

Partial

GSM TEST REPORT

No. 504/07T08

according to GCF-CC (V.3.25.0) and NAPRD.03 (V.3.10.1)

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
B57v**

This Test Report consists of 10 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	3 pages
Annex E – Detailed Test Results	5 pages

Date of Report: 2007-05-11

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



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

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Table 1b: Summary of Test Results according to NAPRD.03 (V.3.10.1)

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

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.

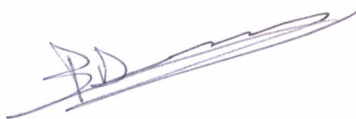
1.3. Documentation received from the Client/Manufacturer

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. Pierre Jean Dumay
Project Leader
(Author of the Test Report)



Dipl.-Ing. Frédéric Bouillon
Deputy Project Leader
(Verification of the Test Report)



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

2. Administrative Data

2.1. Identification of the Responsible Testing Laboratory

Company Name:	CETECOM SARL
Department:	Mobile Communications
Address:	320 Rue Hélène Boucher 78530 Buc Cdx 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 78530 Buc Cdx France

2.3. Organisational Items

CETECOM Reference No.:	504_07
CETECOM Order No.:	5027_07
CETECOM Project Leader:	Dipl.-Ing. Pierre Jean Dumay
CETECOM Deputy Project Leader:	Dipl.-Ing. Frédéric Bouillon
Start of Testing:	2007-05-11
End of Testing:	2007-05-11

2.4. Identification of the Client

Company Name:	Wavecom S.A.
Address:	3, esplanade du Foncet 92442 Issy les Moulineaux Cedex France
Contact Person:	Mr. Raphaël Law-Boum
Telephone:	+33 (0) 1 46 29 08 00
Fax:	+33 (0) 1 46 29 08 08

2.5. Identification of the Manufacturer

Company Name:	Wavecom S.A.
Address:	3, esplanade du Foncet 92442 Issy les Moulineaux Cedex France
Contact Person:	Mr. Raphaël Law-Boum
Telephone:	+33 (0) 1 46 29 08 00
Fax:	+33 (0) 1 46 29 08 08

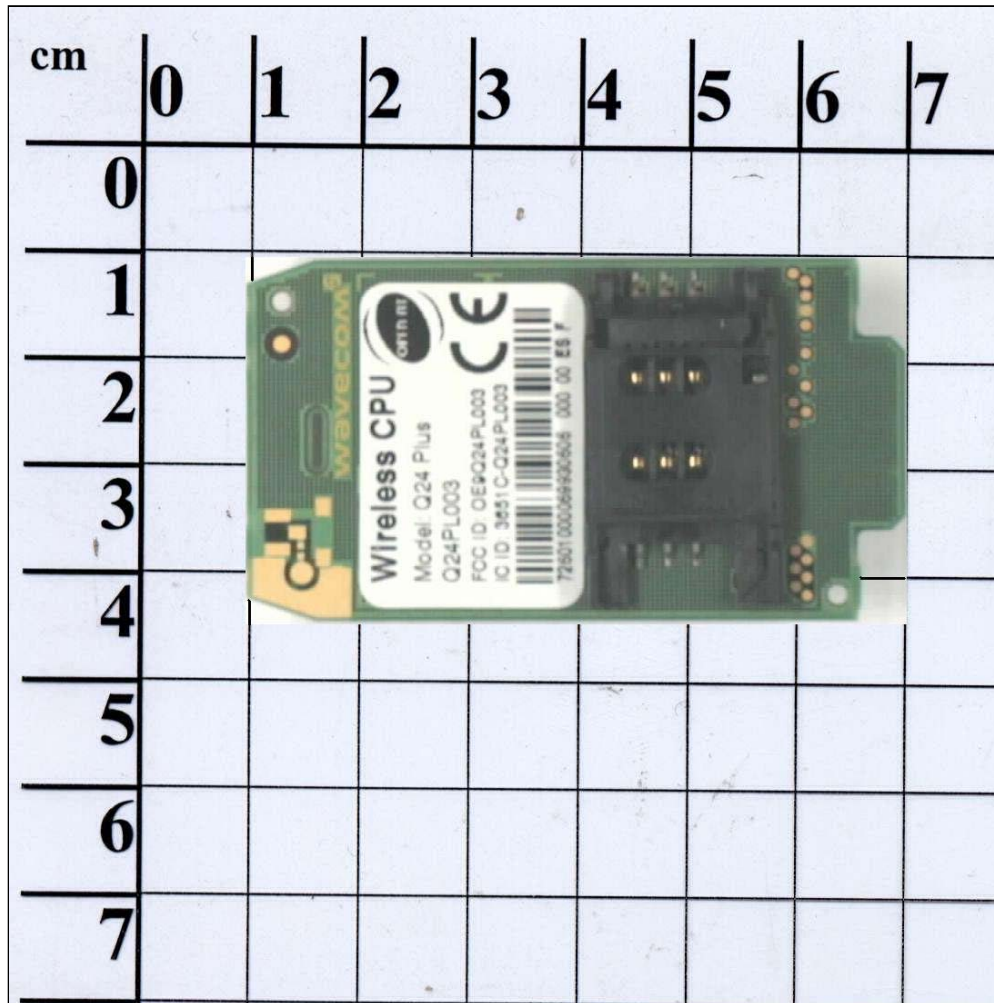
Note: This data is based on the client's information.

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



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 B57v

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

3.4. Identification of the Ancillary Equipment

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

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)