FCC EMI TEST REPORT

FCC ID	:	**PY7-43143E**
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. 11, 2018 and completed on Apr. 19, 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.

Jones Tsai

Approved by: Jones Tsai

SPORTON INTERTIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FC832504-01	01	Initial issue of report	Jun. 04, 2018
FC832504-01	02	Add the description in section 2.1.	Jun. 29, 2018

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.107	AC Conducted Emission	Pass	Under limit 12.49 dB at 0.546 MHz
3.2	15.109	Radiated Emission	Pass	Under limit 8.90 dB at 279.210 MHz

Reviewed by: Louis Wu

Report Producer: Nancy Yang

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.

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

EUT Information List			
HW Version	SW Version	S/N	Performed Test Item
A	9.29	CQ3000PB47	Conducted Emission Radiated Emission

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

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.

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.**	
	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.

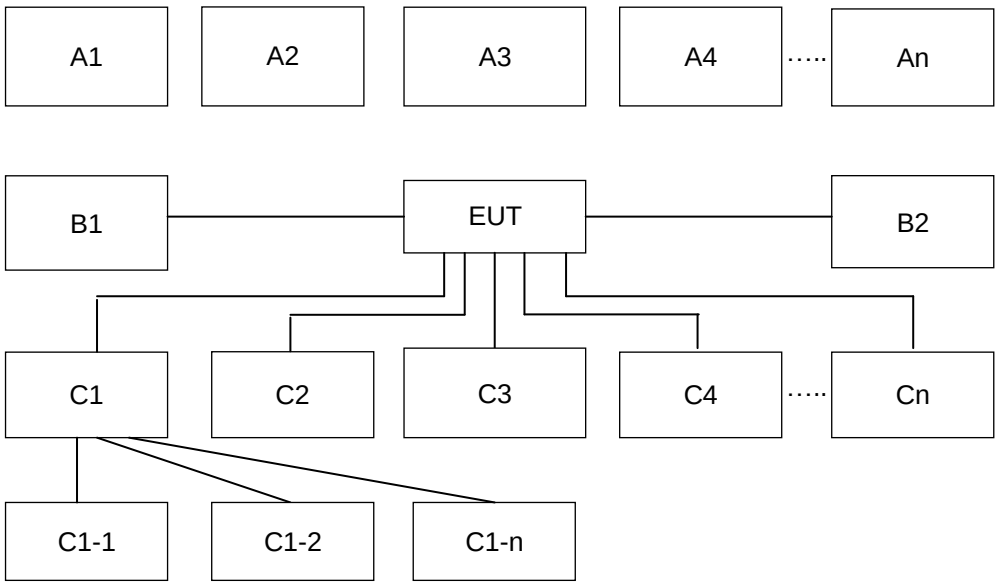
2. Test Configuration of Equipment Under Test

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).
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: Flight Mode + USB Cable (Data Link with Notebook) + Battery + Earphone + SIM 1 Mode 2: Flight Mode + USB Cable (Data Link with Notebook) + Battery + Earphone + SIM 2
Radiated Emissions	Mode 1: Flight Mode + USB Cable (Data Link with Notebook) + Battery + Earphone + SIM 1 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.	

2.2. Connection Diagram of Test System



Test Setup									
No.	Setup Peripherals	Connection Type	Test Mode						
			1	2					
C1	Notebook	USB Cable	X	X					
C1-1	Music Player	USB Cable to C1	X	X					
C1-2	AP router	RJ-45 Cable to C1	X	X					
C2	Earphone	Earphone jack	X	X					
C3	SD card	SD I/O interface without Cable	X	X					

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, 1.8 m
2.	Music Player	Apple	A1285	FCC DoC	Shielded, 1.0 m	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

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.

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 (MHz)	Conducted limit (dBuV)	
	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.

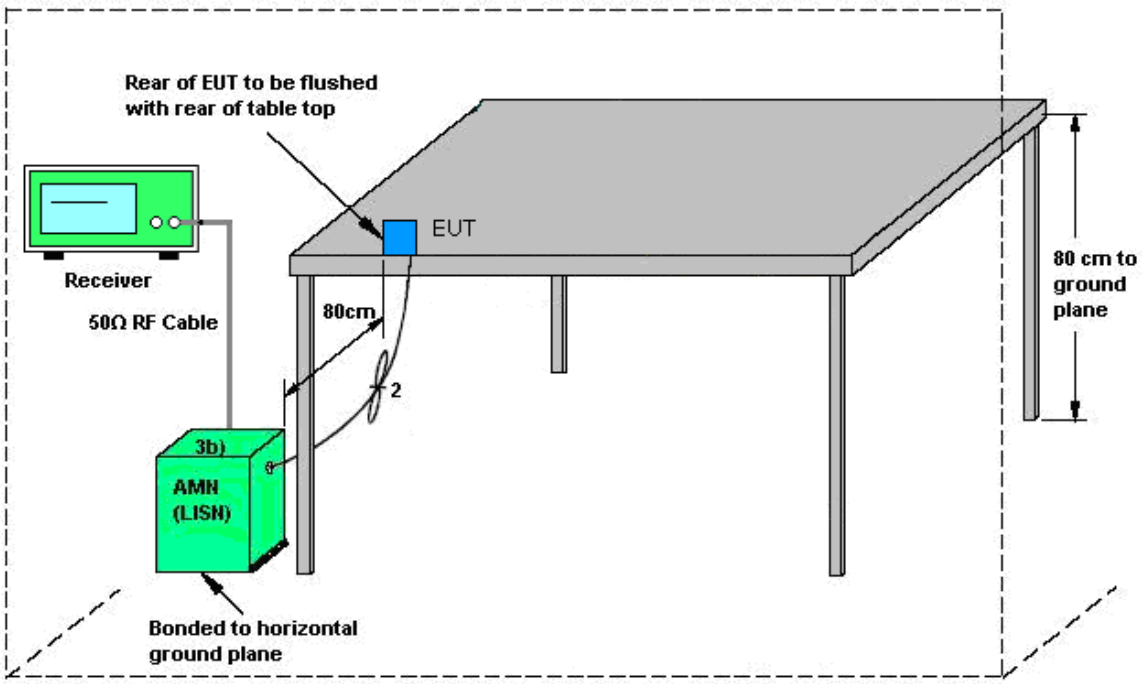
3.1.2 Measuring Instruments

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.

3.1.4 Test Setup



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.

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 (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

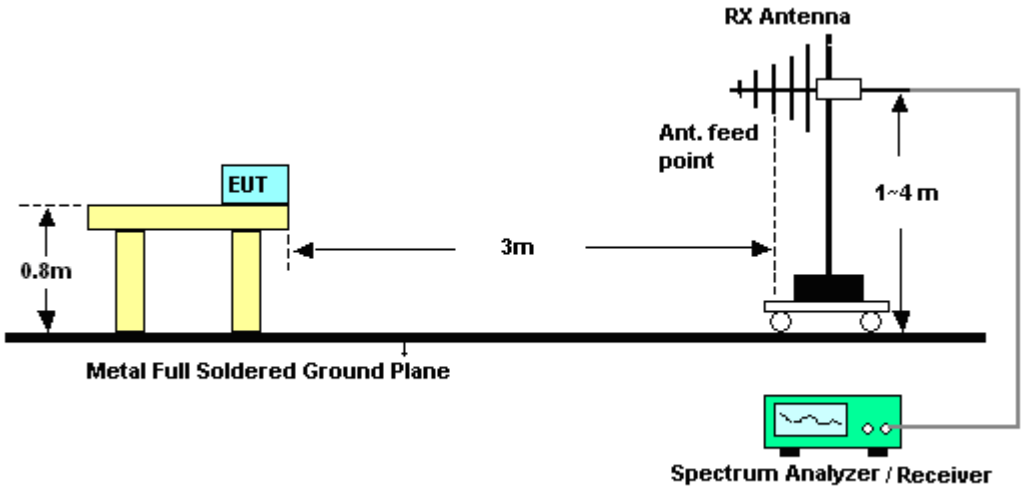
Refer a test equipment and calibration data table in this test report.

3.2.3. Test Procedures

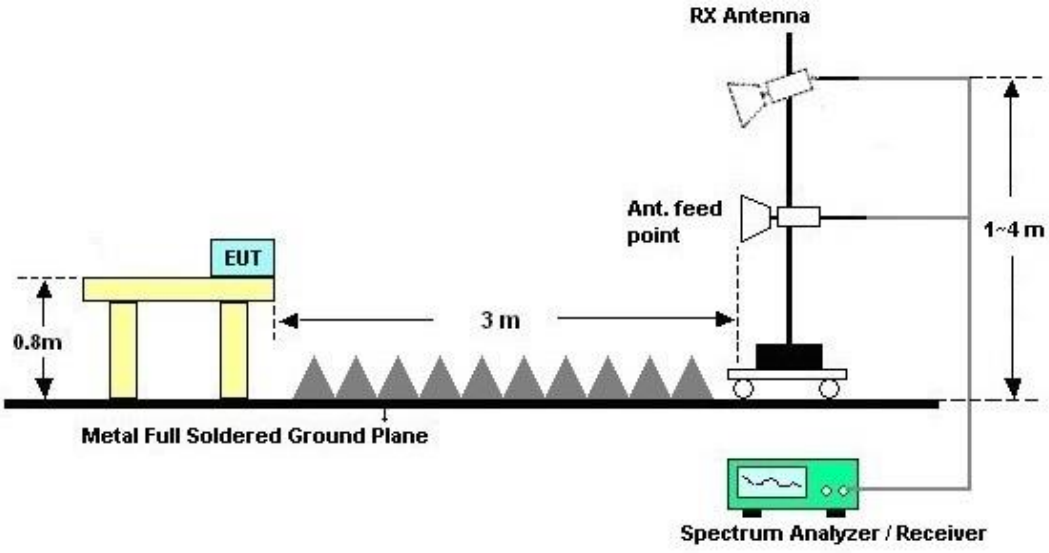
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna 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 (dBμV/m) = 20 log Emission level (μV/m)
9. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.2.5. Test Result of Radiated Emission

Please refer to Appendix B.

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. 11, 2018	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	3.6GHz	Dec. 08, 2017	Apr. 11, 2018	Dec. 07, 2018	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	May 02, 2017	Apr. 11, 2018	May 01, 2018	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 30, 2017	Apr. 11, 2018	Nov. 29, 2018	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Dec. 08, 2017	Apr. 11, 2018	Dec. 07, 2018	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 03, 2018	Apr. 11, 2018	Jan. 02, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Apr. 11, 2018	N/A	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 03, 2018	Apr. 11, 2018	Jan. 02, 2019	Conduction (CO05-HY)
Bilog Antenna	Schaffner	CBL6111C&N-6-06	2725&AT-N0601	30MHz~1GHz	Oct. 14, 2017	Apr. 17, 2018 ~ Apr. 19, 2018	Oct. 13, 2018	Radiation (03CH06-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100472	20Hz~26.5GHz	Jan. 04, 2018	Apr. 17, 2018 ~ Apr. 19, 2018	Jan. 03, 2019	Radiation (03CH06-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 15, 2018	Apr. 17, 2018 ~ Apr. 19, 2018	Mar. 14, 2019	Radiation (03CH06-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1156	1GHz~18GHz	Aug. 08, 2017	Apr. 17, 2018 ~ Apr. 19, 2018	Aug. 07, 2018	Radiation (03CH06-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz ~ 40GHz	Apr. 27, 2017	Apr. 17, 2018 ~ Apr. 19, 2018	Apr. 26, 2018	Radiation (03CH06-HY)
Preamplifier	SONOMA	310N	186713	9kHz~1GHz	Apr. 25, 2017	Apr. 17, 2018 ~ Apr. 19, 2018	Apr. 24, 2018	Radiation (03CH06-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1850117	1GHz ~ 18GHz	May 22, 2017	Apr. 17, 2018 ~ Apr. 19, 2018	May 21, 2018	Radiation (03CH06-HY)
Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz, VSWR : 2.5:1 max	Jul. 18, 2017	Apr. 17, 2018 ~ Apr. 19, 2018	Jul. 17, 2018	Radiation (03CH06-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30M~40GHz	Oct. 17, 2017	Apr. 17, 2018 ~ Apr. 19, 2018	Oct. 16, 2018	Radiation (03CH06-HY)
RF Cable	HUBER+SUHNER/UTIFLEX	SUCOFLEX 104 / UFA210A	MY24966/4 / LF-01	30MHz-1GHz	Nov. 24, 2017	Apr. 17, 2018 ~ Apr. 19, 2018	Nov. 23, 2018	Radiation (03CH06-HY)
RF Cable	Infinet/Sunhner	LL142/SF104	CA3601-3601-HLL	1GHz-26GHz	Nov. 24, 2017	Apr. 17, 2018 ~ Apr. 19, 2018	Nov. 23, 2018	Radiation (03CH06-HY)
Antenna Mast	MF	MF-7802	MF780208212	1m~4m	N/A	Apr. 17, 2018 ~ Apr. 19, 2018	N/A	Radiation (03CH06-HY)
Turn Table	INN-CO	DS2000	420/650/00	0-360 degree	N/A	Apr. 17, 2018 ~ Apr. 19, 2018	N/A	Radiation (03CH06-HY)
Hygrometer	WISEWIND	410	BU5004	N/A	Mar. 06, 2018	Apr. 17, 2018 ~ Apr. 19, 2018	Mar. 05, 2019	Radiation (03CH06-HY)
Test Software	AUDIX	e3	6.2009-8-24(k5)	N/A	N/A	Apr. 17, 2018 ~ Apr. 19, 2018	N/A	Radiation (03CH06-HY)

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**

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

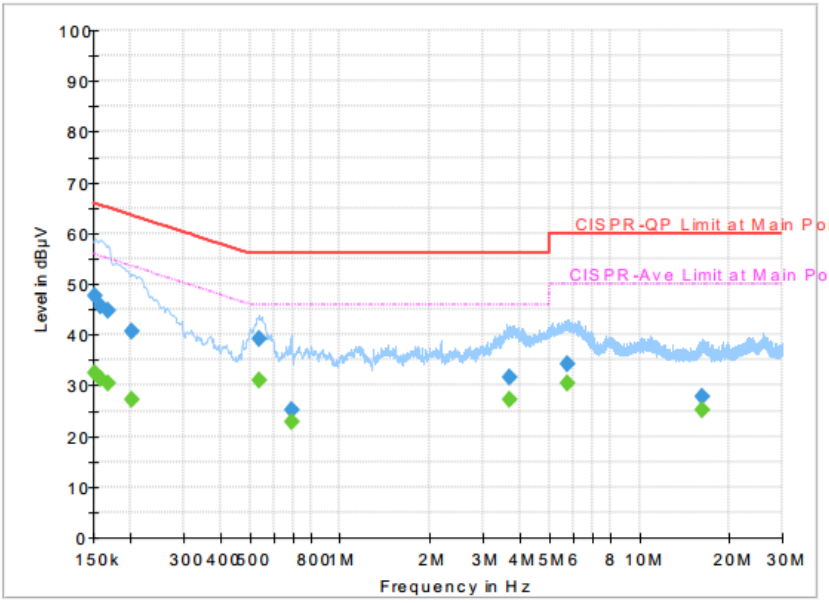
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.90**

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

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

Appendix A. AC Conducted Emission Test Results

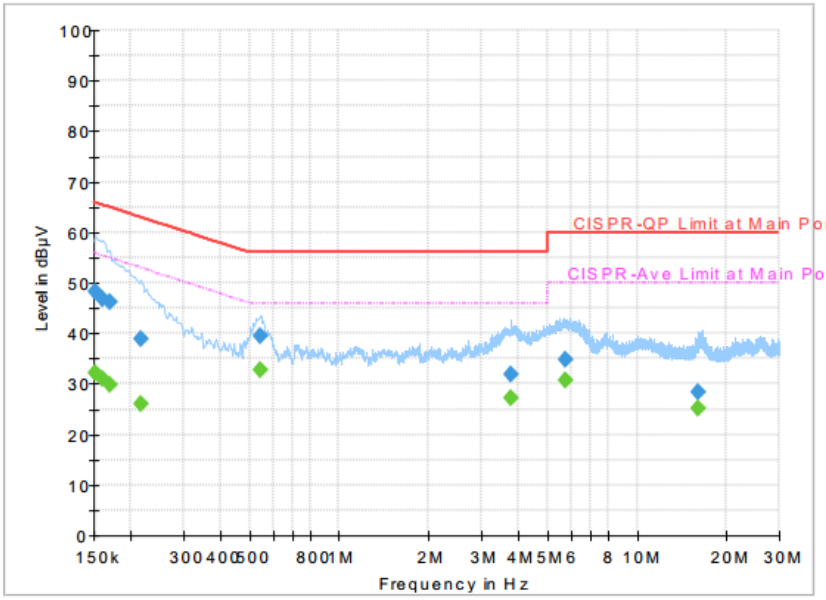
Test Mode :	Mode 1	**Temperature :**	24~26℃
Test Engineer :	Shareef Yu	**Relative Humidity :**	66~68%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	32.47	55.88	23.41	L1	OFF	19.5
0.152250	47.56	---	65.88	18.32	L1	OFF	19.5
0.159000	---	31.30	55.52	24.22	L1	OFF	19.5
0.159000	45.73	---	65.52	19.79	L1	OFF	19.5
0.168000	---	30.33	55.06	24.73	L1	OFF	19.5
0.168000	44.67	---	65.06	20.39	L1	OFF	19.5
0.201750	---	27.28	53.54	26.26	L1	OFF	19.5
0.201750	40.54	---	63.54	23.00	L1	OFF	19.5
0.534750	---	31.12	46.00	14.88	L1	OFF	19.5
0.534750	39.18	---	56.00	16.82	L1	OFF	19.5
0.687750	---	22.94	46.00	23.06	L1	OFF	19.5
0.687750	25.25	---	56.00	30.75	L1	OFF	19.5
3.669000	---	27.09	46.00	18.91	L1	OFF	19.6
3.669000	31.47	---	56.00	24.53	L1	OFF	19.6
5.757000	---	30.42	50.00	19.58	L1	OFF	19.6
5.757000	34.12	---	60.00	25.88	L1	OFF	19.6
16.147500	---	25.04	50.00	24.96	L1	OFF	19.8
16.147500	27.66	---	60.00	32.34	L1	OFF	19.8

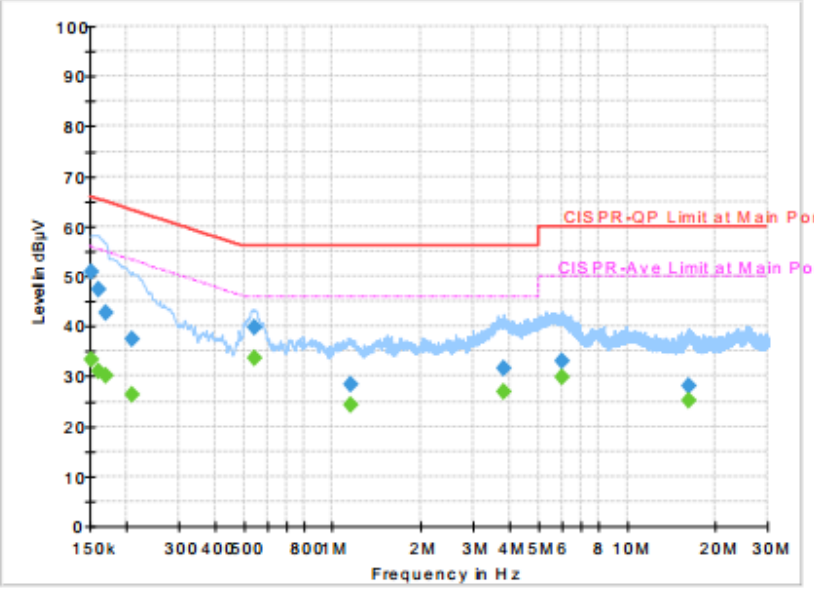
Test Mode :	Mode 1	**Temperature :**	24~26℃
Test Engineer :	Shareef Yu	**Relative Humidity :**	66~68%
Test Voltage :	120Vac / 60Hz	**Phase :**	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	32.23	55.88	23.65	N	OFF	19.5
0.152250	48.13	---	65.88	17.75	N	OFF	19.5
0.161250	---	30.94	55.40	24.46	N	OFF	19.5
0.161250	46.83	---	65.40	18.57	N	OFF	19.5
0.170250	---	29.75	54.95	25.20	N	OFF	19.5
0.170250	46.10	---	64.95	18.85	N	OFF	19.5
0.215250	---	25.97	53.00	27.03	N	OFF	19.5
0.215250	38.97	---	63.00	24.03	N	OFF	19.5
0.543750	---	32.87	46.00	13.13	N	OFF	19.5
0.543750	39.56	---	56.00	16.44	N	OFF	19.5
3.779250	---	27.06	46.00	18.94	N	OFF	19.6
3.779250	31.92	---	56.00	24.08	N	OFF	19.6
5.772750	---	30.71	50.00	19.29	N	OFF	19.6
5.772750	34.76	---	60.00	25.24	N	OFF	19.6
16.086750	---	25.21	50.00	24.79	N	OFF	19.8
16.086750	28.44	---	60.00	31.56	N	OFF	19.8

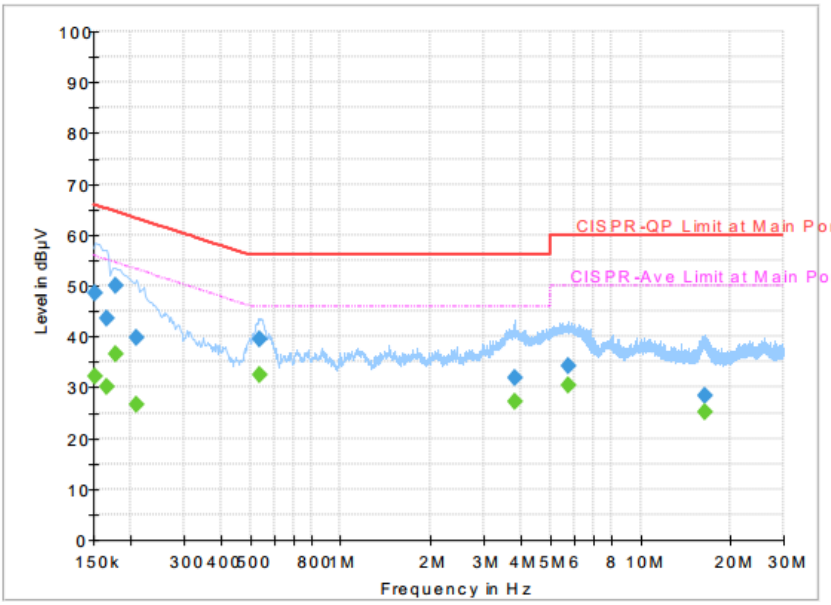
Test Mode :	Mode 2	Temperature :	24~26℃
Test Engineer :	Shareef Yu	Relative Humidity :	66~68%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	33.47	55.88	22.41	L1	OFF	19.5
0.152250	50.75	---	65.88	15.13	L1	OFF	19.5
0.161250	---	30.91	55.40	24.49	L1	OFF	19.5
0.161250	47.27	---	65.40	18.13	L1	OFF	19.5
0.170250	---	30.11	54.95	24.84	L1	OFF	19.5
0.170250	42.64	---	64.95	22.31	L1	OFF	19.5
0.208500	---	26.44	53.27	26.83	L1	OFF	19.5
0.208500	37.35	---	63.27	25.92	L1	OFF	19.5
0.546000	---	33.51	46.00	12.49	L1	OFF	19.5
0.546000	39.64	---	56.00	16.36	L1	OFF	19.5
1.149000	---	24.33	46.00	21.67	L1	OFF	19.6
1.149000	28.30	---	56.00	27.70	L1	OFF	19.6
3.813000	---	27.05	46.00	18.95	L1	OFF	19.6
3.813000	31.54	---	56.00	24.46	L1	OFF	19.6
6.045000	---	29.68	50.00	20.32	L1	OFF	19.6
6.045000	33.18	---	60.00	26.82	L1	OFF	19.6
16.210500	---	25.20	50.00	24.80	L1	OFF	19.8
16.210500	28.01	---	60.00	31.99	L1	OFF	19.8

Test Mode :	Mode 2	Temperature :	24~26℃
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.		

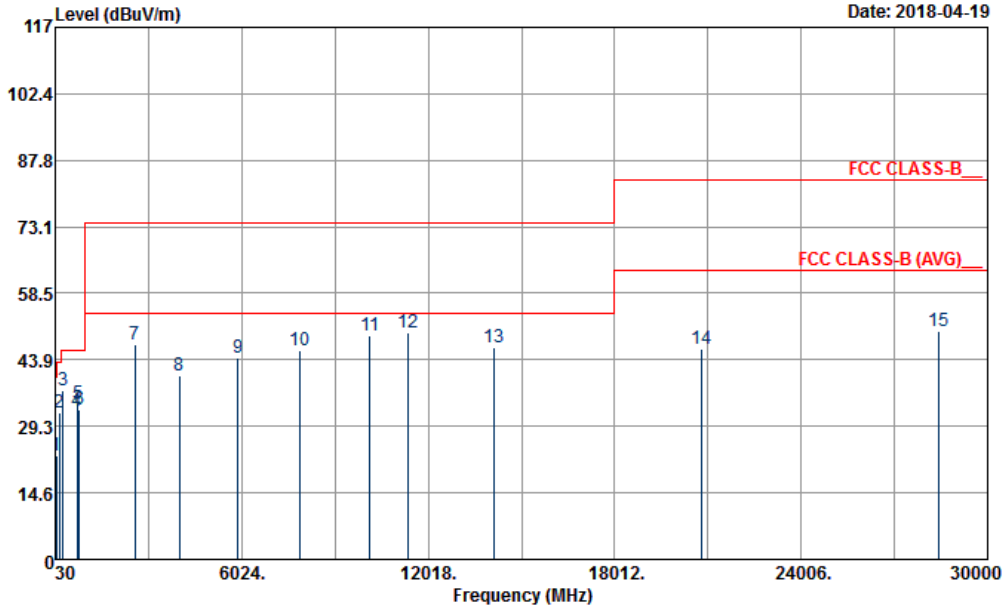


Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	32.13	55.88	23.75	N	OFF	19.5
0.152250	48.42	---	65.88	17.46	N	OFF	19.5
0.165750	---	30.02	55.17	25.15	N	OFF	19.5
0.165750	43.69	---	65.17	21.48	N	OFF	19.5
0.177000	---	36.52	54.63	18.11	N	OFF	19.5
0.177000	50.04	---	64.63	14.59	N	OFF	19.5
0.208500	---	26.54	53.27	26.73	N	OFF	19.5
0.208500	39.73	---	63.27	23.54	N	OFF	19.5
0.537000	---	32.34	46.00	13.66	N	OFF	19.5
0.537000	39.44	---	56.00	16.56	N	OFF	19.5
3.799500	---	27.25	46.00	18.75	N	OFF	19.6
3.799500	31.79	---	56.00	24.21	N	OFF	19.6
5.757000	---	30.49	50.00	19.51	N	OFF	19.6
5.757000	34.14	---	60.00	25.86	N	OFF	19.6
16.489500	---	25.13	50.00	24.87	N	OFF	19.8
16.489500	28.37	---	60.00	31.63	N	OFF	19.8

Appendix B. Radiated Emission Test Result

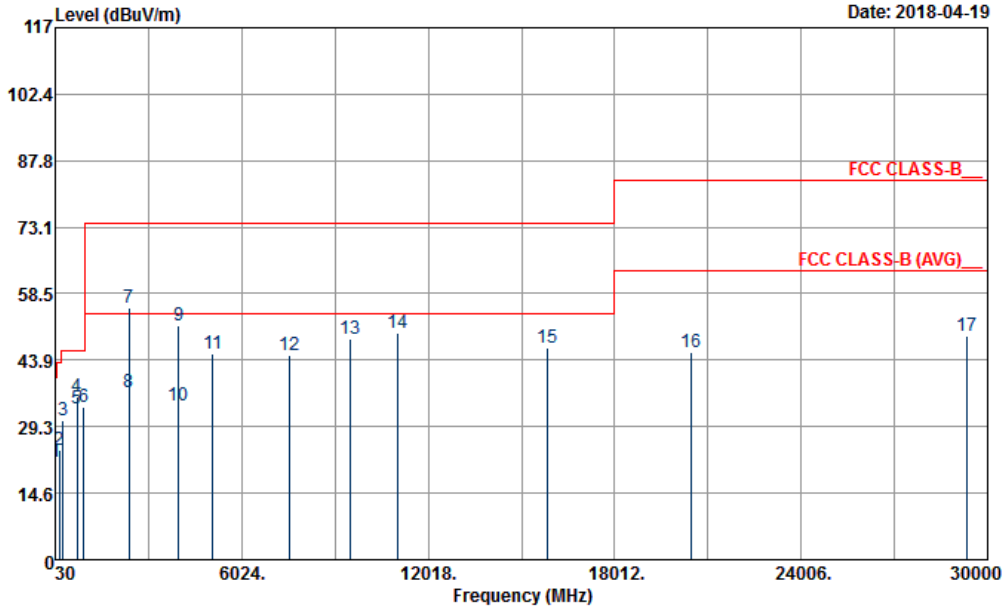
Mode :	Mode 1	Temperature :	21~23°C
Test Engineer :	Donny Tang	Relative Humidity :	43~45%
Test Distance :	3m	Polarization :	Horizontal



Site : 03CH06-HY
Condition : FCC CLASS-B__ 1m SHF-EHF HORN HORIZONTAL
Project : 832504-01
Power : From System
Memo : Mode 1

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	57.81	22.82	-17.18	40.00	41.85	11.80	1.01	31.84	---	---	Peak
2	170.40	32.22	-11.28	43.50	47.03	15.30	1.67	31.78	---	---	Peak
3	279.21	37.10	-8.90	46.00	48.07	18.69	2.09	31.75	100	190	Peak
4	733.30	32.65	-13.35	46.00	33.96	27.43	3.33	32.07	---	---	Peak
5	745.90	34.06	-11.94	46.00	34.97	27.77	3.37	32.05	---	---	Peak
6	796.30	32.78	-13.22	46.00	33.22	28.11	3.44	31.99	---	---	Peak
7	2596.00	47.33	-26.67	74.00	73.41	27.57	7.41	61.06	---	---	Peak
8	4014.00	40.46	-33.54	74.00	62.38	30.01	9.54	61.47	---	---	Peak
9	5906.00	44.42	-29.58	74.00	58.70	32.65	11.80	58.73	---	---	Peak
10	7898.00	45.96	-28.04	74.00	54.06	36.52	13.84	58.46	---	---	Peak
11	10142.00	49.14	-24.86	74.00	53.51	38.78	15.56	58.71	---	---	Peak
12	11390.00	49.98	-24.02	74.00	49.64	39.52	17.43	56.61	100	212	Peak
13	14112.00	46.45	-27.55	74.00	53.74	41.12	12.51	60.92	---	---	Peak
14	20820.00	46.36	-37.18	83.54	39.25	38.03	22.84	53.76	---	---	Peak
15	28440.00	50.03	-33.51	83.54	36.02	39.87	28.53	54.39	---	---	Peak

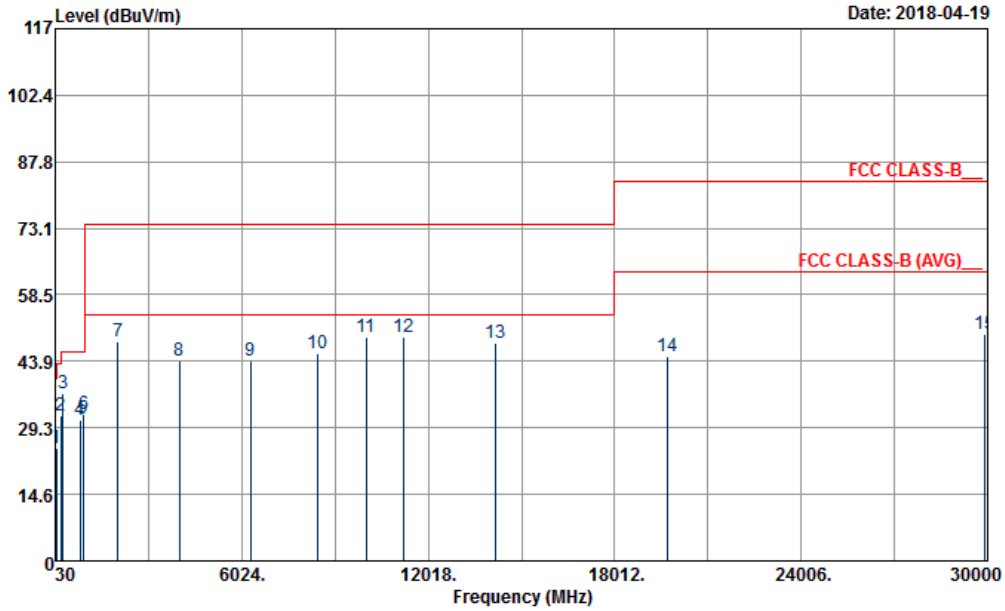
Mode :	Mode 1	Temperature :	21~23°C
Test Engineer :	Donny Tang	Relative Humidity :	43~45%
Test Distance :	3m	Polarization :	Vertical



Site : 03CH06-HY
Condition : FCC CLASS-B__ 1m SHF-EHF HORN VERTICAL
Project : 832504-01
Power : From System
Memo : Mode 1

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.00	21.61	-18.39	40.00	28.54	24.17	0.74	31.84	---	---	Peak
2	165.81	24.06	-19.44	43.50	38.42	15.77	1.65	31.78	---	---	Peak
3	280.29	30.55	-15.45	46.00	41.57	18.64	2.09	31.75	---	---	Peak
4	733.30	35.78	-10.22	46.00	37.09	27.43	3.33	32.07	100	122	Peak
5	742.40	33.35	-12.65	46.00	34.32	27.74	3.35	32.06	---	---	Peak
6	955.90	33.52	-12.48	46.00	29.85	30.92	3.81	31.06	---	---	Peak
7	2398.00	55.30	-18.70	74.00	82.32	26.96	7.02	61.00	100	267	Peak
8	2398.00	36.82	-17.18	54.00	63.84	26.96	7.02	61.00	100	267	Average
9	4008.00	51.57	-22.43	74.00	73.49	30.01	9.54	61.47	100	213	Peak
10	4008.00	33.88	-20.12	54.00	55.80	30.01	9.54	61.47	100	213	Average
11	5090.00	45.35	-28.65	74.00	61.81	31.53	10.84	58.83	---	---	Peak
12	7570.00	44.91	-29.09	74.00	53.95	36.34	13.61	58.99	---	---	Peak
13	9518.00	48.62	-25.38	74.00	54.52	37.37	15.53	58.80	---	---	Peak
14	11018.00	49.89	-24.11	74.00	49.89	40.10	16.87	56.97	---	---	Peak
15	15849.00	46.54	-27.46	74.00	53.95	37.85	13.41	58.67	---	---	Peak
16	20472.00	45.64	-37.90	83.54	38.43	37.87	23.05	53.71	---	---	Peak
17	29328.00	49.05	-34.49	83.54	34.21	40.30	28.84	54.30	---	---	Peak

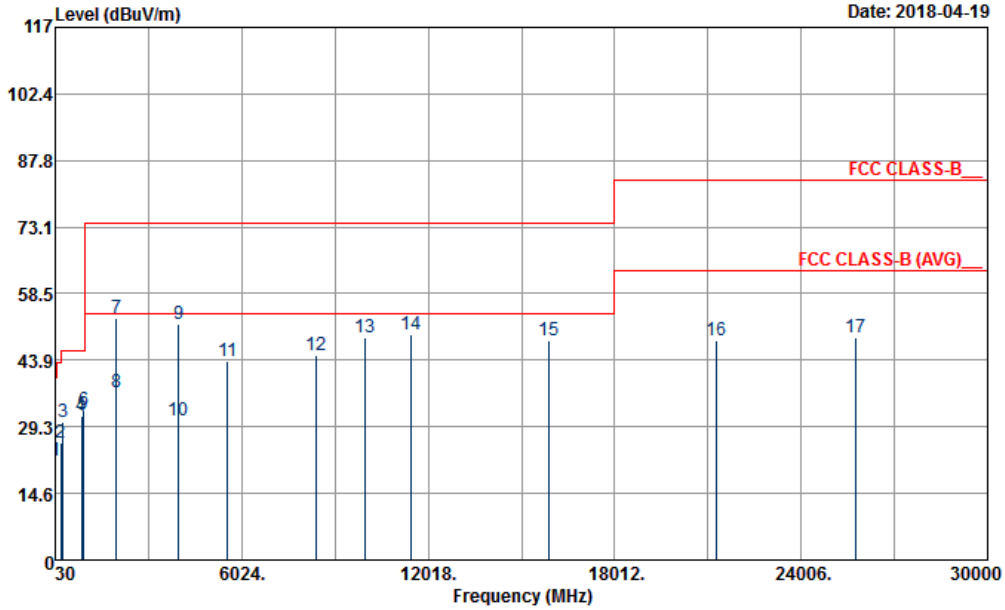
Mode :	Mode 2	Temperature :	21~23°C
Test Engineer :	Donny Tang	Relative Humidity :	43~45%
Test Distance :	3m	Polarization :	Horizontal



Site : 03CH06-HY
Condition : FCC CLASS-B__ 1m SHF-EHF HORN HORIZONTAL
Project : 832504-01
Power : From System
Memo : Mode 2

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	58.08	24.69	-15.31	40.00	43.72	11.80	1.01	31.84	---	---	Peak
2	210.36	31.92	-11.58	43.50	46.85	14.99	1.85	31.77	---	---	Peak
3	281.10	36.87	-9.13	46.00	47.86	18.66	2.10	31.75	100	113	Peak
4	835.50	30.86	-15.14	46.00	30.75	28.35	3.59	31.83	---	---	Peak
5	925.80	31.14	-14.86	46.00	29.18	29.55	3.73	31.32	---	---	Peak
6	958.70	32.15	-13.85	46.00	28.35	31.02	3.81	31.03	---	---	Peak
7	2040.00	48.13	-25.87	74.00	76.78	25.84	6.51	61.00	---	---	Peak
8	4018.00	44.04	-29.96	74.00	65.92	30.02	9.54	61.44	---	---	Peak
9	6318.00	43.94	-30.06	74.00	57.37	33.69	12.10	59.22	---	---	Peak
10	8460.00	45.70	-28.30	74.00	52.49	36.60	14.45	57.84	---	---	Peak
11	10034.00	49.06	-24.94	74.00	54.01	38.54	15.37	58.86	---	---	Peak
12	11228.00	49.32	-24.68	74.00	49.15	39.76	17.17	56.76	100	168	Peak
13	14184.00	47.85	-26.15	74.00	55.01	41.14	12.55	60.85	---	---	Peak
14	19704.00	44.91	-38.63	83.54	38.55	37.72	22.32	53.68	---	---	Peak
15	29916.00	49.99	-33.55	83.54	34.84	40.13	29.49	54.47	---	---	Peak

Mode :	Mode 2	Temperature :	21~23°C
Test Engineer :	Donny Tang	Relative Humidity :	43~45%
Test Distance :	3m	Polarization :	Vertical



Site : 03CH06-HY
Condition : FCC CLASS-B__ 1m SHF-EHF HORN VERTICAL
Project : 832504-01
Power : From System
Memo : Mode 2

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.27	21.72	-18.28	40.00	28.65	24.17	0.74	31.84	---	---	Peak
2	209.82	25.64	-17.86	43.50	40.60	14.97	1.84	31.77	---	---	Peak
3	281.37	30.22	-15.78	46.00	41.21	18.66	2.10	31.75	---	---	Peak
4	883.10	31.75	-14.25	46.00	30.63	29.09	3.65	31.62	---	---	Peak
5	923.00	31.80	-14.20	46.00	29.98	29.45	3.72	31.35	---	---	Peak
6	958.00	32.89	-13.11	46.00	29.10	31.02	3.81	31.04	100	111	Peak
7	1992.00	53.07	-20.93	74.00	81.94	25.72	6.41	61.00	100	291	Peak
8	1992.00	36.91	-17.09	54.00	65.78	25.72	6.41	61.00	100	291	Average
9	3991.00	51.88	-22.12	74.00	73.85	29.99	9.54	61.50	100	249	Peak
10	3991.00	30.52	-23.48	54.00	52.49	29.99	9.54	61.50	100	249	Average
11	5570.00	43.81	-30.19	74.00	58.42	31.93	11.58	58.12	---	---	Peak
12	8402.00	44.99	-29.01	74.00	51.95	36.60	14.34	57.90	---	---	Peak
13	10012.00	48.90	-25.10	74.00	53.94	38.51	15.33	58.88	---	---	Peak
14	11480.00	49.59	-24.41	74.00	49.18	39.38	17.54	56.51	---	---	Peak
15	15876.00	48.33	-25.67	74.00	55.72	37.79	13.41	58.59	---	---	Peak
16	21300.00	48.36	-35.18	83.54	41.12	37.98	23.18	53.92	---	---	Peak
17	25764.00	48.87	-34.67	83.54	36.59	39.55	26.63	53.90	---	---	Peak

THE END