

Field Trial Technical Report

Applicant	Huawei Technologies Co., Ltd.
Type	EM820W
HW	MD1EM820WM
SW	11.808.07.03.00
Status	Final Report
Report Number	FT-RC010a-2011
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Note:

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FT-RC010a-2011

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1 Administration Information

1.1 Test Laboratory

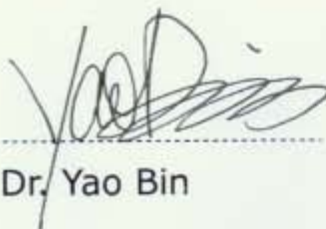
Name Beijing 7 layers Huarui Communications
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Contact Dr. Yao Bin

Field Trial Manager:



Mr. Shi Yu

Authorized by:



Dr. Yao Bin

1.2 Certification Applicant

Name Huawei Technologies Co., Ltd.
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City Shenzhen
Country China
Phone 0755-36834347
Fax 0755-36839014
Contact Mrs. Kang Ying

1.3 Reference Criteria

GCF Certification Version 3.40.0 Appendix F3.5.2
Criteria
Field Trial Guideline GSMA TS.11 Version 10.0

2 Device Under Test (DUT)

2.1 Technical Information

Manufacture Huawei Technologies Co., Ltd.

Type EM820W

Description HSPA+ Module

Protocol GSM850/900/1800/1900

UMTS FDD Band I/II/V/VIII

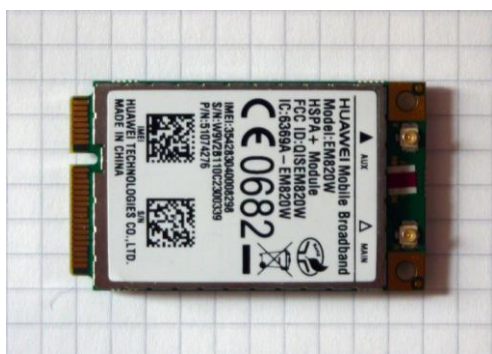
Claimed Features			
Supports OMA MMS 1.0, 1.1, 1.2 or 1.3	No	AMR A:NB B:WB	No
GPRS Supported	Yes	Supports JAVA	No
GPRS Multi Slot Class	12	Supports HAC	No
EGPRS supported	Yes	Supports DARP	No
EGPRS Multi Slot Class	12	Supports GAN/UMA	No
HSDPA Supported	Yes	Supports OMA IMPS 1.2.1	No
HSUPA Supported	Yes	Supports CS 3GPP video telephony (VT)	No
SIM/USIM/UICC Supported	SIM&USIM&UICC	Supports Wi-Fi	No
SATK/USAT Supported	No	Speech A:FR B:HR C:EFR D: N/A	No
Supports OMA PoC 1.0	No	Supports SMS	Yes
Supports A-GPS	Yes	Supports OMA Device Management 1.2	No
Supports TTY	No	Supports OMA Browsing 2.1, 2.2 or 2.3	No
Supports Bluetooth	No	Supports Streaming	No
Supports WAP	No	Supports IMS/SIP	No

2.2 Tested Samples

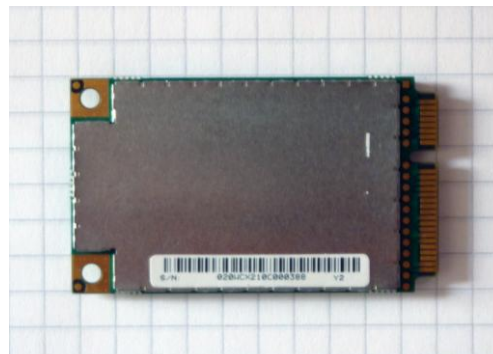
In total, four pieces of samples are tested. Detailed configurations are listed. Additionally, the following versions of device driver are installed on the PC for dial-up.

DUT Number	A01	B01	C01	D01
IMEI	35428304000 8298	35428304000 0625	35428304000 0567	35428304000 8140
HW Version	MD1EM820W M	MD1EM820W M	MD1EM820W M	MD1EM820W M
SW Version	11.808.07.0 3.00	11.808.07.0 3.00	11.808.07.0 3.00	11.808.07.0 3.00
Driver Version	01	01	01	01
Receipt Date	2010-03-15	2010-03-15	2010-03-15	2010-03-15

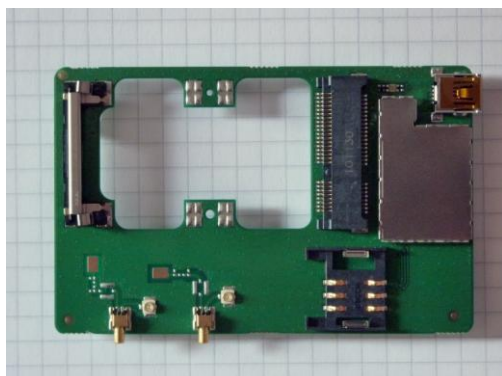
2.3 Exemplary photos of the tested sample



Front View



Back View



Test bed



Antenna & data cable

2.4 Peripheral Facilities

Three notebook PCs are used as an email client. The PC configuration is listed here:

PC Dial-up Terminal

Type	Notebook
Manufacture	Toshiba
CPU	Centrino 1.8GHz
OS	Microsoft Windows XP Professional Edition Service pack 2
Language	Spanish/German/Italian
Email client	web UI through Internet Explorer 6.0

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, five networks are utilized, from which the corresponding SIMs/UICCs are applied. The utilized networks are located at:

- a) O2, Munich, Germany
- b) Vodafone, Munich, Germany
- c) Vodafone, Barcelona, Spain
- d) Telefonica, Barcelona, Spain
- e) Vodafone Omnitel, Milano, Italy

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 dependent	PS network dependent	SMSC dependent	SIM/UICC dependent	Network /SIM/UICC /Client independent	GERAN Regression	Terminal-to-Terminal depend.
Germany	O2	A01	A01	A01	A01	A01		
	Vodafone	B01	B01	B01	B01		B01	B01
Spain	Vodafone	C01	C01	C01	C01			
	Telefonica	C01	C01		C01			
Italy	Vodafone Omnitel	D01	D01		D01			

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	<i>PASS</i> 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	<i>NS/M</i> 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
- ♦ O2 Germany
Nothing to mention
- ♦ Vodafone Spain
Nothing to mention
- ♦ Telefonica Spain
Nothing to mention
- ♦ Vodafone Omnitel Italy
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 O2 Germany

	RAN/CORE network dependent (RC)		PS network dependent (PS)		SMSC dependent (SMS)		SIM/UICC dependent (SIM)		Network/SIM /UICC/Client independent (NI)		GERAN Regression (2G)		Terminal- To-Terminal dependent (T2T)	
Total Cases	104		42		15		18		149					
NS/M	83	80%	8	19%	1	7%	7	39%	103	69%				
NS/N	9	9%	8	19%	0	0%	0	0%	3	2%				
Not Tested	0	0%	0	0%	0	0%	0	0%	0	0%				
Applicable cases	12		26		14		11		43					
PASS	12	100%	26	100%	14	100%	11	100%	43	100%				
FAIL	0	0%	0	0%	0	0%	0	0%	0	0%				

6.2 Vodafone Germany

	RAN/CORE network dependent (RC)		PS network dependent (PS)		SMSC dependent (SMS)		SIM/UICC dependent (SIM)		Network/SIM /UICC/Client independent (NI)		GERAN Regression (2G)		Terminal- To-Terminal dependent (T2T)	
Total Cases	104		42		15		18				32		10	
NS/M	83	80%	8	19%	1	7%	7	39%			26	81%	10	100%
NS/N	10	10%	6	14%	0	0%	0	0%			3	9%	0	0%
Not Tested	0	0%	0	0%	0	0%	0	0%			0	0%	0	0%
Applicable cases	11		28		14		11				3		0	
PASS	11	100%	28	100%	14	100%	11	100%			3	100%	0	0%
FAIL	0	0%	0	0%	0	0%	0	0%			0	0%	0	0%

6.3 Vodafone Omnitel Italy

	RAN/CORE network dependent (RC)		PS network dependent (PS)		SMSC dependent (SMS)		SIM/UICC dependent (SIM)		Network/SIM /UICC/Client independent (NI)	GERAN Regression (2G)	Terminal- To-Terminal dependent (T2T)
Total Cases	104		42				18				
NS/M	83	80%	8	19%			7	39%			
NS/N	10	10%	6	14%			1	6%			
Not Tested	0	0%	0	0%			0	0%			
Applicable cases	11		28				10				
PASS	11	100%	28	100%			10	100%			
FAIL	0	0%	0	0%			0	0%			

6.4 Vodafone Spain

	RAN/CORE network dependent (RC)		PS network dependent (PS)		SMSC dependent (SMS)		SIM/UICC dependent (SIM)		Network/SIM /UICC/Client independent (NI)	GERAN Regression (2G)	Terminal- To-Terminal dependent (T2T)
Total Cases	104		42		15		18				
NS/M	83	80%	8	19%	1	7%	7	39%			
NS/N	10	10%	11	26%	0	0%	0	0%			
Not Tested	0	0%	0	0%	0	0%	0	0%			
Applicable cases	11		23		14		11				
PASS	11	100%	23	100%	14	100%	11	100%			
FAIL	0	0%	0	0%	0	0%	0	0%			

6.5 Telefonica Spain

	RAN/CORE network dependent (RC)		PS network dependent (PS)		SMSC dependent (SMS)		SIM/UICC dependent (SIM)		Network/SIM /UICC/Client independent (NI)		GERAN Regression (2G)		Terminal- To-Terminal dependent (T2T)	
Total Cases	104		42				18							
NS/M	83	80%	8	19%			7	39%						
NS/N	10	10%	5	12%			0	0%						
Not Tested	0	0%	0	0%			0	0%						
Applicable cases	11		29				11							
PASS	11	100%	29	100%			11	100%						
FAIL	0	0%	0	0%			0	0%						

7 GCF Field Trial Results (GCF-CC-3400-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 #3	RC #4	RC #5	
RC-1	20	SYSTEM ACCESS & REGISTRATION						
RC-1.1.1	20.1.1	IMSI Attach and Detach - Attach	PASS	PASS	PASS	PASS	PASS	
RC-1.1.2	20.1.1	IMSI Attach and Detach - Detach	PASS	PASS	PASS	PASS	PASS	
RC-1.2.1	20.2.1	GPRS Attach and Detach - Attach	PASS	PASS	PASS	PASS	PASS	
RC-1.2.2	20.2.1	GPRS Attach and Detach - Detach	PASS	PASS	PASS	PASS	PASS	
RC-1.3.1	20.3.1	Combined Attach and Detach (in NMO1) - Attach	NS/N	NS/N	NS/N	NS/N	NS/N	
RC-1.3.2	20.3.1	Combined Attach and Detach (in NMO1) - Detach	NS/N	NS/N	NS/N	NS/N	NS/N	
RC-1.4.1	20.4.1.1	Normal Location Updating - Normal Case	PASS	PASS	PASS	PASS	PASS	
RC-1.5.1	20.5.1	Routing Area Update - Routing Area Update; Successful	PASS	PASS	PASS	PASS	PASS	
RC-1.5.2	20.5.2	Routing Area Update - Combined Routing Area and Location Area Update (NMO1)	NS/N	NS/N	NS/N	NS/N	NS/N	
RC-1.5.3	20.5.3	Routing Area Update - Periodic Routing Area Update	PASS	PASS	PASS	PASS	PASS	
	21	Physical Radio Layer FDD						
RC-1.6.1	21.2.1	Time Switched Transmit	NS/N	NS/N	NS/N	NS/N	NS/N	

		Diversity (TSTD)						
RC-1.6.2	21.2.2	Space Time Transmit Diversity (STTD)	NS/N	NS/N	NS/N	NS/N	NS/N	
RC-1.6.3	21.2.3	Closed Loop Transmit Diversity	NS/N	NS/N	NS/N	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	PASS	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	PASS	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	NS/M	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	NS/M	NS/M	NS/M	
RC-2.2.5	22.3.5	Dedicated Mode Handovers - Shared RNC, Shared frequencies, Shared Iub Interface, Dedicated Mode Multi RAB	PASS	PASS	PASS	PASS	PASS	
RC-2.2.6	22.3.6	Dedicated Mode Handovers - Shared RNC, Shared frequencies, Iub Interface not shared, Dedicated Mode Voice	NS/M	NS/M	NS/M	NS/M	NS/M	

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	NS/M	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	NS/M	NS/M	NS/M	
RC-2.2.11	22.3.15	Dedicated Mode Handovers - RNC not shared, Shared frequencies, Iur Interface present, Dedicated Mode Multi RAB	PASS	PASS	NS/N	NS/N	PASS	
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	NS/M	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	NS/M	NS/M	NS/M	
RC-2.2.15	22.3.19	Dedicated Mode Handovers - RNC not shared, Shared frequencies, no Iur Interface, Dedicated Mode Multi RAB	PASS	NS/N	PASS	PASS	NS/N	
RC-2.2.16	22.3.29	Dedicated Mode Handovers - 2G - 3G All frequency band combinations, Dedicated	NS/M	NS/M	NS/M	NS/M	NS/M	

		Mode Voice						
RC-2.2.18	22.3.31	Dedicated Mode Handovers - 3G - 2G All frequency band combinations, Dedicated Mode Voice	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-2.2.19	22.3.21	Dedicated Mode Handovers - 3G Inter-frequency handover, Different Frequencies, Dedicated Mode Voice	NS/N	NS/N	NS/N	NS/N	NS/N	
RC-2.2.20	22.3.22	Dedicated Mode Handovers - 3G Inter-frequency handover, Different Frequencies, Dedicated Mode Video Telephony	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-2.2.22	22.3.24	Dedicated Mode Handovers - 3G Inter-frequency handover, Different Frequencies, Dedicated Mode Multi RAB	NS/N	NS/N	NS/N	NS/N	NS/N	
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	NS/M	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	NS/M	NS/M	NS/M	
RC-2.2.25	22.3.28	Dedicated Mode Handovers - 3G Inter-Band handover (FDD x – FDD y),	NS/N	NS/N	NS/N	NS/N	NS/N	

		Dedicated Mode Multi RAB						
RC-2.3.1	40.6.2.1	WB-AMR Intra Frequency handover (3G)	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-2.3.2	40.6.2.2	WB-AMR Inter Frequency handover (3G)	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-2.3.3	40.6.2.3	WB-AMR 3G -> 2G handover	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-2.3.4	40.6.2.4	WB-AMR 2G -> 3G handover	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-2.3.5	40.6.2.5	WB-AMR 2G -> 2G handover	NS/M	NS/M	NS/M	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	NS/M	NS/M	NS/M	
RC-3		MULTICALL AND MULTI RAB CS-PS						
RC-3.1.1	24.2a	Voice call & PS-datacall - Make first MO Voice call and second MO PS-datacall. End first Voice call.	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-3.1.2	24.2b	Voice call & PS-datacall - Make first MO PS-datacall and second MO Voice call. End first PS-datacall.	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-3.1.3	24.2c	Voice call & PS-datacall - Make first MO PS-datacall and second MT Voice call. End first PS-datacall.	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-3.1.4	24.2d	Voice call & PS-datacall - Make first MO PS-datacall and second MT Voice call. End first Voice call.	NS/M	NS/M	NS/M	NS/M	NS/M	

RC-3.2.1	24.4a	Video call & PS-datacall - Make first MO Video call and second MO PS-datacall. End first Video call.	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-3.2.2	24.4b	Video call & PS-datacall - Make first MO PS-datacall and second MO Video call. End first PS-datacall.	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-3.2.3	24.4c	Video call & PS-datacall - Make first MO PS-datacall and second MT Video call. End first PS-datacall.	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-3.2.4	24.4d	Video call & PS-datacall - Make first MO PS-datacall and second MT Video call. End first Video call.	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-3.3.1	40.6.4.1	WB-AMR Terminated call during Packet connection	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-3.3.2	40.6.4.2	WB-AMR Originated call during Packet connection	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-4	40	BASIC VOICE CALLS CS						
RC-4.1.1	40.1.1	Mobile originated call - To PBX extension	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-4.1.2	40.1.1	Mobile originated call - To Mobile	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-4.1.3	40.1.2	Mobile originated call to occupied phone - To PBX extension	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-4.1.4	40.1.2	Mobile originated call to occupied phone - To Mobile	NS/M	NS/M	NS/M	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	NS/M	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	NS/M	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	NS/M	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	NS/M	NS/M	NS/M	
RC-4.2.1	40.2	Mobile terminated call - From PBX extension	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-4.2.2	40.2	Mobile terminated call - From Mobile	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-4.3.1	40.3.1	Interrogation for the CLIP status (*#30#) - With *#30#	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-4.3.2	40.3.1	Interrogation for the CLIP status (*#30#) - With the menu	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-4.3.3	40.3.2	Interrogation for the CLIR status (*#31#) - With *#31#	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-4.3.4	40.3.2	Interrogation for the CLIR status (*#31#) - With the menu	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-4.4.1	40.4	Basic Voice Calls - DTMF	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-4.5.1	40.6.1.1	WB-AMR originated call to 2nd WB-AMR device	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-4.5.2	40.6.1.2	WB-AMR terminated call from 2nd WB-AMR device	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-4.5.3	40.6.1.3	Mobile originated call to device not supporting WB-AMR	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-4.5.4	40.6.5.1	DTMF during WB-AMR call	NS/M	NS/M	NS/M	NS/M	NS/M	

RC-5	42	SUPPLEMENTARY SERVICES						
RC-5.1.1	42.1	Call Forwarding - CFU - without basic services - Code	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.1.2	42.1	Call Forwarding - CFB - without basic services - Code	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.1.3	42.1	Call Forwarding - CFNRY - without basic services - Code	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.1.4	42.1	Call Forwarding - CFNRC - without basic services - Code	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.1.5	42.1	Call Forwarding - CFU - with provisioned basic services fax - Code	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.1.6	42.1	Call Forwarding - CFB - with provisioned basic services fax - Code	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.1.7	42.1	Call Forwarding - CFNRY - with provisioned basic services fax - Code	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.1.8	42.1	Call Forwarding - CFNRC - with provisioned basic services fax - Code	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.1.9	42.1.6.1	Call Forwarding - Display message of registered and activated call forwarding during MOC setup - MOC with ALL Conditional CF	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.2.1	42.3.1.2	Call Waiting - Setting without basic service - Code	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.2.2	42.3.1.1	Call Waiting - waiting call indication - Local clear	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.2.3	42.3.1.1	Call Waiting - waiting call indication - Call hold	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.2.4	42.3.1.1	Call Waiting - waiting call indication - Distant	NS/M	NS/M	NS/M	NS/M	NS/M	

		clear						
RC-5.2.5	42.3.2	Call Hold - Hold/Retrieve	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.2.6	42.3.2	Call Hold - Alternate between two calls	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.3.1	42.4	Multi Party - Join (party 1, party 2 and party 3)	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.3.2	42.4	Multi Party - MPTY on hold, Take extra MT call (party 4)	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.3.3	42.4	Multi Party - Add MT call (party 4) to MPTY	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.3.4	42.4	Multi Party - MPTY on hold, Make MO call (party 5)	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.3.5	42.4	Multi Party - Alternate between MO call (party 5) & MPTY	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.3.6	42.4	Multi Party - Add MO call (party 5) to MPTY	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.3.7	42.4	Multi Party - MPTY on hold, Make MO call (party 6)	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.3.8	42.4	Multi Party - Add MO call (party 6) to MPTY	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.3.9	42.4	Multi Party - MPTY on hold, Take extra MT call (party 7)	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.3.10	42.4	Multi Party - Add MT call (party 7) to MPTY – attempt fails	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.3.11	42.4	Multi Party - Clear one party from MPTY, and add MTC to MPTY	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.3.12	42.4	Multi Party - Private communication with one party, rest of MPTY on hold	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-5.4.1	42.6.5	USSD - Invoke a USSD request	NS/M	NS/M	NS/M	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	NS/M	NS/M	NS/M	
RC-6.1.6	45.1.1.1.6	Video Telephony – Call establishment - Remote handset busy	NS/M	NS/M	NS/M	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	NS/M	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	NS/M	NS/M	NS/M	
RC-6.1.11	45.1.4.1	Roaming video call - UMTS Mobile to UMTS Mobile	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-6.2.1	45.2.1	Supplementary Services with Video call - Call waiting during pending Video Call	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-6.2.3	45.2.3	Supplementary Services with Video call - CLIP activated	NS/M	NS/M	NS/M	NS/M	NS/M	
RC-6.2.4	45.2.4	Supplementary Services with Video call - CLIP deactivated	NS/M	NS/M	NS/M	NS/M	NS/M	

7.2 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 #3	PS #4	PS #5	
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	PASS	PASS	PASS	
PS-1.1.2	23.1.3b	MO PDP context activation - MO PDP context activation for Browsing Application	NS/M	NS/M	NS/M	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	PASS	PASS	PASS	
PS-1.1.4	23.1.4b	Manual MO PDP context deactivation - Manual MO PDP context deactivation for Browsing Application	NS/M	NS/M	NS/M	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	NS/N	PASS	PASS	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	NS/M	NS/M	NS/M	NS/M	NS/M	

		rejected for Browsing Application						
PS-1.2.1	23.2.1	Multiple PDP Activation / Deactivation - 2 Simultaneous Primary PDP Context Activation	NS/M	NS/M	NS/M	NS/M	NS/M	
PS-1.2.2	23.2.2	Multiple PDP Activation / Deactivation - 2 Simultaneous Primary PDP Context - MO deactivation	PASS	PASS	PASS	PASS	NS/N	
PS-1.2.3	23.2.4	Multiple PDP Activation / Deactivation - Secondary MO PDP Context activation during a PS call	PASS	PASS	PASS	PASS	NS/N	
PS-1.3.1	23.3.1	Service Request in roaming - PDP context activation in roaming	PASS	PASS	PASS	PASS	PASS	
PS-1.5.1	27.2.1, 26.2.1	Interrupted data transfer (HTML browsing)	PASS	PASS	PASS	PASS	PASS	
PS-1.5.2	26.2.2.1	Relative Throughput Measure – Downlink FTP	PASS	PASS	PASS	PASS	PASS	
PS-1.5.3	26.2.3, 27.2.2.1	Relative Throughput Measure – Uplink FTP	PASS	PASS	PASS	PASS	PASS	
PS-1.5.4	26.2.4, 27.2.3	Relative Throughput Measure – Uplink and Downlink FTP	PASS	PASS	PASS	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	PASS	PASS	PASS	
PS-1.6.2	23.10.2 26.4.2	Channel Type Switching /	PASS	PASS	PASS	PASS	NS/N	

	27.4.2	CELL_FACH to CELL_PCH						
PS-1.6.3	23.10.4 26.4.4 27.4.4	Channel Type Switching / CELL_PCH to RRC idle	PASS	PASS	PASS	PASS	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	PASS	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	PASS	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	PASS	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	PASS	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	PASS	PASS	PASS	

PS-2.1.6	22.3.13	Dedicated Mode Handovers - RNC not shared, Shared frequencies, Iur Interface present, Dedicated Mode PS Data	PASS	PASS	NS/N	NS/N	PASS	
PS-2.1.7	22.3.18	Dedicated Mode Handovers - RNC not shared, Shared frequencies, no Iur Interface, Dedicated Mode PS Data	NS/N	NS/N	PASS	PASS	NS/N	
PS-2.1.8	22.3.30	Dedicated Mode Handovers - 2G-3G, Dedicated Mode PS Data	NS/N	NS/N	PASS	NS/N	NS/N	
PS-2.1.9	22.3.32	Dedicated Mode Handovers - 3G - 2G, Dedicated Mode PS Data	PASS	PASS	PASS	PASS	PASS	
PS-2.1.10	22.3.23	Dedicated Mode Handovers - Different Frequencies, Dedicated Mode PS Data	NS/N	PASS	PASS	PASS	NS/N	
PS-2.1.11	22.3.27	Dedicated Mode Handovers - 3G Inter-Band handover (FDD x - FDD y), Dedicated Mode PS Data	NS/N	NS/N	NS/N	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	NS/N	NS/N	NS/N	
PS-3.1.2	21.2.2	Space Time Transmit Diversity (STTD)	NS/N	NS/N	NS/N	NS/N	NS/N	
PS-3.1.3	21.2.3	Closed Loop Transmit Diversity	NS/N	NS/N	NS/N	NS/N	NS/N	
PS-4	26	HSDPA Multicall						

PS-4.1.1	26.3.1	Voice call + HSDPA PS data call	NS/M	NS/M	NS/M	NS/M	NS/M	
PS-4.1.2	26.3.2	Video call + HSDPA PS data call	NS/M	NS/M	NS/M	NS/M	NS/M	
PS-4.1.3	26.3.3	HSDPA PS data call & PS Services	PASS	PASS	PASS	PASS	PASS	
PS-4.1.4	26.3.4.1	Relative Downlink FTP Throughput for HSDPA PS RAB during Multicall	PASS	PASS	PASS	PASS	PASS	
PS-4.1.5	26.3.5	Relative Uplink FTP Throughput for HSDPA PS RAB during Multicall	PASS	PASS	PASS	PASS	PASS	
PS-4.1.6	26.3.6	Relative Simultaneous FTP Throughput for HSDPA PS RAB during Multicall.	PASS	PASS	PASS	PASS	PASS	
PS-5	26 & 27	EUL Multicall						
PS-5.1.1	27.3.1	Voice call + EUL Datacall	NS/M	NS/M	NS/M	NS/M	NS/M	
PS-5.1.2	27.3.2	Video Call + EUL Datacall	NS/M	NS/M	NS/M	NS/M	NS/M	
PS-5.1.3	27.3.3	EUL PS Datacall & PS Services	PASS	PASS	PASS	PASS	PASS	
PS-5.1.5	27.3.4.1	Relative Uplink FTP Throughput for EUL PS RAB during Multicall.	PASS	PASS	PASS	PASS	PASS	
PS-5.1.6	27.3.5	Relative Simultaneous FTP Throughput for EUL/HSDPA PS RAB during Multicall.	PASS	PASS	PASS	PASS	PASS	

7.3 For SMSC dependent Field Trial Requirements (SMS)

Reference		SMSC Configuration				Comments
GCF No.	TS.11 No.	Description	SMS #1	SMS #2	SMS #3	Other Info
SMS-1	41	SHORT MESSAGE SERVICE (SMS)				
SMS-1.1.1	41.1.5	SMS mobile originated - Status Report	PASS	PASS	PASS	
SMS-1.1.2	41.1.7.1	Input SM (160 characters) when using MMI language of Default 7-bit alphabet	PASS	PASS	PASS	
SMS-1.1.3	41.1.8.1	Input concatenated SM - Default 7-bit alphabet (over 160 characters)	PASS	PASS	PASS	
SMS-1.1.4	41.1.8.2	Input concatenated SM - Extended default 7-bit alphabet (over 140 Bytes)	PASS	PASS	PASS	
SMS-1.1.5	41.1.8.3	Input concatenated SM - UCS-2 alphabet (over 70 characters)	PASS	PASS	PASS	
SMS-1.2.1	41.2.1	SMS mobile terminated - During mobile in idle mode	PASS	PASS	PASS	
SMS-1.2.2	41.2.6	SMS mobile terminated - Return call to the originating number	NS/M	NS/M	NS/M	
SMS-1.2.3	41.2.8.1	Terminated Concatenated SM - Default 7-bit alphabet	PASS	PASS	PASS	
SMS-1.2.4	41.2.8.2	Terminated Concatenated SM -	PASS	PASS	PASS	

		UCS2 alphabet				
SMS-1.2.5	41.2.8.3	Terminated Concatenated SM - Terminated concatenated SM (over MS max. capacity)	PASS	PASS	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	PASS	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	PASS	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	PASS	PASS	
SMS-1.4.1	41.9.1	Memory full condition (general function) - Store SM on the SIM; when SIM memory full	PASS	PASS	PASS	
SMS-1.4.2	41.9.3	Memory full condition (general function) - Delete SM on the SIM	PASS	PASS	PASS	

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

Reference		SIM/UICC Configuration						Comments
GCF No.	TS.11 No.	Description	SIM #1	SIM #2	SIM #3	SIM #4	SIM #5	
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	PASS	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	PASS	PASS	PASS	
SIM-1.1.3	25.1.4.1b	PIN handling - Change of PIN (Menu)	PASS	PASS	PASS	PASS	PASS	
SIM-1.1.5	25.1.4.3b	PIN handling - Change of PIN, old PIN wrong (Menu)	PASS	PASS	PASS	PASS	PASS	
SIM-1.1.7	25.1.4.5	PIN handling - Deactivation of PIN	PASS	PASS	PASS	PASS	PASS	
SIM-1.1.9	25.1.4.7	PIN handling - Activation of PIN	PASS	PASS	PASS	PASS	PASS	
SIM-1.1.11	25.1.4.9b	PIN handling - Unblocking of blocked PIN (Menu)	PASS	PASS	PASS	PASS	PASS	
SIM-1.1.12	25.1.5.1b	PIN2 handling - Change of PIN2 (Menu)	NS/M	NS/M	NS/M	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	NS/M	NS/M	NS/M	
SIM-1.1.17	25.1.5.6b	PIN2 handling - Unblocking of blocked PIN2 (Menu)	NS/M	NS/M	NS/M	NS/M	NS/M	
SIM-1.1.18	25.1.9	Preferred Languages (PL) - Preferred Languages (PL)	PASS	PASS	PASS	PASS	PASS	
SIM-1.1.19	25.1.10.2	FDN - Correct Operation Of FDN	NS/M	NS/M	NS/M	NS/M	NS/M	

SIM-1.1.20	25.1.11.1	Phonebook tests - Reading / Writing / Deleting ADNs	PASS	PASS	PASS	PASS	PASS	
SIM-1.1.21	25.1.11.3	Phonebook tests - Support of EMAIL	NS/M	NS/M	NS/M	NS/M	NS/M	
SIM-1.1.22	25.1.11.4	Phonebook tests - Support of ANR (Additional Number)	NS/M	NS/M	NS/M	NS/M	NS/M	
SIM-1.2.1	25.3.1	USIM Interoperability - Memory Full Conditions (Phone Book)	PASS	PASS	PASS	PASS	PASS	
SIM-1.2.2	25.3.2	USIM Interoperability - MSISDN saved on USIM	PASS	NS/N	PASS	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#'	NS/M	NS/M	NS/M	NS/M	NS/M	

7.5 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, 110, 118, 119, 999} (Emergency Camping)	NS/M	
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, 119, 999} if not stored in SIM/USIM (Emergency Camping)	NS/M	
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	NS/N	
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	NS/M	
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	PASS	

		the SIM and verify the content of the SM data fields on the SIM		
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	Call Forwarding - CFU - without basic services - Menus	NS/M	
NI-3.1.2	42.1	Call Forwarding - CFB - without basic services - Menus	NS/M	
NI-3.1.3	42.1	Call Forwarding - CFNRY - without basic services - Menus	NS/M	
NI-3.1.4	42.1	Call Forwarding - CFNRC - without basic services - Menus	NS/M	
NI-3.1.5	42.1	Call Forwarding - CFU - with provisioned basic services fax - Menus	NS/M	
NI-3.1.6	42.1	Call Forwarding - CFB - with provisioned basic services fax - Menus	NS/M	
NI-3.1.7	42.1	Call Forwarding - CFNRY - with provisioned basic services fax - Menus	NS/M	
NI-3.1.8	42.1	Call Forwarding - CFNRC - with provisioned basic services fax - Menus	NS/M	
NI-3.2.1	42.2	Call Barring - BAOC - without basic services - Code	NS/M	
NI-3.2.2	42.2	Call Barring - BOIC - without basic services - Code	NS/M	
NI-3.2.3	42.2	Call Barring - BOIC-exHC - without basic services - Code	NS/M	
NI-3.2.4	42.2	Call Barring - BAIC - without basic services - Code	NS/M	
NI-3.2.5	42.2	Call Barring - BAIC-R - without basic services - Code	NS/M	
NI-3.2.6	42.2	Call Barring - BAOC - without basic services - Menus	NS/M	
NI-3.2.7	42.2	Call Barring - BOIC - without basic services - Menus	NS/M	
NI-3.2.8	42.2	Call Barring - BOIC-exHC - without basic services - Menus	NS/M	
NI-3.2.9	42.2	Call Barring - BAIC - without basic services - Menus	NS/M	
NI-3.2.10	42.2	Call Barring - BAIC-R - without basic services - Menus	NS/M	
NI-3.2.11	42.2	Call Barring - General deactivation of barring services - Code	NS/M	

NI-3.2.12	42.2	Call Barring - General deactivation of barring services - Menus	NS/M	
NI-3.2.13	42.2.5.1	Call Barring - Change of password - Code - *03**OLD*NEW*NEW#	NS/M	
NI-3.2.14	42.2.5.1	Call Barring - Change of password - Code - **03**OLD*NEW*NEW#	NS/M	
NI-3.2.15	42.2.5.1	Call Barring - Change of password - Code - *03*330*OLD*NEW*NEW#	NS/M	
NI-3.2.16	42.2.5.1	Call Barring - Change of password - Menus	NS/M	
NI-3.3.1	42.3.1.2	Call Waiting - Setting 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/N	
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-5.3.1	20.6.1.1	Network Selection - Automatic Mode at Power on - UE selects a prioritised network (PLMNsel List on the SIM(<=R98))	PASS	
NI-5.3.2	20.6.1.2	Network Selection - Automatic Mode at Power on - UE	PASS	

		selects a prioritised network (User controlled PLMNwAcT List on the SIM/USIM(>=rel99))		
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	NS/N	
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	20.6.6.1a	Steering of Roaming / Rejected network not stored on Preferred PLMN list (EF _{PLMNwAcT}) - Multi Network Environment	PASS	
NI-5.3.13	20.6.6.21b	Steering of Roaming / Rejected network not stored on Preferred PLMN list (EF _{PLMNwAcT}) - Manual Network Selection	PASS	
NI-5.3.14	20.6.6.1c	Steering of Roaming / Rejected network not stored on Preferred PLMN list (EF _{PLMNwAcT}) - Single Network Environment	PASS	
NI-5.3.15	20.6.6.2	Steering of Roaming / Rejected network stored on Preferred PLMN list (EF _{PLMNwAcT})	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	

7.6 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-1.5.1	40.6.1.1	WB-AMR originated call to 2nd WB-AMR device	NS/M	
2G-1.5.2	40.6.1.2	WB-AMR terminated call from 2nd WB-AMR device	NS/M	
2G-1.5.3	40.6.1.3	Mobile originated call to device not supporting WB-AMR	NS/M	
2G-1.5.4	40.6.5.1	DTMF during WB-AMR call	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	Call Forwarding - CFU - without basic services - Code	NS/M	
2G-3.1.2	42.1	Call Forwarding - CFB - without basic services - Code	NS/M	
2G-3.1.3	42.1	Call Forwarding - CFNRY - without basic services - Code	NS/M	
2G-3.1.4	42.1	Call Forwarding - CFNRC - without basic services - Code	NS/M	
2G-3.1.5	42.1	Call Forwarding - CFU - with provisioned basic services fax - Code	NS/M	
2G-3.1.6	42.1	Call Forwarding - CFB - with provisioned basic services fax - Code	NS/M	
2G-3.1.7	42.1	Call Forwarding - CFNRY - with provisioned basic services fax - Code	NS/M	
2G-3.1.8	42.1	Call Forwarding - CFNRC - with provisioned basic services fax - Code	NS/M	
2G-3.1.9	42.1	Call Forwarding - Display message of registered and activated call forwarding during MOC setup - MOC with ALL Conditional CF	NS/M	

7.7 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	

7.8 Configuration used for RAN/CORE network dependent Field Trials

			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	I	Siemens	UMR6.5	Siemens	UCR3.0 CS
2	R6	I	Huawei	RAN10	Nortel	NSS18
3	Rel 5	I	Nokia Siemens	RAS 06	Nokia Siemens	M13
4	R6	I	Huawei	RAN11	Ericsson	MSS5.1 (R13)
5	Rel-6	I	Ericsson	P6	Ericsson	R12.1

7.9 Configuration used for packet network dependent Field Trials

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-5	Y	Y	Siemens	UCR 4.0P	Siemens	IPS-3.0	Siemens	UMR6.5
2	R5	Y	Y	NSN	SG6 CD5	NSN	FISN3.2 PCD2.2	Huawei	RAN 10.0
3	Rel 5	Y	Y	Nokia Siemens	SG6	Nortel	V5	Nokia Siemens	RAS 06
4	R6	Y	Y	Ericsson	R2008B	Starent	R8.1	Huawei	RAN11
5	R5	Y	Y	Nokia	CRP r3.0.7, build 6	Nokia	FlexiISN rel 3.1-PCD1.5 Build-6	Ericsson	P6

7.10 Configuration used for SMSC dependent Field Trials

SMSC CONFIGURATION TESTED AGAINST (SMS)		
SMS	SMSC Manufacturer	SMSC SW Release
1	Airwide	V9.4
2	Acision	5.2
3	Logica CMG	4.6

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

T2T	Manufacturer	Model	SW version (opt.)
T2T 1	Nokia	E75	
T2T 2	LG	GC900	
T2T 3	Motorola	Z8	
T2T 4	Samsung	I7500	
T2T 5	Sony Ericsson	W995	
T2T N			

INFRASTRUCTURE INFORMATION			
MSC / CORE		BSS / RAN	
Manufacturer	SW Version	Manufacturer	SW Version

Siemens	UCR3.0 CS	Siemens	UMR6.5
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7.12 Configurations used for SIM/UICC dependent Field Trials

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*	Gemplu s	G&D	Incard		
SIM/UICC Release Version*	USIM	USIM	USIM		
SIM/UICC Chipset Supplier*	Samsun g S3CC9T W	Renesa s AE46C1 A	Samsun g S3CC9T C		
SIM/UICC Chipset Release Version*	n.a.	n.a.	n.a.		
EF _{ECC} Field (Stores Emergency Numbers) available on SIM/USIM (Yes/No)	Yes	Yes	Yes		
If yes - please provide numbers stored on EF _{ECC} , enter NONE if EF _{ECC} is empty	NONE	NONE	NONE		
HPLMN Timer for EF _{HPLMN} (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 DF _{PHONEBOOK} :					
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 DF _{PHONEBOOK} :					
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		
PSLOC1 Field present	Yes	Yes	Yes		
Number of EF _{PLMNWACT} entries supported	50	50	50		
Number of EF _{OPLMMNWACT} 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 (SIM/UICC)	UICC	UICC			
SIM application present (Yes/No)	Yes	Yes			
USIM application present (Yes/No)	Yes	Yes			
SIM/UICC Supplier*	G&D/Gemalto	G&D/Gemalto			
SIM/UICC Release Version*	V 2.0 "VA"/"VZ"	V 3.0 "WA"/"WZ"			
SIM/UICC Chipset Supplier*	NDA	NDA			
SIM/UICC Chipset Release Version*	NDA	NDA			
EF _{ECC} Field (Stores Emergency Numbers) available on SIM/USIM (Yes/No)	Yes	Yes			
If yes – please provide numbers stored on EF _{ECC} , enter NONE if EF _{ECC} is empty	112	112			
HPLMN Timer for EF _{HPPLMN} (in min)	6	6			

Description	SIM/UICC Card Configuration				
	S1	S2	S3	S4	S5
How to identify	Release letters are printed on the card	Release letters are printed on the card			
Voltage	3V / 5V	3V / 5V			
Prepay / Postpay	Postpay	Postpay			
SIM application (if present)					
Number of files under DF _{PHONEBOOK} :	14	14			
ADN	Yes	Yes			
FDN	30	30			
SMS Storage	20	20			
GPRS LOCI Field present	Yes	Yes			
Number of EF _{PLMNSeI} entries supported	32	32			
WIM*	No	No			
STK Menus active	No	No			
OTA Update*	Yes	Yes			
Other Functions*	Java	Java			
USIM application (if present)					
Number of files under DF _{PHONEBOOK} :	14	14			
ADN (Abbreviated dialling numbers)	250	250			
EXT1 (Extension1)	3	3			
AAS (Additional number Alpha String)	No	No			
GAS (Grouping information Alpha String)	No	No			
GRP (Grouping file)	No	No			
ANR (Additional Number)	50	50			
SNE (Second Name Entry)	25	25			
CCP1 (Capability Configuration Parameters 1)	3	3			
EMAIL (e-mail address)	25	25			
SMS Storage	20	20			
PSLOCI Field present	Yes	Yes			
Number of EF _{PLMNWACT} entries supported	N/A	N/A			
Number of EF _{OPLMMNWACT} entries supported	48	48			
WIM*	No	No			
USAT	Yes	Yes			
OTA Update*	Yes	Yes			
Other Functions	Java	Java			

Network 3

Description	SIM/UICC Card Configuration				
	S1	S2	S3	S4	S5

Description	SIM/UICC Card Configuration				
	S1	S2	S3	S4	S5
Card Type (SIM/UICC)	SIM	SIM	SIM/UICC	SIM/UICC	SIM/UICC
SIM application present (Yes/No)					
USIM application present (Yes/No)	NO	NO	YES	YES	YES
SIM/UICC Supplier*	Incard	Gemplus	Incard	Gemplus	Axalto
SIM/UICC Release Version*					
SIM/UICC Chipset Supplier*	Samsung S3CC9NC	Infineon SLE66C6 81GPE	Samsung S3CJ9QD	Samsung S3CC9T WX15	Renesas HWD65 257C
SIM/UICC Chipset Release Version*	n.a.	n.a.	n.a.	n.a.	n.a.
EF _{ECC} Field (Stores Emergency Numbers) available on SIM/USIM (Yes/No)	NO	No	Yes, 5	Yes, 5	Yes, 5
If yes – please provide numbers stored on EF _{ECC} , enter NONE if EF _{ECC} is empty	n.a.	n.a.	None	None	None
HPLMN Timer for EFhplmn (in min)	30	30	30	30	30
How to identify	NDA	NDA	NDA	NDA	NDA
Voltage	3/5	3/5	3/5	3/5	3/5
Prepay / Postpay	Postpaid/Prepaid	Postpaid/Prepaid	Postpaid/Prepaid	Postpaid/Prepaid	Postpaid/Prepaid
SIM application (if present)					
ADN	250	250	500	500	500
FDN	40	40	40	40	40
SMS Storage	30	30	50	50	50
GPRS LOCI Field present	Yes	Yes	Yes	Yes	Yes
WIM*	No	No	No	No	No
STK Menus active	Yes	Yes	Yes	Yes	Yes
OTA Update*	Yes	Yes	Yes	Yes	Yes
Other Functions*	NDA	NDA	NDA	NDA	NDA
Number of files under DF _{PHONEBOOK} :	N.A.	N.A.	21	21	21
– ADN (Abbreviated dialling numbers)	N.A.	N.A.	500	500	500
– EXT1 (Extension1)	N.A.	N.A.	Yes	Yes	Yes
– AAS (Additional number Alpha String)	N.A.	N.A.	Yes	Yes	Yes
– GAS (Grouping information Alpha String)	N.A.	N.A.	Yes	Yes	Yes

Description	SIM/UICC Card Configuration				
	S1	S2	S3	S4	S5
– GRP (Grouping file)	N.A.	N.A.	5	5	5
– ANR (Additional Number)	N.A.	N.A.	250	250	250
– SNE (Second Name Entry)	N.A.	N.A.	50	50	50
– CCP1 (Capability Configuration Parameters 1)	N.A.	N.A.	Yes	Yes	Yes
– EMAIL (e-mail address)	N.A.	N.A.	250	250	250
SMS Storage	-	-	-	-	-
PSLOCi Field present	No	NO	Yes	Yes	Yes
WIM*	No	No	No	No	No
USAT	N.A.	N.A.	Yes	Yes	Yes
OTA Update*	N.A.	N.A.	Yes	Yes	Yes
Other Functions	NDA	NDA	NDA	NDA	NDA

Network 4

Description	SIM/UICC Card Configuration				
	S1	S2	S3	S4	S5
Card Type (SIM/UICC)	SIM	SIM	SIM	SIM	UICC
SIM application present (Yes/No)	Yes	Yes	Yes	Yes	Yes
USIM application present (Yes/No)	No	No	No	No	Yes
SIM/UICC Supplier*	G&D	Gemalto	SanDisk	Oberthur	G&D Gemalto
SIM/UICC Release Version*	3GPP Rel-4	3GPP Rel-4	3GPP Rel-4	3GPP Rel-4	3GPP Rel-5
SIM/UICC Chipset Supplier*	Samsung	Atmel Infineon, Samsung	Renesas	Infineon	Renesas Samsung
SIM/UICC Chipset Release Version*	S3CC9 NC	AT90SC25672R T66C644P S3CC9 NC	AE4602	66C644P	AE57CA S3CC9TW
EFECC Field (Stores Emergency Numbers) available on SIM/USIM (Yes/No)	No	No	No	No	Yes

HPLMN Timer for EF _{HPPLMN} (in min)	30	30	30	30	30
How to identify	ICCID*	ICCID*	ICCID*	ICCID*	ICCID*
Voltage	3/5V	3/5V	3/5V	3/5V	3/5V
Prepay / Postpay	Both	Both	Both	Both	Both
SIM application (if present)					
Number of files under DF _{PHONEBOOK} :					
ADN	250	250	250	250	250
FDN	20	20	20	20	20
SMS Storage	20	20	20	20	20
GPRS LOCI Field present	Yes	Yes	Yes	Yes	Yes
Number of EF _{PLMNsel} entries supported	50	50	50	50	100
WIM*	No	No	No	No	No
STK Menus active	Yes	Yes	Yes	Yes	Yes
OTA Update*	Yes	Yes	Yes	Yes	Yes
Other Functions*					
USIM application (if present)					
Number of files under DF _{PHONEBOOK} :					22
ADN (Abbreviated dialling numbers)					2 files, 400 records
EXT1 (Extension1)					6 records
AAS (Additional number Alpha String)					10 records
GAS (Grouping information Alpha String)					5 records
GRP (Grouping file)					2 files, 400 records, 2 bytes per record
ANR (Additional Number)					3 files, 400 records for ANR11/12, 100 records for ANR2
SNE (Second Name Entry)					-
CCP1 (Capability Configuration Parameters 1)					5 records
EMAIL (e-mail address)					1 file, 200 records
SMS Storage					20
PSLOCI Field present					Yes
Number of EF _{PLMNwACT} entries supported					150 bytes
Number of EF _{OPLMMNwACT} entries supported					150 bytes
WIM*					No

USAT					Yes
OTA Update*					Yes
Other Functions					

Network 5

Description	SIM/UICC Card Configuration				
	S1	S2	S3	S4	S5
Card Type (SIM/UICC)	UICC	UICC	UICC	UICC	
SIM application present (Yes/No)	Yes	Yes	Yes	Yes	
USIM application present (Yes/No)	Yes	Yes	Yes	Yes	
SIM/UICC Supplier*	Sandisk	Gemalto	G&D	Oberthur	
SIM/UICC Release Version*	R 99 and R4	R 99 and R4	R 99 and R4	R 99 and R4	
SIM/UICC Chipset Supplier*	Multisourcing	Multisourcing	Multisourcing	Multisourcing	
SIM/UICC Chipset Release Version*	Multisourcing	Multisourcing	Multisourcing	Multisourcing	
EF _{ECC} Field (Stores Emergency Numbers) available on SIM/USIM (Yes/No)	Yes	Yes	Yes	Yes	
If yes – please provide numbers stored on EF _{ECC} , enter NONE if EF _{ECC} is empty	112	112	112	112	
HPLMN Timer for EFhplmn (in min)	30 min.	30 min.	30 min.	30 min.	
How to identify	ICC_ID Sandisk	ICC_ID Gemalto	ICC_ID G&D	ICC_ID Oberthur	
Voltage	3 and 1.8 V	3 and 1.8 V	3 and 1.8 V	3 and 1.8 V	
Prepay / Postpay	Yes	Yes	Yes	Yes	
SIM application (if present)					
ADN	250	250	250	250	
FDN	50	50	50	50	
SMS Storage	50	50	50	50	
GPRS LOCI Field present	Yes (all GPRS fields)	Yes (all GPRS fields)	Yes (all GPRS fields)	Yes (all GPRS fields)	
WIM*	No	No	No	No	
STK Menus active	Yes	Yes	Yes	Yes	
OTA Update*	Yes	Yes	Yes	Yes	
Other Functions*					
USIM application (if present)					

Description	SIM/UICC Card Configuration				
	S1	S2	S3	S4	S5
Number of files under DF _{PHONEBOOK} :					
– ADN (Abbreviated dialling numbers)	250	250	250	250	
– EXT1 (Extension1)	5	5	5	5	
– AAS (Additional number Alpha String)	4	4	4	4	
– GAS (Grouping information Alpha String)	4	4	4	4	
– GRP (Grouping file)	250	250	250	250	
– ANR (Additional Number)	50	50	50	50	
– SNE (Second Name Entry)	50	50	50	50	
– CCP1 (Capability Configuration Parameters 1)	5	5	5	5	
– EMAIL (e-mail address)	50	50	50	50	
SMS Storage	50	50	50	50	
PSLOC1 Field present	Yes	Yes	Yes	Yes	
WIM*	No	No	No	No	
USAT	Yes	Yes	Yes	Yes	
OTA Update*	Yes	Yes	Yes	Yes	
Other Functions	FDN, SDN,...	FDN, SDN,...	FDN, SDN,...	FDN, SDN,...	