



# GSM ASSESSMENT REPORT

No. 1-504/07A12

for the  
**Software Update**  
of  
**WAVECOM SA**

**GSM 850/900/1800/1900 Wireless CPU**  
**Type New Q24series**

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

**This GSM Assessment Report consists of 6 pages  
and is related to *CETECOM* GSM TEST REPORT No. 504/07T11**

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



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## 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 Q24series**

with the following configuration:

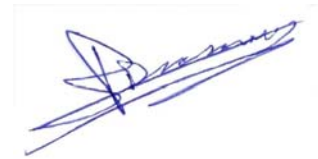
**Hardware Version: See §4.1**

**Software Version: Open AT® Firmware 6.57d**

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



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(Verification of the GSM Assessment Report)



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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.:	5035_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

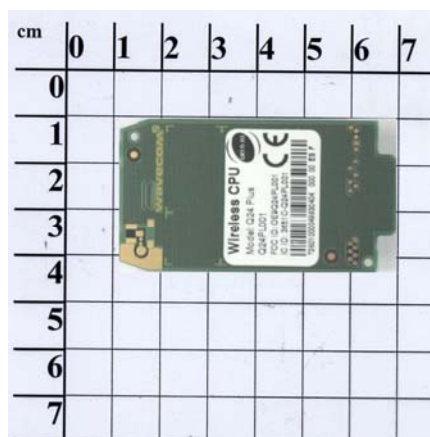
Brand Name:	<b>WAVECOM SA</b>
Type Name:	<b>New Q24series</b>
Marketing Name:	<b>New Q24series wireless CPU</b>
GSM Frequency Bands:	<b>GSM 850/900/1800/1900</b>
Special Features / Comments:	

### Description of the EUI

	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

**Software Version:** Open AT® Firmware 6.57d

### 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 New Q24series was updated

from version Open AT® Firmware 6.57c (initial version)  
to version Open AT® Firmware 6.57d (final version).

The software update documentation received from the client and/or manufacturer (see documentation: Q24NG\_certification background\_OpenAT®Firmware6.57d\_v1) states that the implemented software update modifications have 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.

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

Tests have been run on a representative equipment of another wireless CPU family (Q2426B) which is built with the same SW (Open AT® Firmware 6.57d) without any impact on the results. This statement is based on the fact that only signalling tests have been performed.

Detailed results are given in the related *CETECOM* GSM Test Report No. 504/07T11.

*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 EUI's overall conformity towards GCF-CC V3.25.0 is based on the previous conformity of the initial SW version Open AT® firmware 6.57c as stated in *CETECOM*'s assessment report: 1-504\_07A10.

To ensure the EUI's overall conformity towards GCF-CC V3.26.0 based on the previous conformity to GCF-CC V3.25.0 (see documentation: assessment report: 1-504\_07A10), *CETECOM* did not recommend additional testing to ensure the conformity to all applicable technical GSM requirements.