



Partial UMTS TEST REPORT

No. 2010FTA656C

for

Huawei Technologies Co., Ltd.

HSPA+ Module

Type EM820W

with

Hardware Version: MD1EM820WM

Software Version: 11.808.07.03.00 (SVN:03)

Issued Date: 2010-12-01



No. DGA-PL-114/01-02

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of TMC Beijing.

Test Laboratory:

TMC Beijing, Telecommunication Metrology Center of Ministry of Industry and Information Technology

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Official Observer of



LAB CODE 20050815-00

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1. Test Laboratory

1.1. Testing Location

Company Name: TMC Beijing, Telecommunication Metrology Center of MIIT
Address: No 52, Huayuan beilu, Haidian District, Beijing, P.R.China
Postal Code: 100191
Telephone: 00861062304633
Fax: 00861062304633

1.2. Testing Environment

Normal Temperature: 15-35℃
Relative Humidity: 20-75%

1.3. Project data

Project Leader: Li Guang
Testing Start Date: 2010-11-29
Testing End Date: 2010-11-29

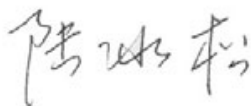
1.4. Signature



Li Guang
(Prepared this test report)



Song Chongwen
(Reviewed this test report)



Lu Bingsong
Deputy Director of the laboratory
(Approved this test report)

2. Client Information

2.1. Applicant Information

Company Name: Huawei Technologies Co., Ltd.
Address /Post: Huawei Base, Bantian Longgang, Shenzhen 518057
Country: P.R. China
Contact: Mrs. Kang Ying
Telephone: +86-755-36834347
Fax: +86-755-36839014

2.2. Manufacturer Information

Company Name: Huawei Technologies Co., Ltd.
Address /Post: Huawei Base, Bantian Longgang, Shenzhen 518057
Country: P.R. China
Contact: Mrs. Kang Ying
Telephone: +86-755-36834347
Fax: +86-755-36839014

3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Description	HSPA+ Module
Model	EM820W
FCC ID	QISEM820W
UMTS Frequency Band	FDD Band I/II/V/VIII
GSM Frequency Band	EGSM900/DCS1800/GSM850/PCS1900
Power Class	EGSM900:4, DCS1800:1, GSM850:4, PCS1900:1 FDD Band I:3, FDD Band II:3, FDD Band V:3, FDD VIII:3
GPRS Multislot Class	12
EGPRS Multislot Class	12
Normal Voltage	3.3V

Note: Photographs of EUT are shown in ANNEX A of this test report.

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
N01	354283040001061	MD1EM820WM	11.808.07.00.00	2010-11-29

*EUT ID: is used to identify the test sample in the lab internally.

3.3. Internal Identification of AE used during the test

AE ID*	Description	SN
AE1	RF cable	---
AE2	Dummy Battery	---

*AE ID: is used to identify the test sample in the lab internally.

4. Reference Documents

4.1. Documents supplied by applicant

PICS/PIXIT, referring to Annex B for detailed information, is supplied by the client or manufacturer, which is the basis of testing.

4.2. Reference Documents for testing

The following documents listed in this section are referred for testing.

Reference	Title	Version
NAPRD03	Permanent Reference Document NAPRD03; Version Specific Technical Overview of PTCRB Mobile/User Equipment Type Certification	V5.4
PPMD	PTCRB Program Management Document; Process Overview of PTCRB Mobile/User Equipment Type Certification and IMEI Control	V1.5
GCF-CC	GLOBAL CERTIFICATION FORUM Certification Criteria	V3.40
3GPP TS 34.121-1	3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Terminal conformance specification; Radio transmission and reception (FDD)	V9.2.0
3GPP TS 34.121-2	3rd Generation Partnership Project; Technical Specification Group Radio Access Network User Equipment (UE) conformance specification; Radio transmission and reception (FDD); Part 2: Implementation Conformance Statement (ICS)	V9.2.0

5. Test Results

5.1. Different Type of UMTS Test Report

Full UMTS Test Report: In this type of UMTS test report, annex C contains all the testcases referred the according NAPRD03 and/or GCF-CC in section 4.2.

Partial UMTS Test Report: In this type of UMTS test report, annex C contains the testcases only by the applicant.

5.2. Summary of Test Results

	FDD I	FDD II	FDD V
Pass	4	1	2
Fail	0	0	0
Inc	0	0	0
Declare	0	0	0
total	4	1	2

Note: please refer to Annex C in this test report for the detailed test results.

The following terms are used in the above table.

Pass Amount of testcases with pass results in the given frequency band.

Fail Amount of testcases with fail results in the given frequency band.

Inc Amount of testcases with ambiguous results in the given frequency band.

Declare Amount of testcases with conformity declaration from the client in the given frequency band.

5.3. Statements

The HSPA Module, EM820W, manufactured by Huawei Technologies Co., Ltd. is a variant of EM820U for conformance test.

The testcases in this partial report requested by the applicant which are listed in the annex C have been successfully performed in the mobile phone specified in section 3 of this test report according to the procedure and test methods defined in type certification requirement listed in section 4 of this test report.

6. Test Equipments Utilized

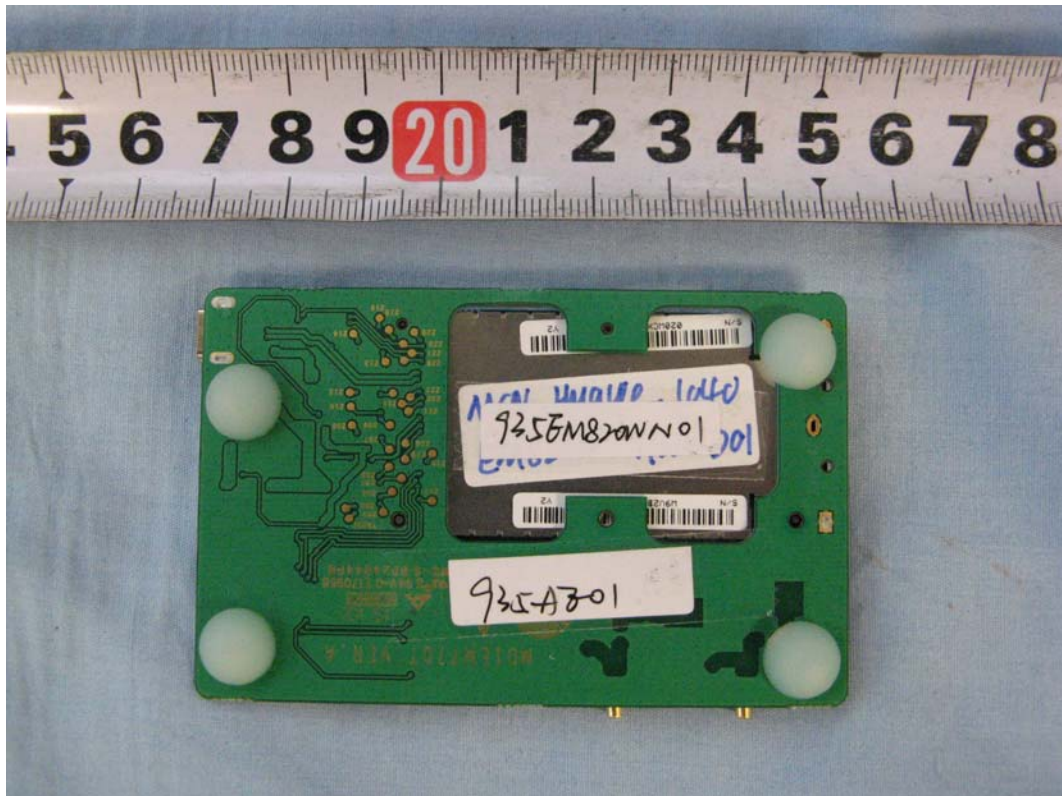
6.1. Anritsu ME7873F-WCDMA/RRM/HSDPA/HSUPA

TP57-Anritsu ME7873F-WCDMA/RRM/HSDPA/HSUPA					
Hardware					
No.	Name	Type	SN	Manufacturer	Cal.Due Date
1	Digital Mobile Radio Transmitter Tester	MS8609A	6200581987	Anritsu	2011-9-28
2	W-CDMA Signalling Tester	MD8480C	6200589675	Anritsu	2011-9-15
3	RF Switch Driver Unit	MN7451A	6200597649	Anritsu	2011-9-16
4	RF Switch Driver Unit	ME7416B	6200600932	Anritsu	2011-9-16
5	RF Interface Unit	MN7462A	6200599766	Anritsu	2011-9-16
6	Filter Unit for 882/837MHz	MN7464A2	6200598416	Anritsu	2011-9-15
7	Filter Unit for 1960/1880MHz	MN7464B1	6200598415	Anritsu	2011-9-16
8	RF Combiner Unit	MN7463A	6200598411	Anritsu	2011-9-15
9	RF Switch Unit	MN7465A	6200598413	Anritsu	2011-9-16
10	Filter Unit for 2140/1950MHz	MN7464A	6200598412	Anritsu	2011-9-16
11	Vector Signal Generator	MG3700A	6200587484	Anritsu	2011-9-27
12	Vector Signal Generator	MG3700A	6200587486	Anritsu	2011-9-27
13	Bit Error Rate Tester	MP8302A	6200562093	Anritsu	2011-9-17
14	Signal Generator	MG3692B	064202	Anritsu	2011-10-14
15	Filter Unit for 1843/1748MHz	MN7464B	6200776718	Anritsu	2011-9-16
16	Filter Unit for 941/896MHz	MN7464A3	6200776719	Anritsu	2011-9-16
17	RF Interface Unit for Diversity	MN7484A	6200776720	Anritsu	2011-9-16
18	Fading Simulator	MF6900A	6200737428	Anritsu	2011-9-16
Software					
Name		system version		platform version	
TRx		MX787103F version6.20.2		version 6.20	
Performance		MX787103F version6.20.2		version 6.20	
RRM		MX787103F version6.20.3		version 6.20	
HSDPA performance		MX787103F version6.20.2		version 6.20	
WI-024 TRx performance(R6 later)		MX787103F version6.20.2		version 6.20	
WI-024 RRM (R6 later)		MX787103F version6.20.2		version 6.20	
WI-025 TRx performance(HSUPA)		MX787103F version6.20.4		version 6.20	
WI-025 RRM (R6 later)		MX787103F version6.20.2		version 6.20	
WI-049 performance(MBMS)		MX787103F version6.20.2		version 6.20	
WI-049 RRM (MBMS)		MX787103F version6.20.2		version 6.20	
WI-069 TRx performance(R7 later)		MX787103F version6.20.2		version 6.20	
WI-070 TRx performance(R7 later)		MX787103F version6.20.2		version 6.20	

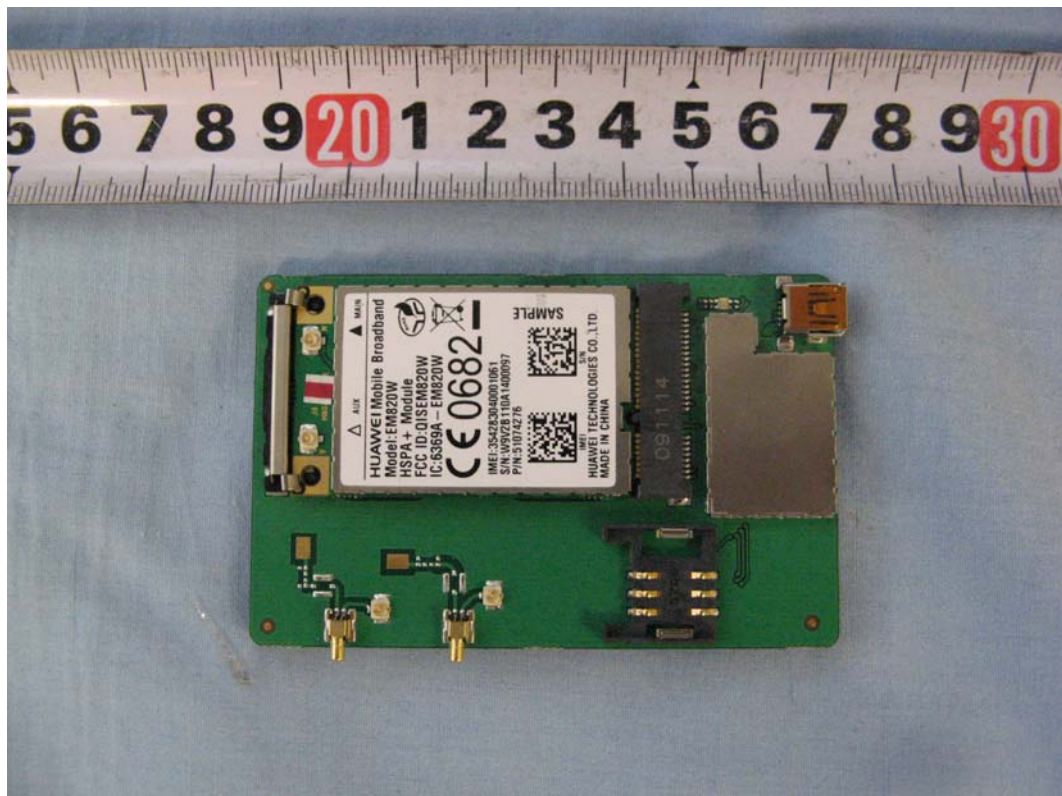
7. Measurement Uncertainty

Measurement uncertainty for all the testing in this report are within the limit specified in 3GPP TS 51.010-1 Annex 5 for GSM and 3GPP TS 34.121-1 Annex F for WCDMA. The detailed measurement uncertainty is defined in TMC documents.

ANNEX A: EUT photograph



Pic A-1 EUT Front View



Pic A-2 EUT Rear View

ANNEX B: PICS/PIXIT information

UTRA for 34.121-2

Designation	Description	Supported Values	Allowed Values	Comment
34121_A.1/1	FDD (DS)	yes	yes no	
34121_A.1/2	TDD 3.84 Mcps	no	yes no	
34121_A.1/3	TDD 1.28 Mcps (LCR)	no	yes no	
34121_A.1/4	GSM	yes	yes no	
34121_A.1/5	GPRS	yes	yes no	
34121_A.1/6	Void	no	yes no	
34121_A.2/1	Circuit Switched	yes	yes no	
34121_A.2/2	Packet Switched	yes	yes no	
34121_A.2/3	UE supports UE operation mode A: PS and CS simultaneously	yes	yes no	
34121_A.2a/1	Narrow band speech (AMR)	no	yes no	
34121_A.2a/2	Emergency call	no	yes no	
34121_A.3/1	Void	no	yes no	
34121_A.3/2	Void	no	yes no	
34121_A.3/3	Void	no	yes no	
34121_A.3/4	Void	no	yes no	
34121_A.4/1	Call Control	yes	yes no	
34121_A.4/2	Mobility Management	yes	yes no	
34121_A.4/3	Session Management	yes	yes no	
34121_A.4/4	GPRS Mobility Management	yes	yes no	
34121_A.4/5	Radio Resource Control	yes	yes no	
34121_A.4/6	Packet Data Convergence Protocol	no	yes no	
34121_A.4/7	Broadcast/Multicast Control	yes	yes no	
34121_A.4/8	Radio Link Control	yes	yes no	
34121_A.4/9	Medium Access Control	yes	yes no	
34121_A.4/10	Physical Layer	yes	yes no	
34121_A.5/1	UE test loop	yes	yes no	
34121_A.5/2	Support of UE test loop mode 1 with UL RLC SDU size bigger than 12160 bits (1520 octets)	yes	yes no	
34121_A.6/1	Chip rate 3,84 Mcps	yes	yes no	
34121_A.6/2	Frequency band: 1 920-1 980, 2 110-2 170 MHz	yes	yes no	Band I
34121_A.6/3	Frequency band: 1 850-1 910, 1 930-1 990 MHz	yes	yes no	Band II
34121_A.6/4	Frequency band: Other spectrum	no	yes no	
34121_A.6/5	TX-RX Freq. Sep: 190 MHz	yes	yes no	
34121_A.6/6	TX-RX Freq. Sep: 80 MHz	yes	yes no	
34121_A.6/7	TX-RX Freq. Sep: Variable	no	yes no	
34121_A.6/8	Carrier raster: 200 kHz	yes	yes no	
34121_A.6/9	UE Power Class 1 for Operation Band I (+33 dBm)	no	yes no	
34121_A.6/10	UE Power Class 2 for Operation Band I (+27 dBm)	no	yes no	
34121_A.6/11	UE Power Class 3 for Operation Band I (+24 dBm)	yes	yes no	

34121_A.6/12	UE Power Class 4 for Operation Band I (+21 dBm)	no	yes no	
34121_A.6/13	Output RF spectrum emissions	yes	yes no	Not needed!
34121_A.6/14	Frequency band: 1710-1785, 1805-1880 MHz	no	yes no	Band III
34121_A.6/15	Frequency band: 1710-1755, 2110-2155 MHz	no	yes no	Band IV
34121_A.6/16	Frequency band: 824 - 849, 869-894 MHz	yes	yes no	Band V
34121_A.6/17	Frequency band: 830-840, 875-885 MHz	no	yes no	Band VI
34121_A.6/18	Frequency band: 2500-2570, 2620-2690 MHz	no	yes no	Band VII
34121_A.6/19	Frequency band: 880-915, 925-960 MHz	yes	yes no	Band VIII
34121_A.6/20	Frequency band: 1749.9-1784.9, 1844.9-1879.9 MHz	no	yes no	Band IX
34121_A.6/21	Frequency band: 1710 - 1770, 2110 - 2170 MHz	no	yes no	Band X
34121_A.6/22	Frequency band: 1427.9 -1447.9, 1475.9 -1495.9 MHz	no	yes no	Band XI
34121_A.6/23	Frequency band: 698 - 716, 728 - 746 MHz	no	yes no	Band XII
34121_A.6/24	Frequency band: 777 - 787, 746 - 756 MHz	no	yes no	Band XIII
34121_A.6/25	Frequency band: 788 - 798, 758 - 768 MHz	no	yes no	Band XIV
34121_A.6/26	Frequency band: 830 - 845, 875 - 890 MHz	no	yes no	
34121_A.6/27	Frequency band: 1447.9 - 1462.9, 1495.9 - 1510.9 MHz	no	yes no	
34121_A.6a/1	UE Power Class 3 for Operation Band II (+24 dBm)	yes	yes no	
34121_A.6a/2	UE Power Class 3bis for Operation Band II (+23 dBm)	no	yes no	
34121_A.6a/3	UE Power Class 4 for Operation Band II (+21 dBm)	no	yes no	
34121_A.6a/4	UE Power Class 3 for Operation Band III (+24 dBm)	no	yes no	
34121_A.6a/5	UE Power Class 3bis for Operation Band III (+23 dBm)	no	yes no	
34121_A.6a/6	UE Power Class 4 for Operation Band III (+21 dBm)	no	yes no	
34121_A.6a/7	UE Power Class 3 for Operation Band IV (+24 dBm)	no	yes no	
34121_A.6a/8	UE Power Class 3bis for Operation Band I V (+23 dBm)	no	yes no	
34121_A.6a/9	UE Power Class 4 for Operation Band IV (+21 dBm)	no	yes no	
34121_A.6a/10	UE Power Class 3 for Operation Band V (+24 dBm)	yes	yes no	
34121_A.6a/11	UE Power Class 3bis for Operation Band V (+23 dBm)	no	yes no	
34121_A.6a/12	UE Power Class 4 for Operation Band V (+21 dBm)	no	yes no	
34121_A.6a/13	UE Power Class 3 for Operation Band VI (+24 dBm)	no	yes no	
34121_A.6a/14	UE Power Class 3bis for Operation Band VI (+23 dBm)	no	yes no	
34121_A.6a/15	UE Power Class 4 for Operation Band VI (+21 dBm)	no	yes no	

34121_A.6a/16	UE Power Class 3 for Operation Band VII (+24 dBm)	no	yes no	
34121_A.6a/17	UE Power Class 3bis for Operation Band VII (+23 dBm)	no	yes no	
34121_A.6a/18	UE Power Class 4 for Operation Band VII (+21 dBm)	no	yes no	
34121_A.6a/19	UE Power Class 3 for Operation Band VIII (+24 dBm)	yes	yes no	
34121_A.6a/20	UE Power Class 3bis for Operation Band VIII (+23 dBm)	no	yes no	
34121_A.6a/21	UE Power Class 4 for Operation Band VIII (+21 dBm)	no	yes no	
34121_A.6a/22	UE Power Class 3 for Operation Band IX (+24 dBm)	no	yes no	
34121_A.6a/23	UE Power Class 3bis for Operation Band IX (+23 dBm)	no	yes no	
34121_A.6a/24	UE Power Class 4 for Operation Band IX (+21 dBm)	no	yes no	
34121_A.6a/25	UE Power Class 3 for Operation Band X (+24 dBm)	no	yes no	
34121_A.6a/26	UE Power Class 3bis for Operation Band X (+23 dBm)	no	yes no	
34121_A.6a/27	UE Power Class 4 for Operation Band X (+21 dBm)	no	yes no	
34121_A.6a/28	UE Power Class 3 for Operation Band XI (+24 dBm)	no	yes no	
34121_A.6a/29	UE Power Class 3bis for Operation Band XI (+23 dBm)	no	yes no	
34121_A.6a/30	UE Power Class 4 for Operation Band XI (+21 dBm)	no	yes no	
34121_A.6a/31	UE Power Class 3 for Operation Band XII (+24 dBm)	no	yes no	
34121_A.6a/32	UE Power Class 3bis for Operation Band XII (+23 dBm)	no	yes no	
34121_A.6a/33	UE Power Class 4 for Operation Band XII (+21 dBm)	no	yes no	
34121_A.6a/34	UE Power Class 3 for Operation Band XIII (+24 dBm)	no	yes no	
34121_A.6a/35	UE Power Class 3bis for Operation Band XIII (+23 dBm)	no	yes no	
34121_A.6a/36	UE Power Class 4 for Operation Band XIII (+21 dBm)	no	yes no	
34121_A.6a/37	UE Power Class 3 for Operation Band XIV (+24 dBm)	no	yes no	
34121_A.6a/38	UE Power Class 3bis for Operation Band XIV (+23 dBm)	no	yes no	
34121_A.6a/39	UE Power Class 4 for Operation Band XIV (+21 dBm)	no	yes no	

34121_A.6a/40	UE Power Class 3 for Operation Band XIX (+24 dBm)	no	yes no	
34121_A.6a/41	UE Power Class 3bis for Operation Band XIX (+23 dBm)	no	yes no	
34121_A.6a/42	UE Power Class 4 for Operation Band XIX (+21 dBm)	no	yes no	
34121_A.6a/43	UE Power Class 3 for Operation Band XXI (+24 dBm)	no	yes no	
34121_A.6a/44	UE Power Class 3bis for Operation Band XXI (+23 dBm)	no	yes no	
34121_A.6a/45	UE Power Class 4 for Operation Band XXI (+21 dBm)	no	yes no	
34121_A.7/1	Support of turbo decoding	yes	yes no	
34121_A.7/2	Support of turbo encoding	yes	yes no	
34121_A.7/3	Support for SF 512 (downlink)	no	yes no	
34121_A.7/4	Support of PDSCH	no	yes no	
34121_A.7/5	Simultaneous reception of SCCPCH and DPCH	no	yes no	
34121_A.7/6	Simultaneous reception of SCCPCH, DPCH and PDSCH	no	yes no	
34121_A.7/7	Support of PCPCH	no	yes no	
34121_A.7/8	Support of uplink compressed mode only	no	yes no	
34121_A.7/9	Support of downlink compressed mode only	no	yes no	
34121_A.7/10	Support of uplink and downlink compressed mode	yes	yes no	
34121_A.7/11	Void	no	yes no	
34121_A.7/12	Void	no	yes no	
34121_A.7/13	Void	no	yes no	
34121_A.7/14	Support of HS-PDSCH	yes	yes no	
34121_A.7/15	Support of E-DPDCH	yes	yes no	
34121_A.7/16	Support of MBMS	no	yes no	
34121_A.7/17	Support of HS-SCCHless HS-DSCH	no	yes no	
34121_A.7/18	Support of F-DPCH	no	yes no	
34121_A.7/19	Support of DPCH Discontinuous Transmission	no	yes no	
34121_A.7/20	Support of Target Cell Pre-Configuration	no	yes no	
34121_A.7/21	Support of HS-PDSCH in CELL_FACH	no	yes no	
34121_A.8/1	Category 1	no	yes no	
34121_A.8/2	Category 2	no	yes no	

34121_A.8/3	Category 3	no	yes no	
34121_A.8/4	Category 4	no	yes no	
34121_A.8/5	Category 5	no	yes no	
34121_A.8/6	Category 6	yes	yes no	
34121_A.8/7	Category 7	no	yes no	
34121_A.8/8	Category 8	yes	yes no	
34121_A.8/9	Category 9	no	yes no	
34121_A.8/10	Category 10	yes	yes no	
34121_A.8/11	Category 11	no	yes no	
34121_A.8/12	Category 12	yes	yes no	
34121_A.8/13	Category 13	no	yes no	
34121_A.8/14	Category 14	yes	yes no	
34121_A.8/15	Category 15	no	yes no	
34121_A.8/16	Category 16	no	yes no	
34121_A.8/17	Category 17	no	yes no	
34121_A.8/18	Category 18	no	yes no	
34121_A.8/19	Category 19	no	yes no	
34121_A.8/20	Category 20	no	yes no	
34121_A.8/21	Category 21	no	yes no	
34121_A.8/22	Category 22	no	yes no	
34121_A.8/23	Category 23	no	yes no	
34121_A.8/24	Category 24	no	yes no	
34121_A.9/1	Category 1	no	yes no	
34121_A.9/2	Category 2	no	yes no	
34121_A.9/3	Category 3	no	yes no	
34121_A.9/4	Category 4	no	yes no	
34121_A.9/5	Category 5	yes	yes no	
34121_A.9/6	Category 6	yes	yes no	
34121_A.9/7	Category 7	no	yes no	
34121_A.10/1	Up-link reference measurement channel 12.2 kbps (FDD)	yes	yes no	Mandatory for all terminals
34121_A.10/2	Down-link reference measurement channel 12.2 kbps (FDD)	yes	yes no	Mandatory for all terminals

34121_A.10/3	Up-link reference measurement channel 64 kbps (FDD)	yes	yes no	
34121_A.10/4	Down-link reference measurement channel 64 kbps (FDD)	yes	yes no	
34121_A.10/5	Up-link reference measurement channel 144 kbps (FDD)	yes	yes no	
34121_A.10/6	Down-link reference measurement channel 144 kbps (FDD)	yes	yes no	
34121_A.10/7	Up-link reference measurement channel 384 kbps (FDD)	yes	yes no	
34121_A.10/8	Down-link reference measurement channel 384 kbps (FDD)	yes	yes no	
34121_A.10/9	Up-link reference measurement channel 768 kbps (FDD)	no	yes no	
34121_A.10/10	Down-link reference measurement channel 2 64 kbps (FDD)	yes	yes no	
34121_A.11/1	Enhanced performance requirements type 1	yes	yes no	This type of UE has to execute also the tests for normal HSDPA UEs.
34121_A.11/2	Enhanced performance requirements type 2	yes	yes no	This type of UE has to execute also the tests for normal HSDPA UEs.
34121_A.11/3	Enhanced performance requirements type 3	yes	yes no	This type of UE has to execute also the tests for normal HSDPA UEs.
34121_A.11/4	Enhanced performance requirements type 1 for E-DCH	yes	yes no	This type of UE has to execute also the tests for normal E-DCH UEs.
34121_A.11/5	Enhanced performance requirements type 1 for MBMS	no	yes no	
34121_A.11/6	Enhanced performance requirements Type 3i	yes	yes no	This type of UE has to execute also the tests for normal HSDPA UEs.
34121_A.12/1	UE without vibration sensitive components	no	yes no	

ANNEX C: Detailed Test Results

Annex C.1 Main Terms

Testcases	Testcase identification number and description in 3GPP test specification and GCF and/or NAPRD03.
Category	The category of testcase in the given frequency band as specified in the GCF-CC and/or NAPRD03 documents.
Verdict	Verdict of each testcase.

Annex C.2 Terms used in Condition column

NTC	Nominal voltage, Normal Temperature
HV	High voltage, Normal Temperature
LV	Low voltage, Normal Temperature
HTHV	high voltage, High Temperature
LTHV	high voltage, Low Temperature
HTLV	Low voltage, High Temperature
LTLV	Low voltage, Low Temperature
Vib	Vibration

Annex C.3 Terms used in Verdict column

Pass	This testcase has been tested, and EUT is conformant to the applied standards in the given frequency band.
Fail	This testcase has been tested, but EUT is not conformant to the applied standards in the given frequency band.
N/A	This test case is either not required/not applicable in the specified band or is not applicable according to the specific PICS/PIXIT for the EUT.
Inc	Test case result is ambiguous in the given frequency band.
Decl	Declaration is received from the client to demonstrate the conformity to the relevant specification in the given frequency band.
BR	This testcase is not tested in the given frequency band, but this testcase was tested with pass result for the initial model in the given frequency band.
FDDI	This test case is not performed in the given frequency band, instead of in GSM900 band. The result for this testcase is given in FDDI column.

Annex C.4 Terms used in Note column

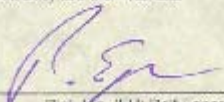
EUT ID	EUT ID (e.g N01, N02.....) is used to identify the EUT tested used for each testcase as specified in section 3 of this test report.
Lab Code	Lab code is used to identify the subcontracted lab if this testcase is performed in the subcontracted lab.

Subcontracted test lab code
No subcontracted test lab code used.

Annex C.5 Testcases list

Item	Testcase description	Test Condition	Category			Test Specification	Test Band	FDD I result		FDD II result		FDD V result	
			FDD I	FDD II	FDD V			Verdict	EUT	Verdict	EUT	Verdict	EUT
6.3B	Maximum Input Level for HS-PDSCH Reception (64QAM)	NTC	A	A	A	TS 34.121	All	Pass	N01	Pass	N01	Pass	N01
9.2.1H	Single Link Performance - Enhanced Performance Requirements Type 2 - 64QAM, Fixed Reference Channel (FRC) H-Set 8	NTC	A	P	A	TS 34.121	All	Pass	N01	N/A	---	Pass	N01
9.2.1I	Single Link Performance - Enhanced Performance Requirements Type 3 - 64QAM, Fixed Reference Channel (FRC) H-Set 8	NTC	A	P	P	TS 34.121	All	Pass	N01	N/A	---	N/A	---
9.3.1A	Reporting of Channel Quality Indicator - Single Link Performance - AWGN Propagation Conditions, 64QAM	NTC	A	P	P	TS 34.121	All	Pass	N01	N/A	---	N/A	---

ANNEX D: Accreditation Certificate

Deutsche Gesellschaft für Akkreditierung mbH		Deutsche Gesellschaft für Akkreditierung mbH
Signatory to the Multilateral Agreements of EA and ILAC for mutual recognition		
represented in the		
Deutscher Akkreditierung Rat		
		
Akkreditation		
The DGA Deutsche Gesellschaft für Akkreditierung mbH herewith confirms that the testing laboratory		
Telecommunication Metrology Center (TMC) of the Ministry of Industry and Information Technology (M.I.I.T) No. 52 Huayuan Bei Road, Haidian District Beijing 100191 P.R. China		
is competent under the terms of DIN EN ISO/IEC 17025 to carry out tests in the fields of		
Mobile Communication (3G, 2G, UMTS, GSM 850/900/1800/1900), Over-the Air (OTA) Performance, Radio incl. WLAN, Short Range Devices (SRD), RFID, Wi-Fi, WiMax and Bluetooth, Electromagnetic Compatibility (EMC), Specific Absorption Rate (SAR), Hearing Aid Compatibility (HAC) and Safety of Electrical Appliances		
The annex forms part of the certificate and comprises 16 pages.		
The accreditation is valid from 2009-12-22 to 2014-12-21 .		
DAR registration number: DGA-PL-114/01-02		
Frankfurt, 2009-12-22		
 Dipl.-Ing. (FH) Ralf Egnor Head of the Department Electrical Engineering/IT		
Member in EA, ILAC, IAF		
Translation for information purposes only. The German Accreditation Certificate is authoritative.		See notes overleaf

*****END OF REPORT*****