

Report No.: FC832501-01



# **FCC EMI TEST REPORT**

FCC ID : PY7-04606A

Equipment : GSM/WCDMA/LTE Phone+Bluetooth,

DTS/UNII a/b/g/n/ac and NFC

Brand Name : Sony

Applicant : Sony Mobile Communications Inc.

4-12-3 Higashi-Shinagawa, Shinagawa-ku,

Tokyo, 140-0002, Japan

Manufacturer : Sony Mobile Communications Inc.

4-12-3 Higashi-Shinagawa, Shinagawa-ku,

Tokyo, 140-0002, Japan

Standard : FCC 47 CFR FCC Part 15 Subpart B

The product was received on Mar. 25, 2018 and testing was started from Apr. 17, 2018 and completed on Apr. 21, 2018. We, SPORTON INTERNATIONAL 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERTIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Jones Tsai

(Jones Tsur

SPORTON INTERTIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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# History of this test report

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Report No.	Version	Description	Issued Date
FC832501-01	01	Initial issue of report	May 29, 2018
FC832501-01	02	Add the description in section 2.1.	Jun. 29, 2018

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# **Summary of Test Result**

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Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.107	AC Conducted Emission	Pass	Under limit 8.19 dB at 0.159 MHz
3.2	15.109	Radiated Emission	Pass	Under limit 7.91 dB at 255.720 MHz

Reviewed by: Louis Wu

**Report Producer: Nancy Yang** 

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## 1. General Description

### 1.1. Product Feature of Equipment Under Test

GSM/WCDMA/LTE, Bluetooth, DTS/UNII a/b/g/n, FM Receiver, NFC, and GNSS.

2011, 11 25 11, 12 12, 21 at 60 at 1, 2 1 at 61 at 1, 2 1 at 1 at 2, 3, 11, 1 th 1 at 2, at 1 at 2,						
Product Specification subjective to this standard						
Antenna Type	WWAN Antenna Main: PIFA Antenna Aux.: PIFA Antenna WLAN: C-feed Antenna Bluetooth: C-feed Antenna GPS / Glonass / BDS / Galileo / SBAS: C-feed Antenna NFC: Single loop Antenna FM: Using earphone as antenna					

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EUT Information List							
HW Version	SW Version	S/N	Performed Test Item				
А	A 9.29 CQ3000PS		Conducted Emission Radiated Emission				

Accessory List				
Familiana	Model No.: MH410c			
Earphone	S/N: N/A			
UCD Cable	Model No. : UCB20			
USB Cable	S/N: N/A			

#### Note:

- 1. Above EUT list used are electrically identical per declared by manufacturer.
- 2. Above the accessories list are used to exercise the EUT during test, and the serial number of each type of accessories is listed in each section of this report. .
- 3. For other wireless features of this EUT, test report will be issued separately.

### 1.2. Modification of EUT

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

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#### 1.3. Test Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190) and the FCC designation No. TW1093 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

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Test Site	SPORTON INTERNATIONAL INC.				
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist. Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978	,			
Test Site No.	Sporton	Site No.			
rest site No.	CO05-HY	03CH06-HY			

### 1.4. 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:

- 1. All test items were verified and recorded according to the standards and without any deviation during the test.
- 2. For FCC 15 Subpart B Unintentional Radiators, device supporting USB interface or similar peripherals (defined as the Section 15.3 (r) Peripheral device) acting as a peripheral for personal computers shall be authorized as "The Class B personal computers and peripherals" per the Section 15.101 (a) Equipment authorization of unintentional radiators.
- 3. For other Unintentional Radiators features of this EUT, test reports are be issued separately. Per the Note of the Section 15.101, when device supports features (USB, FM Radio, digital devices...etc) more than one category of authorization, type of authorization shall be appropriately chosen for FCC 15B compliance rule, and the Section 15.101 (b), only those receivers that operate (tune) within the frequency range of 30-960 MHz, CB receivers and radar detectors are subject to the authorizations shown in paragraph (a) of the Section 15.101. However, receivers indicated as being subject to Declaration of Conformity that are contained within a transceiver, the transmitter portion of which is subject to certification, shall be authorized under the verification procedure.

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## 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.

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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).

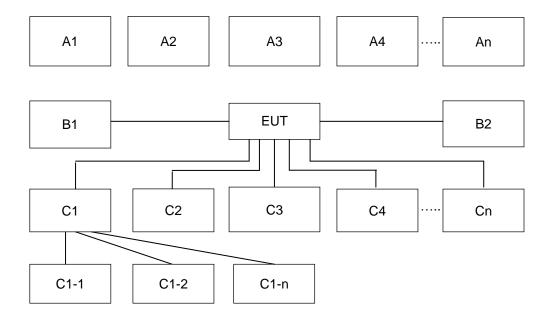
For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X plane) were recorded in this report.

Test Items	Function Type
AC Conducted	Mode 1: Flight Mode + USB Cable (Data Link with Notebook) + Battery + Earphone + SIM 1
Emission	Mode 2: Flight Mode + USB Cable (Data Link with Notebook) + Battery + Earphone + SIM 2
Radiated	Mode 1: Flight Mode + USB Cable (Data Link with Notebook) + Battery + Earphone + SIM 1
Emissions	Mode 2: Flight Mode + USB Cable (Data Link with Notebook) + Battery + Earphone + SIM 2

**Remark:** Data Link with Notebook means data application transferred mode between EUT and Notebook.

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## 2.2. Connection Diagram of Test System



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Test Setup								
No.	Setup Peripherals	Connection Type			Test	Mode		
NO.	Setup Periprierais	Connection Type	1	2				
C1	Notebook	USB Cable	Х	Х				
C1-1	Music Player	USB Cable to C1	Х	X				
C1-2	AP router	RJ-45 Cable to C1	Х	Х				
C2	Earphone	Earphone jack	Х	Х				
Ca	CD cord	SD I/O interface	v	<b>&gt;</b>				
C3	SD card	without Cable	X	^				

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## 2.3. Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8m
2.	Music Player	Apple	A1285	FCC DoC	Shielded, 1.0m	N/A
3.	Notebook	DELL	Latitude E3340	FCC DoC/ Contains FCC ID: PD97260NGU	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

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## 2.4. EUT Operation Test Setup

The data application (each file size is greater than 30Mbytes) is continuously transferred between the EUT and Notebook connected via USB cable, while Flight mode.

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### 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.

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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		

<sup>\*</sup>Decreases with the logarithm of the frequency.

#### 3.1.2 Measuring Instruments

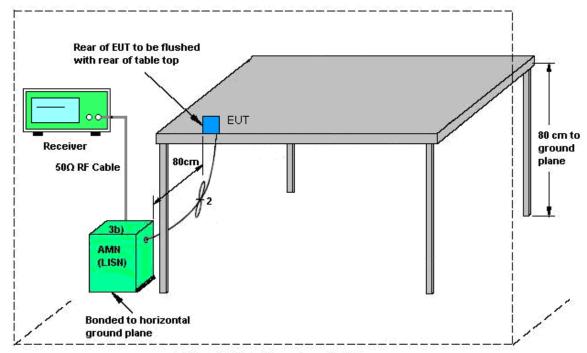
Refer a test equipment and calibration data table in this test report.

#### 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.

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### 3.1.4 Test Setup



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AMN = Artificial mains network (LISN)

AE = Associated equipment

EUT = Equipment under test

ISN = Impedance stabilization network

#### 3.1.5 Test Result of AC Conducted Emission

Please refer to Appendix A.

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#### 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:

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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

Refer a test equipment and calibration data table in this test report.

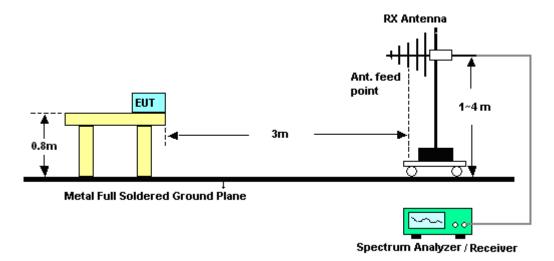
#### 3.2.3. Test Procedures

- 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

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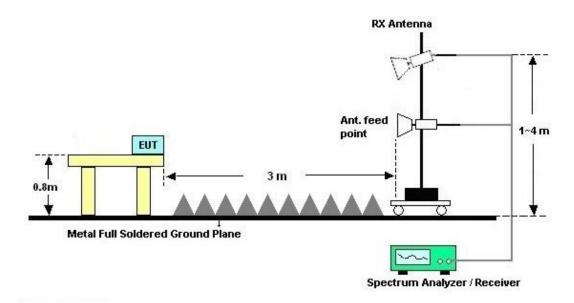
### 3.2.4. Test Setup of Radiated Emission

#### For radiated emissions from 30MHz to 1GHz



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#### For radiated emissions above 1GHz



#### 3.2.5. Test Result of Radiated Emission

Please refer to Appendix B.

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# 4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Apr. 17, 2018	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	3.6GHz	Dec. 08, 2017	Apr. 17, 2018	Dec. 07, 2018	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	May 02, 2017	Apr. 17, 2018	May 01, 2018	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 30, 2017	Apr. 17, 2018	Nov. 29, 2018	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Dec. 08, 2017	Apr. 17, 2018	Dec. 07, 2018	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 03, 2018	Apr. 17, 2018	Jan. 02, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Apr. 17, 2018	N/A	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 03, 2018	Apr. 17, 2018	Jan. 02, 2019	Conduction (CO05-HY)
Bilog Antenna	Schaffner	CBL6111C&N- 6-06	2725&AT-N06 01	30MHz~1GHz	Oct. 14, 2017	Apr. 21, 2018	Oct. 13, 2018	Radiation (03CH06-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100472	20Hz~26.5GHz	Jan. 04, 2018	Apr. 21, 2018	Jan. 03, 2019	Radiation (03CH06-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 15, 2018	Apr. 21, 2018	Mar. 14, 2019	Radiation (03CH06-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1156	1GHz~18GHz	Aug. 08, 2017	Apr. 21, 2018	Aug. 07, 2018	Radiation (03CH06-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA917025 1	18GHz- 40GHz	Nov. 10, 2017	Apr. 21, 2018	Nov. 09, 2018	Radiation (03CH06-HY)
Preamplifier	SONOMA	310N	186713	9kHz~1GHz	Apr. 25, 2017	Apr. 21, 2018	Apr. 24, 2018	Radiation (03CH06-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1850117	1GHz ~ 18GHz	May 22, 2017	Apr. 21, 2018	May 21, 2018	Radiation (03CH06-HY)
Amplifier	MITEQ	TTA1840-35-H G	1871923	18GHz~40GHz, VSWR : 2.5:1 max	Jul. 18, 2017	Apr. 21, 2018	Jul. 17, 2018	Radiation (03CH06-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30M~40GHz	Oct. 17, 2017	Apr. 21, 2018	Oct. 16, 2018	Radiation (03CH06-HY)
RF Cable	HUBER+SUH NER/UTIFLEX	SUCOFLEX 104 / UFA210A	MY24966/4 / LF-01	30MHz-1GHz	Nov. 24, 2017	Apr. 21, 2018	Nov. 23, 2018	Radiation (03CH06-HY)
RF Cable	Infinet/Sunhner	LL142/SF104	CA3601-3601 -HLL	1GHz-26GHz	Nov. 24, 2017	Apr. 21, 2018	Nov. 23, 2018	Radiation (03CH06-HY)
Antenna Mast	MF	MF-7802	MF78020821 2	1m~4m	N/A	Apr. 21, 2018	N/A	Radiation (03CH06-HY)
Turn Table	INN-CO	DS2000	420/650/00	0-360 degree	N/A	Apr. 21, 2018	N/A	Radiation (03CH06-HY)
Hygrometer	WISEWIND	410	BU5004	N/A	Mar. 06, 2018	Apr. 21, 2018	Mar. 05, 2019	Radiation (03CH06-HY)
Test Software	AUDIX	e3	6.2009-8-24	N/A	N/A	Apr. 21, 2018	N/A	Radiation (03CH06-HY)

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# 5. Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence	
of 95% (U = 2Uc(y))	2.70
01 93 % (0 = 200(y))	

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

Measuring Uncertainty for a Level of Confidence	3.90
of 95% (U = 2Uc(y))	3.90

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

Measuring Uncertainty for a Level of Confidence	4.70
of 95% (U = 2Uc(y))	4.70

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# **Appendix A. AC Conducted Emission Test Results**

Test Mode :	Mode 1	Temperature :	<b>24~26</b> ℃					
Test Engineer :	Shareef Yu	Relative Humidity :	66~68%					
Test Voltage :	120Vac / 60Hz	Phase :	Line					
Remark :	All emissions not reported here are more than 10 dR below the prescribed limit							

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100 90 80 70 60 CISPR-QP Limit at Main Ports CISPR-Ave Limit at Main Ports 20 10 150k 300 400500 8001M 2M 3M 4M5M6 8 10M 20M 30M

Frequency in Hz

### **Final Result**

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr.
0.159000	57.33		65.52	8.19	L1	OFF	19.5
0.159000		43.89	55.52	11.63	L1	OFF	19.5
0.201750	45.38		63.54	18.16	L1	OFF	19.5
0.201750		25.47	53.54	28.07	L1	OFF	19.5
0.269250	41.23		61.14	19.91	L1	OFF	19.5
0.269250		24.56	51.14	26.58	L1	OFF	19.5
0.336750	36.27		59.28	23.01	L1	OFF	19.5
0.336750		23.18	49.28	26.10	L1	OFF	19.5
0.582000	36.06		56.00	19.94	L1	OFF	19.5
0.582000		26.42	46.00	19.58	L1	OFF	19.5
3.828750	35.26		56.00	20.74	L1	OFF	19.6
3.828750		27.16	46.00	18.84	L1	OFF	19.6
6.531000	38.63		60.00	21.37	L1	OFF	19.6
6.531000		33.18	50.00	16.82	L1	OFF	19.6
16.010250	27.35		60.00	32.65	L1	OFF	19.8
16.010250		21.24	50.00	28.76	L1	OFF	19.8
23.453250	28.77		60.00	31.23	L1	OFF	19.8
23.453250		24.10	50.00	25.90	L1	OFF	19.8

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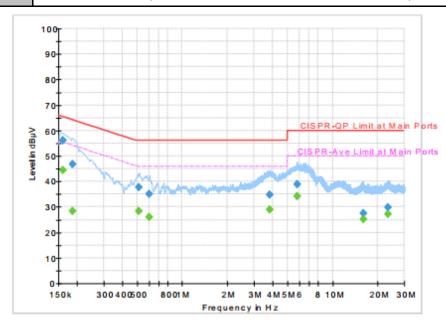
 Test Mode :
 Mode 1
 Temperature :
 24~26℃

 Test Engineer :
 Shareef Yu
 Relative Humidity :
 66~68%

 Test Voltage :
 120Vac / 60Hz
 Phase :
 Neutral

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Remark: All emissions not reported here are more than 10 dB below the prescribed limit.



#### **Final Result**

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit Margin (dBµV) (dB)		Line	Filter	Corr. (dB)
0.161250		44.59	55.40	10.81	N	OFF	19.5
0.161250	56.05		65.40	9.35	N	OFF	19.5
0.186000		28.44	54.21	25.77	N	OFF	19.5
0.186000	46.76		64.21	17.45	N	OFF	19.5
0.512250		28.48	46.00	17.52	N	OFF	19.5
0.512250	37.76		56.00	18.24	N	OFF	19.5
0.602250		25.95	46.00	20.05	N	OFF	19.5
0.602250	35.11		56.00	20.89	N	OFF	19.5
3.833250		29.05	46.00	16.95	N	OFF	19.6
3.833250	34.70		56.00	21.30	N	OFF	19.6
5.831250		34.32	50.00	15.68	N	OFF	19.6
5.831250	39.03		60.00	20.97	N	OFF	19.6
15.976500		25.16	50.00	24.84	N	OFF	19.8
15.976500	27.61		60.00	32.39	N	OFF	19.8
23.394750		27.06	50.00	22.94	N	OFF	19.9
23.394750	29.78		60.00	30.22	N	OFF	19.9

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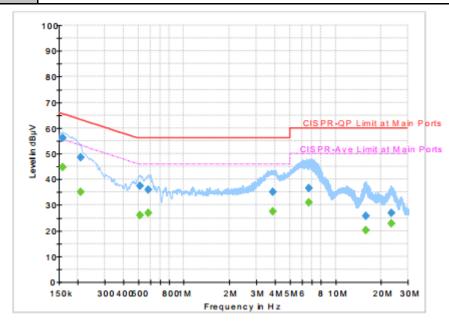
 Test Mode :
 Mode 2
 Temperature :
 24~26°C

 Test Engineer :
 Shareef Yu
 Relative Humidity :
 66~68%

 Test Voltage :
 120Vac / 60Hz
 Phase :
 Line

 Remark :
 All emissions not reported here are more than 10 dB below the prescribed limit.

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#### **Final Result**

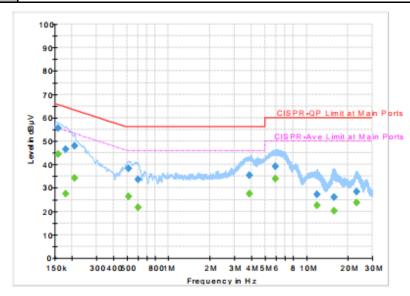
Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000		44.71	55.52	10.81	L1	OFF	19.5
0.159000	56.12		65.52	9.40	L1	OFF	19.5
0.208500		34.94	53.27	18.33	L1	OFF	19.5
0.208500	48.64		63.27	14.63	L1	OFF	19.5
0.514500		26.13	46.00	19.87	L1	OFF	19.5
0.514500	37.41		56.00	18.59	L1	OFF	19.5
0.584250		27.04	46.00 18.96		L1	OFF	19.5
0.584250	35.87		56.00	20.13	L1	OFF	19.5
3.876000		27.50	46.00	46.00 18.50		OFF	19.6
3.876000	35.12		56.00	20.88	L1	OFF	19.6
6.663750		30.97	50.00	19.03	L1	OFF	19.6
6.663750	36.58		60.00	23.42	L1	OFF	19.6
15.816750		20.21	50.00	29.79	L1	OFF	19.8
15.816750	25.72		60.00	34.28	L1	OFF	19.8
23.361000		22.72	50.00	27.28	L1	OFF	19.8
23.361000	26.97		60.00	33.03	L1	OFF	19.8

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Test Mode :	Mode 2	Temperature :	<b>24~26</b> ℃					
Test Engineer :	Shareef Yu	Relative Humidity :	66~68%					
Test Voltage :	120Vac / 60Hz	Phase :	Neutral					
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.							

Report No. : FC832501-01

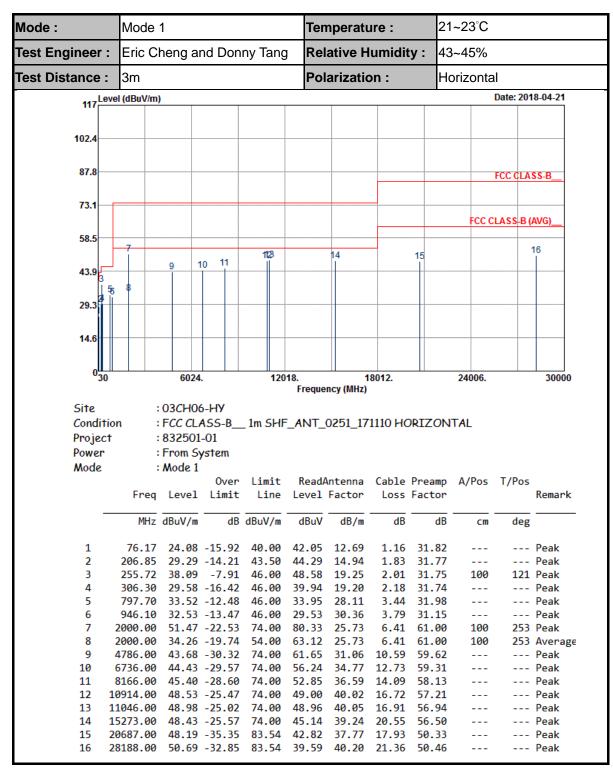


#### **Final Result**

Frequency	QuasiPeak	Average	Limit	Margin	Line	Filter	Corr.
(MHz)	(dBµV)	(dBµV)	(dBµV)	(dB)	Line		(dB)
0.159000		44.39	55.52	11.13	N	OFF	19.5
0.159000	55.68		65.52	9.84	N	OFF	19.5
0.179250		27.45	54.52	27.07	N	OFF	19.5
0.179250	46.54		64.52	17.98	N	OFF	19.5
0.208500		34.29	53.27	18.98	N	OFF	19.5
0.208500	48.09		63.27	15.18	N	OFF	19.5
0.512250		26.45	46.00	19.55	N	OFF	19.5
0.512250	38.38		56.00	17.62	N	OFF	19.5
0.600000		21.71	46.00	24.29	N	OFF	19.5
0.600000	33.62		56.00	22.38	N	OFF	19.5
3.853500		27.62	46.00	18.38	N	OFF	19.6
3.853500	35.41		56.00	20.59	N	OFF	19.6
5.975250		33.83	50.00	16.17	N	OFF	19.6
5.975250	39.31		60.00	20.69	N	OFF	19.6
11.951250		22.52	50.00	27.48	N	OFF	19.7
11.951250	27.26		60.00	32.74	N	OFF	19.7
15.834750		20.14	50.00	29.86	N	OFF	19.8
15.834750	26.06		60.00	33.94	N	OFF	19.8
23.142750		23.67	50.00	26.33	N	OFF	19.9
23.142750	28.28		60.00	31.72	N	OFF	19.9

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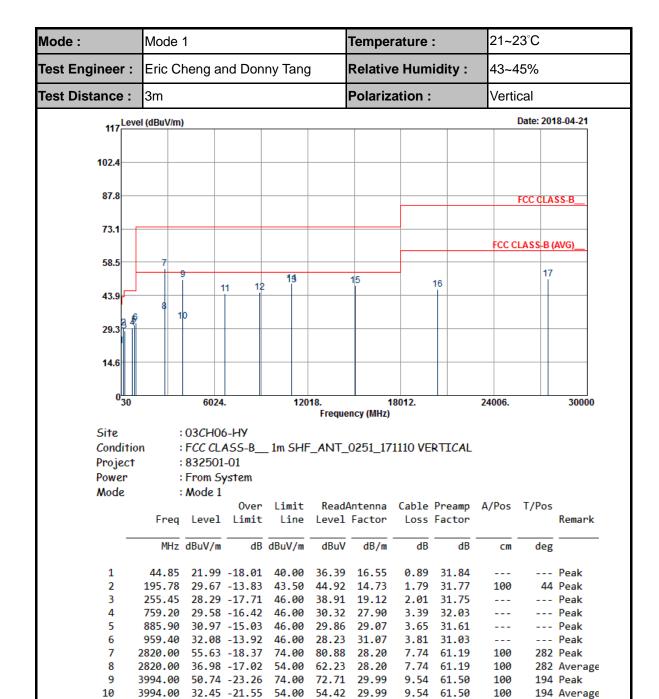
### **Appendix B. Radiated Emission Test Result**



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EMI TEST REPORT Report No. : FC832501-01



34.73 12.73

36.88 14.88

40.13 16.83

16.83

20.45

17.62

40.13

40.11

37.73

59.32

58.31

57.00

56.99

56.50

50.43

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--- Peak

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74.00 49.25

27468.00 51.21 -32.33 83.54 41.07 39.62 20.74 50.22

6716.00 44.50 -29.50 74.00 56.36

8930.00 45.31 -28.69 74.00 51.86

10998.00 48.42 -25.58 74.00 48.46

15066.00 48.27 -25.73 74.00 44.21

20364.00 46.70 -36.84 83.54 41.78

11004.00 49.22 -24.78

FAX: 886-3-328-4978

11

12

13

14

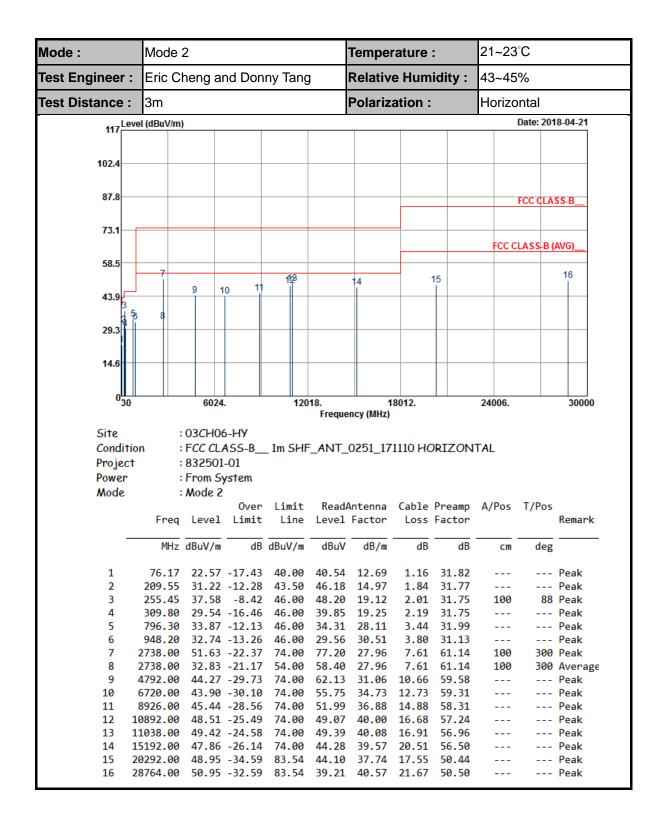
15

16

17



CC EMITEST REPORT Report No. : FC832501-01



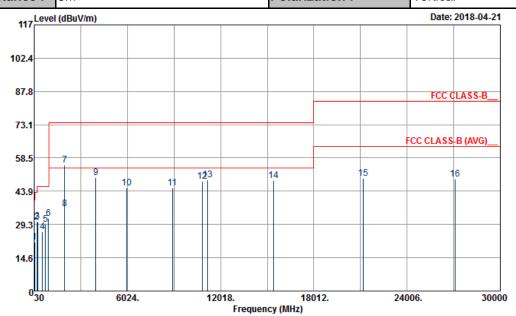
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 Mode :
 Mode 2
 Temperature :
 21~23°C

 Test Engineer :
 Eric Cheng and Donny Tang
 Relative Humidity :
 43~45%

 Test Distance :
 3m
 Polarization :
 Vertical



Site : 03CH06-HY

Condition : FCC CLASS-B\_\_ 1m SHF\_ANT\_0251\_171110 VERTICAL

Project : 832501-01 Power : From System Mode : Mode 2

	Freq	Level	Over Limit	Limit Line		ntenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
	rreq	rever	LIMIC	Line	rever	ractor	LUSS	ractor			Kelliark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	75.90	21.66	-18.34	40.00	39.77	12.56	1.15	31.82			Peak
2	201.18	30.34	-13.16	43.50	45.42	14.88	1.81	31.77	100	0	Peak
3	255.99	30.48	-15.52	46.00	40.97	19.25	2.01	31.75			Peak
4	567.40	26.03	-19.97	46.00	29.29	25.83	2.92	32.01			Peak
5	753.60	29.42	-16.58	46.00	30.23	27.85	3.38	32.04			Peak
6	952.40	31.88	-14.12	46.00	28.46	30.71	3.80	31.09			Peak
7	1992.00	55.31	-18.69	74.00	84.18	25.72	6.41	61.00	100	331	Peak
8	1992.00	36.02	-17.98	54.00	64.89	25.72	6.41	61.00	100	331	Average
9	3992.00	49.95	-24.05	74.00	71.92	29.99	9.54	61.50			Peak
10	5994.00	45.28	-28.72	74.00	59.57	32.83	11.78	58.90			Peak
11	8926.00	45.39	-28.61	74.00	51.94	36.88	14.88	58.31			Peak
12	10826.00	48.34	-25.66	74.00	49.26	39.92	16.57	57.41			Peak
13	11174.00	48.91	-25.09	74.00	48.78	39.86	17.09	56.82			Peak
14	15399.00	48.52	-25.48	74.00	45.64	38.77	20.61	56.50			Peak
15	21180.00	49.47	-34.07	83.54	43.36	37.98	18.41	50.28			Peak
16	27096.00	49.17	-34.37	83.54	39.39	39.77	20.38	50.37			Peak



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