

**COMPLIANCE TESTING REPORT FOR
AUSTRALIAN COMMUNICATIONS INDUSTRY FORUM (ACIF)
AUSTRALIAN STANDARD ACIF S042.1:2008
(REQUIREMENTS FOR CONNECTION TO AN AIR INTERFACE OF A
TELECOMMUNICATIONS NETWORK – PART 1: GENERAL)**

Client:	Huawei Technologies Co. Ltd.
Address:	Administration Building, Huawei Base, Bantian, Longgang District, Shenzhen 518129, P.R.C.
Report Number:	0301HUA-EM820W_S042-1
Date of Testing:	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:	ASSESSED AS NOT APPLICABLE TO THIS EQUIPMENT
Compiled by:	Phillip Kane 
Approved by:	Colin Gan Senior Engineer 
Date of Issue:	01 Mar 2011

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SUMMARY OF COMPLIANCE WITH LIMITED CLAUSES OF
AUSTRALIAN COMMUNICATIONS INDUSTRY FORUM
AUSTRALIAN STANDARD ACIF S042.1:2008

The HSPA+ Module (Model: EM820W) was supplied for S042.1:2008 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

The HSPA+ Module (Model: EM820W) does not support voice communications, so the clauses of the Australian Communications Industry Forum Australian Standard ACIF S042.1:2008 Part 1 – General, have been assessed as being not applicable to this device.

Method

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

ASACIFS0042.1man

Issue 3

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 S042.1:2008		
Clause	Description	Verdict
1	INTERPRETIVE GUIDELINES	ND
2	SCOPE	ND
3	REFERENCES	ND
4	ABBREVIATIONS AND TECHNICAL DEFINITIONS	ND
5	REQUIREMENTS AND ADVISORY INFORMATION	NA

5.1	General	
5.1.1	<u>Emergency Service Access</u> CE designed for voice communications shall allow the dialling of the emergency service numbers <i>000</i> and <i>106</i> .	NA
5.1.2	<u>Multi-mode CE</u> CE designed to operate in multiple modes shall comply with the requirements for each specific mode applicable to that CE. The requirements for any specific mode only apply when CE is operating in that specific mode.	ND
5.1.3	<u>Gateway Device</u> CE that— (a) functions as a gateway device and incorporates an interface for telephone extension(s); and (b) does not include a keypad for dialling the emergency service numbers or an acoustic coupler device shall comply with the requirements of Clauses 5.1.1, 5.1.2 and 5.4.	NA

5.2	CE used in connection with a PMTS	
5.2.1	<u>Application</u> The requirements of Clause 5.2 are applicable to CE operating in a mode where the CE is connected to or intended for use in connection with a PMTS.	ND
5.2.2	<u>Emergency Service Access</u>	
5.2.2.1	<u>Emergency Number 000</u> CE designed for voice communications shall allow the dialling of the emergency service number <i>000</i> under all combinations of the following conditions: (a) Locks CE shall allow dialling of the emergency service number <i>000</i> when the CE is in any lock or unlock condition, including security code, keypad locks and blocked identity module.	NA NA
	(b) Identity modules	NA

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Clause	Description	Verdict
	Where an identity module is required for normal operation, CE shall allow dialling of the emergency service number <i>000</i> regardless of the presence of the identity module. (c) Keypads CE that incorporates a 10-digit numeric keypad for which the primary function is dialling for the purpose of call setup shall – (i) allow the dialling of emergency service number <i>000</i>; and (ii) for GSM and GSM derived technologies, also allow the dialling of emergency service number <i>112</i>; by the user manually entering the digits into the keypad at the time the connection is required.	NA
5.2.2.2	<u>Special Flags and Special Signalling</u>	
5.2.2.2.1	<u>Emergency Service Numbers <i>000</i> and <i>112</i></u> CE using GSM and GSM derived technologies designed for voice communications shall activate the emergency call procedure for the emergency service number <i>000</i> in the same manner as it would initiate the emergency call procedure for the emergency service number <i>112</i> .	NA
5.2.2.2.2	<u>Emergency Service Number <i>106</i></u> CE using GSM and GSM derived technologies designed for voice communications shall not activate the emergency call setup for calls to the text (non speech) emergency service number <i>106</i> in the same manner as for emergency service numbers <i>000</i> and/or <i>112</i> .	NA
5.2.3	<u>Screen Displays</u>	
5.2.3.1	<u>During Call Setup</u> During call setup to emergency service numbers <i>000</i> and <i>112</i> (if using GSM or GSM derived technologies), CE for voice communications should display an appropriately worded message to indicate that an emergency call is in progress. The preferred wording for the progress message is as follows: Attempting emergency call	NA
5.2.3.2	<u>No Telecommunications Network Coverage</u> CE for voice communications that is capable of indicating that a Telecommunications Network is present which is not in the coverage area of any compatible Telecommunications Network, should display an appropriately worded message to indicate that a Telecommunications Network is not available for any calls, including emergency calls. The preferred wording for the message is as follows: No network coverage	NA
5.2.3.3	<u>When CE is able to make Emergency Calls to <i>000</i> and <i>112</i> for GSM and GSM</u>	NA

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Clause	Description	Verdict
	<u>Derived Technologies</u> CE using GSM and GSM derived technologies designed for voice communications with a user display and with such display not in battery save or screen save mode, shall , when unable to provide network access other than to make emergency calls to 000 and 112, display a message to indicate that emergency calls are possible. The wording of the warning message should be: 000 emergency calls only	

5.3	CE used in connection with a Satellite Service	
5.3.1	<u>Application</u> The requirements of Clause 5.3 are applicable to CE operating in a mode where the CE is connected to or intended for use in connection with a Satellite Service.	ND
5.3.2	<u>Emergency Service Access</u> CE designed for voice communications that incorporates a 10-digit numeric keypad for which the primary function is dialling for purpose of call setup shall allow the dialling of emergency service number 000 by the user manually entering the digits into the keypad at the time the connection is required.	NA
5.3.3	<u>Screen Displays</u>	
5.3.3.1	<u>During Call Setup</u> During call setup to emergency service numbers 000, CE designed for voice communications should display an appropriately worded message to indicate that an emergency call is in progress. The preferred wording for the progress message is as follows: Attempting emergency call	NA
5.3.3.2	<u>No Telecommunications Network Access</u> CE designed for voice communications used in connection with a particular Satellite Service that is capable of indicating that the Telecommunications Network supplying the Satellite Service is accessible, should display an appropriately worded message to indicate that a Telecommunications Network is not available for any calls, including emergency calls. The preferred wording for the message is as follows: No network access	NA

5.4	Provision of Power-fail Advice	
	Mains powered CE designed for voice communications shall have a warning notice included in or with the CE documentation, if the CE does not continue to operate for more than 30 minutes after the loss of mains power. Suggested wording for the warning notice is shown below and should also be	NA

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Clause	Description	Verdict
	placed on the outside surface of the CE's packaging. Warning This equipment may not work when mains power fails	

5.5	Acoustic Safety	
5.5.1	<u>Maximum Sound Pressure Level (SPL)</u> The maximum RMS Sound Pressure Level (SPL) output for voice communications from the CE shall be less than or equal to 120 dBA at the Ear Reference Point (ERP) or the equivalent at the Drum Reference Point (DRP) when any user adjustable receiver volume control is set to maximum and when measured using 'RMS', 'F' or 'Fast' settings of sound level meters as defined in IEC 61672-1 [5] or equivalent short term RMS SPL.	NA
5.5.2	<u>Recommended Maximum Sound Pressure Levels (SPLs) (informative)</u>	
5.5.2.1	<u>General</u> The RMS Sound Pressure Level (SPL) output for all audible outputs other than voice communications from the CE should be less than or equal to 120 dBA at the Ear Reference Point (ERP) or the equivalent at the Drum Reference Point (DRP) when any user adjustable volume control is set to maximum and when measured using 'RMS', 'F' or 'Fast' settings of sound level meters as defined in IEC 61672-1 [5] or equivalent short term RMS SPL.	NA
5.5.2.2	<u>SPL Output exceeding 120 dBA</u> Where the RMS SPL output from the CE exceeds 120 dBA at the ERP or the equivalent at the DRP then there should be control of the initial SPL such as a ramping up of the output so the SPL is: (a) initially less than or equal to 120 dBA at the Ear Reference Point (ERP) or the equivalent at the Drum Reference Point (DRP); and (b) rises in increments no greater than 6 dB and (c) rises at a rate not greater than 6 dB/second; and (d) rises to a maximum within not less than 6 seconds.	NA

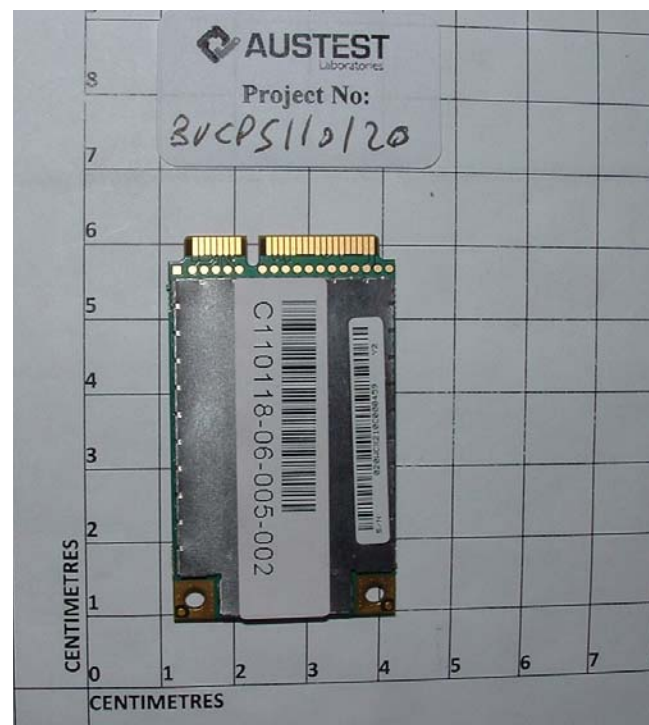
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APPENDIX A – Photographic Record of Sample

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APPENDIX A

PHOTOGRAPHIC RECORD OF SAMPLE



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APPENDIX A

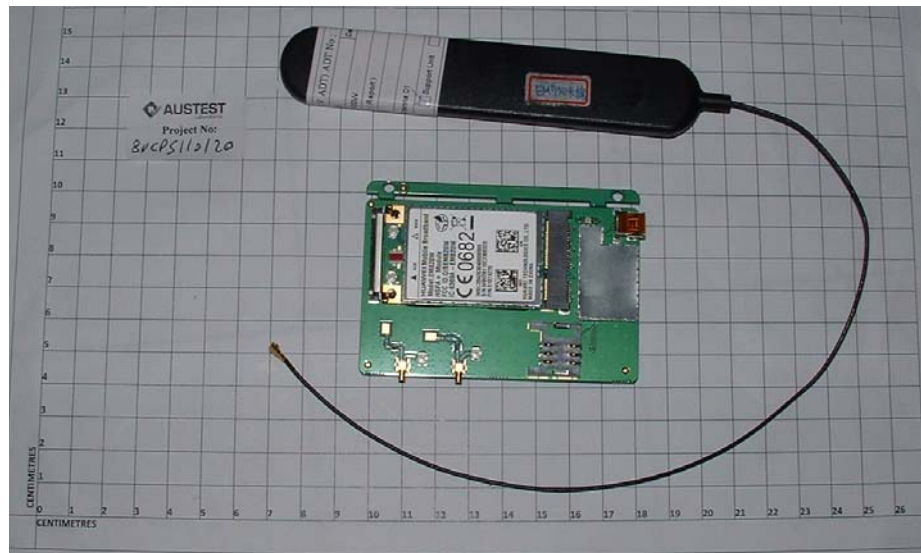
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APPENDIX A

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