



Partial GSM TEST REPORT

No. 2013FTA995C

For

Shanghai SIMCom Wireless Solutions Co.,Ltd.

GSM/GPRS+BT Wireless Data Module

Type SIM800

with

Hardware Version: V2.01

Software Version: SIM800 R13.08

Issued Date: 2014-1-27



Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of TMC Beijing.

Test Laboratory:

TMC Beijing, Telecommunication Metrology Center of the Ministry of Industry and Information Technology

No. 52, Huayuan Bei Road, Haidian District, Beijing, P. R. China 100191.

Tel:+86(0)10-62304633, Fax:+86(0)10-62304633 Email:welcome@emcite.com. www.emcite.com

CONTENTS

1. TEST LABORATORY	4
1.1. TESTING LOCATION	4
1.2. TESTING ENVIRONMENT	4
1.3. PROJECT DATA	4
1.4. SIGNATURE	4
2. CLIENT INFORMATION	5
2.1. APPLICANT INFORMATION	5
2.2. MANUFACTURER INFORMATION	5
3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT (AE)	6
3.1. ABOUT EUT	6
3.2. INTERNAL IDENTIFICATION OF EUT	6
3.3. INTERNAL IDENTIFICATION OF AE	6
4. REFERENCE DOCUMENTS	7
4.1. DOCUMENTS SUPPLIED BY APPLICANT	7
4.2. REFERENCE DOCUMENTS FOR TESTING	7
5. TEST RESULTS	8
5.1. SUMMARY OF TEST RESULTS	8
5.2. STATEMENTS	8
6. TEST EQUIPMENTS UTILIZED	9
6.1. RS TS8950G	9
6.2. AT4 MINT	11
7. MEASUREMENT UNCERTAINTY	11
ANNEX A: EUT PHOTOGRAPH	12
ANNEX B: PICS/PIXIT INFORMATION	13
ANNEX C: DETAILED TEST RESULTS	43
ANNEX C.1 MAIN TERMS	43
ANNEX C.2 TERMS USED IN CONDITION COLUMN	43
ANNEX C.3 TERMS USED IN VERDICT COLUMN	43
ANNEX C.4 TERMS USED IN NOTE COLUMN	44
ANNEX C.5 TESTCASES LIST	45

ANNEX D: ACCREDITATION CERTIFICATE	47
---	-----------

1. Test Laboratory

1.1. Testing Location

Company Name: TMC Beijing, Telecommunication Metrology Center of MIIT
Address: No 52, Huayuan beilu, Haidian District, Beijing,P.R.China
Postal Code: 100191
Telephone: 00861062304633
Fax: 00861062304633

1.2. Testing Environment

Normal Temperature: 15-35°C
Extreme Temperature: -10/+55°C
Relative Humidity: 20-75%

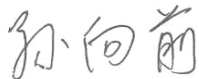
1.3. Project data

Project Leader: Li Guang
Testing Start Date: 2014-01-03
Testing End Date: 2014-01-23

1.4. Signature



Li Guang
(Prepared this test report)



Sun Xiangqian
(Reviewed this test report)



Song Chongwen
Deputy Director of the laboratory
(Approved this test report)

2. Client Information

2.1. Applicant Information

Company Name: Shanghai SIMCom Wireless Solutions Co.,Ltd.
Address: Building A,SIM Technology Building,No.633,Jinzhong Road,Changning District
City: Shanghai
Postal Code: 200335
Country: China
Contact: Wufeiping
Telephone: 86-021-32523300
Fax: 86-021-32523020

2.2. Manufacturer Information

Company Name: Shenyang Simcom Technology Ltd.
Address: No.37, Shenbei Rd, Shenbei New Aear
City: Shenyang
Postal Code: 22188
Country: China
Contact: \
Telephone: 86-024-88922222
Fax: 86-024-88922225

3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Description	GSM/GPRS+BT Wireless Data Module
Model	SIM800
GSM Frequency Band	GSM850/900/1800/1900
Power Class	GSM850/900/1800/1900: 4/4/1/1
GPRS Class	Class 12
EGPRS Class	Class 12
Extreme Temperature	-10/+55°C
Normal Voltage	3.8V
Extreme Low Voltage	3.6V
Extreme High Voltage	4.2V

Note: Photographs of EUT are shown in ANNEX A of this test report.

3.2. Internal Identification of EUT

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
N01	862951020007077	V2.01	SIM800 R13.08	2013-12-27
N02	862951020006798	V2.01	SIM800 R13.08	2014-01-20

*EUT ID: is used to identify the test sample in the lab internally.

3.3. Internal Identification of AE

AE ID*	Description	SN
AE1	RF cable	---
AE2	Dummy Battery	---

*AE ID: is used to identify the test sample in the lab internally.

4. Reference Documents

4.1. Documents supplied by applicant

PICS/PIXIT, referring to Annex B for detailed information, is supplied by the client or manufacturer, which is the basis of testing.

4.2. Reference Documents for testing

The following documents listed in this section are referred for testing.

Reference	Title	Version
GCF-CC	GLOBAL CERTIFICATION FORUM Certification Criteria	V3.52.1
3GPP TS 51.010-1	3rd Generation Partnership Project; Technical Specification Group GSM/EDGE Radio Access Network Digital cellular telecommunications system (Phase 2+); Mobile Station (MS) conformance specification; Part 1: Conformance specification	V11.1.0
3GPP TS 51.010-2	3rd Generation Partnership Project; Technical Specification Group GSM/EDGE Radio Access Network; Digital cellular telecommunications system; Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	V11.1.0
3GPP TS 51.010-4	3rd Generation Partnership Project; Technical Specification Group Core Network and Terminals; Mobile Station (MS) conformance specification; Part 4: Subscriber Identity Module (SIM) application toolkit conformance test specification (Release 4)	V4.26.0

5. Test Results

5.1. Summary of Test Results

	GSM900	GSM1800
Pass	24	24
Fail	0	0
Inc	0	0
Declare	0	0
total	24	24

Note: please refer to Annex C in this test report for the detailed test results.

The following terms are used in the above table.

Pass	Amount of testcases with pass results in the given frequency band.
Fail	Amount of testcases with fail results in the given frequency band.
Inc	Amount of testcases with ambiguous results in the given frequency band.
Declare	Amount of testcases with conformity declaration from the client in the given frequency band.

5.2. Statements

The GSM/GPRS+BT Wireless Data Module, SIM800, manufactured by Shanghai SIMCom Wireless Solutions Co,Ltd is a variant model of SIM800H for conformance test.

The testcases in this partial report requested by the applicant which are listed in the annex C have been successfully performed in the mobile phone specified in section 3 of this test report according to the procedure and test methods defined in type certification requirement listed in section 4 of this test report.

6. Test Equipments Utilized

6.1. RS TS8950G

TP5 RS TS8950G-GSM/GPRS/AMR/EGPRS/DARP RF test system					
Hardware					
No.	Name	Type	SN	Manufacturer	Cal.Due Date
1	Power Sensor	NRV-Z1	100203	Rohde&Schwarz	2014/2/21
2	Power Sensor	NRV-Z1	100490	Rohde&Schwarz	2014/2/21
3	Spectrum Analyzer	FSU26	200684	Rohde&Schwarz	2014/2/21
4	Signal Generator	SMP02	100361	Rohde&Schwarz	2014/2/17
5	Vector Signal Generator	SMU200A	103179	Rohde&Schwarz	2014/2/17
6	Vector Signal Generator	SMU200A	103178	Rohde&Schwarz	2014/2/17
7	Protocol Slave	CRTU-S	100382	Rohde&Schwarz	2014/3/2
8	Universal Radio Communication Tester	CRTU-RU	100742	Rohde&Schwarz	2014/3/2
9	Baseband Fading Simulator	ABFS	100273	Rohde&Schwarz	2014/2/21
10	Power Supply	NGSM32/10	100287	Rohde&Schwarz	2014/2/21
11	Advanced Switching Control Unit	ASCU850	100084	Rohde&Schwarz	n/a
12	Advanced Switching Control Unit	ASCU900	100090	Rohde&Schwarz	n/a
13	Advanced Switching Control Unit	ASCU1800	100089	Rohde&Schwarz	n/a
14	Advanced Switching Control Unit	ASCU1900	100091	Rohde&Schwarz	n/a
15	CS-HUB Ethernet Hub/ Optical Output	CS-HUB	100053	Rohde&Schwarz	n/a
16	Switching and Signal Conditioning Unit	SSCU-GW04	100047	Rohde&Schwarz	n/a
17	System control computer	PSL3	100127	Rohde&Schwarz	n/a
18	rubidium frequency standard	8040B	044701264 5	Symmetricon	2014/2/20
19	RF distribution	6502B	044201255 7	Symmetricon	n/a
Software					
Name		Version			

RS-PASS APPLICATION	V5.01, V5.02, V5.03-Patch03, V5.04, V5.05, V5.05-patch04, V5.12, V5.13, V5.14-patch01, V5.15-patch02, V5.16, V5.17; V5.20; V5.20-Patch01 V5.21; V5.22; V5.23; V5.24; V5.25
RS-PASS COMMON	V10.51.10.00
CRTU-G/S OPSW	MOPSI OP-SW
CRTU-G RF-LIB	10.51V5.01-Patch01,V5.02-Patch02,V5.03-Patch01,V5.04,V5.05-Patch02;V5.12-Patch02;V5.13,V5.14,V5.15,V5.16,V5.17;V5.20-Patch01;V5.21;V5.22;V5.23;V5.24V5.25V5.XX-CRTUG-Patch01;V 5.0X & 5.12 Patch;V 5.0X & 5.1X Patch;RFLIB_Msg_for_R7_Mobiles Patch01
FSU K5	V4.30

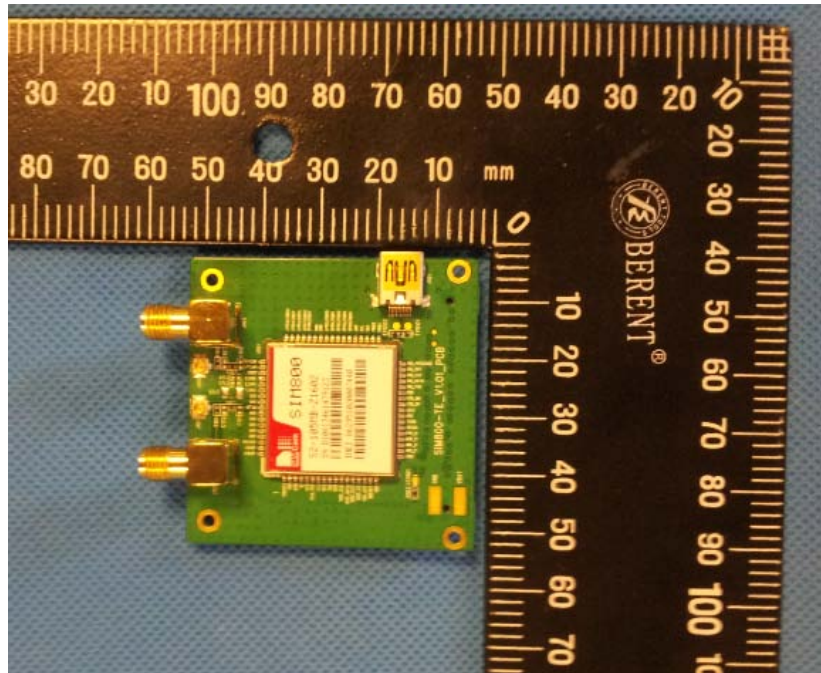
6.2. AT4 Mint

TP56-AT4 Mint-GSM/GPRS/EDGE					
Hardware					
No.	Name	Type	SN	Manufacturer	Cal.Due Date
1	signal generator	E8257D	MY46520370	Agilent	2014/3/28
2	signal generator	E4438C	MY45094703	Agilent	2014/3/28
3	signal Unit	E1121	E1121000067	AT4	2014/3/28
4	spectrum Analyzer	E4445A	MY46181494	Agilent	2014/3/28
5	power supply	66311B	MY43005258	Agilent	2014/4/27
6	Precision 30 dB Attenuator	11708A	60575	Agilent	n/a
7	power sensor	8485D	MY41091161	Agilent	2014/3/28
8	power sensor	8482A	MY41095060	Agilent	2014/3/28
9	Rubidium clock	910R	SM938778	Fluck	n/a
10	switching Unit	E1220	E1220000037	AT4	n/a
11	ARP	E1410	E1410000027	AT4	n/a
12	RF Combiner Unit	E1241	E1241000008	AT4	n/a
13	Hub	SR216	n/a	Linksys	n/a
Software					
Name		Version			
test manager		2.0.73.85	v3.1.0.0		
test technology		2.0.73.85	v3.1.2.2		
calibration manager		2.4.1.0			

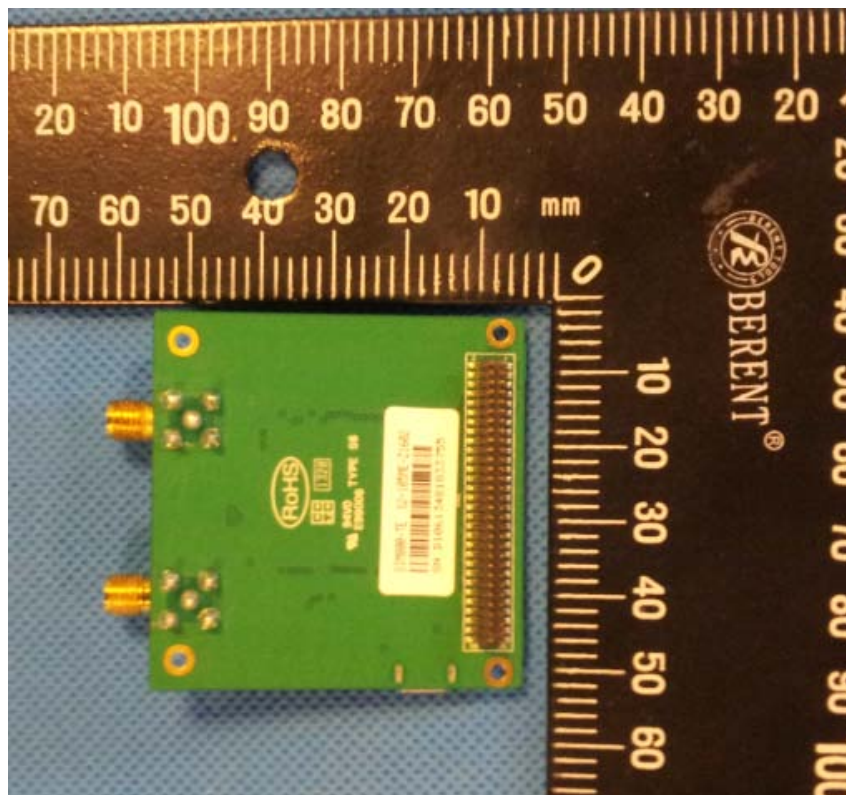
7. Measurement Uncertainty

Measurement uncertainty for all the testing in this report are within the limit specified in 3GPP TS 51.010-1 Annex 5 for GSM and 3GPP TS 34.121-1 Annex F for WCDMA. The detailed measurement uncertainty is defined in TMC documents.

ANNEX A: EUT photograph



Pic A-1 Mobile Front View



Pic A-2 Mobile Rear View

ANNEX B: PICS/PIXIT information

GSM

Designation	Description	Supported Values
A.1/1	Standard GSM Band (P-GSM)	NO
A.1/2	Extended GSM Band (E-GSM), (including standard Band)	YES
A.1/3	R-GSM Band (including standard and E-GSM Band)	NO
A.1/4	DCS 1800 band	YES
A.1/5	Multiple-band, not simultaneously	NO
A.1/6	Multiple-band, simultaneously	YES
A.1/7	Small Mobile Station	YES
A.1/8	GSM Power Class 2	NO
A.1/9	GSM Power Class 3	NO
A.1/10	GSM Power Class 4	YES
A.1/11	GSM Power Class 5	NO
A.1/12	DCS Power Class 1	YES
A.1/13	DCS Power Class 2	NO
A.1/14	DCS Power Class 3	NO
A.1/15	HSCSD Multislot MS	NO
A.1/16	GSM 450 band	NO
A.1/17	GSM 480 band	NO
A.1/18	PCS 1900 band	YES
A.1/19	PCS Power Class 1	YES
A.1/20	PCS Power Class 2	NO
A.1/21	PCS Power Class 3	NO
A.1/22	Multislot Class1	NO
A.1/23	Multislot Class2	NO
A.1/24	Multislot Class3	NO
A.1/25	Multislot Class4	NO
A.1/26	Multislot Class5	NO
A.1/27	Multislot Class6	NO
A.1/28	Multislot Class7	NO
A.1/29	Multislot Class8	NO
A.1/30	Multislot Class9	NO
A.1/31	Multislot Class10	NO
A.1/32	Multislot Class11	NO
A.1/33	Multislot Class12	NO
A.1/34	Multislot Class13	NO
A.1/35	Multislot Class14	NO
A.1/36	Multislot Class15	NO

Designation	Description	Supported Values
A. 1/37	Multislot Class16	NO
A. 1/38	Multislot Class17	NO
A. 1/39	Multislot Class18	NO
A. 1/40	Multislot Class19	NO
A. 1/41	Multislot Class20	NO
A. 1/42	Multislot Class21	NO
A. 1/43	Multislot Class22	NO
A. 1/44	Multislot Class23	NO
A. 1/45	Multislot Class24	NO
A. 1/46	Multislot Class25	NO
A. 1/47	Multislot Class26	NO
A. 1/48	Multislot Class27	NO
A. 1/49	Multislot Class28	NO
A. 1/50	Multislot Class29	NO
A. 1/51	GPRS Multislot operation	YES
A. 1/52	EGPRS capable of 8PSK in Uplink, of all Multislot Classes	NO
A. 1/53	GSM 700 band	NO
A. 1/54	GSM 750 band	NO
A. 1/55	GSM 850 band	YES
A. 1/56	Support of UTRAN Radio Access Technology	NO
A. 1/57	Support of GPRS Multislot class on the uplink	YES
A. 1/58	Support of COMPACT	NO
A. 1/59	DTM/GPRS Multislot Class 1	NO
A. 1/60	DTM/GPRS Multislot Class 5	NO
A. 1/61	DTM/GPRS Multislot Class 9	NO
A. 1/62	Support of singleslot allocation in DTM/GPRS	NO
A. 1/63	Support of UTRAN FDD	NO
A. 1/64	Support of UTRAN TDD	NO
A. 1/65	Support of Conventional GPS	NO
A. 1/66	EGPRS Multislot operation	NO
A. 1/67	GPRS Multislot Class1	NO
A. 1/68	GPRS Multislot Class2	NO
A. 1/69	GPRS Multislot Class3	NO
A. 1/70	GPRS Multislot Class4	NO
A. 1/71	GPRS Multislot Class5	NO
A. 1/72	GPRS Multislot Class6	NO
A. 1/73	GPRS Multislot Class7	NO
A. 1/74	GPRS Multislot Class8	NO
A. 1/75	GPRS Multislot Class9	NO
A. 1/76	GPRS Multislot Class10	NO
A. 1/77	GPRS Multislot Class11	NO

Designation	Description	Supported Values
A. 1/78	GPRS Multislot Class12	YES
A. 1/79	GPRS Multislot Class13	NO
A. 1/80	GPRS Multislot Class14	NO
A. 1/81	GPRS Multislot Class15	NO
A. 1/82	GPRS Multislot Class16	NO
A. 1/83	GPRS Multislot Class17	NO
A. 1/84	GPRS Multislot Class18	NO
A. 1/85	GPRS Multislot Class19	NO
A. 1/86	GPRS Multislot Class20	NO
A. 1/87	GPRS Multislot Class21	NO
A. 1/88	GPRS Multislot Class22	NO
A. 1/89	GPRS Multislot Class23	NO
A. 1/90	GPRS Multislot Class24	NO
A. 1/91	GPRS Multislot Class25	NO
A. 1/92	GPRS Multislot Class26	NO
A. 1/93	GPRS Multislot Class27	NO
A. 1/94	GPRS Multislot Class28	NO
A. 1/95	GPRS Multislot Class29	NO
A. 1/96	EGPRS Multislot Class1	NO
A. 1/97	EGPRS Multislot Class2	NO
A. 1/98	EGPRS Multislot Class3	NO
A. 1/99	EGPRS Multislot Class4	NO
A. 1/100	EGPRS Multislot Class5	NO
A. 1/101	EGPRS Multislot Class6	NO
A. 1/102	EGPRS Multislot Class7	NO
A. 1/103	EGPRS Multislot Class8	NO
A. 1/104	EGPRS Multislot Class9	NO
A. 1/105	EGPRS Multislot Class10	NO
A. 1/106	EGPRS Multislot Class11	NO
A. 1/107	EGPRS Multislot Class12	NO
A. 1/108	EGPRS Multislot Class13	NO
A. 1/109	EGPRS Multislot Class14	NO
A. 1/110	EGPRS Multislot Class15	NO
A. 1/111	EGPRS Multislot Class16	NO
A. 1/112	EGPRS Multislot Class17	NO
A. 1/113	EGPRS Multislot Class18	NO
A. 1/114	EGPRS Multislot Class19	NO
A. 1/115	EGPRS Multislot Class20	NO
A. 1/116	EGPRS Multislot Class21	NO
A. 1/117	EGPRS Multislot Class22	NO
A. 1/118	EGPRS Multislot Class23	NO
A. 1/119	EGPRS Multislot Class24	NO

Designation	Description	Supported Values
A.1/120	EGPRS Multislot Class25	NO
A.1/121	EGPRS Multislot Class26	NO
A.1/122	EGPRS Multislot Class27	NO
A.1/123	EGPRS Multislot Class28	NO
A.1/124	EGPRS Multislot Class29	NO
A.1/125	GSM 850 Power Class 2	NO
A.1/126	GSM 850 Power Class 3	NO
A.1/127	GSM 850 Power Class 4	YES
A.1/128	GSM 850 Power Class 5	NO
A.1/129	8-PSK GSM Power Class E1	NO
A.1/130	8-PSK GSM Power Class E2	YES
A.1/131	8-PSK GSM Power Class E3	NO
A.1/132	8-PSK DCS Power Class E1	NO
A.1/133	8-PSK DCS Power Class E2	YES
A.1/134	8-PSK DCS Power Class E3	NO
A.1/135	8-PSK PCS Power Class E1	NO
A.1/136	8-PSK PCS Power Class E2	YES
A.1/137	8-PSK PCS Power Class E3	NO
A.1/138	8-PSK GSM 850 Power Class E1	NO
A.1/139	8-PSK GSM 850 Power Class E2	YES
A.1/140	8-PSK GSM 850 Power Class E3	NO
A.1/141	GSM850 and GSM1800 Band Interworking	YES
A.1/142	GSM900 and GSM1900 Band Interworking	YES
A.1/143	GSM850 and GSM900 Band Interworking	YES
A.1/144	DTM/EGPRS Multislot Class 1	NO
A.1/145	DTM/EGPRS Multislot Class 5	NO
A.1/146	DTM/EGPRS Multislot Class 9	NO
A.1/147	Support of singleslot allocation in DTM/EGPRS	NO
A.1/148	DTM/GPRS Multislot Class 11	NO
A.1/149	GPRS Multislot Class30	NO
A.1/150	GPRS Multislot Class31	NO
A.1/151	GPRS Multislot Class32	NO
A.1/152	GPRS Multislot Class33	NO
A.1/153	GPRS Multislot Class34	NO
A.1/154	GPRS Multislot Class35	NO
A.1/155	GPRS Multislot Class36	NO
A.1/156	GPRS Multislot Class37	NO
A.1/157	GPRS Multislot Class38	NO
A.1/158	GPRS Multislot Class39	NO
A.1/159	GPRS Multislot Class40	NO
A.1/160	GPRS Multislot Class41	NO
A.1/161	GPRS Multislot Class42	NO

Designation	Description	Supported Values
A.1/162	GPRS Multislot Class43	NO
A.1/163	GPRS Multislot Class44	NO
A.1/164	GPRS Multislot Class45	NO
A.1/165	EGPRS Multislot Class30	NO
A.1/166	EGPRS Multislot Class31	NO
A.1/167	EGPRS Multislot Class32	NO
A.1/168	EGPRS Multislot Class33	NO
A.1/169	EGPRS Multislot Class34	NO
A.1/170	EGPRS Multislot Class35	NO
A.1/171	EGPRS Multislot Class36	NO
A.1/172	EGPRS Multislot Class37	NO
A.1/173	EGPRS Multislot Class38	NO
A.1/174	EGPRS Multislot Class39	NO
A.1/175	EGPRS Multislot Class40	NO
A.1/176	EGPRS Multislot Class41	NO
A.1/177	EGPRS Multislot Class42	NO
A.1/178	EGPRS Multislot Class43	NO
A.1/179	EGPRS Multislot Class44	NO
A.1/180	EGPRS Multislot Class45	NO
A.1/182	GSM 710 band	NO
A.1/183	T GSM 810 band	NO
A.1/184	DTM/EGPRS Multislot Class 11	NO
A.1/185	T-GSM 380 band	NO
A.1/186	T-GSM 410 band	NO
A.1/187	T-GSM 900 band	NO
A.1/188	EGPRS Multislot Operation in Uplink Direction	NO
A.1/189	GMSK_MULTISLOT_POWER_PROFILE 0	YES
A.1/190	GMSK_MULTISLOT_POWER_PROFILE 1	NO
A.1/191	GMSK_MULTISLOT_POWER_PROFILE 2	NO
A.1/192	GMSK_MULTISLOT_POWER_PROFILE 3	NO
A.1/193	8-PSK_MULTISLOT_POWER_PROFILE 0	YES
A.1/194	8-PSK_MULTISLOT_POWER_PROFILE 1	NO
A.1/195	8-PSK_MULTISLOT_POWER_PROFILE 2	NO
A.1/196	8-PSK_MULTISLOT_POWER_PROFILE 3	NO
A.1/197	Multislot Capability Reduction for Downlink Dual Carrier of 0 or 1 Timeslots	NO
A.1/198	Multislot Capability Reduction for Downlink Dual Carrier of 2 or more Timeslots	NO
A.1/199	Support of 16 QAM in the Uplink	NO
A.1/200	Revision Level GSM Phase 1	NO
A.1/201	Revision Level GSM Phase 2	NO
A.1/202	Revision Level MS supporting R99 or later	YES

Designation	Description	Supported Values
A.1/203	8-PSK struct	NO
A.1/204	8-PSK RF Power Capability 1	NO
A.1/205	8-PSK RF Power Capability 2	NO
A.1/206	GSM 400 Power Class2	NO
A.1/207	GSM 400 Power Class3	NO
A.1/208	GSM 400 Power Class4	NO
A.1/209	GSM 400 Power Class5	NO
A.1/210	UMTS 3.84 Mcps TDD Radio Access Technology Capability	NO
A.1/211	CDMA 2000 Radio Access Technology Capability	NO
A.1/212	Single Band Support	NO
A.1/213	GSM 750 Power Class2	NO
A.1/214	GSM 750 Power Class3	NO
A.1/215	GSM 750 Power Class4	NO
A.1/216	GSM 750 Power Class5	NO
A.1/217	UMTS 1.28 Mcps TDD Radio Access Technology Capability	NO
A.1/218	GERAN Iu Mode Capabilities	NO
A.1/219	TSPC_FLO_Iu_Capability	NO
A.1/220	GSM 710 Power Class2	NO
A.1/221	GSM 710 Power Class3	NO
A.1/222	GSM 710 Power Class4	NO
A.1/223	GSM 710 Power Class5	NO
A.1/224	E-UTRA FDD support	NO
A.1/225	E-UTRA TDD support	NO
A.1/226	ECSD Multi Slot class	NO
A.1/227	T-GSM 400 Class2	NO
A.1/228	T-GSM 400 Class3	NO
A.1/229	T-GSM 400 Class4	NO
A.1/230	T-GSM 400 Class5	NO
A.1/231	T-GSM 810 Class2	NO
A.1/232	T-GSM 810 Class3	NO
A.1/233	T-GSM 810 Class4	NO
A.1/234	T-GSM 810 Class5	NO
A.1/235	DTM GPRS Multislot Class 31	NO
A.1/236	DTM GPRS Multislot Class 32	NO
A.1/237	DTM GPRS Multislot Class 33	NO
A.1/238	DTM GPRS Multislot Class 34	NO
A.1/239	DTM GPRS Multislot Class 35	NO
A.1/240	DTM GPRS Multislot Class 36	NO
A.1/241	DTM GPRS Multislot Class 37	NO
A.1/242	DTM GPRS Multislot Class 38	NO

Designation	Description	Supported Values
A.1/243	DTM GPRS Multislot Class 39	NO
A.1/244	DTM GPRS Multislot Class 40	NO
A.1/245	DTM GPRS Multislot Class 41	NO
A.1/246	DTM GPRS Multislot Class 42	NO
A.1/247	DTM GPRS Multislot Class 43	NO
A.1/248	DTM GPRS Multislot Class 44	NO
A.1/249	DTM EGPRS Multislot Class 31	NO
A.1/250	DTM EGPRS Multislot Class 32	NO
A.1/251	DTM EGPRS Multislot Class 33	NO
A.1/252	DTM EGPRS Multislot Class 34	NO
A.1/253	DTM EGPRS Multislot Class 35	NO
A.1/254	DTM EGPRS Multislot Class 36	NO
A.1/255	DTM EGPRS Multislot Class 37	NO
A.1/256	DTM EGPRS Multislot Class 38	NO
A.1/257	DTM GPRS Multislot Class 6	NO
A.1/258	DTM GPRS Multislot Class 10	NO
A.1/259	DTM EGPRS Multislot Class10	NO
A.1/260	Support of 32 QAM in the Uplink	NO
A.1/261	DTM EGPRS Multislot Class 41	NO
A.1/262	DTM EGPRS Multislot Class 42	NO
A.1/263	DTM EGPRS Multislot Class 43	NO
A.1/264	DTM EGPRS Multislot Class 44	NO
A.1/265	Void	
A.1/266	Void	
A.1/267	Void	
A.1/268	Void	
A.1/269	Void	
A.1/270	Void	
A.1/271	Void	
A.1/272	Void	
A.1/273	Void	
A.1/274	Void	
A.1/275	Void	
A.1/276	EFTA Alternative multislot Class 1	no
A.1/277	EFTA Alternative multislot Class 2	no
A.1/278	EFTA Alternative multislot Class 3	no
A.1b/1	Release of GPRS supported	R4
A.1b/2	Release of AMR supported	R5
A.1b/3	Release of EGPRS supported	R6
A.1b/4	Release of RRLP supported.	NO
A.1b/5	Release of Higher Layer supported.	R99
A.1b/6	Release of Acoustic implementation supported.	R4

Designation	Description	Supported Values
A.2/1	Display of Called Number.	YES
A.2/2	Indication of Call Progress Signals.	YES
A.2/3	Country / PLMN Indication.	YES
A.2/4	Country / PLMN Selection.	YES
A.2/5	Keypad.	YES
A.2/6	IMEI.	YES
A.2/7	Short Message Overflow Indication.	YES
A.2/8	DTE /DCE Interface.	YES
A.2/9	ISDN (S) Interface.	NO
A.2/10	International Access Function.	YES
A.2/11	Service Indicator.	YES
A.2/12	Autocalling restriction capabilities.	YES
A.2/13	Dual Tone Multi Frequency function.	YES
A.2/14	Subscription Identity Management.	YES
A.2/15	On / Off switch.	YES
A.2/16	Subaddress.	NO
A.2/17	Support of Encryption A5/1.	YES
A.2/19	Short Message Service Cell Broadcast DRX.	YES
A.2/20	Abbreviated Dialling.	YES
A.2/21	Fixed Dialling Number	YES
A.2/22	Barring of Outgoing Calls.	YES
A.2/23	DTMF Control Digits Separator.	YES
A.2/24	Selection of Directory No in Short Messages.	YES
A.2/25	Last Numbers Dialed.	YES
A.2/26	At least one autocalling feature.	YES
A.2/27	Alphanumeric display.	YES
A.2/28	Other means of display.	YES
A.2/29	Speech indicator.	NO
A.2/30	Support of the extended Short message cell broadcast channel	YES
A.2/31	Support of Additional Call Set-up MMI Procedures	YES
A.2/33	Ciphering Indicator	YES
A.2/34	Network's indication of alerting in the MS \$(NI Alert in MS)\$	NO
A.2/35	ME-SIM lock	YES
A.2/36	Service Dialling Numbers	YES
A.2/37	Extended timing advance	NO
A.2/38	Support of SoLSA	NO
A.2/39	Audible Indication of Service Tones	NO
A.2/40	Autocalling_Cause 27 Implemented in Cat 3	YES
A.2/41	Support of GPRS	YES
A.2/42	Support of EGPRS	NO

Designation	Description	Supported Values
A.2/43	Support of GPRS Encryption	YES
A.2/44	Control of Supplementary Services	YES
A.2/45	Short message	YES
A.2/46	Emergency calls capabilities	YES
A.2/47	GPRS operation mode class A	NO
A.2/48	GPRS operation mode class B	YES
A.2/49	GPRS operation mode class C	NO
A.2/50	MS supporting SMS over GPRS	YES
A.2/53	Support of ECSD	NO
A.2/54	GPRS test mode A	YES
A.2/55	GPRS test mode B	YES
A.2/56	EGPRS test mode	NO
A.2/57	Support of MS-Assisted E-OTD	NO
A.2/58	Non-zero value of Non_DRX_Timer	YES
A.2/59	Support of MS-Based A-GPS L1 C/A	NO
A.2/60	Support of MS-Assisted A-GPS L1 C/A	NO
A.2/61	Void	
A.2/62	Support of DTM/GPRS	NO
A.2/63	Support MS Assisted EOTD Performance for GMSK	NO
A.2/64	Support MS Assisted EOTD Performance for 8PSK	NO
A.2/65	Support of EGPRS Packet Access enhancement	NO
A.2/67	Support of MT SMS over GPRS	YES
A.2/69	Support of DTM/EGPRS	NO
A.2/70	Support of Extended dynamic allocation	YES
A.2/71	Support of GAN	NO
A.2/72	Support of GERAN FEATURE PACKAGE 1	NO
A.2/73	Support of Encryption A5/3	YES
A.2/74	Support of Fine Time Assistance	YES
A.2/75	Support of Encryption GEA2	YES
A.2/76	Support of Encryption GEA3	YES
A.2/77	Use of R99 Emergency numbers	YES
A.2/78	Support of GERAN FEATURE PACKAGE 2	NO
A.2/79	Support of GAN to UTRAN CS Handover	NO
A.2/80	Support of UTRAN to GAN CS Handover	NO
A.2/81	Support of Enhanced DTM CS	NO
A.2/82	Support of PS Handover	NO
A.2/83	Support of simultaneous CS and PS services in GAN	NO
A.2/84	Support of Latency reductions	NO
A.2/85	Support of Downlink Dual Carrier	NO
A.2/86	Support of UEA2 and UIA2	NO
A.2/87	Support of Encryption A5/4	NO

Designation	Description	Supported Values
A.2/88	Support of Encryption GEA4	NO
A.2/89	Support of EGPRS2A	NO
A.2/90	Support of EGPRS2B	NO
A.2/91	eCall only equipment	NO
A.2/92	eCall Support on MS	NO
A.2/93	Support of DTM during Downlink Dual Carrier	NO
A.2/94	Support of MS-Based A-GANSS	NO
A.2/95	Support of MS-Assisted A-GANSS	NO
A.2/96	Support for GLONASS	NO
A.2/97	Support for Modernized GPS	NO
A.2/98	Support for Galileo	NO
A.2/99	Support of CS domain in GAN Iu mode	NO
A.2/100	Support of PS domain in GAN Iu mode	NO
A.2/101	Support of GAN Iu mode	NO
A.2/102	Support of MS-Based E-OTD	NO
A.2/103	Additional Positioning Capabilities	NO
A.2/104	Ciphering Mode Setting Capability	NO
A.2/105	Support of PS Handover to GAN	NO
A.2/106	Support of Multiple TBFs	NO
A.2/107	Void	
A.2/108	Support of Extended RLC/MAC control message segmentation	NO
A.2/109	Support of DTM Handover	NO
A.2/110	Support of Flexible Timeslot Assignment	NO
A.2/111	Support of RLC Non-persistent Mode	NO
A.2/112	Support of E-UTRA CCN	NO
A.2/113	Support of PS Handover to E-UTRA	NO
A.2/114	Support of EGPRS2A Uplink	NO
A.2/115	Support of EGPRS2A Downlink	NO
A.2/116	Support of EGPRS2B Uplink	NO
A.2/117	Support of EGPRS2B Downlink	NO
A.2/118	Support of Indication of Upper Layer PDU Start Capability for RLC UM	NO
A.2/119	Support of Enhanced Multiplexing for Single TBF	NO
A.2/120	Support of Multiple TTI configurations	NO
A.2/121	Support of VAMOS Type 1	NO
A.2/122	Support of VAMOS Type 2	NO
A.2/123	Support of EFTA	NO
A.2/124	Support of Fast Downlink Frequency Switching Capability	NO
A.2/125	eCall Only subscription support	NO
A.2/126	Support of TIGHTER for speech and signalling	NO

Designation	Description	Supported Values
	channels	
A.2/127	Support of TIGHTER for GPRS and EGPRS	NO
A.2/128	Support of TIGHTER for EGPRS2	NO
A.2/129	Support of DTR	no
A.2/130	Support of FANR capability	no
A.2/131	Support of Selective Ciphering of Downlink SACCH	no
A.2/132	Support of Priority based Reselection	no
A.2/133	Support of UTRA CSG Cells Reporting	no
A.2/134	Support of IPA capability	no
A.2/135	Support of Encryption GEA1	no
A.2/136	Support of Low Access Priority and Extended Access Barring	no
A.2/137	Support of MinimumPeriodicSearchTimer	no
A.2/138	Support of NMO_I_Behaviour	no
A.2/139	Support of AttachWithIMSI	no
A.3/1	Telephony.	YES
A.3/2	Emergency Call.	YES
A.3/3	Short Message MT/PP.	YES
A.3/4	Short Message MO/PP.	YES
A.3/5	SMS Cell Broadcast.	YES
A.3/6	Teleservice Alternate Speech and G3 fax.	NO
A.3/7	Teleservice Automatic G3 fax.	NO
A.3/8	Voice Group Call Service (VGCS)	NO
A.3/9	Voice Broadcast Service (VBS)	NO
A.3/10	SMS description	YES
A.4/1	Data circuit duplex async. 300 bit/s.	NO
A.4/2	Data circuit duplex async. 1 200 bit/s.	NO
A.4/3	Data circuit duplex async. 1 200/75 bit/s.	NO
A.4/4	Data circuit duplex async. 2 400 bit/s.	NO
A.4/5	Data circuit duplex async. 4 800 bit/s.	NO
A.4/6	Data circuit duplex async. 9 600 bit/s.	NO
A.4/7	Data circuit duplex sync. 1 200 bit/s.	NO
A.4/8	Data circuit duplex sync. 2 400 bit/s.	NO
A.4/9	Data circuit duplex sync. 4 800 bit/s.	NO
A.4/10	Data circuit duplex sync. 9 600 bit/s.	NO
A.4/11	PAD Access 300 bit/s.	NO
A.4/12	PAD Access 1 200 bit/s.	NO
A.4/13	PAD Access 1 200/75 bits/s.	NO
A.4/14	PAD Access 2 400 bit/s.	NO
A.4/15	PAD Access 4 800 bit/s.	NO
A.4/16	PAD Access 9 600 bit/s.	NO

Designation	Description	Supported Values
A. 4/17	Packet Access 2 400 bit/s.	NO
A. 4/18	Packet Access 4 800 bit/s.	NO
A. 4/19	Packet Access 9 600 bit/s.	NO
A. 4/20	Alternate Speech/Data.	NO
A. 4/21	Speech Followed by Data.	NO
A. 4/22	GPRS	YES
A. 4/23	Bluetooth data rate	NO
A. 4/24	WLAN data rate	NO
A. 5/1	Calling Line Identification Presentation.	YES
A. 5/2	Calling Line Identification Restriction.	YES
A. 5/3	Connected Line Identification Presentation.	YES
A. 5/4	Connected Line Identification Restriction.	YES
A. 5/5	Call Forwarding Unconditional.	YES
A. 5/6	Call Forwarding on Mobile Subscriber Busy.	YES
A. 5/7	Call Forwarding on No Reply.	YES
A. 5/8	Call Forwarding on Mobile Subscriber Not Reachable.	YES
A. 5/9	Call Waiting.	YES
A. 5/10	Call Hold.	YES
A. 5/11	Multi Party Service.	YES
A. 5/12	Closed User Group.	NO
A. 5/13	Advice of Charge (Information).	YES
A. 5/14	Advice of Charge (Charging).	YES
A. 5/15	Barring of All Outgoing Calls.	YES
A. 5/16	Barring of Outgoing International Calls.	YES
A. 5/17	Barring of Outgoing International Calls except those directed to the Home PLMN Country.	YES
A. 5/18	Barring of All Incoming Calls.	YES
A. 5/19	Barring of Incoming Calls when Roaming Outside the Home PLMN Country.	YES
A. 5/20	Unstructured SS Data.	YES
A. 5/21	enhanced Multi-Level Precedence and Pre-emption service (eMLPP)	NO
A. 5/22	Call Deflection	YES
A. 5/23	User-to-User signalling	NO
A. 5/24	Explicit Call Transfer	NO
A. 5/25	Implicit UUS1	NO
A. 5/26	Sending of implicit UUS1 in the ALERTING message	NO
A. 5/27	Sending of implicit UUS1 in the CONNECT message	NO
A. 5/28	Follow Me	NO

Designation	Description	Supported Values
A.5/29	User-to-Dispatcher Information	NO
A.5/30	Compressed User-to-Dispatcher	NO
A.5/31	Completion of Calls to Busy SS	YES
A.5/32	Completion of Calls to Busy Requests	YES
A.5/33	Support of Private Numbering Plan SS	NO
A.5/34	Support of Private Numbering Plan , Numbering Plans	NO
A.5/35	Name Identification SS	YES
A.5/37	Support of MO-LR request for a position estimate	NO
A.5/38	Support of MO-LR request for transfer to 3rd party	NO
A.5/39	Support of MT-LR LCS Privacy and Notification	NO
A.5/40	Support of MO-LR request for assistance data	NO
A.6/1	Bearer Service 21(20) .. 26, unrestricted digital information transfer capability.	NO
A.6/2	Bearer Service 21(20) .. 26, 3.1 kHz audio ex-PLMN information transfer capability.	NO
A.6/3	Bearer Service 31(30) .. 34, unrestricted digital information transfer capability; Non-X.32 Cases (BS 31 .. BS 34).	NO
A.6/4	Bearer Service 31(30) .. 34, unrestricted digital information transfer capability; X.32 Cases.	NO
A.6/5	Bearer Service 31(30) .. 34, 3.1 kHz audio ex-PLMN information transfer capability; Non-X.32 Cases.	NO
A.6/6	Bearer Service 31(30) .. 34, 3.1 kHz audio ex-PLMN information transfer capability; X.32 Cases.	NO
A.6/7	Bearer Service 41(40)..46, PAD Access Asynchronous.	NO
A.6/8	Bearer Service 51(50)..53, Data Packet Duplex Synchronous.	NO
A.6/9	Bearer Service 61, Alternate Speech/Data, "Speech".	NO
A.6/10	Bearer Service 61, Alternate Speech/Data, .3.1 kHz audio ex-PLMN information transfer capability; Asynchronous.	NO
A.6/11	Bearer Service 61, Alternate Speech/Data, .3.1 kHz audio ex-PLMN information transfer capability; Synchronous.	NO
A.6/12	Bearer Service 81, Speech followed by Data, "Speech".	NO

Designation	Description	Supported Values
A.6/13	Bearer Service 81, Speech followed by Data, .3.1 kHz audio ex-PLMN information transfer capability; Asynchronous.	NO
A.6/14	Bearer Service 81, Speech followed by Data, .3.1 kHz audio ex-PLMN information transfer capability; Synchronous.	NO
A.6/15	Teleservice 11..12, Speech.	YES
A.6/16	Teleservice 61, Alternate Speech and Facsimile group 3; "Speech".	NO
A.6/17	Teleservice 61, Alternate Speech and Facsimile group 3; Facsimile group 3.	NO
A.6/18	Teleservice 62, Automatic Facsimile group 3	NO
A.7/1	Signalling Access Protocol (SAP).	I.440
A.7/2	Connection Element (CE).	T bothT NT bothNT
A.7/3	User Info Layer 2 Protocol (UIL2P).	NAV
A.7/4	Number of Data Bits(NDB).	8 bits
A.7/5	Parity Information (NPB).	none
A.7/6	Number of Stop Bits (NSB).	1 bit
A.7/7	Radio Channel Requirement (RCR).	FR dualFR dualHR
A.7/8	Intermediate Rate (IR).	16 kbps 8 kbps
A.7/9	User Rate (UR).	4.8 9.6 2.4
A.7/10	Fixed Network User Rate (FNUR)	9.6 14.4
A.7/10a	all allowed combinations according to GSM 07.01 B.1.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description).	NO
A.7/11	Wanted Air Interface User Rate (WAIUR)	14.4 9.6
A.7/12	User Initiated Modification Indication (UIMI)	not req.
A.7/13	Maximum number of Traffic Channels (MaxNumTCH)	1
A.8/1	Signalling Access Protocol (SAP).	I.440
A.8/2	Connection Element (CE).	bothNT T bothT NT
A.8/3	User Info Layer 2 Protocol (UIL2P).	NAV
A.8/4	Number of Data Bits(NDB).	8 bits
A.8/5	Parity Information (NPB).	none
A.8/6	Number of Stop Bits (NSB).	1 bit
A.8/7	Radio Channel Requirement (RCR).	dualFR dualHR FR
A.8/8	Intermediate Rate (IR).	8 kbps 16 kbps
A.8/9	User Rate (UR).	2.4 4.8 9.6
A.8/10	Modem Type (MT).	V.22bis V.26ter V.22
A.8/11	Fixed Network User Rate (FNUR)	9.6 14.4
A.8/11a	all allowed combinations according to GSM 07.01 B.1.2.2 (3GPP TS 27.001) implemented (if not,	NO

Designation	Description	Supported Values
	provide detailed description).	
A.8/12	Wanted Air Interface User Rate (WAIUR)	14.4 9.6
A.8/13	Acceptable channel codings (ACC)	14.4 4.8 9.6
A.8/14	User Initiated Modification Indication (UIMI)	not req.
A.8/15	Maximum number of Traffic Channels (MaxNumTCH)	1
A.9/1	Signalling Access Protocol (SAP).	NO
A.9/2	Radio Channel Requirement (RCR).	NO
A.9/3	Intermediate Rate (IR).	NO
A.9/4	User Rate (UR).	NO
A.9/5	Fixed Network User Rate (FNUR)	NO
A.9/5a	all allowed combinations according GSM 07.01 A2 1.3.1.1 (3GPP TS 27.001) implemented (if not, provide detailed description).	NO
A.9/6	Acceptable channel codings (ACC)	NO
A.9/7	Maximum number of Traffic Channels (MaxNumTCH)	NO
A.10/1	Radio Channel Requirement (RCR).	NO
A.10/2	Intermediate Rate (IR).	NO
A.10/3	User Rate (UR).	NO
A.10/4	User Info Layer 2 Protocol (UIL2P).	NO
A.10/4a	all allowed combinations according to GSM 07.01 B.1.3.1.2 (3GPP TS 27.001) implemented (if not, provide detailed description).	NO
A.10/5	Rate Adaptation (RA)	NO
A.10/6	Fixed Network User Rate (FNUR)	NO
A.10/7	Wanted Air Interface User Rate (WAIUR)	NO
A.10/8	User Initiated Modification Indication (UIMI)	NO
A.10/9	Acceptable channel codings (ACC)	NO
A.10/10	Maximum number of Traffic Channels (MaxNumTCH)	NO
A.10a/1	Signalling Access Protocol (SAP).	NO
A.10a/2	Fixed Network User Rate (FNUR)	NO
A.10a/3	all allowed combinations according GSM 07.01 A2 1.3.1.4 (3GPP TS 27.001) implemented (if not, provide detailed description).	NO
A.10b/1	Signalling Access Protocol (SAP).	NO
A.10b/2	Acceptable channel codings (ACC)	NO
A.10b/3	Maximum number of Traffic Channels (MaxNumTCH)	NO
A.10b/4	all allowed combinations according to GSM 07.01 B.1.3.1.5 (3GPP TS 27.001) implemented (if not,	NO

Designation	Description	Supported Values
	provide detailed description).	
A.11/1	Radio Channel Requirement (RCR).	NO
A.11/2	Intermediate Rate (IR).	NO
A.11/3	User Rate (UR).	NO
A.11/4	Modem Type (MT).	NO
A.11/5	Other Modem Type (OMT).	NO
A.11/5a	all allowed combinations according to GSM 07.01 B.1.3.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description).	NO
A.11/6	Fixed Network User Rate (FNUR)	NO
A.11/7	Acceptable channel codings (ACC)	NO
A.11/8	Maximum number of Traffic Channels (MaxNumTCH)	NO
A.12/1	Connection Element (CE).	NO
A.12/2	Radio Channel Requirement (RCR).	NO
A.12/3	Intermediate Rate (IR).	NO
A.12/4	User Rate (UR).	NO
A.12/5	Modem Type (MT).	NO
A.12/6	Other Modem Type (OMT).	NO
A.12/6a	all allowed combinations according to GSM 07.01 B.1.3.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description).	NO
A.12/7	Fixed Network User Rate (FNUR)	NO
A.12/8	Wanted Air Interface User Rate (WAIUR)	NO
A.12/9	Acceptable channel codings (ACC)	NO
A.12/10	User Initiated Modification Indication (UIMI)	NO
A.12/11	Maximum number of Traffic Channels (MaxNumTCH)	NO
A.13/1	Connection Element (CE).	NO
A.13/2	User Info Layer 2 Protocol (UIL2P).	NO
A.13/3	Number of Data Bits(NDB).	NO
A.13/4	Parity Information (NPB).	NO
A.13/5	Number of Stop Bits (NSB).	NO
A.13/6	Radio Channel Requirement (RCR).	NO
A.13/7	Intermediate Rate (IR).	NO
A.13/8	User Rate (UR).	NO
A.13/9	Fixed Network User Rate (FNUR)	NO
A.13/9a	all allowed combinations according to GSM 07.01 B.1.4 (3GPP TS 27.001) implemented (if not, provide detailed description).	NO
A.13/10	Wanted Air Interface User Rate (WAIUR)	NO
A.13/11	Acceptable channel codings (ACC)	NO

Designation	Description	Supported Values
A.13/12	User Initiated Modification Indication (UIMI)	NO
A.13/13	Maximum number of Traffic Channels (MaxNumTCH)	NO
A.14/1	Radio Channel Requirement (RCR).	NO
A.14/2	Intermediate Rate (IR).	NO
A.14/3	User Rate (UR).	NO
A.14/4	Fixed Network User Rate (FNUR)	NO
A.14/4a	all allowed combinations according to GSM 07.01 B.1.5 (3GPP TS 27.001) implemented (if not, provide detailed description).	NO
A.14/5	Wanted Air Interface User Rate (WAIUR)	NO
A.14/6	Acceptable channel codings (ACC)	NO
A.14/7	User Initiated Modification Indication (UIMI)	NO
A.14/8	Maximum number of Traffic Channels (MaxNumTCH)	NO
A.15/1	Radio Channel Requirement (RCR).	FR dualFR dualHR
A.16/1	Connection Element (CE).	T bothT NT bothNT
A.16/2	User Info Layer 2 Protocol (UIL2P).	NAV
A.16/3	Number of Data Bits(NDB).	8 bits
A.16/4	Parity Information (NPB).	none
A.16/5	Number of Stop Bits (NSB).	1 bit
A.16/6	Radio Channel Requirement (RCR).	dualHR FR dualFR
A.16/7	Intermediate Rate (IR).	16 kbps 8 kbps
A.16/8	User Rate (UR).	2.4 4.8 9.6
A.16/9	Modem Type (MT).	V.22 V.22bis V.26ter
A.16/10	all allowed combinations according to GSM 07.01 B.1.6.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description).	NO
A.17/1	Radio Channel Requirement (RCR).	NO
A.17/2	Intermediate Rate (IR).	NO
A.17/3	User Rate (UR).	NO
A.17/4	Modem Type (MT).	NO
A.17/5	all allowed combinations according to GSM 07.01 B.1.6.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description).	NO
A.18/1	Radio Channel Requirement (RCR).	dualHR FR dualFR
A.19/1	Connection Element (CE).	bothNT T bothT NT
A.19/2	User Info Layer 2 Protocol (UIL2P).	NAV
A.19/3	Number of Data Bits(NDB).	8 bits
A.19/4	Parity Information (NPB).	none
A.19/5	Number of Stop Bits (NSB).	1 bit
A.19/6	Radio Channel Requirement (RCR).	dualFR dualHR FR

Designation	Description	Supported Values
A.19/7	Intermediate Rate (IR).	8 kbps 16 kbps
A.19/8	User Rate (UR).	9.6 2.4 4.8
A.19/9	Modem Type (MT).	V.26ter V.22 V.22bis
A.19/10	all allowed combinations according to GSM 07.01 B.1.7.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description).	NO
A.20/1	Radio Channel Requirement (RCR).	NO
A.20/2	Intermediate Rate (IR).	NO
A.20/3	User Rate (UR).	NO
A.20/4	Modem Type (MT).	NO
A.20/5	all allowed combinations according to GSM 07.01 B.1.7.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description).	NO
A.21/1	Radio Channel Requirement (RCR).	dualFR dualHR FR
A.22/1	Radio Channel Requirement (RCR).	NO
A.23/1	Connection Element (CE).	T
A.23/2	User Info Layer 2 Protocol (UIL2P).	NO
A.23/3	Intermediate Rate (IR).	16 kbps 8 kbps
A.23/4	User Rate (UR).	2.4 4.8 9.6
A.23/5	all allowed combinations according to GSM 07.01 B.1.10.2 (3GPP TS 27.001) implemented (if not, provide detailed description).	YES
A.24/1	Connection Element (CE).	T
A.24/2	User Info Layer 2 Protocol (UIL2P).	NO
A.24/3	Intermediate Rate (IR).	8 kbps 16 kbps
A.24/4	User Rate (UR).	4.8 9.6 2.4
A.24/5	all allowed combinations according to GSM 07.01 B.1.11 (3GPP TS 27.001) implemented (if not, provide detailed description).	YES
A.25.1/1	AMR C/I normalization factor (AFS GSM 900) (units: dB)	YES
A.25.1/2	Loop C delay Full rate (round trip delay, in number of TDMA frames)	YES
A.25.1/3	AMR C/I normalization factors (AFS, Improved RX performance, GSM 900) (units: dB)	YES
A.25.1/4	AMR C/I normalization factors (AHS, Improved RX performance, GSM 900) (units: dB)	YES
A.25.1/5	O-TCH/F C/I normalisation factor (GSM 900) (units: dB)	NO
A.25.1/6	Loop C delay Half rate (round trip delay, in number of TDMA frames)	YES
A.25.1/7	Averaging time Tav	YES

Designation	Description	Supported Values
	This time is the time between the first and the last measurement sample taken on one carrier during one averaging period when measuring received signal strength	
A.25.1/8	TCH/WFS C/I normalisation factor (GSM 900) (units: dB)	NO
A.25.1/9	TCH/WFS C/I normalization factors (TCH/WFS, Improved RX performance, GSM900) (units: dB)	NO
A.25.1/10	MS LCS Notification timeout timer (units: seconds)	NO
A.25.1/11	AMR C/I normalization factor (AFS GSM 850) (units: dB)	YES
A.25.1/12	AMR C/I normalization factor (AFS GSM 700) (units: dB)	NO
A.25.1/13	AMR C/I normalization factor (AFS GSM 450) (units: dB)	NO
A.25.1/14	AMR C/I normalization factor (AFS DCS 1800) (units: dB)	YES
A.25.1/15	AMR C/I normalization factor (AFS PCS 1900) (units: dB)	YES
A.25.1/16	AMR C/I normalization factor (AHS GSM 900) (units: dB)	YES
A.25.1/17	AMR C/I normalization factor (AHS GSM 850) (units: dB)	YES
A.25.1/18	AMR C/I normalization factor (AHS GSM 700) (units: dB)	NO
A.25.1/19	AMR C/I normalization factor (AHS GSM 450) (units: dB)	NO
A.25.1/20	AMR C/I normalization factor (AHS DCS 1800) (units: dB)	YES
A.25.1/21	AMR C/I normalization factor (AHS PCS 1900) (units: dB)	YES
A.25.1/22	AMR C/I normalization factors (AFS, Improved RX performance, GSM 850) (units: dB)	YES
A.25.1/23	AMR C/I normalization factors (AFS, Improved RX performance, GSM 700) (units: dB)	NO
A.25.1/24	AMR C/I normalization factors (AFS, Improved RX performance, GSM 450) (units: dB)	NO
A.25.1/25	AMR C/I normalization factors (AFS, Improved RX performance, DCS 1800) (units: dB)	YES
A.25.1/26	AMR C/I normalization factors (AFS, Improved RX	YES

Designation	Description	Supported Values
	performance, PCS 1900) (units: dB)	
A.25.1/27	AMR C/I normalization factors (AHS, Improved RX performance, GSM 850) (units: dB)	YES
A.25.1/28	AMR C/I normalization factors (AHS, Improved RX performance, GSM 700) (units: dB)	NO
A.25.1/29	AMR C/I normalization factors (AHS, Improved RX performance, GSM 450) (units: dB)	NO
A.25.1/30	AMR C/I normalization factors (AHS, Improved RX performance, DCS 1800) (units: dB)	YES
A.25.1/31	AMR C/I normalization factors (AHS, Improved RX performance, PCS 1900) (units: dB)	YES
A.25.1/32	O-TCH/F C/I normalisation factor (GSM 850) (units: dB)	NO
A.25.1/33	O-TCH/F C/I normalisation factor (GSM 700) (units: dB)	NO
A.25.1/34	O-TCH/F C/I normalisation factor (GSM 450) (units: dB)	NO
A.25.1/35	O-TCH/F C/I normalisation factor (DCS 1800) (units: dB)	NO
A.25.1/36	O-TCH/F C/I normalisation factor (PCS 1900) (units: dB)	NO
A.25.1/37	TCH/WFS C/I normalisation factor (GSM 850) (units: dB)	NO
A.25.1/38	TCH/WFS C/I normalisation factor (GSM 700) (units: dB)	NO
A.25.1/39	TCH/WFS C/I normalisation factor (GSM 450) (units: dB)	NO
A.25.1/40	TCH/WFS C/I normalisation factor (DCS 1800) (units: dB)	NO
A.25.1/41	TCH/WFS C/I normalisation factor (PCS 1900) (units: dB)	NO
A.25.1/42	TCH/WFS C/I normalization factors (TCH/WFS, Improved RX performance, GSM850) (units: dB)	NO
A.25.1/43	TCH/WFS C/I normalization factors (TCH/WFS, Improved RX performance, GSM700) (units: dB)	NO
A.25.1/44	TCH/WFS C/I normalization factors (TCH/WFS, Improved RX performance, GSM450) (units: dB)	NO
A.25.1/45	TCH/WFS C/I normalization factors (TCH/WFS, Improved RX performance, DCS1800) (units: dB)	NO
A.25.1/46	TCH/WFS C/I normalization factors (TCH/WFS, Improved RX performance, PCS1900) (units: dB)	NO
A.25/1	at least one half rate service.	YES

Designation	Description	Supported Values
A.25/2	Speech supported for Full rate version 1 (GSM FR)	YES
A.25/3	Speech supported for Half rate version 1 (GSM HR)	YES
A.25/4	at least one data service.	NO
A.25/5	at least one full rate data service.	NO
A.25/6	at least one half rate data service.	NO
A.25/7	at least one non transparent data service.	NO
A.25/8	at least one transparent data service.	NO
A.25/9	only transparent data service	NO
A.25/10	at least one asynchronous data service.	NO
A.25/11	at least one asynchronous non transparent data service.	NO
A.25/12	2.4 k full rate data mode.	NO
A.25/13	2.4 k half rate data mode.	NO
A.25/14	4.8 k full rate data mode.	NO
A.25/15	4.8 k half rate data mode.	NO
A.25/16	9.6 k full rate data mode.	NO
A.25/17	non transparent service with full rate channel at a user rate of 4.8 kbit/s.	NO
A.25/18	at least one bearer capability.	YES
A.25/19	at least one MT circuit switched basic service.	YES
A.25/20	at least one MO circuit switched basic service.	YES
A.25/21	only SDCCH.	NO
A.25/22	at least one service on traffic channel supported	YES
A.25/23	dual rate radio channel types (no relation to supported speech codecs)	YES
A.25/24	only full rate radio channel type (no relation to supported speech codecs)	NO
A.25/25	at least one teleservice.	YES
A.25/26	CC protocol for at least one BC.	YES
A.25/27	only circuit switched basic service supported by the mobile is emergency call.	NO
A.25/28	Fax Error Correction Mode.	NO
A.25/29	at least one supplementary service.	YES
A.25/30	non call related supplementary service.	YES
A.25/31	at least one short message service.	YES
A.25/32	(SMS) reply procedure.	YES
A.25/33	replace SMS.	YES
A.25/34	display of received SMS.	YES
A.25/35	SMS status report capabilities.	YES
A.25/36	Storing of short messages in the SIM.	YES
A.25/37	Storing of short messages in the ME.	YES

Designation	Description	Supported Values
A.25/38	detach on power down.	YES
A.25/39	detach on SIM remove.	NO
A.25/40	SIM removable without power down.	NO
A.25/41	ID-1 SIM.	NO
A.25/42	Plug-In SIM.	YES
A.25/43	Disable PIN feature.	YES
A.25/44	PIN2 feature.	YES
A.25/45	Feature requiring entry of PIN2.	YES
A.25/46	Chars 0-9, *, # supported	YES
A.25/47	A, B, C, D chars. supported	NO
A.25/48	automatically enter automatic selection of PLMN mode.	YES
A.25/49	alerting indication to the user.	YES
A.25/50	Appl. Layer is always running.	NO
A.25/51	Immediate connect supported for all circuit switched basic services.	NO
A.25/52	In-Call modification.	YES
A.25/53	follow-on request procedure.	YES
A.25/54	refusal of call.	NO
A.25/55	RF amplification.	NO
A.25/56	Number of B-party number for autocalling is greater than the number of entries in the blacklist.	NO
A.25/57	Handset MS supporting speech.	YES
A.25/58	MT2 Configuration.	NO
A.25/59	MT2 Configuration or any other possibility to send data over Um interface.	NO
A.25/60	Permanent Antenna Connector.	YES
A.25/61	Pseudo-synchronized handover supported.	YES
A.25/62	5V only SIM/ME interface.	NO
A.25/63	3V only SIM/ME interface.	NO
A.25/64	3V/5V SIM/ME interface.	NO
A.25/65	Speech supported for Full rate version 2 (GSM EFR)	YES
A.25/66a	RLP supports non default parameters	NO
A.25/66b	Support of listening to voice broadcast calls (VBS listening)	NO
A.25/67	Support of originating voice broadcast call (VBS originating)	NO
A.25/68	Support of listening to voice group calls (VGCS listening)	NO
A.25/69	Support of talking in voice group calls (VGCS	NO

Designation	Description	Supported Values
	talking)	
A.25/70	Support of originating voice group call (VGCS originating)	NO
A.25/71	Support reduced NCH monitoring	NO
A.25/72	14.4 k data mode	YES
A.25/73	Implementation of cause number 27 of busy autocalling in category 2	YES
A.25/74	Implementation of cause number 27 of busy autocalling in category 3	YES
A.25/76	Artificial ear type 1	YES
A.25/77	Artificial ear type 3.2, Low leak option	NO
A.25/78	Artificial ear type 3.4	NO
A.25/79	Speech supported for Full rate version 3 (FR AMR)	YES
A.25/80	NCH monitoring in group receive mode	NO
A.25/81	NCH monitoring in group transmit mode	NO
A.25/82	NCH monitoring in dedicated mode	NO
A.25/83	Support of one PDP context activation	YES
A.25/84	Support of more than one PDP context activation	YES
A.25/85	Support of more than one PDP context activation simultaneously on the same SAPI	YES
A.25/86	Support of GPRS data compression	NO
A.25/87	Support of GPRS header compression	NO
A.25/88	Support of Network requested PDP context activation	YES
A.25/89	Support for user settings of minimum QoS	YES
A.25/90	Automatic GPRS attach procedure at switch-on/power-on	YES
A.25/91	MMI controlled attach/detach procedures for non-GPRS services	NO
A.25/92	Automatic attach procedure when MS identity cannot derived by the network	YES
A.25/93	Automatic MM IMSI attach procedure at switch-on / power-on	YES
A.25/94	Support of SIM Application Toolkit	YES
A.25/95	1,8V only SIM/ME interface.	NO
A.25/96	1,8V/3V SIM/ME interface.	YES
A.25/97	Multiple SM MO/PP on same RR link	YES
A.25/98	Support of stored list cell selection	NO
A.25/99	at least one service not support immediate connection	YES
A.25/102	EFR_EmgCallSetup message contains the bearer capability	YES

Designation	Description	Supported Values
A.25/103	Support of MonitorPCH_GroupTransmitMode	NO
A.25/104	Integral_Antenna	NO
A.25/105	User requested combined GPRS and non-GPRS detached without powering off	NO
A.25/106	User requested non-GPRS detached	YES
A.25/107	Artificial ear type 3.2, High leak option	NO
A.25/108	Artificial ear type 3.3	YES
A.25/109	Support of Multiple SMS	YES
A.25/110	Cell Reselection after T3184 Expiry	NO
A.25/111	GPRS attach attempted automatically due to outstanding request	YES
A.25/112	Speech supported for Half rate version 3 (HR AMR)	YES
A.25/113	AMR Loop Back Modes	YES
A.25/114	TTY services	YES
A.25/115	Support of Secondary PDP Context Activation	YES
A.25/116	Support of MO SMS Concatenation	YES
A.25/117	Support of MT SMS Concatenation	YES
A.25/118	NITZ Supported	YES
A.25/119	Use of NITZ DST (Daylight Saving Time)	YES
A.25/121	Re-attach automatically when the network commands a detach with no cause value	NO
A.25/122	Support of GPRS header compression algorithm type RFC 1144	NO
A.25/123	Support of GPRS header compression algorithm type RFC 2507	NO
A.25/124	Support of ROHC algorithm type RFC 3241	NO
A.25/125	Support of ROHC algorithm type RFC 3242	NO
A.25/126	Support of ROHC algorithm type RFC 3408	NO
A.25/127	Support of ROHC algorithm type RFC 3095	NO
A.25/128	The way to trigger transferring of new user data in a different PDP context while an uplink transfer is in progress	NO
A.25/129	Support of DARP phase 1	YES
A.25/130	Support of Card Application	NO
A.25/131	Support of GSM speech half rate version 6 (O-TCH/AHS)	NO
A.25/132	MS with improved receiver performance	YES
A.25/133	Support of GSM speech full rate version 4 (O-TCH/WFS)	NO
A.25/134	Verification for correct repetition of new password	NO
A.25/135	MS using reduced interslot dynamic range in	NO

Designation	Description	Supported Values
	multislot configurations	
A.25/136	Support of GSM speech Half rate version 4 (O-TCH/WHS)	NO
A.25/137	Support of GSM Speech Full Rate version 5 (TCH/WFS)	NO
A.25/138	Support of overwriting the existing Class 2 SMS	YES
A.25/139	Support of Repeated SACCH	YES
A.25/140	Support for a method for resetting stored A-GPS assistance data	NO
A.25/141	Support of DARP phase 2	NO
A.25/142	Support of Rel-4 acoustic implementation	YES
A.25/143	MS with no components having RF performance sensitive to vibration condition during testing	YES
A.25/144	Use of NITZ Full Name	NO
A.25/145	Use of NITZ Short Name	YES
A.25/146	Use of NITZ Universal Time	YES
A.25/147	Use of NITZ Local Time Zone	YES
A.25/148	MS using a temporary antenna connector	YES
A.25/149	Support of Repeated FACCH	YES
A.25/150	Support of HATS	NO
A.25/151	Controlled Early Classmark Sending	YES
A.25/152	SS Screening Indicator	YES
A.25/153	VBS notification reception	NO
A.25/154	VGCS notification reception	NO
A.25/155	Classmark 3 options available	YES
A.25/156	LCS VA Capability	NO
A.25/157	UCS2 treatment	YES
A.25/158	CM Service Prompt	YES
A.25/159	Extended Measurement Capability	YES
A.25/160	SMS_VALUE (Switch-Measure-Switch)	NO
A.25/161	SM_VALUE (Switch-Measure)	NO
A.25/162	Priority Based Cell Reselection	NO
A.25/163	Offset required	NO
A.25/164	E-UTRA Measurement and Reporting support	NO
A.25/165	Support of public basic MMI strings to change/unblock PIN	YES
A.25/166	UMTS AKA capable	YES
A.25/167	Support for a method for resetting stored A-GNSS assistance data	NO
A.25/168	L2 fill bits randomisation in uplink	NO
A.27/1	see 51.010-2; UL/DL: 12.2 kbps	NO
A.27/2	see 51.010-2; UL/DL: 14.4 kbps	NO

Designation	Description	Supported Values
A.27/3	see 51.010-2; UL/DL: 28.8 kbps	NO
A.27/4	see 51.010-2; UL/DL: 57.6 kbps	NO
E.1/1	Profile Download	YES
E.1/2	SMS-PP data download	YES
E.1/3	Cell Broadcast data download	no
E.1/4	Menu selection	YES
E.1/5	9EXX response code for SIM data download error	YES
E.1/6	Timer expiration	YES
E.1/7	USSD string data object supported in Call Control	YES
E.1/8	Envelope Call Control always sent to the SIM during automatic redial mode	YES
E.1/9	Command result	YES
E.1/10	Call Control by SIM	YES
E.1/11	Cell identity included in Call Control by SIM	YES
E.1/12	MO short message control by SIM	YES
E.1/13	Handling of the alpha identifier	YES
E.1/14	UCS2 Entry supported	YES
E.1/15	UCS2 Display supported	YES
E.1/16	Display of the extension text	YES
E.1/17	DISPLAY TEXT	YES
E.1/18	GET INKEY	YES
E.1/19	GET INPUT	YES
E.1/20	MORE TIME	YES
E.1/21	PLAY TONE	YES
E.1/22	POLL INTERVAL	YES
E.1/23	POLLING OFF	YES
E.1/24	REFRESH	YES
E.1/25	SELECT ITEM	YES
E.1/26	SEND SHORT MESSAGE	YES
E.1/27	SEND SS	YES
E.1/28	SEND USSD	YES
E.1/29	SET UP CALL	YES
E.1/30	SET UP MENU	YES
E.1/31	PROVIDE LOCAL INFORMATION (LOCI & IMEI)	YES
E.1/32	PROVIDE LOCAL INFORMATION (NMR)	YES
E.1/33	SET UP EVENT LIST	YES
E.1/34	Event: MT call	YES
E.1/35	Event: Call connected	YES
E.1/36	Event: Call disconnected	YES

Designation	Description	Supported Values
E.1/37	Event: Location status	YES
E.1/38	Event: User activity	YES
E.1/39	Event: Idle screen available	no
E.1/40	Event: Card reader status	NO
E.1/41	Event: Language selection	no
E.1/42	Event: Browser Termination	YES
E.1/43	Event: Data available	NO
E.1/44	Event: Channel status	NO
E.1/45	RFU	NO
E.1/46	RFU	NO
E.1/47	RFU	NO
E.1/48	RFU	NO
E.1/49	POWER ON CARD	NO
E.1/50	POWER OFF CARD	NO
E.1/51	PERFORM CARD APDU	NO
E.1/52	GET READER STATUS (Card reader status)	NO
E.1/53	GET READER STATUS (Card reader identifier)	NO
E.1/54	RFU	NO
E.1/55	RFU	NO
E.1/56	RFU	NO
E.1/57	TIMER MANAGEMENT (start, stop)	YES
E.1/58	TIMER MANAGEMENT (get current value)	YES
E.1/59	PROVIDE LOCAL INFORMATION (date, time and time zone)	no
E.1/60	Binary choice in GET INKEY	YES
E.1/61	SET UP IDLE MODE TEXT	YES
E.1/62	RUN AT COMMAND (i.e. class "b" is supported)	NO
E.1/63	2nd alpha identifier in SET UP CALL	YES
E.1/64	2nd capability configuration parameter	YES
E.1/65	Sustained DISPLAY TEXT	YES
E.1/66	SEND DTMF command	YES
E.1/67	PROVIDE LOCAL INFORMATION - BCCH	YES
E.1/68	PROVIDE LOCAL INFORMATION (language)	no
E.1/69	PROVIDE LOCAL INFORMATION (Timing Advance)	YES
E.1/70	LANGUAGE NOTIFICATION	YES
E.1/71	LAUNCH BROWSER	YES
E.1/72	RFU	NO
E.1/73	Soft keys support for SELECT ITEM	NO
E.1/74	Soft keys support for SET UP MENU	NO
E.1/75	RFU	NO
E.1/76	RFU	NO

Designation	Description	Supported Values
E.1/77	RFU	NO
E.1/78	RFU	NO
E.1/79	RFU	NO
E.1/80	RFU	NO
E.1/81	Maximum number of softkeys available ("FF" = RFU)	NO
E.1/82	Maximum number of softkeys available ("FF" = RFU)	NO
E.1/83	Maximum number of softkeys available ("FF" = RFU)	NO
E.1/84	Maximum number of softkeys available ("FF" = RFU)	NO
E.1/85	Maximum number of softkeys available ("FF" = RFU)	NO
E.1/86	Maximum number of softkeys available ("FF" = RFU)	NO
E.1/87	Maximum number of softkeys available ("FF" = RFU)	NO
E.1/88	Maximum number of softkeys available ("FF" = RFU)	NO
E.1/89	OPEN CHANNEL	NO
E.1/90	CLOSE CHANNEL	NO
E.1/91	RECEIVE DATA	NO
E.1/92	SEND DATA	NO
E.1/93	GET CHANNEL STATUS	NO
E.1/94	RFU	NO
E.1/95	RFU	NO
E.1/96	RFU	NO
E.1/97	CSD supported by ME	NO
E.1/98	GPRS supported by ME	NO
E.1/99	RFU	NO
E.1/100	RFU	NO
E.1/101	RFU	NO
E.1/102	Number of channels supported by ME	NO
E.1/103	Number of channels supported by ME	NO
E.1/104	Number of channels supported by ME	NO
E.1/105	Number of characters supported down the ME	NO
E.1/106	Number of characters supported down the ME	NO
E.1/107	Number of characters supported down the ME	NO
E.1/108	Number of characters supported down the ME	YES
E.1/109	Number of characters supported down the ME	NO
E.1/110	No display capability (i.e class "ND" is indicated)	NO

Designation	Description	Supported Values
E.1/111	No keypad available (i.e. class "NK" is indicated)	NO
E.1/112	Screen Sizing Parameters	NO
E.1/113	Number of characters supported across the ME display	YES
E.1/114	Number of characters supported across the ME display	NO
E.1/115	Number of characters supported across the ME display	NO
E.1/116	Number of characters supported across the ME display	NO
E.1/117	Number of characters supported across the ME display	YES
E.1/118	Number of characters supported across the ME display	NO
E.1/119	Number of characters supported across the ME display	NO
E.1/120	Variable size fonts Supported	NO
E.1/121	Display can be resized	NO
E.1/122	Text Wrapping supported	YES
E.1/123	Text Scrolling supported	YES
E.1/124	RFU	NO
E.1/125	RFU	NO
E.1/126	Width reduction when in a menu	NO
E.1/127	Width reduction when in a menu	NO
E.1/128	Width reduction when in a menu	NO
E.1/129	TCP	NO
E.1/130	UDP	NO
E.1/131	RFU	NO
E.1/132	RFU	NO
E.1/133	RFU	NO
E.1/134	RFU	NO
E.1/135	RFU	NO
E.1/136	RFU	NO
E.1/137	RFU	NO
E.1/138	RFU	NO
E.1/139	RFU	NO
E.1/140	RFU	NO
E.1/141	RFU	NO
E.1/142	RFU	NO
E.1/143	RFU	NO
E.1/144	RFU	NO
E.1/145	Protocol Version	NO

Designation	Description	Supported Values
E.1/146	Protocol Version	NO
E.1/147	Protocol Version	NO
E.1/148	Protocol Version	NO
E.1/149	RFU	NO
E.1/150	RFU	NO
E.1/151	RFU	NO
E.1/152	RFU	NO

ANNEX C: Detailed Test Results

Annex C.1 Main Terms

Testcases	Testcase identification number and description in 3GPP test specification and GCF and/or NAPRD03.
Category	The category of testcase in the given frequency band as specified in the GCF-CC and/or NAPRD03 documents.
Verdict	Verdict of each testcase.

Annex C.2 Terms used in Condition column

NTC	Nominal voltage, Normal Temperature
VH	High voltage, Normal Temperature
VL	Low voltage, Normal Temperature
VHTH	high voltage, High Temperature
VHTL	high voltage, Low Temperature
VLTH	Low voltage, High Temperature
VLTL	Low voltage, Low Temperature
Vib	Vibration

Annex C.3 Terms used in Verdict column

Pass	This testcase has been tested, and EUT is conformant to the applied standards in the given frequency band.
Fail	This testcase has been tested, but EUT is not conformant to the applied standards in the given frequency band.
N/A	This test case is either not required/not applicable in the specified band or is not applicable according to the specific PICS/PIXIT for the EUT.
Inc	Test case result is ambiguous in the given frequency band.
Decl	Declaration is received from the client to demonstrate the conformity to the relevant specification in the given frequency band.
BR	This testcase is not tested in the given frequency band, but this testcase was tested with pass result for the initial model in the given frequency band.
GSM900	This test case is not performed in the given frequency band, instead of in GSM900 band. The result for this testcase is given in GSM900 column.
GSM1800	This test case is not performed in the given frequency band, instead of in GSM1800 band. The result for this testcase is given in GSM1800 column.
GSM850	This test case is not performed in the given frequency band, instead of in GSM850 band. The result for this testcase is given in GSM850 column.
GSM1900	This test case is not performed in the given frequency band, instead of in GSM1900 band. The result for this testcase is given in GSM1900 column.

Annex C.4 Terms used in Note column

EUT ID	EUT ID (e.g N01, N02.....) is used to identify the EUT tested used for each testcase as specified in section 3 of this test report.
Lab Code	Lab code is used to identify the subcontracted lab if this testcase is performed in the subcontracted lab.

Subcontracted test lab code

There is no subcontracted test lab used.

Annex C.5 Testcases list

tcid	description	testcondition	band	release	Category		Result 900		Result 1800	
					900	1800	verdict	eut	verdict	eut
14.1.5.1	Bad frame indication - TCH/AFS (Speech frame)	NTC	all	R98 AND AMR Loops	A	A	Pass	N01	Pass	N01
14.4.8	Co-channel rejection - TCH/AFS	normal	all	R98 AND AMR Loops	A	A	Pass	N01	Pass	N01
14.4.17	Co-channel rejection - TCH/AFS-INB	NTC	all	R98 AND AMR Loops	A	A	Pass	N01	Pass	N01
14.4.18	Co-channel rejection - TCH/AHS-INB	NTC	all	R98 AND AMR Loops	A	A	Pass	N01	Pass	N01
14.5.1.2	Adjacent channel rejection - TCH/AFS	NTC	all	R98 AND AMR Loops	A	A	Pass	N01	Pass	N01
14.5.1.3	Adjacent channel rejection - TCH/AHS	NTC	all	R98 AND AMR Loops	A	A	Pass	N01	Pass	N01
16	Reception time tracking speed	NTC	all	Phase 2	A	A	Pass	N01	Pass	N01
21.1	Received signal measurements - Signal strength	normal, dtx-off	all	Phase 2	A	A	Pass	N02	Pass	N02
21.1	Received signal measurements - Signal strength	normal, dtx-on	all	Phase 2	A	A	Pass	N02	Pass	N02
21.1	Received signal measurements - Signal strength	THVH, dtx-off	all	Phase 2	A	A	Pass	N02	Pass	N02
21.1	Received signal measurements - Signal strength	THVH, dtx-on	all	Phase 2	A	A	Pass	N02	Pass	N02
21.1	Received signal measurements - Signal strength	THVL, dtx-off	all	Phase 2	A	A	Pass	N02	Pass	N02
21.1	Received signal measurements - Signal strength	THVL, dtx-on	all	Phase 2	A	A	Pass	N02	Pass	N02
21.1	Received signal measurements - Signal strength	TLVH, dtx-off	all	Phase 2	A	A	Pass	N02	Pass	N02
21.1	Received signal measurements - Signal strength	TLVH, dtx-on	all	Phase 2	A	A	Pass	N02	Pass	N02
21.1	Received signal measurements - Signal strength	TLVL, dtx-off	all	Phase 2	A	A	Pass	N02	Pass	N02
21.1	Received signal measurements - Signal strength	TLVL, dtx-on	all	Phase 2	A	A	Pass	N02	Pass	N02
21.2	Received signal measurements - Signal strength selectivity	NTC	all	Phase 2	A	A	Pass	N01	Pass	N01
21.3.3	Signal quality under static conditions - TCH/AFS - DTX off	NTC	all	R98	A	A	Pass	N01	Pass	N01
21.3.4	Signal quality under static conditions - TCH/AHS - DTX off	NTC	all	R98	A	A	Pass	N01	Pass	N02
21.3.5	Signal quality under static conditions - TCH/AFS - DTX on	NTC	all	R98	A	A	Pass	N01	Pass	N02
21.3.6	Signal Quality under static conditions - TCH/AHS - DTX on	NTC	all	R98	A	A	Pass	N01	Pass	N02

tcid	description	testcondition	band	release	Category		Result 900		Result 1800	
					900	1800	verdict	eut	verdict	eut
21.4.2	Signal quality under Tuhigh propagation conditions - TCH/AFS	NTC	all	R98	A	A	Pass	N01	Pass	N02
21.4.3	Signal quality under Tuhigh propagation conditions - TCH/AHS	NTC	all	R98	A	A	Pass	N01	Pass	N02

ANNEX D: Accreditation Certificate

Deutsche Akkreditierungsstelle GmbH

Signatory to the Multilateral Agreements of
EA, ILAC and IAF for Mutual Recognition

Accreditation

The Deutsche Akkreditierungsstelle GmbH attests that the testing laboratory

**Telecommunication Metrology Center of
Ministry of Industry and Information Technology
Shouxiang Science & Technology Building
Beijing 1000191, P.R. China**

**Locations: No. 52 Huayuan Bei Road, Haidian District
Beijing 100191, P.R. CHINA**

**Shouxiang Building
No.51 Xueyuan Road, Haidian District
Beijing 100191, P.R. CHINA**

**Floor 3, Shouxiang Science and Technology Building,
No.51 Xueyuan Road, Haidian District,
Beijing, 100191
P.R.China**

is competent under the terms of ISO/IEC 17025:2005 to carry out tests in the following fields:

**Mobile Communication (3G, 2G, UMTS, GSM 850/900/1800/1900),
Over-the Air (OTA) Performance, Radio incl. WLAN, Short Range Devices (SRD), RFID,
Wi-Fi, WiMax and Bluetooth, Electromagnetic Compatibility (EMC), Specific
Absorption Rate (SAR), Hearing Aid Compatibility (HAC) and Safety of Electrical
Appliances**

The accreditation certificate is valid until 31.07.2017. It comprises the cover sheet, the
reverse side of the cover sheet and the following annex with a total of 23 pages.

Registration number of the certificate: **D-PL-12123-01-01**

Frankfurt am Main, 01.08.2012

See 19004-overall.


Dipl.-Ing. (FH) Ralf Egner
Head of Division 2

*****END OF REPORT*****