

Field Trial Technical Report

Applicant	Huawei Technologies Co., Ltd.
Type	EM820W
HW	MD1EM820WM
SW	11.810.10.17.00
Status	Final Report
Report Number	FT-RC029a-2012
Date of Issue	June 4, 2012

Test Laboratory:

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Note:

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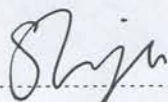
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1 Administration Information

1.1 Test Laboratory

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1.3 Reference Criteria

GCF Certification
Criteria Version GCF-CC-3460 Appendix F3.5.2

Field Trial Guideline GSMA TS.11 Version 10.4

2 Device Under Test (DUT)

2.1 Technical Information

Manufacture	Huawei Technologies Co., LTd.
Type	EM820W
Description	Embedded Module
Protocol	GSM 850/900/1800/1900/UMTS FDD Band I/II/V/VIII

Claimed Features					
GPRS	Yes	WB-AMR for UTRA	No	Bluetooth	No
Multi Slot Class	12	Speech	No	Streaming	No
Release	R99	SMS	Yes	DARP	No
EGPRS	Yes	CS 3GPP video telephony (VT)	No	A-GPS	No
Multi Slot Class	12	OMA MMS	No	SUPL	No
Release	R99	/		TTY	No
HSDPA	Yes	OMA DM	No	HAC	No
Category	14	OMA Browsing	No	A5 / 3 Cipherng	No
HSUPA	Yes	/		GEA / 3 Cipherng	No
Category	6	OMA IMPS	No	WiFi	No
HSPA+	Yes	OMA PoC	No	/	No
SIM / USIM / UICC	SIM&USIM&UICC	OMA BCAST	No	/	No
Release	R99	OMA OMA FUMO	No	/	No
SATK	No	OMA OMA SCOMO	No	WiMAX	No
/		SCWS	No	LTE	No
USAT	No	WAP	No	GAN / UMA	No
/		JAVA	No	DTM	No
AMR	No			IMS / SIP	No
/					

2.2 Tested Samples

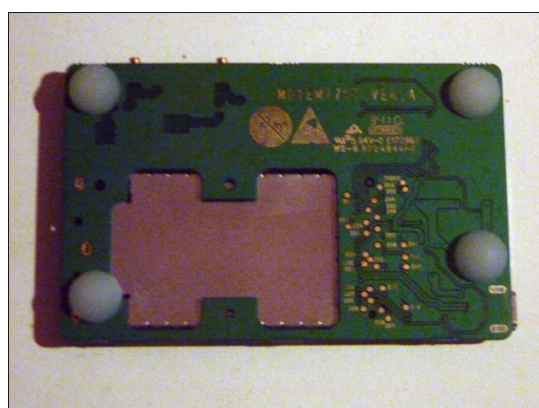
In total, one piece of samples is tested. Detailed configurations are listed. Additionally, the following versions of device driver are installed on the PC for dial-up.

DUT Number	A01
IMEI	354283043361900
HW Version	MD1EM820WM
SW Version	11.810.10.15.00
Receipt Date	2012/5/26

2.3 Exemplary photos of the tested sample



Front View



Back View



Antenna

2.4 Peripheral Facilities

The configuration of the PCs used as dialup client is listed here:

PC Dial-up Terminal	
Type	Notebook
Manufacture	Toshiba
CPU	Centrino 1.8GHz
OS	Microsoft Windows XP Professional Edition Service pack 3
Language	German
Email client	web UI through Internet Explorer 8.0

3 Network Utilised

3.1 Overview

For RAN/CORE network dependent, Packet Switched network dependent, SMSC dependent, SIM/UICC dependent tests, Network independent, GERAN Regression and Terminal-to-Terminal dependent field trial, two networks are utilized, from which the corresponding SIMs/UICCs are applied. The utilized networks are located at:

- a) T-Mobile, Germany
- b) Vodafone, Germany

3.2 Networks with SIM/UICCs

Following table details the network selected for the respective tests. The utilized DUT samples are given accordingly.

Country	Network Operator	Test and DUT							
		RAN/CORE network dep.	BSS/MSC network dep.	SMSC dep.	PS network dep.	SIM / UICC dep.	Network /SIM /UICC /Client indep.	GERAN Regression	Terminal-to-Terminal depend.
Germany	T-Mobile	A01	A01	A01	A01	A01		A01	A01
	Vodafone	A01	A01		A01	A01	A01		

4 Definition of Classification

The DUT samples are tested according to the GSMA Field Trial Guideline and the GCF specification. Based on the conformation to the recommended test condition, procedure and expected behavior, the verdicts of each test case are classified in the following categories. The criteria are defined by their conformance levels, which are differentiated more finely than the GCF certification criteria. A comparison between the two criteria systems is listed for reference.

Verdict Categories	Corresponding Verdict in GCF report	Definition
PASS	EXEC	PASS refers to a test case fully completed under the predefined test conditions and through the recommended procedure, which resulted at expected behaviors.
FAIL	N/A	For the supported feature, <i>FAIL</i> indicates the DUT's unconformity to the recommended test condition, procedure or expected behavior, which result in an uncompleted test case. In addition, when DUT performs as expected only at a portion of a test case with multiple parts, such test case is marked as <i>FAIL</i> also, but with illustrative comment in the GCF report.
NS/M	N/A	NS/M claims the feature not supported by the DUT, which is however required by the test case. Please note that, in the statistic in <i>chapter 6</i> , such test case is excluded in the derivation of the <i>Pass-Ratio</i> .
NS/N	nN, nS or nT	The test case which is not supported by either the network or the SIMs/USIMs, or due to that no commercial reference is available, marked out as <i>NS/N</i> . For which no test is conducted due to an unavailable condition.
Not Tested	NOT TESTED	When the test case is not required on the customer's demand, or either prerequisite condition is not fulfilled or the dependent test cases are not passed, the case will not be tested.

5 Raised Issues and Comments

5.1 Network Related Issues

- ♦ Vodafone Germany

Nothing to mention

- ♦ T-Mobile Germany

Nothing to mention

5.2 Testers' Comments

Test engineers shall summarize the end user experience. The views here shall be treated as additional feedback, which are not included in the final GCF report.

Nothing to mention

6 Test Results

Besides the detailed results of all test cases, a statistics of all the test sections over the networks and bearers are given for overview purpose.

6.1 Vodafone Germany

	RAN/CORE network dependent (RC)		BSS/MSC network dependent (BM)		PS network dependent (PS)		SMSC dependent (SMS)		SIM/UICC dependent (SIM)		Network/S IM/UICC/C lient (NI)		GERAN Regression (2G)		Terminal- To- Terminal (T2T)	
Total Cases	93		8		60				18		159					
NS/M	78	84%	6	75%	12	20%			4	22%	113	71%				
NS/N	6	6%	2	25%	10	17%			0	0%	0	0%				
Not Tested	0	0%	0	0%	0	0%			0	0%	0	0%				
Applicable cases	9		0		38				14		46					
PASS	9	100%	0	0%	38	100%			14	100%	46	100%				
FAIL	0	0%	0	0%	0	0%			0	0%	0	0%				

6.2 T-Mobile Germany

	RAN/CORE network dependent (RC)		BSS/MSC network dependent (BM)		PS network dependent (PS)		SMSC dependent (SMS)		SIM/UICC dependent (SIM)		Network/S IM/UICC/C lient (NI)		GERAN Regression (2G)		Terminal- To- Terminal (T2T)	
Total Cases	93		8		60		17		18				33		10	
NS/M	78	84%	6	75%	12	20%	1	6%	4	22%			27	82%	10	100%
NS/N	3	3%	2	25%	15	25%	0	0%	2	11%			3	9%	0	0%
Not Tested	0	0%	0	0%	0	0%	0	0%	0	0%			0	0%	0	0%
Applicable cases	12		0		33		16		12				3		0	
PASS	12	100%	0	0%	33	100%	16	100%	12	100%			3	100%	0	0%
FAIL	0	0%	0	0%	0	0%	0	0%	0	0%			0	0%	0	0%

7 GCF Field Trial Results (GCF-CC-3460-F352)

7.1 For RAN / CORE network dependent Field Trial Requirements (RC)

Reference		RAN / CORE Network Configuration			Comments
GCF No.	TS.11 No.	Description	RC #1	RC #2	
RC-1	20	SYSTEM ACCESS & REGISTRATION			
RC-1.1.1	20.1.1	IMSI Attach and Detach - Attach	PASS	PASS	
RC-1.1.2	20.1.1	IMSI Attach and Detach - Detach	PASS	PASS	
RC-1.2.1	20.2.1	GPRS Attach and Detach - Attach	PASS	PASS	
RC-1.2.2	20.2.1	GPRS Attach and Detach - Detach	PASS	PASS	
RC-1.3.1	20.3.1	Combined Attach and Detach (in NMO1) - Attach	NS/N	PASS	
RC-1.3.2	20.3.1	Combined Attach and Detach (in NMO1) - Detach	NS/N	PASS	
RC-1.4.1	20.4.1.1	Normal Location Updating - Normal Case	PASS	PASS	
RC-1.5.1	20.5.1	Routing Area Update - Routing Area Update; Successful	PASS	PASS	
RC-1.5.2	20.5.2	Routing Area Update - Combined Routing Area and Location Area Update (NMO1)	NS/N	PASS	
RC-1.5.3	20.5.3	Routing Area Update - Periodic Routing Area Update	PASS	PASS	
	21	Physical Radio Layer FDD			
RC-1.6.1	21.2.1	Time Switched Transmit Diversity (TSTD)	NS/N	NS/N	
RC-1.6.2	21.2.2	Space Time Transmit Diversity (STTD)	NS/N	NS/N	
RC-1.6.3	21.2.3	Closed Loop Transmit Diversity	NS/N	NS/N	
RC-2		MOBILITY			
RC-2.1.1	22.1.1.1	Idle Mode Circuit Switched Reselection - Idle Mode Circuit Switched 3G Reselection Not Packet Attached	PASS	PASS	
RC-2.1.4	22.1.2.1	Idle Mode Circuit Switched Inter-RAT Reselection - Idle Mode Circuit Switched Inter RAT Reselection Not Packet Attached	PASS	PASS	
RC-2.2.1	22.3.1	Dedicated Mode Handovers - Shared RNC, Shared frequencies, Shared Iub Interface, Dedicated Mode Voice	NS/M	NS/M	
RC-2.2.2	22.3.2	Dedicated Mode Handovers - Shared RNC, Shared frequencies, Shared Iub Interface, Dedicated Mode Video Telephony	NS/M	NS/M	
RC-2.2.6	22.3.6	Dedicated Mode Handovers - Shared RNC, Shared	NS/M	NS/M	

		frequencies, Iub Interface not shared, Dedicated Mode Voice			
RC-2.2.7	22.3.11	Dedicated Mode Handovers - RNC not shared, Shared frequencies, Iur Interface present, Dedicated Mode Voice	NS/M	NS/M	
RC-2.2.8	22.3.12	Dedicated Mode Handovers - RNC not shared, Shared frequencies, Iur Interface present, Dedicated Mode Video Telephony	NS/M	NS/M	
RC-2.2.12	22.3.16	Dedicated Mode Handovers - RNC not shared, Shared frequencies, no Iur Interface, Dedicated Mode Voice	NS/M	NS/M	
RC-2.2.13	22.3.17	Dedicated Mode Handovers - RNC not shared, Shared frequencies, no Iur Interface, Dedicated Mode Video Telephony	NS/M	NS/M	
RC-2.2.16	22.3.29	Dedicated Mode Handovers - 2G - 3G All frequency band combinations, Dedicated Mode Voice	NS/M	NS/M	
RC-2.2.18	22.3.31	Dedicated Mode Handovers - 3G - 2G All frequency band combinations, Dedicated Mode Voice	NS/M	NS/M	
RC-2.2.19	22.3.21	Dedicated Mode Handovers - 3G Inter-frequency handover, Different Frequencies, Dedicated Mode Voice	NS/M	NS/M	
RC-2.2.20	22.3.22	Dedicated Mode Handovers - 3G Inter-frequency handover, Different Frequencies, Dedicated Mode Video Telephony	NS/M	NS/M	
RC-2.2.23	22.3.25	Dedicated Mode Handovers - 3G Inter-Band handover (FDD x – FDD y), Dedicated Mode Voice	NS/M	NS/M	
RC-2.2.24	22.3.26	Dedicated Mode Handovers - 3G Inter-Band handover (FDD x – FDD y), Dedicated Mode Video Telephony	NS/M	NS/M	
RC-2.3.1	40.6.2.1	WB-AMR Intra Frequency handover (3G)	NS/M	NS/M	
RC-2.3.2	40.6.2.2	WB-AMR Inter Frequency handover (3G)	NS/M	NS/M	
RC-2.3.3	40.6.2.3	WB-AMR 3G -> 2G handover	NS/M	NS/M	
RC-2.3.4	40.6.2.4	WB-AMR 2G -> 3G handover	NS/M	NS/M	
RC-2.3.6	40.6.2.6	WB-AMR 3G (WB-AMR) -> 2G (non WB-AMR) handover	NS/M	NS/M	
RC-2.4.1	22.3.38	UEA1 (3G) -> A5/3 (GSM) Voice Handover	NS/M	NS/M	
RC-3		MULTICALL AND MULTI RAB CS-PS			
RC-3.3.1	40.6.4.1	WB-AMR Terminated call during Packet connection	NS/M	NS/M	
RC-3.3.2	40.6.4.2	WB-AMR Originated call during Packet connection	NS/M	NS/M	
RC-4.1.1	40.1.1	BASIC VOICE CALLS CS			
RC-4.1.1	40.1.1	Mobile originated call - To PBX extension	NS/M	NS/M	

RC-4.1.2	40.1.1	Mobile originated call - To Mobile	NS/M	NS/M	
RC-4.1.3	40.1.2	Mobile originated call to occupied phone - To PBX extension	NS/M	NS/M	
RC-4.1.4	40.1.2	Mobile originated call to occupied phone - To Mobile	NS/M	NS/M	
RC-4.1.5	40.1.3	Mobile originated call to international B-subscriber (with "+") - To another country	NS/M	NS/M	
RC-4.1.6	40.1.3	Mobile originated call to international B-subscriber (with "+") - To the same country	NS/M	NS/M	
RC-4.1.7	40.1.3	Mobile originated call to international B-subscriber (with "+") - To another country with a stored number	NS/M	NS/M	
RC-4.1.8	40.1.3	Mobile originated call to international B-subscriber (with "+") - To the same country with a stored number	NS/M	NS/M	
RC-4.2.1	40.2	Mobile terminated call - From PBX extension	NS/M	NS/M	
RC-4.2.2	40.2	Mobile terminated call - From Mobile	NS/M	NS/M	
RC-4.3.1	40.3.1	Interrogation for the CLIP status (*#30#) - With *#30#	NS/M	NS/M	
RC-4.3.2	40.3.1	Interrogation for the CLIP status (*#30#) - With the menu	NS/M	NS/M	
RC-4.3.3	40.3.2	Interrogation for the CLIR status (*#31#) - With *#31#	NS/M	NS/M	
RC-4.3.4	40.3.2	Interrogation for the CLIR status (*#31#) - With the menu	NS/M	NS/M	
RC-4.4.1	40.4	Basic Voice Calls - DTMF	NS/M	NS/M	
RC-5	42	SUPPLEMENTARY SERVICES			
RC-5.1.1	42.1.1a	Call Forwarding Unconditional – Without Basic Service (Code)	NS/M	NS/M	
RC-5.1.2	42.1.2a	Call Forwarding when Busy – Without Basic Service (Code)	NS/M	NS/M	
RC-5.1.3	42.1.3a	Call Forwarding No Reply – Without Basic Service (Code)	NS/M	NS/M	
RC-5.1.4	42.1.4a	Call Forwarding Not Reachable – Without Basic Service (Code)	NS/M	NS/M	
RC-5.1.5	42.1.7a	Call Forwarding Unconditional – With Basic Service - Voice (Code)	NS/M	NS/M	
RC-5.1.6	42.1.8a	Call Forwarding when Busy – With Basic Service - Voice (Code)	NS/M	NS/M	
RC-5.1.7	42.1.9a	Call Forwarding No Reply – With Basic Service - Voice (Code)	NS/M	NS/M	
RC-5.1.8	42.1.10a	Call Forwarding Not Reachable – With Basic Service	NS/M	NS/M	

		- Voice (Code)			
RC-5.1.9	42.1.13	Display message of registered and activated call forwarding during MOC setup	NS/M	NS/M	
RC-5.2.1	42.3.1a	Call Waiting – without Basic Service (Code)	NS/M	NS/M	
RC-5.2.2	42.3.4a	Call Waiting, waiting call indication (Local Call Clear)	NS/M	NS/M	
RC-5.2.3	42.3.4b	Call Waiting, waiting call indication (Local Call Hold)	NS/M	NS/M	
RC-5.2.4	42.3.4c	Call Waiting, waiting call indication (Distant Party clear)	NS/M	NS/M	
RC-5.2.5	42.3.5a	Call Waiting, Hold, Retrieve, Swap calls (Code)	NS/M	NS/M	
RC-5.2.6	42.3.5b	Call Waiting, Hold, Retrieve, Swap calls (Menu)	NS/M	NS/M	
RC-5.3.1	42.4b-1	Multi Party - Join (party 1, party 2 and party 3)	NS/M	NS/M	
RC-5.3.2	42.4b-2	Multi Party - MPTY on hold, Take extra MT call (party 4)	NS/M	NS/M	
RC-5.3.3	42.4b-3	Multi Party - Add MT call (party 4) to MPTY	NS/M	NS/M	
RC-5.3.4	42.4b-4	Multi Party - MPTY on hold, Make MO call (party 5)	NS/M	NS/M	
RC-5.3.5	42.4b-5	Multi Party - Alternate between MO call (party 5) & MPTY	NS/M	NS/M	
RC-5.3.6	42.4b-6	Multi Party - Add MO call (party 5) to MPTY	NS/M	NS/M	
RC-5.3.7	42.4b-7	Multi Party - MPTY on hold, Make MO call (party 6)	NS/M	NS/M	
RC-5.3.8	42.4b-8	Multi Party - Add MO call (party 6) to MPTY	NS/M	NS/M	
RC-5.3.9	42.4b-9	Multi Party - MPTY on hold, Take extra MT call (party 7)	NS/M	NS/M	
RC-5.3.10	42.4b-10	Multi Party - Add MT call (party 7) to MPTY – attempt fails	NS/M	NS/M	
RC-5.3.11	42.4b-11	Multi Party - Clear one party from MPTY, and add MTC to MPTY	NS/M	NS/M	
RC-5.3.12	42.4b-12	Multi Party - Private communication with one party, rest of MPTY on hold	NS/M	NS/M	
RC-5.4.1	42.6.5	USSD - Invoke a USSD request	NS/M	NS/M	
RC-6	45	CIRCUIT SWITCHED MULTIMEDIA TELEPHONY (VIDEO TELEPHONY)			
RC-6.1.5	45.1.1.1.5	Video Telephony – Call establishment - No answer from remote handset	NS/M	NS/M	
RC-6.1.6	45.1.1.1.6	Video Telephony – Call establishment - Remote handset busy	NS/M	NS/M	
RC-6.1.9	45.1.2	Video Telephony – Call establishment - Video call establishment: UMTS Mobile to GSM Mobile	NS/M	NS/M	
RC-6.1.10	45.1.3	Video Telephony – Call establishment - Video call establishment: UMTS Mobile to PSTN number	NS/M	NS/M	
RC-6.1.11	45.1.4.1	Roaming video call - UMTS Mobile to UMTS Mobile	NS/M	NS/M	
RC-6.2.1	45.2.1	Supplementary Services with Video call - Call	NS/M	NS/M	

		waiting during pending Video Call			
RC-6.2.3	45.2.3	Supplementary Services with Video call - CLIP activated	NS/M	NS/M	
RC-6.2.4	45.2.4	Supplementary Services with Video call - CLIP deactivated	NS/M	NS/M	
RC-7	40	WB-AMR			
RC-7.1.1	40.6.1.1	WB-AMR originated call to 2nd WB-AMR device	NS/M	NS/M	
RC-7.1.2	40.6.1.2	WB-AMR terminated call from 2nd WB-AMR device	NS/M	NS/M	
RC-7.1.3	40.6.1.3	Mobile originated call to device not supporting WB-AMR	NS/M	NS/M	
RC-7.2.1	40.6.4.1	WB-AMR Terminated call during Packet connection	NS/M	NS/M	
RC-7.2.2	40.6.4.2	WB-AMR Originated call during Packet connection	NS/M	NS/M	
RC-7.3.1	40.6.5.1	DTMF during WB-AMR call	NS/M	NS/M	

7.2 For BSS / MSC network dependent Field Trial Requirements (BM)

Reference		SIM / UICC Configuration			Comments
GCF No.	TS.11 No.	Description	BM # 1	BM # 2	
BM-6	11	A5 / 3 Ciphering Scenarios			
BM-6.1.1	11.1.1	Location Updating with A5/3 Ciphering (NMO II network or CS Attach only)	NS/N	NS/N	
BM-6.1.2	11.1.3	Mobile Originated Speech Call with A5/3 Ciphering	NS/M	NS/M	
BM-6.1.3	11.1.4	Mobile Terminated Speech Call with A5/3 Ciphering	NS/M	NS/M	
BM-6.1.4	11.1.5	Short Message Services with A5/3 Ciphering	NS/N	NS/N	
BM-6.2.1	11.2.1	A5/3 -> A5/3 Voice Handover	NS/M	NS/M	
BM-6.2.2	11.2.2.1	A5/3 <-> A5/1 Voice Handover (Call started in A5/3 Cell)	NS/M	NS/M	
BM-6.2.3	11.2.2.2	A5/1 <-> A5/3 Voice Handover (Call started in A5/1 Cell)	NS/M	NS/M	
BM-7	40	WB-AMR			
BM-7.1.1	40.6.2.5	WB-AMR 2G -> 2G handover	NS/M	NS/M	

7.3 For Packet Switched network dependent Field Trial Requirements (PS)

Reference		Packet Sw. Network Configuration			Comments Other Info
GCF No.	TS.11 No.	Description	PS #1	PS #2	
PS-1	23	PS-CS Data			
PS-1.1.1	23.1.3a	MO PDP context activation - MO PDP context activation for PC Dial-Up	PASS	PASS	
PS-1.1.2	23.1.3b	MO PDP context activation - MO PDP context activation for Browsing Application	NS/M	NS/M	
PS-1.1.3	23.1.4a	Manual MO PDP context deactivation - Manual MO PDP context deactivation for PC Dial-Up	PASS	PASS	
PS-1.1.4	23.1.4b	Manual MO PDP context deactivation, internal, e.g. via browser exit or disable data setting	NS/M	NS/M	
PS-1.1.5	23.1.7a	PDP context activation initiated by the UE, rejected by the network with cause unknown APN - PDP context activation rejected for PC Dial-UP	PASS	PASS	
PS-1.1.6	23.1.7b	PDP context activation initiated by the UE, rejected by the network with cause unknown APN - PDP context activation rejected for Browsing Application	NS/M	NS/M	
PS-1.2.1	23.2.1	Multiple PDP Activation / Deactivation - 2 Simultaneous Primary PDP Context Activation	NS/M	NS/M	
PS-1.2.2	23.2.2	Multiple PDP Activation / Deactivation - 2 Simultaneous Primary PDP Context - MO deactivation	PASS	PASS	
PS-1.2.3	23.2.4	Multiple PDP Activation / Deactivation - Secondary MO PDP Context activation during a PS call	PASS	NS/N	
PS-1.3.1	23.3.1	Service Request in roaming - PDP context activation in roaming	PASS	PASS	
PS-1.4.1	26.3.1a	Voice call & PS-datacall - Make first MO Voice call and second MO PS-datacall. End first Voice call.	PASS	PASS	
PS-1.4.2	26.3.1b	Voice call & PS-datacall - Make first MO PS-datacall and second MO Voice call. End first PS-datacall.	PASS	PASS	
PS-1.4.3	26.3.1c	Voice call & PS-datacall - Make first MO PS-datacall and second MT Voice call. End first PS-datacall.	PASS	PASS	
PS-1.4.4	26.3.1d	Voice call & PS-datacall - Make first MO PS-datacall and second MT Voice call. End first Voice call.	PASS	PASS	
PS-1.4.5	26.3.2a	Video call & PS-datacall - Make first MO Video call and second MO PS-datacall. End first Video call.	PASS	PASS	

PS-1.4.6	26.3.2b	Video call & PS-datacall - Make first MO PS-datacall and second MO Video call. End first PS-datacall.	PASS	PASS	
PS-1.4.7	26.3.2c	Video call & PS-datacall - Make first MO PS-datacall and second MT Video call. End first PS-datacall.	PASS	PASS	
PS-1.4.8	26.3.2d	Video call & PS-datacall - Make first MO PS-datacall and second MT Video call. End first Video call.	PASS	PASS	
PS-1.5.1	27.2.1, 26.2.1	Interrupted data transfer (HTML browsing)	PASS	PASS	
PS-1.5.2	26.2.2.1	Relative Throughput Measure – Downlink FTP	PASS	PASS	
PS-1.5.3	26.2.3, 27.2.2.1	Relative Throughput Measure – Uplink FTP	PASS	PASS	
PS-1.5.4	26.2.4, 27.2.3	Relative Throughput Measure – Uplink and Downlink FTP	PASS	PASS	
PS-1.6.1	23.10.1 26.4.1 27.4.1	Channel Type Switching / CELL_DCH to CELL_FACH	PASS	PASS	
PS-1.6.2	23.10.2 26.4.2 27.4.2	Channel Type Switching / CELL_FACH to CELL_PCH	PASS	PASS	
PS-1.6.3	23.10.4 26.4.4 27.4.4	Channel Type Switching / CELL_PCH to RRC idle	PASS	PASS	
PS-1.6.4	23.10.3 26.4.3 27.4.3	Channel Type Switching / CELL_PCH to URA_PCH	NS/N	NS/N	
PS-2	22	Mobility			
PS-2.1.1	22.1.1.2	Idle Mode Circuit Switched Reselection - Idle Mode Circuit Switched 3G Reselection Packet Attached (No PDPc)	PASS	PASS	
PS-2.1.2	22.1.1.3	Idle Mode Circuit Switched Reselection - Idle Mode Circuit Switched 3G Reselection Packet Attached (PDPc active, No Data Transfer)	PASS	PASS	
PS-2.1.3	22.1.2.2	Idle Mode Circuit Switched Inter-RAT Reselection - Idle Mode Circuit Switched Inter RAT Reselection Packet Attached (No PDPc)	PASS	PASS	
PS-2.1.4	22.1.2.3	Idle Mode Circuit Switched Inter-RAT Reselection - Idle Mode Circuit Switched Inter RAT Reselection Packet Attached (PDPc active, No Data Transfer)	PASS	PASS	
PS-2.1.5	22.3.3	Dedicated Mode Handovers - Shared RNC, Shared frequencies, Shared Iub Interface, Dedicated Mode PS Data	PASS	PASS	

PS-2.1.6	22.3.5	Dedicated Mode Handovers - Shared RNC, Shared frequencies, Shared Iub Interface, Dedicated Mode Multi RAB	PASS	PASS	
PS-2.1.7	22.3.13	Dedicated Mode Handovers - RNC not shared, Shared frequencies, Iur Interface present, Dedicated Mode PS Data	PASS	PASS	
PS-2.1.8	22.3.15	Dedicated Mode Handovers - RNC not shared, Shared frequencies, Iur Interface present, Dedicated Mode Multi RAB	NS/N	PASS	
PS-2.1.9	22.3.18	Dedicated Mode Handovers - RNC not shared, Shared frequencies, no Iur Interface, Dedicated Mode PS Data	PASS	NS/N	
PS-2.1.10	22.3.19	Dedicated Mode Handovers - RNC not shared, Shared frequencies, no Iur Interface, Dedicated Mode Multi RAB	PASS	NS/N	
PS-2.1.11	22.3.30	Dedicated Mode Handovers - 2G-3G All frequency band combinations, Dedicated Mode PS Data	NS/N	NS/N	
PS-2.1.12	22.3.32	Dedicated Mode Handovers - 3G - 2G All frequency band combinations, Dedicated Mode PS Data	PASS	NS/N	
PS-2.1.13	22.3.23	Dedicated Mode Handovers - 3G Inter-frequency handover, Different Frequencies, Dedicated Mode PS Data	PASS	NS/N	
PS-2.1.14	22.3.24	Dedicated Mode Handovers - 3G Inter-frequency handover, Different Frequencies, Dedicated Mode Multi RAB	PASS	NS/N	
PS-2.1.15	22.3.27	Dedicated Mode Handovers - 3G Inter-Band handover (FDD x - FDD y), Dedicated Mode PS Data	NS/N	NS/N	
PS-2.1.16	22.3.28	Dedicated Mode Handovers - 3G Inter-Band handover (FDD x - FDD y), Dedicated Mode Multi RAB	NS/N	NS/N	
PS-3	21	Transmit Diversity			
PS-3.1.1	21.2.1	Time Switched Transmit Diversity (TSTD)	NS/N	NS/N	
PS-3.1.2	21.2.2	Space Time Transmit Diversity (STTD)	NS/N	NS/N	
PS-3.1.3	21.2.3	Closed Loop Transmit Diversity	NS/N	NS/N	
PS-4	26	HSDPA Multicall			
PS-4.1.3	26.3.3	HSDPA, Simultaneous PS Services	NS/N	NS/N	
PS-4.1.4	26.3.4.1	Relative Downlink FTP Throughput for HSDPA PS RAB during Multicall	PASS	PASS	
PS-4.1.5	26.3.5	Relative Uplink FTP Throughput for HSDPA PS RAB during Multicall	PASS	PASS	
PS-4.1.6	26.3.6	Relative Simultaneous FTP Throughput for HSDPA PS RAB during Multicall.	PASS	PASS	
PS-4	26	Channel Type Switching in HSDPA Cells			

PS-4.2.1	26.4.5	Channel Type Switching / Fast Dormancy with 3GPP Release 8 (or later) SCRI Message	NS/M	NS/M	
PS-5	26 & 27	EUL Multicall			
PS-5.1.1	27.3.1	Voice call + EUL Datacall	NS/M	NS/M	
PS-5.1.2	27.3.2	Video Call + EUL Datacall	NS/M	NS/M	
PS-5.1.3	27.3.3	EUL, Simultaneous PS Services	NS/N	NS/N	
PS-5.1.5	27.3.4.1	Relative Uplink FTP Throughput for EUL PS RAB during Multicall.	PASS	PASS	
PS-5.1.6	27.3.5	Relative Simultaneous FTP Throughput for EUL/HSDPA PS RAB during Multicall.	PASS	PASS	
PS-6	52	IPv6			
PS-6.1.1	52.1	Establishment of an IPv6-only bearer	NS/M	NS/M	
PS-6.1.2	52.2	Establishment of an IPv4 + IPv6 bearer	NS/M	NS/M	
PS-6.1.3	52.3	Establishment of an IPv4 + IPv6 bearer with IPv4 only success	NS/M	NS/M	
PS-6.1.4	52.4	Establishment of separate IPv4 and IPv6 bearers	NS/M	NS/M	
PS-6.1.5	52.5	IPv6 Privacy Extension verification	NS/M	NS/M	

7.4 For SMSC dependent Field Trial Requirements (SMS)

Reference		SMSC Configuration		Comments Other Info
GCF No.	TS.11 No.	Description	SMS #1	
SMS-1	41	SHORT MESSAGE SERVICE (SMS)		
SMS-1.1.1	41.1.5	SMS mobile originated - Status Report	PASS	
SMS-1.1.2	41.1.7.1	Input SM (160 characters) when using MMI language of Default 7-bit alphabet	PASS	
SMS-1.1.3	41.1.8.1	Input concatenated SM - Default 7-bit alphabet (over 160 characters)	PASS	
SMS-1.1.4	41.1.8.2	Input concatenated SM - Extended default 7-bit alphabet (over 140 Bytes)	PASS	
SMS-1.1.5	41.1.8.3	Input concatenated SM - UCS-2 alphabet (over 70 characters)	PASS	
SMS-1.2.1a	41.2.1a	SMS mobile terminated - During mobile in idle mode	PASS	
SMS-1.2.1b	41.2.1b	SMS mobile terminated - During mobile in idle mode - special characters in originator id.	PASS	
SMS-1.2.2	41.2.6	SMS mobile terminated - Return call to the originating number	NS/M	
SMS-1.2.3	41.2.8.1	Terminated Concatenated SM - Default 7-bit alphabet	PASS	
SMS-1.2.4	41.2.8.2	Terminated Concatenated SM - UCS2 alphabet	PASS	
SMS-1.2.5	41.2.8.3	Terminated Concatenated SM - Terminated concatenated SM (over MS max. capacity)	PASS	
SMS-1.3.1	41.3.1	Message class 0 to 3 (SMS mobile terminated) - SM class 0 (accept and displayed, but not stored)	PASS	
SMS-1.3.2	41.3.2	Message class 0 to 3 (SMS mobile terminated) - SM class 1 (storing in ME and displaying)	PASS	
SMS-1.3.3	41.3.3	Message class 0 to 3 (SMS mobile terminated) - SM class 2 (storing in SIM and displaying)	PASS	
SMS-1.4.1	41.9.1 a	Memory full condition (general function) - Store SM on the SIM; when SIM memory full -MO SM	PASS	
SMS-1.4.2	41.9.1 b	Memory full condition (general function) - Store SM on the SIM; when SIM memory full -MT Class 2 SM	PASS	
SMS-1.4.3	41.9.3	Memory full condition (general function) - Delete SM on the SIM	PASS	

7.5 For SIM/UICC dependent Field Trial Requirements (SIM)

Reference GCF No.	TS.11 No.	SIM/UICC Configuration			Comments
		Description	SIM #1	SIM #2	
SIM-1	25	SIM/USIM INTER-WORKING			
SIM-1.1.1	25.1.2.1	Support of SMSP (Short Message Service Parameter) - Read SMSP	PASS	PASS	
SIM-1.1.2	25.1.2.2	Support of SMSP (Short Message Service Parameter) - Write SMSP (e.g. check correct storing of SMSP parameters)	PASS	PASS	
SIM-1.1.3	25.1.4.1b	PIN handling - Change of PIN (Menu)	PASS	PASS	
SIM-1.1.5	25.1.4.3b	PIN handling - Change of PIN, old PIN wrong (Menu)	PASS	PASS	
SIM-1.1.7	25.1.4.5	PIN handling - Deactivation of PIN	PASS	PASS	
SIM-1.1.9	25.1.4.7	PIN handling - Activation of PIN	PASS	PASS	
SIM-1.1.11	25.1.4.9b	PIN handling - Unblocking of blocked PIN (Menu)	PASS	PASS	
SIM-1.1.12	25.1.5.1b	PIN2 handling - Change of PIN2 (Menu)	NS/M	NS/M	
SIM-1.1.14	25.1.5.3b	PIN2 handling - Change of PIN2, old PIN2 wrong (Menu)	NS/M	NS/M	
SIM-1.1.17	25.1.5.6b	PIN2 handling - Unblocking of blocked PIN2 (Menu)	NS/M	NS/M	
SIM-1.1.18	25.1.9	Preferred Languages (PL) - Preferred Languages (PL)	PASS	PASS	
SIM-1.1.19	25.1.10.2	FDN - Correct Operation Of FDN	NS/M	NS/M	
SIM-1.1.20	25.1.11.1	Phonebook tests - Reading / Writing / Deleting ADNs	PASS	PASS	
SIM-1.1.21	25.1.11.3	Phonebook tests - Support of EMAIL	PASS	NS/N	
SIM-1.1.22	25.1.11.4	Phonebook tests - Support of ANR (Additional Number)	PASS	NS/N	
SIM-1.2.1	25.3.1	USIM Interoperability - Memory Full Conditions (Phone Book)	PASS	PASS	
SIM-1.2.2	25.3.2	USIM Interoperability - MSISDN saved on USIM	PASS	PASS	
SIM-1.3.1	25.4.2.1	3G terminals using ICC/UICC with SIM - 7.4.3 Storage of SSC string (including international number: '**21*+49DN#')	PASS	PASS	

7.6 For Network / SIM / UICC / Client independent Field Trial Requirements (NI)

Reference			Test Verdict	Comments
GCF No.	TS.11 No.	Description		
NI-1	40	BASIC VOICE CALLS CS		
NI-1.1.1	40.1.1	Mobile originated calls - To ISDN	NS/M	
NI-1.1.2	40.1.1	Mobile originated calls - To PSTN	NS/M	
NI-1.1.3	40.1.2	Mobile originated call to occupied phone - To ISDN	NS/M	
NI-1.1.4	40.1.2	Mobile originated call to occupied phone - To PSTN	NS/M	
NI-1.1.5	40.1.5	Mobile originated call to international B-subscriber (with "+") - Mobile origin. call complete (to ISDN phone); CLIR temporarily activated (#31#DN)	NS/M	
NI-1.2.1	40.2	Mobile terminated calls - From PSTN	NS/M	
NI-1.2.2	40.2	Mobile terminated calls - From ISDN	NS/M	
NI-1.3.1	40.5.1	Emergency calls, with SIM/USIM, no emergency number stored - Dial {112, 911}	NS/M	
NI-1.3.2	40.5.1	Emergency calls, with SIM/USIM, no emergency number stored - Dial {08, 000, 110, 118, 119, 999}	NS/M	
NI-1.3.3	40.5.1	Emergency calls, with SIM/USIM, no emergency number stored - Dial national emergency number	NS/M	
NI-1.3.4	40.5.1	Emergency calls, with SIM/USIM, no emergency number stored - Without dialling any dedicated number (Softkey)	NS/M	
NI-1.3.5	40.5.1	Emergency calls, with SIM/USIM, no emergency number stored - Keypad blocked {112, 911}	NS/M	
NI-1.3.6	40.5.1	Emergency calls, with SIM/USIM, no emergency number stored - Keypad blocked {08, 000, 110, 118, 119, 999}	NS/M	
NI-1.3.7	40.5.1	Emergency calls, with SIM/USIM, no emergency number stored - FDN Activated {112, 911}	NS/M	
NI-1.3.8	40.5.1	Emergency calls, with SIM/USIM, no emergency number stored - FDN Activated {08, 000, 110, 118, 119, 999}	NS/M	
NI-1.3.9	40.5.1	Emergency calls, with SIM/USIM, no emergency number stored - Camped on Acceptable cell {112, 911} (Emergency Camping)	NS/M	
NI-1.3.10	40.5.1	Emergency calls, with SIM/USIM, no emergency number stored - Camped on Acceptable cell {08, 000,	NS/M	

		110, 118, 119, 999} (Emergency Camping)		
NI-1.3.11	40.5.1	Emergency calls, with SIM/USIM, no emergency number stored - MS locked {112, 911}	NS/M	
NI-1.3.12	40.5.1	Emergency calls, with SIM/USIM, no emergency number stored - MS locked {08, 000, 110, 118, 119, 999}	NS/M	
NI-1.3.13	40.5.2	Emergency calls, with SIM/USIM, emergency numbers stored - Dial {112, 911}	NS/M	
NI-1.3.14	40.5.2	Emergency calls, with SIM/USIM, emergency numbers stored - Dial numbers stored in SIM/USIM	NS/M	
NI-1.3.15	40.5.2	Emergency calls, with SIM/USIM, emergency numbers stored - Dial {08, 000, 110, 118, 119, 999} if not stored in SIM/USIM	NS/M	
NI-1.3.16	40.5.2	Emergency calls, with SIM/USIM, emergency numbers stored - Dial national emergency number	NS/M	
NI-1.3.17	40.5.2	Emergency calls, with SIM/USIM, emergency numbers stored - Without dialling any dedicated number	NS/M	
NI-1.3.18	40.5.2	Emergency calls, with SIM/USIM, emergency numbers stored - Keypad blocked {112, 911}	NS/M	
NI-1.3.19	40.5.2	Emergency calls, with SIM/USIM, emergency numbers stored - Keypad blocked with numbers stored in SIM/USIM	NS/M	
NI-1.3.20	40.5.2	Emergency calls, with SIM/USIM, emergency numbers stored - Keypad blocked {08, 000, 110, 118, 119, 999} if not stored in SIM/USIM	NS/M	
NI-1.3.21	40.5.2	Emergency calls, with SIM/USIM, emergency numbers stored - FDN Activated {112, 911}	NS/M	
NI-1.3.22	40.5.2	Emergency calls, with SIM/USIM, emergency numbers stored - FDN Activated with numbers stored in SIM/USIM	NS/M	
NI-1.3.23	40.5.2	Emergency calls, with SIM/USIM, emergency numbers stored - FDN Activated {08, 000, 110, 118, 119, 999} if not stored in SIM/USIM	NS/M	
NI-1.3.24	40.5.2	Emergency calls, with SIM/USIM, emergency numbers stored - Camped on Acceptable cell {112, 911} (Emergency Camping)	NS/M	
NI-1.3.25	40.5.2	Emergency calls, with SIM/USIM, emergency numbers stored - Camped on Acceptable cell with numbers stored in SIM/USIM (Emergency Camping)	NS/M	
NI-1.3.26	40.5.2	Emergency calls, with SIM/USIM, emergency numbers stored - Camped on Acceptable cell {08, 000, 110, 118,	NS/M	

		119, 999} if not stored in SIM/USIM (Emergency Camping)		
NI-1.3.27	40.5.2	Emergency calls, with SIM/USIM, emergency numbers stored - MS locked {112, 911}	NS/M	
NI-1.3.28	40.5.2	Emergency calls, with SIM/USIM, emergency numbers stored - MS locked with numbers stored un SIM/USIM	NS/M	
NI-1.3.29	40.5.2	Emergency calls, with SIM/USIM, emergency numbers stored - MS locked {08, 000, 110, 118, 119, 999}	NS/M	
NI-1.3.30	40.5.3	Emergency calls, without SIM/USIM - Dial {112, 911}	NS/M	
NI-1.3.31	40.5.3	Emergency calls, without SIM/USIM - Dial {08, 000, 110, 118, 119, 999}	NS/M	
NI-1.3.32	40.5.3	Emergency calls, without SIM/USIM - Without dialling any dedicated number	NS/M	
NI-1.3.33	40.5.1	Emergency calls, with SIM/USIM, no emergency number stored - No PIN {112, 911}	NS/M	
NI-1.3.34	40.5.1	Emergency calls, with SIM/USIM, no emergency number stored - No PIN {08, 000, 110, 118, 119, 999}	NS/M	
NI-1.3.35	40.5.1	Emergency calls, with SIM/USIM, no emergency number stored - PIN1 blocked {112, 911}	NS/M	
NI-1.3.36	40.5.1	Emergency calls, with SIM/USIM, no emergency number stored - PIN1 blocked {08, 000, 110, 118, 119, 999}	NS/M	
NI-1.3.37	40.5.2	Emergency calls, with SIM/USIM, emergency number stored - No PIN {112, 911}	NS/M	
NI-1.3.38	40.5.2	Emergency calls, with SIM/USIM, emergency number stored - No PIN {08, 000, 110, 118, 119, 999}	NS/M	
NI-1.3.39	40.5.2	Emergency calls, with SIM/USIM, emergency number stored - PIN1 blocked {112, 911}	NS/M	
NI-1.3.40	40.5.2	Emergency calls, with SIM/USIM, emergency number stored - PIN1 blocked {08, 000, 110, 118, 119, 999}	NS/M	
NI-2	41	SHORT MESSAGE SERVICE (SMS)		
NI-2.1.1	41.1.2	SMS mobile originated - SM Validity Period	PASS	
NI-2.1.2	41.1.10	Input concatenated SM - During call	PASS	
NI-2.1.3	41.1.11	Input concatenated SM - When out of coverage	PASS	
NI-2.2.1	41.2.3	SMS mobile terminated - Reception of unsupported SM types	PASS	
NI-2.2.2	41.2.4	SMS mobile terminated - During call	PASS	
NI-2.2.3	41.2.5	SMS mobile terminated - Acoustic signal, after new short message (no Class) arrived	PASS	
NI-2.2.4	41.2.7	SMS mobile terminated - Call a number included in the text of the SM	NS/M	

NI-2.3.1	41.3.5	SMS mobile terminated - Message Type 0	PASS	
NI-2.4.1	41.7.1	Short Message SIM data fields - Store MO-SM on the SIM and verify the content of the SM data fields on the SIM	PASS	
NI-2.4.2	41.7.2	Short Message SIM data fields - Store MT-SM (read) on the SIM and verify the content of the SM data fields on the SIM	PASS	
NI-2.4.3	41.7.3	Short Message SIM data fields - Store MT-SM (unread) on the SIM and verify the content of the SM data fields on the SIM	PASS	
NI-2.4.4	41.7.4	Short Message SIM data fields - Delete SM on the SIM and verify the content of the SM data fields on the SIM	PASS	
NI-2.5.1	41.8.2.1	SMS - Extended default 7-bit alphabet - Message storage	PASS	
NI-2.5.2	41.8.2.2	SMS - Extended default 7-bit alphabet - Message transmission	PASS	
NI-2.5.3	41.8.2.3	SMS - Extended default 7-bit alphabet - Message reception	PASS	
NI-2.5.4	41.8.2.4	SMS - Extended default 7-bit alphabet - Character counter	PASS	
NI-2.5.5	41.8.3.1	SMS - UCS-2 alphabet - Message storage	PASS	
NI-2.5.6	41.8.3.2	SMS - UCS-2 alphabet - Message transmission	PASS	
NI-2.5.7	41.8.3.3	SMS - UCS-2 alphabet - Message reception	PASS	
NI-2.5.8	41.8.3.4	SMS - UCS-2 alphabet - Character counter	PASS	
NI-3	42	SUPPLEMENTARY SERVICES		
NI-3.1.1	42.1.1b	Call Forwarding Unconditional – Without Basic Service (Menu)	NS/M	
NI-3.1.2	42.1.2b	Call Forwarding when Busy – Without Basic Service (Menu)	NS/M	
NI-3.1.3	42.1.3b	Call Forwarding No Reply – Without Basic Service (Menu)	NS/M	
NI-3.1.4	42.1.4b	Call Forwarding Not Reachable – Without Basic Service (Menu)	NS/M	
NI-3.1.5	42.1.7b	Call Forwarding Unconditional – With Basic Service - Voice (Menu)	NS/M	
NI-3.1.6	42.1.8b	Call Forwarding when Busy – With Basic Service - Voice (Menu)	NS/M	
NI-3.1.7	42.1.9b	Call Forwarding No Reply – With Basic Service - Voice (Menu)	NS/M	
NI-3.1.8	42.1.10b	Call Forwarding Not Reachable – With Basic Service -	NS/M	

		Voice (Menu)		
NI-3.2.1	42.2.1a	Bar All Outgoing Calls (BAOC) – Without Basic Service (Code)	NS/M	
NI-3.2.2	42.2.2a	Bar Outgoing International Calls (BOIC) – Without Basic Service (Code)	NS/M	
NI-3.2.3	42.2.3a	Bar Outgoing International Calls except Home Country (BOIC-exHC) – Without Basic Service (Code)	NS/M	
NI-3.2.4	42.2.4a	Bar All Incoming Calls (BAIC) – Without Basic Service (Code)	NS/M	
NI-3.2.5	42.2.5a	Bar All Incoming Calls when Roaming (BAIC-R) – Without Basic Service (Code)	NS/M	
NI-3.2.6	42.2.1b	Bar All Outgoing Calls (BAOC) – Without Basic Service (Menu)	NS/M	
NI-3.2.7	42.2.2b	Bar Outgoing International Calls (BOIC) – Without Basic Service (Menu)	NS/M	
NI-3.2.8	42.2.3b	Bar Outgoing International Calls except Home Country (BOIC-exHC) – Without Basic Service (Menu)	NS/M	
NI-3.2.9	42.2.4b	Bar All Incoming Calls (BAIC) – Without Basic Service (Menu)	NS/M	
NI-3.2.10	42.2.5b	Bar All Incoming Calls when Roaming (BAIC-R) – Without Basic Service (Menu)	NS/M	
NI-3.2.11	42.2.12.1a	General Deactivation of Barring Services – All Services (Code)	NS/M	
NI-3.2.12	42.2.12.1b	General Deactivation of Barring Services – All Services (Menu)	NS/M	
NI-3.2.13	42.2.13.1a	Change of Barring Password (Code)	NS/M	
NI-3.2.16	42.2.13.1b	Change of Barring Password (Menu)	NS/M	
NI-3.3.1	42.3.1b	Call Waiting – without Basic Service (Menu)	NS/M	
NI-4	45	CIRCUIT SWITCHED MULTIMEDIA TELEPHONY (VIDEO TELEPHONY)		
NI-4.1.1	45.4.1	Video telephony application - Muted audio & blocked video (if available)	NS/M	
NI-4.1.3	45.4.3	Video telephony application - DTMF emission	NS/M	
NI-5	20	SYSTEM ACCESS & REGISTRATION		
NI-5.1.1	20.1.2	IMSI Attach and Detach - IMSI Attach; Rejected (Reject Cause #15: No Suitable Cells In Location Area)	PASS	
NI-5.1.2	20.1.3	IMSI Attach and Detach – IMSI Attach; Rejected (Reject Cause #13: Roaming not allowed in this Location Area)	PASS	

NI-5.2.1	20.4.1.2	Normal Location Updating - Normal Location Updating with TMSI unknown in VLR	PASS	
NI-5.2.2	20.4.2.1	Periodic Location Updating - Successful - Normal Operation	PASS	
NI-5.2.3	20.4.2.2	Periodic Location Updating - Reset of T3212 - After a SMS is sent or received	PASS	
NI-5.2.4	20.4.2.2	Periodic Location Updating - Reset of T3212 - After a Supplementary Service procedure is operated	NS/M	
NI-5.2.5	20.4.2.2	Periodic Location Updating - Reset of T3212 - After a call is set up or received	PASS	
NI-5.2.6	20.4.2.3	Periodic Location Updating - UE out of coverage and back in coverage before T3212 expiry - No other network available	PASS	
NI-5.2.7	20.4.2.4	Periodic Location Updating - UE out of coverage and back in coverage after T3212 expiry - No other network available	PASS	
NI-5.3.2	20.6.1.2	Network Selection - Automatic Mode at Power on - UE selects a prioritised network (User controlled PLMNwAcT List on the SIM(>=rel99))	PASS	
NI-5.3.3	20.6.1.3	Network Selection - Automatic Mode at Power on - UE selects a prioritised network (Operator controlled OPLMNwAcT List on the SIM(>=rel99))	PASS	
NI-5.3.4	20.6.3.2	Periodic HPLMN searching when in Roaming - UE re-selects a higher prioritised network when camping on a prioritised network	PASS	
NI-5.3.5	20.6.3.3	Periodic HPLMN searching when in Roaming - UE re-selects a higher prioritised network when camping on a non prioritised network	PASS	
NI-5.3.6	20.6.3.4	Periodic HPLMN searching when in Roaming - UE re-selects a prioritised network, Different Values of the HPLMN Timer / No HPLMN Search timer defined	PASS	
NI-5.3.7	20.6.4	Network Selection - Manual Mode - Network on Forbidden List	PASS	
NI-5.3.8	20.6.4	Network Selection - Manual Mode - Network on Preferred PLMN List	PASS	
NI-5.3.9	20.6.4	Network Selection - Manual Mode - More than 32 entries on Preferred PLMN List	PASS	
NI-5.3.10	20.6.5	Network Selection - Selection mode following switch off - Manual Network Selection	PASS	
NI-5.3.11	20.6.5	Network Selection - Selection mode following switch off - Automatic Network Selection	PASS	

NI-5.3.12	56.1.1	Steering of Roaming / Rejected network not stored on Preferred PLMN list (EFPLMNwAcT) - Multi Network Environment	PASS	
NI-5.3.13	56.1.2	Steering of Roaming / Rejected network not stored on Preferred PLMN list (EFPLMNwAcT) - Single Network Environment	PASS	
NI-5.3.14	56.1.3	Steering of Roaming / Rejected network not stored on Preferred PLMN list (EFPLMNwAcT) - Manual Network Selection	PASS	
NI-5.3.15	56.2.1	Steering of Roaming / Rejected network stored on Preferred PLMN list (EFPLMNwAcT) - Multi Network Environment	PASS	
NI-5.3.16	53.1	List of Network Names verification	PASS	
NI-6	45	VIDEO TELEPHONY		
NI-6.1.1	45.1.1.1.3	Video Telephony – Call establishment - Hang up before alerting phase	NS/M	
NI-6.1.2	45.1.1.1.4	Video Telephony – Call establishment - Hang up during alerting phase	NS/M	
NI-6.1.5	45.1.1.1.7	Video Telephony – Call establishment - Normal call complete, CLIR temporarily deactivated	NS/M	
NI-6.1.6	45.1.1.1.8	Video Telephony – Call establishment - Normal call complete, CLIR temporarily activated	NS/M	
NI-6.2.1	45.2.7	Incoming SMS during a video call	NS/M	
NI-6.2.2	45.2.8	MMS reception during a video telephony call	NS/M	
NI-6.3.1	45.2.5	Supplementary Services with Video call - Call barring	NS/M	
NI-6.3.2	45.2.6.1	Supplementary Services with Video call - Call Forward if No Reply	NS/M	
NI-6.3.3	45.2.6.2	Supplementary Services with Video call - Call Forward Unconditional	NS/M	
NI-6.3.4	45.2.6.3	Supplementary Services with Video call - Call Forward if Busy	NS/M	
NI-6.3.5	45.2.6.4	Supplementary Services with Video call - Call forward if Non reachable	NS/M	
NI-7	25	SIM/USIM INTER-WORKING		
NI-7.1	25.1.4.1a	PIN handling - Change of PIN (MMI)	NS/M	
NI-7.2	25.1.4.2a	PIN handling - Change of PIN, wrong repeating of new PIN (MMI)	NS/M	
NI-7.3	25.1.4.2b	PIN handling - Change of PIN, wrong repeating of new PIN (Menu)	PASS	

NI-7.4	25.1.4.3a	PIN handling - Change of PIN, old PIN wrong (MMI)	NS/M	
NI-7.5	25.1.4.4a	PIN handling - Change of PIN, new PIN wrong (3 digits long) (MMI)	NS/M	
NI-7.6	25.1.4.4b	PIN handling - Change of PIN, new PIN wrong (3 digits long) (Menu)	PASS	
NI-7.7	25.1.4.6a	PIN handling - Change of PIN, when deactivated (MMI)	NS/M	
NI-7.8	25.1.4.6b	PIN handling - Change of PIN, when deactivated (Menu)	PASS	
NI-7.9	25.1.4.8a	PIN handling - Change of PIN, when blocked (MMI)	NS/M	
NI-7.10	25.1.4.8b	PIN handling - Change of PIN, when blocked (Menu)	PASS	
NI-7.11	25.1.4.9a	PIN handling - Unblocking of blocked PIN (MMI)	NS/M	
NI-7.12	25.1.5.1a	PIN2 handling - Change of PIN2 (MMI)	NS/M	
NI-7.13	25.1.5.2a	PIN2 handling - Change of PIN2, wrong repeating of new PIN2 (MMI)	NS/M	
NI-7.14	25.1.5.2b	PIN2 handling - Change of PIN2, wrong repeating of new PIN2 (Menu)	NS/M	
NI-7.15	25.1.5.3a	PIN2 handling - Change of PIN2, old PIN2 wrong (MMI)	NS/M	
NI-7.16	25.1.5.4a	PIN2 handling - Change of PIN2, new PIN2 wrong (3 digits long) (MMI)	NS/M	
NI-7.17	25.1.5.4b	PIN2 handling - Change of PIN2, new PIN2 wrong (3 digits long) (Menu)	NS/M	
NI-7.18	25.1.5.5a	PIN2 handling - Change of PIN2, when blocked (MMI)	NS/M	
NI-7.19	25.1.5.5b	PIN2 handling - Change of PIN2, when blocked (Menu)	NS/M	
NI-7.20	25.1.5.6a	PIN2 handling - Unblocking of blocked PIN2 (MMI)	NS/M	
NI-8	54	TEST OF CIPHERING INDICATOR		
NI-8.1.1	54.1a	Presentation Enabled by the SIM/USIM / CS Voice Call in GERAN Radio Access Technology	NS/M	
NI-8.1.2	54.1b	Presentation Enabled by the SIM/USIM / PS Data Call in GERAN Radio Access Technology	NS/M	
NI-8.1.3	54.1c	Presentation Enabled by the SIM/USIM / CS Voice Call in UTRA Radio Access Technology	NS/M	
NI-8.1.4	54.1d	Presentation Enabled by the SIM/USIM / PS Data Call in UTRA Radio Access Technology	NS/M	
NI-8.2.1	54.2.1a	Presentation Disabled by the SIM/USIM / Non-Presentation of Ciphering Indicator / CS Voice Call in GERAN Radio Access Technology	NS/M	
NI-8.2.2	54.2.1b	Presentation Disabled by the SIM/USIM / Non-Presentation of Ciphering Indicator / PS Data Call	NS/M	

		in GERAN Radio Access Technology		
NI-8.2.3	54.2.1c	Presentation Disabled by the SIM/USIM / Non-Presentation of Ciphering Indicator / CS Voice Call in UTRA Radio Access Technology	NS/M	
NI-8.2.4	54.2.1d	Presentation Disabled by the SIM/USIM / Non-Presentation of Ciphering Indicator / PS Data Call in UTRA Radio Access Technology	NS/M	
NI-8.3.1	54.2.2a	Presentation of Ciphering Indicator when User Menu overrides SIM/USIM Settings / CS Voice Call in GERAN Radio Access Technology	NS/M	
NI-8.3.2	54.2.2b	Presentation of Ciphering Indicator when User Menu overrides SIM/USIM Settings / PS Data Call in GERAN Radio Access Technology	NS/M	
NI-8.3.3	54.2.2c	Presentation of Ciphering Indicator when User Menu overrides SIM/USIM Settings / CS Voice Call in UTRA Radio Access Technology	NS/M	
NI-8.3.4	54.2.2d	Presentation of Ciphering Indicator when User Menu overrides SIM/USIM Settings / PS Data Call in UTRA Radio Access Technology	NS/M	

7.7 For GERAN Regression Field Trial Requirements (2G)

Reference			Test Verdict	Comments
GCF No.	TS.11 No.	Description		
2G-1	40	BASIC VOICE CALLS CS		
2G-1.1.1	40.1.1	Mobile originated call - To PBX extension	NS/M	
2G-1.1.2	40.1.1	Mobile originated call - To Mobile	NS/M	
2G-1.1.3	40.1.2	Mobile originated call to occupied phone - To PBX extension	NS/M	
2G-1.1.4	40.1.2	Mobile originated call to occupied phone - To Mobile	NS/M	
2G-1.1.5	40.1.3	Mobile originated call to international B-subscriber (with "+") - To another country	NS/M	
2G-1.1.6	40.1.3	Mobile originated call to international B-subscriber (with "+") - To the same country	NS/M	
2G-1.1.7	40.1.3	Mobile originated call to international B-subscriber (with "+") - To another country with a stored number	NS/M	
2G-1.1.8	40.1.3	Mobile originated call to international B-subscriber (with "+") - To the same country with a stored number	NS/M	
2G-1.2.1	40.2	Mobile terminated call - From PBX extension	NS/M	
2G-1.2.2	40.2	Mobile terminated call - From Mobile	NS/M	
2G-1.3.1	40.3.1	Interrogation for the CLIP status (*#30#) - With *#30#	NS/M	
2G-1.3.2	40.3.2	Interrogation for the CLIR status (*#31#) - With *#31#	NS/M	
2G-1.4.1	40.4	Basic Voice Calls - DTMF	NS/M	
2G-1.5.5	9.2.9	Verification of GPRS Ciphering Algorithm Used	NS/M	
2G-2	41	SHORT MESSAGE SERVICE (SMS)		
2G-2.1.1	41.1.8.1	Input concatenated SM - Default 7-bit alphabet (over 160 characters)	PASS	
2G-2.2.1	41.2.1	SMS mobile terminated - During mobile in idle mode	PASS	
2G-2.2.2	41.2.8.1	Terminated Concatenated SM - Default 7-bit alphabet (max. capacity)	PASS	
2G-2.3.1	41.10.1	Short message service cell broadcast - No short message CB, when presentation is turned off	NS/N	
2G-2.3.2	41.10.2	Short message service cell broadcast - Short message CB after presentation is turned on	NS/N	

2G-2.3.3	41.10.3	Short message service cell broadcast - Change short message CB channel list	NS/N	
2G-3	42	SUPPLEMENTARY SERVICES		
2G-3.1.1	42.1.1a	Call Forwarding - CFU - without basic services - Code	NS/M	
2G-3.1.2	42.1.2a	Call Forwarding - CFB - without basic services - Code	NS/M	
2G-3.1.3	42.1.3a	Call Forwarding - CFNRY - without basic services - Code	NS/M	
2G-3.1.4	42.1.4a	Call Forwarding - CFNRC - without basic services - Code	NS/M	
2G-3.1.5	42.1.7a	Call Forwarding - CFU - with provisioned basic services fax - Code	NS/M	
2G-3.1.6	42.1.8a	Call Forwarding - CFB - with provisioned basic services fax - Code	NS/M	
2G-3.1.7	42.1.9a	Call Forwarding - CFNRY - with provisioned basic services fax - Code	NS/M	
2G-3.1.8	42.1.10a	Call Forwarding - CFNRC - with provisioned basic services fax - Code	NS/M	
2G-3.1.9	42.1.13	Call Forwarding - Display message of registered and activated call forwarding during MOC setup - MOC with ALL Conditional CF	NS/M	
2G-4	40	WB-AMR		
2G-4.1.1	40.6.1.1	WB-AMR originated call to 2nd WB-AMR device	NS/M	
2G-4.1.2	40.6.1.2	WB-AMR terminated call from 2nd WB-AMR device	NS/M	
2G-4.1.3	40.6.1.3	Mobile originated call to device not supporting WB-AMR	NS/M	
2G-4.2.1	40.6.5.1	DTMF during WB-AMR call	NS/M	

7.8 For Terminal-to-Terminal dependent Field Trial Requirements (T2T)

Reference		Terminal-to-Terminal Configuration						Comments
GCF No.	TS.11 No.	Description	T2T # 1	T2T # 2	T2T # 3	T2T # 4	T2T # 5	
T2T-1	40.6		WB-AMR					
T2T-1.1.1	40.6.1.1	WB-AMR originated call to 2nd WB-AMR device	NS/M	NS/M	NS/M	NS/M	NS/M	
T2T-1.1.2	40.6.1.2	WB-AMR terminated call from 2nd WB-AMR device	NS/M	NS/M	NS/M	NS/M	NS/M	

7.9 Configuration used for RAN /CORE network dependent Field Trials (RC)

RAN /CORE NETWORK CONFIGURATION TESTED AGAINST (RC)						
RC	3GPP Rel.	Freq band	RAN Manufacturer	RAN SW Release	CORE Manufacturer	CORE SW Release
1	REL-6	FDDI	Siemens	UMR6.5	Siemens	UCR3.0 CS
2	R6	FDDI	NSN	RU20	Siemens	UCR3.X
3						
4						
5						

7.10 Configuration used for BSS /MSC network dependent Field Trials (BM)

BSS /MSC NETWORK CONFIGURATION (BM)						
BM	3GPP Rel.	GSM frequency band(s)	BSS Manufacturer	BSS SW Release	MSC Manufacturer	MSC SW Release
C1	REL-6	GSM 900/1800	Siemens	BR10	Siemens	UCR3.0 CS
C2	REL-5	GSM 900/1800	Alcatel	R8	Siemens	UCR3.xs
C3						
C4						
C5						

7.11 Configuration used for packet network dependent Field Trials (PS)

PACKET NETWORK CONFIGURATION TESTED AGAINST (PS)									
PS	3GPP Rel.	HSDPA enabled (Y/N)	EUL enabled (Y/N)	SGSN Manufacturer	SGSN SW Release	GGSN Manufacturer	GGSN SW Release	RAN Manufacturer	RAN SW Release
1	REL-8	Y	Y	Siemens	UCR 4.0P	Siemens	IPS-3.0	Siemens	UMR6.5
2	R6	Y	Y	Huawei	8.1	Huawei	8.1	NSN	RU20
3									
4									
5									

7.12 Configuration used for SMSC dependent Field Trials (SMS)

SMSC CONFIGURATION TESTED AGAINST (SMS)		
SMS	SMSC Manufacturer	SMSC SW Release
1	Comverse	2.6

SMSC CONFIGURATION TESTED AGAINST (SMS)			
	SMS	SMSC Manufacturer	SMSC SW Release
	2		
	3		

7.13 Configuration used for Terminal-to-Terminal dependent Field Trials

(T2T)

T2T	Manufacturer	Model	SW version (opt.)
T2T 1	Nokia	N8	25.7
T2T 2	LG	GC900	gc900at_v10h
T2T 3	Motorola	Milestone	2.2.16
T2T 4	Samsung	I7500	i7500xxii5/i7500.008
T2T 5	Sony Ericsson	W995	R1HA035
T2T N			

INFRASTRUCTURE INFORMATION			
MSC / CORE		BSS / RAN	
Manufacturer	SW Version	Manufacturer	SW Version
Siemens	UCR3.x	Alcatel	R8
GEA Ciph. Algo. used (e.g. GEA3, as per FTQ declaration document)			
GEA3			

7.14 Configurations used for SIM/UICC dependent Field Trials (SIM)

Please copy for the used SIMs/UICCs the table for “Basic information on SIM/UICC Card Combination(s)” from the relevant GCF FTQ Operators Declarations (GCF-OP, Annex B, Additional Information to Field Trial Qualified Declaration) into this section.

Description	SIM/UICC Card Configuration				
	S1	S2	S3	S4	S5
Card Type (SIM/UICC)	UICC (GUSIM 2004 platform)	UICC (GUSIM 2004 platform)	UICC (GUSIM 2004 platform)		
SIM application present (Yes/No)	Yes	Yes	Yes		
USIM application present (Yes/No)	Yes	Yes	Yes		
SIM/UICC Supplier*	Gemplus	G&D	Incard		
SIM/UICC Release Version*	USIM	USIM	USIM		

SIM/UICC Chipset Supplier*	Samsung S3CC9TW	Renesas AE46C1A	Samsung S3CC9TC		
SIM/UICC Chipset Release Version*	n.a.	n.a.	n.a.		
EFECC Field (Stores Emergency Numbers) available on SIM/USIM (Yes/No)	Yes	Yes	Yes		
If yes - please provide numbers stored on EFECC, enter NONE if EFECC is empty	NONE	NONE	NONE		
HPLMN Timer for EFHPLMN (in min)	30	30	30		
How to identify	ICCID	ICCID	ICCID		
Voltage	3/5V	3/5V	3/5V		
Prepay / Postpay	both	both	both		
SIM application (if present)					
Number of files under DFPHONEBOOK:					
ADN	200	200	200		
FDN	5	5	5		
SMS Storage	20	20	20		
GPRS LOCI Field present	Yes	Yes	Yes		
Number of EFPLMNSel entries supported	50	50	50		
WIM*	No	No	No		
STK Menus active	Yes	Yes	Yes		
OTA Update*	Yes	Yes	Yes		
Other Functions*	NDA	NDA	NDA		
USIM application (if present)					
Number of files under DFPHONEBOOK:					
ADN (Abbreviated dialling numbers)	200	200	200		
EXT1 (Extension1)	20	20	20		
AAS (Additional number Alpha String)	20	20	20		
GAS (Grouping information Alpha String)	10	10	10		
GRP (Grouping file)	200	200	200		
ANR (Additional Number)	20	20	20		
SNE (Second Name Entry)	20	20	20		
CCP1 (Capability Configuration Parameters 1)	3	3	3		
EMAIL (e-mail address)	20	20	20		
SMS Storage	20	20	20		
PSLOCI Field present	Yes	Yes	Yes		
Number of EFPLMNwACT entries supported	50	50	50		
Number of EFOPLMMNwACT entries supported	50	50	50		
WIM*	No	No	No		
USAT	No	No	No		

OTA Update*	Yes	Yes	Yes		
Other Functions	n/a	n/a	n/a		

Network 2

Description	SIM/UICC Card Configuration				
	S1	S2	S3	S4	S5
Card Type (eSIM/UICC)	UICC				
SIM application present (Yes/No)	YES				
USIM application present (Yes/No)	YES				
SIM/UICC Supplier*	n/a				
SIM/UICC Release Version*	n/a				
SIM/UICC Chipset Supplier*	n/a				
SIM/UICC Chipset Release Version*	n/a				
EF _{ECC} Field (Stores Emergency Numbers) available on SIM/USIM (Yes/No)	Yes				
If yes - please provide numbers stored on EF _{ECC} , enter NONE if EF _{ECC} is empty	None				
HPLMN Timer for EF _{HPPLMN} (in min)	30				
How to identify	n/a				
Voltage	3V/5V				
Prepay / Postpay	Prepay/P ostpay				
SIM application (if present)					
Number of files under DF _{PHONEBOOK} :	4				
ADN	230				
FDN	10				
SMS Storage	20				
GPRS LOCI Field present	Yes				
Number of EF _{PLMNSel} entries supported	51				
WIM*	No				
STK Menus active	Yes				
OTA Update*	Yes				
Other Functions*					
USIM application (if present)					
Number of files under DF _{PHONEBOOK} :	4				
ADN (Abbreviated dialling numbers)	230				
EXT1 (Extension1)	No				
AAS (Additional number Alpha String)	No				

GAS (Grouping information Alpha String)	No				
GRP (Grouping file)	No				
ANR (Additional Number)	No				
SNE (Second Name Entry)	No				
CCP1 (Capability Configuration Parameters 1)	No				
EMAIL (e-mail address)	No				
SMS Storage	20				
PSLOCi Field present	Yes				
Number of EF _{PLMNwACT} entries supported	8				
Number of EF _{OPLMMNwACT} entries supported	80				
WIM*	No				
USAT	No				
OTA Update*	Yes				
Other Functions					

7.15 Configuration used for Steering of Roaming tests

Section	Section	Test case	Scenario	Scenario tested (Yes/No)	Comment
NI-5.1.12	56.1 Steering of Roaming / Rejected network not stored on Preferred PLMN list (EFPLMNwAct)	56.1.1 Multi Network Environment	Scenario A: NMO II - CS Reject Scenario	No	
			Scenario B: NMO II - CS+PS Reject Scenario	Yes	
NI-5.1.13		56.1.2 Single Network Environment	Scenario A: NMO II - CS Reject Scenario	No	
			Scenario B: NMO II - CS+PS Reject Scenario	Yes	
NI-5.1.14		56.1.3 Manual Network Selection	Scenario A: NMO II - CS Reject Scenario	No	
			Scenario B: NMO II - CS+PS Reject Scenario	Yes	
NI-5.1.15	56.2 Steering of Roaming / Rejected	56.2.1 Multi Network	Scenario A: NMO II - CS Reject	No	

	network stored on Preferred PLMN list (EFPLMNwAcT)	Environment	Scenario		
			Scenario B: NMO II - CS+PS Reject Scenario	Yes	