CETECOM™

# Partial

# GSM TEST REPORT

## No. 504/07T03

## according to GCF-CC (V.3.25.0) R97/R98 and NAPRD.03 (V.3.10.1) R97/R98

**for**

## Wavecom

## GSM 850/900/1800/1900 Terminal Equipment

## Type Q24 Plus with SIM Holder

**with**

**Final Hardware Version: 306**

**Final Software Version: Open AT® Firmware 6.57c**

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

| | |
|---|---|
| **Annex A – Accreditation Certificate** | **2 pages** |
| **Annex B – Test Equipment** | **6 pages** |
| **Annex C – PICS/PIXIT Information** | **29 pages** |
| **Annex D – Photographs** | **4 pages** |
| **Annex E – Detailed Test Results** | **5 pages** |

**Date of Report: 2007-03-21**

***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

Observer of GCF Global Certification Forum


***CETECOM* SARL**

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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




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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.3.25.0) 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 | 0 | 0 | 0 | 0 | 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 | **5** | 0 | 0 | **5** | 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:** | **5** | **0** | **0** | **5** | **0** | **0** |

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**Table 1b: Summary of Test Results according to NAPRD.03 (V.3.10.1) 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 | 0 | 0 | 0 | 0 | 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 | **5** | 0 | 0 | **6** | 0 | 0 |
| 27 | Testing SIM/ME interface | 0 | 0 | 0 | **6** | 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:** | **5** | **0** | **0** | **12** | **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 Leader**
(Author of the Test Report)

Dipl.-Ing. Pierre Jean Dumay
**Deputy Project Leader**
(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<br>78530 Buc Cdx<br>France |
| **Telephone:** | +33 1 39 24 29 59 |
| **Fax:** | +33 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<br>78530 Buc Cdx<br>France |

## 2.3. Organisational Items

| | |
|---|---|
| ***CETECOM* Reference No.:** | 504_07 |
| ***CETECOM* Order No.:** | 5013_07 |
| ***CETECOM* Project Leader:** | Dipl.-Ing. Adyl Mssalak |
| ***CETECOM* Deputy Project Leader:** | Dipl.-Ing. Pierre Jean Dumay |
| **Start of Testing:** | 2007-03-19 |
| **End of Testing:** | 2007-03-21 |

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## 2.4. Identification of the Client

| | |
|---|---|
| **Company Name:** | Wavecom S.A. |
| **Address:** | 3, esplanade du Foncet<br>92442 Issy les Moulineaux Cedex<br>France |
| **Contact Person:** | Mr. Raphaël Law-Boum / 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<br>92442 Issy les Moulineaux Cedex<br>France |
| **Contact Person:** | Mr. Raphaël Law-Boum / 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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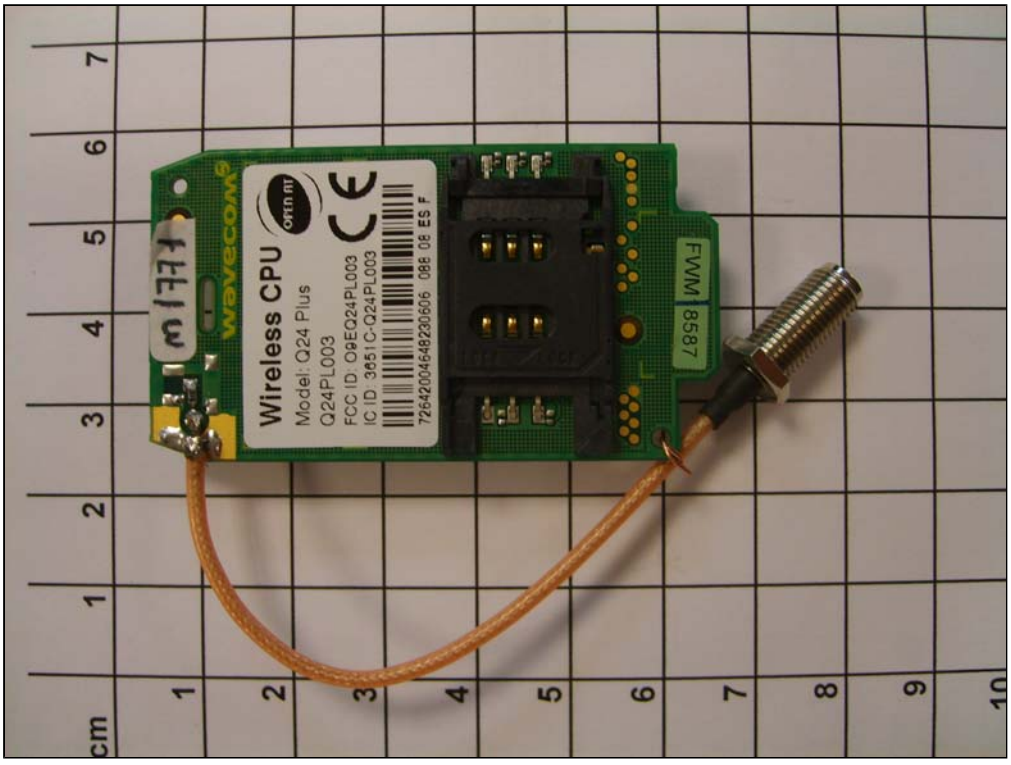
# 3. Equipment under Test (EUT) and Ancillary Equipment (AE)

## 3.1. Identification of the Equipment under Test

| | |
|---|---|
| **Brand Name:** | Wavecom |
| **Type Name:** | Q24 Plus with SIM Holder |
| **Marketing Name:** | Wireless CPU Q24 Plus with SIM Holder |
| **GSM Frequency Bands:** | GSM 850/900/1800/1900 |
| **FCC ID Number:** | O9EQ24PL003 |
| **Industry Canada ID:** | 3651C-Q24PL003 |
| **Special Features / Comments:** | AMR, GPRS (MSC 10) |

## 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/771 | 306 | Open AT® Firmware 6.57c |

*) 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 |
|---|---|---|---|---|
| --- | --- | - - - | --- | --- |

*) 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 | V3.25.0 (2007-01) |
| [2] | NAPRD.03 | GSM N.A. Permanent Reference Document | V3.10.1 (2007-01) |

## 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 | V7.5.0 Release 7 (2007-03) |
| [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 | V7.5.0 Release 7 (2007-03) |
| [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 Release 6 (2005-09) |
| [6] | 3GPP TS 51.010-4 | 3rd Generation Partnership Project; Technical Specification Group Core Network and Terminals; Mobile Station (MS) conformance specification; Part 4: Subscriber Identity Module (SIM) application toolkit conformance test specification | V4.3.0 Release 4 (2006-11) |

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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 |
|---|---|---|
| [7] | **PVG_26_xxx_04_TC_27_22_6_x**<br>Inconsistency between specifications for Test Cases 27.22.6.1, 27.22.6.3 and 27.22.6.4 PVG26_246 | 2004-05-14 |
| [8] | **PVG26_388_04_TC_26_9_6_1_1**<br>PVG26_388_04_TC_26_9_6_1_1.doc PVG26_388 | 2004-07-26 |

# ANNEX A

**of**

## Partial GSM TEST REPORT

**No. 504/07T03**

# Accreditation Certificate

**This Annex consists of 2 pages**

**Date of Report: 2007-03-21**

***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

Observer of GCF Global Certification Forum


***CETECOM* SARL**

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Translation

Deutsche Akkreditierungsstelle Technik (DATech) e.V.
Signatory of the Multilateral Agreement of EA and ILAC for the mutual recognition

represented in the

# Deutschen AkkreditierungsRat

# Accreditation

The **German Accreditation Body Technology (DATech) e.V.** confirms that the Testing Laboratory

**CETECOM SARL**
**320, rue Hélène Boucher**
**Bât 1**

**F-78530 BUC**

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

**Mobile Communications – GSM 850/900/1800/1900 (Mobile Stations)**
**Private Mobile Radio (PMR)**

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 **5** pages.

DAR-Registration No.: **DAT-P-176/94-C0**
(This certificate is only valid in relation with DAT-P-176/94-02)
Frankfurt/Main, June 25th, 2005

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. 504/07T03**

# Test Equipment

**This Annex consists of 6 pages**

**Date of Report: 2007-03-21**

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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
78530 Buc Cdx
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

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# 2. List of Test Equipment

## 2.1 R&S CRTU-G

| ID: | R&S CRTU-G [Buc 1] |
|---|---|
| Location: | Buc (1.3) |
| Serialnumber: | Master 100294 Slave 1 100500 Slave 2 100604 |
| Hardware: | |
| Software version: | **Basis Software**:<br>CR02P2P BP version 1.32<br>CR02P2P ASP version 2.04 and v.2.06 and v.2.13 and v.2.20 and v.2.30 and v.2.31 and v.2.32 and v.2.50 and v.2.55 and v.2.60 and v.3.30 and v.3.44 and v.3.50 and v.3.60<br>CR02P2P EP version 1.10 and v.1.63<br>**Test Case Software**:<br>CRTKEGS version 2.00<br>CRTKSS1 version 1.80 and v.1.81<br>CRTKSS2 version 1.60<br>CRTKSS3 version 1.60<br>CRTKSS5 version 1.70<br>CRTKSS6 version 1.60<br>CRTPK51 version 2.10<br>CRTPK52 version 2.10<br>CRTPK53 version 2.10<br>CRTPK54 version 2.11<br>CRTPK56 version 2.10<br>CRTPK58 version 2.00<br>CRTPK59 version 2.10<br>CRTPK5B version 2.00<br>CRTPK61 version 2.10<br>CRTPK62 version 2.10<br>CRTPK63 version 2.10<br>CRTPK64 version 2.11<br>CRTPK66 version 2.10<br>CRTPK68 version 2.00<br>CRTPK69 version 2.10<br>CRTPK6B version 2.00<br>CRTPK71 version 2.10<br>CRTPK72 version 2.10<br>CRTPK73 version 2.10<br>CRTPK74 version 2.11<br>CRTPK76 version 2.10<br>CRTPK78 version 2.00<br>CRTPK79 version 2.10<br>CRTPK7B version 2.00<br>CRTU-GC02 version 1.70<br>CRTU-GC03 version 1.60 |

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| | |
|---|---|
| Software version: | *(continued)*<br>CRTU-GC04 version 1.50<br>CRTU-GC05 version 1.40 and v.1.50<br>CRTU-GC06 version 1.51 and v.1.52<br>CRTU-GC07 version 1.50<br>CRTU-GC08 version 1.60<br>CRTU-GC09 version 4.10<br>CRTU-GC12 version 1.22<br>CRTU-GC18 version 4.10<br>CRTU-GC19 version 1.81<br>CRTU-GC20 version 1.60 and v.1.61<br>CRTU-GC21 version 1.20<br>CRTU-GC23 version 1.40<br>CRTU-GC24 version 1.70 and v.1.71<br>CRTU-GC31 version 4.10<br>CRTU-GC32 version 4.10<br>CRTU-GC33 version 4.10<br>CRTU-GC34 version 4.10<br>CRTU-GC35 version 4.10<br>CRTU-GC36 version 4.10<br>CRTU-GC37 version 4.10<br>CRTU-GC39 version 4.10<br>CRTU-GC41 version 4.10<br>CRTU-GC61 version 4.10<br>CRTU-GC62 version 4.10<br>CRTU-GC63 version 4.10<br>CRTU-GC64 version 4.10<br>CRTU-GC65 version 4.10<br>CRTU-GC68 version 4.10<br>CRTU-GC69 version 4.10<br>CRTU-GC70 version 4.10<br>CRTU-GC71 version 4.10<br>CRTU-GC72 version 4.10<br>CRTU-GC73 version 4.10<br>CRTU-GC74 version 4.10<br>CRTU-GC75 version 4.10<br>CRTU-GC76 version 4.10<br>CRTU-GC77 version 4.10<br>CRTU-GC78 version 4.10<br>CRTU-GC79 version 4.10<br>CRTU-GC84 version 4.10<br>CRTU-GC85 version 4.10<br>CRTU-GC86 version 4.10<br>CRTU-GC87 version 4.10<br>CRTU-GC88 version 4.10 |

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| | |
|---|---|
| Software version: | *(continued)*<br>CU-GC01 version 1.60 |
| Ambient Conditions: | Temperature: 15°C - 35°C Rel. Humidity: 20% - 75% |
| Calibration: | Date of last Test Equipment Calibration: 2006-09-25 |

## 2.2 COMPRION IT³

| **ID:** | **COMPRION IT3 [Buc 1]** |
|---|---|
| Location: | Buc (1.3) |
| Serialnumber: | B3203-50057 |
| Hardware: | Version Number 1.0 |
| Software version: | **Basis Software**:<br>IT³ Test Platform version 3.8.1<br>**Test Case Software**:<br>IT³ 3GPP TS 51.010-1 (digital) version 3.8.1 and v.3.8.2<br>IT³ 3GPP TS 51.010-1 (digital-PCS1900) version 3.8.1 and v.3.8.2<br>IT³ 3GPP TS 51.10-4 Stage 1 version 3.8.1 and v.3.8.2<br>IT³ 3GPP TS 51.10-4 Stage 1 (PCS1900) version 3.8.1 and v.3.8.2<br>IT³ 3GPP TS 51.10-4 Stage 2 version 3.8.1 and v.3.8.2<br>IT³ 3GPP TS 51.10-4 Stage 2 (PCS1900) version 3.8.1 and v.3.8.2 |
| Ambient Conditions: | Temperature: 20°C - 26°C Rel. Humidity: 20% - 75% |
| Calibration: | Date of last Test Equipment Calibration: N/A |

# ANNEX C

**of**

# Partial GSM TEST REPORT

**No. 504/07T03**

**for**

**Wavecom**

**GSM 850/900/1800/1900 Terminal Equipment**

**Type Q24 Plus with SIM Holder**

**with**
**Final Hardware Version: 306**
**Final Software Version: Open AT® Firmware 6.57c**

# PICS/PIXIT Information

**This Annex consists of 29 pages**

**Date of Report: 2007-03-21**

**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*.**

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**DAT-P-176/94-C0**

CTIA Authorized Test Lab
LAB CODE 20050615-00

Observer of GCF Global Certification Forum


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



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# PICS – Protocol Implementation Conformance Statement

**(According to Specifications 3GPP TS 51.010-2 V7.4.0 and 3GPP TS 51.010-4 V4.3.0)**

**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 | ☐ |

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

| Item | Release | MS Feature Release Supported | | Supported | Value | |
|---|---|---|---|---|---|---|
| | | | | | Allowed | Supported |
| 1 | R97 | 1.188 | Release of GPRS supported | 1.189 ☒ | R97, R98, R99 Rel-4, Rel-5, Rel-6, Rel-7 | R97 |

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| Item | Release | MS Feature Release Supported | | Supported | Value | |
|---|---|---|---|---|---|---|
| | | | | | Allowed | Supported |
| 2 | R98 | 1.190 | Release of AMR supported | 1.191 ☒ | R98, R99 Rel-4, Rel-5, Rel-6, Rel-7 | R98 |
| 3 | R99 | 1.192 | Release of EGPRS supported | 1.193 ☐ | 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 | 1.194 | Display of Called Number | ☐ |
| 2 | Phase2 | 1.195 | Indication of Call Progress Signals | ☐ |
| 3 | Phase2 | 1.196 | Country / PLMN Indication | ☐ |
| 4 | Phase2 | 1.197 | Country / PLMN Selection | ☒ |
| 5 | Phase2 | 1.198 | Keypad | ☐ |
| 6 | Phase2 | 1.199 | IMEI | ☒ |
| 7 | Phase2 | 1.200 | Short Message Overflow Indication | ☐ |
| 8 | Phase2 | 1.201 | DTE /DCE Interface | ☒ |
| 9 | Phase2 | 1.202 | ISDN "S" Interface | ☐ |
| 10 | Phase2 | 1.203 | International Access Function | ☒ |
| 11 | Phase2 | 1.204 | Service Indicator | ☐ |
| 12 | Phase2 | 1.205 | Autocalling restriction capabilities | ☐ |
| 13 | Phase2 | 1.206 | Dual Tone Multi Frequency function | ☒ |
| 14 | Phase2 | 1.207 | Subscription Identity Management | ☒ |
| 15 | Phase2 | 1.208 | On / Off switch | ☒ |
| 16 | Phase2 | 1.209 | Subaddress | ☐ |
| 17 | Phase2 | 1.210 | Support of Encryption A5/1 | ☒ |
| 18 | | 1.211 | (Void) | --- |
| 19 | Phase2 | 1.212 | Short Message Service Cell Broadcast DRX | ☒ |
| 20 | Phase2 | 1.213 | Abbreviated Dialling | ☒ |
| 21 | Phase2 | 1.214 | Fixed Number Dialling | ☒ |
| 22 | Phase2 | 1.215 | Barring of Outgoing Calls | ☐ |
| 23 | Phase2 | 1.216 | DTMF Control Digits Separator | ☐ |
| 24 | Phase2 | 1.217 | Selection of Directory No in Short Messages | ☐ |
| 25 | Phase2 | 1.218 | Last Numbers Dialled | ☒ |
| 26 | Phase2 | 1.219 | At least one autocalling feature | ☐ |
| 27 | Phase2 | 1.220 | Alphanumeric display | ☐ |
| 28 | Phase2 | 1.221 | Other means of display | ☐ |
| 29 | Phase2 | 1.222 | Speech indicator | ☐ |
| 30 | R96 | 1.223 | Support of the extended Short message cell broadcast channel | ☐ |
| 31 | R96 | 1.224 | Support of Additional Call Set-up MMI Procedures | ☐ |
| 32 | R96 | 1.225 | Network Identity and Timezone | ☒ |
| 33 | Ph2(R96) | 1.226 | Ciphering Indicator | ☐ |
| 34 | R96 | 1.227 | Network's indication of alerting in the MS $(NI Alert in MS)$ | ☐ |
| 35 | R96 | 1.228 | ME-SIM lock | ☒ |
| 36 | R96 | 1.229 | Service Dialling Numbers | ☒ |
| 37 | R99 | 1.230 | Extended timing advance | ☐ |
| 38 | R98 | 1.231 | Support of SoLSA | ☐ |
| 39 | R96 | 1.232 | Audible Indication of Service Tones | ☐ |
| 40 | Phase2 | 1.233 | Autocalling_Cause 27 Implemented in Cat 3 | ☐ |
| 41 | R97 | 1.234 | Support of GPRS | ☒ |
| 42 | R99 | 1.235 | Support of EGPRS | ☐ |
| 43 | R98 | 1.236 | Support of GPRS Encryption | ☒ |
| 44 | Phase2 | 1.237 | Control of Supplementary Services | ☒ |
| 45 | Phase2 | 1.238 | Short message | ☒ |
| 46 | Phase2 | 1.239 | Emergency calls capabilities | ☒ |
| 47 | R97 | 1.240 | GPRS operation mode class A | ☐ |
| 48 | R97 | 1.241 | GPRS operation mode class B | ☒ |
| 49 | R97 | 1.242 | GPRS operation mode class C | ☒ |
| 50 | R99 | 1.243 | MS supporting SMS over GPRS | ☒ |
| 51 | | 1.244 | (Void) | --- |
| 52 | | 1.245 | (Void) | --- |
| 53 | R99 | 1.246 | Support of ECSD | ☐ |
| 54 | R97 | 1.247 | GPRS test mode A | ☒ |
| 55 | R97 | 1.248 | GPRS test mode B | ☐ |
| 56 | | 1.249 | EGPRS test mode | ☐ |
| 57 | R98 | 1.250 | Support of MS-Assisted E-OTD | ☐ |
| 58 | R97 | 1.251 | Non-zero value of Non_DRX_Timer | ☒ |
| 59 | R98 | 1.252 | Support of MS-Based GPS | ☐ |
| 60 | R98 | 1.253 | Support of MS-Assisted GPS | ☐ |
| 61 | R98 | 1.254 | Privacy Option Supported | ☐ |
| 62 | R99 | 1.255 | Support of DTM/GPRS | ☐ |
| 63 | R98 | 1.256 | Support of MS Assisted EOTD Performance for GMSK | ☐ |
| 64 | R99 | 1.257 | Support of MS Assisted EOTD Performance for 8PSK | ☐ |
| 65 | R99 only | 1.258 | Support of EGPRS Packet Access enhancement | ☐ |

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| Item | Release | Mobile Station Feature | | Supported |
|---|---|---|---|---|
| 66 | | 1.259 | (Void) | --- |
| 67 | R99 | 1.260 | Support of MT SMS over GPRS | ☒ |
| 68 | | 1.261 | (Void) | --- |
| 69 | R99 | 1.262 | Support of DTM/EGPRS | ☐ |
| 70 | R99 | 1.263 | Support of Extended dynamic allocation | ☐ |
| 71 | Rel-6 | 1.264 | Support of GAN | ☐ |
| 72 | Rel-4 | 1.265 | Support of GERAN FEATURE PACKAGE 1 | ☐ |
| 73 | Rel-6 | 1.266 | Support of Encryption A5/3 | ☐ |
| 74 | Rel-4 | 1.267 | Support of Fine Time Assistance | ☐ |
| 75 | Rel-6 | 1.268 | Support of Encryption GEA2 | ☐ |
| 76 | Rel-6 | 1.269 | Support of Encryption GEA3 | ☐ |
| 77 | Up to R98 | 1.270 | Use of R99 Emergency numbers | ☒ |

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

| Item | Release | Teleservice | | Supported |
|---|---|---|---|---|
| 1 | Phase2 | 1.271 | Telephony | ☒ |
| 2 | Phase2 | 1.272 | Emergency Call | ☒ |
| 3 | Phase2 | 1.273 | Short Message MT/PP | ☒ |
| 4 | Phase2 | 1.274 | Short Message MO/PP | ☒ |
| 5 | Phase2 | 1.275 | SMS Cell Broadcast | ☒ |
| 6 | Phase2 | 1.276 | Teleservice Alternate Speech and G3 fax | ☐ |
| 7 | Phase2 | 1.277 | Teleservice Automatic G3 fax | ☒ |
| 8 | R96 | 1.278 | Voice Group Call Service (VGCS) | ☐ |
| 9 | R96 | 1.279 | Voice Broadcast Service (VBS) | ☐ |
| 10 | R96 | 1.280 | SMS description | ☒ |

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

| Item | Release | Bearer Service | | Supported |
|---|---|---|---|---|
| 1 | Phase2 | 1.281 | Data circuit duplex async. 300 bit/s | ☒ |
| 2 | Phase2 | 1.282 | Data circuit duplex async. 1 200 bit/s | ☒ |
| 3 | Phase2 | 1.283 | Data circuit duplex async. 1 200/75 bit/s | ☒ |
| 4 | Phase2 | 1.284 | Data circuit duplex async. 2 400 bit/s | ☒ |
| 5 | Phase2 | 1.285 | Data circuit duplex async. 4 800 bit/s | ☒ |
| 6 | Phase2 | 1.286 | Data circuit duplex async. 9 600 bit/s | ☒ |
| 7 | Phase2 | 1.287 | Data circuit duplex sync. 1 200 bit/s | ☐ |
| 8 | Phase2 | 1.288 | Data circuit duplex sync. 2 400 bit/s | ☐ |
| 9 | Phase2 | 1.289 | Data circuit duplex sync. 4 800 bit/s | ☐ |
| 10 | Phase2 | 1.290 | Data circuit duplex sync. 9 600 bit/s | ☐ |
| 11 | Phase2 | 1.291 | PAD Access 300 bit/s | ☐ |
| 12 | Phase2 | 1.292 | PAD Access 1 200 bit/s | ☐ |
| 13 | Phase2 | 1.293 | PAD Access 1 200/75 bits/s | ☐ |
| 14 | Phase2 | 1.294 | PAD Access 2 400 bit/s | ☐ |
| 15 | Phase2 | 1.295 | PAD Access 4 800 bit/s | ☐ |
| 16 | Phase2 | 1.296 | PAD Access 9 600 bit/s | ☐ |
| 17 | Phase2 | 1.297 | Packet Access 2 400 bit/s | ☐ |
| 18 | Phase2 | 1.298 | Packet Access 4 800 bit/s | ☐ |
| 19 | Phase2 | 1.299 | Packet Access 9 600 bit/s | ☐ |
| 20 | Phase2 | 1.300 | Alternate Speech/Data | ☐ |
| 21 | Phase2 | 1.301 | Speech Followed by Data | ☐ |
| 22 | R97 | 1.302 | GPRS | ☒ |
| 23 | Rel-6 | 1.303 | Bluetooth data rate | ☐ |
| 24 | Rel-6 | 1.304 | WLAN data rate | ☐ |

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

| Item | Release | Supplementary Service | | Supported |
|---|---|---|---|---|
| 1 | Phase2 | 1.305 | Calling Line Identification Presentation | ☒ |
| 2 | Phase2 | 1.306 | Calling Line Identification Restriction | ☒ |
| 3 | Phase2 | 1.307 | Connected Line Identification Presentation | ☒ |
| 4 | Phase2 | 1.308 | Connected Line Identification Restriction | ☐ |
| 5 | Phase2 | 1.309 | Call Forwarding Unconditional | ☒ |
| 6 | Phase2 | 1.310 | Call Forwarding on Mobile Subscriber Busy | ☒ |
| 7 | Phase2 | 1.311 | Call Forwarding on No Reply | ☒ |
| 8 | Phase2 | 1.312 | Call Forwarding on Mobile Subscriber Not Reachable | ☒ |
| 9 | Phase2 | 1.313 | Call Waiting | ☒ |

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| Item | Release | Supplementary Service | | Supported |
|---|---|---|---|---|
| 10 | Phase2 | 1.314 | Call Hold | ☒ |
| 11 | Phase2 | 1.315 | Multi Party Service | ☒ |
| 12 | Phase2 | 1.316 | Closed User Group | ☒ |
| 13 | Phase2 | 1.317 | Advice of Charge (Information) | ☒ |
| 14 | Phase2 | 1.318 | Advice of Charge (Charging) | ☒ |
| 15 | Phase2 | 1.319 | Barring of All Outgoing Calls. | ☒ |
| 16 | Phase2 | 1.320 | Barring of Outgoing International Calls | ☒ |
| 17 | Phase2 | 1.321 | Barring of Outgoing International Calls except those directed to the Home PLMN Country | ☒ |
| 18 | Phase2 | 1.322 | Barring of All Incoming Calls | ☒ |
| 19 | Phase2 | 1.323 | Barring of Incoming Calls when Roaming Outside the Home PLMN Country | ☒ |
| 20 | Phase2 | 1.324 | Unstructured SS Data | ☒ |
| 21 | R96 | 1.325 | enhanced Multi-Level Precedence and Pre-emption service (eMLPP) | ☐ |
| 22 | R96 | 1.326 | Call Deflection | ☐ |
| 23 | R96 | 1.327 | User-to-User signalling | ☒ |
| 24 | R96 | 1.328 | Explicit Call Transfer | ☒ |
| 25 | R96 | 1.329 | Implicit UUS1 | ☐ |
| 26 | R98 | 1.330 | Sending of implicit UUS1 in the ALERTING message | ☐ |
| 27 | R98 | 1.331 | Sending of implicit UUS1 in the CONNECT message | ☐ |
| 28 | R99 | 1.332 | Follow Me | ☐ |
| 29 | Rel-4 | 1.333 | User-to-Dispatcher Information | ☐ |
| 30 | Rel-4 | 1.334 | Compressed User-to-Dispatcher | ☐ |
| 31 | R97 | 1.335 | Completion of Calls to Busy SS | ☐ |
| 32 | R97 | 1.336 | Completion of Calls to Busy Requests | ☐ |
| 33 | R97 | 1.337 | Support of Private Numbering Plan SS | ☐ |
| 34 | R97 | 1.338 | Support of Private Numbering Plan , Numbering Plans | ☐ |
| 35 | R97 | 1.339 | Name Identification SS | ☒ |
| 36 | Rel-7 | 1.340 | Support of Periodic Location | ☐ |

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

| Item | Release | Bearer Capability Group | | Supported |
|---|---|---|---|---|
| 1 | Ph2(R96) | 1.341 | Bearer Service 21(20) .. 26, unrestricted digital information transfer capability | ☒ |
| 2 | Ph2(R96) | 1.342 | Bearer Service 21(20) .. 26, 3.1 kHz audio ex-PLMN information transfer capability | ☒ |
| 3 | Ph2(R96) | 1.343 | Bearer Service 31(30) .. 34, unrestricted digital information transfer capability; Non-X.32 Cases (BS 31 .. BS 34) | ☐ |
| 4 | Ph2(R96) | 1.344 | Bearer Service 31(30) .. 34, unrestricted digital information transfer capability; X.32 Cases | ☐ |
| 5 | Ph2(R96) | 1.345 | Bearer Service 31(30) .. 34, 3.1 kHz audio ex-PLMN information transfer capability; Non-X.32 Cases | ☐ |
| 6 | Ph2(R96) | 1.346 | Bearer Service 31(30) .. 34, 3.1 kHz audio ex-PLMN information transfer capability; X.32 Cases | ☐ |
| 7 | Ph2(R96) | 1.347 | Bearer Service 41(40)..46, PAD Access Asynchronous | ☐ |
| 8 | Ph2(R96) | 1.348 | Bearer Service 51(50)..53, Data Packet Duplex Synchronous | ☐ |
| 9 | Phase2 | 1.349 | Bearer Service 61, Alternate Speech/Data, "Speech" | ☐ |
| 10 | Phase2 | 1.350 | Bearer Service 61, Alternate Speech/Data, .3.1 kHz audio ex-PLMN information transfer capability; Asynchronous | ☐ |
| 11 | Phase2 | 1.351 | Bearer Service 61, Alternate Speech/Data, .3.1 kHz audio ex-PLMN information transfer capability; Synchronous | ☐ |
| 12 | Phase2 | 1.352 | Bearer Service 81, Speech followed by Data, "Speech" | ☐ |
| 13 | Phase2 | 1.353 | Bearer Service 81, Speech followed by Data, .3.1 kHz audio ex-PLMN information transfer capability; Asynchronous | ☐ |
| 14 | Phase2 | 1.354 | Bearer Service 81, Speech followed by Data, .3.1 kHz audio ex-PLMN information transfer capability; Synchronous | ☐ |
| 15 | Phase2 | 1.355 | Teleservice 11..12, Speech | ☒ |
| 16 | Phase2 | 1.356 | Teleservice 61, Alternate Speech and Facsimile group 3; "Speech" | ☐ |
| 17 | Phase2 | 1.357 | Teleservice 61, Alternate Speech and Facsimile group 3; Facsimile group 3 | ☐ |
| 18 | Phase2 | 1.358 | Teleservice 62, Automatic Facsimile group 3 | ☒ |

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

| Item | Release | Bearer Capability Elements | | Values | |
|---|---|---|---|---|---|
| | | | | Allowed | Supported |
| 1 | Phase2 | 1.359 | Signalling Access Protocol (SAP) | I.440 | ☒ |
| | | 1.360 | | X.28nond | ☒ |
| 2 | Phase2 | 1.361 | Connection Element (CE) | NT | ☒ |
| | | 1.362 | | bothNT | ☒ |
| | | 1.363 | | T | ☒ |
| | | 1.364 | | bothT | ☒ |

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| Item | Release | Bearer Capability Elements | | Values | |
|---|---|---|---|---|---|
| | | | | Allowed | Supported |
| 3 | Phase2 | 1.365 | User Info Layer 2 Protocol (UIL2P) | ISO6429 | ☒ |
| | | 1.366 | | ICOPnoFICt | ☒ |
| | | 1.367 | | NAV | ☒ |
| 4 | Phase2 | 1.368 | Number of Data Bits(NDB) | 7 bits | ☒ |
| | | 1.369 | | 8 bits | ☒ |

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| Item | Release | Bearer Capability Elements | | Values | |
|---|---|---|---|---|---|
| | | | | Allowed | Supported |
| 5 | Phase2 | 1.370 | Parity Information (NPB) | odd | ☒ |
| | | 1.371 | | even | ☒ |
| | | 1.372 | | 0 | ☒ |
| | | 1.373 | | 1 | ☒ |
| | | 1.374 | | none | ☒ |
| 6 | Phase2 | 1.375 | Number of Stop Bits (NSB) | 1 bit | ☒ |
| | | 1.376 | | 2 bits | ☒ |
| 7 | Phase2 | 1.377 | Radio Channel Requirement (RCR) | dualHR | ☒ |
| | | 1.378 | | FR | ☒ |
| | | 1.379 | | dualFR | ☒ |
| 8 | Phase2 | 1.380 | Intermediate Rate (IR) | 8 kbps | ☒ |
| | | 1.381 | | 16 kbps | ☒ |
| 9 | Phase2 | 1.382 | User Rate (UR) | 0.3 | ☒ |
| | | 1.383 | | 1.2 | ☒ |
| | | 1.384 | | 2.4 | ☒ |
| | | 1.385 | | 4.8 | ☒ |
| | | 1.386 | | 9.6 | ☒ |
| | | 1.387 | | 1.2/0.075 | ☒ |
| 10 | R96 | 1.388 | Fixed Network User Rate (FNUR) | 9.6 | ☒ |
| | | 1.389 | | 14.4 | ☒ |
| | | 1.390 | | 19.2 | ☒ |
| | | 1.391 | | 28.8 | ☒ |
| | | 1.392 | | 38.4 | ☒ |
| | | 1.393 | | 48.0 | ☒ |
| | | 1.394 | | 56.0 | ☒ |
| | | 1.395 | | NAV | ☒ |
| 11 | R96 | 1.396 | Wanted Air Interface User Rate (WAIUR) | 9.6 | ☒ |
| | | 1.397 | | 14.4 | ☒ |
| | | 1.398 | | 19.2 | ☒ |
| | | 1.399 | | 28.8 | ☒ |
| | | 1.400 | | 38.4 | ☒ |
| | | 1.401 | | 43.2 | ☒ |
| | | 1.402 | | 57.6 | ☒ |
| | | 1.403 | | NAV | ☒ |
| 12 | R96 | 1.404 | User Initiated Modification Indication (UIMI) | not req. | ☒ |
| | | 1.405 | | upto1 | ☒ |
| | | 1.406 | | upto2 | ☒ |
| | | 1.407 | | upto3 | ☒ |
| | | 1.408 | | upto4 | ☒ |
| | | 1.409 | | NAV | ☒ |
| 13 | R96 | 1.410 | Maximum number of Traffic Channels (MaxNumTCH) | 1 | ☒ |
| | | 1.411 | | 2 | ☒ |
| | | 1.412 | | 3 | ☒ |
| | | 1.413 | | 4 | ☒ |
| | | 1.414 | | NAV | ☒ |
| 10a | --- | 1.415 | 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 | 1.416 | Signalling Access Protocol (SAP) | I.440 | ☒ |
| | | 1.417 | | X.28nond | ☒ |
| 2 | Phase2 | 1.418 | Connection Element (CE) | NT | ☒ |
| | | 1.419 | | bothNT | ☒ |
| | | 1.420 | | T | ☒ |
| | | 1.421 | | bothT | ☒ |
| 3 | Phase2 | 1.422 | User Info Layer 2 Protocol (UIL2P) | ISO6429 | ☒ |
| | | 1.423 | | COPnoFICt | ☒ |
| | | 1.424 | | NAV | ☒ |
| 4 | Phase2 | 1.425 | Number of Data Bits (NDB) | 7 bits | ☒ |
| | | 1.426 | | 8 bits | ☒ |
| 5 | Phase2 | 1.427 | Parity Information (NPB) | odd | ☒ |
| | | 1.428 | | even | ☒ |
| | | 1.429 | | 0 | ☒ |
| | | 1.430 | | 1 | ☒ |
| | | 1.431 | | none | ☒ |
| 6 | Phase2 | 1.432 | Number of Stop Bits (NSB) | 1 bit | ☒ |
| | | 1.433 | | 2 bits | ☒ |
| 7 | Phase2 | 1.434 | Radio Channel Requirement (RCR) | dualHR | ☒ |
| | | 1.435 | | FR | ☒ |
| | | 1.436 | | dualFR | ☒ |
| 8 | Phase2 | 1.437 | Intermediate Rate (IR) | 8 kbps | ☒ |
| | | 1.438 | | 16 kbps | ☒ |
| 9 | Phase2 | 1.439 | User Rate (UR) | 0.3 | ☒ |
| | | 1.440 | | 1.2 | ☒ |
| | | 1.441 | | 2.4 | ☒ |
| | | 1.442 | | 4.8 | ☒ |
| | | 1.443 | | 9.6 | ☒ |
| | | 1.444 | | 1.2/0.075 | ☒ |
| 10 | Phase2 | 1.445 | Modem Type (MT) | V.21 | ☒ |
| | | 1.446 | | V.22 | ☒ |
| | | 1.447 | | V.22bis | ☒ |
| | | 1.448 | | V.26ter | ☒ |
| | | 1.449 | | V.32 | ☒ |
| | | 1.450 | | V.23 | ☒ |
| | | 1.451 | | auto1 | ☒ |
| 11 | R96 | 1.452 | Fixed Network User Rate (FNUR) | 9.6 | ☒ |
| | | 1.453 | | 14.4 | ☒ |
| | | 1.454 | | 19.2 | ☒ |
| | | 1.455 | | 28.8 | ☒ |
| | | 1.456 | | NAV | ☒ |
| 12 | R96 | 1.457 | Wanted Air Interface User Rate (WAIUR) | 9.6 | ☒ |
| | | 1.458 | | 14.4 | ☒ |
| | | 1.459 | | 19.2 | ☒ |
| | | 1.460 | | 28.8 | ☒ |
| | | 1.461 | | 38.4 | ☒ |
| | | 1.462 | | 43.2 | ☒ |
| 13 | R96 | 1.463 | Acceptable channel codings (ACC) | 4.8 | ☒ |
| | | 1.464 | | 9.6 | ☒ |
| | | 1.465 | | 14.4 | ☒ |
| | | 1.466 | | NAV | ☒ |
| 14 | R96 | 1.467 | User Initiated Modification Indication (UIMI) | not req. | ☒ |
| | | 1.468 | | upto1 | ☒ |
| | | 1.469 | | upto2 | ☒ |
| | | 1.470 | | upto3 | ☒ |
| | | 1.471 | | upto4 | ☒ |
| | | 1.472 | | NAV | ☒ |
| 15 | R96 | 1.473 | Maximum number of Traffic Channels (MaxNumTCH) | 1 | ☒ |
| | | 1.474 | | 2 | ☒ |
| | | 1.475 | | 3 | ☒ |
| | | 1.476 | | 4 | ☒ |
| | | 1.477 | | NAV | ☒ |

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| Item | Release | Bearer Capability Elements | Values | |
|---|---|---|---|---|
| | | | Allowed | Supported |
| 11a | --- | 1.478 all allowed combinations according to 3GPP TS 07.01 B.1.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description) | | ☐ |

**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 | 1.479 Signalling Access Protocol (SAP) | I.440 | ☐ |
| | | 1.480 | X.21 | ☐ |
| 2 | Phase2 | 1.481 Radio Channel Requirement (RCR) | dualHR | ☐ |
| | | 1.482 | FR | ☐ |
| | | 1.483 | dualFR | ☐ |
| 3 | Phase2 | 1.484 Intermediate Rate (IR) | 8 kbps | ☐ |
| | | 1.485 | 16 kbps | ☐ |
| 4 | Phase2 | 1.486 User Rate (UR) | 1.2 | ☐ |
| | | 1.487 | 2.4 | ☐ |
| | | 1.488 | 4.8 | ☐ |
| | | 1.489 | 9.6 | ☐ |
| 5 | R96 | 1.490 Fixed Network User Rate (FNUR) | 9.6 | ☐ |
| | | 1.491 | 14.4 | ☐ |
| | | 1.492 | 19.2 | ☐ |
| | | 1.493 | 28.8 | ☐ |
| | | 1.494 | 38.4 | ☐ |
| | | 1.495 | 48 | ☐ |
| | | 1.496 | 56 | ☐ |
| | | 1.497 | NAV | ☐ |
| 6 | R96 | 1.498 Acceptable channel codings (ACC) | 4.8 | ☐ |
| | | 1.499 | 9.6 | ☐ |
| | | 1.500 | 14.4 | ☐ |
| | | 1.501 | NAV | ☐ |
| 7 | R96 | 1.502 Maximum number of Traffic Channels (MaxNumTCH) | 1 | ☐ |
| | | 1.503 | 2 | ☐ |
| | | 1.504 | 3 | ☐ |
| | | 1.505 | 4 | ☐ |
| | | 1.506 | NAV | ☐ |
| 5a | --- | 1.507 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 | 1.508 Radio Channel Requirement (RCR) | dualHR | ☐ |
| | | 1.509 | FR | ☐ |
| | | 1.510 | dualFR | ☐ |
| 2 | Phase2 | 1.511 Intermediate Rate (IR) | 8 kbps | ☐ |
| | | 1.512 | 16 kbps | ☐ |
| 3 | Phase2 | 1.513 User Rate (UR) | 2.4 | ☐ |
| | | 1.514 | 4.8 | ☐ |
| | | 1.515 | 9.6 | ☐ |
| 4 | Ph2(R96) | 1.516 User Info Layer 2 Protocol (UIL2P) | X.25 | ☐ |
| | | 1.517 | (X.75) | ☐ |
| 5 | Ph2(R96) | 1.518 Rate Adaptation (RA) | X.31Flag | ☐ |
| | | 1.519 | (V.120) | ☐ |
| 6 | R96 | 1.520 Fixed Network User Rate (FNUR) | 9.6 | ☐ |
| | | 1.521 | 14.4 | ☐ |
| | | 1.522 | 19.2 | ☐ |
| | | 1.523 | 28.8 | ☐ |
| | | 1.524 | 38.4 | ☐ |
| | | 1.525 | 48 | ☐ |
| | | 1.526 | 56 | ☐ |
| | | 1.527 | NAV | ☐ |
| 7 | R96 | 1.528 Wanted Air Interface User Rate (WAIUR) | 9.6 | ☐ |
| | | 1.529 | 14.4 | ☐ |
| | | 1.530 | 19.2 | ☐ |
| | | 1.531 | 28.8 | ☐ |

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| Item | Release | Bearer Capability Elements | Values | |
|---|---|---|---|---|
| | | | Allowed | Supported |
| | | 1.532 | 38.4 | ☐ |
| | | 1.533 | 43.2 | ☐ |
| | | 1.534 | 57 | ☐ |
| | | 1.535 | NAV | ☐ |

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| Item | Release | Bearer Capability Elements | Values | |
|---|---|---|---|---|
| | | | Allowed | Supported |
| 8 | R96 | 1.536 User Initiated Modification Indication (UIMI) | not req | ☐ |
| | | 1.537 | upto1 | ☐ |
| | | 1.538 | upto2 | ☐ |
| | | 1.539 | upto3 | ☐ |
| | | 1.540 | upto4 | ☐ |
| | | 1.541 | NAV | ☐ |
| 9 | R96 | 1.542 Acceptable channel codings (ACC) | 4.8 | ☐ |
| | | 1.543 | 9.6 | ☐ |
| | | 1.544 | 14.4 | ☐ |
| | | 1.545 | NAV | ☐ |
| 10 | R96 | 1.546 Maximum number of Traffic Channels (MaxNumTCH) | 1 | ☐ |
| | | 1.547 | 2 | ☐ |
| | | 1.548 | 3 | ☐ |
| | | 1.549 | 4 | ☐ |
| | | 1.550 | NAV | ☐ |
| 4a | --- | 1.551 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 | 1.552 Signalling Access Protocol (SAP) | I.440 | ☐ |
| | | 1.553 | X.21 | ☐ |
| 2 | R96 | 1.554 Fixed Network User Rate (FNUR) | 48 | ☐ |
| | | 1.555 | 56 | ☐ |
| 3 | --- | 1.556 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 | 1.557 Signalling Access Protocol (SAP) | I.440 | ☐ |
| | | 1.558 | X.21 | ☐ |
| 2 | R96 | 1.559 Acceptable channel codings (ACC) | 9.6 | ☐ |
| | | 1.560 | 14.4 | ☐ |
| 3 | R96 | 1.561 Maximum number of Traffic Channels (MaxNumTCH) | 5 | ☐ |
| | | 1.562 | 6 | ☐ |
| 4 | --- | 1.563 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 | 1.564 Radio Channel Requirement (RCR) | dualHR | ☐ |
| | | 1.565 | FR | ☐ |
| | | 1.566 | dualFR | ☐ |
| 2 | Phase2 | 1.567 Intermediate Rate (IR) | 8 kbps | ☐ |
| | | 1.568 | 16 kbps | ☐ |
| 3 | Phase2 | 1.569 User Rate (UR) | 1.2 | ☐ |
| | | 1.570 | 2.4 | ☐ |
| | | 1.571 | 4.8 | ☐ |
| | | 1.572 | 9.6 | ☐ |
| 4 | Phase2 | 1.573 Modem Type (MT) | V.22 | ☐ |
| | | 1.574 | V.22bis | ☐ |
| | | 1.575 | V.26ter | ☐ |
| | | 1.576 | V.32 | ☐ |
| 5 | R96 | 1.577 Other Modem Type (OMT) | no other MT | ☐ |
| | | 1.578 | V.34 | ☐ |
| | | 1.579 | NAV | ☐ |
| 6 | R96 | 1.580 Fixed Network User Rate (FNUR) | 9.6 | ☐ |
| | | 1.581 | 14.4 | ☐ |
| | | 1.582 | 19.2 | ☐ |
| | | 1.583 | 28.8 | ☐ |

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| Item | Release | Bearer Capability Elements | Values | |
|---|---|---|---|---|
| | | | Allowed | Supported |
| | | 1.584 | NAV | ☐ |

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| Item | Release | Bearer Capability Elements | | Values | |
|---|---|---|---|---|---|
| | | | | Allowed | Supported |
| 7 | R96 | 1.585 | Acceptable channel codings (ACC) | 4.8 | ☐ |
| | | 1.586 | | 9.6 | ☐ |
| | | 1.587 | | 14.4 | ☐ |
| | | 1.588 | | NAV | ☐ |
| 8 | R96 | 1.589 | Maximum number of Traffic Channels (MaxNumTCH) | 1 | ☐ |
| | | 1.590 | | 2 | ☐ |
| | | 1.591 | | 3 | ☐ |
| | | 1.592 | | 4 | ☐ |
| | | 1.593 | | NAV | ☐ |
| 5a | --- | 1.594 | 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 | 1.595 | Connection Element (CE) | NT | ☐ |
| | | 1.596 | | bothNT | ☐ |
| | | 1.597 | | T | ☐ |
| | | 1.598 | | bothT | ☐ |
| 2 | Phase2 | 1.599 | Radio Channel Requirement (RCR) | dualHR | ☐ |
| | | 1.600 | | FR | ☐ |
| | | 1.601 | | dualFR | ☐ |
| 3 | Phase2 | 1.602 | Intermediate Rate (IR) | 8 kbps | ☐ |
| | | 1.603 | | 16 kbps | ☐ |
| 4 | Phase2 | 1.604 | User Rate (UR) | 2.4 | ☐ |
| | | 1.605 | | 4.8 | ☐ |
| | | 1.606 | | 9.6 | ☐ |
| 5 | Phase2 | 1.607 | Modem Type (MT) | V.22bis | ☐ |
| | | 1.608 | | V.26ter | ☐ |
| | | 1.609 | | V.32 | ☐ |
| 6 | R96 | 1.610 | Other Modem Type (OMT) | no other MT | ☐ |
| | | 1.611 | | V.34 | ☐ |
| | | 1.612 | | NAV | ☐ |
| 7 | R96 | 1.613 | Fixed Network User Rate (FNUR) | 9.6 | ☐ |
| | | 1.614 | | 14.4 | ☐ |
| | | 1.615 | | 19.2 | ☐ |
| | | 1.616 | | 28.8 | ☐ |
| | | 1.617 | | NAV | ☐ |
| 8 | R96 | 1.618 | Wanted Air Interface User Rate (WAIUR) | 9.6 | ☐ |
| | | 1.619 | | 14.4 | ☐ |
| | | 1.620 | | 19.2 | ☐ |
| | | 1.621 | | 28.8 | ☐ |
| | | 1.622 | | NAV | ☐ |
| 9 | R96 | 1.623 | Acceptable channel codings (ACC) | 4.8 | ☐ |
| | | 1.624 | | 9.6 | ☐ |
| | | 1.625 | | 14.4 | ☐ |
| | | 1.626 | | NAV | ☐ |
| 10 | R96 | 1.627 | User Initiated Modification Indication (UIMI) | not req. | ☐ |
| | | 1.628 | | upto1 | ☐ |
| | | 1.629 | | upto2 | ☐ |
| | | 1.630 | | upto3 | ☐ |
| | | 1.631 | | upto4 | ☐ |
| | | 1.632 | | NAV | ☐ |
| 11 | R96 | 1.633 | Maximum number of Traffic Channels (MaxNumTCH) | 1 | ☐ |
| | | 1.634 | | 2 | ☐ |
| | | 1.635 | | 3 | ☐ |
| | | 1.636 | | 4 | ☐ |
| | | 1.637 | | NAV | ☐ |
| 6a | --- | 1.638 | 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 | 1.639 | Connection Element (CE) | NT | ☐ |
| | | 1.640 | | bothNT | ☐ |
| | | 1.641 | | T | ☐ |
| | | 1.642 | | bothT | ☐ |
| 2 | Phase2 | 1.643 | User Info Layer 2 Protocol (UIL2P) | ISO6429 | ☐ |
| | | 1.644 | | COPnoFICt | ☐ |
| | | 1.645 | | NAV | ☐ |
| 3 | Phase2 | 1.646 | Number of Data Bits(NDB) | 7 bits | ☐ |
| | | 1.647 | | 8 bits | ☐ |
| 4 | Phase2 | 1.648 | Parity Information (NPB) | odd | ☐ |
| | | 1.649 | | even | ☐ |
| | | 1.650 | | 0 | ☐ |
| | | 1.651 | | 1 | ☐ |
| | | 1.652 | | none | ☐ |
| 5 | Phase2 | 1.653 | Number of Stop Bits (NSB) | 1 bit | ☐ |
| | | 1.654 | | 2 bits | ☐ |
| 6 | Phase2 | 1.655 | Radio Channel Requirement (RCR) | dualHR | ☐ |
| | | 1.656 | | FR | ☐ |
| | | 1.657 | | dualFR | ☐ |
| 7 | Phase2 | 1.658 | Intermediate Rate (IR) | 8 kbps | ☐ |
| | | 1.659 | | 16 kbps | ☐ |
| 8 | Phase2 | 1.660 | User Rate (UR) | 0.3 | ☐ |
| | | 1.661 | | 1.2 | ☐ |
| | | 1.662 | | 2.4 | ☐ |
| | | 1.663 | | 4.8 | ☐ |
| | | 1.664 | | 9.6 | ☐ |
| | | 1.665 | | 1.2/0.075 | ☐ |
| 9 | R96 | 1.666 | Fixed Network User Rate (FNUR) | 9.6 | ☐ |
| | | 1.667 | | 14.4 | ☐ |
| | | 1.668 | | 19.2 | ☐ |
| | | 1.669 | | 28.8 | ☐ |
| | | 1.670 | | 38.4 | ☐ |
| | | 1.671 | | 48 | ☐ |
| | | 1.672 | | 56 | ☐ |
| | | 1.673 | | NAV | ☐ |
| 10 | R96 | 1.674 | Wanted Air Interface User Rate (WAIUR) | 9.6 | ☐ |
| | | 1.675 | | 14.4 | ☐ |
| | | 1.676 | | 19.2 | ☐ |
| | | 1.677 | | 28.8 | ☐ |
| | | 1.678 | | 38.4 | ☐ |
| | | 1.679 | | 43.2 | ☐ |
| | | 1.680 | | 57.6 | ☐ |
| | | 1.681 | | NAV | ☐ |
| 11 | R96 | 1.682 | Acceptable channel codings (ACC) | 4.8 | ☐ |
| | | 1.683 | | 9.6 | ☐ |
| | | 1.684 | | 14.4 | ☐ |
| | | 1.685 | | NAV | ☐ |
| 12 | R96 | 1.686 | User Initiated Modification Indication (UIMI) | not req. | ☐ |
| | | 1.687 | | upto1 | ☐ |
| | | 1.688 | | upto2 | ☐ |
| | | 1.689 | | upto3 | ☐ |
| | | 1.690 | | upto4 | ☐ |
| | | 1.691 | | NAV | ☐ |
| 13 | R96 | 1.692 | Maximum number of Traffic Channels (MaxNumTCH) | 1 | ☐ |
| | | 1.693 | | 2 | ☐ |
| | | 1.694 | | 3 | ☐ |
| | | 1.695 | | 4 | ☐ |
| | | 1.696 | | NAV | ☐ |
| 9a | --- | 1.697 | 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 | 1.698 | Radio Channel Requirement (RCR) | dualHR | ☐ |
| | | 1.699 | | FR | ☐ |
| | | 1.700 | | dualFR | ☐ |
| 2 | Phase2 | 1.701 | Intermediate Rate (IR) | 8 kbps | ☐ |
| | | 1.702 | | 16 kbps | ☐ |
| 3 | Phase2 | 1.703 | User Rate (UR) | 0.3 | ☐ |
| | | 1.704 | | 1.2 | ☐ |
| | | 1.705 | | 2.4 | ☐ |
| | | 1.706 | | 4.8 | ☐ |
| | | 1.707 | | 9.6 | ☐ |
| | | 1.708 | | 1.2/0.075 | ☐ |
| 4 | R96 | 1.709 | Fixed Network User Rate (FNUR) | 9.6 | ☐ |
| | | 1.710 | | 14.4 | ☐ |
| | | 1.711 | | 19.2 | ☐ |
| | | 1.712 | | 28.8 | ☐ |
| | | 1.713 | | 38.4 | ☐ |
| | | 1.714 | | 48 | ☐ |
| | | 1.715 | | 56 | ☐ |
| | | 1.716 | | NAV | ☐ |
| 5 | R96 | 1.717 | Wanted Air Interface User Rate (WAIUR) | 9.6 | ☐ |
| | | 1.718 | | 14.4 | ☐ |
| | | 1.719 | | 19.2 | ☐ |
| | | 1.720 | | 28.8 | ☐ |
| | | 1.721 | | 38.4 | ☐ |
| | | 1.722 | | 43.2 | ☐ |
| | | 1.723 | | 57.6 | ☐ |
| | | 1.724 | | NAV | ☐ |
| 6 | R96 | 1.725 | Acceptable channel codings (ACC) | 4.8 | ☐ |
| | | 1.726 | | 9.6 | ☐ |
| | | 1.727 | | 14.4 | ☐ |
| | | 1.728 | | NAV | ☐ |
| 7 | R96 | 1.729 | User Initiated Modification Indication (UIMI) | not req. | ☐ |
| | | 1.730 | | upto1 | ☐ |
| | | 1.731 | | upto2 | ☐ |
| | | 1.732 | | upto3 | ☐ |
| | | 1.733 | | upto4 | ☐ |
| | | 1.734 | | NAV | ☐ |
| 8 | R96 | 1.735 | Maximum number of Traffic Channels (MaxNumTCH) | 1 | ☐ |
| | | 1.736 | | 2 | ☐ |
| | | 1.737 | | 3 | ☐ |
| | | 1.738 | | 4 | ☐ |
| | | 1.739 | | NAV | ☐ |
| 4a | --- | 1.740 | 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 | 1.741 | Radio Channel Requirement (RCR) | dualHR | ☐ |
| | | 1.742 | | FR | ☐ |
| | | 1.743 | | 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 | 1.744 Connection Element (CE) | NT | ☐ |
| | | 1.745 | bothNT | ☐ |
| | | 1.746 | T | ☐ |
| | | 1.747 | bothT | ☐ |
| 2 | Phase2 | 1.748 User Info Layer 2 Protocol (UIL2P) | ISO6429 | ☐ |
| | | 1.749 | COPnoFICt | ☐ |
| | | 1.750 | NAV | ☐ |
| 3 | Phase2 | 1.751 Number of Data Bits (NDB) | 7 bits | ☐ |
| | | 1.752 | 8 bits | ☐ |
| 4 | Phase2 | 1.753 Parity Information (NPB) | odd | ☐ |
| | | 1.754 | even | ☐ |
| | | 1.755 | 0 | ☐ |
| | | 1.756 | 1 | ☐ |
| | | 1.757 | none | ☐ |
| 5 | Phase2 | 1.758 Number of Stop Bits (NSB) | 1 bit | ☐ |
| | | 1.759 | 2 bits | ☐ |
| 6 | Phase2 | 1.760 Radio Channel Requirement (RCR) | dualHR | ☐ |
| | | 1.761 | FR | ☐ |
| | | 1.762 | dualFR | ☐ |
| 7 | Phase2 | 1.763 Intermediate Rate (IR) | 8 kbps | ☐ |
| | | 1.764 | 16 kbps | ☐ |
| 8 | Phase2 | 1.765 User Rate (UR) | 0.3 | ☐ |
| | | 1.766 | 1.2 | ☐ |
| | | 1.767 | 2.4 | ☐ |
| | | 1.768 | 4.8 | ☐ |
| | | 1.769 | 9.6 | ☐ |
| | | 1.770 | 1.2/0.075 | ☐ |
| 9 | R96 | 1.771 Modem Type (MT) | V.21 | ☐ |
| | | 1.772 | V.22 | ☐ |
| | | 1.773 | V.22bis | ☐ |
| | | 1.774 | V.26ter | ☐ |
| | | 1.775 | V.32 | ☐ |
| | | 1.776 | V.23 | ☐ |
| | | 1.777 | auto1 | ☐ |
| 10 | --- | 1.778 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 | 1.779 Radio Channel Requirement (RCR) | dualHR | ☐ |
| | | 1.780 | FR | ☐ |
| | | 1.781 | dualFR | ☐ |
| 2 | Phase2 | 1.782 Intermediate Rate (IR) | 8 kbps | ☐ |
| | | 1.783 | 16 kbps | ☐ |
| 3 | Phase2 | 1.784 User Rate (UR) | 1.2 | ☐ |
| | | 1.785 | 2.4 | ☐ |
| | | 1.786 | 4.8 | ☐ |
| | | 1.787 | 9.6 | ☐ |
| 4 | R96 | 1.788 Modem Type (MT) | V.22 | ☐ |
| | | 1.789 | V.22bis | ☐ |
| | | 1.790 | V.26ter | ☐ |
| | | 1.791 | V.32 | ☐ |
| 5 | --- | 1.792 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 | 1.793 Radio Channel Requirement (RCR) | dualHR | ☐ |
| | | 1.794 | FR | ☐ |
| | | 1.795 | 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 | 1.796 Connection Element (CE) | NT | ☐ |
| | | 1.797 | bothNT | ☐ |
| | | 1.798 | T | ☐ |
| | | 1.799 | bothT | ☐ |
| 2 | Phase2 | 1.800 User Info Layer 2 Protocol (UIL2P) | ISO6429 | ☐ |
| | | 1.801 | COPnoFICt | ☐ |
| | | 1.802 | NAV | ☐ |
| 3 | Phase2 | 1.803 Number of Data Bits(NDB) | 7 bits | ☐ |
| | | 1.804 | 8 bits | ☐ |
| 4 | Phase2 | 1.805 Parity Information (NPB) | odd | ☐ |
| | | 1.806 | even | ☐ |
| | | 1.807 | 0 | ☐ |
| | | 1.808 | 1 | ☐ |
| | | 1.809 | none | ☐ |
| 5 | Phase2 | 1.810 Number of Stop Bits (NSB) | 1 bit | ☐ |
| | | 1.811 | 2 bits | ☐ |
| 6 | Phase2 | 1.812 Radio Channel Requirement (RCR) | dualHR | ☐ |
| | | 1.813 | FR | ☐ |
| | | 1.814 | dualFR | ☐ |
| 7 | Phase2 | 1.815 Intermediate Rate (IR) | 8 kbps | ☐ |
| | | 1.816 | 16 kbps | ☐ |
| 8 | Phase2 | 1.817 User Rate (UR) | 0.3 | ☐ |
| | | 1.818 | 1.2 | ☐ |
| | | 1.819 | 2.4 | ☐ |
| | | 1.820 | 4.8 | ☐ |
| | | 1.821 | 9.6 | ☐ |
| | | 1.822 | 1.2/0.075 | ☐ |
| 9 | R96 | 1.823 Modem Type (MT) | V.21 | ☐ |
| | | 1.824 | V.22 | ☐ |
| | | 1.825 | V.22bis | ☐ |
| | | 1.826 | V.26ter | ☐ |
| | | 1.827 | V.32 | ☐ |
| | | 1.828 | V.23 | ☐ |
| | | 1.829 | auto1 | ☐ |
| 10 | --- | 1.830 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 | 1.831 Radio Channel Requirement (RCR) | dualHR | ☐ |
| | | 1.832 | FR | ☐ |
| | | 1.833 | dualFR | ☐ |
| 2 | Phase2 | 1.834 Intermediate Rate (IR) | 8 kbps | ☐ |
| | | 1.835 | 16 kbps | ☐ |
| 3 | Phase2 | 1.836 User Rate (UR) | 1.2 | ☐ |
| | | 1.837 | 2.4 | ☐ |
| | | 1.838 | 4.8 | ☐ |
| | | 1.839 | 9.6 | ☐ |
| 4 | R96 | 1.840 Modem Type (MT) | V.22 | ☐ |
| | | 1.841 | V.22bis | ☐ |
| | | 1.842 | V.26ter | ☐ |
| | | 1.843 | V.32 | ☐ |
| 5 | --- | 1.844 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 | 1.845 | Radio Channel Requirement (RCR) | dualHR | ☒ |
| | | 1.846 | | FR | ☒ |
| | | 1.847 | | 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 | 1.848 | Radio Channel Requirement (RCR) | dualHR | ☐ |
| | | 1.849 | | FR | ☐ |
| | | 1.850 | | 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 | 1.851 | Connection Element (CE) | NT | ☐ |
| | | 1.852 | | bothNT | ☐ |
| | | 1.853 | | T | ☐ |
| | | 1.854 | | bothT | ☐ |
| 2 | Phase2 | 1.855 | User Info Layer 2 Protocol (UIL2P) | X.25 | ☐ |
| | | 1.856 | | NAV | ☐ |
| 3 | Phase2 | 1.857 | Intermediate Rate (IR) | 8 kbps | ☐ |
| | | 1.858 | | 16 kbps | ☐ |
| 4 | Phase2 | 1.859 | User Rate (UR) | 2.4 | ☐ |
| | | 1.860 | | 4.8 | ☐ |
| | | 1.861 | | 9.6 | ☐ |
| 5 | --- | 1.862 | 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 | 1.863 | Connection Element (CE) | NT | ☐ |
| | | 1.864 | | bothNT | ☐ |
| | | 1.865 | | T | ☒ |
| | | 1.866 | | bothT | ☒ |
| 2 | Phase2 | 1.867 | User Info Layer 2 Protocol (UIL2P) | X.25 | ☐ |
| | | 1.868 | | NAV | ☒ |
| 3 | Phase2 | 1.869 | Intermediate Rate (IR) | 8 kbps | ☒ |
| | | 1.870 | | 16 kbps | ☒ |
| 4 | Phase2 | 1.871 | User Rate (UR) | 2.4 | ☒ |
| | | 1.872 | | 4.8 | ☒ |
| | | 1.873 | | 9.6 | ☒ |
| 5 | --- | 1.874 | 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 | 1.875 | at least one half rate service | ☒ |
| 2 | Phase2 | 1.876 | Speech supported for Full rate version 1 (GSM FR) | ☒ |
| 3 | Phase2 | 1.877 | Speech supported for Half rate version 1 (GSM HR) | ☐ |
| 4 | Phase2 | 1.878 | at least one data service | ☒ |
| 5 | Phase2 | 1.879 | at least one full rate data service | ☒ |
| 6 | Phase2 | 1.880 | at least one half rate data service | ☐ |
| 7 | Phase2 | 1.881 | at least one non transparent data service | ☒ |
| 8 | Phase2 | 1.882 | at least one transparent data service | ☒ |
| 9 | Phase2 | 1.883 | only transparent data service | ☐ |
| 10 | Phase2 | 1.884 | at least one asynchronous data service | ☒ |
| 11 | Phase2 | 1.885 | at least one asynchronous non transparent data service | ☒ |
| 12 | Phase2 | 1.886 | 2.4 k full rate data mode | ☒ |
| 13 | Phase2 | 1.887 | 2.4 k half rate data mode | ☐ |
| 14 | Phase2 | 1.888 | 4.8 k full rate data mode | ☒ |
| 15 | Phase2 | 1.889 | 4.8 k half rate data mode | ☐ |
| 16 | Phase2 | 1.890 | 9.6 k full rate data mode | ☒ |
| 17 | Phase2 | 1.891 | non transparent service with full rate channel at a user rate of 4.8 kbit/s | ☒ |
| 18 | Phase2 | 1.892 | at least one bearer capability | ☒ |
| 19 | Phase2 | 1.893 | at least one MT circuit switched basic service | ☒ |
| 20 | Phase2 | 1.894 | at least one MO circuit switched basic service | ☒ |
| 21 | Phase2 | 1.895 | only SDCCH | ☐ |
| 22 | Phase2 | 1.896 | at least one service on traffic channel supported | ☒ |
| 23 | Phase2 | 1.897 | dual rate radio channel types (no relation to supported speech codecs) | ☒ |
| 24 | Phase2 | 1.898 | only full rate radio channel type (no relation to supported speech codecs) | ☒ |
| 25 | Phase2 | 1.899 | at least one teleservice | ☒ |
| 26 | Phase2 | 1.900 | CC protocol for at least one BC | ☒ |
| 27 | Phase2 | 1.901 | only circuit switched basic service supported by the mobile is emergency call | ☐ |
| 28 | Phase2 | 1.902 | Fax Error Correction Mode | ☐ |
| 29 | Phase2 | 1.903 | at least one supplementary service | ☒ |
| 30 | Phase2 | 1.904 | non call related supplementary service | ☒ |
| 31 | Phase2 | 1.905 | at least one short message service | ☒ |
| 32 | Phase2 | 1.906 | (SMS) reply procedure | ☐ |
| 33 | Phase2 | 1.907 | replace SMS | ☐ |
| 34 | Phase2 | 1.908 | display of received SMS | ☒ |
| 35 | Phase2 | 1.909 | SMS status report capabilities | ☒ |
| 36 | Phase2 | 1.910 | Storing of short messages in the SIM | ☒ |
| 37 | Phase2 | 1.911 | Storing of short messages in the ME | ☒ |
| 38 | Phase2 | 1.912 | detach on power down | ☒ |
| 39 | Phase2 | 1.913 | detach on SIM remove | ☐ |
| 40 | Phase2 | 1.914 | SIM removable without power down | ☐ |
| 41 | Phase2 | 1.915 | ID-1 SIM | ☐ |
| 42 | Phase2 | 1.916 | Plug-In SIM | ☒ |
| 43 | Phase2 | 1.917 | Disable PIN feature | ☒ |
| 44 | Phase2 | 1.918 | PIN2 feature | ☒ |
| 45 | Phase2 | 1.919 | Feature requiring entry of PIN2 | ☒ |
| 46 | Phase2 | 1.920 | Chars 0-9, *, # supported | ☒ |
| 47 | Phase2 | 1.921 | A, B, C, D chars. supported | ☒ |
| 48 | Phase2 | 1.922 | automatically enter automatic selection of PLMN mode | ☒ |
| 49 | Phase2 | 1.923 | alerting indication to the user | ☒ |
| 50 | R98 | 1.924 | Appl. Layer is always running | ☐ |
| 51 | Phase2 | 1.925 | Immediate connect supported for all circuit switched basic services | ☐ |
| 52 | Phase2 | 1.926 | In-Call modification | ☒ |
| 53 | Phase2 | 1.927 | follow-on request procedure | ☒ |
| 54 | Phase2 | 1.928 | refusal of call | ☐ |
| 55 | Phase2 | 1.929 | RF amplification | ☐ |
| 56 | Phase2 | 1.930 | Number of B-party number for autocalling is greater than the number of entries in the blacklist | ☐ |
| 57 | Phase2 | 1.931 | Handset MS supporting speech | ☐ |
| 58 | Phase2 | 1.932 | MT2 Configuration | ☒ |
| 59 | Phase2 | 1.933 | MT2 Configuration or any other possibility to send data over Um interface | ☒ |
| 60 | Rel-4 | 1.934 | Permanent Antenna Connector | ☒ |
| 61 | Phase2 | 1.935 | Pseudo-synchronized handover supported | ☒ |
| 62 | R96 | 1.936 | 5V only SIM/ME interface | ☐ |
| 63 | R96 | 1.937 | 3V only SIM/ME interface | ☒ |
| 64 | R96 | 1.938 | 3V/5V SIM/ME interface | ☐ |
| 65 | Phase2 | 1.939 | Speech supported for Full rate version 2 (GSM EFR) | ☒ |

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| Item | Release | Additional Information | | Supported |
|---|---|---|---|---|
| 66a | Phase2 | 1.940 | RLP supports non default parameters | ☒ |
| 66b | R96 | 1.941 | Support of listening to voice broadcast calls (VBS listening) | ☐ |
| 67 | R96 | 1.942 | Support of originating voice broadcast call (VBS originating) | ☐ |
| 68 | R96 | 1.943 | Support of listening to voice group calls (VGCS listening) | ☐ |
| 69 | R96 | 1.944 | Support of talking in voice group calls (VGCS talking) | ☐ |
| 70 | R96 | 1.945 | Support of originating voice group call (VGCS originating) | ☐ |
| 71 | R96 | 1.946 | Support reduced NCH monitoring | ☐ |
| 72 | R96 | 1.947 | 14.4 k data mode | ☒ |
| 73 | Phase2 | 1.948 | Implementation of cause number 27 of busy autocalling in category 2 | ☐ |
| 74 | Phase2 | 1.949 | Implementation of cause number 27 of busy autocalling in category 3 | ☐ |
| 75 | | 1.950 | (Void) | --- |
| 76 | Phase2 * | 1.951 | Artificial ear type 1 (* Phase 2 up to and including Release 4) | ☒ |
| 77 | Phase2 | 1.952 | Artificial ear type 3.2, Low leak option | ☐ |
| 78 | R96 | 1.953 | Artificial ear type 3.4 | ☒ |
| 79 | R98 | 1.954 | Speech supported for Full rate version 3 (FR AMR) | ☒ |
| 80 | R96 | 1.955 | NCH monitoring in group receive mode | ☐ |
| 81 | R96 | 1.956 | NCH monitoring in group transmit mode | ☐ |
| 82 | R96 | 1.957 | NCH monitoring in dedicated mode | ☐ |
| 83 | R97 | 1.958 | Support of one PDP context activation | ☒ |
| 84 | R97 | 1.959 | Support of more than one PDP context activation | ☐ |
| 85 | R97 | 1.960 | Support of more than one PDP context activation simultaneously on the same SAPI | ☐ |
| 86 | R97 | 1.961 | Support of GPRS data compression | ☐ |
| 87 | R98 | 1.962 | Support of GPRS header compression | ☒ |
| 88 | R97 | 1.963 | Support of Network requested PDP context activation | ☒ |
| 89 | R97 | 1.964 | Support for user settings of minimum QoS | ☒ |
| 90 | R97 | 1.965 | Automatic GPRS attach procedure at switch-on/power-on | ☒ |
| 91 | R97 | 1.966 | MMI controlled attach/detach procedures for non-GPRS services | ☒ |
| 92 | R97 | 1.967 | Automatic attach procedure when MS identity cannot derived by the network | ☒ |
| 93 | R98 | 1.968 | Automatic MM IMSI attach procedure at switch-on / power-on | ☒ |
| 94 | R96 | 1.969 | Support of SIM Application Toolkit | ☒ |
| 95 | R98 | 1.970 | 1,8V only SIM/ME interface | ☒ |
| 96 | R98 | 1.971 | 1,8V/3V SIM/ME interface | ☒ |
| 97 | Phase2 | 1.972 | Multiple SM MO/PP on same RR link | ☒ |
| 98 | Phase2 | 1.973 | Support of stored list cell selection | ☒ |
| 99 | Phase2 | 1.974 | at least one service not support immediate connection | ☒ |
| 100 | | 1.975 | (Void) | --- |
| 101 | | 1.976 | (Void) | --- |
| 102 | Phase2 | 1.977 | EFR_EmgCallSetup message contains the bearer capability | ☒ |
| 103 | Phase2 | 1.978 | Support of MonitorPCH_GroupTransmitMode | ☐ |
| 104 | Rel-4 | 1.979 | Integral_Antenna Connector | ☐ |
| 105 | R97 | 1.980 | User requested combined GPRS and non-GPRS detached without powering off | ☒ |
| 106 | R97 | 1.981 | User requested non-GPRS detached | ☒ |
| 107 | Phase2 | 1.982 | Artificial ear type 3.2, High leak option | ☐ |
| 108 | R96 | 1.983 | Artificial ear type 3.3 | ☐ |
| 109 | Phase2 | 1.984 | Support of Multiple SMS | ☒ |
| 110 | R97 | 1.985 | Cell Reselection after T3184 Expiry | ☐ |
| 111 | R97 | 1.986 | GPRS attach attempted automatically due to outstanding request | ☒ |
| 112 | R98 | 1.987 | Speech supported for Half rate version 3 (HR AMR) | ☒ |
| 113 | R5 | 1.988 | AMR LoopBack Modes | ☐ |
| 114 | R99 | 1.989 | TTY services | ☒ |
| 115 | R99 | 1.990 | Support of Secondary PDP Context Activation | ☐ |
| 116 | Phase2 | 1.991 | Support of MO SMS Concatenation | ☒ |
| 117 | Phase2 | 1.992 | Support of MT SMS Concatenation | ☒ |
| 118 | R97 | 1.993 | NITZ Supported | ☒ |
| 119 | R97 | 1.994 | R97/98 MS Use of DST (Daylight Saving Time) | ☐ |
| 120 | R97 | 1.995 | Deletion of NITZ parameters supported | ☒ |
| 121 | R97 | 1.996 | Re-attach automatically when the network commands a detach with no cause value | ☐ |
| 122 | R98 | 1.997 | Support of GPRS header compression algorithm type RFC 1144 | ☒ |
| 123 | R99 | 1.998 | Support of GPRS header compression algorithm type RFC 2507 | ☐ |
| 124 | Rel-6 | 1.999 | Support of ROHC algorithm type RFC 3241 | ☐ |
| 125 | Rel-6 | 1.1000 | Support of ROHC algorithm type RFC 3242 | ☐ |
| 126 | Rel-6 | 1.1001 | Support of ROHC algorithm type RFC 3408 | ☐ |
| 127 | Rel-6 | 1.1002 | Support of ROHC algorithm type RFC 3095 | ☐ |
| 128 | R97 | 1.1003 | The way to trigger transferring of new user data in a different PDP context while an uplink transfer is in progress | ☐ |
| 129 | R99 | 1.1004 | Support of DARP phase 1 | ☐ |
| 130 | R99 | 1.1005 | Support of Card Application | ☐ |

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| Item | Release | Additional Information | Supported |
|---|---|---|---|
| 131 | Rel-5 | 1.1006 Support of GSM half rate speech version 6 (O-TCH/AHS) | ☐ |
| 132 | R99 | 1.1007 MS with improved receiver performance | ☐ |
| 133 | Rel-5 | 1.1008 Support of GSM speech full rate version 4 (O-TCH/WFS) | ☐ |
| 134 | R97 | 1.1009 Verification for correct repetition of new password | ☐ |
| 135 | R99 | 1.1010 MS using reduced interslot dynamic range in multislot configurations | ☐ |
| 136 | Rel-5 | 1.1011 Support of GSM speech half rate version 4 (O-TCH/WHS) | ☐ |
| 137 | Rel-5 | 1.1012 Support of GSM Speech Full Rate version 5 (TCH/WFS) | ☐ |
| 138 | Phase2 | 1.1013 Support of overwriting the existing Class 2 SMS | ☐ |
| 139 | Rel-6 | 1.1014 Support of Repeated ACCH | ☐ |
| 140 | R98 | 1.1015 Support for a method for resetting stored A-GPS assistance data | ☐ |

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

| Item | Release | Additional Information | Support | Values | |
|---|---|---|---|---|---|
| | | | | Allowed | Supported |
| 1 | R98 | 1.1016 AMR C/I normalization factor (units: dB) | 1.1017 ☒ | 0 … ∞ | 0 |
| 2 | R98 | 1.1018 Loop C delay (round trip delay, in number of TDMA frames) | 1.1019 ☒ | 1 … ∞ | 1 |
| 3 | R99 | 1.1020 AMR C/I normalization factors (AFS, DARP) 12 values representing SS adjustment of variable normalisation factors for C/I values as stated in 14.10.3 (units: dB) | 1.1021 ☐ | 0 … ∞,<br>0 … ∞,<br>…<br>…<br>0 … ∞ | |
| 4 | R99 | 1.1022 AMR C/I normalization factors (AHS, DARP) 10 values representing SS adjustment of variable normalisation factors for C/I values as stated in 14.10.4 (units: dB) | 1.1023 ☐ | 0 … ∞,<br>0 … ∞,<br>…<br>…<br>0 … ∞ | |
| 5 | Rel-5 | 1.1024 O-TCH/F C/I normalisation factor (units: dB) | 1.1025 ☐ | 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 | 1.1026 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + UL:3.4 DL 3.4 kbps SRBs for DCCH | ☐ |
| 2 | R99 | 1.1027 Streaming / unknown / UL:14.4/DL:14.4 kbps / CS RAB + UL:3.4 DL 3.4 kbps SRBs for DCCH | ☐ |
| 3 | R99 | 1.1028 Streaming / unknown / UL:28.8/DL:28.8 kbps / CS RAB + UL:3.4 DL 3.4 kbps SRBs for DCCH | ☐ |
| 4 | R99 | 1.1029 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 | 1.1030 ME supports **all** SIM Application Toolkit features according to R96 | ☐ |
| 2 | 1.1031 ME supports **all** SIM Application Toolkit features according to R97 | ☒ |
| 3 | 1.1032 ME supports **all** SIM Application Toolkit features according to R98 | ☐ |
| 4 | 1.1033 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 | 1.1034 Capability Configuration parameter | ☒ |
| 2 | 1.1035 Sustained text | ☐ |
| 3 | 1.1036 UCS2 coding scheme for Entry | ☒ |
| 4 | 1.1037 Extended Text String | ☒ |
| 5 | 1.1038 Help information | ☒ |
| 6 | 1.1039 Icons | ☐ |
| 7 | 1.1040 Class A: Dual Slot | ☐ |
| 8 | 1.1041 Detachable reader | ☐ |
| 9 | 1.1042 Class B: RUN AT | ☐ |
| 10 | 1.1043 Class C: LAUNCH BROWSER | ☐ |
| 11 | 1.1044 Class D: Soft keys | ☐ |
| 12 | 1.1045 Class E: B.I.P related to CSD | ☐ |
| 13 | 1.1046 Screen sizing parameters | ☐ |
| 14 | 1.1047 Screen Resizing | ☐ |
| 15 | 1.1048 UCS2 coding scheme for Display | ☒ |
| 16 | 1.1049 Mobile supporting GPRS | ☒ |
| 17 | 1.1050 Mobile supporting UDP | ☐ |
| 18 | 1.1051 Mobile supporting TCP | ☐ |
| 19 | 1.1052 Redial in Set Up Call | ☐ |
| 20 | 1.1053 Mobile decision to respond with "No response from user" in finite time | ☒ |
| 21 | 1.1054 Class E: B.I.P related to GPRS | ☐ |
| 22 | 1.1055 Mobile supporting Called Party Subaddress | ☒ |
| 23 | 1.1056 Mobile supporting Fixed Dialling Numbers | ☒ |
| 24 | 1.1057 Mobile supporting Barred Dialling Numbers | ☒ |
| 25 | 1.1058 Mobile supporting “+CIMI” in combination with Run AT Command | ☐ |
| 26 | 1.1059 UCS2 in Cyrillic | ☒ |
| 27 | 1.1060 Mobile supporting ‘9EXX’response code for SIM data download error | ☒ |
| 28 | 1.1061 Mobile supporting Envelope Call Control always sent to the SIM during automatic redial mode | ☐ |
| 29 | 1.1062 Mobile supporting 2nd alpha identifier in SET UP CALL | ☒ |
| 30 | 1.1063 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 | 1.1064 Preferred buffer size supported by the terminal for Open Channel command is greater than 0 byte and less than 65535 bytes | ☐ |
| 32 | 1.1065 Terminal supports Dual Transfer Mode (allowing GPRS connection and call at the same time) | ☐ |
| 33 | 1.1066 Terminal supports Long ForwardToNumber | ☐ |
| 34 | 1.1067 Terminal executes User confirmation phase before sending PDP context activation request | ☐ |

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

| Item | Description | Status | Value |
|---|---|---|---|
| 1 | 1.1068 DISPLAY TEXT: No response from user Timeout interval | 1.1069 | 30 |
| 2 | 1.1070 GET INKEY: No response from user Timeout interval | 1.1071 | 30 |
| 3 | 1.1072 GET INPUT: No response from user Timeout interval | 1.1073 | 30 |
| 4 | 1.1074 SELECT ITEM: No response from user Timeout interval | 1.1075 | 30 |
| 5 | 1.1076 Preferred buffer size supported by the terminal for Open Channel command | 1.1077 | |
| 1.1078 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 | 1.1079 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 | 1.1080 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 | 1.1081 Profile Download | ☒ |
| 2 | R96 | 1.1082 SMS-PP data download | ☒ |
| 3 | R96 | 1.1083 Cell Broadcast data download | ☒ |
| 4 | R96 | 1.1084 Menu selection | ☒ |
| 5 | R97 | 1.1085 '9EXX' response code for SIM data download error | ☒ |
| 6 | R98 | 1.1086 Timer expiration | ☐ |
| 7 | R98 | 1.1087 USSD string data object supported in call control | ☒ |
| 8 | R99 | 1.1088 Envelope Call Control always sent to the SIM during automatic redial mode | ☐ |
| 9 | R96 | 1.1089 Command result | ☒ |
| 10 | R96 | 1.1090 Call Control by SIM | ☒ |
| 11 | R97 | 1.1091 Cell identity included in Call Control by SIM | ☒ |
| 12 | R98 | 1.1092 MO short message control by SIM | ☒ |
| 13 | R97 | 1.1093 Handling of the alpha identifier | ☒ |
| 14 | R97 | 1.1094 UCS2 Entry supported | ☒ |
| 15 | R97 | 1.1095 UCS2 Display supported | ☒ |
| 16 | R98 | 1.1096 Display of the extension text | ☒ |
| 17 | R96 | 1.1097 DISPLAY TEXT | ☒ |
| 18 | R96 | 1.1098 GET INKEY | ☒ |
| 19 | R96 | 1.1099 GET INPUT | ☒ |
| 20 | R96 | 1.1100 MORE TIME | ☒ |
| 21 | R96 | 1.1101 PLAY TONE | ☒ |
| 22 | R96 | 1.1102 POLL INTERVAL | ☒ |
| 23 | R96 | 1.1103 POLLING OFF | ☒ |
| 24 | R96 | 1.1104 REFRESH | ☒ |
| 25 | R96 | 1.1105 SELECT ITEM | ☒ |
| 26 | R96 | 1.1106 SEND SHORT MESSAGE | ☒ |
| 27 | R96 | 1.1107 SEND SS | ☒ |
| 28 | R98 | 1.1108 SEND USSD | ☒ |
| 29 | R96 | 1.1109 SET UP CALL | ☒ |
| 30 | R96 | 1.1110 SET UP MENU | ☒ |
| 31 | R96 | 1.1111 PROVIDE LOCAL INFORMATION (LOCI & IMEI) | ☒ |
| 32 | R97 | 1.1112 PROVIDE LOCAL INFORMATION (NMR) | ☒ |
| 33 | R98 | 1.1113 SET UP EVENT LIST | ☒ |
| 34 | R98 | 1.1114 Event : MT call | ☒ |
| 35 | R98 | 1.1115 Event : Call connected | ☒ |
| 36 | R98 | 1.1116 Event : Call disconnected | ☒ |
| 37 | R98 | 1.1117 Event : Location status | ☒ |
| 38 | R98 | 1.1118 Event : User activity | ☒ |
| 39 | R98 | 1.1119 Event : Idle screen available | ☒ |
| 40 | R98 | 1.1120 Event : Card reader status | ☐ |
| 41 | R99 | 1.1121 Event : Language selection | ☐ |
| 42 | R99 | 1.1122 Event : Browser Termination | ☐ |
| 43 | R99 | 1.1123 Event : Data available | ☐ |
| 44 | R99 | 1.1124 Event : Channel status | ☐ |
| 45 | R96 | 1.1125 RFU | --- |
| 46 | R96 | 1.1126 RFU | --- |
| 47 | R96 | 1.1127 RFU | --- |
| 48 | R96 | 1.1128 RFU | --- |
| 49 | R98 | 1.1129 POWER ON CARD | ☐ |
| 50 | R98 | 1.1130 POWER OFF CARD | ☐ |
| 51 | R98 | 1.1131 PERFORM CARD APDU | ☐ |
| 52 | R98 | 1.1132 GET READER STATUS (Card reader status) | ☐ |
| 53 | R99 | 1.1133 GET READER STATUS (Card reader identifier) | ☐ |
| 54 | R96 | 1.1134 RFU | --- |
| 55 | R96 | 1.1135 RFU | --- |
| 56 | R96 | 1.1136 RFU | --- |
| 57 | R98 | 1.1137 TIMER MANAGEMENT (start, stop) | ☐ |

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| Item | Release | Terminal Profile | | Supported |
|---|---|---|---|---|
| 58 | R98 | 1.1138 | TIMER MANAGEMENT (get current value) | ☐ |
| 59 | R98 | 1.1139 | PROVIDE LOCAL INFORMATION (date, time and time zone) | ☐ |
| 60 | R98 | 1.1140 | Binary choice in GET INKEY | ☐ |
| 61 | R98 | 1.1141 | SET UP IDLE MODE TEXT | ☐ |
| 62 | R98 | 1.1142 | RUN AT COMMAND (i.e. class "b" is supported) | ☐ |
| 63 | R98 | 1.1143 | 2nd alpha identifier in SET UP CALL | ☐ |
| 64 | R98 | 1.1144 | 2nd capability configuration parameter | ☐ |
| 65 | R98 | 1.1145 | Sustained DISPLAY TEXT | ☐ |
| 66 | R98 | 1.1146 | SEND DTMF command | ☐ |
| 67 | R98 | 1.1147 | PROVIDE LOCAL INFORMATION - BCCH | ☐ |
| 68 | R99 | 1.1148 | PROVIDE LOCAL INFORMATION (language) | ☐ |
| 69 | R99 | 1.1149 | PROVIDE LOCAL INFORMATION (Timing Advance) | ☐ |
| 70 | R99 | 1.1150 | LANGUAGE NOTIFICATION | ☐ |
| 71 | R99 | 1.1151 | LAUNCH BROWSER | ☐ |
| 72 | R96 | 1.1152 | RFU | --- |
| 73 | R99 | 1.1153 | Soft keys support for SELECT ITEM | ☐ |
| 74 | R99 | 1.1154 | Soft Keys support for SET UP MENU | ☐ |
| 75 | R96 | 1.1155 | RFU | --- |
| 76 | R96 | 1.1156 | RFU | --- |
| 77 | R96 | 1.1157 | RFU | --- |
| 78 | R96 | 1.1158 | RFU | --- |
| 79 | R96 | 1.1159 | RFU | --- |
| 80 | R96 | 1.1160 | RFU | --- |
| 81 | R99 | 1.1161 | Maximum number of soft keys available ('FF' = RFU) | ☐ |
| 82 | R99 | 1.1162 | Maximum number of soft keys available ('FF' = RFU) | ☐ |
| 83 | R99 | 1.1163 | Maximum number of soft keys available ('FF' = RFU) | ☐ |
| 84 | R99 | 1.1164 | Maximum number of soft keys available ('FF' = RFU) | ☐ |
| 85 | R99 | 1.1165 | Maximum number of soft keys available ('FF' = RFU) | ☐ |
| 86 | R99 | 1.1166 | Maximum number of soft keys available ('FF' = RFU) | ☐ |
| 87 | R99 | 1.1167 | Maximum number of soft keys available ('FF' = RFU) | ☐ |
| 88 | R99 | 1.1168 | Maximum number of soft keys available ('FF' = RFU) | ☐ |
| 89 | R99 | 1.1169 | OPEN CHANNEL | ☐ |
| 90 | R99 | 1.1170 | CLOSE CHANNEL | ☐ |
| 91 | R99 | 1.1171 | RECEIVE DATA | ☐ |
| 92 | R99 | 1.1172 | SEND DATA | ☐ |
| 93 | R99 | 1.1173 | GET CHANNEL STATUS | ☐ |
| 94 | R96 | 1.1174 | RFU | --- |
| 95 | R96 | 1.1175 | RFU | --- |
| 96 | R96 | 1.1176 | RFU | --- |
| 97 | R99 | 1.1177 | CSD supported by ME | ☐ |
| 98 | R99 | 1.1178 | GPRS supported by ME | ☐ |
| 99 | R96 | 1.1179 | RFU | --- |
| 100 | R96 | 1.1180 | RFU | --- |
| 101 | R96 | 1.1181 | RFU | --- |
| 102 | R99 | 1.1182 | Number of channels supported by ME | ☐ |
| 103 | R99 | 1.1183 | Number of channels supported by ME | ☐ |
| 104 | R99 | 1.1184 | Number of channels supported by ME | ☐ |
| 105 | R99 | 1.1185 | Number of characters supported down the ME | ☐ |
| 106 | R99 | 1.1186 | Number of characters supported down the ME | ☐ |
| 107 | R99 | 1.1187 | Number of characters supported down the ME | ☐ |
| 108 | R99 | 1.1188 | Number of characters supported down the ME | ☐ |
| 109 | R99 | 1.1189 | Number of characters supported down the ME | ☐ |
| 110 | R96 | 1.1190 | RFU | --- |
| 111 | R96 | 1.1191 | RFU | --- |
| 112 | R99 | 1.1192 | Screen Sizing Parameters | ☐ |
| 113 | R99 | 1.1193 | Number of characters supported across the ME display | ☐ |
| 114 | R99 | 1.1194 | Number of characters supported across the ME display | ☐ |
| 115 | R99 | 1.1195 | Number of characters supported across the ME display | ☐ |
| 116 | R99 | 1.1196 | Number of characters supported across the ME display | ☐ |
| 117 | R99 | 1.1197 | Number of characters supported across the ME display | ☐ |
| 118 | R99 | 1.1198 | Number of characters supported across the ME display | ☐ |
| 119 | R99 | 1.1199 | Number of characters supported across the ME display | ☐ |
| 120 | R99 | 1.1200 | Variable size fonts Supported | ☐ |
| 121 | R99 | 1.1201 | Display can be resized | ☐ |
| 122 | R99 | 1.1202 | Text Wrapping supported | ☐ |
| 123 | R99 | 1.1203 | Text Scrolling supported | ☐ |
| 124 | R96 | 1.1204 | RFU | --- |

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| Item | Release | Terminal Profile | | Supported |
|---|---|---|---|---|
| 125 | R96 | 1.1205 | RFU | --- |
| 126 | R99 | 1.1206 | Width reduction when in a menu | ☐ |
| 127 | R99 | 1.1207 | Width reduction when in a menu | ☐ |
| 128 | R99 | 1.1208 | Width reduction when in a menu | ☐ |
| 129 | R99 | 1.1209 | TCP | ☐ |
| 130 | R99 | 1.1210 | UDP | ☐ |
| 131 | R96 | 1.1211 | RFU | --- |
| 132 | R96 | 1.1212 | RFU | --- |
| 133 | R96 | 1.1213 | RFU | --- |
| 134 | R96 | 1.1214 | RFU | --- |
| 135 | R96 | 1.1215 | RFU | --- |
| 136 | R96 | 1.1216 | RFU | --- |
| 137 | R96 | 1.1217 | RFU | --- |
| 138 | R96 | 1.1218 | RFU | --- |
| 139 | R96 | 1.1219 | RFU | --- |
| 140 | R96 | 1.1220 | RFU | --- |
| 141 | R96 | 1.1221 | RFU | --- |
| 142 | R96 | 1.1222 | RFU | --- |
| 143 | R96 | 1.1223 | RFU | --- |
| 144 | R96 | 1.1224 | RFU | --- |
| 145 | R99 | 1.1225 | Protocol Version | ☐ |
| 146 | R99 | 1.1226 | Protocol Version | ☐ |
| 147 | R99 | 1.1227 | Protocol Version | ☐ |
| 148 | R99 | 1.1228 | Protocol Version | ☐ |
| 149 | R96 | 1.1229 | RFU | --- |
| 150 | R96 | 1.1230 | RFU | --- |
| 151 | R96 | 1.1231 | RFU | --- |
| 152 | R96 | 1.1232 | 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: | |
| 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: | **Q24Plus with Sim Holder - Q24PL003** |
| Hardware Version: | **306** |
| Software Version: | **Open AT® Firmware 6.57c** |

Date (yyyy-mm-dd) Printed Name Signature

# ANNEX D

**of**

# Partial GSM TEST REPORT

**No. 504/07T03**

**for**

**Wavecom**

**GSM 850/900/1800/1900 Terminal Equipment**

**Type Q24 Plus with SIM Holder**

**with**
**Final Hardware Version: 306**
**Final Software Version: Open AT® Firmware 6.57c**

# Photographs

**This Annex consists of 4 pages**

**Date of Report: 2007-03-21**

***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

Observer of GCF Global Certification Forum

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


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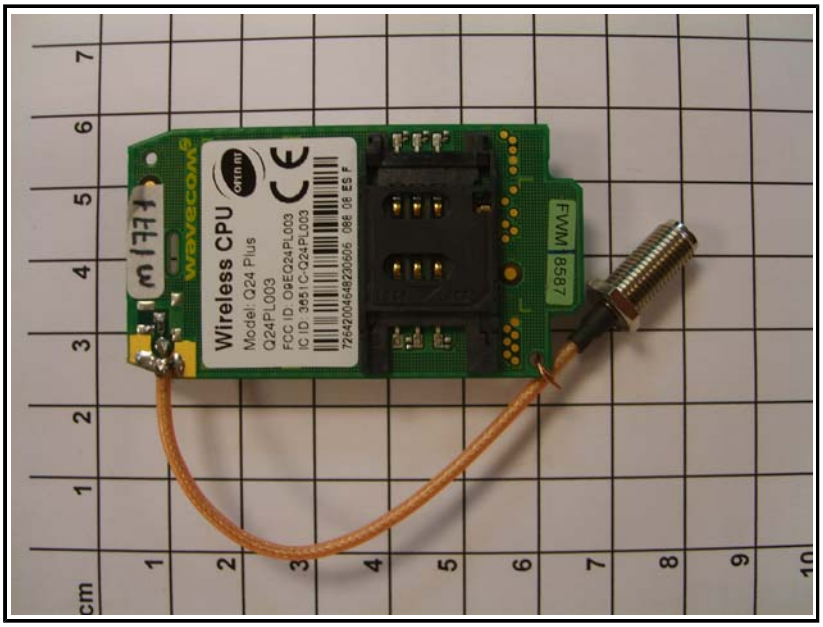
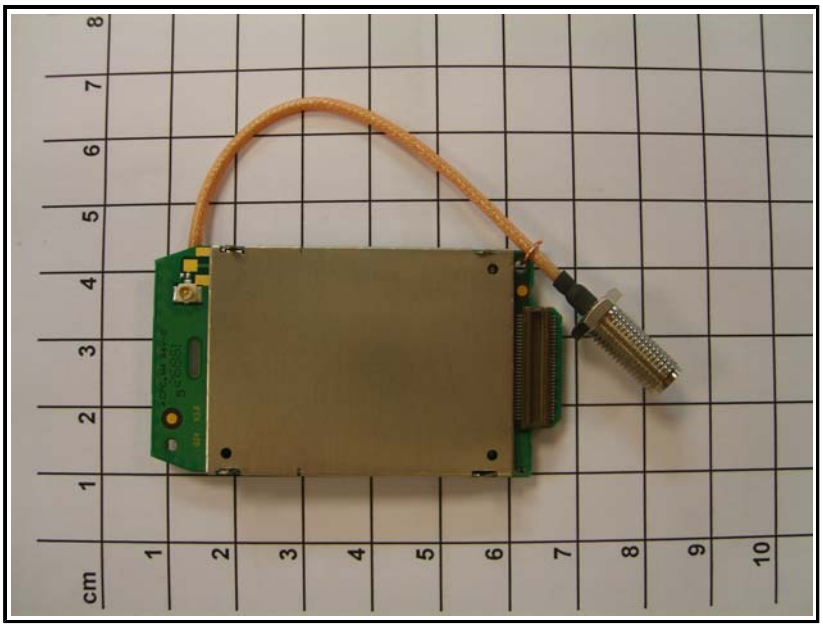
# 1. Photographs of the Equipment under Test

## 1.1 Top View of the EUT




## 1.2 Bottom View of the EUT



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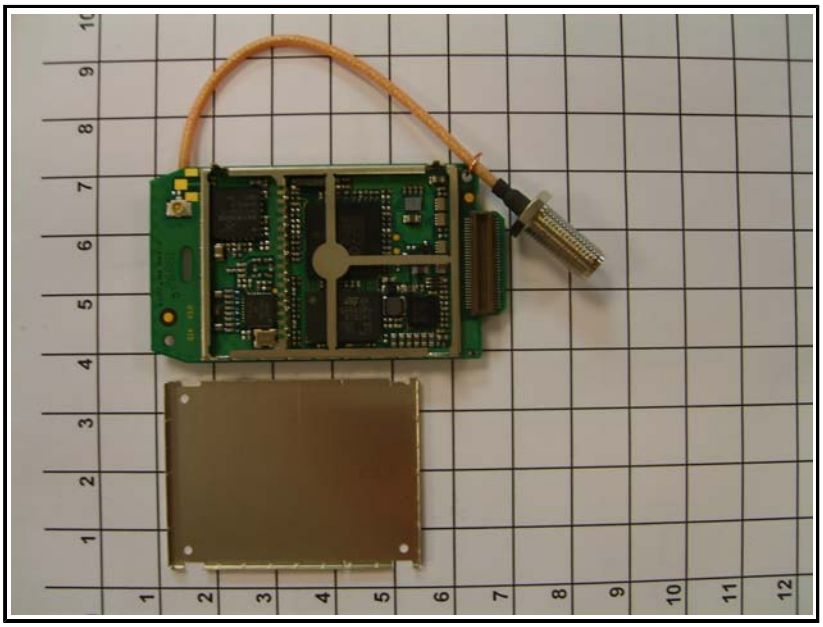
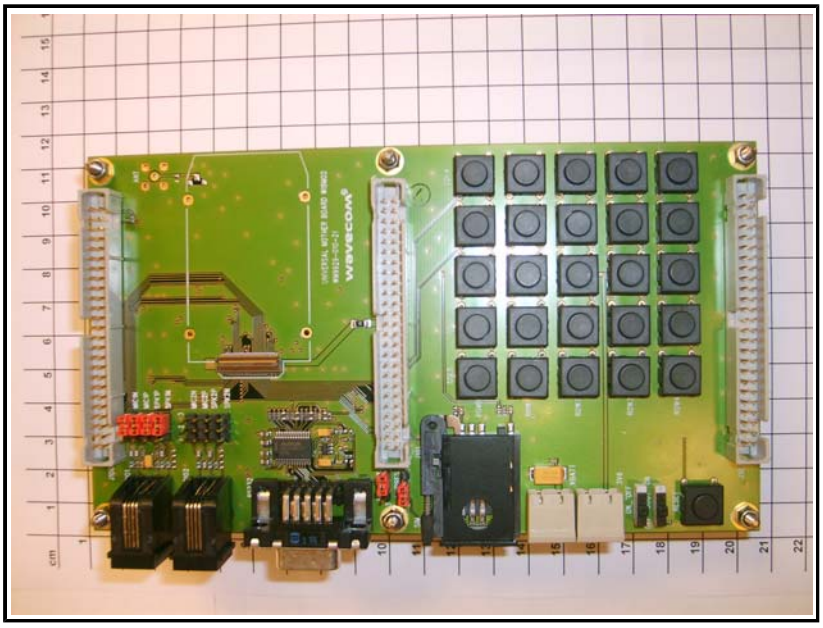
## 1.3 Bottom View of the EUT (Opened)



## 1.4 Top View of the Demo Board



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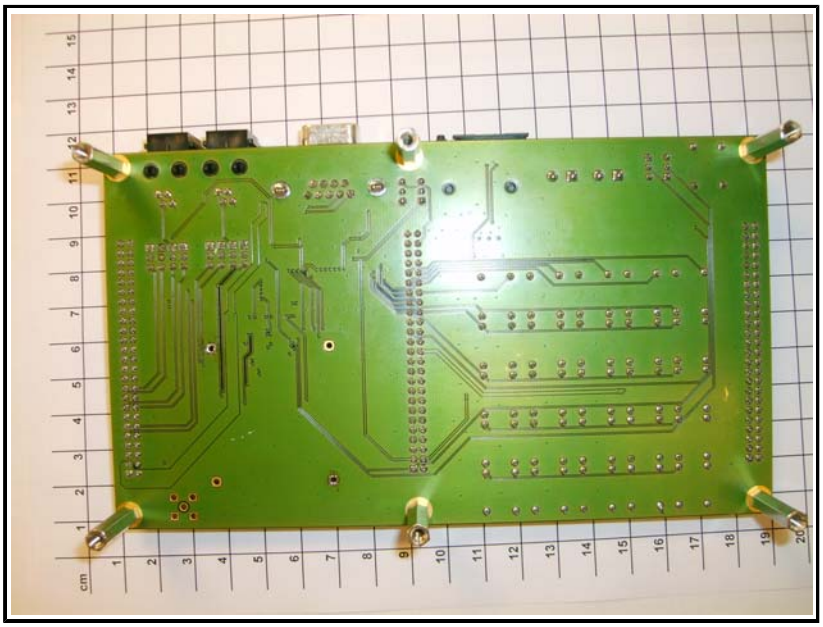
## 1.5 Bottom View of the Demo Board



# ANNEX E

**of**

# Partial GSM TEST REPORT

**No. 504/07T03**

**for**

**Wavecom**

**GSM 850/900/1800/1900 Terminal Equipment**

**Type Q24 Plus with SIM Holder**

**with**
**Final Hardware Version: 306**
**Final Software Version: Open AT® Firmware 6.57c**

# Detailed Test Results

**This Annex consists of 5 pages**

**Date of Report: 2007-03-21**

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**DAT-P-176/94-C0**

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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 Plus with SIM Holder

| TS 51.010-1 or TS 51.010-4 Requirement | | GCF-CC (V.3.25.0) for R97/98 GSM 900 | | | GCF-CC (V.3.25.0) for R97/98 GSM 1800 | | | NAPRD.03 (V.3.10.1) for R97/98 GSM 850 | | | NAPRD.03 (V.3.10.1) for R97/98 GSM 1900 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Test Case** | **Test Description** | **Cat** | **Verdict** | **Notes** | **Cat** | **Verdict** | **Notes** | **Cat** | **Verdict** | **Notes** | **Cat** | **Verdict** | **Notes** |
| 26.6.8.1 | Ciphering mode / start ciphering | P | ------- | --- | P | ------- | --- | --- | ------- | --- | --- | ------- | --- |
| 26.6.8.5 | Ciphering mode / IMEISV request | A | GSM 1900 | --- | A | GSM 1900 | --- | N | ------- | --- | A | PASS | 1 |
| 26.9.6.1.1 | Structured procedures / emergency call / idle updated / preferred channel rate | A | PASS | 1 | A | PASS | 1 | A | PASS | 1,[8] | A | PASS | 1,[8] |
| 26.9.6.2.1 | Structured procedures / emergency call / idle, no IMSI / accept case | A | PASS | 1 | A | PASS | 1 | A | PASS | 1 | A | PASS | 1 |
| 26.9.6.2.2 | Structured procedures / emergency call / idle, no IMSI / reject case | A | PASS | 1 | A | PASS | 1 | A | PASS | 1 | A | PASS | 1 |
| 26.16.10.1 | AMR signalling/ test of the channel mode modify procedure/ full rate | A | PASS | 1 | A | PASS | 1 | A | PASS | 1 | A | PASS | 1 |
| 26.16.10.2 | AMR signalling/ test of the channel mode modify procedure/ half rate | A | PASS | 1 | A | PASS | 1 | A | PASS | 1 | A | PASS | 1 |
| 27.22.2 | Contents of the TERMINAL PROFILE command | B | GSM 1900 | --- | B | GSM 1900 | --- | P | ------- | --- | B | PASS/---- | 1 |
| 27.22.4.1.4 | DISPLAY TEXT (Sustained text) | --- | ------- | --- | --- | ------- | --- | A | N/A | --- | A | N/A | --- |
| 27.22.4.5 | Proactive SIM Command: PLAY TONE | A | GSM 1900 | --- | A | GSM 1900 | --- | A | GSM 1900 | --- | A | PASS | 1 |
| 27.22.4.15 | Proactive SIM Command: PROVIDE LOCAL INFORMATION | A | GSM 1900 | --- | A | GSM 1900 | --- | A | GSM 1900 | --- | A | PASS | 1 |
| 27.22.6.1 | Call control: Procedure for mobile originated calls | A | GSM 1900 | --- | A | GSM 1900 | --- | A | GSM 1900 | --- | A | PASS | 1,[7] |
| 27.22.6.3 | Call control: Interaction with Fixed Dialing Number | A | GSM 1900 | --- | A | GSM 1900 | --- | A | GSM 1900 | --- | A | PASS | 1,[7] |
| 27.22.6.4 | Call Control: Support of Barred Dialing number (BDN) service | A | GSM 1900 | --- | A | GSM 1900 | --- | A | GSM 1900 | --- | A | PASS | 1,[7] |
| 30.12 | Sending sensitivity / frequency response | B | N/A | --- | B | N/A | --- | A | N/A | --- | A | N/A | --- |
| 30.13 | Sending loudness rating | B | N/A | --- | B | N/A | --- | A | N/A | --- | A | N/A | --- |
| 30.14 | Receiving sensitivity / frequency response | B | N/A | --- | B | N/A | --- | A | N/A | --- | A | N/A | --- |
| 30.15 | Receiving loudness rating | B | N/A | --- | B | N/A | --- | A | N/A | --- | A | N/A | --- |
| 30.16 | Side Tone Masking Rating (STMR) | B | N/A | --- | B | N/A | --- | A | N/A | --- | A | N/A | --- |
| 30.17.2 | Telephone acoustic coupling loss (TAL) - Stability margin | B | N/A | --- | B | N/A | --- | A | N/A | --- | A | N/A | --- |
| 30.18 | Distortion / Sending | B | N/A | --- | B | N/A | --- | A | N/A | --- | B | N/A | --- |

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