CETECOM™

Partial

GSM TEST REPORT

No. F1062_07GT01

according to GCF-CC (V.3.26.0) and NAPRD.03 (V.3.11.0)

for

Wavecom

GSM 850/900/1800/1900 Terminal Equipment

Type Fastrack Supreme 20

with

Final Hardware Version: 401; Wavecom Q2687: 420

Final Software Version: Open AT® Firmware 6.63; Wavecom Q2687: Open AT® Firmware 6.63

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

Annex A – Accreditation Certificate	**2 pages**
Annex B – Test Equipment	**8 pages**
Annex C – PICS/PIXIT Information	**23 pages**
Annex D – Photographs	**4 pages**
Annex E – Detailed Test Results	**6 pages**

Date of Report: 2007-09-05

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

ilac-MRA ACCREDITED CERTIFICATE # 2135.01

CTIA Authorized Test Lab
LAB CODE 20020328-00

Official Observer of GCF

***CETECOM* Inc.**
411 Dixon Landing Road ♦ Milpitas, CA 95035 ♦ U.S.A.
Phone: (+1) 408.586.6200 ♦ Fax: (+1) 408.586.6299 ♦ E-mail: info@cetecomusa.com ♦ http://www.cetecom.com
CETECOM Inc. is a Delaware Corporation with Corporation number: 2113686
Board of Directors: Dr. Harald Ansorge, Dr. Klaus Matkey, Hans Peter May

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Contents

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

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.3.26.0)

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	**2**	0	0	**2**	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	**4**	0	0	**4**	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
47	Dual Transfer Mode	0	0	0	0	0	0
51	EGPRS Paging, TBF establishment/release and DCCH related procedures	0	0	0	0	0	0
52	EGPRS Test of Medium Access Control (MAC) protocol	0	0	0	0	0	0
53	Test of EGPRS Radio Link Control (RLC) Protocol	0	0	0	0	0	0
57	EGPRS Dual Transfer Mode	0	0	0	0	0	0
60	Inter-system hard handover from GSM to UTRAN	0	0	0	0	0	0
70	Location Services	0	0	0	0	0	0
81	no description yet	0	0	0	0	0	0
82	no description yet	0	0	0	0	0	0
83	no description yet	0	0	0	0	0	0
90	Text Telephony (TTY) Services	0	0	0	0	0	0
	Total:	**6**	**0**	**0**	**6**	**0**	**0**

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Table 1b: Summary of Test Results according to NAPRD.03 (V.3.11.0)

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	**2**	0	0	**2**	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	**3**	0	0	**4**	0	0
27	Testing SIM/ME interface	0	0	0	**10**	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
47	Dual Transfer Mode	0	0	0	0	0	0
51	EGPRS Paging, TBF establishment/release and DCCH related procedures	0	0	0	0	0	0
52	EGPRS Test of Medium Access Control (MAC) protocol	0	0	0	0	0	0
53	Test of EGPRS Radio Link Control (RLC) Protocol	0	0	0	0	0	0
57	EGPRS Dual Transfer Mode	0	0	0	0	0	0
60	Inter-system hard handover from GSM to UTRAN	0	0	0	0	0	0
70	Location Services	0	0	0	0	0	0
81	no description yet	0	0	0	0	0	0
82	no description yet	0	0	0	0	0	0
83	no description yet	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**	**16**	**0**	**0**

CETECOM™
Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

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.

David Ahn
Project Leader
(Author of the Test Report)

Min Young Lee
Deputy Project Leader
(Verification of the Test Report)

M.Sc. Maan Ghanma
Test Lab Manager
(Responsible for the Test Report)

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

2. Administrative Data

2.1. Identification of the Responsible Testing Laboratory

Company Name:	*CETECOM* Inc.
Department:	Mobile Communications
Address:	411 Dixon Landing Road Milpitas, CA 95035 U.S.A.
Telephone:	(+1) 408.586.6200
Fax:	(+1) 408.586.6299
Responsible Test Lab Managers:	COO Lars Eriksson M.Sc. Maan Ghanma

2.2. Identification of the Testing Location(s)

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

2.3. Organisational Items

***CETECOM* Reference No.:**	F1062_07GT01
***CETECOM* Order No.:**	WAVEC-003-REV2
***CETECOM* Project Leader:**	David Ahn
***CETECOM* Deputy Project Leader:**	Min Young Lee
Start of Testing:	2007-08-23
End of Testing:	2007-08-27

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

2.4. Identification of the Client

Company Name:	Wavecom, Inc.
Address:	430 Davis Drive Suite 300 Research Triangle Park NC 27709 USA
Contact Person:	Mr. Brian Young
Telephone:	+1 919 389 6631
Fax:	+1 919 237 4140

2.5. Identification of the Manufacturer

Company Name:	Wavecom S.A.
Address:	3, esplanade du Foncet 92442 Issy les Moulineaux Cedex France
Contact Person:	Ms. Carine Direxel
Telephone:	+33 1 4629 0800
Fax:	+33 1 4629 0808

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

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

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

3.1. Identification of the Equipment under Test

Brand Name:	Wavecom
Type Name:	Fastrack Supreme 20
Marketing Name:	Fastrack Supreme 20
GSM Frequency Bands:	GSM 850/900/1800/1900
FCC ID Number:	O9EQ2687
Industry Canada ID:	3651C-Q2687
Special Features / Comments:	GPRS (MSC 10) AMR

3.2. Front View of the Equipment under Test

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

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

EUT ID *	Serial Number	Hardware Version	Software Version
EUT1	2428	401; Wavecom Q2687: 420	Open AT® Firmware 6.63; Wavecom Q2687: Open AT® Firmware 6.63
EUT2	2410	401; Wavecom Q2687: 420	Open AT® Firmware 6.63; Wavecom Q2687: Open AT® Firmware 6.63

*) 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
AE1	Standard Laptop	-	-	-
AE2	Standard Handset	-	-	-

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

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

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	V3.26.0 (2007-04)
[2]	NAPRD.03	GSM N.A. Permanent Reference Document	V3.11.0 (2007-03)

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	V7.6.0 Release 7 (2007-06)
[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	V7.6.0 Release 7 (2007-06)
[5]	ETSI EN 301 511	Global System for Mobile communications (GSM); Harmonized EN for mobile stations in the GSM 900 and GSM 1800 bands covering essential requirements under article 3.2 of the R&TTE directive (1999/5/EC)	V9.0.2 (2003-03)

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

4.3. Additional Reference Documents for Testing

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

Table 4: Additional Reference Documents

No.	Identity / Description	Valid Since
[6]	**200705-02.ZIP** Error in test case 26.9.6.1.2 on all test platforms	2007-05-10
[7]	**PVG26_388_04_TC_26_9_6_1_1** PVG26_388_04_TC_26_9_6_1_1.doc PVG26_388	2004-07-26
[8]	**PVG31_xxx-05_Anite_CCCAP** Issue with CCCAP on the Anite SAT (TP2/TP24) (for INFO) PVG31_494	2005-09-20

ANNEX A

of

Partial GSM TEST REPORT

No. F1062_07GT01

Accreditation Certificate

This Annex consists of 2 pages

Date of Report: 2007-09-05

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

ilac-MRA ACCREDITED CERTIFICATE # 2135.01

CTIA Authorized Test Lab
LAB CODE 20020328-00

Official Observer of GCF

***CETECOM* Inc.**
411 Dixon Landing Road ♦ Milpitas, CA 95035 ♦ U.S.A.
Phone: (+1) 408.586.6200 ♦ Fax: (+1) 408.586.6299 ♦ E-mail: info@cetecomusa.com ♦ http://www.cetecom.com
CETECOM Inc. is a Delaware Corporation with Corporation number: 2113686
Board of Directors: Dr. Harald Ansorge, Dr. Klaus Matkey, Hans Peter May

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

THE AMERICAN
ASSOCIATION
FOR LABORATORY
ACCREDITATION

ACCREDITED LABORATORY

A2LA has accredited

CETECOM INC.
Milpitas, CA

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories.* This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 18 June 2005*).

Presented this 21st day of December 2005.

President
For the Accreditation Council
Certificate Number 2135.01
Valid to December 31, 2007

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

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

ANNEX B

of

Partial GSM TEST REPORT

No. F1062_07GT01

Test Equipment

This Annex consists of 8 pages

Date of Report: 2007-09-05

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

ACCREDITED
CERTIFICATE # 2135.01

CTIA Authorized Test Lab
LAB CODE 20020328-00

Official Observer of GCF

***CETECOM* Inc.**
411 Dixon Landing Road ♦ Milpitas, CA 95035 ♦ U.S.A.
Phone: (+1) 408.586.6200 ♦ Fax: (+1) 408.586.6299 ♦ E-mail: info@cetecomusa.com ♦ http://www.cetecom.com
CETECOM Inc. is a Delaware Corporation with Corporation number: 2113686
Board of Directors: Dr. Harald Ansorge, Dr. Klaus Matkey, Hans Peter May

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

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 ☐

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

1.7 Location "Yongin"

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

1.8 Location "Gumi"

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

1.9 Location "Shanghai"

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

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

2. List of Test Equipment

2.1 Anechoic Chamber

ID:	Anechoic Chamber [Mil 1]
Location:	Milpitas, CA (1.2)
Serialnumber:	N/A
Ambient Conditions:	Temperature: 15°C - 35°C Rel. Humidity: 20% - 75%
Calibration:	Date of last Test Equipment Calibration: N/A

2.2 R&S CRTU-G

ID:	R&S CRTU-G [Mil 1]
Location:	Milpitas, CA (1.2)
Serialnumber:	Master: RU:100290 SER:100209 Slave1: RU:100383 SER:100095 Slave2: RU:100270 SER:100198 Slave3: RU:100236 SER:100174
Hardware:	4
Software version:	**Basis Software**: CR02P2P BP version 1.32 CR02P2P ASP version 2.04 and v.2.06 and v.2.13 and v.2.20 and v.2.31 and v.2.32 and v.2.45 and v.2.50 and v.3.31 and v.3.34 and v.3.44 and v.3.50 and v.3.60 and v.3.61 and v.4.10 and v.4.11 CR02P2P EP version v1.66 U02P2P version 1.60 and v.1.80 and v.1.99 and v.1.9902 **Test Case Software**: CRTKEGS version 2.10 CRTKLU1 version 1.60 CRTKSS1 version 1.90 CRTKSS2 version 1.70 CRTKSS3 version 1.70 CRTKSS5 version 1.80 CRTKSS6 version 1.70 CRTPK51 version 2.20 CRTPK52 version 2.10 CRTPK53 version 2.20 CRTPK54 version 2.21 CRTPK56 version 2.00 and v.2.20 CRTPK58 version 2.00 CRTPK59 version 2.20 CRTPK5B version 2.10 CRTPK61 version 2.20 CRTPK62 version 2.10 CRTPK63 version 2.20 CRTPK64 version 2.21 CRTPK66 version 2.00 and v.2.20 CRTPK68 version 2.00

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Software version:	*(continued)* CRTPK69 version 2.20 CRTPK6B version 2.10 CRTPK71 version 2.20 CRTPK72 version 2.00 and v.2.10 CRTPK73 version 2.20 CRTPK74 version 2.21 CRTPK76 version 2.00 and v.2.20 CRTPK78 version 2.00 CRTPK79 version 2.20 CRTPK7B version 2.10 CRTU-GC02 version 1.70 and v.1.80 CRTU-GC03 version 1.60 and v.1.70 CRTU-GC04 version 1.60 CRTU-GC05 version 1.60 CRTU-GC06 version 1.60 CRTU-GC07 version 1.60 CRTU-GC08 version 1.70 CRTU-GC09 version 4.10 CRTU-GC12 version 1.22 CRTU-GC18 version 4.20 CRTU-GC19 version 1.82 and v.1.90 CRTU-GC20 version 1.70 CRTU-GC21 version 1.20 and v.1.30 CRTU-GC23 version 1.40 and v.1.41 CRTU-GC24 version 1.80 CRTU-GC28 version 1.20 CRTU-GC29 version 1.20 CRTU-GC31 version 4.20 CRTU-GC32 version 4.20 CRTU-GC33 version 4.20 CRTU-GC34 version 4.20 CRTU-GC35 version 4.20 CRTU-GC36 version 4.20 CRTU-GC37 version 4.20 CRTU-GC39 version 4.20 CRTU-GC41 version 4.10 and v.4.20 CRTU-GC61 version 4.20 CRTU-GC62 version 4.20 CRTU-GC63 version 4.20 CRTU-GC64 version 4.10 CRTU-GC65 version 4.10 CRTU-GC68 version 4.20 CRTU-GC69 version 4.20 CRTU-GC70 version 4.20

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Software version:	*(continued)* CRTU-GC71 version 4.20 CRTU-GC72 version 4.20 CRTU-GC73 version 4.20 CRTU-GC74 version 4.20 CRTU-GC75 version 4.20 CRTU-GC76 version 4.20 CRTU-GC77 version 4.10 and v.4.20 CRTU-GC78 version 4.10 and v.4.20 CRTU-GC79 version 4.11 CRTU-GC80 version 4.20 CRTU-GC84 version 4.10 CRTU-GC85 version 4.20 CRTU-GC86 version 4.20 CRTU-GC87 version 4.20 CRTU-GC88 version 4.20 CU-GC01 version 1.71
Ambient Conditions:	Temperature: 15°C - 35°C Rel. Humidity: 20% - 75%
Calibration:	Date of last Test Equipment Calibration: 2007-05-28

2.3 R&S CMU 200

ID:	**R&S CMU 200 [Mil 1]**
Location:	Milpitas, CA (1.2)
Serialnumber:	101821
Hardware:	CMU-B21 CMU-B52 CMU-K21 CMU-K22 CMU-K23 CMU-K24
Software version:	**Test Case Software**: Firmware CMU version 3.54
Ambient Conditions:	Temperature: 15°C - 35°C Rel. Humidity: 20% - 75%
Calibration:	Date of last Test Equipment Calibration: 2007-05-25

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

2.4 COMPRION IT³

ID:	COMPRION IT3 [Mil 1]
Location:	Milpitas, CA (1.2)
Serialnumber:	B3203-50064
Hardware:	V1.2 (Analog Simulator) V1.2 (Digital Simulator)
Software version:	**Basis Software**: IT³ Test Platform version 3.8.4 **Test Case Software**: IT³ 3GPP TS 51.010-1 (analog) version 3.8.4 IT³ 3GPP TS 51.010-1 (analog-PCS1900) version 3.8.4 IT³ 3GPP TS 51.010-1 (digital) version 3.8.4 IT³ 3GPP TS 51.010-1 (digital-PCS1900) version 3.8.4 IT³ 3GPP TS 51.10-4 Stage 1 version 3.8.4 IT³ 3GPP TS 51.10-4 Stage 1 (PCS1900) version 3.8.4 IT³ 3GPP TS 51.10-4 Stage 2 version 3.8.4 IT³ 3GPP TS 51.10-4 Stage 2 (PCS1900) version 3.8.4
Ambient Conditions:	Temperature: 20°C - 26°C Rel. Humidity: 20% - 75%
Calibration:	Date of last Test Equipment Calibration: 2006-10-13

2.5 Anite SAT (Agilent HW)

ID:	Anite SAT (Agilent HW) [Mil 1]
Location:	Milpitas, CA (1.2)
Serialnumber:	E5515B: GB40410372, GB40410369, GB40470460, GB40470445; RF Distribution Unit: 017
Hardware:	Anite RF Combiner Vertical Agilent 8960 Series 10 (E5515C) 4 units
Software version:	**Basis Software**: Anite CT (EGPRS) Campaign Manager version 39.0 Anite PT (GERAN) version 29.0 **Test Case Software**: SAT 850 Dual Band ATS version 27.00 SAT 850 Main ATS version 27.00 SAT Cell Selection version 27.00 SAT Dual Band version 27.00 SAT EFR version 27.00 SAT EGPRS Batch 1 version E1.39 SAT GCF ATS version 27.00 SAT GPRS Batch 1 version 1.39 SAT GPRS Batch 2 version 2.39 SAT GPRS Batch 3 version 3.39 SAT GPRS Batch 4 version 4.39

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Software version:	*(continued)* SAT Layer 2 version 27.00 SAT Main ATS version 27.00 SAT PCS Main ATS version 27.00 SAT RLP version 27.00 SAT Section 12 version 27.00 SAT Section 27 version 27.00 SAT Section 32 version 27.00 **TOM Tool Software**: General Integration Tool version 2.7.6.90
Ambient Conditions:	Temperature: 15°C - 35°C Rel. Humidity: 20% - 75%
Calibration:	Date of last Test Equipment Calibration: 2007-03-22

2.6 Additional Equipment for Testing the Radiated Spurious Emissions

ID	Loc	Instrument / Equipment	Type	Manufacturer	Serialnumber
SE101M	1.2	EMI Receiver/Analyzer	ESIB 40	Rohde & Schwarz	100107
SE102M	1.2	Pre Amplifier	AFS4-00101	MITEQ	800-55-LN
SE103M	1.2	High Pass Filter-1	System Integrated	Weinschel	N.A.
SE104M	1.2	High Pass Filter-2	System Integrated	Weinschel	N.A.
SE105M	1.2	Notch Filter-1 (GSM 900)	System Integrated	Weinschel	N.A.
SE106M	1.2	Notch Filter-2 (GSM 1800)	System Integrated	Weinschel	N.A.
SE107M	1.2	Notch Filter-3 (GSM 1900)	System Integrated	Weinschel	N.A.
SE108M	1.2	Biconilog Antenna	3141	EMCO	0005-1186
SE111M	1.2	Notch Filter-4 (GSM 850)	System Integrated	Weinschel	3
SE112M	1.2	Horn Antenna	3115	EMCO	35114

ANNEX C

of

Partial GSM TEST REPORT

No. F1062_07GT01

for

Wavecom

GSM 850/900/1800/1900 Terminal Equipment

Type Fastrack Supreme 20

with

Final Hardware Version: 401; Wavecom Q2687: 420

Final Software Version: Open AT® Firmware 6.63; Wavecom Q2687: Open AT® Firmware 6.63

PICS/PIXIT Information

This Annex consists of 23 pages

Date of Report: 2007-09-05

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

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

ilac-MRA ACCREDITED CERTIFICATE # 2135.01

CTIA Authorized Test Lab
LAB CODE 20020328-00

Official Observer of GCF

***CETECOM* Inc.**
411 Dixon Landing Road ♦ Milpitas, CA 95035 ♦ U.S.A.
Phone: (+1) 408.586.6200 ♦ Fax: (+1) 408.586.6299 ♦ E-mail: info@cetecomusa.com ♦ http://www.cetecom.com
CETECOM Inc. is a Delaware Corporation with Corporation number: 2113686
Board of Directors: Dr. Harald Ansorge, Dr. Klaus Matkey, Hans Peter May

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

PIXIT - Protocol Implementation Extra Information for Testing

Fastrack Supreme 20
*Power Supply
Nominal testing voltage 13.2 V [Q2687: 3.6V]
Maximal testing voltage 32 V [Q2687: 4.5V]
Minimal testing voltage 5.5 V [Q2687: 3.2V]

PICS - Protocol Implementation Conformance Statement

According to Specification 3GPP TS 51.010-2 V7.6.0 (2007-06)

Table A.1: Types of Mobile Stations

Item	Release	Type of Mobile Station	Supported
1	Ph2	Standard GSM Band (P-GSM)	N
2	Ph2	Extended GSM Band (E-GSM), (including standard Band)	Y
3	R96	R-GSM Band (including standard and E-GSM Band)	N
4	Ph2	GSM 1800 band	Y
5	Ph2	Multiple-band, not simultaneously	N
6	Ph2	Multiple-band, simultaneously	Y
7	Ph2	Small Mobile Station	Y
8	Ph2	GSM Power Class 2	N
9	Ph2	GSM Power Class 3	N
10	Ph2	GSM Power Class 4	Y
11	Ph2	GSM Power Class 5	N
12	Ph2	DCS Power Class 1	Y
13	Ph2	DCS Power Class 2	N
14	Ph2	DCS Power Class 3	N
15	R96	HSCSD Multislot MS	N
16	R99	GSM 450 band	N
17	R99	GSM 480 band	N
18	R98	GSM 1900 band	Y
19	R98	GSM 1900 Power Class 1	Y
20	R98	GSM 1900 Power Class 2	N
21	R98	GSM 1900 Power Class 3	N
22	R96	Multislot Class1	N
23	R96	Multislot Class2	N
24	R96	Multislot Class3	N
25	R96	Multislot Class4	N
26	R96	Multislot Class5	N
27	R96	Multislot Class6	N
28	R96	Multislot Class7	N
29	R96	Multislot Class8	N
30	R96	Multislot Class9	N
31	R96	Multislot Class10	N

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Item	Release	Type of Mobile Station	Supported
32	R96	Multislot Class11	N
33	R96	Multislot Class12	N
34	R96	Multislot Class13	N
35	R96	Multislot Class14	N
36	R96	Multislot Class15	N
37	R96	Multislot Class16	N
38	R96	Multislot Class17	N
39	R96	Multislot Class18	N
40	R97	Multislot Class19	N
41	R97	Multislot Class20	N
42	R97	Multislot Class21	N
43	R97	Multislot Class22	N
44	R97	Multislot Class23	N
45	R97	Multislot Class24	N
46	R97	Multislot Class25	N
47	R97	Multislot Class26	N
48	R97	Multislot Class27	N
49	R97	Multislot Class28	N
50	R97	Multislot Class29	N
51	R97	GPRS Multislot operation	Y
52	R99	EGPRS capable of 8PSK in Uplink, of all Multislot classes	Y
53	Rel-4	GSM 700 band	N
54	Rel-4	GSM 750 band	N
55	R99	GSM 850 band	Y
56	R99	Support of UTRAN Radio Access Technology	N
57	R97	Support of GPRS Multislot class on the uplink	Y
58	R99	Support of COMPACT	N
59	R99	DTM/GPRS Multislot Class 1	N
60	R99	DTM/GPRS Multislot Class 5	N
61	R99	DTM/GPRS Multislot Class 9	N
62	R99	Support of singleslot allocation in DTM/GPRS	N
63	R99	Support of UTRAN FDD	N
64	R99	Support of UTRAN TDD	N
65	R98	Support of Conventional GPS	N
66	R99	EGPRS Multislot operation	Y
67	R97	GPRS Multislot Class1	N
68	R97	GPRS Multislot Class2	N
69	R97	GPRS Multislot Class3	N
70	R97	GPRS Multislot Class4	N
71	R97	GPRS Multislot Class5	N
72	R97	GPRS Multislot Class6	N
73	R97	GPRS Multislot Class7	N
74	R97	GPRS Multislot Class8	N
75	R97	GPRS Multislot Class9	N
76	R97	GPRS Multislot Class10	Y
77	R97	GPRS Multislot Class11	N
78	R97	GPRS Multislot Class12	N
79	R97	GPRS Multislot Class13	N
80	R97	GPRS Multislot Class14	N
81	R97	GPRS Multislot Class15	N
82	R97	GPRS Multislot Class16	N
83	R97	GPRS Multislot Class17	N
84	R97	GPRS Multislot Class18	N
85	R97	GPRS Multislot Class19	N
86	R97	GPRS Multislot Class20	N
87	R97	GPRS Multislot Class21	N
88	R97	GPRS Multislot Class22	N
89	R97	GPRS Multislot Class23	N
90	R97	GPRS Multislot Class24	N
91	R97	GPRS Multislot Class25	N
92	R97	GPRS Multislot Class26	N
93	R97	GPRS Multislot Class27	N
94	R97	GPRS Multislot Class28	N
95	R97	GPRS Multislot Class29	N

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Item	Release	Type of Mobile Station	Supported
96	R99	EGPRS Multislot Class1	N
97	R99	EGPRS Multislot Class2	N
98	R99	EGPRS Multislot Class3	N
99	R99	EGPRS Multislot Class4	N
100	R99	EGPRS Multislot Class5	N
101	R99	EGPRS Multislot Class6	N
102	R99	EGPRS Multislot Class7	N
103	R99	EGPRS Multislot Class8	N
104	R99	EGPRS Multislot Class9	N
105	R99	EGPRS Multislot Class10	Y
106	R99	EGPRS Multislot Class11	N
107	R99	EGPRS Multislot Class12	N
108	R99	EGPRS Multislot Class13	N
109	R99	EGPRS Multislot Class14	N
110	R99	EGPRS Multislot Class15	N
111	R99	EGPRS Multislot Class16	N
112	R99	EGPRS Multislot Class17	N
113	R99	EGPRS Multislot Class18	N
114	R99	EGPRS Multislot Class19	N
115	R99	EGPRS Multislot Class20	N
116	R99	EGPRS Multislot Class21	N
117	R99	EGPRS Multislot Class22	N
118	R99	EGPRS Multislot Class23	N
119	R99	EGPRS Multislot Class24	N
120	R99	EGPRS Multislot Class25	N
121	R99	EGPRS Multislot Class26	N
122	R99	EGPRS Multislot Class27	N
123	R99	EGPRS Multislot Class28	N
124	R99	EGPRS Multislot Class29	N
125	R99	GSM 850 Power Class 2	N
126	R99	GSM 850 Power Class 3	N
127	R99	GSM 850 Power Class 4	Y
128	R99	GSM 850 Power Class 5	N
129	R99	8-PSK GSM Power Class E1	N
130	R99	8-PSK GSM Power Class E2	Y
131	R99	8-PSK GSM Power Class E3	N
132	R99	8-PSK DCS Power Class E1	N
133	R99	8-PSK DCS Power Class E2	Y
134	R99	8-PSK DCS Power Class E3	N
135	R99	8-PSK PCS Power Class E1	N
136	R99	8-PSK PCS Power Class E2	Y
137	R99	8-PSK PCS Power Class E3	N
138	R99	8-PSK GSM 850 Power Class E1	N
139	R99	8-PSK GSM 850 Power Class E2	Y
140	R99	8-PSK GSM 850 Power Class E3	N
141	R99	GSM850 and GSM1800 Band Interworking	N
142	R99	GSM900 and GSM1900 Band Interworking	N
143	R99	GSM850 and GSM900 Band Interworking	N
144	R99	DTM/EGPRS Multislot Class 1	N
145	R99	DTM/EGPRS Multislot Class 5	N
146	R99	DTM/EGPRS Multislot Class 9	N
147	R99	Support of singleslot allocation in DTM/EGPRS	N
148	R99	DTM/GPRS Multislot Class 11	N
149	Rel-5	GPRS Multislot Class30	N
150	Rel-5	GPRS Multislot Class31	N
151	Rel-5	GPRS Multislot Class32	N
152	Rel-5	GPRS Multislot Class33	N
153	Rel-5	GPRS Multislot Class34	N
154	Rel-5	GPRS Multislot Class35	N
155	Rel-5	GPRS Multislot Class36	N
156	Rel-5	GPRS Multislot Class37	N
157	Rel-5	GPRS Multislot Class38	N
158	Rel-5	GPRS Multislot Class39	N
159	Rel-5	GPRS Multislot Class40	N

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Item	Release	Type of Mobile Station	Supported
160	Rel-5	GPRS Multislot Class41	N
161	Rel-5	GPRS Multislot Class42	N
162	Rel-5	GPRS Multislot Class43	N
163	Rel-5	GPRS Multislot Class44	N
164	Rel-5	GPRS Multislot Class45	N
165	Rel-5	EGPRS Multislot Class30	N
166	Rel-5	EGPRS Multislot Class31	N
167	Rel-5	EGPRS Multislot Class32	N
168	Rel-5	EGPRS Multislot Class33	N
169	Rel-5	EGPRS Multislot Class34	N
170	Rel-5	EGPRS Multislot Class35	N
171	Rel-5	EGPRS Multislot Class36	N
172	Rel-5	EGPRS Multislot Class37	N
173	Rel-5	EGPRS Multislot Class38	N
174	Rel-5	EGPRS Multislot Class39	N
175	Rel-5	EGPRS Multislot Class40	N
176	Rel-5	EGPRS Multislot Class41	N
177	Rel-5	EGPRS Multislot Class42	N
178	Rel-5	EGPRS Multislot Class43	N
179	Rel-5	EGPRS Multislot Class44	N
180	Rel-5	EGPRS Multislot Class45	N
181	---	Void	N
182	Rel-7	GSM 710 band	N
183	Rel-7	T GSM 810 band	N
184	Rel-4	DTM/EGPRS Multislot Class 11	N
185	Rel-6	T-GSM 380 band	N
186	Rel-6	T-GSM 410 band	N
187	Rel-6	T-GSM 900 band	N
188	R99	EGPRS Multislot Operation in Uplink Direction	N

Table A.1b: MS Feature Release Supported

Item	Release	MS Feature Release Supported	Values	
			Allowed	Supported
1	R97	Release of GPRS supported	R97	N
			R98	N
			R99	Y
			Release 4	N
			Release 5	N
			Release 6	N
			Release 7	N
2	R98	Release of AMR supported	R98	N
			R99	Y
			Release 4	N
			Release 5	N
			Release 6	N
			Release 7	N
3	R99	Release of EGPRS supported	R99	Y
			Release 4	N
			Release 5	N
			Release 6	N
			Release 7	N

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Table A.2: Mobile Station Features

Item	Release	Mobile Station Feature	Supported
1	Ph2	Display of Called Number	N
2	Ph2	Indication of Call Progress Signals	N
3	Ph2	Country / PLMN Indication	N
4	Ph2	Country / PLMN Selection	Y
5	Ph2	Keypad	N
6	Ph2	IMEI	Y
7	Ph2	Short Message Overflow Indication	N
8	Ph2	DTE /DCE Interface	Y
9	Ph2	ISDN ”S” Interface	N
10	Ph2	International Access Function	Y
11	Ph2	Service Indicator	N
12	Ph2	Autocalling restriction capabilities	N
13	Ph2	Dual Tone Multi Frequency function	Y
14	Ph2	Subscription Identity Management	Y
15	Ph2	On / Off switch	Y
16	Ph2	Subaddress	N
17	Ph2	Support of Encryption A5/1	Y
18	---	Void	N
19	Ph2	Short Message Service Cell Broadcast DRX	Y
20	Ph2	Abbreviated Dialling	Y
21	Ph2	Fixed Number Dialling	Y
22	Ph2	Barring of Outgoing Calls	N
23	Ph2	DTMF Control Digits Separator	N
24	Ph2	Selection of Directory No in Short Messages	N
25	Ph2	Last Numbers Dialled	Y
26	Ph2	At least one autocalling feature	N
27	Ph2	Alphanumeric display	N
28	Ph2	Other means of display	N
29	Ph2	Speech indicator	N
30	R96	Support of the extended Short message cell broadcast channel	N
31	R96	Support of Additional Call Set-up MMI Procedures	N
32	---	Void	Y
33	Ph2	Ciphering Indicator	N
34	R96	Network’s indication of alerting in the MS $(NI Alert in MS)$	N
35	R96	ME-SIM lock	Y
36	R96	Service Dialling Numbers	Y
37	R99	Extended timing advance	N
38	R98	Support of SoLSA	N
39	R96	Audible Indication of Service Tones	N
40	Ph2	Autocalling_Cause 27 Implemented in Cat 3	N
41	R97	Support of GPRS	Y
42	R99	Support of EGPRS	Y
43	R98	Support of GPRS Encryption	Y
44	Ph2	Control of Supplementary Services	Y
45	Ph2	Short message	Y
46	Ph2	Emergency calls capabilities	Y
47	R97	GPRS operation mode class A	N
48	R97	GPRS operation mode class B	Y
49	R97	GPRS operation mode class C	Y
50	R99	MS supporting SMS over GPRS	Y
51	---	void	N
52	---	Void	N
53	R99	Support of ECSD	N
54	R97	GPRS test mode A	Y
55	R97	GPRS test mode B	N
56	---	EGPRS test mode	Y
57	R98	Support of MS-Assisted E-OTD	N
58	R97	Non-zero value of Non_DRX_Timer	Y
59	R98	Support of MS-Based GPS	N
60	R98	Support of MS-Assisted GPS	N

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Item	Release	Mobile Station Feature	Supported
61	R98	Privacy Option Supported	N
62	R99	Support of DTM/GPRS	N
63	R98	Support MS Assisted EOTD Performance for GMSK	N
64	R99	Support MS Assisted EOTD Performance for 8PSK	N
65	R99	Support of EGPRS Packet Access enhancement	N
66	---	void	N
67	R99	Support of MT SMS over GPRS	Y
68	---	void	N
69	R99	Support of DTM/EGPRS	N
70	R99	Support of Extended dynamic allocation	Y
71	Rel-6	Support of GAN	N
72	Rel-4	Support of GERAN FEATURE PACKAGE 1	N
73	Rel-6	Support of Encryption A5/3	N
74	Rel-4	Support of Fine Time Assistance	N
75	R97	Support of Encryption GEA2	N
76	Rel-6	Support of Encryption GEA3	N
77	Ph2 up to R98	Use of R99 Emergency numbers	N
78	Rel-5	Support of GERAN FEATURE PACKAGE 2	N
79	Rel-6	Support of GAN to UTRAN CS Handover	
80	Rel-6	Support of UTRAN to GAN CS Handover	
81	Rel-6	Support of Enhanced DTM CS	

Table A.3: Teleservices

Item	Release	Teleservice	Supported
1	Ph2	Telephony	Y
2	Ph2	Emergency Call	Y
3	Ph2	Short Message MT/PP	Y
4	Ph2	Short Message MO/PP	Y
5	Ph2	SMS Cell Broadcast	Y
6	Ph2	Teleservice Alternate Speech and G3 fax	N
7	Ph2	Teleservice Automatic G3 fax	Y
8	R96	Voice Group Call Service (VGCS)	N
9	R96	Voice Broadcast Service (VBS)	N
10	R96	SMS description	Y

Table A.4: Bearer Services

Item	Release	Bearer Service	Supported
1	Ph2	Data circuit duplex async. 300 bit/s	Y
2	Ph2	Data circuit duplex async. 1 200 bit/s	Y
3	Ph2	Data circuit duplex async. 1 200/75 bit/s	Y
4	Ph2	Data circuit duplex async. 2 400 bit/s	Y
5	Ph2	Data circuit duplex async. 4 800 bit/s	Y
6	Ph2	Data circuit duplex async. 9 600 bit/s	Y
7	Ph2	Data circuit duplex sync. 1 200 bit/s	N
8	Ph2	Data circuit duplex sync. 2 400 bit/s	N
9	Ph2	Data circuit duplex sync. 4 800 bit/s	N
10	Ph2	Data circuit duplex sync. 9 600 bit/s	N
11	Ph2	PAD Access 300 bit/s	N
12	Ph2	PAD Access 1 200 bit/s	N
13	Ph2	PAD Access 1 200/75 bits/s	N
14	Ph2	PAD Access 2 400 bit/s	N
15	Ph2	PAD Access 4 800 bit/s	N
16	Ph2	PAD Access 9 600 bit/s	N
17	Ph2	Packet Access 2 400 bit/s	N
18	Ph2	Packet Access 4 800 bit/s	N
19	Ph2	Packet Access 9 600 bit/s	N
20	Ph2	Alternate Speech/Data	N
21	Ph2	Speech Followed by Data	N
22	R97	GPRS	Y
23	Rel-6	Bluetooth data rate	N

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Item	Release	Bearer Service	Supported
24	Rel-6	WLAN data rate	N

Table A.5: Supplementary Services

Prerequisite: A.25/29 -- TSPC_AddInfo_SS

Item	Release	Supplementary Service	Supported
1	Ph2	Calling Line Identification Presentation	Y
2	Ph2	Calling Line Identification Restriction	Y
3	Ph2	Connected Line Identification Presentation	Y
4	Ph2	Connected Line Identification Restriction	N
5	Ph2	Call Forwarding Unconditional	Y
6	Ph2	Call Forwarding on Mobile Subscriber Busy	Y
7	Ph2	Call Forwarding on No Reply	Y
8	Ph2	Call Forwarding on Mobile Subscriber Not Reachable	Y
9	Ph2	Call Waiting	Y
10	Ph2	Call Hold	Y
11	Ph2	Multi Party Service	Y
12	Ph2	Closed User Group	Y
13	Ph2	Advice of Charge (Information)	Y
14	Ph2	Advice of Charge (Charging)	Y
15	Ph2	Barring of All Outgoing Calls	Y
16	Ph2	Barring of Outgoing International Calls	Y
17	Ph2	Barring of Outgoing International Calls except those directed to the Home PLMN Country	Y
18	Ph2	Barring of All Incoming Calls	Y
19	Ph2	Barring of Incoming Calls when Roaming Outside the Home PLMN Country	Y
20	Ph2	Unstructured SS Data	Y
21	R96	enhanced Multi-Level Precedence and Pre-emption service (eMLPP)	N
22	R96	Call Deflection	N
23	R96	User-to-User signalling	Y
24	R96	Explicit Call Transfer	Y
25	R96	Implicit UUS1	N
26	R98	Sending of implicit UUS1 in the ALERTING message	N
27	R98	Sending of implicit UUS1 in the CONNECT message	N
28	R99	Follow Me	N
29	Rel-4	User-to-Dispatcher Information	N
30	Rel-4	Compressed User-to-Dispatcher	N
31	R97	Completion of Calls to Busy SS	N
32	R97	Completion of Calls to Busy Requests	N
33	R97	Support of Private Numbering Plan SS	N
34	R97	Support of Private Numbering Plan , Numbering Plans	N
35	R97	Name Identification SS	Y
36	Rel-7	Support of Periodic Location	N

Table A.6: Groups for possible bearer capabilities

Item	Release	Bearer Capability Group	Supported
1	Ph2 (R96)	Bearer Service 21(20) .. 26, unrestricted digital information transfer capability	Y
2	Ph2 (R96)	Bearer Service 21(20) .. 26, 3.1 kHz audio ex-PLMN information transfer capability	Y
3	Ph2 (R96)	Bearer Service 31(30) .. 34, unrestricted digital information transfer capability; Non-X.32 Cases (BS 31 .. BS 34)	N
4	Ph2 (R96)	Bearer Service 31(30) .. 34, unrestricted digital information transfer capability; X.32 Cases	N
5	Ph2 (R96)	Bearer Service 31(30) .. 34, 3.1 kHz audio ex-PLMN information transfer capability; Non-X.32 Cases	N
6	Ph2 (R96)	Bearer Service 31(30) .. 34, 3.1 kHz audio ex-PLMN information transfer capability; X.32 Cases	N
7	Ph2 (R96)	Bearer Service 41(40)..46, PAD Access Asynchronous	N
8	Ph2 (R96)	Bearer Service 51(50)..53, Data Packet Duplex Synchronous	N
9	Ph2	Bearer Service 61, Alternate Speech/Data,	N
10	Ph2	Bearer Service 61, Alternate Speech/Data, 3.1 kHz audio ex-PLMN information transfer capability; Asynchronous	N
11	Ph2	Bearer Service 61, Alternate Speech/Data, 3.1 kHz audio ex-PLMN information transfer capability; Synchronous	N
12	Ph2	Bearer Service 81, Speech followed by Data,	N
13	Ph2	Bearer Service 81, Speech followed by Data, 3.1 kHz audio ex-PLMN information transfer capability; Asynchronous	N
14	Ph2	Bearer Service 81, Speech followed by Data, 3.1 kHz audio ex-PLMN information transfer capability; Synchronous	N
15	Ph2	Teleservice 11..12, Speech	Y
16	Ph2	Teleservice 61, Alternate Speech and Facsimile group 3;	N

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Item	Release	Bearer Capability Group	Supported
17	Ph2	Teleservice 61, Alternate Speech and Facsimile group 3; Facsimile group 3	N
18	Ph2	Teleservice 62, Automatic Facsimile group 3	Y

Table A.7: Bearer Service 20..26, UDI/RDI

Prerequisite: A.6/1 -- TSPC_BS2x_UDI

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Ph2	Signalling Access Protocol (SAP)	I.440	Y
			X.28nond	Y
2	Ph2	Connection Element (CE)	NT	Y
			bothNT	Y
			T	Y
			bothT	Y
3	Ph2	User Info Layer 2 Protocol (UIL2P)	ISO6429	Y
			COPnoFICt	Y
			NAV	Y
4	Ph2	Number of Data Bits(NDB)	7 bits	Y
			8 bits	Y
5	Ph2	Parity Information (NPB)	odd	Y
			even	Y
			0	Y
			1	Y
			none	Y
6	Ph2	Number of Stop Bits (NSB)	1 bit	Y
			2 bits	Y
7	Ph2	Radio Channel Requirement (RCR)	dualHR	Y
			FR	Y
			dualFR	Y
8	Ph2	Intermediate Rate (IR)	8 kbps	Y
			16 kbps	Y
9	Ph2	User Rate (UR)	0.3	Y
			1.2	Y
			2.4	Y
			4.8	Y
			9.6	Y
			1.2/0.075	Y
10	R96	Fixed Network User Rate (FNUR)	9.6	Y
			14.4	Y
			19.2	Y
			28.8	Y
			38.4	Y
			48	Y
			56	Y
			NAV	Y
11	R96	Wanted Air Interface User Rate (WAIUR)	9.6	Y
			14.4	Y
			19.2	Y
			28.8	Y
			38.4	Y
			43.2	Y
			57.6	Y
			NAV	Y
12	R96	User Initiated Modification Indication (UIMI)	not req.	Y
			upto1	Y
			upto2	Y
			upto3	Y
			upto4	Y
			NAV	Y

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
13	R96	Maximum number of Traffic Channels (MaxNumTCH)	1	Y
			2	Y
			3	Y
			4	Y
			NAV	Y
10a	---	all allowed combinations according to GSM 07.01 B.1.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description)	N	

Table A.8: Bearer Service 20..26, 3.1 kHz
Prerequisite: A.6/2 -- TSPC_BS2x_31kHz

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Ph2	Signalling Access Protocol (SAP)	I.440	Y
			X.28nond	Y
2	Ph2	Connection Element (CE)	NT	Y
			bothNT	Y
			T	Y
			bothT	Y
3	Ph2	User Info Layer 2 Protocol (UIL2P)	ISO6429	Y
			COPnoFICt	Y
			NAV	Y
4	Ph2	Number of Data Bits (NDB)	7 bits	Y
			8 bits	Y
5	Ph2	Parity Information (NPB)	odd	Y
			even	Y
			0	Y
			1	Y
			none	Y
6	Ph2	Number of Stop Bits (NSB)	1 bit	Y
			2 bits	Y
7	Ph2	Radio Channel Requirement (RCR)	dualHR	Y
			FR	Y
			dualFR	Y
8	Ph2	Intermediate Rate (IR)	8 kbps	Y
			16 kbps	Y
9	Ph2	User Rate (UR)	0.3	Y
			1.2	Y
			2.4	Y
			4.8	Y
			9.6	Y
			1.2/0.075	Y
10	Ph2	Modem Type (MT)	V.21	Y
			V.22	Y
			V.22bis	Y
			V.26ter	Y
			V.32	Y
			V.23	Y
			auto	Y
11	R96	Fixed Network User Rate (FNUR)	9.6	N
			14.4	N
			19.2	N
			28.8	N
			NAV	N
12	R96	Wanted Air Interface User Rate (WAIUR)	9.6	N
			14.4	N
			19.2	N
			28.8	N
			38.4	N
			43.2	N

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
13	R96	Acceptable channel codings (ACC)	4.8	N
			9.6	N
			14.4	N
			NAV	N
14	R96	User Initiated Modification Indication (UIMI)	not req.	N
			upto1	N
			upto2	N
			upto3	N
			upto4	N
			NAV	N
15	R96	Maximum number of Traffic Channels (MaxNumTCH)	1	N
			2	N
			3	N
			4	N
			NAV	N
11a	---	all allowed combinations according to 3GPP TS 07.01 B.1.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description)	N	

Table A.9: Bearer Service 30..34, UDI, Non-X.32
Prerequisite: A.6/3 -- TSPC_BS3x_UDI_nonX32

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Ph2	Signalling Access Protocol (SAP)	I.440	N
			X.21	N
2	Ph2	Radio Channel Requirement (RCR)	dualHR	N
			FR	N
			dualFR	N
3	Ph2	Intermediate Rate (IR)	8 kbps	N
			16 kbps	N
4	Ph2	User Rate (UR)	1.2	N
			2.4	N
			4.8	N
			9.6	N
5	R96	Fixed Network User Rate (FNUR)	9.6	N
			14.4	N
			19.2	N
			28.8	N
			38.4	N
			48	N
			56	N
			NAV	N
6	R96	Acceptable channel codings (ACC)	4.8	N
			9.6	N
			14.4	N
			NAV	N
7	R96	Maximum number of Traffic Channels (MaxNumTCH)	1	N
			2	N
			3	N
			4	N
			NAV	N
5a	---	all allowed combinations according 3GPP TS 07.01 A2 1.3.1.1 (3GPP TS 27.001) implemented (if not, provide detailed description)	N	

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Table A.10: Bearer Service 30..34, UDI, X-32
Prerequisite: A.6/4 -- TSPC_BS3x_UDI_X32

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Ph2	Radio Channel Requirement (RCR)	dualHR	N
			FR	N
			dualFR	N
2	Ph2	Intermediate Rate (IR)	8 kbps	N
			16 kbps	N
3	Ph2	User Rate (UR)	2.4	N
			4.8	N
			9.6	N
4	Ph2 (R96)	User Info Layer 2 Protocol (UIL2P)	X.25	N
			(X.75)	N
5	Ph2 (R96)	Rate Adaptation (RA)	X.31Flag	N
			(V.120)	N
6	R96	Fixed Network User Rate (FNUR)	9.6	N
			14.4	N
			19.2	N
			28.8	N
			38.4	N
			48	N
			56	N
			NAV	N
7	R96	Wanted Air Interface User Rate (WAIUR)	9.6	N
			14.4	N
			19.2	N
			28.8	N
			38.4	N
			43.2	N
			57	N
			NAV	N
8	R96	User Initiated Modification Indication (UIMI)	not req.	N
			upto1	N
			upto2	N
			upto3	N
			upto4	N
			NAV	N
9	R96	Acceptable channel codings (ACC)	4.8	N
			9.6	N
			14.4	N
			NAV	N
10	R96	Maximum number of Traffic Channels (MaxNumTCH)	1	N
			2	N
			3	N
			4	N
			NAV	N
4a	---	all allowed combinations according to 3GPP TS 07.01 B.1.3.1.2 (3GPP TS 27.001) implemented (if not, provide detailed description)	N	

Table A.10a: Bearer Service 30..34, UDI, 48 kbps and 56 kbps bit transparent
Prerequisite: A.6/4 -- TSPC_BS3x_UDI_X32

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Ph2	Signalling Access Protocol (SAP)	I.440	N
			X.21	N
2	R96	Fixed Network User Rate (FNUR)	48	N
			56	N
3	---	all allowed combinations according to 3GPP TS 07.01 B.1.3.1.4 (3GPP TS 27.001) implemented (if not, provide detailed description)	N	

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Table A.10b: Bearer Service 30..34, UDI, 64 kbps bit transparent
Prerequisite: A.6/4 -- TSPC_BS3x_UDI_X32

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Ph2	Signalling Access Protocol (SAP)	I.440	N
			X.21	N
2	R96	Acceptable channel codings (ACC)	9.6	N
			14.4	N
3	R96	Maximum number of Traffic Channels (MaxNumTCH)	5	N
			6	N
4	---	all allowed combinations according to 3GPP TS 07.01 B.1.3.1.5 (3GPP TS 27.001) implemented (if not, provide detailed description)	N	

Table A.11: Bearer Service 30..34, 3.1 kHz, Non-X-32
Prerequisite: A.6/5 -- TSPC_BS3x_31kHz_nonX32

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Ph2	Radio Channel Requirement (RCR)	dualHR	N
			FR	N
			dualFR	N
2	Ph2	Intermediate Rate (IR)	8 kbps	N
			16 kbps	N
3	Ph2	User Rate (UR)	1.2	N
			2.4	N
			4.8	N
			9.6	N
4	Ph2	Modem Type (MT)	V.22	N
			V.22bis	N
			V.26ter	N
			V.32	N
5	R96	Other Modem Type (OMT)	no other	N
			MT	N
			V.34	N
			NAV	N
6	R96	Fixed Network User Rate (FNUR)	9.6	N
			14.4	N
			19.2	N
			28.8	N
			NAV	N
7	R96	Acceptable channel codings (ACC)	4.8	N
			9.6	N
			14.4	N
			NAV	N
8	R96	Maximum number of Traffic Channels (MaxNumTCH)	1	N
			2	N
			3	N
			4	N
			NAV	N
5a	---	all allowed combinations according to 3GPP TS 07.01 B.1.3.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description)	N	

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Table A.12: Bearer Service 30..34, 3.1kHz, X-32
Prerequisite: A.6/6 -- TSPC_BS3x_31kHz_X32

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Ph2	Connection Element (CE)	NT	N
			bothNT	N
			T	N
			bothT	N
2	Ph2	Radio Channel Requirement (RCR)	dualHR	N
			FR	N
			dualFR	N
3	Ph2	Intermediate Rate (IR)	8 kbps	N
			16 kbps	N
4	Ph2	User Rate (UR)	2.4	N
			4.8	N
			9.6	N
5	Ph2	Modem Type (MT)	V.22bis	N
			V.26ter	N
			V.32	N
6	R96	Other Modem Type (OMT)	no other	N
			MT	N
			V.34	N
			NAV	N
7	R96	Fixed Network User Rate (FNUR)	9.6	N
			14.4	N
			19.2	N
			28.8	N
			NAV	N
8	R96	Wanted Air Interface User Rate (WAIUR)	9.6	N
			14.4	N
			19.2	N
			28.8	N
			NAV	N
9	R96	Acceptable channel codings (ACC)	4.8	N
			9.6	N
			14.4	N
			NAV	N
10	R96	User Initiated Modification Indication (UIMI)	not req.	N
			upto1	N
			upto2	N
			upto3	N
			upto4	N
			NAV	N
11	R96	Maximum number of Traffic Channels (MaxNumTCH)	1	N
			2	N
			3	N
			4	N
			NAV	N
6a	---	all allowed combinations according to 3GPP TS 07.01 B.1.3.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description)	N	

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Table A.13: Bearer Service 40..46, PAD Access
Prerequisite: A.6/7 -- TSPC_BS4x_PAD

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Ph2	Connection Element (CE)	NT	N
			bothNT	N
			T	N
			bothT	N
2	Ph2	User Info Layer 2 Protocol (UIL2P)	ISO6429	N
			COPnoFICt	N
			NAV	N
3	Ph2	Number of Data Bits(NDB)	7 bits	N
			8 bits	N
4	Ph2	Parity Information (NPB)	odd	N
			even	N
			0	N
			1	N
			none	N
5	Ph2	Number of Stop Bits (NSB)	1 bit	N
			2 bits	N
6	Ph2	Radio Channel Requirement (RCR)	dualHR	N
			FR	N
			dualFR	N
7	Ph2	Intermediate Rate (IR)	8 kbps	N
			16 kbps	N
8	Ph2	User Rate (UR)	0.3	N
			1.2	N
			2.4	N
			4.8	N
			9.6	N
			1.2/0.075	N
9	R96	Fixed Network User Rate (FNUR)	9.6	N
			14.4	N
			19.2	N
			28.8	N
			38.4	N
			48	N
			56	N
			NAV	N
10	R96	Wanted Air Interface User Rate (WAIUR)	9.6	N
			14.4	N
			19.2	N
			28.8	N
			38.4	N
			43.2	N
			57.6	N
			NAV	N
11	R96	Acceptable channel codings (ACC)	4.8	N
			9.6	N
			14.4	N
			NAV	N
12	R96	User Initiated Modification Indication (UIMI)	not req.	N
			upto1	N
			upto2	N
			upto3	N
			upto4	N
			NAV	N

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
13	R96	Maximum number of Traffic Channels (MaxNumTCH)	1	N
			2	N
			3	N
			4	N
			NAV	N
9a	---	all allowed combinations according to 3GPP TS 07.01 B.1.4 (3GPP TS 27.001) implemented (if not, provide detailed description)	N	

Table A.14: Bearer Service 50..53, Data Packet Duplex Synchronous
Prerequisite: A.6/8 -- TSPC_BS5x_Packet

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Ph2	Radio Channel Requirement (RCR)	dualHR	N
			FR	N
			dualFR	N
2	Ph2	Intermediate Rate (IR)	8 kbps	N
			16 kbps	N
3	Ph2	User Rate (UR)	0.3	N
			1.2	N
			2.4	N
			4.8	N
			9.6	N
			1.2/0.075	N
4	R96	Fixed Network User Rate (FNUR)	9.6	N
			14.4	N
			19.2	N
			28.8	N
			38.4	N
			48	N
			56	N
			NAV	N
5	R96	Wanted Air Interface User Rate (WAIUR)	9.6	N
			14.4	N
			19.2	N
			28.8	N
			38.4	N
			43.2	N
			57.6	N
			NAV	N
6	R96	Acceptable channel codings (ACC)	4.8	N
			9.6	N
			14.4	N
			NAV	N
7	R96	User Initiated Modification Indication (UIMI)	not req.	N
			upto1	N
			upto2	N
			upto3	N
			upto4	N
			NAV	N
8	R96	Maximum number of Traffic Channels (MaxNumTCH)	1	N
			2	N
			3	N
			4	N
			NAV	N
4a	---	all allowed combinations according to 3GPP TS 07.01 B.1.5 (3GPP TS 27.001) implemented (if not, provide detailed description)	N	

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Table A.15: Bearer Service 61, Alternate Speech / Data, "Speech"
Prerequisite: A.6/9 -- TSPC_BS61_Speech

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Ph2	Radio Channel Requirement (RCR)	dualHR	N
			FR	N
			dualFR	N

Table A.16: Bearer Service 61, Alternate Speech / Data, 3.1kHz,
Prerequisite: A.6/10 -- TSPC_BS61_31kHz_Async

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Ph2	Connection Element (CE)	NT	N
			bothNT	N
			T	N
			bothT	N
2	Ph2	User Info Layer 2 Protocol (UIL2P)	ISO6429	N
			COPnoFICt	N
			NAV	N
3	Ph2	Number of Data Bits (NDB)	7 bits	N
			8 bits	N
4	Ph2	Parity Information (NPB)	odd	N
			even	N
			0	N
			1	N
			none	N
5	Ph2	Number of Stop Bits (NSB)	1 bit	N
			2 bits	N
6	Ph2	Radio Channel Requirement (RCR)	dualHR	N
			FR	N
			dualFR	N
7	Ph2	Intermediate Rate (IR)	8 kbps	N
			16 kbps	N
8	Ph2	User Rate (UR)	0.3	N
			1.2	N
			2.4	N
			4.8	N
			9.6	N
			1.2/0.075	N
9	R96	Modem Type (MT)	V.21	N
			V.22	N
			V.22bis	N
			V.26ter	N
			V.32	N
			V.23	N
			auto1	N
10	---	all allowed combinations according to 3GPP TS 07.01 B.1.6.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description)	N	

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Table A.17: Bearer Service 61, Alternate Speech / Data, 3.1kHz,
Prerequisite: A.6/11 -- TSPC_BS61_31kHz_Sync

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Ph2	Radio Channel Requirement (RCR)	dualHR	N
			FR	N
			dualFR	N
2	Ph2	Intermediate Rate (IR)	8 kbps	N
			16 kbps	N
3	Ph2	User Rate (UR)	1.2	N
			2.4	N
			4.8	N
			9.6	N
4	R96	Modem Type (MT)	V.22	N
			V.22bis	N
			V.26ter	N
			V.32	N
5	---	all allowed combinations according to 3GPP TS 07.01 B.1.6.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description)	N	

Table A.18: Bearer Service 81, Speech followed by Data, "Speech"
Prerequisite: A.6/12 -- TSPC_BS81_Speech

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Ph2	Radio Channel Requirement (RCR)	dualHR	N
			FR	N
			dualFR	N

Table A.19: Bearer Service 81, Speech followed by Data, 3.1kHz, Async
Prerequisite: A.6/13 -- TSPC_BS81_31kHz_Async

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Ph2	Connection Element (CE)	NT	N
			bothNT	N
			T	N
			bothT	N
2	Ph2	User Info Layer 2 Protocol (UIL2P)	ISO6429	N
			COPnoFICt	N
			NAV	N
3	Ph2	Number of Data Bits(NDB)	7 bits	N
			8 bits	N
4	Ph2	Parity Information (NPB)	odd	N
			even	N
			0	N
			1	N
			none	N
5	Ph2	Number of Stop Bits (NSB)	1 bit	N
			2 bits	N
6	Ph2	Radio Channel Requirement (RCR)	dualHR	N
			FR	N
			dualFR	N
7	Ph2	Intermediate Rate (IR)	8 kbps	N
			16 kbps	N

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
8	Ph2	User Rate (UR)	0.3	N
			1.2	N
			2.4	N
			4.8	N
			9.6	N
			1.2/0.075	N
9	R96	Modem Type (MT)	V.21	N
			V.22	N
			V.22bis	N
			V.26ter	N
			V.32	N
			V.23	N
			auto1	N
10	---	all allowed combinations according to 3GPP TS 07.01 B.1.7.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description)	N	

Table A.20: Bearer Service 81, Speech followed by Data, 3.1kHz, Sync
Prerequisite: A.6/14 -- TSPC_BS81_31kHz_Sync

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Ph2	Radio Channel Requirement (RCR)	dualHR	N
			FR	N
			dualFR	N
2	Ph2	Intermediate Rate (IR)	8 kbps	N
			16 kbps	N
3	Ph2	User Rate (UR)	1.2	N
			2.4	N
			4.8	N
			9.6	N
4	R96	Modem Type (MT)	V.22	N
			V.22bis	N
			V.26ter	N
			V.32	N
5	---	all allowed combinations according 3GPP TS 07.01 B.1.7.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description)	N	

Table A.21: Teleservice 11..12, Speech
Prerequisite: A.6/15 -- TSPC_TS1x_Speech

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Ph2	Radio Channel Requirement (RCR)	dualHR	Y
			FR	Y
			dualFR	Y

Table A.22: Alternate Speech and Facsimile group 3, Speech
Prerequisite: A.6/16 -- TSPC_TS61_Speech

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Ph2	Radio Channel Requirement (RCR)	dualHR	N
			FR	N
			dualFR	N

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Table A.23: Alternate Speech and Facsimile group 3, Facsimile
Prerequisite: A.6/17 -- TSPC_TS61_G3FAX

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Ph2	Connection Element (CE)	NT	N
			bothNT	N
			T	N
			bothT	N
2	Ph2	User Info Layer 2 Protocol (UIL2P)	X.25	N
			NAV	N
3	Ph2	Intermediate Rate (IR)	8 kbps	N
			16 kbps	N
4	Ph2	User Rate (UR)	2.4	N
			4.8	N
			9.6	N
5	---	all allowed combinations according 3GPP TS 07.01 B.1.10.2 (3GPP TS 27.001) implemented (if not, provide detailed description)	N	

Table A.24: Teleservice 62, Automatic G3 fax
Prerequisite: A.3/7 -- TSPC_Serv_TS62

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Ph2	Connection Element (CE)	NT	N
			bothNT	N
			T	Y
			bothT	Y
2	Ph2	User Info Layer 2 Protocol (UIL2P)	X.25	N
			NAV	Y
3	Ph2	Intermediate Rate (IR)	8 kbps	Y
			16 kbps	Y
4	Ph2	User Rate (UR)	2.4	Y
			4.8	Y
			9.6	Y
5	---	all allowed combinations according to 3GPP TS 07.01 B.1.11 (3GPP TS 27.001, annex B) implemented (if not, provide detailed description)	Y	

Table A.25: Additional Information

Item	Release	Additional Information	Supported
1	Ph2	at least one half rate service	Y
2	Ph2	Speech supported for Full rate version 1 (GSM FR).	Y
3	Ph2	Speech supported for Half rate version 1 (GSM HR).	Y
4	Ph2	at least one data service	Y
5	Ph2	at least one full rate data service	Y
6	Ph2	at least one half rate data service	N
7	Ph2	at least one non transparent data service	Y
8	Ph2	at least one transparent data service	Y
9	Ph2	only transparent data service	N
10	Ph2	at least one asynchronous data service	Y
11	Ph2	at least one asynchronous non transparent data service	Y
12	Ph2	2.4 k full rate data mode	Y
13	Ph2	2.4 k half rate data mode	N
14	Ph2	4.8 k full rate data mode	Y
15	Ph2	4.8 k half rate data mode	N
16	Ph2	9.6 k full rate data mode	Y
17	Ph2	non transparent service with full rate channel at a user rate of 4.8 kbit/s	Y
18	Ph2	at least one bearer capability	Y
19	Ph2	at least one MT circuit switched basic service	Y
20	Ph2	at least one MO circuit switched basic service	Y
21	Ph2	only SDCCH	N
22	Ph2	at least one service on traffic channel supported	Y

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Item	Release	Additional Information	Supported
23	Ph2	dual rate ratio channel types (no relation to supported speech codecs).	Y
24	Ph2	only full rate radio channel type (no relation to supported speech codecs).	N
25	Ph2	at least one teleservice	Y
26	Ph2	CC protocol for at least one BC	Y
27	Ph2	only circuit switched basic service supported by the mobile is emergency call	N
28	Ph2	Fax Error Correction Mode	N
29	Ph2	at least one supplementary service	Y
30	Ph2	non call related supplementary service	Y
31	Ph2	at least one short message service	Y
32	Ph2	(SMS) reply procedure	N
33	Ph2	replace SMS	N
34	Ph2	display of received SMS	Y
35	Ph2	SMS status report capabilities	Y
36	Ph2	Storing of short messages in the SIM	Y
37	Ph2	Storing of short messages in the ME	Y
38	Ph2	detach on power down	Y
39	Ph2	detach on SIM remove	Y
40	Ph2	SIM removable without power down	Y
41	Ph2	ID-1 SIM	N
42	Ph2	Plug-In SIM	Y
43	Ph2	Disable PIN feature	Y
44	Ph2	PIN2 feature	Y
45	Ph2	Feature requiring entry of PIN2	Y
46	Ph2	Chars 0-9, *, # supported	Y
47	Ph2	A, B, C, D chars. supported	Y
48	Ph2	automatically enter automatic selection of PLMN mode	Y
49	Ph2	alerting indication to the user	Y
50	R98	Appl. Layer is always running	N
51	Ph2	Immediate connect supported for all circuit switched basic services	N
52	Ph2	In-Call modification	Y
53	Ph2	follow-on request procedure	Y
54	Ph2	refusal of call	N
55	Ph2	RF amplification	N
56	Ph2	Number of B-party number for autocalling is greater than the number of entries in the blacklist	N
57	Ph2	Handset MS supporting speech	N
58	Ph2	MT2 Configuration	Y
59	Ph2	MT2 Configuration or any other possibility to send data over Um interface	Y
60	Rel-4	Permanent Antenna Connector	Y
61	Ph2	Pseudo-synchronized handover supported	Y
62	R96	5V only SIM/ME interface	N
63	R96	3V only SIM/ME interface	Y
64	R96	3V/5V SIM/ME interface	N
65	Ph2	Speech supported for Full rate version 2 (GSM EFR)	Y
66a	Ph2	RLP supports non default parameters	Y
66b	R96	Support of listening to voice broadcast calls (VBS listening)	N
67	R96	Support of originating voice broadcast call (VBS originating)	N
68	R96	Support of listening to voice group calls (VGCS listening)	N
69	R96	Support of talking in voice group calls (VGCS talking)	N
70	R96	Support of originating voice group call (VGCS originating)	N
71	R96	Support reduced NCH monitoring	N
72	R96	14.4 k data mode	Y
73	Ph2	Implementation of cause number 27 of busy autocalling in category 2	N
74	Ph2	Implementation of cause number 27 of busy autocalling in category 3	N
75	---	Void	N
76	Ph2	Artificial ear type 1	Y
77	Ph2	Artificial ear type 3.2, Low leak option	N
78	R96	Artificial ear type 3.4	Y
79	R98	Speech supported for Full rate version 3 (FR AMR).	Y
80	R96	NCH monitoring in group receive mode	N
81	R96	NCH monitoring in group transmit mode	N
82	R96	NCH monitoring in dedicated mode	N
83	R97	Support of one PDP context activation	Y
84	R97	Support of more than one PDP context activation	N
85	R97	Support of more than one PDP context activation simultaneously on the same SAPI	N

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Item	Release	Additional Information	Supported
86	R97	Support of GPRS data compression	N
87	R98	Support of GPRS header compression	Y
88	R97	Support of Network requested PDP context activation	Y
89	R97	Support for user settings of minimum QoS	Y
90	R97	Automatic GPRS attach procedure at switch-on/power-on	Y
91	R97	MMI controlled attach/detach procedures for non-GPRS services	Y
92	R97	Automatic attach procedure when MS identity cannot derived by the network	Y
93	R98	Automatic MM IMSI attach procedure at switch-on / power-on	Y
94	R96	Support of SIM Application Toolkit	Y
95	R98	1,8V only SIM/ME interface	Y
96	R98	1,8V/3V SIM/ME interface	Y
97	Ph2	Multiple SM MO/PP on same RR link	Y
98	Ph2	Support of stored list cell selection	Y
99	Ph2	at least one service not support immediate connection	Y
100	---	Void	N
101	---	Void	N
102	Ph2	EFR_EmgCallSetup message contains the bearer capability	Y
103	Ph2	Support of MonitorPCH_GroupTransmitMode	N
104	Rel-4	Integral_Antenna Connector	N
105	R97	User requested combined GPRS and non-GPRS detached without powering off	Y
106	R97	User requested non-GPRS detached	Y
107	Ph2	Artificial ear type 3.2, High leak option	N
108	R96	Artificial ear type 3.3	N
109	Ph2	Support of Multiple SMS	Y
110	R97	Cell Reselection after T3184 Expiry	N
111	R97	GPRS attach attempted automatically due to outstanding request	Y
112	R98	Speech supported for Half rate version 3 (HR AMR)	Y
113	Rel-5	AMR LoopBack Modes	N
114	R99	TTY services	Y
115	R99	Support of Secondary PDP Context Activation	N
116	Ph2	Support of MO SMS Concatenation	Y
117	Ph2	Support of MT SMS Concatenation	Y
118	R97	NITZ Supported	Y
119	R97	Use of NITZ DST (Daylight Saving Time)	N
120	---	Void	Y
121	R97	Re-attach automatically when the network commands a detach with no cause value	N
122	R98	Support of GPRS header compression algoritm type RFC 1144	Y
123	R99	Support of GPRS header compression algoritm type RFC 2507	N
124	Rel-6	Support of ROHC algoritm type RFC 3241	N
125	Rel-6	Support of ROHC algoritm type RFC 3242	N
126	Rel-6	Support of ROHC algorithm type RFC 3408	N
127	Rel-6	Support of ROHC algorithm type RFC 3095	N
128	R97	The way to trigger transferring of new user data in a different PDP context while an uplink transfer is in progress	N
129	R99	Support of DARP phase 1	N
130	R99	Support of Card Application	N
131	Rel-5	Support of GSM speech half rate version 6 (O-TCH/AHS)	N
132	R99	MS with improved receiver performance	N
133	Rel-5	Support of GSM speech full rate version 4 (O-TCH/WFS)	N
134	R97	Verification for correct repetition of new password	N
135	R99	MS using reduced interslot dynamic range in multislot configurations	N
136	Rel-5	Support of GSM speech Half rate version 4 (O-TCH/WHS)	N
137	Rel-5	Support of GSM Speech Full Rate version 5 (TCH/WFS)	N
138	Ph2	Support of overwriting the existing Class 2 SMS	N
139	Rel-6	Support of Repeated ACCH	N
140	R98	Support for a method for resetting stored A-GPS assistance data	N
141	Rel-7	Support of DARP phase 2	N
142	Rel-4	Support of Rel-4 acoustic implementation	
143	R99	MS with no components having RF performance sensitive to vibration condition during testing	
144	R97	Use of NITZ Full Name	
145	R97	Use of NITZ Short Name	
146	R97	Use of NITZ Universal Time	
147	R97	Use of NITZ Local Time Zone	

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Table A.25.1: Additional Information (requiring values)

Item	Release	Additional Information (requiring values)	Values	
			Allowed	Supported
1	R98	AMR C/I normalization factor (units: dB)	0...	0
2	R98	Loop C delay Full rate (round trip delay, in number of TDMA frames)	1...	4
3	R99	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)	0...	
4	R99	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)	0...	
5	Rel-5	O-TCH/F C/I normalisation factor (units: dB)	0...	
6	R98	Loop C delay Half rate (round trip delay, in number of TDMA frames)	1...	
7	R99	Averaging time Tav (This time is the time between the first and the last measurement sample taken on one carrier during one averaging period when measurering received signal strength)	0...	

Table A.27: Support of UTRAN Radio Access Technology

Prerequisite: A.1/56 -- TSPC_Type_UTRAN

Item	Release	Support of UTRAN Radio Access Technology	Supported
1	R99	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + UL:3.4 DL 3.4 kbps SRBs for DCCH	N
2	R99	Streaming / unknown / UL:14.4 DL:14.4 kbps / CS RAB + UL:3.4 DL 3.4 kbps SRBs for DCCH	N
3	R99	Streaming / unknown / UL:28.8 DL:28.8 kbps / CS RAB + UL:3.4 DL 3.4 kbps SRBs for DCCH	N
4	R99	Streaming / unknown / UL:57.6 DL:57.6 kbps / CS RAB + UL:3.4 DL 3.4 kbps SRBs for DCCH	N

ANNEX D

of

Partial GSM TEST REPORT

No. F1062_07GT01

for

Wavecom

GSM 850/900/1800/1900 Terminal Equipment

Type Fastrack Supreme 20

with

Final Hardware Version: 401; Wavecom Q2687: 420

Final Software Version: Open AT® Firmware 6.63; Wavecom Q2687: Open AT® Firmware 6.63

Photographs

This Annex consists of 4 pages

Date of Report: 2007-09-05

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

CERTIFICATE # 2135.01

CTIA Authorized Test Lab
LAB CODE 20020328-00

Official Observer of GCF

***CETECOM* Inc.**
411 Dixon Landing Road ♦ Milpitas, CA 95035 ♦ U.S.A.
Phone: (+1) 408.586.6200 ♦ Fax: (+1) 408.586.6299 ♦ E-mail: info@cetecomusa.com ♦ http://www.cetecom.com
CETECOM Inc. is a Delaware Corporation with Corporation number: 2113686
Board of Directors: Dr. Harald Ansorge, Dr. Klaus Matkey, Hans Peter May

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

1. Photographs of the Equipment under Test

1.1 Top View of the EUT

1.2 Bottom View of the EUT

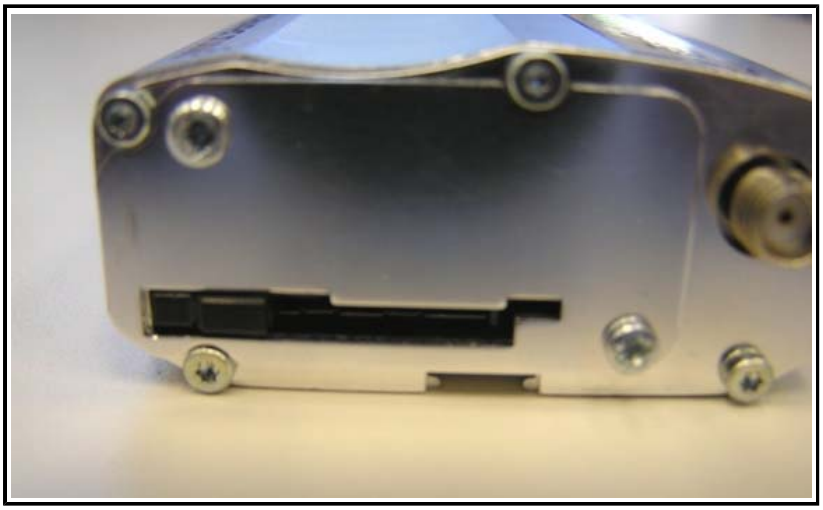
Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

1.3 Side View #1 of the EUT

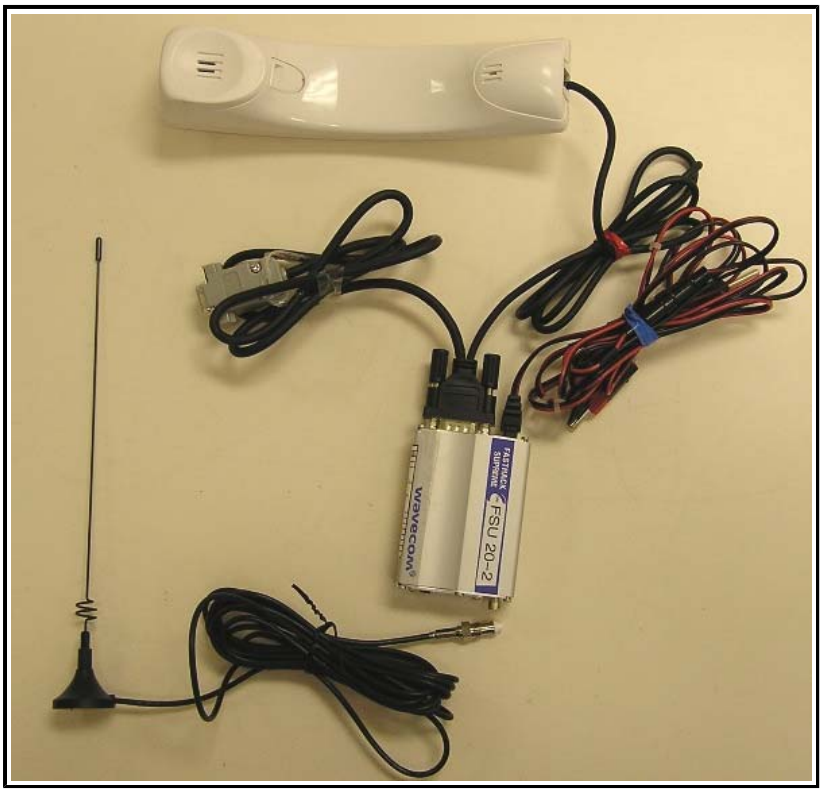
1.4 Side View #2 of the EUT

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

1.5 SIM Interface of the EUT



1.6 Ancillary Equipment with the EUT



ANNEX E

of

Partial GSM TEST REPORT

No. F1062_07GT01

for

Wavecom

GSM 850/900/1800/1900 Terminal Equipment

Type Fastrack Supreme 20

with

Final Hardware Version: 401; Wavecom Q2687: 420

Final Software Version: Open AT® Firmware 6.63; Wavecom Q2687: Open AT® Firmware 6.63

Detailed Test Results

This Annex consists of 6 pages

Date of Report: 2007-09-05

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

CERTIFICATE # 2135.01

CTIA Authorized Test Lab
LAB CODE 20020328-00

Official Observer of GCF

***CETECOM* Inc.**
411 Dixon Landing Road ♦ Milpitas, CA 95035 ♦ U.S.A.
Phone: (+1) 408.586.6200 ♦ Fax: (+1) 408.586.6299 ♦ E-mail: info@cetecomusa.com ♦ http://www.cetecom.com
CETECOM Inc. is a Delaware Corporation with Corporation number: 2113686
Board of Directors: Dr. Harald Ansorge, Dr. Klaus Matkey, Hans Peter May

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

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.

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

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.

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

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
A	IMEI SV=06

3. General Note

3.1 General Note GN1

Conformance testing was performed by using a terminal program (HyperTerminal) and AT commands as provided by the manufacturer.

CETECOM™
Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Test Results of Wavecom Fastrack Supreme 20

TS 51.010-1 or TS 51.010-4 Requirement		GCF-CC (V.3.26.0) GSM 900			GCF-CC (V.3.26.0) GSM 1800			NAPRD.03 (V.3.11.0) GSM 850			NAPRD.03 (V.3.11.0) GSM 1900		
Test Case	**Test Description**	**Cat**	**Verdict**	**Notes**	**Cat**	**Verdict**	**Notes**	**Cat**	**Verdict**	**Notes**	**Cat**	**Verdict**	**Notes**
12.2.1	Radiated spurious emissions - MS allocated a channel	---	-----	---	---	-----	---	---	-----	---	---	-----	---
	Normal Temperature \ Normal Voltage	A	PASS	1	A	PASS	1	A	PASS	1	A	PASS	1
	Normal Temperature \ Low Voltage	A	NO	---	A	NO	---	A	NO	---	A	NO	---
	Normal Temperature \ High Voltage	A	NO	---	A	NO	---	A	NO	---	A	NO	---
12.2.2	Radiated spurious emissions - MS in idle mode	---	-----	---	---	-----	---	---	-----	---	---	-----	---
	Normal Temperature \ Normal Voltage	A	PASS	1	A	PASS	1	A	PASS	1	A	PASS	1
	Normal Temperature \ Low Voltage	A	NO	---	A	NO	---	A	NO	---	A	NO	---
	Normal Temperature \ High Voltage	A	NO	---	A	NO	---	A	NO	---	A	NO	---
26.6.8.5	Ciphering mode / IMEISV request	A	GSM 1900	---	A	GSM 1900	---	A	GSM 1900	---	A	PASS	2,A
26.9.6.1.1	Structured procedures / emergency call / idle updated / preferred channel rate	A	PASS	2	A	PASS	2	A	PASS	2,[7]	A	PASS	2,[7]
26.9.6.1.2	Structured procedures / emergency call / idle updated / non-preferred channel rate	B	PASS	2,[6]	B	PASS	2,[6]	---	-------	---	---	-------	---
26.9.6.2.1	Structured procedures / emergency call / idle, no IMSI / accept case	A	PASS	2	A	PASS	2	A	PASS	2	A	PASS	2
26.9.6.2.2	Structured procedures / emergency call / idle, no IMSI / reject case	A	PASS	2	A	PASS	2	A	PASS	2,[8]	A	PASS	2,[8]
27.17.1.1	Electrical tests- Phase preceding ME power on	A	GSM 1900	---	A	GSM 1900	---	A	GSM 1900	---	A	PASS	2
27.17.1.2	Electrical tests - Phase during SIM power on	A	GSM 1900	---	A	GSM 1900	---	A	GSM 1900	---	A	PASS	2
27.17.1.3	Electrical tests- Phase during ME power off with clock stop forbidden	A	N/A	---	A	N/A	---	A	N/A	---	A	N/A	---
27.17.1.4	Electrical tests- Phase during ME power off with clock stop allowed	A	GSM 1900	---	A	GSM 1900	---	A	GSM 1900	---	A	PASS	2
27.17.1.5.1	Reaction of 3V only MEs on SIM type recognition failure	A	N/A	---	A	N/A	---	A	N/A	---	A	N/A	---
27.17.1.5.2	Reaction of 3V only MEs on type recognition of 5V only SIMs	A	N/A	---	A	N/A	---	A	N/A	---	A	N/A	---
27.17.1.5.3	Reaction of 3V technology MEs on type recognition of 5V only SIMs	A	N/A	---	A	N/A	---	A	N/A	---	A	N/A	---
27.17.1.5.4	Reaction of 3V technology MEs on type recognition of 3V technology SIMs	A	N/A	---	A	N/A	---	A	N/A	---	A	N/A	---
27.17.1.5.7	Reaction of 1,8V technology MEs on type recognition of 3V technology SIMs	A	GSM 1900	---	A	GSM 1900	---	A	GSM 1900	---	A	PASS	2

Mobile Communications
411 Dixon Landing Road
Milpitas, CA 95035 · U.S.A.

Test Results of Wavecom Fastrack Supreme 20

TS 51.010-1 or TS 51.010-4 Requirement		GCF-CC (V.3.26.0) GSM 900			GCF-CC (V.3.26.0) GSM 1800			NAPRD.03 (V.3.11.0) GSM 850			NAPRD.03 (V.3.11.0) GSM 1900		
Test Case	**Test Description**	**Cat**	**Verdict**	**Notes**	**Cat**	**Verdict**	**Notes**	**Cat**	**Verdict**	**Notes**	**Cat**	**Verdict**	**Notes**
27.17.1.5.8	Reaction of 1,8V technology MEs on type recognition of 1,8V technology SIMs	A	GSM 1900	---	A	GSM 1900	---	A	GSM 1900	---	A	PASS	2
27.17.2.1.1	Electrical tests on contact C1 / test 1	A	GSM 1900	---	A	GSM 1900	---	A	GSM 1900	---	A	PASS	2
27.17.2.1.2	Electrical tests on contact C1 / test 2	A	GSM 1900	---	A	GSM 1900	---	A	GSM 1900	---	A	PASS	2
27.17.2.2	Electrical tests on contact C2	A	GSM 1900	---	A	GSM 1900	---	A	GSM 1900	---	A	PASS	2
27.17.2.3	Electrical tests on contact C3	A	GSM 1900	---	A	GSM 1900	---	A	GSM 1900	---	A	PASS	2
27.17.2.5	Electrical tests on contact C7	A	GSM 1900	---	A	GSM 1900	---	A	GSM 1900	---	A	PASS	2

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