CETECOM ICT Services GmbH

Notified Body

CETECOM ICT Services GmbH • Postfach 10 04 45 • D-66004 Saarbrücken

Cinterion Wireless Modules GmbH
attn. Mr. Thorsten Liebig
Siemensdamm 50
D-13629 Berlin
Germany

Your reference, your message from	Our reference, our message from	Phone / Fax	Saarbrücken
PHS8-P, initial	SCHM	+49 (0)2054 / 9519-228 /	2011-12-19
Order dated 2011-12-15 (email)	M529049Y-01-EO	+49 (0)2054 / 9519-964	

- **Conformity Assessment acc. to Annex IV of Directive 1999/5/EC (R&TTE Directive)**

identification of the proceeding

Registration Number: **M529049Y-01-EO**

Product Manufacturer: **Cinterion Wireless Modules GmbH, Germany**

Product Designation: **Cinterion Wireless Module PHS8-P, GSM850/(E-)GSM900/GSM1800/GSM1900/WCDMA (FDD I,II,V,VI,VIII) HSPA+ module with GPS**

Dear Sir/Madam,

following your order we have performed the conformity assessment specified above. Please find enclosed the relating issue of the

Expert Opinion with the registration number : **M529049Y-01-EO**
Certificate of Conformity with the registration number : **M529049Y-01-CC**

Notice: The EC conformity marking (CE mark) of products as designated in the above given Expert Opinion shall be accompanied by our notified body identification number 0682 before the placing on the market. For other products than those designated in the related Expert Opinion our notified body identification number may not be used without our written permission.

The order is concluded herewith. We will charge for our services by a separate invoice.

Yours faithfully
CETECOM ICT Services GmbH

i.A. Marc Schmidt

Enclosure
- Expert Opinion
- Certificate of Conformity

CETECOM ICT Services GmbH

EC Identification number 0682

authorized by the German Government

Bundesnetzagentur

BNetzA-bS-02/51-52

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

EXPERT OPINION

Registration-No.: **M529049Y-01-EO**

Applicant / Manufacturer: **Cinterion Wireless Modules GmbH**
St.-Martin-Straße 53
81669 München
Germany

Product Designation: **Cinterion Wireless Module PHS8-P**

Product Description: **GSM850/(E-)GSM900/GSM1800/GSM1900/WCDMA (FDD I,II,V,VI,VIII) HSPA+ module with GPS**
Power Classes: GSM850/900: 4 - GSM1800/1900: 1 - WCDMA: 3
GPRS/EGPRS Multislot Class 12

essential requirement (related R&TTE article)	Applied leading Specifications / Standards	Evidence Docum.	**Result**
RF spectr. efficiency (Art. 3.2)	**EN 300 440-2, v1.3.1** **Selection of test cases according to GCF-CC, v3.43.1 and NAPRD03, v5.9, covering essential radio tests of EN 301 511, v9.0.2, EN 301 908-1, v5.2.1 and EN 301 908-2, v5.2.1**	**Test Report(s)**	**conform**
EMC (Art. 3.1b)	**EN 301 489-1, v1.8.1 / EN 301 489-3, v1.4.1 / EN 301 489-7, v1.3.1 / EN 301 489-24,v1.4.1**	**Test Report(s)**	**conform**
Safety & Health (Art. 3.1a)	**EN 60950-1:2006+A11:2009** **EN 62311:2008**	**Test Report(s) / Calculation**	**conform**

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. Information, documentation or evidence related to product functions beyond the scope of the R&TTE Directive may be given for informative reasons but has not been subject to the assessment under the R&TTE Directive as identified above (e.g. 2G or 3G frequency bands not used in Europe). This document is only valid in conjunction with the following annex.

Saarbruecken, December 19, 2011
Place, Date of Issue

Signed by Marc Schmidt
Notified Body

GERMAN NOTIFIED BODY • DEUTSCHE BENANNTE STELLE •

Technical Construction File (TCF) Details

Test Report(s) / Evidence regarding article 3.2 of the R&TTE Directive (RF spectrum efficiency):

- **GSM/WCDMA Test Report(s) no. MDE_CINTE_0902_02(*), MDE_CINTE_0902_03(*), MDE_CINTE_1106_01(*), MDE_CINTE_1107_01(*), MDE_CINTE_1108_01**

  Assessment Report(s) no. MDE_CINTE_1107_02(*), MDE_CINTE_1102_PH8-P_02(*)

  issued by: 7 layers AG

  applied standard(s): Selection of test cases according to GCF-CC, v3.43.1 and NAPRD03, v5.9, covering essential radio tests of EN 301 511, v9.0.2, EN 301 908-1, v5.2.1 and EN 301 908-2, v5.2.1

- **GSM/WCDMA Test Report(s) no. ES_UT_305146REV1(*), ES_GT_305292(*), ES_UT_305291(*)**

  issued by: CETECOM GmbH

  applied standard(s): GCF-CC, v3.43.1 / NAPRD03, v5.8

- **GPS Test Report(s) no. MDE_CINTE_0902_RADa(*)**

  issued by: 7 layers AG

  applied standard(s): EN 300 440-2, v1.3.1

note: In conjunction with further relevant parts of the presented TCF the above given test report(s) demonstrate(s) compliance of the product with article 3.2 of the R&TTE Directive.

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

- **EMC Test Report(s) no. MDE_CINTE_0902_EMCa(*), MDE_CINTE_1107_EMCb(*), MDE_CINTE_1108_EMCa**

  issued by: 7 layers AG

  applied standard(s): EN 301 489-1, v1.8.1 / EN 301 489-3, v1.4.1 / EN 301 489-7, v1.3.1 / EN 301 489-24,v1.4.1

  note: The requirements of EN 301 489-3 have been covered by adequate testing according to EN 301 489-7 in GPS operating mode.

note: In conjunction with further relevant parts of the presented TCF the above given test report(s) demonstrate(s) compliance of the product with article 3.1b of the R&TTE Directive.

Technical Construction File (TCF) Details (continued)

Test Report(s) / Evidence regarding article 3.1a of the R&TTE Directive (safety & health):

- **Safety Test Report(s) no. E230199-A1-IT-11 / Certificate of Conformity no. LVD-00584**
  issued by: UL International Demko A/S, Denmark
  applied standard(s): EN 60950-1:2006+A11:2009
- **MPE Calculation(s) no. MDE_CINTE_1108**
  issued by: 7 layers AG
  applied standard(s): EN 62311:2008

note: In conjunction with further relevant parts of the presented TCF the above given test report(s) demonstrate(s) compliance of the product with article 3.1a of the R&TTE Directive.

Manufacturer's relevant technical documentation for the product.

Note: The assessment documented herein is partially based on documentation (incl. the test reports marked with a star (*)) from assessments applied to a product variant which can be seen as identical in most relevant parts. Those documentation is additional part of the current TCF version or may be given there by reference, together with relevant update and / or comparison information.

Note: Compliance of the identified module with the essential requirements of the R&TTE directive does not automatically constitute compliance of host-products which will integrate the module. Those end-products must be subject to their own compliance assessment whereas above listed test evidence may be re-used to limit the required test scope when justifyable.

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CETECOM ICT Services GmbH

CERTIFICATE OF CONFORMITY

Registration-No.:	**M529049Y-01-CC**
Applicant / Manufacturer:	**Cinterion Wireless Modules GmbH** **St.-Martin-Straße 53** **81669 München** **Germany**
Product Designation:	**Cinterion Wireless Module PHS8-P**
Product Description:	**GSM850/(E-)GSM900/GSM1800/GSM1900/WCDMA (FDD I,II,V,VI,VIII) HSPA+ module with GPS** Power Classes: GSM850/900: 4 - GSM1800/1900: 1 - WCDMA: 3 GPRS/EGPRS Multislot Class 12
Applied Specifications:	**GCF-CC, v3.43.1 / NAPRD03, v5.9** **EN 301 511, v9.0.2 / EN 301 908-1, v5.2.1 / EN 301 908-2, v5.2.1** **EN 300 440-2, v1.3.1** **EN 301 489-1, v1.8.1 / EN 301 489-3, v1.4.1 / EN 301 489-7, v1.3.1 / EN 301 489-24, v1.4.1** **EN 60950-1:2006+A11:2009** **EN 62311:2008**

Statement:

The equipment is compliant to the above listed specifications.

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

CETECOM ICT Services is authorized to act as Notified Body (EC identifier 0682) in accordance with the R&TTE Directive 1999/5/EC of 9. March 1999.

Saarbrücken, December 19, 2011

Place, Date of Issue

Signed by Marc Schmidt

Certification Body

Technical Construction File (TCF) Details

- **GSM/WCDMA Test Report(s) no. MDE_CINTE_0902_02(*), MDE_CINTE_0902_03(*), MDE_CINTE_1106_01(*), MDE_CINTE_1107_01(*), MDE_CINTE_1108_01**

  Assessment Report(s) no. MDE_CINTE_1107_02(*), MDE_CINTE_1102_PH8-P_02(*)

  issued by: 7 layers AG

  applied standard(s): Selection of test cases according to GCF-CC, v3.43.1 and NAPRD03, v5.9, covering essential radio tests of EN 301 511, v9.0.2, EN 301 908-1, v5.2.1 and EN 301 908-2, v5.2.1

- **GSM/WCDMA Test Report(s) no. ES_UT_305146REV1(*), ES_GT_305292(*), ES_UT_305291(*)**

  issued by: CETECOM GmbH

  applied standard(s): GCF-CC, v3.43.1 / NAPRD03, v5.8

- **GPS Test Report(s) no. MDE_CINTE_0902_RADa(*)**

  issued by: 7 layers AG

  applied standard(s): EN 300 440-2, v1.3.1

- **EMC Test Report(s) no. MDE_CINTE_0902_EMCa(*), MDE_CINTE_1107_EMCb(*), MDE_CINTE_1108_EMCa**

  issued by: 7 layers AG

  applied standard(s): EN 301 489-1, v1.8.1 / EN 301 489-3, v1.4.1 / EN 301 489-7, v1.3.1 / EN 301 489-24,v1.4.1

  note: The requirements of EN 301 489-3 have been covered by adequate testing according to EN 301 489-7 in GPS operating mode.

- **Safety Test Report(s) no. E230199-A1-IT-11 / Certificate of Conformity no. LVD-00584**

  issued by: UL International Demko A/S, Denmark

  applied standard(s): EN 60950-1:2006+A11:2009

- **MPE Calculation(s) no. MDE_CINTE_1108**

  issued by: 7 layers AG

  applied standard(s): EN 62311:2008

Manufacturer's relevant technical documentation for the product.

Note: The assessment documented herein is partially based on documentation (incl. the test reports marked with a star (*)) from assessments applied to a product variant which can be seen as identical in most relevant parts. Those documentation is additional part of the current TCF version or may be given there by reference, together with relevant update and / or comparison information.

Note: Compliance of the identified module with the essential requirements of the R&TTE directive does not automatically constitute compliance of host-products which will integrate the module. Those end-products must be subject to their own compliance assessment whereas above listed test evidence may be re-used to limit the required test scope when justifyable.

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