



FCC EMI TEST REPORT

FCC ID : PY7-72473T
Equipment : GSM/WCDMA/LTE Phone+Bluetooth,
DTS/UNII a/b/g/n/ac and NFC
Brand Name : Sony
Applicant : Sony Mobile Communications Inc.
4-12-3 Higashi-Shinagawa, Shinagawa-ku,
Tokyo, 140-0002, Japan
Manufacturer : Sony Mobile Communications Inc.
4-12-3 Higashi-Shinagawa, Shinagawa-ku,
Tokyo, 140-0002, Japan
Standard : FCC 47 CFR FCC Part 15 Subpart B

The product was received on Aug. 29, 2018 and testing was started from Sep. 25, 2018 and completed on Dec. 13, 2018. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI C63.4-2014 and has been in compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON 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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History of this test report

Report No.	Version	Description	Issued Date
FC882921-01	01	Initial issue of report	Dec. 14, 2018
FC882921-01	02	Revising the remark description.	Dec. 20, 2018



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.107	AC Conducted Emission	Pass	Under limit 9.33 dB at 0.152 MHz
3.2	15.109	Radiated Emission	Pass	Under limit 5.52 dB at 316.100 MHz

Reviewed by: Louis Wu

Report Producer: Natasha Hsieh

1. General Description

1.1. Product Feature of Equipment Under Test

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

Product Specification subjective to this standard	
Antenna Type	WWAN Antenna Main 1: PIFA Antenna Main 2: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna GPS / Glonass / BDS / Galileo / SBAS: PIFA Antenna NFC: Single loop Antenna FM: Using earphone as antenna

EUT Information List			
HW Version	SW Version	S/N	Performed Test Item
A	1.129	CQ30015P70	Conducted Emission Radiated Emission

Accessory List	
AC Adapter	Model Name: UCH32
	S/N:
	6218W30200016 (for radiated emission) 6218W30200140 (for conducted emission)
Earphone	Model No. : MH410c
	S/N : N/A
USB Cable	Model No. : UCB24
	S/N : N/A
Car Charger	Model Name: AN430
	S/N: 1715A9160009C76

Note:

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

1.2. Modification of EUT

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

1.3. Test Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1093 and TW1098 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

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

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

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.

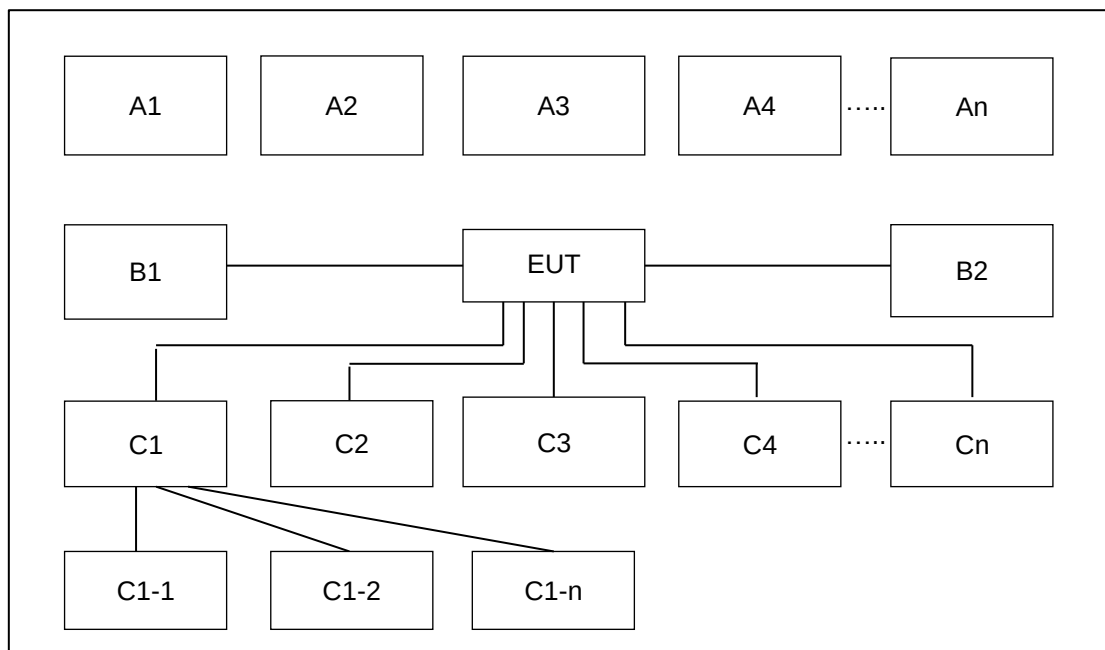
Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (30MHz to the 5th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

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 + MP3 + USB Cable (Charging from Adapter) + Battery + Earphone + SIM 1
	Mode 2: GSM850 (Middle Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + MP3 + USB Cable (Charging from Adapter) + Battery + Earphone + SIM 1
	Mode 3: GSM850 (High Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + MP3 + USB Cable (Charging from Adapter) + Battery + Earphone + SIM 1
	Mode 4: GSM850 (Middle Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + Camera (Rear) + USB Cable (Charging from Adapter) + Battery + Earphone + SIM 1
	Mode 5: FM Rx (88 MHz) + Bluetooth Idle + WLAN (2.4GHz) Idle + Camera (Front) + USB Cable (Charging from Adapter) + Battery + Earphone + SIM 1
	Mode 6: FM Rx (98 MHz) + Bluetooth Idle + WLAN (5GHz) Idle + Camera (Rear) + USB Cable (Charging from Adapter) + Battery + Earphone + SIM 2
	Mode 7: FM Rx (108 MHz) + Bluetooth Idle + WLAN (2.4GHz) Idle + NFC On + USB Cable (Charging from Adapter) + Battery + Earphone + SIM 1
	Mode 8: Flight Mode + USB Cable (Data Link with Notebook) + Battery + Earphone + SIM 1
	Mode 9: Flight Mode + USB Cable (Data Link with Notebook) + Battery + Earphone + SIM 2

Test Items	Function Type
Radiated Emissions	Mode 1: GSM850 (Low Challen) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + MP3 + USB Cable (Charging from Adapter) + Battery + Earphone + SIM 1
	Mode 2: GSM850 (Middle Challen) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + MP3 + USB Cable (Charging from Adapter) + Battery + Earphone + SIM 1
	Mode 3: GSM850 (High Challen) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + MP3 + USB Cable (Charging from Adapter) + Battery + Earphone + SIM 1
	Mode 4: GSM850 (Middle Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + Camera (Rear) + USB Cable (Charging from Car Charger (12Vdc)) + Battery + Earphone + SIM 1
	Mode 5: FM Rx (88 MHz) + Bluetooth Idle + WLAN (2.4GHz) Idle + Camera (Front) + USB Cable (Charging from Adapter) + Battery + Earphone + SIM 1
	Mode 6: FM Rx (98 MHz) + Bluetooth Idle + WLAN (5GHz) Idle + Camera (Rear) + USB Cable (Charging from Adapter) + Battery + Earphone + SIM 2
	Mode 7: FM Rx (108 MHz) + Bluetooth Idle + WLAN (2.4GHz) Idle + NFC On + USB Cable (Charging from Adapter) + Battery + Earphone + SIM 1
	Mode 8: Flight Mode + USB Cable (Data Link with Notebook) + Battery + Earphone + SIM 1
	Mode 9: Flight Mode + USB Cable (Data Link with Notebook) + Battery + Earphone + SIM 2
Remark: 1. Data Linking with Notebook means data application transferred mode between EUT and Notebook. 2. After pre-scanned the cellular band between 30MHz ~ 960MHz (GSM850/WCDMA Band V/LTE Band 5), the worst case is GSM850; only the 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	System Simulator	GSM/UMTS/CDMA/WCDMA/LTE/FM	X	X	X	X	X	X	X
A2	BT Earphone	Bluetooth	X	X	X	X	X	X	X
A3	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	X
No.	Setup Peripherals	Connection Type	1	2	3	4	5	6	7
C1	Notebook	USB Cable							
C1-1	Music Player	USB Cable to C1							
C1-2	AP router	RJ-45 Cable to C1							
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

Conduction Test Setup									
No.	Wireless Station	Connection Type	Test Mode						
			8	9					
A1	System Simulator	GSM/UMTS/CDMA/ WCDMA/LTE/FM							
A2	BT Earphone	Bluetooth							
A3	AP router	WiFi							
No.	Power Source	Connection Type	8	9					
B1	AC : 120V/60Hz	AC Power Cable							
No.	Setup Peripherals	Connection Type	8	9					
C1	Notebook	USB Cable	X	X					
C1-1	Music Player	USB Cable to C1	X	X					
C1-2	AP router	RJ-45 Cable to C1	X	X					
C2	Earphone	Earphone jack	X	X					
C3	SD card	SD I/O interface without Cable	X	X					

Radiation Test Setup									
No.	Wireless Station	Connection Type	Test Mode						
			1	2	3	4	5	6	7
A1	System Simulator	GSM/UMTS/CDMA/ WCDMA/LTE/FM	X	X	X	X	X	X	X
A2	BT Earphone	Bluetooth	X	X	X	X	X	X	X
A3	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	DC : 12V	DC Power Cable				X			
No.	Setup Peripherals	Connection Type	1	2	3	4	5	6	7
C1	Notebook	USB Cable							
C1-1	Music Player	USB Cable to C1							
C1-2	AP router	RJ-45 Cable to C1							
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

Radiation Test Setup									
No.	Wireless Station	Connection Type	Test Mode						
			8	9					
A1	System Simulator	GSM/UMTS/CDMA/WCDMA/LTE/FM							
A2	BT Earphone	Bluetooth							
A3	AP router	WiFi							
No.	Power Source	Connection Type	8	9					
B1	AC : 120V/60Hz	AC Power Cable							
B2	DC : 12V	DC Power Cable							
No.	Setup Peripherals	Connection Type	8	9					
C1	Notebook	USB Cable	X	X					
C1-1	Music Player	USB Cable to C1	X	X					
C1-2	AP router	RJ-45 Cable to C1	X	X					
C2	Earphone	Earphone jack	X	X					
C3	SD card	SD I/O interface without Cable	X	X					

2.3. Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Sony	SBH-20	PY7-RD0010	N/A	N/A
3.	Music Player	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
4.	Notebook	DELL	Latitude E5480	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A
6.	Car Battery	GS	65B24LS	N/A	N/A	N/A
7.	GPS Station	Pendulum	GSG-54	N/A	N/A	Unshielded, 1.8 m

2.4. EUT Operation Test Setup

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

3. Test Result

3.1. Test of AC Conducted Emission Measurement

3.1.1 Limits of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

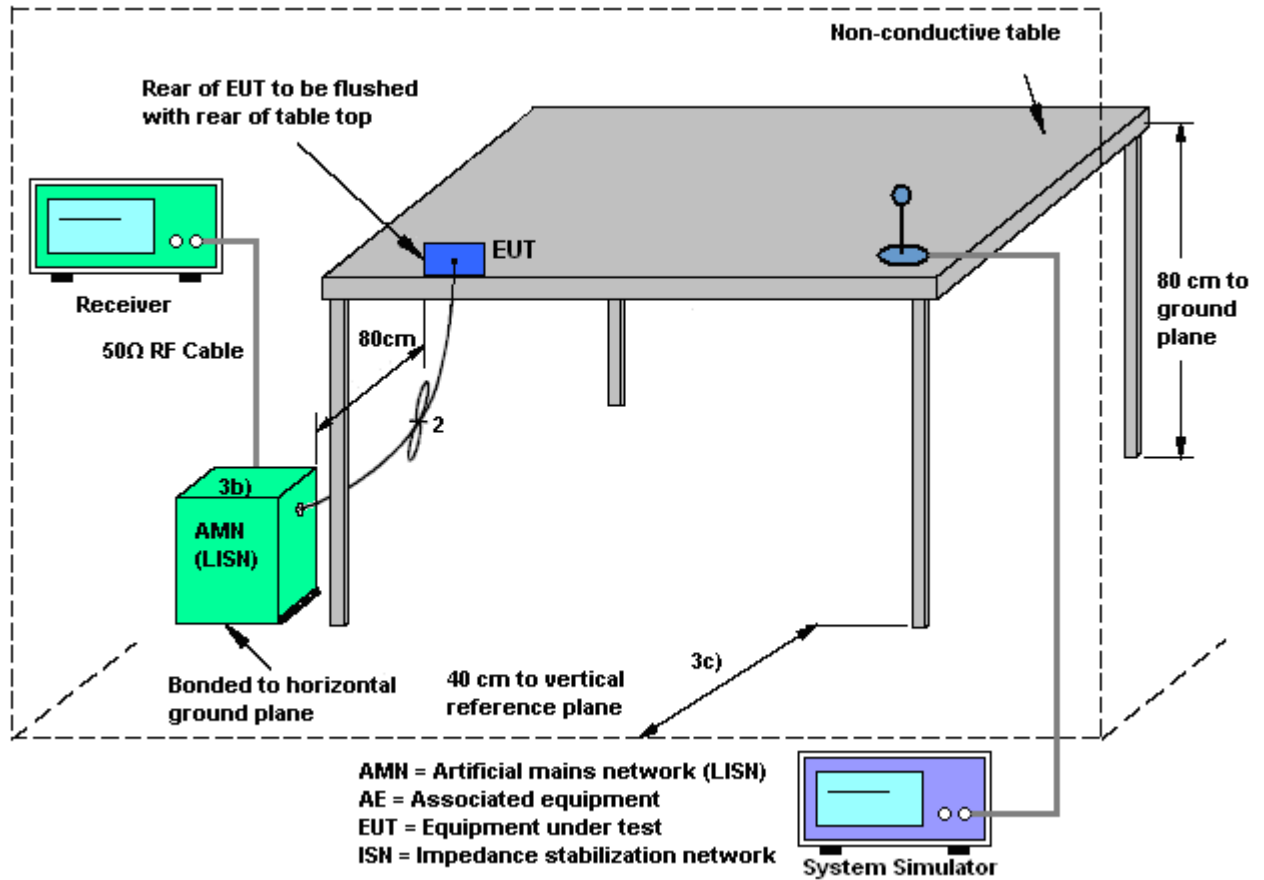
3.1.2 Measuring Instruments

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

3.1.3 Test Procedure

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

3.1.4 Test Setup



3.1.5 Test Result of AC Conducted Emission

Please refer to Appendix A.

3.2. Test of Radiated Emission Measurement

3.2.1. Limit of Radiated Emission

The emissions from an unintentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

3.2.2. Measuring Instruments

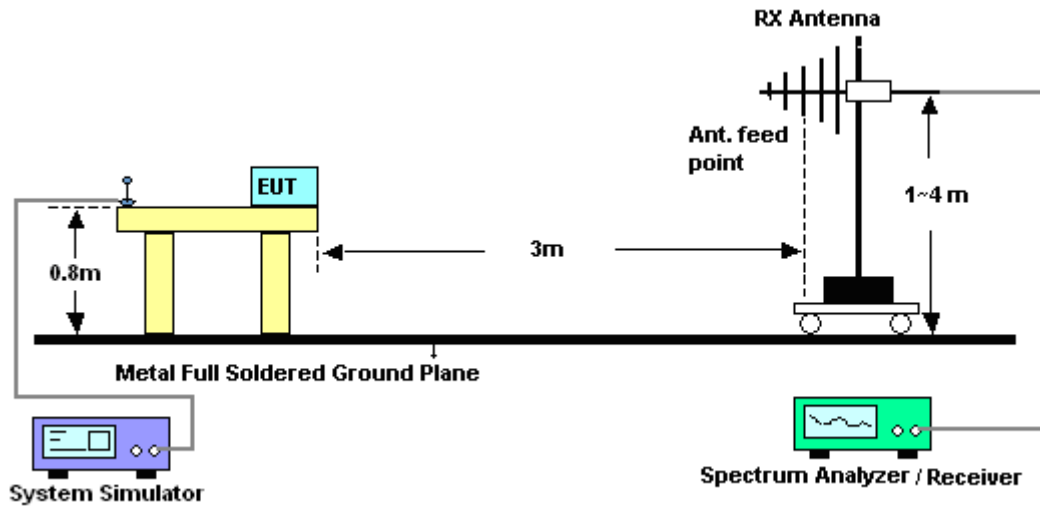
Refer a test equipment and calibration data table in this test report.

3.2.3. Test Procedures

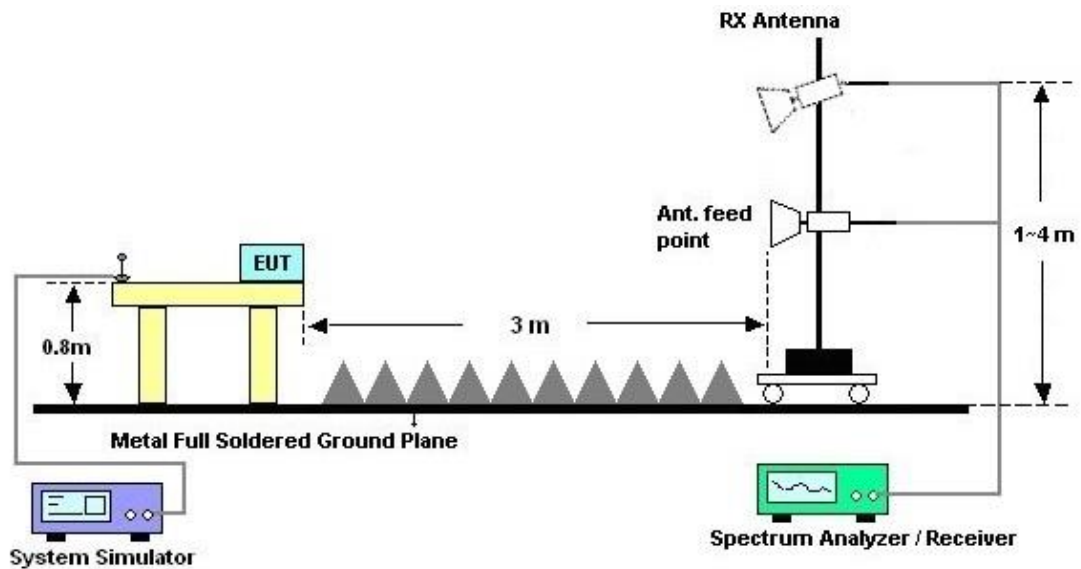
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna is a Bi-Log antenna and its height is adjusted between one to four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode (RBW=120kHz/VBW=300kHz for frequency below 1GHz; RBW=1MHz VBW=3MHz (Peak), RBW=1MHz/VBW=10Hz (Average) for frequency above 1GHz).
7. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, peak values of EUT will be reported. Otherwise, the emission will be repeated by using the quasi-peak method and reported.
8. Emission level (dBμV/m) = 20 log Emission level (μV/m)
9. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.2.5. Test Result of Radiated Emission

Please refer to Appendix B.



4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Sep. 27, 2018~ Dec. 13, 2018	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Dec. 08, 2017	Sep. 27, 2018	Dec. 07, 2018	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Nov. 12, 2018	Dec. 13, 2018	Nov. 11, 2019	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Mar. 06, 2018	Sep. 27, 2018~ Dec. 13, 2018	Mar. 05, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 30, 2017	Sep. 27, 2018	Nov. 29, 2018	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Dec. 13, 2018	Nov. 13, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Sep. 27, 2018~ Dec. 13, 2018	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 03, 2018	Sep. 27, 2018~ Dec. 13, 2018	Jan. 02, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 03, 2018	Sep. 27, 2018~ Dec. 13, 2018	Jan. 02, 2019	Conduction (CO05-HY)
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Oct. 19, 2017	Sep. 25, 2018~ Sep. 26, 2018	Oct. 18, 2018	Radiation (03CH10-HY)
Amplifier	SONOMA	310N	187231	9kHz~1GHz	Jan. 08, 2018	Nov. 13, 2018~ Dec. 11, 2018	Jan. 07, 2019	Radiation (03CH10-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	35413&02	30MHz~1GHz	Dec. 18, 2017	Sep. 25, 2018~ Dec. 11, 2018	Dec. 17, 2018	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-152 2	1GHz ~ 18GHz	Sep. 07, 2018	Sep. 25, 2018~ Dec. 11, 2018	Sep. 06, 2019	Radiation (03CH10-HY)
Preamplifier	Jet-Power	JAP00101800 -30-10P	160118550 004	1GHz~18GHz	Apr. 17, 2018	Sep. 25, 2018~ Dec. 11, 2018	Apr. 16, 2019	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY542004 85	10Hz ~ 44GHz	Oct. 31, 2017	Sep. 25, 2018~ Sep. 26, 2018	Oct. 30, 2018	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY542004 85	10Hz ~ 44GHz	Nov. 02, 2018	Nov. 13, 2018~ Dec. 11, 2018	Nov. 01, 2019	Radiation (03CH10-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Sep. 25, 2018~ Dec. 11, 2018	N/A	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500- B	N/A	1~4m	N/A	Sep. 25, 2018~ Dec. 11, 2018	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	Sep. 25, 2018~ Dec. 11, 2018	N/A	Radiation (03CH10-HY)
Software	Audix	E3 6.2009-8-24	RK-001042	N/A	N/A	Sep. 25, 2018~ Dec. 11, 2018	N/A	Radiation (03CH10-HY)
EMI Test Receiver	Agilent	N9038A (MXE)	MY532900 53	20Hz to 26.5GHz	Jan. 16, 2018	Sep. 25, 2018~ Dec. 11, 2018	Jan. 15, 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. 14, 2017	Sep. 25, 2018~ Sep. 26, 2018	Nov. 13, 2018	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4PE, MY11693/4PE, MY2855/2	30M-1G	Nov. 08, 2018	Nov. 13, 2018~ Dec. 11, 2018	Nov. 07, 2019	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4PE, MY11693/4PE, MY2855/2	1G-18G	Nov. 14, 2017	Sep. 25, 2018~ Sep. 26, 2018	Nov. 13, 2018	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4PE, MY11693/4PE, MY2855/2	1G-18G	Nov. 08, 2018	Nov. 13, 2018~ Dec. 11, 2018	Nov. 07, 2019	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Oct. 17, 2017	Sep. 25, 2018~ Sep. 26, 2018	Oct. 16, 2018	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Oct. 16, 2018	Nov. 13, 2018~ Dec. 11, 2018	Oct. 15, 2019	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30M~40GHz	Oct. 17, 2017	Sep. 25, 2018~ Sep. 26, 2018	Oct. 16, 2018	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30M~40GHz	Oct. 16, 2018	Nov. 13, 2018~ Dec. 11, 2018	Oct. 15, 2019	Radiation (03CH10-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170 584	18GHz- 40GHz	Nov. 27, 2017	Sep. 25, 2018~ Nov. 14, 2018	Nov. 26, 2018	Radiation (03CH10-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170 584	18GHz- 40GHz	Dec. 05, 2018	Dec. 11, 2018	Dec. 04, 2019	Radiation (03CH10-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 05, 2017	Sep. 25, 2018~ Nov. 14, 2018	Dec. 04, 2018	Radiation (03CH10-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 06, 2018	Dec. 11, 2018	Dec. 05, 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)

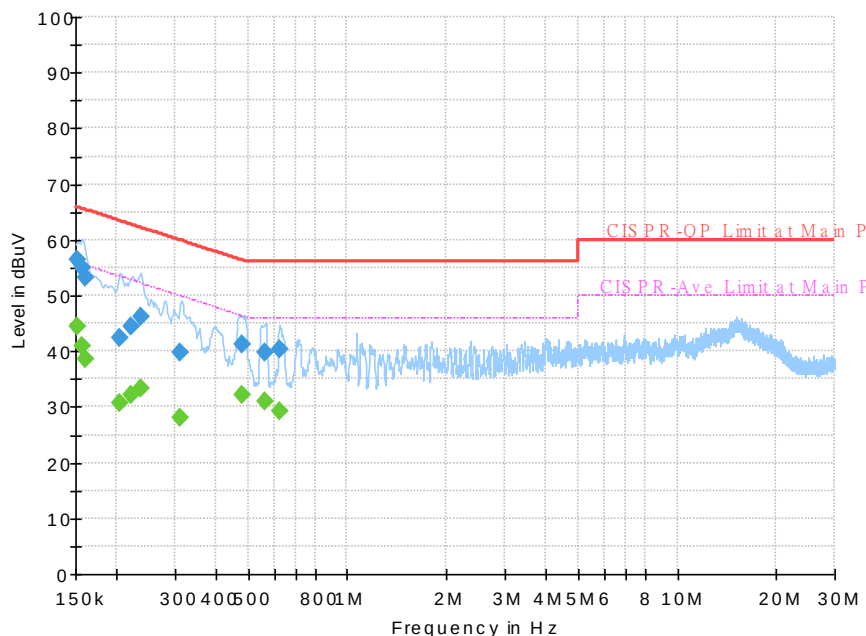
Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.60
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.90
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Appendix A. AC Conducted Emission Test Results

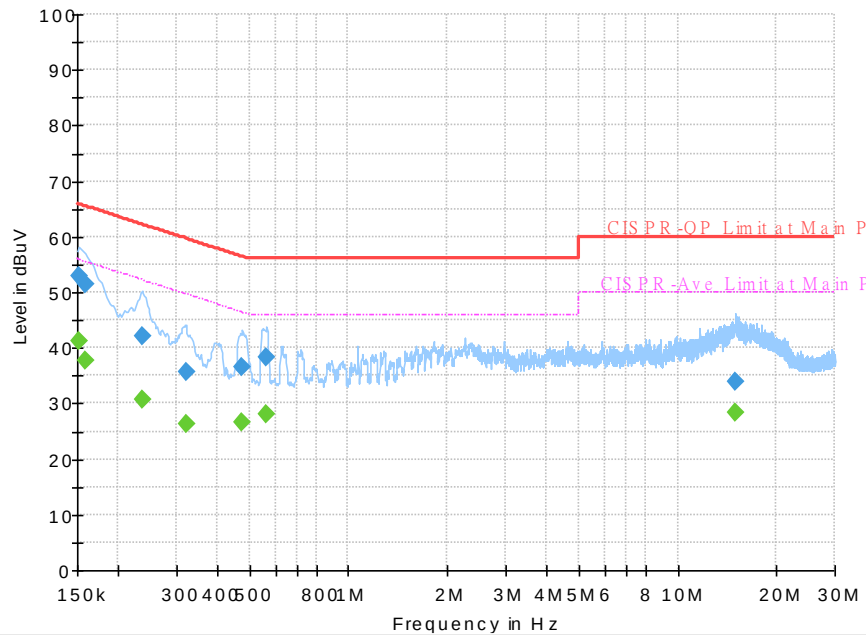
Test Mode :	Mode 1	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	66~68%
Test Voltage :	120Vac / 60Hz	Phase :	Line



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	44.51	55.88	11.37	L1	OFF	19.5
0.152250	56.55	---	65.88	9.33	L1	OFF	19.5
0.156750	---	40.90	55.63	14.73	L1	OFF	19.5
0.156750	54.84	---	65.63	10.79	L1	OFF	19.5
0.161250	---	38.54	55.40	16.86	L1	OFF	19.5
0.161250	53.15	---	65.40	12.25	L1	OFF	19.5
0.204000	---	30.64	53.45	22.81	L1	OFF	19.5
0.204000	42.45	---	63.45	21.00	L1	OFF	19.5
0.222000	---	32.31	52.74	20.43	L1	OFF	19.5
0.222000	44.49	---	62.74	18.25	L1	OFF	19.5
0.237750	---	33.29	52.17	18.88	L1	OFF	19.5
0.237750	46.32	---	62.17	15.85	L1	OFF	19.5
0.312000	---	28.00	49.92	21.92	L1	OFF	19.5
0.312000	39.68	---	59.92	20.24	L1	OFF	19.5

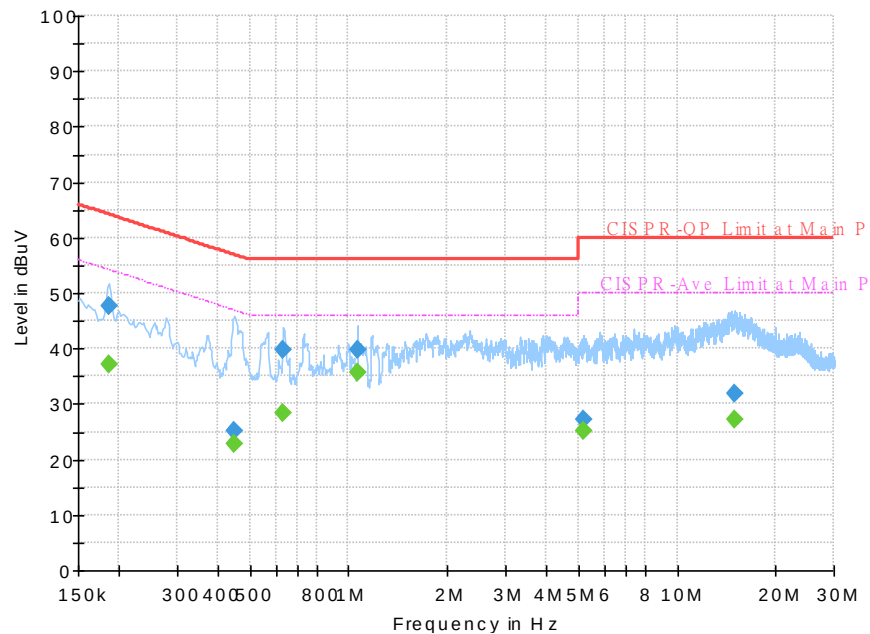
Test Mode :	Mode 1	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	66~68%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

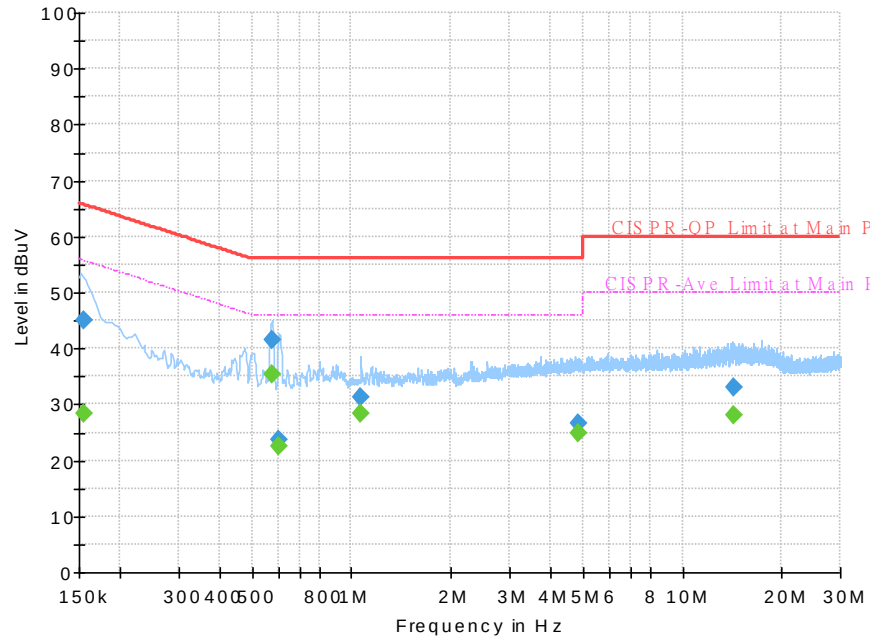
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	41.26	55.88	14.62	N	OFF	19.5
0.152250	52.83	---	65.88	13.05	N	OFF	19.5
0.159000	---	37.77	55.52	17.75	N	OFF	19.5
0.159000	51.54	---	65.52	13.98	N	OFF	19.5
0.237750	---	30.65	52.17	21.52	N	OFF	19.5
0.237750	42.18	---	62.17	19.99	N	OFF	19.5
0.321000	---	26.41	49.68	23.27	N	OFF	19.5
0.321000	35.60	---	59.68	24.08	N	OFF	19.5
0.476250	---	26.59	46.40	19.81	N	OFF	19.5
0.476250	36.46	---	56.40	19.94	N	OFF	19.5
0.564000	---	28.12	46.00	17.88	N	OFF	19.5
0.564000	38.31	---	56.00	17.69	N	OFF	19.5
15.029250	---	28.39	50.00	21.61	N	OFF	20.1
15.029250	33.97	---	60.00	26.03	N	OFF	20.1

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


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.186000	---	37.11	54.21	17.10	L1	OFF	19.5
0.186000	47.58	---	64.21	16.63	L1	OFF	19.5
0.449250	---	22.95	46.89	23.94	L1	OFF	19.5
0.449250	25.13	---	56.89	31.76	L1	OFF	19.5
0.633750	---	28.49	46.00	17.51	L1	OFF	19.6
0.633750	39.63	---	56.00	16.37	L1	OFF	19.6
1.065750	---	35.71	46.00	10.29	L1	OFF	19.6
1.065750	39.78	---	56.00	16.22	L1	OFF	19.6
5.165250	---	25.23	50.00	24.77	L1	OFF	19.7
5.165250	27.05	---	60.00	32.95	L1	OFF	19.7
15.024750	---	27.27	50.00	22.73	L1	OFF	20.1
15.024750	31.85	---	60.00	28.15	L1	OFF	20.1

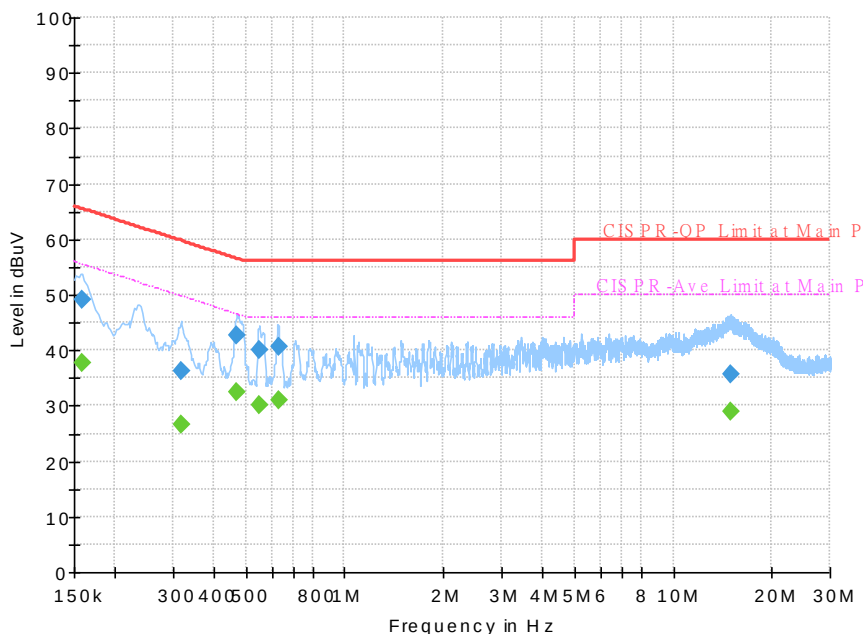
Test Mode :	Mode 2	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	66~68%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

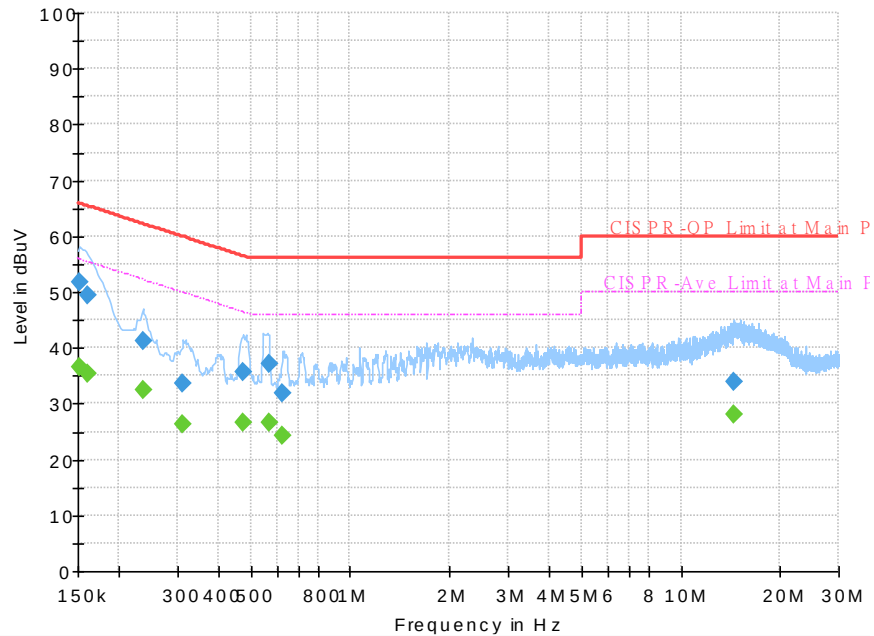
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154500	---	28.43	55.75	27.32	N	OFF	19.5
0.154500	45.16	---	65.75	20.59	N	OFF	19.5
0.575250	---	35.52	46.00	10.48	N	OFF	19.5
0.575250	41.38	---	56.00	14.62	N	OFF	19.5
0.604500	---	22.56	46.00	23.44	N	OFF	19.6
0.604500	23.81	---	56.00	32.19	N	OFF	19.6
1.068000	---	28.36	46.00	17.64	N	OFF	19.6
1.068000	31.15	---	56.00	24.85	N	OFF	19.6
4.830000	---	24.99	46.00	21.01	N	OFF	19.7
4.830000	26.56	---	56.00	29.44	N	OFF	19.7
14.237250	---	28.02	50.00	21.98	N	OFF	20.1
14.237250	33.08	---	60.00	26.92	N	OFF	20.1

Test Mode :	Mode 3	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	66~68%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	37.67	55.52	17.85	L1	OFF	19.5
0.159000	49.24	---	65.52	16.28	L1	OFF	19.5
0.316500	---	26.65	49.80	23.15	L1	OFF	19.5
0.316500	36.16	---	59.80	23.64	L1	OFF	19.5
0.469500	---	32.60	46.52	13.92	L1	OFF	19.5
0.469500	42.78	---	56.52	13.74	L1	OFF	19.5
0.548250	---	30.02	46.00	15.98	L1	OFF	19.5
0.548250	40.10	---	56.00	15.90	L1	OFF	19.5
0.627000	---	30.88	46.00	15.12	L1	OFF	19.6
0.627000	40.62	---	56.00	15.38	L1	OFF	19.6
15.024750	---	28.96	50.00	21.04	L1	OFF	20.1
15.024750	35.56	---	60.00	24.44	L1	OFF	20.1

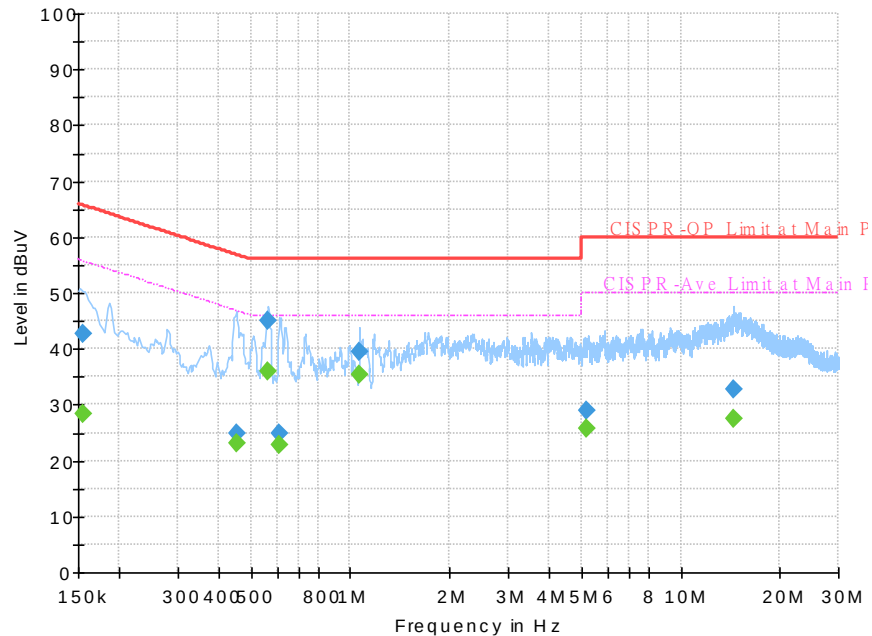
Test Mode :	Mode 3	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	66~68%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

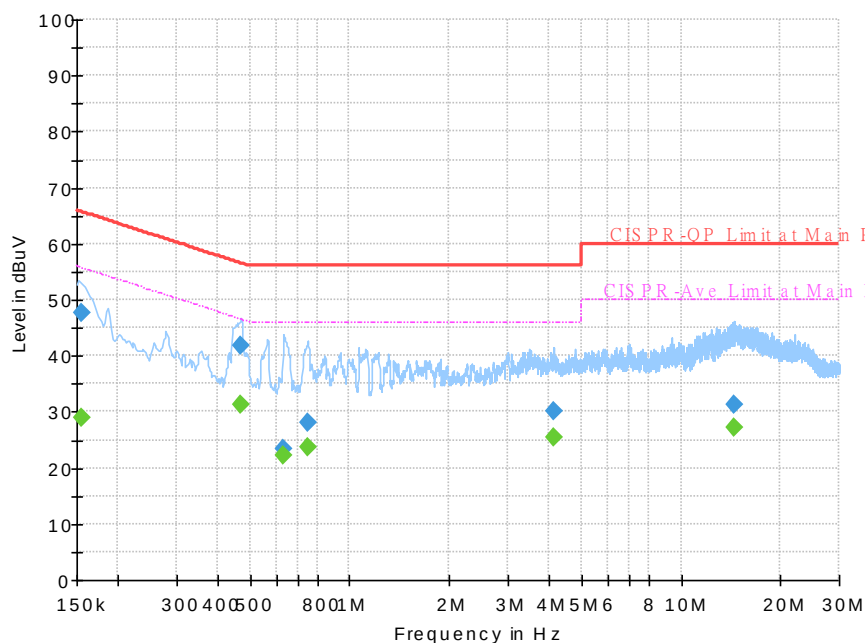
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	36.60	55.88	19.28	N	OFF	19.5
0.152250	51.80	---	65.88	14.08	N	OFF	19.5
0.161250	---	35.29	55.40	20.11	N	OFF	19.5
0.161250	49.38	---	65.40	16.02	N	OFF	19.5
0.235500	---	32.50	52.25	19.75	N	OFF	19.5
0.235500	41.24	---	62.25	21.01	N	OFF	19.5
0.312000	---	26.22	49.92	23.70	N	OFF	19.5
0.312000	33.66	---	59.92	26.26	N	OFF	19.5
0.474000	---	26.53	46.44	19.91	N	OFF	19.5
0.474000	35.62	---	56.44	20.82	N	OFF	19.5
0.566250	---	26.67	46.00	19.33	N	OFF	19.5
0.566250	37.09	---	56.00	18.91	N	OFF	19.5
0.624750	---	24.28	46.00	21.72	N	OFF	19.6
0.624750	31.89	---	56.00	24.11	N	OFF	19.6
14.408250	---	28.03	50.00	21.97	N	OFF	20.1
14.408250	33.96	---	60.00	26.04	N	OFF	20.1

Test Mode :	Mode 4	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	66~68%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154500	---	28.44	55.75	27.31	L1	OFF	19.5
0.154500	42.78	---	65.75	22.97	L1	OFF	19.5
0.451500	---	23.06	46.85	23.79	L1	OFF	19.5
0.451500	24.97	---	56.85	31.88	L1	OFF	19.5
0.564000	---	36.11	46.00	9.89	L1	OFF	19.5
0.564000	45.03	---	56.00	10.97	L1	OFF	19.5
0.609000	---	22.77	46.00	23.23	L1	OFF	19.6
0.609000	24.83	---	56.00	31.17	L1	OFF	19.6
1.065750	---	35.33	46.00	10.67	L1	OFF	19.6
1.065750	39.37	---	56.00	16.63	L1	OFF	19.6
5.176500	---	25.73	50.00	24.27	L1	OFF	19.7
5.176500	29.08	---	60.00	30.92	L1	OFF	19.7
14.466750	---	27.38	50.00	22.62	L1	OFF	20.1
14.466750	32.60	---	60.00	27.40	L1	OFF	20.1

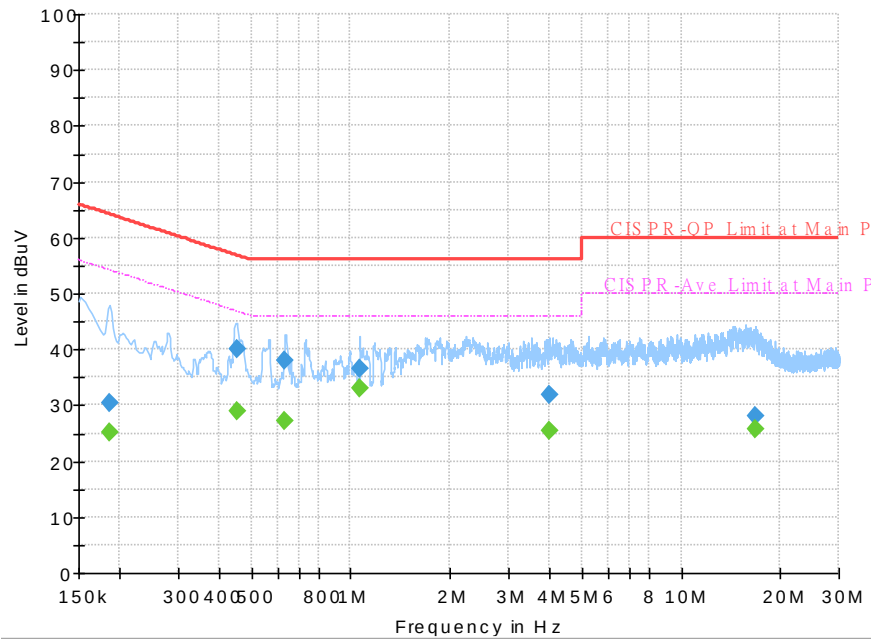
Test Mode :	Mode 4	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	66~68%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

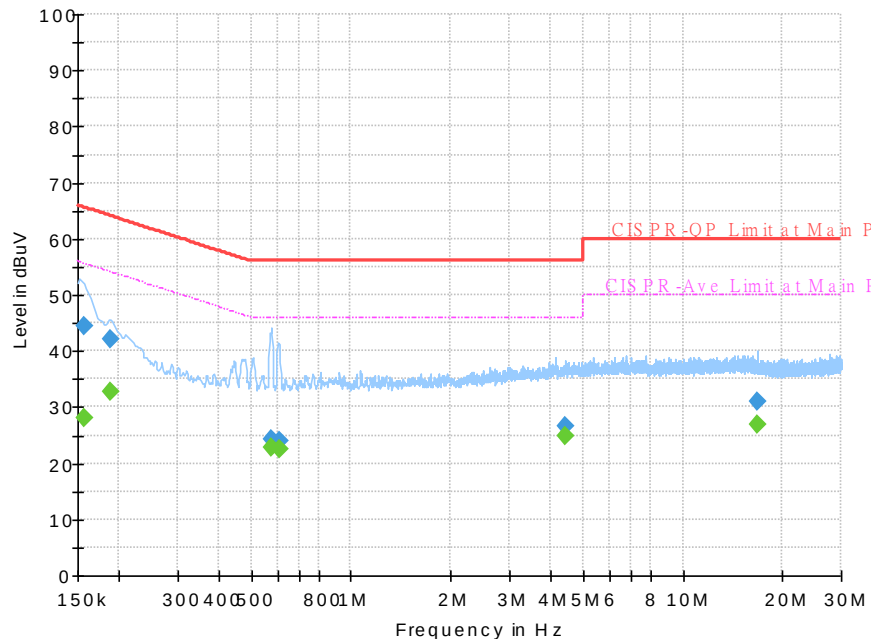
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154500	---	28.83	55.75	26.92	N	OFF	19.5
0.154500	47.66	---	65.75	18.09	N	OFF	19.5
0.469500	---	31.40	46.52	15.12	N	OFF	19.5
0.469500	41.78	---	56.52	14.74	N	OFF	19.5
0.633750	---	22.26	46.00	23.74	N	OFF	19.6
0.633750	23.36	---	56.00	32.64	N	OFF	19.6
0.746250	---	23.73	46.00	22.27	N	OFF	19.6
0.746250	28.20	---	56.00	27.80	N	OFF	19.6
4.112250	---	25.41	46.00	20.59	N	OFF	19.7
4.112250	30.12	---	56.00	25.88	N	OFF	19.7
14.428500	---	27.17	50.00	22.83	N	OFF	20.1
14.428500	31.18	---	60.00	28.82	N	OFF	20.1

Test Mode :	Mode 5	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	66~68%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		


Final Result

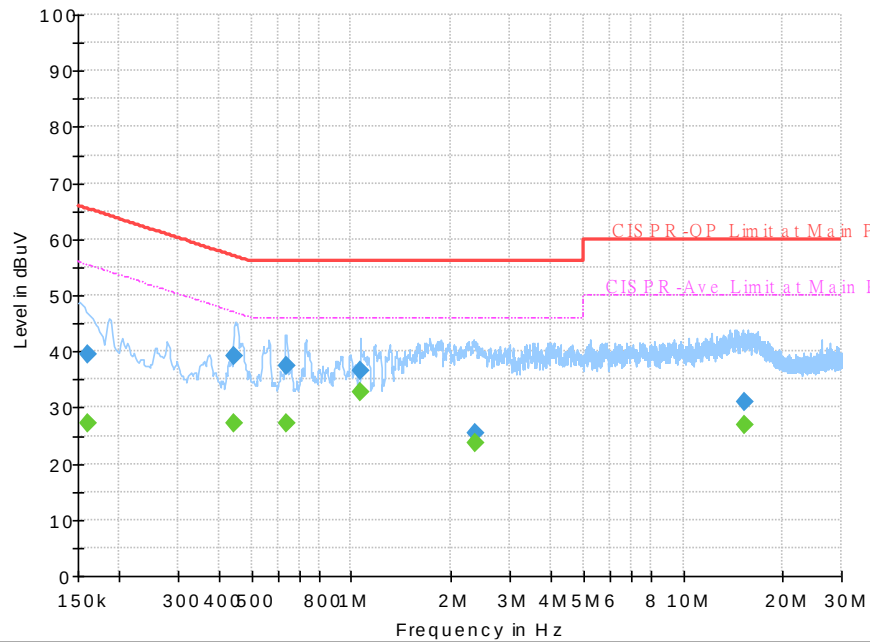
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.186000	---	25.14	54.21	29.07	L1	OFF	19.5
0.186000	30.43	---	64.21	33.78	L1	OFF	19.5
0.451500	---	28.84	46.85	18.01	L1	OFF	19.5
0.451500	39.92	---	56.85	16.93	L1	OFF	19.5
0.633750	---	27.06	46.00	18.94	L1	OFF	19.6
0.633750	38.12	---	56.00	17.88	L1	OFF	19.6
1.068000	---	33.13	46.00	12.87	L1	OFF	19.6
1.068000	36.67	---	56.00	19.33	L1	OFF	19.6
3.977250	---	25.37	46.00	20.63	L1	OFF	19.7
3.977250	31.74	---	56.00	24.26	L1	OFF	19.7
16.779750	---	25.71	50.00	24.29	L1	OFF	20.2
16.779750	27.99	---	60.00	32.01	L1	OFF	20.2

Test Mode :	Mode 5	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	66~68%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		


Final Result

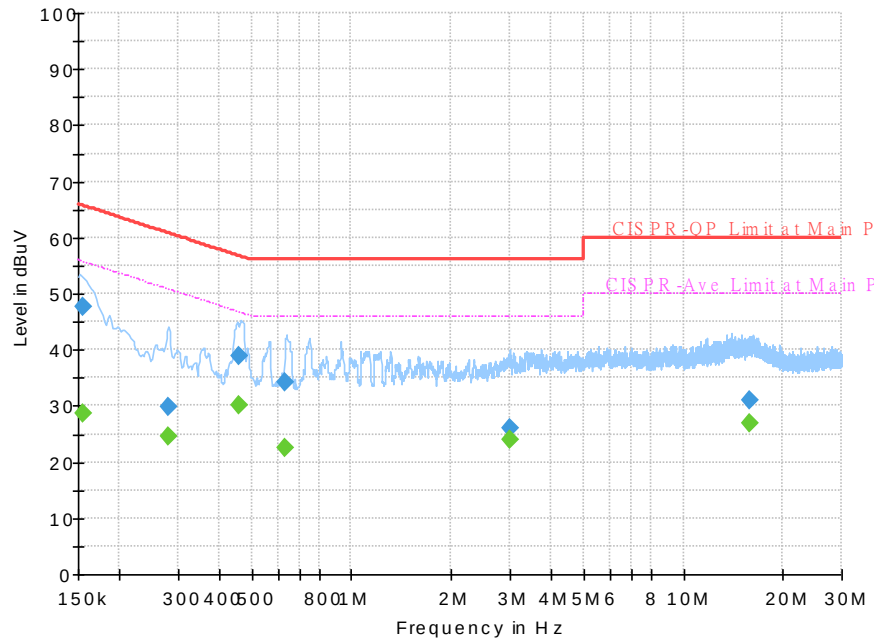
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	27.97	55.63	27.66	N	OFF	19.5
0.156750	44.39	---	65.63	21.24	N	OFF	19.5
0.188250	---	32.89	54.11	21.22	N	OFF	19.5
0.188250	42.00	---	64.11	22.11	N	OFF	19.5
0.575250	---	22.81	46.00	23.19	N	OFF	19.5
0.575250	24.34	---	56.00	31.66	N	OFF	19.5
0.606750	---	22.51	46.00	23.49	N	OFF	19.6
0.606750	23.97	---	56.00	32.03	N	OFF	19.6
4.427250	---	24.82	46.00	21.18	N	OFF	19.7
4.427250	26.47	---	56.00	29.53	N	OFF	19.7
16.847250	---	26.83	50.00	23.17	N	OFF	20.2
16.847250	30.92	---	60.00	29.08	N	OFF	20.2

Test Mode :	Mode 6	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	66~68%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	27.31	55.40	28.09	L1	OFF	19.5
0.161250	39.62	---	65.40	25.78	L1	OFF	19.5
0.444750	---	27.31	46.97	19.66	L1	OFF	19.5
0.444750	39.25	---	56.97	17.72	L1	OFF	19.5
0.638250	---	27.11	46.00	18.89	L1	OFF	19.6
0.638250	37.34	---	56.00	18.66	L1	OFF	19.6
1.068000	---	32.89	46.00	13.11	L1	OFF	19.6
1.068000	36.54	---	56.00	19.46	L1	OFF	19.6
2.355000	---	23.60	46.00	22.40	L1	OFF	19.5
2.355000	25.54	---	56.00	30.46	L1	OFF	19.5
15.375750	---	26.94	50.00	23.06	L1	OFF	20.1
15.375750	31.06	---	60.00	28.94	L1	OFF	20.1

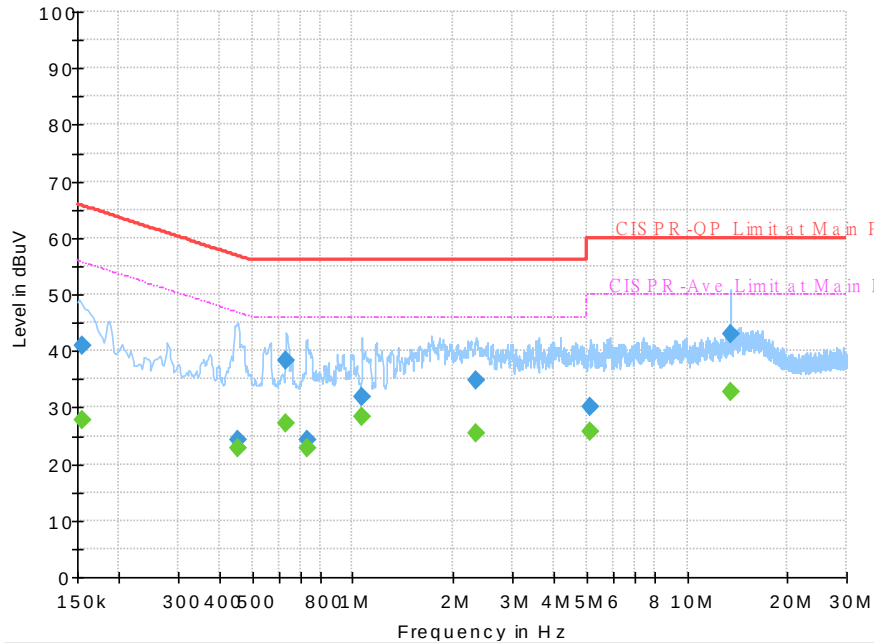
Test Mode :	Mode 6	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	66~68%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

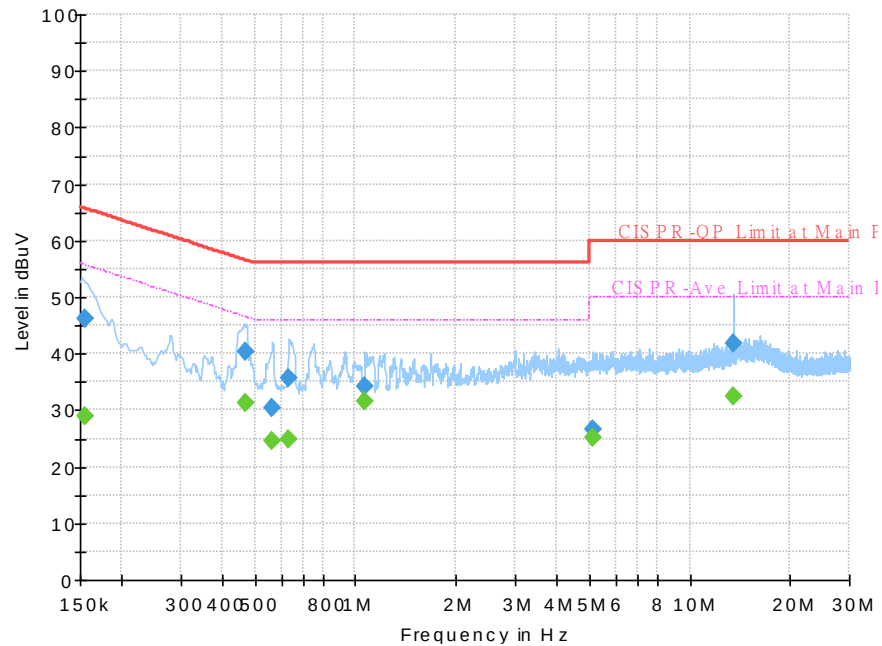
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154500	---	28.56	55.75	27.19	N	OFF	19.5
0.154500	47.52	---	65.75	18.23	N	OFF	19.5
0.280500	---	24.42	50.80	26.38	N	OFF	19.5
0.280500	29.71	---	60.80	31.09	N	OFF	19.5
0.460500	---	30.12	46.68	16.56	N	OFF	19.5
0.460500	38.95	---	56.68	17.73	N	OFF	19.5
0.631500	---	22.54	46.00	23.46	N	OFF	19.6
0.631500	34.32	---	56.00	21.68	N	OFF	19.6
3.005250	---	24.08	46.00	21.92	N	OFF	19.6
3.005250	25.91	---	56.00	30.09	N	OFF	19.6
15.783000	---	27.01	50.00	22.99	N	OFF	20.2
15.783000	31.07	---	60.00	28.93	N	OFF	20.2

Test Mode :	Mode 7	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	66~68%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154500	---	27.75	55.75	28.00	L1	OFF	19.5
0.154500	40.87	---	65.75	24.88	L1	OFF	19.5
0.453750	---	22.71	46.81	24.10	L1	OFF	19.5
0.453750	24.22	---	56.81	32.59	L1	OFF	19.5
0.633750	---	27.18	46.00	18.82	L1	OFF	19.6
0.633750	38.45	---	56.00	17.55	L1	OFF	19.6
0.728250	---	22.73	46.00	23.27	L1	OFF	19.6
0.728250	24.30	---	56.00	31.70	L1	OFF	19.6
1.065750	---	28.50	46.00	17.50	L1	OFF	19.6
1.065750	31.78	---	56.00	24.22	L1	OFF	19.6
2.339250	---	25.39	46.00	20.61	L1	OFF	19.5
2.339250	34.87	---	56.00	21.13	L1	OFF	19.5
5.158500	---	25.63	50.00	24.37	L1	OFF	19.7
5.158500	29.99	---	60.00	30.01	L1	OFF	19.7
13.560000	---	32.84	50.00	17.16	L1	OFF	20.0
13.560000	43.01	---	60.00	16.99	L1	OFF	20.0

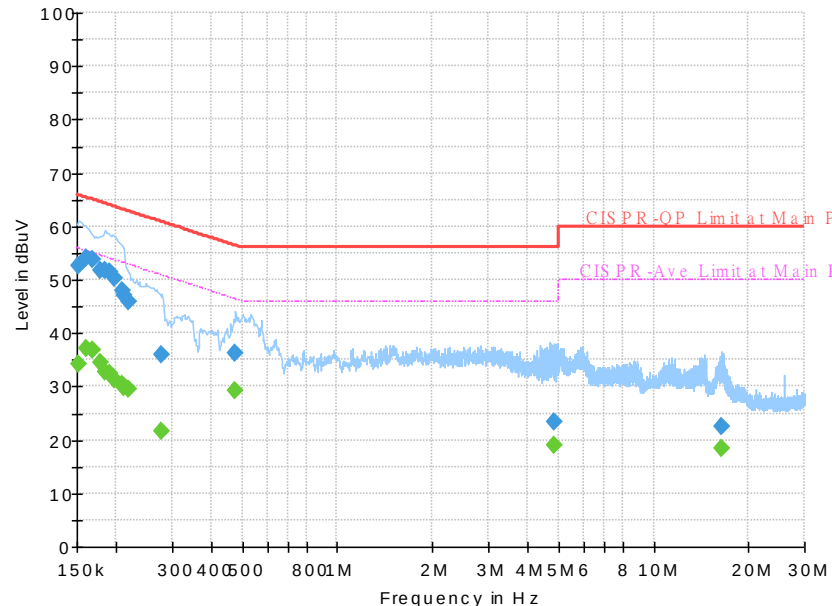
Test Mode :	Mode 7	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	66~68%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

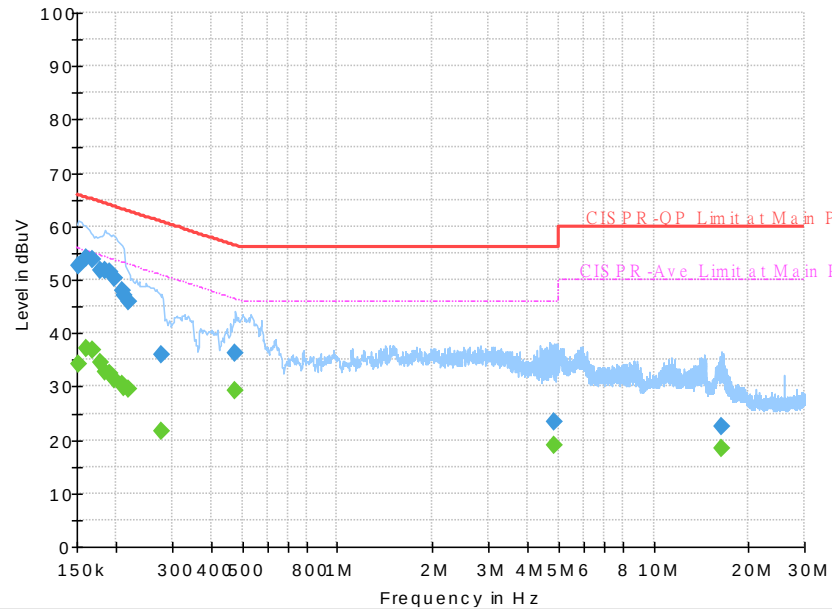
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154500	---	28.80	55.75	26.95	N	OFF	19.5
0.154500	46.08	---	65.75	19.67	N	OFF	19.5
0.467250	---	31.40	46.56	15.16	N	OFF	19.5
0.467250	40.27	---	56.56	16.29	N	OFF	19.5
0.564000	---	24.57	46.00	21.43	N	OFF	19.5
0.564000	30.47	---	56.00	25.53	N	OFF	19.5
0.631500	---	25.00	46.00	21.00	N	OFF	19.6
0.631500	35.67	---	56.00	20.33	N	OFF	19.6
1.065750	---	31.72	46.00	14.28	N	OFF	19.6
1.065750	34.15	---	56.00	21.85	N	OFF	19.6
5.149500	---	25.19	50.00	24.81	N	OFF	19.7
5.149500	26.69	---	60.00	33.31	N	OFF	19.7
13.560000	---	32.41	50.00	17.59	N	OFF	20.1
13.560000	41.83	---	60.00	18.17	N	OFF	20.1

Test Mode :	Mode 8	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	66~68%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		


Final Result

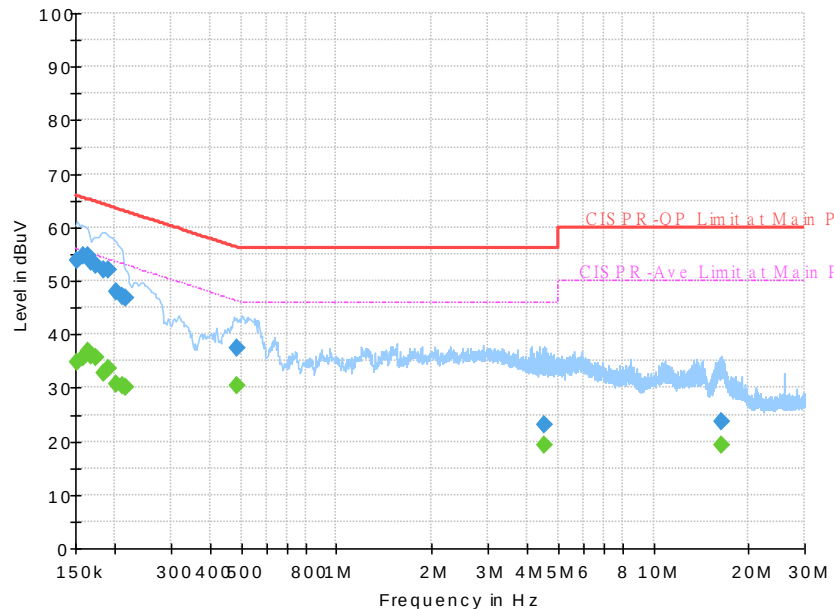
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	34.24	55.88	21.64	L1	OFF	19.5
0.152250	52.77	---	65.88	13.11	L1	OFF	19.5
0.161250	---	37.21	55.40	18.19	L1	OFF	19.5
0.161250	54.10	---	65.40	11.30	L1	OFF	19.5
0.168000	---	36.98	55.06	18.08	L1	OFF	19.5
0.168000	53.68	---	65.06	11.38	L1	OFF	19.5
0.177000	---	34.45	54.63	20.18	L1	OFF	19.5
0.177000	51.86	---	64.63	12.77	L1	OFF	19.5
0.183750	---	32.89	54.31	21.42	L1	OFF	19.5
0.183750	51.82	---	64.31	12.49	L1	OFF	19.5
0.190500	---	32.60	54.02	21.42	L1	OFF	19.5
0.190500	51.48	---	64.02	12.54	L1	OFF	19.5
0.197250	---	31.15	53.73	22.58	L1	OFF	19.5
0.197250	50.33	---	63.73	13.40	L1	OFF	19.5
0.208500	---	30.50	53.27	22.77	L1	OFF	19.5
0.208500	47.85	---	63.27	15.42	L1	OFF	19.5

Test Mode :	Mode 8	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	66~68%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		


Final Result

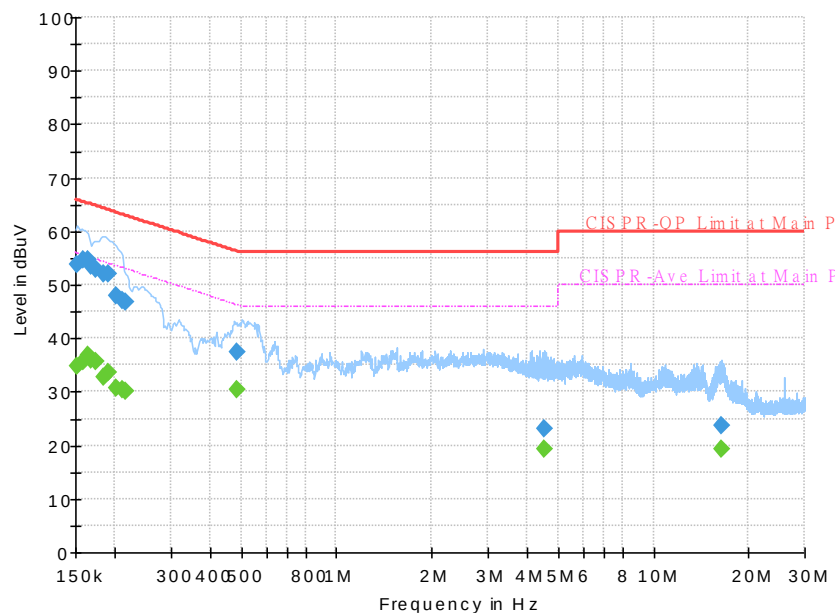
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.210750	---	29.83	53.18	23.35	L1	OFF	19.5
0.210750	47.04	---	63.18	16.14	L1	OFF	19.5
0.217500	---	29.48	52.91	23.43	L1	OFF	19.5
0.217500	45.81	---	62.91	17.10	L1	OFF	19.5
0.278250	---	21.67	50.87	29.20	L1	OFF	19.5
0.278250	35.86	---	60.87	25.01	L1	OFF	19.5
0.476250	---	29.21	46.40	17.19	L1	OFF	19.5
0.476250	36.39	---	56.40	20.01	L1	OFF	19.5
4.843500	---	19.05	46.00	26.95	L1	OFF	19.6
4.843500	23.32	---	56.00	32.68	L1	OFF	19.6
16.386000	---	18.39	50.00	31.61	L1	OFF	19.8
16.386000	22.57	---	60.00	37.43	L1	OFF	19.8

Test Mode :	Mode 8	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	66~68%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		


Final Result

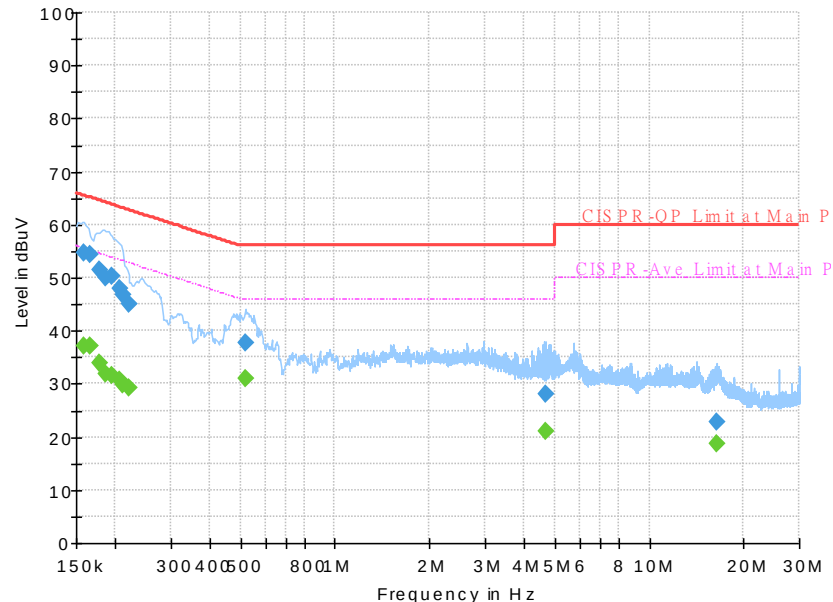
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	34.92	55.88	20.96	N	OFF	19.5
0.152250	53.76	---	65.88	12.12	N	OFF	19.5
0.159000	---	35.65	55.52	19.87	N	OFF	19.5
0.159000	54.59	---	65.52	10.93	N	OFF	19.5
0.163500	---	36.95	55.28	18.33	N	OFF	19.5
0.163500	54.59	---	65.28	10.69	N	OFF	19.5
0.168000	---	35.95	55.06	19.11	N	OFF	19.5
0.168000	53.37	---	65.06	11.69	N	OFF	19.5
0.174750	---	35.74	54.73	18.99	N	OFF	19.5
0.174750	52.98	---	64.73	11.75	N	OFF	19.5
0.183750	---	32.88	54.31	21.43	N	OFF	19.5
0.183750	52.02	---	64.31	12.29	N	OFF	19.5
0.190500	---	33.72	54.02	20.30	N	OFF	19.5
0.190500	52.11	---	64.02	11.91	N	OFF	19.5
0.201750	---	30.58	53.54	22.96	N	OFF	19.5
0.201750	47.91	---	63.54	15.63	N	OFF	19.5
0.210750	---	30.42	53.18	22.76	N	OFF	19.5
0.210750	47.18	---	63.18	16.00	N	OFF	19.5

Test Mode :	Mode 8	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	66~68%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		


Final Result

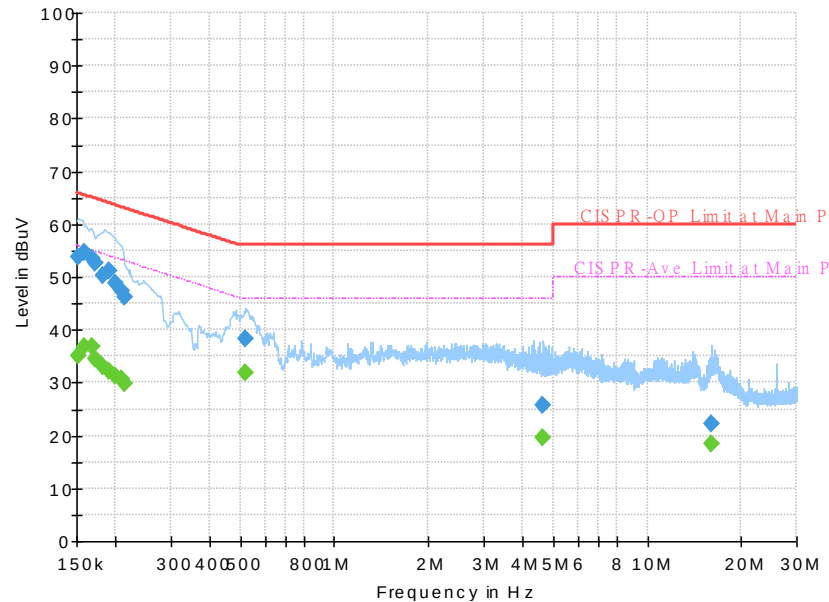
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.215250	---	30.19	53.00	22.81	N	OFF	19.5
0.215250	46.77	---	63.00	16.23	N	OFF	19.5
0.483000	---	30.52	46.29	15.77	N	OFF	19.5
0.483000	37.54	---	56.29	18.75	N	OFF	19.5
4.512750	---	19.35	46.00	26.65	N	OFF	19.6
4.512750	23.18	---	56.00	32.82	N	OFF	19.6
16.401750	---	19.21	50.00	30.79	N	OFF	19.8
16.401750	23.66	---	60.00	36.34	N	OFF	19.8

Test Mode :	Mode 9	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	66~68%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		


Final Result

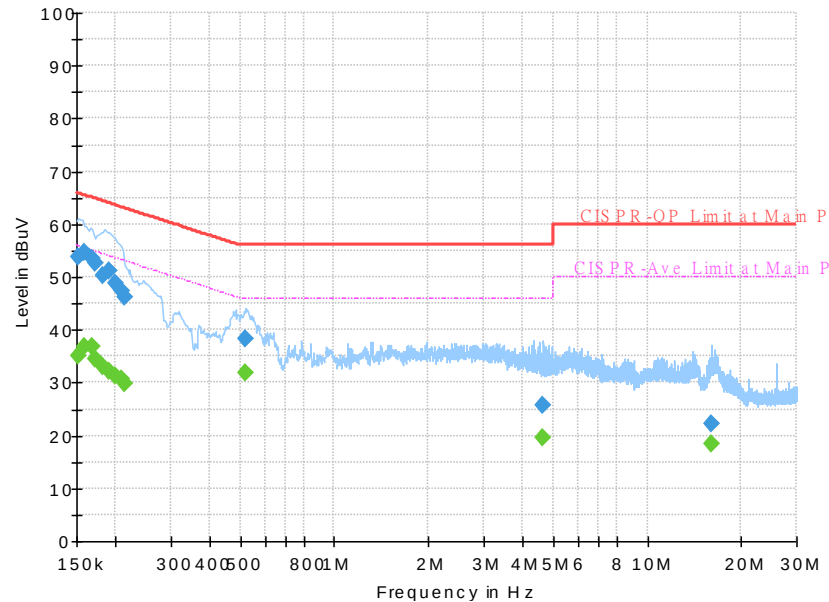
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	54.54	---	65.52	10.98	L1	OFF	19.5
0.159000	---	37.04	55.52	18.48	L1	OFF	19.5
0.165750	54.43	---	65.17	10.74	L1	OFF	19.5
0.165750	---	37.00	55.17	18.17	L1	OFF	19.5
0.177000	51.38	---	64.63	13.25	L1	OFF	19.5
0.177000	---	34.01	54.63	20.62	L1	OFF	19.5
0.186000	50.04	---	64.21	14.17	L1	OFF	19.5
0.186000	---	31.97	54.21	22.24	L1	OFF	19.5
0.195000	50.24	---	63.82	13.58	L1	OFF	19.5
0.195000	---	31.60	53.82	22.22	L1	OFF	19.5
0.206250	47.98	---	63.36	15.38	L1	OFF	19.5
0.206250	---	30.64	53.36	22.72	L1	OFF	19.5
0.210750	46.86	---	63.18	16.32	L1	OFF	19.5
0.210750	---	29.83	53.18	23.35	L1	OFF	19.5
0.219750	45.01	---	62.83	17.82	L1	OFF	19.5
0.219750	---	29.29	52.83	23.54	L1	OFF	19.5
0.516750	37.63	---	56.00	18.37	L1	OFF	19.5
0.516750	---	31.04	46.00	14.96	L1	OFF	19.5
4.656750	28.06	---	56.00	27.94	L1	OFF	19.6
4.656750	---	21.19	46.00	24.81	L1	OFF	19.6
16.347750	22.67	---	60.00	37.33	L1	OFF	19.8
16.347750	---	18.71	50.00	31.29	L1	OFF	19.8

Test Mode :	Mode 9	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	66~68%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	35.03	55.88	20.85	N	OFF	19.5
0.152250	53.66	---	65.88	12.22	N	OFF	19.5
0.159000	---	36.89	55.52	18.63	N	OFF	19.5
0.159000	54.54	---	65.52	10.98	N	OFF	19.5
0.168000	---	36.73	55.06	18.33	N	OFF	19.5
0.168000	53.59	---	65.06	11.47	N	OFF	19.5
0.172500	---	34.51	54.84	20.33	N	OFF	19.5
0.172500	52.60	---	64.84	12.24	N	OFF	19.5
0.181500	---	33.15	54.42	21.27	N	OFF	19.5
0.181500	50.41	---	64.42	14.01	N	OFF	19.5
0.190500	---	32.03	54.02	21.99	N	OFF	19.5
0.190500	51.17	---	64.02	12.85	N	OFF	19.5
0.199500	---	31.24	53.63	22.39	N	OFF	19.5
0.199500	48.70	---	63.63	14.93	N	OFF	19.5

Test Mode :	Mode 9	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	66~68%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

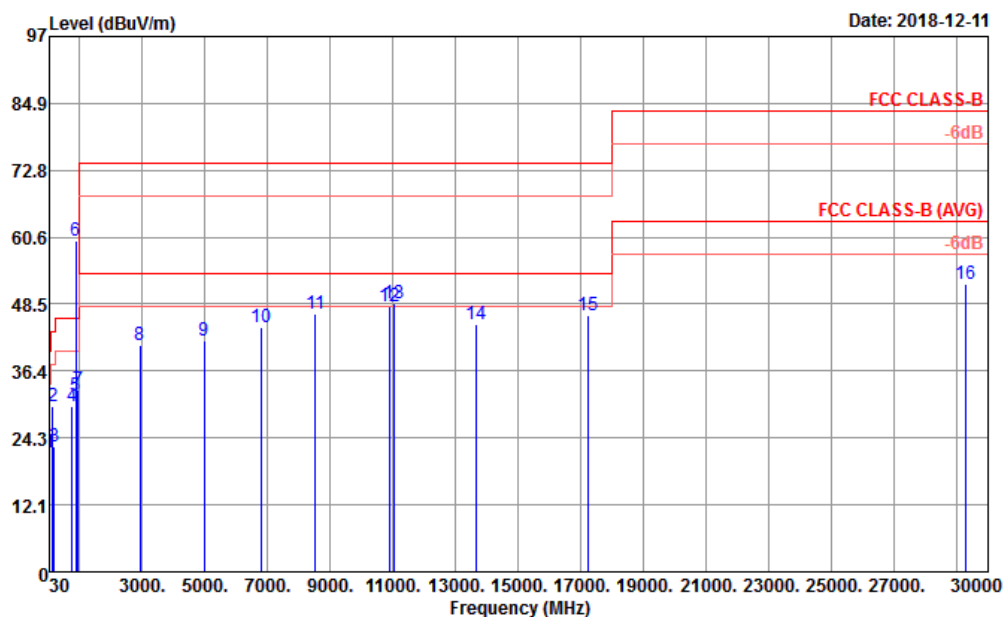

Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.208500	---	30.63	53.27	22.64	N	OFF	19.5
0.208500	47.46	---	63.27	15.81	N	OFF	19.5
0.213000	---	29.88	53.09	23.21	N	OFF	19.5
0.213000	46.21	---	63.09	16.88	N	OFF	19.5
0.521250	---	31.90	46.00	14.10	N	OFF	19.5
0.521250	38.37	---	56.00	17.63	N	OFF	19.5
4.654500	---	19.55	46.00	26.45	N	OFF	19.6
4.654500	25.70	---	56.00	30.30	N	OFF	19.6
16.066500	---	18.32	50.00	31.68	N	OFF	19.8
16.066500	22.16	---	60.00	37.84	N	OFF	19.8



Appendix B. Radiated Emission Test Result

Mode :	Mode 1	Temperature :	20~23°C
Test Engineer :	Yu Wang	Relative Humidity :	50~55%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		



Site : 03CH10-HY

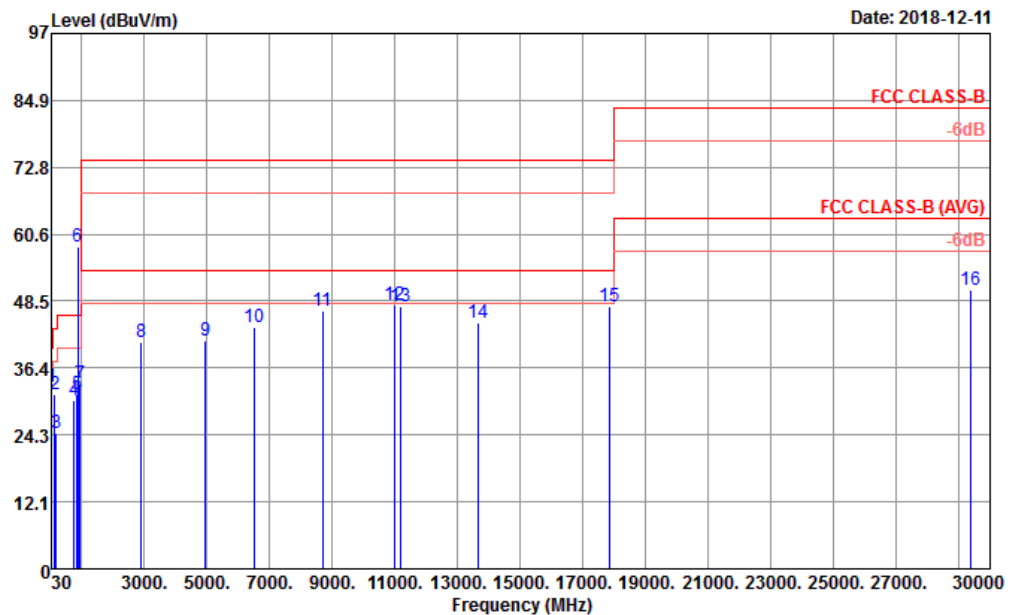
Condition : FCC CLASS-B 1m HORN_9170_40G_0584 HORIZONTAL

Power : 120Vac/60HZ

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm deg
1	30.54	21.54	-18.46	40.00	29.55	24.32	0.45	32.78	--- --- Peak
2	142.86	30.06	-13.44	43.50	43.99	17.41	1.30	32.64	--- --- Peak
3	178.23	22.70	-20.80	43.50	38.68	15.17	1.46	32.61	--- --- Peak
4	767.60	30.06	-15.94	46.00	31.06	28.24	3.19	32.43	--- --- Peak
5	867.70	31.81	-14.19	46.00	31.30	29.12	3.39	32.00	--- --- Peak
6 *	869.20	60.10			59.59	29.11	3.39	31.99	--- --- Peak
7	951.00	33.00	-13.00	46.00	29.97	30.84	3.51	31.32	100 0 Peak
8	2936.00	41.18	-32.82	74.00	67.18	28.27	7.62	61.89	--- --- Peak
9	4978.00	41.95	-32.05	74.00	64.04	31.21	9.00	62.30	--- --- Peak
10	6792.00	44.38	-29.62	74.00	62.68	34.57	10.48	63.35	--- --- Peak
11	8528.00	46.63	-27.37	74.00	62.37	36.91	11.48	64.13	--- --- Peak
12	10896.00	48.13	-25.87	74.00	58.91	40.00	13.14	63.92	--- --- Peak
13	11022.00	48.52	-25.48	74.00	59.09	39.99	13.24	63.80	100 0 Peak
14	13644.00	44.84	-29.16	74.00	53.31	40.39	14.48	63.34	--- --- Peak
15	17244.00	46.36	-27.64	74.00	52.36	40.04	16.77	62.81	--- --- Peak
16	29292.00	52.23	-31.31	83.54	42.40	40.38	24.37	54.92	--- --- Peak



Mode :	Mode 1	Temperature :	20~23°C
Test Engineer :	Yu Wang	Relative Humidity :	50~55%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		

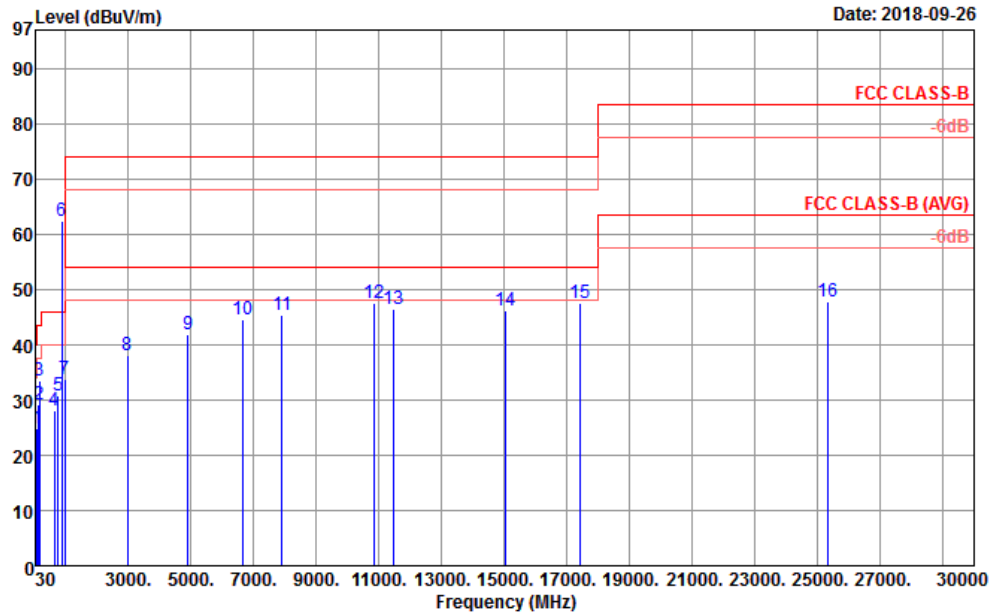


Site : 03CH10-HY
Condition : FCC CLASS-B 1m HORN_9170_40G_0584 VERTICAL

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	41.34	32.87	-7.13	40.00	46.28	18.75	0.60	32.76	100	0 Peak
2	148.26	31.55	-11.95	43.50	45.74	17.13	1.31	32.63	---	---
3	175.80	24.63	-18.87	43.50	40.47	15.33	1.44	32.61	---	---
4	753.60	30.50	-15.50	46.00	31.56	28.22	3.18	32.46	---	---
5	848.10	31.61	-14.39	46.00	31.28	29.07	3.37	32.11	---	---
6 *	869.20	58.40			57.89	29.11	3.39	31.99	---	---
7	949.60	33.63	-12.37	46.00	30.66	30.79	3.51	31.33	---	---
8	2902.00	41.03	-32.97	74.00	67.16	28.20	7.55	61.88	---	---
9	4950.00	41.46	-32.54	74.00	63.74	31.10	8.92	62.30	---	---
10	6504.00	43.89	-30.11	74.00	62.58	34.21	10.10	63.00	---	---
11	8698.00	46.68	-27.32	74.00	62.00	37.40	11.62	64.34	---	---
12	10970.00	47.87	-26.13	74.00	58.44	40.07	13.20	63.84	100	0 Peak
13	11160.00	47.51	-26.49	74.00	58.52	39.48	13.34	63.83	---	---
14	13674.00	44.51	-29.49	74.00	52.89	40.45	14.50	63.33	---	---
15	17844.00	47.47	-26.53	74.00	48.30	44.29	17.24	62.36	---	---
16	29364.00	50.42	-33.12	83.54	40.62	40.35	24.40	54.95	---	---

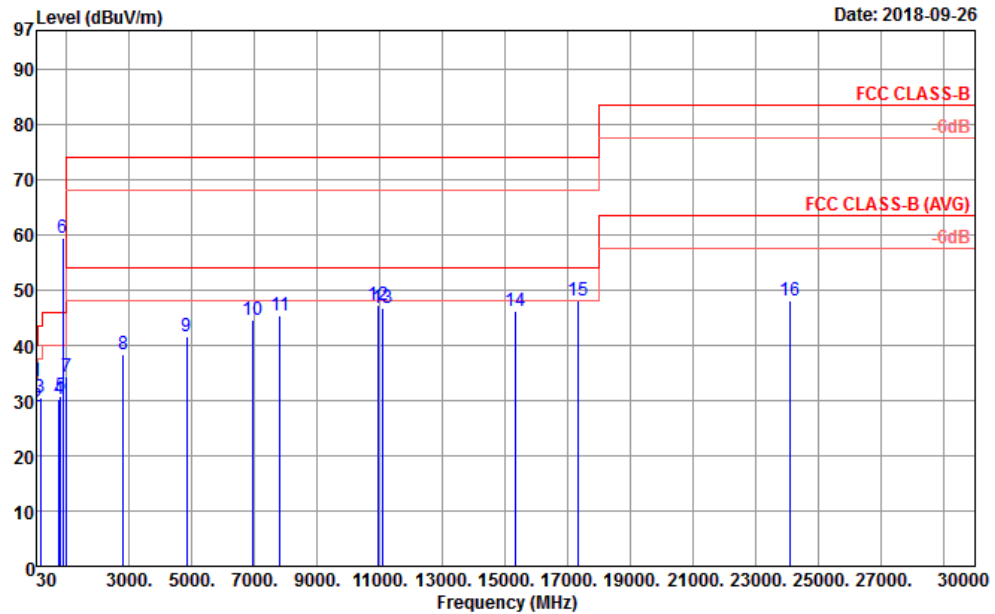
Mode :	Mode 2	Temperature :	20~23°C
Test Engineer :	Yu Wang	Relative Humidity :	50~55%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		



Site : 03CH10-HY
Condition : FCC CLASS-B 1m HORN_9170_406_0584 HORIZONTAL
Power : 120Vac/60Hz

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamplifier Loss	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	84.27	24.73	-15.27	40.00	42.34	13.88	1.00	32.73	---	Peak
2	147.18	29.13	-14.37	43.50	42.94	17.18	1.33	32.68	---	Peak
3	167.43	33.55	-9.95	43.50	48.50	15.88	1.41	32.66	100	0 Peak
4	640.90	28.21	-17.79	46.00	31.25	26.49	2.68	32.80	---	Peak
5	759.90	30.67	-15.33	46.00	31.48	28.35	2.93	32.70	---	Peak
6 *	881.70	62.49			61.74	29.09	3.16	32.19	---	Peak
7	960.10	33.85	-20.15	54.00	30.01	31.12	3.32	31.41	---	Peak
8	2964.00	38.21	-35.79	74.00	65.29	28.72	6.09	61.89	---	Peak
9	4908.00	41.76	-32.24	74.00	63.06	32.62	8.38	62.30	---	Peak
10	6670.00	44.60	-29.40	74.00	62.45	35.88	9.47	63.20	---	Peak
11	7912.00	45.47	-28.53	74.00	60.87	37.91	10.31	63.62	---	Peak
12	10860.00	47.68	-26.32	74.00	59.34	40.10	12.21	63.97	100	0 Peak
13	11462.00	46.59	-27.41	74.00	58.04	39.73	12.71	63.89	---	Peak
14	15054.00	46.33	-27.67	74.00	53.83	40.28	15.31	63.09	---	Peak
15	17430.00	47.65	-26.35	74.00	51.42	41.90	16.91	62.58	---	Peak
16	25332.00	47.75	-35.79	83.54	40.29	39.47	21.32	53.33	---	Peak

Mode :	Mode 2	Temperature :	20~23°C
Test Engineer :	Yu Wang	Relative Humidity :	50~55%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		

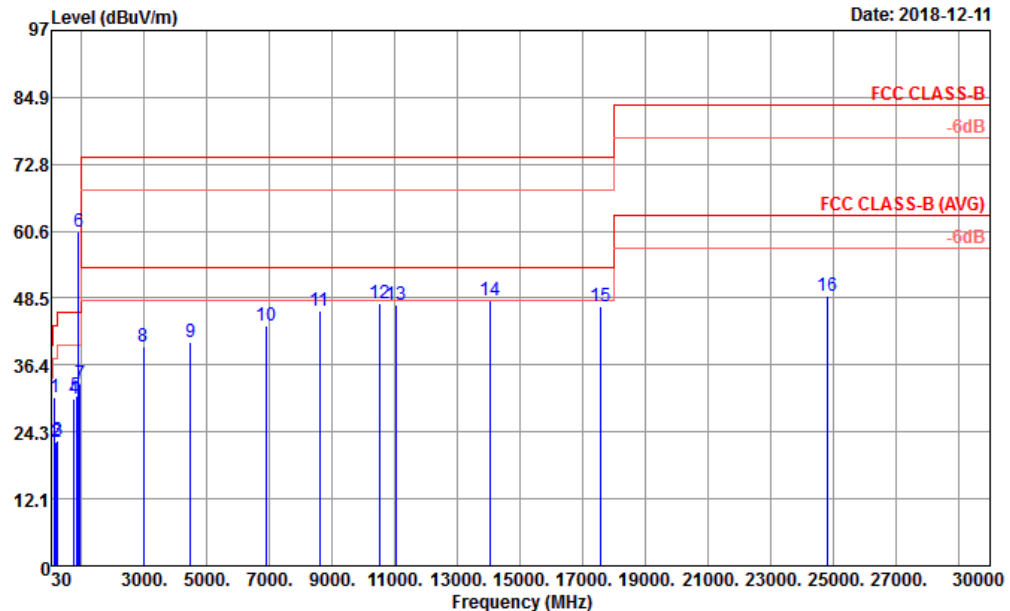


Site : 03CH10-HY
Condition : FCC CLASS-B 1m HORN_9170_40G_0584 VERTICAL
Power : 120Vac/60Hz

	Freq	Level	ver Limit	Limit Line	ReadAntenna Level	Cable Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm deg
1	42.69	33.50	-6.50	40.00	47.47	17.90	0.78	32.77	100 0 Peak
2	47.01	28.95	-11.05	40.00	45.19	15.61	0.78	32.76	--- --- Peak
3	153.66	30.50	-13.00	43.50	44.51	16.94	1.33	32.67	--- --- Peak
4	746.60	30.25	-15.75	46.00	31.23	28.24	2.90	32.72	--- --- Peak
5	799.80	30.75	-15.25	46.00	31.40	28.36	3.00	32.65	--- --- Peak
6 *	881.70	59.55			58.80	29.09	3.16	32.19	--- --- Peak
7	984.60	34.38	-19.62	54.00	30.57	30.79	3.34	31.13	--- --- Peak
8	2800.00	38.49	-35.51	74.00	66.13	28.36	5.86	61.86	--- --- Peak
9	4838.00	41.56	-32.44	74.00	62.98	32.48	8.40	62.30	--- --- Peak
10	6944.00	44.62	-29.38	74.00	61.87	36.64	9.64	63.53	--- --- Peak
11	7814.00	45.39	-28.61	74.00	61.06	37.81	10.16	63.64	--- --- Peak
12	10938.00	47.22	-26.78	74.00	58.72	40.10	12.27	63.87	--- --- Peak
13	11072.00	46.71	-27.29	74.00	58.11	40.04	12.37	63.81	--- --- Peak
14	15330.00	46.20	-27.80	74.00	54.66	39.12	15.45	63.03	--- --- Peak
15	17316.00	48.02	-25.98	74.00	52.49	41.42	16.83	62.72	100 0 Peak
16	24072.00	48.17	-35.37	83.54	40.63	39.90	21.11	53.47	--- --- Peak



Mode :	Mode 3	Temperature :	20~23°C
Test Engineer :	Yu Wang	Relative Humidity :	50~55%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		



Site : 03CH10-HY

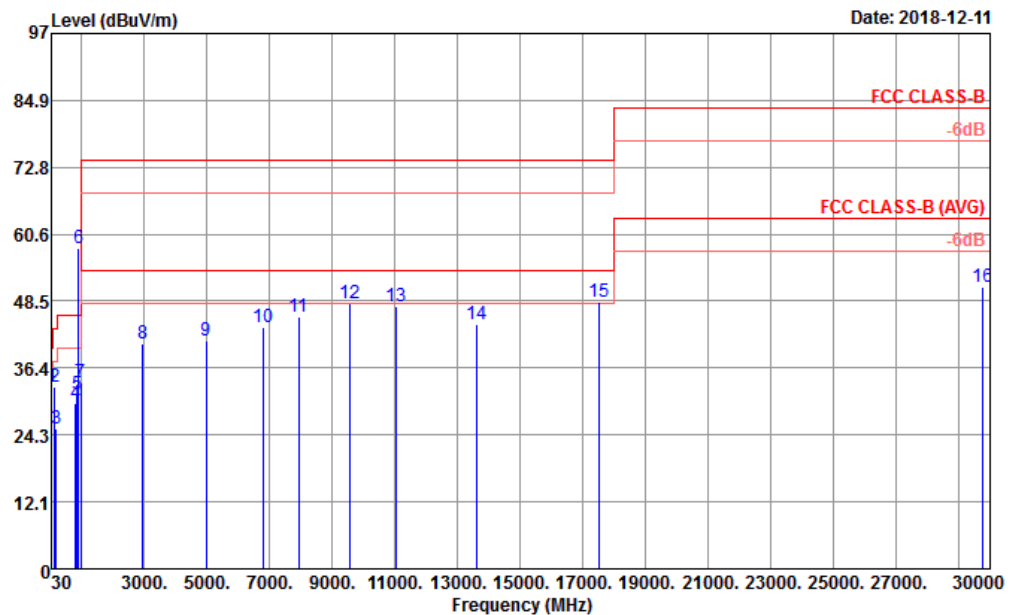
Condition : FCC CLASS-B 1m HORN_9170_40G_0584 HORIZONTAL

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	145.02	30.64	-12.86	43.50	44.71	17.25	1.31	32.63	100	0 Peak
2	178.23	22.33	-21.17	43.50	38.31	15.17	1.46	32.61	---	---
3	229.26	22.64	-23.36	46.00	37.61	15.99	1.64	32.60	---	---
4	767.60	30.35	-15.65	46.00	31.35	28.24	3.19	32.43	---	---
5	833.40	30.89	-15.11	46.00	31.11	28.64	3.33	32.19	---	---
6 *	893.80	60.55			59.97	29.01	3.42	31.85	---	---
7	956.60	33.09	-12.91	46.00	29.81	31.03	3.52	31.27	---	---
8	2974.00	39.61	-34.39	74.00	65.45	28.35	7.70	61.89	---	---
9	4470.00	40.61	-33.39	74.00	63.79	30.38	8.74	62.30	---	---
10	6894.00	43.62	-30.38	74.00	61.70	34.95	10.44	63.47	---	---
11	8586.00	46.27	-27.73	74.00	61.94	37.07	11.46	64.20	---	---
12	10506.00	47.44	-26.56	74.00	59.48	39.51	12.84	64.39	100	0 Peak
13	11054.00	47.17	-26.83	74.00	57.89	39.83	13.26	63.81	---	---
14	14034.00	48.06	-25.94	74.00	55.65	40.84	14.78	63.21	---	---
15	17556.00	47.07	-26.93	74.00	50.94	41.59	17.02	62.48	---	---
16	24804.00	49.01	-34.53	83.54	40.95	40.07	21.23	53.24	---	---



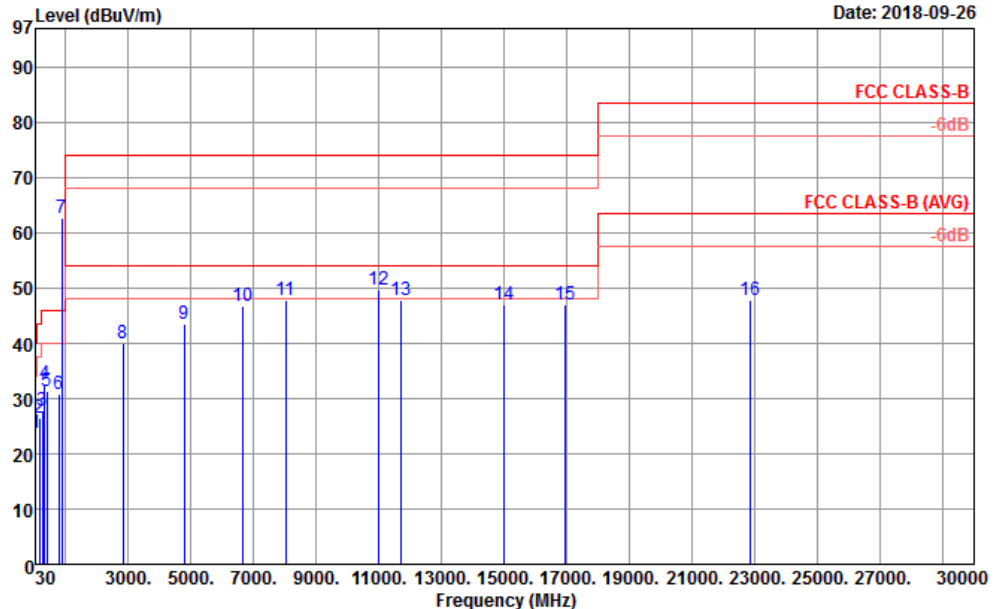
Mode :	Mode 3	Temperature :	20~23°C
Test Engineer :	Yu Wang	Relative Humidity :	50~55%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		



Site : 03CH10-HY
Condition : FCC CLASS-B 1m HORN_9170_40G_0584 VERTICAL
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	41.61	32.93	-7.07	40.00	46.46	18.62	0.61	32.76	100	0 Peak
2	147.18	32.99	-10.51	43.50	47.14	17.17	1.31	32.63	---	---
3	174.99	25.38	-18.12	43.50	41.18	15.38	1.43	32.61	---	---
4	794.20	30.03	-15.97	46.00	30.94	28.24	3.23	32.38	---	---
5	860.00	31.48	-14.52	46.00	30.95	29.19	3.38	32.04	---	---
6 *	893.80	58.14			57.56	29.01	3.42	31.85	---	---
7	960.10	33.71	-20.29	54.00	30.26	31.15	3.53	31.23	---	---
8	2956.00	40.67	-33.33	74.00	66.58	28.31	7.67	61.89	---	---
9	4966.00	41.41	-32.59	74.00	63.59	31.16	8.96	62.30	---	---
10	6778.00	43.89	-30.11	74.00	62.25	34.51	10.46	63.33	---	---
11	7934.00	45.75	-28.25	74.00	61.45	36.70	11.21	63.61	---	---
12	9568.00	48.06	-25.94	74.00	62.25	38.40	12.12	64.71	100	0 Peak
13	11022.00	47.62	-26.38	74.00	58.19	39.99	13.24	63.80	---	---
14	13626.00	44.26	-29.74	74.00	52.80	40.35	14.46	63.35	---	---
15	17538.00	48.30	-25.70	74.00	52.31	41.47	17.00	62.48	---	---
16	29760.00	51.16	-32.38	83.54	41.57	40.25	24.60	55.26	---	---

Mode :	Mode 4	Temperature :	20~23°C
Test Engineer :	Yu Wang	Relative Humidity :	50~55%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#7 is system simulator signal which can be ignored.		

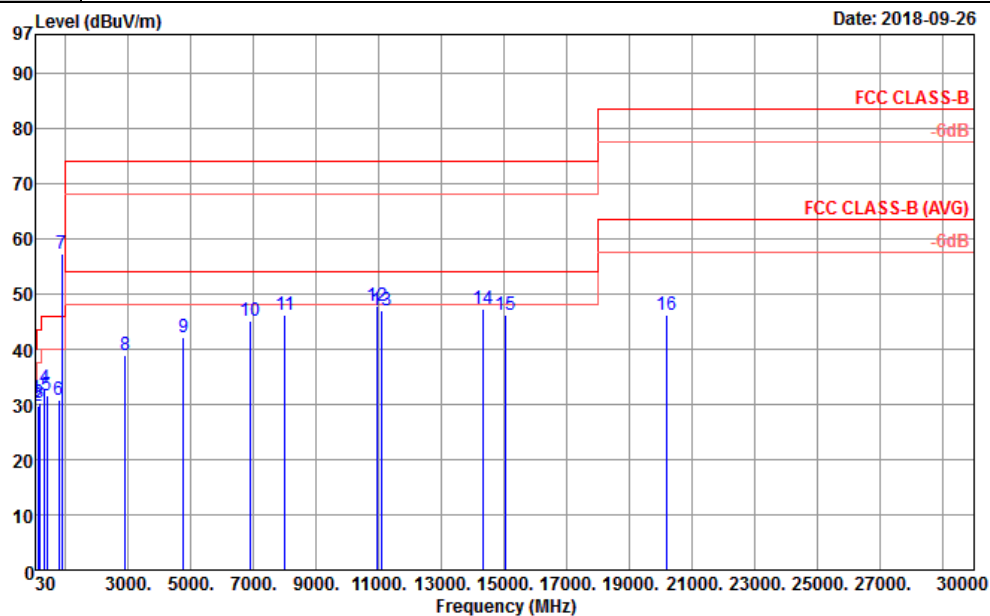


Site : 03CH10-HY
Condition : FCC CLASS-B 1m HORN_9170_40G_0584 HORIZONTAL
Power : DC12V

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.00	23.67	-16.33	40.00	31.20	24.57	0.60	32.78	---	---	Peak
2	163.92	26.42	-17.08	43.50	41.08	16.26	1.33	32.67	---	---	Peak
3	262.20	27.92	-18.08	46.00	38.76	19.64	1.72	32.61	---	---	Peak
4	335.00	32.67	-13.33	46.00	43.06	19.88	1.92	32.59	100	0	Peak
5	409.90	31.47	-14.53	46.00	39.36	22.18	2.11	32.60	---	---	Peak
6	773.20	30.68	-15.32	46.00	31.42	28.40	2.93	32.69	---	---	Peak
7 *	881.00	62.69			61.95	29.09	3.16	32.20	---	---	Peak
8	2828.00	39.87	-34.13	74.00	67.41	28.42	5.91	61.87	---	---	Peak
9	4778.00	43.62	-30.38	74.00	65.26	32.36	8.30	62.30	---	---	Peak
10	6632.00	46.73	-27.27	74.00	64.58	35.77	9.54	63.16	---	---	Peak
11	8020.00	47.79	-26.21	74.00	63.00	37.98	10.43	63.62	---	---	Peak
12	10972.00	49.73	-24.27	74.00	61.16	40.10	12.30	63.83	100	0	Peak
13	11688.00	47.92	-26.08	74.00	59.63	39.44	12.90	64.05	---	---	Peak
14	15000.00	47.10	-26.90	74.00	54.42	40.50	15.28	63.10	---	---	Peak
15	16926.00	46.93	-27.07	74.00	53.85	39.75	16.52	63.19	---	---	Peak
16	22848.00	47.83	-35.71	83.54	41.01	39.09	21.13	53.40	---	---	Peak



Mode :	Mode 4	Temperature :	20~23°C
Test Engineer :	Yu Wang	Relative Humidity :	50~55%
Test Distance :	3m	Polarization :	Vertical
Remark :	#7 is system simulator signal which can be ignored.		



Site : 03CH10-HY

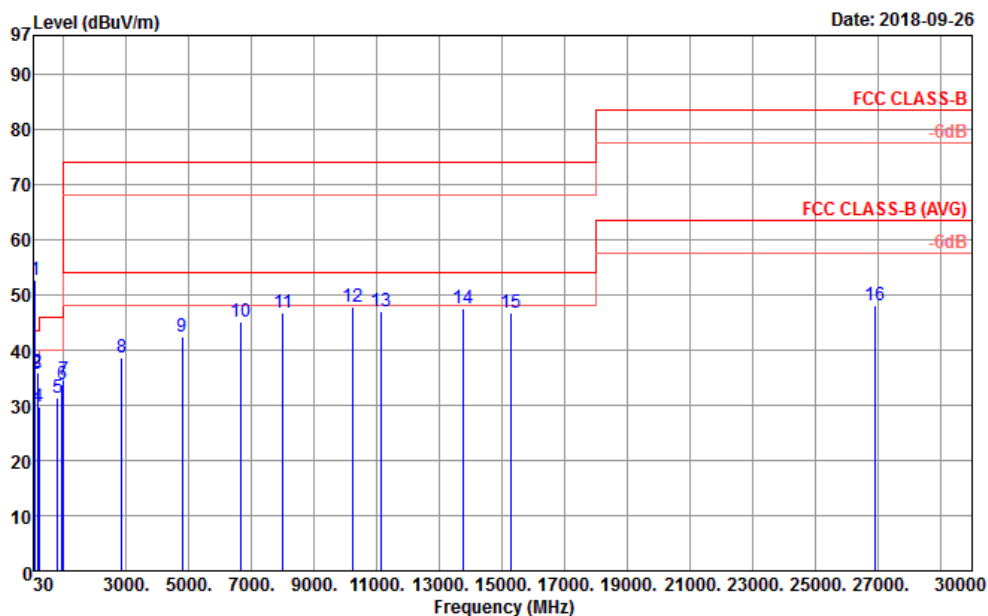
Condition : FCC CLASS-B 1m HORN_9170_40G_0584 VERTICAL

Power : DC12V

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor		
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	30.00	31.06	-8.94	40.00	38.59	24.57	0.60	32.78	100	0 Peak
2	120.72	29.59	-13.91	43.50	43.40	17.49	1.15	32.70	---	--- Peak
3	153.66	30.31	-13.19	43.50	44.32	16.94	1.33	32.67	---	--- Peak
4	334.30	33.04	-12.96	46.00	43.43	19.88	1.92	32.59	---	--- Peak
5	404.30	31.54	-14.46	46.00	39.70	21.92	2.11	32.60	---	--- Peak
6	769.00	30.88	-15.12	46.00	31.63	28.39	2.93	32.69	---	--- Peak
7 *	881.00	57.21			56.47	29.09	3.16	32.20	---	--- Peak
8	2894.00	39.04	-34.96	74.00	66.36	28.57	5.99	61.88	---	--- Peak
9	4750.00	42.03	-31.97	74.00	63.86	32.30	8.17	62.30	---	--- Peak
10	6874.00	45.05	-28.95	74.00	62.58	36.45	9.47	63.45	---	--- Peak
11	7998.00	46.17	-27.83	74.00	61.36	38.00	10.41	63.60	---	--- Peak
12	10930.00	47.90	-26.10	74.00	59.41	40.10	12.27	63.88	100	0 Peak
13	11094.00	47.00	-27.00	74.00	58.40	40.02	12.40	63.82	---	--- Peak
14	14340.00	47.26	-26.74	74.00	54.27	41.32	14.94	63.27	---	--- Peak
15	15054.00	46.31	-27.69	74.00	53.81	40.28	15.31	63.09	---	--- Peak
16	20208.00	46.12	-37.42	83.54	42.61	37.80	19.34	53.63	---	--- Peak



Mode :	Mode 5	Temperature :	20~23°C
Test Engineer :	Yu Wang	Relative Humidity :	50~55%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#1 is system simulator signal which can be ignored.		



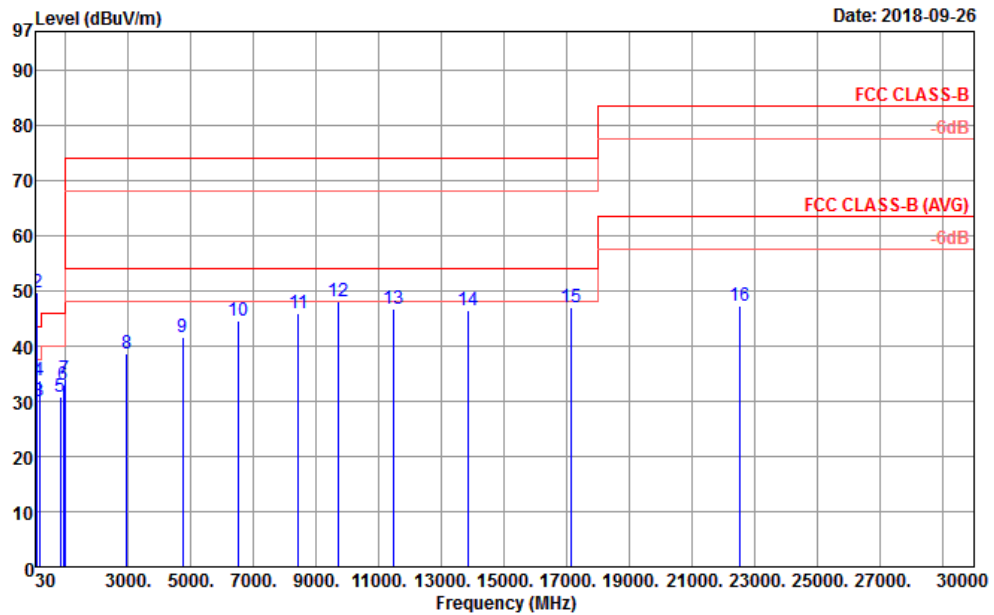
Site : 03CH10-HY

Condition : FCC CLASS-B 1m HORN_9170_40G_0584 HORIZONTAL

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 *	88.05	52.57			69.55	14.49	1.00	32.72	---	---	Peak
2	162.03	36.02	-7.48	43.50	50.49	16.45	1.33	32.67	100	0	Peak
3	168.51	35.70	-7.80	43.50	50.74	15.79	1.41	32.66	---	---	Peak
4	201.72	29.61	-13.89	43.50	45.32	15.00	1.55	32.64	---	---	Peak
5	800.50	31.32	-14.68	46.00	31.97	28.36	3.00	32.65	---	---	Peak
6	945.40	33.66	-12.34	46.00	30.69	30.46	3.29	31.58	---	---	Peak
7	992.30	34.48	-19.52	54.00	30.77	30.58	3.37	31.05	---	---	Peak
8	2844.00	38.69	-35.31	74.00	66.16	28.46	5.94	61.87	---	---	Peak
9	4772.00	42.49	-31.51	74.00	64.15	32.34	8.30	62.30	---	---	Peak
10	6676.00	45.10	-28.90	74.00	62.95	35.89	9.47	63.21	---	---	Peak
11	8008.00	46.81	-27.19	74.00	62.00	37.99	10.43	63.61	---	---	Peak
12	10208.00	47.85	-26.15	74.00	61.14	39.69	11.65	64.63	100	0	Peak
13	11124.00	46.91	-27.09	74.00	58.31	40.00	12.42	63.82	---	---	Peak
14	13740.00	47.56	-26.44	74.00	55.92	40.38	14.56	63.30	---	---	Peak
15	15276.00	46.83	-27.17	74.00	55.10	39.34	15.43	63.04	---	---	Peak
16	26892.00	48.13	-35.41	83.54	38.64	40.14	22.45	53.10	---	---	Peak

Mode :	Mode 5	Temperature :	20~23°C
Test Engineer :	Yu Wang	Relative Humidity :	50~55%
Test Distance :	3m	Polarization :	Vertical
Remark :	#2 is system simulator signal which can be ignored.		

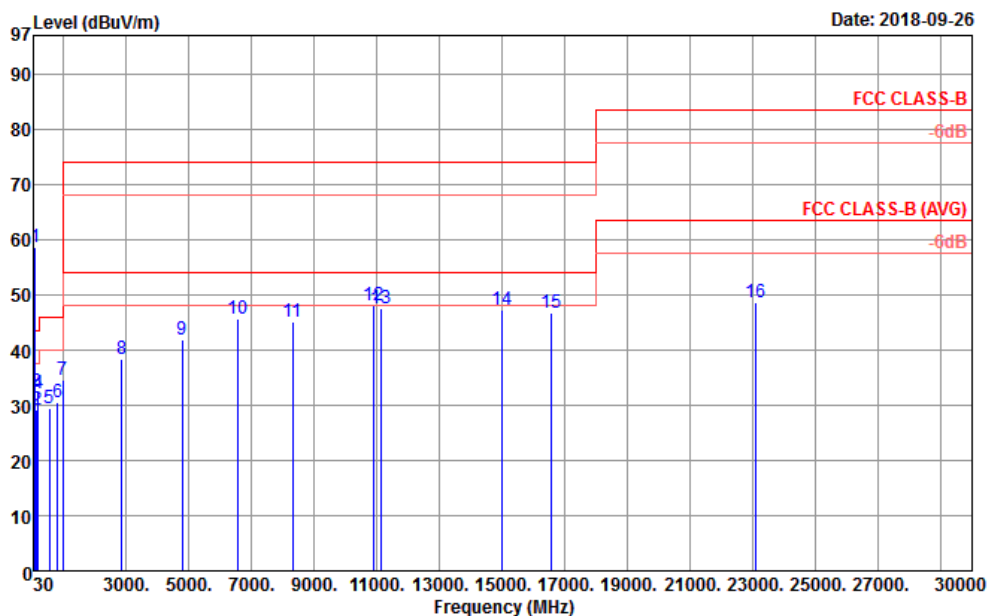


Site : 03CH10-HY
Condition : FCC CLASS-B 1m HORN_9170_40G_0584 VERTICAL
Power : 120Vac/60Hz

	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	43.23	33.73	-6.27	40.00	48.22	17.38	0.78	32.77	100	0 Peak
2 *	88.05	49.77			66.75	14.49	1.00	32.72	---	---
3	151.50	30.12	-13.38	43.50	44.07	17.01	1.33	32.67	---	---
4	159.87	33.74	-9.76	43.50	48.01	16.65	1.33	32.67	---	---
5	818.00	30.82	-15.18	46.00	31.51	28.17	3.04	32.55	---	---
6	918.10	32.84	-13.16	46.00	31.47	29.29	3.22	31.89	---	---
7	962.20	34.09	-19.91	54.00	30.25	31.10	3.32	31.39	---	---
8	2954.00	38.60	-35.40	74.00	65.70	28.70	6.09	61.89	---	---
9	4738.00	41.64	-32.36	74.00	63.62	32.28	8.04	62.30	---	---
10	6496.00	44.60	-29.40	74.00	62.69	35.38	9.53	63.00	---	---
11	8436.00	45.84	-28.16	74.00	61.58	37.48	10.82	64.04	---	---
12	9684.00	47.97	-26.03	74.00	62.15	39.08	11.48	64.74	100	0 Peak
13	11442.00	46.64	-27.36	74.00	58.09	39.75	12.69	63.89	---	---
14	13836.00	46.44	-27.56	74.00	54.58	40.50	14.63	63.27	---	---
15	17148.00	46.88	-27.12	74.00	52.48	40.62	16.70	62.92	---	---
16	22536.00	47.42	-36.12	83.54	41.03	38.65	21.14	53.40	---	---



Mode :	Mode 6	Temperature :	20~23°C
Test Engineer :	Yu Wang	Relative Humidity :	50~55%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#1 is system simulator signal which can be ignored.		

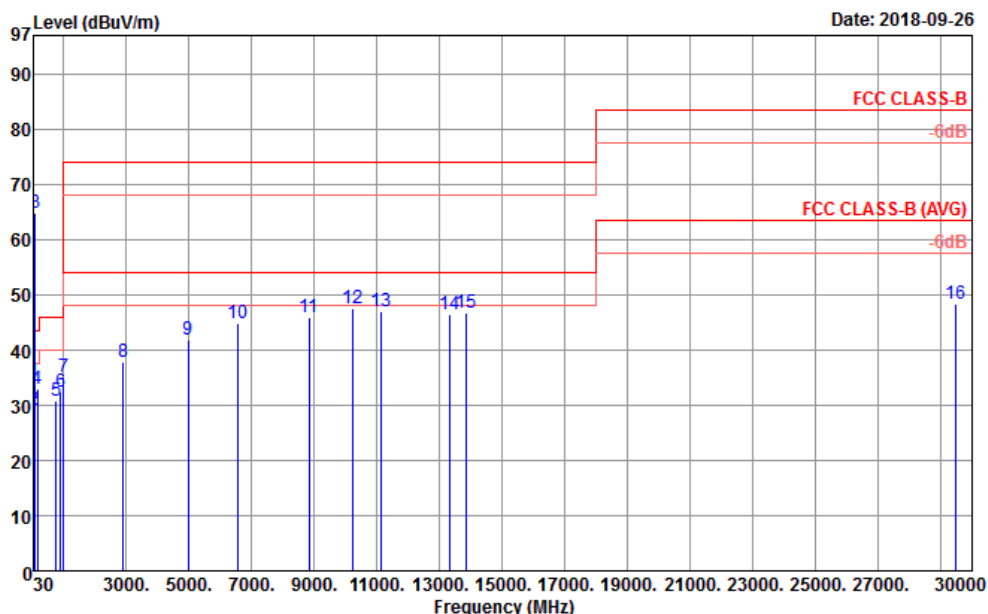


Site : 03CH10-HY
Condition : FCC CLASS-B 1m HORN_9170_40G_0584 HORIZONTAL
Power : 120Vac/60Hz

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 *	98.04	58.60			74.33	15.69	1.05	32.71	---	---	Peak
2	143.94	29.16	-14.34	43.50	42.91	17.34	1.24	32.68	---	---	Peak
3	160.14	32.55	-10.95	43.50	46.82	16.65	1.33	32.67	100	0	Peak
4	174.99	32.18	-11.32	43.50	47.62	15.38	1.41	32.66	---	---	Peak
5	533.80	29.55	-16.45	46.00	35.14	24.12	2.43	32.70	---	---	Peak
6	811.00	30.51	-15.49	46.00	31.22	28.24	3.00	32.59	---	---	Peak
7	962.90	34.46	-19.54	54.00	30.62	31.09	3.32	31.38	---	---	Peak
8	2844.00	38.32	-35.68	74.00	65.79	28.46	5.94	61.87	---	---	Peak
9	4784.00	41.85	-32.15	74.00	63.35	32.37	8.43	62.30	---	---	Peak
10	6574.00	45.72	-28.28	74.00	63.65	35.61	9.55	63.09	---	---	Peak
11	8320.00	45.16	-28.84	74.00	60.84	37.62	10.62	63.92	---	---	Peak
12	10880.00	47.96	-26.04	74.00	59.58	40.10	12.22	63.94	100	0	Peak
13	11136.00	47.48	-26.52	74.00	58.89	39.99	12.43	63.83	---	---	Peak
14	15012.00	47.22	-26.78	74.00	54.53	40.50	15.29	63.10	---	---	Peak
15	16554.00	46.82	-27.18	74.00	55.31	38.91	16.24	63.64	---	---	Peak
16	23112.00	48.57	-34.97	83.54	41.40	39.37	21.13	53.33	---	---	Peak



Mode :	Mode 6	Temperature :	20~23°C
Test Engineer :	Yu Wang	Relative Humidity :	50~55%
Test Distance :	3m	Polarization :	Vertical
Remark :	#3 is system simulator signal which can be ignored.		



Site : 03CH10-HY

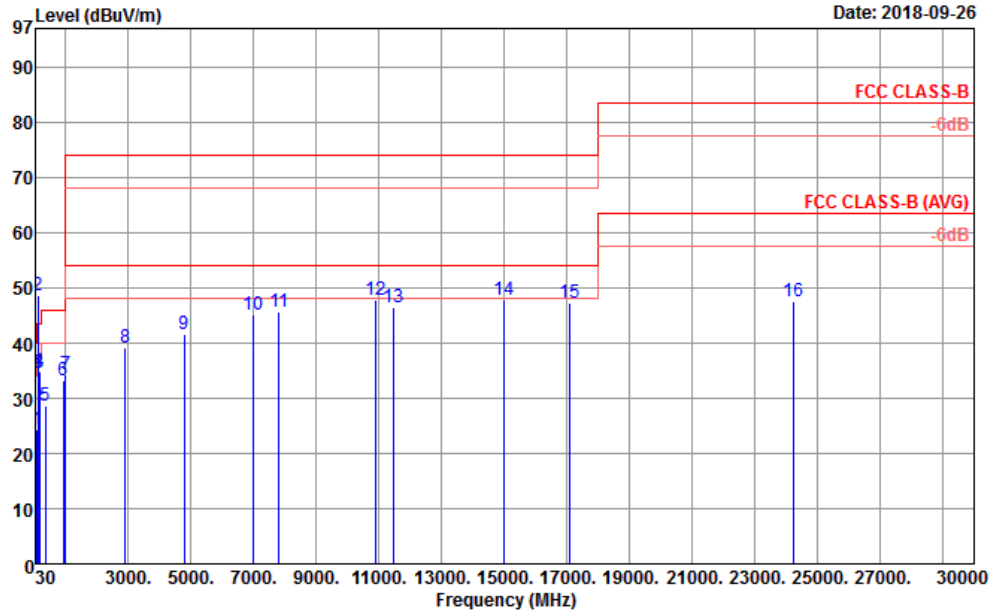
Condition : FCC CLASS-B 1m HORN_9170_40G_0584 VERTICAL

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	42.96	33.96	-6.04	40.00	47.93	17.90	0.78	32.77	100	0 Peak
2	46.74	29.28	-10.72	40.00	45.10	16.03	0.78	32.76	---	---
3 *	98.04	64.79			80.52	15.69	1.05	32.71	---	---
4	158.79	32.85	-10.65	43.50	47.08	16.69	1.33	32.67	---	---
5	750.80	30.92	-15.08	46.00	31.86	28.27	2.90	32.71	---	---
6	890.80	32.30	-13.70	46.00	31.52	29.03	3.19	32.14	---	---
7	992.30	35.18	-18.82	54.00	31.47	30.58	3.37	31.05	---	---
8	2912.00	37.93	-36.07	74.00	65.19	28.61	6.01	61.88	---	---
9	4980.00	41.85	-32.15	74.00	63.05	32.76	8.34	62.30	---	---
10	6562.00	44.82	-29.18	74.00	62.77	35.57	9.55	63.07	---	---
11	8842.00	46.05	-27.95	74.00	62.21	37.61	10.74	64.51	---	---
12	10228.00	47.43	-26.57	74.00	60.65	39.72	11.68	64.62	100	0 Peak
13	11142.00	47.10	-26.90	74.00	58.51	39.99	12.43	63.83	---	---
14	13314.00	46.41	-27.59	74.00	55.76	39.80	14.21	63.36	---	---
15	13848.00	46.82	-27.18	74.00	54.92	40.52	14.64	63.26	---	---
16	29472.00	48.29	-35.25	83.54	38.52	40.31	24.45	54.99	---	---



Mode :	Mode 7	Temperature :	20~23°C
Test Engineer :	Yu Wang	Relative Humidity :	50~55%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#2 is system simulator signal which can be ignored.		

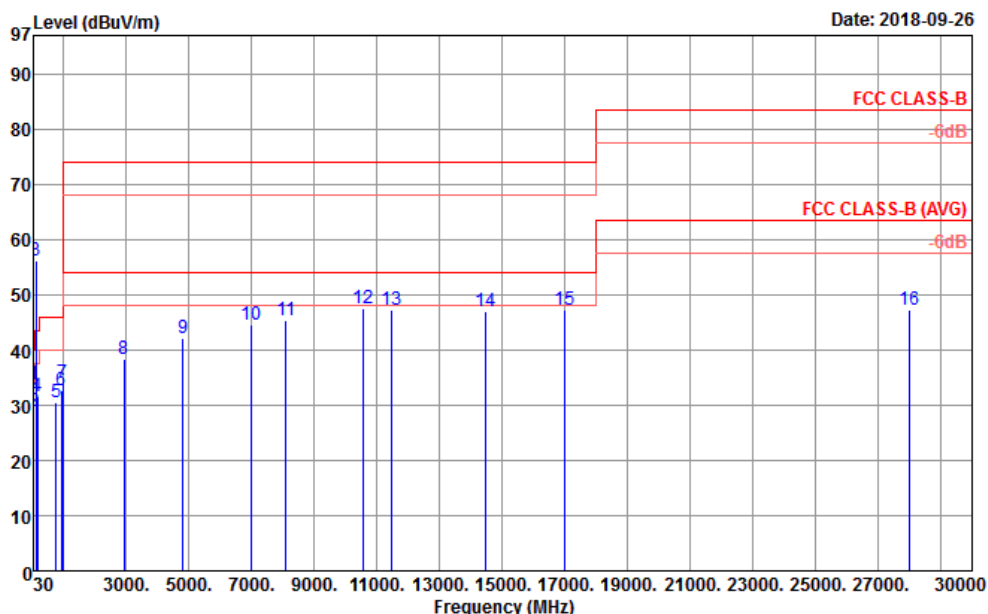


Site : 03CH10-HY
Condition : FCC CLASS-B 1m HORN_9170_40G_0584 HORIZONTAL
Power : 120Vac/60Hz

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	86.16	24.45	-15.55	40.00	41.76	14.16	1.00	32.72	---	Peak
2 *	108.03	48.58			63.24	16.75	1.05	32.70	---	Peak
3	159.87	34.49	-9.01	43.50	48.76	16.65	1.33	32.67	---	Peak
4	169.59	34.84	-8.66	43.50	49.97	15.70	1.41	32.66	100	0 Peak
5	356.00	28.73	-17.27	46.00	38.41	20.54	1.97	32.60	---	Peak
6	932.10	33.22	-12.78	46.00	31.08	29.84	3.26	31.73	---	Peak
7	989.50	34.26	-19.74	54.00	30.53	30.66	3.34	31.08	---	Peak
8	2896.00	39.12	-34.88	74.00	66.44	28.57	5.99	61.88	---	Peak
9	4784.00	41.62	-32.38	74.00	63.12	32.37	8.43	62.30	---	Peak
10	6972.00	45.11	-28.89	74.00	62.28	36.72	9.68	63.57	---	Peak
11	7812.00	45.55	-28.45	74.00	61.22	37.81	10.16	63.64	---	Peak
12	10896.00	47.76	-26.24	74.00	59.34	40.10	12.24	63.92	100	0 Peak
13	11444.00	46.50	-27.50	74.00	57.96	39.74	12.69	63.89	---	Peak
14	14988.00	47.70	-26.30	74.00	54.98	40.54	15.28	63.10	---	Peak
15	17070.00	47.38	-26.62	74.00	53.55	40.22	16.63	63.02	---	Peak
16	24216.00	47.50	-36.04	83.54	39.67	40.10	21.14	53.41	---	Peak



Mode :	Mode 7	Temperature :	20~23°C
Test Engineer :	Yu Wang	Relative Humidity :	50~55%
Test Distance :	3m	Polarization :	Vertical
Remark :	#3 is system simulator signal which can be ignored.		



Site : 03CH10-HY

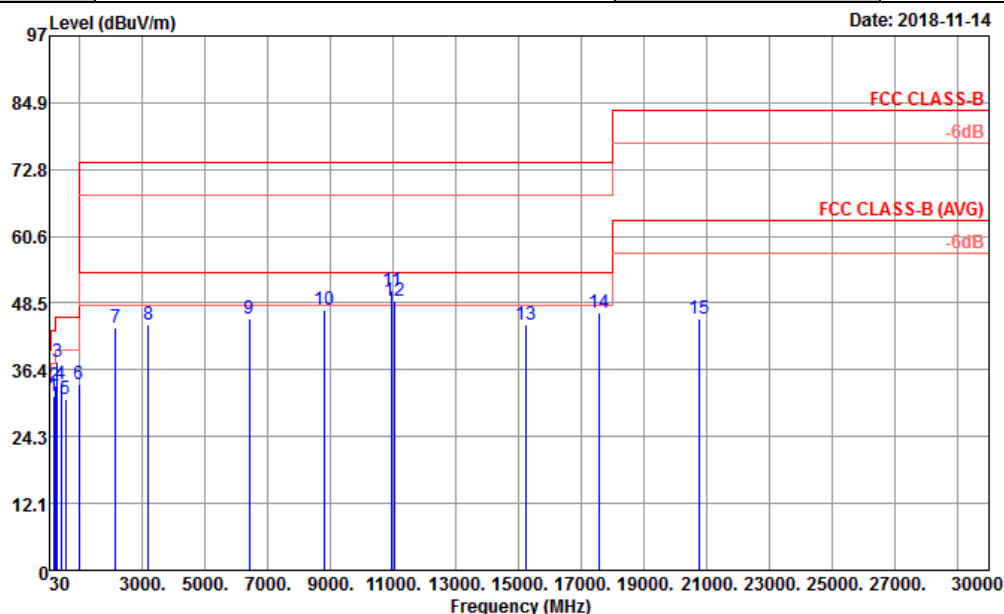
Condition : FCC CLASS-B 1m HORN_9170_40G_0584 VERTICAL

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	42.69	33.68	-6.32	40.00	47.65	17.90	0.78	32.77	100	0 Peak
2	46.74	28.93	-11.07	40.00	44.75	16.03	0.78	32.76	---	---
3 *	108.03	56.14			70.80	16.75	1.05	32.70	---	---
4	159.06	31.59	-11.91	43.50	45.82	16.69	1.33	32.67	---	---
5	766.20	30.61	-15.39	46.00	31.38	28.38	2.93	32.69	---	---
6	913.90	32.57	-13.43	46.00	31.34	29.20	3.22	31.93	---	---
7	970.60	33.98	-20.02	54.00	30.13	31.01	3.32	31.29	---	---
8	2932.00	38.28	-35.72	74.00	65.48	28.65	6.04	61.89	---	---
9	4818.00	42.23	-31.77	74.00	63.67	32.44	8.42	62.30	---	---
10	6966.00	44.53	-29.47	74.00	61.71	36.70	9.68	63.56	---	---
11	8088.00	45.50	-28.50	74.00	60.87	37.89	10.43	63.69	---	---
12	10538.00	47.50	-26.50	74.00	59.82	40.10	11.93	64.35	100	0 Peak
13	11460.00	47.25	-26.75	74.00	58.70	39.73	12.71	63.89	---	---
14	14448.00	47.07	-26.93	74.00	53.86	41.51	14.99	63.29	---	---
15	16992.00	47.40	-26.60	74.00	54.03	39.90	16.58	63.11	---	---
16	27984.00	47.36	-36.18	83.54	37.74	39.70	23.71	53.79	---	---



Mode :	Mode 8	Temperature :	20~23°C
Test Engineer :	Yu Wang	Relative Humidity :	50~55%
Test Distance :	3m	Polarization :	Horizontal



Site : 03CH10-HY

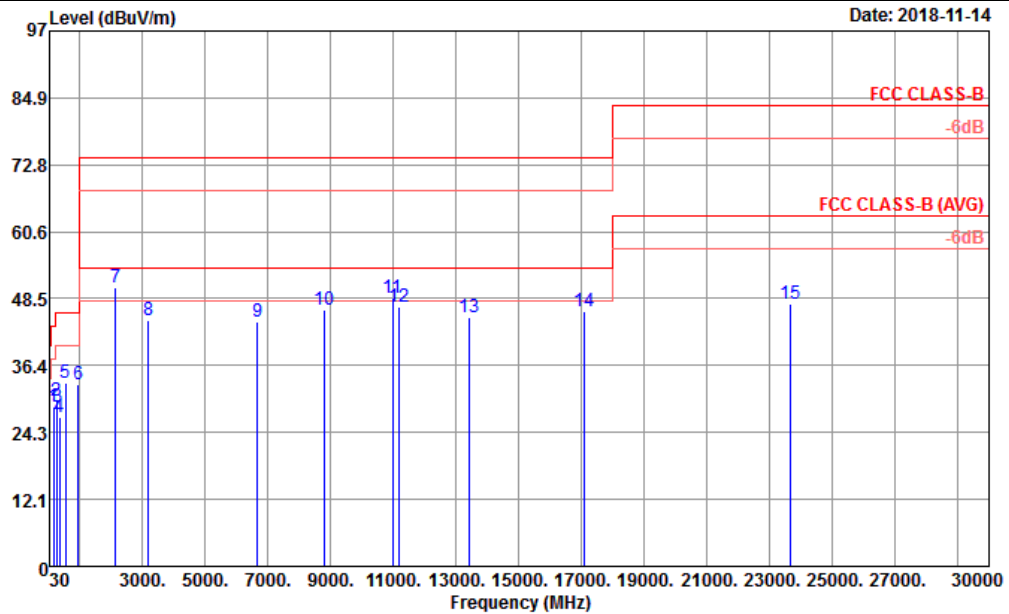
Condition : FCC CLASS-B 1m HORN_9170_406_0584 HORIZONTAL

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	162.84	31.71	-11.79	43.50	46.65	16.33	1.35	32.62	---	Peak
2	200.10	33.62	-9.88	43.50	49.71	15.02	1.48	32.59	---	Peak
3	280.56	37.75	-8.25	46.00	49.80	18.69	1.87	32.61	100	0 Peak
4	387.50	33.81	-12.19	46.00	42.85	21.38	2.20	32.62	---	Peak
5	532.40	31.03	-14.97	46.00	37.01	24.08	2.61	32.67	---	Peak
6	960.80	33.73	-20.27	54.00	30.28	31.14	3.53	31.22	---	Peak
7	2132.00	43.99	-30.01	74.00	72.22	27.18	6.32	61.73	---	Peak
8	3196.00	44.56	-29.44	74.00	70.06	28.61	7.91	62.02	---	Peak
9	6398.00	45.61	-28.39	74.00	64.97	33.69	9.93	62.98	---	Peak
10	8788.00	47.19	-26.81	74.00	62.19	37.68	11.77	64.45	---	Peak
11	10950.00	50.78	-23.22	74.00	61.41	40.05	13.18	63.86	100	0 Peak
12	11034.00	48.91	-25.09	74.00	59.54	39.93	13.25	63.81	---	Peak
13	15210.00	44.59	-29.41	74.00	52.80	39.45	15.40	63.06	---	Peak
14	17580.00	46.74	-27.26	74.00	50.42	41.76	17.03	62.47	---	Peak
15	20736.00	45.66	-37.88	83.54	41.24	37.89	19.88	53.35	---	Peak



Mode :	Mode 8	Temperature :	20~23°C
Test Engineer :	Yu Wang	Relative Humidity :	50~55%
Test Distance :	3m	Polarization :	Vertical

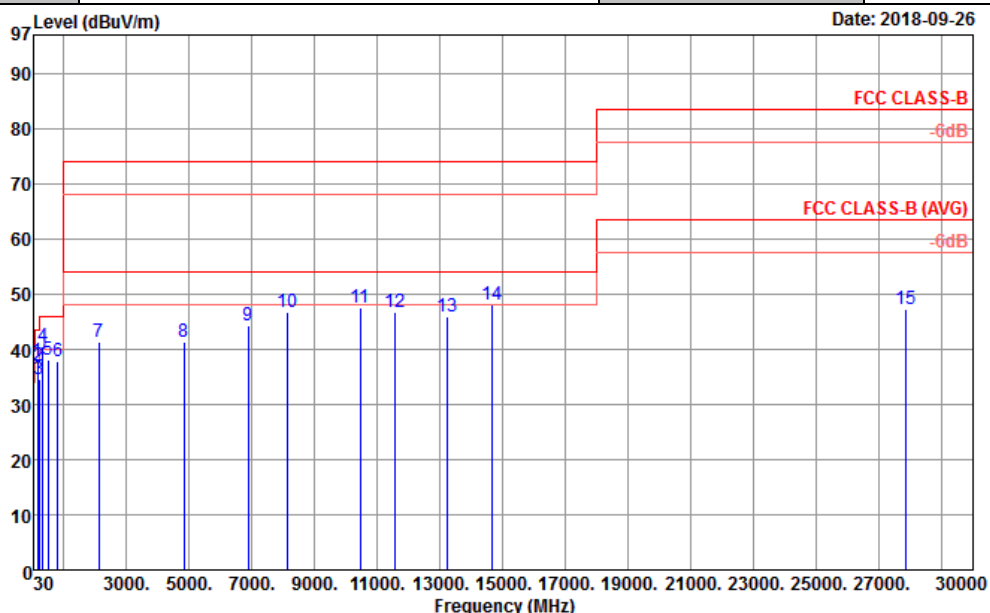


Site : 03CH10-HY
Condition : FCC CLASS-B 1m HORN_9170_40G_0584 VERTICAL
Power : From System

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	165.00	28.94	-14.56	43.50	44.04	16.15	1.37	32.62	---	Peak
2	254.37	29.95	-16.05	46.00	41.81	18.96	1.78	32.60	---	Peak
3	285.96	29.03	-16.97	46.00	40.87	18.88	1.89	32.61	---	Peak
4	361.60	26.95	-19.05	46.00	36.80	20.72	2.05	32.62	---	Peak
5	532.40	33.13	-12.87	46.00	39.11	24.08	2.61	32.67	100	0 Peak
6	944.70	33.05	-12.95	46.00	30.36	30.57	3.50	31.38	---	Peak
7	2134.00	50.50	-23.50	74.00	78.69	27.21	6.33	61.73	100	0 Peak
8	3198.00	44.56	-29.44	74.00	70.07	28.60	7.91	62.02	---	Peak
9	6664.00	44.21	-29.79	74.00	62.72	34.36	10.33	63.20	---	Peak
10	8774.00	46.47	-27.53	74.00	61.50	37.65	11.75	64.43	---	Peak
11	10978.00	48.64	-25.36	74.00	59.19	40.08	13.20	63.83	---	Peak
12	11178.00	47.08	-26.92	74.00	58.12	39.44	13.36	63.84	---	Peak
13	13398.00	45.20	-28.80	74.00	54.51	39.79	14.28	63.38	---	Peak
14	17100.00	46.17	-27.83	74.00	52.69	39.80	16.66	62.98	---	Peak
15	23664.00	47.66	-35.88	83.54	40.11	39.67	21.11	53.23	---	Peak



Mode :	Mode 9	Temperature :	20~23°C
Test Engineer :	Yu Wang	Relative Humidity :	50~55%
Test Distance :	3m	Polarization :	Horizontal



Site : 03CH10-HY

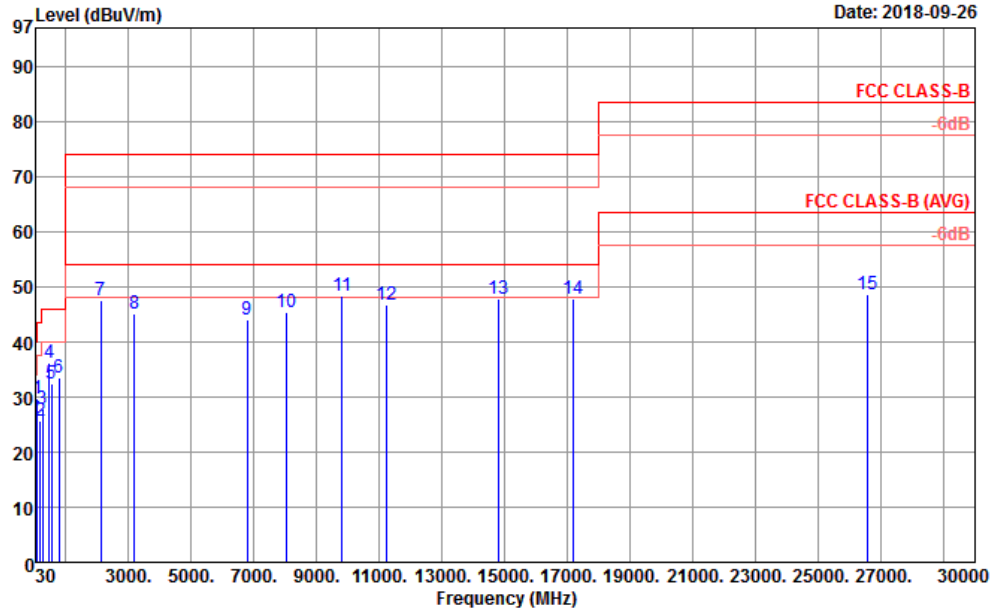
Condition : FCC CLASS-B 1m HORN_9170_406_0584 HORIZONTAL

Power : From System

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	163.92	37.80	-5.70	43.50	52.46	16.26	1.33	32.67	---	---	Peak
2	174.99	37.09	-6.41	43.50	52.53	15.38	1.41	32.66	---	---	Peak
3	200.10	34.60	-8.90	43.50	50.40	14.97	1.49	32.64	---	---	Peak
4	316.10	40.48	-5.52	46.00	51.38	19.41	1.88	32.59	100	0	Peak
5	487.60	37.99	-8.01	46.00	44.16	23.67	2.32	32.64	---	---	Peak
6	799.80	37.85	-8.15	46.00	38.50	28.36	3.00	32.65	---	---	Peak
7	2126.00	41.42	-32.58	74.00	71.37	26.73	5.05	61.73	---	---	Peak
8	4834.00	41.37	-32.63	74.00	62.79	32.47	8.41	62.30	---	---	Peak
9	6880.00	44.34	-29.66	74.00	61.87	36.46	9.47	63.46	---	---	Peak
10	8122.00	46.67	-27.33	74.00	62.12	37.85	10.42	63.72	---	---	Peak
11	10450.00	47.46	-26.54	74.00	60.01	40.03	11.86	64.44	---	---	Peak
12	11538.00	46.80	-27.20	74.00	58.31	39.65	12.77	63.93	---	---	Peak
13	13206.00	45.98	-28.02	74.00	55.56	39.63	14.13	63.34	---	---	Peak
14	14676.00	48.02	-25.98	74.00	54.90	41.23	15.12	63.23	100	0	Peak
15	27840.00	47.24	-36.30	83.54	37.66	39.73	23.55	53.70	---	---	Peak



Mode :	Mode 9	Temperature :	20~23°C
Test Engineer :	Yu Wang	Relative Humidity :	50~55%
Test Distance :	3m	Polarization :	Vertical



Site : 03CH10-HY
Condition : FCC CLASS-B 1m HORN_9170_40G_0584 VERTICAL
Power : From System

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Preamp	A/Pos	T/Pos	Remark		
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	86.16	29.62	-10.38	40.00	46.93	14.16	1.00	32.72	---	---	Peak
2	177.42	25.66	-17.84	43.50	41.24	15.24	1.41	32.66	---	---	Peak
3	254.10	27.72	-18.28	46.00	39.25	19.00	1.66	32.61	---	---	Peak
4	475.70	36.11	-9.89	46.00	42.47	23.48	2.32	32.63	100	0	Peak
5	533.80	32.52	-13.48	46.00	38.11	24.12	2.43	32.70	---	---	Peak
6	773.90	33.54	-12.46	46.00	34.27	28.40	2.93	32.68	---	---	Peak
7	2124.00	47.44	-26.56	74.00	77.39	26.72	5.05	61.72	---	---	Peak
8	3192.00	45.06	-28.94	74.00	71.73	28.95	6.40	62.02	---	---	Peak
9	6776.00	43.99	-30.01	74.00	61.79	36.17	9.36	63.33	---	---	Peak
10	8026.00	45.33	-28.67	74.00	60.56	37.97	10.43	63.63	---	---	Peak
11	9814.00	48.25	-25.75	74.00	61.89	39.21	11.91	64.76	100	0	Peak
12	11234.00	46.62	-27.38	74.00	58.05	39.91	12.51	63.85	---	---	Peak
13	14796.00	47.81	-26.19	74.00	54.87	40.94	15.18	63.18	---	---	Peak
14	17184.00	47.86	-26.14	74.00	53.23	40.78	16.73	62.88	---	---	Peak
15	26568.00	48.62	-34.92	83.54	39.70	39.94	22.08	53.10	---	---	Peak

—————THE END—————