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No.L1659

ShenZhen Electronic Product Quality Testing Center

PARTIAL GSM TEST REPORT

SH_06_0606_G_b

According to NAPRD03_ v3.7.1

3GPP TS 51.010_V7.1.0

Shanghai Simcom Ltd.

GSM 850/900/1800/1900 MHz Module

Type Name: SIM340C

Hardware Version: SIM300C_V3.02
Software Version: TTPCom 10.0

Date of Issue: 2006-06-21

Official Observer of Global Certification Forum

GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS

Contents

This Test Report consists of the following Annexes:

1. Test Results

1.1 Summary of Test Results

Table1 summarize the final test results of the tested GSM Terminal Equipment. Detailed results for each test case are documented in Annex E of this Test Report.

An explanation of the terms used for each column in table 1 is given on the next page.

Test Sections of				
TS 51.010-1		GSM 850		
No.	Description	PASS	FAIL	INC
11	General tests	0	0	0
12	Transceiver	0	0	0
13	Transmitter	0	0	0
14	Receiver	0	0	0
15	Timing advance and absolute delay	0	0	0
16	Reception time tracking speed	0	0	0
17	Access times during handover	0	0	0
18	Temporary reception gaps	0	0	0
19	Channel release after unrecoverable errors	0	0	0
20	Cell selection and reselection	13	0	0
21	Received signal measurements	0	0	0
22	Transmit power control timing and confirmation	0	0	0
23	Single frequency reference	0	0	0
25	Tests of the layer 2 signaling functions	0	0	0
26	Testing of layer 3 functions	45	0	0
27	Testing of the SIM/ME interface	0	0	0
28	Test of autocalling restrictions	0	0	0
29	Testing of bearer services	0	0	0
30	Speech teleservices	0	0	0
31	Test of supplementary services	0	0	0
32	Testing of speech trans coding functions	0	0	0
33	Mobile station features	0	0	0
34	Short message service (SMS)	0	0	0
41	GPRS Paging, TBF establishment/release and DCCH related procedures	16	0	0
42	Test of Medium Access Control (MAC) protocol	23	0	0
43	RLC Test Cases	1	0	0
44	Test case requirements for GPRS mobility management	45	0	0
45	Session Management Procedures	1	0	0
46	LLC and SNDCP Tests	0	0	0
51	EGPRS Paging, TBF establishment/release and DCCH related procedures	0	0	0
52	EGPRS Test of Medium Access Control (MAC) protocol	0	0	0
53	Test of EGPRS Radio Link Control (RLC) Protocol	0	0	0
	Total:	144	0	0

Table 1: Summary of Test Results

The following terms are used in table1 above:	
No.:	Test section number of the Mobile Station Conformances Specification 3GPP TS 51.010-1 and/or 3GPP TS 11.10-4.
Description:	Test Section title of the Mobile Station Conformances Specification 3GPP TS 51.010-1 and/or 3GPP TS 11.10-4 and/or GCF CC and/or PTCRB NAPRD.03
PASS:	Amount of test cases which are conformant to the applied standard in the given GSM frequency band.
FAIL:	Amount of test cases which are not conformant to the applied standard in the given GSM frequency band.
INC:	Inconclusive: Amount of test cases with ambiguous results in the given GSM frequency band.

1.2. ShenZhen Electronic Product Quality Testing Center (MORLAB)'s different Types of GSM Test Reports

MORLAB issues the following three different types of GSM Test Reports:

Full GSM Test Report:	This type of test report contains within Annex E a list of all test cases referenced in the corresponding "Leading Reference Documents for Testing" (see table 2 in section 4.1). Full GSM/GPRS Test Report contains a verification conclusion in section 1.5.
Partial GSM Test Report:	This type of test report contains within Annex E a subset of test cases requests by the client and/or what is deemed necessary by MORLAB after a review of an existing product with respect to modification. No verification conclusion is given in section 1.5 for this type of test report.
Submit GSM Test Report:	This type of test report contains within Annex E a subset of test cases only requests by the client No verification conclusion is given in section 1.5 for this type of test report.

1.3. Documentation received from the Applicant/Manufacturer

ShenZhen Electronic Product Quality Testing Center (MORLAB) has received the PICS/PIXIT information for the equipment under test from the applicant and/or manufacturer (Please refer to Annex C of this Test Report for details) which was the basis for accredited testing.

ShenZhen Electronic Product Quality Testing Center (MORLAB) has received sufficient documentation from the applicant and/or manufacturer to perform the tests and listed in Annex E of this report.

1.4. Validity of Test Results

The test results given in this test report only relate to the GSM Terminal Equipment as specified in section 3.

1.5. Conclusion

ShenZhen Electronic Product Quality Testing Center (MORLAB) has verified that all tests as listed in Annex E of this report haven been performed successfully with the tested GSM Terminal Equipment Type.

Project Manager
(Responsible for the Test Report)

Deputy Project Manager
(Verification of the Test Report)

Test Lab Manager

2. Administrative Date

2.1. Identification of the Responsible Testing Laboratory

Company Name:	Morlab
Department:	Mobile Communication
Address:	3FL,Electronic Testing Building, ShaHe Road, NanShan District, ShenZhen, P. R. China
Telephone:	+86-0755-86130318
Fax:	+86-0755-86130218
Responsible Test Lab Managers:	Mr. Shu Luan

2.2. Identification of the Responsible Testing Location(s)

Company Name:	Morlab
Address:	3FL, Electronic Testing Building, ShaHe Road, NanShan District, ShenZhen, P. R. China

2.3. Organization Item

Morlab Report No.:	SH_06_0606_G_b
Morlab Project Leader:	Mrs. Lan Yaqin
Morlab Responsible for accreditation scope:	Mr. Shu Luan
Start of Testing:	2006-05-09
End of Testing:	2006-06-09

2.4. Identification of Applicant

Company Name:	Shanghai Simcom Ltd.
Address:	SIM Technology Building, 700 Yishan Rd., Shanghai 200233
Contact person:	Mrs. Chen Xing
Telephone:	+86 21 54276013
Fax:	+86 21 54278901

2.5. Identification of Manufacture

Company Name:	Shanghai Simcom Ltd.
Address:	SIM Technology Building, 700 Yishan Rd., Shanghai 200233
Contact person:	Mrs. Chen Xing
Telephone:	+86 21 54276013
Fax:	+86 21 54278901

Notes: This data is based on the information by the applicant.

3. Equipment Under Test (EUT)

3.1. Identification of the Equipment under Test

Brand Name: SIMCOM

Type Name: SIM340C

Marking Name: SIM340C

GSM Frequency Bands: GSM 850/900/1800/1900

General Description: Quad-band GSM Module; 850/900/1800/1900

3.2. Identification of all used Test Sample of the Equipment under Test

EUT Code	Serial Number	Hardware Version	Software Version	IMEI
06170a01	---	SIM300C_V3.02	TTPCom 10.0	000000000000000

4. Applied Reference Documents

4.1. Leading Reference Documents for Testing

The Equipment under Test (EUT) has been tested at.ShenZhen Electronic Product Quality Testing Center (MORLAB)'s (Own or subcontracted) laboratories according to the leading reference documents given in table 2 below:

Table 2: Leading Reference Documents

No.	Identity	Document Title	Version/Date
1	GCF-CC	GLOBAL CERTIFICATION FORUM-Certification Criteria	V3.22.0 (2006-04)
2	NAPRD.03	Permanent Reference document NAPRD.03	V3.7.1

4.2. Specific Reference Documents for Testing

Table 3 summarizes specific reference documents such as harmonized standards or test specifications which were used for testing ShenZhen Electronic Product Quality Testing Center (MORLAB)'s (Own or subcontracted) laboratories.

Table 3: Specific Reference Documents

No.	Identity	Document Title	Version/Date
3	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	V7.1.0 (2006-05) (Release 7)
4	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	V7.1.0 (2006-05) (Release 7)
5	3GPP TS 51.010-3	3rd Generation Partnership Project; Technical Specification Group GSM/EDGE Radio Access Network; Mobile Station (MS) conformance specification; Part 3: Layer 3 (L3) Abstract Test Suite (ATS)	V6.3.0 (2005-09) (Release 6)
6	ETSI EN 301 511	Global System for Mobile communications (GSM); Harmonized EN for mobile station in the GSM 900 and GSM 1800 bands covering essential requirements under article 3.2 of the R&TTE directive (1999/5/EC)	V 9.0.2 (2003-03)

ANNEX A

of

ShenZhen Electronic Product Quality Testing Center

PARTIAL TEST REPORT

SH_06_0606_G_b

Accreditation Certificate

This Annex consists of 2 pages
Date of Report: 2006-06-21

ACCREDITATION CERTIFICATE OF CHINA NATIONAL ACCREDITATION BOARD FOR LABORATORIES

(No.L1659)

This is to certify that

Shenzhen Electronic Product Quality Testing Center

Electronic Testing Building, Shahe Road, Xili, Nanshan District,

Shenzhen, Guangdong, China

has been assessed and proved to be in compliance with CNAL/AC01: 2003 *Accreditation Criteria for Testing and Calibration Laboratories* (identical to ISO/IEC17025：1999 *General Requirements for the Competence of Testing and Calibration Laboratories).*

Accreditation scope of the laboratory is listed in the attachment.

Date of Issue：2004.10.09

Date of Expiry：2009.10.08

魏昊

Wei Hao

Secretary General of CNAL

ANNEX B

of

ShenZhen Electronic Product Quality Testing Center

PARTIAL TEST REPORT

SH_06_0606_G_b

List of Test Equipment

This Annex consists of 5 pages
Date of Report：2006-06-21

ANITE SAT 6

Manufacturer Anite Telecoms

Serial no.

Software Version: SAT Software v21

SAT API Release 23.0

GPRS Test case Batch 1.33.1

GPRS Test case Batch 2.33.1

GPRS Test case Batch 3.33.1

GPRS Test case Batch 4.33.1

SAT Test Manager 33

Equipment	Type	Serial no.	Manufacturer
Distribution Unit	RF Combiner	0058	Anite
RF-Unit	8960(E5515C)	GB44051848	Agilent
RF-Unit	8960(E5515C)	GB44051543	Agilent
RF-Unit	8960(E5515C)	GB44052045	Agilent
RF-Unit	8960(E5515C)	GB44051719	Agilent
RF-Unit	8960(E5515C)	GB44051843	Agilent
RF-Unit	8960(E5515C)	GB44052043	Agilent

ANITE RAMS

Manufacturer Anite Telecoms

Serial no.

Software Version: RAMS S/W Version 12.03

Equipment	Type	Serial no.	Manufacturer
CW Microware Source	83712B	US37100751	Agilent/HP
CW Source Signal Generator	8665B	3744A01614	Agilent
Fading Emulator	TAS4500 FLEX	RCS22074	Sprient
Power Meter	8542C	1834376	Gigatronics
Power Sensor A			Gigatronics

Power Sensor B	80320A	1832401	Gigatronics
Signal Generator (with high stab)	E4433B	GB38450395	Agilent
Signal Generator (without high stab)	E4433B	GB38320208	Agilent
Spectrum Analyzer	8562E	3846A01010	Agilent/HP
Switch Driver	HP87130A	US40186087	Agilent
Test Set 1	Racal 6103 TCH	3084	Racal
Test Set 2	Racal 6103 BCH	3160	Racal
Vector Signal Analyzer	4406A	US39330552	Agilent

IT3

Manufacturer	ORGA		
P/N	118721		
Serial no.	B3404-50110	**Software Version:**	Release 3.6.0

TS8916B

Manufacturer	Rohde & Schwarz		
P/N	338710/001	**Software Version:**	V 2.02
		D02PH2	V 1.45
		TSYS	2V07
		CALDATA	2V07
		SFTRFC	2V07
		SUTIL	2V07
		SUTIL Patch	2V0704
		D02P2P	V 1.1705

		TC9018	V 1.17
		TC9018	V 1.18
		TCRF90	V 1.1703
		TCLY90	V 1.1701
		TCSR90	V 1.17
		TCEFR90	V 1.17
		TCEGSM2	V 1.1703
		TCRF18	V 1.1703
		TCLY18	V 1.1701
		TCSR18	V 1.17
		TCEFR18	V 1.17
		TCGCF18	V 1.0301
		PAUD09	V 1.02
		PAUD18	V 1.02
		CRTKSS1	V 1.01
		CRTKSS2	V 1.01
		CRTKSS3	V 1.00
		CRTKSS4	V 1.01
		CRTKSS5	V 1.01
		CRTKSS6	V 1.00
		TCGPRS1	V 1.19
		TCGPRS2	V 1.10
Equipment	**Type**	**Serial no.**	**Manufacturer**
RUBIDIUM REFERENCE STANDARD OSCILLATOR	EFRATOM	966890/035	Rohde & Schwarz
Master CRTC AU	CRTC 02 AU	846573/020	Rohde & Schwarz
Master CRTC DU	CRTC 02 DU	846258/020	Rohde & Schwarz
Slave CRTC AU	CRTC 02 AU	847403/003	Rohde & Schwarz
Slave CRTC DU	CRTC 02 DU	847397/002	Rohde & Schwarz
Background CRTC AU	CRTC 02 AU	846573/019	Rohde & Schwarz
Background CRTC AU 2	CRBACK1 AU	826403/019	Rohde & Schwarz

Background CRTC AU 3	CRBACK2 AU	827707/007	Rohde & Schwarz
Background CRTC DU	CRBACK2 DU	827684/002	Rohde & Schwarz
Industry Controller	PSM 12	837964/012	Rohde & Schwarz
Power Meter	NRVD	838425/002	Rohde & Schwarz
DC Power Supply	NH530-B	338710/001	Rohde & Schwarz
PROGRAMMABLE POWER SUPPLY	NGPE	697	Rohde & Schwarz
Sensor Head A	NRV-Z1	838549/002	Rohde & Schwarz
Sensor Head B	NRV-Z1	893350/009	Rohde & Schwarz
Signal Generator SMP	SMP02	838052/005	Rohde & Schwarz
Signal Generator SME	SME03	847202/001	Rohde & Schwarz
Spectrum Analyzer Display	FSM	827729/004	Rohde & Schwarz
Spectrum Analyzer Controller	FSM	827075/006	Rohde & Schwarz
SWITCH UNIT 1	UNIT	338710/001	Rohde & Schwarz
SWITCH UNIT 2	UNIT	338464/001	Rohde & Schwarz
Fading Simulator	SOFI05	177	SOFIMATION
FILTER	WRCA 880/915	25	WAINWRIGHT
HUB	STACKABLE HUB	T190300044	SMC

ANNEX C

of

ShenZhen Electronic Product Quality Testing Center

PARTIAL GSM TEST REPORT

SH_06_0606_G_b

Shanghai Simcom Ltd.

GSM 850/900/1800/1900 MHz Module

Type Name: SIM340C

Hardware Version: **SIM300C_V3.02**
Software Version: **TTPCom 10.0**

PICS/PIXIT Information

This Annex consists of 32 pages
Date of Report: **2006-06-21**

PIXIT – Protocol Implementation Extra Information for Testing

Additional Information e.g. for the practical testing

Nominal (test) voltage:4V ; Maximal (test) voltage:4.4V ; Minimal (test) voltage: 3.6V

Supported frequency bands: ☒ 850 ☒ 900 ☒1800 ☒ 1900 ☒E-GSM ☐R-GSM

SIM-ME interface: ☐ 3V ☐ 5V ☒ 3V/5V ☐ 5V/3V

☒ Half Rate (HR): ☒ GPRS : ☒Data ☒ WAP ☒ EFR

☒Multislot ☐Early classmark sending ☐Extended timing advance ☒Call forwarding unconditional (CFU)

Test case	Question	value
14.7.1	What frequency f_{lo} has the local oscillator applied to the first receiver mixer?	f_{lo} =925-960 1805-1880 1930-1990MHz
	Is the local oscillator frequency variable and below or above the receiving band (FR)?	GSM 900 f_{lo} > FR(>,<) GSM 1800 f_{lo} < FR(>,<)
	What are the n intermediate frequencies IF_1, IF_2, ... IF_n ?	IF_1 =0MHz IF_2 =0MHz IF_3 =0MHz
21.3.1, 21.4	What Round Trip Delay (RTD) for loop C is used ? (GSM 11.10-1 36.2.1.1.3)	RTD =1 bursts
34.2.2	What is the maximum length (characters) of a mobile originated short message?	L =140
34.x	What is the value of the implemented timer TC1M? (GSM 11.10-1 34.1)	TC1M = _
34.x	How many CP-DATA retransmissions are implemented in the MS?	z =0

Table A.1: Types of Mobile Stations				
Item	**Type of Mobile Station**	**Release**	**Support**	**Mnemonic**
1	Standard GSM Band (P-GSM)	Phase 2	Support	TSPC_Type_GSM_P_Band
2	Extended GSM Band (E-GSM), (including standard Band)	Phase 2	Support	TSPC_Type_GSM_E_Band
3	R-GSM Band (including standard and E-GSM Band)	R96	Not Support	TSPC_Type_GSM_R_Band
4	DCS 1800 band	Phase 2	Support	TSPC_Type_DCS_Band
5	Multiple-band, not simultaneously	Phase 2	Support	TSPC_Type_MB_NonSimul
6	Multiple-band, simultaneously	Phase 2	Support	TSPC_Type_MB_Simul
7	Small Mobile Station	Phase 2	Support	TSPC_Type_SmallMS
8	GSM Power Class 2	Phase 2	Not Support	TSPC_Type_GSM_Class2
9	GSM Power Class 3	Phase 2	Not Support	TSPC_Type_GSM_Class3
10	GSM Power Class 4	Phase 2	Support	TSPC_Type_GSM_Class4
11	GSM Power Class 5	Phase 2	Not Support	TSPC_Type_GSM_Class5
12	DCS Power Class 1	Phase 2	Support	TSPC_Type_DCS_Class1
13	DCS Power Class 2	Phase 2	Not Support	TSPC_Type_DCS_Class2
14	DCS Power Class 3	Phase 2	Not Support	TSPC_Type_DCS_Class3
15	HSCSD Multislot MS	R96	Not Support	TSPC_Type_HSCSD_Multislot
16	GSM 450 band	R99	Not Support	TSPC_Type_GSM_450_Band
17	GSM 480 band	R99	Not Support	TSPC_Type_GSM_480_Band
18	PCS 1900 band	R98	Support	TSPC_Type_PCS_Band
19	PCS Power Class 1	R98	Support	TSPC_Type_PCS_Class1
20	PCS Power Class 2	R98	Not Support	TSPC_Type_PCS_Class2
21	PCS Power Class 3	R98	Not Support	TSPC_Type_PCS_Class3
22	Multislot Class1	R96	Not Support	TSPC_Type_Multislot_Class1
23	Multislot Class2	R96	Not Support	TSPC_Type_Multislot_Class2
24	Multislot Class3	R96	Not Support	TSPC_Type_Multislot_Class3
25	Multislot Class4	R96	Not Support	TSPC_Type_Multislot_Class4
26	Multislot Class5	R96	Not Support	TSPC_Type_Multislot_Class5
27	Multislot Class6	R96	Not Support	TSPC_Type_Multislot_Class6
28	Multislot Class7	R96	Not Support	TSPC_Type_Multislot_Class7
29	Multislot Class8	R96	Not Support	TSPC_Type_Multislot_Class8
30	Multislot Class9	R96	Not Support	TSPC_Type_Multislot_Class9
Table A.1: Types of Mobile Stations				
Item	**Type of Mobile Station**	**Release**	**Support**	**Mnemonic**
31	Multislot Class10	R96	Support	TSPC_Type_Multislot_Class10
32	Multislot Class11	R96	Not Support	TSPC_Type_Multislot_Class11
33	Multislot Class12	R96	Not Support	TSPC_Type_Multislot_Class12

34	Multislot Class13	R96	Not Support	TSPC_Type_Multislot_Class13
35	Multislot Class14	R96	Not Support	TSPC_Type_Multislot_Class14
36	Multislot Class15	R96	Not Support	TSPC_Type_Multislot_Class15
37	Multislot Class16	R96	Not Support	TSPC_Type_Multislot_Class16
38	Multislot Class17	R96	Not Support	TSPC_Type_Multislot_Class17
39	Multislot Class18	R96	Not Support	TSPC_Type_Multislot_Class18
40	Multislot Class19	R97	Not Support	TSPC_Type_Multislot_Class19
41	Multislot Class20	R97	Not Support	TSPC_Type_Multislot_Class20
42	Multislot Class21	R97	Not Support	TSPC_Type_Multislot_Class21
43	Multislot Class22	R97	Not Support	TSPC_Type_Multislot_Class22
44	Multislot Class23	R97	Not Support	TSPC_Type_Multislot_Class23
45	Multislot Class24	R97	Not Support	TSPC_Type_Multislot_Class24
46	Multislot Class25	R97	Not Support	TSPC_Type_Multislot_Class25
47	Multislot Class26	R97	Not Support	TSPC_Type_Multislot_Class26
48	Multislot Class27	R97	Not Support	TSPC_Type_Multislot_Class27
49	Multislot Class28	R97	Not Support	TSPC_Type_Multislot_Class28
50	Multislot Class29	R97	Not Support	TSPC_Type_Multislot_Class29
51	GPRS Multislot operation	R97	Support	TSPC_Type_GPRS_Multislot_operation
52	EGPRS capable of 8PSK in Uplink, of all Multislot classes	R99	Not Support	TSPC_Type_EGPRS_8PSK_uplink
53	GSM 700 band	Release 4	Not Support	TSPC_Type_GSM_700_Band
54	GSM 750 band	Release 4	Not Support	TSPC_Type_GSM_750_Band
55	GSM 850 band	R99	Not Support	TSPC_Type_GSM_850_Band
56	Support of UTRAN Radio Access Technology	R99	Not Support	TSPC_Type_UTRAN
57	Support of GPRS Multislot class on the uplink	R97	Support	TSPC_Type_GPRS_Multislot_uplink
58	Support of COMPACT	R99	Not Support	TSPC_COMPACT
59	DTM Multislot Class 1	R99	Not Support	TSPC_DTM_Multislot_Class_1
60	DTM Multislot Class 5	R99	Not Support	TSPC_DTM_Multislot_Class_5
61	DTM Multislot Class 9	R99	Not Support	TSPC_DTM_Multislot_Class_9

Table A.1: Types of Mobile Stations

Item	Type of Mobile Station	Release	Support	Mnemonic
62	Support of singleslot allocation in DTM	R99	Not Support	TSPC_DTM_Singleslot_Allocation
63	Support of UTRAN FDD	R99	Not Support	TSPC_Type_UTRAN_FDD
64	Support of UTRAN TDD	R99	Not Support	TSPC_Type_UTRAN_TDD
65	Support of Conventional GPS	R98	Not Support	TSPC_Conv-GPS
66	EGPRS Multislot operation	R99	Not Support	TSPC_Type_EGPRS_Multislot_operation
67	GPRS Multislot Class1	R97	Not Support	TSPC_Type_GPRS_Multislot_Class1
68	GPRS Multislot Class2	R97	Not Support	TSPC_Type_GPRS_Multislot_Class2

69	GPRS Multislot Class3	R97	Not Support	TSPC_Type_GPRS_Multislot_Class3
70	GPRS Multislot Class4	R97	Not Support	TSPC_Type_GPRS_Multislot_Class4
71	GPRS Multislot Class5	R97	Not Support	TSPC_Type_GPRS_Multislot_Class5
72	GPRS Multislot Class6	R97	Not Support	TSPC_Type_GPRS_Multislot_Class6
73	GPRS Multislot Class7	R97	Not Support	TSPC_Type_GPRS_Multislot_Class7
74	GPRS Multislot Class8	R97	Not Support	TSPC_Type_GPRS_Multislot_Class8
75	GPRS Multislot Class9	R97	Not Support	TSPC_Type_GPRS_Multislot_Class9
76	GPRS Multislot Class10	R97	Support	TSPC_Type_GPRS_Multislot_Class10
77	GPRS Multislot Class11	R97	Not Support	TSPC_Type_GPRS_Multislot_Class11
78	GPRS Multislot Class12	R97	Not Support	TSPC_Type_GPRS_Multislot_Class12
79	GPRS Multislot Class13	R97	Not Support	TSPC_Type_GPRS_Multislot_Class13
80	GPRS Multislot Class14	R97	Not Support	TSPC_Type_GPRS_Multislot_Class14
81	GPRS Multislot Class15	R97	Not Support	TSPC_Type_GPRS_Multislot_Class15
82	GPRS Multislot Class16	R97	Not Support	TSPC_Type_GPRS_Multislot_Class16
83	GPRS Multislot Class17	R97	Not Support	TSPC_Type_GPRS_Multislot_Class17
84	GPRS Multislot Class18	R97	Not Support	TSPC_Type_GPRS_Multislot_Class18
85	GPRS Multislot Class19	R97	Not Support	TSPC_Type_GPRS_Multislot_Class19
86	GPRS Multislot Class20	R97	Not Support	TSPC_Type_GPRS_Multislot_Class20
87	GPRS Multislot Class21	R97	Not Support	TSPC_Type_GPRS_Multislot_Class21
88	GPRS Multislot Class22	R97	Not Support	TSPC_Type_GPRS_Multislot_Class22
89	GPRS Multislot Class23	R97	Not Support	TSPC_Type_GPRS_Multislot_Class23
90	GPRS Multislot Class24	R97	Not Support	TSPC_Type_GPRS_Multislot_Class24
91	GPRS Multislot Class25	R97	Not Support	TSPC_Type_GPRS_Multislot_Class25
92	GPRS Multislot Class26	R97	Not Support	TSPC_Type_GPRS_Multislot_Class26
93	GPRS Multislot Class27	R97	Not Support	TSPC_Type_GPRS_Multislot_Class27
94	GPRS Multislot Class28	R97	Not Support	TSPC_Type_GPRS_Multislot_Class28
95	GPRS Multislot Class29	R97	Not Support	TSPC_Type_GPRS_Multislot_Class29
96	EGPRS Multislot Class1	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class1
97	EGPRS Multislot Class2	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class2

Table A.1: Types of Mobile Stations

Item	Type of Mobile Station	Release	Support	Mnemonic
98	EGPRS Multislot Class3	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class3
99	EGPRS Multislot Class4	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class4
100	EGPRS Multislot Class5	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class5
101	EGPRS Multislot Class6	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class6
102	EGPRS Multislot Class7	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class7
103	EGPRS Multislot Class8	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class8
104	EGPRS Multislot Class9	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class9
105	EGPRS Multislot Class10	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class10
106	EGPRS Multislot Class11	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class11
107	EGPRS Multislot Class12	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class12
108	EGPRS Multislot Class13	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class13

109	EGPRS Multislot Class14	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class14
110	EGPRS Multislot Class15	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class15
111	EGPRS Multislot Class16	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class16
112	EGPRS Multislot Class17	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class17
113	EGPRS Multislot Class18	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class18
114	EGPRS Multislot Class19	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class19
115	EGPRS Multislot Class20	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class20
116	EGPRS Multislot Class21	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class21
117	EGPRS Multislot Class22	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class22
118	EGPRS Multislot Class23	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class23
119	EGPRS Multislot Class24	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class24
120	EGPRS Multislot Class25	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class25
121	EGPRS Multislot Class26	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class26
122	EGPRS Multislot Class27	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class27
123	EGPRS Multislot Class28	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class28
124	EGPRS Multislot Class29	R99	Not Support	TSPC_Type_EGPRS_Multislot_Class29
125	GSM 850 Power Class 2	R99	Not Support	TSPC_Type_GSM_850_Class2
126	GSM 850 Power Class 3	R99	Not Support	TSPC_Type_GSM_850_Class3
127	GSM 850 Power Class 4	R99	Not Support	TSPC_Type_GSM_850_Class4
128	GSM 850 Power Class 5	R99	Not Support	TSPC_Type_GSM_850_Class5

Table A.1b: MS Feature Release Supported

Item	MS Feature Release Supported	Release	Support	Mnemonic Value Allowed
1	Release of GPRS supported.	R97	Support	TSPC_MS_GPRS_RELEASE R97, R98, R99, Release 4, Release 5
2	Release of AMR supported.	R98	Not Support	TSPC_MS_AMR_RELEASE R98, R99, Release 4, Release 5

Table A.1b: MS Feature Release Supported

Item	MS Feature Release Supported	Release	Support	Mnemonic Value Allowed
3	Release of EGPRS supported.	R99	Not Support	TSPC_MS_EGPRS_RELEASE R99, Release 4, Release 5

Table A.2: Mobile Station Features

Item	Mobile Station Feature	Release	Support	Mnemonic
1	Display of Called Number.	Phase 2	Not Support	TSPC_Feat_DCN
2	Indication of Call Progress Signals.	Phase 2	Not Support	TSPC_Feat_CPSind
3	Country/PLMN Indication.	Phase 2	Not Support	TSPC_Feat_PLMNind
4	Country/PLMN Selection.	Phase 2	Not Support	TSPC_Feat_PLMNsel
5	Keypad.	Phase 2	Not Support	TSPC_Feat_Keypad
6	IMEI.	Phase 2	Support	TSPC_Feat_IMEI
7	Short Message Overflow Indication.	Phase 2	Not Support	TSPC_Feat_SMoverflow
8	DTE /DCE Interface.	Phase 2	Support	TSPC_Feat_DTE_DCE

9	ISDN "S" Interface.	Phase 2	Not Support	TSPC_Feat_Sinterface
10	International Access Function.	Phase 2	Support	TSPC_Feat_IntAccess
11	Service Indicator.	Phase 2	Not Support	TSPC_Feat_ServInd
12	Autocalling restriction capabilities.	Phase 2	Not Support	TSPC_Feat_AutocallRestric
13	Dual Tone Multi Frequency function.	Phase 2	Not Support	TSPC_Feat_DTMF
14	Subscription Identity Management.	Phase 2	Not Support	TSPC_Feat_SIM
15	On/Off switch.	Phase 2	Support	TSPC_Feat_OnOff
16	Subaddress.	Phase 2	Not Support	TSPC_Feat_Subaddress
17	Support of Encryption A5/1.	Phase 2	Not Support	TSPC_Feat_A51
18	Support of Encryption A5/2.	Phase 2	Not Support	TSPC_Feat_A52
19	Short Message Service Cell Broadcast DRX.	Phase 2	Support	TSPC_Feat_SMS_CB_DRX
20	Abbreviated Dialling.	Phase 2	Not Support	TSPC_Feat_AD
21	Fixed Number Dialling.	Phase 2	Support	TSPC_Feat_FND
22	Barring of Outgoing Calls.	Phase 2	Support	TSPC_Feat_BO
23	DTMF Control Digits Separator.	Phase 2	Not Support	TSPC_Feat_DTMF_CDS
24	Selection of Directory No in Short Messages.	Phase 2	Support	TSPC_Feat_SM_Dir

Table A.2: Mobile Station Features

Item	Mobile Station Feature	Release	Support	Mnemonic
25	Last Numbers Dialled.	Phase 2	Support	TSPC_Feat_LND
26	At least one autocalling feature.	Phase 2	Not Support	TSPC_Feat_Autocall
27	Alphanumeric display.	Phase 2	Not Support	TSPC_Feat_Alphanum_Display
28	Other means of display.	Phase 2	Not Support	TSPC_Feat_Other_Means_of_Display
29	Speech indicator.	Phase 2	Not Support	TSPC_Feat_Speech_Indicator
30	Support of the extended Short message cell broadcast channel	R96	Not Support	TSPC_Ext_SMcell_BC
31	Support of Additional Call Set-up MMI Procedures	R96	Support	TSPC_AddCall_Su_MMi_Proc
32	Network Identity and Timezone	R96	Support	TSPC_Feat_NID_Timezone
33	Ciphering Indicator	Phase 2 (R96)	Not Support	TSPC_Feat_Ciphering
34	Network's indication of alerting in the MS $(NI Alert in MS)$	R96	Support	TSPC_Feat_NI_AlertinMS
35	ME-SIM lock	R96	Support	TSPC_SIM_Lock
36	Service Dialling Numbers	R96	Support	TSPC_Service_No
37	Extended timing advance	R99	Support	TSPC_Feat_Ext_TA
38	Support of SoLSA	R98	Not Support	TSPC_SoLSA
39	Audible Indication of Service Tones	R96	Support	TSPC_Feat_audible_tone

40	Autocalling_Cause 27 Implemented in Cat 3	Phase 2	Not Support	TSPC_Feat_Cause27Cat3
41	Support of GPRS	R97	Support	TSPC_GPRS
42	Support of EGPRS	R99	Not Support	TSPC_EGPRS
43	Support of GPRS Encryption	R98	Support	TSPC_GPRS_Encryp
44	Control of Supplementary Services	Phase 2	Not Support	TSPC_Control_SS
45	Short message	Phase 2	Not Support	TSPC_Supp_SM
46	Emergency calls capabilities	Phase 2	Not Support	TSPC_Emergency_call_cap
47	GPRS operation mode class A	R97	Not Support	TSPC_operation_mode_A
48	GPRS operation mode class B	R97	Support	TSPC_operation_mode_B
Table A.2: Mobile Station Features				
Item	**Mobile Station Feature**	**Release**	**Support**	**Mnemonic**
49	GPRS operation mode class C	R97	Not Support	TSPC_operation_mode_C
50	MS supporting SMS over GPRS	R99	Not Support	TSPC_SMS_over_GPRS
51	void		Not Support	
52	Support of GSM-CTS	R98	Not Support	TSPC_GSM_CTS
53	Support of ECSD	R99	Not Support	TSPC_ECSD
54	GPRS test mode A	R97	Support	TSPC_GPRS_Testmode_A
55	GPRS test mode B	R97	Support	TSPC_GPRS_Testmode_B
56	EGPRS test mode		Support	TSPC_EGPRS_Testmode
57	Support of MS-Assisted E-OTD	R98	Not Support	TSPC_EOTD_ASSIST
58	Non-zero value of Non_DRX_Timer	R97	Not Support	TSPC_non_zero_Non_DRX_Timer
59	Support of MS-Based GPS	R98	Not Support	TSPC_A-GPS_Based
60	Support of MS-Assisted GPS	R98	Not Support	TSPC_A-GPS_Assist
61	Privacy Option Supported	R98	Not Support	TSPC_PRIVACY
62	Support of DTM	R99	Not Support	TSPC_DTM
63	Support MS Assisted EOTD Performance for GMSK	R98	Not Support	TSPC_EOTD_ASSIST AND TSPC_PERF_GMSK
64	Support MS Assisted EOTD Performance for 8PSK	R99	Not Support	TSPC_EOTD_ASSIST AND TSPC_PERF_8PSK
65	Support of EGPRS Packet Access enhancement	R99 only	Not Support	TSPC_EGPRS_ENHANC
66	Support of Network Assisted Cell Change	Rel-4	Not Support	TSPC_NACC
67	Support of MT SMS over GPRS	R99	Not Support	TSPC_MT_SMS_over_GPRS
68	Support of Extended Uplink TBF	Rel-4	Not Support	TSPC_MT_EXT_UL_TBF
Table A.3: Teleservices				

Item	Teleservice	Release	Support	Mnemonic
1	Telephony.	Phase 2	Support	TSPC_Serv_TS11
2	Emergency Call.	Phase 2	Support	TSPC_Serv_TS12
3	Short Message MT/PP.	Phase 2	Support	TSPC_Serv_TS21
4	Short Message MO/PP.	Phase 2	Support	TSPC_Serv_TS22
5	SMS Cell Broadcast.	Phase 2	Support	TSPC_Serv_TS23
Table A.3: Teleservices				
Item	**Teleservice**	**Release**	**Support**	**Mnemonic**
6	Teleservice Alternate Speech and G3 fax.	Phase 2	Support	TSPC_Serv_TS61
7	Teleservice Automatic G3 fax.	Phase 2	Support	TSPC_Serv_TS62
8	Voice Group Call Service (VGCS)	R96	Not Support	TSPC_Serv_TS91
9	Voice Broadcast Service (VBS)	R96	Not Support	TSPC_Serv_TS92
10	SMS description	R96	Not Support	TSPC_SMS_description
Table A.4: Bearer Services				
Item	**Bearer Service**	**Release**	**Support**	**Mnemonic**
1	Data circuit duplex async. 300 bit/s.	Phase 2	Support	TSPC_Serv_BS21
2	Data circuit duplex async. 1 200 bit/s.	Phase 2	Support	TSPC_Serv_BS22
3	Data circuit duplex async. 1 200/75 bit/s.	Phase 2	Not Support	TSPC_Serv_BS23
4	Data circuit duplex async. 2 400 bit/s.	Phase 2	Support	TSPC_Serv_BS24
5	Data circuit duplex async. 4 800 bit/s.	Phase 2	Support	TSPC_Serv_BS25
6	Data circuit duplex async. 9 600 bit/s.	Phase 2	Support	TSPC_Serv_BS26
7	Data circuit duplex sync. 1 200 bit/s.	Phase 2	Not Support	TSPC_Serv_BS31
8	Data circuit duplex sync. 2 400 bit/s.	Phase 2	Not Support	TSPC_Serv_BS32
9	Data circuit duplex sync. 4 800 bit/s.	Phase 2	Not Support	TSPC_Serv_BS33
10	Data circuit duplex sync. 9 600 bit/s.	Phase 2	Not Support	TSPC_Serv_BS34
11	PAD Access 300 bit/s.	Phase 2	Not Support	TSPC_Serv_BS41
12	PAD Access 1 200 bit/s.	Phase 2	Not Support	TSPC_Serv_BS42
13	PAD Access 1 200/75 bits/s.	Phase 2	Not Support	TSPC_Serv_BS43
14	PAD Access 2 400 bit/s.	Phase 2	Not Support	TSPC_Serv_BS44
15	PAD Access 4 800 bit/s.	Phase 2	Not Support	TSPC_Serv_BS45
16	PAD Access 9 600 bit/s.	Phase 2	Not Support	TSPC_Serv_BS46

17	Packet Access 2 400 bit/s.	Phase 2	Not Support	TSPC_Serv_BS51
Table A.4: Bearer Services				
Item	**Bearer Service**	**Release**	**Support**	**Mnemonic**
18	Packet Access 4 800 bit/s.	Phase 2	Not Support	TSPC_Serv_BS52
19	Packet Access 9 600 bit/s.	Phase 2	Not Support	TSPC_Serv_BS53
20	Alternate Speech/Data.	Phase 2	Not Support	TSPC_Serv_BS61
21	Speech Followed by Data.	Phase 2	Not Support	TSPC_Serv_BS81
22	GPRS	R97	Support	TSPC_Serv_BS70
Table A.5: Supplementary Services				
	-- TSPC_ AddInfo_SS (3GPP TS 02.04 4, 3GPP TS 02.07 B.2.1, (3GPP TS 22.004 4)).	Prerequisite	A. 25/29	
Item	**Supplementary Service**	**Release**	**Support**	**Mnemonic**
1	Calling Line Identification Presentation.	Phase 2	Not Support	TSPC_Serv_SS_CLIP
2	Calling Line Identification Restriction.	Phase 2	Not Support	TSPC_Serv_SS_CLIR
3	Connected Line Identification Presentation.	Phase 2	Not Support	TSPC_Serv_SS_COLP
4	Connected Line Identification Restriction.	Phase 2	Not Support	TSPC_Serv_SS_COLR
5	Call Forwarding Unconditional.	Phase 2	Not Support	TSPC_Serv_SS_CFU
6	Call Forwarding on Mobile Subscriber Busy.	Phase 2	Not Support	TSPC_Serv_SS_CFB
7	Call Forwarding on No Reply.	Phase 2	Not Support	TSPC_Serv_SS_CFNRy
8	Call Forwarding on Mobile Subscriber Not Reachable.	Phase 2	Not Support	TSPC_Serv_SS_CFNRc
9	Call Waiting.	Phase 2	Not Support	TSPC_Serv_SS_CW
10	Call Hold.	Phase 2	Not Support	TSPC_Serv_SS_HOLD
11	Multi Party Service.	Phase 2	Not Support	TSPC_Serv_SS_MPTY
12	Closed User Group.	Phase 2	Not Support	TSPC_Serv_SS_CUG
13	Advice of Charge (Information).	Phase 2	Not Support	TSPC_Serv_SS_AoCI
14	Advice of Charge (Charging).	Phase 2	Not Support	TSPC_Serv_SS_AoCC
Table A.5: Supplementary Services				
Item	**Supplementary Service**	**Release**	**Support**	**Mnemonic**

15	Barring of All Outgoing Calls.	Phase 2	Support	TSPC_Serv_SS_BAOC
16	Barring of Outgoing International Calls.	Phase 2	Support	TSPC_Serv_SS_BOIC
17	Barring of Outgoing International Calls except those directed to the Home PLMN Country.	Phase 2	Support	TSPC_Serv_SS_BOICexHC
18	Barring of All Incoming Calls.	Phase 2	Support	TSPC_Serv_SS_BAIC
19	Barring of Incoming Calls when Roaming Outside the Home PLMN Country.	Phase 2	Support	TSPC_Serv_SS_BICRoam
20	Unstructured SS Data.	Phase 2	Support	TSPC_Serv_SS_unstruct
21	enhanced Multi-Level Precedence and Pre-emption service (eMLPP)	R96	Not Support	TSPC_Serv_SS_eMLPP
22	Call Deflection	R96	Not Support	TSPC_Serv_SS_CD
23	User-to-User signalling	R96	Support	TSPC_Serv_SS_UUS
24	Explicit Call Transfer	R96	Support	TSPC_Serv_SS_ECT
25	Implicit UUS1	R96	Not Support	TSPC_Serv_SS_ImpUUS1
26	Sending of implicit UUS1 in the ALERTING message	R98	Not Support	TSPC_Serv_SS_Send_UUS1_ALERTING
27	Sending of implicit UUS1 in the CONNECT message	R98	Not Support	TSPC_Serv_SS_Send_UUS1_CONNECT
28	Follow Me	R99	Not Support	TSPC_Serv_SS_FollowMe
29	User-to-Dispatcher Information	Release 4	Not Support	TSPC_Serv_UTDI
30	Compressed User-to-Dispatcher	Release 4	Not Support	TSPC_Serv_Compr_UTDI
31	Completion of Calls to Busy SS	R97	Not Support	TSPC_CCBS_SS
32	Completion of Calls to Busy Requests	R97	Not Support	TSPC_CCBS_Req
33	Support of Private Numbering Plan SS	R97	Not Support	TSPC_SPNP_SS
34	Support of Private Numbering Plan, Numbering Plans	R97	Not Support	TSPC_Num_plans
35	Name Identification SS	R97	Not Support	TSPC_CNAP

Table A.6: Groups for possible bearer capabilities

Item	Bearer Capability Group	Release	Support	Mnemonic
1	Bearer Service 21(20) .. 26, unrestricted digital information	Phase 2	Support	TSPC_BS2x_UDI

	transfer capability.			
2	Bearer Service 21(20) .. 26, 3.1 kHz audio ex-PLMN information transfer capability.	Phase 2	Support	TSPC_BS2x_3.1kHz
3	Bearer Service 31(30) .. 34, unrestricted digital information transfer capability; Non-X.32 Cases (BS 31 .. BS 34).	Phase 2	Not Support	TSPC_BS3x_UDI_nonX.32
4	Bearer Service 31(30) .. 34, unrestricted digital information transfer capability; X.32 Cases.	Phase 2 (R96)	Not Support	TSPC_BS3x_UDI_X.32
5	Bearer Service 31(30) .. 34, 3.1 kHz audio ex-PLMN information transfer capability; Non-X.32 Cases.	Phase 2 (R96)	Support	TSPC_BS3x_3.1kHz_nonX.32
6	Bearer Service 31(30) .. 34, 3.1 kHz audio ex-PLMN information transfer capability; X.32 Cases.	Phase 2 (R96)	Not Support	TSPC_BS3x_3.1kHz_X.32
7	Bearer Service 41(40)..46, PAD Access Asynchronous.	Phase 2 (R96)	Not Support	TSPC_BS4x_PAD
8	Bearer Service 51(50)..53, Data Packet Duplex Synchronous.	Phase 2 (R96)	Not Support	TSPC_BS5x_Packet
9	Bearer Service 61, Alternate Speech/Data, "Speech".	Phase 2	Not Support	TSPC_BS61_Speech

Table A.6: Groups for possible bearer capabilities

Item	Bearer Capability Group	Release	Support	Mnemonic
10	Bearer Service 61, Alternate Speech/Data, .3.1 kHz audio ex-PLMN information transfer capability; Asynchronous.	Phase 2	Not Support	TSPC_BS61_3.1kHz_Async
11	Bearer Service 61, Alternate Speech/Data, .3.1 kHz audio ex-PLMN information transfer capability; Synchronous.	Phase 2	Not Support	TSPC_BS61_3.1kHz_Sync
12	Bearer Service 81, Speech followed by Data, "Speech".	Phase 2	Not Support	TSPC_BS81_Speech

13	Bearer Service 81, Speech followed by Data, .3.1 kHz audio ex-PLMN information transfer capability; Asynchronous.	Phase 2	Not Support	TSPC_BS81_3.1kHz_Async
14	Bearer Service 81, Speech followed by Data, .3.1 kHz audio ex-PLMN information transfer capability; Synchronous.	Phase 2	Not Support	TSPC_BS81_3.1kHz_Sync
15	Teleservice 11..12, Speech.	Phase 2	Support	TSPC_TS1x_Speech
16	Teleservice 61, Alternate Speech and Facsimile group 3; "Speech".	Phase 2	Not Support	TSPC_TS61_Speech
17	Teleservice 61, Alternate Speech and Facsimile group 3; Facsimile group 3.	Phase 2	Support	TSPC_TS61_G3FAX
18	Teleservice 62,Automatic Facsimile group 3	Phase 2	Support	TSPC_TS62_G3FAX
Table A.7: Bearer Service 20..26, UDI/RDI				
	-- BS2x_UDI (diagram in 3GPP TS 07.01 B.1.2.1 (3GPP TS 27.001 B.1.2.1)).	Prerequisite:	A. 6/1	
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
1	Signaling Access Protocol	Phase 2	I.440	I.440,X.28nond
Table A.7: Bearer Service 20..26, UDI/RDI				
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
2	Connection Element (CE).	Phase 2	Not Support	NT, bothNT, T, bothT
3	User Info Layer 2 Protocol (UIL2P).	Phase 2	Not Support	ISO6429, COPnoFlCt, NAV
4	Number of Data Bits(NDB).	Phase 2	Not Support	7 bits, 8 bits
5	Parity Information (NPB).	Phase 2	Not Support	odd, even, 0, 1, none
6	Number of Stop Bits (NSB).	Phase 2	Not Support	1 bit, 2 bits
7	Radio Channel Requirement (RCR).	Phase 2	Not Support	dualHR, FR, dualFR
8	Intermediate Rate (IR).	Phase 2	Not Support	8 kbps, 16 kbps
9	User Rate (UR).	Phase 2	Not Support	0.3, 1.2, 2.4, 4.8, 9.6, 1.2/0.075
10	Fixed Network User Rate (FNUR)	R96	Not Support	9.6, 14.4, 19.2, 28.8, 38.4 48.56, NAV
11	Wanted Air Interface User Rate (WAIUR)	R96	Not Support	9.6, 14.4, 19.2, 28.8, 38.4, 43.2, 57.6, NAV
12	User Initiated Modification Indication (UIMI)	R96	Not Support	not req., upto1, upto2, upto3, upto4, NAV
13	Maximum number of Traffic Channels (MaxNumTCH)	R96	Not Support	1, 2, 3, 4, NAV

10a	all allowed combinations according to 3GPP TS 07.01 B.1.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description).		YES	
Table A.8: Bearer Service 20..26, 3.1 kHz				
	-- BS2x_3.1kHz (diagram in 3GPP TS 07.01 B.1.2.2 (3GPP TS 27.001 B.1.2.2)).	Prerequisite	A. 6/2	
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
1	Signalling Access Protocol (SAP).	Phase 2	Not Support	I.440, X.28nond
2	Connection Element (CE).	Phase 2	Not Support	NT, bothNT, T, bothT
3	User Info Layer 2 Protocol (UIL2P).	Phase 2	Not Support	ISO6429, COPnoFlCt, NAV
4	Number of Data Bits (NDB).	Phase 2	Not Support	7 bits, 8 bits
5	Parity Information (NPB).	Phase 2	Not Support	odd, even, 0, 1, none
6	Number of Stop Bits (NSB).	Phase 2	Not Support	1 bit, 2 bits
Table A.8: Bearer Service 20..26, 3.1 kHz				
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
7	Radio Channel Requirement (RCR).	Phase 2	Not Support	dualHR, FR, dualFR
8	Intermediate Rate (IR).	Phase 2	Not Support	8 kbps, 16 kbps
9	User Rate (UR).	Phase 2	Not Support	0.3, 1.2, 2.4, 4.8, 9.6, 1.2/0.075
10	Modem Type (MT).	Phase 2	Not Support	V.21, V.22, V.22bis, V.26ter V.32, V.23, auto
11	Fixed Network User Rate (FNUR)	R96	Not Support	9.6, 14.4, 19.2, 28.8, NAV
12	Wanted Air Interface User Rate (WAIUR)	R96	Not Support	9.6, 14.4, 19.2, 28.8, 38.4, 43.2
13	Acceptable channel codings (ACC)	R96	Not Support	4.8, 9.6, 14.4, NAV
14	User Initiated Modification Indication (UIMI)	R96	Not Support	not req., upto1, upto2, upto3, upto4, NAV
15	Maximum number of Traffic Channels (MaxNumTCH)	R96	Not Support	1, 2, 3, 4, NAV
11a	all allowed combinations according to 3GPP TS 07.01 B.1.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description).		NO	
Table A.9: Bearer Service 30..34, UDI, Non-X.32				

	-- BS3x_UDI_nonX.32 (diagram in 3GPP TS 07.01 B.1.3.1.1 (3GPP TS 27.001 B.1.3.1.1)).	Prerequisite	A. 6/3	
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
1	Signalling Access Protocol (SAP).	Phase 2	Not Support	I.440, X.21
2	Radio Channel Requirement (RCR).	Phase 2	Not Support	dualHR, FR, dualFR
3	Intermediate Rate (IR).	Phase 2	Not Support	8 kbps, 16 kbps
4	User Rate (UR).	Phase 2	Not Support	1.2, 2.4, 4.8, 9.6
5	Fixed Network User Rate (FNUR)	R96	Not Support	9.6, 14.4, 19.2, 28.8, 38.4, 48, 56, NAV
Table A.9: Bearer Service 30..34, UDI, Non-X.32				
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
6	Acceptable channel codings (ACC)	R96	Not Support	4.8, 9.6, 14.4, NAV
7	Maximum number of Traffic Channels (MaxNumTCH)	R96	Not Support	1, 2, 3, 4, NAV
5a	all allowed combinations according 3GPP TS 07.01 A2 1.3.1.1 (3GPP TS 27.001) implemented (if not, provide detailed description).		NO	
Table A.10: Bearer Service 30..34, UDI, X-32				
	-- BS3x_UDI_X.32 (diagram in 3GPP TS 07.01 B.1.3.1.2 (3GPP TS 27.001 B.1.3.1.2)).	Prerequisite	A. 6/4	
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
1	Radio Channel Requirement (RCR).	Phase 2	Not Support	dualHR, FR, dualFR
2	Intermediate Rate (IR).	Phase 2	Not Support	8 kbps, 16 kbps
3	User Rate (UR).	Phase 2	Not Support	2.4, 4.8, 9.6
4	User Info Layer 2 Protocol (UIL2P).	Phase 2 (R96)	Not Support	X.25, (X.75)
5	Rate Adaptation (RA)	Phase 2 (R96)	Not Support	X.31Flag, (V.120)
6	Fixed Network User Rate (FNUR)	R96	Not Support	9.6, 14.4, 19.2, 28.8, 38.4, 48, 56, NAV
7	Wanted Air Interface User Rate	R96	Not Support	9.6, 14.4, 19.2, 28.8, 38.4, 43.2, 57, NAV

	(WAIUR)			
8	User Initiated Modification Indication (UIMI)	R96	Not Support	not req., upto1, upto2, upto3, upto4, NAV
9	Acceptable channel codings (ACC)	R96	Not Support	4.8, 9.6, 14.4, NAV
10	Maximum number of Traffic Channels (MaxNumTCH)	R96	Not Support	1, 2, 3, 4, NAV
Table A.10: Bearer Service 30..34, UDI, X-32				
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
4a	all allowed combinations according to 3GPP TS 07.01 B.1.3.1.2 (3GPP TS 27.001) implemented (if not, provide detailed description).		NO	
Table A.10a: Bearer Service 30..34, UDI, 48 kbps and 56 kbps bit transparent				
	-- BS3x_UDI_X.32[tbd] (diagram in3GPP TS 07.01 B.1.3.1.4 (3GPP TS 27.001 B.1.3.1.4)).	Prerequisite	A. 6/4	
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
1	Signalling Access Protocol (SAP).	Phase 2	Not Support	I.440, X.21
2	Fixed Network User Rate (FNUR)	R96	Not Support	48, 56
3	all allowed combinations according to 3GPP TS 07.01 B.1.3.1.4 (3GPP TS 27.001) implemented (if not, provide detailed description).		NO	
Table A.10b: Bearer Service 30..34, UDI, 64 kbps bit transparent				
	-- BS3x_UDI_X.32[tbd] (diagram in 3GPP TS 07.01 B.1.3.1.5 (3GPP TS 27.001 B.1.3.1.5)).	Prerequisite	A. 6/4	
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
1	Signalling Access Protocol (SAP).	Phase 2	Not Support	I.440, X.21
2	Acceptable channel codings (ACC)	R96	Not Support	9.6, 14.4
3	Maximum number of Traffic Channels (MaxNumTCH)	R96	Not Support	5, 6

4	all allowed combinations according to 3GPP TS 07.01 B.1.3.1.5 implemented		NO	
Table A.11: Bearer Service 30..34, 3.1 kHz, Non-X-32				
	-- BS3x_3.1kHz_nonX.32 (diagram in 3GPP TS 07.01 B.1.3.2.1 (3GPP TS 27.001 B.1.3.2.1)).	Prerequisite	A. 6/5	
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
1	Radio Channel Requirement (RCR).	Phase 2	Not Support	dualHR, FR, dualFR
2	Intermediate Rate (IR).	Phase 2	Not Support	8 kbps, 16 kbps
3	User Rate (UR).	Phase 2	Not Support	1.2, 2.4, 4.8, 9.6
4	Modem Type (MT).	Phase 2	Not Support	V.22, V.22bis, V.26ter, V.32
5	Other Modem Type (OMT)	R96	Not Support	no other MT, V.34, NAV
6	Fixed Network User Rate (FNUR)	R96	Not Support	9.6, 14.4, 19.2, 28.8, NAV
7	Acceptable channel codings (ACC)	R96	Not Support	4.8, 9.6, 14.4, NAV
8	Maximum number of Traffic Channels (MaxNumTCH)	R96	Not Support	1, 2, 3, 4, NAV
5a	all allowed combinations according to 3GPP TS 07.01 B.1.3.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description).		NO	
Table A.12: Bearer Service 30..34, 3.1kHz, X-32				
	-- BS3x_3.1kHz_X.32 (diagram in 3GPP TS 07.01 B.1.3.2.2 (3GPP TS 27.001 B.3.2.2)).	Prerequisite	A. 6/6	
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
1	Connection Element (CE).	Phase 2	Not Support	NT, bothNT, T, bothT
2	Radio Channel Requirement (RCR).	Phase 2	Not Support	dualHR, FR, dualFR
3	Intermediate Rate (IR).	Phase 2	Not Support	8 kbps, 16 kbps
4	User Rate (UR).	Phase 2	Not Support	2.4, 4.8, 9.6
5	Modem Type (MT).	Phase 2	Not Support	V.22bis, V.26ter, V.32
6	Other Modem Type (OMT)	R96	Not Support	no other MT, V.34, NAV
7	Fixed Network User Rate (FNUR)	R96	Not Support	9.6, 14.4, 19.2, 28.8, NAV
Table A.12: Bearer Service 30..34, 3.1kHz, X-32				
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
8	Wanted Air Interface User Rate (WAIUR)	R96	Not Support	9.6, 14.4, 19.2, 28.8, NAV

9	Acceptable channel codings (ACC)	R96	Not Support	4.8, 9.6, 14.4, NAV
10	User Initiated Modification Indication (UIMI)	R96	Not Support	not req., upto1, upto2, upto3, upto4, NAV
11	Maximum number of Traffic Channels (MaxNumTCH)	R96	Not Support	1, 2, 3, 4, NAV
6a	all allowed combinations according to 3GPP TS 07.01 B.1.3.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description).		NO	
Table A.13: Bearer Service 40..46, PAD Access				
	-- BS4x_PAD (diagram in 3GPP TS 07.01 B.1.4 (3GPP TS 27.001 B.1.4)).	Prerequisite	A. 6/7	
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values**
1	Connection Element (CE).	Phase 2	Not Support	NT, bothNT, T, bothT
2	User Info Layer 2 Protocol (UIL2P).	Phase 2	Not Support	ISO6429, COPnoFlCt, NAV
3	Number of Data Bits(NDB).	Phase 2	Not Support	7 bits, 8 bits
4	Parity Information (NPB).	Phase 2	Not Support	odd, even, 0, 1, none
5	Number of Stop Bits (NSB).	Phase 2	Not Support	1 bit, 2 bits
6	Radio Channel Requirement (RCR).	Phase 2	Not Support	dualHR, FR, dualFR
7	Intermediate Rate (IR).	Phase 2	Not Support	8 kbps, 16 kbps
8	User Rate (UR).	Phase 2	Not Support	0.3, 1.2, 2.4, 4.8, 9.6, 1.2/0.075
9	Fixed Network User Rate (FNUR)	R96	Not Support	9.6, 14.4, 19.2, 28.8, 38.4, 48, 56, NAV
10	Wanted Air Interface User Rate (WAIUR)	R96	Not Support	9.6, 14.4, 19.2, 28.8, 38.4, 43.2, 57.6, NAV
11	Acceptable channel codings (ACC)	R96	Not Support	4.8, 9.6, 14.4, NAV
Table A.13: Bearer Service 40..46, PAD Access				
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values**
12	User Initiated Modification Indication (UIMI)	R96	Not Support	not req., upto1, upto2, upto3, upto4, NAV

13	Maximum number of Traffic Channels (MaxNumTCH)	R96	Not Support	1, 2, 3, 4, NAV
9a	all allowed combinations according to 3GPP TS 07.01 B.1.4 (3GPP TS 27.001) implemented (if not, provide detailed description).		NO	
Table A.14: Bearer Service 50..53, Data Packet Duplex Synchronous				
	-- BS5x_Packet (diagram in 3GPP TS 07.01 B.1.5 (3GPP TS 27.001 B.1.5)).	Prerequisite	A. 6/8	
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
1	Radio Channel Requirement (RCR).	Phase 2	Not Support	dualHR, FR, dualFR
2	Intermediate Rate (IR).	Phase 2	Not Support	8 kbps, 16 kbps
3	User Rate (UR).	Phase 2	Not Support	0.3, 1.2, 2.4, 4.8, 9.6, 1.2/0.075
4	Fixed Network User Rate (FNUR)	R96	Not Support	9.6, 14.4, 19.2, 28.8, 38.4, 48, 56, NAV
5	Wanted Air Interface User Rate (WAIUR)	R96	Not Support	9.6, 14.4, 19.2, 28.8, 38.4, 43.2, 57.6, NAV
6	Acceptable channel codings (ACC)	R96	Not Support	4.8, 9.6, 14.4, NAV
7	User Initiated Modification Indication (UIMI)	R96	Not Support	not req., upto1, upto2, upto3, upto4, NAV
8	Maximum number of Traffic Channels (MaxNumTCH)	R96	Not Support	1, 2, 3, 4, NAV
4a	all allowed combinations according to 3GPP TS 07.01 B.1.5 (3GPP TS 27.001) implemented (if not, provide detailed description).		NO	
Table A.15: Bearer Service 61, Alternate Speech/Data, "Speech"				
	-- BS61_Speech (diagram in 3GPP TS 07.01 B.1.6.1 (3GPP TS 27.001 B.1.6.1)).	Prerequisite	A. 6/9	
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
1	Radio Channel Requirement	Phase 2	Not Support	dualHR, FR, dualFR
Table A.16: Bearer Service 61, Alternate Speech/Data, 3.1kHz, Async				
	-- BS61_3.1kHz_Async (diagram in 3GPP TS 07.01 B.1.6.2.1 (3GPP TS 27.001 B.1.6.2.1)).	Prerequisite	A. 6/10	

Item	Bearer Capability Elements	Release	Support	Values Allowed
1	Connection Element (CE).	Phase 2	Not Support	NT, bothNT, T, bothT
2	User Info Layer 2 Protocol (UIL2P).	Phase 2	Not Support	ISO6429, COPnoFlCt, NAV
3	Number of Data Bits (NDB).	Phase 2	Not Support	7 bits, 8 bits
4	Parity Information (NPB).	Phase 2	Not Support	odd, even, 0, 1, none
5	Number of Stop Bits (NSB).	Phase 2	Not Support	1 bit, 2 bits
6	Radio Channel Requirement (RCR).	Phase 2	Not Support	dualHR, FR, dualFR
7	Intermediate Rate (IR).	Phase 2	Not Support	8 kbps, 16 kbps
8	User Rate (UR).	Phase 2	Not Support	0.3, 1.2, 2.4, 4.8, 9.6, 1.2/0.075
9	Modem Type (MT).	R96	Not Support	V.21, V.22, V.22bis, V.26ter V.32, V.23, auto1
10	all allowed combinations according to 3GPP TS 07.01 B.1.6.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description).		NO	
Table A.17: Bearer Service 61, Alternate Speech/Data, 3.1kHz, Sync				
	-- BS61_3.1kHz_Sync (diagram in 3GPP TS 07.01 B.1.6.2.2 (3GPP TS 27.001 B.1.6.2.2)).	Prerequisite	A. 6/11	
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
1	Radio Channel Requirement (RCR).	Phase 2	Not Support	dualHR, FR, dualFR
Table A.17: Bearer Service 61, Alternate Speech/Data, 3.1kHz, Sync				
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
2	Intermediate Rate (IR).	Phase 2	Not Support	8 kbps, 16 kbps
3	User Rate (UR).	Phase 2	Not Support	1.2, 2.4, 4.8, 9.6
4	Modem Type (MT).	R96	Not Support	V.22, V.22bis, V.26ter, V.32
5	all allowed combinations according to 3GPP TS 07.01 B.1.6.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description).		NO	
Table A.18: Bearer Service 81, Speech followed by Data, "Speech"				
	-- BS81_Speech (diagram in 3GPP TS 07.01 B.1.7.1 (3GPP TS 27.001 B.1.7.1)).	Prerequisite	A. 6/12	
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
1	Radio Channel Requirement	Phase 2	Not Support	dualHR, FR, dualFR

	(RCR).			
Table A.19: Bearer Service 81, Speech followed by Data, 3.1kHz, Async				
	-- BS81_3.1kHz_Async (diagram in 3GPP TS 07.01 B.1.7.2.1 (3GPP TS 27.001 B.1.7.2.1)).	Prerequisite	A. 6/13	
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
1	Connection Element (CE).	Phase 2	Not Support	NT, bothNT, T, bothT
2	User Info Layer 2 Protocol (UIL2P).	Phase 2	Not Support	ISO6429, COPnoFlCt, NAV
3	Number of Data Bits(NDB).	Phase 2	Not Support	7 bits, 8 bits
4	Parity Information (NPB).	Phase 2	Not Support	odd, even, 0, 1, none
5	Number of Stop Bits (NSB).	Phase 2	Not Support	1 bit, 2 bits
6	Radio Channel Requirement (RCR).	Phase 2	Not Support	dualHR, FR, dualFR
7	Intermediate Rate (IR).	Phase 2	Not Support	8 kbps, 16 kbps
8	User Rate (UR).	Phase 2	Not Support	0.3, 1.2, 2.4, 4.8, 9.6, 1.2/0.075
9	Modem Type (MT).	R96	Not Support	V.21, V.22, V.22bis, V.26ter V.32, V.23, auto1
Table A.19: Bearer Service 81, Speech followed by Data, 3.1kHz, Async				
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
10	all allowed combinations according to 3GPP TS 07.01 B.1.7.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description).		NO	
Table A.20: Bearer Service 81, Speech followed by Data, 3.1kHz, Sync				
	-- BS81_3.1kHz_Sync (diagram in 3GPP TS 07.01 B.1.7.2.2 (3GPP TS 27.001 B.1.7.2.2)).	Prerequisite	A. 6/14	
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
1	Radio Channel Requirement (RCR).	Phase 2	Not Support	dualHR,FR, dualFR
2	Intermediate Rate (IR).	Phase 2	Not Support	8 kbps, 16 kbps
3	User Rate (UR).	Phase 2	Not Support	1.2, 2.4, 4.8, 9.6
4	Modem Type (MT).	R96	Not Support	V.22, V.22bis, V.26ter, V.32
5	all allowed combinations according 3GPP TS 07.01 B.1.7.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description).		NO	
Table A.21:Teleservice 11..12, Speech				
	-- TS1x_Speech (diagram in	Prerequisite	A. 6/15	

	3GPP TS 07.01 B.1.8 (3GPP TS 27.001 B.1.8)).			
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
1	Radio Channel Requirement (RCR).	Phase 2	Not Support	dualHR, FR, dualFR
Table A.22: Alternate Speech and Facsimile group 3, Speech				
	-- TS61_Speech (diagram in 3GPP TS 07.01 B.1.10.1 (3GPP TS 27.001 B.1.10.1)).	Prerequisite	A. 6/16	
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
1	Radio Channel Requirement	Phase 2	Not Support	dualHR, FR, dualFR
Table A.23: Alternate Speech and Facsimile group 3, Facsimile group 3				
	-- TS61_G3FAX (diagram in 3GPP TS 07.01 B.1.10.2 (3GPP TS 27.001 B.1.10.2)).	Prerequisite	A. 6/17	
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
1	Connection Element (CE).	Phase 2	Not Support	NT, bothNT, T, bothT
2	User Info Layer 2 Protocol (UIL2P).	Phase 2	Not Support	X.25 NAV
3	Intermediate Rate (IR).	Phase 2	Not Support	8 kbps, 16 kbps
4	User Rate (UR).	Phase 2	Not Support	2.4, 4.8, 9.6,
5	all allowed combinations according 3GPP TS 07.01 B.1.10.2 (3GPP TS 27.001) implemented (if not, provide detailed description).		NO	
Table A.24: Teleservice 62, Automatic G3 fax				
	-- Serv_TS62 (diagram in 3GPP TS 07.01 B.1.11 (3GPP TS 27.001 B.1.11)).	Prerequisite	A. 3/7	
Item	**Bearer Capability Elements**	**Release**	**Support**	**Values Allowed**
1	Connection Element (CE).	Phase 2	Not Support	NT, bothNT, T, bothT
2	User Info Layer 2 Protocol (UIL2P).	Phase 2	Not Support	X.25 NAV
3	Intermediate Rate (IR).	Phase 2	Not Support	8 kbps, 16 kbps
4	User Rate (UR).	Phase 2	Not Support	2.4, 4.8, 9.6

5	all allowed combinations according to 3GPP TS 07.01 B.1.11 (3GPP TS 27.001, annex B) implemented (if not, provide detailed description).		NO	

Table A.25: Additional Information

Item	Additional Information	Release	Support	Mnemonic
1	at least one half rate service.	Phase 2	Support	TSPC_AddInfo_HalfRate

Table A.25: Additional Information

Item	Additional Information	Release	Support	Mnemonic
2	Speech supported for Full rate version 1 (GSM FR).	Phase 2	Support	TSPC_AddInfo_Full_rate_version_1
3	Speech supported for Half rate version 1 (GSM HR).	Phase 2	Support	TSPC_AddInfo_Half_rate_version_1
4	at least one data service.	Phase 2	Support	TSPC_ AddInfo_DataSvc
5	at least one full rate data service.	Phase 2	Support	TSPC_AddInfo_FullRateData
6	at least one half rate data service.	Phase 2	Not Support	TSPC_ AddInfo_HalfRateData
7	at least one non transparent data service.	Phase 2	Support	TSPC_AddInfo_NonTransData
8	at least one transparent data service.	Phase 2	Support	TSPC_AddInfo_TransData
9	only transparent data service	Phase 2	Not Support	TSPC_AddInfo_TranspDataOnly
10	at least one asynchronous data service.	Phase 2	Support	TSPC_AddInfo_AsyncData
11	at least one asynchronous non transparent data service.	Phase 2	Support	TSPC_AddInfo_AsyncNonTransData
12	2.4 k full rate data mode.	Phase 2	Support	TSPC_ AddInfo_24DataF
13	2.4 k half rate data mode.	Phase 2	Not Support	TSPC_ AddInfo_24DataH
14	4.8 k full rate data mode.	Phase 2	Support	TSPC_ AddInfo_48DataF
15	4.8 k half rate data mode.	Phase 2	Not Support	TSPC_ AddInfo_48DataH
16	9.6 k full rate data mode.	Phase 2	Support	TSPC_ AddInfo_96Data
17	non transparent service with full rate channel at a user rate of 4.8 kbit/s.	Phase 2	Not Support	TSPC_AddInfo_fullRate4.8
18	at least one bearer capability.	Phase 2	Support	TSPC_ AddInfo_BC
19	at least one MT circuit switched basic service.	Phase 2	Support	TSPC_ AddInfo_MTsvc
20	at least one MO circuit switched basic service.	Phase 2	Support	TSPC_ AddInfo_MOsvc
21	only SDCCH.	Phase 2	Not Support	TSPC_ AddInfo_SDCCHOnly

22	at least one service on traffic channel supported	Phase 2	Support	TSPC_ AddInfo_SvcOnTCH

Table A.25: Additional Information

Item	Additional Information	Release	Support	Mnemonic
23	dual rate ratio channel types (no relation to supported speech codecs).	Phase 2	Support	TSPC_ AddInfo_DualRate
24	only full rate radio channel type (no relation to supported speech codecs).	Phase 2	Not Support	TSPC_ AddInfo_FullRateOnly
25	at least one teleservice.	Phase 2	Support	TSPC_ AddInfo_TeleSvc
26	CC protocol for at least one BC.	Phase 2	Support	TSPC_Addinfo_CCprotocol_oneBC
27	only circuit switched basic service supported by the mobile is emergency call.	Phase 2	Not Support	TSPC_ AddInfo_EmgOnly
28	Fax Error Correction Mode.	Phase 2	Support	TSPC_AddInfo_FaxErrCorr
29	at least one supplementary service.	Phase 2	Support	TSPC_ AddInfo_SS
30	non call related supplementary service.	Phase 2	Support	TSPC_ AddInfo_NonCallSS
31	at least one short message service.	Phase 2	Support	TSPC_ AddInfo_SMS
32	(SMS) reply procedure.	Phase 2	Support	TSPC_ AddInfo_ReplyProc
33	replace SMS.	Phase 2	Support	TSPC_ AddInfo_ReplaceSMS
34	display of received SMS.	Phase 2	Support	TSPC_ AddInfo_DispRcvSMS
35	SMS status report capabilities.	Phase 2	Support	TSPC_AddInfo_SMSStatusRepCap
36	Storing of short messages in the SIM.	Phase 2	Support	TSPC_AddInfo_StoreRcvSMSSIM
37	Storing of short messages in the ME.	Phase 2	Not Support	TSPC_AddInfo_StoreRcvSMSME
38	detach on power down.	Phase 2	Support	TSPC_AddInfo_DetachOnPwrDn
39	detach on SIM remove.	Phase 2	Not Support	TSPC_AddInfo_DetachOnSIMRmv
40	SIM removable without power down.		Not Support	TSPC_ AddInfo_SIMRmv
41	ID-1 SIM.	Phase 2	Not Support	TSPC_AddInfo_ID1
42	Plug-In SIM.	Phase 2	Support	TSPC_AddInfo_PlugIn
43	Disable PIN feature.	Phase 2	Support	TSPC_AddInfo_DisablePin
44	PIN2 feature.	Phase 2	Support	TSPC_AddInfo_Pin2

Table A.25: Additional Information

Item	Additional Information	Release	Support	Mnemonic

45	Feature requiring entry of PIN2.	Phase 2	Support	TSPC_AddInfo_Pin2Feature
46	Chars 0-9, *, # supported	Phase 2	Support	TSPC_ AddInfo_BasCharSet
47	A, B, C, D chars. supported	Phase 2	Support	TSPC_AddInfo_AddCharSet
48	automatically enter automatic selection of PLMN mode.	Phase 2	Support	TSPC_AddInfo_AutoAutoMode
49	alerting indication to the user.	Phase 2	Support	TSPC_AddInfo_AlertInd
50	Appl. Layer is always running.	R98	Support	TSPC_AddInfo_ApplAlwaysRun
51	Immediate connect supported for all circuit switched basic services.	Phase 2	Not Support	TSPC_AddInfo_ImmConn
52	In-Call modification.	Phase 2	Not Support	TSPC_AddInfo_InCallMod
53	follow-on request procedure.	Phase 2	Support	TSPC_AddInfo_followOnReq
54	refusal of call.	Phase 2	Support	TSPC_AddInfo_RefusalCall
55	RF amplification.	Phase 2	Not Support	TSPC_AddInfo_RFAmp
56	Number of B-party number for autocalling is greater than the number of entries in the blacklist.	Phase 2	Not Support	TSPC_AddInfo_AutocallBnoGreaterM
57	Handset MS supporting speech.	Phase 2	Support	TSPC_AddInfo_SpeechHandset
58	MT2 Configuration.	Phase 2	Support	TSPC_AddInfo_MT2
59	MT2 Configuration or any other possibility to send data over Um interface.	Phase 2	Support	TSPC_AddInfo_MT2orOther
60	Permanent Antenna Connector.	Release 4	Support	TSPC_AddInfo_PermAntenna
61	Pseudo-synchronized handover supported.	Phase 2	Not Support	TSPC_AddInfo_PseudoSynch
62	5V only SIM/ME interface.	R96	Not Support	TSPC_AddInfo_5V
63	3V only SIM/ME interface.	R96	Not Support	TSPC_AddInfo_3V
64	3V/5V SIM/ME interface.	R96	Support	TSPC_AddInfo_3V5V
65	Speech supported for Full rate version 2 (GSM EFR).	Phase 2	Support	TSPC_AddInfo_Full_rate_version_2

Table A.25: Additional Information

Item	Additional Information	Release	Support	Mnemonic
66a	RLP supports non default parameters	Phase 2	Support	TSPC_AddInfo_NonDefaultRlpParam
66b	Support of listening to voice broadcast calls (VBS listening)	R 96	Not Support	TSPC_AddInfo_VBS_Listening
67	Support of originating voice broadcast call (VBS originating)	R 96	Not Support	TSPC_AddInfo_VBS_Originating
68	Support of listening to voice group calls (VGCS listening)	R96	Not Support	TSPC_AddInfo_VGCS_Listening

69	Support of talking in voice group calls (VGCS talking)	R96	Not Support	TSPC_AddInfo_VGCS_Talking
70	Support of originating voice group call (VGCS originating)	R96	Not Support	TSPC_AddInfo_VGCS_Originating
71	Support reduced NCH monitoring	R96	Not Support	TSPC_AddInfo_NCH_ReducedMonitor
72	14.4 k data mode	R 96	Support	TSPC_ AddInfo_144Data
73	Implementation of cause number 27 of busy autocalling in category 2	Phase 2	Not Support	TSPC_AddInfo_Impl_CNr27_Cat2
74	Implementation of cause number 27 of busy autocalling in category 3	Phase 2	Not Support	TSPC_AddInfo_Impl_CNr27_Cat3
75	Support of immediate connect	Phase 2	Not Support	TSPC_AddInfo_imm_Con
76	Artificial ear type 1	Phase 2 up to and including release 4	Not Support	TSPC_AddInfo_Ear_type1
77	Artificial ear type 3.2, Low leak option	Phase 2	Not Support	TSPC_AddInfo_Ear_type32_LL
78	Artificial ear type 3.4	R96	Not Support	TSPC_AddInfo_Ear_type34
79	Speech supported for Full rate version 3 (FR AMR).	R98	Not Support	TSPC_AddInfo_Full_rate_version_3

Table A.25: Additional Information

Item	Additional Information	Release	Support	Mnemonic
80	NCH monitoring in group receive mode	R 96	Not Support	TSPC_AddInfo_NCH_Monit_Rev
81	NCH monitoring in group transmit mode	R 96	Not Support	TSPC_AddInfo_NCH_Monit_Tra
82	NCH monitoring in dedicated mode	R 96	Not Support	TSPC_AddInfo_NCH_Monit_Ded
83	Support of one PDP context activation	R 97	Support	TSPC_AddInfo_1PDP_CA
84	Support of more than one PDP context activation	R 97	Support	TSPC_AddInfo_mor1PDP CA
85	Support of more than one PDP context activation simultaneously on the same SAPI	R 97	Support	TSPC_AddInfo_mor1PDP CA_SAPI
86	Support of GPRS data compression	R 97	Support	TSPC_AddInfo_GPRS_Data_Compr
87	Support of GPRS header compression	R 98	Support	TSPC_AddInfo_GPRS_Header_Compr

88	Support of Network requested PDP context activation	R 97	Support	TSPC_AddInfo_N_req_PDP_CA
89	Support for user settings of minimum QoS	R 97	Support	TSPC_ AddInfo_min_QoS
90	Automatic GPRS attach procedure at switch-on/power-on	R 97	Support	TSPC_AddInfo_on_auto_GPRS_AP
91	MMI controlled attach/detach procedures for non-GPRS services	R 97	Not Support	TSPC_AddInfo_MMI_contr_A/DProc_Non GPRS
92	Automatic attach procedure when MS identity cannot derived by the network	R 97	Support	TSPC_AddInfo_auto_AP_no_MS ID
93	Automatic MM IMSI attach procedure at switch-on/power-on	R98	Support	TSPC_AddInfo_auto_MM_IMSI_AP_on/off
94	Support of SIM Application Toolkit	R96	Support	TSPC_AddInfo_SIM_Appl_Toolkit
95	1,8V only SIM/ME interface.	R98	Not Support	TSPC_AddInfo_1,8V

Table A.25: Additional Information

Item	Additional Information	Release	Support	Mnemonic
96	1,8V/3V SIM/ME interface.	R98	Not Support	TSPC_AddInfo_1,8V3V
97	Multiple SM MO/PP on same RR link	Phase 2	Not Support	TSPC_AddInfo_MultSMsameRR
98	Support of stored list cell selection	Phase 2	Support	TSPC_AddInfo_StoredListCellSel
99	at least one service not support immediate connection	Phase 2	Support	TSPC_ AddInfo_NoimmConn
100	Void			
101	Void			
102	EFR_EmgCallSetup message contains the bearer capability	Phase 2	Not Support	TSPC_AddInfo_EFR_EmgCallBcap
103	Support of MonitorPCH_GroupTransmitMode	Phase 2	Not Support	TSPC_AddInfo_MonitorPCH_GroupTransmitMode
104	Integral_Antenna Connector	Release 4	Not Support	TSPC_AddInfo_IntegrAntenna
105	User requested combined GPRS and non-GPRS detached without powering off	R97	Not Support	TSPC_AddInfo_Comb_DP_no_pwr_off
106	User requested non-GPRS detached	R97	Not Support	TSPC_AddInfo_Usr_non_GPRS_DP
107	Artificial ear type 3.2, High leak option	Phase 2	Not Support	TSPC_AddInfo_Ear_type32_HL
108	Artificial ear type 3.3	R96	Not Support	TSPC_AddInfo_Ear_type33
109	Support of Multiple SMS	Phase2	Not Support	TSPC_Addinfo_MultSMS

110	Cell Reselection after T3184 Expiry	R97	Not Support	TSPC_Cell_Resel
111	GPRS attach attempted automatically due to outstanding request	R97	Not Support	TSPC_AddInfo_GPRS_Attach_Attempt_Outstanding
112	Speech supported for Half rate version 3 (HR AMR)	R98	Not Support	TSPC_AddInfo_Half_rate_version_3
113	AMR LoopBack Modes	R5	Not Support	TSPC_AMR_LoopBack
114	TTY services	R99	Not Support	TSPC_AddInfo_TTY
Table A.25: Additional Information				
Item	**Additional Information**	**Release**	**Support**	**Mnemonic**
115	Support of Secondary PDP Context Activation	R99	Not Support	TSPC_SEC_PDP_CONTEXT
116	Support of MO SMS Concatenation	Phase2	Not Support	TSPC_SMS_MO_CONCATENATION
117	Support of MT SMS Concatenation	Phase2	Not Support	TSPC_SMS_MT_CONCATENATION
118	NITZ Supported	R97	Not Support	TSPC_NITZ
119	Handling of Real Time (for NITZ)	R97	Not Support	TSPC_NITZ_Real_Time
120	Deletion of NITZ parameters supported	R97	Not Support	TSPC_NITZ_Parameters_Deletion
Table A.26.3: Proactive commands				
Item	**Proactive commands**	**Release**	**Support**	**Mnemonic**
1	Display Text	R96	Support	Pro_Display_Text
2	Get Inkey	R96	Support	Pro_Get_Inkey
3	Get Input	R96	Support	Pro_Get_Input
4	More Time	R96	Not Support	Pro_More_Time
5	Play Tone	R96	Support	Pro_Play_Tone
6	Poll Interval	R96	Support	Pro_Poll_Interval
7	Refresh	R96	Support	Pro_Refresh
8	Set up Menu	R96	Support	Pro_Setup_Menu
9	Select Item	R96	Support	Pro_Select_Item
10	Send Short Message	R96	Support	Pro_Send_SMS
11	Send SS	R96	Support	Pro_Send_SS
12	Set Up Call	R96	Support	Pro_Setup_Call
13	Polling off	R96	Support	Pro_Polling_Off
14	Provide Local Information	R96	Support	Pro_Provide_Local
15	Send USSD	R97	Support	Pro_Send_USSD
16	Set Up Event List	R98	Support	Pro_Setup_Evt_List
17	Perform Card APDU	R98	Not Support	Class_A_C_APDU
18	Power Off Card	R98	Not Support	Class_A_C_OFF

19	Power On Card	R98	Not Support	Class_A_C_ON
20	Get Reader Status	R99	Support	Class_A_Get_Rdr_Status
21	Timer Management	R98	Support	Pro_Timer_Mgt
22	Set Up Idle Mode Text	R98	Support	Pro_Stup_IdMod_Txt
23	Run AT Command	R98	Support	Class_B_Run_AT
24	Send DTMF	R98	Support	Pro_Send_DTMF
25	Language Notification	R99	Support	Pro_Lang_Notif

Table A.26.3: Proactive commands

Item	Proactive commands	Release	Support	Mnemonic
26	Launch Browser	R99	Not Support	Class_C_LB
27	Open Channel	R99	Support	Class_E_Open_Ch
28	Close Channel	R99	Support	Class_E_Close_Ch
29	Receive Data	R99	Support	Class_E_Rx_Data
30	Send Data	R99	Support	Class_E_Send_Data
31	Get Channel Status	R99	Support	Class_E_Get_Ch_Status

Table A.26.4: Display Text

Item	Display Text	Release	Support	Mnemonic
1	void			
2	Immediate Response	R98	Support	Display_ Text_Imm_Resp
3	UCS2 coding scheme supported	R97	Support	Display_Text _Ucs2
4	Extended string	R98	Not Support	Display_Text_Ext_Text 1..240
5	Sustained Text	R98	Support	Display_Text_Sustained

Table A.26.5: Get Inkey

Item	Get Inkey	Release	Support	Mnemonic
1	Void			
2	Void			
3	Void			
4	Binary Choice	R98	Not Support	Get_Inkey_Yes_no
5	UCS2 Display	R97	Not Support	Get_Inkey_Ucs2_Disp
6	UCS2 Entry	R97	Not Support	Get_Inkey_Ucs2_Entry

Table A.26.6: Get Input

Item	Get Input	Release	Support	Mnemonic
1	Void			
2	Void			
3	Void			
4	UCS2 Display	R97	Not Support	Get_Input_Ucs2_Disp
5	UCS2 Entry	R97	Not Support	Get_Input_Ucs2_Entry

Table A.26.7: Play Tone

Item	Play Tone	Release	Support	Mnemonic

1	Void			
2	UCS2 Display	R97	Not Support	Play_Tone_Ucs2

Table A.26.8: Poll Interval

Item	Poll Interval	Release	Support	Mnemonic
1	Maximum poll interval	R96	Not Support	Poll_Max 0.1 s.. 255 min
2	Minimum poll interval	R96	Not Support	Poll_Min 0.1 s.. 255 min

The supported value for Maximum poll interval shall be greater or equal to the Minimum poll interval.

Table A.26.10: Set Up Menu

Item	Set Up Menu	Release	Support	Mnemonic
1	Void			
2	Void			
3	Help Information	R97	Not Support	Setup_Menu_Help_Info
4	Soft Key support	R99	Not Support	Setup_Menu_Soft_key
5	UCS2 Display	R98	Not Support	Setup_Menu _Ucs2

Table A.26.11: Select Item

Item	Select Item	Release	Support	Mnemonic
1	Void			
2	Void			
3	Soft Key Support	R99	Not Support	Select_Item_Soft_key
4	UCS2 Display	R98	Not Support	Select_Item_Ucs2

Table A.26.12: Send Short Message

Item	Send Short Message	Release	Support	Mnemonic
1	Void			
2	UCS2 Display	R97	Not Support	Send_SMS Ucs2

Table A.26.13: Send SS

Item	Send SS	Release	Support	Mnemonic
1				
2	UCS2 Display	R97	Not Support	Send_SS_Ucs2

Table A.26.14: Set Up Call

Item	Set up Call	Release	Support	Mnemonic
1	Void			
2	Void			
3	Void			
4	UCS2 Display	R97	Not Support	Setup_Call_Ucs2
5	2nd Alpha Identifier	R98	Not Support	Setup_Call_Sec_Alpha_Id
C26.1401	A.2/16			
C26.1402	A.2/26			

Table A.26.15: Data Download

Item	Data Download	Release	Support	Mnemonic

1	The SIMPLE-TLV Address used in BER-TLV ENVELOPE for SMS-PP Download.	R96	Support	DDSIM_SubAddr
2	'9EXX' response code for SIM data download error	R97	Not Support	DD_9EXX

Table A.26.16: Call Control

Item	Call Control	Release	Support	Mnemonic
1	SIMPLE-TLV "Called Party Subadress" used in BER-TLV ENVELOPE.	R96	Not Support	CC_SubAddr
2	Emergency Call Codes (ECC).	R96	Support	CC_ECC
3	Fixed Number Dialling	R96	Support	Feat_FDN
4	Cell Identity	R97	Support	CC_Cell_Id
5	USSD String	R98	Support	CC_USSD_Str
6	Automatic Redial	R99	Support	CC_Auto_Redial
7	MO SMS Control	R98	Support	CC_MO_SMS_Ctrl
8	2nd capability configuration parameter	R98	Support	CC_Sec_Cap_Param
9	Handling of the alpha identifier	R97	Support	CC_Alpha_Id
C26.1601	IFA.2/16 THEN O ELSE X			
C26.1602	IFA.2/21 THEN O ELSE X			

Table A.26.17: Provide Local Information

Item	Provide Local Information	Release	Support	Mnemonic
1	Network Measurements (NMR)	R97	Support	Provide_Local_NMR
2	Date Time and Time Zone	R98	Support	Provide_Local_D_Time
3	BCCH Channel List	R98	Support	Provide_Local_BCCH_List
4	Language Settings	R99	Support	Provide_Local_LS
5	Timing Advance	R99	Support	Provide_Local_TA

Table A.26.18: Event Download

Item	Event Download	Release	Support	Mnemonic
1	Event : Card reader status	R99	Not Support	Class_A_Evt_Rdr_Status

Table A.26.18: Event Download

Item	Event Download	Release	Support	Mnemonic
2	Event – Language Selection	R99	Support	Evt _Lang_Select
3	Event : Browser Termination	R99	Support	Class_C_Evt_Br_Term
4	Event : Data available	R99	Support	Class_E_Evt_Data_Avail
5	Event : Channel Status	R99	Support	Class_E_Evt_Ch_Status

Table A.26.19: Send USSD

Item	Send SS	Release	Support	Mnemonic
1	UCS2 Display	R97	Support	Send_USSD_Ucs2

Table A.26.20: Get Reader Status				
Item	**Get Reader Status**	**Release**	**Support**	**Mnemonic**
1	Detachable Reader	R98	Not Support	Class_A_Get_Rdr_Status_Detach
Table A.26.21: Send DTMF				
Item	**Send DTMF**	**Release**	**Support**	**Mnemonic**
1	UCS2 Display	R98	Support	Send_DTMF_Ucs2
Table A.26.22: Open Channel				
Item	**Get Reader Status**	**Release**	**Support**	**Mnemonic**
1	For CSD	R99	Support	Class_E_Open_Ch_CSD
2	For GPRS	R99	Support	Class_E_Open_Ch_GPRS
3	TCP Transport Protocol	R99	Support	Class_E_Open_Ch_TCP
4	UDP Transport Protocol	R99	Support	Class_E_Open_Ch_UDP
Table A.26.23: Set Up Idle Mode Text				
Item	**Set Up Idle Mode Text**	**Release**	**Support**	**Mnemonic**
1	UCS2 Display	R98	Support	Stup_IdMod_Txt_Ucs2

ANNEX D

of

ShenZhen Electronic Product Quality Testing Center

PARTIAL GSM TEST REPORT

SH_06_0606_G_b

Shanghai Simcom Ltd.

GSM 850/900/1800/1900 MHz Module

Type Name: SIM340C

Hardware Version: SIM300C_V3.02
Software Version: TTPCom 10.0

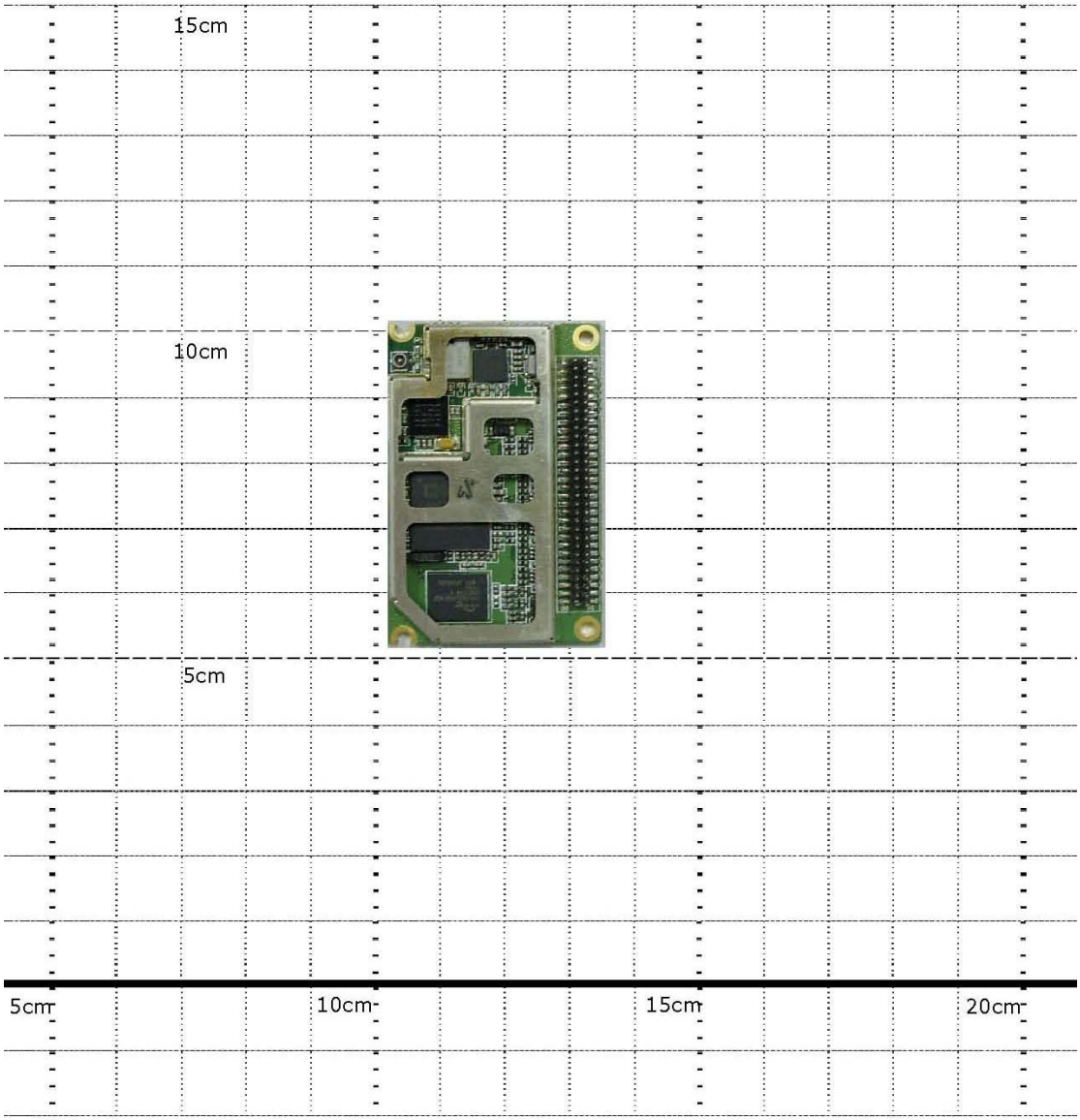
Photographs

This Annex consists of 3 pages

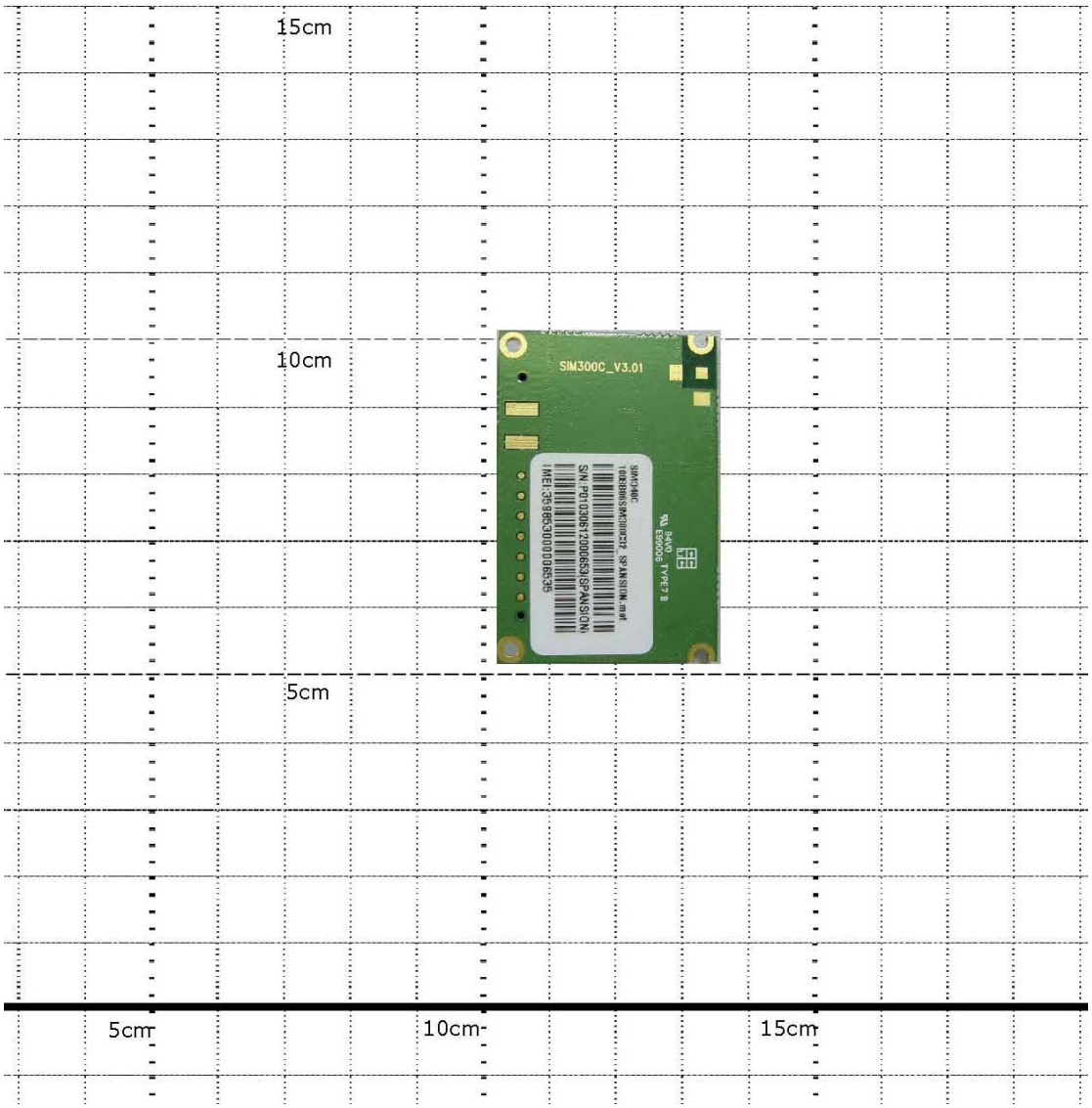
Date of Report: 2006-06-21

1. Photograph of the Equipment under Test

1.1. Front View of the Module



1.2. Back View of the Module



ANNEX E

of

ShenZhen Electronic Product Quality Testing Center

PARTIAL GSM TEST REPORT

SH_06_0606_G_b

Shanghai Simcom Ltd.

GSM 850/900/1800/1900 MHz Module

Type Name: SIM340C

Hardware Version: SIM300C_V3.02
Software Version: TTPCom 10.0

Detailed Test Results

This Annex consists of 12 pages
Date of Report: 2006-6-21

1. General Description

This annex of the GSM Test Report includes a table with detailed test results of Equipment under Test (EUT).

2. Terms used in the Test Result Table

This section defines the term which are used in the enclosed test result table.

2.1. Main Term

The following main terms are used in the test result table:

Term	Explanation
Test Case	Test case identifier of test specification 3GPP TS 51.010-1 or 3GPP TS 11.10-4 as referenced in section 4 of this Test Report.
Test Description	Name of the test case as referenced in the corresponding test specification.
Cat	Category of the related test case in the related GSM frequency band. The interpretation of the corresponding category is defined in Permanent Reference Document GCF-CC (for GSM 900 and/or GSM 1800) and/or in Annex H of Permanent Reference Document NAPRD.03 (for GSM 850 and/or GSM 1900).
Verdict	Verdict for each test case. See section 2.2 of this annex for detailed information.
Loc	If testing has been performed in subcontracted laboratories, this term identifies the testing location according to section 1 of Annex B.
EUT	Information about used test sample of the test results. See section 2.3 of this annex for detailed information.
Footnotes	Information about the test case is performed according to 3GPP TS 51.010-2.

2.2. **Terms in Column "Verdict"**

The following terms are used in the test result table to identify the verdicts of each test case in each given GSM frequency band.

Verdict	**Explanation**
PASS	EUT has been test at Morlab's (Own or subcontracted) laboratories and is conformant to the applied standards for this test case in the given GSM frequency band.
FAIL	EUT has been test at Morlab's (Own or subcontracted) laboratories but is not conformant to the applied standards for this test case in the given GSM frequency band.
Decl.	"Declaration": Morlab has received documents from the applicant and/or manufacturer which show conformity to the applied standards for this test case in the given GSM frequency band.
PASS/Decl..	Only part of the test is "PASS" as mentioned above. For the remaining part Morlab has received a declaration as under "Decl." above.
PASS/----	For not completely validated tests only the validated parts of the test are "PASS" as mentioned above.
INC.	"Inconclusive": EUT has been tested at Morlab's (own and subcontracted) laboratories but the test verdict for this test case in the given GSM frequency band is ambiguous. Detailed explanation is given in the note for the corresponding test case.
N/A	"Not Applicable": According to the applicant's and/or manufacturer's documentation (PICS/PIXIT) this test is not applicable for the given GSM frequency band.
NO	This test case has not been performed with EUT in the given GSM frequency band and/or with the given test parameter(s) although the test may be mandatory for conformance testing.
GSM850	This test case has not been performed with EUT in the given GSM frequency band but in the GSM 850 frequency band instead. The result for this test is given in the appropriate column for "GSM 850".
GSM900	This test case has not been performed with EUT in the given GSM frequency band but in the GSM 900 frequency band instead. The result for this test is given in the appropriate column for "GSM 900".
GSM1800	This test case has not been performed with EUT in the given GSM frequency band but in the GSM 1800 frequency band instead. The result for this test is given in the appropriate column for "GSM 1800".
GSM1900	This test case has not been performed with EUT in the given GSM frequency band but in the GSM 1900 frequency band instead. The result for this test is given in the appropriate column for "GSM 1900".
----	Test is not defined or not validated for the given GSM frequency band or not used by the specific certification regime.

2.3. Terms in Column “EUT”

The test result table contains numerical and letter (e.g. “a01, b02…”) to identify the EUT test sample used for each performed test case.

These numerical and letter notes directly refer to the corresponding EUT Identifier defined in section 3.2 of the Test Report (e.g. note “a01, b02” indicates that the given test case in the given GSM frequency band has been tested with both terminal test sample identified as EUTa01 and EUTb02).

		GSM 850			Foot- notes
Test Case	**Test Description**	**Cat**	**EUT**	**Verdict**	
20.22.1	Cell selection	**A**	**a01**	**PASS**	
20.22.2	Cell reselection in Packet Idle mode	**A**	**a01**	**PASS**	
20.22.3	Priority of cells	**A**	**a01**	**PASS**	
20.22.4	Cell re-selection with cells in different routing area	**A**	**a01**	**PASS**	
20.22.6	Cell reselection timings	**A**	**a01**	**PASS**	
20.22.7	Downlink signalling failure	**A**	**a01**	**PASS**	
20.22.8	Cell selection when the best cell does not support GPRS	**N**	**a01**	**PASS**	
20.22.9	Cell selection when the best cell does not support GPRS	**E**	**a01**	**PASS**	
20.22.13	Cell Reselection based on C32 quality	**A**	**a01**	**PASS**	
20.22.16	Cell Reselection/ ready state/ Reselection and Cell update procedure	**A**	**a01**	**PASS**	
20.22.17	C2 reselection in another RA - no cell reselection	**A**	**a01**	**PASS**	
20.22.18	C2 reselection in another Routing Area - Routing Area Update	**A**	**a01**	**PASS**	
20.22.19	Borders between routing areas - reselection of a GPRS cell in a homogenous network	**A**	**a01**	**PASS**	
26.5.7.1.3	Spare bits / RR / AGCH	**N**	**a01**	**PASS**	
26.5.7.1.4	Spare bits / RR / connected mode	**N**	**a01**	**PASS**	
26.6.1.1	Immediate Assignment / SDCCH or TCH assignment	**A**	**a01**	**PASS**	
26.6.1.2	Immediate Assignment / extended assignment	**A**	**a01**	**PASS**	
26.6.1.3	Immediate Assignment / assignment rejection	**A**	**a01**	**PASS**	
26.6.1.4	Immediate Assignment / ignore assignment	**A**	**a01**	**PASS**	
26.6.2.1.1	Paging / normal / type 1	**N**	**a01**	**PASS**	
26.6.2.1.2	Paging / normal / type 2	**N**	**a01**	**PASS**	
26.6.2.1.3	Paging / normal / type 3	**N**	**a01**	**PASS**	
26.6.2.2	Paging / extended	**N**	**a01**	**PASS**	
26.6.2.3.1	Paging / reorganisation / procedure 1	**N**	**a01**	**PASS**	
26.6.2.3.2	Paging / reorganisation / procedure 2	**N**	**a01**	**PASS**	
26.6.2.4	Paging / same as before	**N**	**a01**	**PASS**	
26.6.2.5	Paging / Multislot CCCH	**N**	**a01**	**PASS**	
26.6.4.2.2	Dedicated assignment / failure / genaral case	**A**	**a01**	**PASS**	
26.6.5.1-1	Handover / successful / active call / non-synchronized / procedure 1	**A**	**a01**	**PASS**	

		GSM 850			Foot- notes
Test Case	**Test Description**	**Cat**	**EUT**	**Verdict**	
26.6.5.1-2	Handover / successful / active call / non-synchronized / procedure 2	**A**	**a01**	**PASS**	
26.6.5.1-3	Handover / successful / active call / non-synchronized / procedure 3	**A**	**a01**	**PASS**	
26.6.5.2-1	Handover/successful / cell under establishment / non–sychro nized /procedure 1	**N**	**a01**	**PASS**	
26.6.5.2-3	Handover / successful / cell under establishment / non-synchronized / procedure 3	**N**	**a01**	**PASS**	
26.6.5.2-4	Handover / successful / cell under establishment / non-synchronized / procedure 4	**N**	**a01**	**PASS**	
26.6.5.2-8	Handover / successful / cell under establishment / non-synchronized / procedure 8	**N**	**a01**	**PASS**	
26.6.5.2-9	Handover / successful / cell under establishment / non-synchronized / procedure 9	**N**	**a01**	**PASS**	
26.6.5.3-1	Handover / successful / active call / finely synchronized / procedure 1	**A**	**a01**	**PASS**	
26.6.5.4-1	Handover/successful / call under establishment / finely synchroniz ed/ procedure 1	**N**	**a01**	**PASS**	
26.6.5.4-3	Handover/successful / call under establishment / finely synchroniz ed/ procedure 3	**N**	**a01**	**PASS**	
26.6.5.4-4	Handover/successful / call under establishment / finely synchroniz ed/ procedure 4	**N**	**a01**	**PASS**	
26.6.7.1	Test of the Channel mode modify procedure / full rate	**A**	**a01**	**PASS**	
26.6.8.4	Ciphering mode / Change of mode, algorithm and key	**A**	**a01**	**PASS**	
26.6.8.5	Ciphering mode / IMEI SV request	**N**	**a01**	**PASS**	
26.6.12.1	Channel release / SDCCH	**A**	**a01**	**PASS**	
26.6.12.2	Channel release / SDCCH - no L2 ACK	**A**	**a01**	**PASS**	
26.6.12.3	Channel release / TCH-F	**A**	**a01**	**PASS**	
26.6.12.4	Channel release / TCH-F - no L2 ACK	**A**	**a01**	**PASS**	
26.6.13.6	Handover with starting time / successful case / time elapsed	**A**	**a01**	**PASS**	
26.6.13.10	Immediate assignment with starting time / successful case / time elapsed	**A**	**a01**	**PASS**	
26.8.1.4.3.1	In-call functions / Channel changes / A successful channel change in active state / Handover and Assignment Command	**A**	**a01**	**PASS**	
26.8.1.4.3.2	In-call functions / Channel changes / An	**A**	**a01**	**PASS**	

		GSM 850			Foot- notes
Test Case	**Test Description**	**Cat**	**EUT**	**Verdict**	
	unsuccessful channel change in active mode / Handover and Assignment Command				
26.8.2.1	Call Re-establishment / Call Present, re-establishment allowed.	**A**	**a01**	**PASS**	
26.8.2.3	Call Re-establishment / Call under establishment, transmission stopped.	**A**	**a01**	**PASS**	
26.9.2	Structured procedures / MS originated call / early assignment	**N**	**a01**	**PASS**	
26.9.3	Structured procedures / MS originated call / late assignment	**N**	**a01**	**PASS**	
26.9.4	Structured procedures / MS terminated call / early assignment	**N**	**a01**	**PASS**	
26.9.5	Structured procedures / MS terminated call / late assignment	**N**	**a01**	**PASS**	
26.9.6.1.1	Structured procedures / emergency call / idle updated / preferred channel rate	**A**	**a01**	**PASS**	
41.1.1.1	RR / Paging / on PCCCH for GPRS service / normal paging with P-TMSI successful.	**N**	**a01**	**PASS**	
41.1.1.2	RR / Paging / on PCCCH for GPRS service / normal paging with IMSI successful	**N**	**a01**	**PASS**	
41.1.1.3	RR / Paging / on PCCCH for GPRS service / extended paging with P-TMSI successful	**N**	**a01**	**PASS**	
41.1.2	RR / Paging / on PCCCH for circuit-switched services / paging successful	**N**	**a01**	**PASS**	
41.1.3	RR / Paging / on PCCCH / paging ignored	**N**	**a01**	**PASS**	
41.1.5.1.1	RR / Paging / on CCCH for GPRS service / normal paging with P-TMSI successful	**N**	**a01**	**PASS**	
41.1.5.1.2	RR / Paging / on CCCH for GPRS service / normal paging with IMSI successful	**N**	**a01**	**PASS**	
41.1.5.2.1	RR / Paging / on CCCH for GPRS service / extended paging with P-TMSI successful	**N**	**a01**	**PASS**	
41.1.6	RR / Paging / Before T3172 expiry	**N**	**a01**	**PASS**	
41.2.2.4	Initiation of the packet access procedure / timer T3146	**A**	**a01**	**PASS**	
41.2.2.5	Initiation of the packet access procedure / Request Reference	**A**	**a01**	**PASS**	
41.2.3.1	Packet immediate assignment / One phase packet access/ Two-message assignment / Successful case	**A**	**a01**	**PASS**	

		GSM 850			Foot- notes
Test Case	**Test Description**	**Cat**	**EUT**	**Verdict**	
41.2.3.3	Packet immediate assignment / One phase packet access/ Packet uplink assignment / Polling bit set	**A**	**a01**	**PASS**	
41.2.5.1	Packet access rejection / wait indication	**N**	**a01**	**PASS**	
41.2.5.2	Packet access rejection / assignment before T3142 expires	**A**	**a01**	**PASS**	
41.2.6.1	Packet downlink assignment procedure using CCCH / Initiation of packet downlink assignment procedure / MS listens to correct CCCH block	**A**	**a01**	**PASS**	
42.1.1.1	Packet Channel Request / Message format	**A**	**a01**	**PASS**	
42.1.1.4.1	Packet Channel Request/ Access persistence control on PRACH/ M+1 attempts	**A**	**a01**	**PASS**	
42.1.1.4.2	Packet Channel Request/ Access persistence control on PRACH/ persistence level	**A**	**a01**	**PASS**	
42.1.1.4.3	Packet Channel Request / Access persistence control on PRACH / Successive Attempts	**A**	**a01**	**PASS**	
42.1.2.1.1.1	Packet Uplink Assignment/ Packet queuing notification/ Stop sending packet channel requests	**A**	**a01**	**PASS**	
42.1.2.1.1.2	Packet Uplink Assignment/ Packet queuing notification/ Ignoring packet queuing notification	**A**	**a01**	**PASS**	
42.1.2.1.1.3	Packet Uplink Assignment / Packet queuing notification / Assigned PDCHs	**A**	**a01**	**PASS**	
42.1.2.1.1.4	Packet Uplink Assignment/ Packet queuing notification/ Expiry of timer T3162	**A**	**a01**	**PASS**	
42.1.2.1.3.1	Packet Uplink Assignment/ Packet access reject/ Action during wait indication	**A**	**a01**	**PASS**	
42.1.2.1.3.2	Packet Uplink Assignment/ Packet access reject/ No respond	**A**	**a01**	**PASS**	
42.1.2.1.4	Packet Uplink Assignment/ Packet uplink assignment handling	**A**	**a01**	**PASS**	
42.1.2.1.5	Packet Uplink Assignment / One or two phase access	**A**	**a01**	**PASS**	
42.1.2.1.6	Packet Uplink Assignment / Decoding of frequency parameters	**A**	**a01**	**PASS**	
42.1.2.1.7	Packet Uplink Assignment / Most recently received Packet Uplink Assignment	**A**	**a01**	**PASS**	
42.1.2.1.10.1	Packet Uplink Assignment/ Abnormal cases/	**A**	**a01**	**PASS**	

		GSM 850			Foot- notes
Test Case	**Test Description**	**Cat**	**EUT**	**Verdict**	
	incorrect PCDH assignment				
42.1.2.1.11	Non DRX Mode on PCCCH	**A**	**a01**	**PASS**	
42.1.2.1.12	Variable PBCCH and PSI Scheduling	**A**	**a01**	**PASS**	
42.1.2.2.1	Packet Downlink Assignment / Response to poll bit	**A**	**a01**	**PASS**	
42.1.2.2.2	Packet Downlink Assignment / PCCCH monitoring	**A**	**a01**	**PASS**	
42.1.2.2.3	Packet Downlink Assignment / Frequency Hopping	**N**	**a01**	**PASS**	
42.1.2.2.4	Packet Downlink Assignment / Response to Packet Polling	**A**	**a01**	**PASS**	
42.1.2.2.5.2	Packet Downlink Assignment/ Abnormal cases/ Expiry of timer T3190	**A**	**a01**	**PASS**	
42.4.4.1	Cell Change Order Procedures without PBCCH /Network Controlled Cell Reselection – Packet Measurement Order Procedure	**A**	**a01**	**PASS**	
43.2.1	Control Blocks Re-assembly	**N**	**a01**	**PASS**	
44.2.1.1.1	GPRS attach procedure/ Normal GPRS attach / GPRS attach / accepted	**N**	**a01**	**PASS**	
44.2.1.1.2	GPRS attach / rejected / IMSI invalid / illegal MS	**N**	**a01**	**PASS**	
44.2.1.1.3	GPRS attach / rejected / IMSI invalid / GPRS services not allowed	**N**	**a01**	**PASS**	
44.2.1.1.5.3.1	GPRS attach procedure/ Normal GPRS attach / GPRS attach / rejected / roaming not allowed in this location area / procedure 1	**N**	**a01**	**PASS**	
44.2.1.1.5.3.3	GPRS attach / rejected / roaming not allowed in this location area / procedure 3	**N**	**a01**	**PASS**	
44.2.1.1.5.3.4	GPRS attach procedure/ Normal GPRS attach / GPRS attach / rejected / roaming not allowed in this location area / procedure 4	**N**	**a01**	**PASS**	
44.2.1.1.6.3.1	GPRS attach / abnormal cases / access barred due to access class control / Test procedure 1	**N**	**a01**	**PASS**	
44.2.1.1.6.3.2	GPRS attach / abnormal cases / access barred due to access class control / Test procedure 2	**N**	**a01**	**PASS**	
44.2.1.1.7	GPRS attach / abnormal cases / change of cell into new routing area	**N**	**a01**	**PASS**	
44.2.1.1.8	GPRS attach / abnormal cases / power off	**N**	**a01**	**PASS**	
44.2.1.1.9	GPRS attach / abnormal cases / GPRS detach	**N**	**a01**	**PASS**	

		GSM 850			Foot- notes
Test Case	**Test Description**	**Cat**	**EUT**	**Verdict**	
	procedure collision				
44.2.1.2.1	GPRS attach procedure/ Combined GPRS attach / GPRS and non-GPRS attach accepted	**N**	**a01**	**PASS**	
44.2.1.2.2.3.1	Combined GPRS attach / GPRS only attach accepted / Test procedure 1	**N**	**a01**	**PASS**	
44.2.1.2.2.3.2	Combined GPRS attach / GPRS only attach accepted / Test procedure 2	**N**	**a01**	**PASS**	
44.2.1.2.4	Combined GPRS attach / rejected / IMSI invalid / illegal ME	**N**	**a01**	**PASS**	
44.2.1.2.5	Combined GPRS attach / rejected / GPRS services and non-GPRS services not allowed	**N**	**a01**	**PASS**	
44.2.1.2.6	GPRS attach procedure/ Combined GPRS attach / Combined GPRS attach / rejected / GPRS services not allowed	**N**	**a01**	**PASS**	
44.2.1.2.7	GPRS attach procedure/ Combined GPRS attach / Combined GPRS attach / rejected / location area not allowed	**N**	**a01**	**PASS**	
44.2.2.1.1	GPRS detach procedure / MS initiated GPRS detach procedure / NormalGPRS detach procedure / power off / accepted	**N**	**a01**	**PASS**	
44.2.2.1.5	GPRS detach procedure / Combined GPRS detach / power off / accepted	**N**	**a01**	**PASS**	
44.2.2.2.1	GPRS detach / re-attach not required / accepted	**N**	**a01**	**PASS**	
44.2.2.2.4	GPRS detach / re-attach requested / accepted	**N**	**a01**	**PASS**	
44.2.3.1.1	Routing area updating procedure/ Normal routing area updating / Routing area updating / accepted	**N**	**a01**	**PASS**	
44.2.3.1.4	Routing area updating / rejected / location area not allowed	**N**	**a01**	**PASS**	
44.2.3.1.5	Routing area updating / abnormal cases / attempt counter check / miscellaneous reject causes	**N**	**a01**	**PASS**	
44.2.3.1.6	Routing area updating / abnormal cases / change of cell into new routing area	**N**	**a01**	**PASS**	
44.2.3.1.7	Routing area updating / abnormal cases / change of cell during routing area updating procedure	**N**	**a01**	**PASS**	
44.2.3.1.8	Routing area updating / abnormal cases / P-	**N**	**a01**	**PASS**	

		GSM 850			Foot- notes
Test Case	**Test Description**	**Cat**	**EUT**	**Verdict**	
	TMSI reallocation procedure collision				
44.2.3.2.3.3.1	Combined routing area updating / RA only accepted / Test Procedure 1	**N**	**a01**	**PASS**	
44.2.3.2.3.3.2	Combined routing area updating / RA only accepted / Test Procedure 2	**N**	**a01**	**PASS**	
44.2.3.2.4	Routing area updating procedure/ Combined routing area updating /Combined routing area updating / rejected / PLMN not allowed	**N**	**a01**	**PASS**	
44.2.3.2.6.3.1	Combined routing area updating / abnormal cases / access barred due to access class control / Test Procedure 1	**N**	**a01**	**PASS**	
44.2.3.2.6.3.2	Combined routing area updating / abnormal cases / access barred due to access class control / Test Procedure 2	**N**	**a01**	**PASS**	
44.2.3.2.7	Combined routing area updating / abnormal cases / attempt counter check / procedure timeout	**N**	**a01**	**PASS**	
44.2.3.2.8	Combined routing area updating / abnormal cases / change of cell into new routing area	**N**	**a01**	**PASS**	
44.2.3.2.9	Combined routing area updating / abnormal cases / change of cell during routing area updating procedure	**N**	**a01**	**PASS**	
44.2.3.3.1	Routing area updating procedure/ Periodic routing area updating / Periodic routing area updating / accepted	**N**	**a01**	**PASS**	
44.2.3.3.2	Periodic routing area updating / accepted / T3312 default value	**N**	**a01**	**PASS**	
44.2.3.3.3	Periodic routing area updating / no cell available / network mode I	**N**	**a01**	**PASS**	
44.2.3.3.4	Combined periodic routing area updating / no cell available	**N**	**a01**	**PASS**	
44.2.5.2.1	GPRS authentication and ciphering/ Test of ciphering mode setting / Ciphering mode / start ciphering	**N**	**a01**	**PASS**	
44.2.7.3.1	GMM READY/ STANDBY timer handling/ Test procedure 1 (cell update)	**N**	**a01**	**PASS**	
44.2.7.3.2	GMM READY/ STANDBY timer handling/ Test procedure 2	**N**	**a01**	**PASS**	
44.2.7.3.3	GMM READY/ STANDBY timer handling/ Test	**N**	**a01**	**PASS**	

		GSM 850			Foot- notes
Test Case	**Test Description**	**Cat**	**EUT**	**Verdict**	
	procedure 3 (force to standby)				
44.2.7.3.4	GMM READY/ STANDBY timer handling/ Test procedure 4	**N**	**a01**	**PASS**	
45.2.2	PDP context activation / PDP context activation requested by the network, successful and unsuccessful	**N**	**a01**	**PASS**	