



FCC RF Test Report

APPLICANT : Fibocom Wireless Inc
EQUIPMENT : LTE module
BRAND NAME : Fibocom
MODEL NAME : NL668-AM-00
FCC ID : ZMONL668AM00
STANDARD : 47 CFR Part 22(H), 24(E), 27(L)
CLASSIFICATION : PCS Licensed Transmitter (PCB)
TEST DATE(S) : Jan. 10, 2025 ~ Jan. 14, 2025

We, Sporton International Inc. (Shenzhen), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Shenzhen), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia



Sporton International Inc. (ShenZhen)

1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055
People's Republic of China



TABLE OF CONTENTS

REVISION HISTORY	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Applicant.....	5
1.2 Manufacturer	5
1.3 Product Feature of Equipment Under Test	5
1.4 Product Specification of Equipment Under Test	6
1.5 Modification of EUT	6
1.6 Maximum Conducted power.....	6
1.7 Testing Location	7
1.8 Test Software	7
1.9 Applicable Standards	7
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST	8
2.1 Test Mode.....	8
2.2 Connection Diagram of Test System	8
2.3 Support Unit used in test configuration	9
2.4 Frequency List of Low/Middle/High Channels.....	9
3 CONDUCTED TEST RESULT.....	10
3.1 Measuring Instruments.....	10
3.2 Test Setup	10
3.3 Test Result of Conducted Test.....	10
3.4 Conducted Output Power and ERP/EIRP	11
4 RADIATED TEST ITEMS	12
4.1 Measuring Instruments.....	12
4.2 Test Setup	12
4.3 Test Result of Radiated Test.....	13
4.4 Field Strength of Spurious Radiation Measurement	14
5 LIST OF MEASURING EQUIPMENT	15
6 MEASUREMENT UNCERTAINTY	16
APPENDIX A. TEST RESULTS OF CONDUCTED TEST	
APPENDIX B. TEST RESULTS OF RADIATED TEST	
APPENDIX C. TEST SETUP PHOTOGRAPHS	



REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG4D2309A	Rev. 01	Initial issue of report	Jan. 21, 2025

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	PASS	-
	§22.913(a)(5)	Effective Radiated Power	< 7 Watts		-
	§24.232(c)	Equivalent Isotropic Radiated Power	< 2 Watts		-
	§27.50(d)(4)	Equivalent Isotropic Radiated Power	< 1 Watts		-
4.4	§2.1053; §22.917(a); §24.238(a); §27.53(h)	Field Strength of Spurious Radiation	$< 43 + 10 \log_{10}(P[\text{Watts}])$	PASS	Under limit 34.38 dB at 3465.200 MHz

Note: This is a variant report. The change note could be referred to the Product Equality Declaration which is exhibit separately. According to the differences, only the related test cases of power/ERP/EIRP and RSE from original test report (Sporton Report Number FG8O1914A) were verified for the differences.

Conformity Assessment Condition:	
1.	The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2.	The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty"
Disclaimer:	
The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.	



1 General Description

1.1 Applicant

Fibocom Wireless Inc

1101, Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan, Shenzhen, China

1.2 Manufacturer

Fibocom Wireless Inc

1101, Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan, Shenzhen, China

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	LTE module
Brand Name	Fibocom
Model Name	NL668-AM-00
FCC ID	ZMONL668AM00
IMEI Code	Conducted/Radiation: 868862040630356
HW Version	V1.0.1
SW Version	19011.1000.00.02.79.08
EUT Stage	Production Unit

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

Antenna Gain (dBi)					
Frequency Band	Ant.1	Ant.2	Ant.3	Ant.4	Ant.5
WCDMA Band II	6.2	5.9	5.1	2.55	1.45
WCDMA Band IV	4.7	5.1	3.7	2.78	1.45
WCDMA Band V	1.3	4.1	3.5	2.02	0.36
Antenna Type	PCB	PCB	PCB	FPC	FPC

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	WCDMA: Band V: 824 MHz ~ 849 MHz Band II: 1850 MHz ~ 1910 MHz Band IV: 1710 MHz ~ 1755 MHz
Rx Frequency	WCDMA: Band V: 869 MHz ~ 894 MHz Band II: 1930 MHz ~ 1990 MHz Band IV: 2110 MHz ~ 2155 MHz
Maximum Output Power to Antenna	WCDMA: Band V: 23.11 dBm Band II: 23.81 dBm Band IV: 23.63 dBm
Type of Modulation	WCDMA: BPSK (Uplink) HSDPA/DC-HSDPA: QPSK (Uplink) HSUPA: QPSK (Uplink) HSPA+ : 16QAM(Uplink is not supported) DC-HSDPA : 64QAM

Note: The maximum ERP/EIRP is calculated from max output power and max antenna gain, only the maximum ERP/EIRP of Ant.1 for WCDMA Band II and Ant.2 for WCDMA Band V/IV are shown in the report.

1.5 Modification of EUT

No modifications are made to the EUT during all test items.

1.6 Maximum Conducted power

FCC Rule	Frequency Band	Frequency Range (MHz)	Type of Modulation	Maximum Conducted power (W)
Part 22	WCDMA Band V	826.4 ~ 846.6	BPSK	0.2047
Part 24	WCDMA Band II	1852.4 ~ 1907.6	BPSK	0.2404
Part 27	WCDMA Band IV	1712.4 ~ 1752.6	BPSK	0.2307

1.7 Testing Location

Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-SZ	CN1256	421272

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH02-SZ	CN1256	421272

1.8 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH02-SZ	AUDIX	E3	6.2009-8-24a

1.9 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR Part 22(H), 24(E), 27(L)
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items were performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

Radiated measurements were performed with rotating EUT in different three orthogonal test planes to find the maximum emission.(Z Plane)

Radiated emissions were investigated as following frequency range:

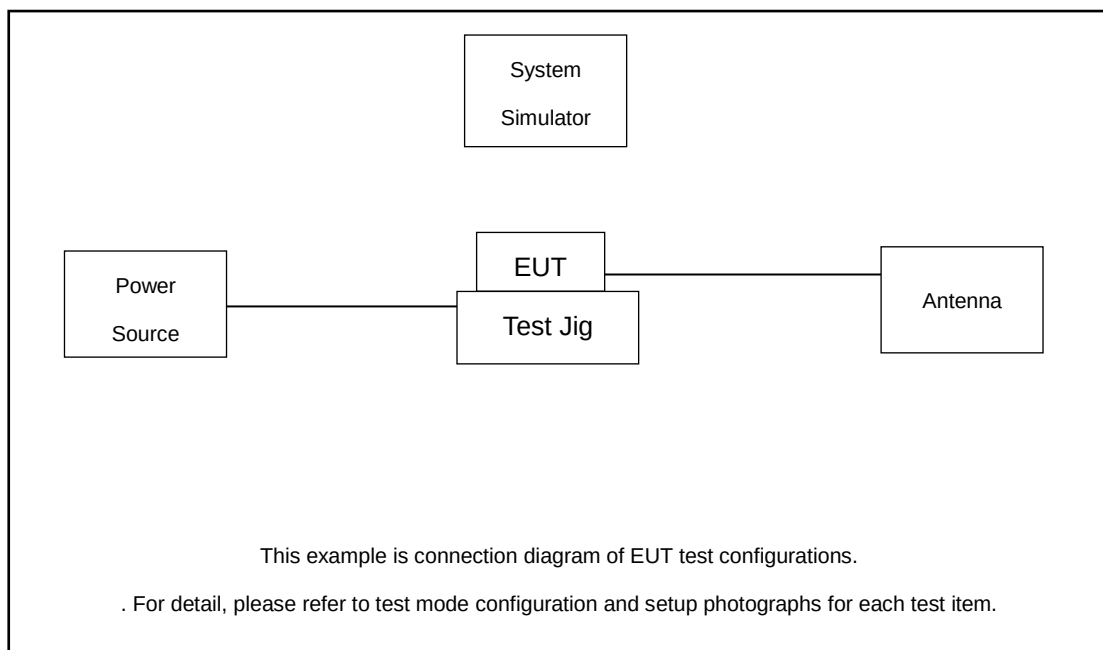
1. 30 MHz to 9000 MHz for WCDMA Band V.
2. 30 MHz to 18000 MHz for WCDMA Band IV.
3. 30 MHz to 19100 MHz for WCDMA Band II.

All modes and data rates and positions were investigated.

Test modes are chosen to be reported as the worst case configuration below:

Test Modes		
Band	Radiated TCs	Conducted TCs
WCDMA Band V	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link
WCDMA Band II	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link
WCDMA Band IV	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link

2.2 Connection Diagram of Test System



The EUT has been configuration operated in a manner tended to maximize its emission characteristics in a typical application.



2.3 Support Unit used in test configuration

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
2.	Test Jig	N/A	N/A	N/A	N/A	N/A
3.	Adapter	N/A	N/A	N/A	N/A	N/A
4.	Antenna	N/A	N/A	N/A	N/A	N/A

2.4 Frequency List of Low/Middle/High Channels

Frequency List				
Band	Channel/Frequency(MHz)	Lowest	Middle	Highest
WCDMA Band V	Channel	4132	4182	4233
	Frequency	826.4	836.4	846.6
WCDMA Band II	Channel	9262	9400	9538
	Frequency	1852.4	1880.0	1907.6
WCDMA Band IV	Channel	1312	1413	1513
	Frequency	1712.4	1732.6	1752.6

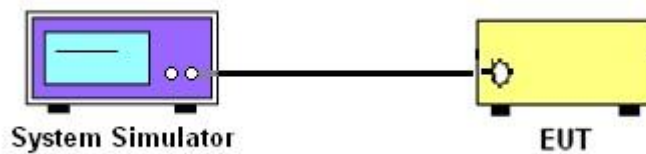
3 Conducted Test Result

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.2 Test Setup

3.2.1 Conducted Output Power



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power and ERP/EIRP

3.4.1 Description of the Conducted Output Power and ERP/EIRP

A system simulator was used to establish communication with the EUT. Its parameters were set to enforce EUT transmitting at the maximum power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for WCDMA Band V.

The EIRP of mobile transmitters must not exceed 2 Watts for WCDMA Band II.

The EIRP of mobile transmitters must not exceed 1 Watts for WCDMA Band IV.

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.

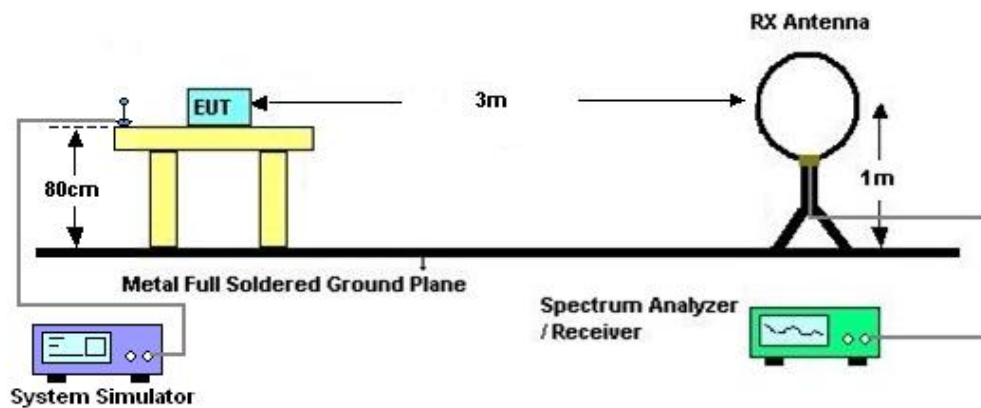
4 Radiated Test Items

4.1 Measuring Instruments

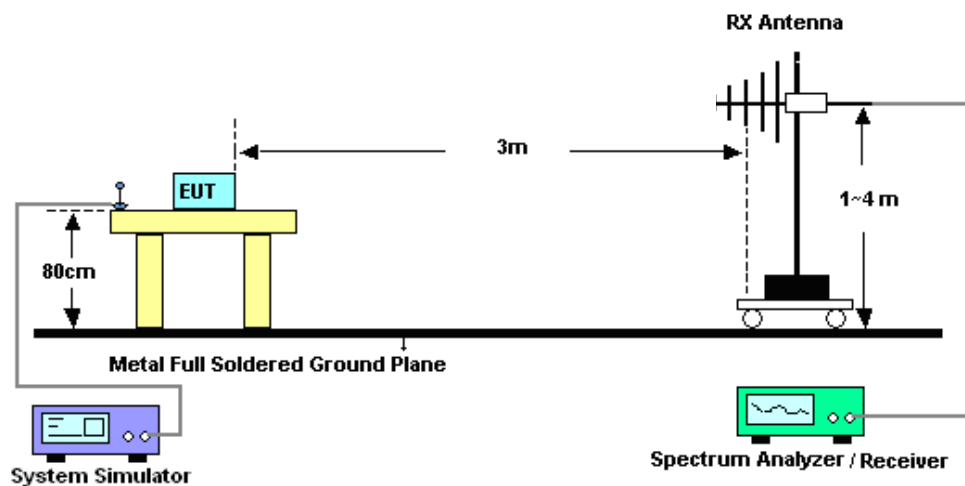
See list of measuring instruments of this test report.

4.2 Test Setup

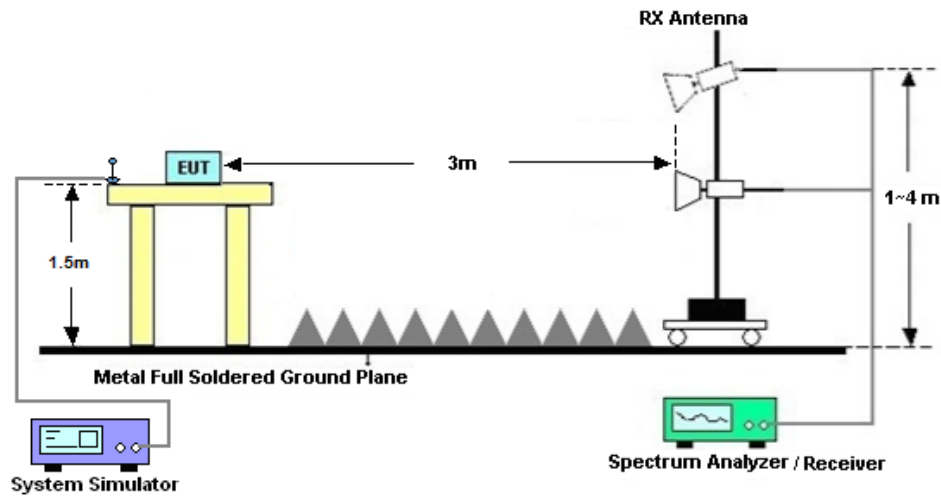
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

Please refer to Appendix B.

4.4 Field Strength of Spurious Radiation Measurement

4.4.1 Description of Field Strength of Spurious Radiated Measurement

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a rotatable wooden table 0.8 meters for frequency below 1GHz and 1.5 meter for frequency above 1GHz above the ground.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between one meter and four meters to search for the maximum spurious emission for both horizontal and vertical polarizations.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
9. Taking the record of output power at antenna port.
10. Repeat step 7 to step 8 for another polarization.
11. $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
12. $ERP \text{ (dBm)} = EIRP - 2.15$
13. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
14. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 09, 2024	Jan. 14, 2025	Apr. 08, 2025	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V, 3A	Oct. 15, 2024	Jan. 14, 2025	Oct. 14, 2025	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 24, 2024	Jan. 14, 2025	Dec. 23, 2025	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 03, 2024	Jan. 14, 2025	Jul. 02, 2025	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2024	Jan. 10, 2025	Jul. 02, 2025	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Oct. 24, 2023	Jan. 10, 2025	Oct. 23, 2025	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2024	Jan. 10, 2025	Jul. 04, 2025	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 03, 2024	Jan. 10, 2025	Jul. 03, 2025	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 09, 2024	Jan. 10, 2025	Apr. 08, 2025	Radiation (03CH02-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01~3000Mhz	Oct. 18, 2024	Jan. 10, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 14, 2024	Jan. 10, 2025	Oct. 13, 2025	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	61601000304 3	N/A	Oct. 18, 2024	Jan. 10, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Jan. 10, 2025	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Jan. 10, 2025	NCR	Radiation (03CH02-SZ)

NCR: No Calibration Required

6 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Power	± 1.34 dB

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.47 dB
---	---------

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.31 dB
---	---------

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.72 dB
---	---------

----- THE END -----



Appendix A. Test Results of Conducted Test

Test Engineer :	Nina Cheng	Temperature :	24~26°C
		Relative Humidity :	50~53%

Conducted Output Power(Average power) and ERP/EIRP

WCDMA Band V_ANT2:

Band		WCDMA V			ERP(W)		
TX Channel		4132	4182	4233			
Rx Channel		4357	4407	4458			
Frequency (MHz)		826.4	836.4	846.6	L	M	H
3GPP Rel 99	RMC 12.2Kbps	23.03	23.11	23.09	0.3148	0.3206	0.3192
3GPP Rel 6	HSDPA Subtest-1	22.03	22.06	22.15	0.2500	0.2518	0.2570
3GPP Rel 6	HSDPA Subtest-2	22.20	22.11	22.28	0.2600	0.2547	0.2649
3GPP Rel 6	HSDPA Subtest-3	21.71	21.62	21.78	0.2323	0.2275	0.2360
3GPP Rel 6	HSDPA Subtest-4	21.71	21.63	21.79	0.2323	0.2280	0.2366
3GPP Rel 8	DC-HSDPA Subtest-1	21.98	21.99	22.10	0.2472	0.2477	0.2541
3GPP Rel 8	DC-HSDPA Subtest-2	22.09	22.04	22.15	0.2535	0.2506	0.2570
3GPP Rel 8	DC-HSDPA Subtest-3	21.58	21.52	21.68	0.2254	0.2223	0.2307
3GPP Rel 8	DC-HSDPA Subtest-4	21.57	21.50	21.68	0.2249	0.2213	0.2307
3GPP Rel 6	HSUPA Subtest-1	21.96	21.56	21.54	0.2460	0.2244	0.2234
3GPP Rel 6	HSUPA Subtest-2	20.76	21.08	21.11	0.1866	0.2009	0.2023
3GPP Rel 6	HSUPA Subtest-3	20.61	20.67	20.78	0.1803	0.1828	0.1875
3GPP Rel 6	HSUPA Subtest-4	21.21	21.23	21.68	0.2070	0.2080	0.2307
3GPP Rel 6	HSUPA Subtest-5	22.00	22.00	22.20	0.2483	0.2483	0.2600



WCDMA Band II_ANT1:

Band		WCDMA II			EIRP(W)		
TX Channel		9262	9400	9538			
Rx Channel		9662	9800	9938			
Frequency (MHz)		1852.4	1880	1907.6	L	M	H
3GPP Rel 99	RMC 12.2Kbps	23.78	23.81	23.71	0.9954	1.0023	0.9795
3GPP Rel 6	HSDPA Subtest-1	22.74	22.82	22.63	0.7834	0.7980	0.7638
3GPP Rel 6	HSDPA Subtest-2	22.93	23.06	22.85	0.8185	0.8433	0.8035
3GPP Rel 6	HSDPA Subtest-3	22.43	22.46	22.40	0.7295	0.7345	0.7244
3GPP Rel 6	HSDPA Subtest-4	22.43	22.47	22.41	0.7295	0.7362	0.7261
3GPP Rel 8	DC-HSDPA Subtest-1	22.68	22.71	22.61	0.7727	0.7780	0.7603
3GPP Rel 8	DC-HSDPA Subtest-2	22.85	22.95	22.71	0.8035	0.8222	0.7780
3GPP Rel 8	DC-HSDPA Subtest-3	22.30	22.39	22.32	0.7079	0.7228	0.7112
3GPP Rel 8	DC-HSDPA Subtest-4	22.37	22.33	22.35	0.7194	0.7129	0.7161
3GPP Rel 6	HSUPA Subtest-1	22.74	22.36	22.33	0.7834	0.7178	0.7129
3GPP Rel 6	HSUPA Subtest-2	21.55	21.80	21.78	0.5957	0.6310	0.6281
3GPP Rel 6	HSUPA Subtest-3	21.42	21.45	21.33	0.5781	0.5821	0.5662
3GPP Rel 6	HSUPA Subtest-4	22.43	22.02	21.93	0.7295	0.6637	0.6501
3GPP Rel 6	HSUPA Subtest-5	22.70	22.80	22.70	0.7762	0.7943	0.7762

WCDMA Band IV_ANT2:

Band		WCDMA IV			EIRP(W)		
TX Channel		1312	1413	1513			
Rx Channel		1537	1638	1738			
Frequency (MHz)		1712.4	1732.6	1752.6	L	M	H
3GPP Rel 99	RMC 12.2Kbps	23.52	23.63	23.57	0.7278	0.7464	0.7362
3GPP Rel 6	HSDPA Subtest-1	22.50	22.77	22.56	0.5754	0.6124	0.5834
3GPP Rel 6	HSDPA Subtest-2	22.65	22.85	22.81	0.5957	0.6237	0.6180
3GPP Rel 6	HSDPA Subtest-3	22.19	22.08	22.33	0.5358	0.5224	0.5534
3GPP Rel 6	HSDPA Subtest-4	22.16	22.16	22.42	0.5321	0.5321	0.5649
3GPP Rel 8	DC-HSDPA Subtest-1	22.32	22.52	22.69	0.5521	0.5781	0.6012
3GPP Rel 8	DC-HSDPA Subtest-2	22.58	22.59	22.71	0.5861	0.5875	0.6039
3GPP Rel 8	DC-HSDPA Subtest-3	21.93	22.21	22.17	0.5047	0.5383	0.5333
3GPP Rel 8	DC-HSDPA Subtest-4	22.11	22.01	22.28	0.5260	0.5140	0.5470
3GPP Rel 6	HSUPA Subtest-1	22.43	22.35	22.80	0.5662	0.5559	0.6166
3GPP Rel 6	HSUPA Subtest-2	21.38	21.61	21.52	0.4446	0.4688	0.4592
3GPP Rel 6	HSUPA Subtest-3	21.19	21.27	21.42	0.4256	0.4335	0.4487
3GPP Rel 6	HSUPA Subtest-4	21.59	21.92	22.04	0.4667	0.5035	0.5176
3GPP Rel 6	HSUPA Subtest-5	22.46	22.59	22.75	0.5702	0.5875	0.6095



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	PingZhou Liang	Temperature :	21~25°C
		Relative Humidity :	51~53%

Note: Pre-scanned harmonic for the different antennas, we choose the worst antenna mode to test.

WCDMA Band V(RMC 12.2Kbps) Ant.1									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA. Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672.8	-61.41	-13	-48.41	-71.37	-64.66	4.00	9.40	H
	2509.2	-62.62	-13	-49.62	-77.02	-66.19	4.88	10.60	H
	3345.6	-62.67	-13	-49.67	-78.66	-67.60	5.52	12.60	H
	1672.8	-65.98	-13	-52.98	-75.39	-69.23	4.00	9.40	V
	2509.2	-63.60	-13	-50.60	-77.96	-67.17	4.88	10.60	V
	3345.6	-63.25	-13	-50.25	-78.97	-68.18	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

WCDMA Band II(RMC 12.2Kbps) Ant.1									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA. Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3760	-62.01	-13	-49.01	-80.64	-68.76	5.85	12.60	H
	5640	-56.84	-13	-43.84	-80.10	-62.64	7.30	13.10	H
	7520	-55.20	-13	-42.20	-82.01	-58.35	8.35	11.50	H
	3760	-62.08	-13	-49.08	-80.64	-68.83	5.85	12.60	V
	5640	-54.46	-13	-41.46	-76.97	-60.26	7.30	13.10	V
	7520	-55.17	-13	-42.17	-81.96	-58.32	8.35	11.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

WCDMA Band IV(RMC 12.2Kbps) Ant.1									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA. Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3465.2	-47.38	-13	-34.38	-64.28	-54.23	5.65	12.50	H
	5197.8	-58.15	-13	-45.15	-79.92	-63.82	7.13	12.80	H
	6930.4	-57.00	-13	-44.00	-82.80	-60.40	8.40	11.80	H
	3465.2	-58.90	-13	-45.90	-75.82	-65.75	5.65	12.50	V
	5197.8	-56.40	-13	-43.40	-78.48	-62.07	7.13	12.80	V
	6930.4	-56.41	-13	-43.41	-82.68	-59.81	8.40	11.80	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.