

GSM ASSESSMENT REPORT

No. 1-504/07A17

for the

Software Update

of

WAVECOM SA

GSM 850/900/1800/1900 Wireless CPU

Type Q2686

with

Hardware Version: 403
Software Version: Open AT[®] Firmware 6.63b

This GSM Assessment Report consists of 6 pages
and is related to *CETECOM* GSM TEST REPORT No. 504/07T16

Date of Report: 2007-11-13
Date of issue: 2007-11-14
Report Copy No.: 1

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



CETECOM SARL

320 Rue Hélène Boucher ♦ 78530 Buc Cdx ♦ 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 Ansonge, 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 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 Q2686

with the following configuration:

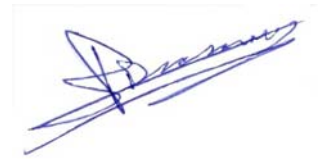
Hardware Version: 403

Software Version: Open AT[®] Firmware 6.63b

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



Dipl.-Ing. Adyl MSSALAK
Project Leader
(Author of the GSM Assessment Report)



Dipl.-Ing. Pierre Jean DUMAY
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: | +33 (0) 1.39.24.29.83 |
| Responsible Test Lab Manager(s): | Dipl.-Ing. Franck DEHOUR |

3.2. Organisational Items

| | |
|------------------------|---------|
| CETECOM Reference No.: | 504_07 |
| CETECOM Order No.: | 5046_07 |

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

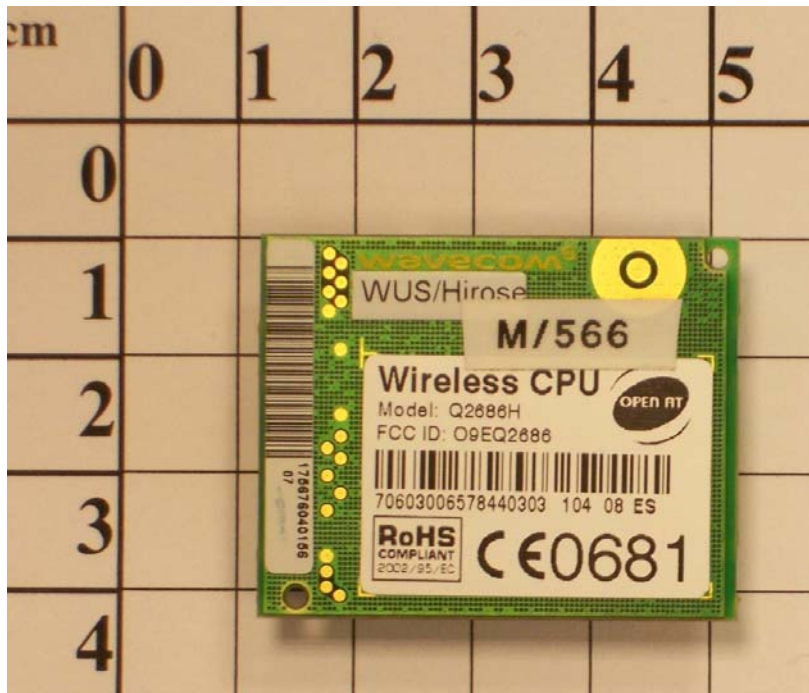
| | |
|--------------------|---|
| Company Name: | WAVECOM SA |
| Address: | 3, Esplanade du Foncet 92442 Issy les Moulineaux Cedex France |
| Contact Person(s): | Carine DIREXEL |
| Telephone: | +33 1 46 29 42 26 |
| Fax: | +33 1 46 29 08 08 |

4. Equipment under Investigation (EUI)

4.1. Identification of the Equipment under Investigation

| | |
|------------------------------|-----------------------|
| Brand Name: | WAVECOM SA |
| Type Name: | Q2686 |
| Marketing Name: | Q2686 wireless CPU |
| GSM Frequency Bands: | GSM 850/900/1800/1900 |
| Special Features / Comments: | GPRS (MSC 10)/AMR |

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 | V3.26.0 (2007-04) |
| | | | |

6. Assessment for the Equipment under Investigation (EUI)

6.1. Assessment for Software Update(s)

The software of the WAVECOM SA GSM 850/900/1800/1900 Wireless CPU type Q2686 was updated

| | | | |
|------|---------|-------------------------------------|-------------------|
| from | version | Open AT [®] Firmware 6.63 | (initial version) |
| to | version | Open AT [®] Firmware 6.63b | (final version) |

The software update documentation received from the client and/or manufacturer (see documentation: Q2686_certification background_Open AT[®] Firmware 663b_v2) states that the implemented software update modifications have a limited impact on the EUI's conformity towards 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 with partial additional retesting.

The EUI's overall conformity towards GCF-CC V3.26.0 is based on the previous assessment see *CETECOM* assessment report 1-504_07A14 (see documentation: Q2686_certification background_Open AT[®] Firmware 663b_v2).

Due to the fact that SW Open AT[®] Firmware 6.63b used by both products Q2686 and Q2687 are similar, *CETECOM* recommended to perform testing on the single Q2687.

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. 504/07T16.

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.