FCC Test Report

APPLICANT : Shanghai Sunmi Science and Technology Ltd.

EQUIPMENT: Wireless data POS System

BRAND NAME : SUNMI

MODEL NAME : V1

FCC ID : 2AH25V1

STANDARD : FCC 47 CFR FCC Part 15 Subpart B

CLASSIFICATION: Certification

The product was received on Mar. 04, 2016 and testing was completed on Jun. 14, 2016. We, SPORTON INTERNATIONAL (KUNSHAN) INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI C63.4-2014 and has been in 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 (KUNSHAN) INC., the test report shall not be reproduced except in full.

Prepared by: James Huang / Manager

Approved by: Jones Tsai / Manager

SPORTON INTERNATIONAL (KUNSHAN) INC.

No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P. R. China

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AH25V1 Page Number : 1 of 24
Report Issued Date : Jun. 27, 2016
Report Version : Rev. 01

Report Template No.: BU5-FC15B Version 1.3

2627

TABLE OF CONTENTS

RE	VISIO	N HISTORY	3
SU	MMAF	RY OF TEST RESULT	4
		ERAL DESCRIPTION	5
	1.1. 1.2.	Applicant	5
	1.3. 1.4.	Product Feature of Equipment Under Test	6
	1.5. 1.6. 1.7.	Modification of EUT Test Location Applicable Standards	7
2.		CONFIGURATION OF EQUIPMENT UNDER TEST	
	2.1. 2.2.	Test Mode Connection Diagram of Test System	
	2.3.2.4.	Support Unit used in test configuration and system EUT Operation Test Setup	
3.	TEST	RESULT	13
	3.1. 3.2.	Test of AC Conducted Emission Measurement	
4.	LIST	OF MEASURING EQUIPMENT	23
5.	UNCI	ERTAINTY OF EVALUATION	24
ΑP	PEND	IX A. SETUP PHOTOGRAPHS	

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AH25V1 Page Number : 2 of 24
Report Issued Date : Jun. 27, 2016
Report Version : Rev. 01

Report Template No.: BU5-FC15B Version 1.3

REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC630406	Rev. 01	Initial issue of report	Jun. 27, 2016

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AH25V1 Page Number : 3 of 24
Report Issued Date : Jun. 27, 2016
Report Version : Rev. 01

Report Template No.: BU5-FC15B Version 1.3

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
					Under limit
3.1	15.107	AC Conducted Emission	< 15.107 limits	PASS	6.01 dB at
					0.270 MHz
					Under limit
2.2	45 400	Dadiated Emission	4.5.400 limita	DACC	3.58 dB at
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	165.810 MHz
					for Quasi-Peak

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AH25V1 Page Number : 4 of 24
Report Issued Date : Jun. 27, 2016
Report Version : Rev. 01

Report Template No.: BU5-FC15B Version 1.3

1. General Description

1.1. Applicant

Shanghai Sunmi Science and Technology Ltd.

Room 505, KIC Plaza, No.388 Song Hu Road, Yang Pu District, Shanghai, China

1.2. Manufacturer

Shanghai Longcheer Technology Co., Ltd.

Building 1, No.401, Caobao Rd., Xuhui District, Shanghai, P.R.China

1.3. Product Feature of Equipment Under Test

	Product Feature		
Equipment	Wireless data POS System		
Brand Name	SUNMI		
Model Name	V1		
FCC ID	2AH25V1		
EUT supports Radios application	GPRS/EGPRS/ WCDMA/HSPA/HSPA+(16QAM uplink is not supported)/ WLAN2.4GHz 802.11b/g/n HT20/ Bluetooth v3.0+ EDR/Bluetooth v4.0 LE		
HW Version	LWDM590D		
SW Version	LWDJ601		
IMEI	N/A		
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.

SPORTON INTERNATIONAL (KUNSHAN) INC.
TEL: 86-0512-5790-0158

FAX: 86-0512-5790-0958 FCC ID: 2AH25V1 Page Number : 5 of 24
Report Issued Date : Jun. 27, 2016
Report Version : Rev. 01

Report Template No.: BU5-FC15B Version 1.3

1.4. Product Specification of Equipment Under Test

Standards-related Product Specification					
Tx Frequency	GSM850: 824.2 MHz ~ 848.8 MHz GSM1900: 1850.2 MHz ~ 1909.8MHz WCDMA Band V: 826.4 MHz ~ 846.6 MHz WCDMA Band II: 1852.4 MHz ~ 1907.6 MHz 802.11b/g/n: 2412 MHz ~ 2462 MHz Bluetooth: 2402 MHz ~ 2480 MHz GSM850: 869.2 MHz ~ 893.8 MHz				
Rx Frequency	GSM1900: 1930.2 MHz ~ 1989.8 MHz WCDMA Band V: 871.4 MHz ~ 891.6 MHz WCDMA Band II: 1932.4 MHz ~ 1987.6 MHz 802.11b/g/n: 2412 MHz ~ 2462 MHz Bluetooth: 2402 MHz ~ 2480 MHz				
Antenna Type	WWAN : PIFA Antenna WLAN : PIFA Antenna Bluetooth : PIFA Antenna				
Type of Modulation	GPRS: GMSK EDGE(MCS 0-4): GMSK / (MCS 5-9): 8PSK WCDMA: QPSK (Uplink) HSDPA: QPSK (Uplink) HSUPA: QPSK (Uplink) HSPA+:16QAM(uplink is not supported) 802.11b: DSSS (DBPSK / DQPSK / CCK) 802.11g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM) Bluetooth LE: GFSK Bluetooth (1Mbps): GFSK Bluetooth (2Mbps): \pi /4-DQPSK Bluetooth (3Mbps): 8-DPSK				

1.5. Modification of EUT

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

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AH25V1 Page Number : 6 of 24
Report Issued Date : Jun. 27, 2016
Report Version : Rev. 01

Report Template No.: BU5-FC15B Version 1.3

1.6. Test Location

Test Site	SPORTON INTERNATIONAL (KUNSHAN) INC.				
	No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P. R. China				
Test Site Location	TEL: +86-0512-5790-0158				
	FAX: +86-0512-5790-0958				
Test Site No.	Sporton Site No.		FCC Registration No.		
Test Site NO.	CO01-KS	03CH02-KS	418269		

Note: The test site complies with ANSI C63.4 2014 requirement.

1.7. Applicable Standards

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

- FCC 47 CFR FCC Part 15 Subpart B
- ANSI C63.4-2014

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

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AH25V1 Page Number : 7 of 24
Report Issued Date : Jun. 27, 2016
Report Version : Rev. 01

Report Template No.: BU5-FC15B Version 1.3

2. Test Configuration of Equipment Under Test

2.1. Test Mode

The EUT has been associated with peripherals pursuant to ANSI C63.4-2014 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

Frequency range investigated: conduction (150 kHz to 30 MHz), radiation (30MHz to the 5th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

The following tables are showing the test modes as the worst cases and recorded in this report.

		Test Condition			
Item	EUT Configuration	EMI	EMI	EMI	
		AC	RE<1G	RE≥1G	
1.	Charging Mode (EUT with Adapter)	\boxtimes	\boxtimes	Note 1	
2.	Data application transferred mode (EUT with notebook)	\boxtimes	\boxtimes	\boxtimes	

Abbreviations:

EMI AC: AC conducted emissions

EMI RE ≥ 1G: EUT radiated emissions ≥ 1GHz

EMI RE < 1G: EUT radiated emissions < 1GHz

Note 1: Testing for this mode is not required or not the worst case.

Remark: For signal above 1GHz, the worst case was test item 2.

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AH25V1 Page Number : 8 of 24
Report Issued Date : Jun. 27, 2016
Report Version : Rev. 01

Report Template No.: BU5-FC15B Version 1.3

Test Items	EUT Configure Mode	Function Type
		Mode 1: GPRS850 Idle + Bluetooth Idle + WLAN Idle + Earphone + Adapter with Cradle + Camera <fig.1></fig.1>
		Mode 2: GPRS1900 Idle + Bluetooth Idle + WLAN Idle + Earphone + Adapter with Cradle + MPEG4 <fig.1></fig.1>
AC Conducted	1/2	Mode 3: WCDMA Band V Idle + Bluetooth Idle + WLAN Idle + Earphone + Adapter with Cradle + Print <fig.1></fig.1>
Emission	2	Mode 4: WCDMA Band II Idle + Bluetooth Idle + WLAN Idle + Earphone + Adapter with Cradle(LISN) + USB Cable (Data Link with Notebook) <fig.2></fig.2>
		Mode 5: WCDMA Band II Idle + Bluetooth Idle + WLAN Idle + Earphone + Adapter with Cradle + USB Cable (Data Link with Notebook) <fig.2></fig.2>
	1/2	Mode 1: GPRS850 Idle + Bluetooth Idle + WLAN Idle + Earphone + Adapter with Cradle + Camera <fig.1></fig.1>
Dadiated		Mode 2: GPRS1900 Idle + Bluetooth Idle + WLAN Idle + Earphone + Adapter with Cradle + MPEG4 <fig.1></fig.1>
Radiated Emissions < 1GHz		Mode 3: WCDMA Band V Idle + Bluetooth Idle + WLAN Idle + Earphone + Adapter with Cradle + Print <fig.1></fig.1>
		Mode 4: WCDMA Band II Idle + Bluetooth Idle + WLAN Idle + Earphone + Adapter with Cradle + USB Cable (Data Link with Notebook) <fig.2></fig.2>
Radiated Emissions ≥ 1GHz	2	Mode 1: WCDMA Band II Idle + Bluetooth Idle + WLAN Idle + Earphone + Adapter with Cradle + USB Cable (Data Link with Notebook) <fig.2></fig.2>

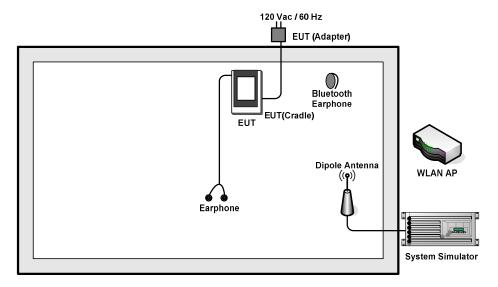
Remark:

- The worst case of AC is mode 4; and USB Link mode of AC is mode 5, only the test data of those modes were reported.
- 2. The worst case of RE < 1G is mode 4; only the test data of this mode was reported.
- 3. Data Link with notebook means data application transferred mode between EUT and notebook.

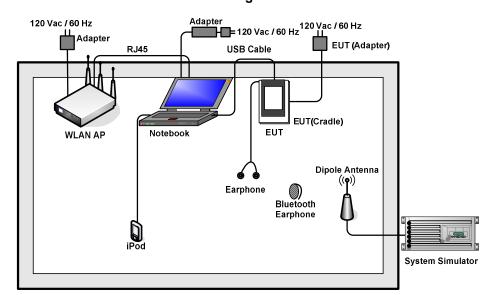
TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AH25V1 Page Number : 9 of 24
Report Issued Date : Jun. 27, 2016
Report Version : Rev. 01

Report Template No.: BU5-FC15B Version 1.3

2.2. Connection Diagram of Test System



<Fig.1>



<Fig.2>

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AH25V1 Page Number : 10 of 24
Report Issued Date : Jun. 27, 2016
Report Version : Rev. 01

Report Template No.: BU5-FC15B Version 1.3

2.3. Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritus	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	WLAN AP	D-Link	DIR-855	KA2DIR855A2	N/A	Unshielded, 1.8 m
3.	WLAN AP	LINKSYS	WRT600N	Q87-WRT600NV11	N/A	Unshielded, 1.8 m
4.	Notebook	Lenovo	G480	N/A	N/A	AC I/P: Unshielded, 0.9 m DC O/P: Shielded, 1.8 m
5.	Notebook	Dell	Latitude3440	N/A	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
6.	Bluetooth Earphone	Nokia	BH-106	QTLBH-106	Unshielded,0.5 m	N/A
7.	Bluetooth Earphone	Lenovo	LBH301	N/A	N/A	N/A
8.	SD Card	SanDisk	Uitra	FCC DoC	N/A	N/A
9.	iPod	Apple	A1199	FCC DoC	Shielded, 1.0 m	N/A
10.	Earphone	Lenovo	LH102	N/A	Unshielded,1.2m	N/A
11.	Earphone	Lenovo	SH100	N/A	Unshielded, 1.2m	N/A
12.	USB Cable	мото	N/A	N/A	shielded, 1.8m	N/A

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AH25V1 Page Number : 11 of 24
Report Issued Date : Jun. 27, 2016
Report Version : Rev. 01

Report Template No.: BU5-FC15B Version 1.3

2.4. EUT Operation Test Setup

The EUT was in GPRS or WCDMA idle mode during the testing. The EUT was synchronized to the BCCH, and is in continuous receiving mode by setting system simulator's paging reorganization.

At the same time, the EUT was attached to the Bluetooth earphone or WLAN AP, and the following programs installed in the EUT were programmed during the test.

- 1. Data application is transferred between Notebook and EUT via USB cable.
- 2. Execute "Video Player" to play MPEG4 files.
- 3. Turn on camera to capture images.
- 4. EUT executed print function.

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AH25V1 Page Number : 12 of 24
Report Issued Date : Jun. 27, 2016
Report Version : Rev. 01

Report Template No.: BU5-FC15B Version 1.3

3. Test Result

3.1. Test of AC Conducted Emission Measurement

3.1.1 Limits of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission	Conducted	limit (dBuV)
(MHz)	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

^{*}Decreases with the logarithm of the frequency.

3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedure

- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- 2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connecting to the other LISN.
- 4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- 5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
- 6. Both sides of AC line were checked for maximum conducted interference.
- 7. The frequency range from 150 kHz to 30 MHz was searched.
- 8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AH25V1 Page Number : 13 of 24
Report Issued Date : Jun. 27, 2016
Report Version : Rev. 01

Report No.: FC630406

Report Template No.: BU5-FC15B Version 1.3

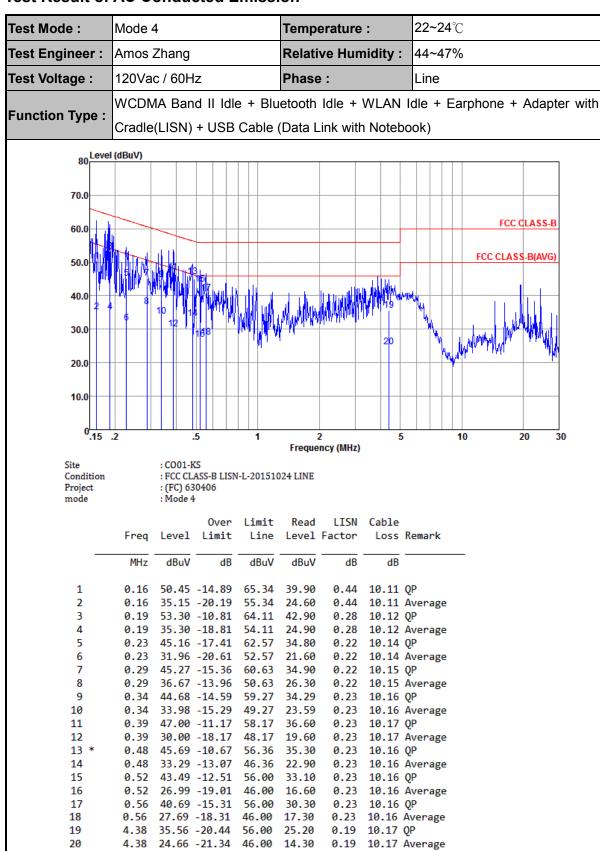
3.1.4 Test Setup



TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AH25V1 Page Number : 14 of 24
Report Issued Date : Jun. 27, 2016
Report Version : Rev. 01

Report Template No.: BU5-FC15B Version 1.3

3.1.5 Test Result of AC Conducted Emission



SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AH25V1 Page Number : 15 of 24
Report Issued Date : Jun. 27, 2016
Report Version : Rev. 01

Report Template No.: BU5-FC15B Version 1.3

Test Mode :	Mode 4		Temp	Temperature :		22~24 ℃	
Test Engineer :	Amos Zhang		Rela	Relative Humidity :		7%	
Test Voltage :	120Vac / 60	0Hz	Phas	e:	Neut	ral	
	WCDMA B	and II Idle	+ Bluetootl	ı Idle + WLAi	ldle +	Earphone + Adapter with	
Function Type :	Cradle(LIS	N) + USB C	able (Data	Link with Note	book)		
80 Level	(dBuV)						
70.0							
60.0						FCC CLASS-B	
50.0						FCC CLASS-B(AVG)	
50.0		114		Ind.	APPIN APPIN		
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0.15	.2	.5	1 Frequ	2 Jency (MHz)	5	10 20 30	
Site)1-KS					
Condition Project	: (FC	CLASS-B LISN-N) 630406	-20151024 NEU	TRAL			
mode	: Mod		_imit Read	d LISN Cable			
	Freq Leve	el Limit			e Remark		
_	MHz dBı	uV dB	dBuV dBu\	dB dl	3		
1	0.17 56.	22 -8.90 6	55.12 45.80	0.30 10.1	2 OP		
2 3	0.17 44.9	92 -10.20 5	55.12 34.50	0.30 10.1	2 Average	2	
	0.19 55.	53 -8.67 6			-		
4	0.19 42.	63 -11.57 5	4.20 32.20	0.31 10.1	Average	2	
5	0.25 52.	35 -9.56 6	51.91 41.90	0.31 10.14	1 QP		
5 6	0.25 52.3 0.25 39.3	35 -9.56 6 35 -12.56 5	51.91 41.96 51.91 28.96	0.31 10.14 0.31 10.14	l QP l Average		
5	0.25 52.3 0.25 39.3 0.27 55.0	35 -9.56 6 35 -12.56 5 06 -6.01 6	51.91 41.96 51.91 28.96 51.07 44.61	0 0.31 10.14 0 0.31 10.14 1 0.31 10.14	l QP l Average	2	
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5 6 7 * 8 9 10	0.25 52 0.25 39 0.27 55.0 0.27 42 0.29 52 0.29 40 0.34 48.0 0.34 36.0	35 -9.56 6 35 -12.56 5 96 -6.91 6 76 -8.31 5 36 -8.23 6 36 -10.23 5 97 -11.24 5 97 -13.24 4	51.91 41.96 51.91 28.96 51.07 44.61 51.07 32.31 50.59 41.96 50.59 29.96 59.31 37.55 19.31 25.55	0 0.31 10.14 0 0.31 10.14 1 0.31 10.14 1 0.31 10.14 0 0.31 10.15 0 0.31 10.15 0 0.32 10.16 0 0.32 10.16	QP Average QP Average QP Average QP Average QP Average	2	
5 6 7 * 8 9 10 11 12 13 14	0.25 52 0.25 39 0.27 55.0 0.27 42 0.29 52 0.29 40 0.34 48.0 0.34 36.0 0.37 45	35 -9.56 6 35 -12.56 5 36 -6.01 6 76 -8.31 5 36 -8.23 6 36 -10.23 5 37 -11.24 5	51.91 41.96 51.91 28.96 51.07 44.61 51.07 32.31 50.59 41.96 50.59 29.96 59.31 37.55 19.31 25.55 58.61 34.96	0 0.31 10.14 0 0.31 10.14 1 0.31 10.14 1 0.31 10.14 0 0.31 10.15 0 0.31 10.15 0 0.32 10.16 0 0.32 10.16	QP Average QP Average QP Average QP Average QP Average QP Average		
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5 6 7 * 8 9 10 11 12 13 14 15 16	0.25 52 0.25 39 0.27 55.0 0.27 42 0.29 52 0.34 48.0 0.34 36.0 0.37 45 0.37 33 0.47 45 0.47 31 0.52 43	35 -9.56 6 35 -12.56 5 86 -6.01 6 76 -8.31 5 36 -8.23 6 36 -10.23 5 87 -11.24 5 87 -13.24 4 38 -13.23 5 78 -14.83 4 558 -10.87 5 778 -14.67 4 39 -12.61 5	51.91 41.96 51.91 28.96 51.07 44.61 51.07 32.31 50.59 41.96 50.59 29.96 59.31 37.55 58.61 34.96 58.61 23.36 56.45 35.16 56.45 21.36 56.00 32.91	0 0.31 10.14 0 0.31 10.14 1 0.31 10.14 1 0.31 10.15 0 0.31 10.15 0 0.31 10.15 0 0.32 10.16 0 0.32 10.16	QP Average QP		
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TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AH25V1 Page Number : 16 of 24
Report Issued Date : Jun. 27, 2016
Report Version : Rev. 01

Report Template No.: BU5-FC15B Version 1.3

22~24°C Test Mode: Mode 5 Temperature: Test Engineer: Amos Zhang **Relative Humidity:** 44~47% 120Vac / 60Hz Phase: Test Voltage: Line WCDMA Band II Idle + Bluetooth Idle + WLAN Idle + Earphone + Adapter with Function Type: Cradle + USB Cable (Data Link with Notebook) 80 Level (dBuV) 70.0 FCC CLASS-B 60.0 FCC CLASS-B(AVG) 50.0 40.0 30.0 20.0 10.0 0.15 2 5 20 30 Frequency (MHz) Site : CO01-KS Condition : FCC CLASS-B LISN-L-20151024 LINE Project : (FC) 630406 mode : Mode 5 Over Limit Read LISN Cable Freq Level Limit line Level Factor Loss Remark dBuV dB MHz dBuV dB dBuV dB 44.74 -20.42 65.16 34.20 1 0.17 0.42 10.12 QP 2 0.17 36.14 -19.02 55.16 25.60 0.42 10.12 Average 3 0.19 45.01 -19.14 64.15 34.60 0.29 10.12 QP 0.29 0.19 37.71 -16.44 54.15 27.30 10.12 Average 4 39.56 -22.61 62.17 29.20 0.22 10.14 QP 0.24 6 0.24 32.66 -19.51 52.17 22.30 0.22 10.14 Average 7 0.48 34.99 -21.33 56.32 24.60 0.23 10.16 QP 8 0.48 31.79 -14.53 46.32 21.40 0.23 10.16 Average 9 5.68 32.50 -27.50 60.00 22.10 0.21 10.19 QP 10 5.68 25.70 -24.30 50.00 15.30 0.21 10.19 Average 11 11.32 35.85 -24.15 60.00 25.30 0.25 10.30 QP 11.32 30.75 -19.25 50.00 20.20 0.25 10.30 Average

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AH25V1 Page Number : 17 of 24

Report Issued Date : Jun. 27, 2016

Report Version : Rev. 01

Report Template No.: BU5-FC15B Version 1.3

22~24°C Test Mode: Mode 5 Temperature: Test Engineer: Amos Zhang **Relative Humidity:** 44~47% 120Vac / 60Hz Phase: Test Voltage: Neutral WCDMA Band II Idle + Bluetooth Idle + WLAN Idle + Earphone + Adapter with Function Type: Cradle + USB Cable (Data Link with Notebook) 80 Level (dBuV) 70.0 FCC CLASS-B 60.0 FCC CLASS-B(AVG) 50.0 40.0 30.0 20.0 10.0 30 Frequency (MHz) Site : CO01-KS Condition : FCC CLASS-B LISN-N-20151024 NEUTRAL Project : (FC) 630406 mode : Mode 5 Over Limit Read LISN Cable Loss Remark Freq Level Limit line Level Factor MHz dBuV dBuV dBuV dB dB dB 0.16 45.91 -19.39 65.30 35.50 0.30 10.11 QP 2 0.16 37.61 -17.69 55.30 27.20 0.30 10.11 Average 3 0.18 47.33 -17.31 64.64 36.90 0.31 10.12 QP 0.18 39.63 -15.01 4 54.64 29.20 0.31 10.12 Average 5 0.24 42.65 -19.52 62.17 32.20 0.31 10.14 QP 6 0.24 34.35 -17.82 52.17 23.90 0.31 10.14 Average 7 0.48 0.32 10.16 QP 37.38 -18.94 56.32 26.90 8 0.48 33.38 -12.94 46.32 22.90 0.32 10.16 Average 9 5.39 35.13 -24.87 60.00 0.34 10.19 QP 24.60 0.34 10.19 Average 10 5.39 25.13 -24.87 50.00 14.60 11 10.68 34.86 -25.14 60.00 24.30 0.28 10.28 QP 12 10.68 28.76 -21.24 50.00 18.20 0.28 10.28 Average

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AH25V1 Page Number : 18 of 24
Report Issued Date : Jun. 27, 2016
Report Version : Rev. 01

Report Template No.: BU5-FC15B Version 1.3

3.2. Test of Radiated Emission Measurement

3.2.1. Limit of Radiated Emission

The emissions from an unintentional radiator shall not exceed the field strength levels specified in the following table:

Frequency	Field Strength	Measurement Distance
(MHz)	(microvolts/meter)	(meters)
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

3.2.2. Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.2.3. Test Procedures

- 1. The EUT was placed on a turntable with 0.8 meter above ground.
- 2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 3. The table was rotated 360 degrees to determine the position of the highest radiation.
- 4. The antenna is a Bi-Log antenna and its height is adjusted between one to four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
- 5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
- 6. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode (RBW=120kHz/VBW=300kHz for frequency below 1GHz; RBW=1MHz VBW=3MHz (Peak), RBW=1MHz/VBW=10Hz (Average) for frequency above 1GHz).
- 7. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, peak values of EUT will be reported. Otherwise, the emission will be repeated by using the quasi-peak method and reported.
- 8. Emission level (dB μ V/m) = 20 log Emission level (μ V/m)
- 9. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AH25V1 Page Number : 19 of 24
Report Issued Date : Jun. 27, 2016
Report Version : Rev. 01

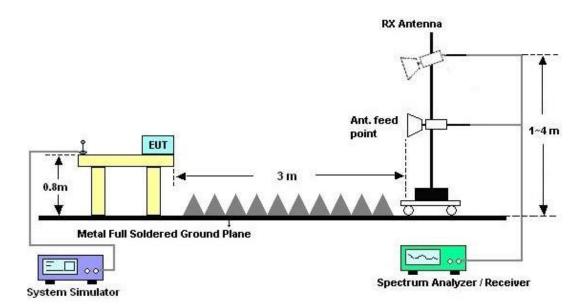
Report Template No.: BU5-FC15B Version 1.3

3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



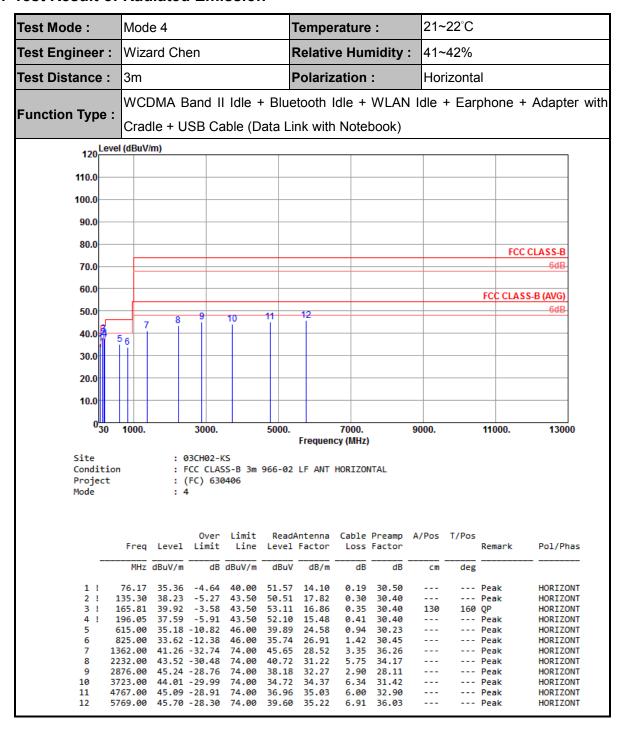
For radiated emissions above 1GHz



TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AH25V1 Page Number : 20 of 24
Report Issued Date : Jun. 27, 2016
Report Version : Rev. 01

Report Template No.: BU5-FC15B Version 1.3

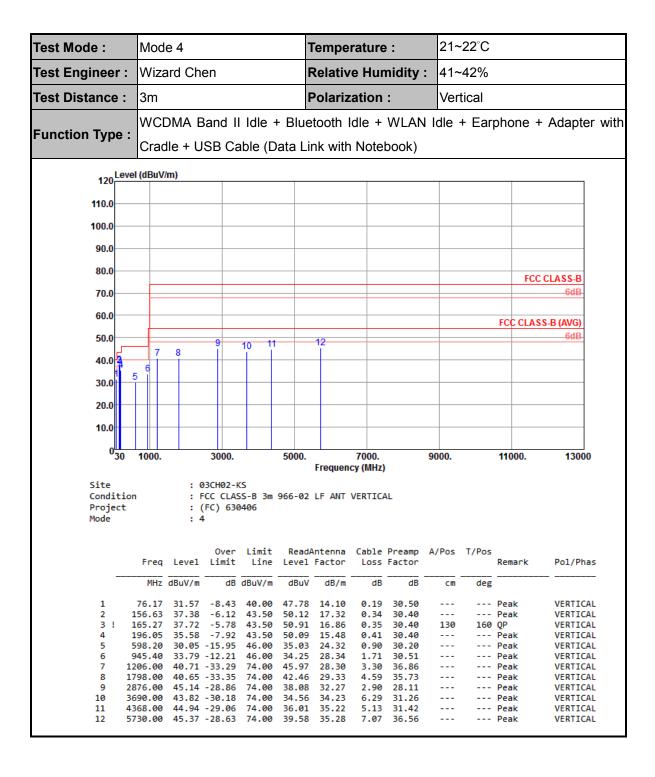
3.2.5. Test Result of Radiated Emission



TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AH25V1 Page Number : 21 of 24
Report Issued Date : Jun. 27, 2016
Report Version : Rev. 01

Report Template No.: BU5-FC15B Version 1.3

FCC Test Report Report No.: FC630406



TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AH25V1

Report Issued Date: Jun. 27, 2016 Report Version : Rev. 01

Page Number

Report Template No.: BU5-FC15B Version 1.3

: 22 of 24

4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz; Max 30dBm	Sep. 10, 2015	Jun. 01, 2016	Sep. 09, 2016	Radiation (03CH02-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150208	10Hz~44GHz; Max 30dB	Apr. 22, 2016	Jun. 01, 2016	Apr. 21, 2017	Radiation (03CH02-KS)
Bilog Antenna	TeseQ	CBL6112D	37879	30MHz~2GHz	Sep. 12, 2015	Jun. 01, 2016	Sep. 11, 2016	Radiation (03CH02-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75957	1GHz~18GHz	Nov. 07, 2015	Jun. 01, 2016	Nov. 06, 2016	Radiation (03CH02-KS)
Amplifier	com-power	PA-103A	161069	1kHz~1000MHz / 32 dB	Apr. 22, 2016	Jun. 01, 2016	Apr. 21, 2017	Radiation (03CH02-KS)
Amplifier	Agilent	8449B	3008A02384	1~26.5GHz Gain 30dB	Oct. 24, 2015	Jun. 01, 2016	Oct. 23, 2016	Radiation (03CH02-KS)
AC Power Source	Chroma	61601	61601000247 3	N/A	NCR	Jun. 01, 2016	NCR	Radiation (03CH02-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	Jun. 01, 2016	NCR	Radiation (03CH02-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	Jun. 01, 2016	NCR	Radiation (03CH02-KS)
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz; Max 30dBm	Sep. 10, 2015	Jun. 14, 2016	Sep. 09, 2016	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060103	9kHz~30MHz	Oct. 24, 2015	Jun. 14, 2016	Oct. 23, 2016	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060105	9kHz~30MHz	Oct. 24, 2015	Jun. 14, 2016	Oct. 23, 2016	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP0000008 11	AC 0V~300V, 45Hz~1000Hz	Oct. 24, 2015	Jun. 14, 2016	Oct. 23, 2016	Conduction (CO01-KS)

NCR: No Calibration Required

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AH25V1 Page Number : 23 of 24
Report Issued Date : Jun. 27, 2016
Report Version : Rev. 01

Report No.: FC630406

Report Template No.: BU5-FC15B Version 1.3

5. Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of	2.3 dB	
Confidence of 95% (U = 2Uc(y))	2.3 UB	

<u>Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)</u>

Measuring Uncertainty for a Level of	
· · · · · · · · · · · · · · · · · · ·	5.1dB
Confidence of 95% (U = 2Uc(y))	J. 10D

<u>Uncertainty of Radiated Emission Measurement (1GHz ~ 18GHz)</u>

Measuring Uncertainty for a Level of	4.5dB
Confidence of 95% (U = 2Uc(y))	4.500

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

Measuring Uncertainty for a Level of	5.1dB
Confidence of 95% (U = 2Uc(y))	3.1ub

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AH25V1 Page Number : 24 of 24
Report Issued Date : Jun. 27, 2016
Report Version : Rev. 01

Report Template No.: BU5-FC15B Version 1.3