CETECOM™

Partial

GSM TEST REPORT

No. 504/07T19

according to GCF-CC (V.3.27.1) R97/R98 and NAPRD.03 (V.3.12.0) R97/R98

for

Wavecom

GSM 850/900/1800/1900 Terminal Equipment

Type Q24 Classic with SIM Holder

with

Final Hardware Version: 402

Final Software Version: Open AT® Firmware 6.57e

This Test Report consists of 11 pages and the following Annexes:

Annex A – Accreditation Certificate	**2 pages**
Annex B – Test Equipment	**4 pages**
Annex C – PICS/PIXIT Information	**29 pages**
Annex D – Photographs	**2 pages**
Annex E – Detailed Test Results	**6 pages**

Date of Report: 2007-11-23

***CETECOM* is accredited according to DIN EN ISO/IEC 17025 by:** Deutscher Akkreditierungs Rat DAR **DAT-P-176/94-C0**

CTIA Authorized Test Lab
LAB CODE 20050615-00
Official Observer of GCF

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Capital: 765000 Euro, SIRET: 400 345 559 00035 (Versailles), Code APE: 742C, N° VAT: FR 52 400 345 559, Registered in VERSAILLES, France
Board of Directors: Dr. Harald Ansorge, Hans Peter May

Mobile Communications
320, Rue Hélène Boucher
78532 Buc Cedex · France

Contents

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1. Test Results

1.1. Summary of Test Results

Tables 1a and 1b summarise the final test results of the tested GSM Terminal Equipment. Detailed results for each test case including the used/subcontracted testing location (according to sec. 2.2) are documented in Annex E of this Test Report.

An explanation of the terms used for each column in tables 1a and 1b is given on page 5.

Table 1a: Summary of Test Results according to GCF-CC (V.3.27.1) R97/R98

Test Sections of 3GPP TS 51.010-1 / 3GPP TS 51.010-4		Amount of Test Cases					
		GSM 900			GSM 1800		
No.	Description	PASS	FAIL	INC	PASS	FAIL	INC
11	General Tests	0	0	0	0	0	0
12	Transceiver	0	0	0	0	0	0
13	Transmitter	**20**	0	0	**20**	0	0
14	Receiver	0	0	0	0	0	0
15	Timing advance and absolute delay	0	0	0	0	0	0
16	Reception time tracking speed	0	0	0	0	0	0
17	Access times during handover	0	0	0	0	0	0
18	Temporary reception gaps	0	0	0	0	0	0
19	Channel release after unrecoverable errors	0	0	0	0	0	0
20	Cell selection and reselection	0	0	0	0	0	0
21	Received signal measurements	0	0	0	0	0	0
22	Transmit power control timing and confirmation	0	0	0	0	0	0
25	Tests of layer 2 signalling functions	0	0	0	0	0	0
26	Testing of layer 3 functions	0	0	0	0	0	0
27	Testing SIM/ME interface	0	0	0	0	0	0
28	Test of autocalling restrictions	0	0	0	0	0	0
29	Testing of bearer services	0	0	0	0	0	0
30	Speech teleservices	0	0	0	0	0	0
31	Test of supplementary services	0	0	0	0	0	0
32	Testing of speech transcoding functions	0	0	0	0	0	0
33	Mobile station features	0	0	0	0	0	0
34	Short message service (SMS)	0	0	0	0	0	0
41	GPRS Paging, TBF establishment/release and DCCH related procedures	0	0	0	0	0	0
42	Test of Medium Access Control (MAC) protocol	0	0	0	0	0	0
43	RLC Test Cases	0	0	0	0	0	0
44	Test Case requirements to GPRS mobility management	0	0	0	0	0	0
45	Session Management Procedure	0	0	0	0	0	0
46	LLC and SNDCP Tests	0	0	0	0	0	0
90	Text Telephony (TTY) Services	0	0	0	0	0	0
	Total:	**20**	**0**	**0**	**20**	**0**	**0**

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Table 1b: Summary of Test Results according to NAPRD.03 (V.3.12.0) R97/R98

Test Sections of 3GPP TS 51.010-1 / 3GPP TS 51.010-4		Amount of Test Cases					
		GSM 850			GSM 1900		
No.	Description	PASS	FAIL	INC	PASS	FAIL	INC
11	General Tests	0	0	0	0	0	0
12	Transceiver	0	0	0	0	0	0
13	Transmitter	**20**	0	0	**20**	0	0
14	Receiver	0	0	0	0	0	0
15	Timing advance and absolute delay	0	0	0	0	0	0
16	Reception time tracking speed	0	0	0	0	0	0
17	Access times during handover	0	0	0	0	0	0
18	Temporary reception gaps	0	0	0	0	0	0
19	Channel release after unrecoverable errors	0	0	0	0	0	0
20	Cell selection and reselection	0	0	0	0	0	0
21	Received signal measurements	0	0	0	0	0	0
22	Transmit power control timing and confirmation	0	0	0	0	0	0
25	Tests of layer 2 signalling functions	0	0	0	0	0	0
26	Testing of layer 3 functions	0	0	0	**1**	0	0
27	Testing SIM/ME interface	0	0	0	0	0	0
28	Test of autocalling restrictions	0	0	0	0	0	0
29	Testing of bearer services	0	0	0	0	0	0
30	Speech teleservices	0	0	0	0	0	0
31	Test of supplementary services	0	0	0	0	0	0
32	Testing of speech transcoding functions	0	0	0	0	0	0
33	Mobile station features	0	0	0	0	0	0
34	Short message service (SMS)	0	0	0	0	0	0
41	GPRS Paging, TBF establishment/release and DCCH related procedures	0	0	0	0	0	0
42	Test of Medium Access Control (MAC) protocol	0	0	0	0	0	0
43	RLC Test Cases	0	0	0	0	0	0
44	Test Case requirements to GPRS mobility management	0	0	0	0	0	0
45	Session Management Procedure	0	0	0	0	0	0
46	LLC and SNDCP Tests	0	0	0	0	0	0
90	Text Telephony (TTY) Services	0	0	0	0	0	0
TTY Test Cases, Reference: NAPRD.03 Annex H6		0	0	0	0	0	0
Request for Tests (RFT), Reference: NAPRD.03 Annex H7		0	0	0	0	0	0
	Total:	**20**	**0**	**0**	**21**	**0**	**0**

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The following terms are used in tables 1a and 1b above:	
No.:	Test section number of the Mobile Station Conformance Specifications 3GPP TS 51.010-1 and/or 3GPP TS 51.010-4.
Description:	Test section title of the Mobile Station Conformance Specifications 3GPP TS 51.010-1 and/or 3GPP TS 51.010-4 and/or PTCRB NAPRD.03.
PASS:	Amount of test cases which are conformant to the applied standards in the given GSM frequency band.
FAIL:	Amount of test cases which are not conformant to the applied standards in the given GSM frequency band.
INC:	Inconclusive: Amount of test cases with ambiguous results in the given GSM frequency band.

1.2. *CETECOM*'s different Types of GSM Test Reports

CETECOM issues the following two 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 Test Reports contain 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 requested by the client and/or what is deemed necessary by *CETECOM* 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.

1.3. Documentation received from the Client/Manufacturer

CETECOM has received the PICS/PIXIT information for the equipment under test from the client and/or manufacturer (please refer to Annex C of this Test Report for details) which was the basis for accredited testing.

CETECOM has received sufficient documentation from the client and/or manufacturer to perform the tests as 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.

Dipl.-Ing. Adyl Mssalak
Project Manager
(Author of the Test Report)

Dipl.-Ing. Pierre Jean Dumay
Deputy Project Manager
(Verification of the Test Report)

Dipl.-Ing. Franck Dehour
Test Lab Manager
(Responsible for the Test Report)

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2. Administrative Data

2.1. Identification of the Responsible Testing Laboratory

Company Name:	*CETECOM* SARL
Department:	Mobile Communications
Address:	320, Rue Hélène Boucher 78532 Buc Cedex France
Telephone:	+33 (0) 1 39 24 29 59
Fax:	+33 (0) 1 39 24 29 83
Responsible Test Lab Manager:	Dipl.-Ing. Franck Dehour

2.2. Identification of the Testing Location(s)

Company Name:	*CETECOM* SARL
Address:	320, Rue Hélène Boucher 78532 Buc Cedex France

2.3. Organisational Items

***CETECOM* Reference No.:**	504_07
***CETECOM* Order No.:**	5047_07
***CETECOM* Project Manager:**	Dipl.-Ing. Adyl Mssalak
***CETECOM* Deputy Project Manager:**	Dipl.-Ing. Pierre Jean Dumay
Start of Testing:	2007-11-02
End of Testing:	2007-11-19

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2.4. Identification of the Client

Company Name:	Wavecom S.A.
Address:	3, Esplanade du Foncet 92442 Issy-les-Moulineaux Cedex France
Contact Person:	Ms. Carine Direxel
Telephone:	+33 (0) 1 46 29 08 00
Fax:	+33 (0) 1 46 29 08 08

2.5. Identification of the Manufacturer

Company Name:	Wavecom S.A.
Address:	3, Esplanade du Foncet 92442 Issy-les-Moulineaux Cedex France
Contact Person:	Ms. Carine Direxel
Telephone:	+33 (0) 1 46 29 08 00
Fax:	+33 (0) 1 46 29 08 08

Note: This data is based on the client's information.

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

3.1. Identification of the Equipment under Test

Brand Name:	Wavecom
Type Name:	Q24 Classic with SIM Holder
Marketing Name:	Wireless CPU Q24 Classic with SIM Holder
GSM Frequency Bands:	GSM 850/900/1800/1900
FCC ID Number:	O9EQ24CL003
Industry Canada ID:	3651C-Q24CL003
Special Features / Comments:	AMR, GPRS not supported

3.2. Front View of the Equipment under Test

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3.3. Identification of all used Test Samples of the Equipment under Test

EUT ID *	Serial Number	Hardware Version	Software Version
EUT1	M/907	402	Open AT® Firmware 6.57e
EUT2	M/910	402	Open AT® Firmware 6.57e

*) The Equipment under Test Identifier (EUT ID) is used to simplify the identification in this Test Report

3.4. Identification of the Ancillary Equipment

AE ID *	Description	Serial Number	HW Status	SW Status
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*) The Ancillary Equipment Identifier (AE ID) is used to simplify the identification in this Test Report

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4. Applied Reference Documents

4.1. Leading Reference Documents for Testing

The Equipment under Test (EUT) has been tested at *CETECOM*'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	V3.27.1 (2007-08)
[2]	NAPRD.03	GSM N.A. Permanent Reference Document	V3.12.0 (2007-07)

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 at *CETECOM*'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	V7.7.0 Release 7 (2007-09)
[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	V7.7.0 Release 7 (2007-09)
[5]	ETSI EN 301 511	Global System for Mobile communications (GSM); Harmonized EN for mobile stations in the GSM 900 and GSM 1800 bands covering essential requirements under article 3.2 of the R&TTE directive (1999/5/EC)	V9.0.2 (2003-03)

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4.3. Additional Reference Documents for Testing

Table 4 summarizes additional reference documents which were used for testing at *CETECOM*'s (own or subcontracted) laboratories.

Table 4: Additional Reference Documents

No.	Identity / Description	Valid Since
[6]	**200706-44.ZIP** 5_day_rule_TP9_20070608, RAT for RSPASS SW on TS 895X (for INFO)	2007-06-15
[7]	**200707-90.DOC** Means of test not validated for RLP data calls (VI)	2007-08-03
[8]	**PVG38_0457_07_TP9_RAT-RSPASS.zip** Additional template files for GSM RF test cases	2007-06-15

ANNEX A

of

Partial GSM TEST REPORT

No. 504/07T19

Accreditation Certificate

This Annex consists of 2 pages

Date of Report: 2007-11-23

***CETECOM* is accredited according to DIN EN ISO/IEC 17025 by:**

Deutscher Akkreditierungs Rat

DAT-P-176/94-C0

CTIA Authorized Test Lab

LAB CODE 20050615-00

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Board of Directors: Dr. Harald Ansorge, Hans Peter May

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Translation

DATech Deutsche Akkreditierungsstelle Technik GmbH
Signatory of the Multilateral Agreement of EA and ILAC for the mutual recognition

represented in the

Deutschen AkkreditierungsRat

Accreditation

The **DATech German Accreditation Body Technology GmbH** confirms that the Testing Laboratory

CETECOM SARL
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is competent under the terms of DIN EN ISO/IEC 17025 to carry out testing in the fields

Mobile Communications

2G (GSM 850/900/1800/1900) and 3G (UMTS/W-CDMA)

according to the annexed list of standards and specifications.

The accreditation is valid until: **February 9th, 2010**

The annex is deemed part of this certificate and comprises **4** pages.

DAR-Registration No.: **DAT-P-176/94-C0**
(This certificate is only valid in relation with DAT-P-176/94-02)

Frankfurt/Main, March 30th, 2007

Dipl.-Ing. (FH) R. Egner
Head of the Accreditation Body

Member in EA, ILAC, IAF

Translation for information purposes only. The German Accreditation Certificate is authoritative. See notes overleaf

The annex pages of the certificate may be received from *CETECOM* on request.

ANNEX B

of

Partial GSM TEST REPORT

No. 504/07T19

Test Equipment

This Annex consists of 4 pages

Date of Report: 2007-11-23

***CETECOM* is accredited according to DIN EN ISO/IEC 17025 by:**

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DAT-P-176/94-C0

CTIA Authorized Test Lab

LAB CODE 20050615-00

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1. Test Equipment Location

Testing was performed at the following marked location:

1.1 Location "Essen"

Address: *CETECOM* GmbH
Im Teelbruch 116
D-45219 Essen
Germany ☐

1.2 Location "Milpitas, CA"

Address: *CETECOM* Inc.
411 Dixon Landing Road
Milpitas, CA 95035
U.S.A. ☐

1.3 Location "Buc"

Address: *CETECOM* SARL
320, Rue Hélène Boucher
78532 Buc Cedex
France ☑

1.4 Location "Feldkirchen / Munich"

Address: *CETECOM* GmbH
Kapellenstraße 13
85622 Feldkirchen / Munich
Germany ☐

1.5 Location "Taipei"

Address: *CETECOM* Taiwan Ltd.
2F, No. 181, Ti Ding Blvd. Sec.2, Neihu Dist.
Taipei 114
Taiwan, R.O.C. ☐

1.6 Location "San Diego, CA"

Address: *CETECOM* Inc. - Branch San Diego
3636 Nobel Dr., Suite 250
San Diego, CA 92122
U.S.A ☐

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1.7 Location "Yongin"

Address: *CETECOM* MOVON Ltd.
194-1, Geumeo-Ri, Pogok-Myon, Yongin City
Yongin 449-812
Korea ☐

1.8 Location "Gumi"

Address: *CETECOM* MOVON Ltd.
PakJaeDal Bldg. 3rd floor, 39B 1L, Inui-dong,
Gumi-si, Gyeong-buk
Gumi 730-320
Korea ☐

1.9 Location "Shanghai"

Address: *CETECOM* Shanghai Communication Testing and Consulting Co., Ltd.
Zhangjiang, Building 27 No. 1387 Zhangdong Rd. ☐
Shanghai Zip: 201203
China

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2. List of Test Equipment

2.1 R&S TS8950G

ID:	R&S TS8950G [Buc 1]
Location:	Buc (1.3)
Serialnumber:	100050
Hardware:	SSCU var. 03
Software version:	**Basis Software**: ABFS Firmware version 1.21 CR02P2P BP version 1.32 CR02P2P ASP version 3.35 CR02P2P EP version 1.62 FSU Firmware/Application version 3.61/3.60 XP RF-LIB version 2.73 and v.2.7301 and v.3.13 and v.3.16 and v.3.90 and v.4.4101 **Test Case Software**: RS-PASS-APPL version 2.7301 and v.3.0001 and v.3.12 and v.3.13 and v.3.16 and v.3.17 and v.3.32 and v.3.33 and v.3.34 and v.3.43 and v.3.52 and v.3.60 and v.3.61 and v.3.90 and v.3.93 and v.4.40 and v.4.41 and v.4.42 and v.4.43 and v.4.43 Patch and v.5.00 **TOM Tool Software**: General Integration Tool version 2.7.6.9
Ambient Conditions:	Temperature: 20°C - 26°C Rel. Humidity: 20% - 75%
Calibration:	Date of last Test Equipment Calibration: 2007-03-02

ANNEX C

of

Partial GSM TEST REPORT

No. 504/07T19

for

Wavecom

GSM 850/900/1800/1900 Terminal Equipment

Type Q24 Classic with SIM Holder

with
Final Hardware Version: 402
Final Software Version: Open AT® Firmware 6.57e

PICS/PIXIT Information

This Annex consists of 29 pages

Date of Report: 2007-11-23

The PICS/PIXIT data given or referenced in this annex is based on the latest information received from the client or User Equipment (UE) manufacturer, either verbally or in writing. Therefore, this given information has been used for testing at *CETECOM* for the above mentioned UE configuration. It is the responsibility of the legal owner of the tested UE (i.e. owner of the UE's brand name as given on the cover page of this report) to verify the correctness of the data on the following pages and to indicate any possible incorrectness to *CETECOM*.

***CETECOM* is accredited according to DIN EN ISO/IEC 17025 by:**

Deutscher Akkreditierungs Rat DAR

DAT-P-176/94-C0

CTIA Authorized Test Lab

LAB CODE 20050615-00

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PICS – Protocol Implementation Conformance Statement

(According to Specifications 3GPP TS 51.010-2 V7.7.0 and 3GPP TS 51.010-4 V4.6.0)

Table A.1 (3GPP TS 51.010-2)**: Types of Mobile Stations**

Item	Release	Type of Mobile Station		Supported
1	Phase2	1.1	Standard GSM Band (P-GSM)	☒
2	Phase2	1.2	Extended GSM Band (E-GSM), (including standard Band)	☒
3	R96	1.3	R-GSM Band (including standard and E-GSM Band)	☐
4	Phase2	1.4	DCS 1800 band	☒
5	Phase2	1.5	Multiple-band, not simultaneously	☐
6	Phase2	1.6	Multiple-band, simultaneously	☒
7	Phase2	1.7	Small Mobile Station	☒
8	Phase2	1.8	GSM Power Class 2	☐
9	Phase2	1.9	GSM Power Class 3	☐
10	Phase2	1.10	GSM Power Class 4	☒
11	Phase2	1.11	GSM Power Class 5	☐
12	Phase2	1.12	DCS 1800 Power Class 1	☒
13	Phase2	1.13	DCS 1800 Power Class 2	☐
14	Phase2	1.14	DCS 1800 Power Class 3	☐
15	R96	1.15	HSCSD Multislot MS	☐
16	R99	1.16	GSM 450 band	☐
17	R99	1.17	GSM 480 band	☐
18	R98	1.18	PCS 1900 band	☒
19	R98	1.19	PCS 1900 Power Class 1	☒
20	R98	1.20	PCS 1900 Power Class 2	☐
21	R98	1.21	PCS 1900 Power Class 3	☐
22	R96	1.22	Multislot Class1	☐
23	R96	1.23	Multislot Class2	☐
24	R96	1.24	Multislot Class3	☐
25	R96	1.25	Multislot Class4	☐
26	R96	1.26	Multislot Class5	☐
27	R96	1.27	Multislot Class6	☐
28	R96	1.28	Multislot Class7	☐
29	R96	1.29	Multislot Class8	☐
30	R96	1.30	Multislot Class9	☐
31	R96	1.31	Multislot Class10	☐
32	R96	1.32	Multislot Class11	☐
33	R96	1.33	Multislot Class12	☐
34	R96	1.34	Multislot Class13	☐
35	R96	1.35	Multislot Class14	☐
36	R96	1.36	Multislot Class15	☐
37	R96	1.37	Multislot Class16	☐
38	R96	1.38	Multislot Class17	☐
39	R96	1.39	Multislot Class18	☐
40	R97	1.40	Multislot Class19	☐
41	R97	1.41	Multislot Class20	☐
42	R97	1.42	Multislot Class21	☐
43	R97	1.43	Multislot Class22	☐
44	R97	1.44	Multislot Class23	☐
45	R97	1.45	Multislot Class24	☐
46	R97	1.46	Multislot Class25	☐
47	R97	1.47	Multislot Class26	☐
48	R97	1.48	Multislot Class27	☐
49	R97	1.49	Multislot Class28	☐
50	R97	1.50	Multislot Class29	☐
51	R97	1.51	GPRS Multislot operation	☐
52	R99	1.52	EGPRS capable of 8PSK in Uplink, of all Multislot classes	☐
53	Rel-4	1.53	GSM 700 band	☐
54	Rel-4	1.54	GSM 750 band	☐
55	R99	1.55	GSM 850 band	☒
56	R99	1.56	Support of UTRAN Radio Access Technology	☐
57	R97	1.57	Support of GPRS Multislot class on the uplink	☐
58	R99	1.58	Support of COMPACT	☐
59	R99	1.59	DTM/GPRS Multislot Class 1	☐
60	R99	1.60	DTM/GPRS Multislot Class 5	☐
61	R99	1.61	DTM/GPRS Multislot Class 9	☐

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Item	Release	Type of Mobile Station		Supported
62	R99	1.62	Support of singleslot allocation in DTM/GPRS	☐
63	R99	1.63	Support of UTRAN FDD	☐
64	R99	1.64	Support of UTRAN TDD	☐
65	R98	1.65	Support of Conventional GPS	☐
66	R99	1.66	EGPRS Multislot operation	☐
67	R97	1.67	GPRS Multislot Class1	☐
68	R97	1.68	GPRS Multislot Class2	☐
69	R97	1.69	GPRS Multislot Class3	☐
70	R97	1.70	GPRS Multislot Class4	☐
71	R97	1.71	GPRS Multislot Class5	☐
72	R97	1.72	GPRS Multislot Class6	☐
73	R97	1.73	GPRS Multislot Class7	☐
74	R97	1.74	GPRS Multislot Class8	☐
75	R97	1.75	GPRS Multislot Class9	☐
76	R97	1.76	GPRS Multislot Class10	☐
77	R97	1.77	GPRS Multislot Class11	☐
78	R97	1.78	GPRS Multislot Class12	☐
79	R97	1.79	GPRS Multislot Class13	☐
80	R97	1.80	GPRS Multislot Class14	☐
81	R97	1.81	GPRS Multislot Class15	☐
82	R97	1.82	GPRS Multislot Class16	☐
83	R97	1.83	GPRS Multislot Class17	☐
84	R97	1.84	GPRS Multislot Class18	☐
85	R97	1.85	GPRS Multislot Class19	☐
86	R97	1.86	GPRS Multislot Class20	☐
87	R97	1.87	GPRS Multislot Class21	☐
88	R97	1.88	GPRS Multislot Class22	☐
89	R97	1.89	GPRS Multislot Class23	☐
90	R97	1.90	GPRS Multislot Class24	☐
91	R97	1.91	GPRS Multislot Class25	☐
92	R97	1.92	GPRS Multislot Class26	☐
93	R97	1.93	GPRS Multislot Class27	☐
94	R97	1.94	GPRS Multislot Class28	☐
95	R97	1.95	GPRS Multislot Class29	☐
96	R99	1.96	EGPRS Multislot Class1	☐
97	R99	1.97	EGPRS Multislot Class2	☐
98	R99	1.98	EGPRS Multislot Class3	☐
99	R99	1.99	EGPRS Multislot Class4	☐
100	R99	1.100	EGPRS Multislot Class5	☐
101	R99	1.101	EGPRS Multislot Class6	☐
102	R99	1.102	EGPRS Multislot Class7	☐
103	R99	1.103	EGPRS Multislot Class8	☐
104	R99	1.104	EGPRS Multislot Class9	☐
105	R99	1.105	EGPRS Multislot Class10	☐
106	R99	1.106	EGPRS Multislot Class11	☐
107	R99	1.107	EGPRS Multislot Class12	☐
108	R99	1.108	EGPRS Multislot Class13	☐
109	R99	1.109	EGPRS Multislot Class14	☐
110	R99	1.110	EGPRS Multislot Class15	☐
111	R99	1.111	EGPRS Multislot Class16	☐
112	R99	1.112	EGPRS Multislot Class17	☐
113	R99	1.113	EGPRS Multislot Class18	☐
114	R99	1.114	EGPRS Multislot Class19	☐
115	R99	1.115	EGPRS Multislot Class20	☐
116	R99	1.116	EGPRS Multislot Class21	☐
117	R99	1.117	EGPRS Multislot Class22	☐
118	R99	1.118	EGPRS Multislot Class23	☐
119	R99	1.119	EGPRS Multislot Class24	☐
120	R99	1.120	EGPRS Multislot Class25	☐
121	R99	1.121	EGPRS Multislot Class26	☐
122	R99	1.122	EGPRS Multislot Class27	☐
123	R99	1.123	EGPRS Multislot Class28	☐
124	R99	1.124	EGPRS Multislot Class29	☐
125	R99	1.125	GSM 850 Power Class 2	☐
126	R99	1.126	GSM 850 Power Class 3	☐
127	R99	1.127	GSM 850 Power Class 4	☒
128	R99	1.128	GSM 850 Power Class 5	☐

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Item	Release	Type of Mobile Station		Supported
129	R99	1.129	8-PSK GSM Power Class E1	☐
130	R99	1.130	8-PSK GSM Power Class E2	☐
131	R99	1.131	8-PSK GSM Power Class E3	☐
132	R99	1.132	8-PSK DCS Power Class E1	☐
133	R99	1.133	8-PSK DCS Power Class E2	☐
134	R99	1.134	8-PSK DCS Power Class E3	☐
135	R99	1.135	8-PSK PCS Power Class E1	☐
136	R99	1.136	8-PSK PCS Power Class E2	☐
137	R99	1.137	8-PSK PCS Power Class E3	☐
138	R99	1.138	8-PSK GSM 850 Power Class E1	☐
139	R99	1.139	8-PSK GSM 850 Power Class E2	☐
140	R99	1.140	8-PSK GSM 850 Power Class E3	☐
141	Phase2	1.141	GSM850 and GSM1800 Band Interworking	☐
142	Phase2	1.142	GSM900 and GSM1900 Band Interworking	☐
143	Phase2	1.143	GSM850 and GSM900 Band Interworking	☐
144	R99	1.144	DTM/EGPRS Multislot Class 1	☐
145	R99	1.145	DTM/EGPRS Multislot Class 5	☐
146	R99	1.146	DTM/EGPRS Multislot Class 9	☐
147	R99	1.147	Support of singleslot allocation in DTM/EGPRS	☐
148	R99	1.148	DTM/GPRS Multislot Class 11	☐
149	Rel-5	1.149	GPRS Multislot Class30	☐
150	Rel-5	1.150	GPRS Multislot Class31	☐
151	Rel-5	1.151	GPRS Multislot Class32	☐
152	Rel-5	1.152	GPRS Multislot Class33	☐
153	Rel-5	1.153	GPRS Multislot Class34	☐
154	Rel-5	1.154	GPRS Multislot Class35	☐
155	Rel-5	1.155	GPRS Multislot Class36	☐
156	Rel-5	1.156	GPRS Multislot Class37	☐
157	Rel-5	1.157	GPRS Multislot Class38	☐
158	Rel-5	1.158	GPRS Multislot Class39	☐
159	Rel-5	1.159	GPRS Multislot Class40	☐
160	Rel-5	1.160	GPRS Multislot Class41	☐
161	Rel-5	1.161	GPRS Multislot Class42	☐
162	Rel-5	1.162	GPRS Multislot Class43	☐
163	Rel-5	1.163	GPRS Multislot Class44	☐
164	Rel-5	1.164	GPRS Multislot Class45	☐
165	Rel-5	1.165	EGPRS Multislot Class30	☐
166	Rel-5	1.166	EGPRS Multislot Class31	☐
167	Rel-5	1.167	EGPRS Multislot Class32	☐
168	Rel-5	1.168	EGPRS Multislot Class33	☐
169	Rel-5	1.169	EGPRS Multislot Class34	☐
170	Rel-5	1.170	EGPRS Multislot Class35	☐
171	Rel-5	1.171	EGPRS Multislot Class36	☐
172	Rel-5	1.172	EGPRS Multislot Class37	☐
173	Rel-5	1.173	EGPRS Multislot Class38	☐
174	Rel-5	1.174	EGPRS Multislot Class39	☐
175	Rel-5	1.175	EGPRS Multislot Class40	☐
176	Rel-5	1.176	EGPRS Multislot Class41	☐
177	Rel-5	1.177	EGPRS Multislot Class42	☐
178	Rel-5	1.178	EGPRS Multislot Class43	☐
179	Rel-5	1.179	EGPRS Multislot Class44	☐
180	Rel-5	1.180	EGPRS Multislot Class45	☐
181		1.181	(Void)	---
182	Rel-7	1.182	GSM 710 band	☐
183	Rel-7	1.183	T GSM 810 band	☐
184	Rel-4	1.184	DTM/EGPRS Multislot Class 11	☐
185	Rel-6	1.185	T-GSM 380 band	☐
186	Rel-6	1.186	T-GSM 410 band	☐
187	Rel-6	1.187	T-GSM 900 band	☐
188	R99	1.188	EGPRS Multislot Operation in Uplink Direction	☐

Table A.1b (3GPP TS 51.010-2)**: MS Feature Release Supported**

Item	Release	MS Feature Release Supported		Supported	Value	
					Allowed	Supported
1	R97	1.189	Release of GPRS supported	1.190 ☐	R97, R98, R99, Rel-4, Rel-5, Rel-6, Rel-7	

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Item	Release	MS Feature Release Supported		Supported		Value	
						Allowed	Supported
2	R98	1.191	Release of AMR supported	1.192	☒	R98, R99, Rel-4, Rel-5, Rel-6, Rel-7	R98
3	R99	1.193	Release of EGPRS supported	1.194	☐	R99, Rel-4, Rel-5, Rel-6, Rel-7	

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Table A.2 (3GPP TS 51.010-2)**: Mobile Station Features**

Item	Release	Mobile Station Feature		Supported
1	Phase2	1.195	Display of Called Number	☐
2	Phase2	1.196	Indication of Call Progress Signals	☐
3	Phase2	1.197	Country / PLMN Indication	☐
4	Phase2	1.198	Country / PLMN Selection	☒
5	Phase2	1.199	Keypad	☐
6	Phase2	1.200	IMEI	☒
7	Phase2	1.201	Short Message Overflow Indication	☐
8	Phase2	1.202	DTE /DCE Interface	☒
9	Phase2	1.203	ISDN ”S” Interface	☐
10	Phase2	1.204	International Access Function	☒
11	Phase2	1.205	Service Indicator	☐
12	Phase2	1.206	Autocalling restriction capabilities	☐
13	Phase2	1.207	Dual Tone Multi Frequency function	☒
14	Phase2	1.208	Subscription Identity Management	☒
15	Phase2	1.209	On / Off switch	☒
16	Phase2	1.210	Subaddress	☐
17	Phase2	1.211	Support of Encryption A5/1	☒
18		1.212	(Void)	---
19	Phase2	1.213	Short Message Service Cell Broadcast DRX	☒
20	Phase2	1.214	Abbreviated Dialling	☒
21	Phase2	1.215	Fixed Number Dialling	☒
22	Phase2	1.216	Barring of Outgoing Calls	☐
23	Phase2	1.217	DTMF Control Digits Separator	☐
24	Phase2	1.218	Selection of Directory No in Short Messages	☐
25	Phase2	1.219	Last Numbers Dialled	☒
26	Phase2	1.220	At least one autocalling feature	☐
27	Phase2	1.221	Alphanumeric display	☐
28	Phase2	1.222	Other means of display	☐
29	Phase2	1.223	Speech indicator	☐
30	R96	1.224	Support of the extended Short message cell broadcast channel	☐
31	R96	1.225	Support of Additional Call Set-up MMI Procedures	☐
32		1.226	(Void)	---
33	Ph2(R96)	1.227	Ciphering Indicator	☐
34	R96	1.228	Network’s indication of alerting in the MS $(NI Alert in MS)$	☐
35	R96	1.229	ME-SIM lock	☒
36	R96	1.230	Service Dialling Numbers	☒
37	R99	1.231	Extended timing advance	☐
38	R98	1.232	Support of SoLSA	☐
39	R96	1.233	Audible Indication of Service Tones	☐
40	Phase2	1.234	Autocalling_Cause 27 Implemented in Cat 3	☐
41	R97	1.235	Support of GPRS	☐
42	R99	1.236	Support of EGPRS	☐
43	R98	1.237	Support of GPRS Encryption	☐
44	Phase2	1.238	Control of Supplementary Services	☒
45	Phase2	1.239	Short message	☒
46	Phase2	1.240	Emergency calls capabilities	☒
47	R97	1.241	GPRS operation mode class A	☐
48	R97	1.242	GPRS operation mode class B	☐
49	R97	1.243	GPRS operation mode class C	☐
50	R99	1.244	MS supporting SMS over GPRS	☐
51		1.245	(Void)	---
52		1.246	(Void)	---
53	R99	1.247	Support of ECSD	☐
54	R97	1.248	GPRS test mode A	☐
55	R97	1.249	GPRS test mode B	☐
56		1.250	EGPRS test mode	☐
57	R98	1.251	Support of MS-Assisted E-OTD	☐
58	R97	1.252	Non-zero value of Non_DRX_Timer	☒
59	R98	1.253	Support of MS-Based GPS	☐
60	R98	1.254	Support of MS-Assisted GPS	☐
61	R98	1.255	Privacy Option Supported	☐
62	R99	1.256	Support of DTM/GPRS	☐
63	R98	1.257	Support of MS Assisted EOTD Performance for GMSK	☐
64	R99	1.258	Support of MS Assisted EOTD Performance for 8PSK	☐
65	R99 only	1.259	Support of EGPRS Packet Access enhancement	☐

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Item	Release	Mobile Station Feature		Supported
66		1.260	(Void)	---
67	R99	1.261	Support of MT SMS over GPRS	☐
68		1.262	(Void)	---
69	R99	1.263	Support of DTM/EGPRS	☐
70	R99	1.264	Support of Extended dynamic allocation	☐
71	Rel-6	1.265	Support of GAN	☐
72	Rel-4	1.266	Support of GERAN FEATURE PACKAGE 1	☐
73	Rel-6	1.267	Support of Encryption A5/3	☐
74	Rel-4	1.268	Support of Fine Time Assistance	☐
75	R97	1.269	Support of Encryption GEA2	☐
76	Rel-6	1.270	Support of Encryption GEA3	☐
77	Up to R98	1.271	Use of R99 Emergency numbers	☐
78	Rel-5	1.272	Support of GERAN FEATURE PACKAGE 2	☐
79	Rel-6	1.273	Support of GAN to UTRAN CS Handover	☐
80	Rel-6	1.274	Support of UTRAN to GAN CS Handover	☐
81	Rel-6	1.275	Support of Enhanced DTM CS	☐

Table A.3 (3GPP TS 51.010-2)**: Teleservices**

Item	Release	Teleservice		Supported
1	Phase2	1.276	Telephony	☒
2	Phase2	1.277	Emergency Call	☒
3	Phase2	1.278	Short Message MT/PP	☒
4	Phase2	1.279	Short Message MO/PP	☒
5	Phase2	1.280	SMS Cell Broadcast	☒
6	Phase2	1.281	Teleservice Alternate Speech and G3 fax	☐
7	Phase2	1.282	Teleservice Automatic G3 fax	☒
8	R96	1.283	Voice Group Call Service (VGCS)	☐
9	R96	1.284	Voice Broadcast Service (VBS)	☐
10	R96	1.285	SMS description	☒

Table A.4 (3GPP TS 51.010-2)**: Bearer Services**

Item	Release	Bearer Service		Supported
1	Phase2	1.286	Data circuit duplex async. 300 bit/s	☒
2	Phase2	1.287	Data circuit duplex async. 1 200 bit/s	☒
3	Phase2	1.288	Data circuit duplex async. 1 200/75 bit/s	☒
4	Phase2	1.289	Data circuit duplex async. 2 400 bit/s	☒
5	Phase2	1.290	Data circuit duplex async. 4 800 bit/s	☒
6	Phase2	1.291	Data circuit duplex async. 9 600 bit/s	☒
7	Phase2	1.292	Data circuit duplex sync. 1 200 bit/s	☐
8	Phase2	1.293	Data circuit duplex sync. 2 400 bit/s	☐
9	Phase2	1.294	Data circuit duplex sync. 4 800 bit/s	☐
10	Phase2	1.295	Data circuit duplex sync. 9 600 bit/s	☐
11	Phase2	1.296	PAD Access 300 bit/s	☐
12	Phase2	1.297	PAD Access 1 200 bit/s	☐
13	Phase2	1.298	PAD Access 1 200/75 bits/s	☐
14	Phase2	1.299	PAD Access 2 400 bit/s	☐
15	Phase2	1.300	PAD Access 4 800 bit/s	☐
16	Phase2	1.301	PAD Access 9 600 bit/s	☐
17	Phase2	1.302	Packet Access 2 400 bit/s	☐
18	Phase2	1.303	Packet Access 4 800 bit/s	☐
19	Phase2	1.304	Packet Access 9 600 bit/s	☐
20	Phase2	1.305	Alternate Speech/Data	☐
21	Phase2	1.306	Speech Followed by Data	☐
22	R97	1.307	GPRS	☐
23	Rel-6	1.308	Bluetooth data rate	☐
24	Rel-6	1.309	WLAN data rate	☐

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Table A.5 (3GPP TS 51.010-2)**: Supplementary Services**

Item	Release	Supplementary Service		Supported
1	Phase2	1.310	Calling Line Identification Presentation	☒
2	Phase2	1.311	Calling Line Identification Restriction	☒
3	Phase2	1.312	Connected Line Identification Presentation	☒
4	Phase2	1.313	Connected Line Identification Restriction	☐
5	Phase2	1.314	Call Forwarding Unconditional	☒
6	Phase2	1.315	Call Forwarding on Mobile Subscriber Busy	☒
7	Phase2	1.316	Call Forwarding on No Reply	☒
8	Phase2	1.317	Call Forwarding on Mobile Subscriber Not Reachable	☒
9	Phase2	1.318	Call Waiting	☒
10	Phase2	1.319	Call Hold	☒
11	Phase2	1.320	Multi Party Service	☒
12	Phase2	1.321	Closed User Group	☒
13	Phase2	1.322	Advice of Charge (Information)	☒
14	Phase2	1.323	Advice of Charge (Charging)	☒
15	Phase2	1.324	Barring of All Outgoing Calls.	☒
16	Phase2	1.325	Barring of Outgoing International Calls	☒
17	Phase2	1.326	Barring of Outgoing International Calls except those directed to the Home PLMN Country	☒
18	Phase2	1.327	Barring of All Incoming Calls	☒
19	Phase2	1.328	Barring of Incoming Calls when Roaming Outside the Home PLMN Country	☒
20	Phase2	1.329	Unstructured SS Data	☒
21	R96	1.330	enhanced Multi-Level Precedence and Pre-emption service (eMLPP)	☐
22	R96	1.331	Call Deflection	☐
23	R96	1.332	User-to-User signalling	☒
24	R96	1.333	Explicit Call Transfer	☒
25	R96	1.334	Implicit UUS1	☐
26	R98	1.335	Sending of implicit UUS1 in the ALERTING message	☐
27	R98	1.336	Sending of implicit UUS1 in the CONNECT message	☐
28	R99	1.337	Follow Me	☐
29	Rel-4	1.338	User-to-Dispatcher Information	☐
30	Rel-4	1.339	Compressed User-to-Dispatcher	☐
31	R97	1.340	Completion of Calls to Busy SS	☐
32	R97	1.341	Completion of Calls to Busy Requests	☐
33	R97	1.342	Support of Private Numbering Plan SS	☐
34	R97	1.343	Support of Private Numbering Plan , Numbering Plans	☐
35	R97	1.344	Name Identification SS	☒
36	Rel-7	1.345	Support of Periodic Location	☐
37	R98	1.346	Support of MO-LR request for a position estimate	☐
38	R98	1.347	Support of MO-LR request for transfer to 3rd party	☐

Table A.6 (3GPP TS 51.010-2)**: Groups for possible bearer capabilities**

Item	Release	Bearer Capability Group		Supported
1	Ph2(R96)	1.348	Bearer Service 21(20) .. 26, unrestricted digital information transfer capability	☒
2	Ph2(R96)	1.349	Bearer Service 21(20) .. 26, 3.1 kHz audio ex-PLMN information transfer capability	☒
3	Ph2(R96)	1.350	Bearer Service 31(30) .. 34, unrestricted digital information transfer capability; Non-X.32 Cases (BS 31 .. BS 34)	☐
4	Ph2(R96)	1.351	Bearer Service 31(30) .. 34, unrestricted digital information transfer capability; X.32 Cases	☐
5	Ph2(R96)	1.352	Bearer Service 31(30) .. 34, 3.1 kHz audio ex-PLMN information transfer capability; Non-X.32 Cases	☐
6	Ph2(R96)	1.353	Bearer Service 31(30) .. 34, 3.1 kHz audio ex-PLMN information transfer capability; X.32 Cases	☐
7	Ph2(R96)	1.354	Bearer Service 41(40)..46, PAD Access Asynchronous	☐
8	Ph2(R96)	1.355	Bearer Service 51(50)..53, Data Packet Duplex Synchronous	☐
9	Phase2	1.356	Bearer Service 61, Alternate Speech/Data, "Speech"	☐
10	Phase2	1.357	Bearer Service 61, Alternate Speech/Data, .3.1 kHz audio ex-PLMN information transfer capability; Asynchronous	☐
11	Phase2	1.358	Bearer Service 61, Alternate Speech/Data, .3.1 kHz audio ex-PLMN information transfer capability; Synchronous	☐
12	Phase2	1.359	Bearer Service 81, Speech followed by Data, "Speech"	☐
13	Phase2	1.360	Bearer Service 81, Speech followed by Data, .3.1 kHz audio ex-PLMN information transfer capability; Asynchronous	☐
14	Phase2	1.361	Bearer Service 81, Speech followed by Data, .3.1 kHz audio ex-PLMN information transfer capability; Synchronous	☐
15	Phase2	1.362	Teleservice 11..12, Speech	☒
16	Phase2	1.363	Teleservice 61, Alternate Speech and Facsimile group 3; "Speech"	☐
17	Phase2	1.364	Teleservice 61, Alternate Speech and Facsimile group 3; Facsimile group 3	☐

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Item	Release	Bearer Capability Group	Supported
18	Phase2	1.365 Teleservice 62, Automatic Facsimile group 3	☒

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Table A.7 (3GPP TS 51.010-2)**: Bearer Service 20..26, UDI/RDI**

Item	Release	Bearer Capability Elements		Values	
				Allowed	Supported
1	Phase2	1.366	Signalling Access Protocol (SAP)	I.440	☒
		1.367		X.28nond	☐
2	Phase2	1.368	Connection Element (CE)	NT	☒
		1.369		bothNT	☒
		1.370		T	☒
		1.371		bothT	☒
3	Phase2	1.372	User Info Layer 2 Protocol (UIL2P)	ISO6429	☒
		1.373		ICOPnoFICt	☒
		1.374		NAV	☒
4	Phase2	1.375	Number of Data Bits(NDB)	7 bits	☒
		1.376		8 bits	☒
5	Phase2	1.377	Parity Information (NPB)	odd	☒
		1.378		even	☒
		1.379		0	☒
		1.380		1	☒
		1.381		none	☒
6	Phase2	1.382	Number of Stop Bits (NSB)	1 bit	☒
		1.383		2 bits	☒
7	Phase2	1.384	Radio Channel Requirement (RCR)	dualHR	☒
		1.385		FR	☒
		1.386		dualFR	☒
8	Phase2	1.387	Intermediate Rate (IR)	8 kbps	☒
		1.388		16 kbps	☒
9	Phase2	1.389	User Rate (UR)	0.3	☒
		1.390		1.2	☒
		1.391		2.4	☒
		1.392		4.8	☒
		1.393		9.6	☒
		1.394		1.2/0.075	☒
10	R96	1.395	Fixed Network User Rate (FNUR)	9.6	☒
		1.396		14.4	☒
		1.397		19.2	☒
		1.398		28.8	☒
		1.399		38.4	☒
		1.400		48.0	☒
		1.401		56.0	☒
		1.402		NAV	☒
11	R96	1.403	Wanted Air Interface User Rate (WAIUR)	9.6	☒
		1.404		14.4	☒
		1.405		19.2	☒
		1.406		28.8	☒
		1.407		38.4	☒
		1.408		43.2	☒
		1.409		57.6	☒
		1.410		NAV	☒
12	R96	1.411	User Initiated Modification Indication (UIMI)	not req.	☒
		1.412		upto1	☒
		1.413		upto2	☒
		1.414		upto3	☒
		1.415		upto4	☒
		1.416		NAV	☒
13	R96	1.417	Maximum number of Traffic Channels (MaxNumTCH)	1	☒
		1.418		2	☒
		1.419		3	☒
		1.420		4	☒
		1.421		NAV	☒
10a	---	1.422	all allowed combinations according to 3GPP TS 07.01 B.1.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description)		☐

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Table A.8 (3GPP TS 51.010-2)**: Bearer Service 20..26, 3.1 kHz**

Item	Release	Bearer Capability Elements		Values	
				Allowed	Supported
1	Phase2	1.423	Signalling Access Protocol (SAP)	I.440	☒
		1.424		X.28nond	☒
2	Phase2	1.425	Connection Element (CE)	NT	☒
		1.426		bothNT	☒
		1.427		T	☒
		1.428		bothT	☒
3	Phase2	1.429	User Info Layer 2 Protocol (UIL2P)	ISO6429	☒
		1.430		COPnoFICt	☒
		1.431		NAV	☒
4	Phase2	1.432	Number of Data Bits (NDB)	7 bits	☒
		1.433		8 bits	☒
5	Phase2	1.434	Parity Information (NPB)	odd	☒
		1.435		even	☒
		1.436		0	☒
		1.437		1	☒
		1.438		none	☒
6	Phase2	1.439	Number of Stop Bits (NSB)	1 bit	☒
		1.440		2 bits	☒
7	Phase2	1.441	Radio Channel Requirement (RCR)	dualHR	☒
		1.442		FR	☒
		1.443		dualFR	☒
8	Phase2	1.444	Intermediate Rate (IR)	8 kbps	☒
		1.445		16 kbps	☒
9	Phase2	1.446	User Rate (UR)	0.3	☒
		1.447		1.2	☒
		1.448		2.4	☒
		1.449		4.8	☒
		1.450		9.6	☒
		1.451		1.2/0.075	☒
10	Phase2	1.452	Modem Type (MT)	V.21	☒
		1.453		V.22	☒
		1.454		V.22bis	☒
		1.455		V.26ter	☒
		1.456		V.32	☒
		1.457		V.23	☒
		1.458		auto1	☒
11	R96	1.459	Fixed Network User Rate (FNUR)	9.6	☒
		1.460		14.4	☒
		1.461		19.2	☒
		1.462		28.8	☒
		1.463		NAV	☒
12	R96	1.464	Wanted Air Interface User Rate (WAIUR)	9.6	☒
		1.465		14.4	☒
		1.466		19.2	☒
		1.467		28.8	☒
		1.468		38.4	☒
		1.469		43.2	☒
13	R96	1.470	Acceptable channel codings (ACC)	4.8	☒
		1.471		9.6	☒
		1.472		14.4	☒
		1.473		NAV	☒
14	R96	1.474	User Initiated Modification Indication (UIMI)	not req.	☒
		1.475		upto1	☒
		1.476		upto2	☒
		1.477		upto3	☒
		1.478		upto4	☒
		1.479		NAV	☒
15	R96	1.480	Maximum number of Traffic Channels (MaxNumTCH)	1	☒
		1.481		2	☒
		1.482		3	☒
		1.483		4	☒
		1.484		NAV	☒
11a	---	1.485	all allowed combinations according to 3GPP TS 07.01 B.1.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description)	☐	

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Table A.9 (3GPP TS 51.010-2)**: Bearer Service 30..34, UDI, Non-X.32**

Item	Release	Bearer Capability Elements		Values	
				Allowed	Supported
1	Phase2	1.486	Signalling Access Protocol (SAP)	I.440	☐
		1.487		X.21	☐
2	Phase2	1.488	Radio Channel Requirement (RCR)	dualHR	☐
		1.489		FR	☐
		1.490		dualFR	☐
3	Phase2	1.491	Intermediate Rate (IR)	8 kbps	☐
		1.492		16 kbps	☐
4	Phase2	1.493	User Rate (UR)	1.2	☐
		1.494		2.4	☐
		1.495		4.8	☐
		1.496		9.6	☐
5	R96	1.497	Fixed Network User Rate (FNUR)	9.6	☐
		1.498		14.4	☐
		1.499		19.2	☐
		1.500		28.8	☐
		1.501		38.4	☐
		1.502		48	☐
		1.503		56	☐
		1.504		NAV	☐
6	R96	1.505	Acceptable channel codings (ACC)	4.8	☐
		1.506		9.6	☐
		1.507		14.4	☐
		1.508		NAV	☐
7	R96	1.509	Maximum number of Traffic Channels (MaxNumTCH)	1	☐
		1.510		2	☐
		1.511		3	☐
		1.512		4	☐
		1.513		NAV	☐
5a	---	1.514	all allowed combinations according 3GPP TS 07.01 A2 1.3.1.1 (3GPP TS 27.001) implemented (if not, provide detailed description)		☐

Table A.10 (3GPP TS 51.010-2)**: Bearer Service 30..34, UDI, X.32**

Item	Release	Bearer Capability Elements		Values	
				Allowed	Supported
1	Phase2	1.515	Radio Channel Requirement (RCR)	dualHR	☐
		1.516		FR	☐
		1.517		dualFR	☐
2	Phase2	1.518	Intermediate Rate (IR)	8 kbps	☐
		1.519		16 kbps	☐
3	Phase2	1.520	User Rate (UR)	2.4	☐
		1.521		4.8	☐
		1.522		9.6	☐
4	Ph2(R96)	1.523	User Info Layer 2 Protocol (UIL2P)	X.25	☐
		1.524		(X.75)	☐
5	Ph2(R96)	1.525	Rate Adaptation (RA)	X.31Flag	☐
		1.526		(V.120)	☐
6	R96	1.527	Fixed Network User Rate (FNUR)	9.6	☐
		1.528		14.4	☐
		1.529		19.2	☐
		1.530		28.8	☐
		1.531		38.4	☐
		1.532		48	☐
		1.533		56	☐
		1.534		NAV	☐
7	R96	1.535	Wanted Air Interface User Rate (WAIUR)	9.6	☐
		1.536		14.4	☐
		1.537		19.2	☐
		1.538		28.8	☐
		1.539		38.4	☐
		1.540		43.2	☐
		1.541		57	☐
		1.542		NAV	☐

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Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
8	R96	1.543 User Initiated Modification Indication (UIMI)	not req	☐
		1.544	upto1	☐
		1.545	upto2	☐
		1.546	upto3	☐
		1.547	upto4	☐
		1.548	NAV	☐
9	R96	1.549 Acceptable channel codings (ACC)	4.8	☐
		1.550	9.6	☐
		1.551	14.4	☐
		1.552	NAV	☐
10	R96	1.553 Maximum number of Traffic Channels (MaxNumTCH)	1	☐
		1.554	2	☐
		1.555	3	☐
		1.556	4	☐
		1.557	NAV	☐
4a	---	1.558 all allowed combinations according to 3GPP TS 07.01 B.1.3.1.2 (3GPP TS 27.001) implemented (if not, provide detailed description)	☐	

Table A.10a (3GPP TS 51.010-2)**: Bearer Service 30..34, UDI, 48 kbps and 56 kbps bit transparent**

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Phase2	1.559 Signalling Access Protocol (SAP)	I.440	☐
		1.560	X.21	☐
2	R96	1.561 Fixed Network User Rate (FNUR)	48	☐
		1.562	56	☐
3	---	1.563 all allowed combinations according to 3GPP TS 07.01 B.1.3.1.4 (3GPP TS 27.001) implemented (if not, provide detailed description)	☐	

Table A.10b (3GPP TS 51.010-2)**: Bearer Service 30..34, UDI, 64 kbps bit transparent**

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Phase2	1.564 Signalling Access Protocol (SAP)	I.440	☐
		1.565	X.21	☐
2	R96	1.566 Acceptable channel codings (ACC)	9.6	☐
		1.567	14.4	☐
3	R96	1.568 Maximum number of Traffic Channels (MaxNumTCH)	5	☐
		1.569	6	☐
4	---	1.570 all allowed combinations according to 3GPP TS 07.01 B.1.3.1.5 (3GPP TS 27.001) implemented (if not, provide detailed description)	☐	

Table A.11 (3GPP TS 51.010-2)**: Bearer Service 30..34, 3.1 kHz, Non-X.32**

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Phase2	1.571 Radio Channel Requirement (RCR)	dualHR	☐
		1.572	FR	☐
		1.573	dualFR	☐
2	Phase2	1.574 Intermediate Rate (IR)	8 kbps	☐
		1.575	16 kbps	☐
3	Phase2	1.576 User Rate (UR)	1.2	☐
		1.577	2.4	☐
		1.578	4.8	☐
		1.579	9.6	☐
4	Phase2	1.580 Modem Type (MT)	V.22	☐
		1.581	V.22bis	☐
		1.582	V.26ter	☐
		1.583	V.32	☐
5	R96	1.584 Other Modem Type (OMT)	no other MT	☐
		1.585	V.34	☐
		1.586	NAV	☐
6	R96	1.587 Fixed Network User Rate (FNUR)	9.6	☐
		1.588	14.4	☐
		1.589	19.2	☐
		1.590	28.8	☐

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Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
		1.591	NAV	☐

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Item	Release	Bearer Capability Elements		Values	
				Allowed	Supported
7	R96	1.592	Acceptable channel codings (ACC)	4.8	☐
		1.593		9.6	☐
		1.594		14.4	☐
		1.595		NAV	☐
8	R96	1.596	Maximum number of Traffic Channels (MaxNumTCH)	1	☐
		1.597		2	☐
		1.598		3	☐
		1.599		4	☐
		1.600		NAV	☐
5a	---	1.601	all allowed combinations according to 3GPP TS 07.01 B.1.3.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description)	☐	

Table A.12 (3GPP TS 51.010-2)**: Bearer Service 30..34, 3.1kHz, X.32**

Item	Release	Bearer Capability Elements		Values	
				Allowed	Supported
1	Phase2	1.602	Connection Element (CE)	NT	☐
		1.603		bothNT	☐
		1.604		T	☐
		1.605		bothT	☐
2	Phase2	1.606	Radio Channel Requirement (RCR)	dualHR	☐
		1.607		FR	☐
		1.608		dualFR	☐
3	Phase2	1.609	Intermediate Rate (IR)	8 kbps	☐
		1.610		16 kbps	☐
4	Phase2	1.611	User Rate (UR)	2.4	☐
		1.612		4.8	☐
		1.613		9.6	☐
5	Phase2	1.614	Modem Type (MT)	V.22bis	☐
		1.615		V.26ter	☐
		1.616		V.32	☐
6	R96	1.617	Other Modem Type (OMT)	no other MT	☐
		1.618		V.34	☐
		1.619		NAV	☐
7	R96	1.620	Fixed Network User Rate (FNUR)	9.6	☐
		1.621		14.4	☐
		1.622		19.2	☐
		1.623		28.8	☐
		1.624		NAV	☐
8	R96	1.625	Wanted Air Interface User Rate (WAIUR)	9.6	☐
		1.626		14.4	☐
		1.627		19.2	☐
		1.628		28.8	☐
		1.629		NAV	☐
9	R96	1.630	Acceptable channel codings (ACC)	4.8	☐
		1.631		9.6	☐
		1.632		14.4	☐
		1.633		NAV	☐
10	R96	1.634	User Initiated Modification Indication (UIMI)	not req.	☐
		1.635		upto1	☐
		1.636		upto2	☐
		1.637		upto3	☐
		1.638		upto4	☐
		1.639		NAV	☐
11	R96	1.640	Maximum number of Traffic Channels (MaxNumTCH)	1	☐
		1.641		2	☐
		1.642		3	☐
		1.643		4	☐
		1.644		NAV	☐
6a	---	1.645	all allowed combinations according to 3GPP TS 07.01 B.1.3.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description)	☐	

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Table A.13 (3GPP TS 51.010-2)**: Bearer Service 40..46, PAD Access**

Item	Release	Bearer Capability Elements		Values	
				Allowed	Supported
1	Phase2	1.646	Connection Element (CE)	NT	☐
		1.647		bothNT	☐
		1.648		T	☐
		1.649		bothT	☐
2	Phase2	1.650	User Info Layer 2 Protocol (UIL2P)	ISO6429	☐
		1.651		COPnoFICt	☐
		1.652		NAV	☐
3	Phase2	1.653	Number of Data Bits(NDB)	7 bits	☐
		1.654		8 bits	☐
4	Phase2	1.655	Parity Information (NPB)	odd	☐
		1.656		even	☐
		1.657		0	☐
		1.658		1	☐
		1.659		none	☐
5	Phase2	1.660	Number of Stop Bits (NSB)	1 bit	☐
		1.661		2 bits	☐
6	Phase2	1.662	Radio Channel Requirement (RCR)	dualHR	☐
		1.663		FR	☐
		1.664		dualFR	☐
7	Phase2	1.665	Intermediate Rate (IR)	8 kbps	☐
		1.666		16 kbps	☐
8	Phase2	1.667	User Rate (UR)	0.3	☐
		1.668		1.2	☐
		1.669		2.4	☐
		1.670		4.8	☐
		1.671		9.6	☐
		1.672		1.2/0.075	☐
9	R96	1.673	Fixed Network User Rate (FNUR)	9.6	☐
		1.674		14.4	☐
		1.675		19.2	☐
		1.676		28.8	☐
		1.677		38.4	☐
		1.678		48	☐
		1.679		56	☐
		1.680		NAV	☐
10	R96	1.681	Wanted Air Interface User Rate (WAIUR)	9.6	☐
		1.682		14.4	☐
		1.683		19.2	☐
		1.684		28.8	☐
		1.685		38.4	☐
		1.686		43.2	☐
		1.687		57.6	☐
		1.688		NAV	☐
11	R96	1.689	Acceptable channel codings (ACC)	4.8	☐
		1.690		9.6	☐
		1.691		14.4	☐
		1.692		NAV	☐
12	R96	1.693	User Initiated Modification Indication (UIMI)	not req.	☐
		1.694		upto1	☐
		1.695		upto2	☐
		1.696		upto3	☐
		1.697		upto4	☐
		1.698		NAV	☐
13	R96	1.699	Maximum number of Traffic Channels (MaxNumTCH)	1	☐
		1.700		2	☐
		1.701		3	☐
		1.702		4	☐
		1.703		NAV	☐
9a	---	1.704	all allowed combinations according to 3GPP TS 07.01 B.1.4 (3GPP TS 27.001) implemented (if not, provide detailed description)	☐	

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Table A.14 (3GPP TS 51.010-2)**: Bearer Service 50..53, Data Packet Duplex Synchronous**

Item	Release	Bearer Capability Elements		Values	
				Allowed	Supported
1	Phase2	1.705	Radio Channel Requirement (RCR)	dualHR	☐
		1.706		FR	☐
		1.707		dualFR	☐
2	Phase2	1.708	Intermediate Rate (IR)	8 kbps	☐
		1.709		16 kbps	☐
3	Phase2	1.710	User Rate (UR)	0.3	☐
		1.711		1.2	☐
		1.712		2.4	☐
		1.713		4.8	☐
		1.714		9.6	☐
		1.715		1.2/0.075	☐
4	R96	1.716	Fixed Network User Rate (FNUR)	9.6	☐
		1.717		14.4	☐
		1.718		19.2	☐
		1.719		28.8	☐
		1.720		38.4	☐
		1.721		48	☐
		1.722		56	☐
		1.723		NAV	☐
5	R96	1.724	Wanted Air Interface User Rate (WAIUR)	9.6	☐
		1.725		14.4	☐
		1.726		19.2	☐
		1.727		28.8	☐
		1.728		38.4	☐
		1.729		43.2	☐
		1.730		57.6	☐
		1.731		NAV	☐
6	R96	1.732	Acceptable channel codings (ACC)	4.8	☐
		1.733		9.6	☐
		1.734		14.4	☐
		1.735		NAV	☐
7	R96	1.736	User Initiated Modification Indication (UIMI)	not req.	☐
		1.737		upto1	☐
		1.738		upto2	☐
		1.739		upto3	☐
		1.740		upto4	☐
		1.741		NAV	☐
8	R96	1.742	Maximum number of Traffic Channels (MaxNumTCH)	1	☐
		1.743		2	☐
		1.744		3	☐
		1.745		4	☐
		1.746		NAV	☐
4a	---	1.747	all allowed combinations according to 3GPP TS 07.01 B.1.5 (3GPP TS 27.001) implemented (if not, provide detailed description)	☐	

Table A.15 (3GPP TS 51.010-2)**: Bearer Service 61, Alternate Speech/Data, "Speech"**

Item	Release	Bearer Capability Elements		Values	
				Allowed	Supported
1	Phase2	1.748	Radio Channel Requirement (RCR)	dualHR	☐
		1.749		FR	☐
		1.750		dualFR	☐

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Table A.16 (3GPP TS 51.010-2)**: Bearer Service 61, Alternate Speech/Data, 3.1kHz, Async**

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Phase2	1.751 Connection Element (CE)	NT	☐
		1.752	bothNT	☐
		1.753	T	☐
		1.754	bothT	☐
2	Phase2	1.755 User Info Layer 2 Protocol (UIL2P)	ISO6429	☐
		1.756	COPnoFICt	☐
		1.757	NAV	☐
3	Phase2	1.758 Number of Data Bits (NDB)	7 bits	☐
		1.759	8 bits	☐
4	Phase2	1.760 Parity Information (NPB)	odd	☐
		1.761	even	☐
		1.762	0	☐
		1.763	1	☐
		1.764	none	☐
5	Phase2	1.765 Number of Stop Bits (NSB)	1 bit	☐
		1.766	2 bits	☐
6	Phase2	1.767 Radio Channel Requirement (RCR)	dualHR	☐
		1.768	FR	☐
		1.769	dualFR	☐
7	Phase2	1.770 Intermediate Rate (IR)	8 kbps	☐
		1.771	16 kbps	☐
8	Phase2	1.772 User Rate (UR)	0.3	☐
		1.773	1.2	☐
		1.774	2.4	☐
		1.775	4.8	☐
		1.776	9.6	☐
		1.777	1.2/0.075	☐
9	R96	1.778 Modem Type (MT)	V.21	☐
		1.779	V.22	☐
		1.780	V.22bis	☐
		1.781	V.26ter	☐
		1.782	V.32	☐
		1.783	V.23	☐
		1.784	auto1	☐
10	---	1.785 all allowed combinations according to 3GPP TS 07.01 B.1.6.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description)	☐	

Table A.17 (3GPP TS 51.010-2)**: Bearer Service 61, Alternate Speech/Data, 3.1kHz, Sync**

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Phase2	1.786 Radio Channel Requirement (RCR)	dualHR	☐
		1.787	FR	☐
		1.788	dualFR	☐
2	Phase2	1.789 Intermediate Rate (IR)	8 kbps	☐
		1.790	16 kbps	☐
3	Phase2	1.791 User Rate (UR)	1.2	☐
		1.792	2.4	☐
		1.793	4.8	☐
		1.794	9.6	☐
4	R96	1.795 Modem Type (MT)	V.22	☐
		1.796	V.22bis	☐
		1.797	V.26ter	☐
		1.798	V.32	☐
5	---	1.799 all allowed combinations according to 3GPP TS 07.01 B.1.6.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description)	☐	

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Table A.18 (3GPP TS 51.010-2)**: Bearer Service 81, Speech followed by Data, "Speech"**

Item	Release	Bearer Capability Elements		Values	
				Allowed	Supported
1	Phase2	1.800	Radio Channel Requirement (RCR)	dualHR	☐
		1.801		FR	☐
		1.802		dualFR	☐

Table A.19 (3GPP TS 51.010-2)**: Bearer Service 81, Speech followed by Data, 3.1kHz, Async**

Item	Release	Bearer Capability Elements		Values	
				Allowed	Supported
1	Phase2	1.803	Connection Element (CE)	NT	☐
		1.804		bothNT	☐
		1.805		T	☐
		1.806		bothT	☐
2	Phase2	1.807	User Info Layer 2 Protocol (UIL2P)	ISO6429	☐
		1.808		COPnoFICt	☐
		1.809		NAV	☐
3	Phase2	1.810	Number of Data Bits(NDB)	7 bits	☐
		1.811		8 bits	☐
4	Phase2	1.812	Parity Information (NPB)	odd	☐
		1.813		even	☐
		1.814		0	☐
		1.815		1	☐
		1.816		none	☐
5	Phase2	1.817	Number of Stop Bits (NSB)	1 bit	☐
		1.818		2 bits	☐
6	Phase2	1.819	Radio Channel Requirement (RCR)	dualHR	☐
		1.820		FR	☐
		1.821		dualFR	☐
7	Phase2	1.822	Intermediate Rate (IR)	8 kbps	☐
		1.823		16 kbps	☐
8	Phase2	1.824	User Rate (UR)	0.3	☐
		1.825		1.2	☐
		1.826		2.4	☐
		1.827		4.8	☐
		1.828		9.6	☐
		1.829		1.2/0.075	☐
9	R96	1.830	Modem Type (MT)	V.21	☐
		1.831		V.22	☐
		1.832		V.22bis	☐
		1.833		V.26ter	☐
		1.834		V.32	☐
		1.835		V.23	☐
		1.836		auto1	☐
10	---	1.837	all allowed combinations according to 3GPP TS 07.01 B.1.7.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description)	☐	

Table A.20 (3GPP TS 51.010-2)**: Bearer Service 81, Speech followed by Data, 3.1kHz, Sync**

Item	Release	Bearer Capability Elements		Values	
				Allowed	Supported
1	Phase2	1.838	Radio Channel Requirement (RCR)	dualHR	☐
		1.839		FR	☐
		1.840		dualFR	☐
2	Phase2	1.841	Intermediate Rate (IR)	8 kbps	☐
		1.842		16 kbps	☐
3	Phase2	1.843	User Rate (UR)	1.2	☐
		1.844		2.4	☐
		1.845		4.8	☐
		1.846		9.6	☐
4	R96	1.847	Modem Type (MT)	V.22	☐
		1.848		V.22bis	☐
		1.849		V.26ter	☐
		1.850		V.32	☐
5	---	1.851	all allowed combinations according 3GPP TS 07.01 B.1.7.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description)	☐	

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Table A.21 (3GPP TS 51.010-2)**: Teleservice 11..12, Speech**

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Phase2	1.852 Radio Channel Requirement (RCR)	dualHR	☒
		1.853	FR	☒
		1.854	dualFR	☒

Table A.22 (3GPP TS 51.010-2)**: Alternate Speech and Facsimile group 3, Speech**

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Phase2	1.855 Radio Channel Requirement (RCR)	dualHR	☐
		1.856	FR	☐
		1.857	dualFR	☐

Table A.23 (3GPP TS 51.010-2)**: Alternate Speech and Facsimile group 3, Facsimile group 3**

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Phase2	1.858 Connection Element (CE)	NT	☐
		1.859	bothNT	☐
		1.860	T	☐
		1.861	bothT	☐
2	Phase2	1.862 User Info Layer 2 Protocol (UIL2P)	X.25	☐
		1.863	NAV	☐
3	Phase2	1.864 Intermediate Rate (IR)	8 kbps	☐
		1.865	16 kbps	☐
4	Phase2	1.866 User Rate (UR)	2.4	☐
		1.867	4.8	☐
		1.868	9.6	☐
5	---	1.869 all allowed combinations according 3GPP TS 07.01 B.1.10.2 (3GPP TS 27.001) implemented (if not, provide detailed description)	☐	

Table A.24 (3GPP TS 51.010-2)**: Teleservice 62, Automatic G3 fax**

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Phase2	1.870 Connection Element (CE)	NT	☐
		1.871	bothNT	☐
		1.872	T	☒
		1.873	bothT	☒
2	Phase2	1.874 User Info Layer 2 Protocol (UIL2P)	X.25	☒
		1.875	NAV	☒
3	Phase2	1.876 Intermediate Rate (IR)	8 kbps	☒
		1.877	16 kbps	☒
4	Phase2	1.878 User Rate (UR)	2.4	☒
		1.879	4.8	☒
		1.880	9.6	☒
5	---	1.881 all allowed combinations according to 3GPP TS 07.01 B.1.11 (3GPP TS 27.001, annex B) implemented (if not, provide detailed description)	☒	

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Table A.25 (3GPP TS 51.010-2)**: Additional Information**

Item	Release	Additional Information		Supported
1	Phase2	1.882	at least one half rate service	☒
2	Phase2	1.883	Speech supported for Full rate version 1 (GSM FR)	☒
3	Phase2	1.884	Speech supported for Half rate version 1 (GSM HR)	☐
4	Phase2	1.885	at least one data service	☒
5	Phase2	1.886	at least one full rate data service	☒
6	Phase2	1.887	at least one half rate data service	☐
7	Phase2	1.888	at least one non transparent data service	☒
8	Phase2	1.889	at least one transparent data service	☒
9	Phase2	1.890	only transparent data service	☐
10	Phase2	1.891	at least one asynchronous data service	☒
11	Phase2	1.892	at least one asynchronous non transparent data service	☒
12	Phase2	1.893	2.4 k full rate data mode	☒
13	Phase2	1.894	2.4 k half rate data mode	☐
14	Phase2	1.895	4.8 k full rate data mode	☒
15	Phase2	1.896	4.8 k half rate data mode	☐
16	Phase2	1.897	9.6 k full rate data mode	☒
17	Phase2	1.898	non transparent service with full rate channel at a user rate of 4.8 kbit/s	☒
18	Phase2	1.899	at least one bearer capability	☒
19	Phase2	1.900	at least one MT circuit switched basic service	☒
20	Phase2	1.901	at least one MO circuit switched basic service	☒
21	Phase2	1.902	only SDCCH	☐
22	Phase2	1.903	at least one service on traffic channel supported	☒
23	Phase2	1.904	dual rate radio channel types (no relation to supported speech codecs)	☐
24	Phase2	1.905	only full rate radio channel type (no relation to supported speech codecs)	☒
25	Phase2	1.906	at least one teleservice	☒
26	Phase2	1.907	CC protocol for at least one BC	☒
27	Phase2	1.908	only circuit switched basic service supported by the mobile is emergency call	☐
28	Phase2	1.909	Fax Error Correction Mode	☐
29	Phase2	1.910	at least one supplementary service	☒
30	Phase2	1.911	non call related supplementary service	☒
31	Phase2	1.912	at least one short message service	☒
32	Phase2	1.913	(SMS) reply procedure	☐
33	Phase2	1.914	replace SMS	☐
34	Phase2	1.915	display of received SMS	☒
35	Phase2	1.916	SMS status report capabilities	☒
36	Phase2	1.917	Storing of short messages in the SIM	☒
37	Phase2	1.918	Storing of short messages in the ME	☒
38	Phase2	1.919	detach on power down	☒
39	Phase2	1.920	detach on SIM remove	☐
40	Phase2	1.921	SIM removable without power down	☐
41	Phase2	1.922	ID-1 SIM	☐
42	Phase2	1.923	Plug-In SIM	☒
43	Phase2	1.924	Disable PIN feature	☒
44	Phase2	1.925	PIN2 feature	☒
45	Phase2	1.926	Feature requiring entry of PIN2	☒
46	Phase2	1.927	Chars 0-9, *, # supported	☒
47	Phase2	1.928	A, B, C, D chars. supported	☒
48	Phase2	1.929	automatically enter automatic selection of PLMN mode	☒
49	Phase2	1.930	alerting indication to the user	☒
50	R98	1.931	Appl. Layer is always running	☐
51	Phase2	1.932	Immediate connect supported for all circuit switched basic services	☐
52	Phase2	1.933	In-Call modification	☒
53	Phase2	1.934	follow-on request procedure	☒
54	Phase2	1.935	refusal of call	☐
55	Phase2	1.936	RF amplification	☐
56	Phase2	1.937	Number of B-party number for autocalling is greater than the number of entries in the blacklist	☐
57	Phase2	1.938	Handset MS supporting speech	☐
58	Phase2	1.939	MT2 Configuration	☒
59	Phase2	1.940	MT2 Configuration or any other possibility to send data over Um interface	☒
60	Rel-4	1.941	Permanent Antenna Connector	☒
61	Phase2	1.942	Pseudo-synchronized handover supported	☒
62	R96	1.943	5V only SIM/ME interface	☐
63	R96	1.944	3V only SIM/ME interface	☒
64	R96	1.945	3V/5V SIM/ME interface	☐
65	Phase2	1.946	Speech supported for Full rate version 2 (GSM EFR)	☒

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Item	Release	Additional Information		Supported
66a	Phase2	1.947	RLP supports non default parameters	☒
66b	R96	1.948	Support of listening to voice broadcast calls (VBS listening)	☐
67	R96	1.949	Support of originating voice broadcast call (VBS originating)	☐
68	R96	1.950	Support of listening to voice group calls (VGCS listening)	☐
69	R96	1.951	Support of talking in voice group calls (VGCS talking)	☐
70	R96	1.952	Support of originating voice group call (VGCS originating)	☐
71	R96	1.953	Support reduced NCH monitoring	☐
72	R96	1.954	14.4 k data mode	☒
73	Phase2	1.955	Implementation of cause number 27 of busy autocalling in category 2	☐
74	Phase2	1.956	Implementation of cause number 27 of busy autocalling in category 3	☐
75		1.957	(Void)	---
76	Phase2 *	1.958	Artificial ear type 1 (* Phase 2 up to and including Release 4)	☒
77	Phase2	1.959	Artificial ear type 3.2, Low leak option	☐
78	R96	1.960	Artificial ear type 3.4	☒
79	R98	1.961	Speech supported for Full rate version 3 (FR AMR)	☒
80	R96	1.962	NCH monitoring in group receive mode	☐
81	R96	1.963	NCH monitoring in group transmit mode	☐
82	R96	1.964	NCH monitoring in dedicated mode	☐
83	R97	1.965	Support of one PDP context activation	☐
84	R97	1.966	Support of more than one PDP context activation	☐
85	R97	1.967	Support of more than one PDP context activation simultaneously on the same SAPI	☐
86	R97	1.968	Support of GPRS data compression	☐
87	R98	1.969	Support of GPRS header compression	☐
88	R97	1.970	Support of Network requested PDP context activation	☐
89	R97	1.971	Support for user settings of minimum QoS	☐
90	R97	1.972	Automatic GPRS attach procedure at switch-on/power-on	☐
91	R97	1.973	MMI controlled attach/detach procedures for non-GPRS services	☐
92	R97	1.974	Automatic attach procedure when MS identity cannot derived by the network	☐
93	R98	1.975	Automatic MM IMSI attach procedure at switch-on / power-on	☒
94	R96	1.976	Support of SIM Application Toolkit	☒
95	R98	1.977	1,8V only SIM/ME interface	☒
96	R98	1.978	1,8V/3V SIM/ME interface	☒
97	Phase2	1.979	Multiple SM MO/PP on same RR link	☒
98	Phase2	1.980	Support of stored list cell selection	☒
99	Phase2	1.981	at least one service not support immediate connection	☒
100		1.982	(Void)	---
101		1.983	(Void)	---
102	Phase2	1.984	EFR_EmgCallSetup message contains the bearer capability	☒
103	Phase2	1.985	Support of MonitorPCH_GroupTransmitMode	☐
104	Rel-4	1.986	Integral_Antenna Connector	☐
105	R97	1.987	User requested combined GPRS and non-GPRS detached without powering off	☐
106	R97	1.988	User requested non-GPRS detached	☐
107	Phase2	1.989	Artificial ear type 3.2, High leak option	☐
108	R96	1.990	Artificial ear type 3.3	☐
109	Phase2	1.991	Support of Multiple SMS	☒
110	R97	1.992	Cell Reselection after T3184 Expiry	☐
111	R97	1.993	GPRS attach attempted automatically due to outstanding request	☐
112	R98	1.994	Speech supported for Half rate version 3 (HR AMR)	☒
113	R5	1.995	AMR LoopBack Modes	☐
114	R99	1.996	TTY services	☒
115	R99	1.997	Support of Secondary PDP Context Activation	☐
116	Phase2	1.998	Support of MO SMS Concatenation	☒
117	Phase2	1.999	Support of MT SMS Concatenation	☒
118	R97	1.1000	NITZ Supported	☒
119	R97	1.1001	Use of NITZ DST (Daylight Saving Time)	☒
120		1.1002	(Void)	---
121	R97	1.1003	Re-attach automatically when the network commands a detach with no cause value	☐
122	R98	1.1004	Support of GPRS header compression algorithm type RFC 1144	☐
123	R99	1.1005	Support of GPRS header compression algorithm type RFC 2507	☐
124	Rel-6	1.1006	Support of ROHC algorithm type RFC 3241	☐
125	Rel-6	1.1007	Support of ROHC algorithm type RFC 3242	☐
126	Rel-6	1.1008	Support of ROHC algorithm type RFC 3408	☐
127	Rel-6	1.1009	Support of ROHC algorithm type RFC 3095	☐
128	R97	1.1010	The way to trigger transferring of new user data in a different PDP context while an uplink transfer is in progress	☐
129	R99	1.1011	Support of DARP phase 1	☐
130	R99	1.1012	Support of Card Application	☐

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Item	Release	Additional Information	Supported
131	Rel-5	1.1013 Support of GSM half rate speech version 6 (O-TCH/AHS)	☐
132	R99	1.1014 MS with improved receiver performance	☐
133	Rel-5	1.1015 Support of GSM speech full rate version 4 (O-TCH/WFS)	☐
134	R97	1.1016 Verification for correct repetition of new password	☐
135	R99	1.1017 MS using reduced interslot dynamic range in multislot configurations	☐
136	Rel-5	1.1018 Support of GSM speech half rate version 4 (O-TCH/WHS)	☐
137	Rel-5	1.1019 Support of GSM Speech Full Rate version 5 (TCH/WFS)	☐
138	Phase2	1.1020 Support of overwriting the existing Class 2 SMS	☐
139	Rel-6	1.1021 Support of Repeated ACCH	☐
140	R98	1.1022 Support for a method for resetting stored A-GPS assistance data	☐
141	Rel-7	1.1023 Support of DARP phase 2	☐
142	Rel-4	1.1024 Support of Rel-4 acoustic implementation	☐
143	R99	1.1025 MS with no components having RF performance sensitive to vibration condition during testing	☐
144	R97	1.1026 Use of NITZ Full Name	☒
145	R97	1.1027 Use of NITZ Short Name	☒
146	R97	1.1028 Use of NITZ Universal Time	☒
147	R97	1.1029 Use of NITZ Local Time Zone	☒

Table A.25.1 (3GPP TS 51.010-2)**: Additional Information (requiring values)**

Item	Release	Additional Information	Support	Values	
				Allowed	Supported
1	R98	1.1030 AMR C/I normalization factor (units: dB)	1.1031 ☒	0 … ∞	0
2	R98	1.1032 Loop C delay Full rate (round trip delay, in number of TDMA frames)	1.1033 ☒	1 … ∞	1
3	R99	1.1034 AMR C/I normalization factors (AFS, DARP) 12 values representing SS adjustment of variable normalization factors for C/I values as stated in 14.10.3 (units: dB)	1.1035 ☐	0 … ∞, 0 … ∞, ... 0 … ∞	
4	R99	1.1036 AMR C/I normalization factors (AHS, DARP) 10 values representing SS adjustment of variable normalization factors for C/I values as stated in 14.10.4 (units: dB)	1.1037 ☐	0 … ∞, 0 … ∞, ... 0 … ∞	
5	Rel-5	1.1038 O-TCH/F C/I normalization factor (units: dB)	1.1039 ☐	0 … ∞	
6	R98	1.1040 Loop C delay Half rate (round trip delay, in number of TDMA frames)	1.1041 ☐	1 … ∞	
7	R99	1.1042 Averaging time Tav 1.1043 This time is the time between the first and the last measurement sample taken on one carrier during one averaging period when measurering received signal strength	1.1044 ☐	0 … ∞	
8	Rel-5	1.1045 TCH/WFS C/I normalization factor	1.1046 ☐	0 … ∞	
9	Rel-5	1.1047 TCH/WFS CI normalization factors (TCH/WFS, DARP) 1.1048 12 values representing SS adjustment of variable normalization factors for C/I values as stated in 14.10.9 (units: dB)	1.1049 ☐	0 … ∞, 0 … ∞, ... 0 … ∞	

Support of UTRAN Radio Access Technology

Table A.27 (3GPP TS 51.010-2)**: Support of UTRAN Radio Access Technology**

Item	Release	Additional Information	Supported
1	R99	1.1050 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + UL:3.4 DL 3.4 kbps SRBs for DCCH	☐
2	R99	1.1051 Streaming / unknown / UL:14.4/DL:14.4 kbps / CS RAB + UL:3.4 DL 3.4 kbps SRBs for DCCH	☐
3	R99	1.1052 Streaming / unknown / UL:28.8/DL:28.8 kbps / CS RAB + UL:3.4 DL 3.4 kbps SRBs for DCCH	☐

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Item	Release	Additional Information	Supported
4	R99	1.1053 Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB + UL:3.4 DL 3.4 kbps SRBs for DCCH	☐

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Support of SIM Application Toolkit

Supported SIM Application Toolkit Releases

Item		SIM Application Toolkit Release	Supported
1	1.1054	ME supports **all** SIM Application Toolkit features according to R96	☐
2	1.1055	ME supports **all** SIM Application Toolkit features according to R97	☒
3	1.1056	ME supports **all** SIM Application Toolkit features according to R98	☐
4	1.1057	ME supports **all** SIM Application Toolkit features according to R99	☐

Table of Optional Features (according to 3GPP TS 51.010-4 Section 3.3 Table A.1)

Item		Option	Supported
1	1.1058	Capability Configuration parameter	☒
2	1.1059	Sustained text	☐
3	1.1060	UCS2 coding scheme for Entry	☒
4	1.1061	Extended Text String	☒
5	1.1062	Help information	☒
6	1.1063	Icons	☐
7	1.1064	Class A: Dual Slot	☐
8	1.1065	Detachable reader	☐
9	1.1066	Class B: RUN AT	☐
10	1.1067	Class C: LAUNCH BROWSER	☐
11	1.1068	Class D: Soft keys	☐
12	1.1069	Class E: B.I.P related to CSD	☐
13	1.1070	Screen sizing parameters	☐
14	1.1071	Screen Resizing	☐
15	1.1072	UCS2 coding scheme for Display	☒
16	1.1073	Mobile supporting GPRS	☐
17	1.1074	Mobile supporting UDP	☐
18	1.1075	Mobile supporting TCP	☐
19	1.1076	Redial in Set Up Call	☐
20	1.1077	Mobile decision to respond with "No response from user" in finite time	☒
21	1.1078	Class E: B.I.P related to GPRS	☐
22	1.1079	Mobile supporting Called Party Subaddress	☒
23	1.1080	Mobile supporting Fixed Dialling Numbers	☒
24	1.1081	Mobile supporting Barred Dialling Numbers	☒
25	1.1082	Mobile supporting “+CIMI” in combination with Run AT Command	☐
26	1.1083	UCS2 in Cyrillic	☒
27	1.1084	Mobile supporting ‘9EXX’response code for SIM data download error	☒
28	1.1085	Mobile supporting Envelope Call Control always sent to the SIM during automatic redial mode	☐
29	1.1086	Mobile supporting 2nd alpha identifier in SET UP CALL	☒
30	1.1087	Mobile supporting Open Channel (GPRS) not containing a Network Access Name TLV when no default Access Point Name is set in the terminal configuration	☐
31	1.1088	Preferred buffer size supported by the terminal for Open Channel command is greater than 0 byte and less than 65535 bytes	☐
32	1.1089	Terminal supports Dual Transfer Mode (allowing GPRS connection and call at the same time)	☐
33	1.1090	Terminal supports Long ForwardToNumber	☐
34	1.1091	Terminal executes User confirmation phase before sending PDP context activation request	☐
35	1.1092	Terminal supports SAT and USAT	☐
36	1.1093	ME requesting for user confirmation before sending the Envelope Call Control command	☐
37	1.1094	ME requesting for user confirmation after sending the Envelope Call Control command	☐

ME’s default configuration (according to 3GPP TS 51.010-4 Section 5.4 Table A.2)

Item		Description	Status	Value
1	1.1095	DISPLAY TEXT: No response from user Timeout interval	1.1096	30
2	1.1097	GET INKEY: No response from user Timeout interval	1.1098	30
3	1.1099	GET INPUT: No response from user Timeout interval	1.1100	30
4	1.1101	SELECT ITEM: No response from user Timeout interval	1.1102	30
5	1.1103	Preferred buffer size supported by the terminal for Open Channel command	1.1104	
1.1105		NOTE: Conditional values shall be provided if the corresponding option is supported in the Table A.1		

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Additional SIM Application Toolkit Information (see options O.1/O.2 within to 3GPP TS 51.010-4 Section 3.4 Table B.1)

Item	Release	Additional Information	Supported
1	R98	1.1106 ME supports icons as defined in record 1 of EF_{IMG} within 3GPP TS 51.010-4 section 27.22.2A 'Definition of default values for SIM Application Toolkit testing'	☐
2	R98	1.1107 ME supports icons as defined in record 2 of EF_{IMG} within 3GPP TS 51.010-4 section 27.22.2A 'Definition of default values for SIM Application Toolkit testing'	☐

Details of TERMINAL PROFILE Support (according to 3GPP TS 51.010-4 Annex E)

Item	Release	Terminal Profile	Supported
1	R96	1.1108 Profile Download	☒
2	R96	1.1109 SMS-PP data download	☒
3	R96	1.1110 Cell Broadcast data download	☒
4	R96	1.1111 Menu selection	☒
5	R97	1.1112 '9EXX' response code for SIM data download error	☒
6	R98	1.1113 Timer expiration	☐
7	R98	1.1114 USSD string data object supported in call control	☒
8	R99	1.1115 Envelope Call Control always sent to the SIM during automatic redial mode	☒
9	R96	1.1116 Command result	☐
10	R96	1.1117 Call Control by SIM	☒
11	R97	1.1118 Cell identity included in Call Control by SIM	☒
12	R98	1.1119 MO short message control by SIM	☒
13	R97	1.1120 Handling of the alpha identifier	☒
14	R97	1.1121 UCS2 Entry supported	☒
15	R97	1.1122 UCS2 Display supported	☒
16	R98	1.1123 Display of the extension text	☒
17	R96	1.1124 DISPLAY TEXT	☒
18	R96	1.1125 GET INKEY	☒
19	R96	1.1126 GET INPUT	☒
20	R96	1.1127 MORE TIME	☒
21	R96	1.1128 PLAY TONE	☒
22	R96	1.1129 POLL INTERVAL	☒
23	R96	1.1130 POLLING OFF	☒
24	R96	1.1131 REFRESH	☒
25	R96	1.1132 SELECT ITEM	☒
26	R96	1.1133 SEND SHORT MESSAGE	☒
27	R96	1.1134 SEND SS	☒
28	R98	1.1135 SEND USSD	☒
29	R96	1.1136 SET UP CALL	☒
30	R96	1.1137 SET UP MENU	☒
31	R96	1.1138 PROVIDE LOCAL INFORMATION (LOCI & IMEI)	☒
32	R97	1.1139 PROVIDE LOCAL INFORMATION (NMR)	☒
33	R98	1.1140 SET UP EVENT LIST	☒
34	R98	1.1141 Event : MT call	☒
35	R98	1.1142 Event : Call connected	☒
36	R98	1.1143 Event : Call disconnected	☒
37	R98	1.1144 Event : Location status	☒
38	R98	1.1145 Event : User activity	☒
39	R98	1.1146 Event : Idle screen available	☒
40	R98	1.1147 Event : Card reader status	☐
41	R99	1.1148 Event : Language selection	☐
42	R99	1.1149 Event : Browser Termination	☐
43	R99	1.1150 Event : Data available	☐
44	R99	1.1151 Event : Channel status	☐
45	R96	1.1152 RFU	---
46	R96	1.1153 RFU	---
47	R96	1.1154 RFU	---
48	R96	1.1155 RFU	---
49	R98	1.1156 POWER ON CARD	☐
50	R98	1.1157 POWER OFF CARD	☐
51	R98	1.1158 PERFORM CARD APDU	☐
52	R98	1.1159 GET READER STATUS (Card reader status)	☐
53	R99	1.1160 GET READER STATUS (Card reader identifier)	☐
54	R96	1.1161 RFU	---
55	R96	1.1162 RFU	---
56	R96	1.1163 RFU	---
57	R98	1.1164 TIMER MANAGEMENT (start, stop)	☐

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Item	Release	Terminal Profile		Supported
58	R98	1.1165	TIMER MANAGEMENT (get current value)	☐
59	R98	1.1166	PROVIDE LOCAL INFORMATION (date, time and time zone)	☐
60	R98	1.1167	Binary choice in GET INKEY	☐
61	R98	1.1168	SET UP IDLE MODE TEXT	☐
62	R98	1.1169	RUN AT COMMAND (i.e. class "b" is supported)	☐
63	R98	1.1170	2nd alpha identifier in SET UP CALL	☐
64	R98	1.1171	2nd capability configuration parameter	☐
65	R98	1.1172	Sustained DISPLAY TEXT	☐
66	R98	1.1173	SEND DTMF command	☐
67	R98	1.1174	PROVIDE LOCAL INFORMATION - BCCH	☐
68	R99	1.1175	PROVIDE LOCAL INFORMATION (language)	☐
69	R99	1.1176	PROVIDE LOCAL INFORMATION (Timing Advance)	☐
70	R99	1.1177	LANGUAGE NOTIFICATION	☐
71	R99	1.1178	LAUNCH BROWSER	☐
72	R96	1.1179	RFU	---
73	R99	1.1180	Soft keys support for SELECT ITEM	☐
74	R99	1.1181	Soft Keys support for SET UP MENU	☐
75	R96	1.1182	RFU	---
76	R96	1.1183	RFU	---
77	R96	1.1184	RFU	---
78	R96	1.1185	RFU	---
79	R96	1.1186	RFU	---
80	R96	1.1187	RFU	---
81	R99	1.1188	Maximum number of soft keys available ('FF' = RFU)	☐
82	R99	1.1189	Maximum number of soft keys available ('FF' = RFU)	☐
83	R99	1.1190	Maximum number of soft keys available ('FF' = RFU)	☐
84	R99	1.1191	Maximum number of soft keys available ('FF' = RFU)	☐
85	R99	1.1192	Maximum number of soft keys available ('FF' = RFU)	☐
86	R99	1.1193	Maximum number of soft keys available ('FF' = RFU)	☐
87	R99	1.1194	Maximum number of soft keys available ('FF' = RFU)	☐
88	R99	1.1195	Maximum number of soft keys available ('FF' = RFU)	☐
89	R99	1.1196	OPEN CHANNEL	☐
90	R99	1.1197	CLOSE CHANNEL	☐
91	R99	1.1198	RECEIVE DATA	☐
92	R99	1.1199	SEND DATA	☐
93	R99	1.1200	GET CHANNEL STATUS	☐
94	R96	1.1201	RFU	---
95	R96	1.1202	RFU	---
96	R96	1.1203	RFU	---
97	R99	1.1204	CSD supported by ME	☐
98	R99	1.1205	GPRS supported by ME	☐
99	R96	1.1206	RFU	---
100	R96	1.1207	RFU	---
101	R96	1.1208	RFU	---
102	R99	1.1209	Number of channels supported by ME	☐
103	R99	1.1210	Number of channels supported by ME	☐
104	R99	1.1211	Number of channels supported by ME	☐
105	R99	1.1212	Number of characters supported down the ME	☐
106	R99	1.1213	Number of characters supported down the ME	☐
107	R99	1.1214	Number of characters supported down the ME	☐
108	R99	1.1215	Number of characters supported down the ME	☐
109	R99	1.1216	Number of characters supported down the ME	☐
110	R96	1.1217	RFU	---
111	R96	1.1218	RFU	---
112	R99	1.1219	Screen Sizing Parameters	☐
113	R99	1.1220	Number of characters supported across the ME display	☐
114	R99	1.1221	Number of characters supported across the ME display	☐
115	R99	1.1222	Number of characters supported across the ME display	☐
116	R99	1.1223	Number of characters supported across the ME display	☐
117	R99	1.1224	Number of characters supported across the ME display	☐
118	R99	1.1225	Number of characters supported across the ME display	☐
119	R99	1.1226	Number of characters supported across the ME display	☐
120	R99	1.1227	Variable size fonts Supported	☐
121	R99	1.1228	Display can be resized	☐
122	R99	1.1229	Text Wrapping supported	☐
123	R99	1.1230	Text Scrolling supported	☐
124	R96	1.1231	RFU	---

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Item	Release	Terminal Profile		Supported
125	R96	1.1232	RFU	---
126	R99	1.1233	Width reduction when in a menu	☐
127	R99	1.1234	Width reduction when in a menu	☐
128	R99	1.1235	Width reduction when in a menu	☐
129	R99	1.1236	TCP	☐
130	R99	1.1237	UDP	☐
131	R96	1.1238	RFU	---
132	R96	1.1239	RFU	---
133	R96	1.1240	RFU	---
134	R96	1.1241	RFU	---
135	R96	1.1242	RFU	---
136	R96	1.1243	RFU	---
137	R96	1.1244	RFU	---
138	R96	1.1245	RFU	---
139	R96	1.1246	RFU	---
140	R96	1.1247	RFU	---
141	R96	1.1248	RFU	---
142	R96	1.1249	RFU	---
143	R96	1.1250	RFU	---
144	R96	1.1251	RFU	---
145	R99	1.1252	Protocol Version	☐
146	R99	1.1253	Protocol Version	☐
147	R99	1.1254	Protocol Version	☐
148	R99	1.1255	Protocol Version	☐
149	R96	1.1256	RFU	---
150	R96	1.1257	RFU	---
151	R96	1.1258	RFU	---
152	R96	1.1259	RFU	---

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PIXIT – Protocol Implementation Extra Information for Testing

Power Supply

Nominal battery voltage	3.6	V
Maximal testing voltage	4.5	V
Minimal testing voltage	3.2	V

Receiver Intermediate Frequencies	GSM850	GSM900	GSM1800	GSM1900
F_{lo} – Local Oscillator frequency applied to first receiver mixer	MHz	MHz	MHz	MHz
IF_1 – First intermediate frequency	MHz	MHz	MHz	MHz
IF_2 – Second intermediate frequency	MHz	MHz	MHz	MHz
IF_3 – Third intermediate frequency	MHz	MHz	MHz	MHz

Additional Information		Support
Controlled Early Classmark Sending		☒
Number of CP-DATA retransmissions	value:	1
Timer TC1M value	value:	
MS originated XID negotiation after PDP context activation		☒
Internal Baudot-CTM signal conversion (if TTY is supported)		☐

The PICS and PIXIT information stated on the previous pages are valid for the following Terminal Equipment Type:

Brand Name:	**Wavecom**
Terminal Equipment Type:	**Q24 Classic with SIM Holder**
Hardware Version:	**402**
Software Version:	**Open AT® Firmware 6.57e**

2007-11-27	**Carine Direxel**	
Date (yyyy-mm-dd)	Printed Name	Signature

ANNEX D

of

Partial GSM TEST REPORT

No. 504/07T19

for

Wavecom

GSM 850/900/1800/1900 Terminal Equipment

Type Q24 Classic with SIM Holder

with
Final Hardware Version: 402
Final Software Version: Open AT® Firmware 6.57e

Photographs

This Annex consists of 2 pages

Date of Report: 2007-11-23

***CETECOM* is accredited according to DIN EN ISO/IEC 17025 by:**

Deutscher Akkreditierungs Rat DAR

DAT-P-176/94-C0

CTIA Authorized Test Lab
LAB CODE 20050615-00

Official Observer of GCF

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Board of Directors: Dr. Harald Ansorge, Hans Peter May

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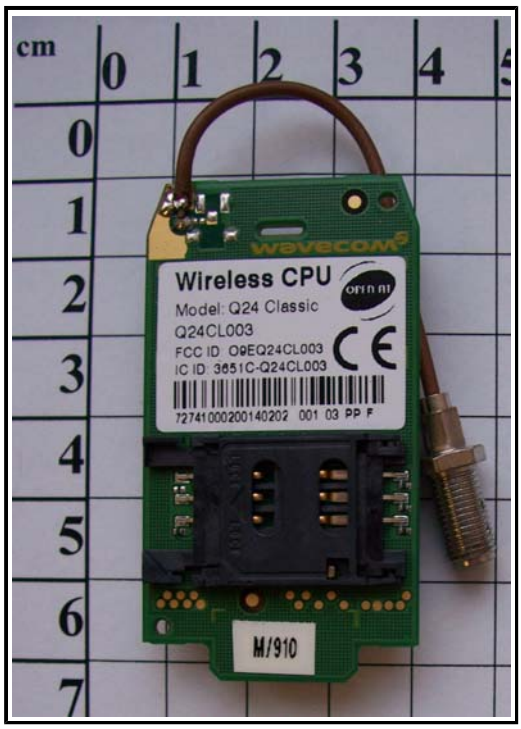
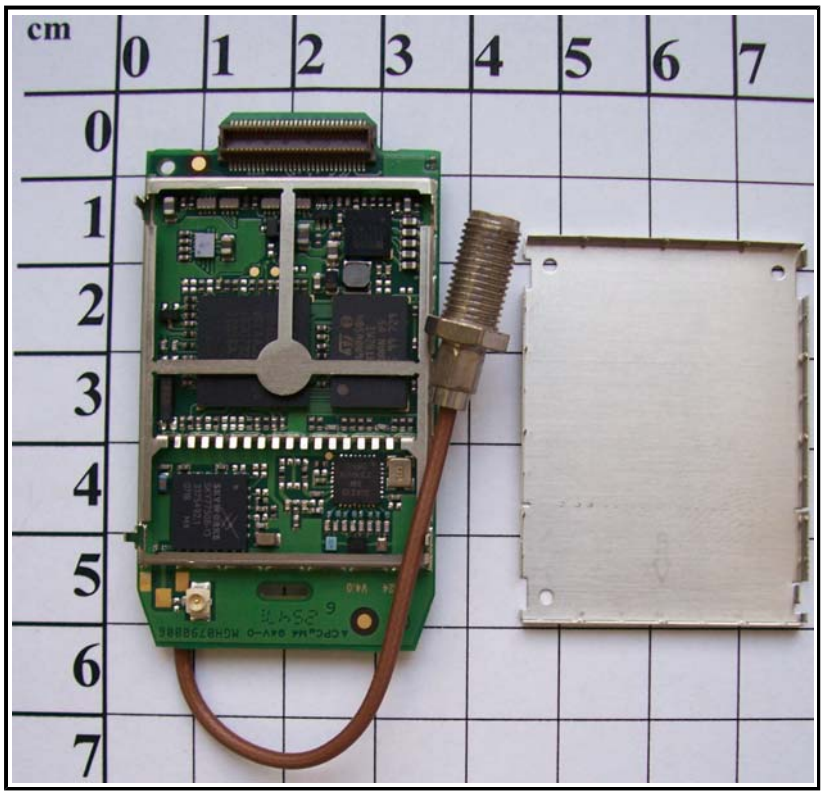
1. Photographs of the Equipment under Test

1.1 Front View of the EUT



1.2 Rear View of the EUT (Inside)



ANNEX E

of

Partial GSM TEST REPORT

No. 504/07T19

for

Wavecom

GSM 850/900/1800/1900 Terminal Equipment

Type Q24 Classic with SIM Holder

with
Final Hardware Version: 402
Final Software Version: Open AT® Firmware 6.57e

Detailed Test Results

This Annex consists of 6 pages

Date of Report: 2007-11-23

***CETECOM* is accredited according to DIN EN ISO/IEC 17025 by:**

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DAT-P-176/94-C0

CTIA Authorized Test Lab
LAB CODE 20050615-00

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1. General Description

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

2. Terms used in the Test Result Table

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

2.1 Main Terms

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 51.010-4 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.
Notes	Information about used test samples, special test situations, special test setups or special interpretations of the test results. See section 2.3 of this annex for detailed information.

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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 tested at *CETECOM*'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 tested at *CETECOM*'s (own or subcontracted) laboratories but is not conformant to the applied standards for this test case in the given GSM frequency band.
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 *CETECOM*'s (own or 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 client's and/or manufacturer's documentation (PICS/PIXIT) this test is not applicable for the given GSM frequency band.
R	"Redundant": This test has not been performed in the given GSM frequency band but the test requirement has been verified by means of another test case (e.g. in the W-CDMA technology).
NO	This test has not been performed with the 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 has not been performed 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 has not been performed 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 has not been performed 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 has not been performed 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.

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2.3 Terms in Column "Notes"

2.3.1 Test Samples used for Testing

The test result table contains **numerical notes** (e.g. "1,4,...") to identify the EUT test samples used for each performed test case.

These numerical notes directly refer to the corresponding EUT Identifier defined in section 3.3 of the Test Report (e.g. note "1,4" indicates that the given test case in the given GSM frequency band has been tested with both terminal test samples identified as EUT1 and EUT4).

2.3.2 Additional Reference Documents for Testing

The test result table may also contain **numerical notes in brackets** (e.g. "[9],[14],..."). These notes directly refer to the corresponding "additional reference documents for testing" as listed in section 4.3 (table 4) of the Test Report. They indicate that these additional reference documents have been applied to the corresponding test case(s).

2.3.3 Special Test Situations, Test Setups and Verdict Interpretations

The test result table may also contain **letter notes** (e.g. "A,C,...") to identify special test situations, special test setups or special interpretations for the given test case. The following letter notes are used:

Note	Explanation
--- no letter note used ---	

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Test Results of Wavecom Q24 Classic with SIM Holder

TS 51.010-1 or TS 51.010-4 Requirement		GCF-CC (V.3.27.1) for R97/98 GSM 900			GCF-CC (V.3.27.1) for R97/98 GSM 1800			NAPRD.03 (V.3.12.0) for R97/98 GSM 850			NAPRD.03 (V.3.12.0) for R97/98 GSM 1900		
Test Case	**Test Description**	**Cat**	**Verdict**	**Notes**	**Cat**	**Verdict**	**Notes**	**Cat**	**Verdict**	**Notes**	**Cat**	**Verdict**	**Notes**
13.1	Frequency error and phase error	---	-----	---	---	-----	---	---	-----	---	---	-----	---
	Normal Temperature \ Normal Voltage	**A**	**PASS**	1,[3]	**A**	**PASS**	1,[3]	**A**	**PASS**	1,[5]	**A**	**PASS**	1,[5]
	Low Temperature \ Low Voltage	**A**	**PASS**	1,[3]	**A**	**PASS**	1,[3]	**A**	**PASS**	1,[5]	**A**	**PASS**	1,[5]
	Low Temperature \ High Voltage	**A**	**PASS**	1,[3]	**A**	**PASS**	1,[3]	**A**	**PASS**	1,[5]	**A**	**PASS**	1,[5]
	High Temperature \ Low Voltage	**A**	**PASS**	1,[3]	**A**	**PASS**	1,[3]	**A**	**PASS**	1,[5]	**A**	**PASS**	1,[5]
	High Temperature \ High Voltage	**A**	**PASS**	1,[3]	**A**	**PASS**	1,[3]	**A**	**PASS**	1,[5]	**A**	**PASS**	1,[5]
	Vibration X-Axis	**A**	**NO**	[3]	**A**	**NO**	[3]	**A**	**NO**	[5]	**A**	**NO**	[5]
	Vibration Y-Axis	**A**	**NO**	[3]	**A**	**NO**	[3]	**A**	**NO**	[5]	**A**	**NO**	[5]
	Vibration Z-Axis	**A**	**NO**	[3]	**A**	**NO**	[3]	**A**	**NO**	[5]	**A**	**NO**	[5]
13.2	Frequency error under multipath and interference conditions	---	-----	---	---	-----	---	---	-----	---	---	-----	---
	Normal Temperature \ Normal Voltage	**A**	**PASS**	1,[3]	**A**	**PASS**	1,[3]	**A**	**PASS**	1,[5]	**A**	**PASS**	1,[5]
	Low Temperature \ Low Voltage	**A**	**PASS**	1,[3]	**A**	**PASS**	1,[3]	**A**	**PASS**	1,[5]	**A**	**PASS**	1,[5]
	Low Temperature \ High Voltage	**A**	**PASS**	1,[3]	**A**	**PASS**	1,[3]	**A**	**PASS**	1,[5]	**A**	**PASS**	1,[5]
	High Temperature \ Low Voltage	**A**	**PASS**	1,[3]	**A**	**PASS**	1,[3]	**A**	**PASS**	1,[5]	**A**	**PASS**	1,[5]
	High Temperature \ High Voltage	**A**	**PASS**	1,[3]	**A**	**PASS**	1,[3]	**A**	**PASS**	1,[5]	**A**	**PASS**	1,[5]
13.3.4.1	Transmitter output power and burst timing - MS with permanent antenna connector	---	-----	---	---	-----	---	---	-----	---	---	-----	---
	Normal Temperature \ Normal Voltage	**A**	**PASS**	1,[3],[4]	**A**	**PASS**	2,[3],[4]	**A**	**PASS**	1,[5]	**A**	**PASS**	1,[5]
	Low Temperature \ Low Voltage	**A**	**PASS**	1,[3],[4]	**A**	**PASS**	1,[3],[4]	**A**	**PASS**	1,[5]	**A**	**PASS**	1,[5]
	Low Temperature \ High Voltage	**A**	**PASS**	1,[3],[4]	**A**	**PASS**	1,[3],[4]	**A**	**PASS**	1,[5]	**A**	**PASS**	1,[5]
	High Temperature \ Low Voltage	**A**	**PASS**	1,[3],[4]	**A**	**PASS**	1,[3],[4]	**A**	**PASS**	1,[5]	**A**	**PASS**	1,[5]
	High Temperature \ High Voltage	**A**	**PASS**	1,[3],[4]	**A**	**PASS**	1,[3],[4]	**A**	**PASS**	1,[5]	**A**	**PASS**	1,[5]

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Test Results of Wavecom Q24 Classic with SIM Holder

TS 51.010-1 or TS 51.010-4 Requirement		GCF-CC (V.3.27.1) for R97/98 GSM 900			GCF-CC (V.3.27.1) for R97/98 GSM 1800			NAPRD.03 (V.3.12.0) for R97/98 GSM 850			NAPRD.03 (V.3.12.0) for R97/98 GSM 1900		
Test Case	**Test Description**	**Cat**	**Verdict**	**Notes**	**Cat**	**Verdict**	**Notes**	**Cat**	**Verdict**	**Notes**	**Cat**	**Verdict**	**Notes**
13.4	Output RF spectrum	---	-----	---	---	-----	---	---	-----	---	---	-----	---
	Normal Temperature \ Normal Voltage	**A**	**PASS**	1,[6]	**A**	**PASS**	1,[6]	**A**	**PASS**	1,[8]	**A**	**PASS**	1,[8]
	Low Temperature \ Low Voltage	**A**	**PASS**	1,[6]	**A**	**PASS**	1,[6]	**A**	**PASS**	1,[8]	**A**	**PASS**	1,[8]
	Low Temperature \ High Voltage	**A**	**PASS**	1,[6]	**A**	**PASS**	1,[6]	**A**	**PASS**	1,[8]	**A**	**PASS**	1,[8]
	High Temperature \ Low Voltage	**A**	**PASS**	1,[6]	**A**	**PASS**	1,[6]	**A**	**PASS**	1,[8]	**A**	**PASS**	1,[8]
	High Temperature \ High Voltage	**A**	**PASS**	1,[6]	**A**	**PASS**	1,[6]	**A**	**PASS**	1,[8]	**A**	**PASS**	1,[8]
26.6.8.5	Ciphering mode / IMEISV request	**A**	**GSM 1900**	**---**	**A**	**GSM 1900**	**---**	**N**	**-------**	**---**	**A**	**PASS**	2

Please refer to GSM Test Report Annex E section 2 for detailed information of the used terms and notes.