



GSM ASSESSMENT REPORT

No. 1-504/06A03

for the
Hardware and Software Update
of
WAVECOM SA

GSM 850/900/1800/1900 Wireless CPU

Type new Q24 series

with

Hardware Version: See §4.1
Software Version: Open AT® Firmware 6.57

**This GSM Assessment Report consists of 7 pages
and is related to *CETECOM* GSM TEST REPORTS**

No. 1-504/06T04, 1-504/06T06, 1-504/06T07, 1-504/06T08

Date of Report: 2006-11-30
Date of issue: 2006-11-30
Report Copy No.: 1

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



CETECOM SARL

320 Rue Hélène Boucher ♦ 78532 Buc Cedex ♦ France

Phone: +33 1 39 24 29 59 ♦ Fax: +33 1 39 24 29 83 ♦ E-mail: info@cetecom.fr ♦ <http://www.cetecom.com>

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 Ansoerge, Hans Peter May



Contents

| | |
|--|----------|
| 1. GENERAL INFORMATION | 3 |
| 2. SUMMARY OF THE ASSESSMENT | 3 |
| 3. ADMINISTRATIVE DATA..... | 4 |
| 3.1. Identification of the Testing Laboratory Issuing the GSM Assessment Report..... | 4 |
| 3.2. Organisational Items | 4 |
| 3.3. Identification of the Client..... | 4 |
| 3.4. Identification of the Manufacturer..... | 4 |
| 4. EQUIPMENT UNDER INVESTIGATION (EUI)..... | 5 |
| 4.1. Identification of the Equipment under Investigation | 5 |
| 4.2. Front View of the Equipment under Investigation | 5 |
| 5. APPLIED REFERENCE DOCUMENT(S)..... | 6 |
| 6. ASSESSMENT FOR THE EQUIPMENT UNDER INVESTIGATION (EUI) | 6 |
| 6.1. Assessment for Hardware and Software Update(s)..... | 6 |

1. General Information

The purpose of a *CETECOM* GSM Assessment Report, which is issued by *CETECOM*'s accredited GSM test laboratory, is to provide a summary statement of conformity for the Equipment under Investigation (EUI) towards all applicable technical requirements as given within the relevant GSM standards.

Another purpose of a *CETECOM* GSM Assessment Report is to take into consideration the applicability of (re)testing in all cases where the EUI or variants thereof have already been tested before, in cases of product updates or upgrades or when accessories with relevance to conformity requirements shall be introduced.

CETECOM GSM Assessment Reports may only be issued for those EUI, modifications thereof, derivatives thereof or accessories, where sufficient technical documentation has been made available to *CETECOM* to allow an overall judgement by taking into consideration all relevant information.

2. Summary of the Assessment

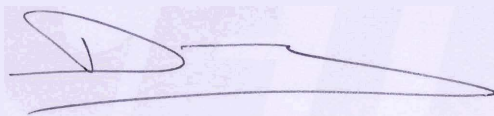
CETECOM has received and verified the client's and/or manufacturer's documentation for the Equipment under Investigation (EUI) and came to the conclusion that - according to this documentation - the EUI

WAVECOM SA GSM 850/900/1800/1900 Wireless CPU type new Q24 series

with the following configuration:

Hardware Version: See §4.1
Software Version: Open AT® Firmware 6.57

is conformant to all applicable technical requirements as given within the relevant GSM standards and demanded in the applied reference documents.



P. J. DUMAY

Dipl.-Ing. Pierre Jean DUMAY

Project Leader

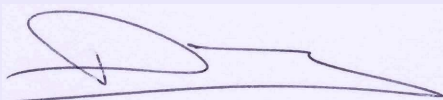
(Author of the GSM Assessment Report)



Dipl.-Ing. Frédéric BOUILLON

Deputy Project Leader

(Verification of the GSM Assessment Report)



Dipl.-Ing. Franck DEHOUR

Test Lab Manager

(Responsible for the GSM Assessment Report)

3. Administrative Data

3.1. Identification of the Testing Laboratory Issuing the GSM Assessment Report

| | |
|----------------------------------|--|
| Company Name: | CETECOM SARL |
| Department: | Mobile Communications |
| Address: | 320, rue Hélène Boucher F-78532 BUC Cedex France |
| Telephone: | +33 (0) 1.39.24.29.59 |
| Fax: | +49 (0) 1.39.24.29.83 |
| Responsible Test Lab Manager(s): | Dipl.-Ing. Franck DEHOUR |

3.2. Organisational Items

| | |
|------------------------|---------|
| CETECOM Reference No.: | 504_06 |
| CETECOM Order No.: | 5045_06 |

3.3. Identification of the Client

| | |
|--------------------|---|
| Company Name: | WAVECOM SA |
| Address: | 3, Esplanade du Foncet 92442 Issy les Moulineaux Cedex France |
| Contact Person(s): | Carine DIREXEL |
| Telephone: | +33 1 46 29 42 26 |
| Fax: | +33 1 46 29 08 08 |

3.4. Identification of the Manufacturer

| | |
|--------------------|---|
| Company Name: | WAVECOM SA |
| Address: | 3, Esplanade du Foncet 92442 Issy les Moulineaux Cedex France |
| Contact Person(s): | Carine DIREXEL |
| Telephone: | +33 1 46 29 42 26 |
| Fax: | +33 1 46 29 08 08 |

4. Equipment under Investigation (EUI)

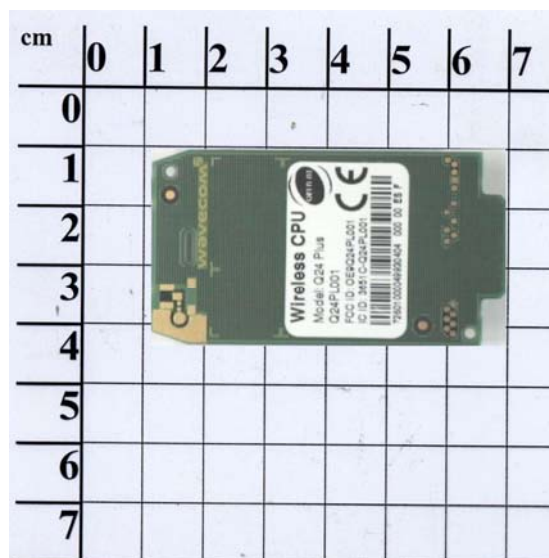
4.1. Identification of the Equipment under Investigation

| | |
|------------------------------|-----------------------------|
| Brand Name: | WAVECOM SA |
| Type Name: | new Q24 series |
| Marketing Name: | Wireless CPU new Q24 series |
| GSM Frequency Bands: | GSM 850/900/1800/1900 |
| Special Features / Comments: | |

| Q24 series wireless CPU | Hardware Version |
|--------------------------------------|------------------|
| Q24 Classic | 300 |
| Q24 Classic HR codec | 301 |
| Q24 Classic with SIM holder | 302 |
| Q24 Classic HR codec with SIM holder | 303 |
| Q24 Plus | 304 |
| Q24 Plus HR codec | 305 |
| Q24 Plus with SIM holder | 306 |
| Q24 Plus HR codec with SIM holder | 307 |
| Q24 Extended | 308 |
| Q24 Extended HR codec | 309 |
| Q24 Auto with MMS | 310 |
| Q24 Auto with UFL | 311 |
| Q24 Auto HR codec with UFL | 314 |

See document "Q24NG description" for detailed information

4.2. Front View of the Equipment under Investigation



5. Applied Reference Document(s)

The following reference document(s) built the basis for the *CETECOM* assessment of the Equipment under Investigation:

| No. | Document Identity | Document Title/Version | Version/Date |
|-----|-------------------|---|----------------------|
| [1] | GCF-CC | Global Certification Forum - Certification Criteria | V3.23.1 (2006-07) |
| | | | |

6. Assessment for the Equipment under Investigation (EUI)

6.1. Assessment for Hardware and Software Update(s)

The software of the WAVECOM SA GSM 850/900/1800/1900 Wireless CPU type new Q24 series was updated

from version OS 6.55 (initial version)
to version Open AT® Firmware 6.57 (final version).

The software update documentation received from the client and/or manufacturer (see documentation: Q24NG_certification background_v1) states that the implemented software update modifications have no impact on the EUI's conformity towards all the applicable technical GSM requirements. *CETECOM* checked the documentation and came to the conclusion that conformity of the EUI with the above mentioned final software version can be presumed without additional retesting.

To ensure the EUI's overall conformity towards GCF-CC V3.23.1 based on the previous conformity to GCF-CC V3.19.0 (see documentation: Q24NG_certification background_v1), *CETECOM* recommended performing a selection of tests to ensure the conformity to all applicable technical GSM requirements.

All recommended tests have been performed at *CETECOM*'s (own and/or subcontracted) accredited GSM test laboratories.

Detailed results are given in the related *CETECOM* GSM Test Report No. 1-504/06T04.

CETECOM came to the conclusion that conformity of the EUI with the above mentioned final software version can be presumed because the testing did not reveal any errors.

The hardware of the WAVECOM SA GSM 850/900/1800/1900 Wireless CPU type new Q24 series was updated

from version: 416/452/480/439 (initial version)
to version: see table §4.1 of this report (final version).

Based on the hardware update documentation received from the client and/or manufacturer (see documentation: Q24NG_certification_background_v1), *CETECOM* recommended to perform a selection of retests to ensure the EUI's overall conformity with all applicable technical GSM requirements.

All recommended tests have been performed at *CETECOM*'s (own and/or subcontracted) accredited GSM test laboratories.

Detailed results are given in the related *CETECOM* GSM Test Reports No. 1-504/06T04, 1-504/06T06, 1-504/06T07, 1-504/06T08

CETECOM came to the conclusion that conformity of the EUI with the above mentioned final hardware version can be presumed because the retesting did not reveal any errors.