

CETECOM ICT Services GmbH

EC Identification number 0682

authorized by the German Government



to act as Notified Body in accordance with the R&TTE Directive 1999/5/EC of 9. March 1999.

CERTIFICATE EXPERT OPINION

Registration-No.: M528218Q-EO

Certificate Holder: Siemens AG
Siemensdamm 50
D-13623 Berlin
Germany

Product Designation: Siemens Cellular Engines XT55, XF55

Product Description: E-GSM 900 / GSM 1800 / GSM 1900 GPRS Terminal Equipment

Product Manufacturer: See Certificate Holder

essential requirement (corresponding R&TTE article)	Applied Specifications / Standards	Evidence Documentation	Result
RF spectrum efficiency (Art. 3.2)	EN 301 511-v.9.0.2 by application of GCF-CC / NAPRD.03 test case selection out of 3GPP TS 51.010-1:v.5.6.0	Test Reports	conform*
EMC (Art. 3.1b)	EN 301 489-1:v.1.4.1, EN 301 489-3:v.1.4.1, EN 301 489-7:v.1.2.1	Test Reports	conform
Safety (Art. 3.1a)	IEC/EN 60950-1:2001	Test Report	conform

* see remark under the corresponding TCF details in the annex.

Marking: The EC conformity marking (CE mark) of the products shall be accompanied by our EC identification number 0682 as shown right hand.

CE 0682

The scope of evaluation relates to the submitted documents only.

The certificate is only valid in conjunction with the following annex.

Saarbrücken, April 30, 2004

Place, Date of Issue

Signed by Nikolaus Wahl
Notified Body



Annex

Certificate - Expert Opinion, registration number M528218Q-EO, April 30, 2004

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Product Details

of

E-GSM 900 / GSM 1800 / GSM 1900 GPRS Terminal Equipment**Siemens Cellular Engines XT55, XF55**

HW version: S30880-S8380-A100 / B2.3 SW version: Revision 01.05, SVN 4

Siemens Cellular Engines XT55 and XF55 are E-GSM900 / GSM1800 / GSM1900 GPRS modules with external interfaces for use in various applications.

Variant XT55 is identical to XF55 but is equipped with a GPS module in addition.

Product Basic Characteristics:

Frequency Band(s):	E-GSM 900 / GSM 1800 / GSM 1900 simultaneous multiple band operation (for 900/1800 band only)
Power Class:	GSM900: 4 (2W) / GSM1800 and GSM1900: 1 (1W)
MS-Type:	small MS
Specific Features:	GPRS operation mode class B, multislots class 10; SAT, AMR, GPS(XT55 only)

Further details are contained in manufacturer's product documentation.

Ancillary Equipment:

- development support box DSB 45
- standard PC with terminal program

Technical Construction File (TCF) Details**Test Reports / Evidence regarding art. 3.2 of the R&TTE Directive (RF spectr. efficiency):**

- **GSM Test Reports / associate Assessment Reports no. 1-631/02T140 / 1-631/02A140; 1-631/02T147* / 1-631/02A147*; 1-631/02T152 / 1-631/02A152;**
(Reports marked with "*" are without relevance to requirements from the R&TTE directive and are listed for informative reasons only.)

issued by: CETECOM GmbH, Germany

applied standard(s): 3GPP TS 51.010-1:v.5.6.0, selection acc. to GCF-CC:v.3.11.1 resp. NAPRD.03:v.2.9.1, covering essential radio test suites of EN 301 511:v.9.0.2.

note: In conjunction with further relevant parts of the presented TCF the above given reports demonstrate the product's compliance with article 3.2 of the R&TTE Directive, with the following exception:

Compliance with the requirements in terms of Transmitter Output Power and Output RF Spectrum in GPRS multislot uplink configuration (*) which is declared by the manufacturer due to missing validated test suite implementations. [(*)see EN 301 511, chapters 5.2.10 and 5.2.11, respectively 3GPP TS 51.010-1 test cases 13.16.2 and 13.16.3.]

Test Reports / Evidence regarding article 3.1b of the R&TTE Directive (EMC):

- **Test Report, no. 2-20609212a/03 (with regard to GSM)**
issued by: CETECOM GmbH, Germany
applied standard(s): EN 301 489-1:v1.4.1 & EN 301 489-7:v1.2.1
- **Test Report, no. 2-3570-01-04/04 (with regard to GPS)**
issued by: Cetecom ICT Services GmbH, Germany
applied standard(s): EN 301 489-1:v1.4.1 & EN 301 489-3:v1.4.1

note: In conjunction with further relevant parts of the presented TCF the above given evidence demonstrates compliance of the product with article 3.1b of the R&TTE Directive.

Test Reports / Evidence regarding article 3.1a of the R&TTE Directive, safety aspect:

- **Test Report, no. 2-3570-1-1/04**
issued by: Cetecom ICT Services GmbH, Germany
applied standard(s): IEC/EN 60950-1 (2001)

note: In conjunction with further relevant parts of the presented TCF the above given test report demonstrates compliance of the product with the safety aspect of article 3.1a of the R&TTE Directive.

Relevant technical documentation for the product.

Note: The assessment documented herein is partially based on documentation (and test reports) from assessment applied to variants and/or previous versions of the product on hand where this considered to be justified. Those documentation is additional part of the TCF or may be given there by reference, together with relevant update and / or comparison information.
