FCC EMI TEST REPORT

FCC ID	:	**PY7-13086M**
Equipment	:	**GSM/WCDMA/LTE Phone with BT, DTS/UNII a/b/g/n/ac, GPS 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 Nov. 05, 2019 and testing was started from Dec. 24, 2019 and completed on Jan. 04, 2020. 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.

Louis Wu

Approved by: Louis Wu

SPORTON INTERNATIONAL 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

Report No.	Version	Description	Issued Date
FC9O1519-04	01	Initial issue of report	Jan. 20, 2020

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 11.12 dB at 0.179 MHz
3.2	15.109	Radiated Emission	Pass	Under limit 4.81 dB at 49.400 MHz for Quasi-Peak

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: Dara Chiu

Report Producer: Yvonne Cheng

1. General Description

1.1. Product Feature of Equipment Under Test

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

Product Specification subjective to this standard	
Antenna Type	WWAN: Inverted-F Type Antenna WLAN: Inverted-F Type Antenna Bluetooth: Inverted-F Type Antenna GPS/Glonass/Galileo/ BDS: Loop Antenna NFC: Loop Antenna

EUT Information List			
HW Version	SW Version	S/N	Performed Test Item
A	0.368	BH9500BMJG	Conducted Emission Radiated Emission

Accessory List	
AC Adapter	Model Name : UCH20
	S/N: 3515W45302520
Earphone	Model Name.: MH410c
	S/N : N/A
Bluetooth Earphone	Model Name.: SBH82D
	S/N : N/A
USB Cable	Model Name.: 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

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
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

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
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.**
	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.

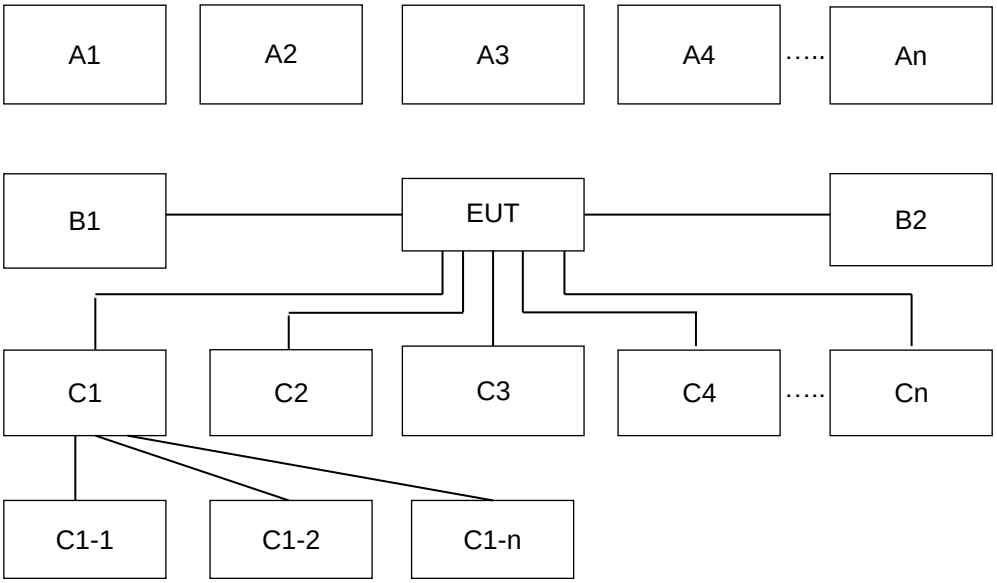
2. Test Configuration of Equipment Under Test

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: GSM850 (Low Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + Camera (Front) + Earphone + USB Cable (Charging from Adapter) + Battery Mode 2: GSM850 (Middle Channel) Idle + Bluetooth Idle + WLAN (5GHz) Idle + Camera (Rear) + Earphone + USB Cable (Charging from Adapter) + Battery Mode 3: GSM850 (High Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + MPEG4 + Earphone + USB Cable (Charging from Adapter) + Battery Mode 4: LTE Band 12 (Low Channel) Idle + Bluetooth Idle + WLAN (5GHz) Idle + MPEG4 + Earphone + USB Cable (Charging from Adapter) + Battery Mode 5: LTE Band 12 (Middle Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + GPS RX + Earphone + USB Cable (Charging from Adapter) + Battery Mode 6: LTE Band 12 (High Channel) Idle + Bluetooth Idle + WLAN (5GHz) Idle + NFC On + Earphone + USB Cable (Charging from Adapter) + Battery Mode 7: Flight Mode + Earphone + USB Cable (Data Link with Notebook) + Battery
Radiated Emissions	Mode 1: GSM850 (Low Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + Camera (Front) + Earphone + USB Cable (Charging from Adapter) + Battery Mode 2: GSM850 (Middle Channel) Idle + Bluetooth Idle + WLAN (5GHz) Idle + Camera (Rear) + Earphone + USB Cable (Charging from Adapter) + Battery Mode 3: GSM850 (High Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + MPEG4 + Earphone + USB Cable (Charging from Adapter) + Battery Mode 4: LTE Band 12 (Low Channel) Idle + Bluetooth Idle + WLAN (5GHz) Idle + MPEG4 + Earphone + USB Cable (Charging from Adapter) + Battery Mode 5: LTE Band 12 (Middle Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + GPS RX + Earphone + USB Cable (Charging from Adapter) + Battery Mode 6: LTE Band 12 (High Channel) Idle + Bluetooth Idle + WLAN (5GHz) Idle + NFC On + Earphone + USB Cable (Charging from Adapter) + Battery Mode 7: Flight Mode + Earphone + USB Cable (Data Link with Notebook) + Battery
Remark: **1.** Data Linking with Notebook means data application transferred mode between EUT and Notebook. **2.** For radiation emission after pre-scanned the cellular band between 30MHz ~ 960MHz (GSM850/WCDMA Band V/LTE Band 5/12), only the worst case for cellular band test data of this mode was reported.	

2.2. Connection Diagram of Test System



Test Setup								
No.	**Wireless Station**	**Connection Type**	**Test Mode**					
			1	**2**	**3**	**4**	**5**	**6**	**7**
A1	BT Earphone	Bluetooth	X	X	X	X	X	X	-
A2	System Simulator	GSM GSM/UMTS/CDMA/ WCDMA/LTE /LTE	X	X	X	X	X	X	-
A3	GPS Station	GPS	-	-	-	-	X	-	-
A4	AP router	WiFi	X	X	X	X	X	X	-
No.	**Power Source**	**Connection Type**	**1**	**2**	**3**	**4**	**5**	**6**	**7**
B1	AC : 120V/60Hz	AC Power Cable	X	X	X	X	X	X	-
B2	Power from system	AC Power Cable	-	-	-	-	-	-	X
No.	**Setup Peripherals**	**Connection Type**	**1**	**2**	**3**	**4**	**5**	**6**	**7**
C1	Notebook	USB Cable	-	-	-	-	-	-	X
C1-1	iPod	USB Cable to C1	-	-	-	-	-	-	X
C1-2	AP router	RJ-45 Cable to C1	-	-	-	-	-	-	X
C2	Earphone	Earphone jack	X	X	X	X	X	X	X
C3	SD card	SD I/O interface without Cable	X	X	X	X	X	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.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	Anritsu	8820C	N/A	N/A	Unshielded, 1.8 m
3.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
4.	GPS Station	Pendulum	GSG-54	N/A	N/A	Unshielded, 1.8 m
5.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
6.	Music Player	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
7.	Notebook	DELL	Latitude E3340	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
8.	Notebook	DELL	Latitude E5480	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
9.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.4. EUT Operation Test Setup

The EUT was in GSM and LTE Idle mode during the testing. The EUT 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 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 Laptop and EUT via USB cable.
2. Execute “GPS Test” to make the EUT receive continuous signals from GPS station.
3. Execute “Video player” to play MPEG4 files.
4. Turn on camera to capture images.
5. Turn on NFC function
6. 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.

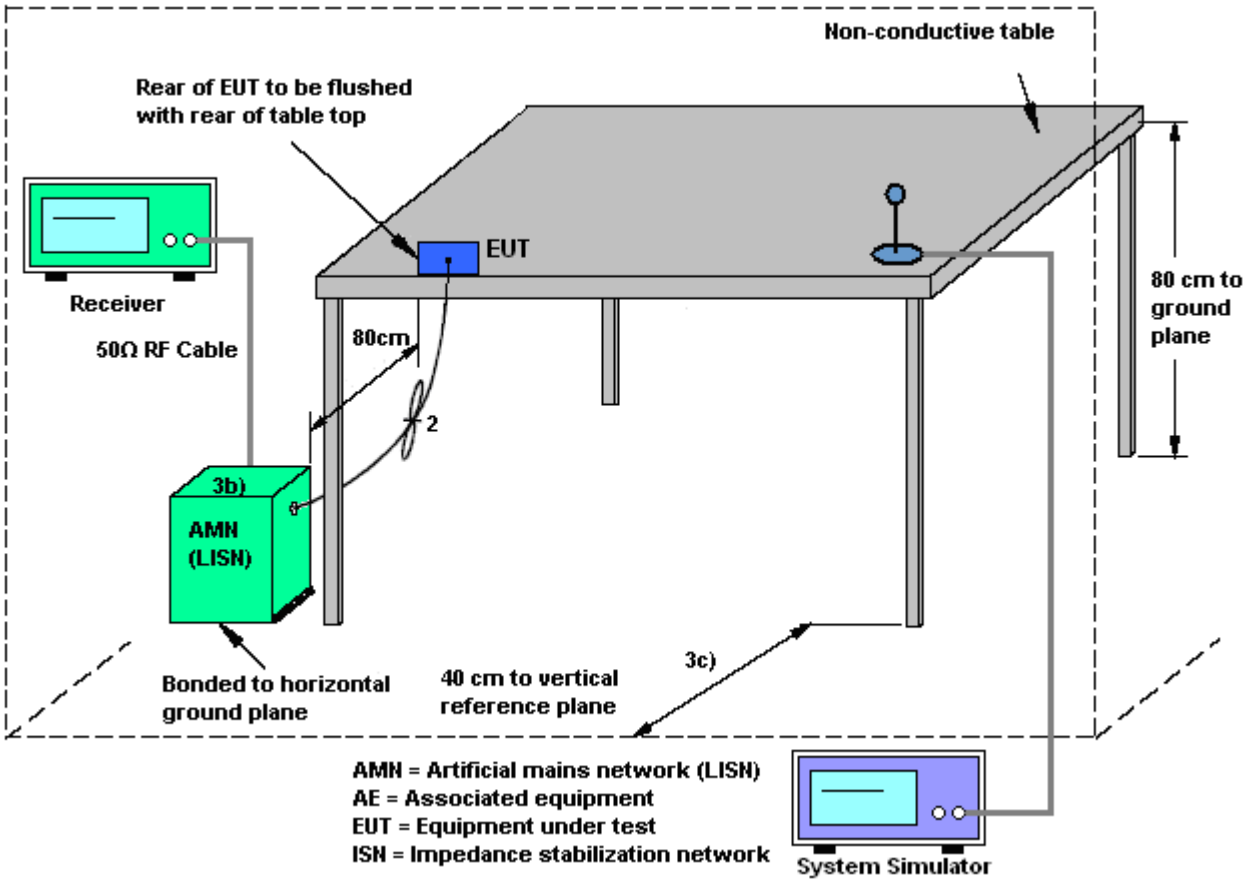
3.1.2 Measuring Instruments

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



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

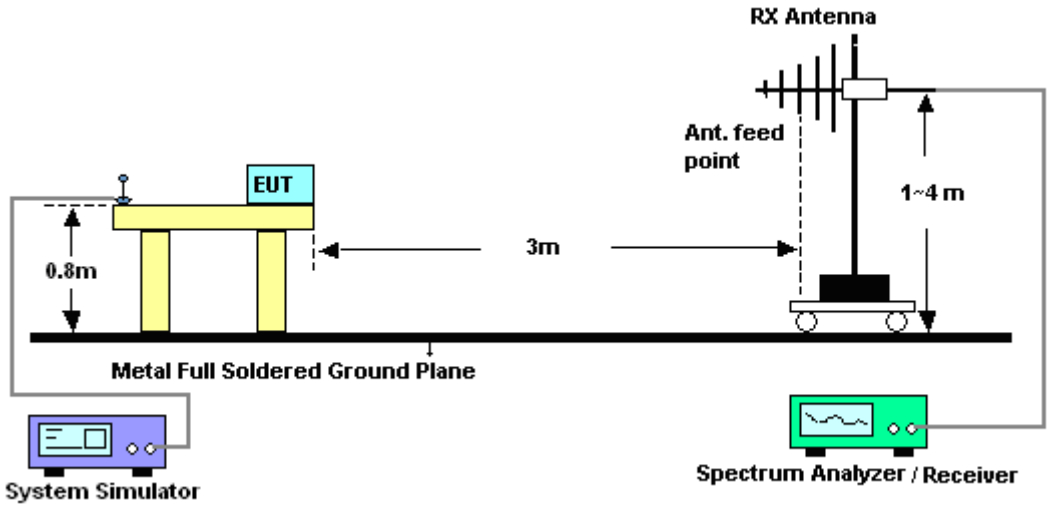
Refer a test equipment and calibration data table in this test report.

3.2.3. Test Procedures

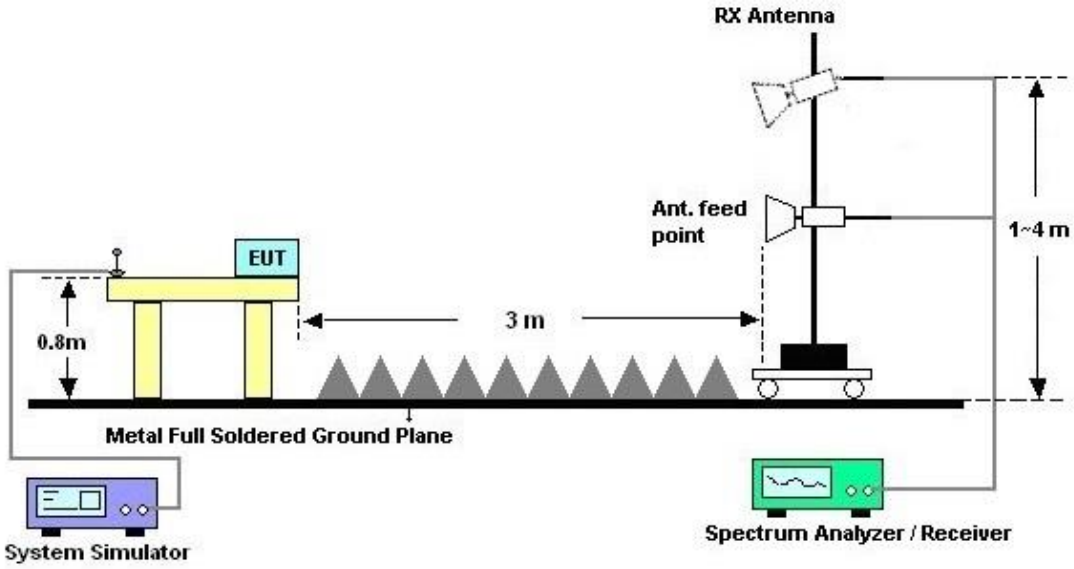
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna 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
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Oct. 22, 2019	Dec. 30, 2019~ Jan. 02, 2020	Oct. 21, 2020	Radiation (03CH10-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	35413 & 02	30MHz~1GHz	Feb. 12, 2019	Dec. 30, 2019~ Jan. 02, 2020	Feb. 11, 2020	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1325	1GHz~18GHz	Oct. 09, 2019	Dec. 30, 2019~ Jan. 02, 2020	Oct. 08, 2020	Radiation (03CH10-HY)
Preamplifier	Jet-Power	JAP00101800-30-10P	160118550004	1GHz~18GHz	Sep. 27, 2019	Dec. 30, 2019~ Jan. 02, 2020	Sep. 26, 2020	Radiation (03CH10-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Dec. 30, 2019~ Jan. 02, 2020	N/A	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Dec. 30, 2019~ Jan. 02, 2020	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	Dec. 30, 2019~ Jan. 02, 2020	N/A	Radiation (03CH10-HY)
Software	Audix	E3 6.2009-8-24	RK-001042	N/A	N/A	Dec. 30, 2019~ Jan. 02, 2020	N/A	Radiation (03CH10-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290045	20MHz~8.4GHz	Jan. 19, 2019	Dec. 30, 2019~ Jan. 02, 2020	Jan. 18, 2020	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4PE, MY11693/4PE, MY2855/2	30MHz~1GHz	Nov. 07, 2019	Dec. 30, 2019~ Jan. 02, 2020	Nov. 06, 2020	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4PE, MY11693/4PE, MY2855/2	1GHz~18GHz	Nov. 07, 2019	Dec. 30, 2019~ Jan. 02, 2020	Nov. 06, 2020	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30MHz-40GHz	Mar. 13, 2019	Dec. 30, 2019~ Jan. 02, 2020	Mar. 12, 2020	Radiation (03CH10-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz- 40GHz	May 14, 2019	Dec. 30, 2019~ Jan. 02, 2020	May 13, 2020	Radiation (03CH10-HY)
Signal Analyzer	R&S	FSV3044	101009	10Hz~44GHz	Nov. 11, 2019	Dec. 30, 2019~ Jan. 02, 2020	Nov. 10, 2020	Radiation (03CH10-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 13, 2019	Dec. 30, 2019~ Jan. 02, 2020	Dec. 12, 2020	Radiation (03CH10-HY)

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	Dec. 24, 2019~ Jan. 04, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Dec. 24, 2019~ Jan. 04, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Mar. 19, 2019	Dec. 24, 2019~ Jan. 04, 2020	Mar. 18, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 20, 2019	Dec. 24, 2019~ Jan. 04, 2020	Nov. 19, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 15, 2019	Dec. 24, 2019~ Jan. 04, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Dec. 24, 2019~ Jan. 04, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Dec. 31, 2018	Dec. 24, 2019~ Dec. 25, 2019	Dec. 30, 2019	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Jan. 04, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Dec. 31, 2018	Dec. 24, 2019~ Dec. 25, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Jan. 04, 2020	Jan. 01, 2021	Conduction (CO05-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))	**2.0**

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

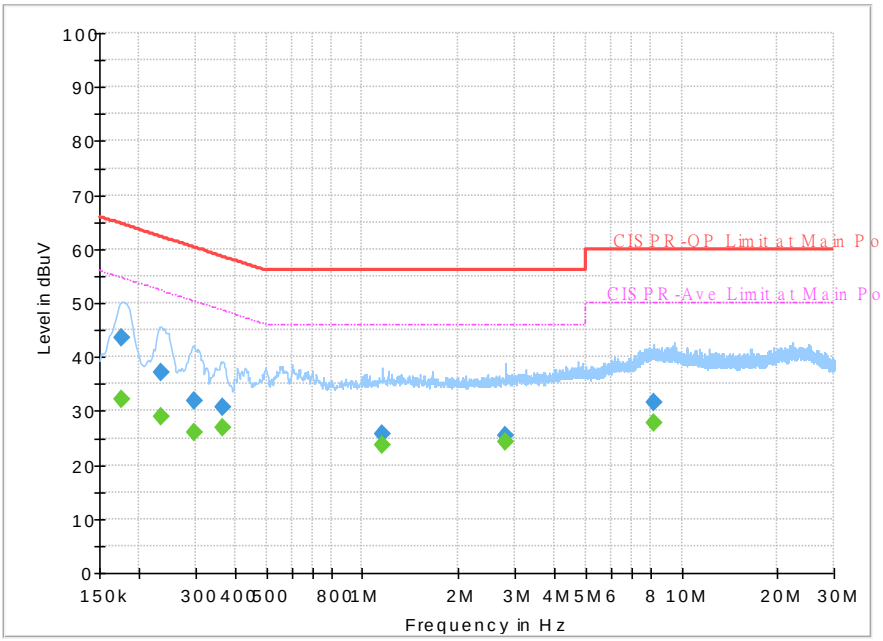
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.8**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.3**

Appendix A. AC Conducted Emission Test Results

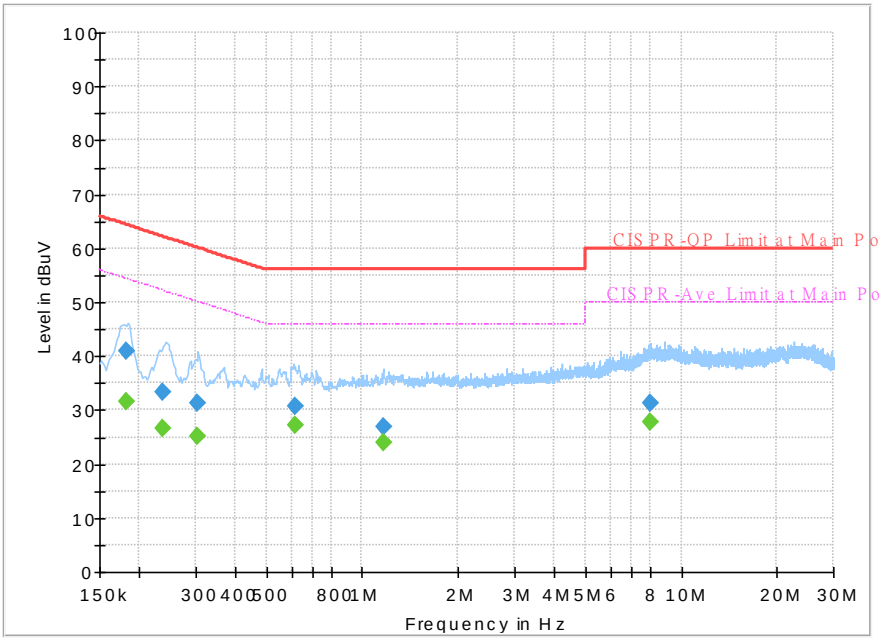
Test Mode :	Mode 1	Temperature :	22~24℃
Test Engineer :	Tom Lee and Howard Huang	Relative Humidity :	40~42%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.175020	---	32.24	54.72	22.48	L1	OFF	19.5
0.175020	43.50	---	64.72	21.22	L1	OFF	19.5
0.232890	---	28.97	52.35	23.38	L1	OFF	19.5
0.232890	37.13	---	62.35	25.22	L1	OFF	19.5
0.297510	---	25.99	50.31	24.32	L1	OFF	19.5
0.297510	31.89	---	60.31	28.42	L1	OFF	19.5
0.363840	---	27.02	48.64	21.62	L1	OFF	19.5
0.363840	30.59	---	58.64	28.05	L1	OFF	19.5
1.146750	---	23.74	46.00	22.26	L1	OFF	19.6
1.146750	25.84	---	56.00	30.16	L1	OFF	19.6
2.809500	---	24.15	46.00	21.85	L1	OFF	19.6
2.809500	25.56	---	56.00	30.44	L1	OFF	19.6
8.196900	---	27.77	50.00	22.23	L1	OFF	19.8
8.196900	31.54	---	60.00	28.46	L1	OFF	19.8

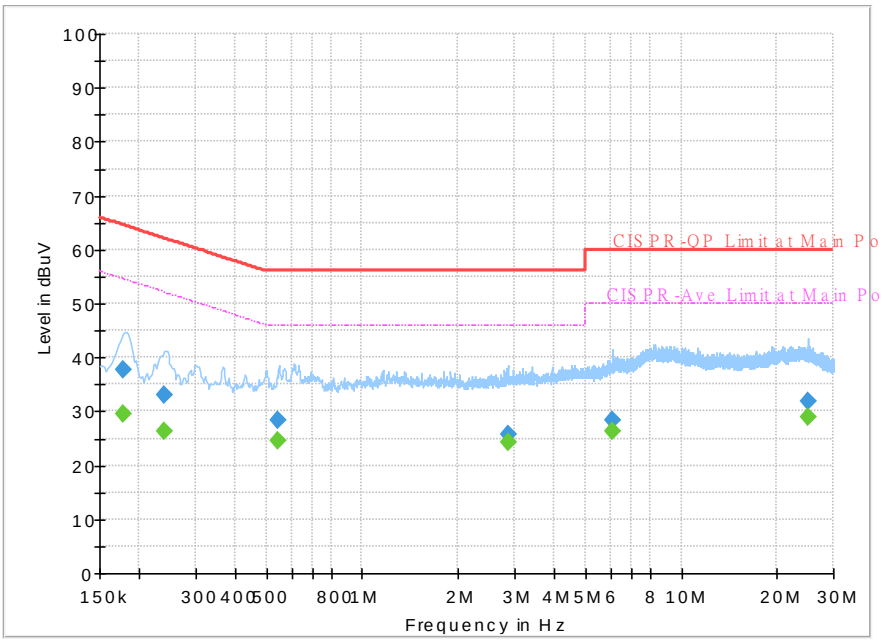
Test Mode :	Mode 1	Temperature :	22~24℃
Test Engineer :	Tom Lee and Howard Huang	Relative Humidity :	40~42%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.181950	---	31.58	54.40	22.82	N	OFF	19.5
0.181950	40.97	---	64.40	23.43	N	OFF	19.5
0.237750	---	26.62	52.17	25.55	N	OFF	19.5
0.237750	33.27	---	62.17	28.90	N	OFF	19.5
0.304260	---	25.01	50.13	25.12	N	OFF	19.5
0.304260	31.14	---	60.13	28.99	N	OFF	19.5
0.613500	---	27.15	46.00	18.85	N	OFF	19.6
0.613500	30.75	---	56.00	25.25	N	OFF	19.6
1.163580	---	24.10	46.00	21.90	N	OFF	19.6
1.163580	26.82	---	56.00	29.18	N	OFF	19.6
8.014740	---	27.70	50.00	22.30	N	OFF	19.9
8.014740	31.32	---	60.00	28.68	N	OFF	19.9

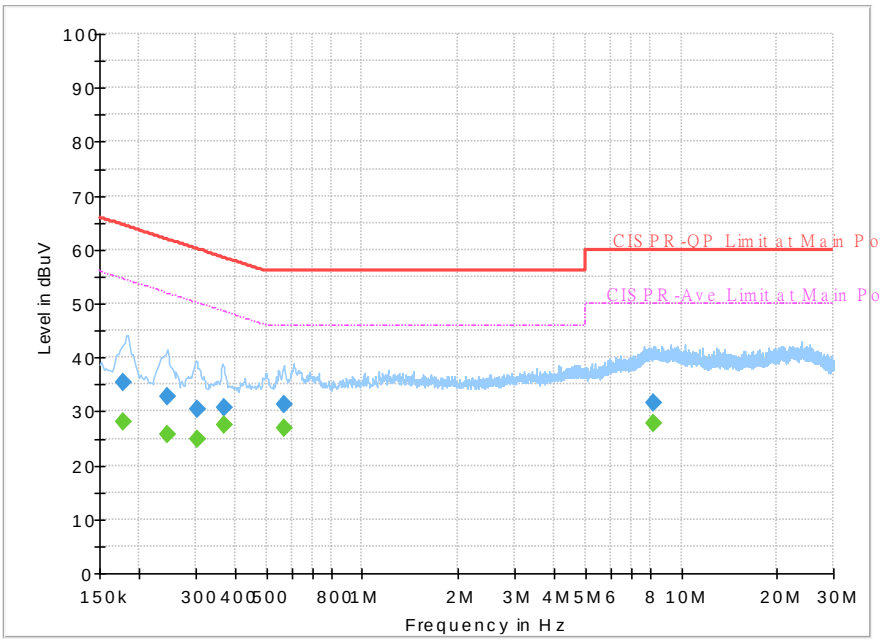
Test Mode :	Mode 2	Temperature :	22~24℃
Test Engineer :	Tom Lee and Howard Huang	Relative Humidity :	40~42%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.178080	---	29.53	54.58	25.05	L1	OFF	19.5
0.178080	37.64	---	64.58	26.94	L1	OFF	19.5
0.240000	---	26.40	52.10	25.70	L1	OFF	19.5
0.240000	32.94	---	62.10	29.16	L1	OFF	19.5
0.546360	---	24.66	46.00	21.34	L1	OFF	19.5
0.546360	28.24	---	56.00	27.76	L1	OFF	19.5
2.859000	---	24.25	46.00	21.75	L1	OFF	19.6
2.859000	25.66	---	56.00	30.34	L1	OFF	19.6
6.095580	---	26.33	50.00	23.67	L1	OFF	19.7
6.095580	28.43	---	60.00	31.57	L1	OFF	19.7
24.934560	---	28.81	50.00	21.19	L1	OFF	20.3
24.934560	31.76	---	60.00	28.24	L1	OFF	20.3

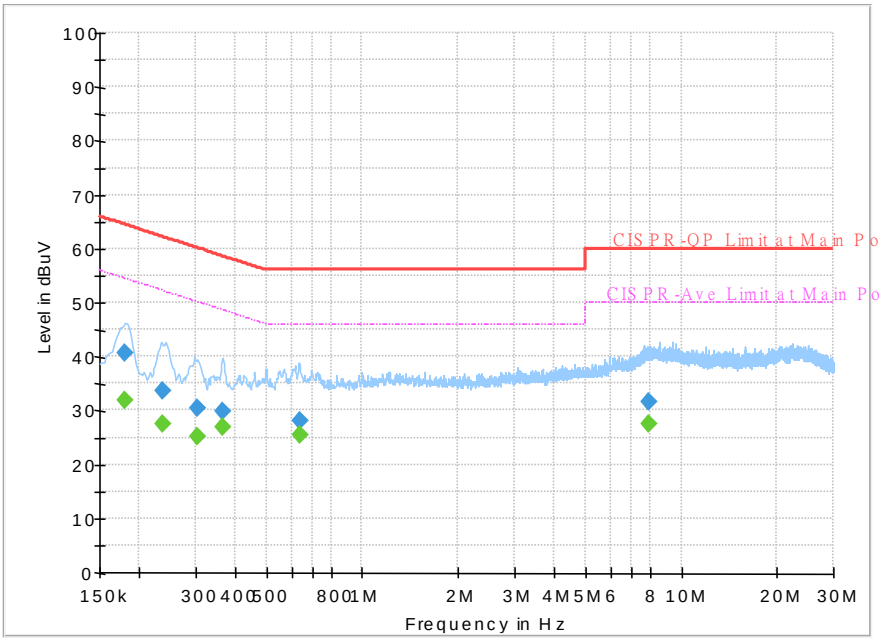
Test Mode :	Mode 2	Temperature :	22~24℃
Test Engineer :	Tom Lee and Howard Huang	Relative Humidity :	40~42%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.177000	---	28.16	54.63	26.47	N	OFF	19.5
0.177000	35.40	---	64.63	29.23	N	OFF	19.5
0.245940	---	25.78	51.89	26.11	N	OFF	19.5
0.245940	32.67	---	61.89	29.22	N	OFF	19.5
0.304980	---	24.79	50.11	25.32	N	OFF	19.5
0.304980	30.37	---	60.11	29.74	N	OFF	19.5
0.368250	---	27.52	48.54	21.02	N	OFF	19.5
0.368250	30.84	---	58.54	27.70	N	OFF	19.5
0.570750	---	26.85	46.00	19.15	N	OFF	19.6
0.570750	31.28	---	56.00	24.72	N	OFF	19.6
8.140290	---	27.70	50.00	22.30	N	OFF	19.9
8.140290	31.49	---	60.00	28.51	N	OFF	19.9

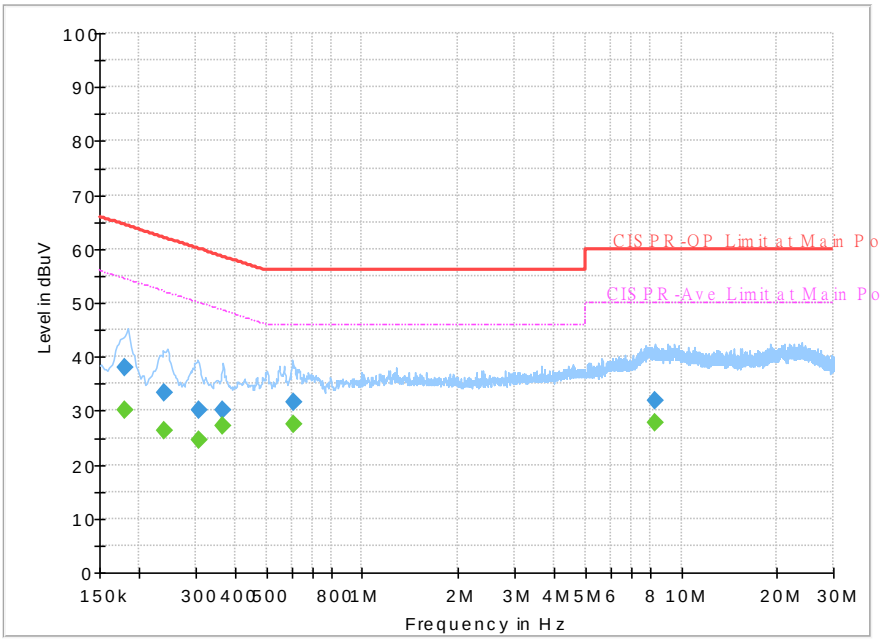
Test Mode :	Mode 3	Temperature :	22~24℃
Test Engineer :	Tom Lee and Howard Huang	Relative Humidity :	40~42%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.179790	---	31.75	54.50	22.75	L1	OFF	19.5
0.179790	40.71	---	64.50	23.79	L1	OFF	19.5
0.235410	---	27.53	52.26	24.73	L1	OFF	19.5
0.235410	33.74	---	62.26	28.52	L1	OFF	19.5
0.303000	---	25.13	50.16	25.03	L1	OFF	19.5
0.303000	30.49	---	60.16	29.67	L1	OFF	19.5
0.362760	---	26.99	48.67	21.68	L1	OFF	19.5
0.362760	29.77	---	58.67	28.90	L1	OFF	19.5
0.638070	---	25.34	46.00	20.66	L1	OFF	19.5
0.638070	28.11	---	56.00	27.89	L1	OFF	19.5
7.901250	---	27.63	50.00	22.37	L1	OFF	19.8
7.901250	31.49	---	60.00	28.51	L1	OFF	19.8

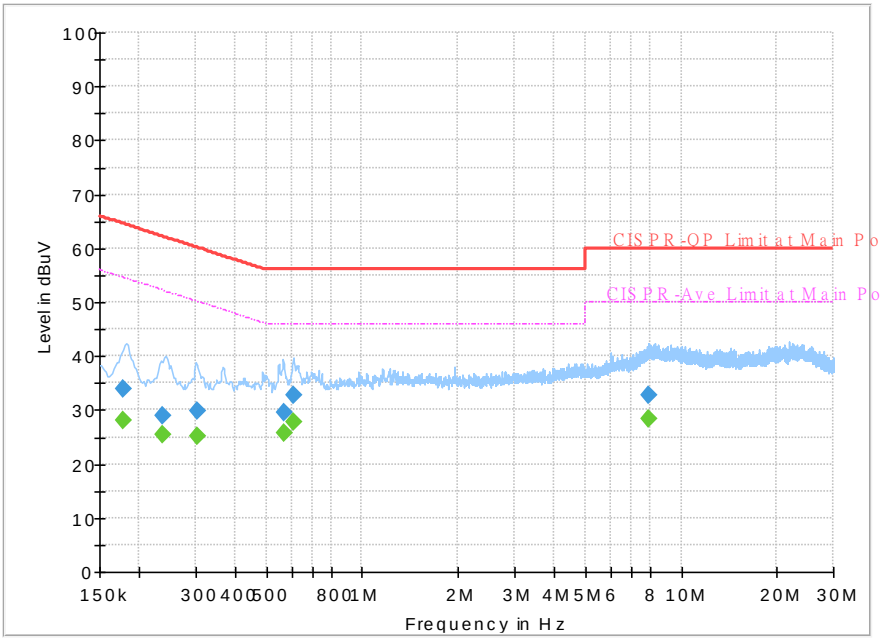
Test Mode :	Mode 3	**Temperature :**	22~24℃
Test Engineer :	Tom Lee and Howard Huang	**Relative Humidity :**	40~42%
Test Voltage :	120Vac / 60Hz	**Phase :**	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.179250	---	30.17	54.52	24.35	N	OFF	19.5
0.179250	38.13	---	64.52	26.39	N	OFF	19.5
0.240270	---	26.24	52.09	25.85	N	OFF	19.5
0.240270	33.22	---	62.09	28.87	N	OFF	19.5
0.306330	---	24.59	50.07	25.48	N	OFF	19.5
0.306330	30.15	---	60.07	29.92	N	OFF	19.5
0.363390	---	27.23	48.65	21.42	N	OFF	19.5
0.363390	30.10	---	58.65	28.55	N	OFF	19.5
0.609000	---	27.38	46.00	18.62	N	OFF	19.6
0.609000	31.46	---	56.00	24.54	N	OFF	19.6
8.288250	---	27.84	50.00	22.16	N	OFF	19.9
8.288250	31.74	---	60.00	28.26	N	OFF	19.9

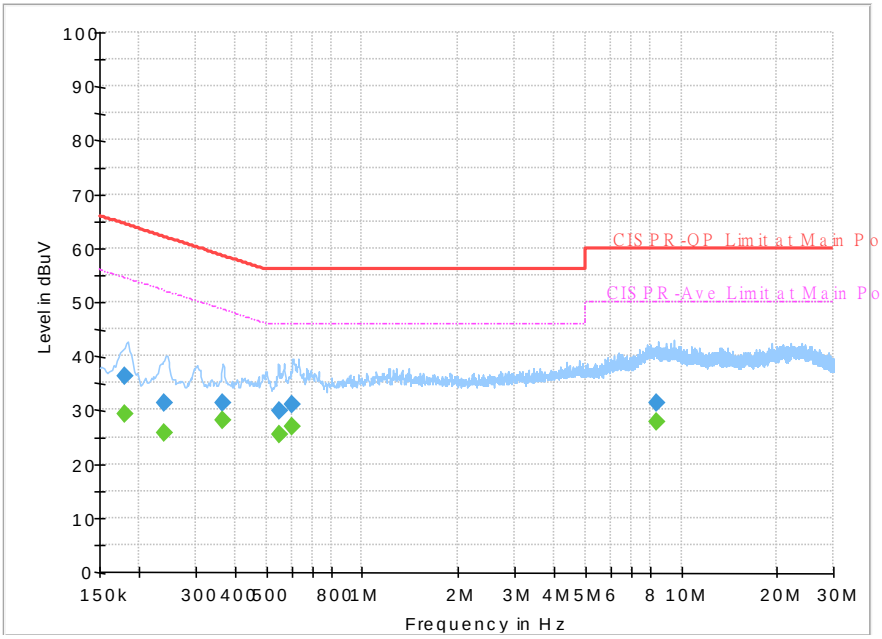
Test Mode :	Mode 4	Temperature :	22~24℃
Test Engineer :	Tom Lee and Howard Huang	Relative Humidity :	40~42%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.178800	---	27.93	54.54	26.61	L1	OFF	19.5
0.178800	34.02	---	64.54	30.52	L1	OFF	19.5
0.237750	---	25.41	52.17	26.76	L1	OFF	19.5
0.237750	28.83	---	62.17	33.34	L1	OFF	19.5
0.303000	---	25.15	50.16	25.01	L1	OFF	19.5
0.303000	29.80	---	60.16	30.36	L1	OFF	19.5
0.568500	---	25.77	46.00	20.23	L1	OFF	19.5
0.568500	29.40	---	56.00	26.60	L1	OFF	19.5
0.609180	---	27.90	46.00	18.10	L1	OFF	19.5
0.609180	32.80	---	56.00	23.20	L1	OFF	19.5
7.917450	---	28.43	50.00	21.57	L1	OFF	19.8
7.917450	32.75	---	60.00	27.25	L1	OFF	19.8

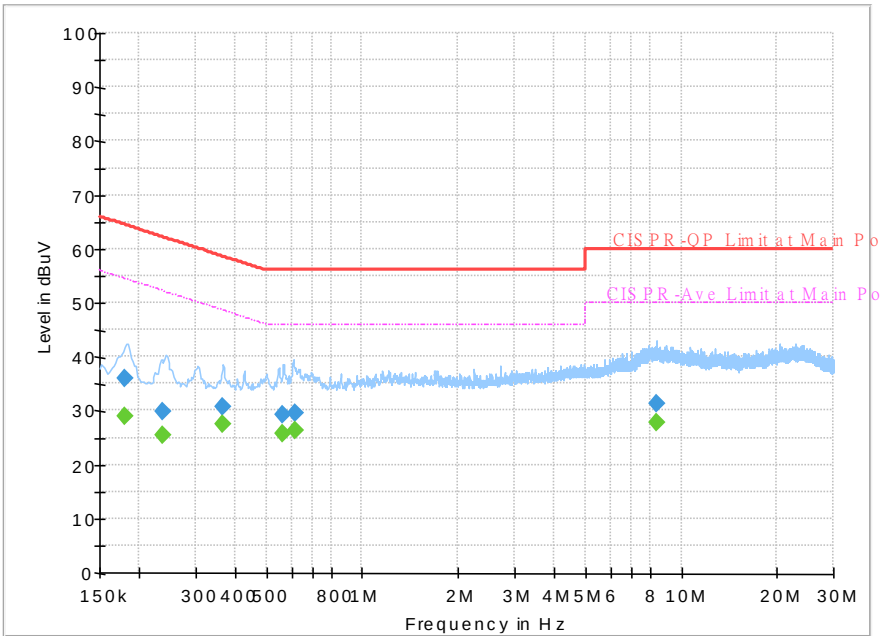
Test Mode :	Mode 4	**Temperature :**	22~24℃
Test Engineer :	Tom Lee and Howard Huang	**Relative Humidity :**	40~42%
Test Voltage :	120Vac / 60Hz	**Phase :**	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.180690	---	29.17	54.45	25.28	N	OFF	19.5
0.180690	36.19	---	64.45	28.26	N	OFF	19.5
0.240360	---	25.60	52.08	26.48	N	OFF	19.5
0.240360	31.42	---	62.08	30.66	N	OFF	19.5
0.365280	---	28.19	48.61	20.42	N	OFF	19.5
0.365280	31.34	---	58.61	27.27	N	OFF	19.5
0.549780	---	25.36	46.00	20.64	N	OFF	19.6
0.549780	29.82	---	56.00	26.18	N	OFF	19.6
0.604860	---	26.80	46.00	19.20	N	OFF	19.6
0.604860	30.97	---	56.00	25.03	N	OFF	19.6
8.337750	---	27.64	50.00	22.36	N	OFF	19.9
8.337750	31.28	---	60.00	28.72	N	OFF	19.9

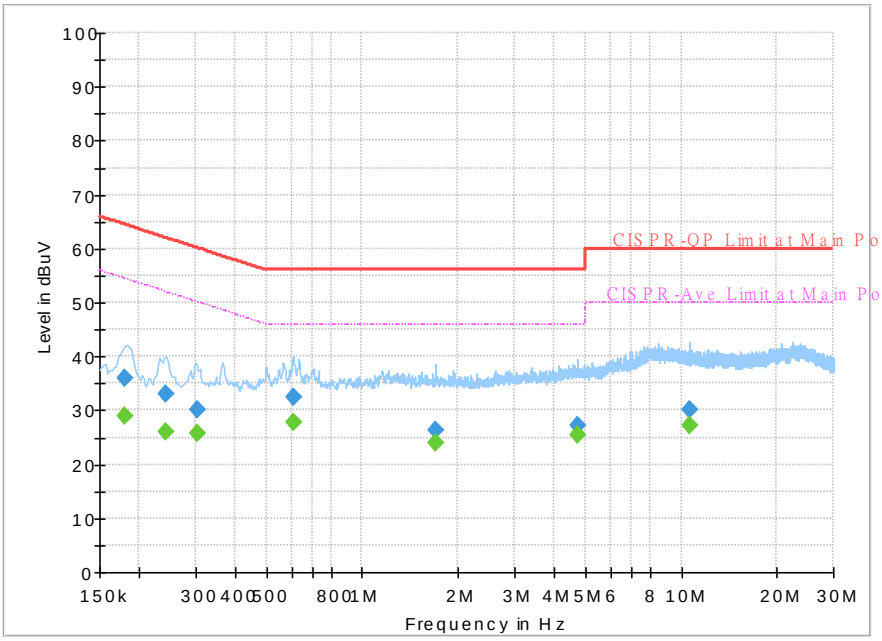
Test Mode :	Mode 5	Temperature :	22~24℃
Test Engineer :	Tom Lee and Howard Huang	Relative Humidity :	40~42%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.179880	---	28.92	54.49	25.57	L1	OFF	19.5
0.179880	36.01	---	64.49	28.48	L1	OFF	19.5
0.237750	---	25.35	52.17	26.82	L1	OFF	19.5
0.237750	29.70	---	62.17	32.47	L1	OFF	19.5
0.363390	---	27.48	48.65	21.17	L1	OFF	19.5
0.363390	30.57	---	58.65	28.08	L1	OFF	19.5
0.564900	---	25.78	46.00	20.22	L1	OFF	19.5
0.564900	29.26	---	56.00	26.74	L1	OFF	19.5
0.613500	---	26.42	46.00	19.58	L1	OFF	19.5
0.613500	29.56	---	56.00	26.44	L1	OFF	19.5
8.365470	---	27.69	50.00	22.31	L1	OFF	19.8
8.365470	31.25	---	60.00	28.75	L1	OFF	19.8

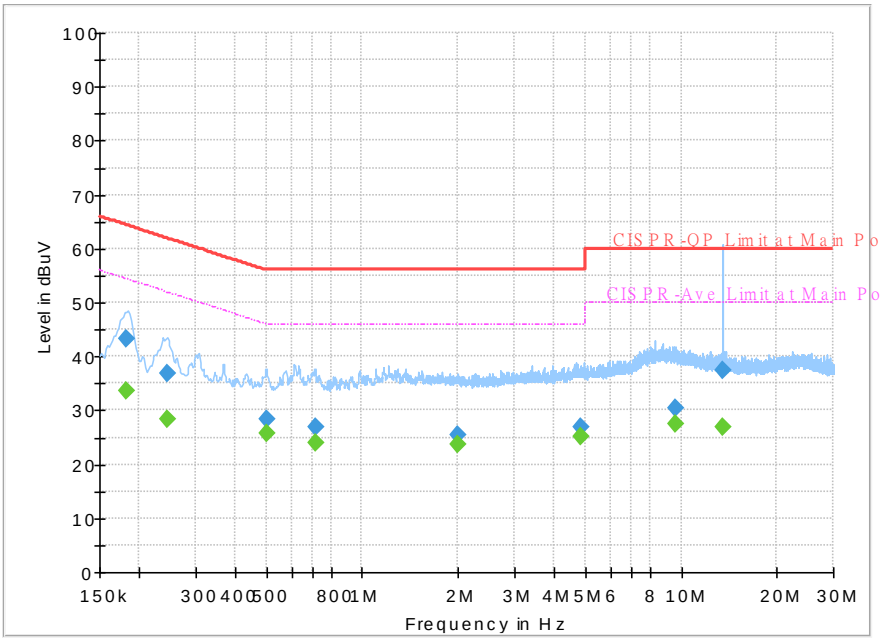
Test Mode :	Mode 5	Temperature :	22~24℃
Test Engineer :	Tom Lee and Howard Huang	Relative Humidity :	40~42%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.180150	---	29.09	54.48	25.39	N	OFF	19.5
0.180150	36.02	---	64.48	28.46	N	OFF	19.5
0.243150	---	25.96	51.99	26.03	N	OFF	19.5
0.243150	33.01	---	61.99	28.98	N	OFF	19.5
0.303540	---	25.62	50.15	24.53	N	OFF	19.5
0.303540	30.25	---	60.15	29.90	N	OFF	19.5
0.609720	---	27.92	46.00	18.08	N	OFF	19.6
0.609720	32.33	---	56.00	23.67	N	OFF	19.6
1.704750	---	23.88	46.00	22.12	N	OFF	19.6
1.704750	26.18	---	56.00	29.82	N	OFF	19.6
4.718580	---	25.51	46.00	20.49	N	OFF	19.7
4.718580	27.05	---	56.00	28.95	N	OFF	19.7
10.588380	---	27.09	50.00	22.91	N	OFF	20.0
10.588380	30.23	---	60.00	29.77	N	OFF	20.0

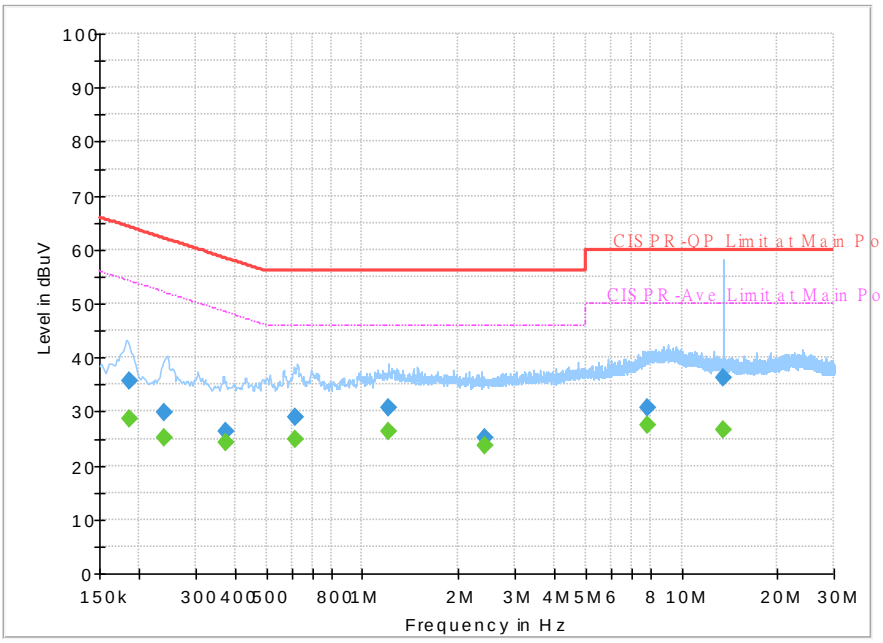
Test Mode :	Mode 6	**Temperature :**	22~24℃
Test Engineer :	Tom Lee and Howard Huang	**Relative Humidity :**	40~42%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.182130	---	33.60	54.39	20.79	L1	OFF	19.5
0.182130	43.40	---	64.39	20.99	L1	OFF	19.5
0.245220	---	28.31	51.92	23.61	L1	OFF	19.5
0.245220	36.91	---	61.92	25.01	L1	OFF	19.5
0.500910	---	25.88	46.00	20.12	L1	OFF	19.5
0.500910	28.39	---	56.00	27.61	L1	OFF	19.5
0.714390	---	24.09	46.00	21.91	L1	OFF	19.5
0.714390	27.02	---	56.00	28.98	L1	OFF	19.5
1.997250	---	23.72	46.00	22.28	L1	OFF	19.6
1.997250	25.56	---	56.00	30.44	L1	OFF	19.6
4.861500	---	25.29	46.00	20.71	L1	OFF	19.7
4.861500	26.81	---	56.00	29.19	L1	OFF	19.7
9.638250	---	27.38	50.00	22.62	L1	OFF	20.0
9.638250	30.52	---	60.00	29.48	L1	OFF	20.0
13.560000	---	26.80	50.00	23.20	L1	OFF	20.1
13.560000	37.33	---	60.00	22.67	L1	OFF	20.1

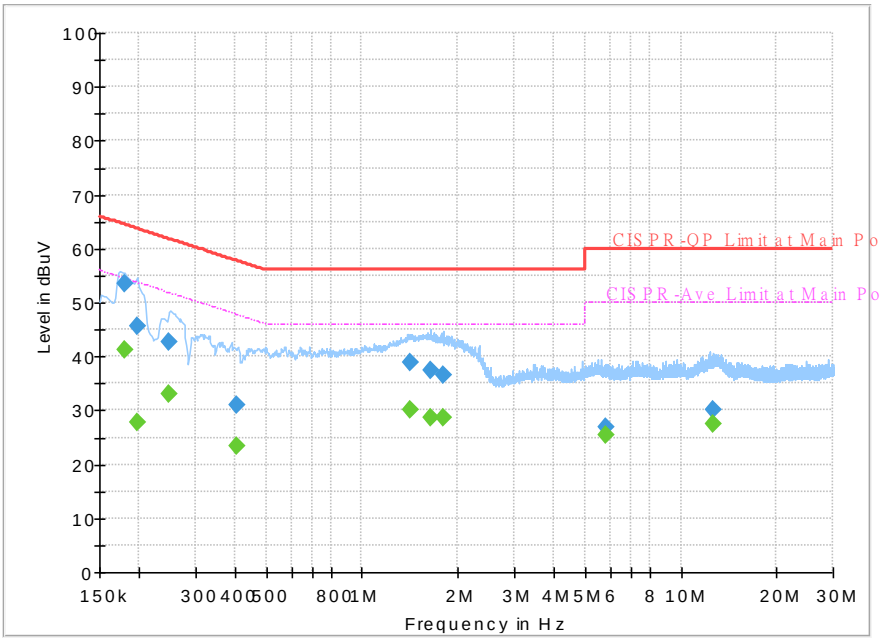
Test Mode :	Mode 6	Temperature :	22~24℃
Test Engineer :	Tom Lee and Howard Huang	Relative Humidity :	40~42%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.186000	---	28.58	54.21	25.63	N	OFF	19.6
0.186000	35.76	---	64.21	28.45	N	OFF	19.6
0.240000	---	25.29	52.10	26.81	N	OFF	19.6
0.240000	29.85	---	62.10	32.25	N	OFF	19.6
0.371760	---	24.19	48.46	24.27	N	OFF	19.6
0.371760	26.32	---	58.46	32.14	N	OFF	19.6
0.619350	---	24.98	46.00	21.02	N	OFF	19.6
0.619350	28.93	---	56.00	27.07	N	OFF	19.6
1.204710	---	26.25	46.00	19.75	N	OFF	19.6
1.204710	30.63	---	56.00	25.37	N	OFF	19.6
2.406570	---	23.67	46.00	22.33	N	OFF	19.6
2.406570	25.01	---	56.00	30.99	N	OFF	19.6
7.849500	---	27.36	50.00	22.64	N	OFF	20.0
7.849500	30.83	---	60.00	29.17	N	OFF	20.0
13.560000	---	26.65	50.00	23.35	N	OFF	20.1
13.560000	36.12	---	60.00	23.88	N	OFF	20.1

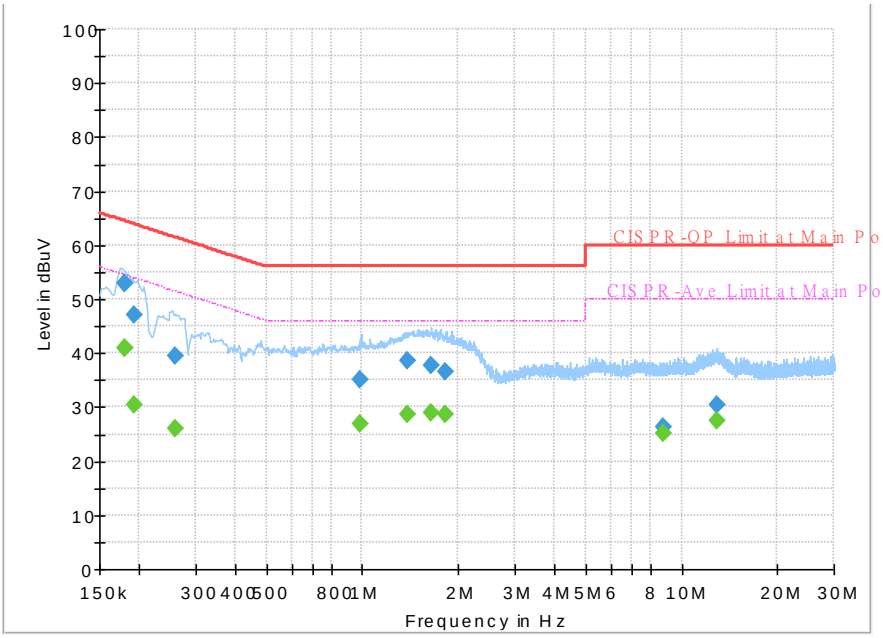
Test Mode :	Mode 7	Temperature :	22~24℃
Test Engineer :	Tom Lee and Howard Huang	Relative Humidity :	40~42%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency	QuasiPeak	CAverage	Limit	Margin	Line	Filter	Corr.
0.179250	---	41.35	54.52	13.17	L1	OFF	19.5
0.179250	53.40	---	64.52	11.12	L1	OFF	19.5
0.196170	---	27.76	53.77	26.01	L1	OFF	19.5
0.196170	45.55	---	63.77	18.22	L1	OFF	19.5
0.246750	---	32.99	51.87	18.88	L1	OFF	19.5
0.246750	42.64	---	61.87	19.23	L1	OFF	19.5
0.404250	---	23.48	47.77	24.29	L1	OFF	19.5
0.404250	30.92	---	57.77	26.85	L1	OFF	19.5
1.407750	---	30.18	46.00	15.82	L1	OFF	19.6
1.407750	39.03	---	56.00	16.97	L1	OFF	19.6
1.632660	---	28.77	46.00	17.23	L1	OFF	19.6
1.632660	37.56	---	56.00	18.44	L1	OFF	19.6
1.800510	---	28.62	46.00	17.38	L1	OFF	19.6
1.800510	36.63	---	56.00	19.37	L1	OFF	19.6
5.790750	---	25.45	50.00	24.55	L1	OFF	19.8
5.790750	26.79	---	60.00	33.21	L1	OFF	19.8
12.676020	---	27.41	50.00	22.59	L1	OFF	20.1
12.676020	30.03	---	60.00	29.97	L1	OFF	20.1

Test Mode :	Mode 7	Temperature :	22~24℃
Test Engineer :	Tom Lee and Howard Huang	Relative Humidity :	40~42%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

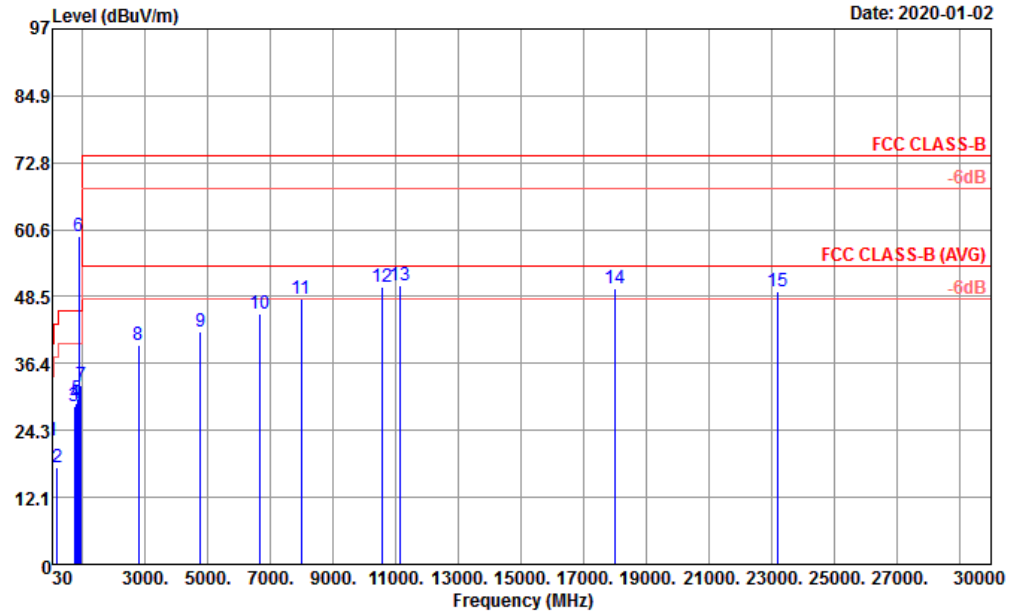


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.179700	53.02	---	64.50	11.48	N	OFF	19.6
0.179700	---	41.01	54.50	13.49	N	OFF	19.6
0.180600	52.88	---	64.46	11.58	N	OFF	19.6
0.180600	---	41.02	54.46	13.44	N	OFF	19.6
0.192750	---	30.55	53.92	23.37	N	OFF	19.6
0.192750	47.12	---	63.92	16.80	N	OFF	19.6
0.258000	---	26.09	51.50	25.41	N	OFF	19.6
0.258000	39.37	---	61.50	22.13	N	OFF	19.6
0.984750	---	26.90	46.00	19.10	N	OFF	19.6
0.984750	35.03	---	56.00	20.97	N	OFF	19.6
1.390290	---	28.79	46.00	17.21	N	OFF	19.6
1.390290	38.74	---	56.00	17.26	N	OFF	19.6
1.638510	---	29.02	46.00	16.98	N	OFF	19.6
1.638510	37.66	---	56.00	18.34	N	OFF	19.6
1.826250	---	28.56	46.00	17.44	N	OFF	19.6
1.826250	36.47	---	56.00	19.53	N	OFF	19.6
8.743110	---	25.26	50.00	24.74	N	OFF	20.0
8.743110	26.34	---	60.00	33.66	N	OFF	20.0
12.894720	---	27.57	50.00	22.43	N	OFF	20.1
12.894720	30.40	---	60.00	29.60	N	OFF	20.1

Appendix B. Radiated Emission Test Result

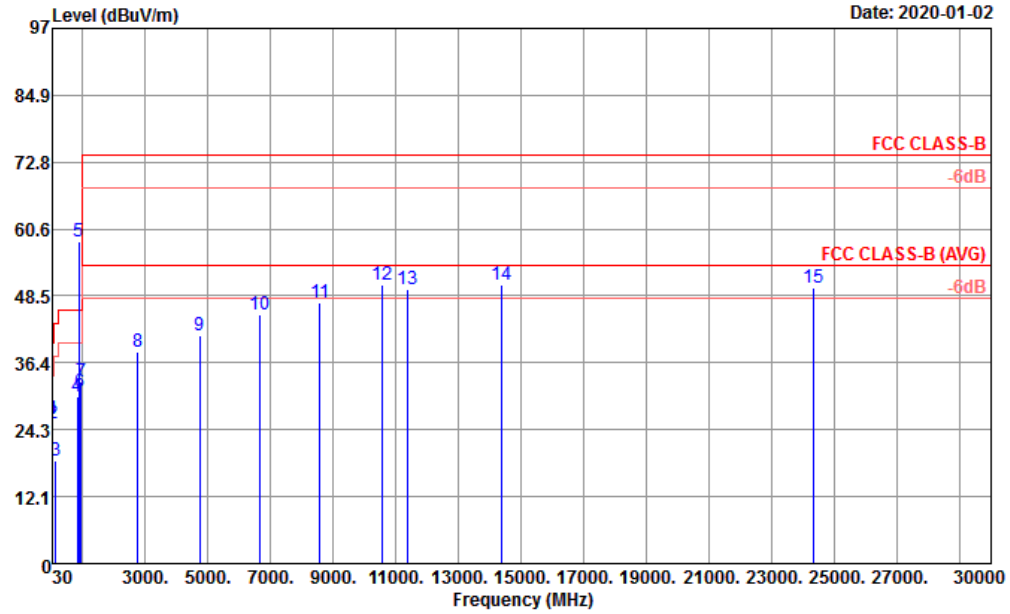
Mode :	Mode 1	Temperature :	23~25°C
Test Engineer :	Donny Tang	Relative Humidity :	52~54%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		



Site : 03CH10-HY
Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL

		Freq	Level	Over Limit	Limit Line	Antenna Factor	Read Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dB/m	dBuV	dB	dB	cm	deg	
1		30.00	22.45	-17.55	40.00	25.30	29.06	0.58	32.49	---	---	Peak
2		182.29	17.47	-26.03	43.50	14.80	33.50	1.45	32.28	---	---	Peak
3		740.04	28.51	-17.49	46.00	28.10	29.73	3.00	32.32	---	---	Peak
4		780.78	29.19	-16.81	46.00	28.38	29.96	3.09	32.24	---	---	Peak
5		838.98	29.91	-16.09	46.00	28.94	29.69	3.23	31.95	---	---	Peak
6	*	869.05	59.33			29.20	58.59	3.29	31.75	---	---	Peak
7		950.53	32.51	-13.49	46.00	31.02	29.02	3.45	30.98	100	149	Peak
8		2774.00	39.76	-34.24	74.00	28.00	67.38	6.39	62.01	---	---	Peak
9		4748.00	42.18	-31.82	74.00	31.20	65.13	8.40	62.55	---	---	Peak
10		6654.00	45.43	-28.57	74.00	34.41	64.31	10.00	63.29	---	---	Peak
11		7986.00	48.22	-25.78	74.00	37.14	64.00	10.78	63.70	---	---	Peak
12		10550.00	50.14	-23.86	74.00	39.80	61.49	12.52	63.67	---	---	Peak
13		11122.00	50.56	-23.44	74.00	39.73	61.35	12.90	63.42	100	144	Peak
14		17990.00	49.96	-24.04	74.00	48.33	47.36	15.37	61.10	---	---	Peak
15		23196.00	49.49	-24.51	74.00	39.14	42.55	21.12	53.32	---	---	Peak

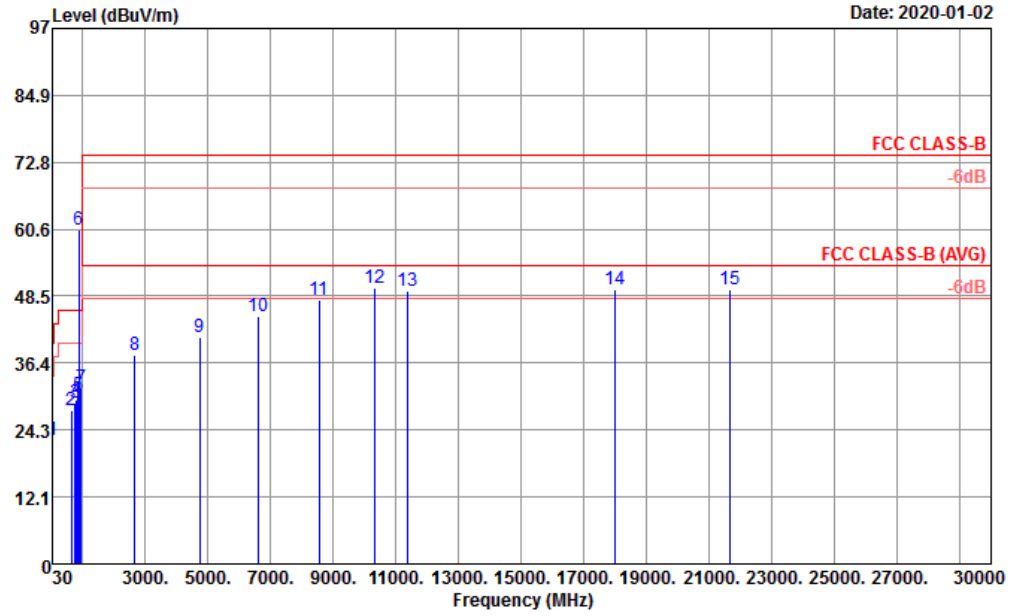
Mode :	Mode 1	Temperature :	23~25℃
Test Engineer :	Donny Tang	Relative Humidity :	52~54%
Test Distance :	3m	Polarization :	Vertical
Remark :	#5 is system simulator signal which can be ignored.		



Site : 03CH10-HY
Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL

		Freq	Level	Over Limit	Limit Line	Antenna Factor	Read Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dB/m	dBuV	dB	dB	cm	deg	
1		30.00	26.29	-13.71	40.00	25.30	32.90	0.58	32.49	---	---	Peak
2		39.70	25.50	-14.50	40.00	19.81	37.49	0.68	32.48	---	---	Peak
3		141.55	18.73	-24.77	43.50	17.35	32.42	1.28	32.32	---	---	Peak
4		827.34	30.29	-15.71	46.00	28.34	30.77	3.21	32.03	---	---	Peak
5	*	869.05	58.33			29.20	57.59	3.29	31.75	---	---	Peak
6		903.00	31.15	-14.85	46.00	28.96	30.34	3.36	31.51	---	---	Peak
7		952.47	32.91	-13.09	46.00	31.10	29.32	3.45	30.96	100	109	Peak
8		2750.00	38.46	-35.54	74.00	27.90	66.19	6.37	62.00	---	---	Peak
9		4724.00	41.38	-32.62	74.00	31.25	64.29	8.38	62.54	---	---	Peak
10		6660.00	45.13	-28.87	74.00	34.42	64.01	10.00	63.30	---	---	Peak
11		8568.00	47.35	-26.65	74.00	37.27	62.73	11.50	64.15	---	---	Peak
12		10544.00	50.57	-23.43	74.00	39.81	61.92	12.51	63.67	---	---	Peak
13		11390.00	49.83	-24.17	74.00	39.78	60.45	13.08	63.48	---	---	Peak
14		14370.00	50.63	-23.37	74.00	41.60	56.91	14.42	62.30	100	137	Peak
15		24336.00	49.94	-24.06	74.00	40.11	42.08	21.15	53.40	---	---	Peak

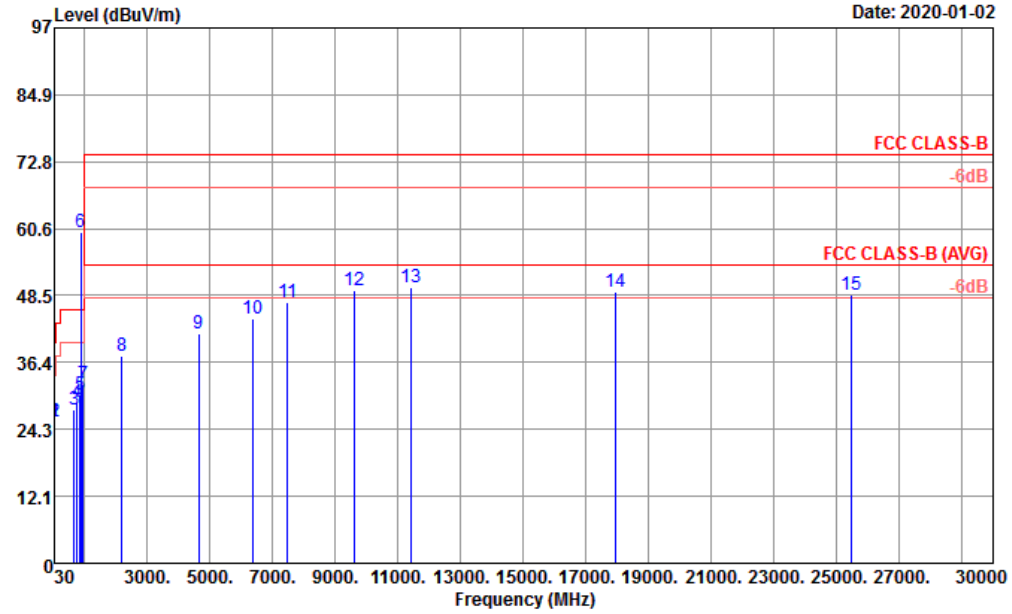
Mode :	Mode 2	Temperature :	23~25°C
Test Engineer :	Donny Tang	Relative Humidity :	52~54%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		



Site : 03CH10-HY
Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL

		Freq	Level	Over Limit	Limit Line	Antenna Factor	Read Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dB/m	dBuV	dB	dB	cm	deg	
1		30.00	22.52	-17.48	40.00	25.30	29.13	0.58	32.49	---	---	Peak
2		633.34	27.82	-18.18	46.00	26.57	30.96	2.78	32.49	---	---	Peak
3		748.77	29.14	-16.86	46.00	28.28	30.14	3.02	32.30	---	---	Peak
4		792.42	29.63	-16.37	46.00	28.30	30.43	3.12	32.22	---	---	Peak
5		841.89	30.60	-15.40	46.00	29.08	30.21	3.24	31.93	---	---	Peak
6	*	881.66	60.64			29.07	59.91	3.32	31.66	---	---	Peak
7		949.56	31.92	-14.08	46.00	30.96	28.50	3.45	30.99	100	108	Peak
8		2674.00	37.91	-36.09	74.00	27.75	65.84	6.29	61.97	---	---	Peak
9		4732.00	40.98	-33.02	74.00	31.24	63.90	8.39	62.55	---	---	Peak
10		6616.00	44.81	-29.19	74.00	34.47	63.60	10.01	63.27	---	---	Peak
11		8552.00	47.85	-26.15	74.00	37.21	63.31	11.47	64.14	---	---	Peak
12		10322.00	49.88	-24.12	74.00	39.54	61.88	12.37	63.91	100	112	Peak
13		11372.00	49.42	-24.58	74.00	39.74	60.08	13.07	63.47	---	---	Peak
14		17970.00	49.77	-24.23	74.00	47.79	47.72	15.37	61.11	---	---	Peak
15		21660.00	49.72	-24.28	74.00	38.50	43.61	20.81	53.20	---	---	Peak

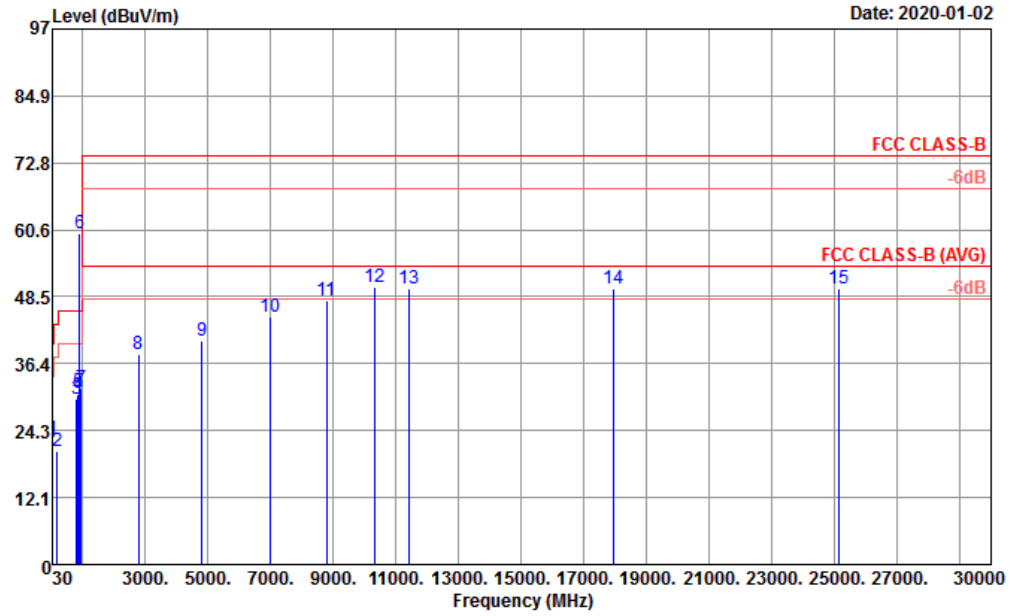
Mode :	Mode 2	Temperature :	23~25℃
Test Engineer :	Donny Tang	Relative Humidity :	52~54%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		



Site : 03CH10-HY
Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL

		Freq	Level	Over Limit	Limit Line	Antenna Factor	Read Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dB/m	dBuV	dB	dB	cm	deg	
1		30.00	25.54	-14.46	40.00	25.30	32.15	0.58	32.49	---	---	Peak
2		39.70	25.56	-14.44	40.00	19.81	37.55	0.68	32.48	---	---	Peak
3		652.74	27.91	-18.09	46.00	26.50	31.03	2.84	32.46	---	---	Peak
4		768.17	29.30	-16.70	46.00	28.30	30.21	3.06	32.27	---	---	Peak
5		849.65	30.53	-15.47	46.00	29.29	29.86	3.26	31.88	---	---	Peak
6	*	881.66	59.92			29.07	59.19	3.32	31.66	---	---	Peak
7		951.50	32.40	-13.60	46.00	31.06	28.86	3.45	30.97	100	160	Peak
8		2192.00	37.53	-36.47	74.00	27.94	65.86	5.63	61.90	---	---	Peak
9		4648.00	41.70	-32.30	74.00	31.09	64.85	8.29	62.53	---	---	Peak
10		6354.00	44.37	-29.63	74.00	33.52	63.98	9.95	63.08	---	---	Peak
11		7470.00	47.41	-26.59	74.00	36.50	63.63	10.87	63.59	---	---	Peak
12		9614.00	49.34	-24.66	74.00	38.93	62.50	12.60	64.69	---	---	Peak
13		11430.00	49.95	-24.05	74.00	39.80	60.53	13.11	63.49	100	105	Peak
14		17950.00	49.27	-24.73	74.00	47.25	47.78	15.36	61.12	---	---	Peak
15		25464.00	48.57	-25.43	74.00	39.48	41.24	21.34	53.49	---	---	Peak

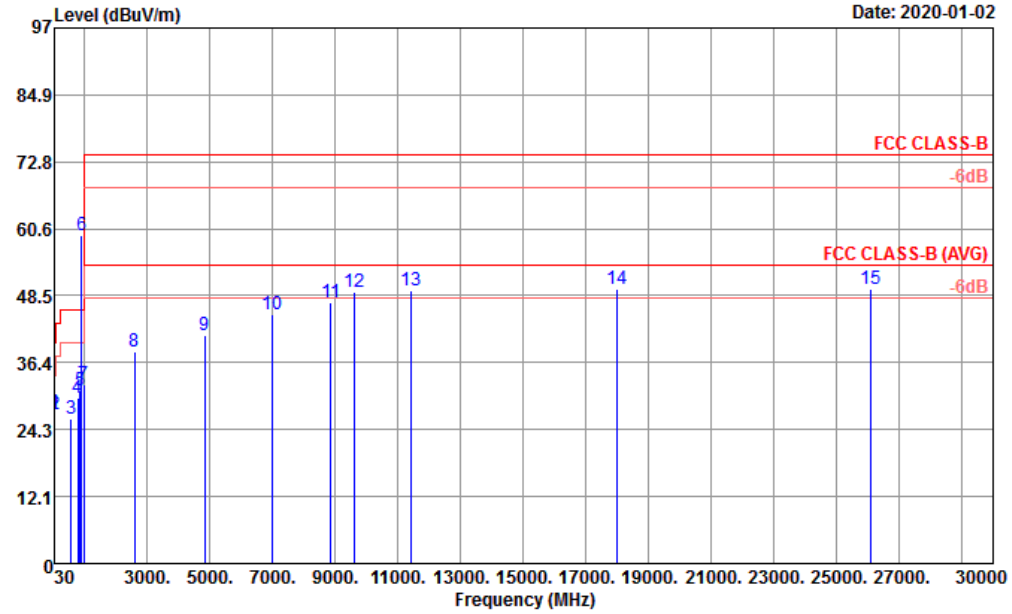
Mode :	Mode 3	Temperature :	23~25℃
Test Engineer :	Donny Tang	Relative Humidity :	52~54%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		



Site : 03CH10-HY
Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL

	Freq	Level	Over Limit	Limit Line	Antenna Factor	Read Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dB/m	dBuV	dB	dB	cm	deg	
1	30.00	22.62	-17.38	40.00	25.30	29.23	0.58	32.49	---	---	Peak
2	182.29	20.55	-22.95	43.50	14.80	36.58	1.45	32.28	---	---	Peak
3	798.24	30.10	-15.90	46.00	28.24	30.93	3.14	32.21	---	---	Peak
4	846.74	30.68	-15.32	46.00	29.23	30.10	3.25	31.90	---	---	Peak
5	871.96	31.23	-14.77	46.00	29.20	30.46	3.30	31.73	---	---	Peak
6 *	893.30	59.97			28.90	59.31	3.34	31.58	---	---	Peak
7	952.47	31.95	-14.05	46.00	31.10	28.36	3.45	30.96	100	105	Peak
8	2786.00	38.18	-35.82	74.00	28.04	65.74	6.41	62.01	---	---	Peak
9	4810.00	40.52	-33.48	74.00	31.20	63.41	8.47	62.56	---	---	Peak
10	6984.00	44.88	-29.12	74.00	35.34	62.75	10.28	63.49	---	---	Peak
11	8778.00	47.79	-26.21	74.00	37.87	62.59	11.65	64.32	---	---	Peak
12	10326.00	50.18	-23.82	74.00	39.55	62.17	12.37	63.91	100	182	Peak
13	11436.00	49.86	-24.14	74.00	39.80	60.44	13.11	63.49	---	---	Peak
14	17965.00	49.97	-24.03	74.00	47.65	48.07	15.36	61.11	---	---	Peak
15	25128.00	50.04	-23.96	74.00	40.07	42.12	21.28	53.43	---	---	Peak

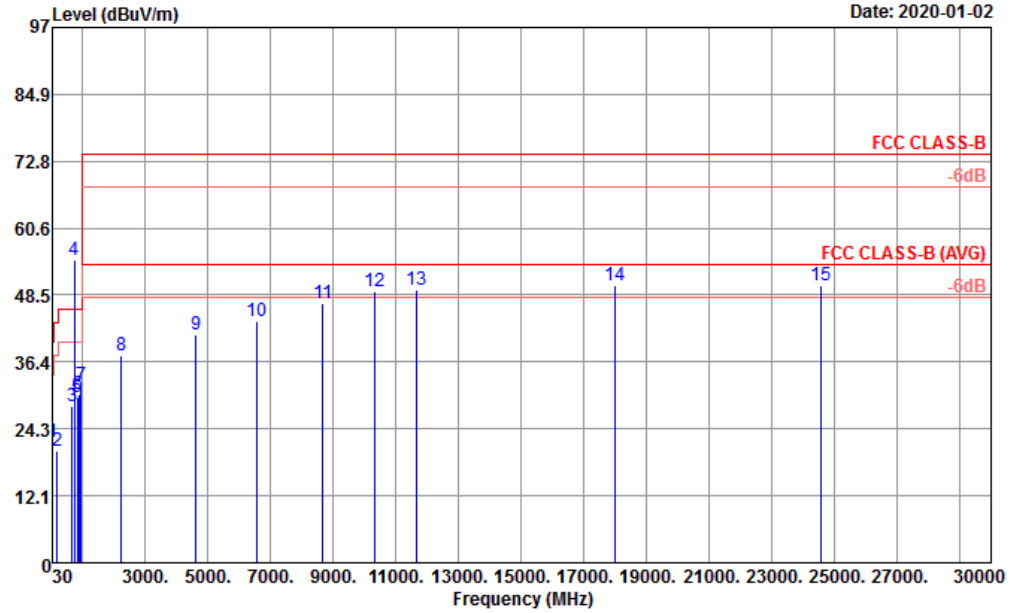
Mode :	Mode 3	Temperature :	23~25℃
Test Engineer :	Donny Tang	Relative Humidity :	52~54%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		



Site : 03CH10-HY
Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL

		Freq	Level	Over Limit	Limit Line	Antenna Factor	Read Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dB/m	dBuV	dB	dB	cm	deg	
1		30.97	27.37	-12.63	40.00	24.81	34.45	0.59	32.48	100	163	Peak
2		40.67	26.91	-13.09	40.00	19.13	39.58	0.68	32.48	---	---	Peak
3		562.53	26.23	-19.77	46.00	26.30	29.80	2.62	32.49	---	---	Peak
4		788.54	29.99	-16.01	46.00	28.30	30.81	3.11	32.23	---	---	Peak
5		850.62	31.37	-14.63	46.00	29.30	30.68	3.26	31.87	---	---	Peak
6	*	894.27	59.36			28.90	58.70	3.34	31.58	---	---	Peak
7		959.26	32.31	-13.69	46.00	31.29	28.44	3.47	30.89	---	---	Peak
8		2586.00	38.49	-35.51	74.00	27.50	66.73	6.19	61.93	---	---	Peak
9		4820.00	41.26	-32.74	74.00	31.20	64.13	8.49	62.56	---	---	Peak
10		6982.00	45.13	-28.87	74.00	35.33	63.01	10.28	63.49	---	---	Peak
11		8854.00	47.38	-26.62	74.00	37.99	62.15	11.62	64.38	---	---	Peak
12		9608.00	49.21	-24.79	74.00	38.92	62.37	12.61	64.69	---	---	Peak
13		11422.00	49.41	-24.59	74.00	39.80	59.99	13.10	63.48	---	---	Peak
14		17975.00	49.78	-24.22	74.00	47.92	47.60	15.37	61.11	100	122	Peak
15		26100.00	49.68	-24.32	74.00	39.60	41.78	21.54	53.24	---	---	Peak

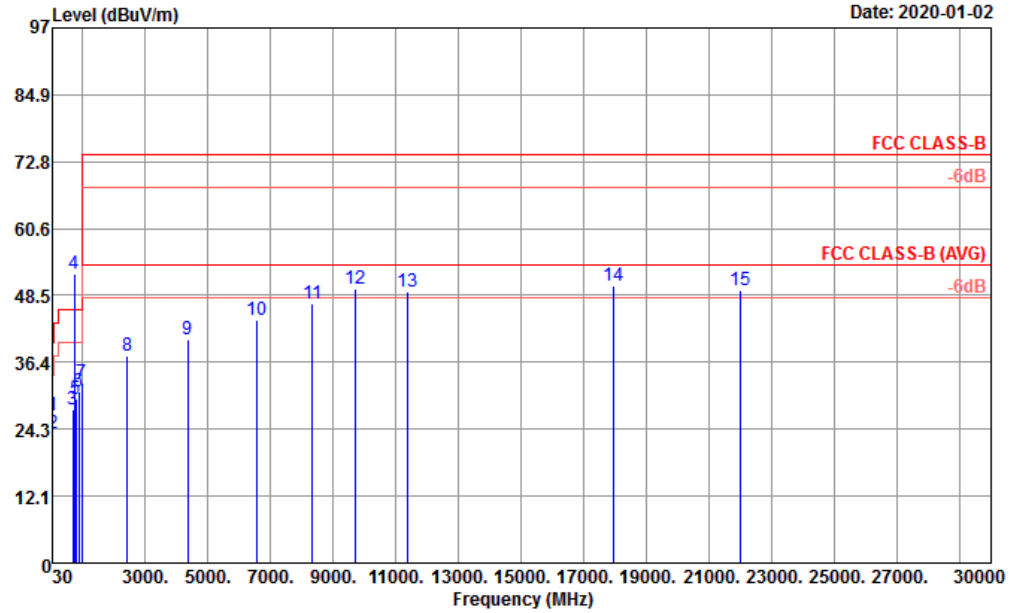
Mode :	Mode 4	Temperature :	23~25℃
Test Engineer :	Donny Tang	Relative Humidity :	52~54%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#4 is system simulator signal which can be ignored.		



Site : 03CH10-HY
Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL

		Freq	Level	Over Limit	Limit Line	Antenna Factor	Read Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dB/m	dBuV	dB	dB	cm	deg	
1		30.00	21.78	-18.22	40.00	25.30	28.39	0.58	32.49	---	---	Peak
2		181.32	20.40	-23.10	43.50	14.87	36.36	1.45	32.28	---	---	Peak
3		654.68	28.41	-17.59	46.00	26.50	31.53	2.84	32.46	---	---	Peak
4	*	731.50	54.73			27.76	56.31	2.99	32.33	---	---	Peak
5		834.13	29.95	-16.05	46.00	28.67	30.04	3.22	31.98	---	---	Peak
6		879.72	30.60	-15.40	46.00	29.11	29.86	3.31	31.68	---	---	Peak
7		942.77	32.16	-13.84	46.00	30.47	29.32	3.44	31.07	100	184	Peak
8		2224.00	37.44	-36.56	74.00	27.95	65.71	5.68	61.90	---	---	Peak
9		4620.00	41.38	-32.62	74.00	30.98	64.66	8.26	62.52	---	---	Peak
10		6576.00	43.88	-30.12	74.00	34.45	62.67	10.01	63.25	---	---	Peak
11		8670.00	46.91	-27.09	74.00	37.54	62.01	11.60	64.24	---	---	Peak
12		10320.00	49.24	-24.76	74.00	39.54	61.26	12.36	63.92	---	---	Peak
13		11666.00	49.40	-24.60	74.00	39.27	60.36	13.27	63.50	---	---	Peak
14		17990.00	50.33	-23.67	74.00	48.33	47.73	15.37	61.10	100	167	Peak
15		24576.00	50.18	-23.82	74.00	40.38	42.01	21.19	53.40	---	---	Peak

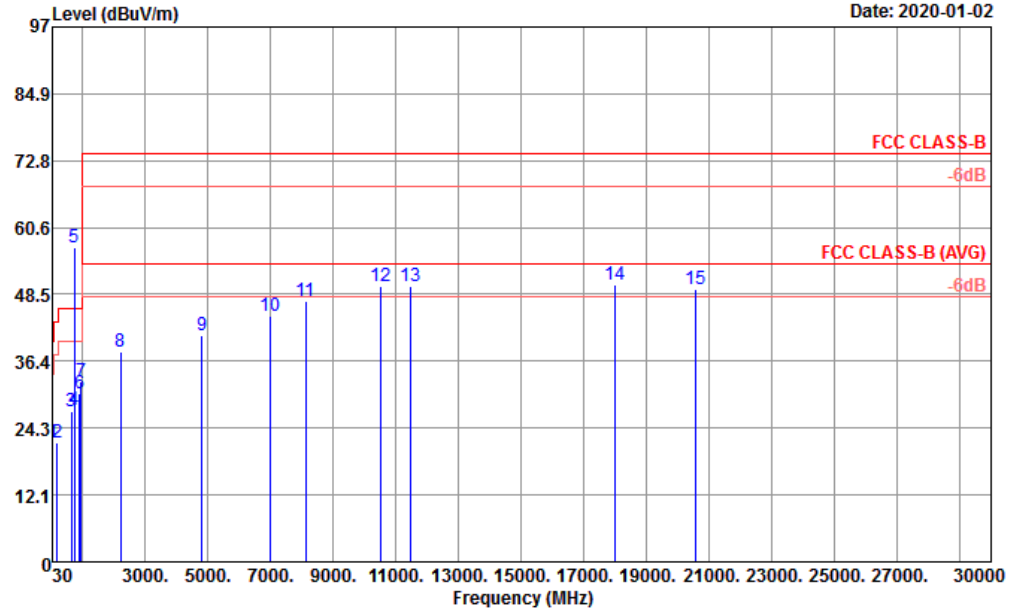
Mode :	Mode 4	Temperature :	23~25℃
Test Engineer :	Donny Tang	Relative Humidity :	52~54%
Test Distance :	3m	Polarization :	Vertical
Remark :	#4 is system simulator signal which can be ignored.		



Site : 03CH10-HY
Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL

		Freq	Level	Over Limit	Limit Line	Antenna Factor	Read Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dB/m	dBuV	dB	dB	cm	deg	
1		30.97	26.87	-13.13	40.00	24.81	33.95	0.59	32.48	100	113	Peak
2		40.67	23.46	-16.54	40.00	19.13	36.13	0.68	32.48	---	---	Peak
3		693.48	27.86	-18.14	46.00	26.60	30.73	2.93	32.40	---	---	Peak
4	*	731.50	52.50			27.76	54.08	2.99	32.33	---	---	Peak
5		780.78	29.80	-16.20	46.00	28.38	30.57	3.09	32.24	---	---	Peak
6		867.11	31.19	-14.81	46.00	29.20	30.46	3.29	31.76	---	---	Peak
7		959.26	32.59	-13.41	46.00	31.29	28.72	3.47	30.89	---	---	Peak
8		2416.00	37.47	-36.53	74.00	27.57	65.83	5.97	61.90	---	---	Peak
9		4356.00	40.53	-33.47	74.00	30.20	64.88	7.89	62.44	---	---	Peak
10		6570.00	44.07	-29.93	74.00	34.44	62.86	10.01	63.24	---	---	Peak
11		8332.00	46.94	-27.06	74.00	36.54	63.29	11.08	63.97	---	---	Peak
12		9686.00	49.73	-24.27	74.00	39.00	62.87	12.47	64.61	---	---	Peak
13		11386.00	49.23	-24.77	74.00	39.77	59.86	13.08	63.48	---	---	Peak
14		17945.00	50.27	-23.73	74.00	47.12	48.91	15.36	61.12	100	173	Peak
15		21996.00	49.46	-24.54	74.00	38.50	42.80	21.16	53.00	---	---	Peak

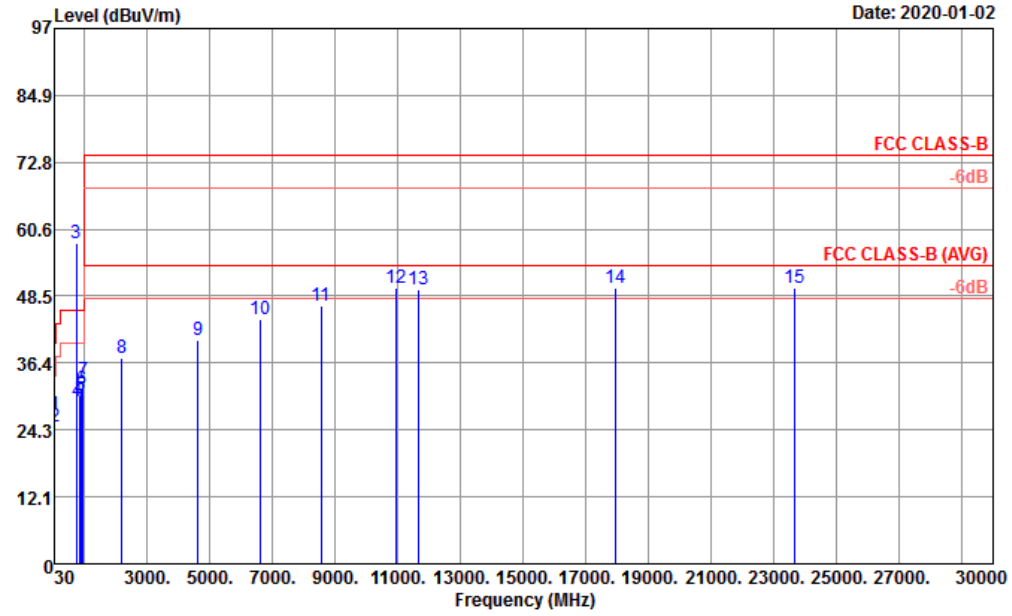
Mode :	Mode 5	Temperature :	23~25℃
Test Engineer :	Donny Tang	Relative Humidity :	52~54%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#5 is system simulator signal which can be ignored.		



Site : 03CH10-HY
Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL

		Freq	Level	Over Limit	Limit Line	Antenna Factor	Read Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dB/m	dBuV	dB	dB	cm	deg	
1		31.94	21.49	-18.51	40.00	24.14	29.23	0.60	32.48	---	---	Peak
2		181.32	21.52	-21.98	43.50	14.87	37.48	1.45	32.28	---	---	Peak
3		644.98	27.24	-18.76	46.00	26.60	30.29	2.82	32.47	---	---	Peak
4		724.52	27.64	-18.36	46.00	27.37	29.64	2.98	32.35	---	---	Peak
5	*	737.50	56.99			28.00	58.31	3.00	32.32	---	---	Peak
6		897.18	30.63	-15.37	46.00	28.90	29.95	3.34	31.56	---	---	Peak
7		948.59	32.77	-13.23	46.00	30.89	29.44	3.45	31.01	100	123	Peak
8		2208.00	37.97	-36.03	74.00	27.98	66.24	5.65	61.90	---	---	Peak
9		4800.00	41.15	-32.85	74.00	31.20	64.05	8.46	62.56	---	---	Peak
10		6980.00	44.66	-29.34	74.00	35.32	62.56	10.27	63.49	---	---	Peak
11		8126.00	47.22	-26.78	74.00	37.15	63.05	10.82	63.80	---	---	Peak
12		10530.00	50.12	-23.88	74.00	39.84	61.45	12.51	63.68	---	---	Peak
13		11446.00	49.95	-24.05	74.00	39.80	60.52	13.12	63.49	---	---	Peak
14		17970.00	50.33	-23.67	74.00	47.79	48.28	15.37	61.11	100	167	Peak
15		20556.00	49.55	-24.45	74.00	37.81	45.23	19.69	53.18	---	---	Peak

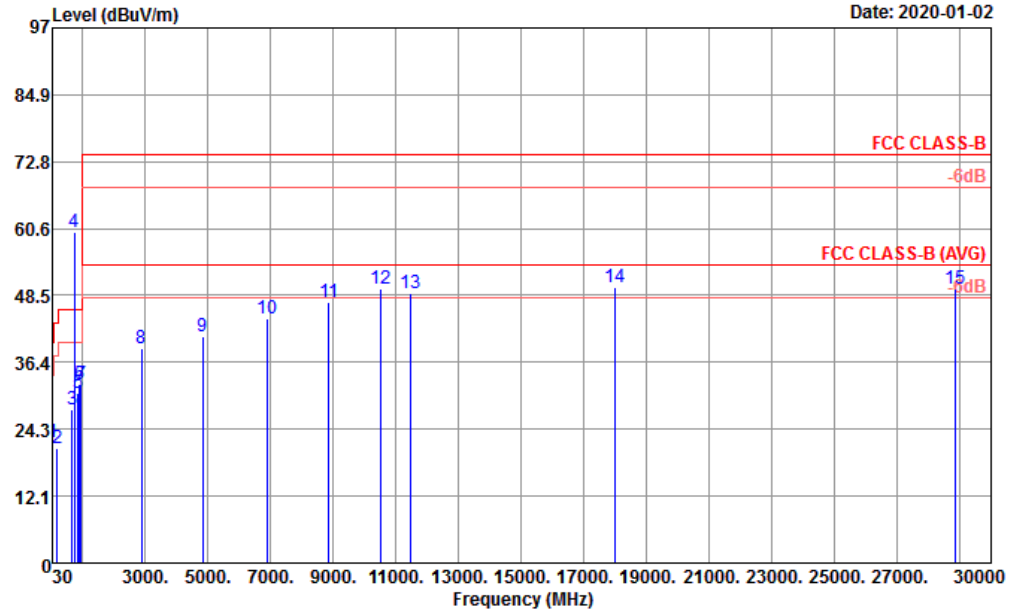
Mode :	Mode 5	Temperature :	23~25℃
Test Engineer :	Donny Tang	Relative Humidity :	52~54%
Test Distance :	3m	Polarization :	Vertical
Remark :	#3 is system simulator signal which can be ignored.		



Site : 03CH10-HY
Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL

		Freq	Level	Over Limit	Limit Line	Antenna Factor	Read Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dB/m	dBuV	dB	dB	cm	deg	
1		30.00	26.96	-13.04	40.00	25.30	33.57	0.58	32.49	---	---	Peak
2		40.67	24.82	-15.18	40.00	19.13	37.49	0.68	32.48	---	---	Peak
3	*	737.50	58.03			28.00	59.35	3.00	32.32	---	---	Peak
4		748.77	29.46	-16.54	46.00	28.28	30.46	3.02	32.30	---	---	Peak
5		851.59	30.60	-15.40	46.00	29.30	29.90	3.26	31.86	---	---	Peak
6		889.42	31.54	-14.46	46.00	28.91	30.91	3.33	31.61	---	---	Peak
7		957.32	33.20	-12.80	46.00	31.25	29.40	3.46	30.91	100	180	Peak
8		2182.00	37.21	-36.79	74.00	27.86	65.64	5.61	61.90	---	---	Peak
9		4608.00	40.63	-33.37	74.00	30.93	63.97	8.25	62.52	---	---	Peak
10		6592.00	44.21	-29.79	74.00	34.48	62.97	10.02	63.26	---	---	Peak
11		8556.00	46.72	-27.28	74.00	37.22	62.16	11.48	64.14	---	---	Peak
12		10964.00	50.00	-24.00	74.00	40.20	60.42	12.80	63.42	---	---	Peak
13		11652.00	49.76	-24.24	74.00	39.34	60.66	13.26	63.50	---	---	Peak
14		17955.00	50.02	-23.98	74.00	47.38	48.40	15.36	61.12	100	198	Peak
15		23676.00	50.00	-24.00	74.00	39.30	42.86	21.11	53.27	---	---	Peak

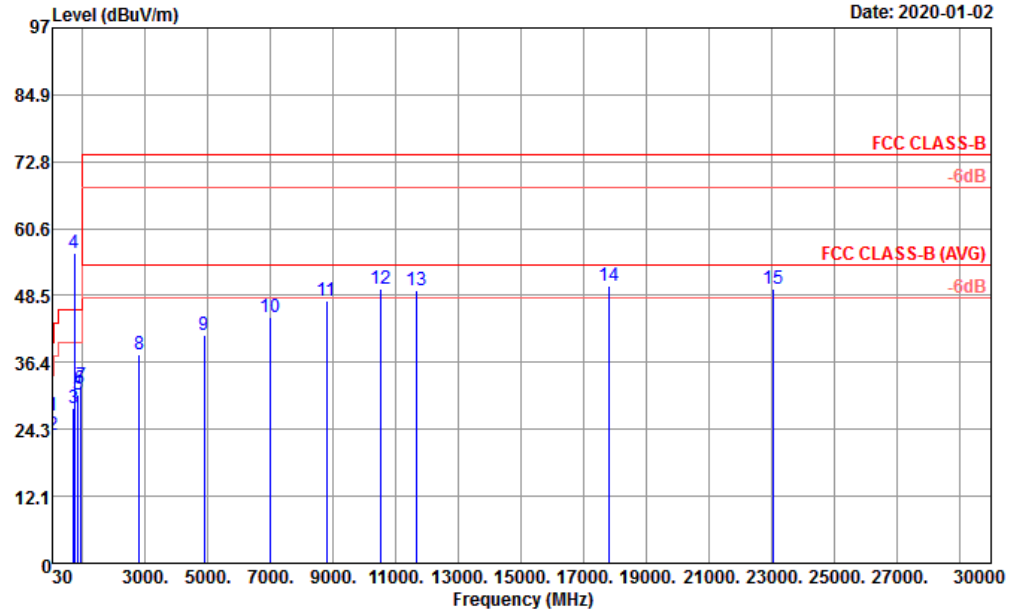
Mode :	Mode 6	Temperature :	23~25°C
Test Engineer :	Donny Tang	Relative Humidity :	52~54%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#4 is system simulator signal which can be ignored.		



Site : 03CH10-HY
Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL

		Freq	Level	Over Limit	Limit Line	Antenna Factor	Read Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dB/m	dBuV	dB	dB	cm	deg	
1		30.00	21.93	-18.07	40.00	25.30	28.54	0.58	32.49	---	---	Peak
2		181.32	20.93	-22.57	43.50	14.87	36.89	1.45	32.28	---	---	Peak
3		670.20	27.93	-18.07	46.00	26.50	30.99	2.87	32.43	---	---	Peak
4	*	743.50	60.08			28.17	61.21	3.01	32.31	---	---	Peak
5		840.92	30.75	-15.25	46.00	29.04	30.41	3.24	31.94	---	---	Peak
6		894.27	32.51	-13.49	46.00	28.90	31.85	3.34	31.58	100	149	Peak
7		954.41	32.50	-13.50	46.00	31.18	28.80	3.46	30.94	---	---	Peak
8		2886.00	38.95	-35.05	74.00	28.44	66.05	6.51	62.05	---	---	Peak
9		4826.00	41.10	-32.90	74.00	31.20	63.97	8.50	62.57	---	---	Peak
10		6868.00	44.23	-29.77	74.00	34.91	62.67	10.07	63.42	---	---	Peak
11		8856.00	47.21	-26.79	74.00	37.99	61.98	11.62	64.38	---	---	Peak
12		10530.00	49.62	-24.38	74.00	39.84	60.95	12.51	63.68	---	---	Peak
13		11448.00	48.96	-25.04	74.00	39.80	59.53	13.12	63.49	---	---	Peak
14		17975.00	50.04	-23.96	74.00	47.92	47.86	15.37	61.11	100	196	Peak
15		28872.00	49.82	-24.18	74.00	40.17	40.16	24.16	54.67	---	---	Peak

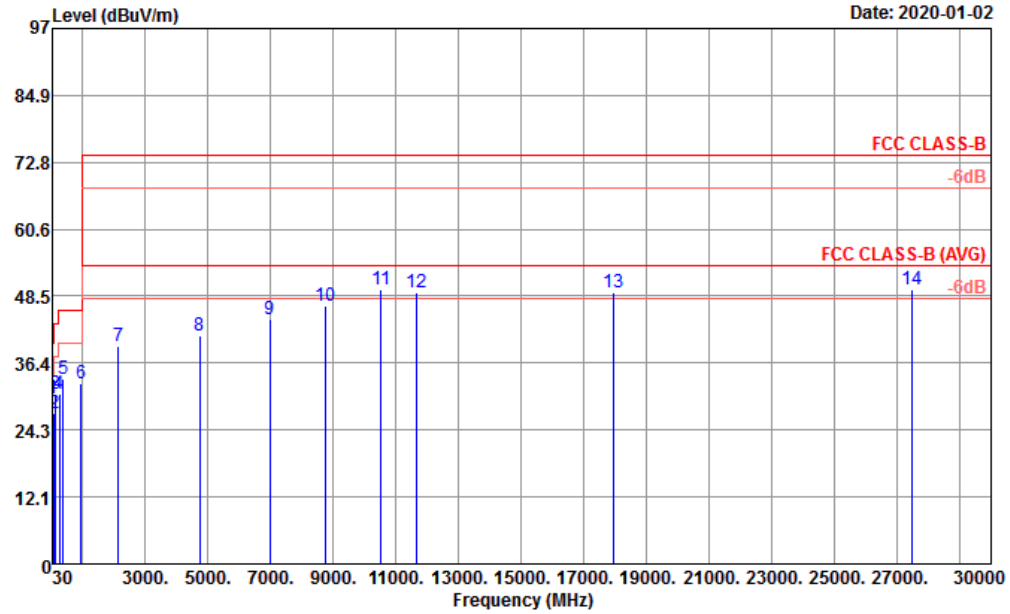
Mode :	Mode 6	Temperature :	23~25℃
Test Engineer :	Donny Tang	Relative Humidity :	52~54%
Test Distance :	3m	Polarization :	Vertical
Remark :	#4 is system simulator signal which can be ignored.		



Site : 03CH10-HY
Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL

		Freq	Level	Over Limit	Limit Line	Antenna Factor	Read Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dB/m	dBuV	dB	dB	cm	deg	
1		30.00	26.65	-13.35	40.00	25.30	33.26	0.58	32.49	100	135	Peak
2		41.64	23.25	-16.75	40.00	18.71	36.33	0.69	32.48	---	---	Peak
3		706.09	28.06	-17.94	46.00	26.62	30.87	2.95	32.38	---	---	Peak
4	*	743.50	56.29			28.17	57.42	3.01	32.31	---	---	Peak
5		852.56	30.63	-15.37	46.00	29.30	29.93	3.26	31.86	---	---	Peak
6		919.49	31.64	-14.36	46.00	29.38	30.20	3.39	31.33	---	---	Peak
7		955.38	32.12	-13.88	46.00	31.21	28.38	3.46	30.93	---	---	Peak
8		2804.00	37.92	-36.08	74.00	28.12	65.40	6.42	62.02	---	---	Peak
9		4870.00	41.30	-32.70	74.00	31.20	64.11	8.56	62.57	---	---	Peak
10		6976.00	44.47	-29.53	74.00	35.30	62.39	10.27	63.49	---	---	Peak
11		8778.00	47.64	-26.36	74.00	37.87	62.44	11.65	64.32	---	---	Peak
12		10532.00	49.72	-24.28	74.00	39.84	61.05	12.51	63.68	---	---	Peak
13		11650.00	49.39	-24.61	74.00	39.35	60.28	13.26	63.50	---	---	Peak
14		17790.00	50.14	-23.86	74.00	44.08	51.90	15.34	61.18	100	186	Peak
15		23052.00	49.74	-24.26	74.00	39.11	42.88	21.13	53.38	---	---	Peak

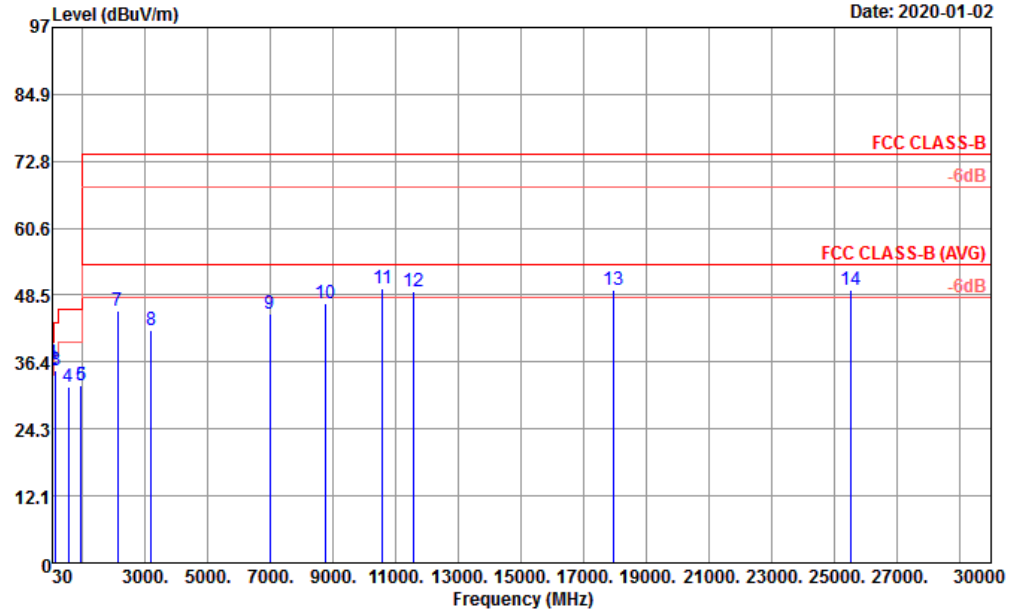
Mode :	Mode 7	Temperature :	23~25°C
Test Engineer :	Donny Tang	Relative Humidity :	52~54%
Test Distance :	3m	Polarization :	Horizontal



Site : 03CH10-HY
Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL

	Freq	Level	Over Limit	Limit Line	Antenna Factor	Read Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dB/m	dBuV	dB	dB	cm	deg	
1	49.40	30.02	-9.98	40.00	14.60	47.14	0.75	32.47	100	198	Peak
2	86.26	27.20	-12.80	40.00	14.25	44.35	0.99	32.39	---	---	Peak
3	143.49	30.89	-12.61	43.50	17.35	44.58	1.28	32.32	---	---	Peak
4	261.83	30.85	-15.15	46.00	19.93	41.37	1.75	32.20	---	---	Peak
5	366.59	33.38	-12.62	46.00	20.73	42.81	2.09	32.25	---	---	Peak
6	955.38	32.60	-13.40	46.00	31.21	28.86	3.46	30.93	---	---	Peak
7	2130.00	39.51	-34.49	74.00	27.32	68.56	5.53	61.90	---	---	Peak
8	4732.00	41.24	-32.76	74.00	31.24	64.16	8.39	62.55	---	---	Peak
9	6986.00	44.36	-29.64	74.00	35.34	62.23	10.28	63.49	---	---	Peak
10	8750.00	46.80	-27.20	74.00	37.70	61.76	11.64	64.30	---	---	Peak
11	10536.00	49.82	-24.18	74.00	39.83	61.16	12.51	63.68	100	118	Peak
12	11656.00	49.16	-24.84	74.00	39.32	60.08	13.26	63.50	---	---	Peak
13	17955.00	49.22	-24.78	74.00	47.38	47.60	15.36	61.12	---	---	Peak
14	27456.00	49.73	-24.27	74.00	39.52	40.57	23.10	53.46	---	---	Peak

Mode :	Mode 7	Temperature :	23~25℃
Test Engineer :	Donny Tang	Relative Humidity :	52~54%
Test Distance :	3m	Polarization :	Vertical



Site : 03CH10-HY
Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL

	Freq	Level	Over Limit	Limit Line	Antenna Factor	Read Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dB/m	dBuV	dB	dB	cm	deg	
1	35.82	36.18	-3.82	40.00	21.84	46.19	0.63	32.48	---	---	Peak
2	49.40	35.19	-4.81	40.00	14.60	52.31	0.75	32.47	100	81	QP
3	143.49	34.72	-8.78	43.50	17.35	48.41	1.28	32.32	---	---	Peak
4	532.46	31.75	-14.25	46.00	24.00	37.66	2.54	32.45	---	---	Peak
5	938.89	32.17	-13.83	46.00	30.23	29.62	3.43	31.11	---	---	Peak
6	957.32	32.26	-13.74	46.00	31.25	28.46	3.46	30.91	---	---	Peak
7	2126.00	45.60	-28.40	74.00	27.26	74.71	5.53	61.90	---	---	Peak
8	3186.00	42.26	-31.74	74.00	28.83	68.73	6.84	62.14	---	---	Peak
9	6986.00	45.13	-28.87	74.00	35.34	63.00	10.28	63.49	---	---	Peak
10	8732.00	47.03	-26.97	74.00	37.66	62.03	11.63	64.29	---	---	Peak
11	10570.00	49.72	-24.28	74.00	39.76	61.09	12.53	63.66	100	128	Peak
12	11578.00	49.11	-24.89	74.00	39.64	59.76	13.21	63.50	---	---	Peak
13	17965.00	49.44	-24.56	74.00	47.65	47.54	15.36	61.11	---	---	Peak
14	25536.00	49.55	-24.45	74.00	39.42	42.27	21.35	53.49	---	---	Peak

———THE END———