

**COMPLIANCE REPORT FOR
AUSTRALIAN COMMUNICATIONS INDUSTRY FORUM(ACIF)
AUSTRALIAN STANDARD ACIF S042.3:2005
(REQUIREMENTS FOR CONNECTION TO AN AIR INTERFACE OF A
TELECOMMUNICATIONS NETWORK – PART 3: GSM CUSTOMER
EQUIPMENT)**

Client:	Huawei Technologies Co. Ltd.
Address:	Administration Building, Huawei Base, Bantian, Longgang District, Shenzhen 518129, P.R.C.
Report Number:	0301HUA-EM820W_S042-3
Date of Assessment:	24 Jan to 14 Feb 2011
File Number:	BVCPS110120
Equipment Name:	HSPA+ Module
Equipment Model No:	EM820W
Equipment Serial No:	W9V2B110C2300372
Equipment Description:	EM820W HSPA+ / HSUPA / HSDPA / WCDMA / EDGE / GPRS / GSM dual mode is subscriber equipment in the UMTS / GSM system
Result:	COMPLIES
Compiled by:	Phillip Kane 
Approved by:	Colin Gan Senior Engineer 
Date of Issue:	01 Mar 2011

Results appearing herein relate only to the sample(s) tested.
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SUMMARY OF COMPLIANCE WITH
AUSTRALIAN COMMUNICATIONS INDUSTRY FORUM
AUSTRALIAN STANDARD ACIF S042.3:2005

The HSPA+ Module (Model: EM820W) was supplied for S042.3:2005 testing by Huawei Technologies Co. Ltd.

The Device Under Test (DUT) was an EM820W HSPA+ / HSUPA / HSDPA / WCDMA / EDGE / GPRS / GSM dual mode is subscriber equipment in the UMTS / GSM system.

The DUT displayed the following markings:

Top Side

IMEI: 354283040008595
S/N: W9V2B110C2300372
P/N: 51074276

DUT Version Information

HW Version: MD1EM820WM
SW Version: 11.809.05.80.00

HSPA+ Module (Model: EM820W) **COMPLIES** with all relevant mandatory clauses of the Australian Communications Industry Forum Australian Standard ACIF S042.3:2005 - GSM Customer Equipment.

Method

Testing was performed in accordance with the standard and test procedure:

ACIFS042.3man

Issue 1

Legend:

Possible Test Case Verdicts:

- Test case does not apply to the test object **NA**
- Test object does meet the requirements **P(ass)**
- Test object does not meet the requirements **F(ail)**
- Test was not performed..... **NT (Not Tested)**
- Noted **ND**

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AS/ACIF S042.3:2005		
Clause	Description	Verdict
1	INTERPRETIVE GUIDELINES	ND
2	SCOPE	ND
3	REFERENCES	ND
4	ABBREVIATIONS AND DEFINITIONS	ND
5	REQUIREMENTS	P

5.1	RF Compatibility, Network Integrity and Interoperability with the STS GSM CE shall comply with the requirements of ETSI EN301 511 [6] including the requirements incorporated by reference and found in ETSI TS 151 010-1 [4]. <i>Note: Refer to appendix for cover pages of documentation supporting this clause.</i>	P
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5.2	<u>IMEI Security</u> GSM CE shall comply with IMEI security requirements of ETSI TS 151 010-1 [5]. <i>Note: Refer to appendix for self declaration.</i>	P
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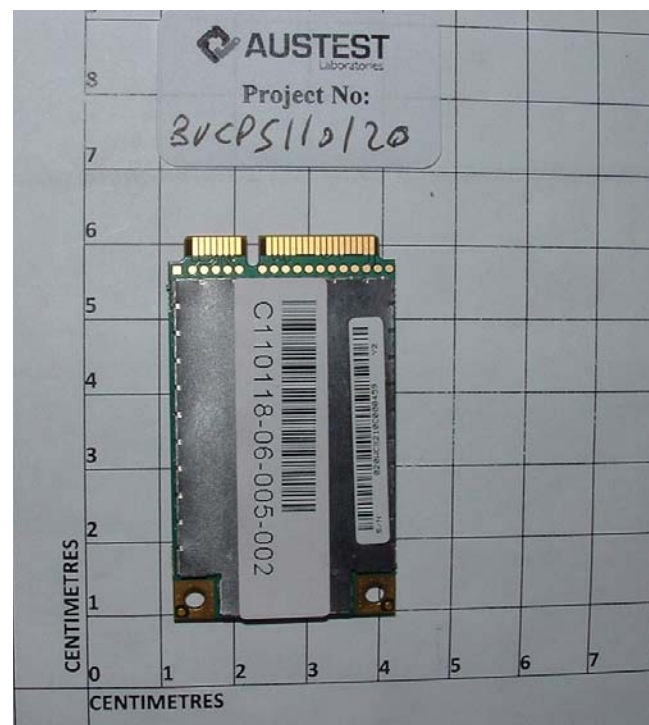
*** END OF REPORT BODY ***

APPENDIX A – Photographic Record of Sample
APPENDIX B – Attestations
APPENDIX C – Cover Page of Supporting Documentation

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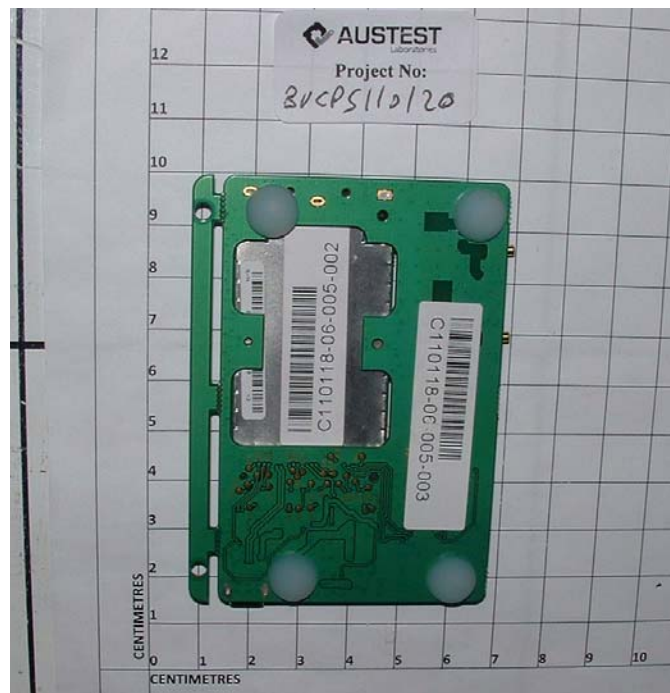
APPENDIX A

PHOTOGRAPHIC RECORD OF SAMPLE



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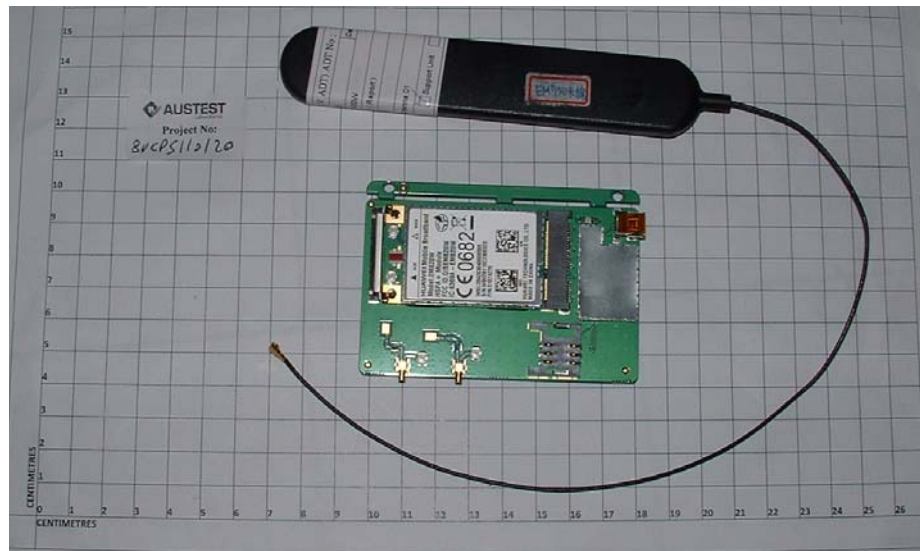
APPENDIX A PHOTOGRAPHIC RECORD OF SAMPLE



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APPENDIX A

PHOTOGRAPHIC RECORD OF SAMPLE



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APPENDIX B

ATTESTATIONS

IMEI Integrity Statement

LKP40664 2011-05-13 16:10:04



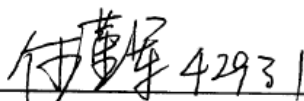
Huawei Technologies Co., Ltd

Administration Building, Huawei Base, Bantian, Longgang District, Shenzhen 518129 P.R.C.

Tel: 86-755-2878-0808 Fax: 86-755-8965-2518

General Declaration

We, **Huawei Technologies Co., Ltd**, hereby declare that the IMEI codes for this product (Product name: HSPA+ module, Model: EM820W, Brand: **HUAWEI**, Product description: EM820W HSPA+/HSUPA/HSDPA/WCDMA/EDGE/GPRS/GSM dual mode module is subscriber equipment in the UMTS/GSM system.) are unique to each unit and only assigned to this model. The IMEI of each unit is factory set and cannot be altered by the user and that it complies with the relevant IMEI integrity related requirements expressed in the GSM standards.



He Jinjun / Product Manager

Tel: 86 755 3683 6416

Fax: 86 755 3683 5982

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APPENDIX C

COVER PAGES OF SUPPORTING DOCUMENTATION

EN 301 511 GSM Report



TEST REPORT

Test Report No: 1-1930-207-04/10



Testing Laboratory	Applicant and Manufacturer
CETECOM ICT Services GmbH Untertürkheimer Straße 6 – 10 66117 Saarbrücken/Germany Phone: + 49 681 5 98 - 0 Fax: + 49 681 5 98 - 9075 Internet: http://www.cetecom-ict.de e-mail: info@ict.cetecom.de Accredited Test Laboratory: The test laboratory (area of testing) is accredited according to DIN EN ISO/IEC 17025 DAR registration number: DGA-PL-176/94-D1 Area of Testing: Radio Satellite Communications	Huawei Technologies Co., Ltd Huawei Base, Bantian, Longgang District, Shenzhen 518129, P.R. China Phone: +86 755 21 53 42 51 Fax: +86 755 21 53 47 70 Contact: Mrs. Lin (Jolin) Zhang Employee ID: 122000 e-mail: zhanglin01609@huawei.com Phone: +86 755 21 53 42 51

Test Standard/s	
ETSI EN 301 511 V9.0.2	Global System for Mobile communications(GSM);Harmonized EN for mobile stations in the GSM 900 and GSM 1800 bands covering essential requirements under article 3.2 of the R&TTE directive(1999/5/EC)
ETSI TS 151 010-1 V4.9.0	Digital cellular telecommunications system(Phase 2+);Mobile Station(MS) conformance specification

Test Item	
Kind of test item: HSPA+ Module Model name: EM820W S/N serial number: W9V2B110A1400032 HW hardware status: MD1EM820WM SW software status: 11.805.03.07.00 Frequency [MHz]: 900MHz/1800MHz Type of Modulation: GMSK, 8 PSK Number of channels: 6 Antenna: Non- Integrated Antenna Power Supply: Max 2.8 W Temperature Range: - 10°C+ 55°C	

Test performed:

Zhang Ting

Date 2010-12-7
 Name zhangting

Test Report authorised:

Michael Berg

Date 2010-12-15
 Name Michael Berg

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APPENDIX C

COVER PAGES OF SUPPORTING DOCUMENTATION

Notified Body Expert Opinion

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 9. March 1999.

EXPERT OPINION

Registration-No.: E816161X-EO
Certificate Holder: HUAWEI TECHNOLOGIES Co., Ltd.
Bantian, Longgang District
Shenzhen, 518129
P.R. China
Product Designation: EM820W
Product Description: HSPA+ Module
Product Manufacturer: see Certificate Holder

Essential requirements	Specifications / Standards	Submitted documents	Result
Safety (R&TTE, Article 3.1a)	IEC 60950-1:2005 (2nd Edition) and EN 60950-1:2006/A11:2009	Test Report	conform
EMC (R&TTE, Article 3.1b)	EN 301 489-1 V1.8.1 EN 301 489-7 V1.3.1 EN 301 489-24 V1.4.1	Test Report	conform
Radio spectrum (R&TTE, Article 3.2)	EN 301 511 V9.0.2 EN 301 908-1 V4.2.1 EN 301 908-2 V4.2.1	Test Reports	conform

Marking: The product shall be marked with CE and our notified body number.

CE 0682

The scope of this evaluation relates to the submitted documents only.
The certificate is only valid in conjunction with the following number of annexes.

Number of annexes: 1

Saarbrücken, 2010-12-22
Place, Date of IssueSigned by Fabien Coulet
Notified BodyCETECOM ICT Services GmbH, Untertürkheimer Straße 6-10, 66117 Saarbrücken, Germany
<http://www.cetecom.com>

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APPENDIX C

COVER PAGES OF SUPPORTING DOCUMENTATION

Notified Body Expert Opinion (Cont.)

 Annex 1 of the Certificate „EXPERT OPINION“
 Registration no.: E816161X-EO Date: 2010-12-22
 Page 1 of 1

Product Characteristics:

HSPA+ Module

Operating frequency	:	WCDMA/HSDPA/HSUPA: 900 MHz WCDMA/HSDPA/HSUPA: 2100 MHz GSM/GPRS/EDGE: 900 MHz GSM/GPRS/EDGE: 1800 MHz
Output power (ERP/EIRP)	:	WCDMA: 24 dBm GSM900: 33 dBm GSM1800: 30 dBm
Antenna	:	external antenna
Temperature	:	-10°C to +55°C
Power supply	:	3.3 V DC nominal

Conformity Details:

Evaluated testreports	
Requirement	Standard, test report number, date & laboratory
Safety	IEC 60950-1:2005 (2nd Edition) and EN 60950-1:2006/A11:2009 -No.: 1-1930-207-02/10 dated 2010-12-14 and issued by CETECOM ICT Services GmbH
EMC	EN 301 489-1 V1.8.1 EN 301 489-7 V1.3.1 EN 301 489-24 V1.4.1 -No.: 1-1930-207-03/10 dated 2010-12-15 and issued by CETECOM ICT Services GmbH
Radio	EN 301 511 V9.0.2 EN 301 908-1 V4.2.1 EN 301 908-2 V4.2.1 -No.: 1-1930-207-04/10 dated 2010-12-15 and issued by CETECOM ICT Services GmbH -No.: 1-1930-207-05/10 dated 2010-12-15 and issued by CETECOM ICT Services GmbH

Miscellaneous:

- TCF according to the application

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