FCC RF Test Report

APPLICANT : Assured Wireless Corporation

EQUIPMENT: Cellular Wi-Fi Router

BRAND NAME : Assured Wireless

MODEL NAME : AW12Fi

FCC ID : 2A7ABAW12FI

STANDARD : 47 CFR Part 2, 22(H), 24(E), 27(L)

CLASSIFICATION : PCS Licensed Transmitter (PCB)

TEST DATE(S) : Dec. 08, 2022

This product installed a RF module (Brand Name: Assured Wireless, Model Name: AW12-HP, FCC ID: 2AUZ8AW12HP) during the test, only ERP/EIRP and RSE test items are tested in this report, all the other test results are leveraged from module RF report.

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.

JasonJia

Approved by: Jason Jia





Report No.: FG292702A

Sporton International Inc. (ShenZhen)

1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055

People's Republic of China

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2A7ABAW12FI Page Number : 1 of 15
Report Issued Date : Dec. 26, 2022
Report Version : Rev. 01

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	
1.4 Product Specification of Equipment Under Test	
1.5 Modification of EUT	
1.6 Maximum ERP/EIRP and Emission Designator	
1.7 Testing Location	
1.8 Test Software	
1.9 Applicable Standards	
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST	8
2.1 Test Mode	
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 Conducted Output Power and ERP/EIRP	10
4 RADIATED TEST ITEMS	11
4.1 Measuring Instruments	11
4.2 Test Setup	
4.3 Test Result of Radiated Test	
4.4 Field Strength of Spurious Radiation Measurement	13
5 LIST OF MEASURING EQUIPMENT	14
6 UNCERTAINTY OF EVALUATION	15
APPENDIX A. TEST RESULTS OF CONDUCTED TEST	
APPENDIX B. TEST RESULTS OF RADIATED TEST	
APPENDIX C. TEST SETUP PHOTOGRAPHS	

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2A7ABAW12FI Page Number : 2 of 15
Report Issued Date : Dec. 26, 2022
Report Version : Rev. 01

Report No.: FG292702A

REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG292702A	Rev. 01	Initial issue of report	Dec. 26, 2022

Sporton International Inc. (ShenZhen)Page NumberTEL: +86-755-8637-9589Report Issued

FAX: +86-755-8637-9595 FCC ID: 2A7ABAW12FI Page Number : 3 of 15
Report Issued Date : Dec. 26, 2022
Report Version : Rev. 01

Report Template No.: BU5-FG22/24/27 Version 2.0

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Rule Description		Result	Remark
	§2.1046	Conducted Output Power	-	Report Only	-
	§22.913(a)(5)	Effective Radiated Power	< 7 Watts	PASS	-
3.1	§24.232(c)	Equivalent Isotropic Radiated Power	< 2 Watts	PASS	-
	§27.50(d)(4)	Equivalent Isotropic Radiated Power	< 1 Watts	PASS	-
-	§24.232(d)	Peak-to-Average Ratio	< 13 dB	PASS	1
-	§2.1049	Occupied Bandwidth	Reporting Only	PASS	1
-	§2.1051 §22.917(a) §24.238(a) §27.53(h)	Band Edge Measurement	< 43+10log10(P[Watts])	PASS	1
-	§2.1051 §22.917(a) §24.238(a) §27.53(h)	Conducted Emission	< 43+10log10(P[Watts])	PASS	1
§2.1055 §22.355			< 2.5 ppm for Part 22		
-	§2.1055 §24.235 §27.54	Temperature & Voltage	Within Authorized Band	PASS	1
4.4	§2.1053; §22.917(a); §24.238(a); §27.53(h)	Field Strength of Spurious Radiation	. I > 43±1010010(PIW/affs)) I		Under limit 44.95 dB at 7520.00 MHz

Remark 1:

The conducted test items were leveraged from module RF report which can refer to Report No. FG9N0606A.

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2A7ABAW12FI Page Number : 4 of 15
Report Issued Date : Dec. 26, 2022
Report Version : Rev. 01

Report No.: FG292702A

1 General Description

1.1 Applicant

Assured Wireless Corporation

16885 W. Bernardo Dr., Suite 300, San Diego, CA 92127

1.2 Manufacturer

Assured Wireless Corporation

16885 W. Bernardo Dr., Suite 300, San Diego, CA 92127

1.3 Product Feature of Equipment Under Test

Product Feature			
Equipment	Cellular Wi-Fi Router		
Brand Name	Assured Wireless		
Model Name	AW12Fi		
FCC ID	2A7ABAW12FI		
HW Version	P2		
SW Version	CPEWT_AW12Fi_v1.0.8		
EUT Stage	Identical Prototype		

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

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification					
	WCDMA:				
Ty Fraguency	Band V:	824 MHz ~ 849 MHz			
Tx Frequency	Band II:	1850 MHz ~ 1910 MHz			
	Band IV:	1710 MHz ~ 1755 MHz			
	WCDMA:				
By Fraguency	Band V:	869 MHz ~ 894 MHz			
Rx Frequency	Band II:	1930 MHz ~ 1990 MHz			
	Band IV:	2110 MHz ~ 2155 MHz			
Antenna Type	Fixed Exter	nal Antenna			
	WCDMA:				
Maximum Output Pawar to Antonna	Band V:	23.02 dBm			
Maximum Output Power to Antenna	Band II:	23.07 dBm			
	Band IV:	23.07 dBm			
	Cellular Baı	nd: 1.0 dBi			
Antenna Gain	PCS Band: 3.0 dBi				
	AWS Band: 3.0 dBi				

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2A7ABAW12FI Page Number : 5 of 15
Report Issued Date : Dec. 26, 2022
Report Version : Rev. 01

Report No.: FG292702A

	WCDMA: BPSK (Uplink)
Type of Modulation	HSDPA: QPSK (Uplink)
	HSUPA: QPSK (Uplink)

Report No.: FG292702A

Remark: Verify that the power is less than the module power, so the module power is used when calculating ERP/EIRP in this report.

1.5 Modification of EUT

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

1.6 Maximum ERP/EIRP and Emission Designator

FCC Rule	Frequency Band	Frequency Range (MHz)	Type of Modulation	Maximum ERP/EIRP (W)	Emission Designator
Part 22	WCDMA Band V	826.4 ~ 846.6	BPSK	0.1538	4M14F9W
Part 24	WCDMA Band II	1852.4 ~ 1907.6	BPSK	0.4046	4M13F9W
Part 27	WCDMA Band IV	1712.4 ~ 1752.6	BPSK	0.4046	4M12F9W

Note: The ERP/EIRP details refer to Appendix A.

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	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103 TEL: +86-755-33202398				
Test Site No.	Sporton Site No. FCC Designation No. FCC Test Firm Registration No.				
	03CH03-SZ	CN1256	421272		

1.8 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH03-SZ	AUDIX	E3	6.2009-8-24

 Sporton International Inc. (ShenZhen)
 Page Number
 : 6 of 15

 TEL: +86-755-8637-9589
 Report Issued Date
 : Dec. 26, 2022

 FAX: +86-755-8637-9595
 Report Version
 : Rev. 01

FCC ID : 2A7ABAW12FI Report Template No.: BU5-FG22/24/27 Version 2.0

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 2, 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. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2A7ABAW12FI Page Number : 7 of 15
Report Issued Date : Dec. 26, 2022
Report Version : Rev. 01

Report Template No.: BU5-FG22/24/27 Version 2.0

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.(X Plane)

Radiated emissions were investigated as following frequency range:

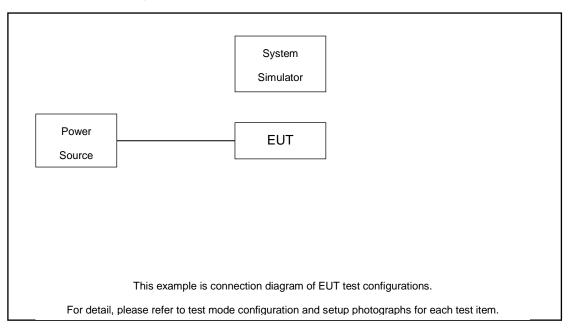
- 1. 30 MHz to 9000 MHz for WCDMA Band V.
- 2. 30 MHz to 18000 MHz for WCDMA Band IV.
- 3. 30 MHz to 19100 MHz for WCDMA Band II.

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.

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2A7ABAW12FI Page Number : 8 of 15
Report Issued Date : Dec. 26, 2022
Report Version : Rev. 01

Report No.: FG292702A

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.	WWAN 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	Channel	4132	4182	4233	
Band V	Frequency	826.4	836.4	846.6	
WCDMA	Channel	9262	9400	9538	
Band II	Frequency	1852.4	1880.0	1907.6	
WCDMA Band IV	Channel	1312	1413	1513	
	Frequency	1712.4	1732.6	1752.6	

Sporton International Inc. (ShenZhen) TEL: +86-755-8637-9589

FAX: +86-755-8637-9595 FCC ID: 2A7ABAW12FI Page Number : 9 of 15
Report Issued Date : Dec. 26, 2022
Report Version : Rev. 01

Report Template No.: BU5-FG22/24/27 Version 2.0

3 Conducted Test Result

3.1 Conducted Output Power and ERP/EIRP

3.1.1 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

3.1.2 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.

3.1.3 Test Result

Please refer to Appendix A.

Page Number : 10 of 15
Report Issued Date : Dec. 26, 2022

Report No.: FG292702A

Report Version : Rev. 01

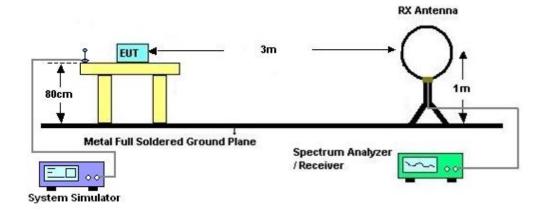
4 Radiated Test Items

4.1 Measuring Instruments

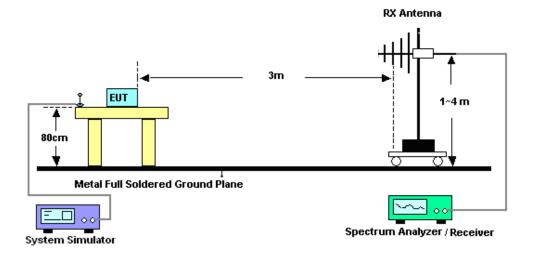
See list of measuring instruments of this test report.

4.2 Test Setup

4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz

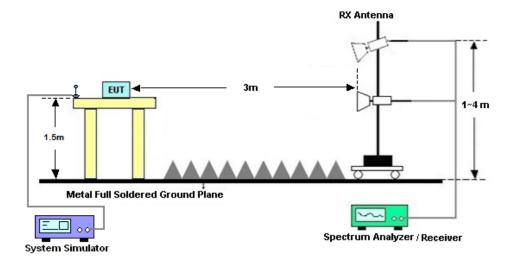


Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2A7ABAW12FI Page Number : 11 of 15
Report Issued Date : Dec. 26, 2022
Report Version : Rev. 01

Report No.: FG292702A

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.

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2A7ABAW12FI Page Number : 12 of 15
Report Issued Date : Dec. 26, 2022
Report Version : Rev. 01

Report No.: FG292702A

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 (dBm) = S.G. Power Tx Cable Loss + Tx Antenna Gain
- 12.ERP (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 + 10log(P) dB below the transmitter power P(Watts)

Sporton International Inc. (ShenZhen)
TEL: +86-755-8637-9589

FAX: +86-755-8637-9595 FCC ID: 2A7ABAW12FI Page Number : 13 of 15
Report Issued Date : Dec. 26, 2022
Report Version : Rev. 01

Report No.: FG292702A

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 06, 2022	Dec. 08, 2022	Apr. 05, 2023	Radiation (03CH03-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 28, 2022	Dec. 08, 2022	Jun. 27, 2024	Radiation (03CH03-SZ)
EXA Spectrum Anaiyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	Apr. 06, 2022	Dec. 08, 2022	Apr. 05, 2023	Radiation (03CH03-SZ
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz-2GHz	Aug. 09, 2021	Dec. 08, 2022	Aug. 08, 2023	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1355	1GHz~18GHz	Apr. 08, 2022	Dec. 08, 2022	Apr. 07, 2023	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 19, 2022	Dec. 08, 2022	Oct. 18, 2023	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 06, 2022	Dec. 08, 2022	Jul. 05, 2023	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 10, 2022	Dec. 08, 2022	Apr. 09, 2023	Radiation (03CH03-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5GHz	Dec. 27, 2021	Dec. 08, 2022	Dec. 26, 2022	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	61601000272 9	N/A	Nov. 10, 2022	Dec. 08, 2022	Nov. 09, 2023	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Dec. 08, 2022	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Dec. 08, 2022	NCR	Radiation (03CH03-SZ)

NCR: No Calibration Required

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2A7ABAW12FI Page Number : 14 of 15
Report Issued Date : Dec. 26, 2022
Report Version : Rev. 01

Report No.: FG292702A

6 Uncertainty of Evaluation

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 Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of	3 04B
Confidence of 95% (U = 2Uc(y))	3.0dB

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

Measuring Uncertainty for a Level of	2.640
Confidence of 95% (U = 2Uc(y))	3.6dB

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

Measuring Uncertainty for a Level of	3.8dB
Confidence of 95% (U = 2Uc(y))	***************************************

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

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2A7ABAW12FI Page Number : 15 of 15
Report Issued Date : Dec. 26, 2022
Report Version : Rev. 01

Report No.: FG292702A

Appendix A. Test Results of Conducted Test

ERP/EIRP

WCDMA Band V (G _T - L _C = 1.0 dB)						
Channel	4132	4182	4233			
Channel	(Low)	(Mid)	(High)			
Frequency	000.4	000.4	846.6			
(MHz)	826.4	836.4				
Conducted Power (dBm)	22.53	22.59	23.02			
Conducted Power (Watts)	0.1791	0.1816	0.2004			
ERP(dBm)	21.38	21.44	21.87			
ERP(Watts)	0.1374	0.1393	0.1538			

WCDMA Band II (G _T - L _C = 3.0 dB)							
Channel	9262	9400	9538				
Chamer	(Low)	(Mid)	(High)				
Frequency	4952.4	4890	1907.6				
(MHz)	1852.4	1880					
Conducted Power (dBm)	22.75	23.07	22.87				
Conducted Power (Watts)	0.1884	0.2028	0.1936				
EIRP(dBm)	25.75	26.07	25.87				
EIRP(Watts)	0.3758	0.4046	0.3864				

WCDMA Band IV (G _T - L _C = 3.0 dB)						
Channel	1312	1413	1513			
Channel	(Low)	(Mid)	(High)			
Frequency	4740.4	4722.6	1752.6			
(MHz)	1712.4	1732.6				
Conducted Power (dBm)	22.97	22.85	23.07			
Conducted Power (Watts)	0.1982	0.1928	0.2028			
EIRP(dBm)	25.97	25.85	26.07			
EIRP(Watts)	0.3954	0.3846	0.4046			

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2A7ABAW12FI

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	HuaCong Liang	Temperature :	22~25°C	
		Relative Humidity :	48~52%	

	WCDMA Band V(RMC 12.2Kbps)									
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)	
	1672.8	-67.15	-13	-54.15	-73.23	-70.40	4.00	9.40	Н	
	2509.2	-65.16	-13	-52.16	-75.31	-68.73	4.88	10.60	Н	
Middle	3345.6	-63.94	-13	-50.94	-75.77	-68.87	5.52	12.60	Н	
Middle	1672.8	-67.71	-13	-54.71	-73.51	-70.96	4.00	9.40	V	
	2509.2	-64.45	-13	-51.45	-74.93	-68.02	4.88	10.60	V	
	3345.6	-64.07	-13	-51.07	-76.28	-69.00	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)									
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	-63.02	-13	-50.02	-77.47	-69.77	5.85	12.60	Н	
	5640	-62.94	-13	-49.94	-79.82	-68.74	7.30	13.10	Н	
	7520	-57.95	-13	-44.95	-80.25	-61.10	8.35	11.50	Н	
	3760	-62.88	-13	-49.88	-77.51	-69.63	5.85	12.60	V	
	5640	-62.99	-13	-49.99	-79.76	-68.79	7.30	13.10	V	
	7520	-58.22	-13	-45.22	-80.4	-61.37	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)									
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)	
	3465.2	-63.76	-13	-50.76	-76.30	-70.61	5.65	12.50	Н	
	5197.8	-62.75	-13	-49.75	-79.99	-68.42	7.13	12.80	Н	
Middle	6930.4	-59.41	-13	-46.41	-79.94	-62.81	8.40	11.80	Н	
Middle	3465.2	-63.18	-13	-50.18	-76.26	-70.03	5.65	12.50	V	
	5197.8	-63.13	-13	-50.13	-80.32	-68.80	7.13	12.80	V	
	6930.4	-59.56	-13	-46.56	-80.1	-62.96	8.40	11.80	V	

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

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2A7ABAW12FI