FCC Test Report

APPLICANT : HMD Global Oy

EQUIPMENT: **GSM/WCDMA/LTE** Mobile Phone

BRAND NAME : Nokia MODEL NAME : TA-1084

FCC ID : 2AJOTTA-1084

STANDARD : FCC CFR Title 47 Part 15 Subpart B

CLASSIFICATION : Certification

The product was received on Mar. 21, 2018 and testing was completed on May 15, 2018. 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.



Approved by: James Huang / Manager

Sporton International (Kunshan) Inc.

No.3-2 Ping-Xiang Rd, Kunshan Development Zone Kunshan Ćity Jiangsu Province 215335 China

Sporton International (Kunshan) Inc.

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AJOTTA-1084 Page Number : 1 of 21
Report Issued Date : Jun. 12, 2018
Report Version : Rev. 01

Report No.: FC832104

TABLE OF CONTENTS

RE	VISIO	N HISTORY	3
SU	MMAF	RY OF TEST RESULT	4
1.		ERAL DESCRIPTION	
	1.1.	Applicant	
	1.1.	Manufacturer	
	1.3.	Product Feature of Equipment Under Test	
	1.4.	Product Specification of Equipment Under Test	
	1.5.	Modification of EUT	
	1.6.	Test Location	
	1.7.	Applicable Standards	
		• •	
2.	TEST	CONFIGURATION OF EQUIPMENT UNDER TEST	8
	2.1.	Test Mode	8
	2.2.	Connection Diagram of Test System	9
	2.3.	Support Unit used in test configuration and system	9
	2.4.	EUT Operation Test Setup	
3.	TEST	RESULT	11
	3.1.	Test of AC Conducted Emission Measurement	11
	3.2.	Test of Radiated Emission Measurement	
4.	LIST	OF MEASURING EQUIPMENT	20
5	UNC	ERTAINTY OF EVALUATION	21
٠.	3113		· · · · · · · · · · · · · · · · · · ·

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AJOTTA-1084 Page Number : 2 of 21
Report Issued Date : Jun. 12, 2018
Report Version : Rev. 01
Report Template No.: BU5-FC15B Version 2.0

REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC832104 Rev. 01		Initial issue of report	Jun. 12, 2018

Sporton International (Kunshan) Inc.

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AJOTTA-1084

Page Number : 3 of 21 Report Issued Date : Jun. 12, 2018 Report Version : Rev. 01

Report No.: FC832104

SUMMARY OF TEST RESULT

Report Section FCC Rule		Description	Description Limit		Remark
					Under limit
3.1	15.107	AC Conducted Emission	< 15.107 limits	PASS	10.59 dB at
					3.328 MHz
	3.2 15.109 Radiated Emission			Under limit	
3.2		15.109 Radiated Emission	< 15.109 limits	PASS	3.25 dB at
					949.56 MHz

Sporton International (Kunshan) Inc.

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AJOTTA-1084 Page Number : 4 of 21
Report Issued Date : Jun. 12, 2018
Report Version : Rev. 01

Report No.: FC832104

1. General Description

1.1. Applicant

HMD Global Oy

Karaportti 2 02610 Espoo FINLAND

1.2. Manufacturer

HMD Global Oy

Karaportti 2 02610 Espoo FINLAND

1.3. Product Feature of Equipment Under Test

Product Feature				
Equipment	GSM/WCDMA/LTE Mobile Phone			
Brand Name	Nokia			
Model Name	TA-1084			
FCC ID	2AJOTTA-1084			
EUT supports Radios application	GSM/GPRS/EGPRS/WCDMA/HSPA/LTE WLAN 2.4GHz 802.11b/g/n HT20/HT40 Bluetooth v3.0 + EDR/Bluetooth v4.0 LE/			
	Bluetooth v4.1 LE/Bluetooth v4.2 LE			
IMEI Code	Conduction: 356940090001840/356940090001857 Radiation: 356940090000560/356940090000578			
HW Version	HW0303			
SW Version	000C_0_146			
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: +86-512-57900158

FAX: +86-512-57900958 FCC ID: 2AJOTTA-1084 Page Number : 5 of 21
Report Issued Date : Jun. 12, 2018
Report Version : Rev. 01

Report No.: FC832104

1.4. Product Specification of Equipment Under Test

Standards-related Product Specification					
	GSM850: 824.2 MHz ~ 848.8 MHz				
	GSM1900: 1850.2 MHz ~ 1909.8MHz				
	WCDMA Band V: 826.4 MHz ~ 846.6 MHz				
	WCDMA Band IV : 1712.4 MHz ~ 1752.6 MHz				
	WCDMA Band II: 1852.4 MHz ~ 1907.6 MHz				
	LTE Band 2: 1850.7 MHz ~ 1909.3 MHz				
	LTE Band 4: 1710.7 MHz ~ 1754.3 MHz				
	LTE Band 5: 824.7 MHz ~ 848.3 MHz				
Tx Frequency	LTE Band 7 : 2502.5 MHz ~ 2567.5 MHz				
	LTE Band 12 : 699.7 MHz ~ 715.3 MHz				
	LTE Band 13 : 779.5 MHz ~ 784.5 MHz				
	LTE Band 17 : 706.5 MHz ~ 713.5 MHz				
	LTE Band 38 : 2572.5MHz ~ 2617.5MHz				
	LTE Band 66 : 1710.7 MHz ~ 1779.3 MHz				
	802.11b/g/n: 2412 MHz ~ 2462 MHz				
	Bluetooth: 2402 MHz ~ 2480 MHz				
	GSM850: 869.2 MHz ~ 893.8 MHz				
	GSM1900: 1930.2 MHz ~ 1989.8 MHz				
	WCDMA Band V: 871.4 MHz ~ 891.6 MHz				
	WCDMA Band IV : 2112.4 MHz ~ 2152.6 MHz				
	WCDMA Band II: 1932.4 MHz ~ 1987.6 MHz				
	LTE Band 2: 1930.7 MHz ~ 1989.3 MHz				
	LTE Band 4: 2110.7 MHz ~ 2154.3 MHz				
	LTE Band 5: 869.7 MHz ~ 893.3 MHz				
	LTE Band 7: 2622.5MHz ~ 2687.5 MHz				
Rx Frequency	LTE Band 12: 729.7 MHz ~ 745.3 MHz				
	LTE Band 13 : 748.5 MHz ~ 753.5 MHz				
	LTE Band 17: 736.5 MHz ~ 743.5 MHz				
	LTE Band 38 : 2572.5MHz ~ 2617.5MHz				
	LTE Band 66 : 2110.7 MHz~ 2199.3 MHz				
	802.11b/g/n: 2412 MHz ~ 2462 MHz				
	Bluetooth: 2402 MHz ~ 2480 MHz				
	GNSS : 1559 MHz ~ 1610 MHz				
	FM: 87.5 MHz ~ 108 MHz				
	WWAN: PIFA Antenna				
	WLAN : PIFA Antenna				
Antenna Type	Bluetooth : PIFA Antenna				
	GNSS: PIFA Antenna				
	FM: External Handset Antenna				
	GSM: GMSK				
	GPRS: GMSK				
	EDGE(MCS 0-4): GMSK / (MCS 5-9): 8PSK				
	WCDMA: BPSK (Uplink)				
	HSDPA: QPSK (Uplink)				
Type of Modulation	HSUPA: QPSK (Uplink)				
	LTE: QPSK / 16QAM				
	802.11b : DSSS (DBPSK / DQPSK / CCK)				
	802.11g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM)				
	Bluetooth LE: GFSK				
	Bluetooth (1Mbps) : GFSK				
	Didotootii (Ilvibpo) . Oi Oit				

Sporton International (Kunshan) Inc.

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AJOTTA-1084 Page Number : 6 of 21
Report Issued Date : Jun. 12, 2018
Report Version : Rev. 01
Report Template No.: BU5-FC15B Version 2.0

Bluetooth (2Mbps) : π /4-DQPSK
Bluetooth (3Mbps): 8-DPSK
GNSS: BPSK
FM

Report No.: FC832104

Note: GNSS = GPS + Glonass

1.5. Modification of EUT

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

1.6. Test Location

Sporton International (Kunshan) Inc. is accredited to ISO 17025 by National Voluntary Laboratory Accreditation Program (NVLAP code: 600155-0) and the FCC designation No. is CN5013.

Test Site	Sporton International (Kunshan) Inc.				
Test Site Location	No.3-2 Ping-Xiang Rd, Kunshan Development Zone Kunshan City Jiangsu Province 215335 China				
Test Site Location	TEL: +86-512-57900158 FAX: +86-512-57900958				
	Sporton		FCC Test Firm Registration No.		
Test Site No.	CO01-KS	03CH02-KS	630927		

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 CFR Title 47 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.
 Page Number
 : 7 of 21

 TEL: +86-512-57900158
 Report Issued Date
 : Jun. 12, 2018

 FAX: +86-512-57900958
 Report Version
 : Rev. 01

FCC ID : 2AJOTTA-1084 Report Template No.: BU5-FC15B Version 2.0

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

Test Items	Function Type
	Mode 1: GSM850 Idle + Bluetooth Idle + WLAN (2.4G) Idle + Earphone + USB Cable (Charging from Adapter) + Camera (Rear)
	Mode 2: GSM1900 Idle + Bluetooth Idle + WLAN (2.4G) Idle + Earphone + USB Cable (Charging from Adapter) + Camera (Front)
AC Conducted Emission	Mode 3: WCDMA Band V Idle + Bluetooth Idle + WLAN (2.4G) Idle + Earphone + USB Cable (Charging from Adapter) + MPEG4
	Mode 4: LTE Band 4 Idle + Bluetooth Idle + WLAN (2.4G) Idle + Earphone + USB Cable (Charging from Adapter) + FM Rx
	Mode 5: LTE Band 4 Idle + Bluetooth Idle + WLAN (2.4G) Idle + Earphone + USB Cable (Data Link with Notebook) + GNSS Rx
	Mode 1 : GSM850 Idle + Bluetooth Idle + WLAN (2.4G) Idle + Earphone + USB Cable (Charging from Adapter) + Camera (Rear)
	Mode 2 : GSM1900 Idle + Bluetooth Idle + WLAN (2.4G) Idle + Earphone + USB Cable (Charging from Adapter) + Camera (Front)
Radiated Emissions	Mode 3: WCDMA Band V Idle + Bluetooth Idle + WLAN (2.4G) Idle + Earphone + USB Cable (Charging from Adapter) + MPEG4
	Mode 4: LTE Band 4 Idle + Bluetooth Idle + WLAN (2.4G) Idle + Earphone + USB Cable (Charging from Adapter) + FM Rx
	Mode 5: LTE Band 4 Idle + Bluetooth Idle + WLAN (2.4G) Idle + Earphone + USB Cable (Data Link with Notebook) + GNSS Rx

Remark:

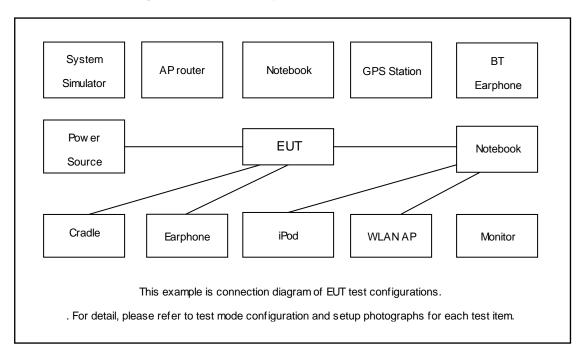
- 1. The worst case of AC is mode 1; only the test data of this mode is reported.
- 2. The worst case of RE is mode 5; only the test data of this mode is reported.
- Data Link with Notebook means data application transferred mode between EUT and Notebook.

Sporton International (Kunshan) Inc.

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AJOTTA-1084 Page Number : 8 of 21
Report Issued Date : Jun. 12, 2018
Report Version : Rev. 01

Report No.: FC832104

2.2. Connection Diagram of Test System



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	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m	
2.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m	
3.	GNSS Station	ADIVIE	MP9000	N/A	N/A	Unshielded,1.8m	
4.	FM Station	R&S	SMBV100A	258305	N/A	Unshielded, 1.8 m	
5.	WLAN AP	D-Link	DIR-855	KA2DIR855A2	N/A	Unshielded, 1.8 m	
6.	WLAN AP	TP-Link	TL-WDR5600	N/A	N/A	Unshielded, 1.8 m	
7.	Bluetooth Earphone	Lenovo	LBH308	N/A	N/A	N/A	
8.	Notebook	Dell	Latitude3440	N/A	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m	
9.	Notebook	Lenovo	G480	PRC4	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m	
10.	iPod	Apple	A1199	FCC DoC	Shielded, 1.2 m	N/A	
11.	SD Card	Kingston	8GB	N/A	N/A	N/A	
12.	SD Card	SanDisk	Uitra	N/A	N/A	N/A	

Sporton International (Kunshan) Inc.

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AJOTTA-1084 Page Number : 9 of 21
Report Issued Date : Jun. 12, 2018
Report Version : Rev. 01
Report Template No.: BU5-FC15B Version 2.0

2.4. EUT Operation Test Setup

The EUT was in GSM or WCDMA or LTE 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. Turn on GNSS function to make the EUT receive continuous signals from GNSS station.
- 3. Turn on FM function to make the EUT receive continuous signals from FM Generator.
- 4. Execute "Video Player" to play MPEG4 files.
- 5. Turn on camera to capture images.

Sporton International (Kunshan) Inc. TEL: +86-512-57900158

FAX: +86-512-57900958 FCC ID: 2AJOTTA-1084 Page Number : 10 of 21
Report Issued Date : Jun. 12, 2018
Report Version : Rev. 01

Report No.: FC832104

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.

<Class B Limit>

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.

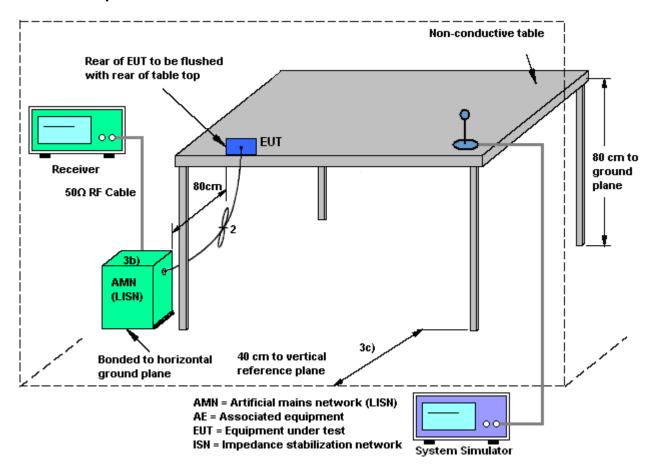
3.1.2 Measuring Instruments

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

3.1.3 Test Procedure

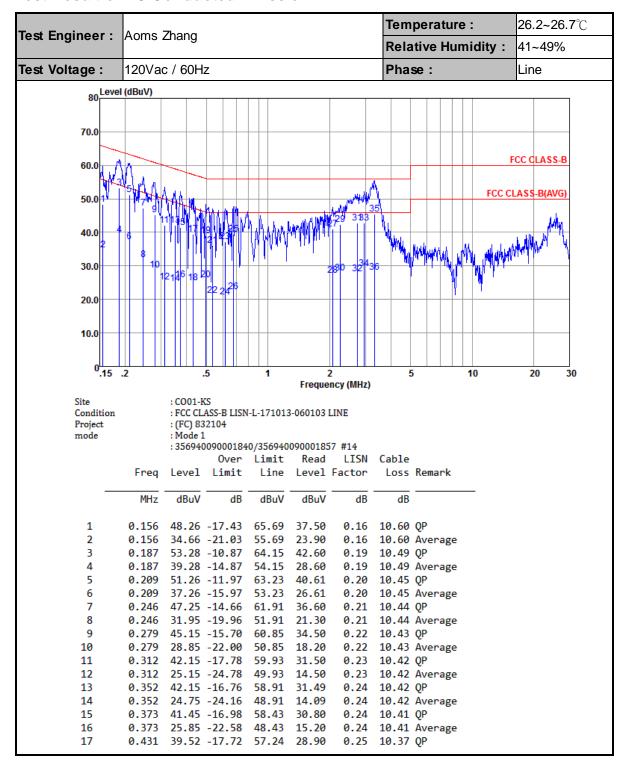
- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- 2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connecting to the other 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.
- 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.

3.1.4 Test Setup



TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AJOTTA-1084 Page Number : 12 of 21
Report Issued Date : Jun. 12, 2018
Report Version : Rev. 01
Report Template No.: BU5-FC15B Version 2.0

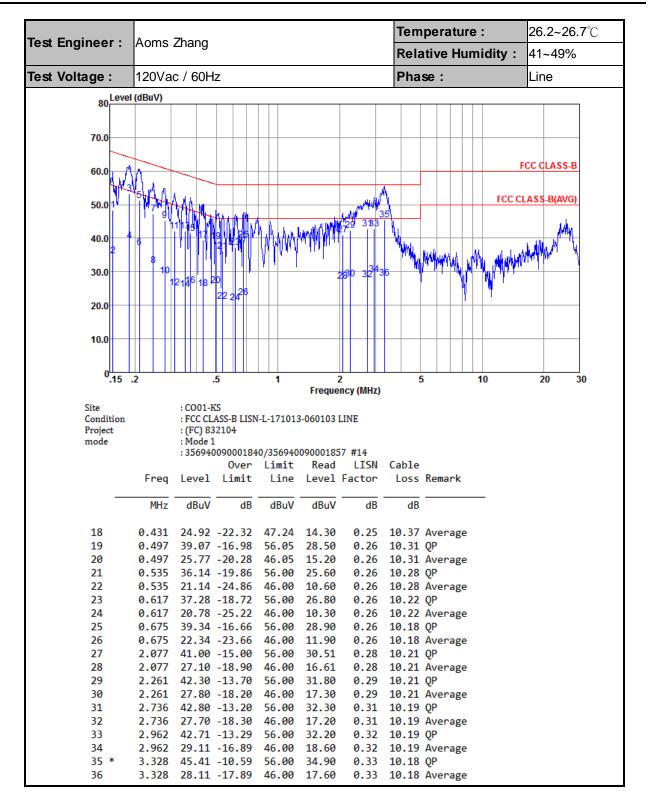
3.1.5 Test Result of AC Conducted Emission



TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AJOTTA-1084 Page Number : 13 of 21
Report Issued Date : Jun. 12, 2018
Report Version : Rev. 01

Report No.: FC832104





TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AJOTTA-1084

Page Number : 14 of 21 Report Issued Date: Jun. 12, 2018 Report Version : Rev. 01 Report Template No.: BU5-FC15B Version 2.0

Temperature: 26.2~26.7°C Test Engineer: Aoms Zhang **Relative Humidity:** 41~49% Test Voltage: 120Vac / 60Hz Phase: Neutral 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 5 10 1 2 30 Frequency (MHz) : CO01-KS Condition : FCC CLASS-B LISN-N-171013-060103 NEUTRAL Project : (FC) 832104 mode : Mode 1 :356940090001840/356940090001857 #14 Over Limit Read LISN Cable Level Limit Freq Line Level Factor Loss Remark MHz dB dBuV dBuV 0.188 50.37 -13.74 64.11 39.60 0.28 10.49 OP 1 0.188 37.37 -16.74 54.11 26.60 0.28 10.49 Average 0.212 49.33 -13.81 63.14 38.60 0.28 10.45 OP 3 0.212 35.93 -17.21 53.14 25.20 0.28 10.45 Average 5 0.279 44.32 -16.53 60.85 33.61 0.28 10.43 QP 6 0.279 28.92 -21.93 50.85 18.21 0.28 10.43 Average 7 2.121 41.43 -14.57 56.00 30.90 0.32 10.21 QP 0.32 10.21 Average 2.121 29.83 -16.17 46.00 19.30 8 9 2.474 42.42 -13.58 56.00 31.90 0.32 10.20 QP 10 2.474 27.42 -18.58 46.00 16.90 0.32 10.20 Average 11 2.678 41.12 -14.88 56.00 30.60 0.33 10.19 OP 0.33 10.19 Average 12 2.678 27.12 -18.88 46.00 16.60 2.978 41.71 -14.29 56.00 31.19 0.33 10.19 OP 13 14 2.978 29.71 -16.29 46.00 19.19 0.33 10.19 Average 15 * 3.417 42.71 -13.29 56.00 32.20 0.33 10.18 QP 16 3.417 30.81 -15.19 46.00 20.30 0.33 10.18 Average 17 3.623 39.81 -16.19 56.00 29.31 0.33 10.17 QP 3.623 29.71 -16.29 46.00 19.21 0.33 10.17 Average 18

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AJOTTA-1084 Page Number : 15 of 21
Report Issued Date : Jun. 12, 2018
Report Version : Rev. 01
Report Template No.: BU5-FC15B Version 2.0

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:

<Class B Limit>

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (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 $(dB\mu V/m) = 20 \log Emission level (\mu V/m)$
- 9. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

Sporton International (Kunshan) Inc.

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AJOTTA-1084

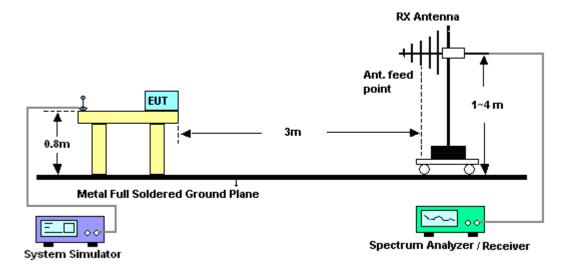
Page Number : 16 of 21 Report Issued Date: Jun. 12, 2018 Report Version

: Rev. 01

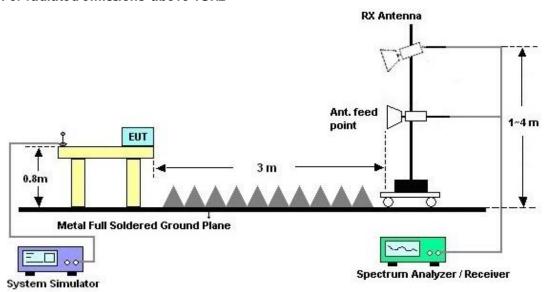
Report No.: FC832104

3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



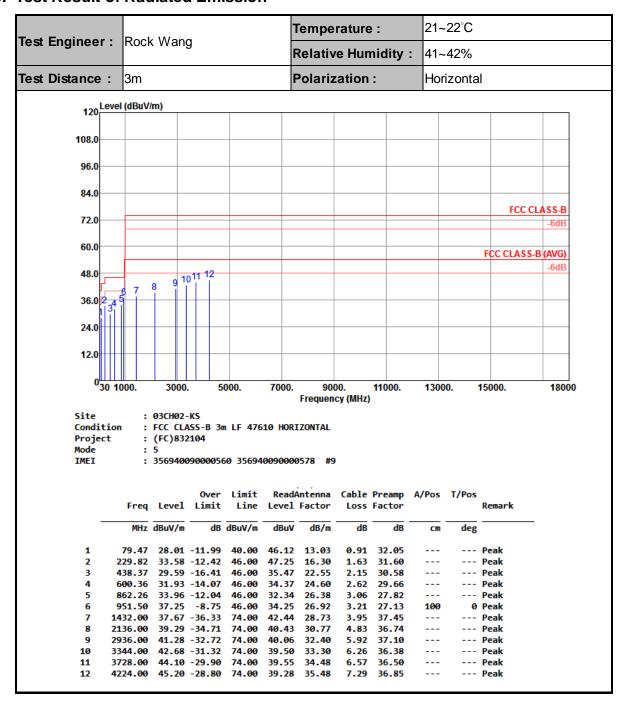
For radiated emissions above 1GHz



TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AJOTTA-1084 Page Number : 17 of 21
Report Issued Date : Jun. 12, 2018
Report Version : Rev. 01

Report No.: FC832104

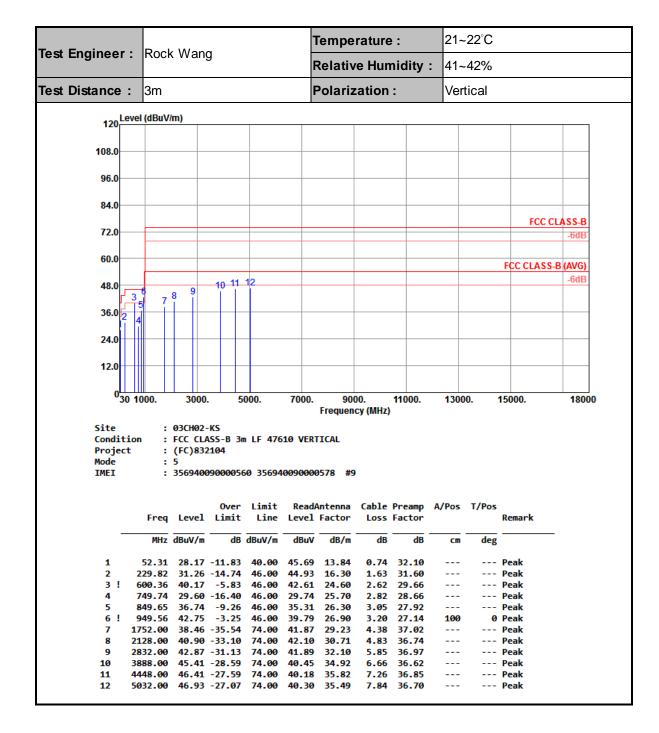
3.2.5. Test Result of Radiated Emission



TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AJOTTA-1084 Page Number : 18 of 21
Report Issued Date : Jun. 12, 2018
Report Version : Rev. 01

Report No.: FC832104

Report No.: FC832104



TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AJOTTA-1084

Page Number Report Issued Date: Jun. 12, 2018 Report Version : Rev. 01

4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	Apr. 19, 2018	May 15, 2018	Apr. 18, 2019	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060103	9kHz~30MHz	Oct. 13, 2017	May 15, 2018	Oct. 12, 2018	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060105	9kHz~30MHz	Oct. 13, 2017	May 15, 2018	Oct. 12, 2018	Conduction (CO01-KS)
AC Pow er Source	Chroma	61602	ABP0000008 11	AC 0V~300V, 45Hz~1000Hz	Oct. 12, 2017	May 15, 2018	Oct. 11, 2018	Conduction (CO01-KS)
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz;Ma x 30dBm	Aug.08, 2017	May 09, 2018	Aug.07, 2018	Radiation (03CH02-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150208	10Hz-44G,MAX 30dB	Apr.17, 2018	May 09, 2018	Apr. 16, 2019	Radiation (03CH02-KS)
Bilog Antenna	TeseQ	CBL6112D	23182	30MHz-2GHz	Jan. 29, 2018	May 09, 2018	Jan. 28, 2019	Radiation (03CH02-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75957	1GHz~18GHz	Oct. 21, 2017	May 09, 2018	Oct. 20, 2018	Radiation (03CH02-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Aug.07, 2017	May 09, 2018	Aug.06, 2018	Radiation (03CH02-KS)
Amplifier	Agilent	8449B	3008A02384	1-26.5GHz Gain 30dB	Oct. 12, 2017	May 09, 2018	Oct. 11, 2018	Radiation (03CH02-KS)
AC Pow er Source	Chroma	61601	61601000247 3	N/A	NCR	May 09, 2018	NCR	Radiation (03CH02-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	May 09, 2018	NCR	Radiation (03CH02-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	May 09, 2018	NCR	Radiation (03CH02-KS)

NCR: No Calibration Required

Sporton International (Kunshan) Inc.

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AJOTTA-1084 Page Number : 20 of 21
Report Issued Date : Jun. 12, 2018
Report Version : Rev. 01

Report No.: FC832104



5. Uncertainty of Evaluation

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

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

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

Measuring Uncertainty for a Level of Confidence	4.2dB
of 95% (U = 2Uc(y))	4.2ub

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence	4.2dB
of 95% (U = 2Uc(y))	4.2UB

Sporton International (Kunshan) Inc. TEL: +86-512-57900158

FAX: +86-512-57900958 FCC ID: 2AJOTTA-1084 Page Number : 21 of 21
Report Issued Date : Jun. 12, 2018
Report Version : Rev. 01

Report No.: FC832104