

Report No.: FC941952



FCC EMI TEST REPORT

FCC ID : PY7-61363R Equipment : Wired headset

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 Apr. 19, 2019 and testing was started from Apr. 26, 2019 and completed on May 15, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, 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 INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Jones Tsai

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

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Report Template No.: BU5-FD15B Version 2.5

History of this test report

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Report No.	Version	Description	Issued Date
FC941952	01	Initial issue of report	May 10, 2019
FC941952	02	Add test data and test result.	May 15, 2019

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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 18.93 dB at 0.15225 MHz
3.2	15.109	Radiated Emission	Pass	Under limit 10.22 dB at 60.070 MHz

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.

Reviewed by: Louis Wu

Report Producer: Wii Chang

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1. General Description

1.1. Product Feature of Equipment Under Test

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

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Support Unit Accessory List				
Compart Dhama	FCC ID: PY7-24117P			
Smart Phone	S/N: QV71001X1T			

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

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		

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Test Site	SPORTON INTERNATIONAL INC.		
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855		
Test Site No.	Sporton Site No.		
iest one ivo.	03CH10-HY		

FCC Designation No.: TW1093 and TW1098

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

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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.

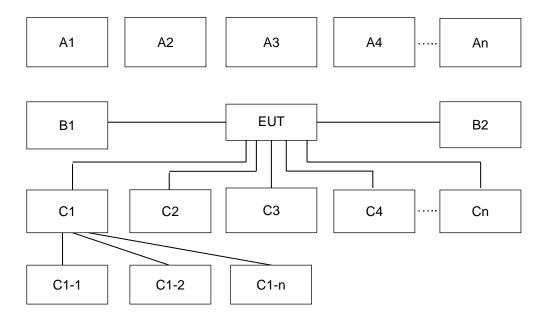
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Frequency range investigated: radiation emission (30MHz to the 5th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

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 Emission	Mode 1: EUT with Notebook + MP3 + Adapter
Radiated	Mode 1: EUT with Phone + GSM850 Idle Mode 2: EUT with Phone + GSM850 Link
Emissions	Mode 3: EUT with Notebook + MP3 + Adapter

2.2. Connection Diagram of Test System



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	Conduction Test Setup								
No.	Power Source	Connection Type			Те	st Mo	de		
140.	1 ower cource Connection type 1 -	-	-	-	-	-	-		
B1	Power from system	AC Power Cable	Х	-	-	-	•	-	-
No.	Setup Peripherals	Connection Type	1	-	-	-	-	-	-
C1	Notebook	USB Cable	Х	-	-	-	-	-	-
C1-1	IPod	USB Cable to C1	Х	1	-	-	-	-	-
C1-2	AP router	RJ-45 Cable to C1	Х	-	-	-	-	-	-

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	Radiation Test Setup									
No.	Wireless Station	Connection Type		Test Mode						
NO.	Wireless Station	Connection Type	1	2	3					
A1	System Simulator	GSM/UMTS/CDMA/ WCDMA/LTE	х	X						
No.	Setup Peripherals	Connection Type	1	2	3					
C1	Smart Phone	USB Type-C	Х	X						
C2	Notebook	USB Cable			X					
C2-1	IPod	USB Cable to C2			X					
C2-2	AP router	RJ-45 Cable to C2			Х					

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	Anritsu	8820C	N/A	N/A	Unshielded, 1.8 m
2.	Notebook	Dell	Latitude E6320	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
4.	iPod	Apple	A1199	FCC DoC	Shielded 1.0 m	N/A

2.4. EUT Operation Test Setup

The Smart Phone was in GSM. The Smart Phone was synchronized with the BCCH, and had been continuous receiving mode by setting paging reorganization of the system simulator.

At the same time, the EUT following programs installed in the EUT were programmed during the test:

1. EUT link with Notebook, the Notebook execute "Music Player" to play MP3 files.

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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

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

3.1.2 Measuring Instruments

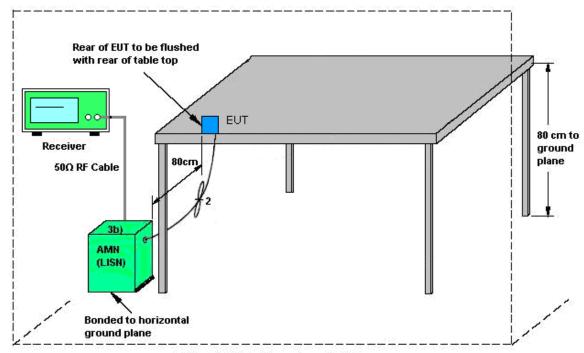
Refer a test equipment and calibration data table in this test report.

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.

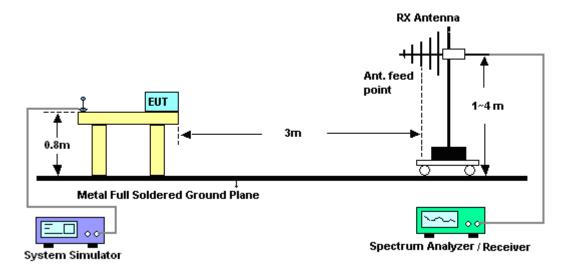
3.2.3. Test Procedures

- 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 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.
- 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

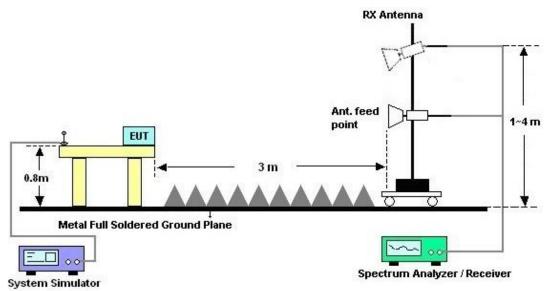
For radiated emissions from 30MHz to 1GHz



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: 02

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	May 14, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Nov. 12, 2018	May 14, 2019	Nov. 11, 2019	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Mar. 19, 2019	May 14, 2019	Mar. 18, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	May 14, 2019	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	May 14, 2019	Nov. 08, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	May 14, 2019	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Dec. 31, 2018	May 14, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A Dec. 31, 2018 May		May 14, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Amplifier	SONOMA	310N	187311	9kHz~1GHz Oct. 23, 2018 Apr. 26, 2019~ May 15, 2019		Oct. 22, 2019	Radiation (03CH10-HY)	
Bilog Antenna	TESEQ	CBL 6111D&0080 0N1D01N-06	35413&02	30MHz~1GHz	Feb. 12, 2019	Apr. 26, 2019~ May 15, 2019	Feb. 11, 2020	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBEC K	BBHA 9120 D	9120D-1325	1GHz ~ 18GHz	Oct. 02, 2018	Apr. 26, 2019~ May 15, 2019	Oct. 01, 2019	Radiation (03CH10-HY)
Preamplifier	Jet-Power	JAP0010180 0-30-10P	160118550004	1GHz~18GHz	Apr. 25, 2019	Apr. 26, 2019~ May 15, 2019	Apr. 24, 2020	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz ~ 44GHz	Nov. 02, 2018	Apr. 26, 2019~ May 15, 2019	Nov. 01, 2019	Radiation (03CH10-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Apr. 26, 2019~ May 15, 2019	N/A	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500 -B	N/A	1~4m	N/A	Apr. 26, 2019~ May 15, 2019	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	Apr. 26, 2019~ May 15, 2019	N/A	Radiation (03CH10-HY)
Software	Audix	E3 6.2009-8-24	RK-001042	N/A	N/A	Apr. 26, 2019~ May 15, 2019	N/A	Radiation (03CH10-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY54130085	20Hz ~ 8.4GHz	Nov. 01, 2018	Apr. 26, 2019~ May 15, 2019	Oct. 31, 2019	Radiation (03CH10-HY)

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Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Test Date		Due Date	Remark
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4PE, MY11693/4PE, MY2855/2	30M-1G	Nov. 08, 2018	Apr. 26, 2019~ May 15, 2019	Nov. 07, 2019	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4PE, MY11693/4PE, MY2855/2	1G-18G	Nov. 08, 2018	Apr. 26, 2019~ May 15, 2019	Nov. 07, 2019	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Oct. 16, 2018	Apr. 26, 2019~ May 15, 2019	Oct. 15, 2019	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30M~40GHz	Oct. 16, 2018	Apr. 26, 2019~ May 15, 2019	Oct. 15, 2019	Radiation (03CH10-HY)
SHF-EHF Horn Antenna	SCHWARZBEC K	BBHA 9170	BBHA9170584	18GHz- 40GHz	Dec. 05, 2018	Apr. 26, 2019~ May 15, 2019	Dec. 04, 2019	Radiation (03CH10-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 06, 2018	Apr. 26, 2019~ May 15, 2019	Dec. 05, 2019	Radiation (03CH10-HY)
Filter	Microwave	H1G013G1	SN477215	1.0G High Pass	Nov. 02, 2018 Apr. 26, 2019~ May 15, 2019 Nov. 01, 2019		Radiation (03CH10-HY)	
Filter	Wainwright	WLKS1200- 8SS	SN3	1.2G Low Pass	Nov. 02, 2018	Apr. 26, 2019~ May 15, 2019	Nov. 01, 2019	Radiation (03CH10-HY)

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5. Uncertainty of Evaluation

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

95% (U = 2Uc(y))

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

Measuring Uncertainty for a Level of Confidence of	5.60
95% (U = 2Uc(y))	5.00

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

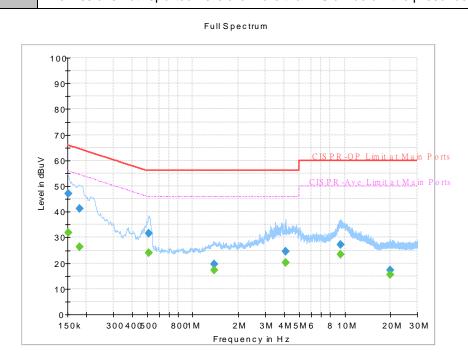
Measuring Uncertainty for a Level of Confidence of	5.20
95% (U = 2Uc(y))	5.20

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Appendix A. AC Conducted Emission Test Results

Test Mode :	Mode 1	Temperature :	24~26 ℃						
Test Engineer :	Jimmy Chang	Relative Humidity :	51~53%						
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	QuasiPeak	CAverage	Limit	Margin	Line	Filter	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)			(dB)
0.152250		31.79	55.88	24.09	L1	OFF	19.5
0.152250	46.95		65.88	18.93	L1	OFF	19.5
0.179250		26.46	54.52	28.06	L1	OFF	19.5
0.179250	41.19		64.52	23.33	L1	OFF	19.5
0.514500		24.12	46.00	21.88	L1	OFF	19.5
0.514500	31.59		56.00	24.41	L1	OFF	19.5
1.380750		17.29	46.00	28.71	L1	OFF	19.6
1.380750	19.66		56.00	36.34	L1	OFF	19.6
4.098750		20.04	46.00	25.96	L1	OFF	19.6
4.098750	24.45		56.00	31.55	L1	OFF	19.6
9.348000		23.28	50.00	26.72	L1	OFF	19.7
9.348000	27.26		60.00	32.74	L1	OFF	19.7
19.871250	-	15.49	50.00	34.51	L1	OFF	19.8
19.871250	17.32		60.00	42.68	L1	OFF	19.8

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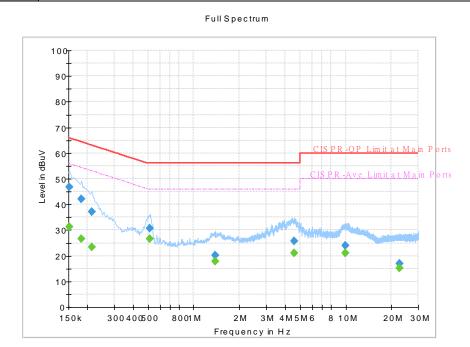
 Test Mode :
 Mode 1
 Temperature :
 24~26°C

 Test Engineer :
 Jimmy Chang
 Relative Humidity :
 51~53%

 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.

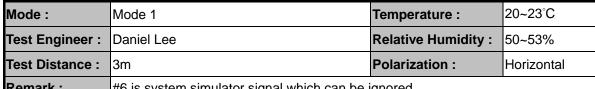


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250		31.28	55.88	24.60	N	OFF	19.5
0.152250	46.70	I	65.88	19.18	N	OFF	19.5
0.181500		26.69	54.42	27.73	N	OFF	19.5
0.181500	42.07	-	64.42	22.35	Ν	OFF	19.5
0.213000		23.42	53.09	29.67	N	OFF	19.5
0.213000	37.01		63.09	26.08	N	OFF	19.5
0.514500		26.47	46.00	19.53	Ν	OFF	19.5
0.514500	30.58	-	56.00	25.42	Ν	OFF	19.5
1.385250		17.70	46.00	28.30	Ν	OFF	19.5
1.385250	20.14	-	56.00	35.86	Ν	OFF	19.5
4.566750		21.13	46.00	24.87	Ν	OFF	19.6
4.566750	25.61	-	56.00	30.39	Ν	OFF	19.6
9.930750		21.15	50.00	28.85	Ν	OFF	19.7
9.930750	23.86	-	60.00	36.14	N	OFF	19.7
22.670250		15.29	50.00	34.71	Ν	OFF	19.9
22.670250	16.91		60.00	43.09	N	OFF	19.9

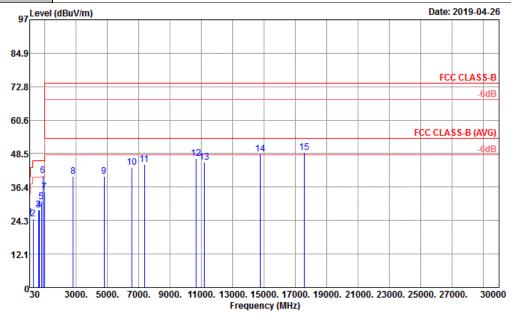
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Appendix B. Radiated Emission Test Result



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Remark: #6 is system simulator signal which can be ignored.



: 03CH10-HY Site

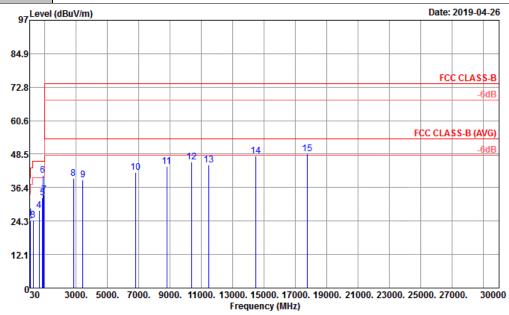
: FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Condition

			0ver	Limit	ReadA	ntenna	Cable	Preamp	A/Pos	T/Pos	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.97	25.30	-14.70	40.00	32.82	24.81	0.45	32.78			Peak
2	262.80	24.94	-21.06	46.00	35.84	19.89	1.81	32.60			Peak
3	584.84	28.15	-17.85	46.00	32.23	25.90	2.73	32.71			Peak
4	637.22	28.23	-17.77	46.00	31.37	26.60	2.92	32.66			Peak
5	789.51	30.99	-15.01	46.00	31.85	28.30	3.23	32.39			Peak
6	881.66	40.59			40.03	29.07	3.41	31.92			Peak
7	959.26	34.58	-11.42	46.00	31.00	31.29	3.53	31.24	100	0	Peak
8	2808.00	40.39	-33.61	74.00	66.97	27.93	7.35	61.86			Peak
9	4786.00	40.18	-33.82	74.00	62.84	31.13	8.51	62.30			Peak
10	6552.00	43.42	-30.58	74.00	62.00	34.30	10.18	63.06			Peak
11	7358.00	44.60	-29.40	74.00	60.85	36.58	10.84	63.67			Peak
12	10638.00	46.76	-27.24	74.00	58.49	39.56	12.94	64.23			Peak
13	11200.00	45.31	-28.69	74.00	56.38	39.40	13.37	63.84			Peak
14	14736.00	48.35	-25.65	74.00	55.12	41.29	15.15	63.21			Peak
15	17544.00	48.97	-25.03	74.00	52.93	41.51	17.01	62.48	100	0	Peak

TEL: 886-3-327-3456 Page Number : B1 of B6

Report No. : FC941952

Mode :	Mode 1	Temperature :	20~23°C					
Test Engineer :	Daniel Lee	Relative Humidity :	50~53%					
Test Distance :	3m	Polarization :	Vertical					
Remark :	#6 is system simulator signal which can be ignored.							



Site : 03CH10-HY

: FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Condition

			0ver	Limit	Read/	Antenna	Cable	Preamp	A/Pos	T/Pos	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.00	25.48	-14.52	40.00	32.51	25.30	0.45	32.78			Peak
2	54.25	24.35	-15.65	40.00	43.79	12.62	0.68	32.74			Peak
3	257.95	24.57	-21.43	46.00	35.71	19.67	1.79	32.60			Peak
4	639.16	28.21	-17.79	46.00	31.34	26.60	2.93	32.66			Peak
5	854.50	32.76	-13.24	46.00	32.15	29.30	3.38	32.07			Peak
6	881.66	40.84			40.28	29.07	3.41	31.92			Peak
7	956.35	33.73	-12.27	46.00	30.25	31.23	3.52	31.27	100	0	Peak
8	2818.00	39.74	-34.26	74.00	66.26	27.97	7.37	61.86			Peak
9	3420.00	39.06	-34.94	74.00	64.97	28.14	8.10	62.15			Peak
10	6818.00	41.91	-32.09	74.00	60.21	34.60	10.48	63.38			Peak
11	8796.00	43.92	-30.08	74.00	58.91	37.69	11.78	64.46			Peak
12	10386.00	45.72	-28.28	74.00	57.92	39.54	12.75	64.49			Peak
13	11454.00	44.63	-29.37	74.00	55.45	39.50	13.57	63.89			Peak
14	14490.00	47.94	-26.06	74.00	54.93	41.29	15.02	63.30			Peak
15	17742.00	48.58	-25.42	74.00	51.02	42.80	17.16	62.40	100	0	Peak

TEL: 886-3-327-3456 Page Number : B2 of B6

Mode 2

Mode:

Report No. : FC941952

20~23°C

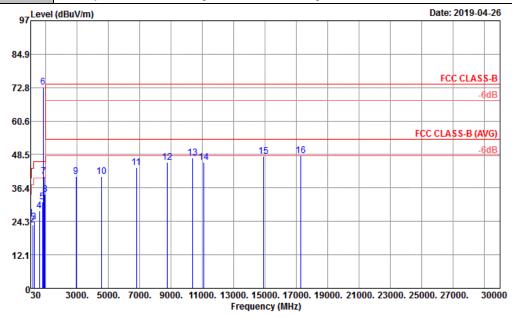
Temperature :

Test Engineer : Daniel Lee Relative Humidity : 50~53%

Test Distance : 3m Polarization : Horizontal

Remark:
#6 is mobile station signal which can be ignored.

#7 is system simulator signal which can be ignored.



Site : 03CH10-HY

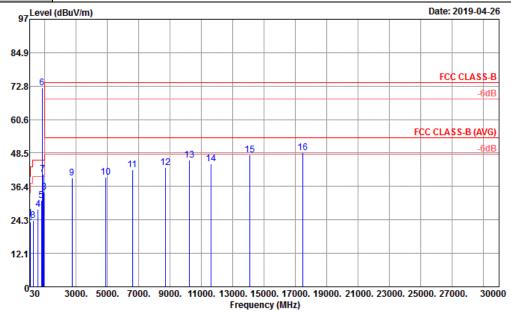
Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL

		Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
	-	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1		30.00	25.34	-14.66	40.00	32.37	25.30	0.45	32.78			Peak
2		165.80	22.94	-20.56	43.50	38.19	16.00	1.37	32.62			Peak
3		256.98	24.03	-21.97	46.00	35.32	19.52	1.79	32.60			Peak
4		588.72	28.15	-17.85	46.00	32.29	25.83	2.74	32.71			Peak
5		776.90	31.29	-14.71	46.00	32.10	28.40	3.21	32.42			Peak
6	*	836.07	73.04			73.12	28.76	3.33	32.17			Peak
7		881.66	40.48			39.92	29.07	3.41	31.92			Peak
8		954.41	34.00	-12.00	46.00	30.59	31.18	3.52	31.29	100	0	Peak
9		2936.00	40.52	-33.48	74.00	66.52	28.27	7.62	61.89			Peak
10		4566.00	40.54	-33.46	74.00	63.52	30.63	8.69	62.30			Peak
11		6774.00	43.73	-30.27	74.00	62.10	34.50	10.46	63.33			Peak
12		8766.00	45.67	-28.33	74.00	60.73	37.63	11.73	64.42			Peak
13		10346.00	47.38	-26.62	74.00	59.80	39.38	12.72	64.52			Peak
14		11096.00	45.71	-28.29	74.00	56.62	39.62	13.29	63.82			Peak
15		14904.00	47.83	-26.17	74.00	54.95	40.79	15.23	63.14			Peak
16		17262.00	47.96	-26.04	74.00	53.90	40.06	16.79	62.79	100	0	Peak

TEL: 886-3-327-3456 Page Number : B3 of B6

CC EMI TEST REPORT Report No. : FC941952

Mode :	Mode 2	Temperature :	20~23°C			
Test Engineer :	Daniel Lee	Relative Humidity :	50~53%			
Test Distance :	3m	Polarization :	Vertical			
IRomark ·	#6 is mobile station signal which can be ignerally is system simulator signal which can be					



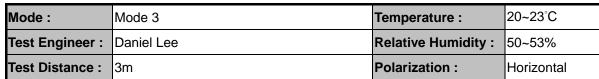
Site : 03CH10-HY

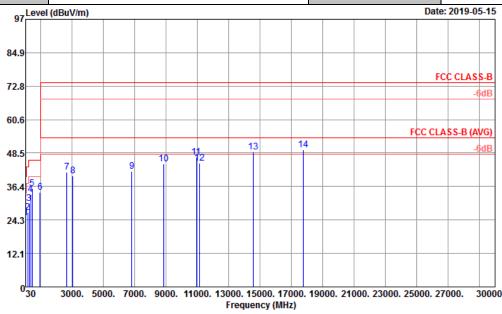
Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL

			0ver	Limit	ReadA	ntenna	Cable	Preamp	A/Pos	T/Pos	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	Cm	deg	
1	30.00	24.75	-15.25	40.00	31.78	25.30	0.45	32.78			Peak
2	54.25	23.46	-16.54	40.00	42.90	12.62	0.68	32.74			Peak
3	258.92	24.15	-21.85	46.00	35.13	19.83	1.79	32.60			Peak
4	564.47	28.12	-17.88	46.00	31.82	26.30	2.69	32.69			Peak
5	790.48	31.46	-14.54	46.00	32.32	28.30	3.23	32.39			Peak
6	* 837.04	72.23			72.24	28.82	3.34	32.17			Peak
7	881.66	40.84			40.28	29.07	3.41	31.92			Peak
8	952.47	34.31	-11.69	46.00	31.00	31.10	3.52	31.31	100	0	Peak
9	2742.00	39.42	-34.58	74.00	66.21	27.77	7.29	61.85			Peak
10	4894.00	39.60	-34.40	74.00	62.13	31.01	8.76	62.30			Peak
11	6590.00	42.51	-31.49	74.00	61.00	34.38	10.24	63.11			Peak
12	8692.00	43.28	-30.72	74.00	58.62	37.38	11.61	64.33			Peak
13	10210.00	46.03	-27.97	74.00	59.11	38.93	12.62	64.63			Peak
14	11632.00	44.64	-29.36	74.00	55.77	39.17	13.71	64.01			Peak
15	14070.00	47.84	-26.16	74.00	55.27	40.98	14.80	63.21			Peak
16	17448.00	48.51	-25.49	74.00	53.10	41.04	16.93	62.56	100	0	Peak

TEL: 886-3-327-3456 Page Number : B4 of B6

C EMI TEST REPORT Report No. : FC941952





Site : 03CH10-HY

Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL

			0ver	Limit	ReadAntenna		Cable	Preamp	A/Pos	T/Pos	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.00	25.10	-14.90	40.00	32.13	25.30	0.45	32.78			Peak
2	161.92	27.12	-16.38	43.50	42.09	16.31	1.34	32.62			Peak
3	264.74	30.23	-15.77	46.00	41.21	19.81	1.81	32.60			Peak
4	358.83	33.49	-12.51	46.00	43.42	20.65	2.04	32.62			Peak
5	450.98	35.73	-10.27	46.00	42.93	23.02	2.41	32.63	100	0	Peak
6	955.38	34.26	-11.74	46.00	30.81	31.21	3.52	31.28			Peak
7	2654.00	41.58	-32.42	74.00	68.68	27.51	7.22	61.83			Peak
8	3036.00	40.23	-33.77	74.00	65.89	28.47	7.79	61.92			Peak
9	6796.00	41.78	-32.22	74.00	60.07	34.58	10.49	63.36			Peak
10	8844.00	44.52	-29.48	74.00	59.53	37.70	11.80	64.51			Peak
11	10940.00	46.94	-27.06	74.00	57.60	40.04	13.17	63.87			Peak
12	11140.00	44.85	-29.15	74.00	55.83	39.52	13.33	63.83			Peak
13	14550.00	48.77	-25.23	74.00	55.75	41.25	15.05	63.28			Peak
14	17766.00	49.70	-24.30	74.00	51.82	43.09	17.18	62.39	100	0	Peak

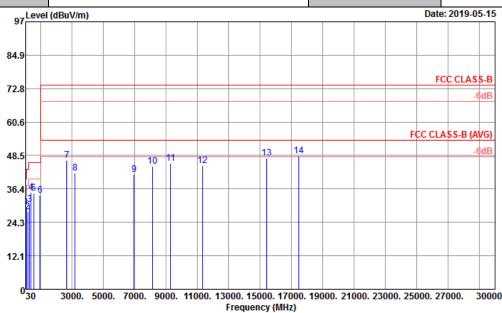
TEL: 886-3-327-3456 Page Number : B5 of B6

Mode 3

Mode:

Test Engineer : Daniel Lee Relative Humidity : 50~53%

Test Distance : 3m Polarization : Vertical



Site : 03CH10-HY

Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL

			0ver	Limit	ReadAntenna		Cable Preamp		A/Pos	T/Pos	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	CM	deg	
1	60.07	29.78	-10.22	40.00	49.89	11.90	0.72	32.73	100	0	Peak
2	159.01	28.09	-15.41	43.50	42.78	16.60	1.33	32.62			Peak
3	287.05	30.74	-15.26	46.00	42.42	19.04	1.89	32.61			Peak
4	377.26	35.23	-10.77	46.00	44.72	20.99	2.14	32.62			Peak
5	532.46	34.78	-11.22	46.00	40.84	24.00	2.61	32.67			Peak
6	954.41	34.16	-11.84	46.00	30.75	31.18	3.52	31.29			Peak
7	2654.00	46.86	-27.14	74.00	73.96	27.51	7.22	61.83			Peak
8	3188.00	42.18	-31.82	74.00	67.67	28.62	7.90	62.01			Peak
9	6944.00	41.58	-32.42	74.00	59.52	35.18	10.41	63.53			Peak
10	8136.00	44.49	-29.51	74.00	60.01	36.96	11.26	63.74			Peak
11	9278.00	45.67	-28.33	74.00	59.81	38.56	12.00	64.70			Peak
12	11338.00	44.88	-29.12	74.00	55.83	39.44	13.48	63.87			Peak
13	15402.00	47.55	-26.45	74.00	56.28	38.79	15.50	63.02			Peak
14	17454.00	48.43	-25.57	74.00	52.99	41.06	16.94	62.56	100	0	Peak



Report No. : FC941952

20~23°C

Temperature :

TEL: 886-3-327-3456 Page Number : B6 of B6