Log to Scenario Converter

Support Message and Restrictions

MX702500B

Introduction

This document provides specifications for support message and restrictions of MX702500B Log to Scenario Converter (LSC). Refer to Brochure for product feature and configurations.

Support of 3GPP Standards

RRC: 3GPP TS25.331 Chapter 11 (September 2009, Release 7)
NAS: 3GPP TS24.008 Chapter 9 (June 2001, Release 99)
RLC/MAC: 3GPP TS04.60 CSN, 1 definition
NAS messages other than 3GPP TS24.008 * are not supported. Remove such messages from the input log.
*: Except PagingResponce

Required Equipment

The following equipment is required in order to execute C scenarios created with this software

MD8470A Signalling Tester *1, *2, *3
Operation verified version
(Firmware/FPGA/Control Software (MX847010A))
V3.00 Cipher
V4.00 Cipher
V5.00 Cipher
V6.01 Cipher
V6.02 Cipher
V6.03 Cipher
V7.01 Cipher
V7.02 Cipher

MD8480C W-CDMA Signalling Tester *1, *2, *3
Operation verified version
(Firmware/FPGA/Control Software (MX848040C))
V5.40 Cipher
V5.50 Cipher
V5.60 Cipher
V5.70 Cipher
V6.00 Cipher
V6.10 Cipher
V6.20 Cipher
V7.10 Cipher
V7.20 Cipher

MD8480B W-CDMA Signalling Tester(Discontinued) *1, *2
Operation verified version
(Firmware/FPGA/Control Software (MX848040A))
V5.40 Cipher
V5.50 Cipher
V5.60 Cipher
V5.70 Cipher

V5.72 Cipher

Additionally, hardware option and software option must be provided according to the execution contents.

*1: When executing the GSM Cipher A5/1 feature, version 5.30 Cipher or higher software is required.
*2: When executing the GPRS Cipher GEA1/2 feature, version 5.40 Cipher or higher software is required.
*3: To execute the GSM Cipher A5/3, GPRS Cipher GEA3 features, the MD8480C provided with the TDMA2 board and version 5.60 Cipher or higher software is required.

Support Messages

Layer 3 messages supported by LSC (Ver. 3.0.0) are displayed in Table 2 ‘Log to Scenario Converter's Supported Messages’. For the support status, see Table 1 below.

Table 1.Support Status

Support Status	Details
Supported	Transmit/receive messages. Edit the required message parameters according to the settings.
Partially supported	Transmit/receive messages. Edit some of the message parameters.
Not supported	Transmit/receive messages. Edit some of the message parameters.

Table 2.Support Messages

	Message	Support Status
MM	Authentication reject	Supported
	Authentication request	Supported
	Authentication response	Supported
	Authentication Failure	Not supported
	CM Re-establishment request	Not supported
	CM service accept	Supported
	CM service prompt $(CCBS)$	Not supported
	CM service reject	Supported
	CM service abort	Supported
	Abort	Supported
	CM service request	Supported
	Identity request	Supported
	Identity response	Supported
	IMSI detach indication	Supported
	Location updating accept	Supported
	Location updating reject	Supported
	Location updating request	Supported
	MM information	Not supported
	MM Status	Supported
	TMSI reallocation command	Supported
	TMSI reallocation complete	Supported
	Authentication reject	Not supported
CC	Alerting	Supported
	Call confirmed	Supported
	Call proceeding	Supported
	Congestion control	Partially supported
	Connect	Supported
	Connect acknowledge	Supported
	Disconnect	Supported
	Emergency setup	Partially supported
	Facility	Supported
	Hold	Partially supported
	Hold Acknowledge	Partially supported
	Hold Reject	Partially supported
	Modify	Partially supported
	Modify complete	Partially supported
	Modify reject	Partially supported

CC	Notify	Partially supported
	Progress	Partially supported
	CC-Establishment $(CCBS)$	Partially supported
	CC-Establishment confirmed $(CCBS)$	Partially supported
	Release	Supported
	Recall $(CCBS)$	Partially supported
	Release complete	Supported
	Retrieve	Partially supported
	Retrieve Acknowledge	Partially supported
	Retrieve Reject	Partially supported
	Setup	Supported
	Start CC $(CCBS)$	Partially supported
	Start DTMF	Partially supported
	Start DTMF Acknowledge	Partially supported
	Start DTMF reject	Partially supported
	Status	Supported
	Status enquiry	Partially supported
	Stop DTMF	Partially supported
	Stop DTMF acknowledge	Partially supported
	User information	Partially supported
GMM	Attach request	Supported
	Attach accept	Supported
	Attach complete	Supported
	Attach reject	Supported
	Detach request	Supported
	Detach accept	Supported
	P-TMSI reallocation command	Supported
	P-TMSI reallocation complete	Supported
	Authentication and ciphering request	Supported
	Authentication and ciphering response	Supported
	Authentication and Ciphering Failure	Not supported
	Authentication and ciphering reject	Supported
	Identity request	Supported
	Identity response	Supported
	Routing area update request	Supported
	Routing area update accept	Supported
	Routing area update complete	Supported
	Routing area update reject	Partially supported
	GMM Status	Supported
	GMM Information	Partially supported
	Service Request (UMTS only)	Supported
	Service Accept (UMTS only)	Supported
	Service Reject (UMTS only)	Partially supported
SM	Activate PDP context request	Supported
	Activate PDP context accept	Supported
	Activate PDP context reject	Not supported
	Activate Secondary PDP Context request	Partially supported
	Activate Secondary PDP Context accept	Partially supported
	Activate Secondary PDP Context reject	Not supported
	Request PDP context activation	Not supported
	Request PDP context activation reject	Not supported
	Modify PDP context request (Network to MS direction)	Not supported
	Modify PDP context request (MS to network direction)	Not supported
	Modify PDP context accept (MS to network direction)	Not supported
	Modify PDP context accept (Network to MS direction)	Not supported
	Modify PDP Context Reject	Not supported
	Deactivate PDP context request	Supported
	Deactivate PDP context accept	Supported
	SM Status	Supported

SS	RESISTER (MS to NW)	Supported
	REGISTER (NW to MS)	Supported
	FACILITY	Supported
	SS-RELEASE COMP	Supported
SMS	CP-DATA	Supported
	CP-DATA-ACK	Supported
	CP-ERROR	Partially supported
RRC	ActiveSetUpdate	Supported
	ActiveSetUpdateComplete	Supported
	ActiveSetUpdateFailure	Supported
	AssistanceDataDelivery	Partially supported
	CellChangeOrderFromUTRAN	Supported
	CellChangeOrderFromUTRANFailure	Not supported
	CellUpdate	Supported
	CellUpdateConfirm	Partially supported
	CounterCheck	Partially supported
	CounterCheckResponse	Partially supported
	DownlinkDirectTransfer	Supported
	HandoverFromUTRANCommand-CDMA2000	Not supported
	HandoverFromUTRANCommand-GSM	Supported
	HandoverFromUTRANFailure	Not supported
	HandoverToUTRANCommand	Supported
	HandoverToUTRANComplete	Supported
	MasterInformationBlock	Supported
	MeasurementControl	Partially supported
	MeasurementControlFailure	Not supported
	MeasurementReport	Partially supported
	PagingType1	Partially supported
	PagingType2	Partially supported
	PhysicalChannelReconfiguration	Supported
	PhysicalChannelReconfigurationComplete	Supported
	PhysicalChannelReconfigurationFailure	Not supported
	RadioBearerReconfiguration	Supported
	RadioBearerReconfigurationComplete	Supported
	RadioBearerReconfigurationFailure	Not supported
	RadioBearerRelease	Supported
	RadioBearerReleaseComplete	Supported
	RadioBearerReleaseFailure	Not supported
	RadioBearerSetup	Supported
	RadioBearerSetupComplete	Supported
	RadioBearerSetupFailure	Not supported
	RrcConnectionReject	Partially supported
	RrcConnectionRelease	Supported
	RrcConnectionReleaseComplete	Supported
	RrcConnectionRequest	Supported
	RrcConnectionSetup	Supported
	RrcConnectionSetupComplete	Supported
	RrcStatus	Partially supported
	SecurityModeCommand	Supported
	SecurityModeComplete	Supported
	SecurityModeFailure	Not supported
	SignallingConnectionRelease	Supported
	SignallingConnectionReleaseIndication	Supported
	SysInfoType1	Supported
	SysInfoType10	Partially supported
	SysInfoType11	Supported
	SysInfoType12	Partially supported
	SysInfoType13	Partially supported
	SysInfoType13-1	Partially supported

RRC	SysInfoType13-2	Partially supported
	SysInfoType13-3	Partially supported
	SysInfoType13-4	Partially supported
	SysInfoType14	Partially supported
	SysInfoType15	Partially supported
	SysInfoType15-1	Partially supported
	SysInfoType15-2	Partially supported
	SysInfoType15-3	Partially supported
	SysInfoType15-4	Partially supported
	SysInfoType16	Not supported
	SysInfoType17	Partially supported
	SysInfoType18	Partially supported
	SysInfoType2	Partially supported
	SysInfoType3	Supported
	SysInfoType4	Partially supported
	SysInfoType5	Supported
	SysInfoType5bis	Supported
	SysInfoType6	Partially supported
	SysInfoType7	Partially supported
	SysInfoType8	Partially supported
	SysInfoTypeSB1	Supported
	SysInfoTypeSB2	Supported
	System Information Change Indication	Partially supported
	TransportChannelReconfiguration	Supported
	TransportChannelReconfigurationComplete	Supported
	TransportChannelReconfigurationFailure	Not supported
	TransportFormatCombinationControl	Partially supported
	TransportFormatCombinationControlFailure	Not supported
	UeCapabilityEnquiry	Supported
	UeCapabilityInformation	Supported
	UeCapabilityInformationConfirm	Supported
	UplinkPhysicalChannelControl	Not supported
	UraUpdate	Supported
	UraUpdateConfirm	Supported
	UtranMobilityInformation	Partially supported
	UtranMobilityInformationConfirm	Partially supported
	UtranMobilityInformationFailure	Not supported
RLC/MAC	Packet System Information Type1	Supported
	Packet System Information Type2	Supported
	Packet System Information Type3	Supported
	Packet System Information Type3bis	Supported
	Packet System Information Type3ter	Supported
	Packet System Information Type3quater	Supported
	Packet System Information Type4	Supported
	Packet System Information Type5	Supported
	Packet System Information Type6	Supported
	Packet System Information Type7	Supported
	Packet System Information Type8	Supported
	Packet System Information Type13	Supported
	Packet System Information Type14	Supported
	Packet System Information Type15	Supported
	Packet Cell Change Order	Supported
	Packet Channel Request	Supported
	Packet Paging Request	Supported
	Packet Measurement Order	Supported
	Packet Cell Change Failure	Not supported
	Packet Measurement Report	Supported
TC	CLOSE UE TEST LOOP	Not supported
	CLOSE UE TEST LOOP COMPLETE	Not supported

TC	OPEN UE TEST LOOP	Not supported
	OPEN UE TEST LOOP COMPLETE	Not supported
	ACTIVATE RB TEST MODE	Not supported
	ACTIVATE RB TEST MODE COMPLETE	Not supported
	DEACTIVATE RB TEST MODE	Not supported
	DEACTIVATE RB TEST MODE COMPLETE	Not supported
	RESET UE POSITIONING STORED INFORMATION	Not supported
	UE TEST LOOP MODE 3 RLC SDU COUNTER REQUEST	Not supported
	UE TEST LOOP MODE 3 RLC SDU COUNTER RESPONSE	Not supported

Restrictions

Restrictions on scenarios generated by the software

1. Restriction related to signaling tester control function
   i Parameters whose value cannot be determined from messages are fixed values.
2. Other restrictions
   i The channel settings resulting from the failure sequence are not supported.

Feature scope related restrictions

1. The feature scope supported by the software is limited to the feature scope supported by the MD8480B/C and MD8470A. However, this does not mean that the feature scope supported by the MD8480B/C and MD8470A is 100% supported.
2. Abnormal and quasi-normal sequence reproduction is not supported.

Restrictions on WCDMA

1. Restrictions related to message
   i BCCH Modification is not supported.
   ii NonCriticalExtentions is not supported.
2. Restrictions related to signalling tester control function
   i The LochNo of CRLC_CONFIG_PAR(DTCH) are CS domains 0 to 2 and PS domains 3 to 5.
   ii The LochNo of CRLC_CONFIG_PAR(DCCH) is assigned in ascending order starting from ‘1’.
   iii The settings related to the TE layer are fixed values.
   iv The value of SIB1 is used for DRXCycleLength. Re-setting in the other messages is not supported.
   v TxDiversity is not supported. The parameters are always output as OFF.
3. Restrictions related to CellConfig parameter
   i BTSOffset of each cell must be divisible by 256.
   ii The ScramblingCode rewrite feature of SIB11 if ScramblingCode does not exist in the target cell in the neighbor cell list (IntraFreq) of SIB11. The first ScramblingCode that does not match any of the ScramblingCode of each cell specified in CellConfig in the neighbor cell list is converted to the ScramblingCode of the target cell.
   iii MNC of each cell must be set to a number of digits equal to or smaller than MNC included in MIB.
4. Restrictions related to Paging
   i The operation of pagingType1 has been verified for IMSI, TMSI, and P-TMSI.
   ii IMSI embedded in pagingType1 is fixed to 15 octets.
5. Restrictions related to Ciphering
   i The position of RAND/AUTN embedded in AuthenticationRequest/Authentication&CipheringReques is fixed.
   ii The parameters required during ciphering and the data embedding position in layer 3 messages, etc., are output as fixed values.
6. Restrictions related to CompressedMode
   The following messages are used as triggers. CompressedMode processing through messages other than those listed below is not supported.
   i RadioBearerSetup
   ii RadioBearerReconfiguration
   iii PhysicalChannelReconfiguration
   iv TransportChannelReconfiguration
   v MeasurementControl
7. Restrictions related to power control
   i Power control for generating various types of events received by MeasurementReport included in the log is not performed.

ii In the case of SHO/HHO/CellReselection, LSC generates power control and event MeasurementReport reception processing. Events to be output and power variables are fixed.

8. Restrictions related to channel offset
   i As the offset of the DPCH channel, the value automatically calculated by LSC is set to the message and signaling tester control function.
   ii The value obtained by dividing by 512 the difference between the currently connected channel and the channel to be switched to is output to default DPCH-OffsetValue.
   iii The value obtained by dividing by 256 the difference between the currently connected channel and the channel to be switched to is output to default dpch-FrameOffse.
   iv In the case of SHO/HHO/CellReselection, the channel difference is calculated from px_BTSOffset and px_SFNOffset of CellConfig. Whether to perform calculations according to the values of the message parameters (tm, OFF) included in the logs is set with CellConfig.
   v The specification of cfnHandling in the message should be initialized to use log value for DOFF (Px_DOFF=-1 is effectively set).
9. Restrictions related to PDCP
   i IP header compression is not supported.
   ii TCP_SPACE, NON_TCP_SPACE, and EXPECT_REORDERING are not supported.
   iii Re-setting of PDCP is not supported.
   iv SRNS Relocation is not supported.
10. Restrictions related to BMC
   i BMC supports only Manual Mode. Auto Mode is not supported.
   ii BMC is not supported during multi-cell.
   iii Only SIB5 is supported for Level1 Information of CBS.
   iv A maximum of 10 messages can be set to the BMC layer.
   v The number of system transmissions is fixed to an infinite number of times.
   vi TrchID of FACH used by CTCH must be specified with SIB5 as follows.
      □ When there is 1 SCCPCH (FACHxPCH_BMC). TrchID of which FACH is lower other than PCH among the FACH-PCH-Information lists (3 items) must be allocated.
      □ When there is 2 SCCPCH (FACH_BMC). The lowest number among the FACH-PCH-Information lists of S_CCPCH that are not PCH must be allocated.
11. Restrictions related to timing control
   i Regarding timing control such as bearer setting change, the setting value must be adjusted according to the mobile terminal. Further, depending on the mobile terminal, it may not be possible to set the suitable timing, such as when the wait timing differs according to the message. The main timing control processing actions are the following.
      □ ActivationTime during status switching
      □ AM_DATA_CNF reception timeout during message transmission
      □ Wait time during CellUpdateConfirm transmission
12. Other restrictions
   i Bcch-Fach message transmission is not supported.

Restrictions on WCDMA Multi-cell

1. Common restrictions
   i Multiple system information for which a suitable PrimaryScramblingCode has been set is required.
   ii SHO and InterFreq HHO cannot be executed with 1 scenario.
   iii SHO and InterFreq Cell Reselection cannot be executed with 1 scenario.
   iv It does not correspond if the value of rlc-OneSidedReEst of RadiobearerReconfigration is set to TRUE.
2. Restrictions related to Soft Handover (SHO)
   i The maximum number of cells is 3 cells.
   ii The following message operates as a trigger.
      □ ActiveSetUpdate
   Regarding the above message, if the PrimaryScramblingCode value in the message matches any of the starting cells values, SHO will be executed.
   iii Each cell of BTSOffset must be divided by 512.
   iv DPCH-FrameOffset included in ActiveSetUpdate is changed to the value obtained by dividing the difference between the connected cell and BTSOffset by 256.
3. Restrictions related to Hard Handover (HHO)
   i The maximum number of cells is 2 cells.
   ii The following message operates as a trigger.
      □ RadioBearerReconfiguration

- □ PhysicalChannelReconfiguration
- □ TransportChannelReconfiguration

Regarding the above messages, if the PrimaryScramblingCode value in the message differs from the value of the currently connected cell, and matches the value of any of the starting cells, it is regarded as HHO.

iii Each cell of BTSOffset must be divided by 512.

4. Restrictions related to Cell Reselection
   - i The maximum number of cells is 2 cells.
   - ii The variation in the BTS power output for phenomenon reproduction is fixed.
   - iii The following message operates as a trigger.
     - □ CellUpdate *1
     - □ UraUpdate *1
     - □ RrcConnectionRequest *2
   - iv Each cell of BTSOffset must be devided by 512.
   - v Cell Reselection does not operate when a message other than CellUpdateConfirm comes immediately after CellUpdate during cell switch through CellUpdate.

*1: Cell Reselection through CellUpdate/UraUpdate operates in the following case. Regarding the above messages, if PrimaryScramblingCode in the message matches the value of the neighboring cell (BTS2 when connected to BTS1, and BTS1 when connected to BTS2), and the cause in the message is either 'cellReselection' or 'changeOfUra'. However, the following cases are excluded.

- i When CellUpdate in the following messages is received (CellReselection is not done during status switch).
  - ✧ PhysicalChannelReconfiguration to Complete
  - ✧ TransportChannelReconfiguration to Complete
  - ✧ RadioBearerReconfiguration to Complete
  - ✧ RadioBearerRelease to Complete
- ii When CellUpdate is received immediately after switch to CELL_PCH

*2: Cell Reselection through rrcConnectionRequest operates in the following case. Regarding rrcConnectionSetup transmitted following the above messages, when PrimaryScramblingCode in the message matches the value of the neighboring cell (BTS2 when connected to BTS1, and BTS1 when connected to BTS2).

Restrictions on HSDPA

1. Common restrictions
   - i The following message operates as a trigger.
     - □ RadioBearerSetup
     - □ RadioBearerReconfiguration
     - □ RadioBearerRelease
     - □ PhysicalChannelReconfigration
     - □ CellUpdateConfirm
   - ii HSDPA starts up under the following conditions.
     - □ When RB is mapped to hsdsch (hsdsch is included in TransportChannelType in rb-MappingInfo).
     - □ When hsdsch is set to TransportChannel
   - iii Started up HSDPA ends under the following conditions.
     - □ When RB mapped to hsdsch ceases to exist
     - □ When hsdsch is deleted from TransportChannel
   - iv The case when HSDPA channel (HSDSCH) is included in SRB is not supported.
   - v Among the HSDPA related parameters output to the scenario, the following values must be specified by the user with CellConfig.
     - □ Parameter related to channel power of HSDPA
     - □ Parameter related to IRBufferSize, TFRI, orTTI
   - vi Category of HSDPA is set from the LSC log Capability value included in rrcConnectionsetupComplete or from [UTRANCell*]-[px_HS_DSCH_Category] of Cell Config. However, to use the value of Capability included in rrcConnectionsetupComplete, it is necessary to start the HSDPA after the reception of rrcConnectionSetupComplete.
   - vii For the category, refer to Table 5.1.a of the TS25.306 3GPP standards (Rel15 December 2004 version).
   - viii Among the parameters related to HSDPA output to the scenario, the following values are fixed.
     - □ CQI related parameters

- ReTrans (resent) related pamaeters

ix If the power of cells other than transmitting cells is high during data transmission with HSDPA, a large number of NAK may be returned on the MAC-hs layer.

x Since the data communication throughput depends to a large degree on the test environment, it falls outside the operation guarantee scope.

Restrictions on HSUPA

1. Common restrictions

i The following message operates as a trigger.
- RadioBearerSetup
- RadioBearerReconfiguration
- RadioBearerRelease
- PhysicalChannelReconfigration
- CellUpdateConfirm

ii HSDPA starts up under the following conditions.
- When RB is mapped to e-dch (hsdsch is included in TransportChannelType in rb-MappingInfo)
- When e-dch is set to TransportChannel

iii Started up HSDPA ends under the following conditions.
- When RB mapped to e-dch ceases to exist
- When e-dchis deleted from TransportChannel

iv Among the HSDPA related parameters output to the scenario, the following values must be specified by the user with CellConfig.
- Parameter related to HSUPA channel power
- DummyE-Rnti of E-AGCH
- E-DCH E-DPCCH Threshold
- E-DCH MACes WindowSize
- E-DCH MACes Timer
- Transmission pattern of E-RGCH (only one type)
- Transmission pattern of E-AGCH (only one type)

v Category is automatically selected from the value of rrcConnectionsetupComplete.

vi CompressedMode operation during HSUPA startup is not supported.

vii Since the data communication throughput depends to a large degree on the test environment, it falls outside the operation guarantee scope.

Restrictions on InterRAT

1. Common restrictions

i W-CDMA multicell and GSM cannot be used simultaneously.

ii The operation when CCH and TCH are different frequency bands has not been verified.

iii SMS has been verified only for transmission/reception with SDCCH4/8. SMS transmission/reception with SACCH, GPRS has not been verified.

iv Lossless InterRAT Cell Change is not supported.

v specificationMode of Inter System To UTRAN Handover Command supports only defaultConfig for which defaultConfigIdentity is 3 in preconfiguration. Inter System To UTRAN Handover Command using predefinedConfigIdentity of SIB16 is not supported.

vi During handover from W-CDMA to GSM, the case when the type of ‘gsm-message’ IE of handoverFromUTRANCommand-GSM is ‘single-GSM-Message’ is not supported.

vii HANDOVER TO UTRAN COMMAND and defaultConfigIdentity of RRC CONNECTION SETUP correspond only to ID0, ID3, ID17, and ID22.

2. Restrictions related to signaling tester control function

i The setting related to TE layer is a fixed value.

3. Restriction related to Ciphering

i The position of RAND/AUTN embedded in AuthenticationRequest/Authentication&CipheringRequest is fixed.

ii The parameters required during ciphering and the data embedding position in layer 3 messages, etc., are output as fixed values.

4. Restrictions related to PDTCH

i Regarding GRR auto reply messages (PacketUplinkAssignmentMessage, PacketDownlinkAssignmentMessage, etc.), LSC performs output automatically based on the CellConfig setting information or the sequence information.

ii The operation has been verified only when the value of TimeslotNumber (px_PtchTN) of PDTCH is 3.

5. Restrictions related to PBCCH/PCCCH
   i For PBCCH transmission/reception, SI13, PSI1, and PSI2 must be in the log.
   ii The PacketSystemInformation message in the input log must be immediately after the SystemInformation message.
   iii CCH and PCCH must be the same frequency.
   iv PCCCH can be used only in Timeslot1. (Same for uplink and downlink)
   v PDTCH during PCCCH use operates only in SingleSlot.
   vi The PCCCH/PDTCH combination cannot be guaranteed.
   vii Only HR (HighRepetition) is supported as the PSI transmission category.
6. Restrictions on U-RNTI and C-RNTI
   i If an input log sequence contains multiple U-RNTIs or C-RNTIs, the last U-RNTI or C-RNTI is set for the BTS (no U-RNTIs and C-RNTIs in the message are changed).

Restrictions on GSM Multi-cell

1. Common restrictions
   i The maximum number of cells is 2 cells.
   ii A number of system information items corresponding to the number of cells to be used must be prepared.
   iii If 2 GSM cells are used, no UTRAN cell can be used.
   iv The frequency of each cell (frequency of CCH) is specified with CellConfig.
2. Restrictions related to cell switching
   i The following message operates as a trigger.
   - □ Handover Command
   - □ Cell Reselection tag *
   - □ Packet Cell Change Order

   *: Since GSM Cell Reselection judgment is not possible from logs, this is realized by attaching a Cell Reselection tag to the applicable location.
   ii The system considers that the same cell is always used until the trigger message is displayed.
   iii The power during cell switching is automatically adjusted by LSC.
   iv If only one system information item of the GSM cell is input, handover to the GSM cell is not possible.

Log file related restrictions

1. Two log files must be prepared, namely the system information log describing the system information (BCCH-BCH-Message) transmitted by each cell, and the sequence log describing the communication messages of the cells and mobile terminals (RRC messages in the case of W-CDMA, and NAS messages in the case of GSM/GPRS).
2. The log file format described in operation manual ‘Log File Format’ must be followed. If any other format is input, the operation cannot be guaranteed.
3. In the system information log of W-CDMA, the log that includes SchedulingBlock of each SIB must be before the log that includes the SIB message body.
4. When using PBCCH in GSM/GPRS, PBCCH messages must be after the GSM RR SYSTEM INFORMATION message.

Restrictions during conversion

1. Files whose [path name + file name] length exceeds 255 characters cannot be converted.

Restrictions while executing scenario

1. Integrity is calculated based on TestAlgorithm of TS34.108.
2. SequenceNumber of downlink RRC messages is automatically calculated.
3. Among the parameters that can be set in the Parameter Setup window of the MD8480B/C and MD8470A control software, the following parameters are not used. The values incorporated in the scenario are used.
   i Tx Setup (BTS#1 to 3)
   ii Rx Setup (BTS#1 to 3)
   iii Timing * (BTS#1 to 3)
   iv Tx Attenuator (TX RF#1 to 2)
   v Reference Power (RX RF#1 to 2)

   *: Except Timing Sync and Clock

Cautions when compiling scenarios

1. To compile a C scenario created with the software, the LSC's dedicated RRC library is required.
2. When executing compilation, drag & drop the C scenario file over the scenario_XX_RRC_lib_LSC icon on the desktop.
3. For the RRC library install method, see Section 2.1 ‘Installation Procedure’ on the operation manual.
4. When the C scenario generated with an old version LSC is compiled along with a new version RRC library, an error may occur. After regenerating the C scenario with the new version LSC, recompile it along with the new version RRC library.

Anritsu

Specifications are subject to change without notice.

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