



FCC EMI TEST REPORT

FCC ID : PY7-48130K
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. 01, 2018 and testing was started from Mar. 30, 2019 and completed on May 03, 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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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 13.17 dB at 0.175 MHz
3.2	15.109	Radiated Emission	Pass	Under limit 5.93 dB at 30.970 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

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: Monopole / Loop Antenna WLAN: <Ant. 1>: Loop Antenna <Ant. 2>: Monopole / Inverted-F Antenna Bluetooth: Loop Antenna GPS/Glonass/Galileo/ BDS: Loop Antenna NFC: Loop Antenna

EUT Information List			
HW Version	SW Version	S/N	Performed Test Item
A	2.37	BH97006GFR	Conducted Emission Radiated Emission

Accessory List	
AC Adapter	Model Name : UCH32
	S/N: 6218W30200140 (for radiated emission) 6218W30200197 (for conducted emission)
Car Charger	Model Name : AN430
	S/N: 1728A9390002A70
Earphone	Model Name.: MH750
	S/N : N/A
USB Cable	Model Name.: UCB24
	S/N : N/A
2 in 1 USB Audio Cable	Model Name: EC270
	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.
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.
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.



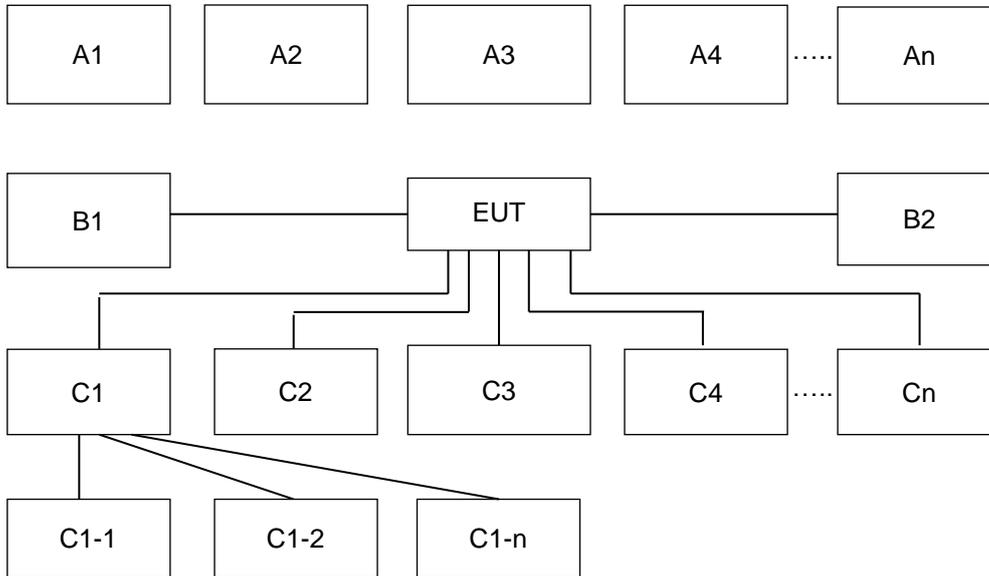
2. Test Configuration of Equipment Under Test

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 (Middle Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + MPEG4 + USB Cable (Charging from Adapter) + Battery
	Mode 2: LTE Band 12 (Middle Channel) Idle + Bluetooth Idle + WLAN (5GHz) Idle + MP3 + USB Audio Cable + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 3: LTE Band 13 (Middle Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + GPS Rx + USB Cable (Charging from Adapter) + Battery
	Mode 4: LTE Band 26 (Middle Channel) Idle + Bluetooth Idle + WLAN (5GHz) Idle + Camera (Front) + USB Audio Cable + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 5: LTE Band 13 (Low Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + Camera (Rear) + USB Cable (Charging from Adapter) + Battery
	Mode 6: LTE Bnad 13 (High Channel) Idle + Bluetooth Idle + WLAN (5GHz) Idle + NFC On + USB Audio Cable + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 7: Flight Mode + USB Cable (Data Link with Notebook) + Battery
Radiated Emissions	Mode 1: GSM850 (Middle Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + MPEG4 + USB Cable (Charging from Adapter) + Battery
	Mode 2: LTE Band 12 (Middle Channel) Idle + Bluetooth Idle + WLAN (5GHz) Idle + MP3 + USB Audio Cable + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 3: LTE Band 13 (Middle Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + GPS Rx + USB Cable (Charging from Car Charger (12Vdc)) + Battery
	Mode 4: LTE Band 26 (Middle Channel) Idle + Bluetooth Idle + WLAN (5GHz) Idle + Camera (Front) + USB Audio Cable + USB Cable (Charging from Car Charger (24Vdc)) + Battery + Earphone
	Mode 5: GSM850 (Low Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + Camera (Rear) + USB Cable (Charging from Adapter) + Battery
	Mode 6: GSM850 (High Channel) Idle + Bluetooth Idle + WLAN (5GHz) Idle + NFC On + USB Audio Cable + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 7: Flight Mode + 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 5/12/13/17/26), only the worst case for cellular band test data of this mode was reported.	

2.2. Connection Diagram of Test System



Conduction 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	X
A2	System Simulator	GSM/UMTS/CDMA/WCDMA/LTE	X	X	X	X	X	X	
A3	GPS Station	GPS			X				
A4	AP router	WiFi	X	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	Music Player	USB Cable to C1							X
C1-2	AP router	RJ-45 Cable to C1							X
C2	Earphone	Earphone jack		X		X		X	
C3	SD card	SD I/O interface without Cable	X	X	X	X	X	X	X



Radiation 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/UMTS/CDMA/WCDMA/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	
B2	DC : 12V	DC Power Cable			X	X			
B3	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	Music Player	USB Cable to C1							X
C1-2	AP router	RJ-45 Cable to C1							X
C2	Earphone	Earphone jack		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.	Bluetooth Earphone	Sony	SBH20	PY7-RD0010	N/A	N/A
6.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
7.	Music Player	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
8.	Notebook	DELL	P20G	FCC DoC/ Contains FCC ID: QDS-BRCM1051	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
9.	Notebook	DELL	Latitude E5480	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
10.	Car Battery	GS	65B24LS	FCC DoC	NA	NA
11.	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 "Music Player" to play MP3 files.
4. Execute "Video player" to play MPEG4 files.
5. Turn on camera to capture images.
6. Turn on NFC function
7. 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.

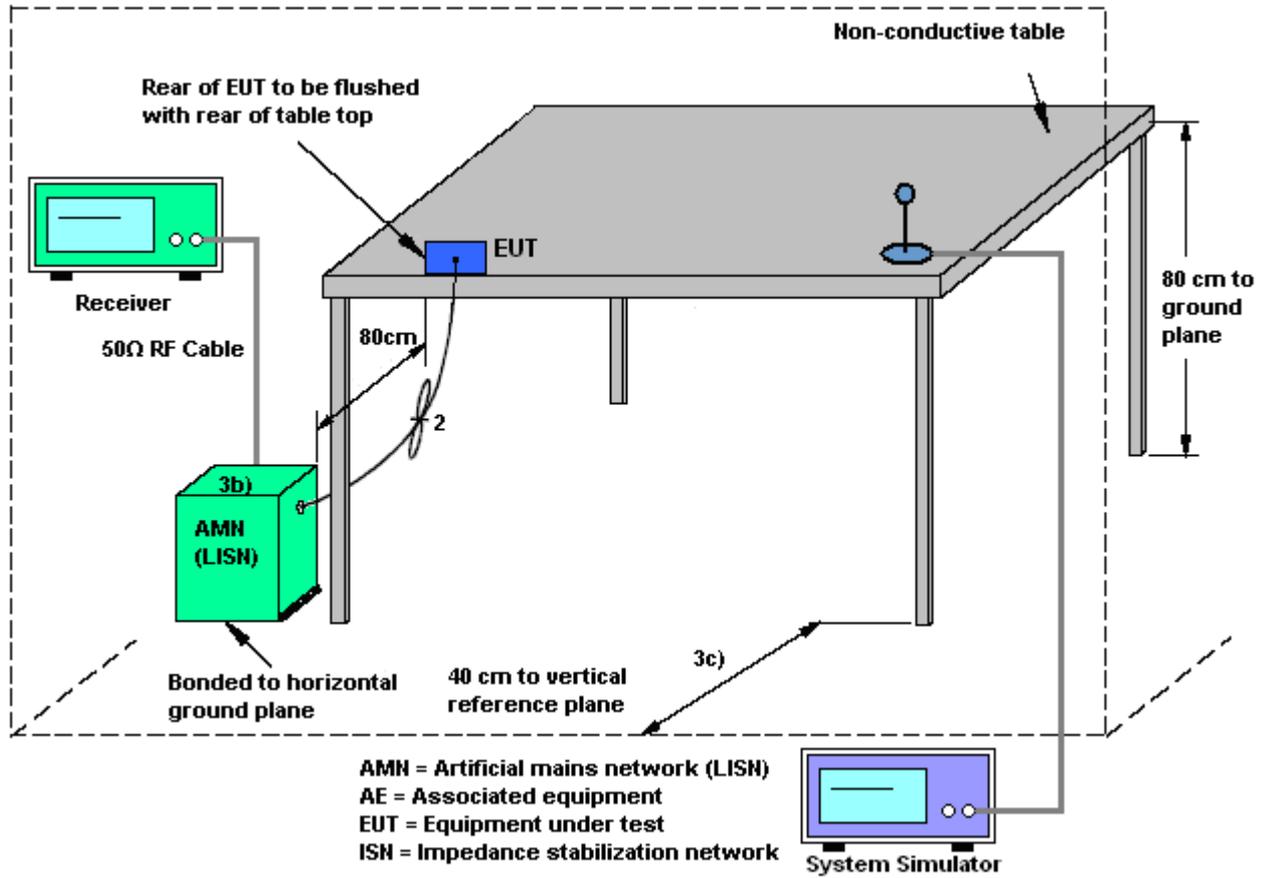
3.1.2 Measuring Instruments

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

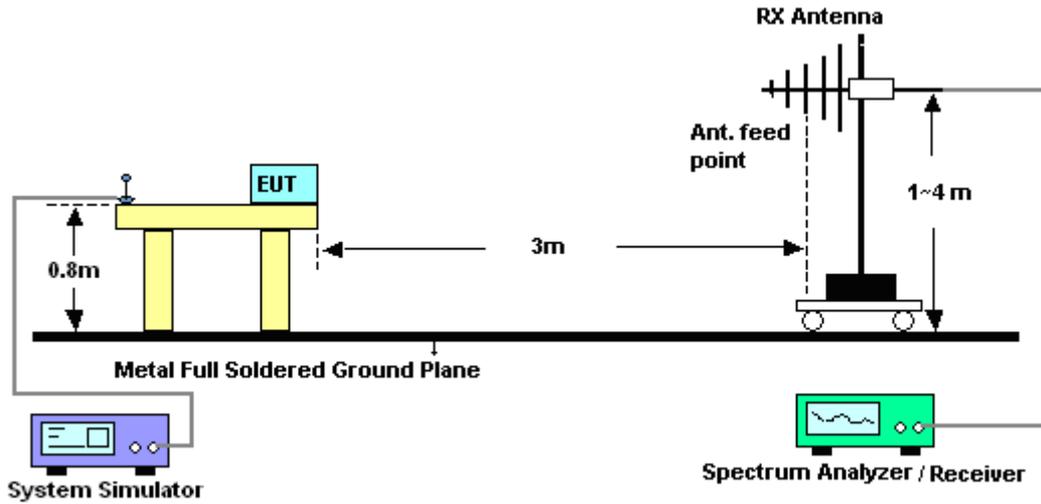
Refer a test equipment and calibration data table in this test report.

3.2.3. Test Procedures

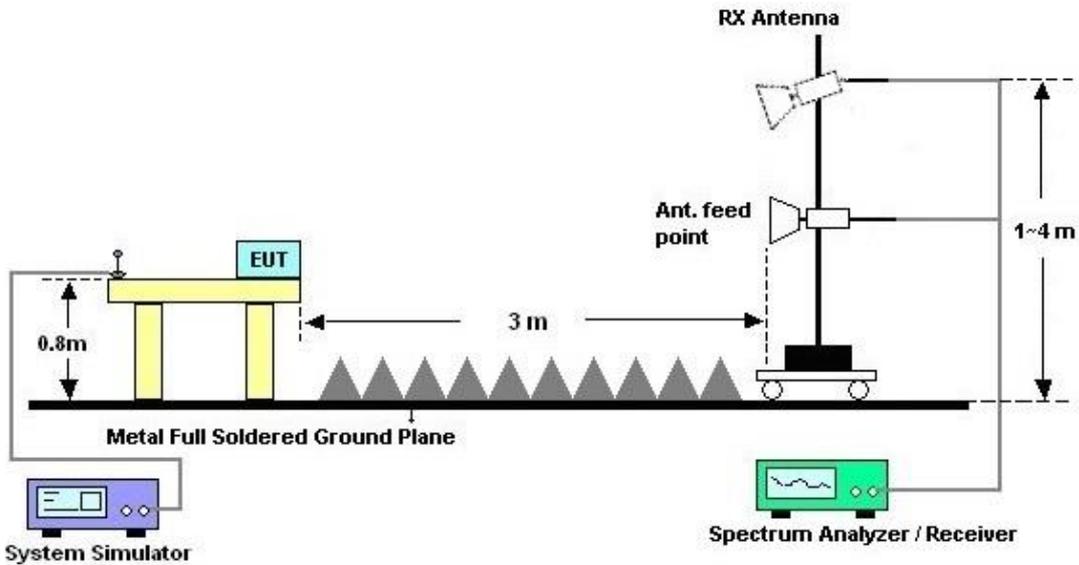
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna 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
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Mar. 30, 2019~ Mar. 31, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Nov. 12, 2018	Mar. 30, 2019~ Mar. 31, 2019	Nov. 11, 2019	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Mar. 19, 2019	Mar. 30, 2019~ Mar. 31, 2019	Mar. 18, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Mar. 30, 2019~ Mar. 31, 2019	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Mar. 30, 2019~ Mar. 31, 2019	Nov. 08, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Mar. 30, 2019~ Mar. 31, 2019	N/A	Conduction (CO05-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Sep. 14, 2018	Mar. 30, 2019~ Mar. 31, 2019	Sep. 13, 2019	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBE CK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Nov. 08, 2018	Mar. 30, 2019~ Mar. 31, 2019	Nov. 07, 2019	Conduction (CO05-HY)
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Oct. 23, 2018	Apr. 04, 2019~ May 03, 2019	Oct. 22, 2019	Radiation (03CH10-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	35413&02	30MHz~1GHz	Feb. 12, 2019	Apr. 04, 2019~ May 03, 2019	Feb. 11, 2020	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-132 5	1GHz ~ 18GHz	Oct. 02, 2018	Apr. 04, 2019~ May 03, 2019	Oct. 01, 2019	Radiation (03CH10-HY)
Preamplifier	Jet-Power	JAP00101800 -30-10P	160118550 004	1GHz~18GHz	Apr. 17, 2018	Apr. 04, 2019~ Apr. 05, 2019	Apr. 16, 2019	Radiation (03CH10-HY)
Preamplifier	Jet-Power	JAP00101800 -30-10P	160118550 004	1GHz~18GHz	Apr. 25, 2019	May 03, 2019	Apr. 24, 2020	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY542004 85	10Hz ~ 44GHz	Nov. 02, 2018	Apr. 04, 2019~ May 03, 2019	Nov. 01, 2019	Radiation (03CH10-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Apr. 04, 2019~ May 03, 2019	N/A	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500- B	N/A	1~4m	N/A	Apr. 04, 2019~ May 03, 2019	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	Apr. 04, 2019~ May 03, 2019	N/A	Radiation (03CH10-HY)
Software	Audix	E3 6.2009-8-24	RK-00104 2	N/A	N/A	Apr. 04, 2019~ May 03, 2019	N/A	Radiation (03CH10-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY541300 85	20Hz ~ 8.4GHz	Nov. 01, 2018	Apr. 04, 2019~ May 03, 2019	Oct. 31, 2019	Radiation (03CH10-HY)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4PE, MY11693/4PE, MY2855/2	30M-1G	Nov. 08, 2018	Apr. 04, 2019~ May 03, 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. 04, 2019~ May 03, 2019	Nov. 07, 2019	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Oct. 16, 2018	Apr. 04, 2019~ May 03, 2019	Oct. 15, 2019	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30M~40GHz	Oct. 16, 2018	Apr. 04, 2019~ May 03, 2019	Oct. 15, 2019	Radiation (03CH10-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170 584	18GHz- 40GHz	Dec. 05, 2018	Apr. 04, 2019~ May 03, 2019	Dec. 04, 2019	Radiation (03CH10-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 06, 2018	Apr. 04, 2019~ May 03, 2019	Dec. 05, 2019	Radiation (03CH10-HY)
Filter	Microwave	H1G013G1	SN477215	1.0G High Pass	Nov. 02, 2018	Apr. 04, 2019~ May 03, 2019	Nov. 01, 2019	Radiation (03CH10-HY)
Filter	Wainwright	WLKS1200-8 SS	SN3	1.2G Low Pass	Nov. 02, 2018	Apr. 04, 2019~ May 03, 2019	Nov. 01, 2019	Radiation (03CH10-HY)



5. Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.20
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

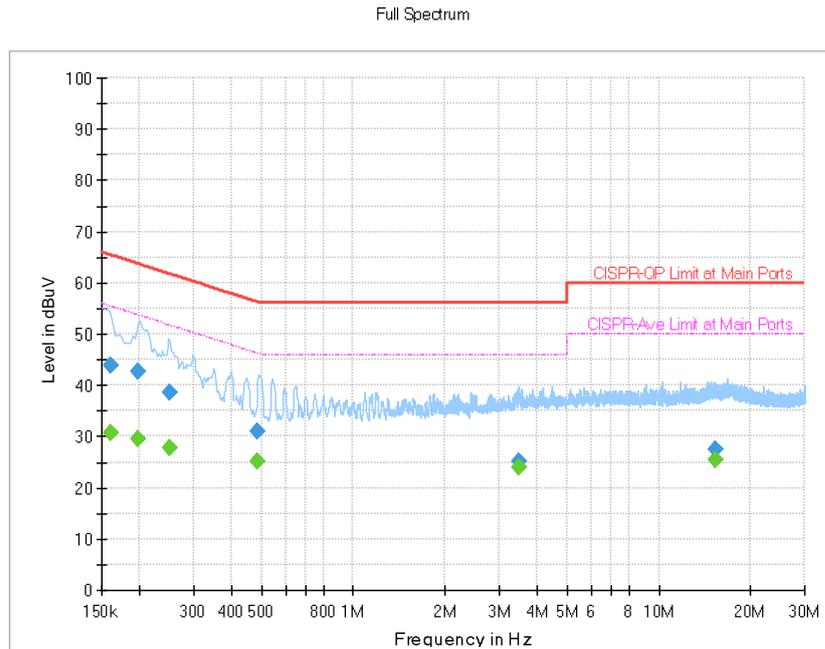
Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.60
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.20
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Appendix A. AC Conducted Emission Test Results

Test Mode :	Mode 1	Temperature :	22~23°C
Test Engineer :	Rick Lin	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

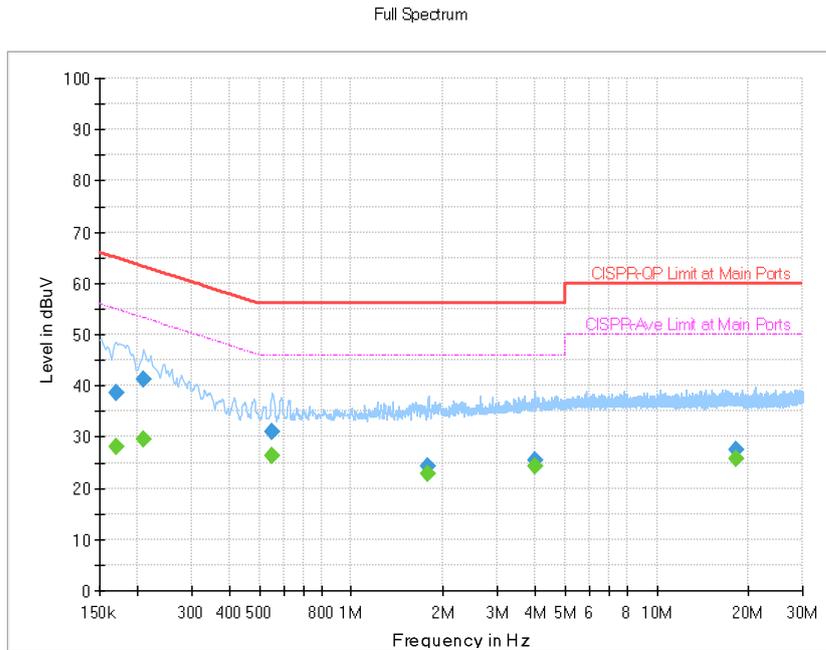


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	43.89	---	65.40	21.51	L1	OFF	19.5
0.161250	---	30.71	55.40	24.69	L1	OFF	19.5
0.197250	42.59	---	63.73	21.14	L1	OFF	19.5
0.197250	---	29.63	53.73	24.10	L1	OFF	19.5
0.251250	38.60	---	61.72	23.12	L1	OFF	19.5
0.251250	---	27.69	51.72	24.03	L1	OFF	19.5
0.487500	31.14	---	56.21	25.07	L1	OFF	19.5
0.487500	---	25.12	46.21	21.09	L1	OFF	19.5
3.471000	25.18	---	56.00	30.82	L1	OFF	19.7
3.471000	---	24.10	46.00	21.90	L1	OFF	19.7
15.317250	27.39	---	60.00	32.61	L1	OFF	20.1
15.317250	---	25.41	50.00	24.59	L1	OFF	20.1



Test Mode :	Mode 1	Temperature :	22~23°C
Test Engineer :	Rick Lin	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

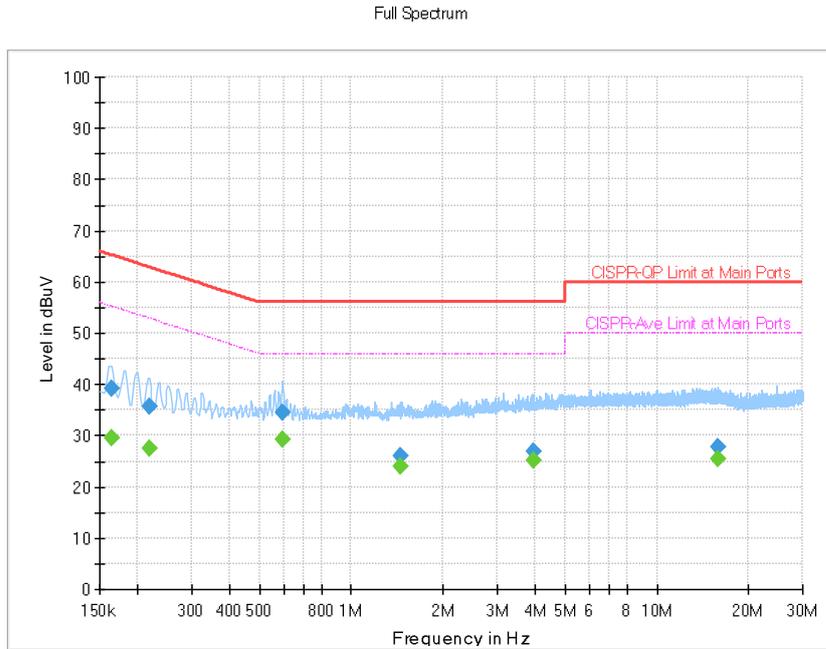


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.170250	---	28.03	54.95	26.92	N	OFF	19.5
0.170250	38.59	---	64.95	26.36	N	OFF	19.5
0.208500	---	29.46	53.27	23.81	N	OFF	19.5
0.208500	41.18	---	63.27	22.09	N	OFF	19.5
0.552750	---	26.27	46.00	19.73	N	OFF	19.5
0.552750	30.98	---	56.00	25.02	N	OFF	19.5
1.788000	---	22.95	46.00	23.05	N	OFF	19.6
1.788000	24.15	---	56.00	31.85	N	OFF	19.6
4.006500	---	24.40	46.00	21.60	N	OFF	19.7
4.006500	25.40	---	56.00	30.60	N	OFF	19.7
18.179250	---	25.66	50.00	24.34	N	OFF	20.2
18.179250	27.39	---	60.00	32.61	N	OFF	20.2



Test Mode :	Mode 2	Temperature :	22~23°C
Test Engineer :	Rick Lin	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

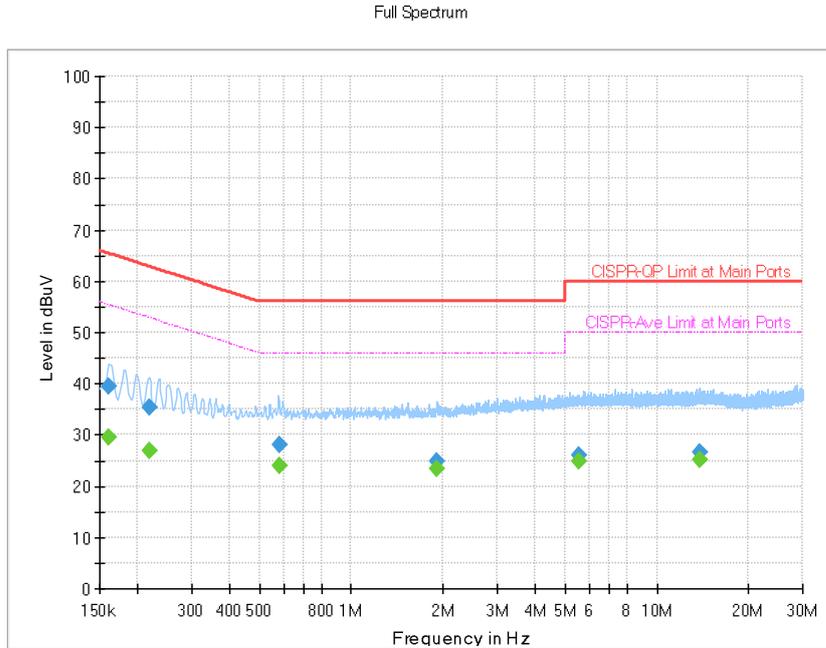


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.163500	---	29.60	55.28	25.68	L1	OFF	19.5
0.163500	39.18	---	65.28	26.10	L1	OFF	19.5
0.217500	---	27.44	52.91	25.47	L1	OFF	19.5
0.217500	35.70	---	62.91	27.21	L1	OFF	19.5
0.595500	---	29.11	46.00	16.89	L1	OFF	19.5
0.595500	34.60	---	56.00	21.40	L1	OFF	19.5
1.441500	---	23.92	46.00	22.08	L1	OFF	19.6
1.441500	25.92	---	56.00	30.08	L1	OFF	19.6
3.950250	---	25.23	46.00	20.77	L1	OFF	19.7
3.950250	26.98	---	56.00	29.02	L1	OFF	19.7
15.870750	---	25.56	50.00	24.44	L1	OFF	20.1
15.870750	27.75	---	60.00	32.25	L1	OFF	20.1



Test Mode :	Mode 2	Temperature :	22~23°C
Test Engineer :	Rick Lin	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

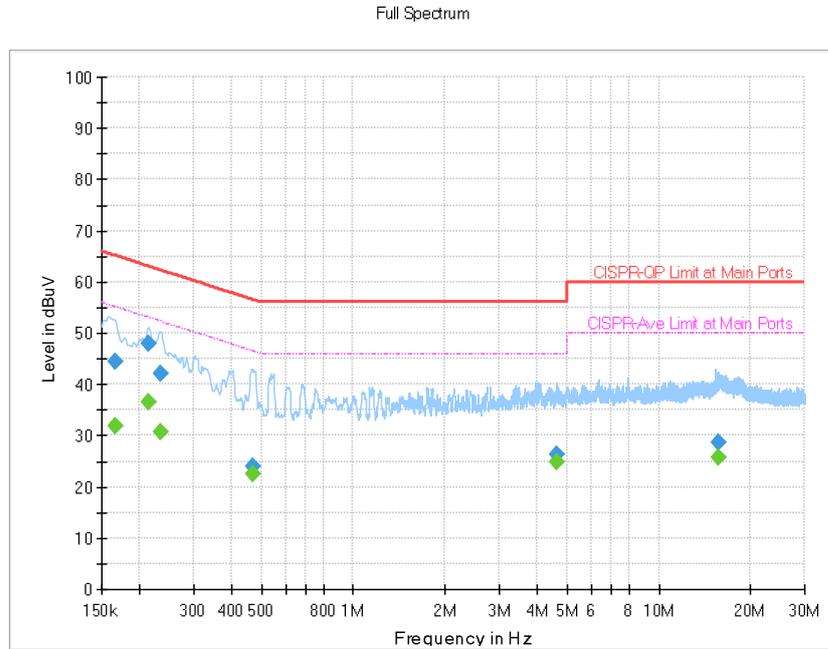


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	29.58	55.40	25.82	N	OFF	19.5
0.161250	39.46	---	65.40	25.94	N	OFF	19.5
0.217500	---	27.05	52.91	25.86	N	OFF	19.5
0.217500	35.47	---	62.91	27.44	N	OFF	19.5
0.579750	---	23.97	46.00	22.03	N	OFF	19.5
0.579750	28.06	---	56.00	27.94	N	OFF	19.5
1.914000	---	23.31	46.00	22.69	N	OFF	19.6
1.914000	24.74	---	56.00	31.26	N	OFF	19.6
5.570250	---	24.88	50.00	25.12	N	OFF	19.7
5.570250	25.91	---	60.00	34.09	N	OFF	19.7
13.852500	---	25.20	50.00	24.80	N	OFF	20.1
13.852500	26.75	---	60.00	33.25	N	OFF	20.1



Test Mode :	Mode 3	Temperature :	22~23°C
Test Engineer :	Rick Lin	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

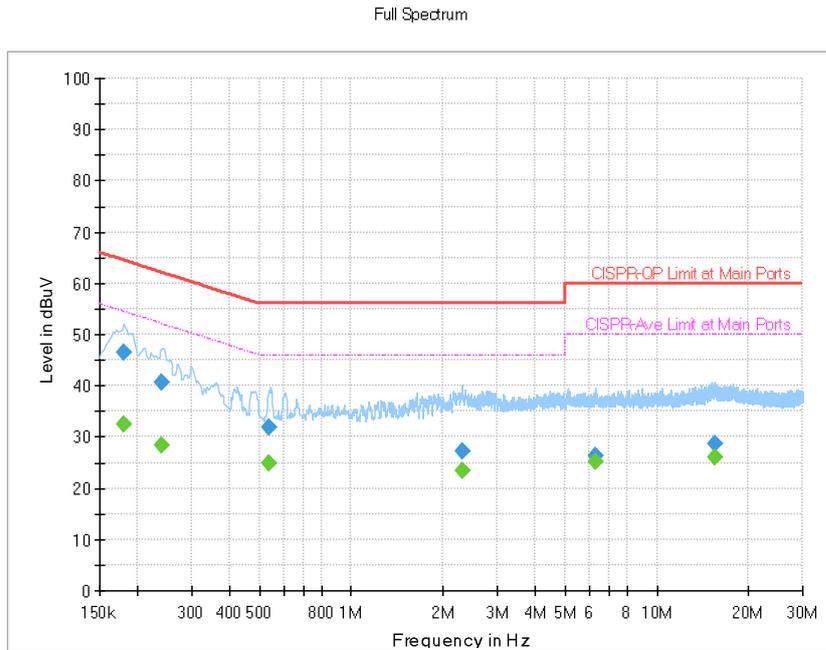


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.165750	---	31.77	55.17	23.40	L1	OFF	19.5
0.165750	44.56	---	65.17	20.61	L1	OFF	19.5
0.213000	---	36.50	53.09	16.59	L1	OFF	19.5
0.213000	47.87	---	63.09	15.22	L1	OFF	19.5
0.233250	---	30.56	52.33	21.77	L1	OFF	19.5
0.233250	42.23	---	62.33	20.10	L1	OFF	19.5
0.469500	---	22.64	46.52	23.88	L1	OFF	19.5
0.469500	23.90	---	56.52	32.62	L1	OFF	19.5
4.638750	---	24.78	46.00	21.22	L1	OFF	19.7
4.638750	26.18	---	56.00	29.82	L1	OFF	19.7
15.585000	---	25.74	50.00	24.26	L1	OFF	20.1
15.585000	28.61	---	60.00	31.39	L1	OFF	20.1



Test Mode :	Mode 3	Temperature :	22~23°C
Test Engineer :	Rick Lin	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

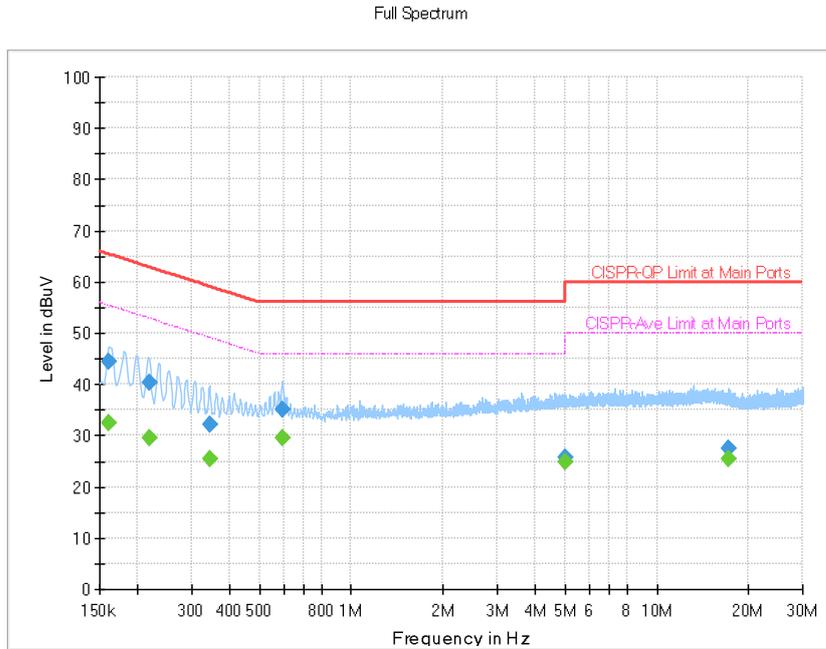


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.179250	---	32.54	54.52	21.98	N	OFF	19.5
0.179250	46.53	---	64.52	17.99	N	OFF	19.5
0.240000	---	28.49	52.10	23.61	N	OFF	19.5
0.240000	40.65	---	62.10	21.45	N	OFF	19.5
0.539250	---	24.93	46.00	21.07	N	OFF	19.5
0.539250	31.75	---	56.00	24.25	N	OFF	19.5
2.316750	---	23.36	46.00	22.64	N	OFF	19.5
2.316750	27.32	---	56.00	28.68	N	OFF	19.5
6.276750	---	25.11	50.00	24.89	N	OFF	19.8
6.276750	26.33	---	60.00	33.67	N	OFF	19.8
15.472500	---	25.91	50.00	24.09	N	OFF	20.1
15.472500	28.75	---	60.00	31.25	N	OFF	20.1



Test Mode :	Mode 4	Temperature :	22~23°C
Test Engineer :	Rick Lin	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

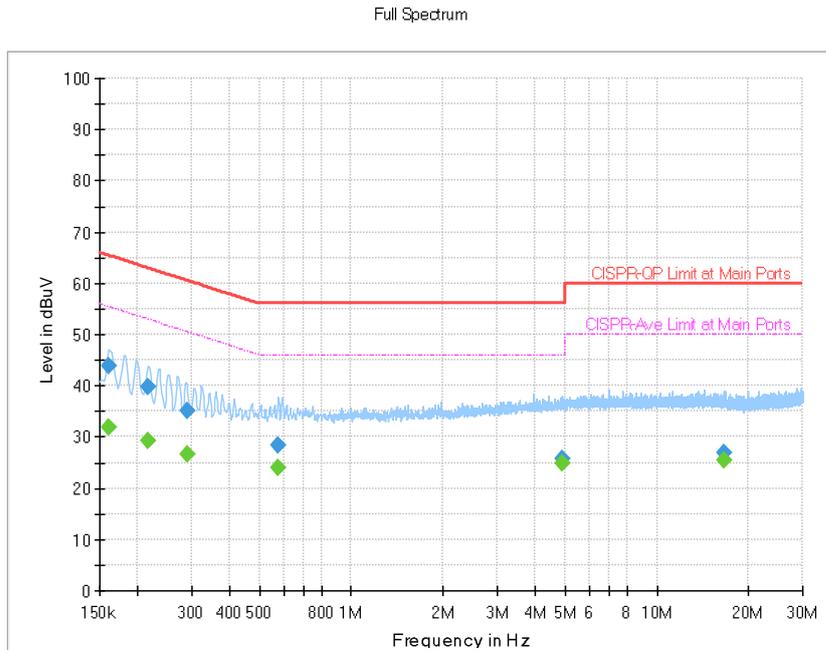


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	32.51	55.40	22.89	L1	OFF	19.5
0.161250	44.50	---	65.40	20.90	L1	OFF	19.5
0.217500	---	29.66	52.91	23.25	L1	OFF	19.5
0.217500	40.42	---	62.91	22.49	L1	OFF	19.5
0.343500	---	25.30	49.12	23.82	L1	OFF	19.5
0.343500	32.26	---	59.12	26.86	L1	OFF	19.5
0.595500	---	29.43	46.00	16.57	L1	OFF	19.5
0.595500	35.17	---	56.00	20.83	L1	OFF	19.5
5.039250	---	24.75	50.00	25.25	L1	OFF	19.7
5.039250	25.79	---	60.00	34.21	L1	OFF	19.7
17.178000	---	25.45	50.00	24.55	L1	OFF	20.2
17.178000	27.41	---	60.00	32.59	L1	OFF	20.2



Test Mode :	Mode 4	Temperature :	22~23°C
Test Engineer :	Rick Lin	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

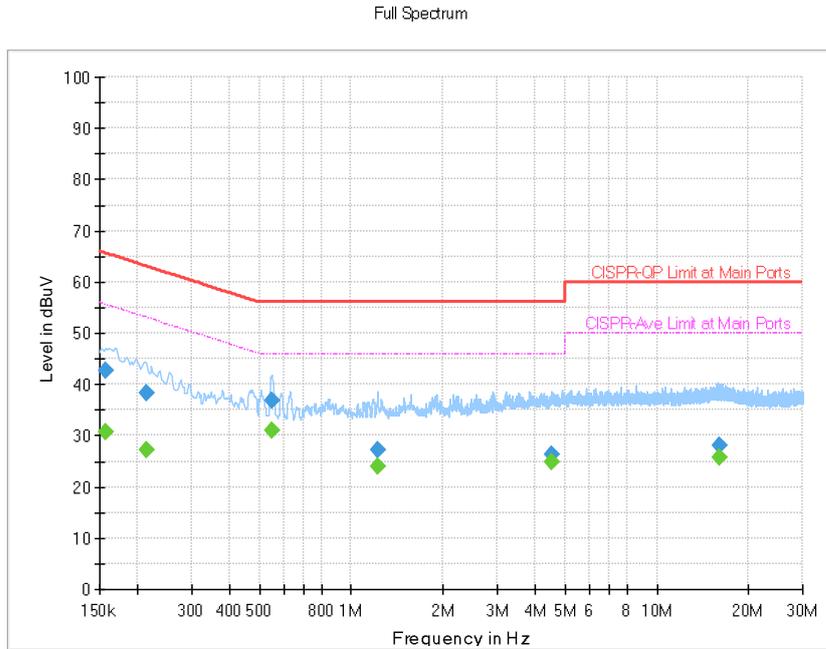


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	31.97	55.40	23.43	N	OFF	19.5
0.161250	43.90	---	65.40	21.50	N	OFF	19.5
0.215250	---	29.09	53.00	23.91	N	OFF	19.5
0.215250	39.69	---	63.00	23.31	N	OFF	19.5
0.289500	---	26.57	50.54	23.97	N	OFF	19.5
0.289500	35.20	---	60.54	25.34	N	OFF	19.5
0.575250	---	23.93	46.00	22.07	N	OFF	19.5
0.575250	28.45	---	56.00	27.55	N	OFF	19.5
4.922250	---	24.86	46.00	21.14	N	OFF	19.7
4.922250	25.86	---	56.00	30.14	N	OFF	19.7
16.660500	---	25.33	50.00	24.67	N	OFF	20.2
16.660500	26.99	---	60.00	33.01	N	OFF	20.2



Test Mode :	Mode 5	Temperature :	22~23°C
Test Engineer :	Rick Lin	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

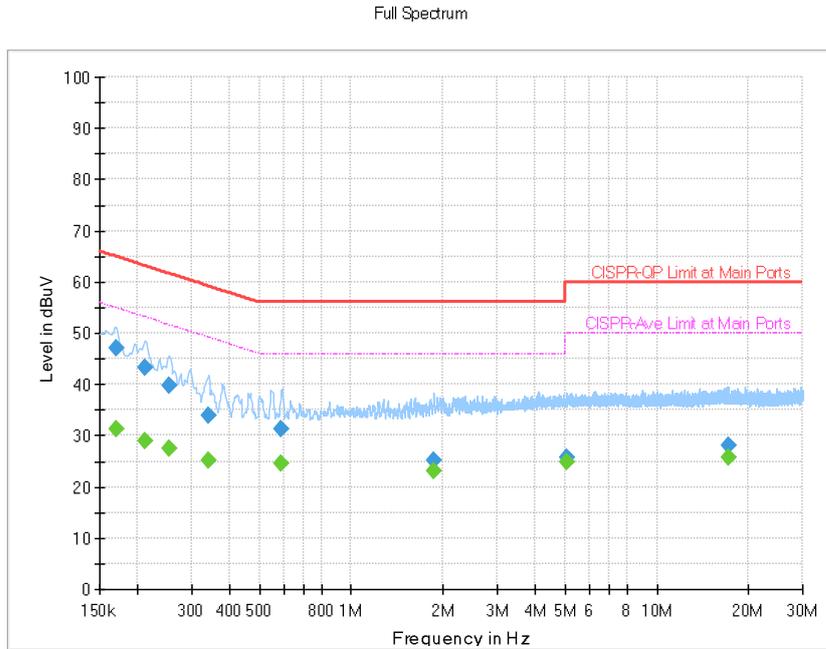


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	30.82	55.63	24.81	L1	OFF	19.5
0.156750	42.64	---	65.63	22.99	L1	OFF	19.5
0.213000	---	27.11	53.09	25.98	L1	OFF	19.5
0.213000	38.31	---	63.09	24.78	L1	OFF	19.5
0.548250	---	30.93	46.00	15.07	L1	OFF	19.5
0.548250	36.87	---	56.00	19.13	L1	OFF	19.5
1.216500	---	23.99	46.00	22.01	L1	OFF	19.6
1.216500	27.32	---	56.00	28.68	L1	OFF	19.6
4.521750	---	24.82	46.00	21.18	L1	OFF	19.7
4.521750	26.32	---	56.00	29.68	L1	OFF	19.7
15.972000	---	25.81	50.00	24.19	L1	OFF	20.1
15.972000	28.13	---	60.00	31.87	L1	OFF	20.1



Test Mode :	Mode 5	Temperature :	22~23°C
Test Engineer :	Rick Lin	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

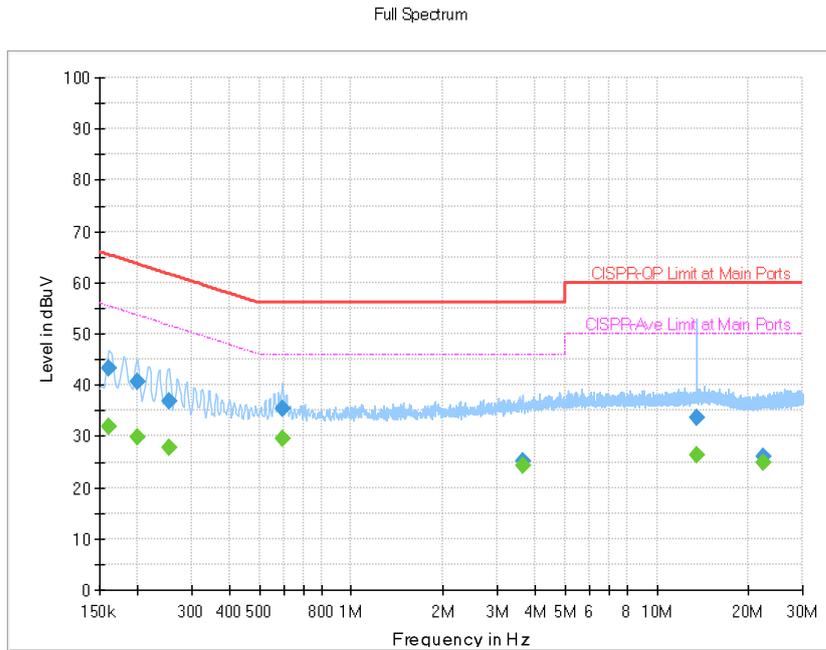


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.170250	---	31.29	54.95	23.66	N	OFF	19.5
0.170250	47.12	---	64.95	17.83	N	OFF	19.5
0.210750	---	28.99	53.18	24.19	N	OFF	19.5
0.210750	43.14	---	63.18	20.04	N	OFF	19.5
0.253500	---	27.58	51.64	24.06	N	OFF	19.5
0.253500	39.91	---	61.64	21.73	N	OFF	19.5
0.339000	---	25.12	49.23	24.11	N	OFF	19.5
0.339000	34.02	---	59.23	25.21	N	OFF	19.5
0.591000	---	24.52	46.00	21.48	N	OFF	19.5
0.591000	31.14	---	56.00	24.86	N	OFF	19.5
1.860000	---	23.12	46.00	22.88	N	OFF	19.6
1.860000	25.17	---	56.00	30.83	N	OFF	19.6
5.064000	---	24.79	50.00	25.21	N	OFF	19.7
5.064000	25.85	---	60.00	34.15	N	OFF	19.7
17.227500	---	25.77	50.00	24.23	N	OFF	20.2
17.227500	27.93	---	60.00	32.07	N	OFF	20.2



Test Mode :	Mode 6	Temperature :	22~23°C
Test Engineer :	Rick Lin	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

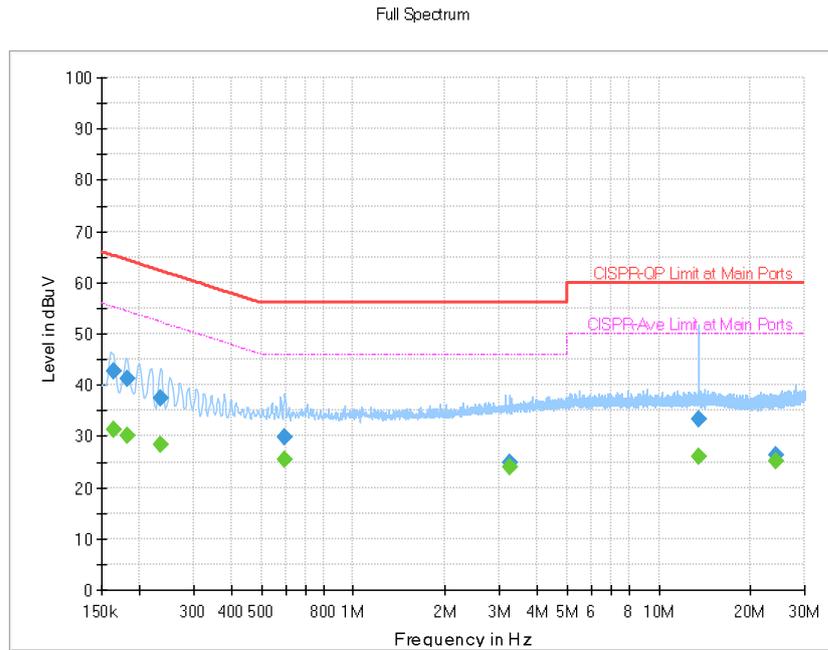


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	31.78	55.40	23.62	L1	OFF	19.5
0.161250	43.29	---	65.40	22.11	L1	OFF	19.5
0.199500	---	29.92	53.63	23.71	L1	OFF	19.5
0.199500	40.63	---	63.63	23.00	L1	OFF	19.5
0.253500	---	27.82	51.64	23.82	L1	OFF	19.5
0.253500	36.92	---	61.64	24.72	L1	OFF	19.5
0.595500	---	29.41	46.00	16.59	L1	OFF	19.5
0.595500	35.25	---	56.00	20.75	L1	OFF	19.5
3.637500	---	24.13	46.00	21.87	L1	OFF	19.7
3.637500	25.27	---	56.00	30.73	L1	OFF	19.7
13.560000	---	26.29	50.00	23.71	L1	OFF	20.0
13.560000	33.53	---	60.00	26.47	L1	OFF	20.0
22.431750	---	24.94	50.00	25.06	L1	OFF	20.3
22.431750	26.12	---	60.00	33.88	L1	OFF	20.3



Test Mode :	Mode 6	Temperature :	22~23°C
Test Engineer :	Rick Lin	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

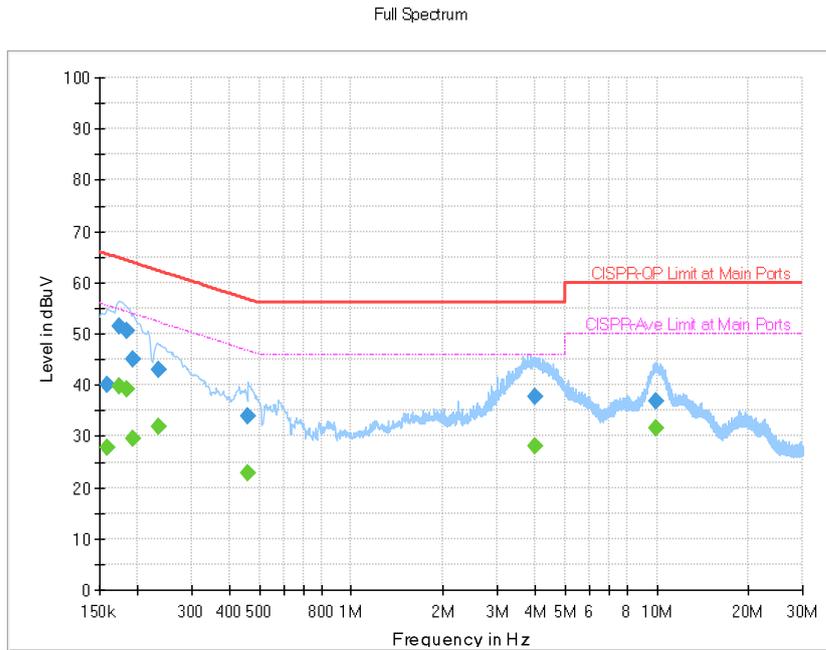


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.163500	---	31.22	55.28	24.06	N	OFF	19.5
0.163500	42.68	---	65.28	22.60	N	OFF	19.5
0.181500	---	30.19	54.42	24.23	N	OFF	19.5
0.181500	41.36	---	64.42	23.06	N	OFF	19.5
0.233250	---	28.29	52.33	24.04	N	OFF	19.5
0.233250	37.46	---	62.33	24.87	N	OFF	19.5
0.595500	---	25.50	46.00	20.50	N	OFF	19.5
0.595500	29.79	---	56.00	26.21	N	OFF	19.5
3.252750	---	23.84	46.00	22.16	N	OFF	19.6
3.252750	24.82	---	56.00	31.18	N	OFF	19.6
13.560000	---	25.98	50.00	24.02	N	OFF	20.1
13.560000	33.39	---	60.00	26.61	N	OFF	20.1
24.117000	---	25.16	50.00	24.84	N	OFF	20.5
24.117000	26.26	---	60.00	33.74	N	OFF	20.5



Test Mode :	Mode 7	Temperature :	22~23°C
Test Engineer :	Rick Lin	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

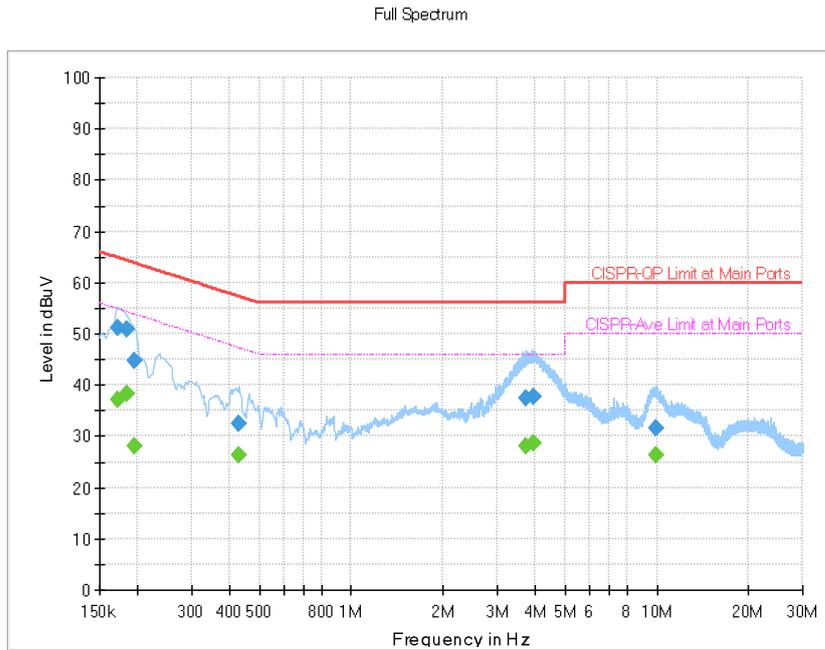


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	27.67	55.52	27.85	L1	OFF	19.5
0.159000	40.20	---	65.52	25.32	L1	OFF	19.5
0.174750	---	39.75	54.73	14.98	L1	OFF	19.5
0.174750	51.56	---	64.73	13.17	L1	OFF	19.5
0.183750	---	39.19	54.31	15.12	L1	OFF	19.5
0.183750	50.73	---	64.31	13.58	L1	OFF	19.5
0.192750	---	29.47	53.92	24.45	L1	OFF	19.5
0.192750	45.14	---	63.92	18.78	L1	OFF	19.5
0.233250	---	31.81	52.33	20.52	L1	OFF	19.5
0.233250	43.10	---	62.33	19.23	L1	OFF	19.5
0.460500	---	22.73	46.68	23.95	L1	OFF	19.5
0.460500	33.92	---	56.68	22.76	L1	OFF	19.5
3.995250	---	28.00	46.00	18.00	L1	OFF	19.6
3.995250	37.72	---	56.00	18.28	L1	OFF	19.6
9.933000	---	31.59	50.00	18.41	L1	OFF	19.7
9.933000	36.89	---	60.00	23.11	L1	OFF	19.7



Test Mode :	Mode 7	Temperature :	22~23°C
Test Engineer :	Rick Lin	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



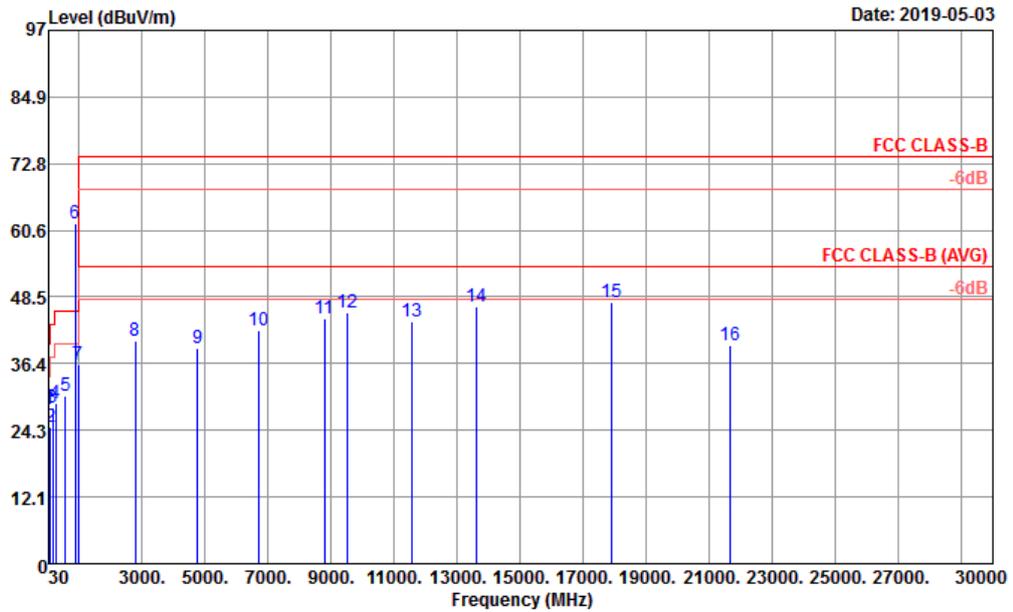
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.172500	---	37.26	54.84	17.58	N	OFF	19.5
0.172500	51.28	---	64.84	13.56	N	OFF	19.5
0.183750	---	38.29	54.31	16.02	N	OFF	19.5
0.183750	50.80	---	64.31	13.51	N	OFF	19.5
0.195000	---	28.10	53.82	25.72	N	OFF	19.5
0.195000	44.70	---	63.82	19.12	N	OFF	19.5
0.429000	---	26.24	47.27	21.03	N	OFF	19.5
0.429000	32.36	---	57.27	24.91	N	OFF	19.5
3.729750	---	28.16	46.00	17.84	N	OFF	19.6
3.729750	37.36	---	56.00	18.64	N	OFF	19.6
3.925500	---	28.63	46.00	17.37	N	OFF	19.6
3.925500	37.68	---	56.00	18.32	N	OFF	19.6
9.903750	---	26.26	50.00	23.74	N	OFF	19.7
9.903750	31.53	---	60.00	28.47	N	OFF	19.7



Appendix B. Radiated Emission Test Result

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

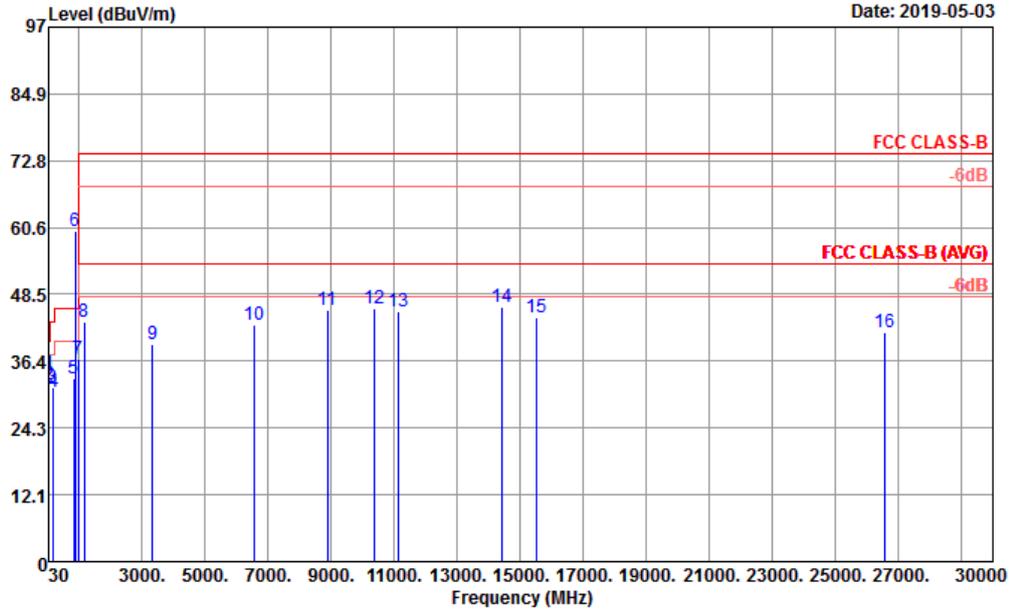


Site : 03CH10-HY
 Condition : FCC CLASS-B 3m HORN_9170_40G_0584 HORIZONTAL
 Project : 802421-03
 Power : 120Vac/60Hz

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	30.00	28.08	-11.92	40.00	35.11	25.30	0.45	32.78	100	0 Peak
2	80.44	24.74	-15.26	40.00	43.01	13.50	0.93	32.70	---	---
3	158.04	28.30	-15.20	43.50	42.99	16.60	1.33	32.62	---	---
4	259.89	29.10	-16.90	46.00	39.92	19.98	1.80	32.60	---	---
5	555.74	30.54	-15.46	46.00	34.59	25.96	2.67	32.68	---	---
6 *	881.40	62.01			61.45	29.07	3.41	31.92	---	---
7	962.17	36.25	-17.75	54.00	32.62	31.30	3.54	31.21	---	---
8	2786.00	40.48	-33.52	74.00	67.15	27.87	7.32	61.86	---	---
9	4770.00	39.28	-34.72	74.00	61.89	31.16	8.53	62.30	---	---
10	6718.00	42.40	-31.60	74.00	60.80	34.46	10.40	63.26	---	---
11	8782.00	44.71	-29.29	74.00	59.73	37.66	11.76	64.44	---	---
12	9504.00	45.63	-28.37	74.00	59.87	38.31	12.15	64.70	---	---
13	11552.00	43.94	-30.06	74.00	54.83	39.40	13.65	63.94	---	---
14	13602.00	46.62	-27.38	74.00	55.24	40.30	14.44	63.36	---	---
15	17886.00	47.54	-26.46	74.00	47.57	45.05	17.27	62.35	100	0 Peak
16	21660.00	39.66	-34.34	74.00	54.36	38.50	0.00	53.20	---	---



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.		

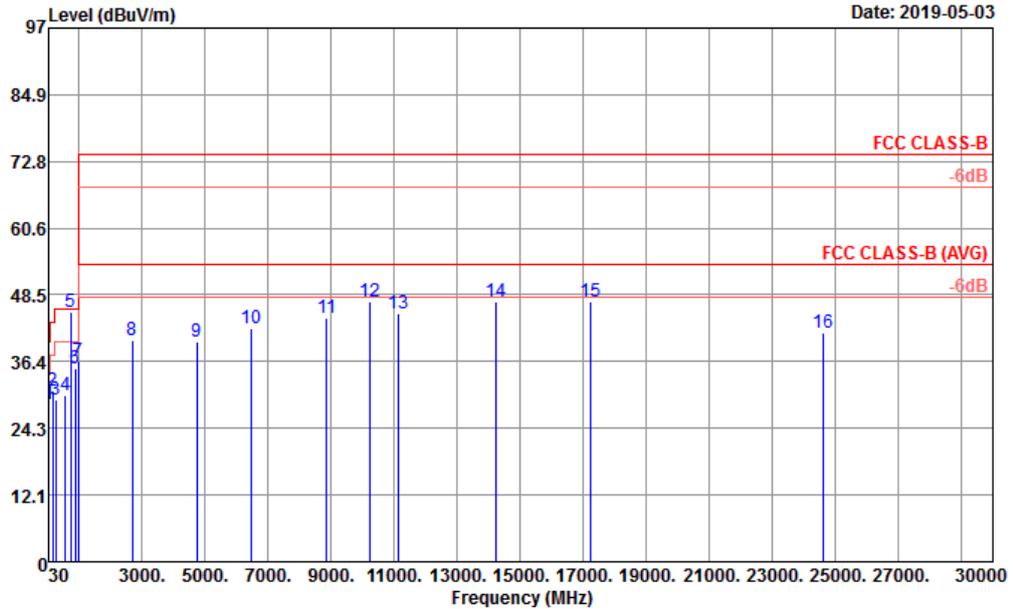


Site : 03CH10-HY
 Condition : FCC CLASS-B 3m HORN_9170_40G_0584 VERTICAL
 Project : 802421-03
 Power : 120Vac/60Hz

	Freq	Level	Over Limit	Limit Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	30.97	34.07	-5.93	40.00	41.59	24.81	0.45	32.78	100	0 Peak
2	43.58	32.11	-7.89	40.00	46.57	17.64	0.66	32.76	---	--- Peak
3	155.13	31.61	-11.89	43.50	46.02	16.90	1.32	32.63	---	--- Peak
4	191.02	30.85	-12.65	43.50	47.17	14.80	1.48	32.60	---	--- Peak
5	822.49	33.37	-12.63	46.00	34.17	28.15	3.30	32.25	---	--- Peak
6 *	881.40	59.97			59.41	29.07	3.41	31.92	---	--- Peak
7	965.08	36.75	-17.25	54.00	33.09	31.30	3.54	31.18	---	--- Peak
8	1164.00	43.46	-30.54	74.00	75.83	25.10	4.10	61.57	---	--- Peak
9	3340.00	39.50	-34.50	74.00	65.54	28.02	8.04	62.10	---	--- Peak
10	6554.00	42.97	-31.03	74.00	61.54	34.31	10.18	63.06	---	--- Peak
11	8882.00	45.54	-28.46	74.00	60.72	37.57	11.81	64.56	---	--- Peak
12	10376.00	45.93	-28.07	74.00	58.18	39.50	12.75	64.50	---	--- Peak
13	11154.00	45.36	-28.64	74.00	56.36	39.49	13.34	63.83	---	--- Peak
14	14436.00	46.28	-27.72	74.00	53.34	41.24	14.99	63.29	100	0 Peak
15	15510.00	44.26	-29.74	74.00	53.40	38.32	15.55	63.01	---	--- Peak
16	26568.00	41.74	-32.26	74.00	55.14	39.61	0.00	53.01	---	--- Peak



Mode :	Mode 2	Temperature :	20~23°C
Test Engineer :	Daniel Lee	Relative Humidity :	50~53%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#5 is system simulator signal which can be ignored.		

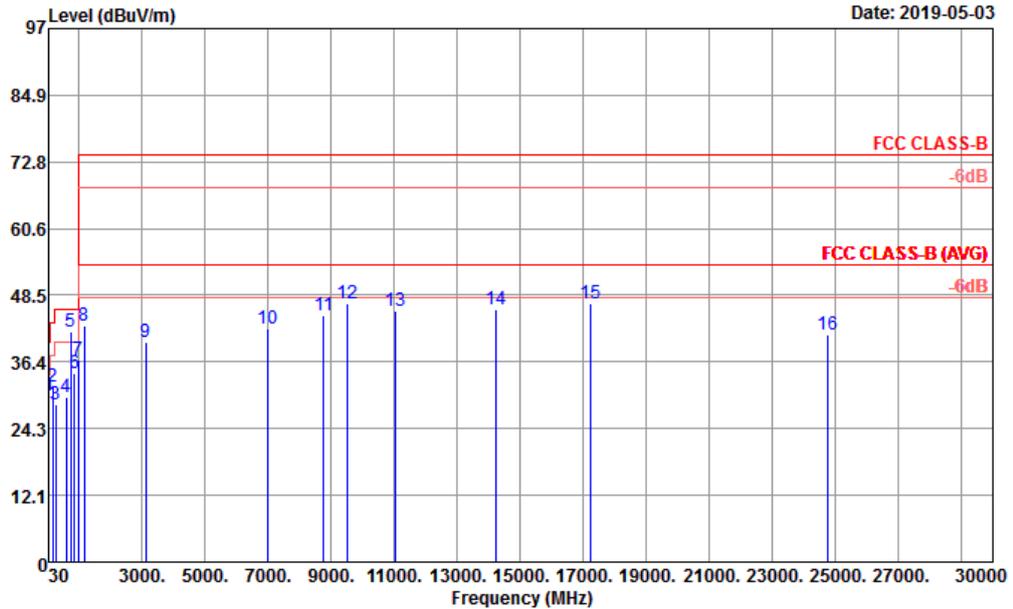


Site : 03CH10-HY
 Condition : FCC CLASS-B 3m HORN_9170_40G_0584 HORIZONTAL
 Project : 802421-03
 Power : 120Vac/60Hz

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.97	28.52	-11.48	40.00	36.04	24.81	0.45	32.78	---	---	Peak
2	150.28	30.98	-12.52	43.50	45.59	16.70	1.32	32.63	---	---	Peak
3	265.71	29.32	-16.68	46.00	40.43	19.67	1.82	32.60	---	---	Peak
4	568.35	30.27	-15.73	46.00	34.09	26.17	2.70	32.69	---	---	Peak
5	737.50	45.53			46.89	28.00	3.13	32.49	---	---	Peak
6	864.20	34.99	-11.01	46.00	34.42	29.20	3.39	32.02	100	0	Peak
7	980.60	36.60	-17.40	54.00	33.07	30.98	3.58	31.03	---	---	Peak
8	2690.00	40.34	-33.66	74.00	67.35	27.58	7.25	61.84	---	---	Peak
9	4732.00	39.89	-34.11	74.00	62.47	31.16	8.56	62.30	---	---	Peak
10	6464.00	42.34	-31.66	74.00	61.31	33.98	10.04	62.99	---	---	Peak
11	8866.00	44.36	-29.64	74.00	59.45	37.64	11.81	64.54	---	---	Peak
12	10230.00	47.22	-26.78	74.00	60.22	38.99	12.63	64.62	---	---	Peak
13	11150.00	44.99	-29.01	74.00	55.98	39.50	13.34	63.83	---	---	Peak
14	14226.00	47.16	-26.84	74.00	54.40	41.13	14.88	63.25	---	---	Peak
15	17220.00	47.33	-26.67	74.00	53.39	40.02	16.76	62.84	100	0	Peak
16	24612.00	41.56	-32.44	74.00	54.59	40.37	0.00	53.40	---	---	Peak



Mode :	Mode 2	Temperature :	20~23°C
Test Engineer :	Daniel Lee	Relative Humidity :	50~53%
Test Distance :	3m	Polarization :	Vertical
Remark :	#5 is system simulator signal which can be ignored.		

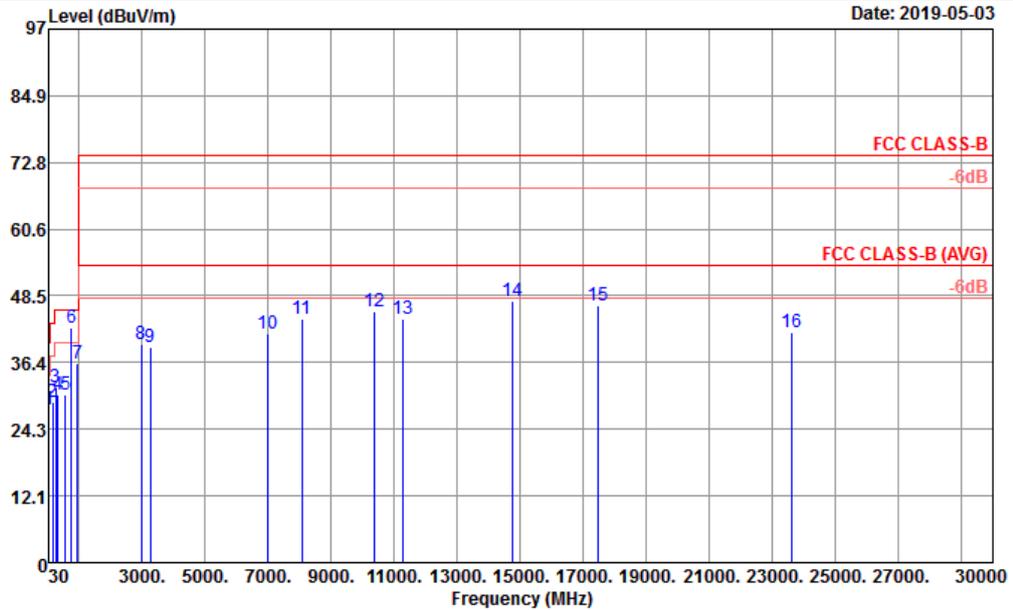


Site : 03CH10-HY
 Condition : FCC CLASS-B 3m HORN_9170_40G_0584 VERTICAL
 Project : 802421-03
 Power : 120Vac/60Hz

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	41.64	30.38	-9.62	40.00	43.82	18.71	0.61	32.76	100	0 Peak	
2	151.25	31.89	-11.61	43.50	46.45	16.75	1.32	32.63	---	---	Peak
3	253.10	28.76	-17.24	46.00	40.66	18.93	1.77	32.60	---	---	Peak
4	586.78	29.98	-16.02	46.00	34.10	25.86	2.73	32.71	---	---	Peak
5	737.50	41.83			43.19	28.00	3.13	32.49	---	---	Peak
6	845.77	34.21	-11.79	46.00	33.75	29.22	3.36	32.12	---	---	Peak
7	964.11	36.70	-17.30	54.00	33.05	31.30	3.54	31.19	---	---	Peak
8	1172.00	43.07	-30.93	74.00	75.42	25.10	4.12	61.57	---	---	Peak
9	3112.00	39.87	-34.13	74.00	65.30	28.70	7.84	61.97	---	---	Peak
10	6964.00	42.34	-31.66	74.00	60.24	35.26	10.40	63.56	---	---	Peak
11	8762.00	44.75	-29.25	74.00	59.81	37.62	11.73	64.41	---	---	Peak
12	9498.00	47.10	-26.90	74.00	61.33	38.31	12.16	64.70	100	0 Peak	
13	11054.00	45.73	-28.27	74.00	56.45	39.83	13.26	63.81	---	---	Peak
14	14208.00	45.84	-28.16	74.00	53.10	41.11	14.87	63.24	---	---	Peak
15	17250.00	46.98	-27.02	74.00	52.95	40.05	16.78	62.80	---	---	Peak
16	24756.00	41.44	-32.56	74.00	54.49	40.35	0.00	53.40	---	---	Peak



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

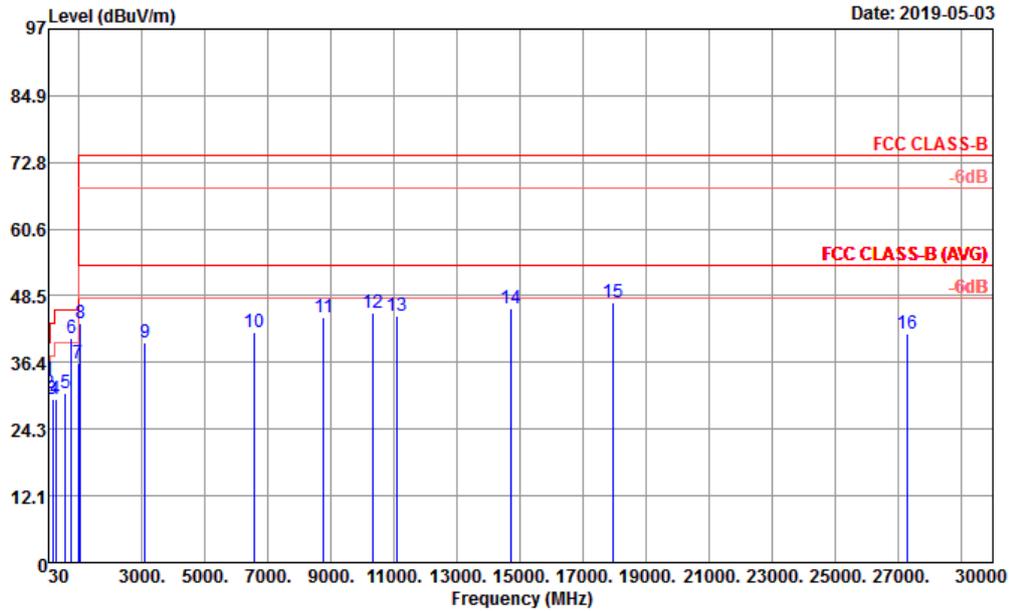


Site : 03CH10-HY
 Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL
 Project : 802421-03
 Power : DC 12V

	Freq	Level	Over Limit	Limit Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.97	27.91	-12.09	40.00	35.43	24.81	0.45	32.78	---	---	Peak
2	165.80	29.15	-14.35	43.50	44.40	16.00	1.37	32.62	---	---	Peak
3	259.89	31.76	-14.24	46.00	42.58	19.98	1.80	32.60	---	---	Peak
4	333.61	30.40	-15.60	46.00	41.20	19.84	1.97	32.61	---	---	Peak
5	561.56	30.57	-15.43	46.00	34.28	26.30	2.68	32.69	---	---	Peak
6	751.00	42.72			43.72	28.30	3.17	32.47	---	---	Peak
7	952.47	36.22	-9.78	46.00	32.91	31.10	3.52	31.31	100	0	Peak
8	2964.00	39.71	-34.29	74.00	65.59	28.33	7.68	61.89	---	---	Peak
9	3252.00	39.22	-34.78	74.00	64.92	28.39	7.96	62.05	---	---	Peak
10	6974.00	41.74	-32.26	74.00	59.62	35.30	10.39	63.57	---	---	Peak
11	8070.00	44.36	-29.64	74.00	59.74	37.04	11.25	63.67	---	---	Peak
12	10346.00	45.68	-28.32	74.00	58.10	39.38	12.72	64.52	---	---	Peak
13	11258.00	44.23	-29.77	74.00	55.26	39.40	13.42	63.85	---	---	Peak
14	14730.00	47.64	-26.36	74.00	54.40	41.31	15.14	63.21	100	0	Peak
15	17490.00	46.74	-27.26	74.00	51.12	41.17	16.96	62.51	---	---	Peak
16	23628.00	41.87	-32.13	74.00	55.84	39.28	0.00	53.25	---	---	Peak



Mode :	Mode 3	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.		

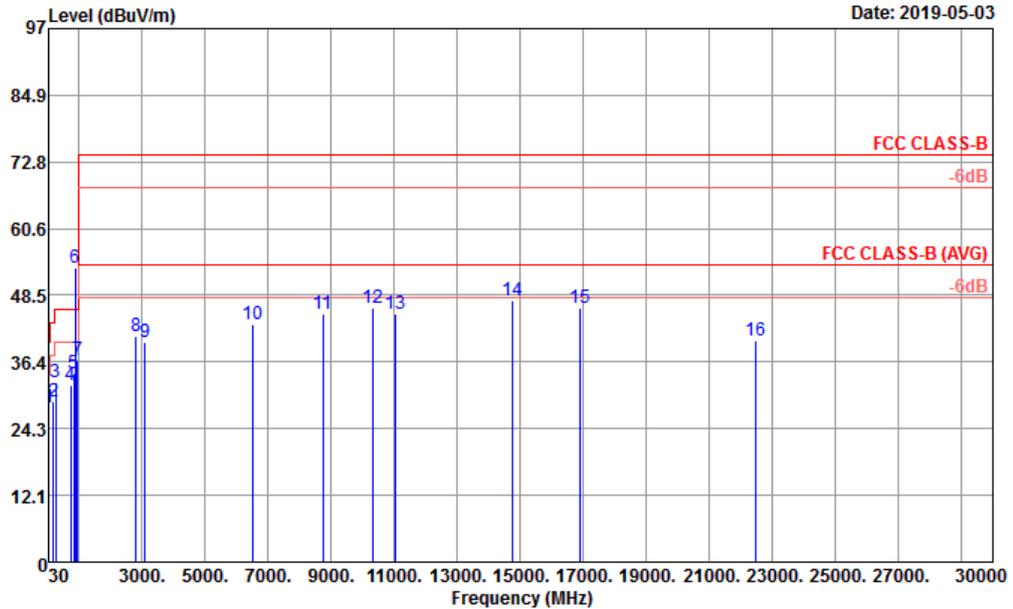


Site : 03CH10-HY
 Condition : FCC CLASS-B 3m HORN_9170_40G_0584 VERTICAL
 Project : 802421-03
 Power : DC 12V

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	34.85	33.17	-6.83	40.00	42.93	22.58	0.43	32.77	100	0 Peak	
2	47.46	30.79	-9.21	40.00	47.31	15.57	0.66	32.75	---	---	Peak
3	172.59	29.62	-13.88	43.50	45.37	15.44	1.42	32.61	---	---	Peak
4	258.92	29.78	-16.22	46.00	40.76	19.83	1.79	32.60	---	---	Peak
5	573.20	30.82	-15.18	46.00	34.77	26.04	2.71	32.70	---	---	Peak
6	751.00	40.72			41.72	28.30	3.17	32.47	---	---	Peak
7	970.90	36.08	-17.92	54.00	32.47	31.18	3.56	31.13	---	---	Peak
8	1034.00	43.46	-30.54	74.00	76.95	24.30	3.72	61.51	---	---	Peak
9	3102.00	39.93	-34.07	74.00	65.35	28.70	7.84	61.96	---	---	Peak
10	6534.00	41.76	-32.24	74.00	60.38	34.27	10.15	63.04	---	---	Peak
11	8758.00	44.62	-29.38	74.00	59.69	37.62	11.72	64.41	---	---	Peak
12	10342.00	45.35	-28.65	74.00	57.79	39.37	12.72	64.53	---	---	Peak
13	11086.00	44.94	-29.06	74.00	55.80	39.67	13.29	63.82	---	---	Peak
14	14718.00	46.21	-27.79	74.00	52.93	41.35	15.14	63.21	---	---	Peak
15	17958.00	47.23	-26.77	74.00	45.53	46.69	17.33	62.32	100	0 Peak	
16	27264.00	41.74	-32.26	74.00	55.45	39.60	0.00	53.31	---	---	Peak



Mode :	Mode 4	Temperature :	20~23°C
Test Engineer :	Daniel Lee	Relative Humidity :	50~53%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		

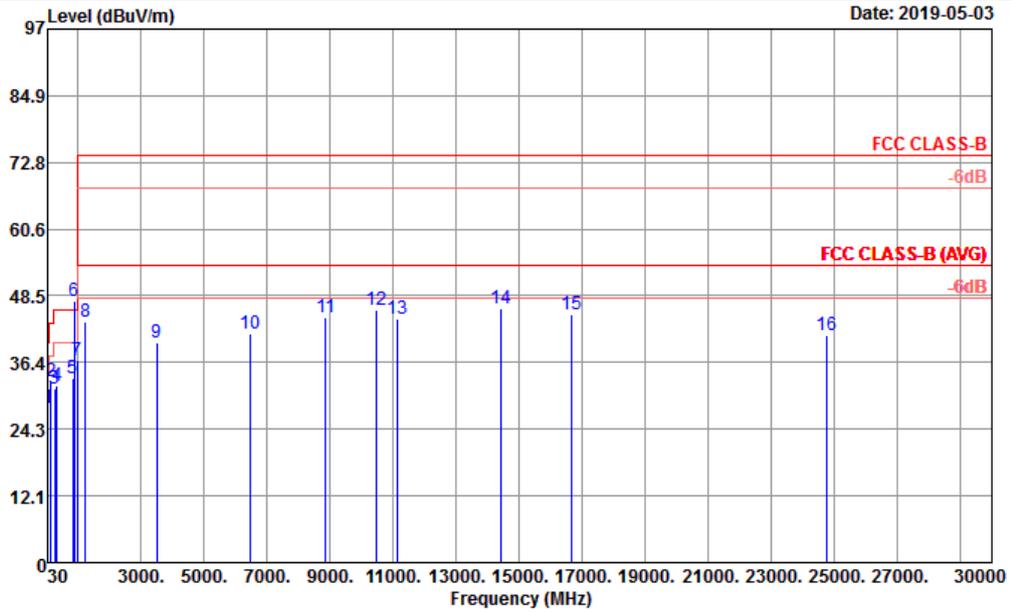


Site : 03CH10-HY
 Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL
 Project : 802421-03
 Power : DC 24V

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.00	28.10	-11.90	40.00	35.13	25.30	0.45	32.78	---	---	Peak
2	191.99	29.06	-14.44	43.50	45.38	14.80	1.48	32.60	---	---	Peak
3	259.89	32.64	-13.36	46.00	43.46	19.98	1.80	32.60	---	---	Peak
4	731.31	32.09	-13.91	46.00	33.73	27.75	3.12	32.51	---	---	Peak
5	836.07	34.18	-11.82	46.00	34.26	28.76	3.33	32.17	---	---	Peak
6 *	876.50	53.57			52.95	29.17	3.40	31.95	---	---	Peak
7	958.29	36.85	-9.15	46.00	33.30	31.27	3.53	31.25	100	0	Peak
8	2814.00	41.17	-32.83	74.00	67.71	27.96	7.36	61.86	---	---	Peak
9	3084.00	40.05	-33.95	74.00	65.54	28.64	7.82	61.95	---	---	Peak
10	6500.00	43.10	-30.90	74.00	61.80	34.20	10.10	63.00	---	---	Peak
11	8738.00	45.01	-28.99	74.00	60.17	37.55	11.68	64.39	---	---	Peak
12	10304.00	46.31	-27.69	74.00	58.96	39.22	12.69	64.56	---	---	Peak
13	11040.00	45.16	-28.84	74.00	55.82	39.90	13.25	63.81	---	---	Peak
14	14730.00	47.64	-26.36	74.00	54.40	41.31	15.14	63.21	100	0	Peak
15	16908.00	46.30	-27.70	74.00	53.48	39.52	16.51	63.21	---	---	Peak
16	22488.00	40.22	-33.78	74.00	54.92	38.40	0.00	53.10	---	---	Peak



Mode :	Mode 4	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.		

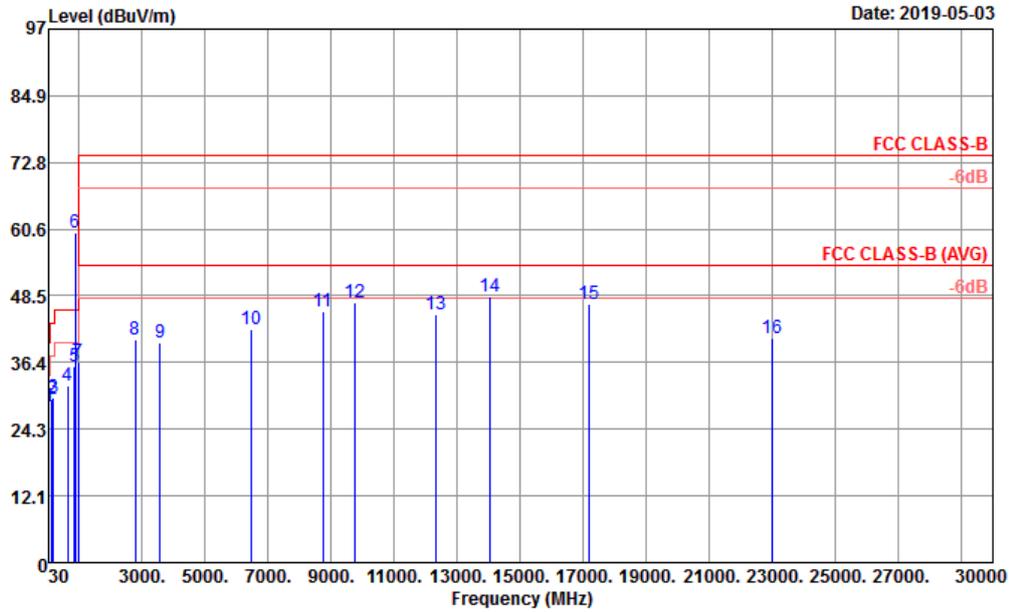


Site : 03CH10-HY
 Condition : FCC CLASS-B 3m HORN_9170_40G_0584 VERTICAL
 Project : 802421-03
 Power : DC 24V

	Freq	Level	Over Limit	Limit Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.97	27.98	-12.02	40.00	35.50	24.81	0.45	32.78	---	---	Peak
2	145.43	32.94	-10.56	43.50	47.06	17.20	1.31	32.63	100	0	Peak
3	259.89	31.52	-14.48	46.00	42.34	19.98	1.80	32.60	---	---	Peak
4	333.61	32.11	-13.89	46.00	42.91	19.84	1.97	32.61	---	---	Peak
5	838.01	33.54	-12.46	46.00	33.48	28.88	3.34	32.16	---	---	Peak
6 *	876.50	47.65			47.03	29.17	3.40	31.95	---	---	Peak
7	979.63	36.69	-17.31	54.00	33.14	31.01	3.58	31.04	---	---	Peak
8	1244.00	43.65	-30.35	74.00	75.69	25.28	4.28	61.60	---	---	Peak
9	3494.00	40.09	-33.91	74.00	65.73	28.46	8.10	62.20	---	---	Peak
10	6458.00	41.54	-32.46	74.00	60.55	33.95	10.03	62.99	---	---	Peak
11	8862.00	44.67	-29.33	74.00	59.74	37.65	11.81	64.53	---	---	Peak
12	10448.00	45.84	-28.16	74.00	57.93	39.55	12.80	64.44	---	---	Peak
13	11134.00	44.28	-29.72	74.00	55.26	39.53	13.32	63.83	---	---	Peak
14	14436.00	46.28	-27.72	74.00	53.34	41.24	14.99	63.29	100	0	Peak
15	16650.00	45.22	-28.78	74.00	53.48	38.95	16.31	63.52	---	---	Peak
16	24756.00	41.44	-32.56	74.00	54.49	40.35	0.00	53.40	---	---	Peak



Mode :	Mode 5	Temperature :	20~23°C
Test Engineer :	Daniel Lee	Relative Humidity :	50~53%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		

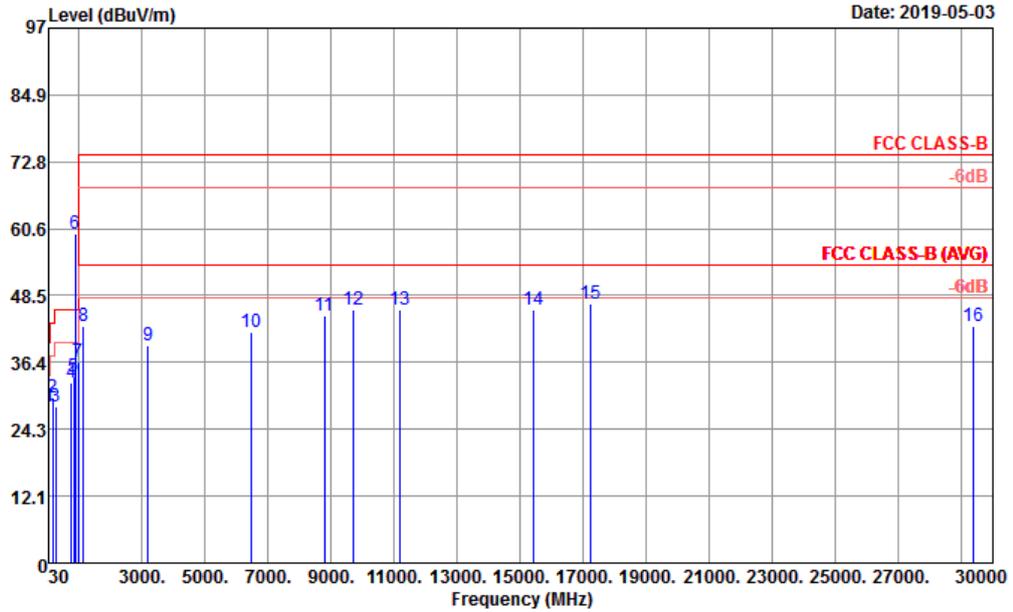


Site : 03CH10-HY
 Condition : FCC CLASS-B 3m HORN_9170_40G_0584 HORIZONTAL
 Project : 8O2421-03
 Power : 120Vac/60Hz

	Freq	Level	Over Limit	Limit Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.00	28.31	-11.69	40.00	35.34	25.30	0.45	32.78	---	---	Peak
2	142.52	29.65	-13.85	43.50	43.59	17.40	1.30	32.64	---	---	Peak
3	176.47	29.95	-13.55	43.50	45.96	15.15	1.45	32.61	---	---	Peak
4	635.28	32.05	-13.95	46.00	35.20	26.60	2.92	32.67	---	---	Peak
5	846.74	35.74	-10.26	46.00	35.26	29.23	3.36	32.11	100	0	Peak
6 *	869.20	59.87			59.27	29.20	3.39	31.99	---	---	Peak
7	962.17	36.52	-17.48	54.00	32.89	31.30	3.54	31.21	---	---	Peak
8	2786.00	40.43	-33.57	74.00	67.10	27.87	7.32	61.86	---	---	Peak
9	3572.00	40.10	-33.90	74.00	65.36	28.84	8.11	62.21	---	---	Peak
10	6458.00	42.49	-31.51	74.00	61.50	33.95	10.03	62.99	---	---	Peak
11	8726.00	45.59	-28.41	74.00	60.80	37.50	11.66	64.37	---	---	Peak
12	9746.00	47.21	-26.79	74.00	60.93	38.88	12.15	64.75	100	0	Peak
13	12334.00	45.00	-29.00	74.00	56.47	38.57	14.06	64.10	---	---	Peak
14	14034.00	48.26	-25.74	74.00	55.85	40.84	14.78	63.21	---	---	Peak
15	17160.00	46.99	-27.01	74.00	53.27	39.92	16.71	62.91	---	---	Peak
16	23016.00	40.69	-33.31	74.00	54.98	39.10	0.00	53.39	---	---	Peak



Mode :	Mode 5	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.		

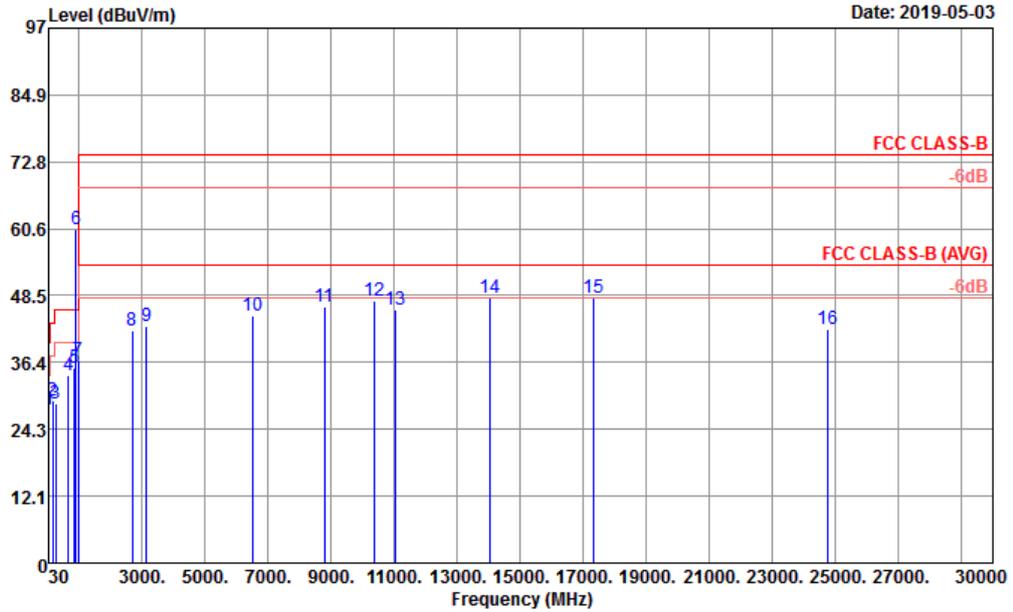


Site : 03CH10-HY
 Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL
 Project : 802421-03
 Power : 120Vac/60Hz

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.97	28.38	-11.62	40.00	35.90	24.81	0.45	32.78	100	0 Peak	
2	156.10	29.98	-13.52	43.50	43.79	17.50	1.32	32.63	---	---	Peak
3	267.65	28.38	-17.62	46.00	39.84	19.32	1.82	32.60	---	---	Peak
4	753.62	32.65	-13.35	46.00	33.63	28.30	3.18	32.46	---	---	Peak
5	820.55	33.68	-12.32	46.00	34.54	28.11	3.29	32.26	---	---	Peak
6 *	869.20	59.68			59.08	29.20	3.39	31.99	---	---	Peak
7	972.84	36.49	-17.51	54.00	32.90	31.14	3.56	31.11	---	---	Peak
8	1136.00	42.83	-31.17	74.00	75.49	24.88	4.01	61.55	---	---	Peak
9	3190.00	39.52	-34.48	74.00	65.01	28.62	7.90	62.01	---	---	Peak
10	6452.00	41.81	-32.19	74.00	60.87	33.91	10.02	62.99	---	---	Peak
11	8788.00	44.95	-29.05	74.00	59.95	37.68	11.77	64.45	---	---	Peak
12	9714.00	46.00	-28.00	74.00	59.92	38.68	12.14	64.74	---	---	Peak
13	11158.00	45.91	-28.09	74.00	56.92	39.48	13.34	63.83	---	---	Peak
14	15402.00	45.97	-28.03	74.00	54.70	38.79	15.50	63.02	---	---	Peak
15	17250.00	46.98	-27.02	74.00	52.95	40.05	16.78	62.80	100	0 Peak	
16	29376.00	42.84	-31.16	74.00	57.74	40.05	0.00	54.95	---	---	Peak



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

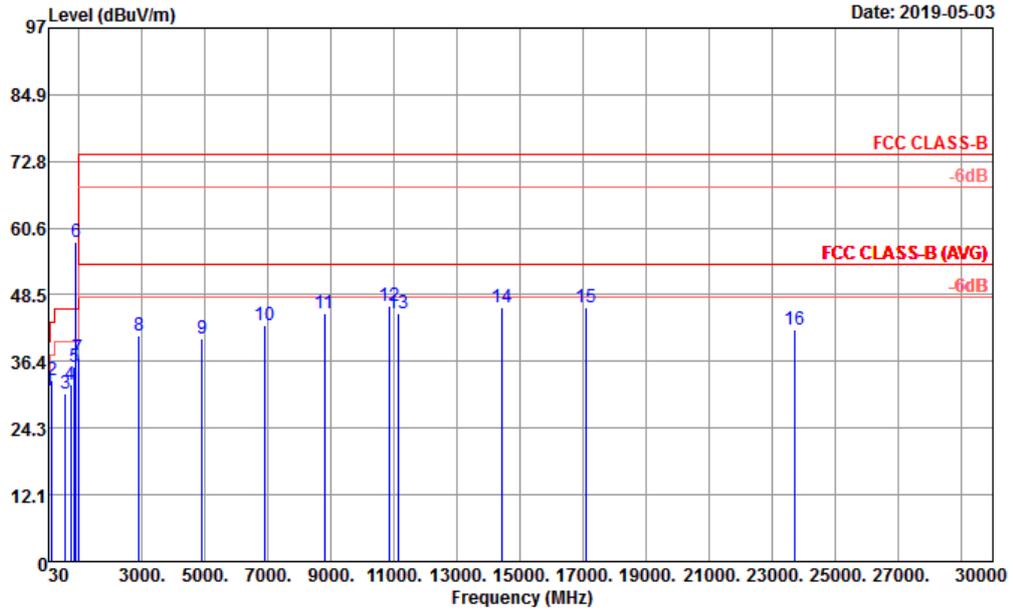


Site : 03CH10-HY
 Condition : FCC CLASS-B 3m HORN_9170_40G_0584 HORIZONTAL
 Project : 802421-03
 Power : 120Vac/60Hz

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.00	27.94	-12.06	40.00	34.97	25.30	0.45	32.78	---	---	Peak
2	151.25	29.39	-14.11	43.50	43.95	16.75	1.32	32.63	---	---	Peak
3	257.95	28.82	-17.18	46.00	39.96	19.67	1.79	32.60	---	---	Peak
4	660.50	33.95	-12.05	46.00	37.09	26.50	2.99	32.63	---	---	Peak
5	851.59	35.30	-10.70	46.00	34.72	29.30	3.37	32.09	100	0	Peak
6 *	893.80	60.53			60.06	28.90	3.42	31.85	---	---	Peak
7	961.20	36.78	-17.22	54.00	33.17	31.30	3.53	31.22	---	---	Peak
8	2688.00	42.08	-31.92	74.00	69.09	27.58	7.25	61.84	---	---	Peak
9	3138.00	42.96	-31.04	74.00	68.38	28.70	7.86	61.98	---	---	Peak
10	6494.00	44.94	-29.06	74.00	63.69	34.16	10.09	63.00	---	---	Peak
11	8786.00	46.35	-27.65	74.00	61.35	37.67	11.77	64.44	---	---	Peak
12	10360.00	47.55	-26.45	74.00	59.89	39.44	12.73	64.51	---	---	Peak
13	11056.00	45.87	-28.13	74.00	56.60	39.82	13.26	63.81	---	---	Peak
14	14034.00	48.06	-25.94	74.00	55.65	40.84	14.78	63.21	100	0	Peak
15	17322.00	47.97	-26.03	74.00	53.57	40.28	16.83	62.71	---	---	Peak
16	24744.00	42.50	-31.50	74.00	55.55	40.35	0.00	53.40	---	---	Peak



Mode :	Mode 6	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.		

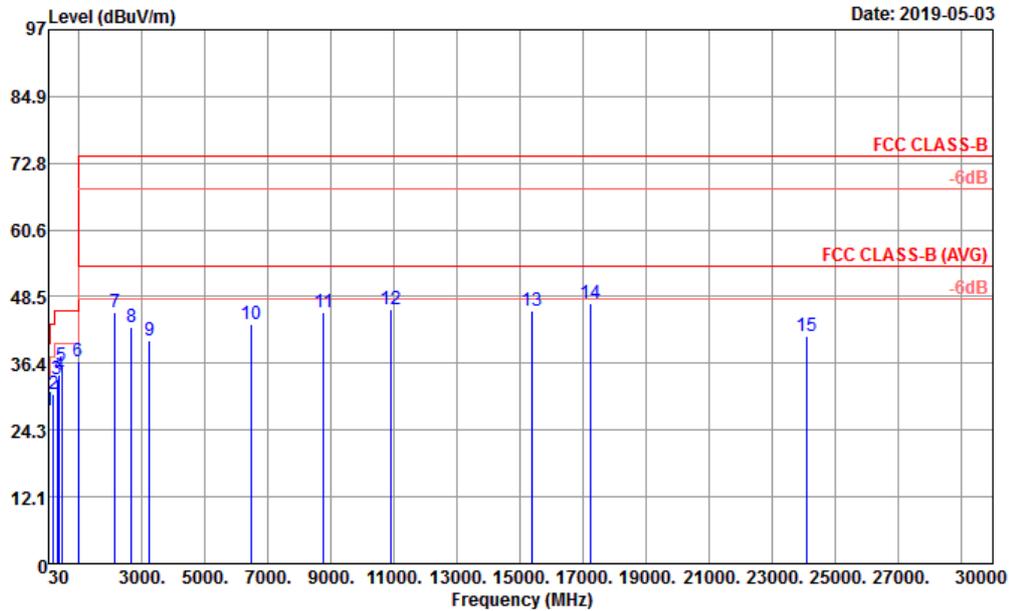


Site : 03CH10-HY
 Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL
 Project : 802421-03
 Power : 120Vac/60Hz

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	41.64	31.03	-8.97	40.00	44.47	18.71	0.61	32.76	100	0 Peak	
2	147.37	32.96	-10.54	43.50	47.08	17.20	1.31	32.63	---	---	Peak
3	566.41	30.49	-15.51	46.00	34.25	26.24	2.69	32.69	---	---	Peak
4	731.31	32.23	-13.77	46.00	33.87	27.75	3.12	32.51	---	---	Peak
5	854.50	35.37	-10.63	46.00	34.76	29.30	3.38	32.07	---	---	Peak
6 *	893.80	57.99			57.52	28.90	3.42	31.85	---	---	Peak
7	972.84	37.04	-16.96	54.00	33.45	31.14	3.56	31.11	---	---	Peak
8	2904.00	41.02	-32.98	74.00	67.14	28.21	7.55	61.88	---	---	Peak
9	4900.00	40.55	-33.45	74.00	63.07	31.00	8.78	62.30	---	---	Peak
10	6874.00	43.09	-30.91	74.00	61.30	34.79	10.45	63.45	---	---	Peak
11	8786.00	45.20	-28.80	74.00	60.20	37.67	11.77	64.44	---	---	Peak
12	10842.00	46.50	-27.50	74.00	57.45	39.94	13.10	63.99	100	0 Peak	
13	11138.00	45.20	-28.80	74.00	56.18	39.52	13.33	63.83	---	---	Peak
14	14436.00	46.28	-27.72	74.00	53.34	41.24	14.99	63.29	---	---	Peak
15	17100.00	46.17	-27.83	74.00	52.69	39.80	16.66	62.98	---	---	Peak
16	23688.00	42.18	-31.82	74.00	56.14	39.32	0.00	53.28	---	---	Peak



Mode :	Mode 7	Temperature :	20~23°C
Test Engineer :	Daniel Lee	Relative Humidity :	50~53%
Test Distance :	3m	Polarization :	Horizontal

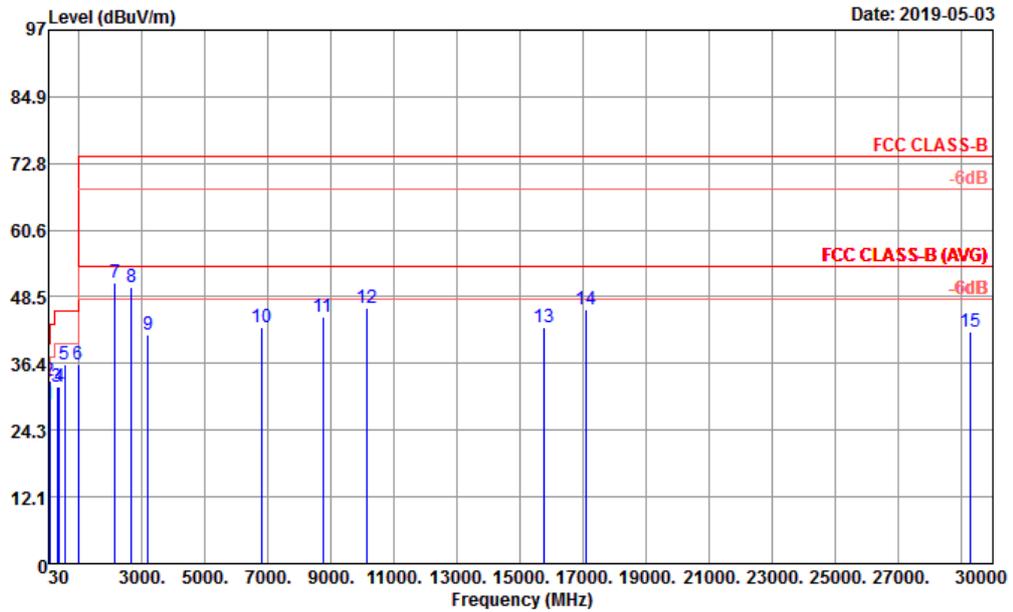


Site : 03CH10-HY
 Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL
 Project : 802421-03
 Power : From System

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.97	27.78	-12.22	40.00	35.30	24.81	0.45	32.78	---	---	Peak
2	177.44	30.87	-12.63	43.50	46.93	15.10	1.45	32.61	---	---	Peak
3	315.18	33.45	-12.55	46.00	44.70	19.40	1.96	32.61	---	---	Peak
4	370.47	34.42	-11.58	46.00	44.13	20.81	2.10	32.62	---	---	Peak
5	453.89	36.06	-9.94	46.00	43.19	23.08	2.42	32.63	100	0	Peak
6	966.05	36.88	-17.12	54.00	33.22	31.28	3.55	31.17	---	---	Peak
7	2134.00	45.57	-28.43	74.00	73.76	27.21	6.33	61.73	---	---	Peak
8	2656.00	42.99	-31.01	74.00	70.09	27.51	7.22	61.83	---	---	Peak
9	3244.00	40.61	-33.39	74.00	66.29	28.42	7.95	62.05	---	---	Peak
10	6460.00	43.52	-30.48	74.00	62.52	33.96	10.03	62.99	---	---	Peak
11	8772.00	45.62	-28.38	74.00	60.67	37.64	11.74	64.43	---	---	Peak
12	10870.00	46.33	-27.67	74.00	57.20	39.97	13.12	63.96	---	---	Peak
13	15396.00	45.92	-28.08	74.00	54.64	38.81	15.49	63.02	---	---	Peak
14	17220.00	47.33	-26.67	74.00	53.39	40.02	16.76	62.84	100	0	Peak
15	24084.00	41.22	-32.78	74.00	54.96	39.66	0.00	53.40	---	---	Peak



Mode :	Mode 7	Temperature :	20~23°C
Test Engineer :	Daniel Lee	Relative Humidity :	50~53%
Test Distance :	3m	Polarization :	Vertical



Site : 03CH10-HY
 Condition : FCC CLASS-B 3m HORN_9170_40G_0584 VERTICAL
 Project : 802421-03

: NB to SD

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.97	28.93	-11.07	40.00	36.45	24.81	0.45	32.78	---	---	Peak
2	62.98	33.25	-6.75	40.00	53.30	11.90	0.78	32.73	100	0	Peak
3	293.84	32.09	-13.91	46.00	43.60	19.18	1.92	32.61	---	---	Peak
4	385.02	32.26	-13.74	46.00	41.49	21.20	2.19	32.62	---	---	Peak
5	532.46	36.13	-9.87	46.00	42.19	24.00	2.61	32.67	---	---	Peak
6	968.96	36.31	-17.69	54.00	32.68	31.22	3.55	31.14	---	---	Peak
7	2132.00	50.97	-23.03	74.00	79.20	27.18	6.32	61.73	100	0	Peak
8	2660.00	50.29	-23.71	74.00	77.38	27.52	7.22	61.83	---	---	Peak
9	3188.00	41.58	-32.42	74.00	67.07	28.62	7.90	62.01	---	---	Peak
10	6780.00	42.97	-31.03	74.00	61.32	34.52	10.47	63.34	---	---	Peak
11	8726.00	44.93	-29.07	74.00	60.14	37.50	11.66	64.37	---	---	Peak
12	10130.00	46.50	-27.50	74.00	59.95	38.69	12.56	64.70	---	---	Peak
13	15756.00	43.03	-30.97	74.00	53.11	37.44	15.68	63.20	---	---	Peak
14	17100.00	46.17	-27.83	74.00	52.69	39.80	16.66	62.98	---	---	Peak
15	29292.00	42.17	-31.83	74.00	57.00	40.09	0.00	54.92	---	---	Peak

—————THE END—————