI			Sum
Requests_CS _speech_AMR_FR	ACCUMULATION	INTEGER	This measurement provides the number of CHANNEL ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. Total number of requests for CS speech AMR FR	SCANBTS.CHALNHLY_23	Sum	seccchbh , seclctbh , sectchbh, Sum
Requests_CS _speech_AMR_HR	ACCUMULATION	INTEGER	This measurement provides the number of CHANNEL	SCANBTS.CHALNHLY_24	Sum	seccchbh , seclctbh , sectchbh,

			ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. Total number of requests for CS speech AMR HR			Sum
Requests_CS_speech	ACCUMULATION	INTEGER	This measurement provides the number of CHANNEL ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. Total number of requests for CS speech	SCANBTS.CHANNELY_22	Sum	seccchbh , seclctbh , sectchbh, Sum

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Requests_data	ACCUMULATION	INTEGER	This measurement provides the number of CHANNEL ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. Total number of requests for CS data	SCANBTS.CHALNHLY_25	Sum	seccchbh , seclctbh , sectchbh, Sum
Requests_EGPRS	ACCUMULATION	INTEGER	This measurement provides the number of CHANNEL ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. Total number of requests for EGPRS	SCANBTS.CHALNHLY_28	Sum	seccchbh , seclctbh , sectchbh, Sum
Requests_GP	ACCUMULATION	INTEGER	This	SCANBTS.CHALNH	Sum	seccchbh

RS	TION	ER	measurement provides the number of CHANNEL ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. Total number of requests for GPRS	LY_27		, seclctbh , sectchbh, Sum
Requests_HS CSD	ACCUMULATION	INTEGER	This measurement provides the number of CHANNEL ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. Total number of	SCANBTS.CHALNH LY_26	Sum	seccchbh , seclctbh , sectchbh, Sum

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			requests for HSCSD			
Requests_SD CCH	ACCUMULATION	INTEGER	This measurement provides the number of CHANNEL ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. Total number of requests for signalling (SDCCH)	SCANBTS.CHALNH LY_21	Sum	seccchbh , seclctbh , sectchbh, Sum
SDCCH_higher_layer	ACCUMULATION	INTEGER	This measurement provides the number of CHANNEL ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. Signalling	SCANBTS.CHALNH LY_1	Sum	seccchbh , seclctbh , sectchbh, Sum

			(SDCCH), not in the highest layer			
SDCCH_not_served	ACCUMULATION	INTEGER	This measurement provides the number of CHANNEL ALLOCATION REQUESTs not served in the highest priority layer or not served at all, even if resources are available in the cell but they are in layers not allowed to the particular service. Signalling (SDCCH), not served	SCANBTS.CHALNHLY_11	Sum	seccchbh , seclctbh , sectchbh, Sum

7.5.15 Cell.Siemens.GSM.Clear_Message

Cell related Clear_Message measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
_Call_drop	PERCENTAGE	FLOAT	Call_Drop_Rate	$100 * (\{TCH_drop\}) / ((\{Total_clear_command_msgs\} - (\{CLR_REQ_MSG_RADIO_RESOURCE_UNAVAILABLE_TCHF\}) +$	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrb

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				{CLR_REQ_MSG_RADIO_RESOURCE_UNAVAILABLE_TCHH}) - ({Siemens.Assignment_SDCCH_and_TCH_Full_Rate.FAILURES_ASS_TCH_DUE_TO_INTERFACE_MESSAGE} + {Siemens.Assignment_SDCCH_and_TCH_Full_Rate.FAILURES_ASS_TCH_DUE_TO_REVERSION} + {Siemens.Assignment_SDCCH_and_TCH_Full_Rate.FAILURES_ASS_TCH_DUE_TO_NO_RESOURCE} + {Siemens.Assignment_TCH_HalfRate.FAILURES_ASS_TCH_DUE_TO_INTERFACE_MESSAGE} + {Siemens.Assignment_TCH_HalfRate.FAILURES_ASS_TCH_DUE_TO_REVERSION} + {Siemens.Assignment_TCH_HalfRate.FAILURES_ASS_TCH_DUE_TO_NO_RESOURCE}))		h, sectchhrbh
_TCH_drop	PERCENTAGE	FLOAT	TCH_Drop_Rate	100 * ({TCH_drop}) / ({Siemens.Standard_TCH_FullRate.SUCCESSFUL_SEIZURES_TCH} + {Siemens.Standard_TCH_HalfRate.SUCCESSFUL_SEIZURES_TCH})	Average	Average, seccchbh, seclctbh, sectchbh, sectchfrbh, sectchhrbh

						h
CLR_CMDMSG_BSS_INITIATED_SDCCH	ACCUMULATION	INT8	Clear Command Message BSS initiated SDCCH	SCANBTS.NRCLRC MD_13	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
CLR_CMDMSG_BSS_INITIATED_TCHF	ACCUMULATION	INT8	Clear Command Message BSS initiated TCH/F	SCANBTS.NRCLRC MD_1	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
CLR_CMDMSG_BSS_INITIATED_TCHH	ACCUMULATION	INT8	Clear Command Message BSS initiated TCH/H	SCANBTS.NRCLRC MD_7	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
CLR_CMDMSG_CALL_CONTROL_SDCCH	ACCUMULATION	INT8	Clear Command Message Call Control SDCCH	SCANBTS.NRCLRC MD_14	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
CLR_CMDMSG	ACCUMULATION	INT8	Clear	SCANBTS.NRCLRC	Sum	seccchbh

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G_CALL_CON TROL_TCHF	TION		Command Message Call Control TCH/F	MD_2		, seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
CLR_CMD_MS G_CALL_CON TROL_TCHH	ACCUMULA TION	INT8	Clear Command Message Call Control TCH/H	SCANBTS.NRCLRC MD_8	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
CLR_CMD_MS G_EQUIPMEN T_FAILURE_S DCCH	ACCUMULA TION	INT8	Clear Command Message Equipment Failure SDCCH	SCANBTS.NRCLRC MD_16	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
CLR_CMD_MS G_EQUIPMEN T_FAILURE_T CHF	ACCUMULA TION	INT8	Clear Command Message Equipment Failure TCH/F	SCANBTS.NRCLRC MD_4	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
CLR_CMD_MS G_EQUIPMEN T_FAILURE_T CHH	ACCUMULA TION	INT8	Clear Command Message Equipment Failure TCH/H	SCANBTS.NRCLRC MD_10	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb

						h, Sum
CLR_CMD_MS G_HANOVER R_SUCCESSFUL UL_SDCCH	ACCUMULATION	INT8	Clear Command Message Handover Successful SDCCH	SCANBTS.NRCLRC MD_15	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
CLR_CMD_MS G_HANOVER R_SUCCESSFUL UL_TCHF	ACCUMULATION	INT8	Clear Command Message Handover Successful TCH/F	SCANBTS.NRCLRC MD_3	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
CLR_CMD_MS G_HANOVER R_SUCCESSFUL UL_TCHH	ACCUMULATION	INT8	Clear Command Message Handover Successful TCH/H	SCANBTS.NRCLRC MD_9	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
CLR_CMD_MS G_OTHERS_S DCCH	ACCUMULATION	INT8	Clear Command Message Others SDCCH	SCANBTS.NRCLRC MD_18	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
CLR_CMD_MS	ACCUMULATION	INT8	Clear	SCANBTS.NRCLRC	Sum	seccchbh

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G_OTHERS_T CHF	TION		Command Message Others TCH/ F	MD_6		, secrctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
CLR_CMD_MS G_OTHERS_T CHH	ACCUMULA TION	INT8	Clear Command Message Others TCH/ H	SCANBTS.NRCLRC MD_12	Sum	seccchbh , secrctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
CLR_CMD_MS G_PROTOCOL _ERROR_SDC CH	ACCUMULA TION	INT8	Clear Command Message Protocol Error SDCCH	SCANBTS.NRCLRC MD_17	Sum	seccchbh , secrctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
CLR_CMD_MS G_PROTOCOL _ERROR_TCH F	ACCUMULA TION	INT8	Clear Command Message Protocol Error TCH/F	SCANBTS.NRCLRC MD_5	Sum	seccchbh , secrctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
CLR_CMD_MS G_PROTOCOL _ERROR_TCH H	ACCUMULA TION	INT8	Clear Command Message Protocol Error TCH/ H	SCANBTS.NRCLRC MD_11	Sum	seccchbh , secrctbh , sectchbh, sectchfrb h, sectchhrb

						h, Sum
CLR_REQ_MS G_DISTANCE_ SDCCH	ACCUMULA TION	INT8	Number of clear request messages distance SDCCH	SCANBTS.NRCLRR EQ_24	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
CLR_REQ_MS G_DISTANCE_ TCHF	ACCUMULA TION	INT8	Number of clear request messages distance TCH/F	SCANBTS.NRCLRR EQ_6	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
CLR_REQ_MS G_DISTANCE_ TCHH	ACCUMULA TION	INT8	Number of clear request messages distance TCH/H	SCANBTS.NRCLRR EQ_15	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
CLR_REQ_MS G_EQUIPMEN T_FAILURE_S DCCH	ACCUMULA TION	INT8	Number of clear request messages equipment failure SDCCH	SCANBTS.NRCLRR EQ_19	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
CLR_REQ_MS	ACCUMULA	INT8	Number of	SCANBTS.NRCLRR	Sum	seccchbh

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G_EQUIPMENT_FAILURE_TCH	TION		clear request messages equipment failure TCH/F	EQ_1		, seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
CLR_REQ_MSG_EQUIPMENT_FAILURE_TCH	ACCUMULATION	INT8	Number of clear request messages equipment failure TCH/H	SCANBTS.NRCLRR EQ_10	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
CLR_REQ_MSG_OM_INTERVENTION_SDCCH	ACCUMULATION	INT8	Number of clear request messages OM intervention SDCCH	SCANBTS.NRCLRR EQ_25	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
CLR_REQ_MSG_OM_INTERVENTION_TCHF	ACCUMULATION	INT8	Number of clear request messages OM intervention TCH/F	SCANBTS.NRCLRR EQ_8	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
CLR_REQ_MSG_OM_INTERVENTION_TCHH	ACCUMULATION	INT8	Number of clear request messages OM intervention TCH/H	SCANBTS.NRCLRR EQ_17	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh

						h, Sum
CLR_REQ_MS G_OTHERS_S DCCH	ACCUMULA TION	INT8	Number of clear request messages others SDCCH	SCANBTS.NRCLRR EQ_26	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
CLR_REQ_MS G_OTHERS_T CHF	ACCUMULA TION	INT8	Number of clear request messages others TCH/ F	SCANBTS.NRCLRR EQ_9	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
CLR_REQ_MS G_OTHERS_T CHH	ACCUMULA TION	INT8	Number of clear request messages others TCH/ H	SCANBTS.NRCLRR EQ_18	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
CLR_REQ_MS G_PREEMPTI ON_TCHF	ACCUMULA TION	INT8	Number of clear request messages preemption TCH/F	SCANBTS.NRCLRR EQ_7	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
CLR_REQ_MS	ACCUMULA	INT8	Number of	SCANBTS.NRCLRR	Sum	seccchbh

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G_PREEMPTION_TCHH	TION		clear request messages preemption TCH/H	EQ_16		, seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
CLR_REQ_MESSAGE_PROTOCOL_ERROR_SDCCH	ACCUMULATION	INT8	Number of clear request messages protocol error SDCCH	SCANBTS.NRCLRR EQ_23	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
CLR_REQ_MESSAGE_PROTOCOL_ERROR_TCHF	ACCUMULATION	INT8	Number of clear request messages protocol error TCH/F	SCANBTS.NRCLRR EQ_5	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
CLR_REQ_MESSAGE_PROTOCOL_ERROR_TCHH	ACCUMULATION	INT8	Number of clear request messages protocol error TCH/H	SCANBTS.NRCLRR EQ_14	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
CLR_REQ_MESSAGE_RADIO_INTERFACE_FAILURE_SDCCH	ACCUMULATION	INT8	Number of clear request messages radio interface failure SDCCH	SCANBTS.NRCLRR EQ_20	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh

						h, Sum
CLR_REQ_MSG_RADIO_INTERFACE_FAILURE_TCHF	ACCUMULATION	INT8	Number of clear request messages radio interface failure TCH/F	SCANBTS.NRCLRR EQ_2	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
CLR_REQ_MSG_RADIO_INTERFACE_FAILURE_TCHH	ACCUMULATION	INT8	Number of clear request messages radio interface failure TCH/H	SCANBTS.NRCLRR EQ_11	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
CLR_REQ_MSG_RADIO_INTERFACE_MSG_FAILURE_SDCCH	ACCUMULATION	INT8	Number of clear request messages radio interface message failure SDCCH	SCANBTS.NRCLRR EQ_21	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
CLR_REQ_MSG_RADIO_INTERFACE_MSG_FAILURE_TCHF	ACCUMULATION	INT8	Number of clear request messages radio interface message failure TCH/F	SCANBTS.NRCLRR EQ_3	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
CLR_REQ_MS	ACCUMULA	INT8	Number of	SCANBTS.NRCLRR	Sum	seccchbh

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G_RADIO_INTERFACE_MSG_FAILURE_TCHH	TION		clear request messages radio interface message failure TCH/H	EQ_12		, seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
CLR_REQ_MS G_RADIO_RESOURCE_UNAVAILABLE_SDCCH	ACCUMULATION	INT8	Number of clear request messages radio resource unavailable SDCCH	SCANBTS.NRCLRR EQ_22	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
CLR_REQ_MS G_RADIO_RESOURCE_UNAVAILABLE_TCHF	ACCUMULATION	INT8	Number of clear request messages radio resource unavailable TCH/F	SCANBTS.NRCLRR EQ_4	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
CLR_REQ_MS G_RADIO_RESOURCE_UNAVAILABLE_TCHH	ACCUMULATION	INT8	Number of clear request messages radio resource unavailable TCH/H	SCANBTS.NRCLRR EQ_13	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
Mean_time_between_TCH_drop	INTENSITY	FLOAT	Mean_Time_Between_TCH_Drop	thresholddiv({Siemens.Cell_TCH_BH.tch_traffic_carried} * 3600 , {TCH_drop},0,0)	Average	Average, Maximum, Minimum, seccchbh , seclctbh

						, sectchbh, sectchfrbh, sectchhrbh, Sum
Normal_Call_Releases_Ms_No_namr_Bad_Qual	ACCUMULATION	INTEGER	Number of normal call releases originated by the MS of non-AMR calls with bad radio quality	SCANBTSE.NCRLB RQU_1	Sum	secccchbh, secrletbh, sectchbh, sectchfrbh, sectchhrbh, Sum
Reset_Utdoa_Mr_Calls_With_Bad_Radio_Qual	ACCUMULATION	INTEGER	Number of normal call releases originated by the network of AMR calls with bad radio quality.	SCANBTSE.NCRLB RQU_4	Sum	secccchbh, secrletbh, sectchbh, sectchfrbh, sectchhrbh, Sum
Reset_Utdoa_Nonamr_Calls_With_Bad_Qual	ACCUMULATION	INTEGER	Number of normal call releases originated by the network of non-AMR calls with bad radio quality	SCANBTSE.NCRLB RQU_3	Sum	secccchbh, secrletbh, sectchbh, sectchfrbh, sectchhrbh, Sum
Reset_Utdoa_Positionings_Ms_Ofmr_Calls_With_Bad_Qual	ACCUMULATION	INTEGER	Number of normal call releases originated	SCANBTSE.NCRLB RQU_2	Sum	secccchbh, secrletbh,

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			by the MS of AMR calls with bad radio quality			sectchbh, sectchfrbh, sectchhrbh, Sum
SDCCH_drops_CS	INTENSITY	FLOAT	SDCCH_Drop_CS	thresholddiv({Siemens.SDCCH.SDCCH_drops} * {Siemens.Immediate_Assignment.Successful_immediate_assign_CS}, {Siemens.Immediate_Assignment.Successful_immediate_assign}, 0,0)	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
TCH_drop	ACCUMULATION	INTEGER	TCH_Drop	SCANBTS.NRCLRREQ_1 + NRCLRREQ_2 + NRCLRREQ_3 + NRCLRREQ_5 + NRCLRREQ_6 + NRCLRREQ_7 + NRCLRREQ_8 + NRCLRREQ_9 + NRCLRREQ_10 + NRCLRREQ_11 + NRCLRREQ_12 + NRCLRREQ_14 + NRCLRREQ_15 + NRCLRREQ_16 + NRCLRREQ_17 + NRCLRREQ_18	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
Total_clear_command_msgs	ACCUMULATION	INTEGER	Total_clear_command_msgs	SCANBTS.NRCLRCMD_1 + NRCLRCMD_2 + NRCLRCMD_4 + NRCLRCMD_5 + NRCLRCMD_6 + NRCLRCMD_7 + NRCLRCMD_8 +	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh

				NRCLRCMD_10 + NRCLRCMD_11 + NRCLRCMD_12		h, Sum
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7.5.16 Cell.Siemens.GSM.Concen_cell_mean_busy_CHs_SLCA

Concentric cell mean busy channels SLCA

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
L0_Con_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Concentric cell Each CS FR call counts as "1" busy channel. Layer no 0	SCANBTS_CONCENTRIC.MEBUTSLY_73	Sum	seccchbh , seclctbh , sectchbh, Sum
L0_Con_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Concentric cell Each CS HR call counts as "1/2 " busy channel. Layer no 0	SCANBTS_CONCENTRIC.MEBUTSLY_74	Sum	seccchbh , seclctbh , sectchbh, Sum
L0_Con_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Concentric cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 0	SCANBTS_CONCENTRIC.MEBUTSLY_75	Sum	seccchbh , seclctbh , sectchbh, Sum
L1_Con_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Concentric cell Each CS FR call counts as "1" busy channel. Layer no 1	SCANBTS_CONCENTRIC.MEBUTSLY_76	Sum	seccchbh , seclctbh , sectchbh, Sum
L1_Con_cell	ACCUMULATION	FLOAT	Concentric	SCANBTS_CONCENTRIC	Sum	seccchbh

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L1_CS_HR_call_count	ACCUMULATION	Float	Concentric cell Each CS HR call counts as "1/2 " busy channel. Layer no 1	RIC.MEBUTSLY_77	Sum	seccchbh , seclctbh, sectchbh, Sum
L1_Con_cell_PDCH_in_charge_PCU	ACCUMULATION	Float	Concentric cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 1	SCANBTS_CONCENTRIC.MEBUTSLY_78	Sum	seccchbh , seclctbh , sectchbh, Sum
L10_Con_cell_CS_FR_call_count	ACCUMULATION	Float	Concentric cell Each CS FR call counts as "1" busy channel. Layer no 10	SCANBTS_CONCENTRIC.MEBUTSLY_103	Sum	seccchbh , seclctbh , sectchbh, Sum
L10_Con_cell_CS_HR_call_count	ACCUMULATION	Float	Concentric cell Each CS HR call counts as "1/2 " busy channel. Layer no 10	SCANBTS_CONCENTRIC.MEBUTSLY_104	Sum	seccchbh , seclctbh , sectchbh, Sum
L10_Con_cell_PDCH_in_charge_PCU	ACCUMULATION	Float	Concentric cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 10	SCANBTS_CONCENTRIC.MEBUTSLY_105	Sum	seccchbh , seclctbh , sectchbh, Sum
L11_Con_cell_CS_FR_call_count	ACCUMULATION	Float	Concentric cell Each CS FR call counts as "1" busy channel. Layer no 11	SCANBTS_CONCENTRIC.MEBUTSLY_106	Sum	seccchbh , seclctbh , sectchbh, Sum
L11_Con_cell_CS_HR_call_count	ACCUMULATION	Float	Concentric cell Each CS HR call counts	SCANBTS_CONCENTRIC.MEBUTSLY_107	Sum	seccchbh , seclctbh

			as "1/2 " busy channel. Layer no 11			, sectchbh, Sum
L11_Con_cell PDCH_in charge_PCU	ACCUMULA TION	FLOA T	Concentric cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 11	SCANBTS_CONCENT RIC.MEBUTSLY_108	Sum	seccchbh , secrletbh , sectchbh, Sum
L2_Con_cell CS_FR_cal l_count	ACCUMULA TION	FLOA T	Concentric cell Each CS FR call counts as "1" busy channel. Layer no 2	SCANBTS_CONCENT RIC.MEBUTSLY_79	Sum	seccchbh , secrletbh , sectchbh, Sum
L2_Con_cell CS_HR_cal l_count	ACCUMULA TION	FLOA T	Concentric cell Each CS HR call counts as "1/2 " busy channel. Layer no 2	SCANBTS_CONCENT RIC.MEBUTSLY_80	Sum	seccchbh , secrletbh , sectchbh, Sum
L2_Con_cell PDCH_in charge_PCU	ACCUMULA TION	FLOA T	Concentric cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 2	SCANBTS_CONCENT RIC.MEBUTSLY_81	Sum	seccchbh , secrletbh , sectchbh, Sum
L3_Con_cell CS_FR_cal l_count	ACCUMULA TION	FLOA T	Concentric cell Each CS FR call counts as "1" busy channel. Layer no 3	SCANBTS_CONCENT RIC.MEBUTSLY_82	Sum	seccchbh , secrletbh , sectchbh, Sum
L3_Con_cell	ACCUMULA	FLOA	Concentric	SCANBTS_CONCENT	Sum	seccchbh

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L3_Con_cell_CS_FR_call_count	ACCUMULATION	INTEGER	Concentric cell Each CS FR call counts as "1" busy channel. Layer no 3	SCANBTS_CONCENTRIC.MEBUTSLY_83	Sum	seccchbh, secrldtch, sectchbh, Sum
L3_Con_cell_CS_HR_call_count	ACCUMULATION	INTEGER	Concentric cell Each CS HR call counts as "1/2 " busy channel. Layer no 3	SCANBTS_CONCENTRIC.MEBUTSLY_83	Sum	seccchbh, secrldtch, sectchbh, Sum
L3_Con_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Concentric cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 3	SCANBTS_CONCENTRIC.MEBUTSLY_84	Sum	seccchbh, secrldtch, sectchbh, Sum
L4_Con_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Concentric cell Each CS FR call counts as "1" busy channel. Layer no 4	SCANBTS_CONCENTRIC.MEBUTSLY_85	Sum	seccchbh, secrldtch, sectchbh, Sum
L4_Con_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Concentric cell Each CS HR call counts as "1/2 " busy channel. Layer no 4	SCANBTS_CONCENTRIC.MEBUTSLY_86	Sum	seccchbh, secrldtch, sectchbh, Sum
L4_Con_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Concentric cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 4	SCANBTS_CONCENTRIC.MEBUTSLY_87	Sum	seccchbh, secrldtch, sectchbh, Sum
L5_Con_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Concentric cell Each CS FR call counts as "1" busy channel. Layer no 5	SCANBTS_CONCENTRIC.MEBUTSLY_88	Sum	seccchbh, secrldtch, sectchbh, Sum
L5_Con_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Concentric cell Each CS HR call counts	SCANBTS_CONCENTRIC.MEBUTSLY_89	Sum	seccchbh, secrldtch

			as "1/2 " busy channel. Layer no 5			, sectchbh, Sum
L5_Con_cell _PDCH_in_ charge_PCU	ACCUMULA TION	FLOA T	Concentric cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 5	SCANBTS_CONCENT RIC.MEBUTSLY_90	Sum	seccchbh , secrletbh , sectchbh, Sum
L6_Con_cell _CS_FR_cal l_count	ACCUMULA TION	FLOA T	Concentric cell Each CS FR call counts as "1" busy channel. Layer no 6	SCANBTS_CONCENT RIC.MEBUTSLY_91	Sum	seccchbh , secrletbh , sectchbh, Sum
L6_Con_cell _CS_HR_cal l_count	ACCUMULA TION	FLOA T	Concentric cell Each CS HR call counts as "1/2 " busy channel. Layer no 6	SCANBTS_CONCENT RIC.MEBUTSLY_92	Sum	seccchbh , secrletbh , sectchbh, Sum
L6_Con_cell _PDCH_in_ charge_PCU	ACCUMULA TION	FLOA T	Concentric cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 6	SCANBTS_CONCENT RIC.MEBUTSLY_93	Sum	seccchbh , secrletbh , sectchbh, Sum
L7_Con_cell _CS_FR_cal l_count	ACCUMULA TION	FLOA T	Concentric cell Each CS FR call counts as "1" busy channel. Layer no 7	SCANBTS_CONCENT RIC.MEBUTSLY_94	Sum	seccchbh , secrletbh , sectchbh, Sum
L7_Con_cell	ACCUMULA	FLOA	Concentric	SCANBTS_CONCENT	Sum	seccchbh

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L7_Con_cell_CS_FR_call_count	ACCUMULATION	INTEGER	Concentric cell Each CS FR call counts as "1" busy channel. Layer no 7	SCANBTS_CONCENTRIC.MEBUTSLY_95	Sum	secccchbh, secrlctbh, sectchbh, Sum
L7_Con_cell_CS_HR_call_count	ACCUMULATION	INTEGER	Concentric cell Each CS HR call counts as "1/2 " busy channel. Layer no 7	SCANBTS_CONCENTRIC.MEBUTSLY_96	Sum	secccchbh, secrlctbh, sectchbh, Sum
L8_Con_cell_CS_FR_call_count	ACCUMULATION	INTEGER	Concentric cell Each CS FR call counts as "1" busy channel. Layer no 8	SCANBTS_CONCENTRIC.MEBUTSLY_97	Sum	secccchbh, secrlctbh, sectchbh, Sum
L8_Con_cell_CS_HR_call_count	ACCUMULATION	INTEGER	Concentric cell Each CS HR call counts as "1/2 " busy channel. Layer no 8	SCANBTS_CONCENTRIC.MEBUTSLY_98	Sum	secccchbh, secrlctbh, sectchbh, Sum
L8_Con_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Concentric cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 8	SCANBTS_CONCENTRIC.MEBUTSLY_99	Sum	secccchbh, secrlctbh, sectchbh, Sum
L9_Con_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Concentric cell Each CS FR call counts as "1" busy channel. Layer no 9	SCANBTS_CONCENTRIC.MEBUTSLY_100	Sum	secccchbh, secrlctbh, sectchbh, Sum
L9_Con_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Concentric cell Each CS HR call counts	SCANBTS_CONCENTRIC.MEBUTSLY_101	Sum	secccchbh, secrlctbh

			as "1/2 " busy channel. Layer no 9			, sectchbh, Sum
L9_Con_cell _PDCH_in_ charge_PCU	ACCUMULA TION	FLOA T	Concentric cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 9	SCANBTS_CONCENTRIC.MEBUTSLY_102	Sum	seccchbh , secrctbh , sectchbh, Sum

7.5.17 Cell.Siemens.GSM.Concen_cell_mean_busy_CHs_SLPA

Concentric cell mean busy channels SLPA

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
L0_Con_cell _CS_FR_cal l_count	ACCUMULA TION	FLOA T	Concentric cell Each CS FR call counts as "1" busy channel. Layer no 0	SCANBTS_CONCENTRIC.MEBUTSLY_37	Sum	seccchbh , secrctbh , sectchbh, Sum
L0_Con_cell _CS_HR_cal l_count	ACCUMULA TION	FLOA T	Concentric cell Each CS HR call counts as "1/2 " busy channel. Layer no 0	SCANBTS_CONCENTRIC.MEBUTSLY_38	Sum	seccchbh , secrctbh , sectchbh, Sum
L0_Con_cell _PDCH_in_ charge_PCU	ACCUMULA TION	FLOA T	Concentric cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 0	SCANBTS_CONCENTRIC.MEBUTSLY_39	Sum	seccchbh , secrctbh , sectchbh, Sum

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L1_Con_cell _CS_FR_cal l_count	ACCUMULA TION	FLOA T	Concentric cell Each CS FR call counts as "1" busy channel. Layer no 1	SCANBTS_CONCENT RIC.MEBUTSLY_40	Sum	seccchbh , seclctbh , sectchbh, Sum
L1_Con_cell _CS_HR_cal l_count	ACCUMULA TION	FLOA T	Concentric cell Each CS HR call counts as "1/2 " busy channel. Layer no 1	SCANBTS_CONCENT RIC.MEBUTSLY_41	Sum	seccchbh , seclctbh , sectchbh, Sum
L1_Con_cell _PDCH_in_ charge_PCU	ACCUMULA TION	FLOA T	Concentric cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 1	SCANBTS_CONCENT RIC.MEBUTSLY_42	Sum	seccchbh , seclctbh , sectchbh, Sum
L10_Con_ce ll_CS_FR_c all_count	ACCUMULA TION	FLOA T	Concentric cell Each CS FR call counts as "1" busy channel. Layer no 10	SCANBTS_CONCENT RIC.MEBUTSLY_67	Sum	seccchbh , seclctbh , sectchbh, Sum
L10_Con_ce ll_CS_HR_c all_count	ACCUMULA TION	FLOA T	Concentric cell Each CS HR call counts as "1/2 " busy channel. Layer no 10	SCANBTS_CONCENT RIC.MEBUTSLY_68	Sum	seccchbh , seclctbh , sectchbh, Sum
L10_Con_ce ll_PDCH_in_ _chrge_PCU	ACCUMULA TION	FLOA T	Concentric cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 10	SCANBTS_CONCENT RIC.MEBUTSLY_69	Sum	seccchbh , seclctbh , sectchbh, Sum
L11_Con_ce ll_CS_FR_c	ACCUMULA TION	FLOA T	Concentric cell Each CS	SCANBTS_CONCENT RIC.MEBUTSLY_70	Sum	seccchbh ,

all_count			FR call counts as "1" busy channel. Layer no 11			seclctbh , sectchbh, Sum
L11_Con_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Concentric cell Each CS HR call counts as "1/2 " busy channel. Layer no 11	SCANBTS_CONCENTRIC.MEBUTSLY_71	Sum	seccchbh , seclctbh , sectchbh, Sum
L11_Con_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Concentric cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 11	SCANBTS_CONCENTRIC.MEBUTSLY_72	Sum	seccchbh , seclctbh , sectchbh, Sum
L2_Con_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Concentric cell Each CS FR call counts as "1" busy channel. Layer no 2	SCANBTS_CONCENTRIC.MEBUTSLY_43	Sum	seccchbh , seclctbh , sectchbh, Sum
L2_Con_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Concentric cell Each CS HR call counts as "1/2 " busy channel. Layer no 2	SCANBTS_CONCENTRIC.MEBUTSLY_44	Sum	seccchbh , seclctbh , sectchbh, Sum
L2_Con_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Concentric cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 2	SCANBTS_CONCENTRIC.MEBUTSLY_45	Sum	seccchbh , seclctbh , sectchbh, Sum

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L3_Con_cell _CS_FR_cal l_count	ACCUMULA TION	FLOA T	Concentric cell Each CS FR call counts as "1" busy channel. Layer no 3	SCANBTS_CONCENT RIC.MEBUTSLY_46	Sum	seccchbh , seclctbh , sectchbh, Sum
L3_Con_cell _CS_HR_cal l_count	ACCUMULA TION	FLOA T	Concentric cell Each CS HR call counts as "1/2 " busy channel. Layer no 3	SCANBTS_CONCENT RIC.MEBUTSLY_47	Sum	seccchbh , seclctbh , sectchbh, Sum
L3_Con_cell _PDCH_in_ charge_PCU	ACCUMULA TION	FLOA T	Concentric cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 3	SCANBTS_CONCENT RIC.MEBUTSLY_48	Sum	seccchbh , seclctbh , sectchbh, Sum
L4_Con_cell _CS_FR_cal l_count	ACCUMULA TION	FLOA T	Concentric cell Each CS FR call counts as "1" busy channel. Layer no 4	SCANBTS_CONCENT RIC.MEBUTSLY_49	Sum	seccchbh , seclctbh , sectchbh, Sum
L4_Con_cell _CS_HR_cal l_count	ACCUMULA TION	FLOA T	Concentric cell Each CS HR call counts as "1/2 " busy channel. Layer no 4	SCANBTS_CONCENT RIC.MEBUTSLY_50	Sum	seccchbh , seclctbh , sectchbh, Sum
L4_Con_cell _PDCH_in_ charge_PCU	ACCUMULA TION	FLOA T	Concentric cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 4	SCANBTS_CONCENT RIC.MEBUTSLY_51	Sum	seccchbh , seclctbh , sectchbh, Sum
L5_Con_cell _CS_FR_cal	ACCUMULA TION	FLOA T	Concentric cell Each CS	SCANBTS_CONCENT RIC.MEBUTSLY_52	Sum	seccchbh ,

l_count			FR call counts as "1" busy channel. Layer no 5			seclctbh , sectchbh, Sum
L5_Con_cell _CS_HR_cal l_count	ACCUMULA TION	FLOA T	Concentric cell Each CS HR call counts as "1/2 " busy channel. Layer no 5	SCANBTS_CONCENTRIC.MEBUTSLY_53	Sum	seccchbh , seclctbh , sectchbh, Sum
L5_Con_cell _PDCH_in_ charge_PCU	ACCUMULA TION	FLOA T	Concentric cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 5	SCANBTS_CONCENTRIC.MEBUTSLY_54	Sum	seccchbh , seclctbh , sectchbh, Sum
L6_Con_cell _CS_FR_cal l_count	ACCUMULA TION	FLOA T	Concentric cell Each CS FR call counts as "1" busy channel. Layer no 6	SCANBTS_CONCENTRIC.MEBUTSLY_55	Sum	seccchbh , seclctbh , sectchbh, Sum
L6_Con_cell _CS_HR_cal l_count	ACCUMULA TION	FLOA T	Concentric cell Each CS HR call counts as "1/2 " busy channel. Layer no 6	SCANBTS_CONCENTRIC.MEBUTSLY_56	Sum	seccchbh , seclctbh , sectchbh, Sum
L6_Con_cell _PDCH_in_ charge_PCU	ACCUMULA TION	FLOA T	Concentric cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 6	SCANBTS_CONCENTRIC.MEBUTSLY_57	Sum	seccchbh , seclctbh , sectchbh, Sum

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L7_Con_cell _CS_FR_cal l_count	ACCUMULA TION	FLOA T	Concentric cell Each CS FR call counts as "1" busy channel. Layer no 7	SCANBTS_CONCENT RIC.MEBUTSLY_58	Sum	seccchbh , seclctbh , sectchbh, Sum
L7_Con_cell _CS_HR_cal l_count	ACCUMULA TION	FLOA T	Concentric cell Each CS HR call counts as "1/2 " busy channel. Layer no 7	SCANBTS_CONCENT RIC.MEBUTSLY_59	Sum	seccchbh , seclctbh , sectchbh, Sum
L7_Con_cell _PDCH_in_ charge_PCU	ACCUMULA TION	FLOA T	Concentric cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 7	SCANBTS_CONCENT RIC.MEBUTSLY_60	Sum	seccchbh , seclctbh , sectchbh, Sum
L8_Con_cell _CS_FR_cal l_count	ACCUMULA TION	FLOA T	Concentric cell Each CS FR call counts as "1" busy channel. Layer no 8	SCANBTS_CONCENT RIC.MEBUTSLY_61	Sum	seccchbh , seclctbh , sectchbh, Sum
L8_Con_cell _CS_HR_cal l_count	ACCUMULA TION	FLOA T	Concentric cell Each CS HR call counts as "1/2 " busy channel. Layer no 8	SCANBTS_CONCENT RIC.MEBUTSLY_62	Sum	seccchbh , seclctbh , sectchbh, Sum
L8_Con_cell _PDCH_in_ charge_PCU	ACCUMULA TION	FLOA T	Concentric cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 8	SCANBTS_CONCENT RIC.MEBUTSLY_63	Sum	seccchbh , seclctbh , sectchbh, Sum
L9_Con_cell _CS_FR_cal	ACCUMULA TION	FLOA T	Concentric cell Each CS	SCANBTS_CONCENT RIC.MEBUTSLY_64	Sum	seccchbh ,

l_count			FR call counts as "1" busy channel. Layer no 9			seclctbh , sectchbh, Sum
L9_Con_cell_CS_HR_cal_l_count	ACCUMULATION	FLOAT	Concentric cell Each CS HR call counts as "1/2 " busy channel. Layer no 9	SCANBTS_CONCENTRIC.MEBUTSLY_65	Sum	seccchbh , seclctbh , sectchbh, Sum
L9_Con_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Concentric cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 9	SCANBTS_CONCENTRIC.MEBUTSLY_66	Sum	seccchbh , seclctbh , sectchbh, Sum

7.5.18 Cell.Siemens.GSM.Concentric_TCH_FullRate

Cell related Fullrate Concentric Traffic channel measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
attempted_seizures_tch	ACCUMULATION	INT8	**Obsolete in BR10**; Fullrate Concentric: Attempted traffic channel seizures	SCANBTS.ATTCHSEI_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
attempted_tch_seizures_meeting_blocked_state_com	ACCUMULATION	INT8	Attempted TCH/F seizures meeting a	SCANBTS_CONCENTRIC.ATCHSMBS_7	Sum	seccchbh , seclctbh ,

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plete			TCH blocked state (complete area)			sectchbh, sectchfrbh, sectchhrbh, Sum
attempted_tch_seizures_meeting_blocked_state_inner	ACCUMULATION	INT8	Attempted TCH/F seizures meeting a TCH blocked state (inner area)	SCANBTS_CONCENTRIC.ATCHSMBS_5	Sum	seccchbh, secrlctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
Attempted_Tchf_Seizures_Blocked_State	ACCUMULATION	INT8	Attempted TCH/F seizures meeting an Abis subchannel blocked state	SCANBTS_CONCENTRIC.ATCHSMBS_3	Sum	seccchbh, secrlctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
established_tch_complete	ACCUMULATION	INT8	Total number of TCH connections established (complete area)	SCANBTS_CONCENTRIC.TNTCHCL_5	Sum	seccchbh, secrlctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
established_tch_inner	ACCUMULATION	INT8	Total number of TCH connections established (inner area)	SCANBTS_CONCENTRIC.TNTCHCL_3	Sum	seccchbh, secrlctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_distance_	ACCUMULATION	INT8	Number of lost radio	SCANBTS_CONCENTRIC.NRFLTCH_41	Sum	seccchbh,

complete			links while using a TCH - distance limit exceeded (complete area)			seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due_to_distance_inner	ACCUMULATION	INT8	Number of lost radio links while using a TCH - distance limit exceeded (inner area)	SCANBTS_CONCENTRIC.NRFLTCH_23	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due_to_dm_response_complete	ACCUMULATION	INT8	Number of lost radio links while using a TCH - unsolicited DM response (complete area)	SCANBTS_CONCENTRIC.NRFLTCH_38	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due_to_dm_response_inner	ACCUMULATION	INT8	Number of lost radio links while using a TCH - unsolicited DM response (inner area)	SCANBTS_CONCENTRIC.NRFLTCH_20	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due_to_ho_failure_complete	ACCUMULATION	INT8	Number of lost radio links while using a TCH - handover	SCANBTS_CONCENTRIC.NRFLTCH_42	Sum	seccchbh , seclctbh , sectchbh,

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			access failure (complete area)			sectchfrb h, sectchhrb h, Sum
lost_link_due _to_ho_failur e_inner	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - handover access failure (inner area)	SCANBTS_CONCENT RIC.NRFLTCH_24	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_msrfpci_ expired_com plete	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - MSRFPCI expired (complete area)	SCANBTS_CONCENT RIC.NRFLTCH_40	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_msrfpci_ expired_inner	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - MSRFPCI expired (inner area)	SCANBTS_CONCENT RIC.NRFLTCH_22	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_radio_lin k_complete	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - radio link failure (complete area)	SCANBTS_CONCENT RIC.NRFLTCH_43	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_radio_lin k_inner	ACCUMULA TION	INT8	Number of lost radio links while	SCANBTS_CONCENT RIC.NRFLTCH_25	Sum	seccchbh , seclctbh

			using a TCH - radio link failure (inner area)			, sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_remote_t ranscoder_co mplete	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - remote transcoder failure (complete area)	SCANBTS_CONCENT RIC.NRFLTCH_44	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_remote_t ranscoder_in ner	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - remote transcoder failure (inner area)	SCANBTS_CONCENT RIC.NRFLTCH_26	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_seq_error _complete	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - sequence error (complete area)	SCANBTS_CONCENT RIC.NRFLTCH_39	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_seq_error _inner	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - sequence error (inner	SCANBTS_CONCENT RIC.NRFLTCH_21	Sum	seccchbh , seclctbh , sectchbh, sectchfrb

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			area)			h, sectchhrb h, Sum
lost_link_due _to_t200_exp ired_comple te	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - T200 expired (complete area)	SCANBTS_CONCENT RIC.NRFLTCH_37	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_t200_exp ired_inner	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - T200 expired (inner area)	SCANBTS_CONCENT RIC.NRFLTCH_19	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_unspecifi ed_complete	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - unspecified cause (complete area)	SCANBTS_CONCENT RIC.NRFLTCH_45	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_unspecifi ed_inner	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - unspecified cause (inner area)	SCANBTS_CONCENT RIC.NRFLTCH_27	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
max_availabl e_tch_compl ete	INTENSITY	INTEG ER	Max TCHs available for use in the observed	SCANBTS_CONCENT RIC.NAVTCH_14	Average	Average, Maximu m, Minimu

			complete area			m, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
max_availabl e_tch_inner	INTENSITY	INTEG ER	Max TCHs available for use in the observed inner area	SCANBTS_CONCENT RIC.NAVTCH_8	Average	Average, Maximu m, Minimu m, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
max_defined _tch_complet e	INTENSITY	INTEG ER	Max TCHs defined in the observed cell complete area	SCANBTS_CONCENT RIC.NRDEFTCH_14	Average	Average, Maximu m, Minimu m, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
max_defined _tch_inner	INTENSITY	INTEG ER	Max TCHs defined in the	SCANBTS_CONCENT RIC.NRDEFTCH_8	Average	Average, Maximu

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			observed cell inner area			m, Minimum, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
mean_available_tch_complete	INTENSITY	FLOAT	Mean TCHs available for use in the observed complete area	SCANBTS_CONCENTRIC.NAVTCH_15	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
mean_available_tch_inner	INTENSITY	FLOAT	Mean TCHs available for use in the observed inner area	SCANBTS_CONCENTRIC.NAVTCH_9	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
mean_busy_tch_complete	INTENSITY	FLOAT	Mean TCHs which have been busy (complete	SCANBTS_CONCENTRIC.MEBUSTCH_5	Average	Average, Maximum, Minimum

			area)			m, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
mean_busy_t ch_inner	INTENSITY	FLOA T	Mean TCHs which have been busy (inner area)	SCANBTS_CONCENT RIC.MEBUSTCH_3	Average	Average, Maximu m, Minimu m, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
mean_define d_tch_compl ete	INTENSITY	FLOA T	Mean TCHs defined in the observed cell complete area	SCANBTS_CONCENT RIC.NRDEFTCH_15	Average	Average, Maximu m, Minimu m, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
mean_define d_tch_inner	INTENSITY	FLOA T	Mean TCHs defined in the	SCANBTS_CONCENT RIC.NRDEFTCH_9	Average	Average, Maximu

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			observed cell inner area			m, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
min_available_tch_complete	INTENSITY	INTEGER	Min TCHs available for use in the observed complete area	SCANBTS_CONCENTRIC.NAVTCH_13	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
min_available_tch_inner	INTENSITY	INTEGER	Min TCHs available for use in the observed inner area	SCANBTS_CONCENTRIC.NAVTCH_7	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
min_defined_tch_complete	INTENSITY	INTEGER	Min TCHs defined in the observed cell complete area	SCANBTS_CONCENTRIC.NRDEFTCH_13	Average	Average, Maximum, Minimum

						m, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
min_defined_ tch_inner	INTENSITY	INTEGER	Min TCHs defined in the observed cell inner area	SCANBTS_CONCENT RIC.NRDEFTCH_7	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
successful_se izures_tch	ACCUMULA TION	INT8	**Obsolete in BR10**; Fullrate Concentric: Successful traffic channel seizures	SCANBTS.SUCTCHS E_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum

7.5.19 Cell.Siemens.GSM.Concentric_TCH_HalfRate

Cell related halfrate Concentric Traffic channel measurements

KPI	Type	Data Type	Description	Derivation	Default Aggrega	Other Aggrega
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					tor	tors
attempted_seizures_tch	ACCUMULATION	INT8	**Obsolete in BR10**; Halfrate Concentric: Attempted traffic channel seizures	SCANBTS.ATTCHSEI_2	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
attempted_tch_seizures_meeting_blocked_state_complete	ACCUMULATION	INT8	Attempted TCH/H seizures meeting a TCH blocked state (complete area)	SCANBTS_CONCENTRIC.ATCHSMBS_8	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
attempted_tch_seizures_meeting_blocked_state_inner	ACCUMULATION	INT8	Attempted TCH/H seizures meeting a TCH blocked state (inner area)	SCANBTS_CONCENTRIC.ATCHSMBS_6	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
Attempted_Tchh_Seizures_Blocked_State	ACCUMULATION	INT8	Attempted TCH/H seizures meeting an Abis subchannel blocked state	SCANBTS_CONCENTRIC.ATCHSMBS_4	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
established_tch_complete	ACCUMULATION	INT8	Total number of TCH connections established (complete area)	SCANBTS_CONCENTRIC.TNTCHCL_6	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh

						h, sectchhrb h, Sum
established_t ch_inner	ACCUMULA TION	INT8	Total number of TCH connections established (inner area)	SCANBTS_CONCENT RIC.TNTCHCL_4	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_distance_ complete	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - distance limit exceeded (complete area)	SCANBTS_CONCENT RIC.NRFLTCH_50	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_distance_ inner	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - distance limit exceeded (inner area)	SCANBTS_CONCENT RIC.NRFLTCH_32	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_dm_resp onse_complet e	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - unsolicited DM response (complete area)	SCANBTS_CONCENT RIC.NRFLTCH_47	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum

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lost_link_due_to_dm_response_inner	ACCUMULATION	INT8	Number of lost radio links while using a TCH - unsolicited DM response (inner area)	SCANBTS_CONCENTRIC.NRFLTCH_29	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_ho_failure_complete	ACCUMULATION	INT8	Number of lost radio links while using a TCH - handover access failure (complete area)	SCANBTS_CONCENTRIC.NRFLTCH_51	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_ho_failure_inner	ACCUMULATION	INT8	Number of lost radio links while using a TCH - handover access failure (inner area)	SCANBTS_CONCENTRIC.NRFLTCH_33	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_msrfpci_expired_complete	ACCUMULATION	INT8	Number of lost radio links while using a TCH - MSRFPCI expired (complete area)	SCANBTS_CONCENTRIC.NRFLTCH_49	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_msrfpci_expired_inner	ACCUMULATION	INT8	Number of lost radio links while using a TCH - MSRFPCI expired (inner area)	SCANBTS_CONCENTRIC.NRFLTCH_31	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum

						sectchhrb h, Sum
lost_link_due _to_radio_lin k_complete	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - radio link failure (complete area)	SCANBTS_CONCENT RIC.NRFLTCH_52	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_radio_lin k_inner	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - radio link failure (inner area)	SCANBTS_CONCENT RIC.NRFLTCH_34	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_remote_t ranscoder_co mplete	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - remote transcoder failure (complete area)	SCANBTS_CONCENT RIC.NRFLTCH_53	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_remote_t ranscoder_in ner	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - remote transcoder failure (inner area)	SCANBTS_CONCENT RIC.NRFLTCH_35	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum

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lost_link_due_to_seq_error_complete	ACCUMULATION	INT8	Number of lost radio links while using a TCH - sequence error (complete area)	SCANBTS_CONCENTRIC.NRFLTCH_48	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_seq_error_inner	ACCUMULATION	INT8	Number of lost radio links while using a TCH - sequence error (inner area)	SCANBTS_CONCENTRIC.NRFLTCH_30	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_t200_expired_complete	ACCUMULATION	INT8	Number of lost radio links while using a TCH - T200 expired (complete area)	SCANBTS_CONCENTRIC.NRFLTCH_46	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_t200_expired_inner	ACCUMULATION	INT8	Number of lost radio links while using a TCH - T200 expired (inner area)	SCANBTS_CONCENTRIC.NRFLTCH_28	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_unspecified_complete	ACCUMULATION	INT8	Number of lost radio links while using a TCH - unspecified cause (complete	SCANBTS_CONCENTRIC.NRFLTCH_54	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum

			area)			sectchhrb h, Sum
lost_link_due _to_unspecifi ed_inner	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - unspecified cause (inner area)	SCANBTS_CONCENT RIC.NRFLTCH_36	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
max_availabl e_tch_compl ete	INTENSITY	INTEG ER	Max TCHs available for use in the observed complete area	SCANBTS_CONCENT RIC.NAVTCH_17	Average	Average, Maximu m, Minimu m, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
max_availabl e_tch_inner	INTENSITY	INTEG ER	Max TCHs available for use in the observed inner area	SCANBTS_CONCENT RIC.NAVTCH_11	Average	Average, Maximu m, Minimu m, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum

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max_defined_tch_complete	INTENSITY	INTEGER	Max TCHs defined in the observed cell complete area	SCANBTS_CONCENTRIC.NRDEFTCH_17	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
max_defined_tch_inner	INTENSITY	INTEGER	Max TCHs defined in the observed cell inner area	SCANBTS_CONCENTRIC.NRDEFTCH_11	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
mean_available_tch_complete	INTENSITY	FLOAT	Mean TCHs available for use in the observed complete area	SCANBTS_CONCENTRIC.NAVTCH_18	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
mean_available_tch_inner	INTENSITY	FLOAT	Mean TCHs available for	SCANBTS_CONCENTRIC.NAVTCH_12	Average	Average, Maximum

			use in the observed inner area		m, Minimu m, secccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
mean_busy_t ch_complete	INTENSITY	FLOA T	Mean TCHs which have been busy (complete area)	SCANBTS_CONCENT RIC.MEBUSTCH_6	Average Average, Maximu m, Minimu m, secccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
mean_busy_t ch_inner	INTENSITY	FLOA T	Mean TCHs which have been busy (inner Area)	SCANBTS_CONCENT RIC.MEBUSTCH_4	Average Average, Maximu m, Minimu m, secccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum

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mean_defined_tch_complete	INTENSITY	FLOAT	Mean TCHs defined in the observed cell complete area	SCANBTS_CONCENTRIC.NRDEFTCH_18	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
mean_defined_tch_inner	INTENSITY	FLOAT	Mean TCHs defined in the observed cell inner area	SCANBTS_CONCENTRIC.NRDEFTCH_12	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
min_available_tch_complete	INTENSITY	INTEGER	Min TCHs available for use in the observed complete area	SCANBTS_CONCENTRIC.NAVTCH_16	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
min_available_tch_inner	INTENSITY	INTEGER	Min TCHs available for	SCANBTS_CONCENTRIC.NAVTCH_10	Average	Average, Maximum

			use in the observed inner area			m, Minimu m, secccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
min_defined_ tch_complete	INTENSITY	INTEG ER	Min TCHs defined in the observed cell complete area	SCANBTS_CONCENT RIC.NRDEFTCH_16	Average	Average, Maximu m, Minimu m, secccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
min_defined_ tch_inner	INTENSITY	INTEG ER	Min TCHs defined in the observed cell inner area	SCANBTS_CONCENT RIC.NRDEFTCH_10	Average	Average, Maximu m, Minimu m, secccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum

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successful_seizures_tch	ACCUMULATION	INT8	**Obsolete in BR10**; Halfrate Concentric: Successful traffic channel seizures	SCANBTS.SUCTCHSE_2	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
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7.5.20 Cell.Siemens.GSM.Defined_CCCH_channels

Defined CCCH channels

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
CCH_blocks_DL_PCH_AGCH	ACCUMULATION	INTEGER	Number of CCCH blocks (PCH/AGCH) scheduled for transmission (downlink) (NDEFCCCH)	SCANBTSE.NDEFCCCH_2	Sum	seccchbh , seclctbh , sectchbh, Sum
CCH_slots_UL_RACH	ACCUMULATION	INTEGER	Number of scheduled CCCH slots used as RACH (uplink) (NDEFCCCH)	SCANBTSE.NDEFCCCH_1	Sum	seccchbh , seclctbh , sectchbh, Sum

7.5.21 Cell.Siemens.GSM.Defined_PCCCH_frames

Defined PCCCH frames

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
PCCCH_radio_blocks_DL	ACCUMULATION	FLOAT	Mean number of defined PCCCH radio blocks (downlink) (NDEFPCCH)	SCANGPRS.NDEFPCCH_2	Sum	seclcbh, seclctbh , sectchbh, Sum

PCCCH_random_access_bursts_UL	ACCUMULATION	FLOAT	Mean number of defined PCCCH random access bursts (=PRACH) (uplink) (NDEFPCCC)	SCANGPRS.NDEFPCCC_1	Sum	seclcbh, seclctbh, sectchbh, Sum
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7.5.22 Cell.Siemens.GSM.Discarded_LLC_PDUbackground

Discarded LLC PDUs background

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Abis_out_of_service_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Abis/BTS component out of service (downlink)	SCANGPRS.DISCLPDU_39	Sum	seclcbh, seclctbh, sectchbh, Sum
Abis_out_of_service_UL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Abis/BTS component out of service (uplink)	SCANGPRS.DISCLPDU_38	Sum	seclcbh, seclctbh, sectchbh, Sum
Bad_radio_link_quality_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Bad radio link quality (downlink)	SCANGPRS.DISCLPDU_32	Sum	seclcbh, seclctbh, sectchbh, Sum
Gb_link_congestion_UL	ACCUMULATION	INTEGER	Obsolete in BR9.0; The number of	SCANGPRS.DISCLPDU_39	Sum	seclcbh, seclctbh, sectchbh, Sum

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			discarded LLC-PDUs, Gb link congestion (uplink)			sectchbh, Sum
Gb_link_failure_UL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Gb link failure (uplink)	SCANGPRS.DISCLPDU_37	Sum	seclcbh, seclctbh, sectchbh, Sum
Lack_of_radio_resources_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, For 'first' LLC PDUs: lack of radio resources (downlink)	SCANGPRS.DISCLPDU_28	Sum	seclcbh, seclctbh, sectchbh, Sum
Lifetime_expiration_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Life time expiration (downlink)	SCANGPRS.DISCLPDU_36	Sum	seclcbh, seclctbh, sectchbh, Sum
Loss_of_contact_with_MS_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Preemption (downlink)	SCANGPRS.DISCLPDU_31	Sum	seclcbh, seclctbh, sectchbh, Sum
MS_initiated_reselection_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, MS initiated cell reselection (downlink)	SCANGPRS.DISCLPDU_34	Sum	seclcbh, seclctbh, sectchbh, Sum
Net_controlled_reselection_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Network controlled cell	SCANGPRS.DISCLPDU_35	Sum	seclcbh, seclctbh, sectchbh, Sum

			reselection (downlink)			
No_answer_from_MS_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, For 'first' LLC PDUs: no answer from the MS (downlink)	SCANGPRS.DISCLPDU_29	Sum	seclcbh, seclctbh, sectchbh, Sum
No_FLUSH_LL_arrived_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Network controlled cell reselection and no FLUSH-LL arrived (downlink)	SCANGPRS.DISCLPDU_33	Sum	seclcbh, seclctbh, sectchbh, Sum
PDU_lifetime_expiration_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, For 'first' LLC PDUs: PDU lifetime expiration (downlink)	SCANGPRS.DISCLPDU_27	Sum	seclcbh, seclctbh, sectchbh, Sum
Preemption_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Preemption (downlink)	SCANGPRS.DISCLPDU_30	Sum	seclcbh, seclctbh, sectchbh, Sum

7.5.23 Cell.Siemens.GSM.Discarded_LLCPDUs_interactive

Discarded LLC PDUs interactive

KPI	Type	Data	Description	Derivation	Default	Other
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		Type			Aggregator	Aggregators
Abis_out_of_service_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Abis/BTS component out of service (downlink)	SCANGPRS.DISCLPDU_13	Sum	seclcbh, seclctbh, sectchbh, Sum
Abis_out_of_service_UL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Abis/BTS component out of service (uplink)	SCANGPRS.DISCLPDU_12	Sum	seclcbh, seclctbh, sectchbh, Sum
Bad_radio_link_quality_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Bad radio link quality (downlink)	SCANGPRS.DISCLPDU_6	Sum	seclcbh, seclctbh, sectchbh, Sum
Gb_link_congestion_UL	ACCUMULATION	INTEGER	Obsolete in BR9.0; The number of discarded LLC-PDUs, Gb link congestion (uplink)	SCANGPRS.DISCLPDU_11	Sum	seclcbh, seclctbh, sectchbh, Sum
Gb_link_failure_UL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Gb link failure (uplink)	SCANGPRS.DISCLPDU_11	Sum	seclcbh, seclctbh, sectchbh, Sum
Lack_of_radio_resources_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, For 'first' LLC PDUs: lack of radio	SCANGPRS.DISCLPDU_2	Sum	seclcbh, seclctbh, sectchbh, Sum

			resources (downlink)			
Lifetime_expiration_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Life time expiration (downlink)	SCANGPRS.DISCLPDU_10	Sum	seclcbh, seclctbh, sectchbh, Sum
Loss_of_contact_with_MS_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Preemption (downlink)	SCANGPRS.DISCLPDU_5	Sum	seclcbh, seclctbh, sectchbh, Sum
MS_initiated_reselection_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, MS initiated cell reselection (downlink)	SCANGPRS.DISCLPDU_8	Sum	seclcbh, seclctbh, sectchbh, Sum
Net_controlled_reselection_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Network controlled cell reselection (downlink)	SCANGPRS.DISCLPDU_9	Sum	seclcbh, seclctbh, sectchbh, Sum
No_answer_from_MS_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, For 'first' LLC PDUs: no answer from the MS (downlink)	SCANGPRS.DISCLPDU_3	Sum	seclcbh, seclctbh, sectchbh, Sum
No_FLUSH_LL_arrived_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs,	SCANGPRS.DISCLPDU_7	Sum	seclcbh, seclctbh,

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			Network controlled cell reselection and no FLUSH-LL arrived (downlink)			sectchbh, Sum
PDU_lifetime_expiration_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, For 'first' LLC PDUs: PDU lifetime expiration (downlink)	SCANGPRS.DISCLPDU_1	Sum	seclcbh, seclctbh , sectchbh, Sum
Preemption_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Preemption (downlink)	SCANGPRS.DISCLPDU_4	Sum	seclcbh, seclctbh , sectchbh, Sum

7.5.24 Cell.Siemens.GSM.Discarded_LLC_PDUs_streaming

Discarded LLC PDUs streaming

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Abis_out_of_service_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Abis/BTS component out of service (downlink)	SCANGPRS.DISCLPDU_26	Sum	seclcbh, seclctbh , sectchbh, Sum
Abis_out_of_service_UL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Abis/BTS component out of service (uplink)	SCANGPRS.DISCLPDU_25	Sum	seclcbh, seclctbh , sectchbh, Sum

Bad_radio_link_quality_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Bad radio link quality (downlink)	SCANGPRS.DISCLPDU_19	Sum	seclcbh, seclctbh, sectchbh, Sum
Gb_link_congestion_UL	ACCUMULATION	INTEGER	Obsolete in BR9.0; The number of discarded LLC-PDUs, Gb link congestion (uplink)	SCANGPRS.DISCLPDU_25	Sum	seclcbh, seclctbh, sectchbh, Sum
Gb_link_failure_UL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Gb link failure (uplink)	SCANGPRS.DISCLPDU_24	Sum	seclcbh, seclctbh, sectchbh, Sum
Lack_of_radio_resources_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, For 'first' LLC PDUs: lack of radio resources (downlink)	SCANGPRS.DISCLPDU_15	Sum	seclcbh, seclctbh, sectchbh, Sum
Lifetime_expiration_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Life time expiration (downlink)	SCANGPRS.DISCLPDU_23	Sum	seclcbh, seclctbh, sectchbh, Sum
Loss_of_contact_with_MS_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Preemption	SCANGPRS.DISCLPDU_18	Sum	seclcbh, seclctbh, sectchbh,

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			(downlink)			Sum
MS_initiated_reselection_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, MS initiated cell reselection (downlink)	SCANGPRS.DISCLPDU_21	Sum	seclcbh, seclctbh, sectchbh, Sum
Net_controlled_reselection_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Network controlled cell reselection (downlink)	SCANGPRS.DISCLPDU_22	Sum	seclcbh, seclctbh, sectchbh, Sum
No_answer_from_MS_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, For 'first' LLC PDUs: no answer from the MS (downlink)	SCANGPRS.DISCLPDU_16	Sum	seclcbh, seclctbh, sectchbh, Sum
No_FLUSH_LL_arrived_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, Network controlled cell reselection and no FLUSH-LL arrived (downlink)	SCANGPRS.DISCLPDU_20	Sum	seclcbh, seclctbh, sectchbh, Sum
PDU_lifetime_expiration_DL	ACCUMULATION	INTEGER	The number of discarded LLC-PDUs, For 'first' LLC PDUs: PDU lifetime expiration (downlink)	SCANGPRS.DISCLPDU_14	Sum	seclcbh, seclctbh, sectchbh, Sum
Preemption_D	ACCUMULATION	INTEGER	The number	SCANGPRS.DISCLP	Sum	seclcbh,

L	TION	ER	of discarded LLC-PDUs, Preemption (downlink)	DU_17		seclctbh , sectchbh, Sum
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7.5.25 Cell.Siemens.GSM.DL_LLC_PDU_filling_queue

Downlink LLC PDU filling queue

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
BKG_100_to_120_%	ACCUMULATION	INTEGER	PFC background related 100 % < filling level <= 120 %	SCANGPRS.LLCQUL EV_38	Sum	seclcbh, seclctbh, sectchbh, Sum
BKG_120_to_140_%	ACCUMULATION	INTEGER	PFC background related 120 % < filling level <= 140 %	SCANGPRS.LLCQUL EV_39	Sum	seclcbh, seclctbh, sectchbh, Sum
BKG_20_to_40_%	ACCUMULATION	INTEGER	PFC background related 20 % < filling level <= 40 %	SCANGPRS.LLCQUL EV_34	Sum	seclcbh, seclctbh, sectchbh, Sum
BKG_40_to_60_%	ACCUMULATION	INTEGER	PFC background related 40 % < filling level <= 60 %	SCANGPRS.LLCQUL EV_35	Sum	seclcbh, seclctbh, sectchbh, Sum
BKG_60_to_80	ACCUMULATION	INTEGER	PFC background related 60 % < filling level <= 80 %	SCANGPRS.LLCQUL EV_36	Sum	seclcbh, seclctbh, sectchbh, Sum

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BKG_80_to_100_%	ACCUMULATION	INTEGER	PFC background related 80 % < filling level <= 100 %	SCANGPRS.LLCQUL EV_37	Sum	seclcbh, seclctbh, sectchbh, Sum
BKG_less_than_or_equal_140%	ACCUMULATION	INTEGER	PFC background related 140 % <= filling level	SCANGPRS.LLCQUL EV_40	Sum	seclcbh, seclctbh, sectchbh, Sum
BKG_less_than_or_equal_to_20%	ACCUMULATION	INTEGER	PFC background related filling level <= 20 %	SCANGPRS.LLCQUL EV_33	Sum	seclcbh, seclctbh, sectchbh, Sum
Cell_100_to_120_%	ACCUMULATION	INTEGER	Cell related 100 % < filling level <= 120 %	SCANGPRS.LLCQUL EV_6	Sum	seclcbh, seclctbh, sectchbh, Sum
Cell_120_to_140_%	ACCUMULATION	INTEGER	Cell related 120 % < filling level <= 140 %	SCANGPRS.LLCQUL EV_7	Sum	seclcbh, seclctbh, sectchbh, Sum
Cell_20_to_40_%	ACCUMULATION	INTEGER	Cell related 20 % < filling level <= 40 %	SCANGPRS.LLCQUL EV_2	Sum	seclcbh, seclctbh, sectchbh, Sum
Cell_40_to_60_%	ACCUMULATION	INTEGER	Cell related 40 % < filling level <= 60 %	SCANGPRS.LLCQUL EV_3	Sum	seclcbh, seclctbh, sectchbh, Sum
Cell_60_to_80	ACCUMULATION	INTEGER	Cell related 60 % < filling level <= 80 %	SCANGPRS.LLCQUL EV_4	Sum	seclcbh, seclctbh, sectchbh, Sum
Cell_80_to_100_%	ACCUMULATION	INTEGER	Cell related 80 % < filling level <= 100 %	SCANGPRS.LLCQUL EV_5	Sum	seclcbh, seclctbh, sectchbh, Sum

100_%	TION	ER	% < filling level <= 100 %	EV_5		seclctbh, sectchbh, Sum
Cell_less_than_or_equal_140%	ACCUMULATION	INTEGER	Cell related 140 % <= filling level	SCANGPRS.LLCQUL EV_8	Sum	seclcbh, seclctbh, sectchbh, Sum
Cell_less_than_or_equal_to_20%	ACCUMULATION	INTEGER	Cell related filling level <= 20 %	SCANGPRS.LLCQUL EV_1	Sum	seclcbh, seclctbh, sectchbh, Sum
INT_100_to_120_%	ACCUMULATION	INTEGER	PFC interactive related 100 % < filling level <= 120 %	SCANGPRS.LLCQUL EV_22	Sum	seclcbh, seclctbh, sectchbh, Sum
INT_120_to_140_%	ACCUMULATION	INTEGER	PFC interactive related 120 % < filling level <= 140 %	SCANGPRS.LLCQUL EV_23	Sum	seclcbh, seclctbh, sectchbh, Sum
INT_20_to_40_%	ACCUMULATION	INTEGER	PFC interactive related 20 % < filling level <= 40 %	SCANGPRS.LLCQUL EV_18	Sum	seclcbh, seclctbh, sectchbh, Sum
INT_40_to_60_%	ACCUMULATION	INTEGER	PFC interactive related 40 % < filling level <= 60 %	SCANGPRS.LLCQUL EV_19	Sum	seclcbh, seclctbh, sectchbh, Sum
INT_60_to_80	ACCUMULATION	INTEGER	PFC interactive related 60 % <	SCANGPRS.LLCQUL EV_20	Sum	seclcbh, seclctbh,

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			filling level <= 80 %			sectchbh, Sum
INT_80_to_100_%	ACCUMULATION	INTEGER	PFC interactive related 80 % < filling level <= 100 %	SCANGPRS.LLCQUL EV_21	Sum	seclcbh, seclctbh , sectchbh, Sum
INT_less_than_or_equal_140%	ACCUMULATION	INTEGER	PFC interactive related 140 % <= filling level	SCANGPRS.LLCQUL EV_24	Sum	seclcbh, seclctbh , sectchbh, Sum
INT_less_than_or_equal_to_20%	ACCUMULATION	INTEGER	PFC interactive related filling level <= 20 %	SCANGPRS.LLCQUL EV_17	Sum	seclcbh, seclctbh , sectchbh, Sum
MS_100_to_120_%	ACCUMULATION	INTEGER	MS related 100 % < filling level <= 120 %	SCANGPRS.LLCQUL EV_14	Sum	seclcbh, seclctbh , sectchbh, Sum
MS_120_to_140_%	ACCUMULATION	INTEGER	MS related 120 % < filling level <= 140 %	SCANGPRS.LLCQUL EV_15	Sum	seclcbh, seclctbh , sectchbh, Sum
MS_20_to_40_%	ACCUMULATION	INTEGER	MS related 20 % < filling level <= 40 %	SCANGPRS.LLCQUL EV_10	Sum	seclcbh, seclctbh , sectchbh, Sum
MS_40_to_60_%	ACCUMULATION	INTEGER	MS related 40 % < filling level <= 60 %	SCANGPRS.LLCQUL EV_11	Sum	seclcbh, seclctbh , sectchbh, Sum
MS_60_to_80	ACCUMULATION	INTEGER	MS related 60 % < filling level <= 80 %	SCANGPRS.LLCQUL EV_12	Sum	seclcbh, seclctbh , sectchbh,

						Sum
MS_80_to_100_%	ACCUMULATION	INTEGER	MS related 80 % < filling level <= 100 %	SCANGPRS.LLCQUL EV_13	Sum	seclcbh, seclctbh, sectchbh, Sum
MS_less_than_or_equal_140%	ACCUMULATION	INTEGER	MS related 140 % <= filling level	SCANGPRS.LLCQUL EV_16	Sum	seclcbh, seclctbh, sectchbh, Sum
MS_less_than_or_equal_to_20%	ACCUMULATION	INTEGER	MS related filling level <= 20 %	SCANGPRS.LLCQUL EV_9	Sum	seclcbh, seclctbh, sectchbh, Sum
STR_100_to_120_%	ACCUMULATION	INTEGER	PFC streaming related 100 % < filling level <= 120 %	SCANGPRS.LLCQUL EV_30	Sum	seclcbh, seclctbh, sectchbh, Sum
STR_120_to_140_%	ACCUMULATION	INTEGER	PFC streaming related 120 % < filling level <= 140 %	SCANGPRS.LLCQUL EV_31	Sum	seclcbh, seclctbh, sectchbh, Sum
STR_20_to_40_%	ACCUMULATION	INTEGER	PFC streaming related 20 % < filling level <= 40 %	SCANGPRS.LLCQUL EV_26	Sum	seclcbh, seclctbh, sectchbh, Sum
STR_40_to_60_%	ACCUMULATION	INTEGER	PFC streaming related 40 % < filling level <= 60 %	SCANGPRS.LLCQUL EV_27	Sum	seclcbh, seclctbh, sectchbh, Sum

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STR_60_to_80	ACCUMULATION	INTEGER	PFC streaming related 60 % < filling level <= 80 %	SCANGPRS.LLCQUL EV_28	Sum	seclcbh, seclctbh, sectchbh, Sum
STR_80_to_100_%	ACCUMULATION	INTEGER	PFC streaming related 80 % < filling level <= 100 %	SCANGPRS.LLCQUL EV_29	Sum	seclcbh, seclctbh, sectchbh, Sum
STR_less_than_or_equal_140%	ACCUMULATION	INTEGER	PFC streaming related 140 % <= filling level	SCANGPRS.LLCQUL EV_32	Sum	seclcbh, seclctbh, sectchbh, Sum
STR_less_than_or_equal_to_20%	ACCUMULATION	INTEGER	PFC streaming related filling level <= 20 %	SCANGPRS.LLCQUL EV_25	Sum	seclcbh, seclctbh, sectchbh, Sum

7.5.26 Cell.Siemens.GSM.DMA_admission_control

DMA admission control

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
CS_speech_calls_CFHSY0	ACCUMULATION	INTEGER	Number of admitted CS speech calls on the DMA layer associated with the frequency hopping law CFHSY0. ACADMCDMA.	SCANBTS.ACADMC DMA_1	Sum	seccchbh, seclctbh, sectchbh, Sum
CS_speech_calls_CFHSY1	ACCUMULATION	INTEGER	Number of admitted CS speech calls on the DMA layer	SCANBTS.ACADMC DMA_2	Sum	seccchbh, seclctbh,

			associated with the frequency hopping law CFHSY1. ACADMCDMA.			sectchbh, Sum
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7.5.27 Cell.Siemens.GSM.DMA_rejections

DMA rejections

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
CS_speech_calls_CFHSY0	ACCUMULATION	INTEGER	Number of rejected CS speech calls due to enableSoftBlocking=TRUE on the DMA layer associated with the frequency hopping law CFHSY0. ACREJCDMA.	SCANBTS.ACREJCDMA_1	Sum	seccchbh, secrldtchbh, sectchbh, Sum
CS_speech_calls_CFHSY1	ACCUMULATION	INTEGER	Number of rejected CS speech calls due to enableSoftBlocking=TRUE on the DMA layer associated with the frequency hopping law CFHSY1. ACREJCDMA.	SCANBTS.ACREJCDMA_2	Sum	seccchbh, secrldtchbh, sectchbh, Sum

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7.5.28 Cell.Siemens.GSM.DTM_Measurements

Dual Transfer Mode (DTM)

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Attempts_To_Establish_Dtm_Dl_Cs_Dedicated_Mode	ACCUMULATION	INTEGER	Number of Attempts to Establish a DTM in the Mobile terminated (DL) direction, while CS dedicated mode was established	SCANGPRS.ATDTM REQ_3	Sum	seccchbh , sectchbh, Sum
Attempts_To_Establish_Dtm_Dl_Ps_Connection	ACCUMULATION	INTEGER	Number of Attempts to Establish a DTM in the Mobile terminated (DL) direction, while PS connection was established	SCANGPRS.ATDTM REQ_4	Sum	seccchbh , sectchbh, Sum
Attempts_To_Establish_Dtm_Ul_Cs_Dedicated_Mode	ACCUMULATION	INTEGER	Number of Attempts to Establish a DTM in the Mobile originated (UL) direction, while CS dedicated mode was established	SCANGPRS.ATDTM REQ_1	Sum	seccchbh , sectchbh, Sum
Attempts_To_Establish_Dtm	ACCUMULATION	INTEGER	Number of Attempts to	SCANGPRS.ATDTM REQ_2	Sum	seccchbh ,

m_UL_Ps_Connection			Establish a DTM in the Mobile originated (UL) direction, while PS connection was established			sectchbh, Sum
Succ_Req_To_Estab_Dtm_Call_New_Allocated_Cs	ACCUMULATION	INTEGER	Number of Successful Requests to Establish a DTM call with new allocated CS part	SCANGPRS.SUDTMR EQ_1	Sum	seccchbh , sectchbh, Sum
Succ_Req_To_Estab_Dtm_Call_Unchanged_Cs_Part	ACCUMULATION	INTEGER	Number of Successful Requests to Establish a DTM call with unchanged CS part	SCANGPRS.SUDTMR EQ_2	Sum	seccchbh , sectchbh, Sum
UnSucc_Req_To_Estab_Dtm_Expiry_T3107_Or_T10	ACCUMULATION	INTEGER	Number of Unsuccessful Requests to Establish a DTM due to Expiry of T3107 or T10	SCANGPRS.UNSDT MREQ_2	Sum	seccchbh , sectchbh, Sum
UnSucc_Req_To_Estab_Dtm_Lack_Of_Resources	ACCUMULATION	INTEGER	Number of Unsuccessful Requests to Establish a DTM due to Lack of	SCANGPRS.UNSDT MREQ_3	Sum	seccchbh , sectchbh, Sum

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			resources			
UnSucc_Req_To_Estab_Dtm_Ms_Resource_Failure	ACCUMULATION	INTEGER	Number of Unsuccessful Requests to Establish a DTM due to MS resource access failure	SCANGPRS.UNSDTMREQ_1	Sum	seccchbh , sectchbh, Sum
Unsuccessful_Req_to_Estab_DTM_Power_budget	ACCUMULATION	INTEGER	Number of Unsuccessful Requests to Establish due to DTM power budget handover to another cell	SCANGPRS.UNSDTMREQ_4	Sum	seccchbh , sectchbh, Sum

7.5.29 Cell.Siemens.GSM.Extend_cell_mean_busy_CHs_SLCA

Extended cell mean busy channels SLCA

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
L0_Ext_cell_CS_FR_call_count	ACCUMULATION	INTEGER	Extended cell Each CS FR call counts as "1" busy channel. Layer no 0	SCANBTS_EXTENDED.MEBUTSLY_73	Sum	seccchbh , secrctbh , sectchbh, Sum
L0_Ext_cell_CS_HR_call_count	ACCUMULATION	INTEGER	Extended cell Each CS HR call counts as "1/2 " busy channel. Layer no 0	SCANBTS_EXTENDED.MEBUTSLY_74	Sum	seccchbh , secrctbh , sectchbh, Sum
L0_Ext_cell_PDCH_in_charge_PCU	ACCUMULATION	INTEGER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer	SCANBTS_EXTENDED.MEBUTSLY_75	Sum	seccchbh , secrctbh , sectchbh, Sum

			no 0			
L1_Ext_cell _CS_FR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS FR call counts as "1" busy channel. Layer no 1	SCANBTS_EXTEND ED.MEBUTSLY_76	Sum	seccchbh , seclctbh , sectchbh, Sum
L1_Ext_cell _CS_HR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS HR call counts as "1/2 " busy channel. Layer no 1	SCANBTS_EXTEND ED.MEBUTSLY_77	Sum	seccchbh , seclctbh , sectchbh, Sum
L1_Ext_cell _PDCH_in_ charge_PCU	ACCUMULA TION	INTEG ER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 1	SCANBTS_EXTEND ED.MEBUTSLY_78	Sum	seccchbh , seclctbh , sectchbh, Sum
L10_Ext_cel l_CS_FR_ca ll_count	ACCUMULA TION	INTEG ER	Extended cell Each CS FR call counts as "1" busy channel. Layer no 10	SCANBTS_EXTEND ED.MEBUTSLY_103	Sum	seccchbh , seclctbh , sectchbh, Sum
L10_Ext_cel l_CS_HR_ca ll_count	ACCUMULA TION	INTEG ER	Extended cell Each CS HR call counts as "1/2 " busy channel. Layer no 10	SCANBTS_EXTEND ED.MEBUTSLY_104	Sum	seccchbh , seclctbh , sectchbh, Sum
L10_Ext_cel l_PDCH_in_ chrge_PCU	ACCUMULA TION	INTEG ER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer	SCANBTS_EXTEND ED.MEBUTSLY_105	Sum	seccchbh , seclctbh , sectchbh, Sum

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			no 10			
L11_Ext_cell_CS_FR_call_count	ACCUMULATION	INTEGER	Extended cell Each CS FR call counts as "1" busy channel. Layer no 11	SCANBTS_EXTENDED.MEBUTSLY_106	Sum	seccchbh , seclctbh , sectchbh, Sum
L11_Ext_cell_CS_HR_call_count	ACCUMULATION	INTEGER	Extended cell Each CS HR call counts as "1/2 " busy channel. Layer no 11	SCANBTS_EXTENDED.MEBUTSLY_107	Sum	seccchbh , seclctbh , sectchbh, Sum
L11_Ext_cell_PDCH_in_charge_PCU	ACCUMULATION	INTEGER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 11	SCANBTS_EXTENDED.MEBUTSLY_108	Sum	seccchbh , seclctbh , sectchbh, Sum
L2_Ext_cell_CS_FR_call_count	ACCUMULATION	INTEGER	Extended cell Each CS FR call counts as "1" busy channel. Layer no 2	SCANBTS_EXTENDED.MEBUTSLY_79	Sum	seccchbh , seclctbh , sectchbh, Sum
L2_Ext_cell_CS_HR_call_count	ACCUMULATION	INTEGER	Extended cell Each CS HR call counts as "1/2 " busy channel. Layer no 2	SCANBTS_EXTENDED.MEBUTSLY_80	Sum	seccchbh , seclctbh , sectchbh, Sum
L2_Ext_cell_PDCH_in_charge_PCU	ACCUMULATION	INTEGER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 2	SCANBTS_EXTENDED.MEBUTSLY_81	Sum	seccchbh , seclctbh , sectchbh, Sum
L3_Ext_cell_CS_FR_call_count	ACCUMULATION	INTEGER	Extended cell Each CS FR	SCANBTS_EXTENDED.MEBUTSLY_82	Sum	seccchbh ,

l_count			call counts as "1" busy channel. Layer no 3			seclctbh , sectchbh, Sum
L3_Ext_cell _CS_HR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS HR call counts as "1/2 " busy channel. Layer no 3	SCANBTS_EXTEND ED.MEBUTSLY_83	Sum	seccchbh , seclctbh , sectchbh, Sum
L3_Ext_cell _PDCH_in_ charge_PCU	ACCUMULA TION	INTEG ER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 3	SCANBTS_EXTEND ED.MEBUTSLY_84	Sum	seccchbh , seclctbh , sectchbh, Sum
L4_Ext_cell _CS_FR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS FR call counts as "1" busy channel. Layer no 4	SCANBTS_EXTEND ED.MEBUTSLY_85	Sum	seccchbh , seclctbh , sectchbh, Sum
L4_Ext_cell _CS_HR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS HR call counts as "1/2 " busy channel. Layer no 4	SCANBTS_EXTEND ED.MEBUTSLY_86	Sum	seccchbh , seclctbh , sectchbh, Sum
L4_Ext_cell _PDCH_in_ charge_PCU	ACCUMULA TION	INTEG ER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 4	SCANBTS_EXTEND ED.MEBUTSLY_87	Sum	seccchbh , seclctbh , sectchbh, Sum
L5_Ext_cell _CS_FR_cal	ACCUMULA TION	INTEG ER	Extended cell Each CS FR	SCANBTS_EXTEND ED.MEBUTSLY_88	Sum	seccchbh ,

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l_count			call counts as "1" busy channel. Layer no 5			seclctbh , sectchbh, Sum
L5_Ext_cell _CS_HR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS HR call counts as "1/2 " busy channel. Layer no 5	SCANBTS_EXTEND ED.MEBUTSLY_89	Sum	seccchbh , seclctbh , sectchbh, Sum
L5_Ext_cell _PDCH_in_ charge_PCU	ACCUMULA TION	INTEG ER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 5	SCANBTS_EXTEND ED.MEBUTSLY_90	Sum	seccchbh , seclctbh , sectchbh, Sum
L6_Ext_cell _CS_FR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS FR call counts as "1" busy channel. Layer no 6	SCANBTS_EXTEND ED.MEBUTSLY_91	Sum	seccchbh , seclctbh , sectchbh, Sum
L6_Ext_cell _CS_HR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS HR call counts as "1/2 " busy channel. Layer no 6	SCANBTS_EXTEND ED.MEBUTSLY_92	Sum	seccchbh , seclctbh , sectchbh, Sum
L6_Ext_cell _PDCH_in_ charge_PCU	ACCUMULA TION	INTEG ER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 6	SCANBTS_EXTEND ED.MEBUTSLY_93	Sum	seccchbh , seclctbh , sectchbh, Sum
L7_Ext_cell _CS_FR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS FR call counts as "1" busy channel. Layer no 7	SCANBTS_EXTEND ED.MEBUTSLY_94	Sum	seccchbh , seclctbh , sectchbh, Sum

L7_Ext_cell _CS_HR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS HR call counts as "1/2 " busy channel. Layer no 7	SCANBTS_EXTEND ED.MEBUTSLY_95	Sum	seccchbh , seclctbh , sectchbh, Sum
L7_Ext_cell _PDCH_in_ charge_PCU	ACCUMULA TION	INTEG ER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 7	SCANBTS_EXTEND ED.MEBUTSLY_96	Sum	seccchbh , seclctbh , sectchbh, Sum
L8_Ext_cell _CS_FR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS FR call counts as "1" busy channel. Layer no 8	SCANBTS_EXTEND ED.MEBUTSLY_97	Sum	seccchbh , seclctbh , sectchbh, Sum
L8_Ext_cell _CS_HR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS HR call counts as "1/2 " busy channel. Layer no 8	SCANBTS_EXTEND ED.MEBUTSLY_98	Sum	seccchbh , seclctbh , sectchbh, Sum
L8_Ext_cell _PDCH_in_ charge_PCU	ACCUMULA TION	INTEG ER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 8	SCANBTS_EXTEND ED.MEBUTSLY_99	Sum	seccchbh , seclctbh , sectchbh, Sum
L9_Ext_cell _CS_FR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS FR call counts as "1" busy channel. Layer no 9	SCANBTS_EXTEND ED.MEBUTSLY_100	Sum	seccchbh , seclctbh , sectchbh, Sum

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L9_Ext_cell _CS_HR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS HR call counts as "1/2 " busy channel. Layer no 9	SCANBTS_EXTEND ED.MEBUTSLY_101	Sum	seccchbh , seclctbh , sectchbh, Sum
L9_Ext_cell _PDCH_in_ charge_PCU	ACCUMULA TION	INTEG ER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 9	SCANBTS_EXTEND ED.MEBUTSLY_102	Sum	seccchbh , seclctbh , sectchbh, Sum

7.5.30 Cell.Siemens.GSM.Extend_cell_mean_busy_CHs_SLPA

Extended cell mean busy channels SLPA

KPI	Type	Data Type	Description	Derivation	Default Aggrega tor	Other Aggrega tors
L0_Ext_cell _CS_FR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS FR call counts as "1" busy channel. Layer no 0	SCANBTS_EXTEND ED.MEBUTSLY_37	Sum	seccchbh , seclctbh , sectchbh, Sum
L0_Ext_cell _CS_HR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS HR call counts as "1/2 " busy channel. Layer no 0	SCANBTS_EXTEND ED.MEBUTSLY_38	Sum	seccchbh , seclctbh , sectchbh, Sum
L0_Ext_cell _PDCH_in_ charge_PCU	ACCUMULA TION	INTEG ER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 0	SCANBTS_EXTEND ED.MEBUTSLY_39	Sum	seccchbh , seclctbh , sectchbh, Sum
L1_Ext_cell _CS_FR_cal	ACCUMULA TION	INTEG ER	Extended cell Each CS FR	SCANBTS_EXTEND ED.MEBUTSLY_40	Sum	seccchbh ,

l_count			call counts as "1" busy channel. Layer no 1			seclctbh , sectchbh, Sum
L1_Ext_cell _CS_HR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS HR call counts as "1/2 " busy channel. Layer no 1	SCANBTS_EXTEND ED.MEBUTSLY_41	Sum	seccchbh , seclctbh , sectchbh, Sum
L1_Ext_cell _PDCH_in_ charge_PCU	ACCUMULA TION	INTEG ER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 1	SCANBTS_EXTEND ED.MEBUTSLY_42	Sum	seccchbh , seclctbh , sectchbh, Sum
L10_Ext_cel l_CS_FR_ca ll_count	ACCUMULA TION	INTEG ER	Extended cell Each CS FR call counts as "1" busy channel. Layer no 10	SCANBTS_EXTEND ED.MEBUTSLY_67	Sum	seccchbh , seclctbh , sectchbh, Sum
L10_Ext_cel l_CS_HR_ca ll_count	ACCUMULA TION	INTEG ER	Extended cell Each CS HR call counts as "1/2 " busy channel. Layer no 10	SCANBTS_EXTEND ED.MEBUTSLY_68	Sum	seccchbh , seclctbh , sectchbh, Sum
L10_Ext_cel l_PDCH_in_ chrge_PCU	ACCUMULA TION	INTEG ER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 10	SCANBTS_EXTEND ED.MEBUTSLY_69	Sum	seccchbh , seclctbh , sectchbh, Sum
L11_Ext_cel l_CS_FR_ca	ACCUMULA TION	INTEG ER	Extended cell Each CS FR	SCANBTS_EXTEND ED.MEBUTSLY_70	Sum	seccchbh ,

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ll_count			call counts as "1" busy channel. Layer no 11			seclctbh , sectchbh, Sum
L11_Ext_cell l_CS_HR_cal ll_count	ACCUMULA TION	INTEG ER	Extended cell Each CS HR call counts as "1/2 " busy channel. Layer no 11	SCANBTS_EXTEND ED.MEBUTSLY_71	Sum	seccchbh , seclctbh , sectchbh, Sum
L11_Ext_cell l_PDCH_in_ chrge_PCU	ACCUMULA TION	INTEG ER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 11	SCANBTS_EXTEND ED.MEBUTSLY_72	Sum	seccchbh , seclctbh , sectchbh, Sum
L2_Ext_cell _CS_FR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS FR call counts as "1" busy channel. Layer no 2	SCANBTS_EXTEND ED.MEBUTSLY_43	Sum	seccchbh , seclctbh , sectchbh, Sum
L2_Ext_cell _CS_HR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS HR call counts as "1/2 " busy channel. Layer no 2	SCANBTS_EXTEND ED.MEBUTSLY_44	Sum	seccchbh , seclctbh , sectchbh, Sum
L2_Ext_cell _PDCH_in_ charge_PCU	ACCUMULA TION	INTEG ER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 2	SCANBTS_EXTEND ED.MEBUTSLY_45	Sum	seccchbh , seclctbh , sectchbh, Sum
L3_Ext_cell _CS_FR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS FR call counts as "1" busy channel. Layer no 3	SCANBTS_EXTEND ED.MEBUTSLY_46	Sum	seccchbh , seclctbh , sectchbh, Sum

L3_Ext_cell _CS_HR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS HR call counts as "1/2 " busy channel. Layer no 3	SCANBTS_EXTEND ED.MEBUTSLY_47	Sum	seccchbh , seclctbh , sectchbh, Sum
L3_Ext_cell _PDCH_in_ charge_PCU	ACCUMULA TION	INTEG ER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 3	SCANBTS_EXTEND ED.MEBUTSLY_48	Sum	seccchbh , seclctbh , sectchbh, Sum
L4_Ext_cell _CS_FR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS FR call counts as "1" busy channel. Layer no 4	SCANBTS_EXTEND ED.MEBUTSLY_49	Sum	seccchbh , seclctbh , sectchbh, Sum
L4_Ext_cell _CS_HR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS HR call counts as "1/2 " busy channel. Layer no 4	SCANBTS_EXTEND ED.MEBUTSLY_50	Sum	seccchbh , seclctbh , sectchbh, Sum
L4_Ext_cell _PDCH_in_ charge_PCU	ACCUMULA TION	INTEG ER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 4	SCANBTS_EXTEND ED.MEBUTSLY_51	Sum	seccchbh , seclctbh , sectchbh, Sum
L5_Ext_cell _CS_FR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS FR call counts as "1" busy channel. Layer no 5	SCANBTS_EXTEND ED.MEBUTSLY_52	Sum	seccchbh , seclctbh , sectchbh, Sum

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L5_Ext_cell _CS_HR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS HR call counts as "1/2 " busy channel. Layer no 5	SCANBTS_EXTEND ED.MEBUTSLY_53	Sum	seccchbh , seclctbh , sectchbh, Sum
L5_Ext_cell _PDCH_in_ charge_PCU	ACCUMULA TION	INTEG ER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 5	SCANBTS_EXTEND ED.MEBUTSLY_54	Sum	seccchbh , seclctbh , sectchbh, Sum
L6_Ext_cell _CS_FR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS FR call counts as "1" busy channel. Layer no 6	SCANBTS_EXTEND ED.MEBUTSLY_55	Sum	seccchbh , seclctbh , sectchbh, Sum
L6_Ext_cell _CS_HR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS HR call counts as "1/2 " busy channel. Layer no 6	SCANBTS_EXTEND ED.MEBUTSLY_56	Sum	seccchbh , seclctbh , sectchbh, Sum
L6_Ext_cell _PDCH_in_ charge_PCU	ACCUMULA TION	INTEG ER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 6	SCANBTS_EXTEND ED.MEBUTSLY_57	Sum	seccchbh , seclctbh , sectchbh, Sum
L7_Ext_cell _CS_FR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS FR call counts as "1" busy channel. Layer no 7	SCANBTS_EXTEND ED.MEBUTSLY_58	Sum	seccchbh , seclctbh , sectchbh, Sum
L7_Ext_cell _CS_HR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS HR call counts as "1/2 " busy	SCANBTS_EXTEND ED.MEBUTSLY_59	Sum	seccchbh , seclctbh ,

			channel. Layer no 7			sectchbh, Sum
L7_Ext_cell _PDCH_in_ charge_PCU	ACCUMULA TION	INTEG ER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 7	SCANBTS_EXTEND ED.MEBUTSLY_60	Sum	seccchbh , seclctbh , sectchbh, Sum
L8_Ext_cell _CS_FR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS FR call counts as "1" busy channel. Layer no 8	SCANBTS_EXTEND ED.MEBUTSLY_61	Sum	seccchbh , seclctbh , sectchbh, Sum
L8_Ext_cell _CS_HR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS HR call counts as "1/2 " busy channel. Layer no 8	SCANBTS_EXTEND ED.MEBUTSLY_62	Sum	seccchbh , seclctbh , sectchbh, Sum
L8_Ext_cell _PDCH_in_ charge_PCU	ACCUMULA TION	INTEG ER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 8	SCANBTS_EXTEND ED.MEBUTSLY_63	Sum	seccchbh , seclctbh , sectchbh, Sum
L9_Ext_cell _CS_FR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS FR call counts as "1" busy channel. Layer no 9	SCANBTS_EXTEND ED.MEBUTSLY_64	Sum	seccchbh , seclctbh , sectchbh, Sum
L9_Ext_cell _CS_HR_cal l_count	ACCUMULA TION	INTEG ER	Extended cell Each CS HR call counts as "1/2 " busy	SCANBTS_EXTEND ED.MEBUTSLY_65	Sum	seccchbh , seclctbh ,

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			channel. Layer no 9			sectchbh, Sum
L9_Ext_cell_PDCH_in_charge_PCU	ACCUMULATION	INTEGER	Extended cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 9	SCANBTS_EXTENDED.MEBUTSLY_66	Sum	seccchbh , secrlctbh , sectchbh, Sum

7.5.31 Cell.Siemens.GSM.Extended_TCH_FullRate

Cell related Fullrate Extended Traffic channel measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
attempted_seizures_tch	ACCUMULATION	INT8	**Obsolete in BR10**; Fullrate Extended: Attempted traffic channel seizures	SCANBTS.ATTCHSEI_1	Sum	seccchbh , secrlctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
attempted_tch_seizures_meeting_blocked_state_double_tsl	ACCUMULATION	INT8	Attempted TCH/F seizures meeting a TCH blocked state (double timeslot)	SCANBTS_EXTENDED.ATCHSMBS_11	Sum	seccchbh , secrlctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
attempted_tch_seizures_meeting_blocked_state_single_tsl	ACCUMULATION	INT8	Attempted TCH/F seizures meeting a TCH blocked state (single timeslot)	SCANBTS_EXTENDED.ATCHSMBS_9	Sum	seccchbh , secrlctbh , sectchbh, sectchfrbh, sectchhrbh

						h, Sum
Attempted_Tch_Seizures_Blocked_State	ACCUMULATION	INT8	Fullrate Extended: Attempted TCH/F seizures meeting an Abis subchannel blocked state	SCANBTS_EXTENDED.ATCHSMBS_3	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
established_tch_double_tsl	ACCUMULATION	INT8	Total number of TCH connections established (double timeslot)	SCANBTS_EXTENDED.TNTCHCL_9	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
established_tch_single_tsl	ACCUMULATION	INT8	Total number of TCH connections established (single timeslot)	SCANBTS_EXTENDED.TNTCHCL_7	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_distance_double_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH - distance limit exceeded (double timeslot)	SCANBTS_EXTENDED.NRFLTCH_77	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due	ACCUMULATION	INT8	Number of	SCANBTS_EXTENDED	Sum	seccchbh

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_to_distance_ single_tsl	TION		lost radio links while using a TCH - distance limit exceeded (single timeslot)	ED.NRFLTCH_59		, seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_dm_respo nse_double_ts l	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - unsolicited DM response (double timeslot)	SCANBTS_EXTEND ED.NRFLTCH_74	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_dm_respo nse_single_tsl	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - unsolicited DM response (single timeslot)	SCANBTS_EXTEND ED.NRFLTCH_56	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_ho_failur e_double_tsl	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - handover access failure (double timeslot)	SCANBTS_EXTEND ED.NRFLTCH_78	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_ho_failur e_single_tsl	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - handover access failure (single timeslot)	SCANBTS_EXTEND ED.NRFLTCH_60	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb

						h, Sum
lost_link_due_to_msrfpci_expired_double_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH - MSRFPCI expired (double timeslot)	SCANBTS_EXTENDED.NRFLTCH_76	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_msrfpci_expired_single_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH - MSRFPCI expired (single timeslot)	SCANBTS_EXTENDED.NRFLTCH_58	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_radio_link_double_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH - radio link failure (double timeslot)	SCANBTS_EXTENDED.NRFLTCH_79	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_radio_link_single_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH - radio link failure (single timeslot)	SCANBTS_EXTENDED.NRFLTCH_61	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due	ACCUMULATION	INT8	Number of	SCANBTS_EXTENDED	Sum	seccchbh

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_to_remote_transcoder_double_tsl	TION		lost radio links while using a TCH - remote transcoder failure (double timeslot)	ED.NRFLTCH_80		, seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_remote_transcoder_single_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH - remote transcoder failure (single timeslot)	SCANBTS_EXTEND ED.NRFLTCH_62	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_seq_error_double_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH - sequence error (double timeslot)	SCANBTS_EXTEND ED.NRFLTCH_75	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_seq_error_single_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH - sequence error (single timeslot)	SCANBTS_EXTEND ED.NRFLTCH_57	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_t200_expired_double_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH - T200 expired (double timeslot)	SCANBTS_EXTEND ED.NRFLTCH_73	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh

						h, Sum
lost_link_due_to_t200_expired_single_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH - T200 expired (single timeslot)	SCANBTS_EXTENDED.NRFLTCH_55	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_unspecified_double_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH - unspecified cause (double timeslot)	SCANBTS_EXTENDED.NRFLTCH_81	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_unspecified_single_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH - unspecified cause (single timeslot)	SCANBTS_EXTENDED.NRFLTCH_63	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
max_available_tch_double_tsl	INTENSITY	INTEGER	Max TCHs available in the observed cell for double timeslot	SCANBTS_EXTENDED.NAVTCH_26	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrbh

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						h, sectchhrb h, Sum
max_available_tch_single_tsl	INTENSITY	INTEGER	Max TCHs available in the observed cell for single timeslot	SCANBTS_EXTENDED.NAVTCH_20	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
max_defined_tch_double_tsl	INTENSITY	INTEGER	Max TCHs defined in the observed cell for double timeslot	SCANBTS_EXTENDED.NRDEFTCH_25	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
max_defined_tch_single_tsl	INTENSITY	INTEGER	Max TCHs defined in the observed cell for single timeslot	SCANBTS_EXTENDED.NRDEFTCH_20	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh

						h, Sum
mean_available_tch_double_tsl	INTENSITY	FLOAT	Mean TCHs available in the observed cell for double timeslot	SCANBTS_EXTENDED.NAVTCH_27	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
mean_available_tch_single_tsl	INTENSITY	FLOAT	Mean TCHs available in the observed cell for single timeslot	SCANBTS_EXTENDED.NAVTCH_21	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
mean_busy_tch_double_tsl	INTENSITY	FLOAT	Mean TCHs which have been busy (double timeslot)	SCANBTS_EXTENDED.MEBUSTCH_9	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh

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						h, sectchhrb h, Sum
mean_busy_tch_single_tsl	INTENSITY	FLOAT	Mean TCHs which have been busy (single timeslot)	SCANBTS_EXTENDED.MEBUSTCH_7	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
mean_defined_tch_double_tsl	INTENSITY	FLOAT	Mean TCHs defined in the observed cell for double timeslot	SCANBTS_EXTENDED.NRDEFTCH_27	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
mean_defined_tch_single_tsl	INTENSITY	FLOAT	Mean TCHs defined in the observed cell for single timeslot	SCANBTS_EXTENDED.NRDEFTCH_21	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, sectchhrbh

						h, Sum
min_available_tch_double_tsl	INTENSITY	INTEGER	Min TCHs available in the observed cell for double timeslot	SCANBTS_EXTENDED.NAVTCH_25	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
min_available_tch_single_ts1	INTENSITY	INTEGER	Min TCHs available in the observed cell for single timeslot	SCANBTS_EXTENDED.NAVTCH_19	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
min_defined_tch_double_ts1	INTENSITY	INTEGER	Min TCHs defined in the observed cell for double timeslot	SCANBTS_EXTENDED.NRDEFTCH_26	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh

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						h, sectchhrb h, Sum
min_defined_ tch_single_tsl	INTENSITY	INTEGER	Min TCHs defined in the observed cell for single timeslot	SCANBTS_EXTEND ED.NRDEFTCH_19	Average	Average, Maximum, Minimum, seccchbh , secrlctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
successful_sei zures_tch	ACCUMULA TION	INT8	**Obsolete in BR10**; Fullrate Extended: Successful traffic channel seizures	SCANBTS.SUCTCHS E_1	Sum	seccchbh , secrlctbh , sectchbh, sectchfrb h, sectchhrb h, Sum

7.5.32 Cell.Siemens.GSM.Extended_TCH_HalfRate

Cell related Halfrate Extended Traffic channel measurements

KPI	Type	Data Type	Description	Derivation	Default Aggrega tor	Other Aggrega tors
attempted_sei zures_tch	ACCUMULA TION	INT8	**Obsolete in BR10**; Halfrate Extended: Attempted traffic channel seizures	SCANBTS.ATTCHSE I_2	Sum	seccchbh , secrlctbh , sectchbh, sectchfrb h, sectchhrb h, Sum

attempted_tch_seizures_meeting_blocked_state_double_tsl	ACCUMULATION	INT8	Attempted TCH/H seizures meeting a TCH blocked state (double timeslot)	SCANBTS_EXTENDED.ATCHSMBS_12	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
attempted_tch_seizures_meeting_blocked_state_single_tsl	ACCUMULATION	INT8	Attempted TCH/H seizures meeting a TCH blocked state (single timeslot)	SCANBTS_EXTENDED.ATCHSMBS_10	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
Attempted_Tchh_Seizures_Blocked_State	ACCUMULATION	INT8	Halfrate Extended: Attempted TCH/H seizures meeting an Abis subchannel blocked state	SCANBTS_EXTENDED.ATCHSMBS_4	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
established_tch_double_tsl	INTENSITY	INTEGER	Total number of TCH connections established (double timeslot)	SCANBTS_EXTENDED.TNTCHCL_10	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh

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						h, Sum
established_tch_single_tsl	INTENSITY	INTEGER	Total number of TCH connections established (single timeslot)	SCANBTS_EXTENDED.TNTCHCL_8	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_distance_double_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH - distance limit exceeded (double timeslot)	SCANBTS_EXTENDED.NRFLTCH_86	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_distance_single_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH - distance limit exceeded (single timeslot)	SCANBTS_EXTENDED.NRFLTCH_68	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_dm_response_double_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH - unsolicited DM response (double timeslot)	SCANBTS_EXTENDED.NRFLTCH_83	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due	ACCUMULATION	INT8	Number of	SCANBTS_EXTENDED	Sum	seccchbh

_to_dm_response_single_tsl	TION		lost radio links while using a TCH - unsolicited DM response (single timeslot)	ED.NRFLTCH_65		, secrctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_ho_failure_double_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH - handover access failure (double timeslot)	SCANBTS_EXTEND ED.NRFLTCH_87	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_ho_failure_single_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH - handover access failure (single timeslot)	SCANBTS_EXTEND ED.NRFLTCH_69	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_msrfpci_expired_double_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH - MSRFPCI expired (double timeslot)	SCANBTS_EXTEND ED.NRFLTCH_85	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_msrfpci_expired_single_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH -	SCANBTS_EXTEND ED.NRFLTCH_67	Sum	seccchbh , secrctbh ,

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			MSRFPCI expired (single timeslot)			sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_radio_lin k_double_tsl	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - radio link failure (double timeslot)	SCANBTS_EXTEND ED.NRFLTCH_88	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_radio_lin k_single_tsl	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - radio link failure (single timeslot)	SCANBTS_EXTEND ED.NRFLTCH_70	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_remote_tr anscoder_dou ble_tsl	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - remote transcoder failure (double timeslot)	SCANBTS_EXTEND ED.NRFLTCH_89	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_remote_tr anscoder_sing le_tsl	ACCUMULA TION	INT8	Number of lost radio links while using a TCH - remote transcoder failure (single timeslot)	SCANBTS_EXTEND ED.NRFLTCH_71	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
lost_link_due _to_seq_error	ACCUMULA TION	INT8	Number of lost radio	SCANBTS_EXTEND ED.NRFLTCH_84	Sum	seccchbh ,

_double_tsl			links while using a TCH - sequence error (double timeslot)			seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_seq_error_single_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH - sequence error (single timeslot)	SCANBTS_EXTENDED.NRFLTCH_66	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_t200_expired_double_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH - T200 expired (double timeslot)	SCANBTS_EXTENDED.NRFLTCH_82	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_t200_expired_single_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH - T200 expired (single timeslot)	SCANBTS_EXTENDED.NRFLTCH_64	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
lost_link_due_to_unspecified_double_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH - unspecified	SCANBTS_EXTENDED.NRFLTCH_90	Sum	seccchbh , seclctbh , sectchbh,

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			cause (double timeslot)			sectchfrbh, sectchhrbh, Sum
lost_link_due_to_unspecified_single_tsl	ACCUMULATION	INT8	Number of lost radio links while using a TCH - unspecified cause (single timeslot)	SCANBTS_EXTENDED.NRFLTCH_72	Sum	secccchbh, secrldtch, sectchbh, sectchfrbh, sectchhrbh, Sum
max_available_tch_double_tsl	INTENSITY	INTEGER	Max TCHs available in the observed cell for double timeslot	SCANBTS_EXTENDED.NAVTCH_29	Average	Average, Maximum, Minimum, secccchbh, secrldtch, sectchbh, sectchfrbh, sectchhrbh, Sum
max_available_tch_single_tsl	INTENSITY	INTEGER	Max TCHs available in the observed cell for single timeslot	SCANBTS_EXTENDED.NAVTCH_23	Average	Average, Maximum, Minimum, secccchbh, secrldtch, sectchbh, sectchfrbh, sectchhrbh, Sum
max_defined_tch_double_ts	INTENSITY	INTEGER	Max TCHs defined in the	SCANBTS_EXTENDED.NRDEFTCH_29	Average	Average, Maximum

1			observed cell for double timeslot			m, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
max_defined_tch_single_tsl	INTENSITY	INTEGER	Max TCHs defined in the observed cell for single timeslot	SCANBTS_EXTENDED.NRDEFTCH_23	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
mean_available_tch_double_tsl	INTENSITY	FLOAT	Mean TCHs available in the observed cell for double timeslot	SCANBTS_EXTENDED.NAVTCH_30	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum

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mean_available_tch_single_tsl	INTENSITY	FLOAT	Mean TCHs available in the observed cell for single timeslot	SCANBTS_EXTENDED.NAVTCH_24	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
mean_busy_tch_double_tsl	INTENSITY	FLOAT	Mean TCHs which have been busy (double timeslot)	SCANBTS_EXTENDED.MEBUSTCH_10	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
mean_busy_tch_single_tsl	INTENSITY	FLOAT	Mean TCHs which have been busy (single timeslot)	SCANBTS_EXTENDED.MEBUSTCH_8	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
mean_defined_tch_double_t	INTENSITY	FLOAT	Mean TCHs defined in the	SCANBTS_EXTENDED.NRDEFTCH_30	Average	Average, Maximum

sl			observed cell for double timeslot			m, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
mean_defined_tch_single_tsl	INTENSITY	FLOAT	Mean TCHs defined in the observed cell for single timeslot	SCANBTS_EXTENDED.NRDEFTCH_24	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
min_available_tch_double_tsl	INTENSITY	INTEGER	Min TCHs available in the observed cell for double timeslot	SCANBTS_EXTENDED.NAVTCH_28	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum

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min_available_tch_single_tsl	INTENSITY	INTEGER	Min TCHs available in the observed cell for single timeslot	SCANBTS_EXTENDED.NAVTCH_22	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
min_defined_tch_double_tsl	INTENSITY	INTEGER	Min TCHs defined in the observed cell for double timeslot	SCANBTS_EXTENDED.NRDEFTCH_28	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
min_defined_tch_single_tsl	INTENSITY	INTEGER	Min TCHs defined in the observed cell for single timeslot	SCANBTS_EXTENDED.NRDEFTCH_22	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
successful_seizures_tch	ACCUMULATION	INT8	**Obsolete in BR10**;	SCANBTS.SUCTCHSE_2	Sum	seccchbh,

			Half-rate Extended: Successful traffic channel seizures			seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
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7.5.33 Cell.Siemens.GSM.FACCH_Supervision

FACCH Supervision

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Transmitted_Asshocmd_Phys_Ua_Frames_Abistch_Afs	ACCUMULATION	INTEGER	Number of transmitted I(ASSHOCMD), UI(PHYS INFO) and UA frames (Abis-TCH) - TCH/AFS	SCANBTSE.FACCH SUP_1	Sum	seccchbh , sectchbh, Sum
Transmitted_Asshocmd_Phys_Ua_Frames_Abistch_Ahs	ACCUMULATION	INTEGER	Number of transmitted I(ASSHOCMD), UI(PHYS INFO) and UA frames (Abis-TCH) - TCH/AHS	SCANBTSE.FACCH SUP_2	Sum	seccchbh , sectchbh, Sum
Transmitted_Asshocmd_Phys_Ua_Frames_Abistch_Efs	ACCUMULATION	INTEGER	Number of transmitted I(ASSHOCMD), UI(PHYS INFO) and UA frames (Abis-TCH) - TCH/EFS	SCANBTSE.FACCH SUP_3	Sum	seccchbh , sectchbh, Sum

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Transmitted_Asshocmd_Phys_Ua_Frames_Abistch_Fs	ACCUMULATION	INTEGER	Number of transmitted I(ASSHOCMD), UI(PHYS INFO) and UA frames (Abis-TCH) - TCH/FS	SCANBTSE.FACCH SUP_4	Sum	seccchbh , sectchbh, Sum
Transmitted_Asshocmd_Phys_Ua_Frames_Abistch_Hs	ACCUMULATION	INTEGER	Number of transmitted I(ASSHOCMD), UI(PHYS INFO) and UA frames (Abis-TCH) - TCH/HS	SCANBTSE.FACCH SUP_5	Sum	seccchbh , sectchbh, Sum
Transmitted_Facch_Asshocmd_Phys_Ua_Frames_Um_tch_Afs	ACCUMULATION	INTEGER	Number of transmitted FACCH blocks used to send over the radio interface the I(ASSHOCMD), UI(PHYS INFO) and UA frames (Um-TCH) - TCH/AFS	SCANBTSE.FACCH SUP_6	Sum	seccchbh , sectchbh, Sum
Transmitted_Facch_Asshocmd_Phys_Ua_Frames_Um_tch_Ahs	ACCUMULATION	INTEGER	Number of transmitted FACCH blocks used to send over the radio interface the I(ASSHOCMD), UI(PHYS INFO) and UA frames (Um-TCH) - TCH/AHS	SCANBTSE.FACCH SUP_7	Sum	seccchbh , sectchbh, Sum
Transmitted_	ACCUMULATION	INTEGER	Number of	SCANBTSE.FACCH	Sum	seccchbh

Facch_Assho cmd_Phys_U a_Frames_U mtch_Efs	TION	ER	transmitted FACCH blocks used to send over the radio interface the I(ASSHOCM D), UI(PHYS INFO) and UA frames (Um-TCH) - TCH/EFS	SUP_8		, sectchbh, Sum
Transmitted_ Facch_Assho cmd_Phys_U a_Frames_U mtch_Fs	ACCUMULA TION	INTEG ER	Number of transmitted FACCH blocks used to send over the radio interface the I(ASSHOCM D), UI(PHYS INFO) and UA frames (Um-TCH) - TCH/FS	SCANBTSE.FACCH SUP_9	Sum	seccchbh , sectchbh, Sum
Transmitted_ Facch_Assho cmd_Phys_U a_Frames_U mtch_Hs	ACCUMULA TION	INTEG ER	Number of transmitted FACCH blocks used to send over the radio interface the I(ASSHOCM D), UI(PHYS INFO) and UA frames (Um-TCH) - TCH/HS	SCANBTSE.FACCH SUP_10	Sum	seccchbh , sectchbh, Sum

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7.5.34 Cell.Siemens.GSM.FER_AMR_FullRate

Frame Error Rate related measurements for Adaptive Multirate- fullrate codec.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Total_DL_FERs_AMR_FR10200_Bin1	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 10.2 kbit/s codec (for Bin1)	SCANBTSE.AMRFER_66	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_FR10200_Bin2	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 10.2 kbit/s codec (for Bin2)	SCANBTSE.AMRFER_82	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_FR10200_Bin3	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 10.2 kbit/s codec (for Bin3)	SCANBTSE.AMRFER_98	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_FR10200_Bin4	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 10.2 kbit/s codec (for Bin4)	SCANBTSE.AMRFER_114	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_DL_FER	ACCUMULATION	INTEGER	Number of	SCANBTSE.AMRFER	Sum	seclctbh

Rs_AMR_FR 12200_Bin1	TION	ER	downlink frame erasure rate (FER) occurrences for AMR-FR with 12.2 kbit/ s codec (for Bin1)	R_65		, sectchbh, sectchfrb h, Sum
Total_DL_FE Rs_AMR_FR 12200_Bin2	ACCUMULA TION	INTEG ER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 12.2 kbit/ s codec (for Bin2)	SCANBTSE.AMRFE R_81	Sum	seclctbh , sectchbh, sectchfrb h, Sum
Total_DL_FE Rs_AMR_FR 12200_Bin3	ACCUMULA TION	INTEG ER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 12.2 kbit/ s codec (for Bin3)	SCANBTSE.AMRFE R_97	Sum	seclctbh , sectchbh, sectchfrb h, Sum
Total_DL_FE Rs_AMR_FR 12200_Bin4	ACCUMULA TION	INTEG ER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 12.2 kbit/ s codec (for Bin4)	SCANBTSE.AMRFE R_113	Sum	seclctbh , sectchbh, sectchfrb h, Sum
Total_DL_FE Rs_AMR_FR 4750_Bin1	ACCUMULA TION	INTEG ER	Number of downlink frame erasure rate (FER)	SCANBTSE.AMRFE R_72	Sum	seclctbh , sectchbh, sectchfrb

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			occurrences for AMR-FR with 4.75 kbit/ s codec (for Bin1)			h, Sum
Total_DL_FERs_AMR_FR4750_Bin2	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 4.75 kbit/ s codec (for Bin2)	SCANBTSE.AMRFER_88	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_FR4750_Bin3	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 4.75 kbit/ s codec (for Bin3)	SCANBTSE.AMRFER_104	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_FR4750_Bin4	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 4.75 kbit/ s codec (for Bin4)	SCANBTSE.AMRFER_120	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_FR5150_Bin1	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 5.15 kbit/ s codec (for Bin1)	SCANBTSE.AMRFER_71	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_FR	ACCUMULATION	INTEGER	Number of downlink	SCANBTSE.AMRFER_87	Sum	seclctbh ,

5150_Bin2			frame erasure rate (FER) occurrences for AMR-FR with 5.15 kbit/s codec (for Bin2)			sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_FR_5150_Bin3	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 5.15 kbit/s codec (for Bin3)	SCANBTSE.AMRFER_103	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_FR_5150_Bin4	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 5.15 kbit/s codec (for Bin4)	SCANBTSE.AMRFER_119	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_FR_5900_Bin1	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 5.9 kbit/s codec (for Bin1)	SCANBTSE.AMRFER_70	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_FR_5900_Bin2	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences	SCANBTSE.AMRFER_86	Sum	seclctbh, sectchbh, sectchfrbh, Sum

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			for AMR-FR with 5.9 kbit/s codec (for Bin2)			
Total_DL_FERs_AMR_FR5900_Bin3	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 5.9 kbit/s codec (for Bin3)	SCANBTSE.AMRFER_102	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_FR5900_Bin4	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 5.9 kbit/s codec (for Bin4)	SCANBTSE.AMRFER_118	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_FR6700_Bin1	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 6.7 kbit/s codec (for Bin1)	SCANBTSE.AMRFER_69	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_FR6700_Bin2	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 6.7 kbit/s codec (for Bin2)	SCANBTSE.AMRFER_85	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_FR6700_Bin3	ACCUMULATION	INTEGER	Number of downlink frame erasure	SCANBTSE.AMRFER_101	Sum	seclctbh , sectchbh,

			rate (FER) occurrences for AMR-FR with 6.7 kbit/s codec (for Bin3)			sectchfrbh, Sum
Total_DL_FERs_AMR_FR_6700_Bin4	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 6.7 kbit/s codec (for Bin4)	SCANBTSE.AMRFER_117	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_FR_7400_Bin1	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 7.4 kbit/s codec (for Bin1)	SCANBTSE.AMRFER_68	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_FR_7400_Bin2	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 7.4 kbit/s codec (for Bin2)	SCANBTSE.AMRFER_84	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_FR_7400_Bin3	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR	SCANBTSE.AMRFER_100	Sum	seclctbh, sectchbh, sectchfrbh, Sum

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			with 7.4 kbit/s codec (for Bin3)			
Total_DL_FE Rs_AMR_FR 7400_Bin4	ACCUMULA TION	INTEG ER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 7.4 kbit/s codec (for Bin4)	SCANBTSE.AMRFE R_116	Sum	seclctbh , sectchbh, sectchfrb h, Sum
Total_DL_FE Rs_AMR_FR 7950_Bin1	ACCUMULA TION	INTEG ER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 7.95 kbit/ s codec (for Bin1)	SCANBTSE.AMRFE R_67	Sum	seclctbh , sectchbh, sectchfrb h, Sum
Total_DL_FE Rs_AMR_FR 7950_Bin2	ACCUMULA TION	INTEG ER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 7.95 kbit/ s codec (for Bin2)	SCANBTSE.AMRFE R_83	Sum	seclctbh , sectchbh, sectchfrb h, Sum
Total_DL_FE Rs_AMR_FR 7950_Bin3	ACCUMULA TION	INTEG ER	Number of downlink frame erasure rate (FER) occurrences for AMR-FR with 7.95 kbit/ s codec (for Bin3)	SCANBTSE.AMRFE R_99	Sum	seclctbh , sectchbh, sectchfrb h, Sum
Total_DL_FE Rs_AMR_FR 7950_Bin4	ACCUMULA TION	INTEG ER	Number of downlink frame erasure rate (FER)	SCANBTSE.AMRFE R_115	Sum	seclctbh , sectchbh, sectchfrb

			occurrences for AMR-FR with 7.95 kbit/s codec (for Bin4)			h, Sum
Total_UL_FERs_AMR_FR_10200_Bin1	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 10.2 kbit/s codec (for Bin1)	SCANBTSE.AMRFER_2	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_FR_10200_Bin2	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 10.2 kbit/s codec (for Bin2)	SCANBTSE.AMRFER_18	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_FR_10200_Bin3	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 10.2 kbit/s codec (for Bin3)	SCANBTSE.AMRFER_34	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_FR_10200_Bin4	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 10.2 kbit/s	SCANBTSE.AMRFER_50	Sum	seclctbh, sectchbh, sectchfrbh, Sum

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			s codec (for Bin4)			
Total_UL_FERs_AMR_FR12200_Bin1	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 12.2 kbit/s codec (for Bin1)	SCANBTSE.AMRFER_1	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_FR12200_Bin2	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 12.2 kbit/s codec (for Bin2)	SCANBTSE.AMRFER_17	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_FR12200_Bin3	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 12.2 kbit/s codec (for Bin3)	SCANBTSE.AMRFER_33	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_FR12200_Bin4	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 12.2 kbit/s codec (for Bin4)	SCANBTSE.AMRFER_49	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_FR4750_Bin1	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences	SCANBTSE.AMRFER_8	Sum	seclctbh , sectchbh, sectchfrbh, Sum

			for AMR-FR with 4.75 kbit/ s codec (for Bin1)			
Total_UL_FE Rs_AMR_FR 4750_Bin2	ACCUMULA TION	INTEG ER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 4.75 kbit/ s codec (for Bin2)	SCANBTSE.AMRFE R_24	Sum	seclctbh , sectchbh, sectchfrb h, Sum
Total_UL_FE Rs_AMR_FR 4750_Bin3	ACCUMULA TION	INTEG ER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 4.75 kbit/ s codec (for Bin3)	SCANBTSE.AMRFE R_40	Sum	seclctbh , sectchbh, sectchfrb h, Sum
Total_UL_FE Rs_AMR_FR 4750_Bin4	ACCUMULA TION	INTEG ER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 4.75 kbit/ s codec (for Bin4)	SCANBTSE.AMRFE R_56	Sum	seclctbh , sectchbh, sectchfrb h, Sum
Total_UL_FE Rs_AMR_FR 5150_Bin1	ACCUMULA TION	INTEG ER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 5.15 kbit/ s codec (for	SCANBTSE.AMRFE R_7	Sum	seclctbh , sectchbh, sectchfrb h, Sum

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			Bin1)			
Total_UL_FERs_AMR_FR5150_Bin2	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 5.15 kbit/s codec (for Bin2)	SCANBTSE.AMRFER_23	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_FR5150_Bin3	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 5.15 kbit/s codec (for Bin3)	SCANBTSE.AMRFER_39	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_FR5150_Bin4	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 5.15 kbit/s codec (for Bin4)	SCANBTSE.AMRFER_55	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_FR5900_Bin1	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 5.9 kbit/s codec (for Bin1)	SCANBTSE.AMRFER_6	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_FR5900_Bin2	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR	SCANBTSE.AMRFER_22	Sum	seclctbh , sectchbh, sectchfrbh, Sum

			with 5.9 kbit/s codec (for Bin2)			
Total_UL_FERs_AMR_FR5900_Bin3	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 5.9 kbit/s codec (for Bin3)	SCANBTSE.AMRFER_38	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_FR5900_Bin4	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 5.9 kbit/s codec (for Bin4)	SCANBTSE.AMRFER_54	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_FR6700_Bin1	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 6.7 kbit/s codec (for Bin1)	SCANBTSE.AMRFER_5	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_FR6700_Bin2	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 6.7 kbit/s codec (for Bin2)	SCANBTSE.AMRFER_21	Sum	seclctbh , sectchbh, sectchfrbh, Sum

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Total_UL_FERs_AMR_FR6700_Bin3	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 6.7 kbit/s codec (for Bin3)	SCANBTSE.AMRFER_37	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_FR6700_Bin4	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 6.7 kbit/s codec (for Bin4)	SCANBTSE.AMRFER_53	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_FR7400_Bin1	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 7.4 kbit/s codec (for Bin1)	SCANBTSE.AMRFER_4	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_FR7400_Bin2	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 7.4 kbit/s codec (for Bin2)	SCANBTSE.AMRFER_20	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_FR7400_Bin3	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 7.4 kbit/s	SCANBTSE.AMRFER_36	Sum	seclctbh , sectchbh, sectchfrbh, Sum

			codec (for Bin3)			
Total_UL_FERs_AMR_FR7400_Bin4	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 7.4 kbit/s codec (for Bin4)	SCANBTSE.AMRFER_52	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_FR7950_Bin1	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 7.95 kbit/s codec (for Bin1)	SCANBTSE.AMRFER_3	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_FR7950_Bin2	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 7.95 kbit/s codec (for Bin2)	SCANBTSE.AMRFER_19	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_FR7950_Bin3	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 7.95 kbit/s codec (for Bin3)	SCANBTSE.AMRFER_35	Sum	seclctbh, sectchbh, sectchfrbh, Sum

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Total_UL_FERs_AMR_FR7950_Bin4	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-FR with 7.95 kbit/s codec (for Bin4)	SCANBTSE.AMRFER_51	Sum	seclctbh , sectchbh, sectchfrbh, Sum
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7.5.35 Cell.Siemens.GSM.FER_AMR_HalfRate

Frame Error Rate related measurements for Adaptive Multirate- HalfRate codec.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Total_DL_FERs_AMR_HR4750_Bin1	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-HR with 4.75 kbit/s codec (for Bin1)	SCANBTSE.AMRFER_77	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_DL_FERs_AMR_HR4750_Bin2	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-HR with 4.75 kbit/s codec (for Bin2)	SCANBTSE.AMRFER_93	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_DL_FERs_AMR_HR4750_Bin3	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-HR with 4.75 kbit/s codec (for Bin3)	SCANBTSE.AMRFER_109	Sum	seclctbh , sectchbh, sectchhrbh, Sum

Total_DL_FERs_AMR_HR4750_Bin4	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-HR with 4.75 kbit/s codec (for Bin4)	SCANBTSE.AMRFER_125	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_DL_FERs_AMR_HR5150_Bin1	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-HR with 5.15 kbit/s codec (for Bin1)	SCANBTSE.AMRFER_76	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_DL_FERs_AMR_HR5150_Bin2	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-HR with 5.15 kbit/s codec (for Bin2)	SCANBTSE.AMRFER_92	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_DL_FERs_AMR_HR5150_Bin3	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-HR with 5.15 kbit/s codec (for Bin3)	SCANBTSE.AMRFER_108	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_DL_FERs_AMR_HR5150_Bin4	ACCUMULATION	INTEGER	Number of downlink frame erasure	SCANBTSE.AMRFER_124	Sum	seclctbh , sectchbh,

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			rate (FER) occurrences for AMR-HR with 5.15 kbit/s codec (for Bin4)			sectchhrb h, Sum
Total_DL_FERs_AMR_HR_5900_Bin1	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-HR with 5.9 kbit/s codec (for Bin1)	SCANBTSE.AMRFER_75	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_DL_FERs_AMR_HR_5900_Bin2	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-HR with 5.9 kbit/s codec (for Bin2)	SCANBTSE.AMRFER_91	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_DL_FERs_AMR_HR_5900_Bin3	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-HR with 5.9 kbit/s codec (for Bin3)	SCANBTSE.AMRFER_107	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_DL_FERs_AMR_HR_5900_Bin4	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-HR with 5.9 kbit/s codec (for Bin4)	SCANBTSE.AMRFER_123	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_DL_FER	ACCUMULATION	INTEGER	Number of	SCANBTSE.AMRFER	Sum	seclctbh

Rs_AMR_HR 6700_Bin1	TION	ER	downlink frame erasure rate (FER) occurrences for AMR-HR with 6.7 kbit/s codec (for Bin1)	R_74		, sectchbh, sectchhrb h, Sum
Total_DL_FE Rs_AMR_HR 6700_Bin2	ACCUMULA TION	INTEG ER	Number of downlink frame erasure rate (FER) occurrences for AMR-HR with 6.7 kbit/s codec (for Bin2)	SCANBTSE.AMRFE R_90	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_DL_FE Rs_AMR_HR 6700_Bin3	ACCUMULA TION	INTEG ER	Number of downlink frame erasure rate (FER) occurrences for AMR-HR with 6.7 kbit/s codec (for Bin3)	SCANBTSE.AMRFE R_106	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_DL_FE Rs_AMR_HR 6700_Bin4	ACCUMULA TION	INTEG ER	Number of downlink frame erasure rate (FER) occurrences for AMR-HR with 6.7 kbit/s codec (for Bin4)	SCANBTSE.AMRFE R_122	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_DL_FE Rs_AMR_HR 7400_Bin1	ACCUMULA TION	INTEG ER	Number of downlink frame erasure rate (FER)	SCANBTSE.AMRFE R_73	Sum	seclctbh , sectchbh, sectchhrb

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			occurrences for AMR-HR with 7.4 kbit/s codec (for Bin1)			h, Sum
Total_DL_FERs_AMR_HR_7400_Bin2	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-HR with 7.4 kbit/s codec (for Bin2)	SCANBTSE.AMRFER_89	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_DL_FERs_AMR_HR_7400_Bin3	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-HR with 7.4 kbit/s codec (for Bin3)	SCANBTSE.AMRFER_105	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_DL_FERs_AMR_HR_7400_Bin4	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-HR with 7.4 kbit/s codec (for Bin4)	SCANBTSE.AMRFER_121	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_UL_FERs_AMR_HR_4750_Bin1	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-HR with 4.75 kbit/s codec (for Bin1)	SCANBTSE.AMRFER_13	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_UL_FERs_AMR_HR	ACCUMULATION	INTEGER	Number of uplink frame	SCANBTSE.AMRFER_29	Sum	seclctbh ,

4750_Bin2			erasure rate (FER) occurrences for AMR-HR with 4.75 kbit/s codec (for Bin2)			sectchbh, sectchhrbh, Sum
Total_UL_FERs_AMR_HR_4750_Bin3	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-HR with 4.75 kbit/s codec (for Bin3)	SCANBTSE.AMRFER_45	Sum	seclctbh, sectchbh, sectchhrbh, Sum
Total_UL_FERs_AMR_HR_4750_Bin4	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-HR with 4.75 kbit/s codec (for Bin4)	SCANBTSE.AMRFER_61	Sum	seclctbh, sectchbh, sectchhrbh, Sum
Total_UL_FERs_AMR_HR_5150_Bin1	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-HR with 5.15 kbit/s codec (for Bin1)	SCANBTSE.AMRFER_12	Sum	seclctbh, sectchbh, sectchhrbh, Sum
Total_UL_FERs_AMR_HR_5150_Bin2	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences	SCANBTSE.AMRFER_28	Sum	seclctbh, sectchbh, sectchhrbh, Sum

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			for AMR-HR with 5.15 kbit/s codec (for Bin2)			
Total_UL_FE Rs_AMR_HR 5150_Bin3	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-HR with 5.15 kbit/s codec (for Bin3)	SCANBTSE.AMRFER_44	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_UL_FE Rs_AMR_HR 5150_Bin4	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-HR with 5.15 kbit/s codec (for Bin4)	SCANBTSE.AMRFER_60	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_UL_FE Rs_AMR_HR 5900_Bin1	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-HR with 5.9 kbit/s codec (for Bin1)	SCANBTSE.AMRFER_11	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_UL_FE Rs_AMR_HR 5900_Bin2	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-HR with 5.9 kbit/s codec (for Bin2)	SCANBTSE.AMRFER_27	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_UL_FE Rs_AMR_HR 5900_Bin3	ACCUMULATION	INTEGER	Number of uplink frame erasure rate	SCANBTSE.AMRFER_43	Sum	seclctbh , sectchbh,

			(FER) occurrences for AMR-HR with 5.9 kbit/s codec (for Bin3)			sectchhrb h, Sum
Total_UL_FE Rs_AMR_HR 5900_Bin4	ACCUMULA TION	INTEG ER	Number of uplink frame erasure rate (FER) occurrences for AMR-HR with 5.9 kbit/s codec (for Bin4)	SCANBTSE.AMRFE R_59	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_UL_FE Rs_AMR_HR 6700_Bin1	ACCUMULA TION	INTEG ER	Number of uplink frame erasure rate (FER) occurrences for AMR-HR with 6.7 kbit/s codec (for Bin1)	SCANBTSE.AMRFE R_10	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_UL_FE Rs_AMR_HR 6700_Bin2	ACCUMULA TION	INTEG ER	Number of uplink frame erasure rate (FER) occurrences for AMR-HR with 6.7 kbit/s codec (for Bin2)	SCANBTSE.AMRFE R_26	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_UL_FE Rs_AMR_HR 6700_Bin3	ACCUMULA TION	INTEG ER	Number of uplink frame erasure rate (FER) occurrences for AMR-HR	SCANBTSE.AMRFE R_42	Sum	seclctbh , sectchbh, sectchhrb h, Sum

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			with 6.7 kbit/s codec (for Bin3)			
Total_UL_FE Rs_AMR_HR 6700_Bin4	ACCUMULA TION	INTEG ER	Number of uplink frame erasure rate (FER) occurrences for AMR-HR with 6.7 kbit/s codec (for Bin4)	SCANBTSE.AMRFE R_58	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_UL_FE Rs_AMR_HR 7400_Bin1	ACCUMULA TION	INTEG ER	Number of uplink frame erasure rate (FER) occurrences for AMR-HR with 7.4 kbit/s codec (for Bin1)	SCANBTSE.AMRFE R_9	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_UL_FE Rs_AMR_HR 7400_Bin2	ACCUMULA TION	INTEG ER	Number of uplink frame erasure rate (FER) occurrences for AMR-HR with 7.4 kbit/s codec (for Bin2)	SCANBTSE.AMRFE R_25	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_UL_FE Rs_AMR_HR 7400_Bin3	ACCUMULA TION	INTEG ER	Number of uplink frame erasure rate (FER) occurrences for AMR-HR with 7.4 kbit/s codec (for Bin3)	SCANBTSE.AMRFE R_41	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_UL_FE Rs_AMR_HR 7400_Bin4	ACCUMULA TION	INTEG ER	Number of uplink frame erasure rate (FER)	SCANBTSE.AMRFE R_57	Sum	seclctbh , sectchbh, sectchhrb

			occurrences for AMR-HR with 7.4 kbit/s codec (for Bin4)			h, Sum
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7.5.36 Cell.Siemens.GSM.FER_AMR_WB

Frame Error Rate related measurements for Adaptive Multirate- Wide Band codec.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Total_DL_FERs_AMR_WB12650_Bin1	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-WB with 12.65 kbit/s codec (for Bin1)	SCANBTSE.AMRFER_78	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_WB12650_Bin2	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-WB with 12.65 kbit/s codec (for Bin2)	SCANBTSE.AMRFER_94	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_WB12650_Bin3	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-WB with 12.65 kbit/s codec	SCANBTSE.AMRFER_110	Sum	seclctbh, sectchbh, sectchfrbh, Sum

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			(for Bin3)			
Total_DL_FERs_AMR_WB12650_Bin4	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-WB with 12.65 kbit/s codec (for Bin4)	SCANBTSE.AMRFER_126	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_WB6600_Bin1	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-WB with 6.6 kbit/s codec for Bin1.	SCANBTSE.AMRFER_80	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_WB6600_Bin2	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-WB with 6.6 kbit/s codec (for Bin2)	SCANBTSE.AMRFER_96	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_WB6600_Bin3	ACCUMULATION	INTEGER	The downlink frame erasure rate (FER) for AMR-WB with 6.6 kbit/s codec (for Bin3)	SCANBTSE.AMRFER_112	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_WB6600_Bin4	ACCUMULATION	INTEGER	The downlink frame erasure rate (FER) for AMR-WB with 6.6 kbit/s codec (for Bin4)	SCANBTSE.AMRFER_128	Sum	seclctbh , sectchbh, sectchfrbh, Sum

Total_DL_FERs_AMR_WB8850_Bin1	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-WB with 8.85 kbit/s codec (for Bin1).	SCANBTSE.AMRFER_79	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_WB8850_Bin2	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-WB with 8.85 kbit/s codec (for Bin2)	SCANBTSE.AMRFER_95	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_WB8850_Bin3	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-WB with 8.85 kbit/s codec (for Bin3).	SCANBTSE.AMRFER_111	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_FERs_AMR_WB8850_Bin4	ACCUMULATION	INTEGER	Number of downlink frame erasure rate (FER) occurrences for AMR-WB with 8.85 kbit/s codec (for Bin4).	SCANBTSE.AMRFER_127	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_WB12650_Bin1	ACCUMULATION	INTEGER	Number of uplink frame erasure rate	SCANBTSE.AMRFER_14	Sum	seclctbh , sectchbh,

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			(FER) occurrences for AMR-WB with 12.65 kbit/s codec (for Bin1)			sectchfrbh, Sum
Total_UL_FERs_AMR_WB12650_Bin2	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-WB with 12.65 kbit/s codec (for Bin2)	SCANBTSE.AMRFER_30	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_WB12650_Bin3	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-WB with 12.65 kbit/s codec (for Bin3)	SCANBTSE.AMRFER_46	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_WB12650_Bin4	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-WB with 12.65 kbit/s codec (for Bin4)	SCANBTSE.AMRFER_62	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_WB6600_Bin1	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-WB with 6.6 kbit/s codec (for Bin1)	SCANBTSE.AMRFER_16	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_UL_FER	ACCUMULATION	INTEGER	Number of	SCANBTSE.AMRFER	Sum	seclctbh

Rs_AMR_W B6600_Bin2	TION	ER	uplink frame erasure rate (FER) occurrences for AMR-WB with 6.6 kbit/s codec (for Bin2)	R_32		, sectchbh, sectchfrb h, Sum
Total_UL_FE Rs_AMR_W B6600_Bin3	ACCUMULA TION	INTEG ER	Number of uplink frame erasure rate (FER) occurrences for AMR-WB with 6.6 kbit/s codec (for Bin3)	SCANBTSE.AMRFE R_48	Sum	seclctbh , sectchbh, sectchfrb h, Sum
Total_UL_FE Rs_AMR_W B6600_Bin4	ACCUMULA TION	INTEG ER	Number of uplink frame erasure rate (FER) occurrences for AMR-WB with 6.6 kbit/s codec (for Bin4)	SCANBTSE.AMRFE R_64	Sum	seclctbh , sectchbh, sectchfrb h, Sum
Total_UL_FE Rs_AMR_W B8850_Bin1	ACCUMULA TION	INTEG ER	Number of uplink frame erasure rate (FER) occurrences for AMR-WB with 8.85 kbit/ s codec (for Bin1)	SCANBTSE.AMRFE R_15	Sum	seclctbh , sectchbh, sectchfrb h, Sum
Total_UL_FE Rs_AMR_W B8850_Bin2	ACCUMULA TION	INTEG ER	Number of uplink frame erasure rate (FER)	SCANBTSE.AMRFE R_31	Sum	seclctbh , sectchbh, sectchfrb

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			occurrences for AMR-WB with 8.85 kbit/s codec (for Bin2)			h, Sum
Total_UL_FERs_AMR_WB8850_Bin3	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-WB with 8.85 kbit/s codec (for Bin3)	SCANBTSE.AMRFER_47	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_UL_FERs_AMR_WB8850_Bin4	ACCUMULATION	INTEGER	Number of uplink frame erasure rate (FER) occurrences for AMR-WB with 8.85 kbit/s codec (for Bin4)	SCANBTSE.AMRFER_63	Sum	seclctbh, sectchbh, sectchfrbh, Sum

7.5.37 Cell.Siemens.GSM.GPRS_Data_Downlink

Cell related Downlink Data GPRS measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
FAST_LINK_ADAPTATION_MCS_DOWN_TBF	ACCUMULATION	INT8	Fast link adaptation downwards (MCS jump) for an downlink TBF	SCANGPRS.LADAPTUD_9	Sum	seclcbh, seclctbh, sectchbh, Sum
FAST_LINK_ADAPTATION_MCS_UP_TBF	ACCUMULATION	INT8	Fast link adaptation upwards (MCS jump) for an downlink TBF	SCANGPRS.LADAPTUD_8	Sum	seclcbh, seclctbh, sectchbh, Sum
LINK_ADAPT	ACCUMULATION	INT8	Link adaptation	SCANGPRS.LADA	Sum	seclcbh,

ATION_DOW N_TBF	TION		downwards for downlink TBF	PTUD_7		seclctbh , sectchbh, Sum
LINK_ADAPT ATION_ESD_ DOWN_TBF	ACCUMULA TION	INT8	Link adaptation emergency switch downwards (ESD) for an downlink TBF	SCANGPRS.LADA PTUD_10	Sum	seclcbh, seclctbh , sectchbh, Sum
LINK_ADAPT ATION_UP_T BF	ACCUMULA TION	INT8	Link adaptation upwards for downlink TBF	SCANGPRS.LADA PTUD_6	Sum	seclcbh, seclctbh , sectchbh, Sum
RETRANSMIT TED_MEAN_ THRUPUT_CS 1	INTENSITY	FLO AT	Retransmitted mean user data throughput CS-1 downlink	SCANGPRS.REM UTHRF_14	Average	Average, Maximu m, Minimu m, seclcbh, seclctbh , sectchbh, Sum
RETRANSMIT TED_MEAN_ THRUPUT_CS 2	INTENSITY	FLO AT	Retransmitted mean user data throughput CS-2 downlink	SCANGPRS.REM UTHRF_15	Average	Average, Maximu m, Minimu m, seclcbh, seclctbh , sectchbh, Sum
RETRANSMIT TED_MEAN_ THRUPUT_CS 3	INTENSITY	FLO AT	Retransmitted mean user data throughput CS-3 downlink	SCANGPRS.REM UTHRF_16	Average	Average, Maximu m, Minimu

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						m, seclcbh, seclctbh , sectchbh, Sum
RETRANSMITTED_MEAN_THRUPUT_CS4	INTENSITY	FLOAT	Retransmitted mean user data throughput CS-4 downlink	SCANGPRS.REM UTHRF_17	Average	Average, Maximum, Minimum, seclcbh, seclctbh , sectchbh, Sum
RETRANSMITTED_MEAN_THRUPUT_MCS1	INTENSITY	FLOAT	Retransmitted mean user data throughput MCS-1 downlink	SCANGPRS.REM UTHRF_18	Average	Average, Maximum, Minimum, seclcbh, seclctbh , sectchbh, Sum
RETRANSMITTED_MEAN_THRUPUT_MCS2	INTENSITY	FLOAT	Retransmitted mean user data throughput MCS-2 downlink	SCANGPRS.REM UTHRF_19	Average	Average, Maximum, Minimum, seclcbh, seclctbh , sectchbh, Sum
RETRANSMITTED_MEAN_THRUPUT_MCS3	INTENSITY	FLOAT	Retransmitted mean user data throughput MCS-3 downlink	SCANGPRS.REM UTHRF_20	Average	Average, Maximum, Minimum, seclcbh, seclctbh

						, sectchbh, Sum
RETRANSMITTED_MEAN_THRUPUT_MCS4	INTENSITY	FLO AT	Retransmitted mean user data throughput MCS-4 downlink	SCANGPRS.REM UTHRF_21	Average	Average, Maximum, Minimum, sectlcbh, sectlctbh, sectchbh, Sum
RETRANSMITTED_MEAN_THRUPUT_MCS5	INTENSITY	FLO AT	Retransmitted mean user data throughput MCS-5 downlink	SCANGPRS.REM UTHRF_22	Average	Average, Maximum, Minimum, sectlcbh, sectlctbh, sectchbh, Sum
RETRANSMITTED_MEAN_THRUPUT_MCS6	INTENSITY	FLO AT	Retransmitted mean user data throughput MCS-6 downlink	SCANGPRS.REM UTHRF_23	Average	Average, Maximum, Minimum, sectlcbh, sectlctbh, sectchbh, Sum
RETRANSMITTED_MEAN_THRUPUT_MCS7	INTENSITY	FLO AT	Retransmitted mean user data throughput MCS-7 downlink	SCANGPRS.REM UTHRF_24	Average	Average, Maximum, Minimum, sectlcbh,

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						seclctbh , sectchbh, Sum
RETRANSMITTED_MEAN_THRUPUT_MCS8	INTENSITY	FLOAT	Retransmitted mean user data throughput MCS-8 downlink	SCANGPRS.REM UTHRF_25	Average	Average, Maximum, Minimum, seclcbh, seclctbh , sectchbh, Sum
RETRANSMITTED_MEAN_THRUPUT_MCS9	INTENSITY	FLOAT	Retransmitted mean user data throughput MCS-9 downlink	SCANGPRS.REM UTHRF_26	Average	Average, Maximum, Minimum, seclcbh, seclctbh , sectchbh, Sum
SERVICE_DOWNGRADE_TBF	ACCUMULATION	INT8	Service downgrade for downlink TBF	SCANGPRS.SERV UGDG_4	Sum	seclcbh, seclctbh , sectchbh, Sum
SERVICE_UPGRADE_TBF	ACCUMULATION	INT8	Service upgrade for downlink TBF	SCANGPRS.SERV UGDG_3	Sum	seclcbh, seclctbh , sectchbh, Sum
TRANSMITTED_LLC_PDU	ACCUMULATION	INT8	Replaced in BR8 with Cell.Siemens.GS M.LLC_PDU_s_on_Gb_interface kpi group. Transmitted LLC-PDUs downlink	SCANGPRS.NTRL LCFR_2	Sum	seclcbh, seclctbh , sectchbh, Sum

TRANSMITTED_PDU_CS1	ACCUMULATION	INT8	Transmitted PDUs CS-1 downlink	SCANGPRS.NTRA_PDU_14	Sum	seclcbh, seclctbh, sectchbh, Sum
TRANSMITTED_PDU_CS2	ACCUMULATION	INT8	Transmitted PDUs CS-2 downlink	SCANGPRS.NTRA_PDU_15	Sum	seclcbh, seclctbh, sectchbh, Sum
TRANSMITTED_PDU_CS3	ACCUMULATION	INT8	Transmitted PDUs CS-3 downlink	SCANGPRS.NTRA_PDU_16	Sum	seclcbh, seclctbh, sectchbh, Sum
TRANSMITTED_PDU_CS4	ACCUMULATION	INT8	Transmitted PDUs CS-4 downlink	SCANGPRS.NTRA_PDU_17	Sum	seclcbh, seclctbh, sectchbh, Sum
TRANSMITTED_PDU_MCS1	ACCUMULATION	INT8	Transmitted PDUs MCS-1 downlink	SCANGPRS.NTRA_PDU_18	Sum	seclcbh, seclctbh, sectchbh, Sum
TRANSMITTED_PDU_MCS2	ACCUMULATION	INT8	Transmitted PDUs MCS-2 downlink	SCANGPRS.NTRA_PDU_19	Sum	seclcbh, seclctbh, sectchbh, Sum
TRANSMITTED_PDU_MCS3	ACCUMULATION	INT8	Transmitted PDUs MCS-3 downlink	SCANGPRS.NTRA_PDU_20	Sum	seclcbh, seclctbh, sectchbh, Sum
TRANSMITTED_PDU_MCS4	ACCUMULATION	INT8	Transmitted PDUs MCS-4 downlink	SCANGPRS.NTRA_PDU_21	Sum	seclcbh, seclctbh

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						, sectchbh, Sum
TRANSMITTED_PDU_MCS5	ACCUMULATION	INT8	Transmitted PDUs MCS-5 downlink	SCANGPRS.NTRA_PDU_22	Sum	seclcbh, seclctbh , sectchbh, Sum
TRANSMITTED_PDU_MCS6	ACCUMULATION	INT8	Transmitted PDUs MCS-6 downlink	SCANGPRS.NTRA_PDU_23	Sum	seclcbh, seclctbh , sectchbh, Sum
TRANSMITTED_PDU_MCS7	ACCUMULATION	INT8	Transmitted PDUs MCS-7 downlink	SCANGPRS.NTRA_PDU_24	Sum	seclcbh, seclctbh , sectchbh, Sum
TRANSMITTED_PDU_MCS8	ACCUMULATION	INT8	Transmitted PDUs MCS-8 downlink	SCANGPRS.NTRA_PDU_25	Sum	seclcbh, seclctbh , sectchbh, Sum
TRANSMITTED_PDU_MCS9	ACCUMULATION	INT8	Transmitted PDUs MCS-9 downlink	SCANGPRS.NTRA_PDU_26	Sum	seclcbh, seclctbh , sectchbh, Sum

7.5.38 Cell.Siemens.GSM.GPRS_Data_Uplink

Cell related Uplink Data GPRS measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
FAST_LINK_ADAPTATION_MCS_DOWN_TBF	ACCUMULATION	INT8	Fast link adaptation downwards (MCS jump) for an uplink TBF	SCANGPRS.LADAPTUD_4	Sum	seclcbh, seclctbh , sectchbh, Sum

FAST_LINK_ADAPTATION_MCS_UP_TBF	ACCUMULATION	INT8	Fast link adaptation upwards (MCS jump) for an uplink TBF	SCANGPRS.LADAPTUD_3	Sum	seclcbh, seclctbh, sectchbh, Sum
LINK_ADAPTATION_DOWN_TBF	ACCUMULATION	INT8	Link adaptation downwards for uplink TBF	SCANGPRS.LADAPTUD_2	Sum	seclcbh, seclctbh, sectchbh, Sum
LINK_ADAPTATION_ESD_DOWN_TBF	ACCUMULATION	INT8	Link adaptation emergency switch downwards (ESD) for an uplink TBF	SCANGPRS.LADAPTUD_5	Sum	seclcbh, seclctbh, sectchbh, Sum
LINK_ADAPTATION_UP_TBF	ACCUMULATION	INT8	Link adaptation upwards for uplink TBF	SCANGPRS.LADAPTUD_1	Sum	seclcbh, seclctbh, sectchbh, Sum
RETRANSMITTED_MEAN_THRUPUT_CS_1	INTENSITY	FLOAT	Retransmitted mean user data throughput CS-1 uplink	SCANGPRS.REMUTHRF_1	Average	Average, Maximum, Minimum, seclcbh, seclctbh, sectchbh, Sum
RETRANSMITTED_MEAN_THRUPUT_CS_2	INTENSITY	FLOAT	Retransmitted mean user data throughput CS-2 uplink	SCANGPRS.REMUTHRF_2	Average	Average, Maximum, Minimum, seclcbh, seclctbh, sectchbh, Sum

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						sectchbh, Sum
RETRANSMIT TED_MEAN_ THRUPUT_CS 3	INTENSITY	FLO AT	Retransmitted mean user data throughput CS-3 uplink	SCANGPRS.REM UTHRF_3	Average	Average, Maximu m, Minimu m, seclcbh, seclctbh , sectchbh, Sum
RETRANSMIT TED_MEAN_ THRUPUT_CS 4	INTENSITY	FLO AT	Retransmitted mean user data throughput CS-4 uplink	SCANGPRS.REM UTHRF_4	Average	Average, Maximu m, Minimu m, seclcbh, seclctbh , sectchbh, Sum
RETRANSMIT TED_MEAN_ THRUPUT_M CS1	INTENSITY	FLO AT	Retransmitted mean user data throughput MCS-1 uplink	SCANGPRS.REM UTHRF_5	Average	Average, Maximu m, Minimu m, seclcbh, seclctbh , sectchbh, Sum
RETRANSMIT TED_MEAN_ THRUPUT_M CS2	INTENSITY	FLO AT	Retransmitted mean user data throughput MCS-2 uplink	SCANGPRS.REM UTHRF_6	Average	Average, Maximu m, Minimu m, seclcbh, seclctbh , sectchbh, Sum
RETRANSMIT	INTENSITY	FLO	Retransmitted	SCANGPRS.REM	Average	Average,

TED_MEAN_THRUPUT_MCS3		AT	mean user data throughput MCS-3 uplink	UTHRF_7		Maximum, Minimum, secrlecbh, secrletbh, sectchbh, Sum
RETRANSMITTED_MEAN_THRUPUT_MCS4	INTENSITY	FLO AT	Retransmitted mean user data throughput MCS-4 uplink	SCANGPRS.REM UTHRF_8	Average	Average, Maximum, Minimum, secrlecbh, secrletbh, sectchbh, Sum
RETRANSMITTED_MEAN_THRUPUT_MCS5	INTENSITY	FLO AT	Retransmitted mean user data throughput MCS-5 uplink	SCANGPRS.REM UTHRF_9	Average	Average, Maximum, Minimum, secrlecbh, secrletbh, sectchbh, Sum
RETRANSMITTED_MEAN_THRUPUT_MCS6	INTENSITY	FLO AT	Retransmitted mean user data throughput MCS-6 uplink	SCANGPRS.REM UTHRF_10	Average	Average, Maximum, Minimum, secrlecbh, secrletbh, sectchbh, Sum

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RETRANSMITTED_MEAN_THRUPUT_MCS7	INTENSITY	FLOAT	Retransmitted mean user data throughput MCS-7 uplink	SCANGPRS.REM UTHRF_11	Average	Average, Maximum, Minimum, secrlcbh, secrlctbh, sectchbh, Sum
RETRANSMITTED_MEAN_THRUPUT_MCS8	INTENSITY	FLOAT	Retransmitted mean user data throughput MCS-8 uplink	SCANGPRS.REM UTHRF_12	Average	Average, Maximum, Minimum, secrlcbh, secrlctbh, sectchbh, Sum
RETRANSMITTED_MEAN_THRUPUT_MCS9	INTENSITY	FLOAT	Retransmitted mean user data throughput MCS-9 uplink	SCANGPRS.REM UTHRF_13	Average	Average, Maximum, Minimum, secrlcbh, secrlctbh, sectchbh, Sum
SERVICE_DOWNGRADE_TBF	ACCUMULATION	INT8	Service downgrade for uplink TBF	SCANGPRS.SERV UGDG_2	Sum	secrlcbh, secrlctbh, sectchbh, Sum
SERVICE_UPGRADE_TBF	ACCUMULATION	INT8	Service upgrade for uplink TBF	SCANGPRS.SERV UGDG_1	Sum	secrlcbh, secrlctbh, sectchbh, Sum
TRANSMITTED_LLC_PDU	ACCUMULATION	INT8	Replaced in BR8 with Cell.Siemens.GS	SCANGPRS.NTRL LCFR_1	Sum	secrlcbh, secrlctbh, ,

			M.LLC_PDU_s_on _Gb_interface kpi group. Transmitted LLC- PDUs uplink			sectchbh, Sum
TRANSMITTE D_PDU_CS1	ACCUMULA TION	INT8	Transmitted PDUs CS-1 uplink	SCANGPRS.NTRA PDU_1	Sum	seclcbh, seclctbh , sectchbh, Sum
TRANSMITTE D_PDU_CS2	ACCUMULA TION	INT8	Transmitted PDUs CS-2 uplink	SCANGPRS.NTRA PDU_2	Sum	seclcbh, seclctbh , sectchbh, Sum
TRANSMITTE D_PDU_CS3	ACCUMULA TION	INT8	Transmitted PDUs CS-3 uplink	SCANGPRS.NTRA PDU_3	Sum	seclcbh, seclctbh , sectchbh, Sum
TRANSMITTE D_PDU_CS4	ACCUMULA TION	INT8	Transmitted PDUs CS-4 uplink	SCANGPRS.NTRA PDU_4	Sum	seclcbh, seclctbh , sectchbh, Sum
TRANSMITTE D_PDU_MCS1	ACCUMULA TION	INT8	Transmitted PDUs MCS-1 uplink	SCANGPRS.NTRA PDU_5	Sum	seclcbh, seclctbh , sectchbh, Sum
TRANSMITTE D_PDU_MCS2	ACCUMULA TION	INT8	Transmitted PDUs MCS-2 uplink	SCANGPRS.NTRA PDU_6	Sum	seclcbh, seclctbh , sectchbh, Sum
TRANSMITTE D_PDU_MCS3	ACCUMULA TION	INT8	Transmitted PDUs MCS-3 uplink	SCANGPRS.NTRA PDU_7	Sum	seclcbh, seclctbh

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						, sectchbh, Sum
TRANSMITTED_PDU_MCS4	ACCUMULATION	INT8	Transmitted PDUs MCS-4 uplink	SCANGPRS.NTRA_PDU_8	Sum	seclcbh, seclctbh , sectchbh, Sum
TRANSMITTED_PDU_MCS5	ACCUMULATION	INT8	Transmitted PDUs MCS-5 uplink	SCANGPRS.NTRA_PDU_9	Sum	seclcbh, seclctbh , sectchbh, Sum
TRANSMITTED_PDU_MCS6	ACCUMULATION	INT8	Transmitted PDUs MCS-6 uplink	SCANGPRS.NTRA_PDU_10	Sum	seclcbh, seclctbh , sectchbh, Sum
TRANSMITTED_PDU_MCS7	ACCUMULATION	INT8	Transmitted PDUs MCS-7 uplink	SCANGPRS.NTRA_PDU_11	Sum	seclcbh, seclctbh , sectchbh, Sum
TRANSMITTED_PDU_MCS8	ACCUMULATION	INT8	Transmitted PDUs MCS-8 uplink	SCANGPRS.NTRA_PDU_12	Sum	seclcbh, seclctbh , sectchbh, Sum
TRANSMITTED_PDU_MCS9	ACCUMULATION	INT8	Transmitted PDUs MCS-9 uplink	SCANGPRS.NTRA_PDU_13	Sum	seclcbh, seclctbh , sectchbh, Sum

7.5.39 Cell.Siemens.GSM.GPRS_Data

PDCH preemption due to circuit switched calls

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
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Service_Down grade_PDCH_ Preemption	ACCUMULA TION	INT8	PDCH preemption due to circuit switched calls	SCANGPRS.SERVUG DG_5	Sum	seccchbh , seclctbh , sectchbh, Sum
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7.5.40 Cell.Siemens.GSM.GPRS

Cell related GPRS measurements

KPI	Type	Data Type	Description	Derivation	Default Aggreg ator	Other Aggrega tors
ATTEMPT ED_INT_N ET_CELL_ RESELEC T	ACCUMULA TION	INT8	Obsolete in release BR8, replaced with ATCRORIG counters in Cell.Siemens.GSM.Atte mpted_cell_reselection kpi group. Attempted Internal Network Controlled Cell Reselection	SCANGPRS.ATCR ORIG_1	Sum	seclcbh, seclctbh , sectchbh, Sum
DISCARD ED_LLC_P DU	ACCUMULA TION	INT8	Obsolete in BR8 release, replaced with Cell.Siemens.GSM.Disc arded_LLC_PDU_s_ streaming, interactive, conversational and background kpi groups.	SCANGPRS.DISC LPDU_0	Sum	seclcbh, seclctbh , sectchbh, Sum
SUCC_INT _NET_CE LL_RESEL ECT	ACCUMULA TION	INT8	Obsolete in BR9.0, Successful Internal Network Controlled Cell Reselection	SCANGPRS.SUCR ORIG_0	Sum	seclcbh, seclctbh , sectchbh, Sum
UNSUCC_ INT_CELL_ RESELE	ACCUMULA TION	INT8	Replaced in BR8 with counters in Cell.Siemens.GSM.Uns	SCANGPRS.UNC RORIG_5	Sum	seclcbh, seclctbh ,

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CT_ANON_ACC			successful_cell_reselections kpi group. Unsuccessful Internal Cell Reselection anonymous access			sectchbh, Sum
UNSUCC_INT_CELL_RESELECTION_FORCED_STANDBY	ACCUMULATION	INT8	Replaced in BR8 with counters in Cell.Siemens.GSM.Unsuccessful_cell_reselections kpi group. Unsuccessful Internal Cell Reselection forced to standby state	SCANGPRS.UNCORRORIG_7	Sum	seclcbh, seclctbh, sectchbh, Sum
UNSUCC_INT_CELL_RESELECTION_FREQUENCY_NOT_IMPLEMENTED	ACCUMULATION	INT8	Replaced in BR8 with counters in Cell.Siemens.GSM.Unsuccessful_cell_reselections kpi group. Unsuccessful Internal Cell Reselection Frequency not implemented	SCANGPRS.UNCORRORIG_1	Sum	seclcbh, seclctbh, sectchbh, Sum
UNSUCC_INT_CELL_RESELECTION_IMMEDIATE_REJECTION_PACKET_ACCEPTANCE_REJECTION	ACCUMULATION	INT8	Replaced in BR8 with counters in Cell.Siemens.GSM.Unsuccessful_cell_reselections kpi group. Unsuccessful Internal Cell Reselection IMMEDIATE REJ / PKT ACCEPTANCE REJ	SCANGPRS.UNCORRORIG_3	Sum	seclcbh, seclctbh, sectchbh, Sum
UNSUCC_INT_CELL_RESELECTION_MS_GMM_STANDBY	ACCUMULATION	INT8	Replaced in BR8 with counters in Cell.Siemens.GSM.Unsuccessful_cell_reselections kpi group. Unsuccessful Internal Cell Reselection MS GMM standby state	SCANGPRS.UNCORRORIG_6	Sum	seclcbh, seclctbh, sectchbh, Sum
UNSUCC_INT_CELL_RESELECTION_NO_RETRY	ACCUMULATION	INT8	Replaced in BR8 with counters in Cell.Siemens.GSM.Unsuccessful_cell_reselections kpi group.	SCANGPRS.UNCORRORIG_2	Sum	seclcbh, seclctbh, sectchbh,

ESP			ons kpi group. Unsuccessful Internal Cell Reselection no response			Sum
UNSUCC_ INT_CELL_ RESELE CT_ONG_ CS_CONN	ACCUMULA TION	INT8	Replaced in BR8 with counters in Cell.Siemens.GSM.Uns uccessful_cell_reselecti ons kpi group. Unsuccessful Internal Cell Reselection ongoing CS connection	SCANGPRS.UNC RORIG_4	Sum	seclcbh, seclctbh , sectchbh, Sum

7.5.41 Cell.Siemens.GSM.GTTP_Throughput

GPRS TRANSPARENT TRANSPORT PROTOCOL (GTTP) messages for UL/DL

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Gtpp_Throughput_In_Dl	INTENSITY	FLOAT	GPRS TRANSPARENT TRANSPORT PROTOCOL (GTTP) throughput in DL	SCANGPRS.MGTTPTH_2	Average	Average, Maximum, Minimum, seccchbh, seclctbh, sectchbh, Sum
Gtpp_Throughput_In_Ul	INTENSITY	FLOAT	GPRS TRANSPARENT TRANSPORT PROTOCOL (GTTP) throughput in UL	SCANGPRS.MGTTPTH_1	Average	Average, Maximum, Minimum, seccchbh, seclctbh

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						, sectchbh, Sum
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7.5.42 Cell.Siemens.GSM.HSCSD_Connection_related

Cell Connection related HSCSD Measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
DOWNGRADE_DUE_TO_INTRA_BSC_HO	ACCUMULATION	INT8	Number of service downgrades due to intra BSC handover for HSCSD calls	SCANBTS.TNSUD HSC_7	Sum	seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
DOWNGRADE_DUE_TO_LACK_RESOURCE_MULTISLOTS	ACCUMULATION	INT8	Number of service downgrades due to lack of resources for multislot connections	SCANBTS.TNSUD HSC_8	Sum	seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
DOWNGRADE_DUE_TO_LACK_RESOURCE_NONTRANSPARENT_CALL	ACCUMULATION	INT8	Number of service downgrades due to lack of resources for HSCSD calls (for non-transparent HSCSD calls only, on first Normal Assignment or inter BSC Incoming handover)	SCANBTS.TNSUD HSC_3	Sum	seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum

DOWNGRADE_DUE_TO_QUALITY	ACCUMULATION	INT8	Number of service downgrades due to quality or level for HSCSD calls	SCANBTS.TNSUD HSC_2	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DOWNGRADE_DUE_TO_SUBSCRIBER_REQUEST	ACCUMULATION	INT8	Number of service downgrades due to subscriber request for HSCSD calls	SCANBTS.TNSUD HSC_5	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
HSCSD_CONNECTIONS_USING_FOUR_TCH_FULL	INTENSITY	INTEGER	Total Number of Multislot (HSCSD) Connections per Cell using 4 TCH/F	SCANBTS.TNMSC NCL_4	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
HSCSD_CONNECTIONS_USING_ONE_TCH_FULL	INTENSITY	INTEGER	Total Number of Multislot (HSCSD) Connections per Cell using 1 TCH/F	SCANBTS.TNMSC NCL_1	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrbh, Sum

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HSCSD_CONNECTIONS_USING_THREE_TCH_FULL	INTENSITY	INTEGER	Total Number of Multislot (HSCSD) Connections per Cell using 3 TCH/F	SCANBTS.TNMSCNCL_3	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
HSCSD_CONNECTIONS_USING_TWO_TCH_FULL	INTENSITY	INTEGER	Total Number of Multislot (HSCSD) Connections per Cell using 2 TCH/F	SCANBTS.TNMSCNCL_2	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
UPGRADE_DUE_TO_INTRA_BSC_HO	ACCUMULATION	INT8	Number of service upgrades due to intra BSC handover for HSCSD calls	SCANBTS.TNSUDHSC_6	Sum	seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
UPGRADE_DUE_TO_QUALITY	ACCUMULATION	INT8	Number of service upgrades due to quality or level for HSCSD calls	SCANBTS.TNSUDHSC_1	Sum	seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
UPGRADE_DUE_TO_SUBSCRIBER_REQUEST	ACCUMULATION	INT8	Number of service upgrades	SCANBTS.TNSUDHSC_4	Sum	seccchbh, secrlctbh

			due to subscriber request for HSCSD calls			, sectchbh, sectchfrbh, Sum
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7.5.43 Cell.Siemens.GSM.Immediate_Assignment

Cell related Immediate Assignment measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_Failed_call_setup	INTENSITY	FLOAT	Call_Setup_Failure_Rate	$100 * (1 - \frac{((\{Successful_immediate_assign\} * (\{Siemens.Assignment_SDCCH_and_TCH_Full_Rate.ATTEMPTED_ASS_ON_TCH\} + \{Siemens.Assignment_TCH_HalfRate.ATTEMPTED_ASS_ON_TCH\}) * \{Siemens.Assignment_SDCCH_and_TCH_Full_Rate.Successful_assignment\})}{((\{Attempts_immediate_assignment\} - \{Immediate_assign_no_MS_seiz\}) * (\{SUCCESSFUL_IMM_ASS_SDCCH_DUE_TO_ANSWER_PAGING\} + \{SUCCESSFUL_IMM_ASS_SDCCH_DUE_TO_EMERGEN$	Average	Average, Maximum, Minimum, sectchbh, Sum

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				CY_CALL}+ {SUCCESSFUL_IM M_ASS_SDCCH_D UE_TO_CALL_RE ESTABLISH} + {SUCCESSFUL_IM M_ASS_SDCCH_D UE_TO_ORIG_CAL L} + {SUCCESSFUL_IM M_ASS_TCH_FUL L_DUE_TO_ANSW ER_PAGING} + {SUCCESSFUL_IM M_ASS_TCH_FUL L_DUE_TO_EMER GENCY_CALL} + {SUCCESSFUL_IM M_ASS_TCH_FUL L_DUE_TO_CALL_ REESTABLISH} + {SUCCESSFUL_IM M_ASS_TCH_FUL L_DUE_TO_ORIG_ CALL} + {SUCCESSFUL_IM M_ASS_TCH_HAL F_DUE_TO_ANSW ER_PAGING} + {SUCCESSFUL_IM M_ASS_TCH_HAL F_DUE_TO_EMER GENCY_CALL} + {SUCCESSFUL_IM M_ASS_TCH_HAL F_DUE_TO_CALL_ REESTABLISH} + {SUCCESSFUL_IM M_ASS_TCH_HAL F_DUE_TO_ORIG_ CALL}- ({SUCCESSFUL_I MM_ASS_SDCCH_ DUE_TO_SMS_MT C} + {SUCCESSFUL_IM	
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				$\frac{M_ASS_TCH_FULL_DUE_TO_SMS_MTC}}{((\{Siemens.Assignment_SDCCH_and_TCH_Full_Rate.ATTEMPTED_ASS_ON_TCH\} + \{Siemens.Assignment_TCH_HalfRate.ATTEMPTED_ASS_ON_TCH\})))}$		
%_Failed_SSS_procedure	PERCENT AGE	FLO AT	SSS_Procedure_Failure_Rate_CS	$100 * \frac{((\{Siemens.Immediate_Assignment.Successful_immediate_assign\} * \{Successful_immediate_assign_CS\} - (\{Siemens.Assignment_SDCCH_and_TCH_Full_Rate.ATTEMPTED_ASS_ON_TCH\} + \{Siemens.Assignment_TCH_HalfRate.ATTEMPTED_ASS_ON_TCH\}))) - ((\{Siemens.SDCCH.SDCCH_drops\} * \{Siemens.Immediate_Assignment.Successful_immediate_assign_CS\}))) / (\{Successful_immediate_assign_CS\} * \{Siemens.Immediate_Assignment.Successful_immediate_assign\})}{((\{Siemens.Immediate_Assignment.Successful_immediate_assign\} * \{Successful_immediate_assign_CS\} - (\{Siemens.Assignment_SDCCH_and_TCH_Full_Rate.ATTEMPTED_ASS_ON_TCH\} + \{Siemens.Assignment_TCH_HalfRate.ATTEMPTED_ASS_ON_TCH\}))) - ((\{Siemens.SDCCH.SDCCH_drops\} * \{Siemens.Immediate_Assignment.Successful_immediate_assign_CS\})))}$	Average	Average, seccchbh, secrlctbh, sectchbh, sectchfrbh, sectchhrbh
%_Immed	PERCENT AGE	FLO AT	Immediate_Assignment_No_Seizure_Rate	$100 * (\{Immediate_assign_$	Average	Average,

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iate_assign_no_seizure				no_MS_seiz}))/ (({Immediate_assign_by_BSC_proc}- ({Immediate_assign_by_BSC_proc}*{AGCH_Loss_Ratio}))))		seccchb h, seclctb h, sectchb h, sectchfr bh, sectchhr bh
%_Immediate_assignment_Losses	PERCENT AGE	FLO AT	Immediate_Assignment_Loss_Rate	100 * (({Attempts_immediate_assignment} - {Immediate_assign_by_BSC_proc}))/ ({Attempts_immediate_assignment}))	Average	Average, seccchb h, seclctb h, sectchb h, sectchfr bh, sectchhr bh
%_Successful_call_setup_BSS	PERCENT AGE	FLO AT	Call_Setup_Success_Rate_BSS	100 * (((Successful_immediate_assign}- ({Successful_immediate_assign}*{Siemens.SDCCH.SDCCH_Drop_Ratio}))*({Siemens.Assignment_SDCCH_and_TCH_Full_Rate.SUCCESSFUL_ASS_ON_TCH} + {Siemens.Assignment_TCH_HalfRate.SUCCESSFUL_ASS_ON_TCH}+ {Siemens.InterCell_Handover.SUCCESSFUL_INTER_HO_DUE_TO_DIRECTED_RETRY}+ {Siemens.Inter_BSC_HO_success_KPIs.	Average	Average, sectchb h

				$\frac{\text{Successful_due_to_directed_retry} + \{\text{Siemens.Inter_system_handover_success_KPIs.Successful_due_to_directed_retry}\}}{((\{\text{Attempts_immediate_assignment}\} - \{\text{Immediate_assignment_no_MS_seiz}\}) * (\{\text{Siemens.Assignment_SDCCH_and_TCH_Full_Rate.ATTEMPTED_ASS_ON_TCH}\} + \{\text{Siemens.Assignment_TCH_HalfRate.ATTEMPTED_ASS_ON_TCH}\}))}$		
%_Successful_call_setup	INTENSITY	FLOAT	Call_Setup_Success_Rate	$100 * (\{\text{Successful_immediate_assign}\} * (\{\text{Siemens.Assignment_SDCCH_and_TCH_Full_Rate.ATTEMPTED_ASS_ON_TCH}\} + \{\text{Siemens.Assignment_TCH_HalfRate.ATTEMPTED_ASS_ON_TCH}\}) * (\{\text{Siemens.Assignment_SDCCH_and_TCH_Full_Rate.Successful_assignment}\}) / ((\{\text{Attempts_immediate_assignment}\} - \{\text{Immediate_assignment_no_MS_seiz}\}) * (\{\text{SUCCESSFUL_IMM_ASS_SDCCH_DUE}$	Average	Average, Maximum, Minimum, sectchb, Sum

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				_TO_ANSWER_PA GING} + {SUCCESSFUL_IM M_ASS_SDCCH_D UE_TO_EMERGEN CY_CALL}+ {SUCCESSFUL_IM M_ASS_SDCCH_D UE_TO_CALL_RE ESTABLISH} + {SUCCESSFUL_IM M_ASS_SDCCH_D UE_TO_ORIG_CAL L} + {SUCCESSFUL_IM M_ASS_TCH_FUL L_DUE_TO_ANSW ER_PAGING} + {SUCCESSFUL_IM M_ASS_TCH_FUL L_DUE_TO_EMER GENCY_CALL} + {SUCCESSFUL_IM M_ASS_TCH_FUL L_DUE_TO_CALL_ REESTABLISH} + {SUCCESSFUL_IM M_ASS_TCH_FUL L_DUE_TO_ORIG_ CALL} + {SUCCESSFUL_IM M_ASS_TCH_HAL F_DUE_TO_ANSW ER_PAGING} + {SUCCESSFUL_IM M_ASS_TCH_HAL F_DUE_TO_EMER GENCY_CALL} + {SUCCESSFUL_IM M_ASS_TCH_HAL F_DUE_TO_CALL_ REESTABLISH} + {SUCCESSFUL_IM M_ASS_TCH_HAL F_DUE_TO_ORIG_ CALL}-		
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				$\begin{aligned} & \{ \text{SUCCESSFUL_IMM_ASS_SDCCH_DUE_TO_SMS_MTC} \} + \\ & \{ \text{SUCCESSFUL_IMM_ASS_TCH_FULL_DUE_TO_SMS_MTC} \} * (\{ \text{Siemens.Assign_SDCCH_and_TCH_Full_Rate} \} * \{ \text{ATTEMPTED_ASS_ON_TCH} \} + \\ & \{ \text{Siemens.Assign_TCH_HalfRate} \} * \{ \text{ATTEMPTED_ASS_ON_TCH} \})) \end{aligned}$		
%_Successful_immediate_assign	PERCENT AGE	FLOAT	Immediate_Assignment_Success_Rate	$\begin{aligned} & 100 * \\ & (\{ \text{Successful_immediate_assign} \} / \\ & (\{ \text{Attempts_immediate_assignment} \} - \\ & (\{ \text{Immediate_assign_by_BSC_proc} \} - \\ & (\{ \text{AGCH_Loss_Ratio} \} * \\ & \{ \text{Immediate_assign_by_BSC_proc} \}) - \\ & \{ \text{Successful_immediate_assign} \}))) \end{aligned}$	Average	Average, seccchbh, seclctbh, sectchbh, sectchfrbh, sectchhrbh
%_Successful_SSS_proc_CS	PERCENT AGE	FLOAT	SSS_Proc_Succ_Rate_CS	$\begin{aligned} & 100 * \\ & (\{ \text{Siemens.Assign_SDCCH_and_TCH_Full_Rate} \} * \{ \text{ATTEMPTED_ASS_ON_TCH} \} + \\ & \{ \text{Siemens.Assign_TCH_HalfRate} \} * \{ \text{ATTEMPTED_ASS_ON_TCH} \}) / \\ & (\{ \text{SUCCESSFUL_IMM_ASS_SDCCH_DUE_TO_SMS_MTC} \} + \\ & \{ \text{SUCCESSFUL_IMM_ASS_TCH_FULL_DUE_TO_SMS_MTC} \}) \end{aligned}$	Average	Average, seccchbh, seclctbh, sectchbh, sectchfrbh, sectchhrbh

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				MM_ASS_SDCCH_DUE_TO_ANSWER_PAGING} + {SUCCESSFUL_IM_M_ASS_SDCCH_DUE_TO_EMERGENCY_CALL}+ {SUCCESSFUL_IM_M_ASS_SDCCH_DUE_TO_CALL_REESTABLISH} + {SUCCESSFUL_IM_M_ASS_SDCCH_DUE_TO_ORIG_CALL} + {SUCCESSFUL_IM_M_ASS_TCH_FULL_DUE_TO_ANSWER_PAGING} + {SUCCESSFUL_IM_M_ASS_TCH_FULL_DUE_TO_EMERGENCY_CALL} + {SUCCESSFUL_IM_M_ASS_TCH_FULL_DUE_TO_CALL_REESTABLISH} + {SUCCESSFUL_IM_M_ASS_TCH_FULL_DUE_TO_ORIG_CALL} + {SUCCESSFUL_IM_M_ASS_TCH_HALF_DUE_TO_ANSWER_PAGING} + {SUCCESSFUL_IM_M_ASS_TCH_HALF_DUE_TO_EMERGENCY_CALL} + {SUCCESSFUL_IM_M_ASS_TCH_HALF_DUE_TO_CALL_REESTABLISH} + {SUCCESSFUL_IM_M_ASS_TCH_HALF_DUE_TO_ORIG_	bh
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				CALL}- ({SUCCESSFUL_I MM_ASS_SDCCH_ DUE_TO_SMS_MT C} + {SUCCESSFUL_IM M_ASS_TCH_FUL L_DUE_TO_SMS_ MTC}))		
AGCH_L oss_Ratio	INTENSIT Y	FLO AT	Ratio of the AGCH Loss (Recalculate from CCCH Group)	if(SCANBTS.TACC BPRO_2 = 0) then 0 else((TACCBPRO_2 - NACSUCPR_2)/TA CCBPRO_2)	Averag e	Averag e, Maxim um, Minimu m, seccchb h, seclctb h, sectchb h, sectchfr bh, sectchhr bh, Sum
ATTEMP TED_IM M_ASS_ PROC_D UE_TO_ ANSWE R_PAGI NG	ACCUMUL ATION	INT8	Attempted Immediate Assignment Procedure - Answer to paging SDDCH	SCANBTS.ATIMAS CA_1	Sum	seccchb h, seclctb h, sectchb h, sectchfr bh, sectchhr bh, Sum
ATTEMP TED_IM M_ASS_ PROC_D UE_TO_ ANSWE R_PAGI NG	ACCUMUL ATION	INT8	Attempted Immediate Assignment Procedure - Call Reestablishment SDDCH	SCANBTS.ATIMAS CA_3	Sum	seccchb h, seclctb h, sectchb h, sectchfr bh, sectchhr bh, Sum

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CALL_REESTABLISH						h, sectchfr bh, sectchhr bh, Sum
ATTEMPTED_IMMEDIATE_ASSIGNMENT_PROCEDURE_TO_EMERGENCY_CALL	ACCUMULATION	INT8	Attempted Immediate Assignment Procedure - Emergency call SDDCH	SCANBTS.ATIMAS CA_2	Sum	seccchb h, seclctb h, sectchb h, sectchfr bh, sectchhr bh, Sum
ATTEMPTED_IMMEDIATE_ASSIGNMENT_PROCEDURE_TO_LOCATION_UPDATE	ACCUMULATION	INT8	Attempted Immediate Assignment Procedure - Location update SDDCH	SCANBTS.ATIMAS CA_5	Sum	seccchb h, seclctb h, sectchb h, sectchfr bh, sectchhr bh, Sum
ATTEMPTED_IMMEDIATE_ASSIGNMENT_PROCEDURE_TO_OTHER_PROCEDURES	ACCUMULATION	INT8	Attempted Immediate Assignment Procedure - Other procedures (IMSI detach, SMS, SS, etc.) SDDCH	SCANBTS.ATIMAS CA_6	Sum	seccchb h, seclctb h, sectchb h, sectchfr bh, sectchhr bh, Sum
ATTEMPTED_IMMEDIATE_ASSIGNMENT_PROCEDURE_TO_OTHER_SERVICES	ACCUMULATION	INT8	Attempted Immediate Assignment Procedure - Other services (Originating Call) SDDCH	SCANBTS.ATIMAS CA_4	Sum	seccchb h, seclctb h, sectchb h, sectchfr bh,

						sectchhr bh, Sum
ATTEMPTED_IMMEDIATE_ASSIGNMENT_PROCEDURE_TCH_FULL_DUE_TO_ANSWER_PAGING	ACCUMULATION	INT8	Attempted Immediate Assignments Procedure TCH/FULL - Answer to paging	SCANBTS.ATIMASCA_7	Sum	seccchbh, seclctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
ATTEMPTED_IMMEDIATE_ASSIGNMENT_PROCEDURE_TCH_FULL_DUE_TO_CALL_REESTABLISH	ACCUMULATION	INT8	Attempted Immediate Assignments Procedure - TCH/FULL - Call Reestablishment	SCANBTS.ATIMASCA_9	Sum	seccchbh, seclctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
ATTEMPTED_IMMEDIATE_ASSIGNMENT_PROCEDURE_TCH_FULL_DUE_TO_EMERGENCY_CALL	ACCUMULATION	INT8	Attempted Immediate Assignments Procedure TCH/FULL - Emergency call	SCANBTS.ATIMASCA_8	Sum	seccchbh, seclctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
ATTEMPTED_IMMEDIATE_ASSIGNMENT_PROCEDURE_TCH_FULL_DUE_TO_ORIGINATION	ACCUMULATION	INT8	Attempted Immediate Assignments Procedure - TCH/FULL - Originating call	SCANBTS.ATIMASCA_10	Sum	seccchbh, seclctbh, sectchbh, sectchfrbh, Sum

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G_CALL						bh, sectchhr bh, Sum
ATTEMPTED_IMMEDIATE_ASSIGNMENT_TCH_HALF_DUE_TO_ANSWER_PAGING	ACCUMULATION	INT8	Attempted Immediate Assignments Procedure TCH/HALF - Answer to paging	SCANBTS.ATIMAS CA_11	Sum	seccchb h, seclctb h, sectchb h, sectchfr bh, sectchhr bh, Sum
ATTEMPTED_IMMEDIATE_ASSIGNMENT_TCH_HALF_DUE_TO_CALL_REESTABLISH	ACCUMULATION	INT8	Attempted Immediate Assignments Procedure - TCH/HALF - Call Reestablishment	SCANBTS.ATIMAS CA_13	Sum	seccchb h, seclctb h, sectchb h, sectchfr bh, sectchhr bh, Sum
ATTEMPTED_IMMEDIATE_ASSIGNMENT_TCH_HALF_DUE_TO_EMERGENCY_CALL	ACCUMULATION	INT8	Attempted Immediate Assignments Procedure TCH/HALF - Emergency call	SCANBTS.ATIMAS CA_12	Sum	seccchb h, seclctb h, sectchb h, sectchfr bh, sectchhr bh, Sum
ATTEMPTED_IMMEDIATE_ASSIGNMENT_TCH_HALF_DUE_TO_OTHER_SERVICES	ACCUMULATION	INT8	Attempted Immediate Assignments Procedure - TCH/HALF - Other services (Originating Call)	SCANBTS.ATIMAS CA_14	Sum	seccchb h, seclctb h, sectchb h, sectchfr bh, sectchhr bh, Sum

Attempts_ CS	INTENSIT Y	FLO AT	CS_Attempts	thresholddiv(({Siemens.Immediate_Assignment.Successful_immediate_assign_CS} *({Siemens.Assignm ent_SDCCH_and_T CH_Full_Rate.ATTE MPTED_ASS_ON_ TCH}+ {Siemens.Assignmen t_TCH_HalfRate.AT TEMPTED_ASS_O N_TCH})), ({Siemens.Assignme nt_SDCCH_and_TC H_Full_Rate.SUCCE SSFUL_ASS_ON_T CH}+ {Siemens.Assignmen t_TCH_HalfRate.SU CCESSFUL_ASS_O N_TCH}+ {Siemens.InterCell Handover.SUCCESS FUL_INTER_HO_D UE_TO_DIRECTED _RETRY}+ {Siemens.Inter_BSC _HO_success_KPIs. Successful_due_to_d irected_retry}+ {Siemens.Inter_syste m_handover_success _KPIs.Successful_du e_to_directed_retry} ,0,0)	Averag e	Averag e, Maxim um, Minimu m, sectchb h, Sum
Attempts_ immediat e_assign ment	ACCUMUL ATION	INTE GER	Immediate_Assignment_ Attempts	SCANBTS.ATIMAS CA_1 + ATIMASCA_2 + ATIMASCA_3 + ATIMASCA_4 +	Sum	seccchb h, seclctb h, sectchb

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				ATIMASCA_5 + ATIMASCA_6 + ATIMASCA_7 + ATIMASCA_8 + ATIMASCA_9 + ATIMASCA_10 + ATIMASCA_11 + ATIMASCA_12 + ATIMASCA_13 + ATIMASCA_14		h, sectchfrbh, sectchhrbh, Sum
Immediate_assign_by_BSC_proc	ACCUMULATION	INTEGER	Immediate_Assignments_By_BSC_Proc	SCANBTS.SUIMASCA_1 + SUIMASCA_2 + SUIMASCA_3 + SUIMASCA_4 + SUIMASCA_5 + SUIMASCA_6	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, sectchhrbh, Sum
Immediate_assign_no_MS_seiz	INTENSITY	FLOAT	Immediate_Assignments_Without_MS_Seizure	{Immediate_assign_by_BSC_proc} - ({AGCH_Loss_Ratio} * {Immediate_assign_by_BSC_proc}) - {Successful_immediate_assign}	Average	Average, Maximum, Minimum, seccchbh, secrletbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SDCCH_drops_CS	INTENSITY	FLOAT	SDCCH_Drop_CS(direct load for %_Failed_SSS_Procedure formula)::where::({Cell.Siemens.GSM.SDCCH.SDCCH_drops} * {Cell.Siemens.GSM.Immediate_Assignment.Success	if(SCANBTS.NSUCCHPC_1 + NSUCCHPC_2 + NSUCCHPC_3 + NSUCCHPC_4 + NSUCCHPC_5 + NSUCCHPC_6 + NSUCCHPC_9 +	Average	Average, Maximum, Minimum, seccchbh,

			sful_immediate_assign_C S})/ {Cell.Siemens.GSM.Imm ediate_Assignment.Succes sful_immediate_assign}	NSUCCHPC_10 + NSUCCHPC_11 + NSUCCHPC_12 + NSUCCHPC_13 + NSUCCHPC_14 + NSUCCHPC_17 + NSUCCHPC_18 + NSUCCHPC_19 + NSUCCHPC_20 + NSUCCHPC_21 + NSUCCHPC_22) = 0 then 0 else(((NRCLRREQ_ 19 + NRCLRREQ_20 + NRCLRREQ_21 + NRCLRREQ_23 + NRCLRREQ_24 + NRCLRREQ_25 + NRCLRREQ_26 + TASSFAIL_1 + TASSFAIL_6 + TASSFAIL_11)*(NS UCCHPC_1 + NSUCCHPC_2 + NSUCCHPC_3 + NSUCCHPC_4 + NSUCCHPC_9 + NSUCCHPC_10 + NSUCCHPC_11 + NSUCCHPC_12 + NSUCCHPC_17 + NSUCCHPC_18 + NSUCCHPC_19 + NSUCCHPC_20 - (NSUCCHPC_8)))/ (NSUCCHPC_1 + NSUCCHPC_2 + NSUCCHPC_3 + NSUCCHPC_4 + NSUCCHPC_5 +		secrletb h, sectchb h, sectchfr bh, sectchhr bh, Sum
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				NSUCCHPC_6 + NSUCCHPC_9 + NSUCCHPC_10 + NSUCCHPC_11 + NSUCCHPC_12 + NSUCCHPC_13 + NSUCCHPC_14 + NSUCCHPC_17 + NSUCCHPC_18 + NSUCCHPC_19 + NSUCCHPC_20 + NSUCCHPC_21 + NSUCCHPC_22))		
SUCCESSFUL_IMMEDIATE_ANSWER_PAGING	ACCUMULATION	INT8	Successful Immediate Assignment Procedure - Answer to paging	SCANBTS.SUIMASCA_1	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_IMMEDIATE_CALL_REESTABLISH	ACCUMULATION	INT8	Successful Immediate Assignment Procedure - Call Reestablishment	SCANBTS.SUIMASCA_3	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_IMMEDIATE_EMERGENCY_CALL	ACCUMULATION	INT8	Successful Immediate Assignment Procedure - Emergency call	SCANBTS.SUIMASCA_2	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, sectchhrbh, Sum

SUCCESSFUL_IMMEDIATE_ASSIGNMENT_UPDATE	ACCUMULATION	INT8	Successful Immediate Assignment Procedure - Location update	SCANBTS.SUIMASCA_5	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_IMMEDIATE_ASSIGNMENT_ORIG_CALL	ACCUMULATION	INT8	Successful Immediate Assignment Procedure - Originating Call	SCANBTS.SUIMASCA_4	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_IMMEDIATE_ASSIGNMENT_OTHER_PROCESSES	ACCUMULATION	INT8	Successful Immediate Assignment Procedure - Other procedures (IMSI detach, SMS, SS, etc.)	SCANBTS.SUIMASCA_6	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_IMMEDIATE_ASSIGNMENT_SDCCH_ANSWER_PAGING	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling Channels SDCCH - Answer to paging	SCANBTS.NSUCCHPC_1	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, sectchhrbh, Sum

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SUCCESSFUL_IMMEDIATE_ASSIGNMENTS_DUE_TO_CALL_REESTABLISH	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling Channels - SDCCH - Call Reestablishment	SCANBTS.NSUCC_HPC_3	Sum	seccchbh, secrlctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_IMMEDIATE_ASSIGNMENTS_DUE_TO_EMERGENCY_CALL	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling Channels SDCCH - Emergency call	SCANBTS.NSUCC_HPC_2	Sum	seccchbh, secrlctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_IMMEDIATE_ASSIGNMENTS_DUE_TO_LOCATION_UPDATE	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling Channels - SDCCH - Location update	SCANBTS.NSUCC_HPC_5	Sum	seccchbh, secrlctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_IMMEDIATE_ASSIGNMENTS_DUE_TO_ORIG_CALL	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling Channels - SDCCH - Originating Call	SCANBTS.NSUCC_HPC_4	Sum	seccchbh, secrlctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_IMMEDIATE_ASSIGNMENTS	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling Channels - SDCCH -	SCANBTS.NSUCC_HPC_6	Sum	seccchbh, secrlctbh

SDCCH_DUE_TO_OTHER_PROCE DURES			Other procedures			h, sectchb h, sectchfr bh, sectchhr bh, Sum
SUCCESSFUL_IMMEDIATE_ASSIGNMENTS_DUE_TO_SMS_MOC	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling Channels SDCCH - SMS MOCs	SCANBTS.NSUCC HPC_7	Sum	seccchb h, seclctb h, sectchb h, sectchfr bh, sectchhr bh, Sum
SUCCESSFUL_IMMEDIATE_ASSIGNMENTS_DUE_TO_SMS_MTC	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling Channels SDCCH - SMS MTCs	SCANBTS.NSUCC HPC_8	Sum	seccchb h, seclctb h, sectchb h, sectchfr bh, sectchhr bh, Sum
SUCCESSFUL_IMMEDIATE_ASSIGNMENTS_DUE_TO_ANSWER_PAGING	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling Channels TCH/FULL - Answer to paging	SCANBTS.NSUCC HPC_9	Sum	seccchb h, seclctb h, sectchb h, sectchfr bh, sectchhr bh, Sum
SUCCESSFUL_IMMEDIATE_ASSIGNMENTS	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling	SCANBTS.NSUCC HPC_11	Sum	seccchb h,

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M_ASS_TCH_FULL_DUE_TO_CALL_REESTABLISH			Channels - TCH/FULL - Call Reestablishment			seclctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_IMMEDIATE_ASS_TCH_FULL_DUE_TO_EMERGENCY_CALL	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling Channels TCH/FULL - Emergency call	SCANBTS.NSUCC_HPC_10	Sum	seccchbh, seclctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_IMMEDIATE_ASS_TCH_FULL_DUE_TO_LOCATION_UPDATE	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling Channels - TCH/FULL - Location update	SCANBTS.NSUCC_HPC_13	Sum	seccchbh, seclctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_IMMEDIATE_ASS_TCH_FULL_DUE_TO_ORIGINAL_CALL	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling Channels - TCH/FULL - Originating Call	SCANBTS.NSUCC_HPC_12	Sum	seccchbh, seclctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_IMMEDIATE_ASS_TCH_FULL_DUE	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling Channels - TCH/FULL - Other procedures	SCANBTS.NSUCC_HPC_14	Sum	seccchbh, seclctbh, sectchbh

_TO_OT HER_PR OCEDUR ES						h, sectchfr bh, sectchhr bh, Sum
SUCCESSFUL_IMMEDIATE_ASSIGNMENTS_TCH_FULL_DUE_TO_SMS_MOC	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling Channels TCH/Full - SMS MOCs	SCANBTS.NSUCC_HPC_15	Sum	seccchbh, seclctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_IMMEDIATE_ASSIGNMENTS_TCH_FULL_DUE_TO_SMS_MTC	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling Channels TCH/Full - SMS MTCs	SCANBTS.NSUCC_HPC_16	Sum	seccchbh, seclctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_IMMEDIATE_ASSIGNMENTS_TCH_HALF_DUE_TO_ANSWER_PAGING	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling Channels TCH/HALF - Answer to paging	SCANBTS.NSUCC_HPC_17	Sum	seccchbh, seclctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_IMMEDIATE_ASSIGNMENTS_TCH_HALF	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling Channels - TCH/HALF - Call Reestablishment	SCANBTS.NSUCC_HPC_19	Sum	seccchbh, seclctbh, h,

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LF_DUE TO_CALL_REESTABLISH						sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_IMMEDIATE_ASSIGNMENT_TCH_HALF_DUE_TO_EMERGENCY_CALL	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling Channels TCH/HALF - Emergency call	SCANBTS.NSUCC_HPC_18	Sum	seccchbh, seclctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_IMMEDIATE_ASSIGNMENT_TCH_HALF_DUE_TO_LOCATION_UPDATE	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling Channels - TCH/HALF - Location update	SCANBTS.NSUCC_HPC_21	Sum	seccchbh, seclctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_IMMEDIATE_ASSIGNMENT_TCH_HALF_DUE_TO_ORIG_CALL	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling Channels - TCH/HALF - Originating Call	SCANBTS.NSUCC_HPC_20	Sum	seccchbh, seclctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_IMMEDIATE_ASSIGNMENT_TCH_HALF_DUE_TO_OTHER_PROCEDURES	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling Channels - TCH/HALF - Other procedures	SCANBTS.NSUCC_HPC_22	Sum	seccchbh, seclctbh, sectchbh, sectchfr

OCEDUR ES						bh, sectchhr bh, Sum
SUCCESSFUL_IMMEDIATE_ASSIGNMENT_CHANNELS_HALF_DUES_MOC	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling Channels TCH/Half - SMS MOCs	SCANBTS.NSUCC_HPC_23	Sum	seccchbh, seclctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_IMMEDIATE_ASSIGNMENT_CHANNELS_HALF_DUES_MTC	ACCUMULATION	INT8	Successful Immediate Assignments of Signalling Channels TCH/Half - SMS MTCs	SCANBTS.NSUCC_HPC_24	Sum	seccchbh, seclctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
Successful_immediate_assignment_CS	ACCUMULATION	INTEGER	Immediate_Assignment_Success_CS	SCANBTS.NSUCC_HPC_1 + NSUCCHPC_2 + NSUCCHPC_3 + NSUCCHPC_4 + NSUCCHPC_9 + NSUCCHPC_10 + NSUCCHPC_11 + NSUCCHPC_12 + NSUCCHPC_17 + NSUCCHPC_18 + NSUCCHPC_19 + NSUCCHPC_20 - (NSUCCHPC_8)	Sum	seccchbh, seclctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
Successful_immedi	ACCUMULATION	INTEGER	Immediate_Assignment_Successful	SCANBTS.NSUCC_HPC_1 +	Sum	seccchbh,

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ate_assign				NSUCCHPC_2 + NSUCCHPC_3 + NSUCCHPC_4 + NSUCCHPC_5 + NSUCCHPC_6 + NSUCCHPC_9 + NSUCCHPC_10 + NSUCCHPC_11 + NSUCCHPC_12 + NSUCCHPC_13 + NSUCCHPC_14 + NSUCCHPC_17 + NSUCCHPC_18 + NSUCCHPC_19 + NSUCCHPC_20 + NSUCCHPC_21 + NSUCCHPC_22		seclctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
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7.5.44 Cell.Siemens.GSM.Inter_BSC_HO_attempts_KPIs

Inter BSC handover attempts KPIs

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Attempts_HO_due_to_better_cell	ACCUMULATION	INTEGER	Attempted Inter Cell Inter BSC HO Due To Better_Cell	SCANBTSOHON_AGGREGATE.ATINBHD_O_6	Sum	seccchbh , sectchbh, Sum
Attempts_HO_due_to_directed_retry	ACCUMULATION	INTEGER	Attempted Inter Cell Inter BSC HO Due To Directed_Retry	SCANBTSOHON_AGGREGATE.ATINBHD_O_7	Sum	seccchbh , sectchbh, Sum
Attempts_HO_due_to_distance	ACCUMULATION	INTEGER	Attempted Inter Cell Inter BSC HO Due To Distance	SCANBTSOHON_AGGREGATE.ATINBHD_O_5	Sum	seccchbh , sectchbh, Sum
Attempts_HO_due_to_D	ACCUMULATION	INTEGER	Attempted Inter Cell	SCANBTSOHON_AGGREGATE.ATINBHD	Sum	seccchbh ,

L_quality			Inter BSC HO Due To DL_Quality	O_2		sectchbh, Sum
Attempts_H O_due_to_D L_strength	ACCUMULA TION	INTEG ER	Attempted Inter Cell Inter BSC HO Due To DL_Strength	SCANBTSOHON_AG GREGATE.ATINBHD O_4	Sum	seccchbh , sectchbh, Sum
Attempts_H O_due_to_D TM	ACCUMULA TION	INTEG ER	Attempted Inter Cell Inter BSC HO - DTM	SCANBTSOHON_AG GREGATE.ATINBHD O_11	Sum	seccchbh , sectchbh, Sum
Attempts_H O_due_to_fa st_UL	ACCUMULA TION	INTEG ER	Attempted Inter Cell Inter BSC HO Due To Fast_UL	SCANBTSOHON_AG GREGATE.ATINBHD O_9	Sum	seccchbh , sectchbh, Sum
Attempts_H O_due_to_fo rced_OM	ACCUMULA TION	INTEG ER	Attempted Inter Cell Inter BSC HO Due To Forced_OM	SCANBTSOHON_AG GREGATE.ATINBHD O_8	Sum	seccchbh , sectchbh, Sum
Attempts_H O_due_to_fo rced_preempt ion	ACCUMULA TION	INTEG ER	Attempted Inter Cell Inter BSC HO Due To Forced_Pree mption	SCANBTSOHON_AG GREGATE.ATINBHD O_10	Sum	seccchbh , sectchbh, Sum
Attempts_H O_due_to_U L_quality	ACCUMULA TION	INTEG ER	Attempted Inter Cell Inter BSC HO Due To UL_Quality	SCANBTSOHON_AG GREGATE.ATINBHD O_1	Sum	seccchbh , sectchbh, Sum
Attempts_H O_due_to_U L_strength	ACCUMULA TION	INTEG ER	Attempted Inter Cell Inter BSC HO Due To	SCANBTSOHON_AG GREGATE.ATINBHD O_3	Sum	seccchbh , sectchbh, Sum

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		UL_Strength		
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7.5.45 Cell.Siemens.GSM.Inter_BSC_HO_dist_KPIs

Inter BSC handover dist KPI's

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_Dist_due_to_better_cell	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Dist_Better_Cell	$100 * \frac{(\text{Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_better_cell})}{(\text{Siemens.Inter_BSC_HO_dist_KPIs.Inter_Cell_inter_BSC_HO_dist_denom})}$	Average	Average, sectchbh
%_Dist_due_to_directed_retry	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Dist_Directed_Retry	$100 * \frac{(\text{Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_directed_retry})}{(\text{Siemens.Inter_BSC_HO_dist_KPIs.Inter_Cell_inter_BSC_HO_dist_denom})}$	Average	Average, sectchbh
%_Dist_due_to_distance	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Dist_Distance	$100 * \frac{(\text{Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_distance})}{(\text{Siemens.Inter_BSC_HO_dist_KPIs.Inter_Cell_inter_BSC_HO_dist_denom})}$	Average	Average, sectchbh
%_Dist_due_to_DL_quality	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Dist_DL_Quality	$100 * \frac{(\text{Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_DL_quality})}{(\text{Siemens.Inter_BSC_HO_dist_KPIs.Inter_Cell_inter_BSC_HO_dist_denom})}$	Average	Average, sectchbh

				ll_inter_BSC_HO_dist_denom})		
%_Dist_due_to_DL_strength	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Dist_DL_Strength	100 * ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_DL_strength})/ ({Inter_Cell_inter_BSC_HO_dist_denom})	Average	Average, sectchbh
%_Dist_due_to_DTM	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Dist_DTM	100 * ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_DTM})/ ({Siemens.Inter_BSC_HO_dist_KPIs.Inter_Cell_inter_BSC_HO_dist_denom})	Average	Average, sectchbh
%_Dist_due_to_fast_UL	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Dist_Fast_UL	100 * ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_fast_UL})/ ({Siemens.Inter_BSC_HO_dist_KPIs.Inter_Cell_inter_BSC_HO_dist_denom})	Average	Average, sectchbh
%_Dist_due_to_forced_OM	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Dist_Forced_OM	100 * ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_forced_OM})/ ({Siemens.Inter_BSC_HO_dist_KPIs.Inter_Cell_inter_BSC_HO_dist_denom})	Average	Average, sectchbh
%_Dist_due_to_	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO	100 * ({Siemens.Inter_BSC_	Average	Average, sectchbh

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to_forced_preemption			Dist_Forced_Preemption	HO_attempts_KPIs.Attempts_HO_due_to_forced_preemption})/ ({Siemens.Inter_BSC_HO_dist_KPIs.Inter_Cell_inter_BSC_HO_dist_denom})		
%_Dist_due_to_UL_quality	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Dist_UL_Quality	100 * ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_UL_quality})/ ({Siemens.Inter_BSC_HO_dist_KPIs.Inter_Cell_inter_BSC_HO_dist_denom})	Average	Average, sectchbh
%_Dist_due_to_UL_strength	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Dist_UL_Strength	100 * ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_UL_strength})/ ({Siemens.Inter_BSC_HO_dist_KPIs.Inter_Cell_inter_BSC_HO_dist_denom})	Average	Average, sectchbh
Inter_Cell_inter_BSC_HO_dist_denom	ACCUMULATION	INTEGER	Inter Cell Inter BSC HO Dist denom	SCANBTSOHON_AGGREGATE.ATINBHDO_1 + ATINBHDO_2 + ATINBHDO_3 + ATINBHDO_4 + ATINBHDO_5 + ATINBHDO_6 + ATINBHDO_7 + ATINBHDO_8 + ATINBHDO_9 + ATINBHDO_10 + ATINBHDO_11	Sum	sectchbh, Sum

7.5.46 Cell.Siemens.GSM.Inter_BSC_HO_drop_KPIs

Inter BSC handover drop KPI's

KPI	Type	Data Type	Description	Derivation	Default Aggregat	Other Aggrega
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					or	tors
%_Drop_due_to_better_cell	PERCENT AGE	FLOA T	Inter Cell Inter BSC HO Drop Rate Better_Cell	$100 * \frac{(\{\text{Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_better_cell}\} - \{\text{Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_better_cell}\} - \{\text{Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_better_cell}\})}{(\{\text{Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_better_cell}\})}$	Average	Average, sectchbh
%_Drop_due_to_directed_retry	PERCENT AGE	FLOA T	Inter Cell Inter BSC HO Drop Rate Directed_Retry	$100 * \frac{(\{\text{Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_directed_retry}\} - \{\text{Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_directed_retry}\} - \{\text{Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_directed_retry}\})}{(\{\text{Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_directed_retry}\})}$	Average	Average, sectchbh
%_Drop_due_to_distance	PERCENT AGE	FLOA T	Inter Cell Inter BSC HO Drop Rate Distance	$100 * (\{\text{Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_distance}\} -$	Average	Average, sectchbh

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				$\frac{\{Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_distance\} - \{Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_distance\}}{\{Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_distance\}}$		
%_Drop_due_to_DL_quality	PERCENT AGE	FLOAT	Inter Cell Inter BSC HO Drop Rate DL_Quality	$100 * \frac{\{Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_DL_quality\} - \{Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_DL_quality\} - \{Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_DL_quality\}}{\{Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_DL_quality\}}$	Average	Average, sectchbh
%_Drop_due_to_DL_strength	PERCENT AGE	FLOAT	Inter Cell Inter BSC HO Drop Rate DL_Strength	$100 * \frac{\{Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_DL_strength\} - \{Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_DL_strength\} - \{Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_DL_strength\}}{\{Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_DL_strength\}}$	Average	Average, sectchbh

				_DL_strength}))		
%_Drop_due_to_DTM	PERCENT AGE	FLOA T	Inter Cell Inter BSC HO Drop Rate DTM	100 * ({Siemens.Inter_BSC _HO_attempts_KPIs. Attempts_HO_due_to _DTM} - {Siemens.Inter_BSC_ HO_success_KPIs.Su ccessful_due_to_DT M} - {Siemens.Inter_BSC_ HO_failure_KPIs.Fail ed_due_to_DTM})/ ({Siemens.Inter_BSC _HO_attempts_KPIs. Attempts_HO_due_to _DTM}))	Average	Average, sectchbh
%_Drop_due_to_fast_UL	PERCENT AGE	FLOA T	Inter Cell Inter BSC HO Drop Rate Fast_UL	100 * ({Siemens.Inter_BSC _HO_attempts_KPIs. Attempts_HO_due_to _fast_UL} - {Siemens.Inter_BSC_ HO_success_KPIs.Su ccessful_due_to_fast _UL} - {Siemens.Inter_BSC_ HO_failure_KPIs.Fail ed_due_to_fast_UL}) / ({Siemens.Inter_BSC _HO_attempts_KPIs. Attempts_HO_due_to _fast_UL}))	Average	Average, sectchbh
%_Drop_due_to_forced_OM	PERCENT AGE	FLOA T	Inter Cell Inter BSC HO Drop Rate Forced_OM	100 * ({Siemens.Inter_BSC _HO_attempts_KPIs. Attempts_HO_due_to _forced_OM} - {Siemens.Inter_BSC_ _HO_attempts_KPIs. Attempts_HO_due_to _forced_OM}))	Average	Average, sectchbh

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				$\frac{\text{HO_success_KPIs.Successful_due_to_forced_OM} - \{\text{Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_forced_OM}\}}{\{\text{Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_forced_OM}\}}$		
%_Drop_due_to_forced_preemption	PERCENT AGE	FLOAT	Inter Cell Inter BSC HO Drop Rate Forced_Preemption	$100 * \frac{\{\text{Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_forced_preemption}\} - \{\text{Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_forced_preemption}\} - \{\text{Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_forced_preemption}\}}{\{\text{Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_forced_preemption}\}}$	Average	Average, sectchbh
%_Drop_due_to_UL_quality	PERCENT AGE	FLOAT	Inter Cell Inter BSC HO Drop Rate UL_Quality	$100 * \frac{\{\text{Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_UL_quality}\} - \{\text{Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_UL_quality}\} - \{\text{Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_UL_quality}\}}{\{\text{Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_UL_quality}\}}$	Average	Average, sectchbh

				Attempts_HO_due_to_UL_quality})		
%_Drop_due_to_UL_strength	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Drop Rate UL_Strength	100 * ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_UL_strength}- {Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_UL_strength} - {Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_UL_strength})/ ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_UL_strength})	Average	Average, sectchbh

7.5.47 Cell.Siemens.GSM.Inter_BSC_HO_failure_KPIs

Inter BSC handover failure KPIs

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_Failure_due_to_better_cell	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Failure Rate Better_Cell	100 * ({Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_better_cell})/ ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_better_cell})	Average	Average, sectchbh
%_Failure_due_to_directed_retry	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Failure Rate	100 * ({Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_directed_retr	Average	Average, sectchbh

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			Directed_Retry	y))/ ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_directed_retry}))		
%_Failure_due_to_distance	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Failure Rate Distance	100 * ({Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_distance})/ ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_distance}))	Average	Average, sectchbh
%_Failure_due_to_DL_quality	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Failure Rate DL_Quality	100 * ({Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_DL_quality})/ ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_DL_quality}))	Average	Average, sectchbh
%_Failure_due_to_DL_strength	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Failure Rate DL_Strength	100 * ({Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_DL_strength})/ ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_DL_strength}))	Average	Average, sectchbh
%_Failure_due_to_DTM	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Failure Rate DTM	100 * ({Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_DTM})/ ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_DTM}))	Average	Average, sectchbh
%_Failure_due_to_fast_UL	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Failure Rate Fast_UL	100 * ({Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_fast_UL})/	Average	Average, sectchbh

				({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_fast_UL}))		
%_Failure_due_to_forced_OM	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Failure Rate Forced_OM	100 * ({Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_forced_OM}) / ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_forced_OM}))	Average	Average, sectchbh
%_Failure_due_to_forced_preemption	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Failure Rate Forced_Pree mption	100 * ({Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_forced_preemption})/ ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_forced_preemption}))	Average	Average, sectchbh
%_Failure_due_to_UL_quality	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Failure Rate UL_Quality	100 * ({Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_UL_quality}) / ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_UL_quality}))	Average	Average, sectchbh
%_Failure_due_to_UL_strength	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Failure Rate UL_Strength	100 * ({Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_UL_strength})/ ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_UL	Average	Average, sectchbh

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				_strength})		
Failed_due_to _better_cell	ACCUMULA TION	INTEG ER	Failed Inter Cell Inter BSC HO Due To Better_Cell	SCANBTSOHON_AG GREGATE.NRUNINH D_6	Sum	sectchbh, Sum
Failed_due_to _directed_retr y	ACCUMULA TION	INTEG ER	Failed Inter Cell Inter BSC HO Due To Directed_Ret ry	SCANBTSOHON_AG GREGATE.NRUNINH D_7	Sum	sectchbh, Sum
Failed_due_to _distance	ACCUMULA TION	INTEG ER	Failed Inter Cell Inter BSC HO Due To Distance	SCANBTSOHON_AG GREGATE.NRUNINH D_5	Sum	sectchbh, Sum
Failed_due_to _DL_quality	ACCUMULA TION	INTEG ER	Failed Inter Cell Inter BSC HO Due To DL_Quality	SCANBTSOHON_AG GREGATE.NRUNINH D_2	Sum	sectchbh, Sum
Failed_due_to _DL_strength	ACCUMULA TION	INTEG ER	Failed Inter Cell Inter BSC HO Due To DL_Strength	SCANBTSOHON_AG GREGATE.NRUNINH D_4	Sum	sectchbh, Sum
Failed_due_to _DTM	ACCUMULA TION	INTEG ER	Failed Inter Cell Inter BSC HO Due To Forced_DTM	SCANBTSOHON_AG GREGATE.NRUNINH D_11	Sum	sectchbh, Sum
Failed_due_to _fast_UL	ACCUMULA TION	INTEG ER	Failed Inter Cell Inter BSC HO Due To Fast_UL	SCANBTSOHON_AG GREGATE.NRUNINH D_9	Sum	sectchbh, Sum
Failed_due_to _forced_OM	ACCUMULA TION	INTEG ER	Failed Inter Cell Inter BSC HO Due To Forced_OM	SCANBTSOHON_AG GREGATE.NRUNINH D_8	Sum	sectchbh, Sum

Failed_due_to_forced_preemption	ACCUMULATION	INTEGER	Failed Inter Cell Inter BSC HO Due To Forced_Preemption	SCANBTSOHON_AGGREGATE.NRUNINH D_10	Sum	sectchbh, Sum
Failed_due_to_UL_quality	ACCUMULATION	INTEGER	Failed Inter Cell Inter BSC HO Due To UL_Quality	SCANBTSOHON_AGGREGATE.NRUNINH D_1	Sum	sectchbh, Sum
Failed_due_to_UL_strength	ACCUMULATION	INTEGER	Failed Inter Cell Inter BSC HO Due To UL_Strength	SCANBTSOHON_AGGREGATE.NRUNINH D_3	Sum	sectchbh, Sum

7.5.48 Cell.Siemens.GSM.Inter_BSC_HO_success_KPIs

Inter BSC Handover success KPIs

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_Success_due_to_better_cell	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Success Rate Better_Cell	$100 * \frac{(\{Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_better_cell\})}{(\{Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_better_cell\})}$	Average	Average, sectchbh
%_Success_due_to_directed_retry	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Success Rate Directed_Retry	$100 * \frac{(\{Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_directed_retry\})}{(\{Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_directed_retry\})}$	Average	Average, sectchbh

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				HO_attempts_KPIs.Attempts_HO_due_to_directed_retry}))		
%_Success_due_to_distance	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Success Rate Distance	100 * ({Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_distance })/ ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_distance })	Average	Average, sectchbh
%_Success_due_to_DL_quality	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Success Rate DL_Quality	100 * ({Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_DL_quality })/ ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_DL_quality })	Average	Average, sectchbh
%_Success_due_to_DL_strength	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Success Rate DL_Strength	100 * ({Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_DL_strength })/ ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_DL_strength })	Average	Average, sectchbh
%_Success_due_to_DTM	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Success Rate DTM	100 * ({Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_DTM })/ ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_DTM })	Average	Average, sectchbh
%_Success_due_to_fast_UL	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Success Rate Fast_UL	100 * ({Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_fast_UL })/ ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_fast_UL })	Average	Average, sectchbh

				({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_fast_UL})		
%_Success_due_to_forced_OM	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Success Rate Forced_OM	100 * ({Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_forced_OM})/ ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_forced_OM})	Average	Average, sectchbh
%_Success_due_to_forced_preemption	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Success Rate Forced_Preeption	100 * ({Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_forced_preemption})/ ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_forced_preemption})	Average	Average, sectchbh
%_Success_due_to_UL_quality	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Success Rate UL_Quality	100 * ({Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_UL_quality})/ ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_UL_quality})	Average	Average, sectchbh
%_Success_due_to_UL_strength	PERCENTAGE	FLOAT	Inter Cell Inter BSC HO Success Rate UL_Strength	100 * ({Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_UL_strength})/ ({Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_UL	Average	Average, sectchbh

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				_strength}))		
Successful_due_to_better_cell	ACCUMULATION	INTEGER	Successful Inter Cell Inter BSC HO Due To Better_Cell	SCANBTSOHON_AGGREGATE.SUINBHD O_6	Sum	sectchbh, Sum
Successful_due_to_directed_retry	ACCUMULATION	INTEGER	Successful Inter Cell Inter BSC HO Due To Directed_Retry	SCANBTSOHON_AGGREGATE.SUINBHD O_7	Sum	sectchbh, Sum
Successful_due_to_distance	ACCUMULATION	INTEGER	Successful Inter Cell Inter BSC HO Due To Distance	SCANBTSOHON_AGGREGATE.SUINBHD O_5	Sum	sectchbh, Sum
Successful_due_to_DL_quality	ACCUMULATION	INTEGER	Successful Inter Cell Inter BSC HO Due To DL_Quality	SCANBTSOHON_AGGREGATE.SUINBHD O_2	Sum	sectchbh, Sum
Successful_due_to_DL_strength	ACCUMULATION	INTEGER	Successful Inter Cell Inter BSC HO Due To DL_Strength	SCANBTSOHON_AGGREGATE.SUINBHD O_4	Sum	sectchbh, Sum
Successful_due_to_DTM	ACCUMULATION	INTEGER	Successful Inter Cell Inter BSC HO - DTM	SCANBTSOHON_AGGREGATE.SUINBHD O_11	Sum	sectchbh, Sum
Successful_due_to_fast_UL	ACCUMULATION	INTEGER	Successful Inter Cell Inter BSC HO Due To Fast_UL	SCANBTSOHON_AGGREGATE.SUINBHD O_9	Sum	sectchbh, Sum
Successful_due_to_forced_OM	ACCUMULATION	INTEGER	Successful Inter Cell Inter BSC HO Due To Forced_OM	SCANBTSOHON_AGGREGATE.SUINBHD O_8	Sum	sectchbh, Sum

Successful_due_to_forced_preemption	ACCUMULATION	INTEGER	Successful Inter Cell Inter BSC HO Due To Forced_Preemption	SCANBTSOHON_AGGREGATE.SUINBHD_O_10	Sum	sectchbh, Sum
Successful_due_to_UL_quality	ACCUMULATION	INTEGER	Successful Inter Cell Inter BSC HO Due To UL_Quality	SCANBTSOHON_AGGREGATE.SUINBHD_O_1	Sum	sectchbh, Sum
Successful_due_to_UL_strength	ACCUMULATION	INTEGER	Successful Inter Cell Inter BSC HO Due To UL_Strength	SCANBTSOHON_AGGREGATE.SUINBHD_O_3	Sum	sectchbh, Sum

7.5.49 Cell.Siemens.GSM.Inter_system_handover_attempt_KPIs

Inter system handover attempt KPI's

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Attempts_due_to_better_cell	ACCUMULATION	INTEGER	Attempted Inter System HO Due To Better_Cell	SCANBTSOHOS_AGGREGATE.ATOISHD_O_6	Sum	seccchbh, sectchbh, Sum
Attempts_due_to_directed_retry	ACCUMULATION	INTEGER	Attempted Inter System HO Due To Directed_Retry	SCANBTSOHOS_AGGREGATE.ATOISHD_O_7	Sum	seccchbh, sectchbh, Sum
Attempts_due_to_distance	ACCUMULATION	INTEGER	Attempted Inter System HO Due To Distance	SCANBTSOHOS_AGGREGATE.ATOISHD_O_5	Sum	seccchbh, sectchbh, Sum

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Attempts_due_to_DL_quality	ACCUMULATION	INTEGER	Attempted Inter System HO Due To DL_Quality	SCANBTSOHOS_AGGREGATE.ATOISHD O_2	Sum	seccchbh , sectchbh, Sum
Attempts_due_to_DL_strength	ACCUMULATION	INTEGER	Attempted Inter System HO Due To DL_Strength	SCANBTSOHOS_AGGREGATE.ATOISHD O_4	Sum	seccchbh , sectchbh, Sum
Attempts_due_to_DTM	ACCUMULATION	INTEGER	Attempted Forced handover due to DTM	SCANBTSOHOS_AGGREGATE.ATOISHD O_11	Sum	seccchbh , sectchbh, Sum
Attempts_due_to_forced_OM	ACCUMULATION	INTEGER	Attempted Inter System HO Due To Forced_OM	SCANBTSOHOS_AGGREGATE.ATOISHD O_8	Sum	seccchbh , sectchbh, Sum
Attempts_due_to_forced_preemption	ACCUMULATION	INTEGER	Attempted Inter System HO Due To Forced_Preemption	SCANBTSOHOS_AGGREGATE.ATOISHD O_9	Sum	seccchbh , sectchbh, Sum
Attempts_due_to_UL_quality	ACCUMULATION	INTEGER	Attempted Inter System HO Due To UL_Quality	SCANBTSOHOS_AGGREGATE.ATOISHD O_1	Sum	seccchbh , sectchbh, Sum
Attempts_due_to_UL_strength	ACCUMULATION	INTEGER	Attempted Inter System HO Due To UL_Strength	SCANBTSOHOS_AGGREGATE.ATOISHD O_3	Sum	seccchbh , sectchbh, Sum
Attempts_sufficient_UMTS_cover	ACCUMULATION	INTEGER	Attempted Inter System HO Due To Sufficient_UMTS_Coverage	SCANBTSOHOS_AGGREGATE.ATOISHD O_10	Sum	seccchbh , sectchbh, Sum

7.5.50 Cell.Siemens.GSM.Inter_system_handover_dist_KPIs

Inter system handover dist KPI's

KPI	Type	Data	Description	Derivation	Default	Other
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		Type			Aggrega tor	Aggrega tors
%_Dist_better_cell	PERCENTAGE	FLOAT	Inter System HO Dist Better_Cell	$100 * \frac{(\{\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_better_cell}\})}{(\{\text{Siemens.Inter_system_handover_dist_KPIs.Inter_System_HO_Dist_denom}\})}$	Average	Average, sectchbh
%_Dist_directed_retry	PERCENTAGE	FLOAT	Inter System HO Dist Directed_Retry	$100 * \frac{(\{\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_directed_retry}\})}{(\{\text{Siemens.Inter_system_handover_dist_KPIs.Inter_System_HO_Dist_denom}\})}$	Average	Average, sectchbh
%_Dist_distance	PERCENTAGE	FLOAT	Inter System HO Dist Distance	$100 * \frac{(\{\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_distance}\})}{(\{\text{Siemens.Inter_system_handover_dist_KPIs.Inter_System_HO_Dist_denom}\})}$	Average	Average, sectchbh
%_Dist_DL_quality	PERCENTAGE	FLOAT	Inter System HO Dist DL_Quality	$100 * \frac{(\{\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_DL_quality}\})}{(\{\text{Inter_System_HO_Dist_denom}\})}$	Average	Average, sectchbh
%_Dist_DL_	PERCENTAGE	FLOAT	Inter System HO Dist	$100 * (\{\text{Siemens.Inter_system}$	Average	Average, sectchbh

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strength			DL_Strength	$\frac{\text{Is.Attempts_due_to_DL_strength}}{(\text{Inter_System_HO_Dist_denom})}$		
$\bar{\%_Dist_DTM}$	PERCENTAGE	FLOAT	Inter System HO Dist DTM	$100 * \frac{(\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_DTM})}{(\text{Siemens.Inter_system_handover_dist_KPIs.Inter_System_HO_Dist_denom})}$	Average	Average, sectchbh
$\bar{\%_Dist_forced_OM}$	PERCENTAGE	FLOAT	Inter System HO Dist Forced_OM	$100 * \frac{(\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_forced_OM})}{(\text{Siemens.Inter_system_handover_dist_KPIs.Inter_System_HO_Dist_denom})}$	Average	Average, sectchbh
$\bar{\%_Dist_forced_preemption}$	PERCENTAGE	FLOAT	Inter System HO Dist Forced_Preemption	$100 * \frac{(\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_forced_preemption})}{(\text{Inter_System_HO_Dist_denom})}$	Average	Average, sectchbh
$\bar{\%_Dist_Sufficient_UMTS_coverage}$	PERCENTAGE	FLOAT	Inter System HO Dist Sufficient_UMTS_Coverage	$100 * \frac{(\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_sufficient_UMTS_cover})}{(\text{Inter_System_HO_Dist_denom})}$	Average	Average, sectchbh
$\bar{\%_Dist_UL_quality}$	PERCENTAGE	FLOAT	Inter System HO Dist UL_Quality	$100 * \frac{(\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_UL_quality})}{(\text{Inter_System_HO_Dist_denom})}$	Average	Average, sectchbh

				ist_denom})		
%_Dist_UL_strength	PERCENTAGE	FLOAT	Inter System HO Dist UL Strength	100 * ({Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_UL_strength})/ ({Inter_System_HO_Dist_denom})	Average	Average, sectchbh
Inter_System_HO_Dist_denom	ACCUMULATION	INTEGER	Inter System HO Dist denom	SCANBTSOHOS_AGGREGATE.ATOISHDO_1 + ATOISHDO_2 + ATOISHDO_3 + ATOISHDO_4 + ATOISHDO_5 + ATOISHDO_6 + ATOISHDO_7 + ATOISHDO_8 + ATOISHDO_9 + ATOISHDO_10 + ATOISHDO_11	Sum	sectchbh, Sum

7.5.51 Cell.Siemens.GSM.Inter_system_handover_drop_KPIs

Inter system handover drop KPI's

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_Drop_better_cell	PERCENTAGE	FLOAT	Inter System HO Drop Rate Better_Cell	100 * ((({Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_better_cell} - {Siemens.Inter_system_handover_success_KPIs.Successful_due_to_better_cell} - {Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_b	Average	Average, sectchbh

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				etter_cell}))/ ({Siemens.Inter_syst em_handover_attempt _KPIs.Attempts_due_ to_better_cell}))		
%_Drop_directed_retry	PERCENT AGE	FLOAT	Inter System HO Drop Rate Directed_Retry	100 * (((Siemens.Inter_syst em_handover_attempt _KPIs.Attempts_due_ to_directed_retry} - {Siemens.Inter_syste m_handover_success _KPIs.Successful_due_ to_directed_retry} - {Siemens.Inter_syste m_handover_failure_ KPIs.Failed_due_to_d irected_retry}))/ ({Siemens.Inter_syst em_handover_attempt _KPIs.Attempts_due_ to_directed_retry}))	Average	Average, sectchbh
%_Drop_distance	PERCENT AGE	FLOAT	Inter System HO Drop Rate Distance	100 * (((Siemens.Inter_syst em_handover_attempt _KPIs.Attempts_due_ to_distance} - {Siemens.Inter_syste m_handover_success _KPIs.Successful_due_ to_distance} - {Siemens.Inter_syste m_handover_failure_ KPIs.Failed_due_to_d istance}))/ ({Siemens.Inter_syst em_handover_attempt _KPIs.Attempts_due_ to_distance}))	Average	Average, sectchbh
%_Drop_DL_quality	PERCENT AGE	FLOAT	Inter System HO Drop Rate DL_Quality	100 * (((Siemens.Inter_syst em_handover_attempt _KPIs.Attempts_due_ to_DL_quality} -	Average	Average, sectchbh

				$\frac{\{Siemens.Inter_system_handover_success_KPIs.Successful_due_to_DL_quality\} - \{Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_DL_quality\}}{(\{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_DL_quality\})}$		
%_Drop_DL_strength	PERCENT AGE	FLOAT	Inter System HO Drop Rate DL_Strength	$100 * \frac{((\{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_DL_strength\} - \{Siemens.Inter_system_handover_success_KPIs.Successful_due_to_DL_strength\} - \{Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_DL_strength\}))}{(\{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_DL_strength\})}$	Average	Average, sectchbh
%_Drop_DTM	PERCENT AGE	FLOAT	Inter System HO Drop Rate DTM	$100 * \frac{((\{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_DTM\} - \{Siemens.Inter_system_handover_success_KPIs.Successful_due_to_DTM\} - \{Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_DTM\}))}{(\{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_DTM\})}$	Average	Average, sectchbh

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				$\frac{\text{KPIs.Failed_due_to_DTM}}{(\{\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_DTM}\})}$		
%_Drop_forced_OM	PERCENT AGE	FLOAT	Inter System HO Drop Rate Forced_OM	$100 * \frac{((\{\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_forced_OM}\} - \{\text{Siemens.Inter_system_handover_success_KPIs.Successful_due_to_forced_OM}\} - \{\text{Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_forced_OM}\}))/(\{\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_forced_OM}\})}{1}$	Average	Average, sectchbh
%_Drop_forced_preemption	PERCENT AGE	FLOAT	Inter System HO Drop Rate Forced_Preemption	$100 * \frac{((\{\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_forced_preemption}\} - \{\text{Siemens.Inter_system_handover_success_KPIs.Successful_due_to_forced_preemption}\} - \{\text{Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_forced_preemption}\}))/(\{\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_forced_preemption}\})}{1}$	Average	Average, sectchbh
_	PERCENT	FLOAT	Inter System	100 *	Average	Average,

%_Drop_sufficient_UMTS_coverage	AGE	T	HO Drop Rate Sufficient_UMTS_Coverage	((({Siemens.Inter_system_handover_attempt_KPIs.Attempts_sufficient_UMTS_cover} - {Siemens.Inter_system_handover_success_KPIs.Successful_sufficient_UMTS_cover} - {Siemens.Inter_system_handover_failure_KPIs.Failed_sufficient_UMTS_cover}))/ ({Siemens.Inter_system_handover_attempt_KPIs.Attempts_sufficient_UMTS_cover}))		sectchbh
%_Drop_UL_quality	PERCENT AGE	FLOAT	Inter System HO Drop Rate UL_Quality	100 * (({Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_UL_quality} - {Siemens.Inter_system_handover_success_KPIs.Successful_due_to_UL_quality} - {Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_UL_quality}))/ ({Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_UL_quality}))	Average	Average, sectchbh
%_Drop_UL_strength	PERCENT AGE	FLOAT	Inter System HO Drop Rate UL_Strength	100 * (({Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_UL_strength} -	Average	Average, sectchbh

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				$\frac{\{Siemens.Inter_system_handover_success_KPIs.Successful_due_to_UL_strength\} - \{Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_UL_strength\}}{(\{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_UL_strength\})}$		
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7.5.52 Cell.Siemens.GSM.Inter_system_handover_failure_KPIs

Inter system handover failure KPI's

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_Failure_better_cell	PERCENTAGE	FLOAT	Inter System HO Failure Rate Better_Cell	$100 * \frac{\{Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_better_cell\}}{(\{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_better_cell\})}$	Average	Average, seccchbh, sectchbh
%_Failure_directed_retry	PERCENTAGE	FLOAT	Inter System HO Failure Rate Directed_Retry	$100 * \frac{\{Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_directed_retry\}}{(\{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_directed_retry\})}$	Average	Average, seccchbh, sectchbh
%_Failure_distance	PERCENTAGE	FLOAT	Inter System HO Failure Rate Distance	$100 * \frac{\{Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_distance\}}{(\{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_distance\})}$	Average	Average, seccchbh, sectchbh

				m_handover_attempt_KPIs.Attempts_due_to_distance})		
%_Failure_DL_quality	PERCENTAGE	FLOAT	Inter System HO Failure Rate DL_Quality	100 * ({Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_DL_quality}) / ({Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_DL_quality})	Average	Average, seccchbh , sectchbh
%_Failure_DL_strength	PERCENTAGE	FLOAT	Inter System HO Failure Rate DL_Strength	100 * ({Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_DL_strength}) / ({Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_DL_strength})	Average	Average, seccchbh , sectchbh
%_Failure_DTM	PERCENTAGE	FLOAT	Inter System HO Failure Rate DTM	100 * ({Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_DTM}) / ({Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_DTM})	Average	Average, seccchbh , sectchbh
%_Failure_forced_OM	PERCENTAGE	FLOAT	Inter System HO Failure Rate Forced_OM	100 * ({Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_forced_OM}) / ({Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_forced_OM})	Average	Average, seccchbh , sectchbh

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%_Failure_forced_preemption	PERCENTAGE	FLOAT	Inter System HO Failure Rate Forced_Preemption	100 * ({Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_forced_preemption})/ ({Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_forced_preemption})	Average	Average, seccchbh, sectchbh
%_Failure_sufficient_UMTS_coverage	PERCENTAGE	FLOAT	Inter System HO Failure Rate Sufficient_UMTS_Coverage	100 * ({Siemens.Inter_system_handover_failure_KPIs.Failed_sufficient_UMTS_cover})/ ({Siemens.Inter_system_handover_attempt_KPIs.Attempts_sufficient_UMTS_cover})	Average	Average, seccchbh, sectchbh
%_Failure_UL_quality	PERCENTAGE	FLOAT	Inter System HO Failure Rate UL_Quality	100 * ({Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_UL_quality})/ ({Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_UL_quality})	Average	Average, seccchbh, sectchbh
%_Failure_UL_strength	PERCENTAGE	FLOAT	Inter System HO Failure Rate UL_Strength	100 * ({Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_UL_strength})/ ({Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_UL_strength})	Average	Average, seccchbh, sectchbh
Failed_due_to_better_cell	ACCUMULATION	INTEGER	Failed Inter System HO Due To Better_Cell	SCANBTSOHOS_AGGREGATE.UNOISHDO_6	Sum	seccchbh, sectchbh, Sum
Failed_due_to_directed_retry	ACCUMULATION	INTEGER	Failed Inter System HO Due To	SCANBTSOHOS_AGGREGATE.UNOISHDO_7	Sum	seccchbh, sectchbh,

			Directed_Retry			Sum
Failed_due_to_distance	ACCUMULATION	INTEGER	Failed Inter System HO Due To Distance	SCANBTSOHOS_AGGREGATE.UNOISHDO_5	Sum	seccchbh, sectchbh, Sum
Failed_due_to_DL_quality	ACCUMULATION	INTEGER	Failed Inter System HO Due To DL_Quality	SCANBTSOHOS_AGGREGATE.UNOISHDO_2	Sum	seccchbh, sectchbh, Sum
Failed_due_to_DL_strength	ACCUMULATION	INTEGER	Failed Inter System HO Due To DL_Strength	SCANBTSOHOS_AGGREGATE.UNOISHDO_4	Sum	seccchbh, sectchbh, Sum
Failed_due_to_DTM	ACCUMULATION	INTEGER	Unsuccessful Outgoing Intersystem Forced handover due to DTM	SCANBTSOHOS_AGGREGATE.UNOISHDO_11	Sum	seccchbh, sectchbh, Sum
Failed_due_to_forced_OM	ACCUMULATION	INTEGER	Failed Inter System HO Due To Forced_OM	SCANBTSOHOS_AGGREGATE.UNOISHDO_8	Sum	seccchbh, sectchbh, Sum
Failed_due_to_forced_preemption	ACCUMULATION	INTEGER	Failed Inter System HO Due To Forced_Preemption	SCANBTSOHOS_AGGREGATE.UNOISHDO_9	Sum	seccchbh, sectchbh, Sum
Failed_due_to_UL_quality	ACCUMULATION	INTEGER	Failed Inter System HO Due To UL_Quality	SCANBTSOHOS_AGGREGATE.UNOISHDO_1	Sum	seccchbh, sectchbh, Sum
Failed_due_to_UL_strength	ACCUMULATION	INTEGER	Failed Inter System HO Due To	SCANBTSOHOS_AGGREGATE.UNOISHDO_3	Sum	seccchbh, sectchbh,

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			UL_Strength			Sum
Failed_sufficient_UMTS_coverage	ACCUMULATION	INTEGER	Failed Inter System HO Due To Sufficient_UMTS_Coverage	SCANBTSOHOS_AGGREGATE.UNOISHDO_10	Sum	seccchbh, sectchbh, Sum

7.5.53 Cell.Siemens.GSM.Inter_system_handover_success_KPIs

Inter system handover success KPI's

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_Successful_better_cell	PERCENTAGE	FLOAT	Inter System HO Success Rate Better_Cell	$100 * \frac{(\text{Siemens.Inter_system_handover_success_KPIs.Successful_due_to_better_cell})}{(\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_better_cell})}$	Average	Average, seccchbh, sectchbh
%_Successful_directed_retry	PERCENTAGE	FLOAT	Inter System HO Success Rate Directed_Retry	$100 * \frac{(\text{Siemens.Inter_system_handover_success_KPIs.Successful_due_to_directed_retry})}{(\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_directed_retry})}$	Average	Average, seccchbh, sectchbh
%_Successful_distance	PERCENTAGE	FLOAT	Inter System HO Success Rate Distance	$100 * \frac{(\text{Siemens.Inter_system_handover_success_KPIs.Successful_due_to_distance})}{(\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_distance})}$	Average	Average, seccchbh, sectchbh

%_Successful_DL_quality	PERCENTAGE	FLOAT	Inter System HO Success Rate DL Quality	$100 * \frac{({\text{Siemens.Inter_system_handover_success_KPIs.Successful_due_to_DL_quality}})}{({\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_DL_quality}})}$	Average	Average, seccchbh, sectchbh
%_Successful_DL_strength	PERCENTAGE	FLOAT	Inter System HO Success Rate DL Strength	$100 * \frac{({\text{Siemens.Inter_system_handover_success_KPIs.Successful_due_to_DL_strength}})}{({\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_DL_strength}})}$	Average	Average, seccchbh, sectchbh
%_Successful_DTM	PERCENTAGE	FLOAT	Inter System HO Success Rate DTM	$100 * \frac{({\text{Siemens.Inter_system_handover_success_KPIs.Successful_due_to_DTM}})}{({\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_DTM}})}$	Average	Average, seccchbh, sectchbh
%_Successful_forced_OM	PERCENTAGE	FLOAT	Inter System HO Success Rate Forced_OM	$100 * \frac{({\text{Siemens.Inter_system_handover_success_KPIs.Successful_due_to_forced_OM}})}{({\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_forced_OM}})}$	Average	Average, seccchbh, sectchbh
%_Successful_forced_preemp	PERCENTAGE	FLOAT	Inter System HO Success Rate	$100 * \frac{({\text{Siemens.Inter_system_handover_success_KPIs.Successful_due_to_forced_preemp}})}{({\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_forced_preemp}})}$	Average	Average, seccchbh, sectchbh

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tion			Forced_Preemption	$\frac{\text{KPIs.Successful_due_to_forced_preemption}}{(\{\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_forced_preemption}\})}$		sectchbh
%_Successful_sufficient_UMTS_cover	PERCENTAGE	FLOAT	Inter System HO Success Rate Sufficient_UMTS_Coverage	$100 * \frac{(\{\text{Siemens.Inter_system_handover_success_KPIs.Successful_sufficient_UMTS_cover}\})}{(\{\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_sufficient_UMTS_cover}\})}$	Average	Average, seccchbh, sectchbh
%_Successful_UL_quality	PERCENTAGE	FLOAT	Inter System HO Success Rate UL Quality	$100 * \frac{(\{\text{Siemens.Inter_system_handover_success_KPIs.Successful_due_to_UL_quality}\})}{(\{\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_UL_quality}\})}$	Average	Average, seccchbh, sectchbh
%_Successful_UL_strength	PERCENTAGE	FLOAT	Inter System HO Success Rate UL_Strength	$100 * \frac{(\{\text{Siemens.Inter_system_handover_success_KPIs.Successful_due_to_UL_strength}\})}{(\{\text{Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to_UL_strength}\})}$	Average	Average, seccchbh, sectchbh
Successful_due_to_better_cell	ACCUMULATION	INTEGER	Successful Inter System HO Due To Better_Cell	SCANBTSOHOS_AGGREGATE.SUOISHDO_6	Sum	seccchbh, sectchbh, Sum
Successful_due_to_directed_retry	ACCUMULATION	INTEGER	Successful Inter System HO Due To Directed_Retry	SCANBTSOHOS_AGGREGATE.SUOISHDO_7	Sum	seccchbh, sectchbh, Sum

Successful_du e_to_distance	ACCUMULA TION	INTEG ER	Successful Inter System HO Due To Distance	SCANBTSOHOS_AG GREGATE.SUOISHD O_5	Sum	seccchbh , sectchbh, Sum
Successful_du e_to_DL_quali ty	ACCUMULA TION	INTEG ER	Successful Inter System HO Due To DL_Quality	SCANBTSOHOS_AG GREGATE.SUOISHD O_2	Sum	seccchbh , sectchbh, Sum
Successful_du e_to_DL_stren gth	ACCUMULA TION	INTEG ER	Successful Inter System HO Due To DL_Strength	SCANBTSOHOS_AG GREGATE.SUOISHD O_4	Sum	seccchbh , sectchbh, Sum
Successful_du e_to_DTM	ACCUMULA TION	INTEG ER	Successful outgoing Forced handover due to DTM	SCANBTSOHOS_AG GREGATE.SUOISHD O_11	Sum	seccchbh , sectchbh, Sum
Successful_du e_to_forced_OM	ACCUMULA TION	INTEG ER	Successful Inter System HO Due To Forced_OM	SCANBTSOHOS_AG GREGATE.SUOISHD O_8	Sum	seccchbh , sectchbh, Sum
Successful_du e_to_forced_pr eemption	ACCUMULA TION	INTEG ER	Successful Inter System HO Due To Forced_Pree mption	SCANBTSOHOS_AG GREGATE.SUOISHD O_9	Sum	seccchbh , sectchbh, Sum
Successful_du e_to_UL_quali ty	ACCUMULA TION	INTEG ER	Successful Inter System HO Due To UL_Quality	SCANBTSOHOS_AG GREGATE.SUOISHD O_1	Sum	seccchbh , sectchbh, Sum
Successful_du e_to_UL_stren gth	ACCUMULA TION	INTEG ER	Successful Inter System HO Due To UL_Strength	SCANBTSOHOS_AG GREGATE.SUOISHD O_3	Sum	seccchbh , sectchbh, Sum
Successful_suf ficient_UMTS	ACCUMULA TION	INTEG ER	Successful Inter System	SCANBTSOHOS_AG GREGATE.SUOISHD	Sum	seccchbh ,

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_cover			HO Due To Sufficient_UMTS_Coverage	O_10		sectchbh, Sum
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7.5.54 Cell.Siemens.GSM.InterCell_Handover

Cell related InterCell Handover measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
ATTEMPTED_INTER_HO_DUE_TO_BETTER_CELL	ACCUMULATION	INT8	Attempted Internal Handovers, Intercell - better cell (power budget related to the neighbourcell)	SCANBTS.ATINHIRC_6	Sum	seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
ATTEMPTED_INTER_HO_DUE_TO_DIRECTED_RETRY	ACCUMULATION	INT8	Attempted Internal Handovers, Intercell - directed retry	SCANBTS.ATINHIRC_7	Sum	seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
ATTEMPTED_INTER_HO_DUE_TO_DISTANCE	ACCUMULATION	INT8	Attempted Internal Handovers, Intercell - distance	SCANBTS.ATINHIRC_5	Sum	seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
ATTEMPTED_INTER_HO_DUE_TO_DOWNLINK_QUALITY	ACCUMULATION	INT8	Attempted Internal Handovers, Intercell - downlink quality	SCANBTS.ATINHIRC_2	Sum	seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum

ATTEMPTED_INTER_HO_DUE_TO_DOWNLINK_STRENGTH	ACCUMULATION	INT8	Attempted Internal Handovers, Intercell - downlink strength	SCANBTS.ATINHIRC_4	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
ATTEMPTED_INTER_HO_DUE_TO_MAINTENANCE	ACCUMULATION	INT8	Attempted Internal Handovers, Intercell - maintenance forced handover	SCANBTS.ATINHIRC_8	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
ATTEMPTED_INTER_HO_DUE_TO_UPLINK_QUALITY	ACCUMULATION	INT8	Attempted Internal Handovers, Intercell - uplink quality	SCANBTS.ATINHIRC_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
ATTEMPTED_INTER_HO_DUE_TO_UPLINK_STRENGTH	ACCUMULATION	INT8	Attempted Internal Handovers, Intercell - uplink strength	SCANBTS.ATINHIRC_3	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
ATTEMPTED_INTRA_HO_DUE_TO_FAST_UPLINK	ACCUMULATION	INT8	Attempted Internal Handovers, Intercell - fast uplink	SCANBTS.ATINHIRC_10	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
ATTEMPTED_INTRA_HO_DUE_TO_PREE	ACCUMULATION	INT8	Attempted Internal Handovers,	SCANBTS.ATINHIRC_11	Sum	seccchbh , seclctbh

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OPTION			Inter-cell - preemption			, sectchbh, sectchfrbh, Sum
ATTEMPTED_INTRA_HO_DUE_TO_TRAFFIC	ACCUMULATION	INT8	Attempted Internal Handovers, Inter-cell - traffic	SCANBTS.ATINHIRC_9	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
ATTEMPTED_SDCCH_INTER_HO	ACCUMULATION	INT8	Attempted internal SDCCH Handovers inter-cell	SCANBTS.AISHINTE_1	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
FAILED_SDCCH_INTER_HO	ACCUMULATION	INT8	Unsuccessful internal SDCCH Handovers inter-cell	SCANBTS.UISHINTE_1	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
Forced_Ho_Due_To_Dtm	ACCUMULATION	INTEGER	Forced handover due to DTM	SCANBTS.ATINHIRC_12	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
Succ_Forced_Ho_Due_To_Dtm	ACCUMULATION	INT8	Successful Forced handover due to DTM	SCANBTS.SINTHINT_12	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
SUCCESSFUL_INTER_HO_DUE_TO_BETT	ACCUMULATION	INT8	Successful Internal Handovers,	SCANBTS.SINTHINT_6	Sum	seccchbh , secrctbh

ER_CELL			Inter-cell - better cell (power budget related to the neighbour cell)			, sectchbh, sectchfrbh, Sum
SUCCESSFUL_INTER_HO_DUE_TO_DIRECTED_RETRY	ACCUMULATION	INT8	Successful Internal Handovers, Inter-cell - directed retry	SCANBTS.SINTHINT_7	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, Sum
SUCCESSFUL_INTER_HO_DUE_TO_DISTANCE	ACCUMULATION	INT8	Successful Internal Handovers, Inter-cell - distance	SCANBTS.SINTHINT_5	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, Sum
SUCCESSFUL_INTER_HO_DUE_TO_DOWNLINK_QUALITY	ACCUMULATION	INT8	Successful Internal Handovers, Inter-cell - downlink quality	SCANBTS.SINTHINT_2	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, Sum
SUCCESSFUL_INTER_HO_DUE_TO_DOWNLINK_STRENGTH	ACCUMULATION	INT8	Successful Internal Handovers, Inter-cell - downlink strength	SCANBTS.SINTHINT_4	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, Sum
SUCCESSFUL_INTER_HO_DUE_TO_MAINTENANCE	ACCUMULATION	INT8	Successful Internal Handovers, Inter-cell -	SCANBTS.SINTHINT_8	Sum	seccchbh, secrletbh,

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			maintenance forced handover			sectchbh, sectchfrbh, Sum
SUCCESSFUL_INTER_HO_DUE_TO_UPLINK_QUALITY	ACCUMULATION	INT8	Successful Internal Handovers, Intercell - uplink quality	SCANBTS.SINTHINT_1	Sum	seccchbh, secrldtchbh, sectchbh, sectchfrbh, Sum
SUCCESSFUL_INTER_HO_DUE_TO_UPLINK_STRENGTH	ACCUMULATION	INT8	Successful Internal Handovers, Intercell - uplink strength	SCANBTS.SINTHINT_3	Sum	seccchbh, secrldtchbh, sectchbh, sectchfrbh, Sum
SUCCESSFUL_INTRA_HO_DUE_TO_FAST_UPLINK	ACCUMULATION	INT8	Successful Internal Handovers, Intercell - fast uplink	SCANBTS.SINTHINT_10	Sum	seccchbh, secrldtchbh, sectchbh, sectchfrbh, Sum
SUCCESSFUL_INTRA_HO_DUE_TO_PREEMPTION	ACCUMULATION	INT8	Successful Internal Handovers, Intercell - preemption	SCANBTS.SINTHINT_11	Sum	seccchbh, secrldtchbh, sectchbh, sectchfrbh, Sum
SUCCESSFUL_INTRA_HO_DUE_TO_TRAFFIC	ACCUMULATION	INT8	Successful Internal Handovers, Intercell - traffic	SCANBTS.SINTHINT_9	Sum	seccchbh, secrldtchbh, sectchbh, sectchfrbh, Sum
SUCCESSFUL_SDCCH_INTER_HO	ACCUMULATION	INT8	Successful internal SDCCH Handovers	SCANBTS.SISHINTE_1	Sum	seccchbh, secrldtchbh,

			intercell			sectchbh, sectchfrb h, Sum
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7.5.55 Cell.Siemens.GSM.Internal_intercell_handover_failures

Cell related Internal intercell handover failure measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
FAILED_INTE RCELL_HO_ WITH_LOSS_ MS	ACCUMULA TION	INT8	Unsuccessful Internal Handovers, Intercell, with Loss of MS	SCANBTS.UNIHIRL C_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum

7.5.56 Cell.Siemens.GSM.Internal_intercell_SDCCH_HO

Internal intercell SDCCH handovers

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Failed_due_to _lost_connect ion	ACCUMULA TION	INTEG ER	This measurement provides the number of unsuccessful SDCCH handovers from the observed cell into a different cell managed by the same BSC. (UISHIRLC)	SCANBTS.UISHIRL C_1	Sum	seccchbh , seclctbh , sectchbh, Sum

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7.5.57 Cell.Siemens.GSM.Internal_intracell_SDCCH_HO

Internal intracell SDCCH handovers

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Failed_due_to_lost_connection	ACCUMULATION	INTEGER	This measurement provides the total number of unsuccessful SDCCH handovers from one SDCCH to another within the same cell. (UISHIALC)	SCANBTS.UISHIALC_1	Sum	seccchbh , seclctbh , sectchbh, Sum

7.5.58 Cell.Siemens.GSM.Intra_BSC_handover_attempt_KPIs

Intra BSC handover attempt KPIs

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Attempts_HO_due_to_better_cell	ACCUMULATION	INTEGER	Attempted Inter Cell Intra BSC HO Due To Better_Cell	SCANBTSSOHOI_AGGREGATE.AOUINIRH_6 + AOUINIRH_18 + AOUINIRH_30 + AOUINIRH_42	Sum	seccchbh , sectchbh, Sum
Attempts_HO_due_to_directed_retry	ACCUMULATION	INTEGER	Attempted Inter Cell Intra BSC HO Due To Directed_Retry	SCANBTSSOHOI_AGGREGATE.AOUINIRH_7 + AOUINIRH_19 + AOUINIRH_31 + AOUINIRH_43	Sum	seccchbh , sectchbh, Sum
Attempts_HO_due_to_distance	ACCUMULATION	INTEGER	Attempted Inter Cell Intra BSC HO Due To	SCANBTSSOHOI_AGGREGATE.AOUINIRH_5 + AOUINIRH_17 + AOUINIRH_29 +	Sum	seccchbh , sectchbh, Sum

			Distance	AOUINIRH_41		
Attempts_H O_due_to_DL_quality	ACCUMULATION	INTEGER	Attempted Inter Cell Intra BSC HO Due To DL_Quality	SCANBTSOHOI_AG GREGATE.AOUINIRH_2 + AOUINIRH_14 + AOUINIRH_26 + AOUINIRH_38	Sum	seccchbh , sectchbh, Sum
Attempts_H O_due_to_DL_strength	ACCUMULATION	INTEGER	Attempted Inter Cell Intra BSC HO Due To DL_Strength	SCANBTSOHOI_AG GREGATE.AOUINIRH_4 + AOUINIRH_16 + AOUINIRH_28 + AOUINIRH_40	Sum	seccchbh , sectchbh, Sum
Attempts_H O_due_to_DTM	ACCUMULATION	INT8	Attempted Inter Cell Intra BSC HO Due To DTM	SCANBTSOHOI_AG GREGATE.AOUINIRH_12 + AOUINIRH_24 + AOUINIRH_36 + AOUINIRH_48	Sum	seccchbh , sectchbh, Sum
Attempts_H O_due_to_fast_UL	ACCUMULATION	INTEGER	Attempted Inter Cell Intra BSC HO Due To Fast_UL	SCANBTSOHOI_AG GREGATE. AOUINIRH_10 + AOUINIRH_22 + AOUINIRH_34 + AOUINIRH_46	Sum	seccchbh , sectchbh, Sum
Attempts_H O_due_to_forced_OM	ACCUMULATION	INTEGER	Attempted Inter Cell Intra BSC HO Due To Forced_OM	SCANBTSOHOI_AG GREGATE.AOUINIRH_8 + AOUINIRH_20 + AOUINIRH_32 + AOUINIRH_44	Sum	seccchbh , sectchbh, Sum
Attempts_H O_due_to_forced_preempt	ACCUMULATION	INTEGER	Attempted Inter Cell Intra BSC HO Due To Forced_Preemption	SCANBTSOHOI_AG GREGATE.AOUINIRH_11 + AOUINIRH_23 + AOUINIRH_35 + AOUINIRH_47	Sum	seccchbh , sectchbh, Sum
Attempts_H O_due_to_traffic	ACCUMULATION	INTEGER	Attempted Inter Cell Intra BSC HO	SCANBTSOHOI_AG GREGATE.AOUINIRH_9 + AOUINIRH_21	Sum	seccchbh , sectchbh,

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			Due To Traffic	+ AOUIRIRH_33 + AOUIRIRH_45		Sum
Attempts_HO_due_to_UL_quality	ACCUMULATION	INTEGER	Attempted Inter Cell Intra BSC HO Due To UL_Quality	SCANBTSOHOI_AGGREGATE.AOUIRIRH_1 + AOUIRIRH_13 + AOUIRIRH_25 + AOUIRIRH_37	Sum	seccchbh, sectchbh, Sum
Attempts_HO_due_to_UL_strength	ACCUMULATION	INTEGER	Attempted Inter Cell Intra BSC HO Due To UL_Strength	SCANBTSOHOI_AGGREGATE.AOUIRIRH_3 + AOUIRIRH_15 + AOUIRIRH_27 + AOUIRIRH_39	Sum	seccchbh, sectchbh, Sum

7.5.59 Cell.Siemens.GSM.Intra_BSC_handover_dist_KPIs

Intra BSC handover dist KPIs

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_Dist_better_cell	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Dist Better_Cell	$100 * \frac{(\{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_better_cell\})}{(\{Siemens.Intra_BSC_handover_dist_KPIs.Dist_denom\})}$	Average	Average, sectchbh
%_Dist_directed_retry	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Dist Directed_Retry	$100 * \frac{(\{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_directed_retry\})}{(\{Siemens.Intra_BSC_handover_dist_KPIs.Dist_denom\})}$	Average	Average, sectchbh
%_Dist_distance	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Dist Distance	$100 * (\{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO$	Average	Average, sectchbh

				$\frac{\text{_due_to_distance}}{\{ \text{Siemens.Intra_BSC_handover_dist_KPIs.Dist_denom} \}})$		
$\bar{\%_Dist_DL_quality}$	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Dist DL_Quality	$100 * \frac{(\{ \text{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_DL_quality} \})}{(\{ \text{Siemens.Intra_BSC_handover_dist_KPIs.Dist_denom} \})}$	Average	Average, sectchbh
$\bar{\%_Dist_DL_strength}$	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Dist DL_Strength	$100 * \frac{(\{ \text{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_DL_strength} \})}{(\{ \text{Siemens.Intra_BSC_handover_dist_KPIs.Dist_denom} \})}$	Average	Average, sectchbh
$\bar{\%_Dist_DTM}$	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO DTM	$100 * \frac{(\{ \text{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_DTM} \})}{(\{ \text{Siemens.Intra_BSC_handover_dist_KPIs.Dist_denom} \})}$	Average	Average, sectchbh
$\bar{\%_Dist_fast_UL}$	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Dist Fast_UL	$100 * \frac{(\{ \text{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_fast_UL} \})}{(\{ \text{Siemens.Intra_BSC_handover_dist_KPIs.Dist_denom} \})}$	Average	Average, sectchbh

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$\bar{\%_Dist_forced_OM}$	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Dist Forced_OM	$100 * \frac{({Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_forced_OM})}{({Siemens.Intra_BSC_handover_dist_KPIs.Dist_denom})}$	Average	Average, sectchbh
$\bar{\%_Dist_forced_preemption}$	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Dist Forced_Preemption	$100 * \frac{({Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_forced_preemption})}{({Siemens.Intra_BSC_handover_dist_KPIs.Dist_denom})}$	Average	Average, sectchbh
$\bar{\%_Dist_traffic}$	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Dist Traffic	$100 * \frac{({Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_traffic})}{({Siemens.Intra_BSC_handover_dist_KPIs.Dist_denom})}$	Average	Average, sectchbh
$\bar{\%_Dist_UL_quality}$	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Dist UL_Quality	$100 * \frac{({Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_UL_quality})}{({Siemens.Intra_BSC_handover_dist_KPIs.Dist_denom})}$	Average	Average, sectchbh
$\bar{\%_Dist_UL_strength}$	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Dist UL_Strength	$100 * \frac{({Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_UL_strength})}{({Siemens.Intra_BSC_handover_dist_KPIs.Dist_denom})}$	Average	Average, sectchbh

				PIs.Dist_denom}))		
Dist_denom	ACCUMULATION	INTEGER	Dist_denom	SCANBTSOHOI_A GGREGATE.C5_1_ Total_OverTarget	Sum	sectchbh, Sum

7.5.60 Cell.Siemens.GSM.Intra_BSC_handover_drop_KPIs

Intra BSC handover drop KPIs

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_Drop_better_cell	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Drop Rate Better_Cell	$100 * \frac{((\{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_better_cell\} - \{Siemens.Intra_BSC_handover_success_KPIs.Successful_HO_due_to_better_cell\} - \{Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_better_cell\}))}{(\{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_better_cell\})}$	Average	Average, sectchbh
%_Drop_directed_retry	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Drop Rate Directed_Retry	$100 * \frac{(\{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_directed_retry\} - \{Siemens.Intra_BSC_handover_success_KPIs.Successful_HO_due_to_directed_retry\})}{(\{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_directed_retry\})}$	Average	Average, sectchbh

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				- {Siemens.Intra_BSC_ handover_failure_KPI s.Failed_HO_due_to_ directed_retry}})/ ({Siemens.Intra_BSC_ handover_attempt_K PIs.Attempts_HO_du e_to_directed_retry})		
%_Drop_distance	PERCENT AGE	FLOA T	Inter Cell Intra BSC HO Drop Rate Distance	100 * ((({Siemens.Intra_BS C_handover_attempt_ KPIs.Attempts_HO_d ue_to_distance} - {Siemens.Intra_BSC_ handover_success_K PIs.Successful_HO_d ue_to_distance} - {Siemens.Intra_BSC_ handover_failure_KPI s.Failed_HO_due_to_ distance}))/ ({Siemens.Intra_BSC_ handover_attempt_K PIs.Attempts_HO_du e_to_distance}))	Average	Average, sectchbh
%_Drop_DL_q uality	PERCENT AGE	FLOA T	Inter Cell Intra BSC HO Drop Rate DL_Quality	100 * ((({Siemens.Intra_BS C_handover_attempt_ KPIs.Attempts_HO_d ue_to_DL_quality} - {Siemens.Intra_BSC_ handover_success_K PIs.Successful_HO_d ue_to_DL_quality} - {Siemens.Intra_BSC_ handover_failure_KPI s.Failed_HO_due_to_ DL_quality}))/ ({Siemens.Intra_BSC_ handover_attempt_K PIs.Attempts_HO_du e_to_DL_quality}))	Average	Average, sectchbh
_	PERCENT	FLOA	Inter Cell Intra	100 *	Average	Average,

%_Drop_DL_strength	AGE	T	BSC HO Drop Rate DL_Strength	((({Siemens.Intra_BS C_handover_attempt_ KPIs.Attempts_HO_d ue_to_DL_strength} - {Siemens.Intra_BSC_ handover_success_K PIs.Successful_HO_d ue_to_DL_strength} - {Siemens.Intra_BSC_ handover_failure_KPI s.Failed_HO_due_to_ DL_strength}))/ ({Siemens.Intra_BSC_ handover_attempt_K PIs.Attempts_HO_du e_to_DL_strength}))		sectchbh
_%_Drop_DTM	PERCENT AGE	FLOA T	Inter Cell Intra BSC HO Drop Rate DTM	100 * ((({Siemens.Intra_BS C_handover_attempt_ KPIs.Attempts_HO_d ue_to_DTM} - {Siemens.Intra_BSC_ handover_success_K PIs.Successful_HO_d ue_to_DTM} - {Siemens.Intra_BSC_ handover_failure_KPI s.Failed_HO_due_to_ DTM}))/ ({Siemens.Intra_BSC_ handover_attempt_K PIs.Attempts_HO_du e_to_DTM}))	Average	Average, sectchbh
_%_Drop_fast_UL	PERCENT AGE	FLOA T	Inter Cell Intra BSC HO Drop Rate Fast_UL	100 * ((({Siemens.Intra_BS C_handover_attempt_ KPIs.Attempts_HO_d ue_to_fast_UL} - {Siemens.Intra_BSC_ handover_success_K	Average	Average, sectchbh

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				$\frac{\text{PIs.Successful_HO_due_to_fast_UL}}{\{ \text{Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_fast_UL} \}} /$ $\left(\frac{\text{PIs.Successful_HO_due_to_fast_UL}}{\{ \text{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_fast_UL} \}} \right)$		
%_Drop_forced_OM	PERCENT AGE	FLOAT	Inter Cell Intra BSC HO Drop Rate Forced_OM	$100 * \frac{\{ \text{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_forced_OM} \} - \{ \text{Siemens.Intra_BSC_handover_success_KPIs.Successful_HO_due_to_forced_OM} \} - \{ \text{Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_forced_OM} \}}{\{ \text{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_forced_OM} \}}$	Average	Average, sectchbh
%_Drop_forced_preemption	PERCENT AGE	FLOAT	Inter Cell Intra BSC HO Drop Rate Forced_Preemption	$100 * \frac{\{ \text{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_forced_preempt} \} - \{ \text{Siemens.Intra_BSC_handover_success_KPIs.Successful_HO_due_to_forced_preempt} \} - \{ \text{Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_forced_preemption} \}}{\{ \text{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_forced_preemption} \}}$	Average	Average, sectchbh

				PIs.Attempts_HO_due_to_forced_preempt }))		
%_Drop_traffic	PERCENT AGE	FLOAT	Inter Cell Intra BSC HO Drop Rate Traffic	100 * (((Siemens.Intra_BS C_handover_attempt_ KPIs.Attempts_HO_d ue_to_traffic} - {Siemens.Intra_BSC_ handover_success_K PIs.Successful_HO_d ue_to_traffic} - {Siemens.Intra_BSC_ handover_failure_KPI s.Failed_HO_due_to_ traffic}))/ ({Siemens.Intra_BSC_ handover_attempt_K PIs.Attempts_HO_du e_to_traffic}))	Average	Average, sectchbh
%_Drop_UL_q uality	PERCENT AGE	FLOAT	Inter Cell Intra BSC HO Drop Rate UL Quality	100 * (((Siemens.Intra_BS C_handover_attempt_ KPIs.Attempts_HO_d ue_to_UL_quality} - {Siemens.Intra_BSC_ handover_success_K PIs.Successful_HO_d ue_to_UL_quality} - {Siemens.Intra_BSC_ handover_failure_KPI s.Failed_HO_due_to_ UL_quality}))/ ({Siemens.Intra_BSC_ handover_attempt_K PIs.Attempts_HO_du e_to_UL_quality}))	Average	Average, sectchbh
%_Drop_UL_st rength	PERCENT AGE	FLOAT	Inter Cell Intra BSC HO Drop Rate	100 * (((Siemens.Intra_BS C_handover_attempt_	Average	Average, sectchbh

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			UL_Strength	$\frac{\text{KPIs.Attempts_HO_due_to_UL_strength} - \{\text{Siemens.Intra_BSC_handover_success_KPIs.Successful_HO_due_to_UL_strength} - \{\text{Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_UL_strength}\}}}{(\{\text{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_UL_strength}\})}$		
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7.5.61 Cell.Siemens.GSM.Intra_BSC_handover_failure_KPIs

Intra BSC handover failure KPIs

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_Failure_better_cell	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Failure Rate Better_Cell	$100 * \frac{(\{\text{Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_better_cell}\})}{(\{\text{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_better_cell}\})}$	Average	Average, seccchbh, sectchbh
%_Failure_directed_retry	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Failure Rate Directed_Retry	$100 * \frac{(\{\text{Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_directed_retry}\})}{(\{\text{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_directed_retry}\})}$	Average	Average, seccchbh, sectchbh
%_Failure_distance	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Failure Rate Distance	$100 * (\{\text{Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_di}$	Average	Average, seccchbh, sectchbh

				stance}))/ ({Siemens.Intra_BSC_ handover_attempt_KPI s.Attempts_HO_due_to_ _distance}))		
%_Failure_DL_quality	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Failure Rate DL_Quality	100 * ({Siemens.Intra_BSC_ handover_failure_KPIs .Failed_HO_due_to_DL_ quality}))/ ({Siemens.Intra_BSC_ handover_attempt_KPI s.Attempts_HO_due_to_ _DL_quality}))	Average	Average, seccchbh , sectchbh
%_Failure_DL_strength	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Failure Rate DL_Strength	100 * ({Siemens.Intra_BSC_ handover_failure_KPIs .Failed_HO_due_to_DL_ strength}))/ ({Siemens.Intra_BSC_ handover_attempt_KPI s.Attempts_HO_due_to_ _DL_strength}))	Average	Average, seccchbh , sectchbh
%_Failure_DTM	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Failure Rate DTM	100 * {Siemens.Intra_BSC_h andover_failure_KPIs. Failed_HO_due_to_DTM} }/ {Siemens.Intra_BSC_h andover_attempt_KPIs. Attempts_HO_due_to_ DTM}	Average	Average, seccchbh , sectchbh
%_Failure_fast_UL	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Failure Rate Fast_UL	100 * ({Siemens.Intra_BSC_ handover_failure_KPIs .Failed_HO_due_to_fa st_UL}))/ ({Siemens.Intra_BSC_ handover_attempt_KPI	Average	Average, seccchbh , sectchbh

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				s.Attempts_HO_due_to_fast_UL}))		
%_Failure_forced_OM	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Failure Rate Forced_OM	100 * ({Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_forced_OM})/ ({Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_forced_OM})	Average	Average, seccchbh , sectchbh
%_Failure_forced_preemption	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Failure Rate Forced_Preemption	100 * ({Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_forced_preemption})/ ({Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_forced_preemption})	Average	Average, seccchbh , sectchbh
%_Failure_traffic	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Failure Rate Traffic	100 * ({Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_traffic})/ ({Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_traffic})	Average	Average, seccchbh , sectchbh
%_Failure_UL_quality	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Failure Rate UL_Quality	100 * ({Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_UL_quality})/ ({Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_UL_quality})	Average	Average, seccchbh , sectchbh
%_Failure_UL_strength	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Failure Rate UL_Strength	100 * ({Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_UL_strength})/	Average	Average, seccchbh , sectchbh

				({Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_UL_strength})		
Failed_HO_due_to_better_cell	ACCUMULATION	INTEGER	Failed Inter Cell Intra BSC HO Due To Better_Cell	SCANBTSOHOI_AGGREGATE.UNINHOIE_6	Sum	seccchbh , sectchbh, Sum
Failed_HO_due_to_directed_retry	ACCUMULATION	INTEGER	Failed Inter Cell Intra BSC HO Due To Directed_Retry	SCANBTSOHOI_AGGREGATE.UNINHOIE_7	Sum	seccchbh , sectchbh, Sum
Failed_HO_due_to_distance	ACCUMULATION	INTEGER	Failed Inter Cell Intra BSC HO Due To Distance	SCANBTSOHOI_AGGREGATE.UNINHOIE_5	Sum	seccchbh , sectchbh, Sum
Failed_HO_due_to_DL_quality	ACCUMULATION	INTEGER	Failed Inter Cell Intra BSC HO Due To DL_Quality	SCANBTSOHOI_AGGREGATE.UNINHOIE_2	Sum	seccchbh , sectchbh, Sum
Failed_HO_due_to_DL_strength	ACCUMULATION	INTEGER	Failed Inter Cell Intra BSC HO Due To DL_Strength	SCANBTSOHOI_AGGREGATE.UNINHOIE_4	Sum	seccchbh , sectchbh, Sum
Failed_HO_due_to_DTM	ACCUMULATION	INT8	Failed Inter Cell Intra BSC HO Due To DTM	SCANBTSOHOI_AGGREGATE.UNINHOIE_12	Sum	seccchbh , sectchbh, Sum
Failed_HO_due_to_fast_UL	ACCUMULATION	INTEGER	Failed Inter Cell Intra BSC HO Due To Fast_UL	SCANBTSOHOI_AGGREGATE.UNINHOIE_10	Sum	seccchbh , sectchbh, Sum

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Failed_HO_due_to_forced_OM	ACCUMULATION	INTEGER	Failed Inter Cell Intra BSC HO Due To Forced_OM	SCANBTSOHOI_AGGREGATE.UNINHOIE_8	Sum	seccchbh , sectchbh, Sum
Failed_HO_due_to_forced_preemption	ACCUMULATION	INTEGER	Failed Inter Cell Intra BSC HO Due To Forced_Preemption	SCANBTSOHOI_AGGREGATE.UNINHOIE_11	Sum	seccchbh , sectchbh, Sum
Failed_HO_due_to_traffic	ACCUMULATION	INTEGER	Failed Inter Cell Intra BSC HO Due To Traffic	SCANBTSOHOI_AGGREGATE.UNINHOIE_9	Sum	seccchbh , sectchbh, Sum
Failed_HO_due_to_UL_quality	ACCUMULATION	INTEGER	Failed Inter Cell Intra BSC HO Due To UL_Quality	SCANBTSOHOI_AGGREGATE.UNINHOIE_1	Sum	seccchbh , sectchbh, Sum
Failed_HO_due_to_UL_strength	ACCUMULATION	INTEGER	Failed Inter Cell Intra BSC HO Due To UL_Strength	SCANBTSOHOI_AGGREGATE.UNINHOIE_3	Sum	seccchbh , sectchbh, Sum

7.5.62 Cell.Siemens.GSM.Intra_BSC_handover_success_KPIs

Intra BSC handover success KPIs

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_Successful_better_cell	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Success Rate Better_Cell	$100 * \frac{(\text{Siemens.Intra_BSC_handover_success_KPIs.Successful_HO_due_to_better_cell})}{(\text{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_better_cell})}$	Average	Average, seccchbh , sectchbh

%_Successful_ directed_retry	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Success Rate Directed_Retry	100 * ({Siemens.Intra_BSC_ handover_success_KPI s.Successful_HO_due_ to_directed_retry})/ ({Siemens.Intra_BSC_ handover_attempt_K PIs.Attempts_HO_due_ to_directed_retry}))	Average	Average, seccchbh , sectchbh
%_Successful_ distance	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Success Rate Distance	100 * ({Siemens.Intra_BSC_ handover_success_KPI s.Successful_HO_due_ to_distance})/ ({Siemens.Intra_BSC_ handover_attempt_K PIs.Attempts_HO_due_ to_distance}))	Average	Average, seccchbh , sectchbh
%_Successful_ DL_quality	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Success Rate DL_Quality	100 * ({Siemens.Intra_BSC_ handover_success_KPI s.Successful_HO_due_ to_DL_quality})/ ({Siemens.Intra_BSC_ handover_attempt_K PIs.Attempts_HO_due_ to_DL_quality}))	Average	Average, seccchbh , sectchbh
%_Successful_ DL_strength	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Success Rate DL_Strength	100 * ({Siemens.Intra_BSC_ handover_success_KPI s.Successful_HO_due_ to_DL_strength})/ ({Siemens.Intra_BSC_ handover_attempt_K PIs.Attempts_HO_due_ to_DL_strength}))	Average	Average, seccchbh , sectchbh
%_Successful_ DTM	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Success	100 * ({Siemens.Intra_BSC_ handover_success_KPI	Average	Average, seccchbh ,

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			Rate DTM	$\frac{s.Successful_HO_due_to_DTM}{(\{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_DTM\})}$		sectchbh
%_Successful_fast_UL	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Success Rate Fast_UL	$100 * \frac{(\{Siemens.Intra_BSC_handover_success_KPIs.Successful_HO_due_to_fast_UL\})}{(\{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_fast_UL\})}$	Average	Average, seccchbh , sectchbh
%_Successful_forced_OM	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Success Rate Forced_OM	$100 * \frac{(\{Siemens.Intra_BSC_handover_success_KPIs.Successful_HO_due_to_forced_OM\})}{(\{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_forced_OM\})}$	Average	Average, seccchbh , sectchbh
%_Successful_forced_preemption	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Success Rate Forced_Preemption	$100 * \frac{(\{Siemens.Intra_BSC_handover_success_KPIs.Successful_HO_due_to_forced_preempt\})}{(\{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_forced_preempt\})}$	Average	Average, seccchbh , sectchbh
%_Successful_traffic	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Success Rate Traffic	$100 * \frac{(\{Siemens.Intra_BSC_handover_success_KPIs.Successful_HO_due_to_traffic\})}{(\{Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_traffic\})}$	Average	Average, seccchbh , sectchbh
_	PERCENTAGE	FLOAT	Inter Cell	100 *	Average	Average,

%_Successful_UL_quality	GE	T	Intra BSC HO Success Rate UL_Quality	{Siemens.Intra_BSC_ handover_success_KPI s.Successful_HO_due_ to_UL_quality})/ ({Siemens.Intra_BSC_ handover_attempt_K PIs.Attempts_HO_due_ to_UL_quality})		seccchbh , sectchbh
%_Successful_UL_strength	PERCENTAGE	FLOAT	Inter Cell Intra BSC HO Success Rate UL_Strength	100 * {Siemens.Intra_BSC_ handover_success_KPI s.Successful_HO_due_ to_UL_strength})/ ({Siemens.Intra_BSC_ handover_attempt_K PIs.Attempts_HO_due_ to_UL_strength})	Average	Average, seccchbh , sectchbh
Successful_HO_due_to_better_cell	ACCUMULATION	INTEGER	Successful Inter Cell Intra BSC HO Due To Better_Cell	SCANBTSOHOI_AG GREGATE.SOUINIR H_6 + SOUINIRH_18 + SOUINIRH_30 + SOUINIRH_42	Sum	seccchbh , sectchbh, Sum
Successful_HO_due_to_directed_retry	ACCUMULATION	INTEGER	Successful Inter Cell Intra BSC HO Due To Directed_Retry	SCANBTSOHOI_AG GREGATE.SOUINIR H_7 + SOUINIRH_19 + SOUINIRH_31 + SOUINIRH_43	Sum	seccchbh , sectchbh, Sum
Successful_HO_due_to_distance	ACCUMULATION	INTEGER	Successful Inter Cell Intra BSC HO Due To Distance	SCANBTSOHOI_AG GREGATE.SOUINIR H_5 + SOUINIRH_17 + SOUINIRH_29 + SOUINIRH_41	Sum	seccchbh , sectchbh, Sum
Successful_HO_due_to_DL_quality	ACCUMULATION	INTEGER	Successful Inter Cell Intra BSC HO Due To DL_Quality	SCANBTSOHOI_AG GREGATE.SOUINIR H_2 + SOUINIRH_14 + SOUINIRH_26 + SOUINIRH_38	Sum	seccchbh , sectchbh, Sum

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Successful_HO _due_to_DL_strength	ACCUMULATION	INTEGER	Successful Inter Cell Intra BSC HO Due To DL_Strength	SCANBTSOHOI_AG GREGATE.SOUINIR H_4 + SOUINIRH_16 + SOUINIRH_28 + SOUINIRH_40	Sum	seccchbh , sectchbh, Sum
Successful_HO _due_to_DTM	ACCUMULATION	INT8	Successful Inter Cell Intra BSC HO Due To DTM	SCANBTSOHOI_AG GREGATE.SOUINIR H_12 + SOUINIRH_24 + SOUINIRH_36 + SOUINIRH_48	Sum	seccchbh , sectchbh, Sum
Successful_HO _due_to_fast_ UL	ACCUMULATION	INTEGER	Successful Inter Cell Intra BSC HO Due To Fast_UL	SCANBTSOHOI_AG GREGATE.SOUINIR H_10 + SOUINIRH_22 + SOUINIRH_34 + SOUINIRH_46	Sum	seccchbh , sectchbh, Sum
Successful_HO _due_to_force d_OM	ACCUMULATION	INTEGER	Successful Inter Cell Intra BSC HO Due To Forced_OM	SCANBTSOHOI_AG GREGATE.SOUINIR H_8 + SOUINIRH_20 + SOUINIRH_32 + SOUINIRH_44	Sum	seccchbh , sectchbh, Sum
Successful_HO _due_to_force d_preempt	ACCUMULATION	INTEGER	Successful Inter Cell Intra BSC HO Due To Forced_Pree mption	SCANBTSOHOI_AG GREGATE.SOUINIR H_11 + SOUINIRH_23 + SOUINIRH_35 + SOUINIRH_47	Sum	seccchbh , sectchbh, Sum
Successful_HO _due_to_traffic	ACCUMULATION	INTEGER	Successful Inter Cell Intra BSC HO Due To Traffic	SCANBTSOHOI_AG GREGATE.SOUINIR H_9 + SOUINIRH_21 + SOUINIRH_33 + SOUINIRH_45	Sum	seccchbh , sectchbh, Sum
Successful_HO _due_to_UL_q uality	ACCUMULATION	INTEGER	Successful Inter Cell Intra BSC HO Due To UL_Quality	SCANBTSOHOI_AG GREGATE.SOUINIR H_1 + SOUINIRH_13 + SOUINIRH_25 + SOUINIRH_37	Sum	seccchbh , sectchbh, Sum
Successful_HO _due_to_UL_strength	ACCUMULATION	INTEGER	Successful Inter Cell Intra BSC	SCANBTSOHOI_AG GREGATE.SOUINIR H_3 + SOUINIRH_15	Sum	seccchbh , sectchbh,

			HO Due To UL_Strength	+ SOUINIRH_27 + SOUINIRH_39		Sum
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7.5.63 Cell.Siemens.GSM.Intracell_Handover_compression

Intracell Handover

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Successful_compression_HO	ACCUMULATION	INTEGER	*Moved to Intracell_Handover group in BR10*; Successful compression handover from FR/EFR to HR	SCANBTS.SINTHITA_13	Sum	seclcbh, seclctbh, sectchbh, Sum
Successful_decompression_HO	ACCUMULATION	INTEGER	*Moved to Intracell_Handover group in BR10*; Successful Decompression handover from HR to FR/EFR	SCANBTS.SINTHITA_14	Sum	seclcbh, seclctbh, sectchbh, Sum
Unsuccessful_compression_HO	ACCUMULATION	INTEGER	*Moved to Intracell_Handover group in BR10*; Unsuccessful Compression handover from FR/EFR to HR	SCANBTS.UNINHODIA_13	Sum	seclcbh, seclctbh, sectchbh, Sum
Unsuccessful_decompression_HO	ACCUMULATION	INTEGER	*Moved to Intracell_Handover group in BR10*;	SCANBTS.UNINHODIA_14	Sum	seclcbh, seclctbh, sectchbh,

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			Unsuccessful Decompression handover from HR to FR/EFR			Sum
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7.5.64 Cell.Siemens.GSM.Intracell_Handover

Cell related Intracell Handover measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_Dist_AFS_WFS	PERCENTAGE	FLOAT	Intra_Cell_Handover_Dist_AFS_WFS	$100 * \frac{(\{\text{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_TCHAFS_to_TCHWFS}\})}{(\{\text{ho_Dist_denom}\})}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
%_Dist_AMR_FR	PERCENTAGE	FLOAT	Intra_Cell_HO_Dist_AMR_FR	$100 * \frac{(\{\text{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_AMR_FULL_RATE}\})}{(\{\text{ho_Dist_denom}\})}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
%_Dist_AMR_HR	PERCENTAGE	FLOAT	Intra_Cell_HO_Dist_AMR_HR	$100 * \frac{(\{\text{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_AMR_HALF_RATE}\})}{(\{\text{ho_Dist_denom}\})}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
%_Dist_Complete_To_Inner	PERCENTAGE	FLOAT	Intra_Cell_HO_Dist_Complete_To_Inner	$100 * \frac{(\{\text{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_COMPLETE_TO_INNER_AREA}\})}{(\{\text{ho_Dist_denom}\})}$	Average	Average, seccchbh, secrctbh, sectchbh,

)/({ho_Dist_denom})		sectchfrbh
%_Dist_DL_quality	PERCENTAGE	FLOAT	Intra_Cell_HO_Dist_DL_Quality	100 * ({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_DOWNLINK_QUALITY})/ ({ho_Dist_denom})	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
%_Dist_Enhanced_Pairing	PERCENTAGE	FLOAT	Intra_Cell_HO_Dist_Enhanced_Pairing	100 * ({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_ENHANCED_PAIRING})/ ({ho_Dist_denom})	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
%_Dist_Far_To_Near	PERCENTAGE	FLOAT	Intra_Cell_HO_Dist_Far_To_Near	100 * ({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_FAR_TO_NEAR_AREA})/ ({ho_Dist_denom})	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
%_Dist_FR_HR	PERCENTAGE	FLOAT	Intra_Cell_Handover_Dist_FR_HR	100 * ({Siemens.Intracell_Handover.Attempts_compression_FR_to_HR})/ ({ho_Dist_denom})	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
%_Dist_HR_FR	PERCENTAGE	FLOAT	Intra_Cell_Handover_Dist_HR_FR	100 * ({Siemens.Intracell_Handover.Attempts_decompression_HR_t	Average	seccchbh, secrctbh,

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				o_FR}))/ ({ho_Dist_denom})		sectchbh, sectchfrb h
%_Dist_inner_ To_Complete	PERCENTA GE	FLOA T	Intra_Cell_HO _Dist_inner_T o_Complete	100 * ({Siemens.Intracell_ Handover.ATTEMPT ED_INTRA_HO_DU E_TO_INNER_TO_ COMPLETE_AREA }))/ ({ho_Dist_denom})	Average	Average, secccchbh , seclctbh , sectchbh, sectchfrb h
%_Dist_Mainte nance	PERCENTA GE	FLOA T	Intra_Cell_HO _Dist_Mainten ance	100 * ({Siemens.Intracell_ Handover.ATTEMPT ED_INTRA_HO_DU E_TO_MAINTENA NCE}))/ ({ho_Dist_denom})	Average	Average, secccchbh , seclctbh , sectchbh, sectchfrb h
%_Dist_Multis lots	PERCENTA GE	FLOA T	Intra_Cell_HO _Dist_Multisl ots	100 * ({Siemens.Intracell_ Handover.ATTEMPT ED_INTRA_HO_DU E_TO_MULTISLOT S}))/ ({ho_Dist_denom})	Average	Average, secccchbh , seclctbh , sectchbh, sectchfrb h
%_Dist_Near_ To_Far	PERCENTA GE	FLOA T	Intra_Cell_HO _Dist_Near_T o_Far	100 * ({Siemens.Intracell_ Handover.ATTEMPT ED_INTRA_HO_DU E_TO_NEAR_TO_F AR_AREA}))/ ({ho_Dist_denom})	Average	Average, secccchbh , seclctbh , sectchbh, sectchfrb h
%_Dist_NHS_ WFS	PERCENTA GE	FLOA T	Intra_Cell_Ha ndover_Dist_ NHS_WFS	100 * ({Siemens.Intracell_ Handover.ATTEMPT ED_INTRA_HO_TC HNHS_to_TCHWFS }))/ ({ho_Dist_denom})	Average	secccchbh , seclctbh , sectchbh, sectchfrb h

%_Dist_Preferred_TRX	PERCENTAGE	FLOAT	Intra_Cell_HO_Dist_Preferred_TRX	$100 * \frac{(\{\text{Siemens.Intracell_Handover.ATEMPTED_INTRA_HO_DU_TO_PREFERRED_TRX}\})}{(\{\text{ho_Dist_denom}\})}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
%_Dist_UL_quality	PERCENTAGE	FLOAT	Intra_Cell_HO_Dist_UL_Quality	$100 * \frac{(\{\text{Siemens.Intracell_Handover.ATEMPTED_INTRA_HO_DU_TO_UPLINK_QUALITY}\})}{(\{\text{ho_Dist_denom}\})}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
%_Dist_WFS_AFS	PERCENTAGE	FLOAT	Intra_Cell_Handover_Dist_WFS_AFS	$100 * \frac{(\{\text{Siemens.Intracell_Handover.ATEMPTED_INTRA_HO_TCHWFS_to_TCHAFS}\})}{(\{\text{ho_Dist_denom}\})}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
%_Dist_WFS_NHS	PERCENTAGE	FLOAT	Intra_Cell_Handover_Dist_WFS_NHS	$100 * \frac{(\{\text{Siemens.Intracell_Handover.ATEMPTED_INTRA_HO_TCHWFS_to_TCHNHS}\})}{(\{\text{ho_Dist_denom}\})}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
%_Dropped_AFS_WFS	PERCENTAGE	FLOAT	Intra_Cell_Handover_Dropped_AFS_WFS	$100 * \frac{(\{\text{Siemens.Intracell_Handover.ATEMPTED_INTRA_HO_TCHAFS_to_TCHWFS}\}) - (\{\text{Siemens.Intracell_H}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh

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				$\frac{\text{andover.SUCCESSFUL_INTRA_HO_from_TCHAFS_to_TCHWFS}}{\left(\frac{\text{\{Siemens.Intracell_Handover.FAILED_HO_from_TCHAFS_to_TCHWFS\}}}{\text{\{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_TCHAFS_to_TCHWFS\}}} \right)}$		h
%_Dropped_AMR_FR	PERCENTAGE	FLOAT	Intra_Cell_HO_Drop_Rate_AMR_Fr	$100 * \frac{\left(\frac{\text{\{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_AMR_FULLRATE\}}}{\text{\{Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_TO_AMR_FULLRATE\}}} \right) - \left(\frac{\text{\{Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_AMR_FULLRATE\}}}{\text{\{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_AMR_FULLRATE\}}} \right)}{\left(\frac{\text{\{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_AMR_FULLRATE\}}}{\text{\{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_AMR_FULLRATE\}}} \right)}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
%_Dropped_AMR_HR	PERCENTAGE	FLOAT	Intra_Cell_HO_Drop_Rate_AMR_HR	$100 * \frac{\left(\frac{\text{\{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_AMR_HALFRATE\}}}{\text{\{Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_TO_AMR_HALFRATE\}}} \right) - \left(\frac{\text{\{Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_TO_AMR_HALFRATE\}}}{\text{\{Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_TO_AMR_HALFRATE\}}} \right)}{\left(\frac{\text{\{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_AMR_HALFRATE\}}}{\text{\{Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_TO_AMR_HALFRATE\}}} \right)}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh

				{Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_AMR_HALFRATE}})/ ({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_AMR_HALFRATE})		
%_Dropped_Complete_To_inner	PERCENTAGE	FLOAT	Intra_Cell_HO_Drop_Rate_Complete_To_inner	100 * ((({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_COMPLETE_TO_INNER_AREA} - {Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_TO_COMPLETE_TO_INNER_AREA}- {Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_COMPLETE_TO_INNER_AREA}))/ ({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_COMPLETE_TO_INNER_AREA})	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrbh
%_Dropped_DL_quality	PERCENTAGE	FLOAT	Intra_Cell_HO_Drop_Rate_DL_Quality	100 * ((({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_DOWNLINK_QUALITY}- {Siemens.Intracell_H	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrbh

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				$\frac{\text{andover.SUCCESSFUL_INTRA_HO_DUE_TO_DOWNLINK_QUALITY}}{\{ \text{Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_DOWNLINK_QUALITY} \}} / \{ \text{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_DOWNLINK_QUALITY} \}$		h
%_Dropped_Enhanced_Pairing	PERCENTAGE	FLOAT	Intra_Cell_HO_Drop_Rate_Enhanced_Pairing	$100 * \frac{((\{ \text{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_ENHANCED_PAIRING} \} - \{ \text{Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_TO_ENHANCED_PAIRING} \} - \{ \text{Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_ENHANCED_PAIRING} \}))}{\{ \text{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_ENHANCED_PAIRING} \}}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
%_Dropped_Far_To_Near	PERCENTAGE	FLOAT	Intra_Cell_HO_Drop_Rate_Far_To_Near	$100 * \frac{((\{ \text{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_FAR_TO_NEAR_AREA} \} - \{ \text{Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_TO_FAR_TO_NEAR_AREA} \} - \{ \text{Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_FAR_TO_NEAR_AREA} \}))}{\{ \text{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_FAR_TO_NEAR_AREA} \}}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh

				R_AREA}- {Siemens.Intracell_H andover.FAILED_IN TRA_HO_DUE_TO _FAR_TO_NEAR_A _AREA}))/ ({Siemens.Intracell_ Handover.ATTEMPT ED_INTRA_HO_DU E_TO_FAR_TO_NE AR_AREA})		
%_Dropped_FR_HR	PERCENTAGE	FLOAT	Intra_Cell_Handover_Dropped_FR_HR	100 * ((({Siemens.Intracell_ Handover.Attempts_c ompression_FR_to_ HR}- {Siemens.Intracell_H andover.Successful_c ompression_HO}- {Siemens.Intracell_H andover.Unsuccessful_ compression_HO}))) / ({Siemens.Intracell_ Handover.Attempts_c ompression_FR_to_ HR})	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrbh
%_Dropped_HR_FR	PERCENTAGE	FLOAT	Intra_Cell_Handover_Dropped_HR_FR	100 * ((({Siemens.Intracell_ Handover.Attempts_ decompression_HR_t o_FR}- {Siemens.Intracell_H andover.Successful_d ecompression_HO}- {Siemens.Intracell_H andover.Unsuccessful_ compression_HO}))) / ({Siemens.Intracell_ Handover.Attempts_ decompression_HR_t o_FR})	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrbh

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				Handover.Attempts_decompression_HR_to_FR}))		
%_Dropped_inner_To_Complete	PERCENTAGE	FLOAT	Intra_Cell_HO_Drop_Rate_inner_To_Complete	$100 * \frac{((\{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_INNER_TO_COMPLETE_AREA\} - \{Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_TO_INNER_TO_COMPLETE_AREA\} - \{Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_INNER_TO_COMPLETE_AREA\}))}{(\{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_INNER_TO_COMPLETE_AREA\})}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
%_Dropped_Maintenance	PERCENTAGE	FLOAT	Intra_Cell_HO_Drop_Rate_Maintenance	$100 * \frac{((\{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_MAINTENANCE\} - \{Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_TO_MAINTENANCE\} - \{Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_MAINTENANCE\}))}{(\{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_MAINTENANCE\})}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh

				E_TO_MAINTENANCE))		
%_Dropped_Multislots	PERCENTAGE	FLOAT	Intra_Cell_HO_Drop_Rate_Multislots	$100 * \frac{((\{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_MULTISLOTS\} - \{Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_TO_MULTISLOTS\} - \{Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_MULTISLOTS\}))}{(\{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_MULTISLOTS\})}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
%_Dropped_Near_To_far	PERCENTAGE	FLOAT	Intra_Cell_HO_Drop_Rate_Near_To_far	$100 * \frac{((\{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_NEAR_TO_FAR_AREA\} - \{Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_TO_NEAR_TO_FAR_AREA\} - \{Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_NEAR_TO_FAR_AREA\}))}{(\{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_NEAR_TO_FAR_AREA\})}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh

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				ED_INTRA_HO_DUE_TO_NEAR_TO_FAR_AREA}))		
%_Dropped_NHS_WFS	PERCENTAGE	FLOAT	Intra_Cell_Handover_Dropped_NHS_WFS	100 * (({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_TCHNHS_to_TCHWFS})- {Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_from_TCHNHS_to_TCHWFS})- {Siemens.Intracell_Handover.FAILED_HO_from_TCHNHS_to_TCHWFS}))/ ({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_TCHNHS_to_TCHWFS}))	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
%_Dropped_Preferred_TRX	PERCENTAGE	FLOAT	Intra_Cell_HO_Drop_Rate_Preferred_TRX	100 * (({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_PREFERRED_TRX})- {Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_TO_PREFERRED_TRX})- {Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_PREFERRED_TRX}))/ ({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_PREFERRED_TRX}))	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh

%_Dropped_UL_quality	PERCENTAGE	FLOAT	Intra_Cell_HO_Drop_Rate_UL_Quality	$100 * \frac{((\{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_UPLINK_QUALITY\} - \{Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_TO_UPLINK_QUALITY\} - \{Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_UPLINK_QUALITY\}))}{(\{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_UPLINK_QUALITY\})}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
%_Dropped_WFS_AFS	PERCENTAGE	FLOAT	Intra_Cell_Handover_Dropped_WFS_AFS	$100 * \frac{((\{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_TCHWFS_to_TCHAFS\} - \{Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_from_TCHWFS_to_TCHAFS\} - \{Siemens.Intracell_Handover.FAILED_HO_from_TCHWFS_to_TCHAFS\}))}{(\{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_TCHWFS_to_TCHAFS\})}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh

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%_Dropped_WFS_NHS	PERCENTAGE	FLOAT	Intra_Cell_Handover_Dropped_WFS_NHS	$100 * \frac{((\{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_TCHWFS_to_TCHNHS\} - \{Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_from_TCHWFS_to_TCHNHS\} - \{Siemens.Intracell_Handover.FAILED_HO_from_TCHWFS_to_TCHNHS\}))}{(\{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_TCHWFS_to_TCHNHS\})}$	Average	Average, seccchbh, seclctbh, sectchbh, sectchfrbh
%_Failed_AFS_WFS	PERCENTAGE	FLOAT	Intra_Cell_Handover_Failed_AFS_WFS	$100 * \frac{(\{Siemens.Intracell_Handover.FAILED_HO_from_TCHAFS_to_TCHWFS\})}{(\{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_TCHAFS_to_TCHWFS\})}$	Average	Average, seccchbh, seclctbh, sectchbh, sectchfrbh
%_Failed_AMR_FR	PERCENTAGE	FLOAT	Intra_Cell_HO_Failure_Rate_AMR_FR	$100 * \frac{(\{Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_AMR_FULLRATE\})}{(\{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_AMR_FULLRATE\})}$	Average	Average, seccchbh, seclctbh, sectchbh, sectchfrbh
%_Failed_AMR_HR	PERCENTAGE	FLOAT	Intra_Cell_HO_Failure_Rate_AMR_HR	$100 * (\{Siemens.Intracell_Handover.FAILED_I$	Average	Average, seccchbh,

				NTRA_HO_DUE_T O_AMR_HALFRAT E})/ ({Siemens.Intracell_ Handover.ATTEMPT ED_INTRA_HO_DU E_TO_AMR_HALF RATE})		seclctbh , sectchbh, sectchfrb h
%_Failed_com plete_to_inner	PERCENTA GE	FLOA T	Intra_Cell_HO _Failure_Rate _Complete_To _inner	100 * ({Siemens.Intracell_ Handover.FAILED_I NTRA_HO_DUE_T O_COMPLETE_TO _INNER_AREA})/ ({Siemens.Intracell_ Handover.ATTEMPT ED_INTRA_HO_DU E_TO_COMPLETE_ TO_INNER_AREA})	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrb h
%_Failed_DL_ quality	PERCENTA GE	FLOA T	Intra_Cell_HO _Failure_Rate _DL_Quality	100 * ({Siemens.Intracell_ Handover.FAILED_I NTRA_HO_DUE_T O_DOWNLINK_QU ALITY})/ ({Siemens.Intracell_ Handover.ATTEMPT ED_INTRA_HO_DU E_TO_DOWNLINK_ _QUALITY})	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrb h
%_Failed_enh anced_pairing	PERCENTA GE	FLOA T	Intra_Cell_HO _Failure_Rate _enhanced_pai ring	100 * ({Siemens.Intracell_ Handover.FAILED_I NTRA_HO_DUE_T O_ENHANCED_PA IRING})/ ({Siemens.Intracell_ Handover.ATTEMPT ED_INTRA_HO_DU	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrb h

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				E_TO_ENHANCED_PAIRING))		
%_Failed_far_to_near	PERCENTAGE	FLOAT	Intra_Cell_HO_Failure_Rate_Far_To_Near	100 * ({Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_O_FAR_TO_NEAR_AREA})/ ({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_FAR_TO_NEAR_AREA}))	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrbh
%_Failed_FR_HR	PERCENTAGE	FLOAT	Intra_Cell_Handover_Failed_FR_HR	100 * ({Siemens.Intracell_Handover.Unsuccessful_compression_HO})/ ({Siemens.Intracell_Handover.Attempts_compression_FR_to_HR}))	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrbh
%_Failed_HR_FR	PERCENTAGE	FLOAT	Intra_Cell_Handover_Failed_HR_FR	100 * ({Siemens.Intracell_Handover.Unsuccessful_decompression_HO})/ ({Siemens.Intracell_Handover.Attempts_decompression_HR_to_FR}))	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrbh
%_Failed_inner_to_complete	PERCENTAGE	FLOAT	Intra_Cell_HO_Failure_Rate_inner_To_Complete	100 * ({Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_O_INNER_TO_COMPLETE_AREA})/ ({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_INNER_TO_COMPLETE_AREA}))	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrbh

%_Failed_maintenance	PERCENTAGE	FLOAT	Intra_Cell_HO_Failure_Rate_Maintenance	100 * ({Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_MAINTENANCE})/ ({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_MAINTENANCE}))	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrbh
%_Failed_multislots	PERCENTAGE	FLOAT	Intra_Cell_HO_Failure_Rate_Multislots	100 * ({Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_MULTISLOTS})/ ({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_MULTISLOTS}))	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrbh
%_Failed_near_no_far	PERCENTAGE	FLOAT	Intra_Cell_HO_Failure_Rate_Near_To_far	100 * ({Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_NEAR_TO_FAR_AREA})/ ({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_NEAR_TO_FAR_AREA}))	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrbh
%_Failed_NHS_WFS	PERCENTAGE	FLOAT	Intra_Cell_Handover_Failed_NHS_WFS	100 * ({Siemens.Intracell_Handover.FAILED_HO_from_TCHNHS_to_TCHWFS})/ ({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_TC	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrbh

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				HNHS_to_TCHWFS })		
%_Failed_preferred_TRX	PERCENTAGE	FLOAT	Intra_Cell_HO_Failure_Rate_preferred_trx	100 * ({Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_O_PREFERRED_TRX})/ ({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_PREFERRED_TRX})	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrbh
%_Failed_UL_quality	PERCENTAGE	FLOAT	Intra_Cell_HO_Failure_Rate_UL_Quality	100 * ({Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_O_UPLINK_QUALITY})/ ({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_UPLINK_QUALITY})	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrbh
%_Failed_WFS_AFS	PERCENTAGE	FLOAT	Intra_Cell_Handover_Failed_WFS_AFS	100 * ({Siemens.Intracell_Handover.FAILED_HO_from_TCHWFS_to_TCHAFS})/ ({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_TCHWFS_to_TCHAFS})	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrbh
%_Failed_WFS_NHS	PERCENTAGE	FLOAT	Intra_Cell_Handover_Failed_WFS_NHS	100 * ({Siemens.Intracell_Handover.FAILED_HO_from_TCHWFS_to_TCHNHS})/ ({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_TCHWFS_to_TCHNHS})	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrbh

				})		
%_Successful_AFS_WFS	PERCENTAGE	FLOAT	Intra_Cell_Handover_Successful_AFS_WFS	$100 * \frac{({\text{Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_from_TCHAFS_to_TCHWFS}})}{({\text{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_TCHAFS_to_TCHWFS}})}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
%_Successful_AMR_FR	PERCENTAGE	FLOAT	Intra_Cell_HO_Success_Rate_AMR_Fr	$100 * \frac{({\text{Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_TO_AMR_FULL_RATE}})}{({\text{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_AMR_FULL_RATE}})}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
%_Successful_AMR_HR	PERCENTAGE	FLOAT	Intra_Cell_HO_Success_Rate_AMR_HR	$100 * \frac{({\text{Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_TO_AMR_HALF_RATE}})}{({\text{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_AMR_HALF_RATE}})}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
%_Successful_complete_to_inner	PERCENTAGE	FLOAT	Intra_Cell_HO_Success_Rate_Complete_To_inner	$100 * \frac{({\text{Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_TO_COMPLETE_}})}$	Average	Average, seccchbh, secrctbh,

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				TO_INNER_AREA})/ ({Siemens.Intracell_ Handover.ATTEMPT ED_INTRA_HO_DU E_TO_COMPLETE_ TO_INNER_AREA})		sectchbh, sectchfrb h
%_Successful_ DL_quality	PERCENTA GE	FLOA T	Intra_Cell_HO _Success_Rate _DL_Quality	100 * ({Siemens.Intracell_ Handover.SUCCESF UL_INTRA_HO_DU E_TO_DOWNLINK _QUALITY})/ ({Siemens.Intracell_ Handover.ATTEMPT ED_INTRA_HO_DU E_TO_DOWNLINK _QUALITY})	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrb h
%_Successful_ enhanced_pairi ng	PERCENTA GE	FLOA T	Intra_Cell_HO _Success_Rate _enhanced_pai ring	100 * ({Siemens.Intracell_ Handover.SUCCESF UL_INTRA_HO_DU E_TO_ENHANCED _PAIRING})/ ({Siemens.Intracell_ Handover.ATTEMPT ED_INTRA_HO_DU E_TO_ENHANCED _PAIRING})	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrb h
%_Successful_ far_to_near	PERCENTA GE	FLOA T	Intra_Cell_HO _Success_Rate _Far_To_Near	100 * ({Siemens.Intracell_ Handover.SUCCESF UL_INTRA_HO_DU E_TO_FAR_TO_NE AR_AREA})/ ({Siemens.Intracell_ Handover.ATTEMPT ED_INTRA_HO_DU E_TO_FAR_TO_NE AR_AREA})	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrb h
%_Successful_	PERCENTA GE	FLOA T	Intra_Cell_Ha ndover_Succe	100 * ({Siemens.Intracell_	Average	Average, seccchbh

FR_HR			ssful_FR_HR	Handover.Successful _compression_HO})/ ({Siemens.Intracell_ Handover.Attempts_c ompression_FR_to_ HR})		, seclctbh , sectchbh, sectchfrb h
%_Successful_ HR_FR	PERCENTA GE	FLOA T	Intra_Cell_Ha ndover_Succe ssful_HR_FR	100 * ({Siemens.Intracell_ Handover.Successful_ decompression_HO })/ ({Siemens.Intracell_ Handover.Attempts_ decompression_HR_t o_FR})	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrb h
%_Successful_ inner_to_compl ete	PERCENTA GE	FLOA T	Intra_Cell_HO _Success_Rate _inner_To_Co mplete	100 * ({Siemens.Intracell_ Handover.SUCCESE UL_INTRA_HO_DU E_TO_INNER_TO_ COMPLETE_AREA })/ ({Siemens.Intracell_ Handover.ATTEMPT ED_INTRA_HO_DU E_TO_INNER_TO_ COMPLETE_AREA })	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrb h
%_Successful_ maintenance	PERCENTA GE	FLOA T	Intra_Cell_HO _Success_Rate _Maintenance	100 * ({Siemens.Intracell_ Handover.SUCCESE UL_INTRA_HO_DU E_TO_MAINTENA NCE})/ ({Siemens.Intracell_ Handover.ATTEMPT ED_INTRA_HO_DU E_TO_MAINTENA NCE})	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrb h

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%_Successful_multislots	PERCENTAGE	FLOAT	Intra_Cell_HO_Success_Rate_Multislots	$100 * \frac{(\{\text{Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_TO_MULTISLOTS}\})}{(\{\text{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_MULTISLOTS}\})}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
%_Successful_near_to_far	PERCENTAGE	FLOAT	Intra_Cell_HO_Success_Rate_Near_To_far	$100 * \frac{(\{\text{Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_TO_NEAR_TO_FAR_AREA}\})}{(\{\text{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_NEAR_TO_FAR_AREA}\})}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
%_Successful_NHS_WFS	PERCENTAGE	FLOAT	Intra_Cell_Handover_Successful_NHS_WFS	$100 * \frac{(\{\text{Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_from_TCHNHS_to_TCHWFS}\})}{(\{\text{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_TCHNHS_to_TCHWFS}\})}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
%_Successful_preferred_TRX	PERCENTAGE	FLOAT	Intra_Cell_HO_Success_Rate_Prefered_trx	$100 * \frac{(\{\text{Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_TO_PREFERRED_TRX}\})}{(\{\text{Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_PREFERRED_TRX}\})}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh

%_Successful_UL_quality	PERCENTAGE	FLOAT	Intra_Cell_HO_Success_Rate_UL_Quality	100 * ({Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_TO_UPLINK_QUALITY})/ ({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_UPLINK_QUALITY})	Average	Average, seccchbh , secrctbh , sectchbh, sectchfrbh
%_Successful_WFS_AFS	PERCENTAGE	FLOAT	Intra_Cell_Handover_Successful_WFS_AFS	100 * ({Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_from_TCHWFS_to_TCHAFS})/ ({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_TCHWFS_to_TCHAFS})	Average	Average, seccchbh , secrctbh , sectchbh, sectchfrbh
%_Successful_WFS_NHS	PERCENTAGE	FLOAT	Intra_Cell_Handover_Successful_WFS_NHS	100 * ({Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_from_TCHWFS_to_TCHNHS})/ ({Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_TCHWFS_to_TCHNHS})	Average	Average, seccchbh , secrctbh , sectchbh, sectchfrbh
ATTEMPTED_INTRA_HO_DUE_TO_AMR_FULLRATE	ACCUMULATION	INT8	Attempted Internal Handovers, Intracell, TCH/H to TCH/F due to AMR	SCANBTS.ATINHIAAC_9	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh , Sum

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ATTEMPTED _INTRA_HO_ DUE_TO_AM R_HALFRAT E	ACCUMULA TION	INT8	Attempted Internal Handovers, Intracell, TCH/F to TCH/H due to AMR	SCANBTS.ATINHI AC_8	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
ATTEMPTED _INTRA_HO_ DUE_TO_CO MPLTE_TO_ INNER_AREA	ACCUMULA TION	INT8	Attempted Internal Handovers, Intracell, complete to inner area (concentric cells)	SCANBTS.ATINHI AC_4	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
ATTEMPTED _INTRA_HO_ DUE_TO_DO WNLINK_QU ALITY	ACCUMULA TION	INT8	Attempted Internal Handovers, Intracell, downlink quality	SCANBTS.ATINHI AC_2	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
ATTEMPTED _INTRA_HO_ DUE_TO_EN HANCED_PA IRING	ACCUMULA TION	INT8	Attempted Internal Handovers, Intracell, Forced intracell handover due to enhanced pairing	SCANBTS.ATINHI AC_10	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
ATTEMPTED _INTRA_HO_ DUE_TO_FAR _TO_NEAR_A REA	ACCUMULA TION	INT8	Attempted Internal Handovers, Intracell, far to near area (extended cells)	SCANBTS.ATINHI AC_6	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
ATTEMPTED _INTRA_HO_ DUE_TO_INN ER_TO_COM PLETE_AREA	ACCUMULA TION	INT8	Attempted Internal Handovers, Intracell, inner to complete	SCANBTS.ATINHI AC_3	Sum	seccchbh , seclctbh , sectchbh,

			area (concentric cells)			sectchfrb h, Sum
ATTEMPTED _INTRA_HO_ DUE_TO_MAI NTENANCE	ACCUMULA TION	INT8	Attempted Internal Handovers, Intracell, maintenance forced intracell handover	SCANBTS.ATINHI AC_7	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
ATTEMPTED _INTRA_HO_ DUE_TO_MU LTISLOTS	ACCUMULA TION	INT8	Attempted Internal Handovers, Intracell, Forced HO due to multislot calls	SCANBTS.ATINHI AC_12	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
ATTEMPTED _INTRA_HO_ DUE_TO_NE AR_TO_FAR_ AREA	ACCUMULA TION	INT8	Attempted Internal Handovers, Intracell, near to far area (extended cells)	SCANBTS.ATINHI AC_5	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
ATTEMPTED _INTRA_HO_ DUE_TO_PRE FERRED_TRX	ACCUMULA TION	INT8	Attempted Internal Handovers, Intracell, Forced intracell handover due to preferred TRX	SCANBTS.ATINHI AC_11	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
ATTEMPTED _INTRA_HO_ DUE_TO_UPL INK_QUALIT	ACCUMULA TION	INT8	Attempted Internal Handovers, Intracell,	SCANBTS.ATINHI AC_1	Sum	seccchbh , seclctbh ,

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Y			uplink quality			sectchbh, sectchfrbh, Sum
ATTEMPTED _INTRA_HO_ TCHAFS_to_ TCHWFS	ACCUMULATION	INTEGER	Attempted Handover from TCH/AFS to TCH/WFS (homing handover)	SCANBTS.ATINHI AC_18	Sum	secccchbh , seclctbh , sectchbh, sectchfrbh, Sum
ATTEMPTED _INTRA_HO_ TCHNHS_to_ TCHWFS	ACCUMULATION	INTEGER	Attempted Handover from TCH/NHS to TCH/WFS (decompression handover);	SCANBTS.ATINHI AC_16	Sum	secccchbh , seclctbh , sectchbh, sectchfrbh, Sum
ATTEMPTED _INTRA_HO_ TCHWFS_to_ TCHAFS	ACCUMULATION	INTEGER	Attempted Handover from TCH/WFS to TCH/AFS (robustness handover; switch to narrow band if TFO (tandem free operation) is not possible);	SCANBTS.ATINHI AC_17	Sum	secccchbh , seclctbh , sectchbh, sectchfrbh, Sum
ATTEMPTED _INTRA_HO_ TCHWFS_to_ TCHNHS	ACCUMULATION	INTEGER	Attempted Handover from TCH/WFS to TCH/NHS (compression handover; switch to narrow band if TFO (tandem free operation) is not possible);	SCANBTS.ATINHI AC_15	Sum	secccchbh , seclctbh , sectchbh, sectchfrbh, Sum

ATTEMPTED_SDCCH_INT RA_HO	ACCUMULATION	INT8	Attempted internal SDCCH Handovers intracell	SCANBTS.AISHINT R_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
Attempts_com pression_FR_to _HR	ACCUMULATION	INTEGER	Attempted Internal Handovers Intracell - Compression HO from FR/EFR to HR	SCANBTS.ATINHI AC_13	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
Attempts_deco mpression_HR _to_FR	ACCUMULATION	INTEGER	Attempted Internal Handovers Intracell - Decompression HO from HR to FR/EFR	SCANBTS.ATINHI AC_14	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
FAILED_HO_f rom_TCHAFS _to_TCHWFS	ACCUMULATION	INTEGER	Unsuccessful Handover from TCH/AFS to TCH/WFS (homing handover)	SCANBTS.UNINHO IA_18	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
FAILED_HO_f rom_TCHNHS _to_TCHWFS	ACCUMULATION	INTEGER	Unsuccessful Handover from TCH/NHS to TCH/WFS (decompression handover)	SCANBTS.UNINHO IA_16	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
FAILED_HO_f rom_TCHWFS _to_TCHAFS	ACCUMULATION	INTEGER	Unsuccessful Handover from	SCANBTS.UNINHO IA_17	Sum	seccchbh , seclctbh

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			TCH/WFS to TCH/AFS (robustness handover; switch to narrow band if TFO (tandem free operation) is not possible)			, sectchbh, sectchfrbh, Sum
FAILED_HO_from_TCHWFS_to_TCHNHS	ACCUMULATION	INTEGER	Unsuccessful Handover from TCH/WFS to TCH/NHS (compression handover; switch to narrow band if TFO (tandem free operation) is not possible)	SCANBTS.UNINHOIA_15	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, Sum
FAILED_INTRA_HO_DUE_TO_AMR_FULLLRATE	ACCUMULATION	INT8	Unsuccessful Internal Handovers, Intracell, TCH/H to TCH/F due to AMR	SCANBTS.UNINHOIA_9	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, Sum
FAILED_INTRA_HO_DUE_TO_AMR_HALFRRATE	ACCUMULATION	INT8	Unsuccessful Internal Handovers, Intracell, TCH/F to TCH/H due to AMR	SCANBTS.UNINHOIA_8	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, Sum
FAILED_INTRA_HO_DUE_TO_COMPLETE_TO_INNER_AREA	ACCUMULATION	INT8	Unsuccessful Internal Handovers, Intracell, complete to inner area	SCANBTS.UNINHOIA_4	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh

			(concentric cells)			h, Sum
FAILED_INT RA_HO_DUE _TO_DOWNL INK_QUALIT Y	ACCUMULA TION	INT8	Unsuccessful Internal Handovers, Intracell, downlink quality	SCANBTS.UNINHO IA_2	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
FAILED_INT RA_HO_DUE _TO_ENHAN CED_PAIRIN G	ACCUMULA TION	INT8	Unsuccessful Internal Handovers, Intracell, Forced intracell handover due to enhanced pairing	SCANBTS.UNINHO IA_10	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
FAILED_INT RA_HO_DUE _TO_FAR_TO _NEAR_ARE A	ACCUMULA TION	INT8	Unsuccessful Internal Handovers, Intracell, far to near area (extended cells)	SCANBTS.UNINHO IA_6	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
FAILED_INT RA_HO_DUE _TO_INNER_ _TO_COMPLE TE_AREA	ACCUMULA TION	INT8	Unsuccessful Internal Handovers, Intracell, inner to complete area (concentric cells)	SCANBTS.UNINHO IA_3	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
FAILED_INT RA_HO_DUE _TO_MAINTENANCE	ACCUMULA TION	INT8	Unsuccessful Internal Handovers, Intracell, maintenance	SCANBTS.UNINHO IA_7	Sum	seccchbh , seclctbh , sectchbh,

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			forced intracell handover			sectchfrbh, Sum
FAILED_INT RA_HO_DUE _TO_MULTIS LOTS	ACCUMULA TION	INT8	Unsuccessful Internal Handovers, Intracell, Forced HO due to multislot calls	SCANBTS.UNINHO IA_12	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
FAILED_INT RA_HO_DUE _TO_NEAR_T O_FAR_ARE A	ACCUMULA TION	INT8	Unsuccessful Internal Handovers, Intracell, near to far area (extended cells)	SCANBTS.UNINHO IA_5	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
FAILED_INT RA_HO_DUE _TO_PREFER RED_TRX	ACCUMULA TION	INT8	Unsuccessful Internal Handovers, Intracell, Forced intracell handover due to preferred TRX	SCANBTS.UNINHO IA_11	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
FAILED_INT RA_HO_DUE _TO_UPLINK _QUALITY	ACCUMULA TION	INT8	Unsuccessful Internal Handovers, Intracell, uplink quality	SCANBTS.UNINHO IA_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
FAILED_INT RA_HO_WIT H_LOSS_MS	ACCUMULA TION	INT8	Unsuccessful Internal Handovers, Intracell, with Loss of MS.	SCANBTS.UNIHIA LC_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
FAILED_SDC CH_INTRA_H	ACCUMULA TION	INT8	Unsuccessful internal	SCANBTS.UISHINT R_1	Sum	seccchbh ,

O			SDCCH Handovers intracell			seclctbh , sectchbh, sectchfrb h, Sum
ho_Dist_deno m	ACCUMULA TION	INTEG ER	ho_Dist_deno m	SCANBTS.ATINHI AC_1 + ATINHIAC_2 + ATINHIAC_3 + ATINHIAC_4 + ATINHIAC_5 + ATINHIAC_6 + ATINHIAC_7 + ATINHIAC_8 + ATINHIAC_9 + ATINHIAC_10 + ATINHIAC_11+ ATINHIAC_12+ ATINHIAC_13+ ATINHIAC_14+ATI NHIAC_15+ ATINHIAC_16+ ATINHIAC_17+ATI NHIAC_18	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
SUCCESSFUL_ INTRA_HO_D UE_TO_AMR_ FULLRATE	ACCUMULA TION	INT8	Successful Internal Handovers, Intracell, TCH/H to TCH/F due to AMR	SCANBTS.SINTHIT A_9	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
SUCCESSFUL_ INTRA_HO_D UE_TO_AMR_ HALFRATE	ACCUMULA TION	INT8	Successful Internal Handovers, Intracell, TCH/F to TCH/H due to AMR	SCANBTS.SINTHIT A_8	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
SUCCESSFUL_	ACCUMULA	INT8	Successful	SCANBTS.SINTHIT	Sum	seccchbh

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INTRA_HO_D UE_TO_COM PLETE_TO_I NNER_AREA	TION		Internal Handovers, Intracell, complete to inner area (concentric cells)	A_4		, seclctbh , sectchbh, sectchfrb h, Sum
SUCCESSFUL_ INTRA_HO_D UE_TO_DOW NLINK_QUA LITY	ACCUMULA TION	INT8	Successful Internal Handovers, Intracell, downlink quality	SCANBTS.SINTHIT A_2	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
SUCCESSFUL_ INTRA_HO_D UE_TO_ENH ANCED_PAIR ING	ACCUMULA TION	INT8	Successful Internal Handovers, Intracell, Forced intracell handover due to enhanced pairing	SCANBTS.SINTHIT A_10	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
SUCCESSFUL_ INTRA_HO_D UE_TO_FAR_ TO_NEAR_A REA	ACCUMULA TION	INT8	Successful Internal Handovers, Intracell, far to near area (extended cells)	SCANBTS.SINTHIT A_6	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
SUCCESSFUL_ INTRA_HO_D UE_TO_INNE R_TO_COMP LETE_AREA	ACCUMULA TION	INT8	Successful Internal Handovers, Intracell, inner to complete area (concentric cells)	SCANBTS.SINTHIT A_3	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
SUCCESSFUL_ INTRA_HO_D UE_TO_MAIN TENANCE	ACCUMULA TION	INT8	Successful Internal Handovers, Intracell, maintenance	SCANBTS.SINTHIT A_7	Sum	seccchbh , seclctbh , sectchbh,

			forced intracell handover			sectchfrb h, Sum
SUCCESSFUL_ INTRA_HO_D UE_TO_MULTISLOTS	ACCUMULATION	INT8	Successful Internal Handovers, Intracell, Forced HO due to multislot calls	SCANBTS.SINTHIT A_12	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
SUCCESSFUL_ INTRA_HO_D UE_TO_NEAR_TO_FAR_A REA	ACCUMULATION	INT8	Successful Internal Handovers, Intracell, near to far area (extended cells)	SCANBTS.SINTHIT A_5	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
SUCCESSFUL_ INTRA_HO_D UE_TO_PREFERRED_TRX	ACCUMULATION	INT8	Successful Internal Handovers, Intracell, Forced intracell handover due to preferred TRX	SCANBTS.SINTHIT A_11	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
SUCCESSFUL_ INTRA_HO_D UE_TO_UPLINK_QUALITY	ACCUMULATION	INT8	Successful Internal Handovers, Intracell, uplink quality	SCANBTS.SINTHIT A_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
Successful_compression_HO	ACCUMULATION	INTEGER	Successful Compression handover from FR/EFR to HR	SCANBTS.SINTHIT A_13	Sum	seccchbh , seclctbh , sectchbh,

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						sectchfrbh, Sum
Successful_decompression_HO	ACCUMULATION	INTEGER	Successful Decompression handover from HR to FR/EFR	SCANBTS.SINTHIT A_14	Sum	seccchbh , secrlctbh , sectchbh, sectchfrbh, Sum
SUCCESSFUL_INTRA_HO_from_TCHAFS_to_TCHWFS	ACCUMULATION	INTEGER	Successful Handover from TCH/AFS to TCH/WFS (homing handover)	SCANBTS.SINTHIT A_18	Sum	seccchbh , secrlctbh , sectchbh, sectchfrbh, Sum
SUCCESSFUL_INTRA_HO_from_TCHNHS_to_TCHWFS	ACCUMULATION	INTEGER	Successful Handover from TCH/NHS to TCH/WFS (decompression handover)	SCANBTS.SINTHIT A_16	Sum	seccchbh , secrlctbh , sectchbh, sectchfrbh, Sum
SUCCESSFUL_INTRA_HO_from_TCHWFS_to_TCHAFS	ACCUMULATION	INTEGER	Successful Handover from TCH/WFS to TCH/AFS (robustness handover; switch to narrow band if TFO (tandem free operation) is not possible)	SCANBTS.SINTHIT A_17	Sum	seccchbh , secrlctbh , sectchbh, sectchfrbh, Sum
SUCCESSFUL_INTRA_HO_from_TCHWFS_to_TCHNHS	ACCUMULATION	INTEGER	Successful Handover from TCH/WFS to TCH/NHS (compression handover;	SCANBTS.SINTHIT A_15	Sum	seccchbh , secrlctbh , sectchbh, sectchfrbh, Sum

			switch to narrow band if TFO (tandem free operation) is not possible)			
SUCCESSFUL_SDCCH_INT_RA_HO	ACCUMULATION	INT8	Successful internal SDCCH Handovers intracell	SCANBTS.SISHINT_R_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
Unsuccessful_compression_HO	ACCUMULATION	INTEGER	Unsuccessful Compression handover from FR/EFR to HR	SCANBTS.UNINHOIA_13	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
Unsuccessful_decompression_HO	ACCUMULATION	INTEGER	Unsuccessful Decompression handover from HR to FR/EFR	SCANBTS.UNINHOIA_14	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum

7.5.65 Cell.Siemens.GSM.LLC_data_volume

LLC data volume

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Bkg_DL_EDGE_LLC_data_volume	ACCUMULATION	FLOAT	Background Downlink EDGE LLC data volume	SCANGPRS.MUTLLC_80	Sum	seclcbh, seclctbh , sectchbh,

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						Sum
Bkg_DL_GPRS_LLC_data_volume	ACCUMULATION	FLOAT	Background Downlink GPRS LLC data volume	SCANGPRS.MUTLLC_75	Sum	seclcbh, seclctbh, sectchbh, Sum
Bkg_UL_EDGE_LLC_data_volume	ACCUMULATION	FLOAT	Background Uplink EDGE LLC data volume	SCANGPRS.MUTLLC_70	Sum	seclcbh, seclctbh, sectchbh, Sum
Bkg_UL_GPRS_LLC_data_volume	ACCUMULATION	FLOAT	Background Uplink GPRS LLC data volume	SCANGPRS.MUTLLC_65	Sum	seclcbh, seclctbh, sectchbh, Sum
Int1_DL_EDGE_LLC_data_volume	ACCUMULATION	FLOAT	Interactive 1 Downlink EDGE LLC data volume	SCANGPRS.MUTLLC_77	Sum	seclcbh, seclctbh, sectchbh, Sum
Int1_DL_GPRS_LLC_data_volume	ACCUMULATION	FLOAT	Interactive 1 Downlink GPRS LLC data volume	SCANGPRS.MUTLLC_72	Sum	seclcbh, seclctbh, sectchbh, Sum
Int1_UL_EDGE_LLC_data_volume	ACCUMULATION	FLOAT	Interactive 1 Uplink EDGE LLC data volume	SCANGPRS.MUTLLC_67	Sum	seclcbh, seclctbh, sectchbh, Sum
Int1_UL_GPRS_LLC_data_volume	ACCUMULATION	FLOAT	Interactive 1 Uplink GPRS LLC data volume	SCANGPRS.MUTLLC_62	Sum	seclcbh, seclctbh, sectchbh, Sum
Int2_DL_EDGE_LLC_data_volume	ACCUMULATION	FLOAT	Interactive 2 Downlink EDGE LLC data volume	SCANGPRS.MUTLLC_78	Sum	seclcbh, seclctbh, sectchbh, Sum

Int2_DL_GPRS_LLC_data_volume	ACCUMULATION	FLOAT	Interactive 2 Downlink GPRS LLC data volume	SCANGPRS.MUTLLC_73	Sum	seclcbh, seclctbh, sectchbh, Sum
Int2_UL_EDGE_LLC_data_volume	ACCUMULATION	FLOAT	Interactive 2 Uplink EDGE LLC data volume	SCANGPRS.MUTLLC_68	Sum	seclcbh, seclctbh, sectchbh, Sum
Int2_UL_GPRS_LLC_data_volume	ACCUMULATION	FLOAT	Interactive 2 Uplink GPRS LLC data volume	SCANGPRS.MUTLLC_63	Sum	seclcbh, seclctbh, sectchbh, Sum
Int3_DL_EDGE_LLC_data_volume	ACCUMULATION	FLOAT	Interactive 3 Downlink EDGE LLC data volume	SCANGPRS.MUTLLC_79	Sum	seclcbh, seclctbh, sectchbh, Sum
Int3_DL_GPRS_LLC_data_volume	ACCUMULATION	FLOAT	Interactive 3 Downlink GPRS LLC data volume	SCANGPRS.MUTLLC_74	Sum	seclcbh, seclctbh, sectchbh, Sum
Int3_UL_EDGE_LLC_data_volume	ACCUMULATION	FLOAT	Interactive 3 Uplink EDGE LLC data volume	SCANGPRS.MUTLLC_69	Sum	seclcbh, seclctbh, sectchbh, Sum
Int3_UL_GPRS_LLC_data_volume	ACCUMULATION	FLOAT	Interactive 3 Uplink GPRS LLC data volume	SCANGPRS.MUTLLC_64	Sum	seclcbh, seclctbh, sectchbh, Sum
Str_DL_EDGE_LLC_data	ACCUMULATION	FLOAT	Streaming Downlink	SCANGPRS.MUTLLC_76	Sum	seclcbh, seclctbh

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volume			EDGE LLC data volume			, sectchbh, Sum
Str_DL_GPRS_LLC_data_volume	ACCUMULATION	FLOAT	Streaming Downlink GPRS LLC data volume	SCANGPRS.MUTLLC_71	Sum	seclcbh, seclctbh, sectchbh, Sum
Str_UL_EDGE_LLC_data_volume	ACCUMULATION	FLOAT	Streaming Uplink EDGE LLC data volume	SCANGPRS.MUTLLC_66	Sum	seclcbh, seclctbh, sectchbh, Sum
Str_UL_GPRS_LLC_data_volume	ACCUMULATION	FLOAT	Streaming Uplink GPRS LLC data volume	SCANGPRS.MUTLLC_61	Sum	seclcbh, seclctbh, sectchbh, Sum

7.5.66 Cell.Siemens.GSM.LLC_PDU_s_on_Gb_interface

LLC PDU_s on Gb interface

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
DL_background_LLC_PDU_s	ACCUMULATION	INTEGER	Number of transmitted LLC-PDU_s downlink background services	SCANGPRS.NTRLLC FR_6	Sum	seclcbh, seclctbh, sectchbh, Sum
DL_interactive_LLC_PDU_s	ACCUMULATION	INTEGER	Number of transmitted LLC-PDU_s downlink for interactive services	SCANGPRS.NTRLLC FR_4	Sum	seclcbh, seclctbh, sectchbh, Sum
DL_streaming_LLC_PDU_s	ACCUMULATION	INTEGER	Number of transmitted LLC-PDU_s downlink for	SCANGPRS.NTRLLC FR_5	Sum	seclcbh, seclctbh, sectchbh,

			streaming services			Sum
UL_background_LLCPDUs	ACCUMULATION	INTEGER	Number of transmitted LLC-PDUs uplink for background services	SCANGPRS.NTRLLC FR_3	Sum	seclcbh, seclctbh, sectchbh, Sum
UL_interactive_LLCPDUs	ACCUMULATION	INTEGER	Number of transmitted LLC-PDUs uplink for interactive services	SCANGPRS.NTRLLC FR_1	Sum	seclcbh, seclctbh, sectchbh, Sum
UL_streaming_LLCPDUs	ACCUMULATION	INTEGER	Number of transmitted LLC-PDUs uplink for streaming services	SCANGPRS.NTRLLC FR_2	Sum	seclcbh, seclctbh, sectchbh, Sum

7.5.67 Cell.Siemens.GSM.Mean_user_data_throughput_LLC

Mean user data throughput LLC

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
DL_for_background_services	INTENSITY	FLOAT	Mean user data throughput LLC downlink background services	SCANGPRS.MUTHBS_6	Average	Average, Maximum, Minimum, seclcbh, seclctbh, sectchbh, Sum

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DL_for_interact ive_services	INTENSI TY	FLOA T	Mean user data throughput LLC downlink for interactive services	SCANGPRS.MUTHB S_4	Average	Average, Maximu m, Minimu m, seclcbh, seclctbh , sectchbh, Sum
DL_for_streami ng_services	INTENSI TY	FLOA T	Mean user data throughput LLC downlink for streaming services	SCANGPRS.MUTHB S_5	Average	Average, Maximu m, Minimu m, seclcbh, seclctbh , sectchbh, Sum
UL_for_backgro und_services	INTENSI TY	FLOA T	Mean user data throughput LLC uplink for background services	SCANGPRS.MUTHB S_3	Average	Average, Maximu m, Minimu m, seclcbh, seclctbh , sectchbh, Sum
UL_for_interact ive_services	INTENSI TY	FLOA T	Mean user data throughput LLC uplink for interactive services	SCANGPRS.MUTHB S_1	Average	Average, Maximu m, Minimu m, seclcbh, seclctbh , sectchbh, Sum
UL_for_streami ng_services	INTENSI TY	FLOA T	Mean user data throughput LLC uplink for	SCANGPRS.MUTHB S_2	Average	Average, Maximu m,

			streaming services			Minimum, secrlecbh, secrletbh, sectchbh, Sum
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7.5.68 Cell.Siemens.GSM.MSC_SDCCH_Handovers

MSC SDCCH Handovers

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Failed_due_to_lost_connection	ACCUMULATION	INTEGER	This measurement provides the number of unsuccessful outgoing inter-BSC SDCCH handovers from the observed cell into a different cell managed by a different BSC. (UMCSHLC)	SCANBTS.UMCSHLC_1	Sum	seccchbh, secrletbh, sectchbh, Sum

7.5.69 Cell.Siemens.GSM.Outage_LLCPDUs

Outage Time between Downlink LLC Buffer Discard and Subsequent of Downlink LLC PDU

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Mean_Outage_Between_Llc_P	INTENSITY	FLOAT	Mean Outage Time between	SCANGPRS.LLCSUBST_3	Average	Average, Maximum

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DUs_Discard_Background_Services			Downlink LLC Buffer Discard and Subsequent of Downlink LLC PDU for background services			m, Minimum, seccchbh, secrctbh, sectchbh, Sum
Mean_Outage_Between_Llc_PDUs_Discard_Interactive_Services	INTENSITY	FLOAT	Mean Outage Time between Downlink LLC Buffer Discard and Subsequent of Downlink LLC PDU for interactive services	SCANGPRS.LLCSUBST_1	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, Sum
Mean_Outage_Between_Llc_PDUs_Discard_Streaming_Services	INTENSITY	FLOAT	Mean Outage Time between Downlink LLC Buffer Discard and Subsequent of Downlink LLC PDU for streaming services	SCANGPRS.LLCSUBST_2	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, Sum

7.5.70 Cell.Siemens.GSM.Packet_Flow_Context

TBF resource assignment rate related for uplink and downlink direction and per traffic class (interactive, background)

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Real_Time_Packet_Flow_Contexts_Pfcs_Admitted	ACCUMULATION	INTEGER	Number of real-time packet flow contexts	SCANGPRS.NUMPFCA DMREJ_1	Sum	seccchbh, secrctbh,

			(PFCs) admitted			sectchbh, Sum
Real_Time_Packet_Flow_Contexts_Pfcs_Rejected	ACCUMULATION	INTEGER	Number of real-time packet flow contexts (PFCs) rejected	SCANGPRS.NUMPFCA DMREJ_2	Sum	seccchbh , seclctbh , sectchbh, Sum
Tbf_Rate_For_Background_Services_In_Downlink_Direction	INTENSITY	FLOAT	TBF resource assignment rate for background services in downlink direction	SCANGPRS.TBFRASSR_4	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, Sum
Tbf_Rate_For_Background_Services_In_Uplink_Direction	INTENSITY	FLOAT	TBF resource assignment rate for background services in uplink direction	SCANGPRS.TBFRASSR_2	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, Sum
Tbf_Rate_For_Interactive_Services_In_Downlink_Direction	INTENSITY	FLOAT	TBF resource assignment rate for interactive services in downlink direction	SCANGPRS.TBFRASSR_3	Average	Average, Maximum, Minimum, seccchbh , seclctbh ,

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						sectchbh, Sum
Tbf_Rate_Fo r_Interactive _Services_In _Uplink_Dir ection	INTENSITY	FLOA T	TBF resource assignment rate for interactive services in uplink direction	SCANGPRS.TBFRASSR _1	Average	Average, Maximu m, Minimu m, seccchbh , seclctbh , sectchbh, Sum

7.5.71 Cell.Siemens.GSM.PAGCH

Cell related PAGCH measurements

KPI	Type	Data Type	Description	Derivation	Default Aggrega tor	Other Aggrega tors
DISCARDED_ MSG_PS_TRA FFIC	ACCUMULA TION	INT8	Discarded msg on PAGCH for PS traffic	SCANGPRS.NTDMP AGC_2	Sum	seclcbh, seclctbh , sectchbh, Sum
TRANSMITTE D_MSG_PS_TR AFFIC	ACCUMULA TION	INT8	Transmitted msg on PAGCH for PS traffic	SCANGPRS.NTDMP AGC_1	Sum	seclcbh, seclctbh , sectchbh, Sum

7.5.72 Cell.Siemens.GSM.Paging

Cell related measurements of paging procedures

KPI	Type	Data Type	Description	Derivation	Default Aggrega tor	Other Aggrega tors
DISCARDED_ MSG_PPCH_C S_TRAFFIC	ACCUMULA TION	INT8	Discarded msg PPCH for CS traffic	SCANGPRS.NTDMP PCH_3	Sum	seclcbh, seclctbh , sectchbh,

						Sum
DISCARDED_MSG_PPCH_PS_TRAFFIC	ACCUMULATION	INT8	Discarded msg PPCH for PS traffic	SCANGPRS.NTDMP PCH_4	Sum	seclcbh, seclctbh, sectchbh, Sum
SUCCESSFUL_GPRS_PAGING	ACCUMULATION	INT8	No. of successful GPRS paging procedures	SCANGPRS.NSUGPP AG_1	Sum	seclcbh, seclctbh, sectchbh, Sum
TRANSMITTED_MSG_PPCH_CS_TRAFFIC	ACCUMULATION	INT8	Transmitted msg PPCH for CS traffic	SCANGPRS.NTDMP PCH_1	Sum	seclcbh, seclctbh, sectchbh, Sum
TRANSMITTED_MSG_PPCH_PS_TRAFFIC	ACCUMULATION	INT8	Transmitted msg PPCH for PS traffic	SCANGPRS.NTDMP PCH_2	Sum	seclcbh, seclctbh, sectchbh, Sum

7.5.73 Cell.Siemens.GSM.PD_assignments

GPRS related resource requests with ARP priority 1, 2 or 3 in both uplink and downlink direction

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Attempted_PDCH_Assignments_Downlink_Tbf_Arp_Priority_Level1	ACCUMULATION	INTEGER	Number of attempted PDCH assignments for an downlink TBF with ARP priority level 1	SCANGPRS.ARPAP DAS_4	Sum	seccchbh, seclctbh, sectchbh, Sum

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Attempted_PDCH_Assignments_Downlink_Tbf_Arp_Priority_Level2	ACCUMULATION	INTEGER	Number of attempted PDCH assignments for an downlink TBF with ARP priority level 2	SCANGPRS.ARPAP DAS_5	Sum	seccchbh , seclctbh , sectchbh, Sum
Attempted_PDCH_Assignments_Downlink_Tbf_Arp_Priority_Level3	ACCUMULATION	INTEGER	Number of attempted PDCH assignments for an downlink TBF with ARP priority level 3	SCANGPRS.ARPAP DAS_6	Sum	seccchbh , seclctbh , sectchbh, Sum
Attempted_PDCH_Assignments_Uplink_Tbf_Arp_Priority_Level1	ACCUMULATION	INTEGER	Number of attempted PDCH assignments for an uplink TBF with ARP priority level 1	SCANGPRS.ARPAP DAS_1	Sum	seccchbh , seclctbh , sectchbh, Sum
Attempted_PDCH_Assignments_Uplink_Tbf_Arp_Priority_Level2	ACCUMULATION	INTEGER	Number of attempted PDCH assignments for an uplink TBF with ARP priority level 2	SCANGPRS.ARPAP DAS_2	Sum	seccchbh , seclctbh , sectchbh, Sum
Attempted_PDCH_Assignments_Uplink_Tbf_Arp_Priority_Level3	ACCUMULATION	INTEGER	Number of attempted PDCH assignments for an uplink TBF with ARP priority level 3	SCANGPRS.ARPAP DAS_3	Sum	seccchbh , seclctbh , sectchbh, Sum
Succ_PDCH_	ACCUMULATION	INTEGER	Number of	SCANGPRS.ARPSPD	Sum	seccchbh

Assignments_Downlink_Tbf_Arp_Priority_Level1	TION	ER	successful PDCH assignments for an downlink TBF with ARP priority level 1	AS_4		, secrletbh , sectchbh, Sum
Succ_PDCH_Assignments_Downlink_Tbf_Arp_Priority_Level2	ACCUMULATION	INTEGER	Number of successful PDCH assignments for an downlink TBF with ARP priority level 2	SCANGPRS.ARPSPD AS_5	Sum	seccchbh , secrletbh , sectchbh, Sum
Succ_PDCH_Assignments_Downlink_Tbf_Arp_Priority_Level3	ACCUMULATION	INTEGER	Number of successful PDCH assignments for an downlink TBF with ARP priority level 3	SCANGPRS.ARPSPD AS_6	Sum	seccchbh , secrletbh , sectchbh, Sum
Succ_PDCH_Assignments_Uplink_Tbf_Arp_Priority_Level1	ACCUMULATION	INTEGER	Number of successful PDCH assignments for an uplink TBF with ARP priority level 1	SCANGPRS.ARPSPD AS_1	Sum	seccchbh , secrletbh , sectchbh, Sum
Succ_PDCH_Assignments_Uplink_Tbf_Arp_Priority_Level2	ACCUMULATION	INTEGER	Number of successful PDCH assignments for an uplink	SCANGPRS.ARPSPD AS_2	Sum	seccchbh , secrletbh , sectchbh,

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			TBF with ARP priority level 2			Sum
Succ_PDCH_Assignments_Uplink_Tbf_Arp_Priority_Level3	ACCUMULATION	INTEGER	Number of successful PDCH assignments for an uplink TBF with ARP priority level 3	SCANGPRS.ARPSPD AS_3	Sum	seccchbh , secrctbh , sectchbh, Sum

7.5.74 Cell.Siemens.GSM.PDCH_diffserv

PDCH Seizures (Uplink/Downlink) for different traffic classes

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Degraded_PDCHs_Seizures_Abis_Unavail_Dl_Tbf_Backserv	ACCUMULATION	INT8	Degraded PDCHs seizures due to Not enough Abis subchannels available for a downlink TBF for background services	SCANGPRS.UNSPD CSE_10	Sum	seclcbh, secrctbh , sectchbh, Sum
Degraded_PDCHs_Seizures_Abis_Unavail_Dl_Tbf_Interserv	ACCUMULATION	INT8	Degraded PDCHs seizures due to Not enough Abis subchannels available for a downlink TBF for interactive services	SCANGPRS.UNSPD CSE_9	Sum	seclcbh, secrctbh , sectchbh, Sum
Degraded_PDCHs_Seizures_Abis_Unavail_Dl_Tbf_Backserv	ACCUMULATION	INT8	Degraded PDCHs	SCANGPRS.UNSPD CSE_2	Sum	seclcbh, secrctbh

is_Unavail_UL_Tbf_Backserv			seizures due to Not enough Abis subchannels available for a uplink TBF for background services			, sectchbh, Sum
Degraded_PDC Hs_Seizures_Ab is_Unavail_UL_Tbf_Interserv	ACCUMULATION	INT8	Degraded PDCHs seizures due to Not enough Abis subchannels available for a uplink TBF for interactive services	SCANGPRS.UNSPD CSE_1	Sum	secrlcbh, secrletbh , sectchbh, Sum
Degraded_PDC Hs_Seizures_Other_DL_Tbf_Causes_Backserv	ACCUMULATION	INT8	Degraded PDCHs seizures due to Other downlink TBF causes for background services	SCANGPRS.UNSPD CSE_16	Sum	secrlcbh, secrletbh , sectchbh, Sum
Degraded_PDC Hs_Seizures_Other_DL_Tbf_Causes_Interserv	ACCUMULATION	INT8	Degraded PDCHs seizures due to Other downlink TBF causes for interactive services	SCANGPRS.UNSPD CSE_15	Sum	secrlcbh, secrletbh , sectchbh, Sum
Degraded_PDC Hs_Seizures_Other_UL_Tbf_Causes	ACCUMULATION	INT8	Degraded PDCHs seizures due	SCANGPRS.UNSPD CSE_8	Sum	secrlcbh, secrletbh ,

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ses_Backserv			to Other uplink TBF causes for background services			sectchbh, Sum
Degraded_PDC Hs_Seizures_Ot her_UL_Tbf_Cau ses_Interserv	ACCUMULA TION	INT8	Degraded PDCHs seizures due to Other uplink TBF causes for interactive services	SCANGPRS.UNSPD CSE_7	Sum	seclcbh, seclctbh , sectchbh, Sum
Degraded_PDC Hs_Seizures_Pdt _At_PCU_Unav ail_DL_Tbf_Bac kserv	ACCUMULA TION	INT8	Degraded PDCHs seizures due to Not enough PDT at PCU available for a new downlink TBF for background services	SCANGPRS.UNSPD CSE_12	Sum	seclcbh, seclctbh , sectchbh, Sum
Degraded_PDC Hs_Seizures_Pdt _At_PCU_Unav ail_DL_Tbf_Inter serv	ACCUMULA TION	INT8	Degraded PDCHs seizures due to Not enough PDT at PCU available for a new downlink TBF for interactive services	SCANGPRS.UNSPD CSE_11	Sum	seclcbh, seclctbh , sectchbh, Sum
Degraded_PDC Hs_Seizures_Pdt _At_PCU_Unav ail_UL_Tbf_Bac kserv	ACCUMULA TION	INT8	Degraded PDCHs seizures due to Not enough PDT at PCU available for a new uplink TBF for background services	SCANGPRS.UNSPD CSE_4	Sum	seclcbh, seclctbh , sectchbh, Sum

Degraded_PDC Hs_Seizures_Pdt _At_PCU_Unav ail_UI_Tbf_Inter serv	ACCUMULA TION	INT8	Degraded PDCHs seizures due to Not enough PDT at PCU available for a new uplink TBF for interactive services	SCANGPRS.UNSPD CSE_3	Sum	seclcbh, seclctbh , sectchbh, Sum
Degraded_PDC Hs_Seizures_Rr _Unavail_DI_Tb f_Backserv	ACCUMULA TION	INT8	Degraded PDCHs seizures due to Not enough radio resources (PDCH) available for a new downlink TBF for background services	SCANGPRS.UNSPD CSE_14	Sum	seclcbh, seclctbh , sectchbh, Sum
Degraded_PDC Hs_Seizures_Rr _Unavail_DI_Tb f_Interserv	ACCUMULA TION	INT8	Degraded PDCHs seizures due to Not enough radio resources (PDCH) available for a new downlink TBF for interactive services	SCANGPRS.UNSPD CSE_13	Sum	seclcbh, seclctbh , sectchbh, Sum
Degraded_PDC Hs_Seizures_Rr _Unavail_UI_Tb f_Backserv	ACCUMULA TION	INT8	Degraded PDCHs seizures due to Not enough radio resources	SCANGPRS.UNSPD CSE_6	Sum	seclcbh, seclctbh , sectchbh, Sum

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			(PDCH) available for a new uplink TBF for background services			
Degraded_PDCHs_Seizures_Rr_Unavail_UL_Tbf_Interserv	ACCUMULATION	INT8	Degraded PDCHs seizures due to Not enough radio resources (PDCH) available for a new uplink TBF for interactive services	SCANGPRS.UNSPDCSE_5	Sum	seclrbh, seclctbh, sectchbh, Sum
DEGRADED_SEIZURES_DL_TBF	ACCUMULATION	INT8	Degraded PDCH seizures downlink TBF	SCANGPRS.UNSPDCSE_9+UNSPDCSE_10+UNSPDCSE_11+UNSPDCSE_12+UNSPDCSE_13+UNSPDCSE_14+UNSPDCSE_15+UNSPDCSE_16	Sum	seclrbh, seclctbh, sectchbh, Sum
DEGRADED_SEIZURES_UL_TBF	ACCUMULATION	INT8	Degraded PDCH seizures uplink TBF	SCANGPRS.UNSPDCSE_1+UNSPDCSE_2+UNSPDCSE_3+UNSPDCSE_4+UNSPDCSE_5+UNSPDCSE_6+UNSPDCSE_7+UNSPDCSE_8	Sum	seclrbh, seclctbh, sectchbh, Sum
Succ_PDCH_Assignments_DL_Tbf_Backserv	ACCUMULATION	INT8	Number of successful PDCH assignments for an downlink TBF for background services	SCANGPRS.SUCPDASA_7	Sum	seclrbh, seclctbh, sectchbh, Sum
Succ_PDCH_Assignments_DL_T	ACCUMULATION	INT8	Number of successful	SCANGPRS.SUCPDASA_5	Sum	seclrbh, seclctbh

bf_Interserv			PDCH assignments for an downlink TBF for interactive services			, sectchbh, Sum
Succ_PDCH_Assignments_DL_Tbf_Streserv	ACCUMULATION	INT8	Number of successful PDCH assignments for an downlink TBF for streaming services	SCANGPRS.SUCPD ASA_6	Sum	seclcbh, seclctbh, sectchbh, Sum
Succ_PDCH_Assignments_UL_Tbf_Backserv	ACCUMULATION	INT8	Number of successful PDCH assignments for an uplink TBF for background services	SCANGPRS.SUCPD ASA_3	Sum	seclcbh, seclctbh, sectchbh, Sum
Succ_PDCH_Assignments_UL_TBF_earlyTBF	ACCUMULATION	INT8	Number of successful PDCH assignments for an uplink TBF by early TBF establishing mode	SCANGPRS.SUCPD ASA_4	Sum	seclcbh, seclctbh, sectchbh, Sum
Succ_PDCH_Assignments_UL_Tbf_Interserv	ACCUMULATION	INT8	Number of successful PDCH assignments for an uplink TBF for	SCANGPRS.SUCPD ASA_1	Sum	seclcbh, seclctbh, sectchbh, Sum

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			interactive services			
Succ_PDCH_Assignments_UI_Tbf_Streserv	ACCUMULATION	INT8	Number of successful PDCH assignments for an uplink TBF for streaming services	SCANGPRS.SUCPDASA_2	Sum	seclcbh, seclctbh, sectchbh, Sum
SUCCESSFUL_ASSIGNMENT_S_DL_TBF	ACCUMULATION	INT8	Successful PDCH assignments downlink TBF	SCANGPRS.SUCPDASA_5+SUCPDASA_6+SUCPDASA_7	Sum	seclcbh, seclctbh, sectchbh, Sum
SUCCESSFUL_ASSIGNMENT_S_UL_TBF	ACCUMULATION	INT8	Successful PDCH assignments uplink TBF	SCANGPRS.SUCPDASA_1+SUCPDASA_2+SUCPDASA_3+SUCPDASA_4	Sum	seclcbh, seclctbh, sectchbh, Sum

7.5.75 Cell.Siemens.GSM.PDCH

Cell related PDCH measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
DEGRADED_SEIZURES_DL_TBF	ACCUMULATION	INT8	Moved to the Group PDCH_Diffserv; Degraded PDCH seizures downlink TBF	SCANGPRS.UNSPDCSE_9+UNSPDCSE_10+UNSPDCSE_11+UNSPDCSE_12+UNSPDCSE_13+UNSPDCSE_14+UNSPDCSE_15+UNSPDCSE_16	Sum	sebtchfrbh, sebtchhrbh, seclcbh, seclctbh, sectchbh, Sum
DEGRADED_SEIZURES_UL_TBF	ACCUMULATION	INT8	Moved to the Group PDCH_Diffserv; Degraded PDCH	SCANGPRS.UNSPDCSE_1+UNSPDCSE_2+UNSPDCSE_3+UNSPDCSE_4+UNSPDCSE_5+UNSPDCS	Sum	sebtchfrbh, sebtchhrbh, seclcbh,

			seizures uplink TBF	E_6+UNSPDCSE_7+ UNSPDCSE_8		seclctbh , sectchbh, Sum
MAX_ACTIVATED_PDCH	INTENSITY	INTEGER	Max activated PDCH	SCANGPRS.NALIPD CH_2	Average	Average, Maximum, Minimum, sebtchfrbh, sebtchhrbh, seclcbh, seclctbh , sectchbh, Sum
MAX_ALLOC_TBF_PER_PDCH_DL	INTENSITY	INTEGER	Max allocated TBF per PDCH downlink	SCANGPRS.NTBFP DC_3	Average	Average, Maximum, Minimum, sebtchfrbh, sebtchhrbh, seclcbh, seclctbh , sectchbh, Sum
MAX_ALLOC_TBF_PER_PDCH_UL	INTENSITY	INTEGER	Max allocated TBF per PDCH uplink	SCANGPRS.NTBFP DC_1	Average	Average, Maximum, Minimum, sebtchfrbh, sebtchhrbh

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						bh, secrxcbh, secrctbh , sectchbh, Sum
MAX_DEFINED_PDCH	INTENSITY	INTEGER	Max defined PDCH	SCANGPRS.NDEFPDCH_2	Average	Average, Maximum, Minimum, sebtchfrbh, sebtchhrbh, secrxcbh, secrctbh , sectchbh, Sum
MAX_USED_PDCH_DL	INTENSITY	INTEGER	Max used PDCH downlink	SCANGPRS.NALLPDCH_5	Average	Average, Maximum, Minimum, sebtchfrbh, sebtchhrbh, secrxcbh, secrctbh , sectchbh, Sum
MAX_USED_PDCH_UL	INTENSITY	INTEGER	Max used PDCH uplink	SCANGPRS.NALLPDCH_2	Average	Average, Maximum, Minimum, sebtchfrbh, sebtchhrbh, secrxcbh, secrctbh, sectchbh, Sum

						seclctbh , sectchbh, Sum
MEAN_ACTIVATED_PDCH	INTENSITY	FLOAT	Mean activated PDCH	SCANGPRS.NALIPDCH_3	Average	Average, Maximum, Minimum, sebtchfrbh, sebtchhrbh, seclcbh, seclctbh, sectchbh, Sum
MEAN_ALLOC_TBF_PER_PDCH_DL	INTENSITY	FLOAT	Mean allocated TBF per PDCH downlink	SCANGPRS.NTBFPDC_4	Average	Average, Maximum, Minimum, sebtchfrbh, sebtchhrbh, seclcbh, seclctbh, sectchbh, Sum
MEAN_ALLOC_TBF_PER_PDCH_UL	INTENSITY	FLOAT	Mean allocated TBF per PDCH uplink	SCANGPRS.NTBFPDC_2	Average	Average, Maximum, Minimum, sebtchfrbh, sebtchhrbh, seclcbh, seclctbh, sectchbh, Sum

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						bh, secrlcbh, secrlctbh , sechtchbh, Sum
MEAN_DEFINED_PDCH	INTENSITY	FLOAT	Mean defined PDCH	SCANGPRS.NDEFPDCH_3	Average	Average, Maximum, Minimum, sebtchfrbh, sebtchhrbh, secrlcbh, secrlctbh , sechtchbh, Sum
MEAN_USED_PDCH_DL	INTENSITY	FLOAT	Mean used PDCH downlink	SCANGPRS.NALLPDCH_6	Average	Average, Maximum, Minimum, sebtchfrbh, sebtchhrbh, secrlcbh, secrlctbh , sechtchbh, Sum
MEAN_USED_PDCH_UL	INTENSITY	FLOAT	Mean used PDCH uplink	SCANGPRS.NALLPDCH_3	Average	Average, Maximum, Minimum, sebtchfrbh, sebtchhrbh, secrlcbh,

						seclctbh , sectchbh, Sum
MIN_ACTIVATED_PDCH	INTENSITY	INTEGER	Min activated PDCH	SCANGPRS.NALIPDCH_1	Average	Average, Maximum, Minimum, sebtchfrbh, sebtchhrbh, seclcbh, seclctbh , sectchbh, Sum
MIN_DEFINED_PDCH	INTENSITY	INTEGER	Min defined PDCH	SCANGPRS.NDEFPDCH_1	Average	Average, Maximum, Minimum, sebtchfrbh, sebtchhrbh, seclcbh, seclctbh , sectchbh, Sum
MIN_USED_PDCH_DL	INTENSITY	INTEGER	Min used PDCH downlink	SCANGPRS.NALLPDCH_4	Average	Average, Maximum, Minimum, sebtchfrbh, sebtchhrbh

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						bh, seclcbh, seclctbh , sectchbh, Sum
MIN_USED_PDCH_UL	INTENSITY	INTEGER	Min used PDCH uplink	SCANGPRS.NALLPDCH_1	Average	Average, Maximum, Minimum, sebtchfrbh, sebtchhrbh, seclcbh, seclctbh , sectchbh, Sum
SUCCESSFUL_ASSIGNMENTS_DL_TBF	ACCUMULATION	INT8	Moved to the Group PDCH_Diffserv; Successful PDCH assignments downlink TBF	SCANGPRS.SUCPDASA_5+SUCPDASA_6+SUCPDASA_7	Sum	sebtchfrbh, sebtchhrbh, seclcbh, seclctbh , sectchbh, Sum
SUCCESSFUL_ASSIGNMENTS_UL_TBF	ACCUMULATION	INT8	Moved to the Group PDCH_Diffserv; Successful PDCH assignments uplink TBF	SCANGPRS.SUCPDASA_1+SUCPDASA_2+SUCPDASA_3+SUCPDASA_4	Sum	sebtchfrbh, sebtchhrbh, seclcbh, seclctbh , sectchbh, Sum

7.5.76 Cell.Siemens.GSM.PDUs_Delay

Access delay for a first LLC PDU (DL) per traffic class (interactive, streaming, background services)

KPI	Type	Data	Description	Derivation	Default	Other
-----	------	------	-------------	------------	---------	-------

		Type			Aggrega tor	Aggrega tors
Max_Access_Delay_Of_A_First_Llc_PDU_Background	INTENSITY	FLOAT	Max. access delay of a first LLC PDU -Background Traffic Class	SCANGPRS.MMADFL LC_9	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, Sum
Max_Access_Delay_Of_A_First_Llc_PDU_Interactive	INTENSITY	FLOAT	Max. access delay of a first LLC PDU -Interactive Traffic Class	SCANGPRS.MMADFL LC_3	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, Sum
Max_Access_Delay_Of_A_First_Llc_PDU_Streaming	INTENSITY	FLOAT	Max. access delay of a first LLC PDU -Streaming Traffic Class	SCANGPRS.MMADFL LC_6	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, Sum
Max_Ra_Rrt_For_Dl_Rlc_PdUs	INTENSITY	FLOAT	Max. radio access round trip time (RA RRT) for DL	SCANGPRS.MMRAR TT_3	Average	Average, Maximum, Minimum

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			RLC PDUs			m, seccchbh , seclctbh , sectchbh, Sum
Mean_Access_Delay_Of_A_First_Llc_PDU_Background	INTENSITY	INTEGER	Mean access delay of a first LLC PDU -Background Traffic Class	SCANGPRS.MMADFL LC_8	Average	Average, Maximum, Minimum, seccchbh, seclctbh, sectchbh, Sum
Mean_Access_Delay_Of_A_First_Llc_PDU_Interactive	INTENSITY	INTEGER	Mean access delay of a first LLC PDU -Interactive Traffic Class	SCANGPRS.MMADFL LC_2	Average	Average, Maximum, Minimum, seccchbh, seclctbh, sectchbh, Sum
Mean_Access_Delay_Of_A_First_Llc_PDU_Streaming	INTENSITY	INTEGER	Mean access delay of a first LLC PDU -Streaming Traffic Class	SCANGPRS.MMADFL LC_5	Average	Average, Maximum, Minimum, seccchbh, seclctbh, sectchbh, Sum
Mean_Ra_Rrt_For_Dl_Rlc_PDUs	INTENSITY	INTEGER	Mean radio access round trip time (RA	SCANGPRS.MMRAR TT_2	Average	Average, Maximum,

			RRT) for DL RLC PDUs			Minimum, seccchbh, secrlctbh, sectchbh, Sum
Min_Access_Delay_Of_A_First_Llc_PDU_Background	INTENSITY	INTEGER	Min. access delay of a first LLC PDU -Background Traffic Class	SCANGPRS.MMADFLC_7	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, Sum
Min_Access_Delay_Of_A_First_Llc_PDU_Interactive	INTENSITY	INTEGER	Min. access delay of a first LLC PDU -Interactive Traffic Class	SCANGPRS.MMADFLC_1	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, Sum
Min_Access_Delay_Of_A_First_Llc_PDU_Streaming	INTENSITY	INTEGER	Min. access delay of a first LLC PDU -Streaming Traffic Class	SCANGPRS.MMADFLC_4	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh,

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						Sum
Min_Ra_Rrt_For_Dl_Rlc_PDU_s	INTENSITY	INTEGER	Min. radio access round trip time (RA RRT) for DL RLC PDUs	SCANGPRS.MMRAR TT_1	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, Sum

7.5.77 Cell.Siemens.GSM.Power_Quality_Measure

BTS power used to operate downlink busy TCHs

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Mean_Bts_Power_For_Ms_With_Arp_Capability	INTENSITY	INTEGER	Mean BTS power only for MS with ARP capability	SCANBTSE.MBTSPWR_2	Average	Average, Maximum, Minimum, seccchbh, sectchbh, Sum
Mean_Bts_Power	INTENSITY	INTEGER	Mean BTS power	SCANBTSE.MBTSPWR_1	Average	Average, Maximum, Minimum, seccchbh, sectchbh, Sum
Times_Rxqual_Tch_Level_5_Or_Less_Ms_With_Arp_Capability	ACCUMULATION	INTEGER	Number of times when a certain received bit error rate	SCANBTSE.RXQUALRP_1	Sum	seccchbh, sectchbh, Sum

			(RXQUAL value) was reported for a specific TCH - RXQUAL level 5 or less for MS with ARP capability			
Times_Rxqual_Tch_Level_6_Ms_With_Arp_Capability	ACCUMULATION	INTEGER	Number of times when a certain received bit error rate (RXQUAL value) was reported for a specific TCH - RXQUAL level 6 for MS with ARP capability	SCANBTSE.RXQUALRP_2	Sum	seccchbh , sectchbh, Sum
Times_Rxqual_Tch_Level_7_Ms_With_Arp_Capability	ACCUMULATION	INTEGER	Number of times when a certain received bit error rate (RXQUAL value) was reported for a specific TCH - RXQUAL level 7 for MS with ARP capability	SCANBTSE.RXQUALRP_3	Sum	seccchbh , sectchbh, Sum

7.5.78 Cell.Siemens.GSM.PRACH_messages

PRACH messages

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KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Failed_due_to_excess_distance	ACCUMULATION	INTEGER	Number of invalid PRACH messages due to excessive distance. (NSAPRACH)	SCANGPRS.NSAPRACH_3	Sum	seclcbh, seclctbh, sectchbh, Sum
Failed_due_to_other_causes	ACCUMULATION	INTEGER	Number of invalid PRACH messages due to other causes. (NSAPRACH)	SCANGPRS.NSAPRACH_4	Sum	seclcbh, seclctbh, sectchbh, Sum
Failed_due_to_weak_signal	ACCUMULATION	INTEGER	Number of invalid PRACH messages due to weak signal level. (NSAPRACH)	SCANGPRS.NSAPRACH_2	Sum	seclcbh, seclctbh, sectchbh, Sum
Successful_PRACH_accesses	ACCUMULATION	INTEGER	Number of successful accesses to PRACH. (NSAPRACH)	SCANGPRS.NSAPRACH_1	Sum	seclcbh, seclctbh, sectchbh, Sum

7.5.79 Cell.Siemens.GSM.QoS_Interference

Cell related QoS Interference measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
MEAN_IDLE_TCH_WITHIN_INTERFERENCE_BAND1	INTENSITY	FLOAT	Mean number of idle TCHs within interference band 1	SCANBTS.MEITCHIB_1	Average	Average, Maximum, Minimum,

						seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
MEAN_IDLE_T CH_WITHIN_IN TERFERENCE_ BAND2	INTENSI TY	FLOA T	Mean number of idle TCHs within interference band 2	SCANBTS.MEITCHI B_2	Average	Average, Maximu m, Minimu m, seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
MEAN_IDLE_T CH_WITHIN_IN TERFERENCE_ BAND3	INTENSI TY	FLOA T	Mean number of idle TCHs within interference band 3	SCANBTS.MEITCHI B_3	Average	Average, Maximu m, Minimu m, seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
MEAN_IDLE_T CH_WITHIN_IN TERFERENCE_ BAND4	INTENSI TY	FLOA T	Mean number of idle TCHs within interference band 4	SCANBTS.MEITCHI B_4	Average	Average, Maximu m, Minimu m, seccchbh , seclctbh ,

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						sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH_WITHIN_INTERFERENCE_BAND5	INTENSITY	FLOAT	Mean number of idle TCHs within interference band 5	SCANBTS.MEITCHIB_5	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum

7.5.80 Cell.Siemens.GSM.Radio_Queuing

Cell related Radio Queuing measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_Queuing_failures	PERCENTAGE	FLOAT	Queuing_Failure_Rate	$100 * (\{Queuing_failures\}) / (\{Siemens.Assignment_SDCCH_and_TCH_Full_Rate.ATTEMPTED_ASS_ON_TCH\} + \{Siemens.Assignment_TCH_HalfRate.ATTEMPTED_ASS_ON_TCH\})$	Average	Average, seccchbh, secrlctbh, sectchbh, sectchfrbh, sectchhrbh
DISCARDED_ASS_REQUEST_TCH_FULL	ACCUMULATION	INT8	Number of discarded assignment request for a Fullrate TCH	SCANBTS.NMSGDISQ_1	Sum	seccchbh, secrlctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
DISCARDED_	ACCUMULATION	INT8	Number of	SCANBTS.NMSGDI	Sum	seccchbh

ASS_REQUEST_TCH_HALF	TION		discarded assignment request for a Halfrate TCH	SQ_2		, secrctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
DISCARDED_HO_REQUEST_TCH_FULL	ACCUMULATION	INT8	Number of discarded handover request for a Fullrate TCH	SCANBTS.NMSGDI SQ_3	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
DISCARDED_HO_REQUEST_TCH_HALF	ACCUMULATION	INT8	Number of discarded handover request for a halfrate TCH	SCANBTS.NMSGDI SQ_4	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
MEAN_DURATION_ASS_REQUEST_TCH_FULL	INTENSITY	FLOAT	Mean duration an assignment request for a fullrate TCH is queued	SCANBTS.MDURTC RQ_1	Average	Average, Maximum, Minimum, seccchbh , secrctbh , sectchbh, sectchfrbh, sectchhrbh, Sum

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MEAN_DURATION_ASS_REQUEST_TCH_HALF	INTENSITY	FLOAT	Mean duration an assignment request for a half-rate TCH is queued	SCANBTS.MDURTCRQ_2	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
MEAN_DURATION_HO_REQUEST_TCH_FULL	INTENSITY	FLOAT	Mean duration a handover request for a full-rate TCH is queued	SCANBTS.MDURTCRQ_3	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
MEAN_DURATION_HO_REQUEST_TCH_HALF	INTENSITY	FLOAT	Mean duration a handover request for a half-rate TCH is queued	SCANBTS.MDURTCRQ_4	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
MEAN_QUEUE_OF_TCH_F	INTENSITY	FLOAT	Mean Full-rate TCH queue	SCANBTS.MTCHQLEN_1	Average	Average, Maximum

ULL_REQUE STS			length			m, Minimu m, secccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
MEAN_QUEU E_OF_TCH_H ALF_REQUE STS	INTENSITY	FLOA T	Mean Halfrate TCH queue length	SCANBTS.MTCHQL EN_2	Average	Average, Maximu m, Minimu m, secccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
Queuing_failur es	ACCUMULA TION	INTEG ER	Queuing_Fail ures	SCANBTS.NMSGDI SQ_1 + NMSGDISQ_2	Sum	secccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum

7.5.81 Cell.Siemens.GSM.Radio_Resource_diffserv

Packet Flow Related Measurements for different services

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KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Attempted_PDCH_Assign_For_Dl_Tbf_For_Backserv	ACCUMULATION	INT8	Number of attempted PDCH assignments for an downlink TBF for background services	SCANGPRS.NUACAT CL_6	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum
Attempted_PDCH_Assign_For_Dl_Tbf_For_Interserv	ACCUMULATION	INT8	Number of attempted PDCH assignments for an downlink TBF for interactive services	SCANGPRS.NUACAT CL_4	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum
Attempted_PDCH_Assign_For_Dl_Tbf_For_Streserv	ACCUMULATION	INT8	Number of attempted PDCH assignments for an downlink TBF for streaming services	SCANGPRS.NUACAT CL_5	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum
Attempted_PDCH_Assign_For_Ul_Tbf_For_Backserv	ACCUMULATION	INT8	Number of attempted PDCH assignments for an uplink TBF for background services	SCANGPRS.NUACAT CL_3	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum
Attempted_PDCH_Assign_For_Ul_Tbf_For_Interserv	ACCUMULATION	INT8	Number of attempted PDCH assignments for an uplink TBF for interactive	SCANGPRS.NUACAT CL_1	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum

			services			
Attempted_PDCH_Assign_For_Ul_Tbf_For_Streserv	ACCUMULATION	INT8	Number of attempted PDCH assignments for an uplink TBF for streaming services	SCANGPRS.NUACATCL_2	Sum	sebpclbh, secrclbh, secrcltcbh, sectchbh, Sum
Attempted_uplink_TBFassignment_with_TBF_mode	ACCUMULATION	INT8	Number of attempted early TBF assignments for an uplink TBF by early TBF establishing mode	SCANGPRS.NUAELTCL_1	Sum	sebpclbh, secrclbh, secrcltcbh, sectchbh, Sum
Attempted_uplink_TBFassignment_without_TBF_mode	ACCUMULATION	INT8	Number of attempted early TBF assignments for an uplink TBF without early TBF establishing mode	SCANGPRS.NUAELTCL_2	Sum	sebpclbh, secrclbh, secrcltcbh, sectchbh, Sum
Mean_early_TBF_assign_for_streaming	INTENSITY	FLOAT	Mean value of early TBF assignments for streaming	$(SCANGPRS.NUACATCL_2 * NUAELTCL_1) / (NUAELTCL_1 + NUAELTCL_2)$	Average	sebpclbh, secrclbh, secrcltcbh, sectchbh, Sum, Minimum, Maximum
Reject_PDCH	ACCUMULATION	INT8	Rejected	SCANGPRS.REJPDA	Sum	sebpclbh,

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_Assign_No_Radio_Resource_Dl_Tbf	TION		PDCH Assignments - No Abis subchannel available for a uplink TBF for background services	SS_3		seclcbh, seclctbh, sectchbh, Sum
Reject_PDCH_Assign_No_Radio_Resource_Ul_Tbf	ACCUMULATION	INT8	Rejected PDCH Assignments - No Abis subchannel available for a uplink TBF for interactive services	SCANGPRS.REJPDA SS_1	Sum	sebpclbh, seclcbh, seclctbh, sectchbh, Sum
Reject_PDCH_Assign_Others_Dl_Tbf	ACCUMULATION	INT8	Rejected PDCH Assignments - No PDT at PCU available for a uplink TBF for interactive services	SCANGPRS.REJPDA SS_4	Sum	sebpclbh, seclcbh, seclctbh, sectchbh, Sum
Reject_PDCH_Assign_Others_Ul_Tbf	ACCUMULATION	INT8	Rejected PDCH Assignments - No Abis subchannel available for a uplink TBF for streaming services	SCANGPRS.REJPDA SS_2	Sum	sebpclbh, seclcbh, seclctbh, sectchbh, Sum
Rejected_PDCH_Assign_Abis_Sub_Unavail_Dl_Tbf_For_Backserv	ACCUMULATION	INT8	Rejected PDCH Assignments - No Abis subchannel available for a downlink TBF	SCANGPRS.REJPDA SS_15	Sum	sebpclbh, seclcbh, seclctbh, sectchbh, Sum

			for background services			
Rejected_PDCH_Assign_Abis_Sub_Unavail_Dl_Tbf_For_Interserv	ACCUMULATION	INT8	Rejected PDCH Assignments - No Abis subchannel available for a downlink TBF for interactive services	SCANGPRS.REJPDA SS_13	Sum	sebpclbh, secrclbh, secrlctbh, sectchbh, Sum
Rejected_PDCH_Assign_Abis_Sub_Unavail_Dl_Tbf_For_Streserv	ACCUMULATION	INT8	Rejected PDCH Assignments - No Abis subchannel available for a downlink TBF for streaming services	SCANGPRS.REJPDA SS_14	Sum	sebpclbh, secrclbh, secrlctbh, sectchbh, Sum
Rejected_PDCH_Assign_Due_To_Unavail_UL_Tbf_For_Backserv	ACCUMULATION	INT8	Rejected PDCH Assignments - No PDT at PCU available for a uplink TBF for background services	SCANGPRS.REJPDA SS_6	Sum	sebpclbh, secrclbh, secrlctbh, sectchbh, Sum
Rejected_PDCH_Assign_Other_Dl_Tbf_Causesfor_Backserv	ACCUMULATION	INT8	Rejected PDCH Assignments - Other downlink TBF causes for background services	SCANGPRS.REJPDA SS_24	Sum	sebpclbh, secrclbh, secrlctbh, sectchbh, Sum

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Rejected_PD CH_Assign_O ther_DL_Tbf_ Causesfor_Int erserv	ACCUMULA TION	INT8	Rejected PDCH Assignments - Other downlink TBF causes for interactive services	SCANGPRS.REJPDA SS_22	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
Rejected_PD CH_Assign_O ther_DL_Tbf_ Causesfor_Str eserv	ACCUMULA TION	INT8	Rejected PDCH Assignments - Other downlink TBF causes for streaming services	SCANGPRS.REJPDA SS_23	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
Rejected_PD CH_Assign_O ther_UL_Tbf_ Causesfor_Ba ckserv	ACCUMULA TION	INT8	Rejected PDCH Assignments - Other uplink TBF causes for background services	SCANGPRS.REJPDA SS_12	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
Rejected_PD CH_Assign_O ther_UL_Tbf_ Causesfor_Int erserv	ACCUMULA TION	INT8	Rejected PDCH Assignments - Other uplink TBF causes for interactive services	SCANGPRS.REJPDA SS_10	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
Rejected_PD CH_Assign_O ther_UL_Tbf_ Causesfor_Str eserv	ACCUMULA TION	INT8	Rejected PDCH Assignments - Other uplink TBF causes for streaming services	SCANGPRS.REJPDA SS_11	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
Rejected_PD CH_Assign_P dt_At_PCU_ Unavail_DL_T bf_For_Backs	ACCUMULA TION	INT8	Rejected PDCH Assignments - No PDT at PCU available	SCANGPRS.REJPDA SS_18	Sum	sebpclbh, seclcbh, seclctbh , sectchbh,

erv			for a downlink TBF for background services			Sum
Rejected_PDCH_Assign_Pdt_At_PCU_Unavail_DL_Tbf_For_Interserv	ACCUMULATION	INT8	Rejected PDCH Assignments - No PDT at PCU available for a downlink TBF for interactive services	SCANGPRS.REJPDA SS_16	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum
Rejected_PDCH_Assign_Pdt_At_PCU_Unavail_DL_Tbf_For_Streserv	ACCUMULATION	INT8	Rejected PDCH Assignments - No PDT at PCU available for a downlink TBF for streaming services	SCANGPRS.REJPDA SS_17	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum
Rejected_PDCH_Assign_Tdpc_Timer_Expirations_For_UL_Tbf	ACCUMULATION	INT8	Rejected PDCH Assignments - Short TDPC timer expirations for uplink TBF	SCANGPRS.REJPDA SS_25	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum
Rejected_PDCH_Due_To_Unavail_UL_Tbf_For_Streserv	ACCUMULATION	INT8	Rejected PDCH Assignments - No PDT at PCU available for a uplink TBF for streaming services	SCANGPRS.REJPDA SS_5	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum

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Rejected_PD CH_Unavail_ Dl_Tbffor_Ba ckserv	ACCUMULA TION	INT8	Rejected PDCH Assignments - No radio resource (PDCH) available for a downlink TBF for background services	SCANGPRS.REJPDA SS_21	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
Rejected_PD CH_Unavail_ Dl_Tbffor_Int erserv	ACCUMULA TION	INT8	Rejected PDCH Assignments - No radio resource (PDCH) available for a downlink TBF for interactive services	SCANGPRS.REJPDA SS_19	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
Rejected_PD CH_Unavail_ Dl_Tbffor_Str eserv	ACCUMULA TION	INT8	Rejected PDCH Assignments - No radio resource (PDCH) available for a downlink TBF for streaming services	SCANGPRS.REJPDA SS_20	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
Rejected_PD CH_Unavail_ Ul_Tbf_For_ Backserv	ACCUMULA TION	INT8	Rejected PDCH Assignments - No radio resource (PDCH) available for a uplink TBF for background services	SCANGPRS.REJPDA SS_9	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
Rejected_PD	ACCUMULA	INT8	Rejected	SCANGPRS.REJPDA	Sum	sebpclbh,

CH_Unavail_ UI_Tbf_For_I nterserv	TION		PDCH Assignments - No radio resource (PDCH) available for a uplink TBF for interactive services	SS_7		seclcbh, seclctbh , sectchbh, Sum
Rejected_PD CH_Unavail_ UI_Tbf_For_S treserv	ACCUMULA TION	INT8	Rejected PDCH Assignments - No radio resource (PDCH) available for a uplink TBF for streaming services	SCANGPRS.REJPDA SS_8	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
Succ_PDCH_ Seizures_DI	ACCUMULA TION	INT8	Number of successful PDCH seizures for an uplink TBF for streaming services	SCANGPRS.SULACC EL_2	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
Succ_PDCH_ Seizures_For_ DI_Tbf_For_ Backserv	ACCUMULA TION	INT8	Number of successful PDCH seizures for an downlink TBF for background services	SCANGPRS.SULACC EL_7	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
Succ_PDCH_ Seizures_For_ DI_Tbf_For_I nterserv	ACCUMULA TION	INT8	Number of successful PDCH seizures for an downlink TBF	SCANGPRS.SULACC EL_5	Sum	sebpclbh, seclcbh, seclctbh , sectchbh,

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			for interactive services			Sum
Succ_PDCH_Seizures_For_DL_Tbf_For_S treserv	ACCUMULATION	INT8	Number of successful PDCH seizures for an downlink TBF for streaming services	SCANGPRS.SULACC EL_6	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
Succ_PDCH_Seizures_For_UL_Tbf_early TBF	ACCUMULATION	INT8	Number of successful PDCH seizures for an uplink TBF by early TBF establishing mode	SCANGPRS.SULACC EL_4	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
Succ_PDCH_Seizures_For_UL_Tbf_For_ Backserv	ACCUMULATION	INT8	Number of successful PDCH seizures for an uplink TBF for background services	SCANGPRS.SULACC EL_3	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
Succ_PDCH_Seizures_UL	ACCUMULATION	INT8	Number of successful PDCH seizures for an uplink TBF for interactive services	SCANGPRS.SULACC EL_1	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum

7.5.82 Cell.Siemens.GSM.Radio_Resource

Cell Radio Resource Measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_Failure_TBF	PERCENTAGE	FLOAT	TBF Establishmen	100 * ({Siemens.Radio_Res	Average	Average, sebpclbh,

_estab_PDCH_c ong_DL			t Failure Rate PDCH Congestion DL	source.REJECT_PDCH_ASSIGN_NO_RADIO_RESOURCE_DL_TBF})/ ({Siemens.Radio_Resource.ATT_PDCH_ASSIGNMENTS_DL})		seclcbh, seclctbh , sectchbh
%_Failure_TBF_estab_PDCH_c ong_UL	PERCENTAGE	FLOAT	TBF Establishment t Failure Rate PDCH Congestion UL	100 * ({Siemens.Radio_Resource.REJECT_PDCH_ASSIGN_NO_RADIO_RESOURCE_UL_TBF})/ ({Siemens.Radio_Resource.ATT_PDCH_ASSIGNMENTS_UL})	Average	Average, sebpclbh, seclcbh, seclctbh , sectchbh
%_Successful_PDCH_Reassign	PERCENTAGE	FLOAT	Percentage successful pkt resource reassignments	100 * {PDCH_REASSIGNMENT_SUCCESSFUL}/ {PDCH_REASSIGNMENT_ATTEMPTS}	Average	Average, sebpclbh, seclcbh, seclctbh , sectchbh
%_Successful_TBF_establish_DL	PERCENTAGE	FLOAT	TBF_Establishment_Success_Rate_UL	100 * ({Siemens.Radio_Resource.SUCC_PDCH_SEIZURES_DL})/ ({Siemens.Radio_Resource.ATT_PDCH_ASSIGNMENTS_DL})	Average	Average, sebpclbh, seclcbh, seclctbh , sectchbh
%_Successful_TBF_establish_UL	PERCENTAGE	FLOAT	TBF_Establishment_Success_Rate_DL	100 * ({Siemens.Radio_Resource.SUCC_PDCH_SEIZURES_UL})/ ({Siemens.Radio_Resource.ATT_PDCH_ASSIGNMENTS_UL})	Average	Average, sebpclbh, seclcbh, seclctbh , sectchbh

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ATT_PDCH_ASSIGNMENTS_DL	ACCUMULATION	INT8	Attempted PDCH Assignments for downlink TBF	SCANGPRS.NUACATCL_4+NUACATCL_5+NUACATCL_6	Sum	sebpclbh, secrclcbh, secrlctbh, sectchbh, Sum
ATT_PDCH_ASSIGNMENTS_UL	ACCUMULATION	INT8	Attempted PDCH Assignments for uplink TBF	SCANGPRS.NUACATCL_1+NUACATCL_2+NUACATCL_3	Sum	sebpclbh, secrclcbh, secrlctbh, sectchbh, Sum
ATT_PDCH_REASSIGN_DL_TBF	ACCUMULATION	INT8	Attempted packet resource reassignments downlink TBF	SCANGPRS.NATPRE_2	Sum	sebpclbh, secrclcbh, secrlctbh, sectchbh, Sum
ATT_PDCH_REASSIGN_UL_TBF	ACCUMULATION	INT8	Attempted packet resource reassignments uplink TBF	SCANGPRS.NATPRE_1	Sum	sebpclbh, secrclcbh, secrlctbh, sectchbh, Sum
AVE_GPRS_TERRITORY	INTENSITY	FLOAT	Mean number of available PDCH	SCANGPRS.NAVPDCH_3	Average	Average, Maximum, Minimum, sebpclbh, secrclcbh, secrlctbh, sectchbh, Sum
MAX_GPRS_TERRITORY	INTENSITY	FLOAT	Maximum number of available PDCH	SCANGPRS.NAVPDCH_2	Average	sebpclbh, secrclcbh, secrlctbh, sectchbh, Sum, Minimum,

						Maximum
Mean_Active_Dl_Tbf_For_Backserv	INTENSITY	FLOAT	Mean number of active downlink TBF for background services	SCANGPRS.NACTTBF_16	Average	Average, Maximum, Minimum, sebpclbh, secrclcbh, secrlctbh, sectchbh, Sum
Mean_Active_Dl_Tbf_For_Interserv	INTENSITY	FLOAT	Mean number of active downlink TBF for interactive services	SCANGPRS.NACTTBF_14	Average	Average, Maximum, Minimum, sebpclbh, secrclcbh, secrlctbh, sectchbh, Sum
Mean_Active_Dl_Tbf_For_Stresserv	INTENSITY	FLOAT	Mean number of active downlink TBF for streaming services	SCANGPRS.NACTTBF_15	Average	Average, Maximum, Minimum, sebpclbh, secrclcbh, secrlctbh, sectchbh, Sum
MEAN_ACTIVE_TBF_DL	INTENSITY	FLOAT	Mean number of active TBF downlink	SCANGPRS.NACTTBF_13	Average	Average, Maximum, Minimum

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						m, sebpclbh, secrxcbh, secrctbh , sectchbh, Sum
MEAN_ACTIVE_TBF_UL	INTENSITY	FLOAT	Mean number of active TBF uplink	SCANGPRS.NACTTBF_5	Average	Average, Maximum, Minimum, sebpclbh, secrxcbh, secrctbh , sectchbh, Sum
Mean_Active_Ul_Tbf_For_Backserv	INTENSITY	FLOAT	Mean number of active uplink TBF for background services	SCANGPRS.NACTTBF_8	Average	Average, Maximum, Minimum, sebpclbh, secrxcbh, secrctbh , sectchbh, Sum
Mean_Active_Ul_Tbf_For_Interserv	INTENSITY	FLOAT	Mean number of active uplink TBF for interactive services	SCANGPRS.NACTTBF_6	Average	Average, Maximum, Minimum, sebpclbh, secrxcbh, secrctbh , sectchbh, Sum
Mean_Active_Ul_Tbf_For_Stresserv	INTENSITY	FLOAT	Mean number of active uplink	SCANGPRS.NACTTBF_7	Average	Average, Maximum,

			TBF for streaming services			Minimum, sebpclbh, secrxcbh, secrctbh, sectchbh, Sum
MIN_GPRS_TERRITORY	INTENSITY	FLOAT	Minimum number of available PDCH	SCANGPRS.NAVPDCH_1	Average	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum, Minimum, Maximum
PDCH_ATTEMPT_WITHOUT_RES_ALLOC	ACCUMULATION	INT8	No. attempted accesses/cell with no radio resources	SCANGPRS.TANRGRPRS_1	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum
PDCH_REASSIGNMENT_ATTEMPTS	ACCUMULATION	INTEGER	No. of attempted pkt resource reassignments	SCANGPRS.NATPRRE_1+NATPRRE_2	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum
PDCH_REASSIGNMENT_SUCCESSFUL	ACCUMULATION	INTEGER	No. of successful pkt resource reassignments	SCANGPRS.NSUPRRE_1 + NSUPRRE_2	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum
PDTCH_CONNECTION_DL	INTENSITY	INTEGER	Obsolete in BR8.0; No.	SCANGPRS.C9_15_4	Average	Average, Maximum

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			of GPRS (PDTCH) connections / cell - Downlink			m, Minimum, sebpclbh, secrclcbh, secrlctbh, sectchbh, Sum
REJECT_PDC H_ASSIGN_N O_RADIO_RE SOURCE_DL_ TBF	ACCUMULA TION	INT8	Rejected PDCH Assignments no radio resource downlink TBF	SCANGPRS.REJPD ASS_19+REJPDASS _20+REJPDASS_21	Sum	sebpclbh, secrclcbh, secrlctbh , sectchbh, Sum
REJECT_PDC H_ASSIGN_N O_RADIO_RE SOURCE_UL_ TBF	ACCUMULA TION	INT8	Rejected PDCH Assignments no radio resource uplink TBF	SCANGPRS.REJPD ASS_7+REJPDASS_ 8+REJPDASS_9	Sum	sebpclbh, secrclcbh, secrlctbh , sectchbh, Sum
REJECT_PDC H_ASSIGN_OT HERS_DL_TB F	ACCUMULA TION	INT8	Rejected PDCH Assignments others downlink TBF	SCANGPRS.REJPD ASS_13+REJPDASS _14+REJPDASS_15+ REJPDASS_16+REJ PDASS_17+REJPD ASS_18+REJPDASS_2 2+REJPDASS_23+R EJPDASS_24	Sum	sebpclbh, secrclcbh, secrlctbh , sectchbh, Sum
REJECT_PDC H_ASSIGN_OT HERS_UL_TB F	ACCUMULA TION	INT8	Rejected PDCH Assignments others uplink TBF	SCANGPRS.REJPD ASS_1+REJPDASS_ 2+REJPDASS_3+RE JPDASS_4+REJPD ASS_5+REJPDASS_6 +REJPDASS_10+RE JPDASS_11+REJPD ASS_12+REJPDASS _25	Sum	sebpclbh, secrclcbh, secrlctbh , sectchbh, Sum
RETRA_PDU_ CS1_DL	ACCUMULA TION	INT8	Retransmitte d PDUs CS-1 downlink	SCANGPRS.NRETP DU_14	Sum	sebpclbh, secrclcbh, secrlctbh ,

						sectchbh, Sum
RETRA_PDU_ CS1_UL	ACCUMULA TION	INT8	Retransmitte d PDUs CS-1 uplink	SCANGPRS.NRETP DU_1	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
RETRA_PDU_ CS2_DL	ACCUMULA TION	INT8	Retransmitte d PDUs CS-2 downlink	SCANGPRS.NRETP DU_15	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
RETRA_PDU_ CS2_UL	ACCUMULA TION	INT8	Retransmitte d PDUs CS-2 uplink	SCANGPRS.NRETP DU_2	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
RETRA_PDU_ CS3_DL	ACCUMULA TION	INT8	Retransmitte d PDUs CS-3 downlink	SCANGPRS.NRETP DU_16	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
RETRA_PDU_ CS3_UL	ACCUMULA TION	INT8	Retransmitte d PDUs CS-3 uplink	SCANGPRS.NRETP DU_3	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
RETRA_PDU_ CS4_DL	ACCUMULA TION	INT8	Retransmitte d PDUs CS-4 downlink	SCANGPRS.NRETP DU_17	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum

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RETRA_PDU_CS4_UL	ACCUMULATION	INT8	Retransmitted PDUs CS-4 uplink	SCANGPRS.NRETPDU_4	Sum	sebpclbh, seclcbh, seclctbh, sectchbh, Sum
RETRA_PDU_DL	ACCUMULATION	INT8	Number of retransmitted PDUs (downlink)	SCANGPRS.NRETPDU_14+NRETPDU_15+NRETPDU_16+NRETPDU_17+NRETPDU_18+NRETPDU_19+NRETPDU_20+NRETPDU_21+NRETPDU_22+NRETPDU_23+NRETPDU_24+NRETPDU_25+NRETPDU_26	Sum	sebpclbh, seclcbh, seclctbh, sectchbh, Sum
RETRA_PDU_MSC1_DL	ACCUMULATION	INT8	Retransmitted PDUs MSC-1 downlink	SCANGPRS.NRETPDU_18	Sum	sebpclbh, seclcbh, seclctbh, sectchbh, Sum
RETRA_PDU_MSC1_UL	ACCUMULATION	INT8	Retransmitted PDUs MSC-1 uplink	SCANGPRS.NRETPDU_5	Sum	sebpclbh, seclcbh, seclctbh, sectchbh, Sum
RETRA_PDU_MSC2_DL	ACCUMULATION	INT8	Retransmitted PDUs MSC-2 downlink	SCANGPRS.NRETPDU_19	Sum	sebpclbh, seclcbh, seclctbh, sectchbh, Sum
RETRA_PDU_MSC2_UL	ACCUMULATION	INT8	Retransmitted PDUs MSC-2 uplink	SCANGPRS.NRETPDU_6	Sum	sebpclbh, seclcbh, seclctbh, sectchbh, Sum
RETRA_PDU_	ACCUMULATION	INT8	Retransmitted	SCANGPRS.NRETP	Sum	sebpclbh,

MSC3_DL	TION		d PDUs MSC-3 downlink	DU_20		seclcbh, seclctbh , sectchbh, Sum
RETRA_PDU_ MSC3_UL	ACCUMULA TION	INT8	Retransmitte d PDUs MSC-3 uplink	SCANGPRS.NRETP DU_7	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
RETRA_PDU_ MSC4_DL	ACCUMULA TION	INT8	Retransmitte d PDUs MSC-4 downlink	SCANGPRS.NRETP DU_21	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
RETRA_PDU_ MSC4_UL	ACCUMULA TION	INT8	Retransmitte d PDUs MSC-4 uplink	SCANGPRS.NRETP DU_8	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
RETRA_PDU_ MSC5_DL	ACCUMULA TION	INT8	Retransmitte d PDUs MSC-5 downlink	SCANGPRS.NRETP DU_22	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
RETRA_PDU_ MSC5_UL	ACCUMULA TION	INT8	Retransmitte d PDUs MSC-5 uplink	SCANGPRS.NRETP DU_9	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
RETRA_PDU_ MSC6_DL	ACCUMULA TION	INT8	Retransmitte d PDUs MSC-6	SCANGPRS.NRETP DU_23	Sum	sebpclbh, seclcbh, seclctbh

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			downlink			, sectchbh, Sum
RETRA_PDU_MSC6_UL	ACCUMULATION	INT8	Retransmitted PDUs MSC-6 uplink	SCANGPRS.NRETP DU_10	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum
RETRA_PDU_MSC7_DL	ACCUMULATION	INT8	Retransmitted PDUs MSC-7 downlink	SCANGPRS.NRETP DU_24	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum
RETRA_PDU_MSC7_UL	ACCUMULATION	INT8	Retransmitted PDUs MSC-7 uplink	SCANGPRS.NRETP DU_11	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum
RETRA_PDU_MSC8_DL	ACCUMULATION	INT8	Retransmitted PDUs MSC-8 downlink	SCANGPRS.NRETP DU_25	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum
RETRA_PDU_MSC8_UL	ACCUMULATION	INT8	Retransmitted PDUs MSC-8 uplink	SCANGPRS.NRETP DU_12	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum
RETRA_PDU_MSC9_DL	ACCUMULATION	INT8	Retransmitted PDUs MSC-9 downlink	SCANGPRS.NRETP DU_26	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum
RETRA_PDU_MSC9_UL	ACCUMULATION	INT8	Retransmitted PDUs	SCANGPRS.NRETP DU_13	Sum	sebpclbh, secrxcbh,

			MSC-9 uplink			seclctbh , sectchbh, Sum
RETRA_PDU_ UL	ACCUMULA TION	INT8	Number of retransmitted PDUs (uplink)	SCANGPRS.NRETP DU_1+NRETPDU_2 +NRETPDU_3+NRE TPDU_4+NRETPDU _5+NRETPDU_6+N RETPDU_7+NRETP DU_8+NRETPDU_9 +NRETPDU_10+NR ETPDU_11+NRETP DU_12+NRETPDU_ 13	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
SUCC_PDCH_ REASSIGN_D L_TBF	ACCUMULA TION	INT8	Successful packet resource reassignment s downlink TBF	SCANGPRS.NSUPR RE_2	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
SUCC_PDCH_ REASSIGN_U L_TBF	ACCUMULA TION	INT8	Successful packet resource reassignment s uplink TBF	SCANGPRS.NSUPR RE_1	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
SUCC_PDCH_ SEIZURES_DL	ACCUMULA TION	INT8	Successful PDCH seizures for downlink TBF	SCANGPRS.SULAC CEL_5+SULACCEL _6+SULACCEL_7	Sum	sebpclbh, seclcbh, seclctbh , sectchbh, Sum
SUCC_PDCH_ SEIZURES_UL	ACCUMULA TION	INT8	Successful PDCH seizures for uplink TBF	SCANGPRS.SULAC CEL_1+SULACCEL _2+SULACCEL_3+S ULACCEL_4	Sum	sebpclbh, seclcbh, seclctbh , sectchbh,

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						Sum
Total_Active_Dl_Tbf_For_Backserv	ACCUMULATION	INTEGER	Total number of active downlink TBF for background services	SCANGPRS.NACTTBF_12	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum
Total_Active_Dl_Tbf_For_Interserv	ACCUMULATION	INTEGER	Total number of active downlink TBF for interactive services	SCANGPRS.NACTTBF_10	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum
Total_Active_Dl_Tbf_For_Stresserv	ACCUMULATION	INTEGER	Total number of active downlink TBF for streaming services	SCANGPRS.NACTTBF_11	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum
TOTAL_ACTIVE_TBF_DL	ACCUMULATION	INT8	Total number of active TBF downlink	SCANGPRS.NACTTBF_9	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum
TOTAL_ACTIVE_TBF_UL	ACCUMULATION	INT8	Total number of active TBF uplink	SCANGPRS.NACTTBF_1	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum
Total_Active_Ul_Tbf_For_Backserv	ACCUMULATION	INTEGER	Total number of active uplink TBF for background services	SCANGPRS.NACTTBF_4	Sum	sebpclbh, secrxcbh, secrctbh, sectchbh, Sum
Total_Active_Ul_Tbf_For_Interserv	ACCUMULATION	INTEGER	Total number of active uplink TBF for	SCANGPRS.NACTTBF_2	Sum	sebpclbh, secrxcbh, secrctbh,

			interactive services			sectchbh, Sum
Total_Active_Ul_Tbf_For_Stresserv	ACCUMULATION	INTEGER	Total number of active uplink TBF for streaming services	SCANGPRS.NACTTBF_3	Sum	sebpclbh, secrclbh, secrlctbh, sectchbh, Sum

7.5.83 Cell.Siemens.GSM.Received_flush_PDUs

Received flush PDUs

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Received_flush_PDUs_on_Gb	ACCUMULATION	INTEGER	Obsolete in BR9.0, This measurement provides the number of cell reselections (outgoing) indicated by the reception of a FLUSH-PDU on the Gb interface. (NRRFPDU)	SCANGPRS.NRRFPDU_0	Sum	secrlcbh, secrlctbh, sectchbh, Sum

7.5.84 Cell.Siemens.GSM.Reselection_attempts

Reselection attempts

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Attempts_external_GSM_t	ACCUMULATION	INTEGER	Number of attempted	SCANGPRS.ATCRO RIG_8	Sum	secrlcbh, secrlctbh

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arget			network assisted cell reselection where the BSC accepts the external proposed GSM target cell			, sectchbh, Sum
Attempts_internal_GSM_target	ACCUMULATION	INTEGER	Number of attempted network assisted cell reselection where the BSC accepts the internal proposed GSM target cell	SCANGPRS.ATCRO RIG_7	Sum	seclcbh, seclctbh , sectchbh, Sum
Inter_BSC_network_controlled	ACCUMULATION	INTEGER	Number of attempted inter-BSC network controlled cell reselection to a GSM target cell	SCANGPRS.ATCRO RIG_2	Sum	seclcbh, seclctbh , sectchbh, Sum
Intra_BSC_network_controlled	ACCUMULATION	INTEGER	Number of attempted intra-BSC network controlled cell reselection to a GSM target cell	SCANGPRS.ATCRO RIG_1	Sum	seclcbh, seclctbh , sectchbh, Sum
Network_assisted_external	ACCUMULATION	INTEGER	Number of attempted network assisted cell reselection where the BSC sends	SCANGPRS.ATCRO RIG_6	Sum	seclcbh, seclctbh , sectchbh, Sum

			assistance data of external (different BSC) adjacent cell to the MS			
Network_assisted_internal	ACCUMULATION	INTEGER	Number of attempted network assisted cell reselection where the BSC sends assistance data of internal (same BSC) adjacent cell to the MS	SCANGPRS.ATCRO RIG_5	Sum	seclcbh, seclctbh, sectchbh, Sum
Network_assisted_reselection	ACCUMULATION	INTEGER	Number of attempted network assisted cell reselection	SCANGPRS.ATCRO RIG_4	Sum	seclcbh, seclctbh, sectchbh, Sum
Network_controlled_UMTS_target	ACCUMULATION	INTEGER	Number of attempted network controlled cell reselection to a UMTS target cell	SCANGPRS.ATCRO RIG_3	Sum	seclcbh, seclctbh, sectchbh, Sum
Selected_external_GSM_target	ACCUMULATION	INTEGER	Number of attempted network assisted cell reselection where the BSC selects an external GSM target	SCANGPRS.ATCRO RIG_10	Sum	seclcbh, seclctbh, sectchbh, Sum

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			cell			
Selected_inter nal_GSM_tar get	ACCUMULA TION	INTEG ER	Number of attempted network assisted cell reselection where the BSC selects an internal GSM target cell	SCANGPRS.ATCRO RIG_9	Sum	seclcbh, seclctbh , sectchbh, Sum

7.5.85 Cell.Siemens.GSM.RLC

Cell related RLC measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_BSSGP_RLC_USER_DATA_DL	PERCENTAGE	FLOAT	Holding KPI for denominator (RLC KPI group) of BSSGP_USER_DATA_Throughput_DL	$100 * (\{\text{Siemens.BSSGP.BSSGP_USER_DATA_Throughput_DL}\}) / (\{\text{RLC_USER_DATA_Throughput_DL}\})$	Average	Average, seclcbh, seclctbh, sectchbh
%_BSSGP_RLC_USER_DATA_UL	PERCENTAGE	FLOAT	Holding KPI for denominator (RLC KPI group) of BSSGP_USER_DATA_Throughput_UL	$100 * (\{\text{Siemens.BSSGP.BSSGP_USER_DATA_Throughput_UL}\}) / (\{\text{RLC_USER_DATA_Throughput_UL}\})$	Average	Average, seclcbh, seclctbh, sectchbh
%_DL_user_throughput_CS1	PERCENTAGE	FLOAT	Dist Of DL Radio Interface User Throughput Per Cell_On_Coding_Schemes_CS1	$100 * (\{\text{Siemens.RLC.MEAN_DATA_THRUPUT_CS1_DL}\}) / (\{\text{Siemens.RLC.RLC_USER_DATA_Throughput_DL}\})$	Average	Average, seclcbh, seclctbh, sectchbh

$\bar{\%_DL_user_throughput_CS2}$	PERCENTAGE	FLOAT	Dist Of DL Radio Interface User Throughput Per Cell_On_Coding_Schemes_CS2	$100 * \frac{({Siemens.RLC.MEAN_DATA_THRUPUT_CS2_DL})}{({Siemens.RLC.RLC_USER_DATA_Throughput_DL})}$	Average	Average, secrxcbh, secrctbh, sectchbh
$\bar{\%_DL_user_throughput_CS3}$	PERCENTAGE	FLOAT	Dist Of DL Radio Interface User Throughput Per Cell_On_Coding_Schemes_CS3	$100 * \frac{({Siemens.RLC.MEAN_DATA_THRUPUT_CS3_DL})}{({Siemens.RLC.RLC_USER_DATA_Throughput_DL})}$	Average	Average, secrxcbh, secrctbh, sectchbh
$\bar{\%_DL_user_throughput_CS4}$	PERCENTAGE	FLOAT	Dist Of DL Radio Interface User Throughput Per Cell_On_Coding_Schemes_CS4	$100 * \frac{({Siemens.RLC.MEAN_DATA_THRUPUT_CS4_DL})}{({Siemens.RLC.RLC_USER_DATA_Throughput_DL})}$	Average	Average, secrxcbh, secrctbh, sectchbh
$\bar{\%_DL_user_throughput_MCS1}$	PERCENTAGE	FLOAT	Dist Of DL Radio Interface User Throughput Per Cell_On_Coding_Schemes_MCS1	$100 * \frac{({Siemens.RLC.MEAN_DATA_THRUPUT_MCS1_DL})}{({Siemens.RLC.RLC_USER_DATA_Throughput_DL})}$	Average	Average, secrxcbh, secrctbh, sectchbh
$\bar{\%_DL_user_throughput_MCS2}$	PERCENTAGE	FLOAT	Dist Of DL Radio Interface User Throughput Per Cell_On_Coding_Schemes_MCS2	$100 * \frac{({Siemens.RLC.MEAN_DATA_THRUPUT_MCS2_DL})}{({Siemens.RLC.RLC_USER_DATA_Throughput_DL})}$	Average	Average, secrxcbh, secrctbh, sectchbh

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			MCS2			
$\frac{\text{DL_user_throughput_MCS3}}{\text{DL_user_throughput_MCS3}}$	PERCENTAGE	FLOAT	Dist Of DL Radio Interface User Throughput Per Cell_On_Coding_Schemes_MCS3	$100 * \frac{(\text{Siemens.RLC.MEAN_DATA_THRUPUT_MCS3_DL})}{(\text{Siemens.RLC.RLC_USER_DATA_Throughput_DL})}$	Average	Average, seclcbh, seclctbh, sectchbh
$\frac{\text{DL_user_throughput_MCS4}}{\text{DL_user_throughput_MCS4}}$	PERCENTAGE	FLOAT	Dist Of DL Radio Interface User Throughput Per Cell_On_Coding_Schemes_MCS4	$100 * \frac{(\text{Siemens.RLC.MEAN_DATA_THRUPUT_MCS4_DL})}{(\text{Siemens.RLC.RLC_USER_DATA_Throughput_DL})}$	Average	Average, seclcbh, seclctbh, sectchbh
$\frac{\text{DL_user_throughput_MCS5}}{\text{DL_user_throughput_MCS5}}$	PERCENTAGE	FLOAT	Dist Of DL Radio Interface User Throughput Per Cell_On_Coding_Schemes_MCS5	$100 * \frac{(\text{Siemens.RLC.MEAN_DATA_THRUPUT_MCS5_DL})}{(\text{Siemens.RLC.RLC_USER_DATA_Throughput_DL})}$	Average	Average, seclcbh, seclctbh, sectchbh
$\frac{\text{DL_user_throughput_MCS6}}{\text{DL_user_throughput_MCS6}}$	PERCENTAGE	FLOAT	Dist Of DL Radio Interface User Throughput Per Cell_On_Coding_Schemes_MCS6	$100 * \frac{(\text{Siemens.RLC.MEAN_DATA_THRUPUT_MCS6_DL})}{(\text{Siemens.RLC.RLC_USER_DATA_Throughput_DL})}$	Average	Average, seclcbh, seclctbh, sectchbh
$\frac{\text{DL_user_throughput_MCS7}}{\text{DL_user_throughput_MCS7}}$	PERCENTAGE	FLOAT	Dist Of DL Radio Interface User Throughput Per Cell_On_Coding_Schemes_MCS7	$100 * \frac{(\text{Siemens.RLC.MEAN_DATA_THRUPUT_MCS7_DL})}{(\text{Siemens.RLC.RLC_USER_DATA_Throughput_DL})}$	Average	Average, seclcbh, seclctbh, sectchbh
—	PERCENTAGE	FLOAT	Dist Of DL	100 *	Average	Average,

%_DL_user_thrput_MCS8	GE	T	Radio Interface User Throughput Per Cell_On_Coding_Schemes_MCS8	$\frac{({Siemens.RLC.MEAN_DATA_THRUPUT_MCS8_DL})}{({Siemens.RLC.RLC_USER_DATA_Throughput_DL})}$		seclcbh, seclctbh, sectchbh
%_DL_user_thrput_MCS9	PERCENTAGE	FLOAT	Dist Of DL Radio Interface User Throughput Per Cell_On_Coding_Schemes_MCS9	$100 * \frac{({Siemens.RLC.MEAN_DATA_THRUPUT_MCS9_DL})}{({Siemens.RLC.RLC_USER_DATA_Throughput_DL})}$	Average	Average, seclcbh, seclctbh, sectchbh
%_UL_user_thrput_CS1	PERCENTAGE	FLOAT	Dist Of UL Radio Interface User Throughput Per Cell_On_Coding_Schemes_CS1	$100 * \frac{({Siemens.RLC.MEAN_DATA_THRUPUT_CS1_UL})}{({Siemens.RLC.RLC_USER_DATA_Throughput_UL})}$	Average	Average, seclcbh, seclctbh, sectchbh
%_UL_user_thrput_CS2	PERCENTAGE	FLOAT	Dist Of UL Radio Interface User Throughput Per Cell_On_Coding_Schemes_CS2	$100 * \frac{({Siemens.RLC.MEAN_DATA_THRUPUT_CS2_UL})}{({Siemens.RLC.RLC_USER_DATA_Throughput_UL})}$	Average	Average, seclcbh, seclctbh, sectchbh
%_UL_user_thrput_CS3	PERCENTAGE	FLOAT	Dist Of UL Radio Interface User Throughput Per Cell_On_Coding_Schemes_CS3	$100 * \frac{({Siemens.RLC.MEAN_DATA_THRUPUT_CS3_UL})}{({Siemens.RLC.RLC_USER_DATA_Throughput_UL})}$	Average	Average, seclcbh, seclctbh, sectchbh

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$\bar{\%}_{UL_user_thrput_CS4}$	PERCENTAGE	FLOAT	Dist Of UL Radio Interface User Throughput Per Cell_On_Coding_Schemes_CS4	$100 * (\{Siemens.RLC.MEAN_DATA_THRUPUT_S4_UL\}) / (\{Siemens.RLC.RLC_USER_DATA_Throughput_UL\})$	Average	Average, secrxcbh, secrctbh, sectchbh
$\bar{\%}_{UL_user_thrput_MCS1}$	PERCENTAGE	FLOAT	Dist Of UL Radio Interface User Throughput Per Cell_On_Coding_Schemes_MCS1	$100 * (\{Siemens.RLC.MEAN_DATA_THRUPUT_MCS1_UL\}) / (\{Siemens.RLC.RLC_USER_DATA_Throughput_UL\})$	Average	Average, secrxcbh, secrctbh, sectchbh
$\bar{\%}_{UL_user_thrput_MCS2}$	PERCENTAGE	FLOAT	Dist Of UL Radio Interface User Throughput Per Cell_On_Coding_Schemes_MCS2	$100 * (\{Siemens.RLC.MEAN_DATA_THRUPUT_MCS2_UL\}) / (\{Siemens.RLC.RLC_USER_DATA_Throughput_UL\})$	Average	Average, secrxcbh, secrctbh, sectchbh
$\bar{\%}_{UL_user_thrput_MCS3}$	PERCENTAGE	FLOAT	Dist Of UL Radio Interface User Throughput Per Cell_On_Coding_Schemes_MCS3	$100 * (\{Siemens.RLC.MEAN_DATA_THRUPUT_MCS3_UL\}) / (\{Siemens.RLC.RLC_USER_DATA_Throughput_UL\})$	Average	Average, secrxcbh, secrctbh, sectchbh
$\bar{\%}_{UL_user_thrput_MCS4}$	PERCENTAGE	FLOAT	Dist Of UL Radio Interface User Throughput Per Cell_On_Coding_Schemes_MCS4	$100 * (\{Siemens.RLC.MEAN_DATA_THRUPUT_MCS4_UL\}) / (\{Siemens.RLC.RLC_USER_DATA_Throughput_UL\})$	Average	Average, secrxcbh, secrctbh, sectchbh
$\bar{\%}_{UL_user_thrput_MCS5}$	PERCENTAGE	FLOAT	Dist Of UL Radio Interface User	$100 * (\{Siemens.RLC.MEAN_DATA_THRUPUT_$	Average	Average, secrxcbh, secrctbh

			Throughput Per Cell_On_Codi ng_Schemes_ MCS5	MCS5_UL}))/ ({Siemens.RLC.RLC_ USER_DATA_Throug hput_UL}))		, sectchbh
%_UL_user_t hrput_MCS6	PERCENTA GE	FLOA T	Dist Of UL Radio Interface User Throughput Per Cell_On_Codi ng_Schemes_ MCS6	100 * ({Siemens.RLC.MEAN _DATA_THRUPUT_ MCS6_UL}))/ ({Siemens.RLC.RLC_ USER_DATA_Throug hput_UL}))	Average	Average, seclcbh, seclctbh , sectchbh
%_UL_user_t hrput_MCS7	PERCENTA GE	FLOA T	Dist Of UL Radio Interface User Throughput Per Cell_On_Codi ng_Schemes_ MCS7	100 * ({Siemens.RLC.MEAN _DATA_THRUPUT_ MCS7_UL}))/ ({Siemens.RLC.RLC_ USER_DATA_Throug hput_UL}))	Average	Average, seclcbh, seclctbh , sectchbh
%_UL_user_t hrput_MCS8	PERCENTA GE	FLOA T	Dist Of UL Radio Interface User Throughput Per Cell_On_Codi ng_Schemes_ MCS8	100 * ({Siemens.RLC.MEAN _DATA_THRUPUT_ MCS8_UL}))/ ({Siemens.RLC.RLC_ USER_DATA_Throug hput_UL}))	Average	Average, seclcbh, seclctbh , sectchbh
%_UL_user_t hrput_MCS9	PERCENTA GE	FLOA T	Dist Of UL Radio Interface User Throughput Per Cell_On_Codi ng_Schemes_ MCS9	100 * ({Siemens.RLC.MEAN _DATA_THRUPUT_ MCS9_UL}))/ ({Siemens.RLC.RLC_ USER_DATA_Throug hput_UL}))	Average	Average, seclcbh, seclctbh , sectchbh
Max_RLC_D	INTENSITY	FLOA	Cell packet	if((SCANGPRS.MUTH	Average	Average,

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ATA_Throughput		T	busy hour comparison function (internal KPI)	$\begin{aligned} & \text{RF_1} + \text{MUTHRF_2} + \text{MUTHRF_3} + \text{MUTHRF_4} + \text{MUTHRF_5} + \text{MUTHRF_6} + \text{MUTHRF_7} + \text{MUTHRF_8} + \text{MUTHRF_9} + \text{MUTHRF_10} + \text{MUTHRF_11} + \text{MUTHRF_12} + \text{MUTHRF_13}) + \text{MSTHRF_1}) > \\ & ((\text{MUTHRF_14} + \text{MUTHRF_15} + \text{MUTHRF_16} + \text{MUTHRF_17} + \text{MUTHRF_18} + \text{MUTHRF_19} + \text{MUTHRF_20} + \text{MUTHRF_21} + \text{MUTHRF_22} + \text{MUTHRF_23} + \text{MUTHRF_24} + \text{MUTHRF_25} + \text{MUTHRF_26}) + \text{MSTHRF_2}) \\ & \text{then}((\text{MUTHRF_1} + \text{MUTHRF_2} + \text{MUTHRF_3} + \text{MUTHRF_4} + \text{MUTHRF_5} + \text{MUTHRF_6} + \text{MUTHRF_7} + \text{MUTHRF_8} + \text{MUTHRF_9} + \text{MUTHRF_10} + \text{MUTHRF_11} + \text{MUTHRF_12} + \text{MUTHRF_13}) + \text{MSTHRF_1}) \\ & \text{else}((\text{MUTHRF_14} + \text{MUTHRF_15} + \text{MUTHRF_16} + \text{MUTHRF_17} + \text{MUTHRF_18} + \text{MUTHRF_19} + \text{MUTHRF_20} + \text{MUTHRF_21} + \text{MUTHRF_22} + \text{MUTHRF_23} + \text{MUTHRF_24} + \text{MUTHRF_25} + \text{MUTHRF_26}) + \text{MSTHRF_2}) \end{aligned}$		Maximum, Minimum, secrlcbh, secrlctbh, sectchbh, Sum
MEAN_DATA_THRUPUT_CS1_DL	INTENSITY	FLOAT	Retransmitted Mean user data throughput CS-1 downlink	SCANGPRS.MUTHRF_14	Average	Average, Maximum, Minimum, secrlcbh,

						seclctbh , sectchbh, Sum
MEAN_DATA_THRUPUT_CS1_UL	INTENSITY	FLOAT	Mean user data throughput CS-1 uplink	SCANGPRS.MUTHRF_1	Average	Average, Maximum, Minimum, seclctbh, sectchbh, Sum
MEAN_DATA_THRUPUT_CS2_DL	INTENSITY	FLOAT	Retransmitted Mean user data throughput CS-2 downlink	SCANGPRS.MUTHRF_15	Average	Average, Maximum, Minimum, seclctbh, sectchbh, Sum
MEAN_DATA_THRUPUT_CS2_UL	INTENSITY	FLOAT	Mean user data throughput CS-2 uplink	SCANGPRS.MUTHRF_2	Average	Average, Maximum, Minimum, seclctbh, sectchbh, Sum
MEAN_DATA_THRUPUT_CS3_DL	INTENSITY	FLOAT	Retransmitted Mean user data throughput CS-3	SCANGPRS.MUTHRF_16	Average	Average, Maximum, Minimum,

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			downlink			seclcbh, seclctbh , sectchbh, Sum
MEAN_DATA_THRUPUT_CS3_UL	INTENSITY	FLOAT	Mean user data throughput CS-3 uplink	SCANGPRS.MUTHRF_3	Average	Average, Maximum, Minimum, seclcbh, seclctbh , sectchbh, Sum
MEAN_DATA_THRUPUT_CS4_DL	INTENSITY	FLOAT	Retransmitted Mean user data throughput CS-4 downlink	SCANGPRS.MUTHRF_17	Average	Average, Maximum, Minimum, seclcbh, seclctbh , sectchbh, Sum
MEAN_DATA_THRUPUT_CS4_UL	INTENSITY	FLOAT	Mean user data throughput CS-4 uplink	SCANGPRS.MUTHRF_4	Average	Average, Maximum, Minimum, seclcbh, seclctbh , sectchbh, Sum
MEAN_DATA_THRUPUT_MCS1_DL	INTENSITY	FLOAT	Retransmitted Mean user data throughput MCS-1 downlink	SCANGPRS.MUTHRF_18	Average	Average, Maximum, Minimum, seclcbh, seclctbh ,

						sectchbh, Sum
MEAN_DATA_THRUPUT_MCS1_UL	INTENSITY	FLOAT	Mean user data throughput MCS-1 uplink	SCANGPRS.MUTHRF_5	Average	Average, Maximum, Minimum, sectlcbh, sectlctbh, sectchbh, Sum
MEAN_DATA_THRUPUT_MCS2_DL	INTENSITY	FLOAT	Retransmitted Mean user data throughput MCS-2 downlink	SCANGPRS.MUTHRF_19	Average	Average, Maximum, Minimum, sectlcbh, sectlctbh, sectchbh, Sum
MEAN_DATA_THRUPUT_MCS2_UL	INTENSITY	FLOAT	Mean user data throughput MCS-2 uplink	SCANGPRS.MUTHRF_6	Average	Average, Maximum, Minimum, sectlcbh, sectlctbh, sectchbh, Sum
MEAN_DATA_THRUPUT_MCS3_DL	INTENSITY	FLOAT	Retransmitted Mean user data throughput MCS-3 downlink	SCANGPRS.MUTHRF_20	Average	Average, Maximum, Minimum, sectlcbh, sectlctbh

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						, sectchbh, Sum
MEAN_DATA_THRUPUT_MCS3_UL	INTENSITY	FLOAT	Mean user data throughput MCS-3 uplink	SCANGPRS.MUTHRF_7	Average	Average, Maximum, Minimum, seclcbh, seclctbh, sectchbh, Sum
MEAN_DATA_THRUPUT_MCS4_DL	INTENSITY	FLOAT	Retransmitted Mean user data throughput MCS-4 downlink	SCANGPRS.MUTHRF_21	Average	Average, Maximum, Minimum, seclcbh, seclctbh, sectchbh, Sum
MEAN_DATA_THRUPUT_MCS4_UL	INTENSITY	FLOAT	Mean user data throughput MCS-4 uplink	SCANGPRS.MUTHRF_8	Average	Average, Maximum, Minimum, seclcbh, seclctbh, sectchbh, Sum
MEAN_DATA_THRUPUT_MCS5_DL	INTENSITY	FLOAT	Retransmitted Mean user data throughput MCS-5 downlink	SCANGPRS.MUTHRF_22	Average	Average, Maximum, Minimum, seclcbh, seclctbh, sectchbh, Sum

MEAN_DATA_THRUPUT_MCS5_UL	INTENSITY	FLOAT	Mean user data throughput MCS-5 uplink	SCANGPRS.MUTHRF_9	Average	Average, Maximum, Minimum, secrxcbh, secrctbh, sectchbh, Sum
MEAN_DATA_THRUPUT_MCS6_DL	INTENSITY	FLOAT	Retransmitted Mean user data throughput MCS-6 downlink	SCANGPRS.MUTHRF_23	Average	Average, Maximum, Minimum, secrxcbh, secrctbh, sectchbh, Sum
MEAN_DATA_THRUPUT_MCS6_UL	INTENSITY	FLOAT	Mean user data throughput MCS-6 uplink	SCANGPRS.MUTHRF_10	Average	Average, Maximum, Minimum, secrxcbh, secrctbh, sectchbh, Sum
MEAN_DATA_THRUPUT_MCS7_DL	INTENSITY	FLOAT	Retransmitted Mean user data throughput MCS-7 downlink	SCANGPRS.MUTHRF_24	Average	Average, Maximum, Minimum, secrxcbh, secrctbh, sectchbh, Sum

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MEAN_DATA_THRUPUT_MCS7_UL	INTENSITY	FLOAT	Mean user data throughput MCS-7 uplink	SCANGPRS.MUTHRF_11	Average	Average, Maximum, Minimum, secrlcbh, secrlctbh, sectchbh, Sum
MEAN_DATA_THRUPUT_MCS8_DL	INTENSITY	FLOAT	Retransmitted Mean user data throughput MCS-8 downlink	SCANGPRS.MUTHRF_25	Average	Average, Maximum, Minimum, secrlcbh, secrlctbh, sectchbh, Sum
MEAN_DATA_THRUPUT_MCS8_UL	INTENSITY	FLOAT	Mean user data throughput MCS-8 uplink	SCANGPRS.MUTHRF_12	Average	Average, Maximum, Minimum, secrlcbh, secrlctbh, sectchbh, Sum
MEAN_DATA_THRUPUT_MCS9_DL	INTENSITY	FLOAT	Retransmitted Mean user data throughput MCS-9 downlink	SCANGPRS.MUTHRF_26	Average	Average, Maximum, Minimum, secrlcbh, secrlctbh, sectchbh, Sum
MEAN_DATA_THRUPUT_MCS9_UL	INTENSITY	FLOAT	Mean user data throughput	SCANGPRS.MUTHRF_13	Average	Average, Maximum,

			MCS-9 uplink			Minimum, seclcbh, seclctbh, sectchbh, Sum
RLC_DATA_Throughput_DL	INTENSITY	FLOAT	Mean signalling and user data throughput (downlink) on the RF interface	{RLC_USER_DATA_Throughput_DL} + {RLC_SGNL_DATA_Throughput_DL}	Average	Average, Maximum, Minimum, seclcbh, seclctbh, sectchbh, Sum
RLC_DATA_Throughput_UL	INTENSITY	FLOAT	Mean signalling and user data throughput (uplink) on the RF interface	{RLC_USER_DATA_Throughput_UL} + {RLC_SGNL_DATA_Throughput_UL}	Average	Average, Maximum, Minimum, seclcbh, seclctbh, sectchbh, Sum
RLC_SGNL_DATA_Throughput_DL	INTENSITY	FLOAT	Mean signalling data throughput (downlink) on the RF interface	SCANGPRS.MSTHRF_2	Average	Average, Maximum, Minimum, seclcbh, seclctbh, sectchbh, Sum
RLC_SGNL_DATA_Throughput_UL	INTENSITY	FLOAT	Mean signalling data throughput (uplink) on the RF interface	SCANGPRS.MSTHRF_1	Average	Average, Maximum, Minimum, seclcbh, seclctbh, sectchbh, Sum

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ghput_UL			throughput (uplink) on the RF interface			m, Minimum, seclcbh, seclctbh , sectchbh, Sum
RLC_total_data_throughput_busy_hour	ACCUMULATION	FLOAT	Total uplink and downlink user and signal data throughput. Used for busy hour calculation.	SCANGPRS.MUTHRF_1+MUTHRF_2+MUTHRF_3+MUTHRF_4+MUTHRF_5+MUTHRF_6+MUTHRF_7+MUTHRF_8+MUTHRF_9+MUTHRF_10+MUTHRF_11+MUTHRF_12+MUTHRF_13+MUTHRF_14+MUTHRF_15+MUTHRF_16+MUTHRF_17+MUTHRF_18+MUTHRF_19+MUTHRF_20+MUTHRF_21+MUTHRF_22+MUTHRF_23+MUTHRF_24+MUTHRF_25+MUTHRF_26+MSTHRF_2+MSTHRF_1	Sum	seclcbh, seclctbh , sectchbh, Sum
RLC_USER_DATA_Throughput_DL	INTENSITY	FLOAT	Mean user data throughput (downlink) on the RF interface	SCANGPRS.MUTHRF_14+MUTHRF_15+MUTHRF_16+MUTHRF_17+MUTHRF_18+MUTHRF_19+MUTHRF_20+MUTHRF_21+MUTHRF_22+MUTHRF_23+MUTHRF_24+MUTHRF_25+MUTHRF_26	Average	Average, Maximum, Minimum, seclcbh, seclctbh , sectchbh, Sum
RLC_USER_DATA_Throughput_UL	INTENSITY	FLOAT	Mean user data throughput (uplink) on the RF interface	SCANGPRS.MUTHRF_1+MUTHRF_2+MUTHRF_3+MUTHRF_4+MUTHRF_5+MUTHRF_6+MUTHRF_7+MUTHRF_8+MUTHRF_9+MUTHRF_10+MUTHRF_11+MUTHRF_12+MUTHRF_13+MUTHRF_14+MUTHRF_15+MUTHRF_16+MUTHRF_17+MUTHRF_18+MUTHRF_19+MUTHRF_20+MUTHRF_21+MUTHRF_22+MUTHRF_23+MUTHRF_24+MUTHRF_25+MUTHRF_26	Average	Average, Maximum, Minimum, seclcbh, seclctbh

				HRF_11+MUTHRF_12 +MUTHRF_13		, sectchbh, Sum
User_data_thruput_on_radio_intf_DL	INTENSITY	FLOAT	User_Data_Throughtput_Per_Cell_On_Radio_Interface_DL	((SCANGPRS.MUTHRF_14 + MUTHRF_15 + MUTHRF_16 + MUTHRF_17 + MUTHRF_18 + MUTHRF_19 + MUTHRF_20 + MUTHRF_21 + MUTHRF_22 + MUTHRF_23 + MUTHRF_24 + MUTHRF_25 + MUTHRF_26) - (REMUTHRF_14 + REMUTHRF_15 + REMUTHRF_16 + REMUTHRF_17 + REMUTHRF_18 + REMUTHRF_19 + REMUTHRF_20 + REMUTHRF_21 + REMUTHRF_22 + REMUTHRF_23 + REMUTHRF_24 + REMUTHRF_25 + REMUTHRF_26)) * 8 / 1000	Average	Average, Maximum, Minimum, secrlecbh, secrlecbh, sectchbh, Sum
User_data_thruput_on_radio_intf_UL	INTENSITY	FLOAT	User_Data_Throughtput_Per_Cell_On_Radio_Interface_UL	(SCANGPRS.MUTHRF_1 + MUTHRF_2 + MUTHRF_3 + MUTHRF_4 + MUTHRF_5 + MUTHRF_6 + MUTHRF_7 + MUTHRF_8 + MUTHRF_9 + MUTHRF_10 +	Average	Average, Maximum, Minimum, secrlecbh, secrlecbh, sectchbh, Sum

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				MUTHRF_11 + MUTHRF_12 + MUTHRF_13) * 8 / 1000		
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7.5.86 Cell.Siemens.GSM.RxQual_AMR_FullRate

Average RxQual related measurements for Adaptive Multirate- Full Rate codec.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Total_DL_AvgRxQual_AMR_FR10200_Bin1	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 10.2 kbit/s codec (for Bin1)	SCANBTSE.AMRRXQUAL_66	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR10200_Bin2	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 10.2 kbit/s codec (for Bin2)	SCANBTSE.AMRRXQUAL_82	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR10200_Bin3	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 10.2 kbit/s codec (for Bin3)	SCANBTSE.AMRRXQUAL_98	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR10200_Bin4	ACCUMULATION	INTEGER	Number of downlink average RxQual	SCANBTSE.AMRRXQUAL_114	Sum	seclctbh , sectchbh, sectchfrbh

			occurrences for AMR-FR with 10.2 kbit/s codec (for Bin4)			h, Sum
Total_DL_AvgRxQual_AMR_FR12200_Bin1	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 12.2 kbit/s codec (for Bin1)	SCANBTSE.AMRRX QUAL_65	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR12200_Bin2	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 12.2 kbit/s codec (for Bin2)	SCANBTSE.AMRRX QUAL_81	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR12200_Bin3	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 12.2 kbit/s codec (for Bin3)	SCANBTSE.AMRRX QUAL_97	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR12200_Bin4	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 12.2	SCANBTSE.AMRRX QUAL_113	Sum	seclctbh , sectchbh, sectchfrbh, Sum

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			kbit/s codec (for Bin4)			
Total_DL_AvgRxQual_AMR_FR4750_Bin1	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 4.75 kbit/s codec (for Bin1)	SCANBTSE.AMRRX QUAL_72	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR4750_Bin2	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 4.75 kbit/s codec (for Bin2)	SCANBTSE.AMRRX QUAL_88	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR4750_Bin3	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 4.75 kbit/s codec (for Bin3)	SCANBTSE.AMRRX QUAL_104	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR4750_Bin4	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 4.75 kbit/s codec (for Bin4)	SCANBTSE.AMRRX QUAL_120	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR5150_Bin1	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences	SCANBTSE.AMRRX QUAL_71	Sum	seclctbh , sectchbh, sectchfrbh, Sum

			for AMR-FR with 5.15 kbit/s codec (for Bin1)			
Total_DL_AvgRxQual_AMR_FR5150_Bin2	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 5.15 kbit/s codec (for Bin2)	SCANBTSE.AMRRX QUAL_87	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR5150_Bin3	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 5.15 kbit/s codec (for Bin3)	SCANBTSE.AMRRX QUAL_103	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR5150_Bin4	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 5.15 kbit/s codec (for Bin4)	SCANBTSE.AMRRX QUAL_119	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR5900_Bin1	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 5.9 kbit/s codec (for	SCANBTSE.AMRRX QUAL_70	Sum	seclctbh , sectchbh, sectchfrbh, Sum

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			Bin1)			
Total_DL_AvgRxQual_AMR_FR5900_Bin2	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 5.9 kbit/s codec (for Bin2)	SCANBTSE.AMRRX_QUAL_86	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR5900_Bin3	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 5.9 kbit/s codec (for Bin3)	SCANBTSE.AMRRX_QUAL_102	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR5900_Bin4	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 5.9 kbit/s codec (for Bin4)	SCANBTSE.AMRRX_QUAL_118	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR6700_Bin1	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 6.7 kbit/s codec (for Bin1)	SCANBTSE.AMRRX_QUAL_69	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR6700_Bin2	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR	SCANBTSE.AMRRX_QUAL_85	Sum	seclctbh , sectchbh, sectchfrbh, Sum

			with 6.7 kbit/s codec (for Bin2)			
Total_DL_AvgRxQual_AMR_FR6700_Bin3	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 6.7 kbit/s codec (for Bin3)	SCANBTSE.AMRRX_QUAL_101	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR6700_Bin4	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 6.7 kbit/s codec (for Bin4)	SCANBTSE.AMRRX_QUAL_117	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR7400_Bin1	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 7.4 kbit/s codec (for Bin1)	SCANBTSE.AMRRX_QUAL_68	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR7400_Bin2	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 7.4 kbit/s codec (for Bin2)	SCANBTSE.AMRRX_QUAL_84	Sum	seclctbh , sectchbh, sectchfrbh, Sum

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Total_DL_AvgRxQual_AMR_FR7400_Bin3	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 7.4 kbit/s codec (for Bin3)	SCANBTSE.AMRRX QUAL_100	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR7400_Bin4	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 7.4 kbit/s codec (for Bin4)	SCANBTSE.AMRRX QUAL_116	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR7950_Bin1	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 7.95 kbit/s codec (for Bin1)	SCANBTSE.AMRRX QUAL_67	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR7950_Bin2	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 7.95 kbit/s codec (for Bin2)	SCANBTSE.AMRRX QUAL_83	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_FR7950_Bin3	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 7.95	SCANBTSE.AMRRX QUAL_99	Sum	seclctbh , sectchbh, sectchfrbh, Sum

			kbit/s codec (for Bin3)			
Total_DL_AvgRxQual_AMR_FR7950_Bin4	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-FR with 7.95 kbit/s codec (for Bin4)	SCANBTSE.AMRRX QUAL_115	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR10200_Bin1	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 10.2 kbit/s codec (for Bin1)	SCANBTSE.AMRRX QUAL_2	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR10200_Bin2	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 10.2 kbit/s codec (for Bin2)	SCANBTSE.AMRRX QUAL_18	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR10200_Bin3	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 10.2 kbit/s codec (for Bin3)	SCANBTSE.AMRRX QUAL_34	Sum	seclctbh , sectchbh, sectchfrbh, Sum

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Total_UL_AvgRxQual_AMR_FR10200_Bin4	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 10.2 kbit/s codec (for Bin4)	SCANBTSE.AMRRX QUAL_50	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR12200_Bin1	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 12.2 kbit/s codec (for Bin1)	SCANBTSE.AMRRX QUAL_1	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR12200_Bin2	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 12.2 kbit/s codec (for Bin2)	SCANBTSE.AMRRX QUAL_17	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR12200_Bin3	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 12.2 kbit/s codec (for Bin3)	SCANBTSE.AMRRX QUAL_33	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR12200_Bin4	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 12.2	SCANBTSE.AMRRX QUAL_49	Sum	seclctbh , sectchbh, sectchfrbh, Sum

			kbit/s codec (for Bin4)			
Total_UL_AvgRxQual_AMR_FR4750_Bin1	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 4.75 kbit/s codec (for Bin1)	SCANBTSE.AMRRX QUAL_8	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR4750_Bin2	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 4.75 kbit/s codec (for Bin2)	SCANBTSE.AMRRX QUAL_24	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR4750_Bin3	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 4.75 kbit/s codec (for Bin3)	SCANBTSE.AMRRX QUAL_40	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR4750_Bin4	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 4.75 kbit/s codec (for Bin4)	SCANBTSE.AMRRX QUAL_56	Sum	seclctbh , sectchbh, sectchfrbh, Sum

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Total_UL_AvgRxQual_AMR_FR5150_Bin1	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 5.15 kbit/s codec (for Bin1)	SCANBTSE.AMRRX QUAL_7	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR5150_Bin2	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 5.15 kbit/s codec (for Bin2)	SCANBTSE.AMRRX QUAL_23	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR5150_Bin3	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 5.15 kbit/s codec (for Bin3)	SCANBTSE.AMRRX QUAL_39	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR5150_Bin4	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 5.15 kbit/s codec (for Bin4)	SCANBTSE.AMRRX QUAL_55	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR5900_Bin1	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 5.9 kbit/	SCANBTSE.AMRRX QUAL_6	Sum	seclctbh , sectchbh, sectchfrbh, Sum

			s codec (for Bin1)			
Total_UL_AvgRxQual_AMR_FR5900_Bin2	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 5.9 kbit/s codec (for Bin2)	SCANBTSE.AMRRX_QUAL_22	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR5900_Bin3	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 5.9 kbit/s codec (for Bin3)	SCANBTSE.AMRRX_QUAL_38	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR5900_Bin4	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 5.9 kbit/s codec (for Bin4)	SCANBTSE.AMRRX_QUAL_54	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR6700_Bin1	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 6.7 kbit/s codec (for Bin1)	SCANBTSE.AMRRX_QUAL_5	Sum	seclctbh , sectchbh, sectchfrbh, Sum

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Total_UL_AvgRxQual_AMR_FR6700_Bin2	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 6.7 kbit/s codec (for Bin2)	SCANBTSE.AMRRX QUAL_21	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR6700_Bin3	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 6.7 kbit/s codec (for Bin3)	SCANBTSE.AMRRX QUAL_37	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR6700_Bin4	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 6.7 kbit/s codec (for Bin4)	SCANBTSE.AMRRX QUAL_53	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR7400_Bin1	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 7.4 kbit/s codec (for Bin1)	SCANBTSE.AMRRX QUAL_4	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR7400_Bin2	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 7.4 kbit/s	SCANBTSE.AMRRX QUAL_20	Sum	seclctbh , sectchbh, sectchfrbh, Sum

			s codec (for Bin2)			
Total_UL_AvgRxQual_AMR_FR7400_Bin3	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 7.4 kbit/s codec (for Bin3)	SCANBTSE.AMRRX_QUAL_36	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR7400_Bin4	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 7.4 kbit/s codec (for Bin4)	SCANBTSE.AMRRX_QUAL_52	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR7950_Bin1	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 7.95 kbit/s codec (for Bin1)	SCANBTSE.AMRRX_QUAL_3	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR7950_Bin2	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 7.95 kbit/s codec (for Bin2)	SCANBTSE.AMRRX_QUAL_19	Sum	seclctbh , sectchbh, sectchfrbh, Sum

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Total_UL_AvgRxQual_AMR_FR7950_Bin3	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 7.95 kbit/s codec (for Bin3)	SCANBTSE.AMRRX_QUAL_35	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_FR7950_Bin4	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-FR with 7.95 kbit/s codec (for Bin4)	SCANBTSE.AMRRX_QUAL_51	Sum	seclctbh , sectchbh, sectchfrbh, Sum

7.5.87 Cell.Siemens.GSM.RxQual_AMR_HalfRate

Average RxQual related measurements for Adaptive Multirate- Half Rate codec.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Total_DL_AvgRxQual_AMR_HR4750_Bin1	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-HR with 4.75 kbit/s codec (for Bin1)	SCANBTSE.AMRRX_QUAL_77	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_DL_AvgRxQual_AMR_HR4750_Bin2	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-HR with 4.75 kbit/s codec (for Bin2)	SCANBTSE.AMRRX_QUAL_93	Sum	seclctbh , sectchbh, sectchhrbh, Sum

Total_DL_AvgRxQual_AMR_HR4750_Bin3	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-HR with 4.75 kbit/s codec (for Bin3)	SCANBTSE.AMRRX QUAL_109	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_DL_AvgRxQual_AMR_HR4750_Bin4	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-HR with 4.75 kbit/s codec (for Bin4)	SCANBTSE.AMRRX QUAL_125	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_DL_AvgRxQual_AMR_HR5150_Bin1	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-HR with 5.15 kbit/s codec (for Bin1)	SCANBTSE.AMRRX QUAL_76	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_DL_AvgRxQual_AMR_HR5150_Bin2	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-HR with 5.15 kbit/s codec (for Bin2)	SCANBTSE.AMRRX QUAL_92	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_DL_AvgRxQual_AMR_HR5150_Bin3	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-HR with 5.15 kbit/s codec (for Bin3)	SCANBTSE.AMRRX QUAL_108	Sum	seclctbh , sectchbh, sectchhrbh, Sum

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in3			RxQual occurrences for AMR-HR with 5.15 kbit/s codec (for Bin3)			sectchhrb h, Sum
Total_DL_AvgRxQual_AMR_HR5150_Bin4	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-HR with 5.15 kbit/s codec (for Bin4)	SCANBTSE.AMRRX QUAL_124	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_DL_AvgRxQual_AMR_HR5900_Bin1	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-HR with 5.9 kbit/s codec (for Bin1)	SCANBTSE.AMRRX QUAL_75	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_DL_AvgRxQual_AMR_HR5900_Bin2	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-HR with 5.9 kbit/s codec (for Bin2)	SCANBTSE.AMRRX QUAL_91	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_DL_AvgRxQual_AMR_HR5900_Bin3	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-HR with 5.9 kbit/s codec (for Bin3)	SCANBTSE.AMRRX QUAL_107	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_DL_Av	ACCUMULATION	INTEGER	Number of	SCANBTSE.AMRRX	Sum	seclctbh

gRxQual_AMR_HR5900_Bin4	TION	ER	downlink average RxQual occurrences for AMR-HR with 5.9 kbit/s codec (for Bin4)	QUAL_123		, sectchbh, sectchhrb h, Sum
Total_DL_AvgRxQual_AMR_HR6700_Bin1	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-HR with 6.7 kbit/s codec (for Bin1)	SCANBTSE.AMRRX QUAL_74	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_DL_AvgRxQual_AMR_HR6700_Bin2	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-HR with 6.7 kbit/s codec (for Bin2)	SCANBTSE.AMRRX QUAL_90	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_DL_AvgRxQual_AMR_HR6700_Bin3	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-HR with 6.7 kbit/s codec (for Bin3)	SCANBTSE.AMRRX QUAL_106	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_DL_AvgRxQual_AMR_HR6700_Bin4	ACCUMULATION	INTEGER	Number of downlink average RxQual	SCANBTSE.AMRRX QUAL_122	Sum	seclctbh , sectchbh, sectchhrb

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			occurrences for AMR-HR with 6.7 kbit/s codec (for Bin4)			h, Sum
Total_DL_AvgRxQual_AMR_HR7400_Bin1	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-HR with 7.4 kbit/s codec (for Bin1)	SCANBTSE.AMRRX QUAL_73	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_DL_AvgRxQual_AMR_HR7400_Bin2	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-HR with 7.4 kbit/s codec (for Bin2)	SCANBTSE.AMRRX QUAL_89	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_DL_AvgRxQual_AMR_HR7400_Bin3	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-HR with 7.4 kbit/s codec (for Bin3)	SCANBTSE.AMRRX QUAL_105	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_DL_AvgRxQual_AMR_HR7400_Bin4	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-HR with 7.4 kbit/s codec (for Bin4)	SCANBTSE.AMRRX QUAL_121	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_UL_AvgRxQual_AMR_HR7400_Bin1	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-HR with 7.4 kbit/s codec (for Bin1)	SCANBTSE.AMRRX QUAL_13	Sum	seclctbh , sectchbh, sectchhrbh, Sum

R_HR4750_B in1			average RxQual occurrences for AMR-HR with 4.75 kbit/s codec (for Bin1)			sectchbh, sectchhrb h, Sum
Total_UL_Av gRxQual_AM R_HR4750_B in2	ACCUMULA TION	INTEG ER	Number of uplink average RxQual occurrences for AMR-HR with 4.75 kbit/s codec (for Bin2)	SCANBTSE.AMRRX QUAL_29	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_UL_Av gRxQual_AM R_HR4750_B in3	ACCUMULA TION	INTEG ER	Number of uplink average RxQual occurrences for AMR-HR with 4.75 kbit/s codec (for Bin3)	SCANBTSE.AMRRX QUAL_45	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_UL_Av gRxQual_AM R_HR4750_B in4	ACCUMULA TION	INTEG ER	Number of uplink average RxQual occurrences for AMR-HR with 4.75 kbit/s codec (for Bin4)	SCANBTSE.AMRRX QUAL_61	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_UL_Av gRxQual_AM R_HR5150_B in1	ACCUMULA TION	INTEG ER	Number of uplink average RxQual occurrences	SCANBTSE.AMRRX QUAL_12	Sum	seclctbh , sectchbh, sectchhrb h, Sum

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			for AMR-HR with 5.15 kbit/s codec (for Bin1)			
Total_UL_AvgRxQual_AMR_HR5150_Bin2	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-HR with 5.15 kbit/s codec (for Bin2)	SCANBTSE.AMRRX QUAL_28	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_UL_AvgRxQual_AMR_HR5150_Bin3	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-HR with 5.15 kbit/s codec (for Bin3)	SCANBTSE.AMRRX QUAL_44	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_UL_AvgRxQual_AMR_HR5150_Bin4	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-HR with 5.15 kbit/s codec (for Bin4)	SCANBTSE.AMRRX QUAL_60	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_UL_AvgRxQual_AMR_HR5900_Bin1	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-HR with 5.9 kbit/s codec (for Bin1)	SCANBTSE.AMRRX QUAL_11	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_UL_AvgRxQual_AMR_HR5900_B	ACCUMULATION	INTEGER	Number of uplink average	SCANBTSE.AMRRX QUAL_27	Sum	seclctbh , sectchbh,

in2			RxQual occurrences for AMR-HR with 5.9 kbit/s codec (for Bin2)			sectchhrb h, Sum
Total_UL_AvgRxQual_AMR_HR5900_Bin3	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-HR with 5.9 kbit/s codec (for Bin3)	SCANBTSE.AMRRX QUAL_43	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_UL_AvgRxQual_AMR_HR5900_Bin4	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-HR with 5.9 kbit/s codec (for Bin4)	SCANBTSE.AMRRX QUAL_59	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_UL_AvgRxQual_AMR_HR6700_Bin1	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-HR with 6.7 kbit/s codec (for Bin1)	SCANBTSE.AMRRX QUAL_10	Sum	seclctbh , sectchbh, sectchhrb h, Sum
Total_UL_AvgRxQual_AMR_HR6700_Bin2	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-HR	SCANBTSE.AMRRX QUAL_26	Sum	seclctbh , sectchbh, sectchhrb h, Sum

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			with 6.7 kbit/s codec (for Bin2)			
Total_UL_AvgRxQual_AMR_HR6700_Bin3	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-HR with 6.7 kbit/s codec (for Bin3)	SCANBTSE.AMRRX_QUAL_42	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_UL_AvgRxQual_AMR_HR6700_Bin4	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-HR with 6.7 kbit/s codec (for Bin4)	SCANBTSE.AMRRX_QUAL_58	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_UL_AvgRxQual_AMR_HR7400_Bin1	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-HR with 7.4 kbit/s codec (for Bin1)	SCANBTSE.AMRRX_QUAL_9	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_UL_AvgRxQual_AMR_HR7400_Bin2	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-HR with 7.4 kbit/s codec (for Bin2)	SCANBTSE.AMRRX_QUAL_25	Sum	seclctbh , sectchbh, sectchhrbh, Sum
Total_UL_AvgRxQual_AMR_HR7400_Bin3	ACCUMULATION	INTEGER	Number of uplink average RxQual	SCANBTSE.AMRRX_QUAL_41	Sum	seclctbh , sectchbh, sectchhrbh

			occurrences for AMR-HR with 7.4 kbit/s codec (for Bin3)			h, Sum
Total_UL_AvgRxQual_AMR_HR7400_Bin4	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-HR with 7.4 kbit/s codec (for Bin4)	SCANBTSE.AMRRX_QUAL_57	Sum	seclctbh, sectchbh, sectchrbh, Sum

7.5.88 Cell.Siemens.GSM.RxQual_AMR_WB

Average RxQual related measurements for Adaptive Multirate- Wide Band codec.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Total_DL_AvgRxQual_AMR_WB12650_Bin1	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-WB with 12.65 kbit/s codec (for Bin1)	SCANBTSE.AMRRX_QUAL_78	Sum	seclctbh, sectchbh, sectchfrbh, Sum
Total_DL_AvgRxQual_AMR_WB12650_Bin2	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR-WB with	SCANBTSE.AMRRX_QUAL_94	Sum	seclctbh, sectchbh, sectchfrbh, Sum

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			12.65 kbit/s codec (for Bin2)			
Total_DL_AvgRxQual_AMR_WB12650_Bin3	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR- WB with 12.65 kbit/s codec (for Bin3)	SCANBTSE.AMRRX QUAL_110	Sum	seclctbh , sectchbh, sectchfrb h, Sum
Total_DL_AvgRxQual_AMR_WB12650_Bin4	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR- WB with 12.65 kbit/s codec (for Bin4)	SCANBTSE.AMRRX QUAL_126	Sum	seclctbh , sectchbh, sectchfrb h, Sum
Total_DL_AvgRxQual_AMR_WB6600_Bin1	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR- WB with 6.6 kbit/s codec for Bin1.	SCANBTSE.AMRRX QUAL_80	Sum	seclctbh , sectchbh, sectchfrb h, Sum
Total_DL_AvgRxQual_AMR_WB6600_Bin2	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR- WB with 6.6 kbit/s codec (for Bin2)	SCANBTSE.AMRRX QUAL_96	Sum	seclctbh , sectchbh, sectchfrb h, Sum
Total_DL_AvgRxQual_AMR_WB112	ACCUMULATION	INTEGER	The downlink average	SCANBTSE.AMRRX QUAL_112	Sum	seclctbh ,

R_WB6600_ Bin3			RxQual for AMR-WB with 6.6 kbit/ s codec for Bin3.			sectchbh, sectchfrb h, Sum
Total_DL_Av gRxQual_AM R_WB6600_ Bin4	ACCUMULA TION	INTEG ER	The downlink average RxQual for AMR-WB with 6.6 kbit/ s codec for Bin4.	SCANBTSE.AMRRX QUAL_128	Sum	seclctbh , sectchbh, sectchfrb h, Sum
Total_DL_Av gRxQual_AM R_WB8850_ Bin1	ACCUMULA TION	INTEG ER	Number of downlink average RxQual occurrences for AMR- WB with 8.85 kbit/s codec (for Bin1).	SCANBTSE.AMRRX QUAL_79	Sum	seclctbh , sectchbh, sectchfrb h, Sum
Total_DL_Av gRxQual_AM R_WB8850_ Bin2	ACCUMULA TION	INTEG ER	Number of downlink average RxQual occurrences for AMR- WB with 8.85 kbit/s codec (for Bin2)	SCANBTSE.AMRRX QUAL_95	Sum	seclctbh , sectchbh, sectchfrb h, Sum
Total_DL_Av gRxQual_AM R_WB8850_ Bin3	ACCUMULA TION	INTEG ER	Number of downlink average RxQual occurrences for AMR- WB with	SCANBTSE.AMRRX QUAL_111	Sum	seclctbh , sectchbh, sectchfrb h, Sum

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			8.85 kbit/s codec (for Bin3).			
Total_DL_AvgRxQual_AMR_WB8850_Bin4	ACCUMULATION	INTEGER	Number of downlink average RxQual occurrences for AMR- WB with 8.85 kbit/s codec (for Bin4).	SCANBTSE.AMRRX QUAL_127	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_WB12650_Bin1	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR- WB with 12.65 kbit/s codec (for Bin1)	SCANBTSE.AMRRX QUAL_14	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_WB12650_Bin2	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR- WB with 12.65 kbit/s codec (for Bin2)	SCANBTSE.AMRRX QUAL_30	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_WB12650_Bin3	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR- WB with 12.65 kbit/s codec (for Bin3)	SCANBTSE.AMRRX QUAL_46	Sum	seclctbh , sectchbh, sectchfrbh, Sum

Total_UL_AvgRxQual_AMR_WB12650_Bin4	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-WB with 12.65 kbit/s codec (for Bin4)	SCANBTSE.AMRRX_QUAL_62	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_WB6600_Bin1	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-WB with 6.6 kbit/s codec (for Bin1)	SCANBTSE.AMRRX_QUAL_16	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_WB6600_Bin2	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-WB with 6.6 kbit/s codec (for Bin2)	SCANBTSE.AMRRX_QUAL_32	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_WB6600_Bin3	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-WB with 6.6 kbit/s codec (for Bin3)	SCANBTSE.AMRRX_QUAL_48	Sum	seclctbh , sectchbh, sectchfrbh, Sum
Total_UL_AvgRxQual_AMR_WB6600_Bin4	ACCUMULATION	INTEGER	Number of uplink average RxQual occurrences for AMR-WB with 6.6 kbit/s codec (for Bin4)	SCANBTSE.AMRRX_QUAL_64	Sum	seclctbh , sectchbh, sectchfrbh, Sum

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R_WB6600_ Bin4			average RxQual occurrences for AMR- WB with 6.6 kbit/s codec (for Bin4)			sectchbh, sectchfrb h, Sum
Total_UL_Av gRxQual_AM R_WB8850_ Bin1	ACCUMULA TION	INTEG ER	Number of uplink average RxQual occurrences for AMR- WB with 8.85 kbit/s codec (for Bin1)	SCANBTSE.AMRRX QUAL_15	Sum	seclctbh , sectchbh, sectchfrb h, Sum
Total_UL_Av gRxQual_AM R_WB8850_ Bin2	ACCUMULA TION	INTEG ER	Number of uplink average RxQual occurrences for AMR- WB with 8.85 kbit/s codec (for Bin2)	SCANBTSE.AMRRX QUAL_31	Sum	seclctbh , sectchbh, sectchfrb h, Sum
Total_UL_Av gRxQual_AM R_WB8850_ Bin3	ACCUMULA TION	INTEG ER	Number of uplink average RxQual occurrences for AMR- WB with 8.85 kbit/s codec (for Bin3)	SCANBTSE.AMRRX QUAL_47	Sum	seclctbh , sectchbh, sectchfrb h, Sum
Total_UL_Av gRxQual_AM R_WB8850_ Bin4	ACCUMULA TION	INTEG ER	Number of uplink average RxQual occurrences for AMR-	SCANBTSE.AMRRX QUAL_63	Sum	seclctbh , sectchbh, sectchfrb h, Sum

			WB with 8.85 kbit/s codec (for Bin4)			
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7.5.89 Cell.Siemens.GSM.SDCCH_busy_per_procedure

SDCCH busy per procedure

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Abnormal_cases	INTENSITY	FLOAT	Mean number of busy SDCCHs for abnormal cases	SCANBTS.MBUSYSS P_6	Average	seccchbh , seclctbh , sectchbh, Sum, Minimum, Maximum
Other_signalling	INTENSITY	FLOAT	Mean number of busy SDCCHs for other signalling procedures	SCANBTS.MBUSYSS P_5	Average	seccchbh , seclctbh , sectchbh, Sum, Minimum, Maximum
SMS_signalling	INTENSITY	FLOAT	Mean number of busy SDCCHs for SMS signalling	SCANBTS.MBUSYSS P_2	Average	seccchbh , seclctbh , sectchbh, Sum, Minimum

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						m, Maximum
Speech_signalling	INTENSITY	FLOAT	Mean number of busy SDCCHs for speech signalling	SCANBTS.MBUSYSS P_1	Average	seccchbh , secrlctbh , sectchbh, Sum, Minimum, Maximum
SS_signalling	INTENSITY	FLOAT	Mean number of busy SDCCHs for SS signalling	SCANBTS.MBUSYSS P_4	Average	seccchbh , secrlctbh , sectchbh, Sum, Minimum, Maximum
USSD_signalling	INTENSITY	FLOAT	Mean number of busy SDCCHs for USSD signalling	SCANBTS.MBUSYSS P_3	Average	seccchbh , secrlctbh , sectchbh, Sum, Minimum, Maximum

7.5.90 Cell.Siemens.GSM.SDCCH

Cell related SDCCH measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_SDCCH_dro	PERCENTAGE	FLOAT	SDCCH Drop Rate	100 * {Siemens.SDCCH.SD	Average	Average, seccchbh

ps_CS			CS	CCH_drops}/ {Siemens.Immediate_ Assignment.Successful_ _immediate_assign}		, seclctbh , sectchbh, sectchfrb h, sectchhrb h
%_SDCCH_drops	PERCENTAGE	FLOAT	SDCCH Drop Rate	100 * ({SDCCH_drops})/ ({Siemens.Immediate_ Assignment.SUCCESS FUL_IMM_ASS_SDC CH_DUE_TO_ANSW ER_PAGING} + {Siemens.Immediate_ Assignment.SUCCESS FUL_IMM_ASS_SDC CH_DUE_TO_EMER GENCY_CALL} + {Siemens.Immediate_ Assignment.SUCCESS FUL_IMM_ASS_SDC CH_DUE_TO_CALL_ REESTABLISH} + {Siemens.Immediate_ Assignment.SUCCESS FUL_IMM_ASS_SDC CH_DUE_TO_ORIG_ CALL} + {Siemens.Immediate_ Assignment.SUCCESS FUL_IMM_ASS_SDC CH_DUE_TO_LOCA TION_UPDATE} + {Siemens.Immediate_ Assignment.SUCCESS FUL_IMM_ASS_SDC CH_DUE_TO_OTHE R_PROCEDURES})	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h

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ATTEMPTED_MSC_SDCCH_HO	ACCUMULATION	INT8	Attempted MSC controlled SDCCH Handovers	SCANBTS.AOINTES_H_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
ATTEMPTED_SEIZURES_SDCCH	ACCUMULATION	INT8	Number of times a SDCCH seizure was attempted.	SCANBTS.NATTSDP_E_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
FAILED_MSC_SDCCH_HO	ACCUMULATION	INT8	Unsuccessful MSC controlled SDCCH Handovers	SCANBTS.UOINTES_H_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
LONGEST_TIME_ALL_AVAILABLE_SDCCH_ALLOCATED	INTENSITY	FLOAT	Longest time interval within the granularity period in which all available SDCCHs have been allocated.	SCANBTS.ASDCALTI_3	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
LOST_LINK_DUE_TO_CONN	ACCUMULATION	INT8	Total number of	{LOST_LINK_DUE_TO_MSRRFPCI_EXPI	Sum	seccchbh ,

SECTION_FAILURE			lost connections which were using an SDCCH due to connection failure: T_MSRFPC I expired + Distance Limit Exceeded + Handover Access Failure + Radio Link Failure + Remote Transcoder Failure	RED} + {LOST_LINK_DUE_TO_DISTANCE} + {LOST_LINK_DUE_TO_HO_FAILURE} + {LOST_LINK_DUE_TO_RADIO_LINK} + {LOST_LINK_DUE_TO_REMOTE_TRANSCODER}		seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
LOST_LINK_DUE_TO_DISTANCE	ACCUMULATION	INT8	Number of lost connections which - at the time of the loss - were using a SDCCH. Connection failure: Distance Limit Exceeded	SCANBTS.NRFLSDC C_5	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
LOST_LINK_DUE_TO_DM_RESPONSE	ACCUMULATION	INT8	Number of lost connections which - at the time of the loss -	SCANBTS.NRFLSDC C_2	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh

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			were using a SDCCH. Error indication: unsolicited DM response, multi frame established state			h, sectchhrb h, Sum
LOST_LINK_DUE_TO_HO_FAILURE	ACCUMULATION	INT8	Number of lost connections which - at the time of the loss - were using a SDCCH. Connection failure: Handover Access Failure	SCANBTS.NRFLSDC C_6	Sum	seccchbh , secrletbh , sectchbh, sectchfrbh, sectchhrbh, Sum
LOST_LINK_DUE_TO_MSRT_PCI_EXPIRED	ACCUMULATION	INT8	Number of lost connections which - at the time of the loss - were using a SDCCH. Connection failure: T_MSRTPCI expired	SCANBTS.NRFLSDC C_4	Sum	seccchbh , secrletbh , sectchbh, sectchfrbh, sectchhrbh, Sum
LOST_LINK_DUE_TO_RADIO_LINK	ACCUMULATION	INT8	Number of lost connections which - at the time of the loss - were using a SDCCH. Connection	SCANBTS.NRFLSDC C_7	Sum	seccchbh , secrletbh , sectchbh, sectchfrbh, sectchhrbh, Sum

			failure: Radio Link Failure			
LOST_LINK_D UE_TO_REMO TE_TRANSCO DER	ACCUMULA TION	INT8	Number of lost connections which - at the time of the loss - were using a SDCCH. Connection failure: Remote Transcoder Failure	SCANBTS.NRFLSDC C_8	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
LOST_LINK_D UE_TO_SEQ_E RROR	ACCUMULA TION	INT8	Number of lost connections which - at the time of the loss - were using a SDCCH .Error indication: sequence error	SCANBTS.NRFLSDC C_3	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
LOST_LINK_D UE_TO_T200_ EXPIRED	ACCUMULA TION	INT8	Number of lost connections which - at the time of the loss - were using a SDCCH. Error indication: T200	SCANBTS.NRFLSDC C_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum

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			expired			
LOST_LINK_DUE_TO_UNSPECIFIED	ACCUMULATION	INT8	Number of lost connections which - at the time of the loss - were using a SDCCH. Unspecified cause (all other causes)	SCANBTS.NRFLSDCCH_9	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
LOST_LINK_DURING_SDCCH_USED	ACCUMULATION	INT8	Number of lost connections which - at the time of the loss - were using a SDCCH (All causes)	{LOST_LINK_DUE_TO_T200_EXPIRED} + {LOST_LINK_DUE_TO_DM_RESPONSE} + {LOST_LINK_DUE_TO_SEQ_ERROR} + {LOST_LINK_DUE_TO_MSFRPCI_EXPIRED} + {LOST_LINK_DUE_TO_DISTANCE} + {LOST_LINK_DUE_TO_HO_FAILURE} + {LOST_LINK_DUE_TO_RADIO_LINK} + {LOST_LINK_DUE_TO_REMOTE_TRANSCODER} + {LOST_LINK_DUE_TO_UNSPECIFIED}	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
MAX_AVAILABLE_SDCCH	INTENSITY	INTEGER	Max of SDCCHs available for use in the observed cell including both, idle	SCANBTS.NAVSDCCH_2	Average	Average, Maximum, Minimum, seccchbh , seclctbh ,

			and busy SDCCHs.			sectchbh, sectchfrbh, sectchhrbh, Sum
MAX_BUSY_SDCCH	INTENSITY	INTEGER	Maximum number of SDCCHs which have been busy during the observation period	SCANBTS.MAXBUSDC_1	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
MAX_DEFINED_SDCCH	INTENSITY	INTEGER	Max of SDCCHs defined	SCANBTS.NDESDCCH_2	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
MEAN_AVAILABLE_SDCCH	INTENSITY	FLOAT	Mean of SDCCHs available for use in the observed cell	SCANBTS.NAVSDCCH_3	Average	Average, Maximum, Minimum, seccchbh,

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			including both, idle and busy SDCCHs.			seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
MEAN_BUSY_SDCCH	INTENSITY	FLOAT	Mean number of SDCCHs which have been busy during the observation period	SCANBTS.MBUSYSDC_1	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
MEAN_DEFINED_SDCCH	INTENSITY	FLOAT	Mean of SDCCHs defined	SCANBTS.NDESDCCH_3	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
Mean_time_between_SDCCH_drops	INTENSITY	FLOAT	Mean Time Between SDCCH Drop	thresholddiv(({MEAN_BUSY_SDCCH} * {measurement_seconds}), {SDCCH_drops},0,0)	Average	Average, Maximum, Minimum, seccchbh , seclctbh ,

						sectchbh, sectchfrb h, sectchhrb h, Sum
MIN_AVAILABLE_SDCCH	INTENSITY	INTEGER	Min of SDCCHs available for use in the observed cell including both, idle and busy SDCCHs.	SCANBTS.NAVSDCCH_1	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
MIN_DEFINED_SDCCH	INTENSITY	INTEGER	Min of SDCCHs defined	SCANBTS.NDESDCCH_1	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
NUMBER_OF_ATTEMPTED_HO_INTRACELL	ACCUMULATION	INT8	Attempted internal SDCCH handovers intracell (same BSC)	SCANBTS.AISHINTE_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h,

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						sectchhrbh, Sum
SDCCH_ASSIGNMENT_SEIZURES_DUE_TO_UNAVAILABILITY	ACCUMULATION	INT8	Number of times a SDCCH assignment request could not be served in the specified cell because no SDCCHs were free.	SCANBTS.ATSDCMBS_1	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SDCCH_Drop_Ratio	INTENSITY	FLOAT	Ratio of SDCCH Drop against assigned DCH.	if(SCANBTS.NSUCCHPC_1 + NSUCCHPC_2 + NSUCCHPC_3 + NSUCCHPC_4 + NSUCCHPC_5 + NSUCCHPC_6) = 0 then 0 else((NRCLRREQ_19 + NRCLRREQ_20 + NRCLRREQ_21 + NRCLRREQ_23 + NRCLRREQ_24 + NRCLRREQ_25 + NRCLRREQ_26 + TASSFAIL_1 + TASSFAIL_6 + TASSFAIL_11)/ (NSUCCHPC_1 + NSUCCHPC_2 + NSUCCHPC_3 + NSUCCHPC_4 + NSUCCHPC_5 + NSUCCHPC_6))	Average	Average, Maximum, Minimum, sectchbh, Sum
SDCCH_drops	ACCUMULATION	INTEGER	SDCCH Drop	SCANBTS.NRCLRREQ_19 + NRCLRREQ_20 + NRCLRREQ_21 + NRCLRREQ_23 + NRCLRREQ_24 +	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh

				NRCLRREQ_25 + NRCLRREQ_26 + TASSFAIL_1 + TASSFAIL_6 + TASSFAIL_11		h, sectchhrb h, Sum
SHORTEST_TIME_ALL_AVAILABLE_SDCCH_ALLOCATED	INTENSITY	FLOAT	Shortest time interval within the granularity period in which all available SDCCHs have been allocated.	SCANBTS.ASDCALTI_2	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_MSC_SDCCH_HANDOVERS	ACCUMULATION	INT8	Successful MSC controlled SDCCH Handovers	SCANBTS.SOINTESH_1	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_SEIZURES_SDCCH	ACCUMULATION	INT8	Number of successful SDCCH seizures.	SCANBTS.NASUSDP_E_1	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
TOTAL_TIME_ALL_AVAILABLE_S	ACCUMULATION	FLOAT	Total amount of	SCANBTS.ASDCALTI_1	Sum	Average, Maximum

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DCCH_ALLOCATED			time within the granularity period in which all available SDCCHs have been allocated.			m, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
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7.5.91 Cell.Siemens.GSM.Smooth_Channel

Cell related Smooth Channel measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
CHANNEL_MODIFICATION_SDCCH_TCH	ACCUMULATION	INT8	Number of channel modifications SDCCH to TCH	SCANBTS.NTCHSD_CM_2	Sum	seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
CHANNEL_MODIFICATION_TCH_SDCCH	ACCUMULATION	INT8	Number of channel modifications TCH to SDCCH	SCANBTS.NTCHSD_CM_1	Sum	seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
MEAN_DURATION_TCH_SD_USED_AS_SDCCH	INTENSITY	FLOAT	Mean Duration a TCH/SD with TCH_SD_Pool can be used as SDCCH	SCANBTS.MDURTCSD_1	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh,

						sectchfrbh, Sum
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7.5.92 Cell.Siemens.GSM.Stand_cell_mean_busy_CHs_BCCH

Standard cell mean busy channels BCCH

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
L0_Sta_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 0	SCANBTS_STANDAR.D.MEBUTSLY_109	Sum	seccchbh, secrctbh, sectchbh, Sum
L0_Sta_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 0	SCANBTS_STANDAR.D.MEBUTSLY_110	Sum	seccchbh, secrctbh, sectchbh, Sum
L0_Sta_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 0	SCANBTS_STANDAR.D.MEBUTSLY_111	Sum	seccchbh, secrctbh, sectchbh, Sum
L1_Sta_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 1	SCANBTS_STANDAR.D.MEBUTSLY_112	Sum	seccchbh, secrctbh, sectchbh, Sum
L1_Sta_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as	SCANBTS_STANDAR.D.MEBUTSLY_113	Sum	seccchbh, secrctbh

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			"1/2 " busy channel. Layer no 1			, sectchbh, Sum
L1_Sta_cell PDCH_in_ch arge_PCU	ACCUMULA TION	FLOA T	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 1	SCANBTS_STANDA RD.MEBUTSLY_114	Sum	seccchbh , seclctbh , sectchbh, Sum
L10_Sta_cell _CS_FR_call _count	ACCUMULA TION	FLOA T	Standard cell Each CS FR call counts as "1" busy channel. Layer no 10	SCANBTS_STANDA RD.MEBUTSLY_139	Sum	seccchbh , seclctbh , sectchbh, Sum
L10_Sta_cell _CS_HR_cal l_count	ACCUMULA TION	FLOA T	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 10	SCANBTS_STANDA RD.MEBUTSLY_140	Sum	seccchbh , seclctbh , sectchbh, Sum
L10_Sta_cell _PDCH_in_c hrge_PCU	ACCUMULA TION	FLOA T	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 10	SCANBTS_STANDA RD.MEBUTSLY_141	Sum	seccchbh , seclctbh , sectchbh, Sum
L11_Sta_cell _CS_FR_call _count	ACCUMULA TION	FLOA T	Standard cell Each CS FR call counts as "1" busy channel. Layer no 11	SCANBTS_STANDA RD.MEBUTSLY_142	Sum	seccchbh , seclctbh , sectchbh, Sum
L11_Sta_cell _CS_HR_cal l_count	ACCUMULA TION	FLOA T	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 11	SCANBTS_STANDA RD.MEBUTSLY_143	Sum	seccchbh , seclctbh , sectchbh, Sum

L11_Sta_cell _PDCH_in_c hrge_PCU	ACCUMULA TION	FLOA T	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 11	SCANBTS_STANDA RD.MEBUTSLY_144	Sum	seccchbh , secrletbh , sectchbh, Sum
L2_Sta_cell_ CS_FR_call_ count	ACCUMULA TION	FLOA T	Standard cell Each CS FR call counts as "1" busy channel. Layer no 2	SCANBTS_STANDA RD.MEBUTSLY_115	Sum	seccchbh , secrletbh , sectchbh, Sum
L2_Sta_cell_ CS_HR_call_ _count	ACCUMULA TION	FLOA T	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 2	SCANBTS_STANDA RD.MEBUTSLY_116	Sum	seccchbh , secrletbh , sectchbh, Sum
L2_Sta_cell_ PDCH_in_ch arge_PCU	ACCUMULA TION	FLOA T	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 2	SCANBTS_STANDA RD.MEBUTSLY_117	Sum	seccchbh , secrletbh , sectchbh, Sum
L3_Sta_cell_ CS_FR_call_ count	ACCUMULA TION	FLOA T	Standard cell Each CS FR call counts as "1" busy channel. Layer no 3	SCANBTS_STANDA RD.MEBUTSLY_118	Sum	seccchbh , secrletbh , sectchbh, Sum
L3_Sta_cell_ CS_HR_call_ _count	ACCUMULA TION	FLOA T	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 3	SCANBTS_STANDA RD.MEBUTSLY_119	Sum	seccchbh , secrletbh , sectchbh, Sum

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L3_Sta_cell_ PDCH_in_ch arge_PCU	ACCUMULA TION	FLOA T	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 3	SCANBTS_STANDA RD.MEBUTSLY_120	Sum	seccchbh , secrletbh , sectchbh, Sum
L4_Sta_cell_ CS_FR_call_ count	ACCUMULA TION	FLOA T	Standard cell Each CS FR call counts as "1" busy channel. Layer no 4	SCANBTS_STANDA RD.MEBUTSLY_121	Sum	seccchbh , secrletbh , sectchbh, Sum
L4_Sta_cell_ CS_HR_call_ count	ACCUMULA TION	FLOA T	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 4	SCANBTS_STANDA RD.MEBUTSLY_122	Sum	seccchbh , secrletbh , sectchbh, Sum
L4_Sta_cell_ PDCH_in_ch arge_PCU	ACCUMULA TION	FLOA T	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 4	SCANBTS_STANDA RD.MEBUTSLY_123	Sum	seccchbh , secrletbh , sectchbh, Sum
L5_Sta_cell_ CS_FR_call_ count	ACCUMULA TION	FLOA T	Standard cell Each CS FR call counts as "1" busy channel. Layer no 5	SCANBTS_STANDA RD.MEBUTSLY_124	Sum	seccchbh , secrletbh , sectchbh, Sum
L5_Sta_cell_ CS_HR_call_ count	ACCUMULA TION	FLOA T	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 5	SCANBTS_STANDA RD.MEBUTSLY_125	Sum	seccchbh , secrletbh , sectchbh, Sum
L5_Sta_cell_ PDCH_in_ch arge_PCU	ACCUMULA TION	FLOA T	Standard cell Each PDCH in charge to the PCU counts as	SCANBTS_STANDA RD.MEBUTSLY_126	Sum	seccchbh , secrletbh ,

			1 busy channel. Layer no 5			sectchbh, Sum
L6_Sta_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 6	SCANBTS_STANDAR.D.MEBUTSLY_127	Sum	seccchbh , secrctbh , sectchbh, Sum
L6_Sta_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 6	SCANBTS_STANDAR.D.MEBUTSLY_128	Sum	seccchbh , secrctbh , sectchbh, Sum
L6_Sta_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 6	SCANBTS_STANDAR.D.MEBUTSLY_129	Sum	seccchbh , secrctbh , sectchbh, Sum
L7_Sta_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 7	SCANBTS_STANDAR.D.MEBUTSLY_130	Sum	seccchbh , secrctbh , sectchbh, Sum
L7_Sta_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 7	SCANBTS_STANDAR.D.MEBUTSLY_131	Sum	seccchbh , secrctbh , sectchbh, Sum
L7_Sta_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as	SCANBTS_STANDAR.D.MEBUTSLY_132	Sum	seccchbh , secrctbh ,

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			1 busy channel. Layer no 7			sectchbh, Sum
L8_Sta_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 8	SCANBTS_STANDAR.D.MEBUTSLY_133	Sum	seccchbh , seclctbh , sectchbh, Sum
L8_Sta_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 8	SCANBTS_STANDAR.D.MEBUTSLY_134	Sum	seccchbh , seclctbh , sectchbh, Sum
L8_Sta_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 8	SCANBTS_STANDAR.D.MEBUTSLY_135	Sum	seccchbh , seclctbh , sectchbh, Sum
L9_Sta_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 9	SCANBTS_STANDAR.D.MEBUTSLY_136	Sum	seccchbh , seclctbh , sectchbh, Sum
L9_Sta_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 9	SCANBTS_STANDAR.D.MEBUTSLY_137	Sum	seccchbh , seclctbh , sectchbh, Sum
L9_Sta_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 9	SCANBTS_STANDAR.D.MEBUTSLY_138	Sum	seccchbh , seclctbh , sectchbh, Sum

7.5.93 Cell.Siemens.GSM.Stand_cell_mean_busy_CHs_NBCCH

Standard cell mean busy channels NBCCH

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
L0_Sta_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 0 (Obsolete)	SCANBTS_STANDAR.D.MEBUTSLY_145	Sum	seccchbh , seclctbh , sectchbh, Sum
L0_Sta_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 0	SCANBTS_STANDAR.D.MEBUTSLY_146	Sum	seccchbh , seclctbh , sectchbh, Sum
L0_Sta_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 0	SCANBTS_STANDAR.D.MEBUTSLY_147	Sum	seccchbh , seclctbh , sectchbh, Sum
L1_Sta_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 1	SCANBTS_STANDAR.D.MEBUTSLY_148	Sum	seccchbh , seclctbh , sectchbh, Sum
L1_Sta_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 1	SCANBTS_STANDAR.D.MEBUTSLY_149	Sum	seccchbh , seclctbh , sectchbh, Sum

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L1_Sta_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 1	SCANBTS_STANDAR.D.MEBUTSLY_150	Sum	seccchbh , secrletbh , sectchbh, Sum
L10_Sta_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 10	SCANBTS_STANDAR.D.MEBUTSLY_175	Sum	seccchbh , secrletbh , sectchbh, Sum
L10_Sta_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 10	SCANBTS_STANDAR.D.MEBUTSLY_176	Sum	seccchbh , secrletbh , sectchbh, Sum
L10_Sta_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 10	SCANBTS_STANDAR.D.MEBUTSLY_177	Sum	seccchbh , secrletbh , sectchbh, Sum
L11_Sta_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 11	SCANBTS_STANDAR.D.MEBUTSLY_178	Sum	seccchbh , secrletbh , sectchbh, Sum
L11_Sta_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 11	SCANBTS_STANDAR.D.MEBUTSLY_179	Sum	seccchbh , secrletbh , sectchbh, Sum
L11_Sta_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as	SCANBTS_STANDAR.D.MEBUTSLY_180	Sum	seccchbh , secrletbh ,

			1 busy channel. Layer no 11 (Obsolete)			sectchbh, Sum
L2_Sta_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 2	SCANBTS_STANDAR.D.MEBUTSLY_151	Sum	seccchbh , seclctbh , sectchbh, Sum
L2_Sta_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 2	SCANBTS_STANDAR.D.MEBUTSLY_152	Sum	seccchbh , seclctbh , sectchbh, Sum
L2_Sta_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 2	SCANBTS_STANDAR.D.MEBUTSLY_153	Sum	seccchbh , seclctbh , sectchbh, Sum
L3_Sta_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 3	SCANBTS_STANDAR.D.MEBUTSLY_154	Sum	seccchbh , seclctbh , sectchbh, Sum
L3_Sta_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 3	SCANBTS_STANDAR.D.MEBUTSLY_155	Sum	seccchbh , seclctbh , sectchbh, Sum
L3_Sta_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the	SCANBTS_STANDAR.D.MEBUTSLY_156	Sum	seccchbh , seclctbh

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			PCU counts as 1 busy channel. Layer no 3			, sectchbh, Sum
L4_Sta_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 4	SCANBTS_STANDAR.D.MEBUTSLY_157	Sum	seccchbh , secrctbh , sectchbh, Sum
L4_Sta_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 4	SCANBTS_STANDAR.D.MEBUTSLY_158	Sum	seccchbh , secrctbh , sectchbh, Sum
L4_Sta_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 4	SCANBTS_STANDAR.D.MEBUTSLY_159	Sum	seccchbh , secrctbh , sectchbh, Sum
L5_Sta_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 5	SCANBTS_STANDAR.D.MEBUTSLY_160	Sum	seccchbh , secrctbh , sectchbh, Sum
L5_Sta_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 5	SCANBTS_STANDAR.D.MEBUTSLY_161	Sum	seccchbh , secrctbh , sectchbh, Sum
L5_Sta_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 5	SCANBTS_STANDAR.D.MEBUTSLY_162	Sum	seccchbh , secrctbh , sectchbh, Sum

L6_Sta_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 6	SCANBTS_STANDAR.D.MEBUTSLY_163	Sum	seccchbh , seclctbh , sectchbh, Sum
L6_Sta_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 6	SCANBTS_STANDAR.D.MEBUTSLY_164	Sum	seccchbh , seclctbh , sectchbh, Sum
L6_Sta_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 6	SCANBTS_STANDAR.D.MEBUTSLY_165	Sum	seccchbh , seclctbh , sectchbh, Sum
L7_Sta_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 7	SCANBTS_STANDAR.D.MEBUTSLY_166	Sum	seccchbh , seclctbh , sectchbh, Sum
L7_Sta_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 7	SCANBTS_STANDAR.D.MEBUTSLY_167	Sum	seccchbh , seclctbh , sectchbh, Sum
L7_Sta_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 7	SCANBTS_STANDAR.D.MEBUTSLY_168	Sum	seccchbh , seclctbh , sectchbh, Sum

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L8_Sta_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 8	SCANBTS_STANDAR.D.MEBUTSLY_169	Sum	seccchbh , seclctbh , sectchbh, Sum
L8_Sta_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 8	SCANBTS_STANDAR.D.MEBUTSLY_170	Sum	seccchbh , seclctbh , sectchbh, Sum
L8_Sta_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 8	SCANBTS_STANDAR.D.MEBUTSLY_171	Sum	seccchbh , seclctbh , sectchbh, Sum
L9_Sta_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 9	SCANBTS_STANDAR.D.MEBUTSLY_172	Sum	seccchbh , seclctbh , sectchbh, Sum
L9_Sta_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 9	SCANBTS_STANDAR.D.MEBUTSLY_173	Sum	seccchbh , seclctbh , sectchbh, Sum
L9_Sta_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 9	SCANBTS_STANDAR.D.MEBUTSLY_174	Sum	seccchbh , seclctbh , sectchbh, Sum

7.5.94 Cell.Siemens.GSM.Standard_cell_mean_busy_CHs

Standard cell mean_busy channels

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
L0_Std_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 0	SCANBTS.MEBUTSLY_1	Sum	seccchbh , seclctbh , sectchbh, Sum
L0_Std_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 0	SCANBTS.MEBUTSLY_2	Sum	seccchbh , seclctbh , sectchbh, Sum
L0_Std_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 0	SCANBTS.MEBUTSLY_3	Sum	seccchbh , seclctbh , sectchbh, Sum
L1_Std_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 1	SCANBTS.MEBUTSLY_4	Sum	seccchbh , seclctbh , sectchbh, Sum
L1_Std_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 1	SCANBTS.MEBUTSLY_5	Sum	seccchbh , seclctbh , sectchbh, Sum
L1_Std_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as	SCANBTS.MEBUTSLY_6	Sum	seccchbh , seclctbh ,

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			1 busy channel. Layer no 1			sectchbh, Sum
L10_Std_cell _CS_FR_call _count	ACCUMULA TION	FLOA T	Standard cell Each CS FR call counts as "1" busy channel. Layer no 10	SCANBTS.MEBUTSL Y_31	Sum	seccchbh , seclctbh , sectchbh, Sum
L10_Std_cell _CS_HR_call _count	ACCUMULA TION	FLOA T	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 10	SCANBTS.MEBUTSL Y_32	Sum	seccchbh , seclctbh , sectchbh, Sum
L10_Std_cell _PDCH_in_c hrge_PCU	ACCUMULA TION	FLOA T	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 10	SCANBTS.MEBUTSL Y_33	Sum	seccchbh , seclctbh , sectchbh, Sum
L11_Std_cell _CS_FR_call _count	ACCUMULA TION	FLOA T	Standard cell Each CS FR call counts as "1" busy channel. Layer no 11	SCANBTS.MEBUTSL Y_34	Sum	seccchbh , seclctbh , sectchbh, Sum
L11_Std_cell _CS_HR_call _count	ACCUMULA TION	FLOA T	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 11	SCANBTS.MEBUTSL Y_35	Sum	seccchbh , seclctbh , sectchbh, Sum
L11_Std_cell _PDCH_in_c hrge_PCU	ACCUMULA TION	FLOA T	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 11	SCANBTS.MEBUTSL Y_36	Sum	seccchbh , seclctbh , sectchbh, Sum

L2_Std_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 2	SCANBTS.MEBUTSL Y_7	Sum	seccchbh , seclctbh , sectchbh, Sum
L2_Std_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 2	SCANBTS.MEBUTSL Y_8	Sum	seccchbh , seclctbh , sectchbh, Sum
L2_Std_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 2	SCANBTS.MEBUTSL Y_9	Sum	seccchbh , seclctbh , sectchbh, Sum
L3_Std_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 3	SCANBTS.MEBUTSL Y_10	Sum	seccchbh , seclctbh , sectchbh, Sum
L3_Std_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 3	SCANBTS.MEBUTSL Y_11	Sum	seccchbh , seclctbh , sectchbh, Sum
L3_Std_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 3	SCANBTS.MEBUTSL Y_12	Sum	seccchbh , seclctbh , sectchbh, Sum

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L4_Std_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 4	SCANBTS.MEBUTSLY_13	Sum	seccchbh , seclctbh , sectchbh, Sum
L4_Std_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 4	SCANBTS.MEBUTSLY_14	Sum	seccchbh , seclctbh , sectchbh, Sum
L4_Std_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 4	SCANBTS.MEBUTSLY_15	Sum	seccchbh , seclctbh , sectchbh, Sum
L5_Std_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 5	SCANBTS.MEBUTSLY_16	Sum	seccchbh , seclctbh , sectchbh, Sum
L5_Std_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 5	SCANBTS.MEBUTSLY_17	Sum	seccchbh , seclctbh , sectchbh, Sum
L5_Std_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 5	SCANBTS.MEBUTSLY_18	Sum	seccchbh , seclctbh , sectchbh, Sum
L6_Std_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy	SCANBTS.MEBUTSLY_19	Sum	seccchbh , seclctbh ,

			channel. Layer no 6			sectchbh, Sum
L6_Std_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 6	SCANBTS.MEBUTSL Y_20	Sum	seccchbh , seclctbh , sectchbh, Sum
L6_Std_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 6	SCANBTS.MEBUTSL Y_21	Sum	seccchbh , seclctbh , sectchbh, Sum
L7_Std_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 7	SCANBTS.MEBUTSL Y_22	Sum	seccchbh , seclctbh , sectchbh, Sum
L7_Std_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 7	SCANBTS.MEBUTSL Y_23	Sum	seccchbh , seclctbh , sectchbh, Sum
L7_Std_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 7	SCANBTS.MEBUTSL Y_24	Sum	seccchbh , seclctbh , sectchbh, Sum
L8_Std_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy	SCANBTS.MEBUTSL Y_25	Sum	seccchbh , seclctbh ,

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			channel. Layer no 8			sectchbh, Sum
L8_Std_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 8	SCANBTS.MEBUTSL Y_26	Sum	seccchbh , secrlctbh , sectchbh, Sum
L8_Std_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 8	SCANBTS.MEBUTSL Y_27	Sum	seccchbh , secrlctbh , sectchbh, Sum
L9_Std_cell_CS_FR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS FR call counts as "1" busy channel. Layer no 9	SCANBTS.MEBUTSL Y_28	Sum	seccchbh , secrlctbh , sectchbh, Sum
L9_Std_cell_CS_HR_call_count	ACCUMULATION	FLOAT	Standard cell Each CS HR call counts as "1/2 " busy channel. Layer no 9	SCANBTS.MEBUTSL Y_29	Sum	seccchbh , secrlctbh , sectchbh, Sum
L9_Std_cell_PDCH_in_charge_PCU	ACCUMULATION	FLOAT	Standard cell Each PDCH in charge to the PCU counts as 1 busy channel. Layer no 9	SCANBTS.MEBUTSL Y_30	Sum	seccchbh , secrlctbh , sectchbh, Sum

7.5.95 Cell.Siemens.GSM.Standard_TCH_FullRate

Cell related Fullrate Standard Traffic channel measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
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ATTEMPTED_SEIZURES_TCH	ACCUMULATION	INT8	Standard, Concentric and Extended: Attempted traffic channel seizures	SCANBTS.ATTCHSEI_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
ATTEMPTED_TCH_SEIZURES_MEETING_BLOCKED_STATE	ACCUMULATION	INT8	Standard: Attempted TCH/F seizures meeting a TCH blocked state	SCANBTS.ATCHSMBS_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
Attempted_Tchf_Seizures_Blocked_State	ACCUMULATION	INTEGER	Standard: Attempted TCH/F seizures meeting an Abis subchannel blocked state	SCANBTS.ATCHSMBS_3	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
ESTABLISHED_TCH	ACCUMULATION	INT8	Standard: Total number of TCH connections established	SCANBTS.TNTCHCL_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
LONGEST_TIME_ALL_AVAILABLE_TCH_AL	INTENSITY	FLOAT	Standard, Concentric and	SCANBTS.AALTCHTI_3	Average	Average, Maximum,

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LOCATED			Extended: Longest time interval of all available TCH/F were allocated			Minimum, seccchbh , secrldtch , sectchbh, sectchfrbh, sectchhrbh, Sum
LOST_LINK_DUE_TO_DISTANCE	ACCUMULATION	INT8	Standard: Number of Lost Radio Links While Using a TCH - Distance limit exceeded	SCANBTS.NRFLTCH_5	Sum	seccchbh , secrldtch , sectchbh, sectchfrbh, sectchhrbh, Sum
LOST_LINK_DUE_TO_DM_RESPONSE	ACCUMULATION	INT8	Standard: Number of Lost Radio Links While Using a TCH - Unsolicited DM response	SCANBTS.NRFLTCH_2	Sum	seccchbh , secrldtch , sectchbh, sectchfrbh, sectchhrbh, Sum
LOST_LINK_DUE_TO_HO_FAILURE	ACCUMULATION	INT8	Standard: Number of Lost Radio Links While Using a TCH - Handover access failure	SCANBTS.NRFLTCH_6	Sum	seccchbh , secrldtch , sectchbh, sectchfrbh, sectchhrbh, Sum
LOST_LINK_DUE_TO_MS_RFPCI_EXPIRED	ACCUMULATION	INT8	Standard: Number of Lost Radio Links While Using a TCH	SCANBTS.NRFLTCH_4	Sum	seccchbh , secrldtch , sectchbh,

			- T_MSRFPCI expired			sectchfrb h, sectchhrb h, Sum
LOST_LINK_ DUE_TO_RA DIO_LINK	ACCUMULA TION	INT8	Standard: Number of Lost Radio Links While Using a TCH - Radio link failure	SCANBTS.NRFLTC H_7	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
LOST_LINK_ DUE_TO_RE MOTE_TRAN SCODER	ACCUMULA TION	INT8	Standard: Number of Lost Radio Links While Using a TCH - Remote transcoder failure	SCANBTS.NRFLTC H_8	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
LOST_LINK_ DUE_TO_SEQ _ERROR	ACCUMULA TION	INT8	Standard: Number of Lost Radio Links While Using a TCH - Sequence error	SCANBTS.NRFLTC H_3	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
LOST_LINK_ DUE_TO_T20 0_EXPIRED	ACCUMULA TION	INT8	Standard: Number of Lost Radio Links While Using a TCH - T200 expired	SCANBTS.NRFLTC H_1	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb

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						h, Sum
LOST_LINK_DUE_TO_UNSPECIFIED	ACCUMULATION	INT8	Standard: Number of Lost Radio Links While Using a TCH - Unspecified cause	SCANBTS.NRFLTCH_9	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
MAX_AVAILABLE_TCH	INTENSITY	INTEGER	Standard: Max TCHs available for use in the observed cell including both, idle and busy TCHs	SCANBTS.NAVTCH_2	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
MAX_DEFINED_TCH	INTENSITY	INTEGER	Standard: Max TCHs defined in the observed cell	SCANBTS.NRDEFTCH_2	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
MEAN_AVAILABLE_TCH	INTENSITY	FLOAT	Standard: Mean TCHs available for use in the observed cell	SCANBTS.NAVTCH_3	Average	Average, Maximum, Minimum,

			including both, idle and busy TCHs			seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
MEAN_BUSY_TCH_ADAPTIVE_SPEECH	INTENSITY	FLOAT	Mean no. of busy TCH/AFS (adaptive multirate full rate speech traffic channel)	SCANBTS.MBTCHC HT_3	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
MEAN_BUSY_TCH_DATA	INTENSITY	FLOAT	Mean no. of busy TCH/FD (full rate data traffic channel)	SCANBTS.MBTCHC HT_4	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
MEAN_BUSY_TCH_ENHANCED_SPEECH	INTENSITY	FLOAT	Mean no. of busy TCH/EFS	SCANBTS.MBTCHC HT_2	Average	Average, Maximum,

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H			(enhanced full rate speech traffic channel)			Minimum, seccchbh, secrldtch, sectchbh, sectchfrbh, sectchhrbh, Sum
MEAN_BUSY_TCH_SPEECH	INTENSITY	FLOAT	Mean no. of busy TCH/FS (full rate speech traffic channel)	SCANBTS.MBTCHCHT_1	Average	Average, Maximum, Minimum, seccchbh, secrldtch, sectchbh, sectchfrbh, sectchhrbh, Sum
MEAN_BUSY_TCH	INTENSITY	FLOAT	Standard: Mean TCHs which have been busy	SCANBTS.MEBUSTCH_1	Average	Average, Maximum, Minimum, seccchbh, secrldtch, sectchbh, sectchfrbh, sectchhrbh, Sum
MEAN_BUSY_TIME_TCH	INTENSITY	FLOAT	Standard, Concentric and Extended: Mean TCH	SCANBTS.MTCHBUTI_1	Average	Average, Maximum, Minimum,

			Busy Time			seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
MEAN_DEFINED_TCH	INTENSITY	FLOAT	Standard: Mean TCHs defined in the observed cell	SCANBTS.NRDEFT CH_3	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
MIN_AVAILABLE_TCH	INTENSITY	INTEGER	Standard : Min TCHs available for use in the observed cell including both, idle and busy TCHs	SCANBTS.NAVTCH _1	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
MIN_DEFINED_TCH	INTENSITY	INTEGER	Standard: Min TCHs defined in the	SCANBTS.NRDEFT CH_1	Average	Average, Maximum,

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			observed cell			Minimum, seccchbh , secrletbh , sectchbh, sectchfrbh, sectchhrbh, Sum
SHORTEST_TIME_ALL_AVAILABLE_TCH_ALLOCATED	INTENSITY	FLOAT	Standard, Concentric and Extended: Shortest time interval of all available TCH/F were allocated	SCANBTS.AALTCH_TI_2	Average	Average, Maximum, Minimum, seccchbh , secrletbh , sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_SEIZURES_TCH	ACCUMULATION	INT8	Standard, Concentric and Extended: Successful traffic channel seizures	SCANBTS.SUCTCH_SE_1	Sum	seccchbh , secrletbh , sectchbh, sectchfrbh, sectchhrbh, Sum
TCH_Efficiency_Dual_Rate	PERCENTAGE	FLOAT	TCH Efficiency Dual Rate	100 * (({MEAN_AVAILABLE_TCH} + {Siemens.Concentric_TCH_FullRate.mean_available_tch_complete}) + (0.5 * ({Siemens.Standard_TCH_HalfRate.MEAN_AVAILABLE_TCH	Average	Average, seccchbh , secrletbh , sectchbh, sectchfrbh, sectchhrbh

				$\frac{\{Siemens.Concentric_TCH_HalfRate.mean_available_tch_complete\}}{((\{MEAN_DEFINED_TCH\} + \{Siemens.Concentric_TCH_FullRate.mean_defined_tch_complete\} + (0.5 * (\{Siemens.Standard_TCH_HalfRate.MEAN_DEFINED_TCH\} + \{Siemens.Concentric_TCH_HalfRate.mean_defined_tch_complete\})))}$		
TOTAL_TIME _ALL_AVAIL _TCH_ALLOC ATED	INTENSITY	FLOAT	Standard, Concentric and Extended: All Available TCH Allocated Time	SCANBTS.AALTCH TI_1	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum

7.5.96 Cell.Siemens.GSM.Standard_TCH_HalfRate

Cell related Halfrate Standard Traffic channel measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
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ATTEMPTED_SEIZURES_TCH	ACCUMULATION	INT8	Standard, Concentric and Extended: Attempted traffic channel seizures	SCANBTS.ATTCHSEI_2	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
ATTEMPTED_TCH_SEIZURES_MEETING_BLOCKED_STATE	ACCUMULATION	INT8	Standard: Attempted TCH/H seizures meeting a TCH blocked state	SCANBTS.ATCHSMBS_2	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
Attempted_Tchh_Seizures_Blocked_State	ACCUMULATION	INTEGER	Standard: Attempted TCH/H seizures meeting an Abis subchannel blocked state	SCANBTS.ATCHSMBS_4	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
ESTABLISHED_TCH	ACCUMULATION	INT8	Standard: Total number of TCH connections established	SCANBTS.TNTCHCL_2	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
LONGEST_TIME_ALL_AVAILABLE_TCH_ALLOCATED	INTENSITY	FLOAT	Standard, Concentric and Extended: Longest time interval of all available	SCANBTS.AALTCHTI_6	Average	Average, Maximum, Minimum, seccchbh ,

			TCH/H were allocated			seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
LOST_LINK_DUE_TO_DISTANCE	ACCUMULATION	INT8	Standard: Number of Lost Radio Links While Using a TCH - Distance limit exceeded	SCANBTS.NRFLTC H_14	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
LOST_LINK_DUE_TO_DM_RESPONSE	ACCUMULATION	INT8	Standard: Number of Lost Radio Links While Using a TCH - Unsolicited DM response	SCANBTS.NRFLTC H_11	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
LOST_LINK_DUE_TO_HO_FAILURE	ACCUMULATION	INT8	Standard: Number of Lost Radio Links While Using a TCH - Handover access failure	SCANBTS.NRFLTC H_15	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
LOST_LINK_DUE_TO_MS_RFPCI_EXPIRED	ACCUMULATION	INT8	Standard: Number of Lost Radio Links While Using a TCH	SCANBTS.NRFLTC H_13	Sum	seccchbh , seclctbh , sectchbh,

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			- T_MSRLFPCI expired			sectchfrb h, sectchhrb h, Sum
LOST_LINK_ DUE_TO_RA DIO_LINK	ACCUMULA TION	INT8	Standard: Number of Lost Radio Links While Using a TCH - Radio link failure	SCANBTS.NRFLTC H_16	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
LOST_LINK_ DUE_TO_RE MOTE_TRAN SCODER	ACCUMULA TION	INT8	Standard: Number of Lost Radio Links While Using a TCH - Remote transcoder failure	SCANBTS.NRFLTC H_17	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
LOST_LINK_ DUE_TO_SEQ _ERROR	ACCUMULA TION	INT8	Standard: Number of Lost Radio Links While Using a TCH - Sequence error	SCANBTS.NRFLTC H_12	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
LOST_LINK_ DUE_TO_T20 0_EXPIRED	ACCUMULA TION	INT8	Standard: Number of Lost Radio Links While Using a TCH - T200 expired	SCANBTS.NRFLTC H_10	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, sectchhrb h, Sum
LOST_LINK_ DUE_TO_UN SPECIFIED	ACCUMULA TION	INT8	Standard: Number of Lost Radio	SCANBTS.NRFLTC H_18	Sum	seccchbh , seclctbh

			Links While Using a TCH - Unspecified cause			, sectchbh, sectchfrbh, sectchhrbh, Sum
MAX_AVAILABLE_TCH	INTENSITY	INTEGER	Standard: Max TCHs available for use in the observed cell including both, idle and busy TCHs	SCANBTS.NAVTCH_5	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
MAX_DEFINED_TCH	INTENSITY	INTEGER	Standard: Max TCHs defined in the observed cell	SCANBTS.NRDEFTCH_5	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, sectchfrbh, sectchhrbh, Sum
MEAN_AVAILABLE_TCH	INTENSITY	FLOAT	Standard: Mean TCHs available for use in the observed cell including	SCANBTS.NAVTCH_6	Average	Average, Maximum, Minimum, seccchbh

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			both, idle and busy TCHs			, seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
MEAN_BUSY_TCH_ADAPTIVE_SPEECH	INTENSITY	FLOAT	Mean no. of busy TCH/AHS (adaptive multirate half rate speech traffic channel)	SCANBTS.MBTCHC HT_6	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
MEAN_BUSY_TCH_SPEECH	INTENSITY	FLOAT	Mean no. of busy TCH/HS (half rate speech traffic channel)	SCANBTS.MBTCHC HT_5	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
MEAN_BUSY_TCH	INTENSITY	FLOAT	Standard: Mean TCHs which have been busy	SCANBTS.MEBUSTCH_2	Average	Average, Maximum, Minimum, seccchbh , seclctbh

						, sectchbh, sectchfrbh, sectchhrbh, Sum
MEAN_BUSY TIME_TCH	INTENSITY	FLOAT	Standard, Concentric and Extended: Mean TCH Busy Time	SCANBTS.MTCHB UTI_2	Average	Average, Maximum, Minimum, seccchbh , secrctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
MEAN_DEFIN ED_TCH	INTENSITY	FLOAT	Standard: Mean TCHs defined in the observed cell	SCANBTS.NRDEFT CH_6	Average	Average, Maximum, Minimum, seccchbh , secrctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
MIN_AVAILA BLE_TCH	INTENSITY	INTEGER	Standard: Min TCHs available for use in the observed cell including	SCANBTS.NAVTCH _4	Average	Average, Maximum, Minimum, seccchbh

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			both, idle and busy TCHs			, seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
MIN_DEFINED_TCH	INTENSITY	INTEGER	Standard: Min TCHs defined in the observed cell	SCANBTS.NRDEFTCH_4	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
SHORTEST_TIME_ALL_AVAILABLE_TCH_ALLOCATED	INTENSITY	FLOAT	Standard, Concentric and Extended: Shortest time interval of all available TCH/H were allocated	SCANBTS.AALTCHTI_5	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum
SUCCESSFUL_SEIZURES_TCH	ACCUMULATION	INT8	Standard, Concentric and Extended: Successful traffic channel seizures	SCANBTS.SUCTCHSE_2	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh

						h, Sum
TOTAL_TIME _ALL_AVAIL _TCH_ALLOC ATED	INTENSITY	FLOAT	Standard, Concentric and Extended: All Available TCH Allocated Time	SCANBTS.AALTCH TI_4	Average	Average, Maximum, Minimum, seccchbh , seclctbh , sectchbh, sectchfrbh, sectchhrbh, Sum

7.5.97 Cell.Siemens.GSM.TBF

Cell Related Measurements of TBFs

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_TBF_drop_any_cause_DL	PERCENTAGE	FLOAT	TBF Drop Rate Any Cause DL	100 * ({Siemens.TBF.ABNORMAL_RELEASE_DL_TBF}) / ({Siemens.PDCH_diffserv.SUCCESSFUL_ASSIGNMENTS_DL_TBF})	Average	Average, seclcbh, seclctbh , sectchbh
%_TBF_drop_any_cause_UL	PERCENTAGE	FLOAT	TBF Drop Rate Any Cause UL	100 * ({Siemens.TBF.ABNORMAL_RELEASE_UL_TBF}) / ({Siemens.PDCH_diffserv.SUCCESSFUL_ASSIGNMENTS_UL_TBF})	Average	Average, seclcbh, seclctbh , sectchbh

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ABNORMAL_RELEASE_DL_TBF	ACCUMULATION	INT 8	Counter moved in release BR8 to Cell.Siemens.GSM.Unsuccessful_terminated_TBFS kpi group. Abnormal release downlink TBF(expiration of T3195)	SCANGPRS.UNSTETBF_4+UNSTETBF_5+UNSTETBF_6+UNSTETBF_10+UNSTETBF_11+UNSTETBF_12+UNSTETBF_16+UNSTETBF_17+UNSTETBF_18+UNSTETBF_22+UNSTETBF_23+UNSTETBF_24+UNSTETBF_28+UNSTETBF_29+UNSTETBF_30+UNSTETBF_34+UNSTETBF_35+UNSTETBF_36+UNSTETBF_40+UNSTETBF_41+UNSTETBF_42+UNSTETBF_46+UNSTETBF_47+UNSTETBF_48	Sum	seclcbh, seclctbh, sectchbh, Sum
ABNORMAL_RELEASE_TBF_CELL_RESELECT_DL	ACCUMULATION	INT 8	Obsolete in BR8.0; Abnormal release TBFS cell reselection ordered downlink	SCANGPRS.ABREL TBF_6	Sum	seclcbh, seclctbh, sectchbh, Sum
ABNORMAL_RELEASE_TBF_CELL_RESELECT_UL	ACCUMULATION	INT 8	Obsolete in BR8.0; Abnormal release TBFS cell reselection ordered uplink	SCANGPRS.ABREL TBF_3	Sum	seclcbh, seclctbh, sectchbh, Sum
ABNORMAL_RELEASE_TBF_RADIO_LINK_QUAL_DL	ACCUMULATION	INT 8	Obsolete in BR8.0; Abnormal release TBFS radio link quality insufficient for downlink	SCANGPRS.ABREL TBF_5	Sum	seclcbh, seclctbh, sectchbh, Sum
ABNORMAL_RELEASE	ACCUMULATION	INT 8	Obsolete in BR8.0; Abnormal release	SCANGPRS.ABREL TBF_2	Sum	seclcbh, seclctbh

LEASE_TBF_RADIO_LINK_QUAL_UL			TBFs radio link quality insufficient uplink			, sectchbh , Sum
ABNORMAL_RELEASE_TBF_RADIO_LOST_MS_DOWNLINK	ACCUMULATION	INT 8	Obsolete in BR8.0; Abnormal release TBFs radio lost with MS for downlink	SCANGPRS.ABREL TBF_4	Sum	secrlcbh, secrlctbh , sectchbh , Sum
ABNORMAL_RELEASE_TBF_RADIO_LOST_MS_UPLINK	ACCUMULATION	INT 8	Obsolete in BR8.0; Abnormal release TBFs radio lost with MS for uplink	SCANGPRS.ABREL TBF_1	Sum	secrlcbh, secrlctbh , sectchbh , Sum
ABNORMAL_RELEASE_UL_TBF	ACCUMULATION	INT 8	Counter moved in release BR8 to Cell.Siemens.GSM.Un successful_terminated_ TBFs kpi group. Abnormal release uplink TBF(expiration of T3169)	SCANGPRS.UNSTETBF_1+UNSTETBF_2+UNSTETBF_3+UNSTETBF_7+UNSTETBF_8+UNSTETBF_9+UNSTETBF_13+UNSTETBF_14+UNSTETBF_15+UNSTETBF_19+UNSTETBF_20+UNSTETBF_21+UNSTETBF_25+UNSTETBF_26+UNSTETBF_27+UNSTETBF_31+UNSTETBF_32+UNSTETBF_33+UNSTETBF_37+UNSTETBF_38+UNSTETBF_39+UNSTETBF_43+UNSTETBF_44+UNSTETBF_45	Sum	secrlcbh, secrlctbh , sectchbh , Sum

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LOST_TBF_CELL_RESELECT_DL	ACCUMULATION	INT8	Obsolete in BR9.0; Lost TBF due to cell reselection for downlink TBF	SCANGPRS.NRRFPDU_2	Sum	seclcbh, seclctbh, sectchbh, Sum
LOST_TBF_CELL_RESELECT_UL	ACCUMULATION	INT8	Obsolete in BR9.0; Counter was splitted in BR9.0; New counters introduced; Lost TBF due to cell reselection for uplink TBF	SCANGPRS.NRRFPDU_1	Sum	seclcbh, seclctbh, sectchbh, Sum
MEAN_ACTIVE_TBF	INTENSITY	FLOAT	Mean number of active TBF UP and DL per cell	{Siemens.Radio_Resource.MEAN_ACTIVE_TBF_UL} + {Siemens.Radio_Resource.MEAN_ACTIVE_TBF_DL}	Average	Average, Maximum, Minimum, seclcbh, seclctbh, sectchbh, Sum
MEAN_TBF_LEN_DL	INTENSITY	FLOAT	Modified in BR9.0; Mean TBF length downlink	(SCANGPRS.NACTTBF_13 + NACTTBF_14 + NACTTBF_15 + NACTTBF_16) * GRANULARITY * 60 / (NACTTBF_9 + NACTTBF_10 + NACTTBF_11 + NACTTBF_12)	Average	Average, Maximum, Minimum, seclcbh, seclctbh, sectchbh, Sum
MEAN_TBF_LEN_UL	INTENSITY	FLOAT	Modified in BR9.0; Mean TBF length uplink	(SCANGPRS.NACTTBF_5 + NACTTBF_6 + NACTTBF_7 + NACTTBF_8) * GRANULARITY * 60 / (NACTTBF_1 + NACTTBF_2 + NACTTBF_3 + NACTTBF_4)	Average	Average, Maximum, Minimum, seclcbh, seclctbh, sectchbh, Sum
Mean_time_between	INTENSITY	FLOAT	Mean Time Between TBF Drop Of DL TBF	thresholddiv((3600*{Siemens.Radio_Resource	Average	Average, Maximum

n_drop_of_DL_TBF				e.MEAN_ACTIVE_TBF_DL}*{measurement_seconds}), ({TBF_drop_frequency_DL}*{Siemens.TBF.ABNORMAL_RELEASE_DL_TBF}*86400/24),0,0)		m, Minimum, secrclcbh, secrclctbh, sectchbh, Sum
Mean_time_between_n_drop_of_UL_TBF	INTENSITY	FLOAT	Mean Time Between TB Drop Of UL TBF	thresholddiv((3600*{Siemens.Radio_Resource.MEAN_ACTIVE_TBF_UL}*{measurement_seconds}), ({TBF_drop_frequency_UL}*{Siemens.TBF.ABNORMAL_RELEASE_UL_TBF}*86400/24),0,0)	Average	Average, Maximum, Minimum, secrclcbh, secrclctbh, sectchbh, Sum
Received_FlushPDUs_On_Gb_For_Backserv	ACCUMULATION	INT 8	Number of received FLUSH-PDUs on Gb for background services	SCANGPRS.NRRFPDU_3	Sum	secrclcbh, secrclctbh, sectchbh, Sum
Received_FlushPDUs_On_Gb_For_Interserv	ACCUMULATION	INT 8	Number of received FLUSH-PDUs on Gb for interactive services	SCANGPRS.NRRFPDU_1	Sum	secrclcbh, secrclctbh, sectchbh, Sum
Received_FlushPDUs_On_Gb_For_Strserv	ACCUMULATION	INT 8	Number of received FLUSH-PDUs on Gb for streaming services	SCANGPRS.NRRFPDU_2	Sum	secrclcbh, secrclctbh, sectchbh, Sum
SUCCESSFUL_TBF_RELEASE	ACCUMULATION	INT 8	Obsolete in BR9.0; Successfully terminated TBF in	SCANGPRS.SUCTETBF_3	Sum	secrclcbh, secrclctbh,

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ACK_DL_TBF			RLC unacknowledged mode downlink TBF			sectchbh , Sum
SUCC_TERM_TBF_RLC_ACK_UL_TBF	ACCUMULATION	INT 8	Obsolete in BR9.0; Successfully terminated TBF in RLC acknowledged mode uplink TBF	SCANGPRS.SUCTETBF_1	Sum	seclcbh, seclctbh , sectchbh , Sum
SUCC_TERM_TBF_RLC_UNACK_DL_TBF	ACCUMULATION	INT 8	Obsolete in BR9.0; Successfully terminated TBF in RLC unacknowledged mode downlink TBF	SCANGPRS.SUCTETBF_4	Sum	seclcbh, seclctbh , sectchbh , Sum
SUCC_TERM_TBF_RLC_UNACK_UL_TBF	ACCUMULATION	INT 8	Obsolete in BR9.0; Successfully terminated TBF in RLC unacknowledged mode uplink TBF	SCANGPRS.SUCTETBF_2	Sum	seclcbh, seclctbh , sectchbh , Sum
Succ_Terminated_DL_Tbf_F or_Backserv	ACCUMULATION	INT 8	Number of successful terminated downlink TBF for background services	SCANGPRS.SUCTETBF_6	Sum	seclcbh, seclctbh , sectchbh , Sum
Succ_Terminated_DL_Tbf_F or_Interse rv	ACCUMULATION	INT 8	Number of successful terminated downlink TBF for interactive services	SCANGPRS.SUCTETBF_4	Sum	seclcbh, seclctbh , sectchbh , Sum
Succ_Terminated_DL_Tbf_F or_Streserv	ACCUMULATION	INT 8	Number of successful terminated downlink TBF for streaming services	SCANGPRS.SUCTETBF_5	Sum	seclcbh, seclctbh , sectchbh , Sum
Succ_Terminated_UL_Tbf_F or_Backserv	ACCUMULATION	INT 8	Number of successful terminated uplink TBF for background services	SCANGPRS.SUCTETBF_3	Sum	seclcbh, seclctbh , sectchbh , Sum
Succ_Terminated_UL_Tbf_F or_Interse rv	ACCUMULATION	INT 8	Number of successful terminated uplink TBF for interactive services	SCANGPRS.SUCTETBF_1	Sum	seclcbh, seclctbh , sectchbh

rv						, Sum
Succ_Terminated_UL_Tbf_F or_Streserv	ACCUMULATION	INT 8	Number of successful terminated uplink TBF for streaming services	SCANGPRS.SUCTETBF_2	Sum	seclcbh, seclctbh, sectchbh, Sum
TBF_DL_REJECTED	ACCUMULATION	INT 8	Number of TBF rejection per cell - Downlink	SCANGPRS.REJPDASS_13+REJPDASS_14+REJPDASS_15+REJPDASS_16+REJPDASS_17+REJPDASS_18+REJPDASS_19+REJPDASS_20+REJPDASS_21+REJPDASS_22+REJPDASS_23+REJPDASS_24	Sum	seclcbh, seclctbh, sectchbh, Sum
TBF_drop_frequency_DL	INTENSITY	FLOAT	TBF Drop Frequency DL	thresholddiv(({Siemens.TBF.ABNORMAL_RELEASE_DL_TBF}) * (86400/{measurement_seconds}/24), {Siemens.Radio_Resource.MEAN_ACTIVE_TBF_DL},0,0)	Average	Average, Maximum, Minimum, seclcbh, seclctbh, sectchbh, Sum
TBF_drop_frequency_UL	INTENSITY	FLOAT	TBF Drop Frequency UL	thresholddiv(({Siemens.TBF.ABNORMAL_RELEASE_UL_TBF}) * (86400/{measurement_seconds}/24), {Siemens.Radio_Resource.MEAN_ACTIVE_TBF_UL},0,0)	Average	Average, Maximum, Minimum, seclcbh, seclctbh, sectchbh, Sum
TBF_UL_REJECTED	ACCUMULATION	INT 8	Number of TBF rejection per cell -	SCANGPRS.REJPDASS_1+REJPDASS_14	Sum	seclcbh, seclctbh

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D			Uplink	+REJPDASS_2+REJPDASS_3+REJPDASS_4+REJPDASS_5+REJPDASS_6+REJPDASS_7+REJPDASS_8+REJPDASS_9+REJPDASS_10+REJPDASS_11+REJPDASS_12+REJPDASS_25		, sectchbh, Sum
TOT_TBF_REJECTED	ACCUMULATION	INT8	Number of TBF rejection per cell (UL and DL)	{TBF_UL_REJECTED} + {TBF_DL_REJECTED}	Sum	seclclbh, seclctbh, sectchbh, Sum

7.5.98 Cell.Siemens.GSM.TCH_HighLoad_Events

Traffic Load Feature Related Measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Amr_Com_Ho_Due_To_High_Tch_Load_Umif_Ce	ACCUMULATION	INTEGER	Number of AMR compression handover enabling due to high radio TCH load at Um-IF for: concentric cells (inner area), extended cells (near area)	SCANBTS.NTCHLOEV_14	Sum	secccchbh, sectchbh, Sum
Amr_Com_Ho_Due_To_High_Tch_Load_Umif_Sce	ACCUMULATION	INTEGER	Number of AMR compression handover enabling due to high radio TCH load at Um-IF for: standard cells,	SCANBTS.NTCHLOEV_13	Sum	secccchbh, sectchbh, Sum

			concentric cells (complete area), extended cells (far area)			
AMRWB_FR _ComHo_HT L_Umif_to_N B_HR_CE	ACCUMULATION	INTEGER	Number of compression handover from AMR-WB fullrate to NB halfrate due to high radio TCH load at Um-IF for:concentric cells (inner area), extended cells (near area)	SCANBTS.NTCHLO EV_16	Sum	seccchbh , sectchbh, Sum
AMRWB_FR _ComHo_HT L_Umif_to_N B_HR_SCE	ACCUMULATION	INTEGER	Number of compression handover from AMR-WB fullrate to NB halfrate due to high radio TCH load at Um-IF for: standard cells, concentric cells (complete area), extended cells (far area)	SCANBTS.NTCHLO EV_15	Sum	seccchbh , sectchbh, Sum
Incoming_Tc h_Req_Rtchl_ Higher_Amr_ Hr_Ce	ACCUMULATION	INTEGER	Number of times an incoming TCH request	SCANBTS.NTCHLO EV_7	Sum	seccchbh , sectchbh, Sum

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			met with a radio TCH load higher than the AMR halfrate activation threshold for: concentric cells (inner area), extended cells (near area)			
Incoming_Tch_Req_Rtchl_Higher_Amr_Hr_Sce	ACCUMULATION	INTEGER	Number of times an incoming TCH request met with a radio TCH load higher than the AMR halfrate activation threshold for: standard cells, concentric cells (complete area), extended cells (far area)	SCANBTS.NTCHLOEV_6	Sum	seccchbh , sectchbh, Sum
Incoming_Tch_Req_Rtchl_Higher_AMR_WB_HR_CE	ACCUMULATION	INTEGER	Number of times an incoming TCH request met with a radio TCH load higher than the AMR-WB halfrate activation threshold for: concentric cells (inner area),	SCANBTS.NTCHLOEV_9	Sum	seccchbh , sectchbh, Sum

			extended cells (near area)			
Incoming_Tch_Req_Rtchl_Higher_AMR_WB_HR_SCE	ACCUMULATION	INTEGER	Number of times an incoming TCH request met with a radio TCH load higher than the AMR-WB halfrate activation threshold for: standard cells, concentric cells (complete area), extended cells (far area)	SCANBTS.NTCHLOEV_8	Sum	seccchbh, sectchbh, Sum
Incoming_Tch_Req_Rtchl_Higher_Nonamr_Hr_Ce	ACCUMULATION	INTEGER	Number of times an incoming TCH request met with a radio TCH load higher than the non-AMR halfrate activation threshold for: concentric cells (inner area), extended cells (near area)	SCANBTS.NTCHLOEV_5	Sum	seccchbh, sectchbh, Sum
Incoming_Tch_Req_Rtchl_Higher_Nona	ACCUMULATION	INTEGER	Number of times an incoming	SCANBTS.NTCHLOEV_4	Sum	seccchbh, sectchbh,

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mr_Hr_Sce			TCH request met with a radio TCH load higher than the non-AMR halfrate activation threshold for: standard cells, concentric cells (complete area), extended cells (far area)			Sum
Incoming_Tch_Req_Subts b_Higher_Abis_Actthd	ACCUMULATION	INTEGER	Number of times an incoming TCH request met with an Abis subchannel (SUBTSLB) load higher than the Abis halfrate activation threshold	SCANBTS.NTCHLO EV_10	Sum	seccchbh , sectchbh, Sum
Nonamr_Comp_Ho_Due_To_High_Tch_Load_Umif_Ce	ACCUMULATION	INTEGER	Number of non-AMR compression handover enabling due to high radio TCH load at Um-IF for: concentric cells (inner area), extended cells (near area)	SCANBTS.NTCHLO EV_12	Sum	seccchbh , sectchbh, Sum
Nonamr_Comp_Ho_Due_To_High_Tch_	ACCUMULATION	INTEGER	Number of non-AMR compression	SCANBTS.NTCHLO EV_11	Sum	seccchbh , sectchbh,

Load_Umif_Sce			handover enabling due to high radio TCH load at Um-IF for: standard cells, concentric cells (complete area), extended cells (far area)			Sum
Nonamr_Or_Amr_Com_Ho_Enabling_Due_To_High_Subtslb	ACCUMULATION	INTEGER	Number of (non-AMR or AMR) compression handover enabling due to high SUBTSLB load at Abis-IF	SCANBTS.NTCHLO EV_17	Sum	seccchbh , sectchbh, Sum
Threshold_Exceeded_For_Etch_Hr_Due_To_High_Subtslb_Load_Umif	ACCUMULATION	INTEGER	Number of times exceeding the threshold for enhanced TCH/H pairing is detected due to high SUBTSLB load at Abis-IF	SCANBTS.NTCHLO EV_20	Sum	seccchbh , sectchbh, Sum
Threshold_Exceeded_For_Etch_Hr_Due_To_High_Tch_Load_Umif_Ce	ACCUMULATION	INTEGER	Number of times exceeding the threshold for enhanced TCH/H	SCANBTS.NTCHLO EV_19	Sum	seccchbh , sectchbh, Sum

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			pairing is detected due to high radio TCH load at Um-IF for: concentric cells (inner area), extended cells (near area)			
Threshold_Exceeded_For_Etch_Hr_Due_To_High_Tch_Load_Umif_Sce	ACCUMULATION	INTEGER	Number of times exceeding the threshold for enhanced TCH/H pairing is detected due to high radio TCH load at Um-IF for: standard cells, concentric cells (complete area), extended cells (far area)	SCANBTS.NTCHLOEV_18	Sum	secccchbh , sectchbh, Sum
Traffic_Ho_Enabling_Due_To_High_Subtslb_At_Abisif	ACCUMULATION	INTEGER	Number of traffic handover enabling due to high SUBTSLB load at Abis-IF	SCANBTS.NTCHLOEV_3	Sum	secccchbh , sectchbh, Sum
Traffic_Ho_Enabling_Due_To_High_Tch_Load_At_Umif	ACCUMULATION	INTEGER	Number of traffic handover enabling due to high TCH load at Um-IF	SCANBTS.NTCHLOEV_2	Sum	secccchbh , sectchbh, Sum
Trfct_At_The	ACCUMULATION	INTEGER	Value of	SCANBTS.NTCHLO	Sum	secccchbh

_End_Of_The_Granularity	TION	ER	traffic handover control timer (TRFCT) at the end of the granularity	EV_1		, sectchbh, Sum
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7.5.99 Cell.Siemens.GSM.TCH_Related

TCH Seizures by ARP Capable MS per Cell per Channel Type

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Lost_Radio_Links_While_Using_A_Tch_Related_To_Ms_With_Arp	ACCUMULATION	INTEGER	Number of Lost Radio Links while using a TCH related to MS with ARP	SCANBTS.NFLTCHARP_1	Sum	seccchbh, sectchbh, Sum
Succ_TchF_Seizures_Per_Arp_Capable_Ms	ACCUMULATION	INTEGER	Successful TCH/F seizures per ARP capable MS	SCANBTS.SUCTCHARP_1	Sum	seccchbh, sectchbh, Sum
Succ_TchH_Seizures_Per_Arp_Capable_Ms	ACCUMULATION	INTEGER	Successful TCH/H seizures per ARP capable MS	SCANBTS.SUCTCHARP_2	Sum	seccchbh, sectchbh, Sum
Successful_Assign_Related_To_Ms_With_Arp	ACCUMULATION	INTEGER	Number of Successful Assignments related to MS with ARP	SCANBTS.NASSARP_1	Sum	seccchbh, sectchbh, Sum

7.5.100 Cell.Siemens.GSM.TCH_SD

Cell related TCH/SD measurements

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KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
DEFINED_TCH_SD	INTENSITY	INTEGER	Number of Defined TCH/SD	SCANBTS.NDFTCHSD_1	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
MAX_AVAILABLE_TCH_SD	INTENSITY	INTEGER	Maximum number of Available TCH/SD per Cell	SCANBTS.NAVTCHSD_2	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
MEAN_AVAILABLE_TCH_SD	INTENSITY	FLOAT	Mean number of Available TCH/SD per Cell	SCANBTS.NAVTCHSD_3	Average	Average, Maximum, Minimum, seccchbh, secrlctbh, sectchbh, sectchfrbh, Sum
MIN_AVAILABLE_TCH_SD	INTENSITY	INTEGER	Minimum number of Available TCH/SD per	SCANBTS.NAVTCHSD_1	Average	Average, Maximum, Minimum

			Cell			m, seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
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7.5.101Cell.Siemens.GSM.Timeslot_resources_achieved

Timeslot resources achieved

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Bkg_DL_EDGE_%_tsl_res_achieve	ACCUMULATION	FLOAT	Background Downlink EDGE Percent Timeslot Resources Achieved	SCANGPRS.MUTLLC_60	Sum	seclcbh, seclctbh , sectchbh, Sum
Bkg_DL_GPRS_%_tsl_res_achieve	ACCUMULATION	FLOAT	Background Downlink GPRS Percent Timeslot Resources Achieved	SCANGPRS.MUTLLC_55	Sum	seclcbh, seclctbh , sectchbh, Sum
Bkg_UL_EDGE_%_tsl_res_achieve	ACCUMULATION	FLOAT	Background Uplink EDGE Percent Timeslot Resources Achieved	SCANGPRS.MUTLLC_50	Sum	seclcbh, seclctbh , sectchbh, Sum
Bkg_UL_GPRS_%_tsl_res_achieve	ACCUMULATION	FLOAT	Background Uplink GPRS Percent Timeslot Resources	SCANGPRS.MUTLLC_45	Sum	seclcbh, seclctbh , sectchbh, Sum

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			Achieved			
Int1_DL_EDGE_ %_tsl_res_achieve	ACCUMULATION	FLOAT	Interactive 1 Downlink EDGE Percent Timeslot Resources Achieved	SCANGPRS.MUTLL C_57	Sum	seclcbh, seclctbh , sectchbh, Sum
Int1_DL_GPRS_ %_tsl_res_achieve	ACCUMULATION	FLOAT	Interactive 1 Downlink GPRS Percent Timeslot Resources Achieved	SCANGPRS.MUTLL C_52	Sum	seclcbh, seclctbh , sectchbh, Sum
Int1_UL_EDGE_ %_tsl_res_achieve	ACCUMULATION	FLOAT	Interactive 1 Uplink EDGE Percent Timeslot Resources Achieved	SCANGPRS.MUTLL C_47	Sum	seclcbh, seclctbh , sectchbh, Sum
Int1_UL_GPRS_ %_tsl_res_achieve	ACCUMULATION	FLOAT	Interactive 1 Uplink GPRS Percent Timeslot Resources Achieved	SCANGPRS.MUTLL C_42	Sum	seclcbh, seclctbh , sectchbh, Sum
Int2_DL_EDGE_ %_tsl_res_achieve	ACCUMULATION	FLOAT	Interactive 2 Downlink EDGE Percent Timeslot Resources Achieved	SCANGPRS.MUTLL C_58	Sum	seclcbh, seclctbh , sectchbh, Sum
Int2_DL_GPRS_ %_tsl_res_achieve	ACCUMULATION	FLOAT	Interactive 2 Downlink GPRS Percent Timeslot Resources Achieved	SCANGPRS.MUTLL C_53	Sum	seclcbh, seclctbh , sectchbh, Sum
Int2_UL_EDGE_ %_tsl_res_achieve	ACCUMULATION	FLOAT	Interactive 2 Uplink EDGE Percent Timeslot	SCANGPRS.MUTLL C_48	Sum	seclcbh, seclctbh , sectchbh,

			Resources Achieved			Sum
Int2_UL_GPRS_ %_tsl_res_achieve	ACCUMULATION	FLOAT	Interactive 2 Uplink GPRS Percent Timeslot Resources Achieved	SCANGPRS.MUTLLC_43	Sum	seclcbh, seclctbh, sectchbh, Sum
Int3_DL_EDGE_ %_tsl_res_achieve	ACCUMULATION	FLOAT	Interactive 3 Downlink EDGE Percent Timeslot Resources Achieved	SCANGPRS.MUTLLC_59	Sum	seclcbh, seclctbh, sectchbh, Sum
Int3_DL_GPRS_ %_tsl_res_achieve	ACCUMULATION	FLOAT	Interactive 3 Downlink GPRS Percent Timeslot Resources Achieved	SCANGPRS.MUTLLC_54	Sum	seclcbh, seclctbh, sectchbh, Sum
Int3_UL_EDGE_ %_tsl_res_achieve	ACCUMULATION	FLOAT	Interactive 3 Uplink EDGE Percent Timeslot Resources Achieved	SCANGPRS.MUTLLC_49	Sum	seclcbh, seclctbh, sectchbh, Sum
Int3_UL_GPRS_ %_tsl_res_achieve	ACCUMULATION	FLOAT	Interactive 3 Uplink GPRS Percent Timeslot Resources Achieved	SCANGPRS.MUTLLC_44	Sum	seclcbh, seclctbh, sectchbh, Sum
Str_DL_EDGE_ %_tsl_res_achieve	ACCUMULATION	FLOAT	Streaming Downlink EDGE Percent Timeslot Resources Achieved	SCANGPRS.MUTLLC_56	Sum	seclcbh, seclctbh, sectchbh, Sum

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Str_DL_GPRS_ %_tsl_res_achieve	ACCUMULATION	FLOAT	Streaming Downlink GPRS Percent Timeslot Resources Achieved	SCANGPRS.MUTLLC_51	Sum	seclcbh, seclctbh, sectchbh, Sum
Str_UL_EDGE_ %_tsl_res_achieve	ACCUMULATION	FLOAT	Streaming Uplink EDGE Percent Timeslot Resources Achieved	SCANGPRS.MUTLLC_46	Sum	seclcbh, seclctbh, sectchbh, Sum
Str_UL_GPRS_ %_tsl_res_achieve	ACCUMULATION	FLOAT	Streaming Uplink GPRS Percent Timeslot Resources Achieved	SCANGPRS.MUTLLC_41	Sum	seclcbh, seclctbh, sectchbh, Sum

7.5.102Cell.Siemens.GSM.Transmitted_SACCH_frames

Measurements related to the transmitted SACCH frames using N-SACCH mode.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
DL_SACCH_frames_NSACCH_mode_SIGNALING	ACCUMULATION	INT8	Number of downlink transmitted SACCH frames using N-SACCH mode, correspond to the codec type SIGNALING	SCANBTSE.SACCHSUP_7	Sum	seccchbh, seclctbh, sectchbh, Sum
DL_SACCH_frames_NSACCH_mode_TCHAFS	ACCUMULATION	INT8	Number of downlink transmitted SACCH frames using N-SACCH mode,	SCANBTSE.SACCHSUP_1	Sum	seccchbh, seclctbh, sectchbh, Sum

			correspond to the codec type TCH/AFS			
DL_SACCH_frames_NSACCH_mode_TCHAHS	ACCUMULATION	INT8	Number of downlink transmitted SACCH frames using N-SACCH mode, correspond to the codec type TCH/AHS	SCANBTSE.SACCHS UP_2	Sum	seccchbh , seclctbh , sectchbh, Sum
DL_SACCH_frames_NSACCH_mode_TCHEFS	ACCUMULATION	INT8	Number of downlink transmitted SACCH frames using N-SACCH mode, correspond to the codec type TCH/EFS	SCANBTSE.SACCHS UP_3	Sum	seccchbh , seclctbh , sectchbh, Sum
DL_SACCH_frames_NSACCH_mode_TCHF5	ACCUMULATION	INT8	Number of downlink transmitted SACCH frames using N-SACCH mode, correspond to the codec type TCH/FS	SCANBTSE.SACCHS UP_4	Sum	seccchbh , seclctbh , sectchbh, Sum
DL_SACCH_frames_NSACCH_mode_TCHHS	ACCUMULATION	INT8	Number of downlink transmitted SACCH frames using N-SACCH	SCANBTSE.SACCHS UP_5	Sum	seccchbh , seclctbh , sectchbh, Sum

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			mode, correspond to the codec type TCH/HS			
DL_SACCH_f rames_NSAC CH_mode_TC HWFS	ACCUMULA TION	INT8	Number of downlink transmitted SACCH frames using N-SACCH mode, correspond to the codec type TCH/WFS	SCANBTSE.SACCHS UP_6	Sum	seccchbh , seclctbh , sectchbh, Sum
DL_SACCH_f rames_RSAC CH_mode_SIG NALING	ACCUMULA TION	INT8	Number of downlink transmitted SACCH frames using R-SACCH mode, correspond to the codec type SIGNALING	SCANBTSE.SACCHS UP_14	Sum	seccchbh , seclctbh , sectchbh, Sum
DL_SACCH_f rames_RSAC CH_mode_TCH AFS	ACCUMULA TION	INT8	Number of downlink transmitted SACCH frames using R-SACCH mode, correspond to the codec type TCH/AFS	SCANBTSE.SACCHS UP_8	Sum	seccchbh , seclctbh , sectchbh, Sum
DL_SACCH_f rames_RSAC CH_mode_TCH AHS	ACCUMULA TION	INT8	Number of downlink transmitted SACCH frames using R-SACCH mode, correspond to the codec type	SCANBTSE.SACCHS UP_9	Sum	seccchbh , seclctbh , sectchbh, Sum

			TCH/AHS			
DL_SACCH_frames_RSACCH_mode_TCH_EFS	ACCUMULATION	INT8	Number of downlink transmitted SACCH frames using R-SACCH mode, correspond to the codec type TCH/EFS	SCANBTSE.SACCHS_UP_10	Sum	seccchbh , seclctbh , sectchbh, Sum
DL_SACCH_frames_RSACCH_mode_TCH_FS	ACCUMULATION	INT8	Number of downlink transmitted SACCH frames using R-SACCH mode, correspond to the codec type TCH/FS	SCANBTSE.SACCHS_UP_11	Sum	seccchbh , seclctbh , sectchbh, Sum
DL_SACCH_frames_RSACCH_mode_TCH_HS	ACCUMULATION	INT8	Number of downlink transmitted SACCH frames using R-SACCH mode, correspond to the codec type TCH/HS	SCANBTSE.SACCHS_UP_12	Sum	seccchbh , seclctbh , sectchbh, Sum
DL_SACCH_frames_RSACCH_mode_TCH_WFS	ACCUMULATION	INT8	Number of downlink transmitted SACCH frames using R-SACCH mode, correspond to	SCANBTSE.SACCHS_UP_13	Sum	seccchbh , seclctbh , sectchbh, Sum

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			the codec type TCH/WFS			
UL_SACCH_frames_NSACCH_mode_SIGNALING	ACCUMULATION	INT8	Number of uplink transmitted SACCH frames using N-SACCH mode, correspond to the codec type SIGNALING	SCANBTSE.SACCHS UP_21	Sum	seccchbh , seclctbh , sectchbh, Sum
UL_SACCH_frames_NSACCH_mode_TCH_AFS	ACCUMULATION	INT8	Number of uplink transmitted SACCH frames using N-SACCH mode, correspond to the codec type TCH/AFS	SCANBTSE.SACCHS UP_15	Sum	seccchbh , seclctbh , sectchbh, Sum
UL_SACCH_frames_NSACCH_mode_TCH_AHS	ACCUMULATION	INT8	Number of uplink transmitted SACCH frames using N-SACCH mode, correspond to the codec type TCH/AHS	SCANBTSE.SACCHS UP_16	Sum	seccchbh , seclctbh , sectchbh, Sum
UL_SACCH_frames_NSACCH_mode_TCH_EFS	ACCUMULATION	INT8	Number of uplink transmitted SACCH frames using N-SACCH mode, correspond to the codec type TCH/EFS	SCANBTSE.SACCHS UP_17	Sum	seccchbh , seclctbh , sectchbh, Sum
UL_SACCH_f	ACCUMULA	INT8	Number of	SCANBTSE.SACCHS	Sum	seccchbh

frames_NSACCH_mode_TCHFS	ACCUMULATION		uplink transmitted SACCH frames using N-SACCH mode, correspond to the codec type TCH/FS	UP_18		, seclctbh , sectchbh, Sum
UL_SACCH_frames_NSACCH_mode_TCHFS	ACCUMULATION	INT8	Number of uplink transmitted SACCH frames using N-SACCH mode, correspond to the codec type TCH/HS	SCANBTSE.SACCHS UP_19	Sum	seccchbh , seclctbh , sectchbh, Sum
UL_SACCH_frames_NSACCH_mode_TCHWFS	ACCUMULATION	INT8	Number of uplink transmitted SACCH frames using N-SACCH mode, correspond to the codec type TCH/WFS	SCANBTSE.SACCHS UP_20	Sum	seccchbh , seclctbh , sectchbh, Sum
UL_SACCH_frames_RSACCH_mode_SIGNALLING	ACCUMULATION	INT8	Number of uplink transmitted SACCH frames using R-SACCH mode, correspond to the codec type SIGNALING	SCANBTSE.SACCHS UP_28	Sum	seccchbh , seclctbh , sectchbh, Sum

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UL_SACCH_frames_RSACCH_mode_TCH_AFS	ACCUMULATION	INT8	Number of uplink transmitted SACCH frames using R-SACCH mode, correspond to the codec type TCH/AFS	SCANBTSE.SACCHS_UP_22	Sum	seccchbh , seclctbh , sectchbh, Sum
UL_SACCH_frames_RSACCH_mode_TCH_AHS	ACCUMULATION	INT8	Number of uplink transmitted SACCH frames using R-SACCH mode, correspond to the codec type TCH/AHS	SCANBTSE.SACCHS_UP_23	Sum	seccchbh , seclctbh , sectchbh, Sum
UL_SACCH_frames_RSACCH_mode_TCH_EFS	ACCUMULATION	INT8	Number of uplink transmitted SACCH frames using R-SACCH mode, correspond to the codec type TCH/EFS	SCANBTSE.SACCHS_UP_24	Sum	seccchbh , seclctbh , sectchbh, Sum
UL_SACCH_frames_RSACCH_mode_TCH_FS	ACCUMULATION	INT8	Number of uplink transmitted SACCH frames using R-SACCH mode, correspond to the codec type TCH/FS	SCANBTSE.SACCHS_UP_25	Sum	seccchbh , seclctbh , sectchbh, Sum
UL_SACCH_frames_RSACCH_mode_TCH	ACCUMULATION	INT8	Number of uplink transmitted	SCANBTSE.SACCHS_UP_26	Sum	seccchbh , seclctbh

HS			SACCH frames using R-SACCH mode, correspond to the codec type TCH/HS			, sectchbh, Sum
UL_SACCH_frames_RSACCH_mode_TCH_WFS	ACCUMULATION	INT8	Number of uplink transmitted SACCH frames using R-SACCH mode, correspond to the codec type TCH/WFS	SCANBTSE.SACCHS UP_27	Sum	seccchbh, secrctbh, sectchbh, Sum

7.5.103Cell.Siemens.GSM.Unsuccessful_cell_reselections

Unsuccessful cell reselections

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
GSM_inter_BSC_forced_standby	ACCUMULATION	INTEGER	Number of unsuccessful network supported cell reselections per cell and cause and type of target cell. GSM different BSC.Forced to the standby state	SCANGPRS.UNCRO RIG_12	Sum	seclcbh, secrctbh, sectchbh, Sum
GSM_inter_BSC_frequency	ACCUMULATION	INTEGER	Number of unsuccessful network	SCANGPRS.UNCRO RIG_7	Sum	seclcbh, secrctbh, ,

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			supported cell reselections per cell and cause and type of target cell. GSM different BSC. Frequency not implemented			sectchbh, Sum
GSM_inter BSC_no_response	ACCUMULATION	INTEGER	Number of unsuccessful network supported cell reselections per cell and cause and type of target cell. GSM different BSC.No response on target cell	SCANGPRS.UNCRO RIG_8	Sum	seclcbh, seclctbh , sectchbh, Sum
GSM_inter BSC_ongoing_CS	ACCUMULATION	INTEGER	Number of unsuccessful network supported cell reselections per cell and cause and type of target cell. GSM different BSC.Ongoing CS connection	SCANGPRS.UNCRO RIG_10	Sum	seclcbh, seclctbh , sectchbh, Sum
GSM_inter BSC_reject	ACCUMULATION	INTEGER	Number of unsuccessful network supported cell reselections per cell and cause and type of target cell. GSM different BSC.IMMEDIATE ASSIGNMENT REJECT or	SCANGPRS.UNCRO RIG_9	Sum	seclcbh, seclctbh , sectchbh, Sum

			PACKET ACCESS REJECT on target cell			
GSM_inter BSC_standby	ACCUMULATION	INTEGER	Number of unsuccessful network supported cell reselections per cell and cause and type of target cell. GSM different BSC.MS in GMM standby state	SCANGPRS.UNCRO RIG_11	Sum	seclcbh, seclctbh , sectchbh, Sum
GSM_intra BSC_forced _standby	ACCUMULATION	INTEGER	Number of unsuccessful network supported cell reselections per cell and cause and type of target cell. GSM same BSC.Forced to the standby state	SCANGPRS.UNCRO RIG_6	Sum	seclcbh, seclctbh , sectchbh, Sum
GSM_intra BSC_freque ncy	ACCUMULATION	INTEGER	Number of unsuccessful network supported cell reselections per cell and cause and type of target cell. GSM same BSC. Frequency not implemented	SCANGPRS.UNCRO RIG_1	Sum	seclcbh, seclctbh , sectchbh, Sum
GSM_intra	ACCUMULATION	INTEGER	Number of	SCANGPRS.UNCRO	Sum	seclcbh,

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BSC_no_response	TION	ER	unsuccessful network supported cell reselections per cell and cause and type of target cell. GSM same BSC. No response on target cell	RIG_2		seclctbh , sectchbh, Sum
GSM_intra BSC_ongoing_CS	ACCUMULATION	INTEGER	Number of unsuccessful network supported cell reselections per cell and cause and type of target cell. GSM same BSC.Ongoing CS connection	SCANGPRS.UNCRO RIG_4	Sum	seclcbh, seclctbh , sectchbh, Sum
GSM_intra BSC_reject	ACCUMULATION	INTEGER	Number of unsuccessful network supported cell reselections per cell and cause and type of target cell. GSM same BSC.IMMEDIATE ASSIGNMENT REJECT or PACKET ACCESS REJECT on target cell	SCANGPRS.UNCRO RIG_3	Sum	seclcbh, seclctbh , sectchbh, Sum
GSM_intra BSC_standby	ACCUMULATION	INTEGER	Number of unsuccessful network supported cell reselections per cell and cause	SCANGPRS.UNCRO RIG_5	Sum	seclcbh, seclctbh , sectchbh, Sum

			and type of target cell. GSM same BSC.MS in GMM standby state			
UMTS_forced_standby	ACCUMULATION	INTEGER	Number of unsuccessful network supported cell reselections per cell and cause and type of target cell. UMTS.Forced to the standby state	SCANGPRS.UNCRO RIG_18	Sum	seclcbh, seclctbh, sectchbh, Sum
UMTS_frequency	ACCUMULATION	INTEGER	Number of unsuccessful network supported cell reselections per cell and cause and type of target cell. UMTS. Frequency not implemented	SCANGPRS.UNCRO RIG_13	Sum	seclcbh, seclctbh, sectchbh, Sum
UMTS_no_response	ACCUMULATION	INTEGER	Number of unsuccessful network supported cell reselections per cell and cause and type of target cell. UMTS.No response on target cell	SCANGPRS.UNCRO RIG_14	Sum	seclcbh, seclctbh, sectchbh, Sum
UMTS_ong	ACCUMULATION	INTEGER	Number of	SCANGPRS.UNCRO	Sum	seclcbh,

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oing_CS	TION	ER	unsuccessful network supported cell reselections per cell and cause and type of target cell. UMTS.Ongoing CS connection	RIG_16		seclctbh, sectchbh, Sum
UMTS_reject	ACCUMULATION	INTEGER	Number of unsuccessful network supported cell reselections per cell and cause and type of target cell. UMTS. IMMEDIATE ASSIGNMENT REJECT or PACKET ACCESS REJECT on target cell	SCANGPRS.UNCRO RIG_15	Sum	seclcbh, seclctbh, sectchbh, Sum
UMTS_standby	ACCUMULATION	INTEGER	Number of unsuccessful network supported cell reselections per cell and cause and type of target cell. UMTS.MS in GMM standby state	SCANGPRS.UNCRO RIG_17	Sum	seclcbh, seclctbh, sectchbh, Sum

7.5.104Cell.Siemens.GSM.Unsuccessful_terminated_TBF_diffserv

Unsuccessful Terminated TBFs (Uplink/Downlink) per Cell per Cause

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
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UnSucc_Term_Dl_Tbfs_Abis_Backserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated downlink TBFs due to the Abis/BTS component is out of service for background services	SCANGPRS.UNSTETBF_24	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_Dl_Tbfs_Abis_Interserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated downlink TBFs due to the Abis/BTS component is out of service for interactive services	SCANGPRS.UNSTETBF_22	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_Dl_Tbfs_Abis_Streamserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated downlink TBFs due to the Abis/BTS component is out of service for streaming services	SCANGPRS.UNSTETBF_23	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_Dl_Tbfs_Dtm_Estab_Backserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated downlink TBFs due to DTM establishing (set-up CS, when a MO	SCANGPRS.UNSTETBF_42	Sum	seclcbh, seclctbh, sectchbh, Sum

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			PS session is already active) for background services			
UnSucc_Term_Dl_Tbfs_Dtm_Estab_Interserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated downlink TBFs due to DTM establishing (set-up CS, when a MO PS session is already active) for interactive services	SCANGPRS.UNSTETBF_40	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_Dl_Tbfs_Dtm_Estab_Streamserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated downlink TBFs due to DTM establishing (set-up CS, when a MO PS session is already active) for streaming services	SCANGPRS.UNSTETBF_41	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_Dl_Tbfs_Expiry_T3195_Backserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated downlink TBFs due to Abnormal release (expiration of T3195) for background services	SCANGPRS.UNSTETBF_6	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term	ACCUMULATION	INTEGER	Number of	SCANGPRS.UNSTET	Sum	seclcbh,

m_Dl_Tbfs_Exp m_Dl_Tbfs_Exp_T3195_Interserv	TION	ER	unsuccessful terminated downlink TBFs due to Abnormal release (expiration of T3195) for interactive services	BF_4		seclctbh , sectchbh, Sum
UnSucc_Term_Dl_Tbfs_Exp m_Dl_Tbfs_Exp_T3195_Streamserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated downlink TBFs due to Abnormal release (expiration of T3195) for streaming services	SCANGPRS.UNSTETBF_5	Sum	seclcbh, seclctbh , sectchbh, Sum
UnSucc_Term_Dl_Tbfs_Flush_LL_Sgsn_Backserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated downlink TBFs due to reception of FLUSH_LL from SGSN for background services	SCANGPRS.UNSTETBF_36	Sum	seclcbh, seclctbh , sectchbh, Sum
UnSucc_Term_Dl_Tbfs_Flush_LL_Sgsn_Interserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated downlink TBFs due to reception of FLUSH_LL from SGSN	SCANGPRS.UNSTETBF_34	Sum	seclcbh, seclctbh , sectchbh, Sum

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			for interactive services			
UnSucc_Term_Dl_Tbfs_Flush_LL_Sgsn_Streamserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated downlink TBFs due to reception of FLUSH_LL from SGSN for streaming services	SCANGPRS.UNSTETBF_35	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_Dl_Tbfs_Gb_Link_Oos_Backserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated downlink TBFs due to Gb link related component is out of service for background services	SCANGPRS.UNSTETBF_18	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_Dl_Tbfs_Gb_Link_Oos_Interserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated downlink TBFs due to Gb link related component is out of service for interactive services	SCANGPRS.UNSTETBF_16	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_Dl_Tbfs_Gb_Link_Oos_Streamserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated downlink TBFs due to Gb link related component is	SCANGPRS.UNSTETBF_17	Sum	seclcbh, seclctbh, sectchbh, Sum

			out of service for streaming services			
UnSucc_Ter m_Dl_Tbfs_ Ho_Dtm_Esta b_Backserv	ACCUMULA TION	INTEG ER	Number of unsuccessful terminated downlink TBFs due to Handover when a DTM is established for background services	SCANGPRS.UNSTET BF_48	Sum	seclcbh, seclctbh , sectchbh, Sum
UnSucc_Ter m_Dl_Tbfs_ Ho_Dtm_Esta b_Interserv	ACCUMULA TION	INTEG ER	Number of unsuccessful terminated downlink TBFs due to Handover when a DTM is established for interactive services	SCANGPRS.UNSTET BF_46	Sum	seclcbh, seclctbh , sectchbh, Sum
UnSucc_Ter m_Dl_Tbfs_ Ho_Dtm_Esta b_Streamserv	ACCUMULA TION	INTEG ER	Number of unsuccessful terminated downlink TBFs due to Handover when a DTM is established for streaming services	SCANGPRS.UNSTET BF_47	Sum	seclcbh, seclctbh , sectchbh, Sum
UnSucc_Ter m_Dl_Tbfs_P cco_Ms_Back serv	ACCUMULA TION	INTEG ER	Number of unsuccessful terminated downlink TBFs due to	SCANGPRS.UNSTET BF_30	Sum	seclcbh, seclctbh , sectchbh, Sum

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			transmitting PCCO to MS for background services			
UnSucc_Term_Dl_Tbfs_Pcco_Ms_Inter serv	ACCUMULATION	INTEGER	Number of unsuccessful terminated downlink TBFs due to transmitting PCCO to MS for interactive services	SCANGPRS.UNSTETBF_28	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_Dl_Tbfs_Pcco_Ms_Stream serv	ACCUMULATION	INTEGER	Number of unsuccessful terminated downlink TBFs due to transmitting PCCO to MS for streaming services	SCANGPRS.UNSTETBF_29	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_Dl_Tbfs_Preemp_Back serv	ACCUMULATION	INTEGER	Number of unsuccessful terminated downlink TBFs due to Complete preemption due to CS calls (all mobiles on a certain PDCH) for background services	SCANGPRS.UNSTETBF_12	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_Dl_Tbfs_Preemp_Inter serv	ACCUMULATION	INTEGER	Number of unsuccessful terminated downlink TBFs due to Complete	SCANGPRS.UNSTETBF_10	Sum	seclcbh, seclctbh, sectchbh, Sum

			preemption due to CS calls (all mobiles on a certain PDCH) for interactive services			
UnSucc_Term_DI_Tbfs_Preemp_Streamserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated downlink TBFs due to Complete preemption due to CS calls (all mobiles on a certain PDCH) for streaming services	SCANGPRS.UNSTETBF_11	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_Tbfs_Other_Causes_Backserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated TBFs due to Other causes for background services	SCANGPRS.UNSTETBF_51	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_Tbfs_Other_Causes_Interserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated TBFs due to Other causes for interactive services	SCANGPRS.UNSTETBF_49	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_Tbfs_Other	ACCUMULATION	INTEGER	Number of unsuccessful	SCANGPRS.UNSTETBF_50	Sum	seclcbh, seclctbh

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r_Causes_Streamserv			terminated TBFs due to Other causes for streaming services			, sectchbh, Sum
UnSucc_Term_UI_Tbfs_Abis_Backserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated uplink TBFs due to the Abis/BTS component is out of service for background services	SCANGPRS.UNSTETBF_21	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_UI_Tbfs_Abis_Interserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated uplink TBFs due to the Abis/BTS component is out of service for interactive services	SCANGPRS.UNSTETBF_19	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_UI_Tbfs_Abis_Streamserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated uplink TBFs due to the Abis/BTS component is out of service for streaming services	SCANGPRS.UNSTETBF_20	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_UI_Tbfs_Dtm_Estab_Backserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated uplink TBFs due to DTM establishing (set-up CS,	SCANGPRS.UNSTETBF_39	Sum	seclcbh, seclctbh, sectchbh, Sum

			when a MO PS session is already active) for background services			
UnSucc_Term_UI_Tbfs_Dtm_Estab_Interserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated uplink TBFs due to DTM establishing (set-up CS, when a MO PS session is already active) for interactive services	SCANGPRS.UNSTETBF_37	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_UI_Tbfs_Dtm_Estab_Streamserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated uplink TBFs due to DTM establishing (set-up CS, when a MO PS session is already active) for streaming services	SCANGPRS.UNSTETBF_38	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_UI_Tbfs_Expiry_T3169_Backserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated uplink TBFs due to Abnormal release (expiration of T3169) for background	SCANGPRS.UNSTETBF_3	Sum	seclcbh, seclctbh, sectchbh, Sum

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			services			
UnSucc_Term_UI_Tbfs_Expired_T3169_Interserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated uplink TBFs due to Abnormal release (expiration of T3169) for interactive services	SCANGPRS.UNSTETBF_1	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_UI_Tbfs_Expired_T3169_Streamserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated uplink TBFs due to Abnormal release (expiration of T3169) for streaming services	SCANGPRS.UNSTETBF_2	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_UI_Tbfs_Flush_LL_Sgsn_Backserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated uplink TBFs due to reception of FLUSH_LL from SGSN for background services	SCANGPRS.UNSTETBF_33	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_UI_Tbfs_Flush_LL_Sgsn_Interserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated uplink TBFs due to reception of FLUSH_LL from SGSN for interactive	SCANGPRS.UNSTETBF_31	Sum	seclcbh, seclctbh, sectchbh, Sum

			services			
UnSucc_Term_UI_Tbfs_Flush_LL_Sgsn_Streamserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated uplink TBFs due to reception of FLUSH_LL from SGSN for streaming services	SCANGPRS.UNSTETBF_32	Sum	secrlcbh, secrlctbh, sectchbh, Sum
UnSucc_Term_UI_Tbfs_Gb_Link_Oos_Backserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated uplink TBFs due to Gb link related component is out of service for background services	SCANGPRS.UNSTETBF_15	Sum	secrlcbh, secrlctbh, sectchbh, Sum
UnSucc_Term_UI_Tbfs_Gb_Link_Oos_Interserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated uplink TBFs due to Gb link related component is out of service for interactive services	SCANGPRS.UNSTETBF_13	Sum	secrlcbh, secrlctbh, sectchbh, Sum
UnSucc_Term_UI_Tbfs_Gb_Link_Oos_Streamserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated uplink TBFs due to Gb link related component is	SCANGPRS.UNSTETBF_14	Sum	secrlcbh, secrlctbh, sectchbh, Sum

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			out of service for streaming services			
UnSucc_Ter m_UI_Tbfs_ Ho_Dtm_Esta b_Backserv	ACCUMULA TION	INTEG ER	Number of unsuccessful terminated uplink TBFs due to Handover when a DTM is established for background services	SCANGPRS.UNSTET BF_45	Sum	seclcbh, seclctbh , sectchbh, Sum
UnSucc_Ter m_UI_Tbfs_ Ho_Dtm_Esta b_Interserv	ACCUMULA TION	INTEG ER	Number of unsuccessful terminated uplink TBFs due to Handover when a DTM is established for interactive services	SCANGPRS.UNSTET BF_43	Sum	seclcbh, seclctbh , sectchbh, Sum
UnSucc_Ter m_UI_Tbfs_ Ho_Dtm_Esta b_Streamserv	ACCUMULA TION	INTEG ER	Number of unsuccessful terminated uplink TBFs due to Handover when a DTM is established for streaming services	SCANGPRS.UNSTET BF_44	Sum	seclcbh, seclctbh , sectchbh, Sum
UnSucc_Ter m_UI_Tbfs_P cco_Ms_Back serv	ACCUMULA TION	INTEG ER	Number of unsuccessful terminated uplink TBFs due to transmitting PCCO to MS for background	SCANGPRS.UNSTET BF_27	Sum	seclcbh, seclctbh , sectchbh, Sum

			services			
UnSucc_Term_UI_Tbfs_Pcco_Ms_Interserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated uplink TBFs due to transmitting PCCO to MS for interactive services	SCANGPRS.UNSTETBF_25	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_UI_Tbfs_Pcco_Ms_Streamserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated uplink TBFs due to transmitting PCCO to MS for streaming services	SCANGPRS.UNSTETBF_26	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_UI_Tbfs_Preemp_Backserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated uplink TBFs due to Complete preemption due to CS calls (all mobiles on a certain PDCH) for background services	SCANGPRS.UNSTETBF_9	Sum	seclcbh, seclctbh, sectchbh, Sum
UnSucc_Term_UI_Tbfs_Preemp_Interse rv	ACCUMULATION	INTEGER	Number of unsuccessful terminated uplink TBFs due to Complete	SCANGPRS.UNSTETBF_7	Sum	seclcbh, seclctbh, sectchbh, Sum

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			preemption due to CS calls (all mobiles on a certain PDCH) for interactive services			
UnSucc_Term_UL_Tbfs_Preemp_Streamserv	ACCUMULATION	INTEGER	Number of unsuccessful terminated uplink TBFs due to Complete preemption due to CS calls (all mobiles on a certain PDCH) for streaming services	SCANGPRS.UNSTETBF_8	Sum	seclcbh, seclctbh, sectchbh, Sum

7.5.105Cell.Siemens.GSM.Unsuccessful_terminated_TBFS

Unsuccessful terminated TBFS

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Abnormal_release_DL_expT3195	ACCUMULATION	INTEGER	Moved to Different group (Unsuccessful_terminated_TBF_diffserv) in BR9.0; Abnormal release for a downlink TBF (expiration of T3195)	SCANGPRS.UNSTETBF_2	Sum	seclcbh, seclctbh, sectchbh, Sum
Abnormal_release_UL_exp	ACCUMULATION	INTEGER	Moved to Different	SCANGPRS.UNSTETBF_1	Sum	seclcbh, seclctbh

T3169			group (Unsuccessful_terminated_TB F_diffserv) in BR9.0; Abnormal release for an uplink TBF (expiration of T3169)			, sectchbh, Sum
Complete_pre empt_DL_pri ority1	ACCUMULA TION	INTEG ER	Moved to Different group (Unsuccessful_terminated_TB F_diffserv) in BR9.0; Complete preemption of downlink TBF with priority level 1	SCANGPRS.UNSTE TBF_7	Sum	seclcbh, seclctbh , sectchbh, Sum
Complete_pre empt_DL_pri ority2	ACCUMULA TION	INTEG ER	Moved to Different group (Unsuccessful_terminated_TB F_diffserv) in BR9.0; Complete preemption of downlink TBF with priority level 2	SCANGPRS.UNSTE TBF_8	Sum	seclcbh, seclctbh , sectchbh, Sum
Complete_pre empt_DL_pri ority3	ACCUMULA TION	INTEG ER	Moved to Different group (Unsuccessful_terminated_TB F_diffserv) in	SCANGPRS.UNSTE TBF_9	Sum	seclcbh, seclctbh , sectchbh, Sum

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			BR9.0; Complete preemption of downlink TBF with priority level 3			
Complete_pre empt_UL_pri ority1	ACCUMULA TION	INTEG ER	Moved to Different group (Unsuccessful_ terminated_TB F_diffserv) in BR9.0; Complete preemption of uplink TBF with priority level 1	SCANGPRS.UNSTE TBF_3	Sum	seclcbh, seclctbh , sectchbh, Sum
Complete_pre empt_UL_pri ority2	ACCUMULA TION	INTEG ER	Moved to Different group (Unsuccessful_ terminated_TB F_diffserv) in BR9.0; Complete preemption of uplink TBF with priority level 2	SCANGPRS.UNSTE TBF_4	Sum	seclcbh, seclctbh , sectchbh, Sum
Complete_pre empt_UL_pri ority3	ACCUMULA TION	INTEG ER	Moved to Different group (Unsuccessful_ terminated_TB F_diffserv) in BR9.0; Complete preemption of uplink TBF with priority level 3	SCANGPRS.UNSTE TBF_5	Sum	seclcbh, seclctbh , sectchbh, Sum
Complete_pre	ACCUMULA	INTEG	Moved to	SCANGPRS.UNSTE	Sum	seclcbh,

empt_UL_priority4	TION	ER	Different group (Unsuccessful_terminated_TB F_diffserv) in BR9.0; Complete preemption of uplink TBF with priority level 4	TBF_6		seclctbh , sectchbh, Sum
Term_DL_Abis_out_of_service	ACCUMULATION	INTEGER	Moved to Different group (Unsuccessful_terminated_TB F_diffserv) in BR9.0; Termination of DL TBFs in case the Abis/ BTS component is out of service	SCANGPRS.UNSTE TBF_13	Sum	seclcbh, seclctbh , sectchbh, Sum
Term_DL_Gb_link_out_of_service	ACCUMULATION	INTEGER	Moved to Different group (Unsuccessful_terminated_TB F_diffserv) in BR9.0; Termination of DL TBFs in case the Gb link related component is out of service	SCANGPRS.UNSTE TBF_11	Sum	seclcbh, seclctbh , sectchbh, Sum
Term_DL_when_FLUSH_LL_from_SG	ACCUMULATION	INTEGER	Moved to Different group	SCANGPRS.UNSTE TBF_17	Sum	seclcbh, seclctbh ,

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SN			(Unsuccessful_terminated_TB F_diffserv) in BR9.0; Termination of DL TBFs due to reception of FLUSH_LL from SGSN			sectchbh, Sum
Term_DL_w hen_tx_PCC O_to_MS	ACCUMULA TION	INTEG ER	Moved to Different group (Unsuccessful_terminated_TB F_diffserv) in BR9.0; Termination of DL TBFs when transmitting PCCO to MS	SCANGPRS.UNSTE TBF_15	Sum	seclcbh, seclctbh , sectchbh, Sum
Term_UL_A bis_out_of_se rvice	ACCUMULA TION	INTEG ER	Moved to Different group (Unsuccessful_terminated_TB F_diffserv) in BR9.0; Termination of UL TBFs in case the Abis/ BTS component is out of service	SCANGPRS.UNSTE TBF_12	Sum	seclcbh, seclctbh , sectchbh, Sum
Term_UL_G b_link_out_of _service	ACCUMULA TION	INTEG ER	Moved to Different group (Unsuccessful_terminated_TB F_diffserv) in BR9.0; Termination of UL TBFs in case the Gb	SCANGPRS.UNSTE TBF_10	Sum	seclcbh, seclctbh , sectchbh, Sum

			link related component is out of service			
Term_UL_when_FLUSH_LL_from_SGSN	ACCUMULATION	INTEGER	Moved to Different group (Unsuccessful_terminated_TB F_diffserv) in BR9.0; Termination of UL TBFs due to reception of FLUSH_LL from SGSN	SCANGPRS.UNSTE TBF_16	Sum	seclcbh, seclctbh, sectchbh, Sum
Term_UL_when_tx_PCCO_to_MS	ACCUMULATION	INTEGER	Moved to Different group (Unsuccessful_terminated_TB F_diffserv) in BR9.0; Termination of UL TBFs when transmitting PCCO to MS	SCANGPRS.UNSTE TBF_14	Sum	seclcbh, seclctbh, sectchbh, Sum

7.5.106Cell.Siemens.GSM.USSD_signalling

USSD signalling

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Successful_size_USSD_signal	ACCUMULATION	INTEGER	This measurement provides the number of	SCANBTS.NSUSDS US_1	Sum	seccchbh, seclctbh,

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			successful SDCCH seizures for Unstructured Supplementary Service Data (USSD) signalling.			sectchbh, Sum
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7.5.107Cell.Siemens.GSM.Weighted_LLC_data_single_ts

Weighted LLC data single timeslot

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Bkg_DL_EDGE_LLC_data_tsl	ACCUMULATION	FLOAT	Background Downlink EDGE Weighted LLC Data Throughput Single Timeslot	SCANGPRS.MUTLLC_40	Sum	seclcbh, seclctbh, sectchbh, Sum
Bkg_DL_GPRS_LLC_data_tsl	ACCUMULATION	FLOAT	Background Downlink GPRS Weighted LLC Data Throughput Single Timeslot	SCANGPRS.MUTLLC_35	Sum	seclcbh, seclctbh, sectchbh, Sum
Bkg_UL_EDGE_LLC_data_tsl	ACCUMULATION	FLOAT	Background Uplink EDGE Weighted LLC Data Throughput Single Timeslot	SCANGPRS.MUTLLC_30	Sum	seclcbh, seclctbh, sectchbh, Sum
Bkg_UL_GPRS_LLC_data_tsl	ACCUMULATION	FLOAT	Background Uplink GPRS Weighted LLC Data	SCANGPRS.MUTLLC_25	Sum	seclcbh, seclctbh, sectchbh,

			Throughput Single Timeslot			Sum
Int1_DL_EDGE_LLC_data_tsl	ACCUMULATION	FLOAT	Interactive 1 Downlink EDGE Weighted LLC Data Throughput Single Timeslot	SCANGPRS.MUTLL C_37	Sum	seclcbh, seclctbh , sectchbh, Sum
Int1_DL_GPRS_LLC_data_tsl	ACCUMULATION	FLOAT	Interactive 1 Downlink GPRS Weighted LLC Data Throughput Single Timeslot	SCANGPRS.MUTLL C_32	Sum	seclcbh, seclctbh , sectchbh, Sum
Int1_UL_EDGE_LLC_data_tsl	ACCUMULATION	FLOAT	Interactive 1 Uplink EDGE Weighted LLC Data Throughput Single Timeslot	SCANGPRS.MUTLL C_27	Sum	seclcbh, seclctbh , sectchbh, Sum
Int1_UL_GPRS_LLC_data_tsl	ACCUMULATION	FLOAT	Interactive 1 Uplink GPRS Weighted LLC Data Throughput Single Timeslot	SCANGPRS.MUTLL C_22	Sum	seclcbh, seclctbh , sectchbh, Sum
Int2_DL_EDGE_LLC_data_tsl	ACCUMULATION	FLOAT	Interactive 2 Downlink EDGE Weighted LLC Data	SCANGPRS.MUTLL C_38	Sum	seclcbh, seclctbh , sectchbh, Sum

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			Throughput Single Timeslot			
Int2_DL_GPRS_LLC_data_tsl	ACCUMULATION	FLOAT	Interactive 2 Downlink GPRS Weighted LLC Data Throughput Single Timeslot	SCANGPRS.MUTLL C_33	Sum	seclcbh, seclctbh , sectchbh, Sum
Int2_UL_EDGE_LLC_data_tsl	ACCUMULATION	FLOAT	Interactive 2 Uplink EDGE Weighted LLC Data Throughput Single Timeslot	SCANGPRS.MUTLL C_28	Sum	seclcbh, seclctbh , sectchbh, Sum
Int2_UL_GPRS_LLC_data_tsl	ACCUMULATION	FLOAT	Interactive 2 Uplink GPRS Weighted LLC Data Throughput Single Timeslot	SCANGPRS.MUTLL C_23	Sum	seclcbh, seclctbh , sectchbh, Sum
Int3_DL_EDGE_LLC_data_tsl	ACCUMULATION	FLOAT	Interactive 3 Downlink EDGE Weighted LLC Data Throughput Single Timeslot	SCANGPRS.MUTLL C_39	Sum	seclcbh, seclctbh , sectchbh, Sum
Int3_DL_GPRS_LLC_data_tsl	ACCUMULATION	FLOAT	Interactive 3 Downlink GPRS Weighted LLC Data Throughput Single Timeslot	SCANGPRS.MUTLL C_34	Sum	seclcbh, seclctbh , sectchbh, Sum
Int3_UL_EDGE	ACCUMULATION	FLOAT	Interactive 3	SCANGPRS.MUTLL	Sum	seclcbh,

GE_LL_C_data_tsl	TION	T	Uplink EDGE Weighted LLC Data Throughput Single Timeslot	C_29		seclctbh , sectchbh, Sum
Int3_UL_GPRS_LL_C_data_tsl	ACCUMULATION	FLOAT	Interactive 3 Uplink GPRS Weighted LLC Data Throughput Single Timeslot	SCANGPRS.MUTLL C_24	Sum	seclcbh, seclctbh , sectchbh, Sum
Str_DL_EDGE_LL_C_data_tsl	ACCUMULATION	FLOAT	Streaming Downlink EDGE Weighted LLC Data Throughput Single Timeslot	SCANGPRS.MUTLL C_36	Sum	seclcbh, seclctbh , sectchbh, Sum
Str_DL_GPRS_LL_C_data_tsl	ACCUMULATION	FLOAT	Streaming Downlink GPRS Weighted LLC Data Throughput Single Timeslot	SCANGPRS.MUTLL C_31	Sum	seclcbh, seclctbh , sectchbh, Sum
Str_UL_EDGE_LL_C_data_tsl	ACCUMULATION	FLOAT	Streaming Uplink EDGE Weighted LLC Data Throughput Single Timeslot	SCANGPRS.MUTLL C_26	Sum	seclcbh, seclctbh , sectchbh, Sum
Str_UL_GPRS_LL_C_data_tsl	ACCUMULATION	FLOAT	Streaming Uplink GPRS	SCANGPRS.MUTLL C_21	Sum	seclcbh, seclctbh

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tsl			Weighted LLC Data Throughput Single Timeslot			, sectchbh, Sum
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7.5.108Cell.Siemens.GSM.Weighted_LLC_data_throughput

Weighted LLC data throughput

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Bkg_DL_EDGE_LLC_data	ACCUMULATION	FLOAT	Background Downlink EDGE Weighted LLC Data Throughput	SCANGPRS.MUTLLC_20	Sum	seclcbh, seclctbh, sectchbh, Sum
Bkg_DL_GPRS_LLC_data	ACCUMULATION	FLOAT	Background Downlink GPRS Weighted LLC Data Throughput	SCANGPRS.MUTLLC_15	Sum	seclcbh, seclctbh, sectchbh, Sum
Bkg_UL_EDGE_LLC_data	ACCUMULATION	FLOAT	Background Uplink EDGE Weighted LLC Data Throughput	SCANGPRS.MUTLLC_10	Sum	seclcbh, seclctbh, sectchbh, Sum
Bkg_UL_GPRS_LLC_data	ACCUMULATION	FLOAT	Background Uplink GPRS Weighted LLC Data Throughput	SCANGPRS.MUTLLC_5	Sum	seclcbh, seclctbh, sectchbh, Sum
Int1_DL_EDGE_LLC_data	ACCUMULATION	FLOAT	Interactive 1 Downlink EDGE Weighted LLC Data Throughput	SCANGPRS.MUTLLC_17	Sum	seclcbh, seclctbh, sectchbh, Sum
Int1_DL_GPRS	ACCUMULATION	FLOAT	Interactive 1	SCANGPRS.MUTLL	Sum	seclcbh,

RS_LLC_data	TION	T	Downlink GPRS Weighted LLC Data Throughput	C_12		seclctbh, sectchbh, Sum
Int1_UL_EDGE_LLC_data	ACCUMULATION	FLOAT	Interactive 1 Uplink EDGE Weighted LLC Data Throughput	SCANGPRS.MUTLLC_7	Sum	seclcbh, seclctbh, sectchbh, Sum
Int1_UL_GPRS_LLC_data	ACCUMULATION	FLOAT	Interactive 1 Uplink GPRS Weighted LLC Data Throughput	SCANGPRS.MUTLLC_2	Sum	seclcbh, seclctbh, sectchbh, Sum
Int2_DL_EDGE_LLC_data	ACCUMULATION	FLOAT	Interactive 2 Downlink EDGE Weighted LLC Data Throughput	SCANGPRS.MUTLLC_18	Sum	seclcbh, seclctbh, sectchbh, Sum
Int2_DL_GPRS_LLC_data	ACCUMULATION	FLOAT	Interactive 2 Downlink GPRS Weighted LLC Data Throughput	SCANGPRS.MUTLLC_13	Sum	seclcbh, seclctbh, sectchbh, Sum
Int2_UL_EDGE_LLC_data	ACCUMULATION	FLOAT	Interactive 2 Uplink EDGE Weighted LLC Data Throughput	SCANGPRS.MUTLLC_8	Sum	seclcbh, seclctbh, sectchbh, Sum
Int2_UL_GPRS_LLC_data	ACCUMULATION	FLOAT	Interactive 2 Uplink GPRS Weighted LLC Data Throughput	SCANGPRS.MUTLLC_3	Sum	seclcbh, seclctbh, sectchbh, Sum

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Int3_DL_EDGE_LLC_data	ACCUMULATION	FLOAT	Interactive 3 Downlink EDGE Weighted LLC Data Throughput	SCANGPRS.MUTLLC_19	Sum	seclcbh, seclctbh, sectchbh, Sum
Int3_DL_GPRS_LLC_data	ACCUMULATION	FLOAT	Interactive 3 Downlink GPRS Weighted LLC Data Throughput	SCANGPRS.MUTLLC_14	Sum	seclcbh, seclctbh, sectchbh, Sum
Int3_UL_EDGE_LLC_data	ACCUMULATION	FLOAT	Interactive 3 Uplink EDGE Weighted LLC Data Throughput	SCANGPRS.MUTLLC_9	Sum	seclcbh, seclctbh, sectchbh, Sum
Int3_UL_GPRS_LLC_data	ACCUMULATION	FLOAT	Interactive 3 Uplink GPRS Weighted LLC Data Throughput	SCANGPRS.MUTLLC_4	Sum	seclcbh, seclctbh, sectchbh, Sum
Str_DL_EDGE_LLC_data	ACCUMULATION	FLOAT	Streaming Downlink EDGE Weighted LLC Data Throughput	SCANGPRS.MUTLLC_16	Sum	seclcbh, seclctbh, sectchbh, Sum
Str_DL_GPRS_LLC_data	ACCUMULATION	FLOAT	Streaming Downlink GPRS Weighted LLC Data Throughput	SCANGPRS.MUTLLC_11	Sum	seclcbh, seclctbh, sectchbh, Sum
Str_UL_EDGE_LLC_data	ACCUMULATION	FLOAT	Streaming Uplink EDGE Weighted LLC Data Throughput	SCANGPRS.MUTLLC_6	Sum	seclcbh, seclctbh, sectchbh, Sum
Str_UL_GPRS_LLC_data	ACCUMULATION	FLOAT	Streaming Uplink GPRS	SCANGPRS.MUTLLC_1	Sum	seclcbh, seclctbh

			Weighted LLC Data Throughput			, sectchbh, Sum
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7.5.109Cell.Siemens.GSM.Weighted_user_data_throughput

Weighted user data throughput

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
LLC_DL_background_services	ACCUMULATION	FLOAT	Weighted user data throughput LLC downlink for background services	SCANGPRS.WUTHBS_6	Sum	seclcbh, seclctbh, sectchbh, Sum
LLC_DL_interactive_services	ACCUMULATION	FLOAT	Weighted user data throughput LLC downlink for interactive services	SCANGPRS.WUTHBS_4	Sum	seclcbh, seclctbh, sectchbh, Sum
LLC_DL_streaming_services	ACCUMULATION	FLOAT	Weighted user data throughput LLC downlink for streaming services	SCANGPRS.WUTHBS_5	Sum	seclcbh, seclctbh, sectchbh, Sum
LLC_UL_background_services	ACCUMULATION	FLOAT	Weighted user data throughput LLC uplink for background services	SCANGPRS.WUTHBS_3	Sum	seclcbh, seclctbh, sectchbh, Sum
LLC_UL_inter	ACCUMULATION	FLOAT	Weighted user	SCANGPRS.WUTHB	Sum	seclcbh,

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active_services	TION	T	data throughput LLC uplink for interactive services	S_1		seclctbh , sectchbh, Sum
LLC_UL_streaming_services	ACCUMULATION	FLOAT	Weighted user data throughput LLC uplink for streaming services	SCANGPRS.WUTHBS_2	Sum	seclcbh, seclctbh , sectchbh, Sum

7.5.110Cell.Siemens.GSM.Wireless_priority_service

Wireless priority service

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Assigned_public_queue_reqs	ACCUMULATION	FLOAT	Number of assigned public queue requests, when a WPS call is in queue	SCANBTS.WPSSUPV_8	Sum	seccchbh , seclctbh , sectchbh, Sum
Assigned_WPS_queue_reqs	ACCUMULATION	FLOAT	Number of assigned WPS queue requests, when a public call is in queue	SCANBTS.WPSSUPV_9	Sum	seccchbh , seclctbh , sectchbh, Sum
Discarded_reqs_due_to_HO	ACCUMULATION	FLOAT	Number of queued TCH requests for WPS, discarded from the queue due to handovers	SCANBTS.WPSSUPV_5	Sum	seccchbh , seclctbh , sectchbh, Sum
Discarded_reqs_due_to_MS_loss	ACCUMULATION	FLOAT	Number of queued TCH requests for WPS,	SCANBTS.WPSSUPV_6	Sum	seccchbh , seclctbh ,

			discarded from the queue due to call release or MS lost			sectchbh, Sum
Discarded_reqs_due_to_preempt	ACCUMULATION	FLOAT	Number of queued TCH requests for WPS, discarded from the queue due to preemption, or not entering the queue	SCANBTS.WPSSUP V_4	Sum	seccchbh , seclctbh , sectchbh, Sum
discarded_reqs_due_to_timer_exp	ACCUMULATION	FLOAT	Number of queued TCH requests for WPS, discarded from the queue due to timers expiry	SCANBTS.WPSSUP V_3	Sum	seccchbh , seclctbh , sectchbh, Sum
Mean_duration_HO_req_queued	ACCUMULATION	FLOAT	Mean duration a handover request is queued for WPS	SCANBTS.WPSSUP V_11	Sum	seccchbh , seclctbh , sectchbh, Sum
Mean_duration_TCH_req_queued	ACCUMULATION	FLOAT	Mean duration a TCH request is queued for WPS	SCANBTS.WPSSUP V_10	Sum	seccchbh , seclctbh , sectchbh, Sum
Requests_for_WPS	ACCUMULATION	FLOAT	Number of TCH requests for WPS	SCANBTS.WPSSUP V_1	Sum	seccchbh , seclctbh , sectchbh,

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						Sum
Requests_forw arded	ACCUMULA TION	FLOA T	Number of TCH requests forwarded to WPS queue	SCANBTS.WPSSUP V_2	Sum	seccchbh , seclctbh , sectchbh, Sum
Successfully_q ueued_TCH_re qs	ACCUMULA TION	FLOA T	Number of successful queued TCH requests for WPS	SCANBTS.WPSSUP V_7	Sum	seccchbh , seclctbh , sectchbh, Sum

7.6 Common_Control_Channel Performance Indicators

This section shows the key performance indicators and other counters for the Common_Control_Channel object, divided into the following sub-sections:

- [Common_Control_Channel.Siemens.GSM.Power_and_Quality_Uplink](#)

7.6.1 Common_Control_Channel.Siemens.GSM.Power_and_Quality_Uplink

Common Control Channel Power and Quality Measurements Uplink

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
DL_RXLev_1 evel_0	ACCUMULA TION	INT8	RXLev level 0 for downlink TCH	SCANCHAN.PWRUP DW_73	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_10	ACCUMULA TION	INT8	RXLev level 10 for downlink TCH	SCANCHAN.PWRUP DW_83	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_11	ACCUMULA TION	INT8	RXLev level 11 for downlink TCH	SCANCHAN.PWRUP DW_84	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_12	ACCUMULA TION	INT8	RXLev level 12 for downlink TCH	SCANCHAN.PWRUP DW_85	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1	ACCUMULA	INT8	RXLev level	SCANCHAN.PWRUP	Sum	sectchbh,

evel_13	TION		13 for downlink TCH	DW_86		sectchfrb h, Sum
DL_RXLev_1 evel_14	ACCUMULA TION	INT8	RXLev level 14 for downlink TCH	SCANCHAN.PWRUP DW_87	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_15	ACCUMULA TION	INT8	RXLev level 15 for downlink TCH	SCANCHAN.PWRUP DW_88	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_16	ACCUMULA TION	INT8	RXLev level 16 for downlink TCH	SCANCHAN.PWRUP DW_89	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_17	ACCUMULA TION	INT8	RXLev level 17 for downlink TCH	SCANCHAN.PWRUP DW_90	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_18	ACCUMULA TION	INT8	RXLev level 18 for downlink TCH	SCANCHAN.PWRUP DW_91	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_19	ACCUMULA TION	INT8	RXLev level 19 for downlink TCH	SCANCHAN.PWRUP DW_92	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_1	ACCUMULA TION	INT8	RXLev level 1 for downlink TCH	SCANCHAN.PWRUP DW_74	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_20	ACCUMULA TION	INT8	RXLev level 20 for downlink TCH	SCANCHAN.PWRUP DW_93	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_21	ACCUMULA TION	INT8	RXLev level 21 for downlink TCH	SCANCHAN.PWRUP DW_94	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_22	ACCUMULA TION	INT8	RXLev level 22 for downlink TCH	SCANCHAN.PWRUP DW_95	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_23	ACCUMULA TION	INT8	RXLev level 23 for downlink TCH	SCANCHAN.PWRUP DW_96	Sum	sectchbh, sectchfrb h, Sum

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DL_RXLev_1 evel_24	ACCUMULA TION	INT8	RXLev level 24 for downlink TCH	SCANCHAN.PWRUP DW_97	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_25	ACCUMULA TION	INT8	RXLev level 25 for downlink TCH	SCANCHAN.PWRUP DW_98	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_26	ACCUMULA TION	INT8	RXLev level 26 for downlink TCH	SCANCHAN.PWRUP DW_99	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_27	ACCUMULA TION	INT8	RXLev level 27 for downlink TCH	SCANCHAN.PWRUP DW_100	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_28	ACCUMULA TION	INT8	RXLev level 28 for downlink TCH	SCANCHAN.PWRUP DW_101	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_29	ACCUMULA TION	INT8	RXLev level 29 for downlink TCH	SCANCHAN.PWRUP DW_102	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_2	ACCUMULA TION	INT8	RXLev level 2 for downlink TCH	SCANCHAN.PWRUP DW_75	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_30	ACCUMULA TION	INT8	RXLev level 30 for downlink TCH	SCANCHAN.PWRUP DW_103	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_31	ACCUMULA TION	INT8	RXLev level 31 for downlink TCH	SCANCHAN.PWRUP DW_104	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_32	ACCUMULA TION	INT8	RXLev level 32 for downlink TCH	SCANCHAN.PWRUP DW_105	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_33	ACCUMULA TION	INT8	RXLev level 33 for downlink TCH	SCANCHAN.PWRUP DW_106	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_34	ACCUMULA TION	INT8	RXLev level 34 for downlink TCH	SCANCHAN.PWRUP DW_107	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_35	ACCUMULA TION	INT8	RXLev level 35 for	SCANCHAN.PWRUP DW_108	Sum	sectchbh, sectchfrb

			downlink TCH			h, Sum
DL_RXLev_1 evel_36	ACCUMULA TION	INT8	RXLev level 36 for downlink TCH	SCANCHAN.PWRUP DW_109	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_37	ACCUMULA TION	INT8	RXLev level 37 for downlink TCH	SCANCHAN.PWRUP DW_110	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_38	ACCUMULA TION	INT8	RXLev level 38 for downlink TCH	SCANCHAN.PWRUP DW_111	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_39	ACCUMULA TION	INT8	RXLev level 39 for downlink TCH	SCANCHAN.PWRUP DW_112	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_3	ACCUMULA TION	INT8	RXLev level 3 for downlink TCH	SCANCHAN.PWRUP DW_76	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_40	ACCUMULA TION	INT8	RXLev level 40 for downlink TCH	SCANCHAN.PWRUP DW_113	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_41	ACCUMULA TION	INT8	RXLev level 41 for downlink TCH	SCANCHAN.PWRUP DW_114	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_42	ACCUMULA TION	INT8	RXLev level 42 for downlink TCH	SCANCHAN.PWRUP DW_115	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_43	ACCUMULA TION	INT8	RXLev level 43 for downlink TCH	SCANCHAN.PWRUP DW_116	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_44	ACCUMULA TION	INT8	RXLev level 44 for downlink TCH	SCANCHAN.PWRUP DW_117	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_45	ACCUMULA TION	INT8	RXLev level 45 for downlink TCH	SCANCHAN.PWRUP DW_118	Sum	sectchbh, sectchfrb h, Sum

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DL_RXLev_1 evel_46	ACCUMULA TION	INT8	RXLev level 46 for downlink TCH	SCANCHAN.PWRUP DW_119	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_47	ACCUMULA TION	INT8	RXLev level 47 for downlink TCH	SCANCHAN.PWRUP DW_120	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_48	ACCUMULA TION	INT8	RXLev level 48 for downlink TCH	SCANCHAN.PWRUP DW_121	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_49	ACCUMULA TION	INT8	RXLev level 49 for downlink TCH	SCANCHAN.PWRUP DW_122	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_4	ACCUMULA TION	INT8	RXLev level 4 for downlink TCH	SCANCHAN.PWRUP DW_77	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_50	ACCUMULA TION	INT8	RXLev level 50 for downlink TCH	SCANCHAN.PWRUP DW_123	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_51	ACCUMULA TION	INT8	RXLev level 51 for downlink TCH	SCANCHAN.PWRUP DW_124	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_52	ACCUMULA TION	INT8	RXLev level 52 for downlink TCH	SCANCHAN.PWRUP DW_125	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_53	ACCUMULA TION	INT8	RXLev level 53 for downlink TCH	SCANCHAN.PWRUP DW_126	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_54	ACCUMULA TION	INT8	RXLev level 54 for downlink TCH	SCANCHAN.PWRUP DW_127	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_55	ACCUMULA TION	INT8	RXLev level 55 for downlink TCH	SCANCHAN.PWRUP DW_128	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_56	ACCUMULA TION	INT8	RXLev level 56 for downlink TCH	SCANCHAN.PWRUP DW_129	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_57	ACCUMULA TION	INT8	RXLev level 57 for	SCANCHAN.PWRUP DW_130	Sum	sectchbh, sectchfrb

			downlink TCH			h, Sum
DL_RXLev_1 evel_58	ACCUMULA TION	INT8	RXLev level 58 for downlink TCH	SCANCHAN.PWRUP DW_131	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_59	ACCUMULA TION	INT8	RXLev level 59 for downlink TCH	SCANCHAN.PWRUP DW_132	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_5	ACCUMULA TION	INT8	RXLev level 5 for downlink TCH	SCANCHAN.PWRUP DW_78	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_60	ACCUMULA TION	INT8	RXLev level 60 for downlink TCH	SCANCHAN.PWRUP DW_133	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_61	ACCUMULA TION	INT8	RXLev level 61 for downlink TCH	SCANCHAN.PWRUP DW_134	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_62	ACCUMULA TION	INT8	RXLev level 62 for downlink TCH	SCANCHAN.PWRUP DW_135	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_63	ACCUMULA TION	INT8	RXLev level 63 for downlink TCH	SCANCHAN.PWRUP DW_136	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_6	ACCUMULA TION	INT8	RXLev level 6 for downlink TCH	SCANCHAN.PWRUP DW_79	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_7	ACCUMULA TION	INT8	RXLev level 7 for downlink TCH	SCANCHAN.PWRUP DW_80	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_8	ACCUMULA TION	INT8	RXLev level 8 for downlink TCH	SCANCHAN.PWRUP DW_81	Sum	sectchbh, sectchfrb h, Sum
DL_RXLev_1 evel_9	ACCUMULA TION	INT8	RXLev level 9 for downlink TCH	SCANCHAN.PWRUP DW_82	Sum	sectchbh, sectchfrb h, Sum

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DL_RXQual_level_0	ACCUMULATION	INT8	RXQual level 0 for downlink TCH	SCANCHAN.PWRUP DW_137	Sum	sectchbh, sectchfrbh, Sum
DL_RXQual_level_1	ACCUMULATION	INT8	RXQual level 1 for downlink TCH	SCANCHAN.PWRUP DW_138	Sum	sectchbh, sectchfrbh, Sum
DL_RXQual_level_2	ACCUMULATION	INT8	RXQual level 2 for downlink TCH	SCANCHAN.PWRUP DW_139	Sum	sectchbh, sectchfrbh, Sum
DL_RXQual_level_3	ACCUMULATION	INT8	RXQual level 3 for downlink TCH	SCANCHAN.PWRUP DW_140	Sum	sectchbh, sectchfrbh, Sum
DL_RXQual_level_4	ACCUMULATION	INT8	RXQual level 4 for downlink TCH	SCANCHAN.PWRUP DW_141	Sum	sectchbh, sectchfrbh, Sum
DL_RXQual_level_5	ACCUMULATION	INT8	RXQual level 5 for downlink TCH	SCANCHAN.PWRUP DW_142	Sum	sectchbh, sectchfrbh, Sum
DL_RXQual_level_6	ACCUMULATION	INT8	RXQual level 6 for downlink TCH	SCANCHAN.PWRUP DW_143	Sum	sectchbh, sectchfrbh, Sum
DL_RXQual_level_7	ACCUMULATION	INT8	RXQual level 7 for downlink TCH	SCANCHAN.PWRUP DW_144	Sum	sectchbh, sectchfrbh, Sum
UL_RXLev_level_0	ACCUMULATION	INT8	RXLev level 0 for uplink TCH	SCANCHAN.PWRUP DW_1	Sum	sectchbh, sectchfrbh, Sum
UL_RXLev_level_10	ACCUMULATION	INT8	RXLev level 10 for uplink TCH	SCANCHAN.PWRUP DW_11	Sum	sectchbh, sectchfrbh, Sum
UL_RXLev_level_11	ACCUMULATION	INT8	RXLev level 11 for uplink TCH	SCANCHAN.PWRUP DW_12	Sum	sectchbh, sectchfrbh, Sum
UL_RXLev_level_12	ACCUMULATION	INT8	RXLev level 12 for uplink TCH	SCANCHAN.PWRUP DW_13	Sum	sectchbh, sectchfrbh, Sum
UL_RXLev_level_13	ACCUMULATION	INT8	RXLev level 13 for uplink	SCANCHAN.PWRUP DW_14	Sum	sectchbh, sectchfrbh

			TCH			h, Sum
UL_RXLev_1 evel_14	ACCUMULA TION	INT8	RXLev level 14 for uplink TCH	SCANCHAN.PWRUP DW_15	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_15	ACCUMULA TION	INT8	RXLev level 15 for uplink TCH	SCANCHAN.PWRUP DW_16	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_16	ACCUMULA TION	INT8	RXLev level 16 for uplink TCH	SCANCHAN.PWRUP DW_17	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_17	ACCUMULA TION	INT8	RXLev level 17 for uplink TCH	SCANCHAN.PWRUP DW_18	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_18	ACCUMULA TION	INT8	RXLev level 18 for uplink TCH	SCANCHAN.PWRUP DW_19	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_19	ACCUMULA TION	INT8	RXLev level 19 for uplink TCH	SCANCHAN.PWRUP DW_20	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_1	ACCUMULA TION	INT8	RXLev level 1 for uplink TCH	SCANCHAN.PWRUP DW_2	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_20	ACCUMULA TION	INT8	RXLev level 20 for uplink TCH	SCANCHAN.PWRUP DW_21	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_21	ACCUMULA TION	INT8	RXLev level 21 for uplink TCH	SCANCHAN.PWRUP DW_22	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_22	ACCUMULA TION	INT8	RXLev level 22 for uplink TCH	SCANCHAN.PWRUP DW_23	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_23	ACCUMULA TION	INT8	RXLev level 23 for uplink TCH	SCANCHAN.PWRUP DW_24	Sum	sectchbh, sectchfrb h, Sum

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UL_RXLev_1 evel_24	ACCUMULA TION	INT8	RXLev level 24 for uplink TCH	SCANCHAN.PWRUP DW_25	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_25	ACCUMULA TION	INT8	RXLev level 25 for uplink TCH	SCANCHAN.PWRUP DW_26	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_26	ACCUMULA TION	INT8	RXLev level 26 for uplink TCH	SCANCHAN.PWRUP DW_27	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_27	ACCUMULA TION	INT8	RXLev level 27 for uplink TCH	SCANCHAN.PWRUP DW_28	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_28	ACCUMULA TION	INT8	RXLev level 28 for uplink TCH	SCANCHAN.PWRUP DW_29	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_29	ACCUMULA TION	INT8	RXLev level 29 for uplink TCH	SCANCHAN.PWRUP DW_30	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_2	ACCUMULA TION	INT8	RXLev level 2 for uplink TCH	SCANCHAN.PWRUP DW_3	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_30	ACCUMULA TION	INT8	RXLev level 30 for uplink TCH	SCANCHAN.PWRUP DW_31	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_31	ACCUMULA TION	INT8	RXLev level 31 for uplink TCH	SCANCHAN.PWRUP DW_32	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_32	ACCUMULA TION	INT8	RXLev level 32 for uplink TCH	SCANCHAN.PWRUP DW_33	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_33	ACCUMULA TION	INT8	RXLev level 33 for uplink TCH	SCANCHAN.PWRUP DW_34	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_34	ACCUMULA TION	INT8	RXLev level 34 for uplink TCH	SCANCHAN.PWRUP DW_35	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_35	ACCUMULA TION	INT8	RXLev level 35 for uplink	SCANCHAN.PWRUP DW_36	Sum	sectchbh, sectchfrb

			TCH			h, Sum
UL_RXLev_1 evel_36	ACCUMULA TION	INT8	RXLev level 36 for uplink TCH	SCANCHAN.PWRUP DW_37	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_37	ACCUMULA TION	INT8	RXLev level 37 for uplink TCH	SCANCHAN.PWRUP DW_38	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_38	ACCUMULA TION	INT8	RXLev level 38 for uplink TCH	SCANCHAN.PWRUP DW_39	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_39	ACCUMULA TION	INT8	RXLev level 39 for uplink TCH	SCANCHAN.PWRUP DW_40	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_3	ACCUMULA TION	INT8	RXLev level 3 for uplink TCH	SCANCHAN.PWRUP DW_4	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_40	ACCUMULA TION	INT8	RXLev level 40 for uplink TCH	SCANCHAN.PWRUP DW_41	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_41	ACCUMULA TION	INT8	RXLev level 41 for uplink TCH	SCANCHAN.PWRUP DW_42	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_42	ACCUMULA TION	INT8	RXLev level 42 for uplink TCH	SCANCHAN.PWRUP DW_43	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_43	ACCUMULA TION	INT8	RXLev level 43 for uplink TCH	SCANCHAN.PWRUP DW_44	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_44	ACCUMULA TION	INT8	RXLev level 44 for uplink TCH	SCANCHAN.PWRUP DW_45	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_45	ACCUMULA TION	INT8	RXLev level 45 for uplink TCH	SCANCHAN.PWRUP DW_46	Sum	sectchbh, sectchfrb h, Sum

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UL_RXLev_1 evel_46	ACCUMULA TION	INT8	RXLev level 46 for uplink TCH	SCANCHAN.PWRUP DW_47	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_47	ACCUMULA TION	INT8	RXLev level 47 for uplink TCH	SCANCHAN.PWRUP DW_48	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_48	ACCUMULA TION	INT8	RXLev level 48 for uplink TCH	SCANCHAN.PWRUP DW_49	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_49	ACCUMULA TION	INT8	RXLev level 49 for uplink TCH	SCANCHAN.PWRUP DW_50	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_4	ACCUMULA TION	INT8	RXLev level 4 for uplink TCH	SCANCHAN.PWRUP DW_5	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_50	ACCUMULA TION	INT8	RXLev level 50 for uplink TCH	SCANCHAN.PWRUP DW_51	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_51	ACCUMULA TION	INT8	RXLev level 51 for uplink TCH	SCANCHAN.PWRUP DW_52	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_52	ACCUMULA TION	INT8	RXLev level 52 for uplink TCH	SCANCHAN.PWRUP DW_53	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_53	ACCUMULA TION	INT8	RXLev level 53 for uplink TCH	SCANCHAN.PWRUP DW_54	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_54	ACCUMULA TION	INT8	RXLev level 54 for uplink TCH	SCANCHAN.PWRUP DW_55	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_55	ACCUMULA TION	INT8	RXLev level 55 for uplink TCH	SCANCHAN.PWRUP DW_56	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_56	ACCUMULA TION	INT8	RXLev level 56 for uplink TCH	SCANCHAN.PWRUP DW_57	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_57	ACCUMULA TION	INT8	RXLev level 57 for uplink	SCANCHAN.PWRUP DW_58	Sum	sectchbh, sectchfrb

			TCH			h, Sum
UL_RXLev_1 evel_58	ACCUMULA TION	INT8	RXLev level 58 for uplink TCH	SCANCHAN.PWRUP DW_59	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_59	ACCUMULA TION	INT8	RXLev level 59 for uplink TCH	SCANCHAN.PWRUP DW_60	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_5	ACCUMULA TION	INT8	RXLev level 5 for uplink TCH	SCANCHAN.PWRUP DW_6	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_60	ACCUMULA TION	INT8	RXLev level 60 for uplink TCH	SCANCHAN.PWRUP DW_61	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_61	ACCUMULA TION	INT8	RXLev level 61 for uplink TCH	SCANCHAN.PWRUP DW_62	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_62	ACCUMULA TION	INT8	RXLev level 62 for uplink TCH	SCANCHAN.PWRUP DW_63	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_63	ACCUMULA TION	INT8	RXLev level 63 for uplink TCH	SCANCHAN.PWRUP DW_64	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_6	ACCUMULA TION	INT8	RXLev level 6 for uplink TCH	SCANCHAN.PWRUP DW_7	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_7	ACCUMULA TION	INT8	RXLev level 7 for uplink TCH	SCANCHAN.PWRUP DW_8	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_8	ACCUMULA TION	INT8	RXLev level 8 for uplink TCH	SCANCHAN.PWRUP DW_9	Sum	sectchbh, sectchfrb h, Sum
UL_RXLev_1 evel_9	ACCUMULA TION	INT8	RXLev level 9 for uplink TCH	SCANCHAN.PWRUP DW_10	Sum	sectchbh, sectchfrb h, Sum

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UL_RXQual_level_0	ACCUMULATION	INT8	RXQual level 0 for uplink TCH	SCANCHAN.PWRUP DW_65	Sum	sectchbh, sectchfrbh, Sum
UL_RXQual_level_1	ACCUMULATION	INT8	RXQual level 1 for uplink TCH	SCANCHAN.PWRUP DW_66	Sum	sectchbh, sectchfrbh, Sum
UL_RXQual_level_2	ACCUMULATION	INT8	RXQual level 2 for uplink TCH	SCANCHAN.PWRUP DW_67	Sum	sectchbh, sectchfrbh, Sum
UL_RXQual_level_3	ACCUMULATION	INT8	RXQual level 3 for uplink TCH	SCANCHAN.PWRUP DW_68	Sum	sectchbh, sectchfrbh, Sum
UL_RXQual_level_4	ACCUMULATION	INT8	RXQual level 4 for uplink TCH	SCANCHAN.PWRUP DW_69	Sum	sectchbh, sectchfrbh, Sum
UL_RXQual_level_5	ACCUMULATION	INT8	RXQual level 5 for uplink TCH	SCANCHAN.PWRUP DW_70	Sum	sectchbh, sectchfrbh, Sum
UL_RXQual_level_6	ACCUMULATION	INT8	RXQual level 6 for uplink TCH	SCANCHAN.PWRUP DW_71	Sum	sectchbh, sectchfrbh, Sum
UL_RXQual_level_7	ACCUMULATION	INT8	RXQual level 7 for uplink TCH	SCANCHAN.PWRUP DW_72	Sum	sectchbh, sectchfrbh, Sum

7.7 DPC Performance Indicators

This section shows the key performance indicators and other counters for the DPC object, divided into the following sub-sections:

- [DPC.Siemens.GSM.A_Interface_MTP](#)
- [DPC.Siemens.GSM.A_Interface_SCCP](#)
- [DPC.Siemens.GSM.A_Interface_SS7_Link](#)
- [DPC.Siemens.GSM.MSC_DPC](#)

7.7.1 DPC.Siemens.GSM.A_Interface_MTP

MTP measurements on the A interface

KPI	Type	Data Type	Description	Derivation	Default Aggrega	Other Aggrega
-----	------	-----------	-------------	------------	-----------------	---------------

					tor	tors
ADJ_SIGPOINT_MSC_UNAV	ACCUMULATION	INT8	Number of times adjacent signalling point unavailable	SCANDPC.NASPAVUN_1	Sum	Sum
DUR_ADJ_SIGPOINT_MSC_UNAV	ACCUMULATION	FLOAT	Duration adjacent signalling point unavailable	SCANDPC.DASPUNT_1	Sum	Sum
TOT_MTP_MSU_RECEIVED	ACCUMULATION	INT8	Total MTP MSUs received	SCANDPC.NMSUREC_1	Sum	Sum
TOT_MTP_MSU_SENT	ACCUMULATION	INT8	Total MTP MSUs sent	SCANDPC.NMSUTRAS_1	Sum	Sum
TOT_SS7_CHANGEOVERS	ACCUMULATION	INT8	Total SS7 link changeovers	SCANDPC.LOCAUTCH_1	Sum	Sum

7.7.2 DPC.Siemens.GSM.A_Interface_SCCP

SCCP measurements on the A interface

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
SCCP_MSG_RECEIVED	ACCUMULATION	INT8	Total SCCP msgs received	SCANDPC.TMSGREC_1	Sum	Sum
TOT_CONNECTIONLESS_RECEIVED	ACCUMULATION	INT8	Total connectionless msgs received	SCANDPC.TCMSGREC_1	Sum	Sum
TOT_CONNECTIONLESS_SENT	ACCUMULATION	INT8	Total connectionless	SCANDPC.TCMSGSND_1	Sum	Sum

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			s msgs sent			
TOT_SCCP_MSG_UNSENT_NOT_PROC	ACCUMULATION	INT 8	Total SCCP msgs unsent and not processed; Routing Failure, Subsystem Unavailable	SCANDPC.RFSUBUN_1	Sum	Sum
TOT_SCCP_MSG_UNSENT	ACCUMULATION	INT 8	Total SCCP msgs unsent; Routing Failure, DPC Unavailable	SCANDPC.RFDBCUN_1	Sum	Sum
TOT_SCCP_MSG	ACCUMULATION	INT 8	Total Number of SCCP Messages Handled	SCANDPC.TMSHHDL_1	Sum	Sum

7.7.3 DPC.Siemens.GSM.A_Interface_SS7_Link

Signalling Link A_Interface measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
LINKSET_DURATION_WITH_STATUS_UNAVAILABLE	ACCUMULATION	FLOAT	Duration of the Linkset Unavailable Condition. The SS7 linkset is unavailable if all SS7 links are unavailable.	SCANDPC.DLKUNC ON_1	Sum	Average, Maximum, Minimum, Sum

7.7.4 DPC.Siemens.GSM.MSC_DPC

Measurements related to MSC as DPC.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
-----	------	-----------	-------------	------------	--------------------	-------------------

					tor	tors
Attempts_with_configured_NRI	ACCUMULATION	INTEGER	Number of attempts with configured NRI	SCANDPC.MSCSRG_2	Sum	Sum
Attempts_with_out_or_with_NRI	ACCUMULATION	INTEGER	Number of attempts without NRI or with NRI not configured value	SCANDPC.MSCSRG_1	Sum	Sum
Max_MSC_overload_level	INTENSITY	INTEGER	Maximum MSC overload level per MSC in the pool	SCANDPC.MSCOV L_1	Average	Average, Maximum, Minimum, Sum
Rerouted_location_update_attempts	ACCUMULATION	INTEGER	Number of re-routed location update attempts	SCANDPC.MSCSRG_3	Sum	Sum
Rerouted_paging_responses	ACCUMULATION	INTEGER	Number of re-routed paging responses	SCANDPC.MSCSRG_4	Sum	Sum

7.8 Neighbour Performance Indicators

This section shows the key performance indicators and other counters for the Neighbour object, divided into the following sub-sections:

- [Neighbour.Siemens.GSM.Handovers_intra_BSC_Complete_complete](#)
- [Neighbour.Siemens.GSM.Handovers_intra_BSC_Complete_inner](#)
- [Neighbour.Siemens.GSM.Handovers_intra_BSC_Inner_complete](#)
- [Neighbour.Siemens.GSM.Handovers_intra_BSC_Inner_inner](#)
- [Neighbour.Siemens.GSM.Inter_BSC_Handover](#)
- [Neighbour.Siemens.GSM.Intersystem_HO](#)

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7.8.1 Neighbour.Siemens.GSM.Handovers_intra_BSC_Complete_complete

Intra-BSC Complete-Complete Handover Measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_BETTER_CELL	ACCUMULATION	INT 8	Attempted Incoming Internal Intercell Handovers per originating cell - better cell (power budget)	SCANBTSIHO.AININIRH_6	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_DIRECTED_RETRY	ACCUMULATION	INT 8	Attempted Incoming Internal Intercell Handovers per originating cell - directed retry	SCANBTSIHO.AININIRH_7	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_DISTANCE	ACCUMULATION	INT 8	Attempted Incoming Internal Intercell Handovers per originating cell - distance (between MS and serving cell)	SCANBTSIHO.AININIRH_5	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_DOWNLINK_QUALITY	ACCUMULATION	INT 8	Attempted Incoming Internal Intercell Handovers per originating	SCANBTSIHO.AININIRH_2	Sum	sectchbh, sectchfrbh, Sum

			cell - downlink quality			
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_DOWNLINK_STRENGTH	ACCUMULATION	INT 8	Attempted Incoming Internal Inter-cell Handovers per originating cell - downlink strength	SCANBTSIHO.AININIRH_4	Sum	sectchbh, sectchfrbh, Sum
Attempted Incoming Inter-Ho Due-To-Dtm	ACCUMULATION	INT 8	Attempted Incoming Internal Inter-cell Handovers per originating cell - DTM	SCANBTSIHO.AININIRH_12	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_FAST_UPLINK	ACCUMULATION	INT 8	Attempted Incoming Internal Inter-cell Handovers per originating cell Fast uplink	SCANBTSIHO.AININIRH_10	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_MAINTENANCE	ACCUMULATION	INT 8	Attempted Incoming Internal Inter-cell Handovers per originating cell O and M	SCANBTSIHO.AININIRH_8	Sum	sectchbh, sectchfrbh, Sum

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ATTEMPTED_INCOMING_INTER_HO_DUE_TO_PREEMPTION	ACCUMULATION	INT8	Attempted Incoming Internal Inter-cell Handovers per originating cell Preemption	SCANBTSIHO.AININIRH_11	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_TRAFFIC	ACCUMULATION	INT8	Attempted Incoming Internal Inter-cell Handovers per originating cell traffic	SCANBTSIHO.AININIRH_9	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_UPLINK_QUALITY	ACCUMULATION	INT8	Attempted Incoming Internal Inter-cell Handovers per originating cell - uplink quality	SCANBTSIHO.AININIRH_1	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_UPLINK_STRENGTH	ACCUMULATION	INT8	Attempted Incoming Internal Inter-cell Handovers per originating cell - uplink strength	SCANBTSIHO.AININIRH_3	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_BETTER_CELL	ACCUMULATION	INT8	Attempted Outgoing Inter-cell Handovers per neighbour-cell relationship - better cell	SCANBTSOHOI.AOUI NIRH_6	Sum	sectchbh, sectchfrbh, Sum

			(power budget)			
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_DIRECTED_RETRY	ACCUMULATION	INT 8	Attempted Outgoing Inter-cell Handovers per neighbour-cell relationship - directed retry	SCANBTSOHOI.AOUI_NIRH_7	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_DISTANCE	ACCUMULATION	INT 8	Attempted Outgoing Inter-cell Handovers per neighbour-cell relationship - distance (between MS and serving cell)	SCANBTSOHOI.AOUI_NIRH_5	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_DOWNLINK_QUALITY	ACCUMULATION	INT 8	Attempted Outgoing Inter-cell Handovers per neighbour-cell relationship - downlink quality	SCANBTSOHOI.AOUI_NIRH_2	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_DOWNLINK_STRENGTH	ACCUMULATION	INT 8	Attempted Outgoing Inter-cell Handovers per neighbour-cell relationship - downlink	SCANBTSOHOI.AOUI_NIRH_4	Sum	sectchbh, sectchfrbh, Sum

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			strength			
Attempted_Outgoing_Inter_Ho_Due_To_Dtm	ACCUMULATION	INT 8	Attempted outgoing Internal InterCell Handovers per originating cell - DTM	SCANBTSOHOI.AOUI NIRH_12	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_FAST_UPLINK	ACCUMULATION	INT 8	Attempted Outgoing InterCell Handovers per neighbourcell relationship Fast Uplink	SCANBTSOHOI.AOUI NIRH_10	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_MAINTENANCE	ACCUMULATION	INT 8	Attempted Outgoing InterCell Handovers per neighbourcell relationship O and M	SCANBTSOHOI.AOUI NIRH_8	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_PREEMPTION	ACCUMULATION	INT 8	Attempted Outgoing InterCell Handovers per neighbourcell relationship - Preemption	SCANBTSOHOI.AOUI NIRH_11	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_TRAFFIC	ACCUMULATION	INT 8	Attempted Outgoing InterCell Handovers per neighbourcell relationship Traffic	SCANBTSOHOI.AOUI NIRH_9	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_	ACCUMULATION	INT	Attempted	SCANBTSOHOI.AOUI	Sum	sectchbh,

OUTGOING_INTER_HO_DUE_TO_UPLINK_QUALITY	TION	8	Outgoing Intercell Handovers per neighbourcell relationship - uplink quality	NIRH_1		sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_UPLINK_STRENGTH	ACCUMULATION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship - uplink strength	SCANBTSOHOI.AOUI NIRH_3	Sum	sectchbh, sectchfrbh, Sum
FAILED_INTER_HO_WITH_RECONNECTION_OLD_CHANNEL_DUE_TO_BETTER_CELL	ACCUMULATION	INT 8	Unsuccessful Internal HOs, Intercell, with reconnection to old channel, per neighbourcell relationship - better cell (power budget)	SCANBTSOHOI.UNIN HOIE_6	Sum	sectchbh, sectchfrbh, Sum
FAILED_INTER_HO_WITH_RECONNECTION_OLD_CHANNEL_DUE_TO_DIRECTED_RETRY	ACCUMULATION	INT 8	Unsuccessful Internal HOs, Intercell, with reconnection to old channel, per neighbourcell relationship - directed retry	SCANBTSOHOI.UNIN HOIE_7	Sum	sectchbh, sectchfrbh, Sum

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FAILED_INTER_HO_WITH_RECONNECTION_OLD_CHANNEL_DUE_TO_DISTANCE	ACCUMULATION	INT 8	Unsuccessful Internal HOs, Inter-cell, with reconnection to old channel, per neighbour-cell relationship - distance (between MS and serving cell)	SCANBTSOHOI.UNINH_OIE_5	Sum	sectchbh, sectchfrbh, Sum
FAILED_INTER_HO_WITH_RECONNECTION_OLD_CHANNEL_DUE_TO_DOWNLINK_QUALITY	ACCUMULATION	INT 8	Unsuccessful Internal HOs, Inter-cell, with reconnection to old channel, per neighbour-cell relationship - downlink quality	SCANBTSOHOI.UNINH_OIE_2	Sum	sectchbh, sectchfrbh, Sum
FAILED_INTER_HO_WITH_RECONNECTION_OLD_CHANNEL_DUE_TO_DOWNLINK_STRENGTH	ACCUMULATION	INT 8	Unsuccessful Internal HOs, Inter-cell, with reconnection to old channel, per neighbour-cell relationship - downlink strength	SCANBTSOHOI.UNINH_OIE_4	Sum	sectchbh, sectchfrbh, Sum
FAILED_INTER_HO_WITH_RECONNECTION_OLD_CHANNEL_DUE_TO_FAST_UPLINK	ACCUMULATION	INT 8	Unsuccessful Internal HOs, Inter-cell, with reconnection to old channel, per neighbour-cell relationship	SCANBTSOHOI.UNINH_OIE_10	Sum	sectchbh, sectchfrbh, Sum

			Fast Link			
FAILED_INTER_HO_WITH_RECONNECTION_OLD_CHANNEL_DUE_TO_MAINTENANCE	ACCUMULATION	INT 8	Unsuccessful Internal HOs, Inter-cell, with reconnection to old channel, per neighbour-cell relationship O and M	SCANBT_SOH_OI.UNI_N_HOIE_8	Sum	sectchbh, sectchfrbh, Sum
FAILED_INTER_HO_WITH_RECONNECTION_OLD_CHANNEL_DUE_TO_PREEMPTION	ACCUMULATION	INT 8	Unsuccessful Internal HOs, Inter-cell, with reconnection to old channel, per neighbour-cell relationship - Preemption	SCANBT_SOH_OI.UNI_N_HOIE_11	Sum	sectchbh, sectchfrbh, Sum
FAILED_INTER_HO_WITH_RECONNECTION_OLD_CHANNEL_DUE_TO_TRAFFIC	ACCUMULATION	INT 8	Unsuccessful Internal HOs, Inter-cell, with reconnection to old channel, per neighbour-cell relationship Traffic	SCANBT_SOH_OI.UNI_N_HOIE_9	Sum	sectchbh, sectchfrbh, Sum
FAILED_INTER_HO_WITH_RECONNECTION_OLD_CHANNEL_DUE_TO_UPLINK_QUALITY	ACCUMULATION	INT 8	Unsuccessful Internal HOs, Inter-cell, with reconnection to old channel, per neighbour-cell	SCANBT_SOH_OI.UNI_N_HOIE_1	Sum	sectchbh, sectchfrbh, Sum

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			l relationship - uplink quality			
FAILED_INTER_HO_WITH_RECONNECTION_OLD_CHANNEL_TO_UPLINK_STRENGTH	ACCUMULATION	INT 8	Unsuccessful Internal HOs, Inter-cell, with reconnection to old channel, per neighbour cell relationship - uplink strength	SCANBTSOHOI.UNINHOIE_3	Sum	sectchbh, sectchfrbh, Sum
Succ_Incoming_Inter_Ho_Due_To_Dtm	ACCUMULATION	INT 8	Successful Incoming Internal Inter-cell Handovers per originating cell - DTM	SCANBTSIHO.SININIRH_12	Sum	sectchbh, sectchfrbh, Sum
Succ_Outgoing_Inter_Ho_Due_To_Dtm	ACCUMULATION	INT 8	Successful outgoing Internal Inter-cell Handovers per originating cell - DTM	SCANBTSOHOI.SOUI_NIRH_12	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_BETTER_CELL	ACCUMULATION	INT 8	Successful Incoming Internal Inter-cell Handovers per originating cell Better cell (power budget)	SCANBTSIHO.SININIRH_6	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_	ACCUMULATION	INT 8	Successful Incoming Internal	SCANBTSIHO.SININIRH_7	Sum	sectchbh, sectchfrbh, Sum

TO_DIRECTED_RETRY			Inter-cell Handovers per originating cell Directed retry			
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_DISTANCE	ACCUMULATION	INT 8	Successful Incoming Internal Inter-cell Handovers per originating cell Distance (between MS and serving cell)	SCANBTSIHO.SININI RH_5	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_DOWNLINK_QUALITY	ACCUMULATION	INT 8	Successful Incoming Internal Inter-cell Handovers per originating cell Downlink Quality	SCANBTSIHO.SININI RH_2	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_DOWNLINK_STRENGTH	ACCUMULATION	INT 8	Successful Incoming Internal Inter-cell Handovers per originating cell Downlink strength	SCANBTSIHO.SININI RH_4	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_IN	ACCUMULATION	INT 8	Successful Incoming	SCANBTSIHO.SININI RH_10	Sum	sectchbh, sectchfrbh

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TER_HO_DUE_TO_FAST_UPLINK			Internal Inter-cell Handovers per originating cell - Fast uplink			h, Sum
SUCCESSFUL_INCOMING_IN TER_HO_DUE_TO_MAINTENANCE	ACCUMULATION	INT 8	Successful Incoming Internal Inter-cell Handovers per originating cell O and M	SCANBTSIHO.SININI RH_8	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_IN TER_HO_DUE_TO_PREEMPTION	ACCUMULATION	INT 8	Successful Incoming Internal Inter-cell Handovers per originating cell - Preemption	SCANBTSIHO.SININI RH_11	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_IN TER_HO_DUE_TO_TRAFFIC	ACCUMULATION	INT 8	Successful Incoming Internal Inter-cell Handovers per originating cell Traffic	SCANBTSIHO.SININI RH_9	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_IN TER_HO_DUE_TO_UPLINK_QUALITY	ACCUMULATION	INT 8	Successful Incoming Internal Inter-cell Handovers per originating cell Uplink Quality	SCANBTSIHO.SININI RH_1	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_IN	ACCUMULATION	INT 8	Successful Incoming	SCANBTSIHO.SININI RH_3	Sum	sectchbh, sectchfrbh

TER_HO_DUE_TO_UPLINK_STRENGTH			Internal Inter-cell Handovers per originating cell Uplink strength			h, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_BETTER_CELL	ACCUMULATION	INT 8	Successful Outgoing Inter-cell Handovers per neighbour cell relationship - better cell (power budget)	SCANBTSOHOI.SOUINIRH_6	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_DIRECTED_RETRY	ACCUMULATION	INT 8	Successful Outgoing Inter-cell Handovers per neighbour cell relationship - directed retry	SCANBTSOHOI.SOUINIRH_7	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_DISTANCE	ACCUMULATION	INT 8	Successful Outgoing Inter-cell Handovers per neighbour cell relationship - distance (between MS and serving cell)	SCANBTSOHOI.SOUINIRH_5	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_IN	ACCUMULATION	INT 8	Successful Outgoing	SCANBTSOHOI.SOUINIRH_2	Sum	sectchbh, sectchfrbh

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TER_HO_DUE_TO_DOWNLINK_QUALITY			Inter-cell Handovers per neighbour-cell relationship - downlink quality			h, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_DOWNLINK_STRENGTH	ACCUMULATION	INT 8	Successful Outgoing Inter-cell Handovers per neighbour-cell relationship - downlink strength	SCANBTSOHOI.SOUINIRH_4	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_FAST_UPLINK	ACCUMULATION	INT 8	Successful Outgoing Inter-cell Handovers per neighbour-cell relationship Fast Uplink	SCANBTSOHOI.SOUINIRH_10	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_MAINTENANCE	ACCUMULATION	INT 8	Successful Outgoing Inter-cell Handovers per neighbour-cell relationship O and M	SCANBTSOHOI.SOUINIRH_8	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_PREEMPTION	ACCUMULATION	INT 8	Successful Outgoing Inter-cell Handovers per neighbour-cell relationship - Preemption	SCANBTSOHOI.SOUINIRH_11	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_	ACCUMULATION	INT 8	Successful Outgoing Inter-cell	SCANBTSOHOI.SOUINIRH_9	Sum	sectchbh, sectchfrbh, Sum

TO_TRAFFIC			Handovers per neighbourcell relationship Traffic			
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_UPLINK_QUALITY	ACCUMULATION	INT 8	Successful Outgoing Intercell Handovers per neighbourcell relationship - uplink quality	SCANBTSOHOI.SOUINIRH_1	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_UPLINK_STRENGTH	ACCUMULATION	INT 8	Successful Outgoing Intercell Handovers per neighbourcell relationship - uplink strength	SCANBTSOHOI.SOUINIRH_3	Sum	sectchbh, sectchfrbh, Sum
UnSucc_Outgoing_Inter_Ho_Due_To_Dtm	ACCUMULATION	INT 8	Unsuccessful outgoing Internal Intercell Handovers per originating cell - DTM	SCANBTSOHOI.UNINHOIE_12	Sum	sectchbh, sectchfrbh, Sum

7.8.2 Neighbour.Siemens.GSM.Handovers_intra_BSC_Complete_inner

Intra-BSC Complete to Inner Handover Measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
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ATTEMPTED_INCOMING_INTER_HO_DUE_TO_BETTER_CELL	ACCUMULATION	INT 8	Attempted Incoming Internal Inter-cell Handovers per originating cell - better cell (power budget)	SCANBTSIHO.AININIRH_18	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_DIRECTED_RETRY	ACCUMULATION	INT 8	Attempted Incoming Internal Inter-cell Handovers per originating cell - directed retry	SCANBTSIHO.AININIRH_19	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_DISTANCE	ACCUMULATION	INT 8	Attempted Incoming Internal Inter-cell Handovers per originating cell - distance (between MS and serving cell)	SCANBTSIHO.AININIRH_17	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_DOWNLINK_QUALITY	ACCUMULATION	INT 8	Attempted Incoming Internal Inter-cell Handovers per originating cell - downlink quality	SCANBTSIHO.AININIRH_14	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_DOWNLINK_QUALITY	ACCUMULATION	INT 8	Attempted Incoming Internal	SCANBTSIHO.AININIRH_16	Sum	sectchbh, sectchfrbh, Sum

E_TO_DOWN LINK_STRENGTH			Intercell Handovers per originating cell - downlink strength			
ATTEMPTED_ INCOMING_ INTER_HO_ DU E_TO_DTM	ACCUMULATION	INT 8	Attempted Incoming Internal Intercell Handovers per originating cell - DTM	SCANBTSIHO.AININI RH_24	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_ INCOMING_ INTER_HO_ DU E_TO_FAST_ UPLINK	ACCUMULATION	INT 8	Attempted Incoming Internal Intercell Handovers per originating cell Fast uplink	SCANBTSIHO.AININI RH_22	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_ INCOMING_ INTER_HO_ DU E_TO_MAINT ENANCE	ACCUMULATION	INT 8	Attempted Incoming Internal Intercell Handovers per originating cell O and M	SCANBTSIHO.AININI RH_20	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_ INCOMING_ INTER_HO_ DU E_TO_PREEM PTION	ACCUMULATION	INT 8	Attempted Incoming Internal Intercell Handovers per originating	SCANBTSIHO.AININI RH_23	Sum	sectchbh, sectchfrbh, Sum

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			cell Preemption			
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_TRAFFIC	ACCUMULATION	INT 8	Attempted Incoming Intercell Handovers per originating cell traffic	SCANBTSIHO.AININIRH_21	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_UPLINK_QUALITY	ACCUMULATION	INT 8	Attempted Incoming Intercell Handovers per originating cell - uplink quality	SCANBTSIHO.AININIRH_13	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_UPLINK_STRENGTH	ACCUMULATION	INT 8	Attempted Incoming Intercell Handovers per originating cell - uplink strength	SCANBTSIHO.AININIRH_15	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_BETTER_CELL	ACCUMULATION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship - better cell (power budget)	SCANBTSOHOI.AOUI NIRH_18	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_DIRECTED_RETRY	ACCUMULATION	INT 8	Attempted Outgoing Intercell Handovers per	SCANBTSOHOI.AOUI NIRH_19	Sum	sectchbh, sectchfrbh, Sum

			neighbourcell relationship - directed retry			
ATTEMPTED_ OUTGOING_I NTER_HO_DU E_TO_DISTA NCE	ACCUMULA TION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship - distance (between MS and serving cell)	SCANBTSOHOLAOUI NIRH_17	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_ OUTGOING_I NTER_HO_DU E_TO_DOWN LINK_QUALI TY	ACCUMULA TION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship - downlink quality	SCANBTSOHOLAOUI NIRH_14	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_ OUTGOING_I NTER_HO_DU E_TO_DOWN LINK_STREN GTH	ACCUMULA TION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship - downlink strength	SCANBTSOHOLAOUI NIRH_16	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_ OUTGOING_I NTER_HO_DU E_TO_DTM	ACCUMULA TION	INT 8	Attempted outgoing Internal Intercell Handovers per originating	SCANBTSOHOLAOUI NIRH_24	Sum	sectchbh, sectchfrb h, Sum

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			cell - DTM			
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_FAST_UPLINK	ACCUMULATION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship Fast Uplink	SCANBTSOHOI.AOUI NIRH_22	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_MAINTENANCE	ACCUMULATION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship O and M	SCANBTSOHOI.AOUI NIRH_20	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_PREEMPTION	ACCUMULATION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship - Preemption	SCANBTSOHOI.AOUI NIRH_23	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_TRAFFIC	ACCUMULATION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship Traffic	SCANBTSOHOI.AOUI NIRH_21	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_UPLINK_QUALITY	ACCUMULATION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship - uplink quality	SCANBTSOHOI.AOUI NIRH_13	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_	ACCUMULATION	INT	Attempted	SCANBTSOHOI.AOUI	Sum	sectchbh,

OUTGOING_INTER_HO_DUE_TO_UPLINK_STRENGTH	TION	8	Outgoing Intercell Handovers per neighbourcell relationship - uplink strength	NIRH_15		sectchfrbh, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_BETTER_CELL	ACCUMULATION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell Better cell (power budget)	SCANBTSIHO.SININIRH_18	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_DIRECTED_RETRY	ACCUMULATION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell Directed retry	SCANBTSIHO.SININIRH_19	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_DISTANCE	ACCUMULATION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell Distance (between MS and serving cell)	SCANBTSIHO.SININIRH_17	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL	ACCUMULATION	INT	Successful	SCANBTSIHO.SININI	Sum	sectchbh,

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_INCOMING_INTER_HO_DUE_TO_DOWNLINK_QUALITY	TION	8	Incoming Internal Intercell Handovers per originating cell Downlink Quality	RH_13		sectchfrbh, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_DOWNLINK_STRENGTH	ACCUMULATION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell Downlink strength	SCANBTSIHO.SININI RH_16	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_DTM	ACCUMULATION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell - DTM	SCANBTSIHO.SININI RH_24	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_FAST_UPLINK	ACCUMULATION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell - Fast uplink	SCANBTSIHO.SININI RH_22	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_MAINTENANCE	ACCUMULATION	INT 8	Successful Incoming Internal Intercell Handovers per originating	SCANBTSIHO.SININI RH_20	Sum	sectchbh, sectchfrbh, Sum

			cell O and M			
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_PREEMPTION	ACCUMULATION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell - Preemption	SCANBTSIHO.SININIRH_23	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_TRAFFIC	ACCUMULATION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell Traffic	SCANBTSIHO.SININIRH_21	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_UPLINK_QUALITY	ACCUMULATION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell uplink Quality	SCANBTSIHO.SININIRH_14	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_UPLINK_STRENGTH	ACCUMULATION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell Uplink strength	SCANBTSIHO.SININIRH_15	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_	ACCUMULATION	INT 8	Successful Outgoing	SCANBTSOHOI.SOUINIRH_18	Sum	sectchbh, sectchfrbh

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INTER_HO_DUE_TO_BETTER_CELL			Intercell Handovers per neighbourcell relationship - better cell (power budget)			h, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_DIRECTED_RETRY	ACCUMULATION	INT 8	Successful Outgoing Intercell Handovers per neighbourcell relationship - directed retry	SCANBTSOHOI.SOUINIRH_19	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_DISTANCE	ACCUMULATION	INT 8	Successful Outgoing Intercell Handovers per neighbourcell relationship - distance (between MS and serving cell)	SCANBTSOHOI.SOUINIRH_17	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_DOWNLINK_QUALITY	ACCUMULATION	INT 8	Successful Outgoing Intercell Handovers per neighbourcell relationship - downlink quality	SCANBTSOHOI.SOUINIRH_14	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_DOWNLINK_STRENGTH	ACCUMULATION	INT 8	Successful Outgoing Intercell Handovers per neighbourcell relationship -	SCANBTSOHOI.SOUINIRH_16	Sum	sectchbh, sectchfrbh, Sum

			downlink strength			
SUCCESSFUL _OUTGOING_ INTER_HO_D UE_TO_DTM	ACCUMULA TION	INT 8	Successful outgoing Internal Inter-cell Handovers per originating cell - DTM	SCANBTSOHOI.SOU NIRH_24	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL _OUTGOING_ INTER_HO_D UE_TO_FAST _UPLINK	ACCUMULA TION	INT 8	Successful Outgoing Inter-cell Handovers per neighbourcell relationship Fast Uplink	SCANBTSOHOI.SOU NIRH_22	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL _OUTGOING_ INTER_HO_D UE_TO_MAIN TENANCE	ACCUMULA TION	INT 8	Successful Outgoing Inter-cell Handovers per neighbourcell relationship O and M	SCANBTSOHOI.SOU NIRH_20	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL _OUTGOING_ INTER_HO_D UE_TO_PREE MPTION	ACCUMULA TION	INT 8	Successful Outgoing Inter-cell Handovers per neighbourcell relationship - Preemption	SCANBTSOHOI.SOU NIRH_23	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL _OUTGOING_ INTER_HO_D UE_TO_TRAF	ACCUMULA TION	INT 8	Successful Outgoing Inter-cell Handovers	SCANBTSOHOI.SOU NIRH_21	Sum	sectchbh, sectchfrb h, Sum

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FIC			per neighbourcell relationship Traffic			
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_UPLINK_QUALITY	ACCUMULATION	INT 8	Successful Outgoing Intercell Handovers per neighbourcell relationship - uplink quality	SCANBTSOHOI.SOUINIRH_13	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_UPLINK_STRENGTH	ACCUMULATION	INT 8	Successful Outgoing Intercell Handovers per neighbourcell relationship - uplink strength	SCANBTSOHOI.SOUINIRH_15	Sum	sectchbh, sectchfrbh, Sum

7.8.3 Neighbour.Siemens.GSM.Handovers_intra_BSC_Inner_complete

Intra-BSC Inner to Complete Handover Measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_BETTER_CELL	ACCUMULATION	INT 8	Attempted Incoming Internal Intercell Handovers per originating cell - better cell (power budget)	SCANBTSIHO.AININIRH_30	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_DIRECT	ACCUMULATION	INT 8	Attempted Incoming Internal Intercell	SCANBTSIHO.AININIRH_31	Sum	sectchbh, sectchfrbh, Sum

ED_RETRY			Handovers per originating cell - directed retry			
ATTEMPTED_ INCOMING_I NTER_HO_DU E_TO_DISTA NCE	ACCUMULA TION	INT 8	Attempted Incoming Internal Intercell Handovers per originating cell - distance (between MS and serving cell)	SCANBTSIHO.AININI RH_29	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_ INCOMING_I NTER_HO_DU E_TO_DOWN LINK_QUALI TY	ACCUMULA TION	INT 8	Attempted Incoming Internal Intercell Handovers per originating cell - downlink quality	SCANBTSIHO.AININI RH_26	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_ INCOMING_I NTER_HO_DU E_TO_DOWN LINK_STREN GTH	ACCUMULA TION	INT 8	Attempted Incoming Internal Intercell Handovers per originating cell - downlink strength	SCANBTSIHO.AININI RH_28	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_ INCOMING_I NTER_HO_DU	ACCUMULA TION	INT 8	Attempted Incoming Internal	SCANBTSIHO.AININI RH_36	Sum	sectchbh, sectchfrb h, Sum

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E_TO_DTM			Inter-cell Handovers per originating cell - DTM			
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_FAST_UPLINK	ACCUMULATION	INT 8	Attempted Incoming Internal Inter-cell Handovers per originating cell Fast uplink	SCANBTSIHO.AININIRH_34	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_MAINTENANCE	ACCUMULATION	INT 8	Attempted Incoming Internal Inter-cell Handovers per originating cell O and M	SCANBTSIHO.AININIRH_32	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_PREEMPTION	ACCUMULATION	INT 8	Attempted Incoming Internal Inter-cell Handovers per originating cell Preemption	SCANBTSIHO.AININIRH_35	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_TRAFFIC	ACCUMULATION	INT 8	Attempted Incoming Internal Inter-cell Handovers per originating cell traffic	SCANBTSIHO.AININIRH_33	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_UPLINK	ACCUMULATION	INT 8	Attempted Incoming Internal Inter-cell	SCANBTSIHO.AININIRH_25	Sum	sectchbh, sectchfrbh, Sum

K_QUALITY			Handovers per originating cell - uplink quality			
ATTEMPTED_ INCOMING_I NTER_HO_DU E_TO_UPLIN K_STRENGTH	ACCUMULA TION	INT 8	Attempted Incoming Intercell Handovers per originating cell - uplink strength	SCANBTSIHO.AININI RH_27	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_ OUTGOING_I NTER_HO_DU E_TO_BETTE R_CELL	ACCUMULA TION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship - better cell (power budget)	SCANBTSOHOI.AOUI NIRH_30	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_ OUTGOING_I NTER_HO_DU E_TO_DIRECT ED_RETRY	ACCUMULA TION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship - directed retry	SCANBTSOHOI.AOUI NIRH_31	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_ OUTGOING_I NTER_HO_DU E_TO_DISTA NCE	ACCUMULA TION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship -	SCANBTSOHOI.AOUI NIRH_29	Sum	sectchbh, sectchfrb h, Sum

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			distance (between MS and serving cell)			
ATTEMPTED_ OUTGOING_I NTER_HO_DU E_TO_DOWN LINK_QUALI TY	ACCUMULA TION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship - downlink quality	SCANBTSOHOI.AOUI NIRH_26	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_ OUTGOING_I NTER_HO_DU E_TO_DOWN LINK_STREN GTH	ACCUMULA TION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship - downlink strength	SCANBTSOHOI.AOUI NIRH_28	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_ OUTGOING_I NTER_HO_DU E_TO_DTM	ACCUMULA TION	INT 8	Attempted outgoing Internal Intercell Handovers per originating cell - DTM	SCANBTSOHOI.AOUI NIRH_36	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_ OUTGOING_I NTER_HO_DU E_TO_FAST_ UPLINK	ACCUMULA TION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship Fast Uplink	SCANBTSOHOI.AOUI NIRH_34	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_ OUTGOING_I NTER_HO_DU E_TO_MAINT ENANCE	ACCUMULA TION	INT 8	Attempted Outgoing Intercell Handovers per	SCANBTSOHOI.AOUI NIRH_32	Sum	sectchbh, sectchfrb h, Sum

			neighbourcell relationship O and M			
ATTEMPTED_ OUTGOING_I NTER_HO_DU E_TO_PREEM PTION	ACCUMULA TION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship - Preemption	SCANBTSOHOI.AOUI NIRH_35	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_ OUTGOING_I NTER_HO_DU E_TO_TRAFFI C	ACCUMULA TION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship Traffic	SCANBTSOHOI.AOUI NIRH_33	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_ OUTGOING_I NTER_HO_DU E_TO_UPLIN K_QUALITY	ACCUMULA TION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship - uplink quality	SCANBTSOHOI.AOUI NIRH_25	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_ OUTGOING_I NTER_HO_DU E_TO_UPLIN K_STRENGTH	ACCUMULA TION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship - uplink strength	SCANBTSOHOI.AOUI NIRH_27	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL _INCOMING_I	ACCUMULA TION	INT 8	Successful Incoming	SCANBTSIHO.SININI RH_30	Sum	sectchbh, sectchfrb

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NTER_HO_DUE_TO_BETTER_CELL			Internal Inter-cell Handovers per originating cell Better cell (power budget)			h, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_DIRECTED_RETRY	ACCUMULATION	INT 8	Successful Incoming Inter-cell Handovers per originating cell Directed retry	SCANBTSIHO.SINIRH_31	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_DISTANCE	ACCUMULATION	INT 8	Successful Incoming Inter-cell Handovers per originating cell Distance (between MS and serving cell)	SCANBTSIHO.SINIRH_29	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_DOWNLINK_QUALITY	ACCUMULATION	INT 8	Successful Incoming Inter-cell Handovers per originating cell Downlink Quality	SCANBTSIHO.SINIRH_26	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_DOWNLINK_STRENGTH	ACCUMULATION	INT 8	Successful Incoming Inter-cell Handovers	SCANBTSIHO.SINIRH_28	Sum	sectchbh, sectchfrbh, Sum

GTH			per originating cell Downlink strength			
SUCCESSFUL _INCOMING_I NTER_HO_DU E_TO_DTM	ACCUMULA TION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell - DTM	SCANBTSIHO.SININI RH_36	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL _INCOMING_I NTER_HO_DU E_TO_FAST_ UPLINK	ACCUMULA TION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell - Fast uplink	SCANBTSIHO.SININI RH_34	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL _INCOMING_I NTER_HO_DU E_TO_MAINT ENANCE	ACCUMULA TION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell O and M	SCANBTSIHO.SININI RH_32	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL _INCOMING_I NTER_HO_DU E_TO_PREEM PTION	ACCUMULA TION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell - Preemption	SCANBTSIHO.SININI RH_35	Sum	sectchbh, sectchfrb h, Sum

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SUCCESSFUL _INCOMING_ _INTER_HO_DUE_TO_TRAFFIC	ACCUMULATION	INT 8	Successful Incoming Internal Inter-cell Handovers per originating cell Traffic	SCANBTSIHO.SININI RH_33	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL _INCOMING_ _INTER_HO_DUE_TO_UPLINK_QUALITY	ACCUMULATION	INT 8	Successful Incoming Internal Inter-cell Handovers per originating cell uplink Quality	SCANBTSIHO.SININI RH_25	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL _INCOMING_ _INTER_HO_DUE_TO_UPLINK_STRENGTH	ACCUMULATION	INT 8	Successful Incoming Internal Inter-cell Handovers per originating cell Uplink strength	SCANBTSIHO.SININI RH_27	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL _OUTGOING_ _INTER_HO_DUE_TO_BETTER_CELL	ACCUMULATION	INT 8	Successful Outgoing Inter-cell Handovers per neighbourcell relationship - better cell (power budget)	SCANBTSOHOI.SOUI NIRH_30	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL _OUTGOING_ _INTER_HO_DUE_TO_DIRECTED_RETRY	ACCUMULATION	INT 8	Successful Outgoing Inter-cell Handovers per neighbourcell relationship -	SCANBTSOHOI.SOUI NIRH_31	Sum	sectchbh, sectchfrbh, Sum

			directed retry			
SUCCESSFUL _OUTGOING_ INTER_HO_D UE_TO_DIST ANCE	ACCUMULA TION	INT 8	Successful Outgoing Intercell Handovers per neighbourcell relationship - distance (between MS and serving cell)	SCANBTSOHOI.SOUI NIRH_29	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL _OUTGOING_ INTER_HO_D UE_TO_DOW NLINK_QUAL ITY	ACCUMULA TION	INT 8	Successful Outgoing Intercell Handovers per neighbourcell relationship - downlink quality	SCANBTSOHOI.SOUI NIRH_26	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL _OUTGOING_ INTER_HO_D UE_TO_DOW NLINK_STRE NGTH	ACCUMULA TION	INT 8	Successful Outgoing Intercell Handovers per neighbourcell relationship - downlink strength	SCANBTSOHOI.SOUI NIRH_28	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL _OUTGOING_ INTER_HO_D UE_TO_DTM	ACCUMULA TION	INT 8	Successful outgoing Internal Intercell Handovers per originating cell - DTM	SCANBTSOHOI.SOUI NIRH_36	Sum	sectchbh, sectchfrb h, Sum

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SUCCESSFUL _OUTGOING_ INTER_HO_D UE_TO_FAST _UPLINK	ACCUMULA TION	INT 8	Successful Outgoing Inter-cell Handovers per neighbour-cell relationship Fast Uplink	SCANBT-SOHOI.SOU NIRH_34	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL _OUTGOING_ INTER_HO_D UE_TO_MAIN TENANCE	ACCUMULA TION	INT 8	Successful Outgoing Inter-cell Handovers per neighbour-cell relationship O and M	SCANBT-SOHOI.SOU NIRH_32	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL _OUTGOING_ INTER_HO_D UE_TO_PREE MPTION	ACCUMULA TION	INT 8	Successful Outgoing Inter-cell Handovers per neighbour-cell relationship - Preemption	SCANBT-SOHOI.SOU NIRH_35	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL _OUTGOING_ INTER_HO_D UE_TO_TRAF FIC	ACCUMULA TION	INT 8	Successful Outgoing Inter-cell Handovers per neighbour-cell relationship Traffic	SCANBT-SOHOI.SOU NIRH_33	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL _OUTGOING_ INTER_HO_D UE_TO_UPLI NK_QUALITY	ACCUMULA TION	INT 8	Successful Outgoing Inter-cell Handovers per neighbour-cell relationship - uplink quality	SCANBT-SOHOI.SOU NIRH_25	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL _OUTGOING_ INTER_HO_D	ACCUMULA TION	INT 8	Successful Outgoing Inter-cell	SCANBT-SOHOI.SOU NIRH_27	Sum	sectchbh, sectchfrb h, Sum

UE_TO_UPLINK_STRENGTH			Handovers per neighbourcell relationship - uplink strength			
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7.8.4 Neighbour.Siemens.GSM.Handovers_intra_BSC_Inner_inner

Intra-BSC Inner to Inner Handover Measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_BETTER_CELL	ACCUMULATION	INT 8	Attempted Incoming Internal Intercell Handovers per originating cell - better cell (power budget)	SCANBTSIHO.AININIRH_42	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_DIRECTED_RETRY	ACCUMULATION	INT 8	Attempted Incoming Internal Intercell Handovers per originating cell - directed retry	SCANBTSIHO.AININIRH_43	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DISTANCE	ACCUMULATION	INT 8	Attempted Incoming Internal Intercell Handovers per	SCANBTSIHO.AININIRH_41	Sum	sectchbh, sectchfrbh, Sum

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			originating cell - distance (between MS and serving cell)			
ATTEMPTED_ INCOMING_I NTER_HO_DU E_TO_DOWN LINK_QUALI TY	ACCUMULA TION	INT 8	Attempted Incoming Internal Intercell Handovers per originating cell - downlink quality	SCANBTSIHO.AININI RH_38	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_ INCOMING_I NTER_HO_DU E_TO_DOWN LINK_STREN GTH	ACCUMULA TION	INT 8	Attempted Incoming Internal Intercell Handovers per originating cell - downlink strength	SCANBTSIHO.AININI RH_40	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_ INCOMING_I NTER_HO_DU E_TO_DTM	ACCUMULA TION	INT 8	Attempted Incoming Internal Intercell Handovers per originating cell - DTM	SCANBTSIHO.AININI RH_48	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_ INCOMING_I NTER_HO_DU E_TO_FAST_ UPLINK	ACCUMULA TION	INT 8	Attempted Incoming Internal Intercell Handovers per originating cell Fast uplink	SCANBTSIHO.AININI RH_46	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_	ACCUMULA	INT	Attempted	SCANBTSIHO.AININI	Sum	sectchbh,

INCOMING_INTER_HO_DUE_TO_MAINTENANCE	TION	8	Incoming Internal Intercell Handovers per originating cell O and M	RH_44		sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_PREEMPTION	ACCUMULATION	INT 8	Attempted Incoming Internal Intercell Handovers per originating cell Preemption	SCANBTSIHO.AININI RH_47	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_TRAFFIC	ACCUMULATION	INT 8	Attempted Incoming Internal Intercell Handovers per originating cell traffic	SCANBTSIHO.AININI RH_45	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_UPLINK_QUALITY	ACCUMULATION	INT 8	Attempted Incoming Internal Intercell Handovers per originating cell - uplink quality	SCANBTSIHO.AININI RH_37	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_INCOMING_INTER_HO_DUE_TO_UPLINK_STRENGTH	ACCUMULATION	INT 8	Attempted Incoming Internal Intercell Handovers per	SCANBTSIHO.AININI RH_39	Sum	sectchbh, sectchfrbh, Sum

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			originating cell - uplink strength			
ATTEMPTED_ OUTGOING_I NTER_HO_DU E_TO_BETTE R_CELL	ACCUMULA TION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship - better cell (power budget)	SCANBTSOHOI.AOUI NIRH_42	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_ OUTGOING_I NTER_HO_DU E_TO_DIRECT ED_RETRY	ACCUMULA TION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship - directed retry	SCANBTSOHOI.AOUI NIRH_43	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_ OUTGOING_I NTER_HO_DU E_TO_DISTA NCE	ACCUMULA TION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship - distance (between MS and serving cell)	SCANBTSOHOI.AOUI NIRH_41	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_ OUTGOING_I NTER_HO_DU E_TO_DOWN LINK_QUALI TY	ACCUMULA TION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship - downlink quality	SCANBTSOHOI.AOUI NIRH_38	Sum	sectchbh, sectchfrb h, Sum
ATTEMPTED_ OUTGOING_I	ACCUMULA TION	INT 8	Attempted Outgoing	SCANBTSOHOI.AOUI NIRH_40	Sum	sectchbh, sectchfrb

INTER_HO_DUE_TO_DOWNLINK_STRENGTH			Intercell Handovers per neighbourcell relationship - downlink strength			h, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_DTM	ACCUMULATION	INT 8	Attempted outgoing Internal Intercell Handovers per originating cell - DTM	SCANBTSOHOI.AOUI NIRH_48	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_FAST_UPLINK	ACCUMULATION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship Fast Uplink	SCANBTSOHOI.AOUI NIRH_46	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_MAINTENANCE	ACCUMULATION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship O and M	SCANBTSOHOI.AOUI NIRH_44	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_PREEMPTION	ACCUMULATION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship - Preemption	SCANBTSOHOI.AOUI NIRH_47	Sum	sectchbh, sectchfrbh, Sum

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ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_TRAFFIC	ACCUMULATION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship Traffic	SCANBTSOHOI.AOUI NIRH_45	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_UPLINK_QUALITY	ACCUMULATION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship - uplink quality	SCANBTSOHOI.AOUI NIRH_37	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_UPLINK_STRENGTH	ACCUMULATION	INT 8	Attempted Outgoing Intercell Handovers per neighbourcell relationship - uplink strength	SCANBTSOHOI.AOUI NIRH_39	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_BETTER_CELL	ACCUMULATION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell Better cell (power budget)	SCANBTSIHO.SININI RH_42	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_DIRECTED_RETRY	ACCUMULATION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell Directed	SCANBTSIHO.SININI RH_43	Sum	sectchbh, sectchfrbh, Sum

			retry			
SUCCESSFUL _INCOMING_I NTER_HO_DU E_TO_DISTA NCE	ACCUMULA TION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell Distance (between MS and serving cell)	SCANBTSIHO.SININI RH_41	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL _INCOMING_I NTER_HO_DU E_TO_DOWN LINK_QUALI TY	ACCUMULA TION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell Downlink Quality	SCANBTSIHO.SININI RH_38	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL _INCOMING_I NTER_HO_DU E_TO_DOWN LINK_STREN GTH	ACCUMULA TION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell Downlink strength	SCANBTSIHO.SININI RH_40	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL _INCOMING_I NTER_HO_DU E_TO_DTM	ACCUMULA TION	INT 8	Successful Incoming Internal Intercell Handovers per originating	SCANBTSIHO.SININI RH_48	Sum	sectchbh, sectchfrb h, Sum

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			cell - DTM			
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_FAST_UPLINK	ACCUMULATION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell - Fast uplink	SCANBTSIHO.SININIRH_46	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_MAINTENANCE	ACCUMULATION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell O and M	SCANBTSIHO.SININIRH_44	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_PREEMPTION	ACCUMULATION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell - Preemption	SCANBTSIHO.SININIRH_47	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_TRAFFIC	ACCUMULATION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell Traffic	SCANBTSIHO.SININIRH_45	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_UPLINK_QUALITY	ACCUMULATION	INT 8	Successful Incoming Internal Intercell Handovers per originating cell uplink	SCANBTSIHO.SININIRH_37	Sum	sectchbh, sectchfrbh, Sum

			Quality			
SUCCESSFUL_INCOMING_INTER_HO_DUE_TO_UPLINK_STRENGTH	ACCUMULATION	INT 8	Successful Incoming Intercell Handovers per originating cell Uplink strength	SCANBTSIHO.SININIRH_39	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_BETTER_CELL	ACCUMULATION	INT 8	Successful Outgoing Intercell Handovers per neighbourcell relationship - better cell (power budget)	SCANBTSOHOI.SOUI NIRH_42	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_DIRECTED_RETRY	ACCUMULATION	INT 8	Successful Outgoing Intercell Handovers per neighbourcell relationship - directed retry	SCANBTSOHOI.SOUI NIRH_43	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_DISTANCE	ACCUMULATION	INT 8	Successful Outgoing Intercell Handovers per neighbourcell relationship - distance (between MS and serving cell)	SCANBTSOHOI.SOUI NIRH_41	Sum	sectchbh, sectchfrbh, Sum

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SUCCESSFUL _OUTGOING_ _INTER_HO_D UE_TO_DOW NLINK_QUAL ITY	ACCUMULA TION	INT 8	Successful Outgoing Inter-cell Handovers per neighbour-cell relationship - downlink quality	SCANBTSOHOI.SOU NIRH_38	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL _OUTGOING_ _INTER_HO_D UE_TO_DOW NLINK_STRE NGTH	ACCUMULA TION	INT 8	Successful Outgoing Inter-cell Handovers per neighbour-cell relationship - downlink strength	SCANBTSOHOI.SOU NIRH_40	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL _OUTGOING_ _INTER_HO_D UE_TO_DTM	ACCUMULA TION	INT 8	Successful outgoing Internal Inter-cell Handovers per originating cell - DTM	SCANBTSOHOI.SOU NIRH_48	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL _OUTGOING_ _INTER_HO_D UE_TO_FAST _UPLINK	ACCUMULA TION	INT 8	Successful Outgoing Inter-cell Handovers per neighbour-cell relationship Fast Uplink	SCANBTSOHOI.SOU NIRH_46	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL _OUTGOING_ _INTER_HO_D UE_TO_MAIN TENANCE	ACCUMULA TION	INT 8	Successful Outgoing Inter-cell Handovers per neighbour-cell relationship O and M	SCANBTSOHOI.SOU NIRH_44	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL	ACCUMULA	INT	Successful	SCANBTSOHOI.SOU	Sum	sectchbh,

OUTGOING INTER_HO_D UE_TO_PREE MPTION	TION	8	Outgoing Intercell Handovers per neighbourcell relationship - Preemption	NIRH_47		sectchfrb h, Sum
SUCCESSFUL OUTGOING INTER_HO_D UE_TO_TRAF FIC	ACCUMULA TION	INT 8	Successful Outgoing Intercell Handovers per neighbourcell relationship Traffic	SCANBTSOHOI.SOU NIRH_45	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL OUTGOING INTER_HO_D UE_TO_UPLI NK_QUALITY	ACCUMULA TION	INT 8	Successful Outgoing Intercell Handovers per neighbourcell relationship - uplink quality	SCANBTSOHOI.SOU NIRH_37	Sum	sectchbh, sectchfrb h, Sum
SUCCESSFUL OUTGOING INTER_HO_D UE_TO_UPLI NK_STRENGT H	ACCUMULA TION	INT 8	Successful Outgoing Intercell Handovers per neighbourcell relationship - uplink strength	SCANBTSOHOI.SOU NIRH_39	Sum	sectchbh, sectchfrb h, Sum

7.8.5 Neighbour.Siemens.GSM.Inter_BSC_Handover

Inter-BSC Handover Measurements

KPI	Type	Data Typ	Description	Derivation	Default Aggrega	Other Aggrega
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		e			tor	tors
Attempted_Outgoing_Inter_Bsc_Ho_Due_To_Dtm	ACCUMULATION	INT 8	Attempted outgoing inter BSC handovers per neighbourcell relationship - DTM	SCANBTSOHON.ATIN BHDO_11	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_BETTER_CELL	ACCUMULATION	INT 8	Attempted outgoing inter BSC handovers per neighbourcell relationship - better cell	SCANBTSOHON.ATIN BHDO_6	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_DIRECTED_RETRY	ACCUMULATION	INT 8	Attempted outgoing inter BSC handovers per neighbourcell relationship - directed retry	SCANBTSOHON.ATIN BHDO_7	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_DISTANCE	ACCUMULATION	INT 8	Attempted outgoing inter BSC handovers per neighbourcell relationship - distance	SCANBTSOHON.ATIN BHDO_5	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_DOWNLINK_QUALITY	ACCUMULATION	INT 8	Attempted outgoing inter BSC handovers per neighbourcell relationship - downlink quality	SCANBTSOHON.ATIN BHDO_2	Sum	sectchbh, sectchfrbh, Sum

ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_DOWNLINK_STRENGTH	ACCUMULATION	INT 8	Attempted outgoing inter BSC handovers per neighbourcell relationship - downlink strength	SCANBTSOHON.ATIN BHDO_4	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_FAST_UPLINK	ACCUMULATION	INT 8	Attempted outgoing inter BSC handovers per neighbourcell relationship - fast uplink	SCANBTSOHON.ATIN BHDO_9	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_MAINTENANCE	ACCUMULATION	INT 8	Attempted outgoing inter BSC handovers per neighbourcell relationship - O and M	SCANBTSOHON.ATIN BHDO_8	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_PREEMPTION	ACCUMULATION	INT 8	Attempted outgoing inter BSC handovers per neighbourcell relationship - preemption	SCANBTSOHON.ATIN BHDO_10	Sum	sectchbh, sectchfrbh, Sum
ATTEMPTED_OUTGOING_INTER_HO_DUE_TO_UPLINK_QUALITY	ACCUMULATION	INT 8	Attempted outgoing inter BSC handovers per neighbourcell	SCANBTSOHON.ATIN BHDO_1	Sum	sectchbh, sectchfrbh, Sum

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			relationship - uplink quality			
ATTEMPTED _OUTGOING_ INTER_HO_D UE_TO_UPLI NK_STRENG TH	ACCUMULA TION	INT 8	Attempted outgoing inter BSC handovers per neighbourcell relationship - uplink strength	SCANBTSOHON.ATIN BHDO_3	Sum	sectchbh, sectchfrb h, Sum
Failed_Outgoin g_Inter_Bsc_H o_Due_To_Dt m	ACCUMULA TION	INT 8	Failed outgoing inter BSC handovers per neighbourcell relationship - DTM	SCANBTSOHON.NRU NINHD_11	Sum	sectchbh, sectchfrb h, Sum
FAILED_OUT GOING_INTE R_HO_DUE_T O_BETTER_C ELL	ACCUMULA TION	INT 8	Failed outgoing inter BSC handovers per neighbourcell relationship - better cell	SCANBTSOHON.NRU NINHD_6	Sum	sectchbh, sectchfrb h, Sum
FAILED_OUT GOING_INTE R_HO_DUE_T O_DIRECTED _RETRY	ACCUMULA TION	INT 8	Failed outgoing inter BSC handovers per neighbourcell relationship - directed retry	SCANBTSOHON.NRU NINHD_7	Sum	sectchbh, sectchfrb h, Sum
FAILED_OUT GOING_INTE R_HO_DUE_T O_DISTANCE	ACCUMULA TION	INT 8	Failed outgoing inter BSC handovers per neighbourcell relationship -	SCANBTSOHON.NRU NINHD_5	Sum	sectchbh, sectchfrb h, Sum

			distance			
FAILED_OUT GOING_INTER_HO_DUE_TO_DOWNLINK_QUALITY	ACCUMULATION	INT 8	Failed outgoing inter BSC handovers per neighbourcell relationship - downlink quality	SCANBTSOHON.NRU NINHD_2	Sum	sectchbh, sectchfrbh, Sum
FAILED_OUT GOING_INTER_HO_DUE_TO_DOWNLINK_STRENGTH	ACCUMULATION	INT 8	Failed outgoing inter BSC handovers per neighbourcell relationship - downlink strength	SCANBTSOHON.NRU NINHD_4	Sum	sectchbh, sectchfrbh, Sum
FAILED_OUT GOING_INTER_HO_DUE_TO_FAST_UPLINK	ACCUMULATION	INT 8	Failed outgoing inter BSC handovers per neighbourcell relationship - fast uplink	SCANBTSOHON.NRU NINHD_9	Sum	sectchbh, sectchfrbh, Sum
FAILED_OUT GOING_INTER_HO_DUE_TO_MAINTENANCE	ACCUMULATION	INT 8	Failed outgoing inter BSC handovers per neighbourcell relationship - maintenance	SCANBTSOHON.NRU NINHD_8	Sum	sectchbh, sectchfrbh, Sum
FAILED_OUT GOING_INTER_HO_DUE_TO	ACCUMULATION	INT 8	Failed outgoing inter BSC	SCANBTSOHON.NRU NINHD_10	Sum	sectchbh, sectchfrbh, Sum

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O_PREEMPTION			handovers per neighbourcell relationship - preemption			
FAILED_OUTGOING_INTER_HO_DUE_TO_UPLINK_QUALITY	ACCUMULATION	INT 8	Failed outgoing inter BSC handovers per neighbourcell relationship - uplink quality	SCANBTSOHON.NRU NINHD_1	Sum	sectchbh, sectchfrbh, Sum
FAILED_OUTGOING_INTER_HO_DUE_TO_UPLINK_STRENGTH	ACCUMULATION	INT 8	Failed outgoing inter BSC handovers per neighbourcell relationship - uplink strength	SCANBTSOHON.NRU NINHD_3	Sum	sectchbh, sectchfrbh, Sum
Succ_Outgoing_Inter_Bsc_Ho_Due_To_Dtm	ACCUMULATION	INT 8	Successful outgoing inter BSC handovers per neighbourcell relationship - DTM	SCANBTSOHON.SUIN BHDO_11	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_BETTER_CELL	ACCUMULATION	INT 8	Successful outgoing inter BSC handovers per neighbourcell relationship - better cell	SCANBTSOHON.SUIN BHDO_6	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_DIRECT	ACCUMULATION	INT 8	Successful outgoing inter BSC handovers	SCANBTSOHON.SUIN BHDO_7	Sum	sectchbh, sectchfrbh, Sum

CTED_RETRY			per neighbourcell relationship - directed retry			
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_DISTANCE	ACCUMULATION	INT 8	Successful outgoing inter BSC handovers per neighbourcell relationship - distance	SCANBTSOHON.SUIN BHDO_5	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_DOWNLINK_QUALITY	ACCUMULATION	INT 8	Successful outgoing inter BSC handovers per neighbourcell relationship - downlink quality	SCANBTSOHON.SUIN BHDO_2	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_DOWNLINK_STRENGTH	ACCUMULATION	INT 8	Successful outgoing inter BSC handovers per neighbourcell relationship - downlink strength	SCANBTSOHON.SUIN BHDO_4	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_FAST_UPLINK	ACCUMULATION	INT 8	Successful outgoing inter BSC handovers per neighbourcell relationship - fast uplink	SCANBTSOHON.SUIN BHDO_9	Sum	sectchbh, sectchfrbh, Sum

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SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_MAINTENANCE	ACCUMULATION	INT8	Successful outgoing inter BSC handovers per neighbourcell relationship - O and M	SCANBTSOHON.SUINBHDO_8	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_PREEMPTION	ACCUMULATION	INT8	Successful outgoing inter BSC handovers per neighbourcell relationship - preemption	SCANBTSOHON.SUINBHDO_10	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_UPLINK_QUALITY	ACCUMULATION	INT8	Successful outgoing inter BSC handovers per neighbourcell relationship - uplink quality	SCANBTSOHON.SUINBHDO_1	Sum	sectchbh, sectchfrbh, Sum
SUCCESSFUL_OUTGOING_INTER_HO_DUE_TO_UPLINK_STRENGTH	ACCUMULATION	INT8	Successful outgoing inter BSC handovers per neighbourcell relationship - uplink strength	SCANBTSOHON.SUINBHDO_3	Sum	sectchbh, sectchfrbh, Sum

7.8.6 Neighbour.Siemens.GSM.Intersystem_HO

Inter-System Handover Measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
ATT_OUTG_	ACCUMULATION	INT8	Attempted	SCANBTSOHOS.ATOI	Sum	sectchbh,

BETTER_CELL	TION		Outgoing Intersystem Handovers better cell	SHDO_6		sectchfrbh, Sum
ATT_OUTG_DIRECTED_RETRY	ACCUMULATION	INT8	Attempted Outgoing Intersystem Handovers directed retry	SCANBTSOHOS.ATOI SHDO_7	Sum	sectchbh, sectchfrbh, Sum
ATT_OUTG_DISTANCE	ACCUMULATION	INT8	Attempted Outgoing Intersystem Handovers distance	SCANBTSOHOS.ATOI SHDO_5	Sum	sectchbh, sectchfrbh, Sum
ATT_OUTG_DL_QUAL	ACCUMULATION	INT8	Attempted Outgoing Intersystem Handovers downlink quality	SCANBTSOHOS.ATOI SHDO_2	Sum	sectchbh, sectchfrbh, Sum
ATT_OUTG_DL_STRENGTH	ACCUMULATION	INT8	Attempted Outgoing Intersystem Handovers downlink strength	SCANBTSOHOS.ATOI SHDO_4	Sum	sectchbh, sectchfrbh, Sum
ATT_OUTG_FORCED_PREEMPTION	ACCUMULATION	INT8	Attempted Outgoing Intersystem Handovers forced HO due to preemption	SCANBTSOHOS.ATOI SHDO_9	Sum	sectchbh, sectchfrbh, Sum
ATT_OUTG_FORCED_QM	ACCUMULATION	INT8	Attempted Outgoing Intersystem Handovers	SCANBTSOHOS.ATOI SHDO_8	Sum	sectchbh, sectchfrbh, Sum

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			forced HO due to Q and M intervention			
ATT_OUTG_SUFFICIENT_UMTS_COV	ACCUMULATION	INT8	Attempted Outgoing Intersystem Handovers sufficient UMTS coverage	SCANBTSOHOS.ATOISHDO_10	Sum	sectchbh, sectchfrbh, Sum
ATT_OUTG_UL_QUAL	ACCUMULATION	INT8	Attempted Outgoing Intersystem Handovers uplink quality	SCANBTSOHOS.ATOISHDO_1	Sum	sectchbh, sectchfrbh, Sum
ATT_OUTG_UL_STRENGTH	ACCUMULATION	INT8	Attempted Outgoing Intersystem Handovers uplink strength	SCANBTSOHOS.ATOISHDO_3	Sum	sectchbh, sectchfrbh, Sum
Attempted_Forced_Ho_Due_To_Dtm	ACCUMULATION	INTEGER	Attempted Forced handover due to DTM	SCANBTSOHOS.ATOISHDO_11	Sum	sectchbh, sectchfrbh, Sum
SUCC_OUTG_BETTER_CELL	ACCUMULATION	INT8	Successful Outgoing Intersystem Handovers better cell	SCANBTSOHOS.SUOISHDO_6	Sum	sectchbh, sectchfrbh, Sum
SUCC_OUTG_DIRECTED_RETRY	ACCUMULATION	INT8	Successful Outgoing Intersystem Handovers directed retry	SCANBTSOHOS.SUOISHDO_7	Sum	sectchbh, sectchfrbh, Sum
SUCC_OUTG_DISTANCE	ACCUMULATION	INT8	Successful Outgoing Intersystem	SCANBTSOHOS.SUOISHDO_5	Sum	sectchbh, sectchfrbh, Sum

			Handovers distance			
SUCC_OUT G_DL_QUAL	ACCUMULA TION	INT8	Successful Outgoing Intersystem Handovers downlink quality	SCANBTSOHOS.SUOI SHDO_2	Sum	sectchbh, sectchfrb h, Sum
SUCC_OUT G_DL_STRE NGTH	ACCUMULA TION	INT8	Successful Outgoing Intersystem Handovers downlink strength	SCANBTSOHOS.SUOI SHDO_4	Sum	sectchbh, sectchfrb h, Sum
SUCC_OUT G_FORCED_ PREEMPTIO N	ACCUMULA TION	INT8	Successful Outgoing Intersystem Handovers forced HO due to preemption	SCANBTSOHOS.SUOI SHDO_9	Sum	sectchbh, sectchfrb h, Sum
SUCC_OUT G_FORCED_ QM	ACCUMULA TION	INT8	Successful Outgoing Intersystem Handovers forced HO due to Q and M intervention	SCANBTSOHOS.SUOI SHDO_8	Sum	sectchbh, sectchfrb h, Sum
SUCC_OUT G_SUFFICIE NT_UMTS_C OV	ACCUMULA TION	INT8	Successful Outgoing Intersystem Handovers sufficient UMTS coverage	SCANBTSOHOS.SUOI SHDO_10	Sum	sectchbh, sectchfrb h, Sum
SUCC_OUT G_UL_QUAL	ACCUMULA TION	INT8	Successful Outgoing	SCANBTSOHOS.SUOI SHDO_1	Sum	sectchbh, sectchfrb

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			Intersystem Handovers uplink quality			h, Sum
SUCC_OUTG_UL_STRENGTH	ACCUMULATION	INT8	Successful Outgoing Intersystem Handovers uplink strength	SCANBTSOHOS.SUOISHDO_3	Sum	sectchbh, sectchfrbh, Sum
Succ_Outgoing_Forced_Ho_Due_To_Dtm	ACCUMULATION	INT8	Successful outgoing Forced handover due to DTM	SCANBTSOHOS.SUOISHDO_11	Sum	sectchbh, sectchfrbh, Sum
UNSUC_OUTG_BETTER_CELL	ACCUMULATION	INT8	Unsuccessful Outgoing Intersystem Handovers better cell	SCANBTSOHOS.UNOISHDO_6	Sum	sectchbh, sectchfrbh, Sum
UNSUC_OUTG_DIRECTED_RETRY	ACCUMULATION	INT8	Unsuccessful Outgoing Intersystem Handovers directed retry	SCANBTSOHOS.UNOISHDO_7	Sum	sectchbh, sectchfrbh, Sum
UNSUC_OUTG_DISTANCE	ACCUMULATION	INT8	Unsuccessful Outgoing Intersystem Handovers distance	SCANBTSOHOS.UNOISHDO_5	Sum	sectchbh, sectchfrbh, Sum
UNSUC_OUTG_DL_QUAL	ACCUMULATION	INT8	Unsuccessful Outgoing Intersystem Handovers downlink quality	SCANBTSOHOS.UNOISHDO_2	Sum	sectchbh, sectchfrbh, Sum
UNSUC_OUTG_DL_STRENGTH	ACCUMULATION	INT8	Unsuccessful Outgoing Intersystem Handovers	SCANBTSOHOS.UNOISHDO_4	Sum	sectchbh, sectchfrbh, Sum

			downlink strength			
UNSUC_OUTG_FORCED_PREEMPTION	ACCUMULATION	INT8	Unsuccessful Outgoing Intersystem Handovers forced HO due to preemption	SCANBTSOHOS.UNOISHDO_9	Sum	sectchbh, sectchfrbh, Sum
UNSUC_OUTG_FORCED_QM	ACCUMULATION	INT8	Unsuccessful Outgoing Intersystem Handovers forced HO due to Q and M intervention	SCANBTSOHOS.UNOISHDO_8	Sum	sectchbh, sectchfrbh, Sum
UNSUC_OUTG_SUFFICIENT_UMTS_COV	ACCUMULATION	INT8	Unsuccessful Outgoing Intersystem Handovers sufficient UMTS coverage	SCANBTSOHOS.UNOISHDO_10	Sum	sectchbh, sectchfrbh, Sum
UNSUC_OUTG_UL_QUAL	ACCUMULATION	INT8	Unsuccessful Outgoing Intersystem Handovers uplink quality	SCANBTSOHOS.UNOISHDO_1	Sum	sectchbh, sectchfrbh, Sum
UNSUC_OUTG_UL_STRENGTH	ACCUMULATION	INT8	Unsuccessful Outgoing Intersystem Handovers uplink strength	SCANBTSOHOS.UNOISHDO_3	Sum	sectchbh, sectchfrbh, Sum
UnSucc_Outgoing_Intersyst	ACCUMULATION	INT8	Unsuccessful Outgoing	SCANBTSOHOS.UNOISHDO_11	Sum	sectchbh, sectchfrbh

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em_Forced_Ho_Due_To_Dtm			Intersystem Forced handover due to DTM			h, Sum
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7.9 NSVC Performance Indicators

This section shows the key performance indicators and other counters for the NSVC object, divided into the following sub-sections:

- [NSVC.Siemens.GSM.Throughput_NSVC](#)

7.9.1 NSVC.Siemens.GSM.Throughput_NSVC

NSVC Throughput

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Mean_Data_Throughput_Per_Nsvc_In_Dl	INTENSITY	FLOAT	Mean data throughput per NSVC in downlink	SCANN SVC.MFRLDATA_2	Average	Average, Maximum, Minimum, Sum
Mean_Data_Throughput_Per_Nsvc_In_Ul	INTENSITY	FLOAT	Mean data throughput per NSVC in uplink	SCANN SVC.MFRLDATA_1	Average	Average, Maximum, Minimum, Sum

7.10 Signalling_Link Performance Indicators

This section shows the key performance indicators and other counters for the Signalling_Link object, divided into the following sub-sections:

- [Signalling_Link.Siemens.GSM.A_Interface_SS7_Link](#)

7.10.1 Signalling_Link.Siemens.GSM.A_Interface_SS7_Link

Signalling Link A_Interface measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
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DURATION_COMPLETE_LS ET0_UNAV	ACCUMULATION	FLOAT	Obsolete in BR9.0; Duration of complete SS7 linkset 0 unavailable	SCANBSC.DLKUNC ON_1	Sum	Sum
DURATION_COMPLETE_LS ET1_UNAV	ACCUMULATION	FLOAT	Obsolete in BR9.0; Signalling Link Failure - All Reasons	SCANBSC.DLKUNC ON_2	Sum	Sum
DURATION_WITH_STATUSES_IN_SERVICE	ACCUMULATION	FLOAT	Duration of Signalling Link In-Service State	SCANSS7L.DLKSER ST_1	Sum	Average, Maximum, Minimum, Sum
DURATION_WITH_STATUSES_UNAVAILABLE	ACCUMULATION	FLOAT	Duration of Signalling Link Unavailability	SCANSS7L.DSLUN AV_1	Sum	Average, Maximum, Minimum, Sum
LINKSET_DURATION_WITH_STATUS_UNAVAILABLE	ACCUMULATION	FLOAT	** Moved under DPC in BR10***. Duration of the Linkset Unavailable Condition. The SS7 linkset is unavailable if all SS7 links are unavailable.	SCANDPC.DLKUNC ON_1	Sum	Average, Maximum, Minimum, Sum
STATUS_FROM_ACCESSIBLE_TO_UNAVAILABLE	ACCUMULATION	INT8	Signalling Link Failure - All Reasons	SCANSS7L.SLFAIL AL_1	Sum	Sum

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7.11 TRAU Performance Indicators

This section shows the key performance indicators and other counters for the TRAU object, divided into the following sub-sections:

- [TRAU.Siemens.GSM.TRAU_Iframes](#)
- [TRAU.Siemens.GSM.TRAU_LIET_processor_load](#)
- [TRAU.Siemens.GSM.TRAU_LISO_processor_load](#)
- [TRAU.Siemens.GSM.TRAU_MCP_processor_load](#)
- [TRAU.Siemens.GSM.TRAU_MSB_processor_load_HIGH](#)
- [TRAU.Siemens.GSM.TRAU_MSB_processor_load](#)
- [TRAU.Siemens.GSM.TRAU_SMAC_processor_load_HIGH](#)
- [TRAU.Siemens.GSM.TRAU_SMAC_processor_load](#)

7.11.1 TRAU.Siemens.GSM.TRAU_Iframes

Measurement related to the transmission of I-frames of the LAPD protocol on the Asub-interface on eTRAU side.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Badly_received_Iframes	ACCUMULATION	INTEGER	Number of badly received I-frames on TRAU side	SCANTRAU.IFRMT_RAU_4	Sum	sebtmcbh , Sum
Discarded_Iframes	ACCUMULATION	INTEGER	Number of discarded I-frames from the transmit queue on TRAU side	SCANTRAU.IFRMT_RAU_2	Sum	sebtmcbh , Sum
Received_Iframes	ACCUMULATION	INTEGER	Number of received I-frames on TRAU side	SCANTRAU.IFRMT_RAU_3	Sum	sebtmcbh , Sum
Retransmitted_Iframes	ACCUMULATION	INTEGER	Number of retransmitted I-frames from TRAU side	SCANTRAU.IFRMT_RAU_1	Sum	sebtmcbh , Sum

7.11.2 TRAU.Siemens.GSM.TRAU_LIET_processor_load

Measurement related to the load of the LIET (line interface blade E1/T1) of the network element eTRAU.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Max_total_time_on_LIET10	INTENSITY	FLOAT	Max. total time on LIET10	SCANTRAU.TRAULIETPRCLD_14	Average	Average, Maximum, Minimum, sebtmcbbh, Sum
Max_total_time_on_LIET11	INTENSITY	FLOAT	Max. total time on LIET11	SCANTRAU.TRAULIETPRCLD_16	Average	Average, Maximum, Minimum, sebtmcbbh, Sum
Max_total_time_on_LIET12	INTENSITY	FLOAT	Max. total time on LIET12	SCANTRAU.TRAULIETPRCLD_18	Average	Average, Maximum, Minimum, sebtmcbbh, Sum
Max_total_time_on_LIET2	INTENSITY	FLOAT	Max. total time on LIET2	SCANTRAU.TRAULIETPRCLD_2	Average	Average, Maximum, Minimum, sebtmcbbh, Sum
Max_total_time_on_LIET3	INTENSITY	FLOAT	Max. total time on LIET3	SCANTRAU.TRAULIETPRCLD_4	Average	Average, Maximum, Minimum

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						m, sebtmcbh , Sum
Max_total_time_on_LIET4	INTENSITY	FLOAT	Max. total time on LIET4	SCANTRAU.TRAULIET PRCLD_6	Average	Average, Maximum, Minimum, sebtmcbh , Sum
Max_total_time_on_LIET5	INTENSITY	FLOAT	Max. total time on LIET5	SCANTRAU.TRAULIET PRCLD_8	Average	Average, Maximum, Minimum, sebtmcbh , Sum
Max_total_time_on_LIET6	INTENSITY	FLOAT	Max. total time on LIET6	SCANTRAU.TRAULIET PRCLD_10	Average	Average, Maximum, Minimum, sebtmcbh , Sum
Max_total_time_on_LIET7	INTENSITY	FLOAT	Max. total time on LIET7	SCANTRAU.TRAULIET PRCLD_12	Average	Average, Maximum, Minimum, sebtmcbh , Sum
Total_time_on_LIET10	INTENSITY	FLOAT	Total time on LIET10	SCANTRAU.TRAULIET PRCLD_13	Average	Average, Maximum, Minimum, sebtmcbh , Sum
Total_time_on_LIET11	INTENSITY	FLOAT	Total time on LIET11	SCANTRAU.TRAULIET PRCLD_15	Average	Average, Maximum, Minimum

						m, sebtmcbh, Sum
Total_time_on_LIET12	INTENSITY	FLOAT	Total time on LIET12	SCANTRAU.TRAULIETPRCLD_17	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_LIET2	INTENSITY	FLOAT	Total time on LIET2	SCANTRAU.TRAULIETPRCLD_1	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_LIET3	INTENSITY	FLOAT	Total time on LIET3	SCANTRAU.TRAULIETPRCLD_3	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_LIET4	INTENSITY	FLOAT	Total time on LIET4	SCANTRAU.TRAULIETPRCLD_5	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_LIET5	INTENSITY	FLOAT	Total time on LIET5	SCANTRAU.TRAULIETPRCLD_7	Average	Average, Maximum, Minimum, sebtmcbh, Sum

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Total_time_on_LIET6	INTENSITY	FLOAT	Total time on LIET6	SCANTRAU.TRAULIETPRCLD_9	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_LIET7	INTENSITY	FLOAT	Total time on LIET7	SCANTRAU.TRAULIETPRCLD_11	Average	Average, Maximum, Minimum, sebtmcbh, Sum

7.11.3 TRAU.Siemens.GSM.TRAU_LISO_processor_load

Measurement related to the load of the LISO (line interface blade STM1-OC3) of the network element eTRAU.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Max_total_time_on_SDH0	INTENSITY	FLOAT	Max. total time on SDH0	SCANTRAU.TRAULISOPRCLD_2	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SDH10	INTENSITY	FLOAT	Max. total time on SDH10	SCANTRAU.TRAULISOPRCLD_22	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SDH11	INTENSITY	FLOAT	Max. total time on SDH11	SCANTRAU.TRAULISOPRCLD_24	Average	Average, Maximum, Minimum, sebtmcbh

						, Sum
Max_total_time_on_SDH12	INTENSITY	FLOAT	Max. total time on SDH12	SCANTRAU.TRAULISO PRCLD_26	Average	Average, Maximum, Minimum, sebtmcbbh, Sum
Max_total_time_on_SDH1	INTENSITY	FLOAT	Max. total time on SDH1	SCANTRAU.TRAULISO PRCLD_4	Average	Average, Maximum, Minimum, sebtmcbbh, Sum
Max_total_time_on_SDH2	INTENSITY	FLOAT	Max. total time on SDH2	SCANTRAU.TRAULISO PRCLD_6	Average	Average, Maximum, Minimum, sebtmcbbh, Sum
Max_total_time_on_SDH3	INTENSITY	FLOAT	Max. total time on SDH3	SCANTRAU.TRAULISO PRCLD_8	Average	Average, Maximum, Minimum, sebtmcbbh, Sum
Max_total_time_on_SDH4	INTENSITY	FLOAT	Max. total time on SDH4	SCANTRAU.TRAULISO PRCLD_10	Average	Average, Maximum, Minimum, sebtmcbbh, Sum
Max_total_time_on_SDH5	INTENSITY	FLOAT	Max. total time on SDH5	SCANTRAU.TRAULISO PRCLD_12	Average	Average, Maximum

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						m, Minimum, sebtmcbh , Sum
Max_total_time_on_SDH6	INTENSITY	FLOAT	Max. total time on SDH6	SCANTRAU.TRAULISO PRCLD_14	Average	Average, Maximum, Minimum, sebtmcbh , Sum
Max_total_time_on_SDH7	INTENSITY	FLOAT	Max. total time on SDH7	SCANTRAU.TRAULISO PRCLD_16	Average	Average, Maximum, Minimum, sebtmcbh , Sum
Max_total_time_on_SDH8	INTENSITY	FLOAT	Max. total time on SDH8	SCANTRAU.TRAULISO PRCLD_18	Average	Average, Maximum, Minimum, sebtmcbh , Sum
Max_total_time_on_SDH9	INTENSITY	FLOAT	Max. total time on SDH9	SCANTRAU.TRAULISO PRCLD_20	Average	Average, Maximum, Minimum, sebtmcbh , Sum
Total_time_on_SDH0	INTENSITY	FLOAT	Total time on SDH0	SCANTRAU.TRAULISO PRCLD_1	Average	Average, Maximum, Minimum, sebtmcbh , Sum
Total_time_on_SDH10	INTENSITY	FLOAT	Total time on SDH10	SCANTRAU.TRAULISO PRCLD_21	Average	Average, Maximum

						m, Minimu m, sebtmcbh , Sum
Total_time_o n_SDH11	INTENSI TY	FLOA T	Total time on SDH11	SCANTRAU.TRAULISO PRCLD_23	Average	Average, Maximu m, Minimu m, sebtmcbh , Sum
Total_time_o n_SDH12	INTENSI TY	FLOA T	Total time on SDH12	SCANTRAU.TRAULISO PRCLD_25	Average	Average, Maximu m, Minimu m, sebtmcbh , Sum
Total_time_o n_SDH1	INTENSI TY	FLOA T	Total time on SDH1	SCANTRAU.TRAULISO PRCLD_3	Average	Average, Maximu m, Minimu m, sebtmcbh , Sum
Total_time_o n_SDH2	INTENSI TY	FLOA T	Total time on SDH2	SCANTRAU.TRAULISO PRCLD_5	Average	Average, Maximu m, Minimu m, sebtmcbh , Sum
Total_time_o n_SDH3	INTENSI TY	FLOA T	Total time on SDH3	SCANTRAU.TRAULISO PRCLD_7	Average	Average, Maximu m, Minimu m,

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						sebtmcbh , Sum
Total_time_on_SDH4	INTENSITY	FLOAT	Total time on SDH4	SCANTRAU.TRAULISO PRCLD_9	Average	Average, Maximum, Minimum, sebtmcbh , Sum
Total_time_on_SDH5	INTENSITY	FLOAT	Total time on SDH5	SCANTRAU.TRAULISO PRCLD_11	Average	Average, Maximum, Minimum, sebtmcbh , Sum
Total_time_on_SDH6	INTENSITY	FLOAT	Total time on SDH6	SCANTRAU.TRAULISO PRCLD_13	Average	Average, Maximum, Minimum, sebtmcbh , Sum
Total_time_on_SDH7	INTENSITY	FLOAT	Total time on SDH7	SCANTRAU.TRAULISO PRCLD_15	Average	Average, Maximum, Minimum, sebtmcbh , Sum
Total_time_on_SDH8	INTENSITY	FLOAT	Total time on SDH8	SCANTRAU.TRAULISO PRCLD_17	Average	Average, Maximum, Minimum, sebtmcbh , Sum
Total_time_on_SDH9	INTENSITY	FLOAT	Total time on SDH9	SCANTRAU.TRAULISO PRCLD_19	Average	Average, Maximum, Minimum,

						sebtmcbbh , Sum
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7.11.4 TRAU.Siemens.GSM.TRAU_MCP_processor_load

Measurement related to load of the MCP (main control processor board) of the network element eTRAU.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Max_total_time_TRAU_MCP	INTENSITY	FLOAT	Max. total time TRAU MCP	SCANTRAU.TRAUMCP PRCLD_2	Average	Average, Maximum, Minimum, sebtmcbbh, Sum
Total_time_TRAU_MCP	INTENSITY	FLOAT	Total time TRAU MCP	SCANTRAU.TRAUMCP PRCLD_1	Average	Average, Maximum, Minimum, sebtmcbbh, Sum

7.11.5 TRAU.Siemens.GSM.TRAU_MSB_processor_load_HIGH

Measurement related to load of the MSB (media stream board) of the network element eTRAU High End or Integrated.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Max_total_time_on_SHELF0_MSB10	INTENSITY	FLOAT	Max. total time on SHELF0/MSB 10	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_16	Average	Average, Maximum, Minimum,

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						sebtmcbh , Sum
Max_total_time_on_SHELF0_MSB11	INTENSITY	FLOAT	Max. total time on SHELF0/MSB11	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_18	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SHELF0_MSB12	INTENSITY	FLOAT	Max. total time on SHELF0/MSB12	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_20	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SHELF0_MSB13	INTENSITY	FLOAT	Max. total time on SHELF0/MSB13	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_22	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SHELF0_MSB14	INTENSITY	FLOAT	Max. total time on SHELF0/MSB14	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_24	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SHELF0_MSB15	INTENSITY	FLOAT	Max. total time on SHELF0/MSB15	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_26	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SHELF0_MSB16	INTENSITY	FLOAT	Max. total time on SHELF0/MSB16	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_28	Average	Average, Maximum, Minimum,

						sebtmcbh , Sum
Max_total_time_on_SHELF0_MSB1	INTENSITY	FLOAT	Max. total time on SHELF0/MSB1	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_2	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SHELF0_MSB2	INTENSITY	FLOAT	Max. total time on SHELF0/MSB2	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_4	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SHELF0_MSB3	INTENSITY	FLOAT	Max. total time on SHELF0/MSB3	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_6	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SHELF0_MSB4	INTENSITY	FLOAT	Max. total time on SHELF0/MSB4	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_8	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SHELF0_MSB5	INTENSITY	FLOAT	Max. total time on SHELF0/MSB5	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_10	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_time	INTENSITY	FLOAT	Max. total time	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_10	Average	Average,

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me_on_SHELF0_MSB6	TY	T	on SHELF0/MSB6	EGRATED.TRAUMSBPRCLD_12		Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SHELF0_MSB7	INTENSITY	FLOAT	Max. total time on SHELF0/MSB7	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_14	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SHELF1_MSB10	INTENSITY	FLOAT	Max. total time on SHELF1/MSB10	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_46	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SHELF1_MSB11	INTENSITY	FLOAT	Max. total time on SHELF1/MSB11	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_48	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SHELF1_MSB12	INTENSITY	FLOAT	Max. total time on SHELF1/MSB12	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_50	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SHELF1_MSB13	INTENSITY	FLOAT	Max. total time on SHELF1/MSB13	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_52	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_ti	INTENSITY	FLOAT	Max. total time	SCANTRAU_HIGH_INT	Average	Average,

me_on_SHELF1_MSB14	TY	T	on SHELF1/MSB14	EGRATED.TRAUMSBPRCLD_54		Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SHELF1_MSB1	INTENSITY	FLOAT	Max. total time on SHELF1/MSB1	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_32	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SHELF1_MSB2	INTENSITY	FLOAT	Max. total time on SHELF1/MSB2	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_34	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SHELF1_MSB3	INTENSITY	FLOAT	Max. total time on SHELF1/MSB3	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_36	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SHELF1_MSB4	INTENSITY	FLOAT	Max. total time on SHELF1/MSB4	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_38	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SHELF1_MSB5	INTENSITY	FLOAT	Max. total time on SHELF1/MSB5	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_40	Average	Average, Maximum, Minimum

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						m, sebtmcbh, Sum
Max_total_time_on_SHELF1_MSB6	INTENSITY	FLOAT	Max. total time on SHELF1/MSB6	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_42	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SHELF1_MSB7	INTENSITY	FLOAT	Max. total time on SHELF1/MSB7	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_44	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF0_MSB10	INTENSITY	FLOAT	Total time on SHELF0/MSB10	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_15	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF0_MSB11	INTENSITY	FLOAT	Total time on SHELF0/MSB11	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_17	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF0_MSB12	INTENSITY	FLOAT	Total time on SHELF0/MSB12	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_19	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF0_MSB13	INTENSITY	FLOAT	Total time on SHELF0/MSB13	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_21	Average	Average, Maximum, Minimum

						m, sebtmcbh, Sum
Total_time_on_SHELF0_MSB14	INTENSITY	FLOAT	Total time on SHELF0/MSB14	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_23	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF0_MSB15	INTENSITY	FLOAT	Total time on SHELF0/MSB15	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_25	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF0_MSB16	INTENSITY	FLOAT	Total time on SHELF0/MSB16	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_27	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF0_MSB1	INTENSITY	FLOAT	Total time on SHELF0/MSB1	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_1	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF0_MSB2	INTENSITY	FLOAT	Total time on SHELF0/MSB2	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_3	Average	Average, Maximum, Minimum, sebtmcbh, Sum

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Total_time_on _SHELF0_M SB3	INTENSI TY	FLOA T	Total time on SHELF0/MSB 3	SCANTRAU_HIGH_INT TEGRATED.TRAUMSBPR CLD_5	Average	Average, Maximu m, Minimu m, sebtmcbh , Sum
Total_time_on _SHELF0_M SB4	INTENSI TY	FLOA T	Total time on SHELF0/MSB 4	SCANTRAU_HIGH_INT TEGRATED.TRAUMSBPR CLD_7	Average	Average, Maximu m, Minimu m, sebtmcbh , Sum
Total_time_on _SHELF0_M SB5	INTENSI TY	FLOA T	Total time on SHELF0/MSB 5	SCANTRAU_HIGH_INT TEGRATED.TRAUMSBPR CLD_9	Average	Average, Maximu m, Minimu m, sebtmcbh , Sum
Total_time_on _SHELF0_M SB6	INTENSI TY	FLOA T	Total time on SHELF0/MSB 6	SCANTRAU_HIGH_INT TEGRATED.TRAUMSBPR CLD_11	Average	Average, Maximu m, Minimu m, sebtmcbh , Sum
Total_time_on _SHELF0_M SB7	INTENSI TY	FLOA T	Total time on SHELF0/MSB 7	SCANTRAU_HIGH_INT TEGRATED.TRAUMSBPR CLD_13	Average	Average, Maximu m, Minimu m, sebtmcbh , Sum
Total_time_on _SHELF1_M SB10	INTENSI TY	FLOA T	Total time on SHELF1/MSB 10	SCANTRAU_HIGH_INT TEGRATED.TRAUMSBPR CLD_45	Average	Average, Maximu m, Minimu m, sebtmcbh , Sum

Total_time_on _SHELF1_M SB11	INTENSI TY	FLOA T	Total time on SHELF1/MSB 11	SCANTRAU_HIGH_INT EGRATED.TRAUMSBPR CLD_47	Average	Average, Maximu m, Minimu m, sebtmc bh , Sum
Total_time_on _SHELF1_M SB12	INTENSI TY	FLOA T	Total time on SHELF1/MSB 12	SCANTRAU_HIGH_INT EGRATED.TRAUMSBPR CLD_49	Average	Average, Maximu m, Minimu m, sebtmc bh , Sum
Total_time_on _SHELF1_M SB13	INTENSI TY	FLOA T	Total time on SHELF1/MSB 13	SCANTRAU_HIGH_INT EGRATED.TRAUMSBPR CLD_51	Average	Average, Maximu m, Minimu m, sebtmc bh , Sum
Total_time_on _SHELF1_M SB14	INTENSI TY	FLOA T	Total time on SHELF1/MSB 14	SCANTRAU_HIGH_INT EGRATED.TRAUMSBPR CLD_53	Average	Average, Maximu m, Minimu m, sebtmc bh , Sum
Total_time_on _SHELF1_M SB1	INTENSI TY	FLOA T	Total time on SHELF1/MSB 1	SCANTRAU_HIGH_INT EGRATED.TRAUMSBPR CLD_31	Average	Average, Maximu m, Minimu m, sebtmc bh , Sum
Total_time_on _SHELF1_M SB2	INTENSI TY	FLOA T	Total time on SHELF1/MSB 2	SCANTRAU_HIGH_INT EGRATED.TRAUMSBPR CLD_33	Average	Average, Maximu m,

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						Minimum, sebtmcbh, Sum
Total_time_on_SHELF1_MSB3	INTENSITY	FLOAT	Total time on SHELF1/MSB3	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_35	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF1_MSB4	INTENSITY	FLOAT	Total time on SHELF1/MSB4	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_37	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF1_MSB5	INTENSITY	FLOAT	Total time on SHELF1/MSB5	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_39	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF1_MSB6	INTENSITY	FLOAT	Total time on SHELF1/MSB6	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_41	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF1_MSB7	INTENSITY	FLOAT	Total time on SHELF1/MSB7	SCANTRAU_HIGH_INTEGRATED.TRAUMSBPRCLD_43	Average	Average, Maximum, Minimum, sebtmcbh, Sum

7.11.6 TRAU.Siemens.GSM.TRAU_MSB_processor_load

Measurement related to load of the MSB (media stream board) of the network element eTRAU basic.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Max_total_time_on_SHELF1_MSB10	INTENSITY	FLOAT	Max. total time on SHELF1/MSB10	SCANTRAU.TRAUMSB PRCLD_16	Average	Average, Maximum, Minimum, sebtmcbbh, Sum
Max_total_time_on_SHELF1_MSB11	INTENSITY	FLOAT	Max. total time on SHELF1/MSB11	SCANTRAU.TRAUMSB PRCLD_18	Average	Average, Maximum, Minimum, sebtmcbbh, Sum
Max_total_time_on_SHELF1_MSB12	INTENSITY	FLOAT	Max. total time on SHELF1/MSB12	SCANTRAU.TRAUMSB PRCLD_20	Average	Average, Maximum, Minimum, sebtmcbbh, Sum
Max_total_time_on_SHELF1_MSB13	INTENSITY	FLOAT	Max. total time on SHELF1/MSB13	SCANTRAU.TRAUMSB PRCLD_22	Average	Average, Maximum, Minimum, sebtmcbbh, Sum
Max_total_time_on_SHELF1_MSB14	INTENSITY	FLOAT	Max. total time on SHELF1/MSB14	SCANTRAU.TRAUMSB PRCLD_24	Average	Average, Maximum, Minimum, sebtmcbbh, Sum

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Max_total_time_on_SHELF1_MSB1	INTENSITY	FLOAT	Max. total time on SHELF1/MSB 1	SCANTRAU.TRAUMSB PRCLD_2	Average	Average, Maximum, Minimum, sebtmcbh , Sum
Max_total_time_on_SHELF1_MSB2	INTENSITY	FLOAT	Max. total time on SHELF1/MSB 2	SCANTRAU.TRAUMSB PRCLD_4	Average	Average, Maximum, Minimum, sebtmcbh , Sum
Max_total_time_on_SHELF1_MSB3	INTENSITY	FLOAT	Max. total time on SHELF1/MSB 3	SCANTRAU.TRAUMSB PRCLD_6	Average	Average, Maximum, Minimum, sebtmcbh , Sum
Max_total_time_on_SHELF1_MSB4	INTENSITY	FLOAT	Max. total time on SHELF1/MSB 4	SCANTRAU.TRAUMSB PRCLD_8	Average	Average, Maximum, Minimum, sebtmcbh , Sum
Max_total_time_on_SHELF1_MSB5	INTENSITY	FLOAT	Max. total time on SHELF1/MSB 5	SCANTRAU.TRAUMSB PRCLD_10	Average	Average, Maximum, Minimum, sebtmcbh , Sum
Max_total_time_on_SHELF1_MSB6	INTENSITY	FLOAT	Max. total time on SHELF1/MSB 6	SCANTRAU.TRAUMSB PRCLD_12	Average	Average, Maximum, Minimum, sebtmcbh , Sum

Max_total_time_on_SHELF1_MSB7	INTENSITY	FLOAT	Max. total time on SHELF1/MSB 7	SCANTRAU.TRAUMSB PRCLD_14	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF1_MSB10	INTENSITY	FLOAT	Total time on SHELF1/MSB 10	SCANTRAU.TRAUMSB PRCLD_15	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF1_MSB11	INTENSITY	FLOAT	Total time on SHELF1/MSB 11	SCANTRAU.TRAUMSB PRCLD_17	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF1_MSB12	INTENSITY	FLOAT	Total time on SHELF1/MSB 12	SCANTRAU.TRAUMSB PRCLD_19	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF1_MSB13	INTENSITY	FLOAT	Total time on SHELF1/MSB 13	SCANTRAU.TRAUMSB PRCLD_21	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF1_MSB14	INTENSITY	FLOAT	Total time on SHELF1/MSB 14	SCANTRAU.TRAUMSB PRCLD_23	Average	Average, Maximum,

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						Minimum, sebtmcbh, Sum
Total_time_on_SHELF1_MSB1	INTENSITY	FLOAT	Total time on SHELF1/MSB1	SCANTRAU.TRAUMSB PRCLD_1	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF1_MSB2	INTENSITY	FLOAT	Total time on SHELF1/MSB2	SCANTRAU.TRAUMSB PRCLD_3	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF1_MSB3	INTENSITY	FLOAT	Total time on SHELF1/MSB3	SCANTRAU.TRAUMSB PRCLD_5	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF1_MSB4	INTENSITY	FLOAT	Total time on SHELF1/MSB4	SCANTRAU.TRAUMSB PRCLD_7	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF1_MSB5	INTENSITY	FLOAT	Total time on SHELF1/MSB5	SCANTRAU.TRAUMSB PRCLD_9	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF1_MSB6	INTENSITY	FLOAT	Total time on SHELF1/MSB6	SCANTRAU.TRAUMSB PRCLD_11	Average	Average, Maximum,

						Minimum, sebtmcbh, Sum
Total_time_on_SHELF1_MSB7	INTENSITY	FLOAT	Total time on SHELF1/MSB7	SCANTRAU.TRAUMSBPRCLD_13	Average	Average, Maximum, Minimum, sebtmcbh, Sum

7.11.7 TRAU.Siemens.GSM.TRAU_SMAC_processor_load_HIGH

Measurement related to load of the SMAC (switching module and clock generator) board of the network element eTRAU High End or Integrated.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Max_total_time_on_SHELF0_SMAC8	INTENSITY	FLOAT	Max. total time on SHELF0/SMAC8	SCANTRAU_HIGH_INTEGRATED.TRAUSMACPRCLD_2	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SHELF0_SMAC9	INTENSITY	FLOAT	Max. total time on SHELF0/SMAC9	SCANTRAU_HIGH_INTEGRATED.TRAUSMACPRCLD_4	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Max_total_time_on_SHELF1_SMAC8	INTENSITY	FLOAT	Max. total time on SHELF1/SMAC8	SCANTRAU_HIGH_INTEGRATED.TRAUSMACPRCLD_6	Average	Average, Maximum, Minimum,

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						sebtmcbh , Sum
Max_total_time_on_SHELF1_SMAC9	INTENSITY	FLOAT	Max. total time on SHELF1/SMAC9	SCANTRAU_HIGH_INTEGRATED.TRAUSMACPRCLD_8	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF0_SMAC8	INTENSITY	FLOAT	Total time on SHELF0/SMAC8	SCANTRAU_HIGH_INTEGRATED.TRAUSMACPRCLD_1	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF0_SMAC9	INTENSITY	FLOAT	Total time on SHELF0/SMAC9	SCANTRAU_HIGH_INTEGRATED.TRAUSMACPRCLD_3	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF1_SMAC8	INTENSITY	FLOAT	Total time on SHELF1/SMAC8	SCANTRAU_HIGH_INTEGRATED.TRAUSMACPRCLD_5	Average	Average, Maximum, Minimum, sebtmcbh, Sum
Total_time_on_SHELF1_SMAC9	INTENSITY	FLOAT	Total time on SHELF1/SMAC9	SCANTRAU_HIGH_INTEGRATED.TRAUSMACPRCLD_7	Average	Average, Maximum, Minimum, sebtmcbh, Sum

7.11.8 TRAU.Siemens.GSM.TRAU_SMAC_processor_load

Measurement related to load of the SMAC (switching module and clock generator) board of the network element eTRAU basic.

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
Max_total_time_on_SHELF1_SMAC8	INTENSITY	FLOAT	Max. total time on SHELF1/SMAC8	SCANTRAU.TRAUSMACPRCLD_2	Average	Average, Maximum, Minimum, sebtmcbbh, Sum
Max_total_time_on_SHELF1_SMAC9	INTENSITY	FLOAT	Max. total time on SHELF1/SMAC9	SCANTRAU.TRAUSMACPRCLD_4	Average	Average, Maximum, Minimum, sebtmcbbh, Sum
Total_time_on_SHELF1_SMAC8	INTENSITY	FLOAT	Total time on SHELF1/SMAC8	SCANTRAU.TRAUSMACPRCLD_1	Average	Average, Maximum, Minimum, sebtmcbbh, Sum
Total_time_on_SHELF1_SMAC9	INTENSITY	FLOAT	Total time on SHELF1/SMAC9	SCANTRAU.TRAUSMACPRCLD_3	Average	Average, Maximum, Minimum, sebtmcbbh, Sum

7.12 TRX Performance Indicators

This section shows the key performance indicators and other counters for the TRX object, divided into the following sub-sections:

- [TRX.Siemens.GSM.Correlated_RXLEV_to_RXQUAL_KPIs](#)
- [TRX.Siemens.GSM.Correlated_RXLEV_to_RXQUAL](#)

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- [TRX.Siemens.GSM.FER_correlated_to_RXQUAL](#)
- [TRX.Siemens.GSM.QoS_Interference](#)
- [TRX.Siemens.GSM.RX_Level_correlated_to_time_advance](#)
- [TRX.Siemens.GSM.TRX_Availability](#)

7.12.1 TRX.Siemens.GSM.Correlated_RXLEV_to_RXQUAL_KPIs

Correlated RX power and quality KPIs

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
%_RXLEV_DL_Dist_Band_0	PERCENTAGE	FLOAT	RXLEV DL Dist Band 0	$100 * \left(\begin{aligned} &\{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_0_TO_RXQUAL_0\} + \\ &\{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_0_TO_RXQUAL_1\} + \\ &\{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_0_TO_RXQUAL_2\} + \\ &\{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_0_TO_RXQUAL_3\} + \\ &\{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_0_TO_RXQUAL_4\} + \\ &\{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_0_TO_RXQUAL_5\} + \\ &\{Siemens.Correlated_RXLEV_to_RXQUAL \end{aligned} \right)$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh

				$\frac{.DL_CORRELATED_RXLEV_0_TO_RXQUAL_6\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_0_TO_RXQUAL_7\}}{\{TRX_DL_denom\}}$		
$\frac{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_0}{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_1} + \frac{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_1}{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_2} + \frac{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_2}{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_3} + \frac{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_3}{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_4} + \frac{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_4}{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_5} + \frac{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_5}{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_6}$	PERCENTAGE	FLOAT	RXLEV DL Dist Band 1	$100 * \left(\frac{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_0}{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_1} + \frac{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_1}{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_2} + \frac{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_2}{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_3} + \frac{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_3}{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_4} + \frac{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_4}{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_5} + \frac{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_5}{.DL_CORRELATED_RXLEV_1_TO_RXQUAL_6} \right)$	Average	Average, seccchbh, secrctchbh, sectchbh, sectchfrbh

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				$\frac{\text{RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_1_TO_RXQUAL_6} + \{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_1_TO_RXQUAL_7}\}}{\{\text{TRX_DL_denom}\}}$		
%_RXLEV_DL_Dist_Band_2	PERCENTAGE	FLOAT	RXLEV DL Dist Band 2	$100 * (\{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_2_TO_RXQUAL_0}\} + \{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_2_TO_RXQUAL_1}\} + \{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_2_TO_RXQUAL_2}\} + \{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_2_TO_RXQUAL_3}\} + \{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_2_TO_RXQUAL_4}\} + \{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_2_TO_RXQUAL_5}\} + \{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_2_TO_RXQUAL_6}\}) / \{\text{TRX_DL_denom}\}$	Average	Average, seccchbh, secrctchbh, sectchbh, sectchfrbh

				$\frac{\text{UAL_6} + \{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_2_TO_RXQUAL_7}\}}{\{\text{TRX_DL_denom}\}}$		
%_RXLEV_DL_Dist_Band_3	PERCENTAGE	FLOAT	RXLEV DL Dist Band 3	$100 * \frac{\{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_3_TO_RXQUAL_0}\} + \{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_3_TO_RXQUAL_1}\} + \{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_3_TO_RXQUAL_2}\} + \{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_3_TO_RXQUAL_3}\} + \{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_3_TO_RXQUAL_4}\} + \{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_3_TO_RXQUAL_5}\} + \{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_3_TO_RXQUAL_6}\}}{\{\text{TRX_DL_denom}\}}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh

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				$\frac{\text{RXLEV_3_TO_RXQUAL_6} + \{\text{Siemens.Correlated_RXLEV_to_RXQUAL.DL_CORRELATED_RXLEV_3_TO_RXQUAL_7}\}}{\{\text{TRX_DL_denom}\}}$		
%_RXLEV_DL_Dist_Band_4	PERCENTAGE	FLOAT	RXLEV DL Dist Band 4	$100 * \frac{\begin{aligned} &(\{\text{Siemens.Correlated_RXLEV_to_RXQUAL.DL_CORRELATED_RXLEV_4_TO_RXQUAL_0}\} + \\ &\{\text{Siemens.Correlated_RXLEV_to_RXQUAL.DL_CORRELATED_RXLEV_4_TO_RXQUAL_1}\} + \\ &\{\text{Siemens.Correlated_RXLEV_to_RXQUAL.DL_CORRELATED_RXLEV_4_TO_RXQUAL_2}\} + \\ &\{\text{Siemens.Correlated_RXLEV_to_RXQUAL.DL_CORRELATED_RXLEV_4_TO_RXQUAL_3}\} + \\ &\{\text{Siemens.Correlated_RXLEV_to_RXQUAL.DL_CORRELATED_RXLEV_4_TO_RXQUAL_4}\} + \\ &\{\text{Siemens.Correlated_RXLEV_to_RXQUAL.DL_CORRELATED_RXLEV_4_TO_RXQUAL_5}\} + \\ &\{\text{Siemens.Correlated_RXLEV_to_RXQUAL.DL_CORRELATED_RXLEV_4_TO_RXQUAL_6}\} + \\ &\{\text{Siemens.Correlated_} \end{aligned}}{\text{Average, seccchbh, secrctbh, sectchbh, sectchfrbh}}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh

				$\frac{\text{RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_4_TO_RXQUAL_7}}{\{\text{TRX_DL_denom}\}}$		
%_RXLEV_DL_Dist_Band_5	PERCENTAGE	FLOAT	RXLEV DL Dist Band 5	$100 * \left(\begin{aligned} &\{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_5_TO_RXQUAL_0}\} + \\ &\{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_5_TO_RXQUAL_1}\} + \\ &\{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_5_TO_RXQUAL_2}\} + \\ &\{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_5_TO_RXQUAL_3}\} + \\ &\{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_5_TO_RXQUAL_4}\} + \\ &\{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_5_TO_RXQUAL_5}\} + \\ &\{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_5_TO_RXQUAL_6}\} + \end{aligned} \right)$	Average	Average, seccchbh, secrctchbh, sectchbh, sectchfrbh

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				$\frac{\{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_5_TO_RXQUAL_7}\}}{\{\text{TRX_DL_denom}\}}$		
%_RXLEV_DL_Dist_Band_6	PERCENTAGE	FLOAT	RXLEV DL Dist Band 6	$100 * \left(\frac{\{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_6_TO_RXQUAL_0}\} + \{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_6_TO_RXQUAL_1}\} + \{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_6_TO_RXQUAL_2}\} + \{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_6_TO_RXQUAL_3}\} + \{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_6_TO_RXQUAL_4}\} + \{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_6_TO_RXQUAL_5}\} + \{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_6_TO_RXQUAL_6}\}}{\{\text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_6_TO_RXQUAL_7}\}} \right)$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh

				$\frac{RXLEV_6_TO_RXQUAL_7}{\{TRX_DL_denom\}}$		
$\frac{RXLEV_DL_Dist_Band_7}{100}$	PERCENTAGE	FLOAT	RXLEV DL Dist Band 7	$100 * \frac{\{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_7_TO_RXQUAL_0\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_7_TO_RXQUAL_1\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_7_TO_RXQUAL_2\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_7_TO_RXQUAL_3\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_7_TO_RXQUAL_4\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_7_TO_RXQUAL_5\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_7_TO_RXQUAL_6\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_7_TO_RXQUAL_7\}}{\{TRX_DL_denom\}}$	Average	Average, seccchbh, secrctchbh, sectchbh, sectchfrbh

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				.DL_CORRELATED_RXLEV_7_TO_RXQUAL_7})/ {TRX_DL_denom}		
%_RXLEV_UL_Dist_Band_0	PERCENTAGE	FLOAT	RXLEV_UL_Dist_Band_0	100 * ({Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_0_TO_RXQUAL_0} + {Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_0_TO_RXQUAL_1} + {Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_0_TO_RXQUAL_2} + {Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_0_TO_RXQUAL_3} + {Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_0_TO_RXQUAL_4} + {Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_0_TO_RXQUAL_5} + {Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_0_TO_RXQUAL_6} + {Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_0_TO_RXQUAL_7})/	Average	Average, secchbh, seclctbh, sectchbh, sectchfrbh

				{TRX_UL_denom}		
%_RXLEV_UL_Dist_Band_1	PERCENTAGE	FLOAT	RXLEV_UL_Dist_Band_1	$100 * \frac{\begin{aligned} &({Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_1_TO_RXQUAL_0} + \\ &{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_1_TO_RXQUAL_1} + \\ &{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_1_TO_RXQUAL_2} + \\ &{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_1_TO_RXQUAL_3} + \\ &{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_1_TO_RXQUAL_4} + \\ &{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_1_TO_RXQUAL_5} + \\ &{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_1_TO_RXQUAL_6} + \\ &{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_1_TO_RXQ} \end{aligned}}{\{TRX_UL_denom\}}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh

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				UAL_7})/ {TRX_UL_denom}		
%_RXLEV_UL_Dist_Band_2	PERCENTAGE	FLOAT	RXLEV UL Dist Band 2	100 * ({Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_2_TO_RXQUAL_0} + {Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_2_TO_RXQUAL_1} + {Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_2_TO_RXQUAL_2} + {Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_2_TO_RXQUAL_3} + {Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_2_TO_RXQUAL_4} + {Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_2_TO_RXQUAL_5} + {Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_2_TO_RXQUAL_6} + {Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_2_TO_RXQUAL_7})/ {TRX_UL_denom}	Average	Average, seccchbh , secrctbh , sectchbh, sectchfrbh
_	PERCENTAGE	FLOAT	RXLEV UL	100 *	Average	Average,

%_RXLEV_UL_Dist_Band_3	GE	T	Dist Band 3	({Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_3_TO_RXQUAL_0} + {Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_3_TO_RXQUAL_1} + {Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_3_TO_RXQUAL_2} + {Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_3_TO_RXQUAL_3} + {Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_3_TO_RXQUAL_4} + {Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_3_TO_RXQUAL_5} + {Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_3_TO_RXQUAL_6} + {Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_3_TO_RXQUAL_7})/ {TRX_UL_denom}	seccchbh , seclctbh , sectchbh, sectchfrbh
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$\overline{\%_RXLEV_UL_Dist_Band_4}$	PERCENTAGE	FLOAT	RXLEV UL Dist Band 4	$100 * \frac{\{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_4_TO_RXQUAL_0\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_4_TO_RXQUAL_1\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_4_TO_RXQUAL_2\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_4_TO_RXQUAL_3\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_4_TO_RXQUAL_4\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_4_TO_RXQUAL_5\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_4_TO_RXQUAL_6\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_4_TO_RXQUAL_7\}}{\{TRX_UL_denom\}}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh
$\overline{\%_RXLEV_UL_Dist_Band_5}$	PERCENTAGE	FLOAT	RXLEV UL Dist Band 5	$100 * \{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_4_TO_RXQUAL_7\}$	Average	Average, seccchbh,

5				$\frac{\begin{aligned} & .UL_CORRELATED_RXLEV_5_TO_RXQ \\ & UAL_0\} + \\ & \{Siemens.Correlated_RXLEV_to_RXQUAL \\ & .UL_CORRELATED_RXLEV_5_TO_RXQ \\ & UAL_1\} + \\ & \{Siemens.Correlated_RXLEV_to_RXQUAL \\ & .UL_CORRELATED_RXLEV_5_TO_RXQ \\ & UAL_2\} + \\ & \{Siemens.Correlated_RXLEV_to_RXQUAL \\ & .UL_CORRELATED_RXLEV_5_TO_RXQ \\ & UAL_3\} + \\ & \{Siemens.Correlated_RXLEV_to_RXQUAL \\ & .UL_CORRELATED_RXLEV_5_TO_RXQ \\ & UAL_4\} + \\ & \{Siemens.Correlated_RXLEV_to_RXQUAL \\ & .UL_CORRELATED_RXLEV_5_TO_RXQ \\ & UAL_5\} + \\ & \{Siemens.Correlated_RXLEV_to_RXQUAL \\ & .UL_CORRELATED_RXLEV_5_TO_RXQ \\ & UAL_6\} + \\ & \{Siemens.Correlated_RXLEV_to_RXQUAL \\ & .UL_CORRELATED_RXLEV_5_TO_RXQ \\ & UAL_7\}) / \\ & \{TRX_UL_denom\} \end{aligned}}{100}$		secrctbh , sectchbh, sectchfrb h
$\frac{RXLEV_UL}{Dist\ Band\ 6}$	PERCENTAGE	FLOAT	RXLEV UL Dist Band 6	100 * ({Siemens.Correlated_	Average	Average, secchbh

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L_Dist_Band_6				$ \begin{aligned} &RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_6_TO_RXQUAL_0\} + \\ &\{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_6_TO_RXQUAL_1\} + \\ &\{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_6_TO_RXQUAL_2\} + \\ &\{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_6_TO_RXQUAL_3\} + \\ &\{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_6_TO_RXQUAL_4\} + \\ &\{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_6_TO_RXQUAL_5\} + \\ &\{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_6_TO_RXQUAL_6\} + \\ &\{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_6_TO_RXQUAL_7\})/ \\ &\{TRX_UL_denom\} \end{aligned} $, seclctbh , sectchbh, sectchfrbh
%_RXLEV_UL_Dist_Band_7	PERCENTAGE	FLOAT	RXLEV UL Dist Band 7	$ 100 * \{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_7_TO_RXQUAL_0\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_7_TO_RXQUAL_1\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_7_TO_RXQUAL_2\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_7_TO_RXQUAL_3\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_7_TO_RXQUAL_4\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_7_TO_RXQUAL_5\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_7_TO_RXQUAL_6\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_7_TO_RXQUAL_7\}) / \{TRX_UL_denom\} $	Average	Average, seccchbh , seclctbh ,

				$\begin{aligned} & \text{UAL_0} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_7_TO_RXQ} \\ & \text{UAL_1} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_7_TO_RXQ} \\ & \text{UAL_2} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_7_TO_RXQ} \\ & \text{UAL_3} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_7_TO_RXQ} \\ & \text{UAL_4} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_7_TO_RXQ} \\ & \text{UAL_5} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_7_TO_RXQ} \\ & \text{UAL_6} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_7_TO_RXQ} \\ & \text{UAL_7} \} \} / \\ & \{ \text{TRX_UL_denom} \} \end{aligned}$		sectchbh, sectchfrb h
$\frac{\text{RXQUAL_DL_DIST_Band_0}}{\text{PERCENTAGE}}$	PERCENTAGE	FLOAT	RXQUAL DL Dist Band 0	100 * $\frac{\{ \text{Siemens.Correlated_} \\ \text{RXLEV_to_RXQUAL} \\ \text{.DL_CORRELATED_} \}}{\{ \text{TRX_UL_denom} \}}$	Average	Average, secccchbh , seclctbh

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				RXLEV_0_TO_RXQUAL_0} + {Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_1_TO_RXQUAL_0} + {Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_2_TO_RXQUAL_0} + {Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_3_TO_RXQUAL_0} + {Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_4_TO_RXQUAL_0} + {Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_5_TO_RXQUAL_0} + {Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_6_TO_RXQUAL_0} + {Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_7_TO_RXQUAL_0})/ {TRX_DL_denom}		, sectchbh, sectchfrbh
%_RXQUAL_DL_DIST_Band_1	PERCENTAGE	FLOAT	RXQUAL DL Dist Band 1	100 * ({Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_0_TO_RXQUAL_1} + {Siemens.Correlated_	Average	Average, seccchbh, secrctchbh, sectchbh, sectchfrbh

				$\begin{aligned} & \text{RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_1_TO_RXQUAL_1} \} + \\ & \{ \text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_2_TO_RXQUAL_1} \} + \\ & \{ \text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_3_TO_RXQUAL_1} \} + \\ & \{ \text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_4_TO_RXQUAL_1} \} + \\ & \{ \text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_5_TO_RXQUAL_1} \} + \\ & \{ \text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_6_TO_RXQUAL_1} \} + \\ & \{ \text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_7_TO_RXQUAL_1} \} \} / \\ & \{ \text{TRX_DL_denom} \} \end{aligned}$		h
%_RXQUAL_DL_DIST_Band_2	PERCENTAGE	FLOAT	RXQUAL DL Dist Band 2	$100 * \{ \text{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_0_TO_RXQUAL_2} \} +$	Average	Average, seccchbh, secrctbh, sectchbh,

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				{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_1_TO_RXQUAL_2} + {Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_2_TO_RXQUAL_2} + {Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_3_TO_RXQUAL_2} + {Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_4_TO_RXQUAL_2} + {Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_5_TO_RXQUAL_2} + {Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_6_TO_RXQUAL_2} + {Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_7_TO_RXQUAL_2})/ {TRX_DL_denom}		sectchfrbh
%_RXQUAL_DL_DIST_Band_3	PERCENTAGE	FLOAT	RXQUAL DL Dist Band 3	100 * ({Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_0_TO_RXQUAL_3} + {Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrbh

				$ \begin{aligned} &RXLEV_1_TO_RXQ \\ &UAL_3\} + \\ &\{Siemens.Correlated_ \\ &RXLEV_to_RXQUAL \\ &.DL_CORRELATED_ \\ &RXLEV_2_TO_RXQ \\ &UAL_3\} + \\ &\{Siemens.Correlated_ \\ &RXLEV_to_RXQUAL \\ &.DL_CORRELATED_ \\ &RXLEV_3_TO_RXQ \\ &UAL_3\} + \\ &\{Siemens.Correlated_ \\ &RXLEV_to_RXQUAL \\ &.DL_CORRELATED_ \\ &RXLEV_4_TO_RXQ \\ &UAL_3\} + \\ &\{Siemens.Correlated_ \\ &RXLEV_to_RXQUAL \\ &.DL_CORRELATED_ \\ &RXLEV_5_TO_RXQ \\ &UAL_3\} + \\ &\{Siemens.Correlated_ \\ &RXLEV_to_RXQUAL \\ &.DL_CORRELATED_ \\ &RXLEV_6_TO_RXQ \\ &UAL_3\} + \\ &\{Siemens.Correlated_ \\ &RXLEV_to_RXQUAL \\ &.DL_CORRELATED_ \\ &RXLEV_7_TO_RXQ \\ &UAL_3\})/ \\ &\{TRX_DL_denom\} \end{aligned} $		
%_RXQUAL_ DL_DIST_Ban d_4	PERCENTA GE	FLOA T	RXQUAL DL Dist Band 4	$ \begin{aligned} &100 * \\ &(\{Siemens.Correlated_ \\ &RXLEV_to_RXQUAL \\ &.DL_CORRELATED_ \\ &RXLEV_0_TO_RXQ \\ &UAL_4\} + \\ &\{Siemens.Correlated_ \\ &RXLEV_to_RXQUAL \end{aligned} $	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrb h

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				$ \begin{aligned} & .DL_CORRELATED_RXLEV_1_TO_RXQUAL_4\} + \\ & \{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_2_TO_RXQUAL_4\} + \\ & \{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_3_TO_RXQUAL_4\} + \\ & \{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_4_TO_RXQUAL_4\} + \\ & \{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_5_TO_RXQUAL_4\} + \\ & \{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_6_TO_RXQUAL_4\} + \\ & \{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_7_TO_RXQUAL_4\}) / \\ & \{TRX_DL_denom\} \end{aligned} $		
%_RXQUAL_DL_DIST_Band_5	PERCENTAGE	FLOAT	RXQUAL DL Dist Band 5	$ \begin{aligned} & 100 * \\ & (\{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_0_TO_RXQUAL_5\} + \\ & \{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_1_TO_RXQUAL_5\} + \end{aligned} $	Average	Average, seccchbh , secrctbh , sectchbh, sectchfrbh

				{Siemens.Correlated_ RXLEV_to_RXQUAL .DL_CORRELATED_ RXLEV_2_TO_RXQ UAL_5} + {Siemens.Correlated_ RXLEV_to_RXQUAL .DL_CORRELATED_ RXLEV_3_TO_RXQ UAL_5} + {Siemens.Correlated_ RXLEV_to_RXQUAL .DL_CORRELATED_ RXLEV_4_TO_RXQ UAL_5} + {Siemens.Correlated_ RXLEV_to_RXQUAL .DL_CORRELATED_ RXLEV_5_TO_RXQ UAL_5} + {Siemens.Correlated_ RXLEV_to_RXQUAL .DL_CORRELATED_ RXLEV_6_TO_RXQ UAL_5} + {Siemens.Correlated_ RXLEV_to_RXQUAL .DL_CORRELATED_ RXLEV_7_TO_RXQ UAL_5})/ {TRX_DL_denom}		
%_RXQUAL_ DL_DIST_Ban d_6	PERCENTA GE	FLOA T	RXQUAL DL Dist Band 6	100 * ({Siemens.Correlated_ RXLEV_to_RXQUAL .DL_CORRELATED_ RXLEV_0_TO_RXQ UAL_6} + {Siemens.Correlated_ RXLEV_to_RXQUAL .DL_CORRELATED_ RXLEV_1_TO_RXQ	Average	Average, seccchbh , secrctbh , sectchbh, sectchfrb h

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				UAL_6} + {Siemens.Correlated_ RXLEV_to_RXQUAL .DL_CORRELATED_ RXLEV_2_TO_RXQ UAL_6} + {Siemens.Correlated_ RXLEV_to_RXQUAL .DL_CORRELATED_ RXLEV_3_TO_RXQ UAL_6} + {Siemens.Correlated_ RXLEV_to_RXQUAL .DL_CORRELATED_ RXLEV_4_TO_RXQ UAL_6} + {Siemens.Correlated_ RXLEV_to_RXQUAL .DL_CORRELATED_ RXLEV_5_TO_RXQ UAL_6} + {Siemens.Correlated_ RXLEV_to_RXQUAL .DL_CORRELATED_ RXLEV_6_TO_RXQ UAL_6} + {Siemens.Correlated_ RXLEV_to_RXQUAL .DL_CORRELATED_ RXLEV_7_TO_RXQ UAL_6})/ {TRX_DL_denom}		
%_RXQUAL_ DL_DIST_Ban d_7	PERCENTA GE	FLOA T	RXQUAL DL Dist Band 7	100 * ({Siemens.Correlated_ RXLEV_to_RXQUAL .DL_CORRELATED_ RXLEV_0_TO_RXQ UAL_7} + {Siemens.Correlated_ RXLEV_to_RXQUAL .DL_CORRELATED_ RXLEV_1_TO_RXQ UAL_7} + {Siemens.Correlated_ RXLEV_to_RXQUAL	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrb h

				$\begin{aligned} & .DL_CORRELATED_RXLEV_2_TO_RXQUAL_7\} + \\ & \{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_3_TO_RXQUAL_7\} + \\ & \{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_4_TO_RXQUAL_7\} + \\ & \{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_5_TO_RXQUAL_7\} + \\ & \{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_6_TO_RXQUAL_7\} + \\ & \{Siemens.Correlated_RXLEV_to_RXQUAL_DL_CORRELATED_RXLEV_7_TO_RXQUAL_7\}) / \\ & \{TRX_DL_denom\} \end{aligned}$		
$\%_RXQUAL_UL_DIST_Band_0$	PERCENTAGE	FLOAT	RXQUAL UL Dist Band 0	$100 * \left(\{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_0_TO_RXQUAL_0\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_1_TO_RXQUAL_0\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_2_TO_RXQUAL_0\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_3_TO_RXQUAL_0\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_4_TO_RXQUAL_0\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_5_TO_RXQUAL_0\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_6_TO_RXQUAL_0\} + \{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_7_TO_RXQUAL_0\} \right) / \{TRX_DL_denom\}$	Average	Average, seccchbh, secrctbh, sectchbh, sectchfrbh

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				$ \begin{aligned} & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_2_TO_RXQ} \\ & \text{UAL_0} \} + \\ & \{ \text{Siemens.Correlated} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_3_TO_RXQ} \\ & \text{UAL_0} \} + \\ & \{ \text{Siemens.Correlated} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_4_TO_RXQ} \\ & \text{UAL_0} \} + \\ & \{ \text{Siemens.Correlated} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_5_TO_RXQ} \\ & \text{UAL_0} \} + \\ & \{ \text{Siemens.Correlated} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_6_TO_RXQ} \\ & \text{UAL_0} \} + \\ & \{ \text{Siemens.Correlated} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_7_TO_RXQ} \\ & \text{UAL_0} \} \} / \\ & \{ \text{TRX_UL_denom} \} \end{aligned} $		
$ \frac{\text{\%_RXQUAL_UL_DIST_Band_1}}{\text{PERCENTAGE}} $	PERCENTAGE	FLOAT	RXQUAL UL Dist Band 1	$ \begin{aligned} & 100 * \\ & (\{ \text{Siemens.Correlated} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_0_TO_RXQ} \\ & \text{UAL_1} \} + \\ & \{ \text{Siemens.Correlated} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_1_TO_RXQ} \\ & \text{UAL_1} \} + \\ & \{ \text{Siemens.Correlated} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_2_TO_RXQ} \end{aligned} $	Average	Average, secchbh , secrctbh , sectchbh, sectchfrbh

				$\begin{aligned} & \text{UAL_1} \} + \\ & \{ \text{Siemens.Correlated_RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_RXLEV_3_TO_RXQ} \\ & \text{UAL_1} \} + \\ & \{ \text{Siemens.Correlated_RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_RXLEV_4_TO_RXQ} \\ & \text{UAL_1} \} + \\ & \{ \text{Siemens.Correlated_RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_RXLEV_5_TO_RXQ} \\ & \text{UAL_1} \} + \\ & \{ \text{Siemens.Correlated_RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_RXLEV_6_TO_RXQ} \\ & \text{UAL_1} \} + \\ & \{ \text{Siemens.Correlated_RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_RXLEV_7_TO_RXQ} \\ & \text{UAL_1} \} \} / \\ & \{ \text{TRX_UL_denom} \} \end{aligned}$		
%_RXQUAL_ UL_DIST_Ban d_2	PERCENTA GE	FLOA T	RXQUAL UL Dist Band 2	$\begin{aligned} & 100 * \\ & (\{ \text{Siemens.Correlated_RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_RXLEV_0_TO_RXQ} \\ & \text{UAL_2} \} + \\ & \{ \text{Siemens.Correlated_RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_RXLEV_1_TO_RXQ} \\ & \text{UAL_2} \} + \\ & \{ \text{Siemens.Correlated_RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \end{aligned}$	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrb h

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				$ \begin{aligned} & \text{RXLEV_2_TO_RXQ} \\ & \text{UAL_2} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_3_TO_RXQ} \\ & \text{UAL_2} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_4_TO_RXQ} \\ & \text{UAL_2} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_5_TO_RXQ} \\ & \text{UAL_2} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_6_TO_RXQ} \\ & \text{UAL_2} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_7_TO_RXQ} \\ & \text{UAL_2} \} \} / \\ & \{ \text{TRX_UL_denom} \} \end{aligned} $		
$ \frac{\text{\%_RXQUAL_UL_DIST_Band_3}}{\text{PERCENTAGE}} $	PERCENTAGE	FLOAT	RXQUAL UL Dist Band 3	$ \begin{aligned} & 100 * \\ & (\{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_0_TO_RXQ} \\ & \text{UAL_3} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_1_TO_RXQ} \\ & \text{UAL_3} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_2_TO_RXQ} \\ & \text{UAL_3} \} + \\ & \{ \text{Siemens.Correlated_} \end{aligned} $	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrbh

				$\begin{aligned} & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_3_TO_RXQ} \\ & \text{UAL_3} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_4_TO_RXQ} \\ & \text{UAL_3} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_5_TO_RXQ} \\ & \text{UAL_3} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_6_TO_RXQ} \\ & \text{UAL_3} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_7_TO_RXQ} \\ & \text{UAL_3} \} \} / \\ & \{ \text{TRX_UL_denom} \} \end{aligned}$		
%_RXQUAL_ UL_DIST_Ban d_4	PERCENTA GE	FLOA T	RXQUAL UL Dist Band 4	$\begin{aligned} & 100 * \\ & (\{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_0_TO_RXQ} \\ & \text{UAL_4} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_1_TO_RXQ} \\ & \text{UAL_4} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_2_TO_RXQ} \\ & \text{UAL_4} \} + \end{aligned}$	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrb h

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				$\frac{\begin{aligned} &\{ \text{Siemens.Correlated_RXLEV_to_RXQUAL} \\ &\text{.UL_CORRELATED_RXLEV_3_TO_RXQ} \\ &\text{UAL_4} \} + \\ &\{ \text{Siemens.Correlated_RXLEV_to_RXQUAL} \\ &\text{.UL_CORRELATED_RXLEV_4_TO_RXQ} \\ &\text{UAL_4} \} + \\ &\{ \text{Siemens.Correlated_RXLEV_to_RXQUAL} \\ &\text{.UL_CORRELATED_RXLEV_5_TO_RXQ} \\ &\text{UAL_4} \} + \\ &\{ \text{Siemens.Correlated_RXLEV_to_RXQUAL} \\ &\text{.UL_CORRELATED_RXLEV_6_TO_RXQ} \\ &\text{UAL_4} \} + \\ &\{ \text{Siemens.Correlated_RXLEV_to_RXQUAL} \\ &\text{.UL_CORRELATED_RXLEV_7_TO_RXQ} \\ &\text{UAL_4} \}) / \\ &\{ \text{TRX_UL_denom} \} \end{aligned}}{1}$		
%_RXQUAL_ UL_DIST_Band_5	PERCENTAGE	FLOAT	RXQUAL UL Dist Band 5	$100 * \frac{\begin{aligned} &(\{ \text{Siemens.Correlated_RXLEV_to_RXQUAL} \\ &\text{.UL_CORRELATED_RXLEV_0_TO_RXQ} \\ &\text{UAL_5} \} + \\ &\{ \text{Siemens.Correlated_RXLEV_to_RXQUAL} \\ &\text{.UL_CORRELATED_RXLEV_1_TO_RXQ} \\ &\text{UAL_5} \} + \\ &\{ \text{Siemens.Correlated_RXLEV_to_RXQUAL} \\ &\text{.UL_CORRELATED_RXLEV_2_TO_RXQ} \\ &\text{UAL_5} \} + \\ &\{ \text{Siemens.Correlated_RXLEV_to_RXQUAL} \\ &\text{.UL_CORRELATED_RXLEV_3_TO_RXQ} \\ &\text{UAL_5} \} + \\ &\{ \text{Siemens.Correlated_RXLEV_to_RXQUAL} \\ &\text{.UL_CORRELATED_RXLEV_4_TO_RXQ} \\ &\text{UAL_5} \} + \\ &\{ \text{Siemens.Correlated_RXLEV_to_RXQUAL} \\ &\text{.UL_CORRELATED_RXLEV_5_TO_RXQ} \\ &\text{UAL_5} \} + \\ &\{ \text{Siemens.Correlated_RXLEV_to_RXQUAL} \\ &\text{.UL_CORRELATED_RXLEV_6_TO_RXQ} \\ &\text{UAL_5} \} + \\ &\{ \text{Siemens.Correlated_RXLEV_to_RXQUAL} \\ &\text{.UL_CORRELATED_RXLEV_7_TO_RXQ} \\ &\text{UAL_5} \}) / \\ &\{ \text{TRX_UL_denom} \} \end{aligned}}{1}$	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrbh

				$\begin{aligned} & \text{RXLEV_3_TO_RXQ} \\ & \text{UAL_5} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_4_TO_RXQ} \\ & \text{UAL_5} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_5_TO_RXQ} \\ & \text{UAL_5} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_6_TO_RXQ} \\ & \text{UAL_5} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_7_TO_RXQ} \\ & \text{UAL_5} \}) / \\ & \{ \text{TRX_UL_denom} \} \end{aligned}$		
%_RXQUAL_ UL_DIST_Ban d_6	PERCENTA GE	FLOA T	RXQUAL UL Dist Band 6	$\begin{aligned} & 100 * \\ & (\{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_0_TO_RXQ} \\ & \text{UAL_6} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_1_TO_RXQ} \\ & \text{UAL_6} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \\ & \text{.UL_CORRELATED_} \\ & \text{RXLEV_2_TO_RXQ} \\ & \text{UAL_6} \} + \\ & \{ \text{Siemens.Correlated_} \\ & \text{RXLEV_to_RXQUAL} \end{aligned}$	Average	Average, seccchbh , seclctbh , sectchbh, sectchfrb h

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				.UL_CORRELATED_RXLEV_3_TO_RXQUAL_6} + {Siemens.Correlated_RXLEV_to_RXQUAL .UL_CORRELATED_RXLEV_4_TO_RXQUAL_6} + {Siemens.Correlated_RXLEV_to_RXQUAL .UL_CORRELATED_RXLEV_5_TO_RXQUAL_6} + {Siemens.Correlated_RXLEV_to_RXQUAL .UL_CORRELATED_RXLEV_6_TO_RXQUAL_6} + {Siemens.Correlated_RXLEV_to_RXQUAL .UL_CORRELATED_RXLEV_7_TO_RXQUAL_6})/ {TRX_UL_denom}		
%_RXQUAL_UL_DIST_Band_7	PERCENTAGE	FLOAT	RXQUAL UL Dist Band 7	100 * ({Siemens.Correlated_RXLEV_to_RXQUAL .UL_CORRELATED_RXLEV_0_TO_RXQUAL_7} + {Siemens.Correlated_RXLEV_to_RXQUAL .UL_CORRELATED_RXLEV_1_TO_RXQUAL_7} + {Siemens.Correlated_RXLEV_to_RXQUAL .UL_CORRELATED_RXLEV_2_TO_RXQUAL_7} + {Siemens.Correlated_RXLEV_to_RXQUAL .UL_CORRELATED_RXLEV_3_TO_RXQUAL_7} +	Average	Average, seccchbh , secrctbh , sectchbh, sectchfrbh

				$\frac{\{ \text{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_4_TO_RXQUAL_7} \} + \{ \text{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_5_TO_RXQUAL_7} \} + \{ \text{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_6_TO_RXQUAL_7} \} + \{ \text{Siemens.Correlated_RXLEV_to_RXQUAL_UL_CORRELATED_RXLEV_7_TO_RXQUAL_7} \}}{\{ \text{TRX_UL_denom} \}}$		
TRX_DL_denom	ACCUMULATION	INTEGER	TRX_DL_denom	$\text{SCANCTRX_CRXLVQUD.CRXLEQTA_65} + \text{CRXLEQTA_66} + \text{CRXLEQTA_67} + \text{CRXLEQTA_68} + \text{CRXLEQTA_69} + \text{CRXLEQTA_70} + \text{CRXLEQTA_71} + \text{CRXLEQTA_72} + \text{CRXLEQTA_73} + \text{CRXLEQTA_74} + \text{CRXLEQTA_75} + \text{CRXLEQTA_76} + \text{CRXLEQTA_77} + \text{CRXLEQTA_78} + \text{CRXLEQTA_79} + \text{CRXLEQTA_80} + \text{CRXLEQTA_81} + \text{CRXLEQTA_82} + \text{CRXLEQTA_83} + \text{CRXLEQTA_84} + \text{CRXLEQTA_85} + \text{CRXLEQTA_86} + \text{CRXLEQTA_87} +$	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum

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				CRXLEQTA_88+CRXLEQTA_89+CRXLEQTA_90+CRXLEQTA_91+CRXLEQTA_92+CRXLEQTA_93+CRXLEQTA_94+CRXLEQTA_95+CRXLEQTA_96+CRXLEQTA_97+CRXLEQTA_98+CRXLEQTA_99+CRXLEQTA_100+CRXLEQTA_101+CRXLEQTA_102+CRXLEQTA_103+CRXLEQTA_104+CRXLEQTA_105+CRXLEQTA_106+CRXLEQTA_107+CRXLEQTA_108+CRXLEQTA_109+CRXLEQTA_110+CRXLEQTA_111+CRXLEQTA_112+CRXLEQTA_113+CRXLEQTA_114+CRXLEQTA_115+CRXLEQTA_116+CRXLEQTA_117+CRXLEQTA_118+CRXLEQTA_119+CRXLEQTA_120+CRXLEQTA_121+CRXLEQTA_122+CRXLEQTA_123+CRXLEQTA_124+CRXLEQTA_125+CRXLEQTA_126+CRXLEQTA_127+CRXLEQTA_128		
TRX_UL_denom	ACCUMULATION	INTEGER	TRX_UL_denom	SCANCTRX_CRXLVQUU.CRXLEQTA_1 + CRXLEQTA_2 + CRXLEQTA_3 + CRXLEQTA_4 + CRXLEQTA_5 + CRXLEQTA_6 + CRXLEQTA_7 + CRXLEQTA_8 + CRXLEQTA_9 +	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum

				CRXLEQTA_10 + CRXLEQTA_11 + CRXLEQTA_12 + CRXLEQTA_13 + CRXLEQTA_14 + CRXLEQTA_15 + CRXLEQTA_16 + CRXLEQTA_17 + CRXLEQTA_18 + CRXLEQTA_19 + CRXLEQTA_20 + CRXLEQTA_21 + CRXLEQTA_22 + CRXLEQTA_23 + CRXLEQTA_24 + CRXLEQTA_25 + CRXLEQTA_26 + CRXLEQTA_27 + CRXLEQTA_28 + CRXLEQTA_29 + CRXLEQTA_30 + CRXLEQTA_31 + CRXLEQTA_32 + CRXLEQTA_33 + CRXLEQTA_34 + CRXLEQTA_35 + CRXLEQTA_36 + CRXLEQTA_37 + CRXLEQTA_38 + CRXLEQTA_39 + CRXLEQTA_40 + CRXLEQTA_41 + CRXLEQTA_42 + CRXLEQTA_43 + CRXLEQTA_44 + CRXLEQTA_45 + CRXLEQTA_46 + CRXLEQTA_47 + CRXLEQTA_48 + CRXLEQTA_49 + CRXLEQTA_50 +		
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				CRXLEQTA_51 + CRXLEQTA_52 + CRXLEQTA_53 + CRXLEQTA_54 + CRXLEQTA_55 + CRXLEQTA_56 + CRXLEQTA_57 + CRXLEQTA_58 + CRXLEQTA_59 + CRXLEQTA_60 + CRXLEQTA_61 + CRXLEQTA_62 + CRXLEQTA_63 + CRXLEQTA_64		
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7.12.2 TRX.Siemens.GSM.Correlated_RXLEV_to_RXQUAL

Transceiver Measurements- RXLEV correlated to RXQUAL

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
DL_CORRELATED_RXLEV_0_TO_RXQUAL_0	ACCUMULATION	INT8	Correlated RXLEV to RXQUAL RXLEVred Range 0 - RXQUAL Range 0 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_65	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_0_TO_RXQUAL_1	ACCUMULATION	INT8	Correlated RXLEV to RXQUAL RXLEVred Range 0 - RXQUAL Range 1 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_66	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_0_TO_RXQUAL_2	ACCUMULATION	INT8	Correlated RXLEV to RXQUAL RXLEVred Range 0 - RXQUAL Range 2 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_67	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum

DL_CORRELATED_RXLEV_0_TO_RXQUAL_3	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 0 - RXQUAL Range 3 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_68	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_0_TO_RXQUAL_4	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 0 - RXQUAL Range 4 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_69	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_0_TO_RXQUAL_5	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 0 - RXQUAL Range 5 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_70	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_0_TO_RXQUAL_6	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 0 - RXQUAL Range 6 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_71	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_0_TO_RXQUAL_7	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 0 - RXQUAL Range 7 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_72	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_1_TO_RX	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL	SCANCTRX_CRXLVQUD.CRXLEQTA_73	Sum	seccchbh , seclctbh

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QUAL_0			RXLEVred Range 1 - RXQUAL Range 0 (Downlink)			, sectchbh, sectchfrb h, Sum
DL_CORREL ATED_RXLE V_1_TO_RX QUAL_1	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 1 - RXQUAL Range 1 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_ 74	Sum	seccchbh , secrletbh , sectchbh, sectchfrb h, Sum
DL_CORREL ATED_RXLE V_1_TO_RX QUAL_2	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 1 - RXQUAL Range 2 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_ 75	Sum	seccchbh , secrletbh , sectchbh, sectchfrb h, Sum
DL_CORREL ATED_RXLE V_1_TO_RX QUAL_3	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 1 - RXQUAL Range 3 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_ 76	Sum	seccchbh , secrletbh , sectchbh, sectchfrb h, Sum
DL_CORREL ATED_RXLE V_1_TO_RX QUAL_4	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 1 - RXQUAL Range 4 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_ 77	Sum	seccchbh , secrletbh , sectchbh, sectchfrb h, Sum
DL_CORREL ATED_RXLE V_1_TO_RX QUAL_5	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 1 - RXQUAL Range 5 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_ 78	Sum	seccchbh , secrletbh , sectchbh, sectchfrb h, Sum
DL_CORREL ATED_RXLE V_1_TO_RX	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL	SCANCTRX_CRXL VQUD.CRXLEQTA_ 79	Sum	seccchbh , secrletbh

QUAL_6			RXLEVred Range 1 - RXQUAL Range 6 (Downlink)			, sectchbh, sectchfrb h, Sum
DL_CORREL ATED_RXLE V_1_TO_RX QUAL_7	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 1 - RXQUAL Range 7 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_ 80	Sum	seccchbh , secrletbh , sectchbh, sectchfrb h, Sum
DL_CORREL ATED_RXLE V_2_TO_RX QUAL_0	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 2 - RXQUAL Range 0 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_ 81	Sum	seccchbh , secrletbh , sectchbh, sectchfrb h, Sum
DL_CORREL ATED_RXLE V_2_TO_RX QUAL_1	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 2 - RXQUAL Range 1 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_ 82	Sum	seccchbh , secrletbh , sectchbh, sectchfrb h, Sum
DL_CORREL ATED_RXLE V_2_TO_RX QUAL_2	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 2 - RXQUAL Range 2 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_ 83	Sum	seccchbh , secrletbh , sectchbh, sectchfrb h, Sum
DL_CORREL ATED_RXLE V_2_TO_RX QUAL_3	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 2 - RXQUAL Range	SCANCTRX_CRXL VQUD.CRXLEQTA_ 84	Sum	seccchbh , secrletbh , sectchbh, sectchfrb

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			3 (Downlink)			h, Sum
DL_CORRELATED_RXLEV_2_TO_RXQUAL_4	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 2 - RXQUAL Range 4 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_85	Sum	seccchbh , secrletbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_2_TO_RXQUAL_5	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 2 - RXQUAL Range 5 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_86	Sum	seccchbh , secrletbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_2_TO_RXQUAL_6	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 2 - RXQUAL Range 6 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_87	Sum	seccchbh , secrletbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_2_TO_RXQUAL_7	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 2 - RXQUAL Range 7 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_88	Sum	seccchbh , secrletbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_3_TO_RXQUAL_0	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 3 - RXQUAL Range 0 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_89	Sum	seccchbh , secrletbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_3_TO_RXQUAL_1	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 3 - RXQUAL Range	SCANCTRX_CRXLVQUD.CRXLEQTA_90	Sum	seccchbh , secrletbh , sectchbh, sectchfrbh

			1 (Downlink)			h, Sum
DL_CORRELATED_RXLEV_3_TO_RXQUAL_2	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 3 - RXQUAL Range 2 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_91	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_3_TO_RXQUAL_3	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 3 - RXQUAL Range 3 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_92	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_3_TO_RXQUAL_4	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 3 - RXQUAL Range 4 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_93	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_3_TO_RXQUAL_5	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 3 - RXQUAL Range 5 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_94	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_3_TO_RXQUAL_6	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 3 - RXQUAL Range 6 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_95	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV	ACCUMULATION	INT 8	Correlated RXLEV to	SCANCTRX_CRXLVQUD.CRXLEQTA_	Sum	seccchbh ,

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V_3_TO_RX QUAL_7			RXQUAL RXLEVred Range 3 - RXQUAL Range 7 (Downlink)	96		seclctbh , sectchbh, sectchfrb h, Sum
DL_CORREL ATED_RXLE V_4_TO_RX QUAL_0	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 4 - RXQUAL Range 0 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_ 97	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
DL_CORREL ATED_RXLE V_4_TO_RX QUAL_1	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 4 - RXQUAL Range 1 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_ 98	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
DL_CORREL ATED_RXLE V_4_TO_RX QUAL_2	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 4 - RXQUAL Range 2 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_ 99	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
DL_CORREL ATED_RXLE V_4_TO_RX QUAL_3	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 4 - RXQUAL Range 3 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_ 100	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
DL_CORREL ATED_RXLE V_4_TO_RX QUAL_4	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 4 - RXQUAL Range 4 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_ 101	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
DL_CORREL ATED_RXLE	ACCUMULA TION	INT 8	Correlated RXLEV to	SCANCTRX_CRXL VQUD.CRXLEQTA_	Sum	seccchbh ,

V_4_TO_RX QUAL_5			RXQUAL RXLEVred Range 4 - RXQUAL Range 5 (Downlink)	102		seclctbh , sectchbh, sectchfrb h, Sum
DL_CORREL ATED_RXLE V_4_TO_RX QUAL_6	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 4 - RXQUAL Range 6 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_ 103	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
DL_CORREL ATED_RXLE V_4_TO_RX QUAL_7	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 4 - RXQUAL Range 7 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_ 104	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
DL_CORREL ATED_RXLE V_5_TO_RX QUAL_0	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 5 - RXQUAL Range 0 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_ 105	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
DL_CORREL ATED_RXLE V_5_TO_RX QUAL_1	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 5 - RXQUAL Range 1 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_ 106	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
DL_CORREL ATED_RXLE V_5_TO_RX QUAL_2	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 5 -	SCANCTRX_CRXL VQUD.CRXLEQTA_ 107	Sum	seccchbh , seclctbh , sectchbh,

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			RXQUAL Range 2 (Downlink)			sectchfrbh, Sum
DL_CORRELATED_RXLEV_5_TO_RXQUAL_3	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 5 - RXQUAL Range 3 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_108	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_5_TO_RXQUAL_4	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 5 - RXQUAL Range 4 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_109	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_5_TO_RXQUAL_5	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 5 - RXQUAL Range 5 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_110	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_5_TO_RXQUAL_6	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 5 - RXQUAL Range 6 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_111	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_5_TO_RXQUAL_7	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 5 - RXQUAL Range 7 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_112	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_6_TO_RXQUAL_0	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 6 -	SCANCTRX_CRXLVQUD.CRXLEQTA_113	Sum	seccchbh, secrctbh, sectchbh,

			RXQUAL Range 0 (Downlink)			sectchfrbh, Sum
DL_CORRELATED_RXLEV_6_TO_RXQUAL_1	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 6 - RXQUAL Range 1 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_114	Sum	seccchbh, secrldtcbh, sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_6_TO_RXQUAL_2	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 6 - RXQUAL Range 2 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_115	Sum	seccchbh, secrldtcbh, sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_6_TO_RXQUAL_3	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 6 - RXQUAL Range 3 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_116	Sum	seccchbh, secrldtcbh, sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_6_TO_RXQUAL_4	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 6 - RXQUAL Range 4 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_117	Sum	seccchbh, secrldtcbh, sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_6_TO_RXQUAL_5	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 6 - RXQUAL Range 5 (Downlink)	SCANCTRX_CRXLVQUD.CRXLEQTA_118	Sum	seccchbh, secrldtcbh, sectchbh, sectchfrbh, Sum
DL_CORREL	ACCUMULATION	INT	Correlated	SCANCTRX_CRXL	Sum	seccchbh

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ATED_RXLEV_6_TO_RXQUAL_6	TION	8	RXLEV to RXQUAL RXLEVred Range 6 - RXQUAL Range 6 (Downlink)	VQUD.CRXLEQTA_119		, secrletbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_6_TO_RXQUAL_7	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 6 - RXQUAL Range 7 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_120	Sum	seccchbh , secrletbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_7_TO_RXQUAL_0	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 7 - RXQUAL Range 0 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_121	Sum	seccchbh , secrletbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_7_TO_RXQUAL_1	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 7 - RXQUAL Range 1 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_122	Sum	seccchbh , secrletbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_7_TO_RXQUAL_2	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 7 - RXQUAL Range 2 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_123	Sum	seccchbh , secrletbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_7_TO_RXQUAL_3	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 7 - RXQUAL Range 3 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_124	Sum	seccchbh , secrletbh , sectchbh, sectchfrbh, Sum
DL_CORREL	ACCUMULATION	INT	Correlated	SCANCTRX_CRXL	Sum	seccchbh

ATED_RXLEV_7_TO_RXQUAL_4	TION	8	RXLEV to RXQUAL RXLEVred Range 7 - RXQUAL Range 4 (Downlink)	VQUD.CRXLEQTA_125		, secrletbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_7_TO_RXQUAL_5	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 7 - RXQUAL Range 5 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_126	Sum	seccchbh , secrletbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_7_TO_RXQUAL_6	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 7 - RXQUAL Range 6 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_127	Sum	seccchbh , secrletbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_7_TO_RXQUAL_7	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 7 - RXQUAL Range 7 (Downlink)	SCANCTRX_CRXL VQUD.CRXLEQTA_128	Sum	seccchbh , secrletbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_0_TO_RXQUAL_0	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 0 - RXQUAL Range 0 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_1	Sum	seccchbh , secrletbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_0_TO_RXQUAL_1	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred	SCANCTRX_CRXL VQUU.CRXLEQTA_2	Sum	seccchbh , secrletbh

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			Range 0 - RXQUAL Range 1 (Uplink)			sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_0_TO_RX QUAL_2	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUALRXLE Vred Range 0 - RXQUAL Range 2 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 3	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_0_TO_RX QUAL_3	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 0 - RXQUAL Range 3 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 4	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_0_TO_RX QUAL_4	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 0 - RXQUAL Range 4 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 5	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_0_TO_RX QUAL_5	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 0 - RXQUAL Range 5 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 6	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_0_TO_RX QUAL_6	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 0 - RXQUAL Range 6 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 7	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_0_TO_RX QUAL_7	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred	SCANCTRX_CRXL VQUU.CRXLEQTA_ 8	Sum	seccchbh , seclctbh ,

			Range 0 - RXQUAL Range 7 (Uplink)			sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_1_TO_RX QUAL_0	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 1 - RXQUAL Range 0 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 9	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_1_TO_RX QUAL_1	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 1 - RXQUAL Range 1 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 10	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_1_TO_RX QUAL_2	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 1 - RXQUAL Range 2 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 11	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_1_TO_RX QUAL_3	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 1 - RXQUAL Range 3 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 12	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_1_TO_RX QUAL_4	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 1 - RXQUAL Range 4 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 13	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum

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UL_CORRELATED_RXLEV_1_TO_RXQUAL_5	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 1 - RXQUAL Range 5 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_14	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_1_TO_RXQUAL_6	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 1 - RXQUAL Range 6 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_15	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_1_TO_RXQUAL_7	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 1 - RXQUAL Range 7 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_16	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_2_TO_RXQUAL_0	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 2 - RXQUAL Range 0 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_17	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_2_TO_RXQUAL_1	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 2 - RXQUAL Range 1 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_18	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_2_TO_RXQUAL_2	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 2 - RXQUAL Range 2 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_19	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum

UL_CORRELATED_RXLEV_2_TO_RXQUAL_3	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 2 - RXQUAL Range 3 (Uplink)	SCANCTRX_CRXLVQUU.CRXLEQTA_20	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_2_TO_RXQUAL_4	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 2 - RXQUAL Range 4 (Uplink)	SCANCTRX_CRXLVQUU.CRXLEQTA_21	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_2_TO_RXQUAL_5	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 2 - RXQUAL Range 5 (Uplink)	SCANCTRX_CRXLVQUU.CRXLEQTA_22	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_2_TO_RXQUAL_6	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 2 - RXQUAL Range 6 (Uplink)	SCANCTRX_CRXLVQUU.CRXLEQTA_23	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_2_TO_RXQUAL_7	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 2 - RXQUAL Range 7 (Uplink)	SCANCTRX_CRXLVQUU.CRXLEQTA_24	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_3_TO_RX	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL	SCANCTRX_CRXLVQUU.CRXLEQTA_25	Sum	seccchbh , seclctbh

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QUAL_0			RXLEVred Range 3 - RXQUAL Range 0 (Uplink)			, sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_3_TO_RX QUAL_1	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 3 - RXQUAL Range 1 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 26	Sum	seccchbh , secrletbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_3_TO_RX QUAL_2	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 3 - RXQUAL Range 2 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 27	Sum	seccchbh , secrletbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_3_TO_RX QUAL_3	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 3 - RXQUAL Range 3 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 28	Sum	seccchbh , secrletbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_3_TO_RX QUAL_4	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 3 - RXQUAL Range 4 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 29	Sum	seccchbh , secrletbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_3_TO_RX QUAL_5	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 3 - RXQUAL Range 5 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 30	Sum	seccchbh , secrletbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_3_TO_RX	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL	SCANCTRX_CRXL VQUU.CRXLEQTA_ 31	Sum	seccchbh , secrletbh

QUAL_6			RXLEVred Range 3 - RXQUAL Range 6 (Uplink)			, sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_3_TO_RX QUAL_7	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 3 - RXQUAL Range 7 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 32	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_4_TO_RX QUAL_0	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 4 - RXQUAL Range 0 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 33	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_4_TO_RX QUAL_1	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 4 - RXQUAL Range 1 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 34	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_4_TO_RX QUAL_2	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 4 - RXQUAL Range 2 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 35	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_4_TO_RX QUAL_3	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 4 - RXQUAL Range	SCANCTRX_CRXL VQUU.CRXLEQTA_ 36	Sum	seccchbh , seclctbh , sectchbh, sectchfrb

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			3 (Uplink)			h, Sum
UL_CORRELATED_RXLEV_4_TO_RXQUAL_4	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 4 - RXQUAL Range 4 (Uplink)	SCANCTRX_CRXLVQUU.CRXLEQTA_37	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_4_TO_RXQUAL_5	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 4 - RXQUAL Range 5 (Uplink)	SCANCTRX_CRXLVQUU.CRXLEQTA_38	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_4_TO_RXQUAL_6	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 4 - RXQUAL Range 6 (Uplink)	SCANCTRX_CRXLVQUU.CRXLEQTA_39	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_4_TO_RXQUAL_7	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 4 - RXQUAL Range 7 (Uplink)	SCANCTRX_CRXLVQUU.CRXLEQTA_40	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_5_TO_RXQUAL_0	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 5 - RXQUAL Range 0 (Uplink)	SCANCTRX_CRXLVQUU.CRXLEQTA_41	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_5_TO_RXQUAL_1	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 5 - RXQUAL Range	SCANCTRX_CRXLVQUU.CRXLEQTA_42	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh

			1 (Uplink)			h, Sum
UL_CORRELATED_RXLEV_5_TO_RXQUAL_2	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 5 - RXQUAL Range 2 (Uplink)	SCANCTRX_CRXLVQUU.CRXLEQTA_43	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_5_TO_RXQUAL_3	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 5 - RXQUAL Range 3 (Uplink)	SCANCTRX_CRXLVQUU.CRXLEQTA_44	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_5_TO_RXQUAL_4	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 5 - RXQUAL Range 4 (Uplink)	SCANCTRX_CRXLVQUU.CRXLEQTA_45	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_5_TO_RXQUAL_5	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 5 - RXQUAL Range 5 (Uplink)	SCANCTRX_CRXLVQUU.CRXLEQTA_46	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_5_TO_RXQUAL_6	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 5 - RXQUAL Range 6 (Uplink)	SCANCTRX_CRXLVQUU.CRXLEQTA_47	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV	ACCUMULATION	INT 8	Correlated RXLEV to	SCANCTRX_CRXLVQUU.CRXLEQTA_	Sum	seccchbh ,

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V_5_TO_RX QUAL_7			RXQUAL RXLEVred Range 5 - RXQUAL Range 7 (Uplink)	48		seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_6_TO_RX QUAL_0	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 6 - RXQUAL Range 0 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 49	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_6_TO_RX QUAL_1	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 6 - RXQUAL Range 1 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 50	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_6_TO_RX QUAL_2	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 6 - RXQUAL Range 2 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 51	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_6_TO_RX QUAL_3	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 6 - RXQUAL Range 3 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 52	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_6_TO_RX QUAL_4	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 6 - RXQUAL Range 4 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 53	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE	ACCUMULA TION	INT 8	Correlated RXLEV to	SCANCTRX_CRXL VQUU.CRXLEQTA_	Sum	seccchbh ,

V_6_TO_RX QUAL_5			RXQUAL RXLEVred Range 6 - RXQUAL Range 5 (Uplink)	54		seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_6_TO_RX QUAL_6	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 6 - RXQUAL Range 6 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 55	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_6_TO_RX QUAL_7	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 6 - RXQUAL Range 7 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 56	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_7_TO_RX QUAL_0	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 7 - RXQUAL Range 0 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 57	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_7_TO_RX QUAL_1	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 7 - RXQUAL Range 1 (Uplink)	SCANCTRX_CRXL VQUU.CRXLEQTA_ 58	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORREL ATED_RXLE V_7_TO_RX QUAL_2	ACCUMULA TION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 7 -	SCANCTRX_CRXL VQUU.CRXLEQTA_ 59	Sum	seccchbh , seclctbh , sectchbh,

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			RXQUAL Range 2 (Uplink)			sectchfrbh, Sum
UL_CORRELATED_RXLEV_7_TO_RXQUAL_3	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 7 - RXQUAL Range 3 (Uplink)	SCANCTRX_CRXLVQUU.CRXLEQTA_60	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_7_TO_RXQUAL_4	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 7 - RXQUAL Range 4 (Uplink)	SCANCTRX_CRXLVQUU.CRXLEQTA_61	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_7_TO_RXQUAL_5	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 7 - RXQUAL Range 5 (Uplink)	SCANCTRX_CRXLVQUU.CRXLEQTA_62	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_7_TO_RXQUAL_6	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 7 - RXQUAL Range 6 (Uplink)	SCANCTRX_CRXLVQUU.CRXLEQTA_63	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_7_TO_RXQUAL_7	ACCUMULATION	INT 8	Correlated RXLEV to RXQUAL RXLEVred Range 7 - RXQUAL Range 7 (Uplink)	SCANCTRX_CRXLVQUU.CRXLEQTA_64	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum

7.12.3 TRX.Siemens.GSM.FER_correlated_to_RXQUAL

Transceiver Measurements- FER correlated to RXQUAL UL

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
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UL_CORRELATED_FER_0_TO_RXQUAL_0	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 0 - RXQUAL Range 0	SCANCTRX_CFERRXQU.CRXLEQTA_257	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_0_TO_RXQUAL_1	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 0 - RXQUAL Range 1	SCANCTRX_CFERRXQU.CRXLEQTA_258	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_0_TO_RXQUAL_2	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 0 - RXQUAL Range 2	SCANCTRX_CFERRXQU.CRXLEQTA_259	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_0_TO_RXQUAL_3	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 0 - RXQUAL Range 3	SCANCTRX_CFERRXQU.CRXLEQTA_260	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_0_TO_RXQUAL_4	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 0 - RXQUAL Range 4	SCANCTRX_CFERRXQU.CRXLEQTA_261	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_0_TO_RXQUAL_5	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 0 - RXQUAL Range 5	SCANCTRX_CFERRXQU.CRXLEQTA_262	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum

UL_CORRELATED_FER_0_TO_RXQUAL_6	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 0 - RXQUAL Range 6	SCANCTRX_CFERRXQU.CRXLEQTA_263	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_0_TO_RXQUAL_7	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 0 - RXQUAL Range 7	SCANCTRX_CFERRXQU.CRXLEQTA_264	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_1_TO_RXQUAL_0	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 1 - RXQUAL Range 0	SCANCTRX_CFERRXQU.CRXLEQTA_265	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_1_TO_RXQUAL_1	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 1 - RXQUAL Range 1	SCANCTRX_CFERRXQU.CRXLEQTA_266	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_1_TO_RXQUAL_2	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 1 - RXQUAL Range 2	SCANCTRX_CFERRXQU.CRXLEQTA_267	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_1_TO_RXQUAL_3	ACCUMULATION	INT8	Correlated FER to RXQUAL	SCANCTRX_CFERRXQU.CRXLEQTA_268	Sum	seccchbh , seclctbh

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			uplink - FER Range 1 - RXQUAL Range 3			, sectchbh, sectchfrb h, Sum
UL_CORRELA TED_FER_1_T O_RXQUAL_4	ACCUMULA TION	INT8	Correlated FER to RXQUAL uplink - FER Range1 - RXQUAL Range 4	SCANCTRX_CFERR XQU.CRXLEQTA_26 9	Sum	seccchbh , secrldtch , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_FER_1_T O_RXQUAL_5	ACCUMULA TION	INT8	Correlated FER to RXQUAL uplink - FER Range 1 - RXQUAL Range 5	SCANCTRX_CFERR XQU.CRXLEQTA_27 0	Sum	seccchbh , secrldtch , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_FER_1_T O_RXQUAL_6	ACCUMULA TION	INT8	Correlated FER to RXQUAL uplink - FER Range 1 - RXQUAL Range 6	SCANCTRX_CFERR XQU.CRXLEQTA_27 1	Sum	seccchbh , secrldtch , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_FER_1_T O_RXQUAL_7	ACCUMULA TION	INT8	Correlated FER to RXQUAL uplink - FER Range 1 - RXQUAL Range 7	SCANCTRX_CFERR XQU.CRXLEQTA_27 2	Sum	seccchbh , secrldtch , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_FER_2_T O_RXQUAL_0	ACCUMULA TION	INT8	Correlated FER to RXQUAL uplink - FER Range 2 - RXQUAL Range 0	SCANCTRX_CFERR XQU.CRXLEQTA_27 3	Sum	seccchbh , secrldtch , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_FER_2_T O_RXQUAL_1	ACCUMULA TION	INT8	Correlated FER to RXQUAL	SCANCTRX_CFERR XQU.CRXLEQTA_27 4	Sum	seccchbh , secrldtch

			uplink - FER Range 2 - RXQUAL Range 1			, sectchbh, sectchfrb h, Sum
UL_CORRELATED_FER_2_TO_RXQUAL_2	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 2 - RXQUAL Range 2	SCANCTRX_CFERR XQU.CRXLEQTA_27 5	Sum	seccchbh , secrctbh , sectchbh, sectchfrb h, Sum
UL_CORRELATED_FER_2_TO_RXQUAL_3	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 2 - RXQUAL Range 3	SCANCTRX_CFERR XQU.CRXLEQTA_27 6	Sum	seccchbh , secrctbh , sectchbh, sectchfrb h, Sum
UL_CORRELATED_FER_2_TO_RXQUAL_4	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range2- RXQUAL Range 4	SCANCTRX_CFERR XQU.CRXLEQTA_27 7	Sum	seccchbh , secrctbh , sectchbh, sectchfrb h, Sum
UL_CORRELATED_FER_2_TO_RXQUAL_5	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 2 - RXQUAL Range 5	SCANCTRX_CFERR XQU.CRXLEQTA_27 8	Sum	seccchbh , secrctbh , sectchbh, sectchfrb h, Sum
UL_CORRELATED_FER_2_TO_RXQUAL_6	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 2 - RXQUAL	SCANCTRX_CFERR XQU.CRXLEQTA_27 9	Sum	seccchbh , secrctbh , sectchbh, sectchfrb

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			Range 6			h, Sum
UL_CORRELATED_FER_2_TO_RXQUAL_7	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 2 - RXQUAL Range 7	SCANCTRX_CFERRXQU.CRXLEQTA_280	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_3_TO_RXQUAL_0	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 3 - RXQUAL Range 0	SCANCTRX_CFERRXQU.CRXLEQTA_281	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_3_TO_RXQUAL_1	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 3 - RXQUAL Range 1	SCANCTRX_CFERRXQU.CRXLEQTA_282	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_3_TO_RXQUAL_2	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 3 - RXQUAL Range 2	SCANCTRX_CFERRXQU.CRXLEQTA_283	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_3_TO_RXQUAL_3	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 3 - RXQUAL Range 3	SCANCTRX_CFERRXQU.CRXLEQTA_284	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_3_TO_RXQUAL_4	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 3 RXQUAL	SCANCTRX_CFERRXQU.CRXLEQTA_285	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh

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O_RXQUAL_2			RXQUAL uplink - FER Range 4 - RXQUAL Range 2	1		seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_FER_4_T O_RXQUAL_3	ACCUMULA TION	INT8	Correlated FER to RXQUAL uplink - FER Range 4 - RXQUAL Range 3	SCANCTRX_CFERR XQU.CRXLEQTA_29 2	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_FER_4_T O_RXQUAL_4	ACCUMULA TION	INT8	Correlated FER to RXQUAL uplink - FER Range 4 RXQUAL Range 4	SCANCTRX_CFERR XQU.CRXLEQTA_29 3	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_FER_4_T O_RXQUAL_5	ACCUMULA TION	INT8	Correlated FER to RXQUAL uplink - FER Range 4 - RXQUAL Range 5	SCANCTRX_CFERR XQU.CRXLEQTA_29 4	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_FER_4_T O_RXQUAL_6	ACCUMULA TION	INT8	Correlated FER to RXQUAL uplink - FER Range 4 - RXQUAL Range 6	SCANCTRX_CFERR XQU.CRXLEQTA_29 5	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_FER_4_T O_RXQUAL_7	ACCUMULA TION	INT8	Correlated FER to RXQUAL uplink - FER Range 4 - RXQUAL Range 7	SCANCTRX_CFERR XQU.CRXLEQTA_29 6	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_FER_5_T	ACCUMULA TION	INT8	Correlated FER to	SCANCTRX_CFERR XQU.CRXLEQTA_29	Sum	seccchbh ,

O_RXQUAL_0			RXQUAL uplink - FER Range 5 - RXQUAL Range 0	7		seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_FER_5_T O_RXQUAL_1	ACCUMULA TION	INT8	Correlated FER to RXQUAL uplink - FER Range 5 - RXQUAL Range 1	SCANCTRX_CFERR XQU.CRXLEQTA_29 8	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_FER_5_T O_RXQUAL_2	ACCUMULA TION	INT8	Correlated FER to RXQUAL uplink - FER Range 5 - RXQUAL Range 2	SCANCTRX_CFERR XQU.CRXLEQTA_29 9	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_FER_5_T O_RXQUAL_3	ACCUMULA TION	INT8	Correlated FER to RXQUAL uplink - FER Range 5 - RXQUAL Range 3	SCANCTRX_CFERR XQU.CRXLEQTA_30 0	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_FER_5_T O_RXQUAL_4	ACCUMULA TION	INT8	Correlated FER to RXQUAL uplink - FER Range 5 RXQUAL Range 4	SCANCTRX_CFERR XQU.CRXLEQTA_30 1	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_FER_5_T O_RXQUAL_5	ACCUMULA TION	INT8	Correlated FER to RXQUAL uplink - FER Range 5 -	SCANCTRX_CFERR XQU.CRXLEQTA_30 2	Sum	seccchbh , seclctbh , sectchbh,

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			RXQUAL Range 5			sectchfrbh, Sum
UL_CORRELATED_FER_5_TO_RXQUAL_6	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 5 - RXQUAL Range 6	SCANCTRX_CFERRXQU.CRXLEQTA_303	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_5_TO_RXQUAL_7	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 5 - RXQUAL Range 7	SCANCTRX_CFERRXQU.CRXLEQTA_304	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_6_TO_RXQUAL_0	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 6 - RXQUAL Range 0	SCANCTRX_CFERRXQU.CRXLEQTA_305	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_6_TO_RXQUAL_1	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 6 - RXQUAL Range 1	SCANCTRX_CFERRXQU.CRXLEQTA_306	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_6_TO_RXQUAL_2	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 6 - RXQUAL Range 2	SCANCTRX_CFERRXQU.CRXLEQTA_307	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_6_TO_RXQUAL_3	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 6 -	SCANCTRX_CFERRXQU.CRXLEQTA_308	Sum	seccchbh, secrctbh, sectchbh,

			RXQUAL Range 3			sectchfrbh, Sum
UL_CORRELATED_FER_6_TO_RXQUAL_4	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 6 RXQUAL Range 4	SCANCTRX_CFERR XQU.CRXLEQTA_30 9	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_6_TO_RXQUAL_5	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 6 - RXQUAL Range 5	SCANCTRX_CFERR XQU.CRXLEQTA_31 0	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_6_TO_RXQUAL_6	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 6 - RXQUAL Range 6	SCANCTRX_CFERR XQU.CRXLEQTA_31 1	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_6_TO_RXQUAL_7	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 6 - RXQUAL Range 7	SCANCTRX_CFERR XQU.CRXLEQTA_31 2	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_FER_7_TO_RXQUAL_0	ACCUMULATION	INT8	Correlated FER to RXQUAL uplink - FER Range 7 - RXQUAL Range 0	SCANCTRX_CFERR XQU.CRXLEQTA_31 3	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELA	ACCUMULA	INT8	Correlated	SCANCTRX_CFERR	Sum	seccchbh

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TED_FER_7_T O_RXQUAL_1	TION		FER to RXQUAL uplink - FER Range 7 - RXQUAL Range 1	XQU.CRXLEQTA_31 4		, seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_FER_7_T O_RXQUAL_2	ACCUMULA TION	INT8	Correlated FER to RXQUAL uplink - FER Range 7 - RXQUAL Range 2	SCANCTRX_CFERR XQU.CRXLEQTA_31 5	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_FER_7_T O_RXQUAL_3	ACCUMULA TION	INT8	Correlated FER to RXQUAL uplink - FER Range 7 - RXQUAL Range 3	SCANCTRX_CFERR XQU.CRXLEQTA_31 6	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_FER_7_T O_RXQUAL_4	ACCUMULA TION	INT8	Correlated FER to RXQUAL uplink - FER Range 7 RXQUAL Range 4	SCANCTRX_CFERR XQU.CRXLEQTA_31 7	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_FER_7_T O_RXQUAL_5	ACCUMULA TION	INT8	Correlated FER to RXQUAL uplink - FER Range 7 - RXQUAL Range 5	SCANCTRX_CFERR XQU.CRXLEQTA_31 8	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_FER_7_T O_RXQUAL_6	ACCUMULA TION	INT8	Correlated FER to RXQUAL uplink - FER Range 7 - RXQUAL Range 6	SCANCTRX_CFERR XQU.CRXLEQTA_31 9	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA	ACCUMULA	INT8	Correlated	SCANCTRX_CFERR	Sum	seccchbh

TED_FER_7_T O_RXQUAL_7	TION		FER to RXQUAL uplink - FER Range 7 - RXQUAL Range 7	XQU.CRXLEQTA_32 0		, secrctbh , sectchbh, sectchfrb h, Sum
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7.12.4 TRX.Siemens.GSM.QoS_Interference

Transceiver QoS Measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
MEAN_IDLE_T CH0_WITHIN_I NTERFERENC E_BAND1	ACCUMULA TION	INT8	Measurements on Idle TCHs within interference band 1 for the TCH0	SCANTRX.ILUPLKI C_1	Sum	seccchbh , secrctbh , sectchbh, sectchfrb h, Sum
MEAN_IDLE_T CH0_WITHIN_I NTERFERENC E_BAND2	ACCUMULA TION	INT8	Measurements on Idle TCHs within interference band 2 for the TCH0	SCANTRX.ILUPLKI C_2	Sum	seccchbh , secrctbh , sectchbh, sectchfrb h, Sum
MEAN_IDLE_T CH0_WITHIN_I NTERFERENC E_BAND3	ACCUMULA TION	INT8	Measurements on Idle TCHs within interference band 3 for the TCH0	SCANTRX.ILUPLKI C_3	Sum	seccchbh , secrctbh , sectchbh, sectchfrb h, Sum
MEAN_IDLE_T CH0_WITHIN_I NTERFERENC E_BAND4	ACCUMULA TION	INT8	Measurements on Idle TCHs within interference	SCANTRX.ILUPLKI C_4	Sum	seccchbh , secrctbh ,

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			band 4 for the TCH0			sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH0_WITHIN_INTERFERENCE_BAND5	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 5 for the TCH0	SCANTRX.ILUPLKIC_5	Sum	seccchbh, secrldtchbh, sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH1_WITHIN_INTERFERENCE_BAND1	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 1 for the TCH1	SCANTRX.ILUPLKIC_6	Sum	seccchbh, secrldtchbh, sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH1_WITHIN_INTERFERENCE_BAND2	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 2 for the TCH1	SCANTRX.ILUPLKIC_7	Sum	seccchbh, secrldtchbh, sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH1_WITHIN_INTERFERENCE_BAND3	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 3 for the TCH1	SCANTRX.ILUPLKIC_8	Sum	seccchbh, secrldtchbh, sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH1_WITHIN_INTERFERENCE_BAND4	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 4 for the TCH1	SCANTRX.ILUPLKIC_9	Sum	seccchbh, secrldtchbh, sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH1_WITHIN_INTERFERENCE_BAND5	ACCUMULATION	INT8	Measurements on Idle TCHs within interference	SCANTRX.ILUPLKIC_10	Sum	seccchbh, secrldtchbh,

			band 5 for the TCH1			sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH2_WITHIN_INTERFERENCE_BAND1	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 1 for the TCH2	SCANTRX.ILUPLKIC_11	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH2_WITHIN_INTERFERENCE_BAND2	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 2 for the TCH2	SCANTRX.ILUPLKIC_12	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH2_WITHIN_INTERFERENCE_BAND3	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 3 for the TCH2	SCANTRX.ILUPLKIC_13	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH2_WITHIN_INTERFERENCE_BAND4	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 4 for the TCH2	SCANTRX.ILUPLKIC_14	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH2_WITHIN_INTERFERENCE_BAND5	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 5 for the TCH2	SCANTRX.ILUPLKIC_15	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, Sum

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MEAN_IDLE_TCH3_WITHIN_INTERFERENCE_BAND1	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 1 for the TCH3	SCANTRX.ILUPLKIC_16	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH3_WITHIN_INTERFERENCE_BAND2	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 2 for the TCH3	SCANTRX.ILUPLKIC_17	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH3_WITHIN_INTERFERENCE_BAND3	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 3 for the TCH3	SCANTRX.ILUPLKIC_18	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH3_WITHIN_INTERFERENCE_BAND4	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 4 for the TCH3	SCANTRX.ILUPLKIC_19	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH3_WITHIN_INTERFERENCE_BAND5	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 5 for the TCH3	SCANTRX.ILUPLKIC_20	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH4_WITHIN_INTERFERENCE_BAND1	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 1 for the TCH4	SCANTRX.ILUPLKIC_21	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum

MEAN_IDLE_TCH4_WITHIN_INTERFERENCE_BAND2	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 2 for the TCH4	SCANTRX.ILUPLKIC_22	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH4_WITHIN_INTERFERENCE_BAND3	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 3 for the TCH4	SCANTRX.ILUPLKIC_23	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH4_WITHIN_INTERFERENCE_BAND4	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 4 for the TCH4	SCANTRX.ILUPLKIC_24	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH4_WITHIN_INTERFERENCE_BAND5	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 5 for the TCH4	SCANTRX.ILUPLKIC_25	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH5_WITHIN_INTERFERENCE_BAND1	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 1 for the TCH5	SCANTRX.ILUPLKIC_26	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH5_WITHIN_INTERFERENCE	ACCUMULATION	INT8	Measurements on Idle TCHs within	SCANTRX.ILUPLKIC_27	Sum	seccchbh , seclctbh

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E_BAND2			interference band 2 for the TCH5			, sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH5_WITHIN_INTERFERENCE_BAND3	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 3 for the TCH5	SCANTRX.ILUPLKIC_28	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH5_WITHIN_INTERFERENCE_BAND4	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 4 for the TCH5	SCANTRX.ILUPLKIC_29	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH5_WITHIN_INTERFERENCE_BAND5	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 5 for the TCH5	SCANTRX.ILUPLKIC_30	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH6_WITHIN_INTERFERENCE_BAND1	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 1 for the TCH6	SCANTRX.ILUPLKIC_31	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH6_WITHIN_INTERFERENCE_BAND2	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 2 for the TCH6	SCANTRX.ILUPLKIC_32	Sum	seccchbh, secrletbh, sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH6_WITHIN_INTERFERENCE	ACCUMULATION	INT8	Measurements on Idle TCHs within	SCANTRX.ILUPLKIC_33	Sum	seccchbh, secrletbh

E_BAND3			interference band 3 for the TCH6			, sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH6_WITHIN_INTERFERENCE_BAND4	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 4 for the TCH6	SCANTRX.ILUPLKIC_34	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH6_WITHIN_INTERFERENCE_BAND5	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 5 for the TCH6	SCANTRX.ILUPLKIC_35	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH7_WITHIN_INTERFERENCE_BAND1	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 1 for the TCH7	SCANTRX.ILUPLKIC_36	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH7_WITHIN_INTERFERENCE_BAND2	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 2 for the TCH7	SCANTRX.ILUPLKIC_37	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH7_WITHIN_INTERFERENCE_BAND3	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 3 for the TCH7	SCANTRX.ILUPLKIC_38	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh

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						h, Sum
MEAN_IDLE_TCH7_WITHIN_INTERFERENCE_BAND4	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 4 for the TCH7	SCANTRX.ILUPLKIC_39	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
MEAN_IDLE_TCH7_WITHIN_INTERFERENCE_BAND5	ACCUMULATION	INT8	Measurements on Idle TCHs within interference band 5 for the TCH7	SCANTRX.ILUPLKIC_40	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum

7.12.5 TRX.Siemens.GSM.RX_Level_correlated_to_time_advance

Transceiver Measurements- RX_Level correlated to time_advance Uplink

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
DL_CORRELATED_RXLEV_0_TO_TIMEADVANCE_0	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 0 TA Range 0 (Downlink)	SCANTRX_CRXLVTAD.CRXLEQTA_193	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_0_TO_TIMEADVANCE_1	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 0 TA Range 1 (Downlink)	SCANTRX_CRXLVTAD.CRXLEQTA_194	Sum	seccchbh , secrctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_0_TO_TIMEADVANCE_2	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 0 TA	SCANTRX_CRXLVTAD.CRXLEQTA_195	Sum	seccchbh , secrctbh , sectchbh,

			Range 2 (Downlink)			sectchfrbh, Sum
DL_CORRELATED_RXLEV_0_TO_TIMEADVANCE_3	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 0 TA Range 3 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_196	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_0_TO_TIMEADVANCE_4	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 0 TA Range 4 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_197	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_0_TO_TIMEADVANCE_5	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 0 TA Range 5 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_198	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_0_TO_TIMEADVANCE_6	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 0 TA Range 6 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_199	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_0_TO_TIMEADVANCE_7	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 0 TA Range 7 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_200	Sum	seccchbh, secrctbh, sectchbh, sectchfrbh, Sum
DL_CORRELA	ACCUMULA	INT8	Correlated	SCANCTRX_CRXLV	Sum	seccchbh

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TED_RXLEV_1 _TO_TIMEAD VANCE_0	TION		RXLEV to TA RXLEVred Range 1 TA Range 0 (Downlink)	TAD.CRXLEQTA_20 1		, seclctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_1 _TO_TIMEAD VANCE_1	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 1 TA Range 1 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_20 2	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_1 _TO_TIMEAD VANCE_2	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 1 TA Range 2 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_20 3	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_1 _TO_TIMEAD VANCE_3	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 1 TA Range 3 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_20 4	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_1 _TO_TIMEAD VANCE_4	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 1 TA Range 4 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_20 5	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_1 _TO_TIMEAD VANCE_5	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 1 TA Range 5 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_20 6	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA	ACCUMULA	INT8	Correlated	SCANCTRX_CRXLV	Sum	seccchbh

TED_RXLEV_1 _TO_TIMEAD VANCE_6	TION		RXLEV to TA RXLEVred Range 1 TA Range 6 (Downlink)	TAD.CRXLEQTA_20 7		, secrctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_1 _TO_TIMEAD VANCE_7	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 1 TA Range 7 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_20 8	Sum	seccchbh , secrctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_2 _TO_TIMEAD VANCE_0	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 2 TA Range 0 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_20 9	Sum	seccchbh , secrctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_2 _TO_TIMEAD VANCE_1	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 2 TA Range 1 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_21 0	Sum	seccchbh , secrctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_2 _TO_TIMEAD VANCE_2	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 2 TA Range 2 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_21 1	Sum	seccchbh , secrctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_2 _TO_TIMEAD VANCE_3	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred	SCANCTRX_CRXLV TAD.CRXLEQTA_21 2	Sum	seccchbh , secrctbh ,

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			Range 2 TA Range 3 (Downlink)			sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_2 _TO_TIMEAD VANCE_4	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 2 TA Range 4 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_21 3	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_2 _TO_TIMEAD VANCE_5	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 2 TA Range 5 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_21 4	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_2 _TO_TIMEAD VANCE_6	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 2 TA Range 6 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_21 5	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_2 _TO_TIMEAD VANCE_7	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 2 TA Range 7 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_21 6	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_3 _TO_TIMEAD VANCE_0	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 3 TA Range 0 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_21 7	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_3 _TO_TIMEAD VANCE_1	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred	SCANCTRX_CRXLV TAD.CRXLEQTA_21 8	Sum	seccchbh , seclctbh ,

			Range 3 TA Range 1 (Downlink)			sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_3 _TO_TIMEAD VANCE_2	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 3 TA Range 2 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_21 9	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_3 _TO_TIMEAD VANCE_3	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 3 TA Range 3 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_22 0	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_3 _TO_TIMEAD VANCE_4	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 3 TA Range 4 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_22 1	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_3 _TO_TIMEAD VANCE_5	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 3 TA Range 5 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_22 2	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_3 _TO_TIMEAD VANCE_6	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 3 TA Range 6 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_22 3	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum

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DL_CORRELATED_RXLEV_3_TO_TIMEADVANCE_7	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 3 TA Range 7 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_224	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_4_TO_TIMEADVANCE_0	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 4 TA Range 0 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_225	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_4_TO_TIMEADVANCE_1	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 4 TA Range 1 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_226	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_4_TO_TIMEADVANCE_2	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 4 TA Range 2 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_227	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_4_TO_TIMEADVANCE_3	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 4 TA Range 3 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_228	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_4_TO_TIMEADVANCE_4	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 4 TA Range 4 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_229	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum

DL_CORRELATED_RXLEV_4_TO_TIMEADVANCE_5	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 4 TA Range 5 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_230	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_4_TO_TIMEADVANCE_6	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 4 TA Range 6 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_231	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_4_TO_TIMEADVANCE_7	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 4 TA Range 7 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_232	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_5_TO_TIMEADVANCE_0	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 5 TA Range 0 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_233	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_5_TO_TIMEADVANCE_1	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 5 TA Range 1 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_234	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_5_TO_TIMEADVANCE_5	ACCUMULATION	INT8	Correlated RXLEV to TA	SCANCTRX_CRXLVTAD.CRXLEQTA_235	Sum	seccchbh , seclctbh

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VANCE_2			RXLEVred Range 5 TA Range 2 (Downlink)			, sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_5 _TO_TIMEAD VANCE_3	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 5 TA Range 3 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_23 6	Sum	seccchbh , secrlctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_5 _TO_TIMEAD VANCE_4	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 5 TA Range 4 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_23 7	Sum	seccchbh , secrlctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_5 _TO_TIMEAD VANCE_5	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 5 TA Range 5 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_23 8	Sum	seccchbh , secrlctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_5 _TO_TIMEAD VANCE_6	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 5 TA Range 6 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_23 9	Sum	seccchbh , secrlctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_5 _TO_TIMEAD VANCE_7	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 5 TA Range 7 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_24 0	Sum	seccchbh , secrlctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_6 _TO_TIMEAD	ACCUMULA TION	INT8	Correlated RXLEV to TA	SCANCTRX_CRXLV TAD.CRXLEQTA_24 1	Sum	seccchbh , secrlctbh

VANCE_0			RXLEVred Range 6 TA Range 0 (Downlink)			, sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_6 _TO_TIMEAD VANCE_1	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 6 TA Range 1 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_24 2	Sum	seccchbh , secrlctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_6 _TO_TIMEAD VANCE_2	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 6 TA Range 2 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_24 3	Sum	seccchbh , secrlctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_6 _TO_TIMEAD VANCE_3	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 6 TA Range 3 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_24 4	Sum	seccchbh , secrlctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_6 _TO_TIMEAD VANCE_4	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 6 TA Range 4 (Downlink)	SCANCTRX_CRXLV TAD.CRXLEQTA_24 5	Sum	seccchbh , secrlctbh , sectchbh, sectchfrb h, Sum
DL_CORRELA TED_RXLEV_6 _TO_TIMEAD VANCE_5	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 6 TA Range 5	SCANCTRX_CRXLV TAD.CRXLEQTA_24 6	Sum	seccchbh , secrlctbh , sectchbh, sectchfrb

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			(Downlink)			h, Sum
DL_CORRELATED_RXLEV_6_TO_TIMEADVANCE_6	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 6 TA Range 6 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_247	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_6_TO_TIMEADVANCE_7	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 6 TA Range 7 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_248	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_7_TO_TIMEADVANCE_0	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 7 TA Range 0 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_249	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_7_TO_TIMEADVANCE_1	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 7 TA Range 1 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_250	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_7_TO_TIMEADVANCE_2	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 7 TA Range 2 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_251	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_7_TO_TIMEADVANCE_3	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 7 TA Range 3	SCANCTRX_CRXLVTAD.CRXLEQTA_252	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh

			(Downlink)			h, Sum
DL_CORRELATED_RXLEV_7_TO_TIMEADVANCE_4	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 7 TA Range 4 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_253	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_7_TO_TIMEADVANCE_5	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 7 TA Range 5 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_254	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_7_TO_TIMEADVANCE_6	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 7 TA Range 6 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_255	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
DL_CORRELATED_RXLEV_7_TO_TIMEADVANCE_7	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 7 TA Range 7 (Downlink)	SCANCTRX_CRXLVTAD.CRXLEQTA_256	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_0_TO_TIMEADVANCE_0	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 0 TA Range 0 (Uplink)	SCANCTRX_CRXLVTAU.CRXLEQTA_129	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_0	ACCUMULATION	INT8	Correlated RXLEV to	SCANCTRX_CRXLVTAU.CRXLEQTA_13	Sum	seccchbh ,

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UL_CORRELATED_RXLEV_0_TO_TIMEADVANCE_1			TA RXLEVred Range 0 TA Range 1 (Uplink)	0		seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELATED_RXLEV_0_TO_TIMEADVANCE_2	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 0 TA Range 2 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_13 1	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELATED_RXLEV_0_TO_TIMEADVANCE_3	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 0 TA Range 3 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_13 2	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELATED_RXLEV_0_TO_TIMEADVANCE_4	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 0 TA Range 4 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_13 3	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELATED_RXLEV_0_TO_TIMEADVANCE_5	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 0 TA Range 5 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_13 4	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELATED_RXLEV_0_TO_TIMEADVANCE_6	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 0 TA Range 6 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_13 5	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELATED_RXLEV_0_TO_TIMEADVANCE_7	ACCUMULATION	INT8	Correlated RXLEV to	SCANCTRX_CRXLV TAU.CRXLEQTA_13	Sum	seccchbh ,

UL_CORRELATED_RXLEV_1_TO_TIMEADVANCE_7			TA RXLEVred Range 0 TA Range 7 (Uplink)	6		seccchbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_1_TO_TIMEADVANCE_0	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 1 TA Range 0 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_13 7	Sum	seccchbh , seccchbh, sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_1_TO_TIMEADVANCE_1	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 1 TA Range 1 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_13 8	Sum	seccchbh , seccchbh, sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_1_TO_TIMEADVANCE_2	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 1 TA Range 2 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_13 9	Sum	seccchbh , seccchbh, sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_1_TO_TIMEADVANCE_3	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 1 TA Range 3 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_14 0	Sum	seccchbh , seccchbh, sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_1_TO_TIMEADVANCE_4	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 1 TA	SCANCTRX_CRXLV TAU.CRXLEQTA_14 1	Sum	seccchbh , seccchbh, sectchbh,

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			Range 4 (Uplink)			sectchfrbh, Sum
UL_CORRELATED_RXLEV_1_TO_TIMEADVANCE_5	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 1 TA Range 5 (Uplink)	SCANCTRX_CRXLVTAU.CRXLEQTA_142	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_1_TO_TIMEADVANCE_6	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 1 TA Range 6 (Uplink)	SCANCTRX_CRXLVTAU.CRXLEQTA_143	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_1_TO_TIMEADVANCE_7	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 1 TA Range 7 (Uplink)	SCANCTRX_CRXLVTAU.CRXLEQTA_144	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_2_TO_TIMEADVANCE_0	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 2 TA Range 0 (Uplink)	SCANCTRX_CRXLVTAU.CRXLEQTA_145	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_2_TO_TIMEADVANCE_1	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 2 TA Range 1 (Uplink)	SCANCTRX_CRXLVTAU.CRXLEQTA_146	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_2_TO_TIMEADVANCE_2	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 2 TA	SCANCTRX_CRXLVTAU.CRXLEQTA_147	Sum	seccchbh , seclctbh , sectchbh,

			Range 2 (Uplink)			sectchfrbh, Sum
UL_CORRELATED_RXLEV_2_TO_TIMEADVANCE_3	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 2 TA Range 3 (Uplink)	SCANCTRX_CRXLVTAU.CRXLEQTA_148	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_2_TO_TIMEADVANCE_4	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 2 TA Range 4 (Uplink)	SCANCTRX_CRXLVTAU.CRXLEQTA_149	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_2_TO_TIMEADVANCE_5	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 2 TA Range 5 (Uplink)	SCANCTRX_CRXLVTAU.CRXLEQTA_150	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_2_TO_TIMEADVANCE_6	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 2 TA Range 6 (Uplink)	SCANCTRX_CRXLVTAU.CRXLEQTA_151	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_2_TO_TIMEADVANCE_7	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 2 TA Range 7 (Uplink)	SCANCTRX_CRXLVTAU.CRXLEQTA_152	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELA	ACCUMULA	INT8	Correlated	SCANCTRX_CRXLV	Sum	seccchbh

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TED_RXLEV_3 _TO_TIMEAD VANCE_0	TION		RXLEV to TA RXLEVred Range 3 TA Range 0 (Uplink)	TAU.CRXLEQTA_15 3		, seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_3 _TO_TIMEAD VANCE_1	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 3 TA Range 1 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_15 4	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_3 _TO_TIMEAD VANCE_2	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 3 TA Range 2 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_15 5	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_3 _TO_TIMEAD VANCE_3	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 3 TA Range 3 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_15 6	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_3 _TO_TIMEAD VANCE_4	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 3 TA Range 4 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_15 7	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_3 _TO_TIMEAD VANCE_5	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 3 TA Range 5 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_15 8	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA	ACCUMULA	INT8	Correlated	SCANCTRX_CRXLV	Sum	seccchbh

TED_RXLEV_3 _TO_TIMEAD VANCE_6	TION		RXLEV to TA RXLEVred Range 3 TA Range 6 (Uplink)	TAU.CRXLEQTA_15 9		, secrctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_3 _TO_TIMEAD VANCE_7	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 3 TA Range 7 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_16 0	Sum	seccchbh , secrctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_4 _TO_TIMEAD VANCE_0	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 4 TA Range 0 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_16 1	Sum	seccchbh , secrctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_4 _TO_TIMEAD VANCE_1	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 4 TA Range 1 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_16 2	Sum	seccchbh , secrctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_4 _TO_TIMEAD VANCE_2	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 4 TA Range 2 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_16 3	Sum	seccchbh , secrctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_4 _TO_TIMEAD VANCE_3	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred	SCANCTRX_CRXLV TAU.CRXLEQTA_16 4	Sum	seccchbh , secrctbh ,

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			Range 4 TA Range 3 (Uplink)			sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_4 _TO_TIMEAD VANCE_4	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 4 TA Range 4 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_16 5	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_4 _TO_TIMEAD VANCE_5	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 4 TA Range 5 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_16 6	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_4 _TO_TIMEAD VANCE_6	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 4 TA Range 6 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_16 7	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_4 _TO_TIMEAD VANCE_7	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 4 TA Range 7 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_16 8	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_5 _TO_TIMEAD VANCE_0	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 5 TA Range 0 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_16 9	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_5 _TO_TIMEAD VANCE_1	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred	SCANCTRX_CRXLV TAU.CRXLEQTA_17 0	Sum	seccchbh , seclctbh ,

			Range 5 TA Range 1 (Uplink)			sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_5 _TO_TIMEAD VANCE_2	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 5 TA Range 2 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_17 1	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_5 _TO_TIMEAD VANCE_3	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 5 TA Range 3 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_17 2	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_5 _TO_TIMEAD VANCE_4	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 5 TA Range 4 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_17 3	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_5 _TO_TIMEAD VANCE_5	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 5 TA Range 5 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_17 4	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_5 _TO_TIMEAD VANCE_6	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 5 TA Range 6 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_17 5	Sum	seccchbh , seclctbh , sectchbh, sectchfrb h, Sum

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UL_CORRELATED_RXLEV_5_TO_TIMEADVANCE_7	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 5 TA Range 7 (Uplink)	SCANCTRX_CRXLVTAU.CRXLEQTA_176	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_6_TO_TIMEADVANCE_0	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 6 TA Range 0 (Uplink)	SCANCTRX_CRXLVTAU.CRXLEQTA_177	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_6_TO_TIMEADVANCE_1	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 6 TA Range 1 (Uplink)	SCANCTRX_CRXLVTAU.CRXLEQTA_178	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_6_TO_TIMEADVANCE_2	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 6 TA Range 2 (Uplink)	SCANCTRX_CRXLVTAU.CRXLEQTA_179	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_6_TO_TIMEADVANCE_3	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 6 TA Range 3 (Uplink)	SCANCTRX_CRXLVTAU.CRXLEQTA_180	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_6_TO_TIMEADVANCE_4	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 6 TA Range 4 (Uplink)	SCANCTRX_CRXLVTAU.CRXLEQTA_181	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum

UL_CORRELATED_RXLEV_6_TO_TIMEADVANCE_5	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 6 TA Range 5 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_18 2	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_6_TO_TIMEADVANCE_6	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 6 TA Range 6 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_18 3	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_6_TO_TIMEADVANCE_7	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 6 TA Range 7 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_18 4	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_7_TO_TIMEADVANCE_0	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 7 TA Range 0 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_18 5	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_7_TO_TIMEADVANCE_1	ACCUMULATION	INT8	Correlated RXLEV to TA RXLEVred Range 7 TA Range 1 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_18 6	Sum	seccchbh , seclctbh , sectchbh, sectchfrbh, Sum
UL_CORRELATED_RXLEV_7_TO_TIMEADVANCE_7	ACCUMULATION	INT8	Correlated RXLEV to TA	SCANCTRX_CRXLV TAU.CRXLEQTA_18 7	Sum	seccchbh , seclctbh

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VANCE_2			RXLEVred Range 7 TA Range 2 (Uplink)			, sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_7 _TO_TIMEAD VANCE_3	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 7 TA Range 3 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_18 8	Sum	seccchbh , secrletbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_7 _TO_TIMEAD VANCE_4	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 7 TA Range 4 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_18 9	Sum	seccchbh , secrletbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_7 _TO_TIMEAD VANCE_5	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 7 TA Range 5 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_19 0	Sum	seccchbh , secrletbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_7 _TO_TIMEAD VANCE_6	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 7 TA Range 6 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_19 1	Sum	seccchbh , secrletbh , sectchbh, sectchfrb h, Sum
UL_CORRELA TED_RXLEV_7 _TO_TIMEAD VANCE_7	ACCUMULA TION	INT8	Correlated RXLEV to TA RXLEVred Range 7 TA Range 7 (Uplink)	SCANCTRX_CRXLV TAU.CRXLEQTA_19 2	Sum	seccchbh , secrletbh , sectchbh, sectchfrb h, Sum

7.12.6 TRX.Siemens.GSM.TRX_Availability

Transceiver Availability Measurements

KPI	Type	Data Type	Description	Derivation	Default Aggregator	Other Aggregators
AVAILABILITY_TIME	INTENSITY	FLOAT	Transceiver Available Time	SCANTRX.TRANAVTI_1	Average	Average, Maximum, Minimum, seccchbh, secrctbh, sectchbh, Sum

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8 Performance Alarms

This section shows details of the alarms that are defined in this technology pack module:

None.

9 Reports

This section shows details of the reports that are defined in this technology pack module.

All reports can be run as raw, daily, weekly or monthly reports.

Where a KPI is marked (DA), it means Data Availability is to be reported upon it.

- [BSC Reports.](#)
- [Cell Reports.](#)
- [TRX Reports.](#)

9.1 BSC Reports.

This section shows reports for the BSC object.

- [Siemens GSM BSC Handover Report](#)

9.1.1 Siemens GSM BSC Handover Report

Inter and Intra BSC handovers

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.BSC
Primary Object	BSC
BSC_Handover	BSC.BSC_Id, BSC.Siemens.Handover.FAILED_INTRA_HO (DA), BSC.Siemens.Handover.FAILED_INTER_HO

9.2 Cell Reports.

This section shows reports for the Cell object.

- [Siemens GPRS Cell Busy PDCH Report](#)
- [Siemens GPRS Cell TBF Statistics Report](#)
- [Siemens GPRS Cell Total Throughput Report](#)

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- [Siemens GPRS Cell User Throughput Uplink Report](#)
- [Siemens GPRS Cell UserThruput Downlink Report](#)
- [Siemens GSM Cell Assignment Analysis Report](#)
- [Siemens GSM Cell Assignment Analysis Report-Suc](#)
- [Siemens GSM Cell Call Setup Analysis Report](#)
- [Siemens GSM Cell CallSetup Dist Report-NA](#)
- [Siemens GSM Cell CallSetup Distribution Report](#)
- [Siemens GSM Cell GPRS TBF Adaptation Report](#)
- [Siemens GSM Cell GPRS TBF Drop Report](#)
- [Siemens GSM Cell GPRS TBF Drop Report-NA](#)
- [Siemens GSM Cell GPRS TBF Establishment Report](#)
- [Siemens GSM Cell Immediate Assignment Report](#)
- [Siemens GSM Cell InterSystem Failure Report](#)
- [Siemens GSM Cell InterSystem HO Attempts Report](#)
- [Siemens GSM Cell InterSystem HO Distrib Report](#)
- [Siemens GSM Cell InterSystem HO Drop Report](#)
- [Siemens GSM Cell InterSystem HO Failures Report](#)
- [Siemens GSM Cell InterSystem HO Success Report](#)
- [Siemens GSM Cell InterSystem Success Report](#)
- [Siemens GSM Cell IntraCell HO Attempts Report](#)
- [Siemens GSM Cell IntraCell HO Distrib Report](#)
- [Siemens GSM Cell IntraCell HO Drop Report](#)
- [Siemens GSM Cell IntraCell HO Failure Report](#)
- [Siemens GSM Cell IntraCell HO Failures Report](#)
- [Siemens GSM Cell IntraCell HO Success Report](#)
- [Siemens GSM Cell IntraCell HO Succ Report](#)
- [Siemens GSM Cell SDCCH Drop Report](#)
- [Siemens GSM Cell SDCCH Drop Report-NA](#)
- [Siemens GSM Cell SDCCH Load Report](#)
- [Siemens GSM Cell TCH Availability Report](#)
- [Siemens GSM Cell TCH Blocking Report](#)
- [Siemens GSM Cell TCH Drop Statistics Report](#)
- [Siemens GSM Cell TCH Seizure Blocks Report](#)
- [Siemens GSM Cell TCH Traffic Report](#)
- [Siemens GSM Cell TCH Utilisation Report](#)
- [Siemens GSM InterCellInterBSC Attempts Report](#)
- [Siemens GSM InterCellInterBSC Failure Report](#)
- [Siemens GSM InterCellInterBSC Failures Report](#)
- [Siemens GSM InterCellInterBSC HO Distrib Report](#)
- [Siemens GSM InterCellInterBSC HO Drop Report](#)
- [Siemens GSM InterCellInterBSC HO Success Report](#)
- [Siemens GSM InterCellInterBSC Success Report](#)
- [Siemens GSM InterCellIntraBSC Attempts Report](#)
- [Siemens GSM InterCellIntraBSC Failure Report](#)
- [Siemens GSM InterCellIntraBSC Failures Report](#)
- [Siemens GSM InterCellIntraBSC HO Distrib Report](#)

- [Siemens GSM InterCellIntraBSC HO Drop Report](#)
- [Siemens GSM InterCellIntraBSC HO Success Report](#)
- [Siemens GSM InterCellIntraBSC Success Report](#)

9.2.1 Siemens GPRS Cell Busy PDCH Report

Siemens Cell GPRS Busy PDCH Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Busy PDCH	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.PDCH.MEAN_USED_PDCH_UL (DA), Cell.Siemens.PDCH.MEAN_USED_PDCH_DL

9.2.2 Siemens GPRS Cell TBF Statistics Report

Siemens GSM Cell GPRS TBF Statistics Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
TBF Statistics	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.PDCH.MEAN_USED_PDCH_UL (DA), Cell.Siemens.PDCH.MEAN_USED_PDCH_DL

9.2.3 Siemens GPRS Cell Total Throughput Report

Siemens GSM Cell GPRS Total Throughput Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Total Throughput	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.RLC.User_data_thrput_on_radio_intf_UL (DA),

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Cell.Siemens.RLC.User_data_thrput_on_radio_intf_DL
--

9.2.4 Siemens GPRS Cell User Throughput Uplink Report

Siemens GSM Cell GPRS User Throughput Uplink Distribution Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
User Throughput Uplink	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.RLC._%_UL_user_thrput_CS1, Cell.Siemens.RLC._%_UL_user_thrput_CS2, Cell.Siemens.RLC._%_UL_user_thrput_CS3, Cell.Siemens.RLC._%_UL_user_thrput_CS4, Cell.Siemens.RLC._%_UL_user_thrput_MCS1, Cell.Siemens.RLC._%_UL_user_thrput_MCS2, Cell.Siemens.RLC._%_UL_user_thrput_MCS3, Cell.Siemens.RLC._%_UL_user_thrput_MCS4, Cell.Siemens.RLC._%_UL_user_thrput_MCS5, Cell.Siemens.RLC._%_UL_user_thrput_MCS6, Cell.Siemens.RLC._%_UL_user_thrput_MCS7, Cell.Siemens.RLC._%_UL_user_thrput_MCS8, Cell.Siemens.RLC._%_UL_user_thrput_MCS9, Cell.Siemens.RLC.RLC_USER_DATA_Throughput_UL (DA)

9.2.5 Siemens GPRS Cell UserThruput Downlink Report

Siemens GSM Cell GPRS User Throughput Downlink Distribution Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
User Throughput Downlink	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.RLC._%_DL_user_thrput_CS1, Cell.Siemens.RLC._%_DL_user_thrput_CS2, Cell.Siemens.RLC._%_DL_user_thrput_CS3, Cell.Siemens.RLC._%_DL_user_thrput_CS4, Cell.Siemens.RLC._%_DL_user_thrput_MCS1, Cell.Siemens.RLC._%_DL_user_thrput_MCS2, Cell.Siemens.RLC._%_DL_user_thrput_MCS3, Cell.Siemens.RLC._%_DL_user_thrput_MCS4, Cell.Siemens.RLC._%_DL_user_thrput_MCS5, Cell.Siemens.RLC._

	%_DL_user_thrput_MCS6, Cell.Siemens.RLC._ %_DL_user_thrput_MCS7, Cell.Siemens.RLC._ %_DL_user_thrput_MCS8, Cell.Siemens.RLC._ %_DL_user_thrput_MCS9, Cell.Siemens.RLC.RLC_USER_DATA_Throughput_DL (DA)
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9.2.6 Siemens GSM Cell Assignment Analysis Report

Siemens GSM BSS Cell level Assignment Analysis Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Assignment_Analysis	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Assignment_SDCCH_and_TCH_Full_Rate.Attempts_as assignment, Cell.Siemens.Assignment_SDCCH_and_TCH_Full_Rate._ %_TCH_loss

9.2.7 Siemens GSM Cell Assignment Analysis Report-Suc

Siemens GSM Cell Success Level Assignment Analysis Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Assignment_Analysis_Succes s	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Assignment_SDCCH_and_TCH_Full_Rate.Successful_ assignment, Cell.Siemens.Assignment_SDCCH_and_TCH_Full_Rate._ %_Successful_assignment

9.2.8 Siemens GSM Cell Call Setup Analysis Report

Siemens BSS Cell Call setup analysis report

Report Feature	Details
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Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Call Setup Analysis	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Immediate_Assignment._%_Successful_SSS_proc_CS, Cell.Siemens.Immediate_Assignment.Successful_immediate_assign (DA), Cell.Siemens.Immediate_Assignment.Immediate_assign_by_BSC_pro c, Cell.Siemens.Immediate_Assignment._ %_Immediate_assignment_Losses, Cell.Siemens.Immediate_Assignment.Immediate_assign_no_MS_seiz, Cell.Siemens.Immediate_Assignment._ %_Successful_immediate_assign, Cell.Siemens.Immediate_Assignment._%_Successful_call_setup, Cell.Siemens.CCCH._%_AGCH_losses, Cell.Siemens.SDCCH._ %_SDCCH_drops_CS, Cell.Siemens.SDCCH.SDCCH_drops

9.2.9 Siemens GSM Cell CallSetup Dist Report-NA

siemens BSS GSM Cell Call Setup rate distribution Report-NA

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Call Setup Distribution	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Immediate_Assignment._%_Failed_SSS_procedure, Cell.Siemens.Assignment_SDCCH_and_TCH_Full_Rate.Failed_assig nments_by_msg, Cell.Siemens.Assignment_SDCCH_and_TCH_Full_Rate._ %_Failed_assignments_by_msg, Cell.Siemens.Assignment_SDCCH_and_TCH_Full_Rate._ %_Failed_assignments_other, Cell.Siemens.Radio_Queuing.Queuing_failures (DA), Cell.Siemens.Radio_Queuing._%_Queuing_failures, Cell.Siemens.Immediate_Assignment.Attempts_CS, Cell.Siemens.Immediate_Assignment._ %_Immediate_assignment_Losses, Cell.Siemens.CCCH._ %_AGCH_losses, Cell.Siemens.SDCCH._%_SDCCH_drops, Cell.Siemens.Assignment_SDCCH_and_TCH_Full_Rate._ %_TCH_loss

9.2.10 Siemens GSM Cell CallSetup Distribution Report

siemens BSS GSM Cell Call Setup rate distribution Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Call Setup Distribution	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Immediate_Assignment._%_Failed_call_setup (DA), Cell.Siemens.Immediate_Assignment._ %_Immediate_assig_no_seizure, Cell.Siemens.Immediate_Assignment._%_Failed_SSS_procedure, Cell.Siemens.Assignment_SDCCH_and_TCH_Full_Rate.Failed_assig nments_by_msg, Cell.Siemens.Assignment_SDCCH_and_TCH_Full_Rate._ %_Failed_assignments_by_msg, Cell.Siemens.Assignment_SDCCH_and_TCH_Full_Rate._ %_Failed_assignments_other, Cell.Siemens.Radio_Queuing.Queuing_failures (DA), Cell.Siemens.Radio_Queuing._%_Queuing_failures, Cell.Siemens.Immediate_Assignment.Attempts_CS, Cell.Siemens.Immediate_Assignment._ %_Immediate_assignment_Losses, Cell.Siemens.CCCH._ %_AGCH_losses, Cell.Siemens.SDCCH._%_SDCCH_drops, Cell.Siemens.Assignment_SDCCH_and_TCH_Full_Rate._ %_TCH_loss

9.2.11 Siemens GSM Cell GPRS TBF Adaptation Report

Siemens GSM Cell GPRS TBF Adaptation Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
TBF Adaptation	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.TBF.MEAN_TBF_LEN_UL (DA), Cell.Siemens.TBF.MEAN_TBF_LEN_DL

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9.2.12 Siemens GSM Cell GPRS TBF Drop Report

Siemens GSM Cell GPRS TBF Drop Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
TBF Drop	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.TBF._ %_TBF_drop_any_cause_UL, Cell.Siemens.TBF._ %_TBF_drop_any_cause_DL, Cell.Siemens.TBF.TBF_drop_frequency_UL (DA), Cell.Siemens.TBF.TBF_drop_frequency_DL, Cell.Siemens.TBF.Mean_time_between_drop_of_UL_TBF, Cell.Siemens.TBF.Mean_time_between_drop_of_DL_TBF

9.2.13 Siemens GSM Cell GPRS TBF Drop Report-NA

Siemens GSM Cell GPRS TBF Drop Report-NA

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
TBF Drop	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.TBF._ %_TBF_drop_any_cause_UL, Cell.Siemens.TBF._ %_TBF_drop_any_cause_DL

9.2.14 Siemens GSM Cell GPRS TBF Establishment Report

Siemens GSM Cell GPRS TBF Establishment Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
TBF Establishment	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Radio_Resource._%_Successful_TBF_establish_DL, Cell.Siemens.Radio_Resource._%_Successful_TBF_establish_UL, Cell.Siemens.Radio_Resource._ %_Failure_TBF_estab_PDCH_cong_UL, Cell.Siemens.Radio_Resource._ %_Failure_TBF_estab_PDCH_cong_DL

9.2.15 Siemens GSM Cell Immediate Assignment Report

Siemens BSS GSM Cell level Immediate Assignment Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Immediate_Assignment_Analysis	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Immediate_Assignment.Attempts_immediate_assignment (DA), Cell.Siemens.Immediate_Assignment.Successful_immediate_assignment_CS, Cell.Siemens.Immediate_Assignment._ %_Immediate_assignment_Losses, Cell.Siemens.CCCH._ %_AGCH_losses, Cell.Siemens.Immediate_Assignment._ %_Successful_immediate_assignment

9.2.16 Siemens GSM Cell InterSystem Failure Report

Siemens GSM Cell Inter System Handover Report (Failure Handover Rate)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Failure Handover Rate	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Inter_system_handover_failure_KPIs._ %_Failure_UL_quality, Cell.Siemens.Inter_system_handover_failure_KPIs._ %_Failure_DL_quality, Cell.Siemens.Inter_system_handover_failure_KPIs._ %_Failure_UL_strength, Cell.Siemens.Inter_system_handover_failure_KPIs._ %_Failure_DL_strength, Cell.Siemens.Inter_system_handover_failure_KPIs._ %_Failure_distance, Cell.Siemens.Inter_system_handover_failure_KPIs._ %_Failure_better_cell, Cell.Siemens.Inter_system_handover_failure_KPIs._ %_Failure_directed_retry, Cell.Siemens.Inter_system_handover_failure_KPIs._

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	%_Failure_forced_preemption, Cell.Siemens.Inter_system_handover_failure_KPIs._ %_Failure_forced_OM, Cell.Siemens.Inter_system_handover_failure_KPIs._ %_Failure_sufficient_UMTS_coverage, Cell.Siemens.Inter_system_handover_failure_KPIs._%_Failure_DTM
--	---

9.2.17 Siemens GSM Cell InterSystem HO Attempts Report

Siemens GSM Cell Inter System Handover Report (Attempted Handover)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Attempted Handovers	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to _UL_quality (DA), Cell.Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to _DL_quality, Cell.Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to _UL_strength, Cell.Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to _DL_strength, Cell.Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to _distance, Cell.Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to _better_cell, Cell.Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to _directed_retry, Cell.Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to _forced_preemption, Cell.Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to _forced_OM, Cell.Siemens.Inter_system_handover_attempt_KPIs.Attempts_sufficie nt_UMTS_cover, Cell.Siemens.Inter_system_handover_attempt_KPIs.Attempts_due_to _DTM

9.2.18 Siemens GSM Cell InterSystem HO Distrib Report

Siemens GSM Cell Inter System Handover Report (Distribution Handover Rate)

Report Feature	Details
----------------	---------

Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Distribution Handover Rate	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Inter_system_handover_dist_KPIs._ %_Dist_UL_quality, Cell.Siemens.Inter_system_handover_dist_KPIs._ %_Dist_DL_quality, Cell.Siemens.Inter_system_handover_dist_KPIs._ %_Dist_UL_strength, Cell.Siemens.Inter_system_handover_dist_KPIs._ %_Dist_DL_strength, Cell.Siemens.Inter_system_handover_dist_KPIs._%_Dist_distance, Cell.Siemens.Inter_system_handover_dist_KPIs._%_Dist_better_cell, Cell.Siemens.Inter_system_handover_dist_KPIs._ %_Dist_directed_retry, Cell.Siemens.Inter_system_handover_dist_KPIs._ %_Dist_forced_preemption, Cell.Siemens.Inter_system_handover_dist_KPIs._ %_Dist_forced_OM, Cell.Siemens.Inter_system_handover_dist_KPIs._ %_Dist_Sufficient_UMTS_coverage, Cell.Siemens.Inter_system_handover_dist_KPIs._%_Dist_DTM

9.2.19 Siemens GSM Cell InterSystem HO Drop Report

Siemens GSM Cell Inter System Handover Report (Drop Handover Rate)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Drop Handover Rate	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Inter_system_handover_drop_KPIs._ %_Drop_UL_quality, Cell.Siemens.Inter_system_handover_drop_KPIs._ %_Drop_DL_quality, Cell.Siemens.Inter_system_handover_drop_KPIs._ %_Drop_UL_strength, Cell.Siemens.Inter_system_handover_drop_KPIs._

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	%_Drop_DL_strength, Cell.Siemens.Inter_system_handover_drop_KPIs._%_Drop_distance, Cell.Siemens.Inter_system_handover_drop_KPIs._ %_Drop_better_cell, Cell.Siemens.Inter_system_handover_drop_KPIs._ %_Drop_directed_retry, Cell.Siemens.Inter_system_handover_drop_KPIs._ %_Drop_forced_preemption, Cell.Siemens.Inter_system_handover_drop_KPIs._ %_Drop_forced_OM, Cell.Siemens.Inter_system_handover_drop_KPIs._ %_Drop_sufficient_UMTS_coverage, Cell.Siemens.Inter_system_handover_drop_KPIs._%_Drop_DTM
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9.2.20 Siemens GSM Cell InterSystem HO Failures Report

Siemens GSM Cell Inter System Handover Report (Failed Handover)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Failed Handovers	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_UL _quality (DA), Cell.Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_DL _quality, Cell.Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_UL _strength, Cell.Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_DL _strength, Cell.Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_dis tance, Cell.Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_bet ter_cell, Cell.Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_dir ected_retry, Cell.Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_for ced_preemption, Cell.Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_for ced_OM, Cell.Siemens.Inter_system_handover_failure_KPIs.Failed_sufficient_ UMTS_cover, Cell.Siemens.Inter_system_handover_failure_KPIs.Failed_due_to_DT M

9.2.21 Siemens GSM Cell InterSystem HO Success Report

Siemens GSM Cell Inter System Handover Report (Successful Handover)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Successful Handovers	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Inter_system_handover_success_KPIs.Successful_due_t o_UL_quality (DA), Cell.Siemens.Inter_system_handover_success_KPIs.Successful_due_t o_DL_quality, Cell.Siemens.Inter_system_handover_success_KPIs.Successful_due_t o_UL_strength, Cell.Siemens.Inter_system_handover_success_KPIs.Successful_due_t o_DL_strength, Cell.Siemens.Inter_system_handover_success_KPIs.Successful_due_t o_distance, Cell.Siemens.Inter_system_handover_success_KPIs.Successful_due_t o_better_cell, Cell.Siemens.Inter_system_handover_success_KPIs.Successful_due_t o_directed_retry, Cell.Siemens.Inter_system_handover_success_KPIs.Successful_due_t o_forced_preemption, Cell.Siemens.Inter_system_handover_success_KPIs.Successful_due_t o_forced_OM, Cell.Siemens.Inter_system_handover_success_KPIs.Successful_suffic ient_UMTS_cover, Cell.Siemens.Inter_system_handover_success_KPIs.Successful_due_t o_DTM

9.2.22 Siemens GSM Cell InterSystem Success Report

Siemens GSM Cell Inter System Handover Report (Successful Handover Rate)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell

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Successful Handover Rate	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Inter_system_handover_success_KPIs._ %_Successful_UL_quality, Cell.Siemens.Inter_system_handover_success_KPIs._ %_Successful_DL_quality, Cell.Siemens.Inter_system_handover_success_KPIs._ %_Successful_UL_strength, Cell.Siemens.Inter_system_handover_success_KPIs._ %_Successful_DL_strength, Cell.Siemens.Inter_system_handover_success_KPIs._ %_Successful_distance, Cell.Siemens.Inter_system_handover_success_KPIs._ %_Successful_better_cell, Cell.Siemens.Inter_system_handover_success_KPIs._ %_Successful_directed_retry, Cell.Siemens.Inter_system_handover_success_KPIs._ %_Successful_forced_preemption, Cell.Siemens.Inter_system_handover_success_KPIs._ %_Successful_forced_OM, Cell.Siemens.Inter_system_handover_success_KPIs._ %_Successful_sufficient_UMTS_cover, Cell.Siemens.Inter_system_handover_success_KPIs._ %_Successful_DTM
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9.2.23 Siemens GSM Cell IntraCell HO Attempts Report

Siemens GSM Cell Intra Cell Handover Report (Attempted Handovers)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Attempted Handovers	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_UPLINK_QUALITY (DA), Cell.Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_DOWNLINK_QUALITY, Cell.Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_INNER_TO_COMPLETE_AREA, Cell.Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_COMPLETE_TO_INNER_AREA, Cell.Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_NEAR_TO_FAR_AREA, Cell.Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_FAR_TO_NEAR_AREA,

	Cell.Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_MAINTENANCE, Cell.Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_AMR_HALFRATE, Cell.Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_AMR_FULLRATE, Cell.Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_ENHANCED_PAIRING, Cell.Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_PREFERRED_TRX, Cell.Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_DUE_TO_MULTISLOTS, Cell.Siemens.Intracell_Handover.Attempts_compression_FR_to_HR, Cell.Siemens.Intracell_Handover.Attempts_decompression_HR_to_FR, Cell.Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_TCHAFS_to_TCHWFS, Cell.Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_TCHNHS_to_TCHWFS, Cell.Siemens.Intracell_Handover.ATTEMPTED_INTRA_HO_TCHWFS_to_TCHAFS
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9.2.24 Siemens GSM Cell IntraCell HO Distrib Report

Siemens GSM Cell Intra Cell Handover Report (Distribution Rates)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Intra Cell Handover Distribution rates	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Intracell_Handover._%_Dist_UL_quality, Cell.Siemens.Intracell_Handover._%_Dist_DL_quality, Cell.Siemens.Intracell_Handover._%_Dist_inner_To_Complete, Cell.Siemens.Intracell_Handover._%_Dist_Complete_To_Inner, Cell.Siemens.Intracell_Handover._%_Dist_Near_To_Far, Cell.Siemens.Intracell_Handover._%_Dist_Far_To_Near, Cell.Siemens.Intracell_Handover._%_Dist_Maintenance, Cell.Siemens.Intracell_Handover._%_Dist_AMR_HR, Cell.Siemens.Intracell_Handover._%_Dist_AMR_FR,

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	Cell.Siemens.Intracell_Handover._%_Dist_Enhanced_Pairing, Cell.Siemens.Intracell_Handover._%_Dist_Preferred_TRX, Cell.Siemens.Intracell_Handover._%_Dist_Multislots, Cell.Siemens.Intracell_Handover._%_Dist_FR_HR, Cell.Siemens.Intracell_Handover._%_Dist_HR_FR, Cell.Siemens.Intracell_Handover._%_Dist_WFS_NHS, Cell.Siemens.Intracell_Handover._%_Dist_NHS_WFS, Cell.Siemens.Intracell_Handover._%_Dist_WFS_AFS, Cell.Siemens.Intracell_Handover._%_Dist_AFS_WFS
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9.2.25 Siemens GSM Cell IntraCell HO Drop Report

Siemens GSM Cell Intra Cell Handover Report (Drop Rates)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Intra Cell Handover Drop rates	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Intracell_Handover._%_Dropped_UL_quality, Cell.Siemens.Intracell_Handover._%_Dropped_DL_quality, Cell.Siemens.Intracell_Handover._%_Dropped_inner_To_Complete, Cell.Siemens.Intracell_Handover._%_Dropped_Complete_To_inner, Cell.Siemens.Intracell_Handover._%_Dropped_Near_To_far, Cell.Siemens.Intracell_Handover._%_Dropped_Far_To_Near, Cell.Siemens.Intracell_Handover._%_Dropped_Maintenance, Cell.Siemens.Intracell_Handover._%_Dropped_AMR_HR, Cell.Siemens.Intracell_Handover._%_Dropped_AMR_FR, Cell.Siemens.Intracell_Handover._%_Dropped_Enhanced_Pairing, Cell.Siemens.Intracell_Handover._%_Dropped_Preferred_TRX, Cell.Siemens.Intracell_Handover._%_Dropped_Multislots, Cell.Siemens.Intracell_Handover._%_Dropped_FR_HR, Cell.Siemens.Intracell_Handover._%_Dropped_HR_FR, Cell.Siemens.Intracell_Handover._%_Dropped_WFS_NHS, Cell.Siemens.Intracell_Handover._%_Dropped_NHS_WFS, Cell.Siemens.Intracell_Handover._%_Dropped_WFS_AFS, Cell.Siemens.Intracell_Handover._%_Dropped_AFS_WFS

9.2.26 Siemens GSM Cell IntraCell HO Failure Report

Siemens GSM Cell Intra Cell Handover Report (Failure Rates)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell

Primary Object	Cell
Intra Cell Handover Failure rates	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Intracell_Handover._%_Failed_UL_quality, Cell.Siemens.Intracell_Handover._%_Failed_DL_quality, Cell.Siemens.Intracell_Handover._%_Failed_inner_to_complete, Cell.Siemens.Intracell_Handover._%_Failed_complete_to_inner, Cell.Siemens.Intracell_Handover._%_Failed_near_no_far, Cell.Siemens.Intracell_Handover._%_Failed_far_to_near, Cell.Siemens.Intracell_Handover._%_Failed_maintenance, Cell.Siemens.Intracell_Handover._%_Failed_AMR_HR, Cell.Siemens.Intracell_Handover._%_Failed_AMR_FR, Cell.Siemens.Intracell_Handover._%_Failed_enhanced_pairing, Cell.Siemens.Intracell_Handover._%_Failed_preferred_TRX, Cell.Siemens.Intracell_Handover._%_Failed_multislots, Cell.Siemens.Intracell_Handover._%_Failed_FR_HR, Cell.Siemens.Intracell_Handover._%_Failed_HR_FR, Cell.Siemens.Intracell_Handover._%_Failed_WFS_NHS, Cell.Siemens.Intracell_Handover._%_Failed_NHS_WFS, Cell.Siemens.Intracell_Handover._%_Failed_WFS_AFS, Cell.Siemens.Intracell_Handover._%_Failed_AFS_WFS

9.2.27 Siemens GSM Cell IntraCell HO Failures Report

Siemens GSM Cell Intra Cell Handover Report (Failed Handovers)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Failed Handovers	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_U PLINK_QUALITY (DA), Cell.Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_D OWNLINK_QUALITY, Cell.Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_I NNER_TO_COMPLETE_AREA, Cell.Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_C OMplete_TO_INNER_AREA, Cell.Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_N EAR_TO_FAR_AREA,

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	Cell.Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_F AR_TO_NEAR_AREA, Cell.Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_M AINTENANCE, Cell.Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_A MR_HALFRATE, Cell.Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_A MR_FULLRATE, Cell.Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_E NHANCED_PAIRING, Cell.Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_P REFERRED_TRX, Cell.Siemens.Intracell_Handover.FAILED_INTRA_HO_DUE_TO_M ULTISLOTS, Cell.Siemens.Intracell_Handover.FAILED_HO_from_TCHAFS_to_T CHWFS, Cell.Siemens.Intracell_Handover.FAILED_HO_from_TCHNHS_to_T CHWFS, Cell.Siemens.Intracell_Handover.FAILED_HO_from_TCHWFS_to_ TCHAFS, Cell.Siemens.Intracell_Handover.FAILED_HO_from_TCHWFS_to_ TCHNHS, Cell.Siemens.Intracell_Handover.Unsuccessful_compression_HO, Cell.Siemens.Intracell_Handover.Unsuccessful_decompression_HO
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9.2.28 Siemens GSM Cell IntraCell HO Success Report

Siemens GSM Cell Intra Cell Handover Report (Successful Handovers)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Successful Handovers	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Intracell_Handover.SUCCESFUL_INTRA_HO_DUE_T O_UPLINK_QUALITY (DA), Cell.Siemens.Intracell_Handover.SUCCESFUL_INTRA_HO_DUE_T O_DOWNLINK_QUALITY, Cell.Siemens.Intracell_Handover.SUCCESFUL_INTRA_HO_DUE_T O_INNER_TO_COMPLETE_AREA, Cell.Siemens.Intracell_Handover.SUCCESFUL_INTRA_HO_DUE_T O_COMPLETE_TO_INNER_AREA, Cell.Siemens.Intracell_Handover.SUCCESFUL_INTRA_HO_DUE_T O_NEAR_TO_FAR_AREA, Cell.Siemens.Intracell_Handover.SUCCESFUL_INTRA_HO_DUE_T

	O_FAR_TO_NEAR_AREA, Cell.Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_T O_MAINTENANCE, Cell.Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_T O_AMR_HALFRATE, Cell.Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_T O_AMR_FULLRATE, Cell.Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_T O_ENHANCED_PAIRING, Cell.Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_T O_PREFERRED_TRX, Cell.Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_DUE_T O_MULTISLOTS, Cell.Siemens.Intracell_Handover.Successful_compression_HO, Cell.Siemens.Intracell_Handover.Successful_decompression_HO, Cell.Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_from_ TCHWFS_to_TCHNHS, Cell.Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_from_ TCHNHS_to_TCHWFS, Cell.Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_from_ TCHWFS_to_TCHAFS, Cell.Siemens.Intracell_Handover.SUCCESSFUL_INTRA_HO_from_ TCHAFS_to_TCHWFS
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9.2.29 Siemens GSM Cell IntraCell HO Succ Report

Siemens GSM Cell Intra Cell Handover Report (Success Rates)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Intra Cell Handover Success rates	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Intracell_Handover._%_Successful_UL_quality, Cell.Siemens.Intracell_Handover._%_Successful_DL_quality, Cell.Siemens.Intracell_Handover._%_Successful_inner_to_complete, Cell.Siemens.Intracell_Handover._%_Successful_complete_to_inner, Cell.Siemens.Intracell_Handover._%_Successful_near_to_far, Cell.Siemens.Intracell_Handover._%_Successful_far_to_near, Cell.Siemens.Intracell_Handover._%_Successful_maintenance,

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	Cell.Siemens.Intracell_Handover._%_Successful_AMR_HR, Cell.Siemens.Intracell_Handover._%_Successful_AMR_FR, Cell.Siemens.Intracell_Handover._%_Successful_enhanced_pairing, Cell.Siemens.Intracell_Handover._%_Successful_perferred_TRX, Cell.Siemens.Intracell_Handover._%_Successful_multislots, Cell.Siemens.Intracell_Handover._%_Successful_WFS_NHS, Cell.Siemens.Intracell_Handover._%_Successful_NHS_WFS, Cell.Siemens.Intracell_Handover._%_Successful_WFS_AFS, Cell.Siemens.Intracell_Handover._%_Successful_AFS_WFS, Cell.Siemens.Intracell_Handover._%_Successful_FR_HR, Cell.Siemens.Intracell_Handover._%_Successful_HR_FR
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9.2.30 Siemens GSM Cell SDCCH Drop Report

Siemens GSM Cell SDCCH Drop Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
SDCCH Drops	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.SDCCH._%_SDCCH_drops, Cell.Siemens.SDCCH.Mean_time_between_SDCCH_drops (DA)

9.2.31 Siemens GSM Cell SDCCH Drop Report-NA

Siemens GSM Cell SDCCH Drop Report-NA

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
SDCCH Drops	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.SDCCH._%_SDCCH_drops

9.2.32 Siemens GSM Cell SDCCH Load Report

Siemens GSM Cell SDCCH Load Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell

SDCCH Load	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.SDCCH.MEAN_BUSY_SDCCH (DA)
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9.2.33 Siemens GSM Cell TCH Availability Report

Siemens GSM Cell TCH Availability Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
TCH Availability	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Standard_TCH_FullRate.TCH_Efficiency_Dual_Rate

9.2.34 Siemens GSM Cell TCH Blocking Report

Siemens GSM Cell TCH Blocking Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
TCH Blocking	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Cell_TCH_BH._%_TCH_blocking_full_rate (DA), Cell.Siemens.Cell_TCH_BH._%_TCH_blocking_half_rate, Cell.Siemens.Cell_TCH_BH._%_TCH_blocking_dual_rate

9.2.35 Siemens GSM Cell TCH Drop Statistics Report

Siemens GSM Cell TCH Drop Statistics Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
TCH Drop Statistics	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Clear_Message.TCH_drop (DA), Cell.Siemens.Clear_Message._%_TCH_drop,

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	Cell.Siemens.Clear_Message._%_Call_drop, Cell.Siemens.Clear_Message.Total_clear_command_msgs, Cell.Siemens.Clear_Message.Mean_time_between_TCH_drop
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9.2.36 Siemens GSM Cell TCH Seizure Blocks Report

Siemens GSM Cell TCH Seizure Blocks Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
TCH Seizure Blocks	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Extended_TCH_FullRate.attempted_tch_seizures_meeting_blocked_state_double_tsl (DA), Cell.Siemens.Concentric_TCH_FullRate.attempted_tch_seizures_meeting_blocked_state_complete, Cell.Siemens.Extended_TCH_HalfRate.attempted_tch_seizures_meeting_blocked_state_double_tsl, Cell.Siemens.Concentric_TCH_HalfRate.attempted_tch_seizures_meeting_blocked_state_complete, Cell.Siemens.Cell_TCH_BH._%_TCH_seiz_blocked_dual_rate

9.2.37 Siemens GSM Cell TCH Traffic Report

Siemens GSM Cell TCH Traffic Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
TCH Traffic	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Cell_TCH_BH.TCH_full_rate_traffic_dist, Cell.Siemens.Cell_TCH_BH.TCH_half_rate_traffic_dist

9.2.38 Siemens GSM Cell TCH Utilisation Report

Siemens GSM Cell TCH Utilisation Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell

TCH Utilisation	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Cell_TCH_BH.Offered_load (DA), Cell.Siemens.Cell_TCH_BH._%_TCH_traffic_utilisation_dual
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9.2.39 Siemens GSM InterCellInterBSC Attempts Report

Siemens GSM Cell InterCell InterBSC HO Report (Attempted Handovers)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Attempted Handovers	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_UL_quality (DA), Cell.Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_DL_quality, Cell.Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_UL_strength, Cell.Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_DL_strength, Cell.Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_distance, Cell.Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_better_cell, Cell.Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_directed_retry, Cell.Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_forced_OM, Cell.Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_fast_UL, Cell.Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_forced_preemption, Cell.Siemens.Inter_BSC_HO_attempts_KPIs.Attempts_HO_due_to_DTM

9.2.40 Siemens GSM InterCellInterBSC Failure Report

Siemens GSM Cell InterCell InterBSC HO Report (Failed Handover Rate)

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Report Feature	Details
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Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Failed Handover Rate	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Inter_BSC_HO_failure_KPIs._ %_Failure_due_to_UL_quality, Cell.Siemens.Inter_BSC_HO_failure_KPIs._ %_Failure_due_to_DL_quality, Cell.Siemens.Inter_BSC_HO_failure_KPIs._ %_Failure_due_to_UL_strength, Cell.Siemens.Inter_BSC_HO_failure_KPIs._ %_Failure_due_to_DL_strength, Cell.Siemens.Inter_BSC_HO_failure_KPIs._ %_Failure_due_to_distance, Cell.Siemens.Inter_BSC_HO_failure_KPIs._ %_Failure_due_to_better_cell, Cell.Siemens.Inter_BSC_HO_failure_KPIs._ %_Failure_due_to_directed_retry, Cell.Siemens.Inter_BSC_HO_failure_KPIs._ %_Failure_due_to_forced_OM, Cell.Siemens.Inter_BSC_HO_failure_KPIs._ %_Failure_due_to_fast_UL, Cell.Siemens.Inter_BSC_HO_failure_KPIs._ %_Failure_due_to_forced_preemption, Cell.Siemens.Inter_BSC_HO_failure_KPIs._%_Failure_due_to_DTM

9.2.41 Siemens GSM InterCellInterBSC Failures Report

Siemens GSM Cell InterCell InterBSC HO Report (Failed Handovers)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Failed Handovers	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_UL_qualit y (DA), Cell.Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_DL_qualit y, Cell.Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_UL_strengt

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	h, Cell.Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_DL_strengt h, Cell.Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_distance, Cell.Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_better_cell, Cell.Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_directed_re try, Cell.Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_forced_O M, Cell.Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_fast_UL, Cell.Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_forced_pre emption, Cell.Siemens.Inter_BSC_HO_failure_KPIs.Failed_due_to_DTM
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9.2.42 Siemens GSM InterCellInterBSC HO Distrib Report

Siemens GSM Cell InterCell InterBSC HO Report (Distribution Handover Rate)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Distribution Handover Rate	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Inter_BSC_HO_dist_KPIs._ %_Dist_due_to_UL_quality, Cell.Siemens.Inter_BSC_HO_dist_KPIs._ %_Dist_due_to_DL_quality, Cell.Siemens.Inter_BSC_HO_dist_KPIs._ %_Dist_due_to_UL_strength, Cell.Siemens.Inter_BSC_HO_dist_KPIs._ %_Dist_due_to_DL_strength, Cell.Siemens.Inter_BSC_HO_dist_KPIs._%_Dist_due_to_distance, Cell.Siemens.Inter_BSC_HO_dist_KPIs._%_Dist_due_to_better_cell, Cell.Siemens.Inter_BSC_HO_dist_KPIs._ %_Dist_due_to_directed_retry, Cell.Siemens.Inter_BSC_HO_dist_KPIs._ %_Dist_due_to_forced_OM, Cell.Siemens.Inter_BSC_HO_dist_KPIs._%_Dist_due_to_fast_UL, Cell.Siemens.Inter_BSC_HO_dist_KPIs._ %_Dist_due_to_forced_preemption, Cell.Siemens.Inter_BSC_HO_dist_KPIs._%_Dist_due_to_DTM

9.2.43 Siemens GSM InterCellInterBSC HO Drop Report

Siemens GSM Cell InterCell InterBSC HO Report (Drop Handover Rate)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Drop Handover Rate	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Inter_BSC_HO_drop_KPIs._ %_Drop_due_to_UL_quality, Cell.Siemens.Inter_BSC_HO_drop_KPIs._ %_Drop_due_to_DL_quality, Cell.Siemens.Inter_BSC_HO_drop_KPIs._ %_Drop_due_to_UL_strength, Cell.Siemens.Inter_BSC_HO_drop_KPIs._ %_Drop_due_to_DL_strength, Cell.Siemens.Inter_BSC_HO_drop_KPIs._%_Drop_due_to_distance, Cell.Siemens.Inter_BSC_HO_drop_KPIs._ %_Drop_due_to_better_cell, Cell.Siemens.Inter_BSC_HO_drop_KPIs._ %_Drop_due_to_directed_retry, Cell.Siemens.Inter_BSC_HO_drop_KPIs._ %_Drop_due_to_forced_OM, Cell.Siemens.Inter_BSC_HO_drop_KPIs._%_Drop_due_to_fast_UL, Cell.Siemens.Inter_BSC_HO_drop_KPIs._ %_Drop_due_to_forced_preemption, Cell.Siemens.Inter_BSC_HO_drop_KPIs._%_Drop_due_to_DTM

9.2.44 Siemens GSM InterCellInterBSC HO Success Report

Siemens GSM Cell InterCell InterBSC HO Report (Successful Handovers)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Successful Handovers	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_UL_q uality (DA), Cell.Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_DL_q uality, Cell.Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_UL_s

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	trength, Cell.Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_DL_s trength, Cell.Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_distan ce, Cell.Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_better _cell, Cell.Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_direct ed_retry, Cell.Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_force d_OM, Cell.Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_fast _UL, Cell.Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_force d_preemption, Cell.Siemens.Inter_BSC_HO_success_KPIs.Successful_due_to_DTM
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9.2.45 Siemens GSM InterCellInterBSC Success Report

Siemens GSM Cell InterCell InterBSC HO Report (Successful Handover Rate)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Successful Handover Rate	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Inter_BSC_HO_success_KPIs._ %_Success_due_to_UL_quality, Cell.Siemens.Inter_BSC_HO_success_KPIs._ %_Success_due_to_DL_quality, Cell.Siemens.Inter_BSC_HO_success_KPIs._ %_Success_due_to_UL_strength, Cell.Siemens.Inter_BSC_HO_success_KPIs._ %_Success_due_to_DL_strength, Cell.Siemens.Inter_BSC_HO_success_KPIs._ %_Success_due_to_distance, Cell.Siemens.Inter_BSC_HO_success_KPIs._ %_Success_due_to_better_cell, Cell.Siemens.Inter_BSC_HO_success_KPIs._ %_Success_due_to_directed_retry, Cell.Siemens.Inter_BSC_HO_success_KPIs._ %_Success_due_to_forced_OM, Cell.Siemens.Inter_BSC_HO_success_KPIs._ %_Success_due_to_fast_UL, Cell.Siemens.Inter_BSC_HO_success_KPIs._

	%_Success_due_to_forced_preemption, Cell.Siemens.Inter_BSC_HO_success_KPIs._ %_Success_due_to_DTM
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9.2.46 Siemens GSM InterCellIntraBSC Attempts Report

Siemens GSM Cell Inter Cell Handover Report (Attempted Handovers)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Attempted Handovers	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_UL_quality (DA), Cell.Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_DL_quality, Cell.Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_UL_strength, Cell.Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_DL_strength, Cell.Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_distance, Cell.Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_better_cell, Cell.Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_directed_retry, Cell.Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_forced_OM, Cell.Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_traffic, Cell.Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_fast_UL, Cell.Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_forced_preempt, Cell.Siemens.Intra_BSC_handover_attempt_KPIs.Attempts_HO_due_to_DTM

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9.2.47 Siemens GSM InterCellIntraBSC Failure Report

Siemens GSM Cell Inter Cell Handover Report (Failed Handovers rates)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Failed Handover rates	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Intra_BSC_handover_failure_KPIs._ %_Failure_UL_quality, Cell.Siemens.Intra_BSC_handover_failure_KPIs._ %_Failure_DL_quality, Cell.Siemens.Intra_BSC_handover_failure_KPIs._ %_Failure_UL_strength, Cell.Siemens.Intra_BSC_handover_failure_KPIs._ %_Failure_DL_strength, Cell.Siemens.Intra_BSC_handover_failure_KPIs._ %_Failure_distance, Cell.Siemens.Intra_BSC_handover_failure_KPIs._ %_Failure_better_cell, Cell.Siemens.Intra_BSC_handover_failure_KPIs._ %_Failure_directed_retry, Cell.Siemens.Intra_BSC_handover_failure_KPIs._ %_Failure_forced_OM, Cell.Siemens.Intra_BSC_handover_failure_KPIs._%_Failure_traffic, Cell.Siemens.Intra_BSC_handover_failure_KPIs._ %_Failure_fast_UL, Cell.Siemens.Intra_BSC_handover_failure_KPIs._ %_Failure_forced_preemption, Cell.Siemens.Intra_BSC_handover_failure_KPIs._%_Failure_DTM

9.2.48 Siemens GSM InterCellIntraBSC Failures Report

Siemens GSM Cell Inter Cell Handover Report (Failed Handovers)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Failed Handovers	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_ UL_quality (DA), Cell.Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_ DL_quality,

	Cell.Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_UL_strength, Cell.Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_DL_strength, Cell.Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_distance, Cell.Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_better_cell, Cell.Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_directed_retry, Cell.Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_forced_OM, Cell.Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_traffic, Cell.Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_fast_UL, Cell.Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_forced_preemption, Cell.Siemens.Intra_BSC_handover_failure_KPIs.Failed_HO_due_to_DTM
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9.2.49 Siemens GSM InterCellIntraBSC HO Distrib Report

Siemens GSM Cell Inter Cell Handover Report (Distribution Handovers rate)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Distribution Handover rate	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Intra_BSC_handover_dist_KPIs._%_Dist_UL_quality, Cell.Siemens.Intra_BSC_handover_dist_KPIs._%_Dist_DL_quality, Cell.Siemens.Intra_BSC_handover_dist_KPIs._%_Dist_UL_strength, Cell.Siemens.Intra_BSC_handover_dist_KPIs._%_Dist_DL_strength, Cell.Siemens.Intra_BSC_handover_dist_KPIs._%_Dist_distance, Cell.Siemens.Intra_BSC_handover_dist_KPIs._%_Dist_better_cell, Cell.Siemens.Intra_BSC_handover_dist_KPIs._%_Dist_directed_retry, Cell.Siemens.Intra_BSC_handover_dist_KPIs._%_Dist_forced_OM, Cell.Siemens.Intra_BSC_handover_dist_KPIs._%_Dist_traffic,

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	Cell.Siemens.Intra_BSC_handover_dist_KPIs._%_Dist_fast_UL, Cell.Siemens.Intra_BSC_handover_dist_KPIs._ %_Dist_forced_preemption, Cell.Siemens.Intra_BSC_handover_dist_KPIs._%_Dist_DTM
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9.2.50 Siemens GSM InterCellIntraBSC HO Drop Report

Siemens GSM Cell Inter Cell Handover Report (Drop Handovers rate)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Drop Handover rate	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Intra_BSC_handover_drop_KPIs._%_Drop_UL_quality, Cell.Siemens.Intra_BSC_handover_drop_KPIs._%_Drop_DL_quality, Cell.Siemens.Intra_BSC_handover_drop_KPIs._ %_Drop_UL_strength, Cell.Siemens.Intra_BSC_handover_drop_KPIs._ %_Drop_DL_strength, Cell.Siemens.Intra_BSC_handover_drop_KPIs._%_Drop_distance, Cell.Siemens.Intra_BSC_handover_drop_KPIs._%_Drop_better_cell, Cell.Siemens.Intra_BSC_handover_drop_KPIs._ %_Drop_directed_retry, Cell.Siemens.Intra_BSC_handover_drop_KPIs._%_Drop_forced_OM, Cell.Siemens.Intra_BSC_handover_drop_KPIs._%_Drop_traffic, Cell.Siemens.Intra_BSC_handover_drop_KPIs._%_Drop_fast_UL, Cell.Siemens.Intra_BSC_handover_drop_KPIs._ %_Drop_forced_preemption, Cell.Siemens.Intra_BSC_handover_drop_KPIs._%_Drop_DTM

9.2.51 Siemens GSM InterCellIntraBSC HO Success Report

Siemens GSM Cell Inter Cell Handover Report (Successful Handovers)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Successful Handovers	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Intra_BSC_handover_success_KPIs.Successful_HO_du e_to_UL_quality (DA), Cell.Siemens.Intra_BSC_handover_success_KPIs.Successful_HO_du e_to_DL_quality,

	Cell.Siemens.Intra_BSC_handover_success_KPIs.Successful_HO_du e_to_UL_strength, Cell.Siemens.Intra_BSC_handover_success_KPIs.Successful_HO_du e_to_DL_strength, Cell.Siemens.Intra_BSC_handover_success_KPIs.Successful_HO_du e_to_distance, Cell.Siemens.Intra_BSC_handover_success_KPIs.Successful_HO_du e_to_better_cell, Cell.Siemens.Intra_BSC_handover_success_KPIs.Successful_HO_du e_to_directed_retry, Cell.Siemens.Intra_BSC_handover_success_KPIs.Successful_HO_du e_to_forced_OM, Cell.Siemens.Intra_BSC_handover_success_KPIs.Successful_HO_du e_to_traffic, Cell.Siemens.Intra_BSC_handover_success_KPIs.Successful_HO_du e_to_fast_UL, Cell.Siemens.Intra_BSC_handover_success_KPIs.Successful_HO_du e_to_forced_preempt, Cell.Siemens.Intra_BSC_handover_success_KPIs.Successful_HO_du e_to_DTM
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9.2.52 Siemens GSM InterCellIntraBSC Success Report

Siemens GSM Cell Inter Cell Handover Report (Successful Handovers rates)

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.Cell
Primary Object	Cell
Successful Handover rates	Cell.Cell_Id, Cell.Cell_Name, Cell.BSC_Id, Cell.Siemens.Intra_BSC_handover_success_KPIs._ %_Successful_UL_quality, Cell.Siemens.Intra_BSC_handover_success_KPIs._ %_Successful_DL_quality, Cell.Siemens.Intra_BSC_handover_success_KPIs._ %_Successful_DL_strength, Cell.Siemens.Intra_BSC_handover_success_KPIs._ %_Successful_distance, Cell.Siemens.Intra_BSC_handover_success_KPIs._ %_Successful_better_cell,

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	Cell.Siemens.Intra_BSC_handover_success_KPIs._ %_Successful_directed_retry, Cell.Siemens.Intra_BSC_handover_success_KPIs._ %_Successful_forced_OM, Cell.Siemens.Intra_BSC_handover_success_KPIs._ %_Successful_traffic, Cell.Siemens.Intra_BSC_handover_success_KPIs._ %_Successful_fast_UL, Cell.Siemens.Intra_BSC_handover_success_KPIs._ %_Successful_forced_preemption, Cell.Siemens.Intra_BSC_handover_success_KPIs._ %_Successful_DTM
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9.3 TRX Reports.

This section shows reports for the TRX object.

- [Siemens GSM TRX Power Downlink Report](#)
- [Siemens GSM TRX Power Uplink Report](#)
- [Siemens GSM TRX Quality Downlink Report](#)
- [Siemens GSM TRX Quality Uplink Report](#)

9.3.1 Siemens GSM TRX Power Downlink Report

Siemens GSM TRX Power Downlink Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.TRX
Primary Object	TRX
Power (Downlink)	TRX.TRX_Id, TRX.TRX_Name, TRX.Cell_Id, TRX.BSC_Id, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXLEV_DL_Dist_Band_0, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXLEV_DL_Dist_Band_1, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXLEV_DL_Dist_Band_2, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXLEV_DL_Dist_Band_3, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXLEV_DL_Dist_Band_4, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXLEV_DL_Dist_Band_5, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXLEV_DL_Dist_Band_6,

	TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXLEV_DL_Dist_Band_7
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9.3.2 Siemens GSM TRX Power Uplink Report

Siemens GSM TRX Power Uplink Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.TRX
Primary Object	TRX
Power (Uplink)	TRX.TRX_Id, TRX.TRX_Name, TRX.Cell_Id, TRX.BSC_Id, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXLEV_UL_Dist_Band_0, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXLEV_UL_Dist_Band_1, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXLEV_UL_Dist_Band_2, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXLEV_UL_Dist_Band_3, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXLEV_UL_Dist_Band_4, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXLEV_UL_Dist_Band_5, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXLEV_UL_Dist_Band_6, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXLEV_UL_Dist_Band_7

9.3.3 Siemens GSM TRX Quality Downlink Report

Siemens GSM TRX Quality Downlink Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.TRX
Primary Object	TRX
Quality (Downlink)	TRX.TRX_Id, TRX.TRX_Name, TRX.Cell_Id, TRX.BSC_Id, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._

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	%_RXQUAL_DL_DIST_Band_0, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXQUAL_DL_DIST_Band_1, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXQUAL_DL_DIST_Band_2, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXQUAL_DL_DIST_Band_3, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXQUAL_DL_DIST_Band_4, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXQUAL_DL_DIST_Band_5, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXQUAL_DL_DIST_Band_6, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXQUAL_DL_DIST_Band_7
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9.3.4 Siemens GSM TRX Quality Uplink Report

Siemens GSM TRX Quality Uplink Report

Report Feature	Details
Report Tree Branch	System.GSMGPRS.Engineering.BSS.Siemens.TRX
Primary Object	TRX
Quality (Uplink)	TRX.TRX_Id, TRX.TRX_Name, TRX.Cell_Id, TRX.BSC_Id, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXQUAL_UL_DIST_Band_0 (DA), TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXQUAL_UL_DIST_Band_1, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXQUAL_UL_DIST_Band_2, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXQUAL_UL_DIST_Band_3, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXQUAL_UL_DIST_Band_4, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXQUAL_UL_DIST_Band_5, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXQUAL_UL_DIST_Band_6, TRX.Siemens.Correlated_RXLEV_to_RXQUAL_KPIs._ %_RXQUAL_UL_DIST_Band_7

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