



# FCC EMI TEST REPORT

**FCC ID** : PY7-57442Y  
**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. 30, 2018 and testing was started from Sep. 14, 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
FC882920-01	01	Initial issue of report	Dec. 14, 2018
FC882920-01	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 6.39 dB at 0.191 MHz
3.2	15.109	Radiated Emission	Pass	Under limit 4.09 dB at 600.300 MHz for Quasi-Peak

**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	
<b>Antenna Type</b>	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	CQ30015X2P	Conducted Emission
		CQ3001BNJT	Radiated Emission

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

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

<b>Test Site</b>	SPORTON INTERNATIONAL INC.
<b>Test Site Location</b>	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
<b>Test Site No.</b>	<b>Sporton Site No.</b>
	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).

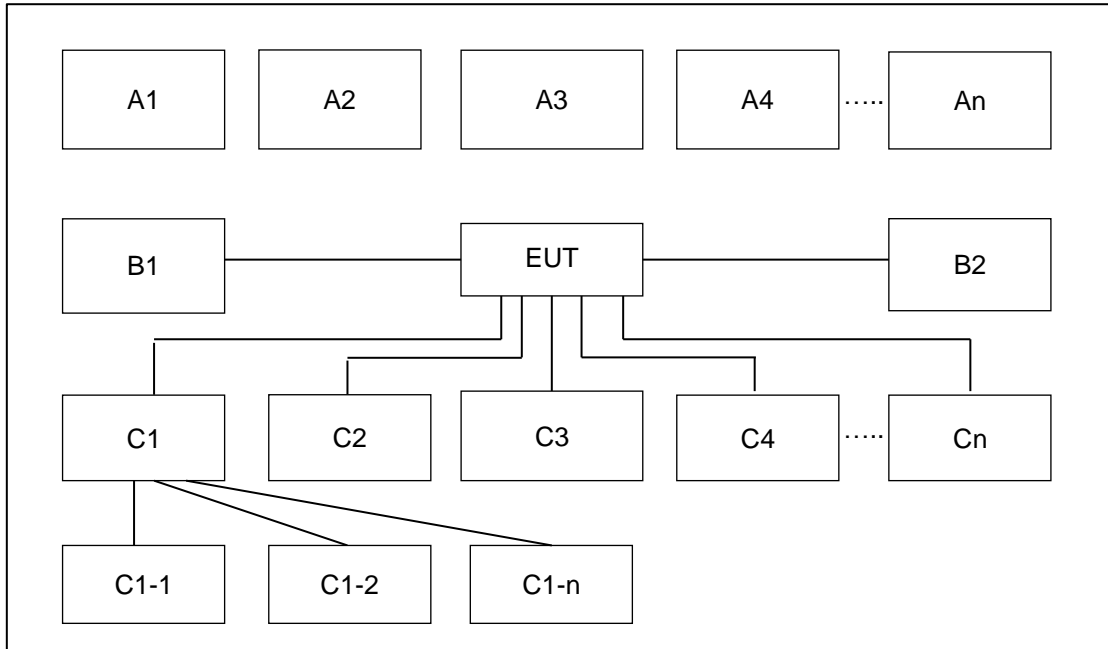
For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X plane) were recorded in this report.

Test Items	Function Type
<b>AC Conducted Emission</b>	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
<b>Radiated Emissions</b>	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
<p><b>Remark:</b></p> <ol style="list-style-type: none"> <li>1. Data Linking with Notebook means data application transferred mode between EUT and Notebook.</li> <li>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.</li> </ol>	



## 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.

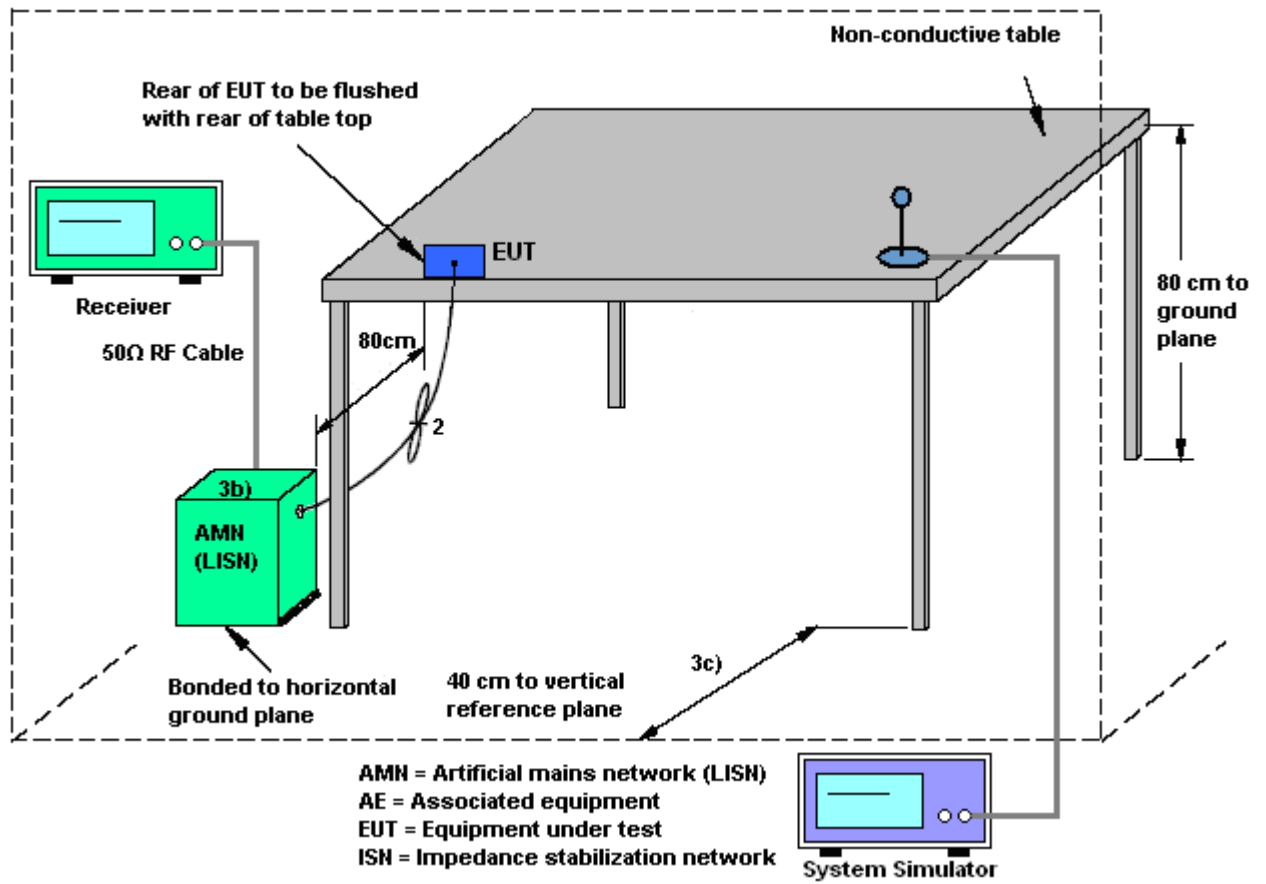
##### 3.1.2 Measuring Instruments

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

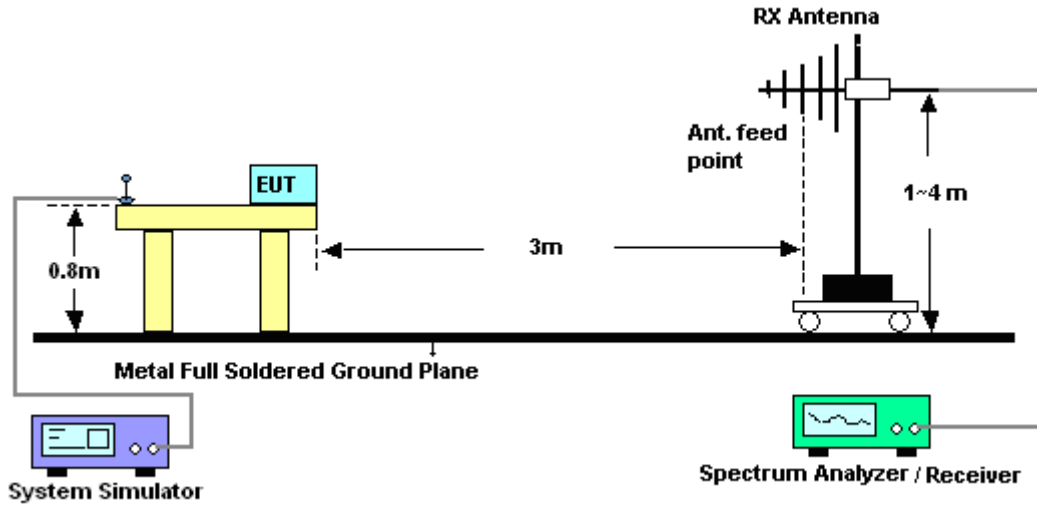
Refer a test equipment and calibration data table in this test report.

#### 3.2.3. Test Procedures

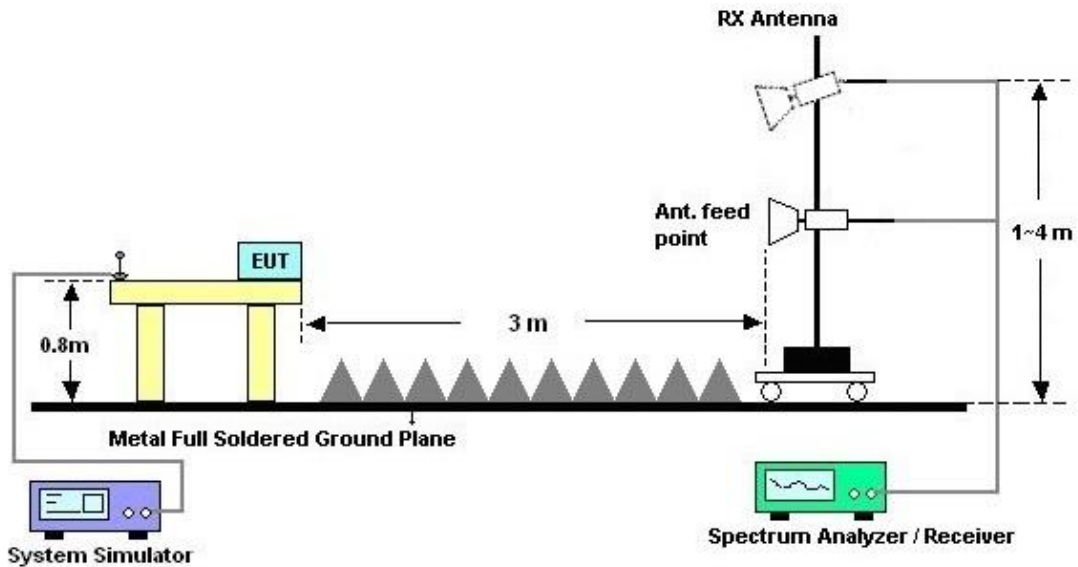
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna 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. 14, 2018~ Dec. 13, 2018	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Dec. 08, 2017	Sep. 14, 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. 14, 2018~ Dec. 13, 2018	Mar. 05, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 30, 2017	Sep. 14, 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. 14, 2018~ Dec. 13, 2018	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 03, 2018	Sep. 14, 2018~ Dec. 13, 2018	Jan. 02, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 03, 2018	Sep. 14, 2018~ Dec. 13, 2018	Jan. 02, 2019	Conduction (CO05-HY)
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Oct. 19, 2017	Sep. 15, 2018~ Sep. 20, 2018	Oct. 18, 2018	Radiation (03CH10-HY)
Amplifier	SONOMA	310N	187231	9kHz~1GHz	Jan. 08, 2018	Nov. 11, 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. 15, 2018~ Dec. 11, 2018	Dec. 17, 2018	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-132 5	1GHz ~ 18GHz	Sep. 27, 2017	Sep. 15, 2018~ Sep. 20, 2018	Sep. 26, 2018	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-132 5	1GHz ~ 18GHz	Oct. 02, 2018	Nov. 11, 2018~ Dec. 11, 2018	Oct. 01, 2019	Radiation (03CH10-HY)
Preamplifier	Jet-Power	JAP00101800 -30-10P	160118550 004	1GHz~18GHz	Apr. 17, 2018	Sep. 15, 2018~ Dec. 11, 2018	Apr. 16, 2019	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY542004 85	10Hz ~ 44GHz	Oct. 31, 2017	Sep. 15, 2018~ Sep. 20, 2018	Oct. 30, 2018	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY542004 85	10Hz ~ 44GHz	Nov. 02, 2018	Nov. 11, 2018~ Dec. 11, 2018	Nov. 01, 2019	Radiation (03CH10-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Sep. 15, 2018~ Dec. 11, 2018	N/A	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500- B	N/A	1~4m	N/A	Sep. 15, 2018~ Dec. 11, 2018	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	Sep. 15, 2018~ Dec. 11, 2018	N/A	Radiation (03CH10-HY)
Software	Audix	E3 6.2009-8-24	RK-00104 2	N/A	N/A	Sep. 15, 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. 15, 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. 15, 2018~ Nov. 12, 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	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. 15, 2018~ Nov. 12, 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	Dec. 11, 2018	Nov. 07, 2019	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Oct. 17, 2017	Sep. 15, 2018~ Sep. 20, 2018	Oct. 16, 2018	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Oct. 16, 2018	Nov. 11, 2018~ Dec. 11, 2018	Oct. 15, 2019	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30M~40GHz	Oct. 17, 2017	Sep. 15, 2018~ Sep. 20, 2018	Oct. 16, 2018	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30M~40GHz	Oct. 16, 2018	Nov. 11, 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. 15, 2018~ Nov. 12, 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. 15, 2018~ Nov. 12, 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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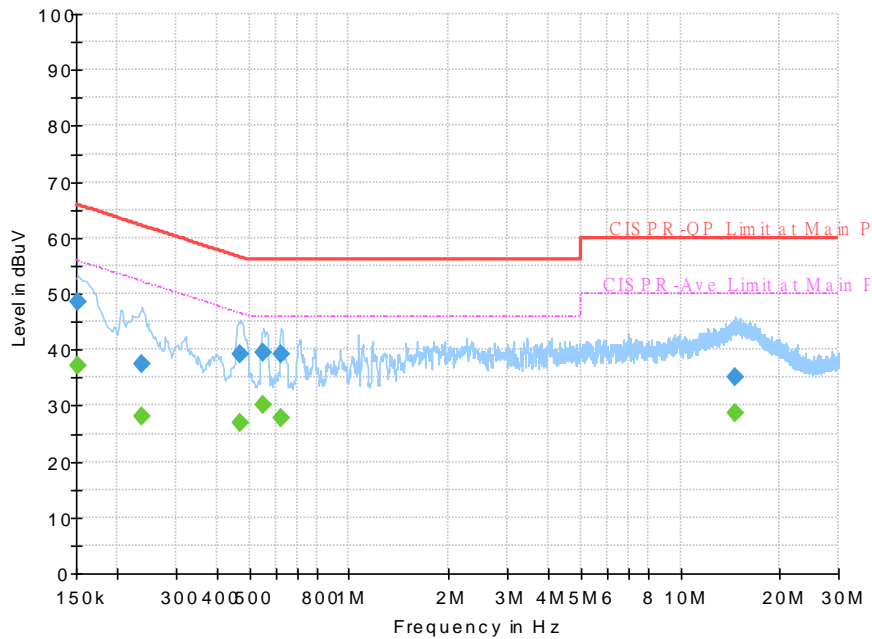
### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

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 :	50~54%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

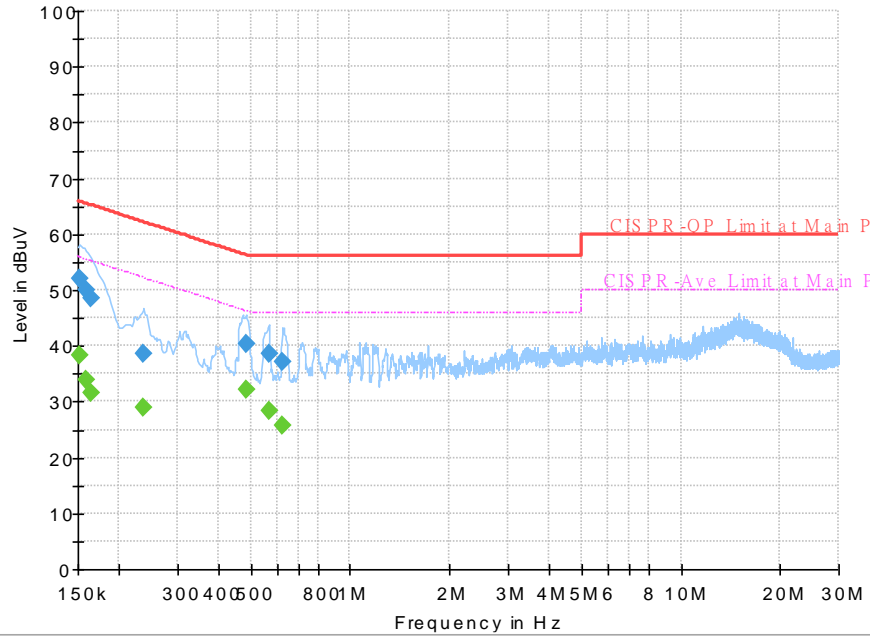


### Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	37.20	55.88	18.68	L1	OFF	19.5
0.152250	48.41	---	65.88	17.47	L1	OFF	19.5
0.237750	---	28.13	52.17	24.04	L1	OFF	19.5
0.237750	37.34	---	62.17	24.83	L1	OFF	19.5
0.469500	---	26.86	46.52	19.66	L1	OFF	19.5
0.469500	39.26	---	56.52	17.26	L1	OFF	19.5
0.552750	---	30.14	46.00	15.86	L1	OFF	19.5
0.552750	39.59	---	56.00	16.41	L1	OFF	19.5
0.622500	---	27.77	46.00	18.23	L1	OFF	19.6
0.622500	39.18	---	56.00	16.82	L1	OFF	19.6
14.709750	---	28.80	50.00	21.20	L1	OFF	20.1
14.709750	35.05	---	60.00	24.95	L1	OFF	20.1



<b>Test Mode :</b>	Mode 1	<b>Temperature :</b>	24~26°C
<b>Test Engineer :</b>	Jimmy Chang	<b>Relative Humidity :</b>	50~54%
<b>Test Voltage :</b>	120Vac / 60Hz	<b>Phase :</b>	Neutral
<b>Remark :</b>	All emissions not reported here are more than 10 dB below the prescribed limit.		

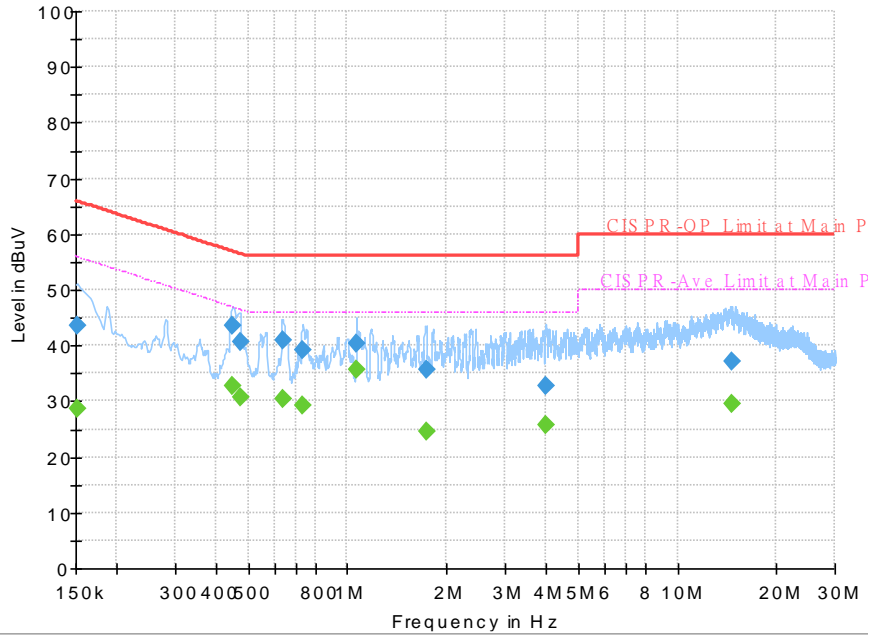


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	38.27	55.88	17.61	N	OFF	19.5
0.152250	51.95	---	65.88	13.93	N	OFF	19.5
0.159000	---	33.99	55.52	21.53	N	OFF	19.5
0.159000	50.13	---	65.52	15.39	N	OFF	19.5
0.163500	---	31.48	55.28	23.80	N	OFF	19.5
0.163500	48.65	---	65.28	16.63	N	OFF	19.5
0.237750	---	28.96	52.17	23.21	N	OFF	19.5
0.237750	38.47	---	62.17	23.70	N	OFF	19.5
0.483000	---	32.14	46.29	14.15	N	OFF	19.5
0.483000	40.35	---	56.29	15.94	N	OFF	19.5
0.566250	---	28.49	46.00	17.51	N	OFF	19.5
0.566250	38.53	---	56.00	17.47	N	OFF	19.5
0.622500	---	25.81	46.00	20.19	N	OFF	19.6
0.622500	37.28	---	56.00	18.72	N	OFF	19.6



Test Mode :	Mode 2	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	50~54%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

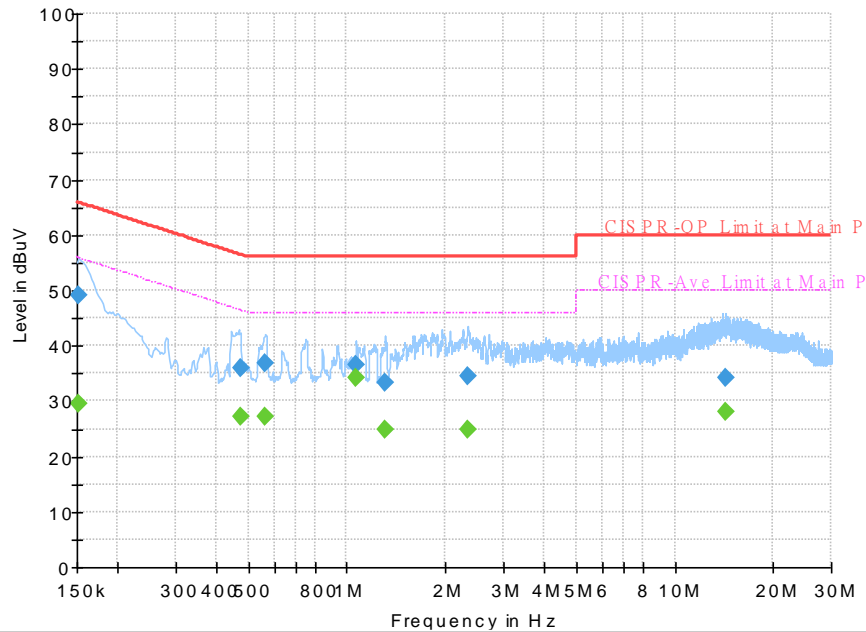


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	28.61	55.88	27.27	L1	OFF	19.5
0.152250	43.71	---	65.88	22.17	L1	OFF	19.5
0.449250	---	32.77	46.89	14.12	L1	OFF	19.5
0.449250	43.64	---	56.89	13.25	L1	OFF	19.5
0.471750	---	30.68	46.48	15.80	L1	OFF	19.5
0.471750	40.75	---	56.48	15.73	L1	OFF	19.5
0.636000	---	30.38	46.00	15.62	L1	OFF	19.6
0.636000	41.00	---	56.00	15.00	L1	OFF	19.6
0.732750	---	29.27	46.00	16.73	L1	OFF	19.6
0.732750	39.26	---	56.00	16.74	L1	OFF	19.6
1.068000	---	35.74	46.00	10.26	L1	OFF	19.6
1.068000	40.21	---	56.00	15.79	L1	OFF	19.6
1.731750	---	24.68	46.00	21.32	L1	OFF	19.6
1.731750	35.76	---	56.00	20.24	L1	OFF	19.6
3.999750	---	25.59	46.00	20.41	L1	OFF	19.7
3.999750	32.80	---	56.00	23.20	L1	OFF	19.7
14.628750	---	29.66	50.00	20.34	L1	OFF	20.1
14.628750	37.13	---	60.00	22.87	L1	OFF	20.1



<b>Test Mode :</b>	Mode 2	<b>Temperature :</b>	24~26°C
<b>Test Engineer :</b>	Jimmy Chang	<b>Relative Humidity :</b>	50~54%
<b>Test Voltage :</b>	120Vac / 60Hz	<b>Phase :</b>	Neutral
<b>Remark :</b>	All emissions not reported here are more than 10 dB below the prescribed limit.		

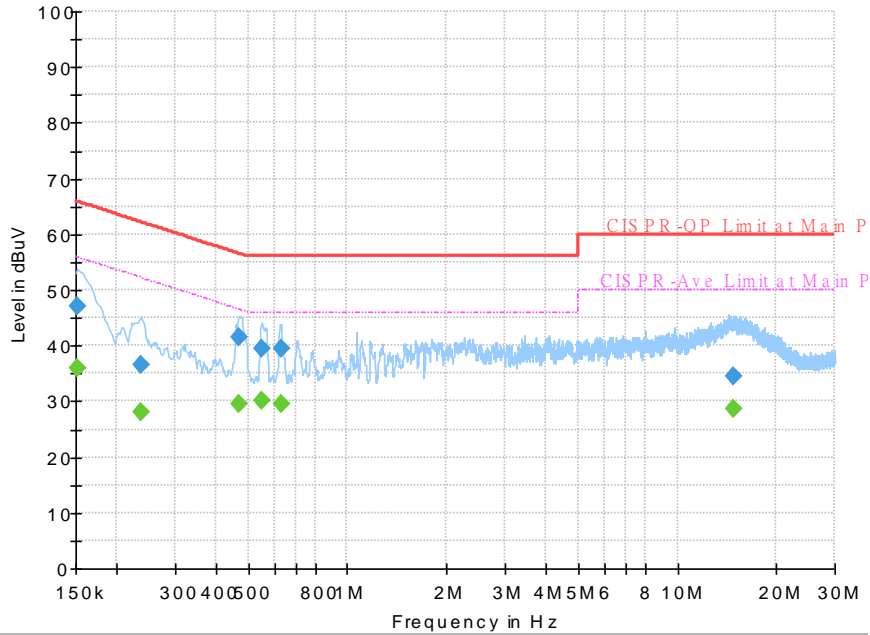


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	29.47	55.88	26.41	N	OFF	19.5
0.152250	49.21	---	65.88	16.67	N	OFF	19.5
0.471750	---	27.08	46.48	19.40	N	OFF	19.5
0.471750	36.05	---	56.48	20.43	N	OFF	19.5
0.564000	---	27.15	46.00	18.85	N	OFF	19.5
0.564000	36.90	---	56.00	19.10	N	OFF	19.5
1.065750	---	34.19	46.00	11.81	N	OFF	19.6
1.065750	36.52	---	56.00	19.48	N	OFF	19.6
1.311000	---	24.81	46.00	21.19	N	OFF	19.6
1.311000	33.45	---	56.00	22.55	N	OFF	19.6
2.334750	---	24.84	46.00	21.16	N	OFF	19.5
2.334750	34.60	---	56.00	21.40	N	OFF	19.5
14.383500	---	28.11	50.00	21.89	N	OFF	20.1
14.383500	34.09	---	60.00	25.91	N	OFF	20.1



Test Mode :	Mode 3	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	50~54%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

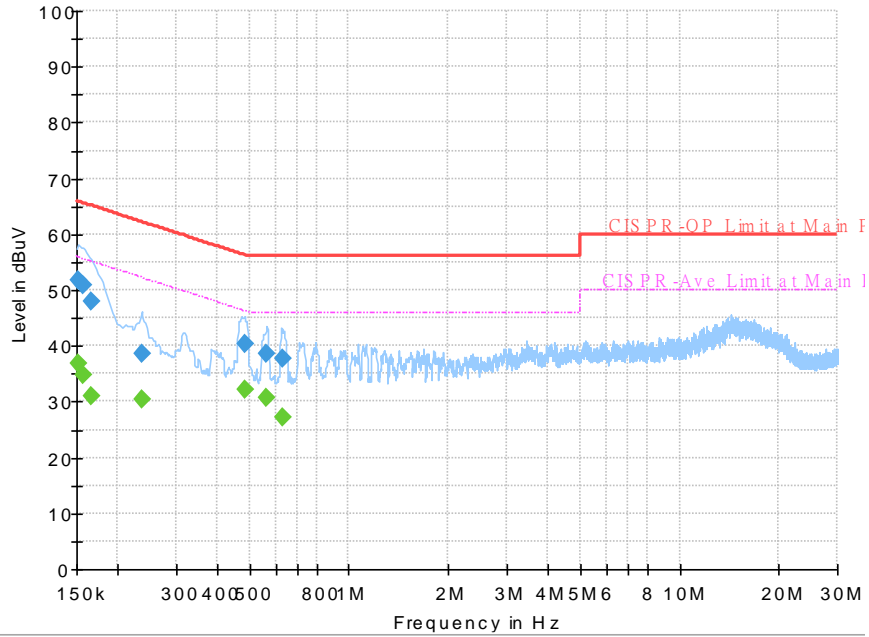


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	36.08	55.88	19.80	L1	OFF	19.5
0.152250	46.95	---	65.88	18.93	L1	OFF	19.5
0.237750	---	28.16	52.17	24.01	L1	OFF	19.5
0.237750	36.66	---	62.17	25.51	L1	OFF	19.5
0.469500	---	29.39	46.52	17.13	L1	OFF	19.5
0.469500	41.38	---	56.52	15.14	L1	OFF	19.5
0.552750	---	30.04	46.00	15.96	L1	OFF	19.5
0.552750	39.52	---	56.00	16.48	L1	OFF	19.5
0.627000	---	29.39	46.00	16.61	L1	OFF	19.6
0.627000	39.49	---	56.00	16.51	L1	OFF	19.6
14.743500	---	28.63	50.00	21.37	L1	OFF	20.1
14.743500	34.62	---	60.00	25.38	L1	OFF	20.1



Test Mode :	Mode 3	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	50~54%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



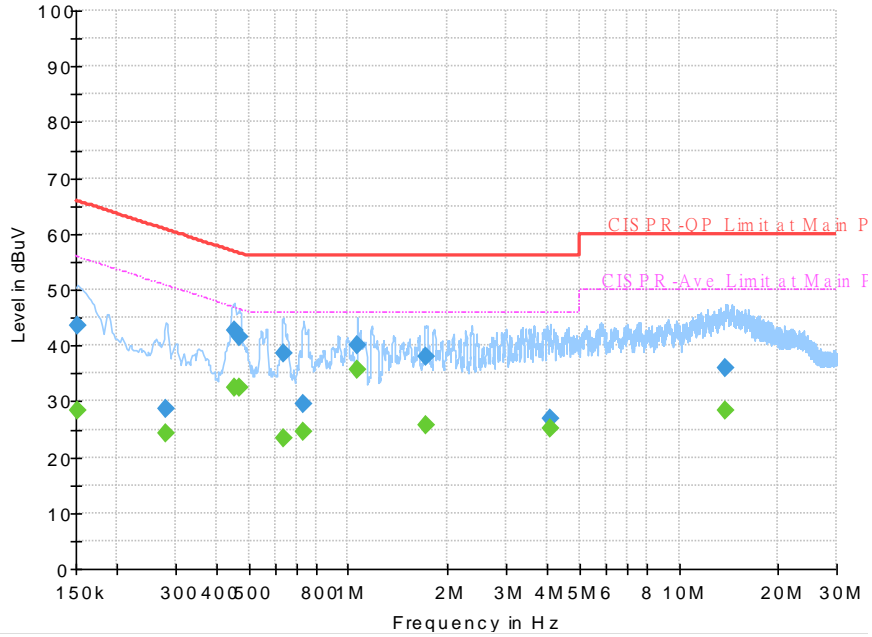
**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	36.85	55.88	19.03	N	OFF	19.5
0.152250	51.85	---	65.88	14.03	N	OFF	19.5
0.156750	---	34.90	55.63	20.73	N	OFF	19.5
0.156750	50.82	---	65.63	14.81	N	OFF	19.5
0.165750	---	30.90	55.17	24.27	N	OFF	19.5
0.165750	47.99	---	65.17	17.18	N	OFF	19.5
0.235500	---	30.43	52.25	21.82	N	OFF	19.5
0.235500	38.61	---	62.25	23.64	N	OFF	19.5
0.483000	---	32.22	46.29	14.07	N	OFF	19.5
0.483000	40.43	---	56.29	15.86	N	OFF	19.5
0.564000	---	30.60	46.00	15.40	N	OFF	19.5
0.564000	38.69	---	56.00	17.31	N	OFF	19.5
0.627000	---	27.26	46.00	18.74	N	OFF	19.6
0.627000	37.57	---	56.00	18.43	N	OFF	19.6





Test Mode :	Mode 4	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	50~54%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

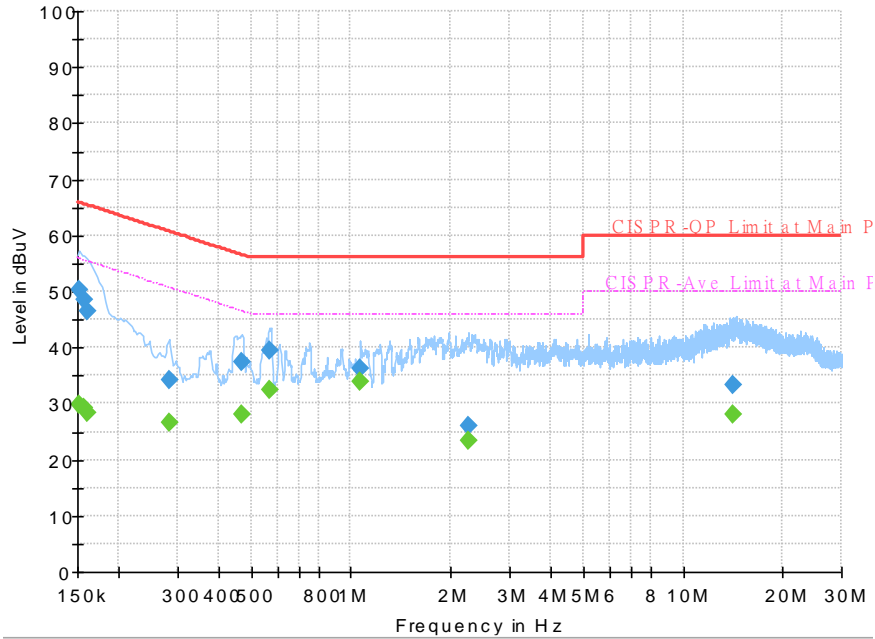


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	28.41	55.88	27.47	L1	OFF	19.5
0.152250	43.58	---	65.88	22.30	L1	OFF	19.5
0.280500	---	24.38	50.80	26.42	L1	OFF	19.5
0.280500	28.66	---	60.80	32.14	L1	OFF	19.5
0.451500	---	32.31	46.85	14.54	L1	OFF	19.5
0.451500	42.64	---	56.85	14.21	L1	OFF	19.5
0.467250	---	32.58	46.56	13.98	L1	OFF	19.5
0.467250	41.51	---	56.56	15.05	L1	OFF	19.5
0.638250	---	23.46	46.00	22.54	L1	OFF	19.6
0.638250	38.48	---	56.00	17.52	L1	OFF	19.6
0.735000	---	24.48	46.00	21.52	L1	OFF	19.6
0.735000	29.46	---	56.00	26.54	L1	OFF	19.6
1.065750	---	35.79	46.00	10.21	L1	OFF	19.6
1.065750	40.06	---	56.00	15.94	L1	OFF	19.6
1.720500	---	25.82	46.00	20.18	L1	OFF	19.6
1.720500	37.88	---	56.00	18.12	L1	OFF	19.6
4.076250	---	25.03	46.00	20.97	L1	OFF	19.7
4.076250	27.03	---	56.00	28.97	L1	OFF	19.7
13.834500	---	28.49	50.00	21.51	L1	OFF	20.0
13.834500	35.93	---	60.00	24.07	L1	OFF	20.0



<b>Test Mode :</b>	Mode 4	<b>Temperature :</b>	24~26°C
<b>Test Engineer :</b>	Jimmy Chang	<b>Relative Humidity :</b>	50~54%
<b>Test Voltage :</b>	120Vac / 60Hz	<b>Phase :</b>	Neutral
<b>Remark :</b>	All emissions not reported here are more than 10 dB below the prescribed limit.		

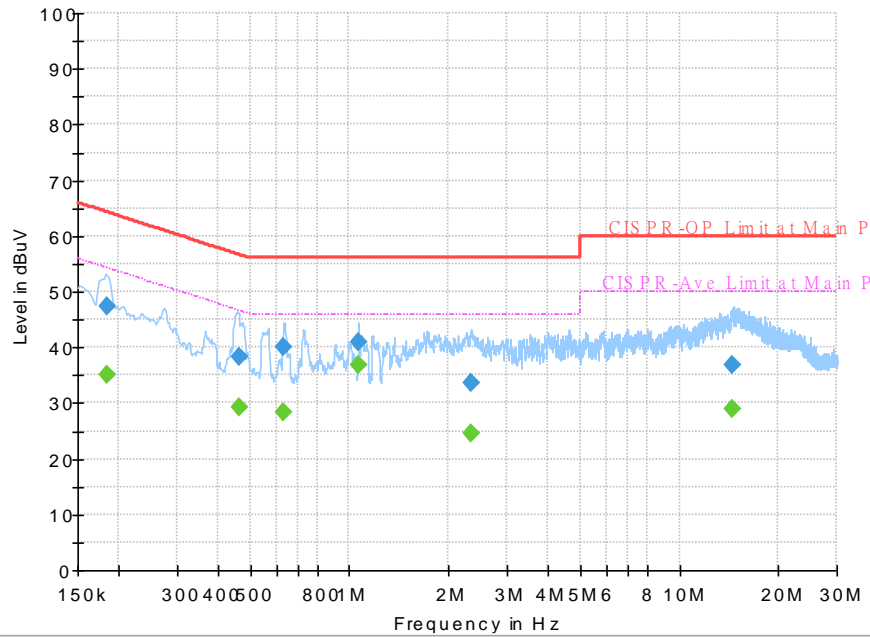


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	29.75	55.88	26.13	N	OFF	19.5
0.152250	50.19	---	65.88	15.69	N	OFF	19.5
0.156750	---	29.13	55.63	26.50	N	OFF	19.5
0.156750	48.67	---	65.63	16.96	N	OFF	19.5
0.161250	---	28.36	55.40	27.04	N	OFF	19.5
0.161250	46.51	---	65.40	18.89	N	OFF	19.5
0.282750	---	26.67	50.74	24.07	N	OFF	19.5
0.282750	34.19	---	60.74	26.55	N	OFF	19.5
0.469500	---	28.00	46.52	18.52	N	OFF	19.5
0.469500	37.33	---	56.52	19.19	N	OFF	19.5
0.566250	---	32.45	46.00	13.55	N	OFF	19.5
0.566250	39.44	---	56.00	16.56	N	OFF	19.5
1.068000	---	33.81	46.00	12.19	N	OFF	19.6
1.068000	36.18	---	56.00	19.82	N	OFF	19.6
2.251500	---	23.38	46.00	22.62	N	OFF	19.5
2.251500	25.97	---	56.00	30.03	N	OFF	19.5
14.163000	---	28.07	50.00	21.93	N	OFF	20.1
14.163000	33.28	---	60.00	26.72	N	OFF	20.1



Test Mode :	Mode 5	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	50~54%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

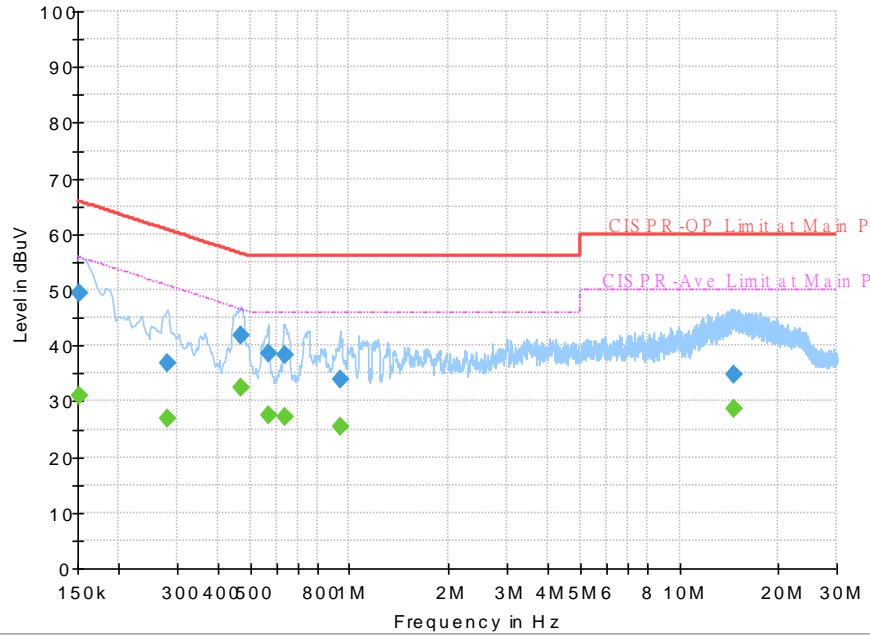


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.183750	---	35.11	54.31	19.20	L1	OFF	19.5
0.183750	47.33	---	64.31	16.98	L1	OFF	19.5
0.462750	---	29.16	46.64	17.48	L1	OFF	19.5
0.462750	38.28	---	56.64	18.36	L1	OFF	19.5
0.631500	---	28.44	46.00	17.56	L1	OFF	19.6
0.631500	40.17	---	56.00	15.83	L1	OFF	19.6
1.065750	---	36.74	46.00	9.26	L1	OFF	19.6
1.065750	40.84	---	56.00	15.16	L1	OFF	19.6
2.330250	---	24.48	46.00	21.52	L1	OFF	19.5
2.330250	33.77	---	56.00	22.23	L1	OFF	19.5
14.502750	---	28.94	50.00	21.06	L1	OFF	20.1
14.502750	36.85	---	60.00	23.15	L1	OFF	20.1



Test Mode :	Mode 5	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	50~54%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

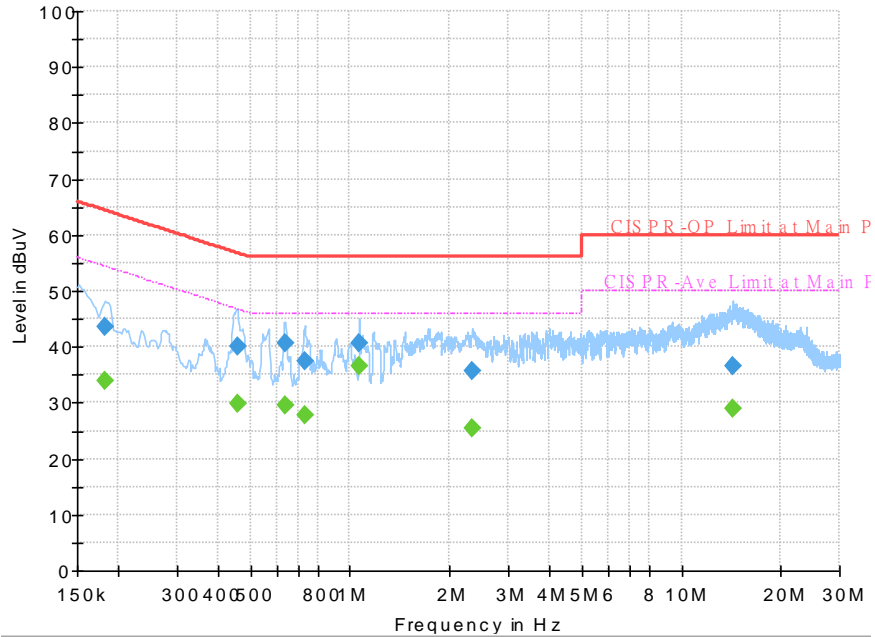


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	31.02	55.88	24.86	N	OFF	19.5
0.152250	49.47	---	65.88	16.41	N	OFF	19.5
0.280500	---	27.01	50.80	23.79	N	OFF	19.5
0.280500	36.81	---	60.80	23.99	N	OFF	19.5
0.469500	---	32.37	46.52	14.15	N	OFF	19.5
0.469500	41.85	---	56.52	14.67	N	OFF	19.5
0.566250	---	27.62	46.00	18.38	N	OFF	19.5
0.566250	38.61	---	56.00	17.39	N	OFF	19.5
0.636000	---	27.20	46.00	18.80	N	OFF	19.6
0.636000	38.36	---	56.00	17.64	N	OFF	19.6
0.935250	---	25.48	46.00	20.52	N	OFF	19.6
0.935250	33.91	---	56.00	22.09	N	OFF	19.6
14.635500	---	28.63	50.00	21.37	N	OFF	20.1
14.635500	34.83	---	60.00	25.17	N	OFF	20.1



Test Mode :	Mode 6	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	50~54%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

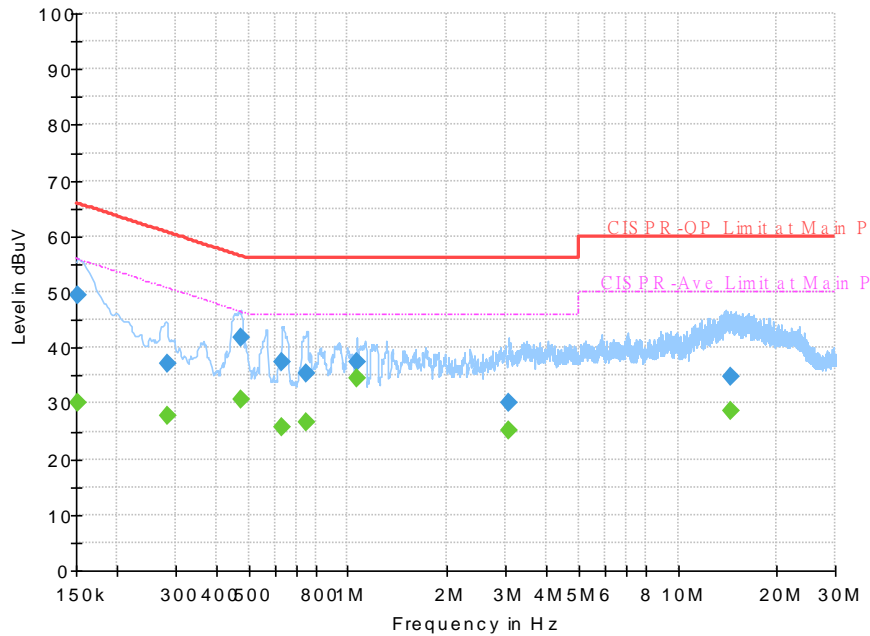


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.181500	---	33.96	54.42	20.46	L1	OFF	19.5
0.181500	43.65	---	64.42	20.77	L1	OFF	19.5
0.458250	---	29.95	46.72	16.77	L1	OFF	19.5
0.458250	40.04	---	56.72	16.68	L1	OFF	19.5
0.636000	---	29.45	46.00	16.55	L1	OFF	19.6
0.636000	40.52	---	56.00	15.48	L1	OFF	19.6
0.730500	---	27.64	46.00	18.36	L1	OFF	19.6
0.730500	37.30	---	56.00	18.70	L1	OFF	19.6
1.065750	---	36.43	46.00	9.57	L1	OFF	19.6
1.065750	40.52	---	56.00	15.48	L1	OFF	19.6
2.337000	---	25.36	46.00	20.64	L1	OFF	19.5
2.337000	35.71	---	56.00	20.29	L1	OFF	19.5
14.244000	---	29.07	50.00	20.93	L1	OFF	20.1
14.244000	36.61	---	60.00	23.39	L1	OFF	20.1



<b>Test Mode :</b>	Mode 6	<b>Temperature :</b>	24~26°C
<b>Test Engineer :</b>	Jimmy Chang	<b>Relative Humidity :</b>	50~54%
<b>Test Voltage :</b>	120Vac / 60Hz	<b>Phase :</b>	Neutral
<b>Remark :</b>	All emissions not reported here are more than 10 dB below the prescribed limit.		

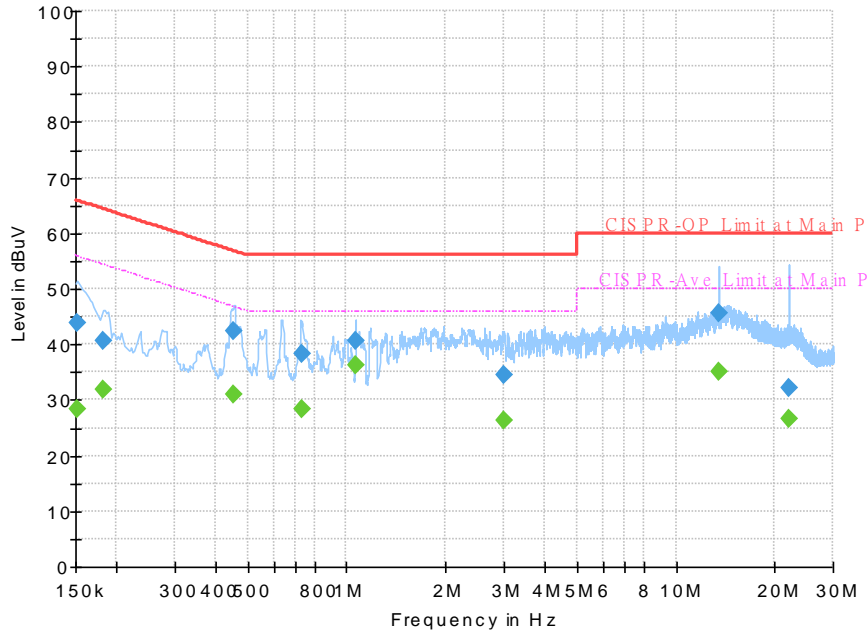


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	30.03	55.88	25.85	N	OFF	19.5
0.152250	49.33	---	65.88	16.55	N	OFF	19.5
0.282750	---	27.87	50.74	22.87	N	OFF	19.5
0.282750	37.10	---	60.74	23.64	N	OFF	19.5
0.474000	---	30.65	46.44	15.79	N	OFF	19.5
0.474000	41.89	---	56.44	14.55	N	OFF	19.5
0.631500	---	25.60	46.00	20.40	N	OFF	19.6
0.631500	37.57	---	56.00	18.43	N	OFF	19.6
0.750750	---	26.49	46.00	19.51	N	OFF	19.6
0.750750	35.28	---	56.00	20.72	N	OFF	19.6
1.065750	---	34.52	46.00	11.48	N	OFF	19.6
1.065750	37.52	---	56.00	18.48	N	OFF	19.6
3.084000	---	25.15	46.00	20.85	N	OFF	19.6
3.084000	30.26	---	56.00	25.74	N	OFF	19.6
14.399250	---	28.76	50.00	21.24	N	OFF	20.1
14.399250	34.78	---	60.00	25.22	N	OFF	20.1



Test Mode :	Mode 7	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	50~54%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

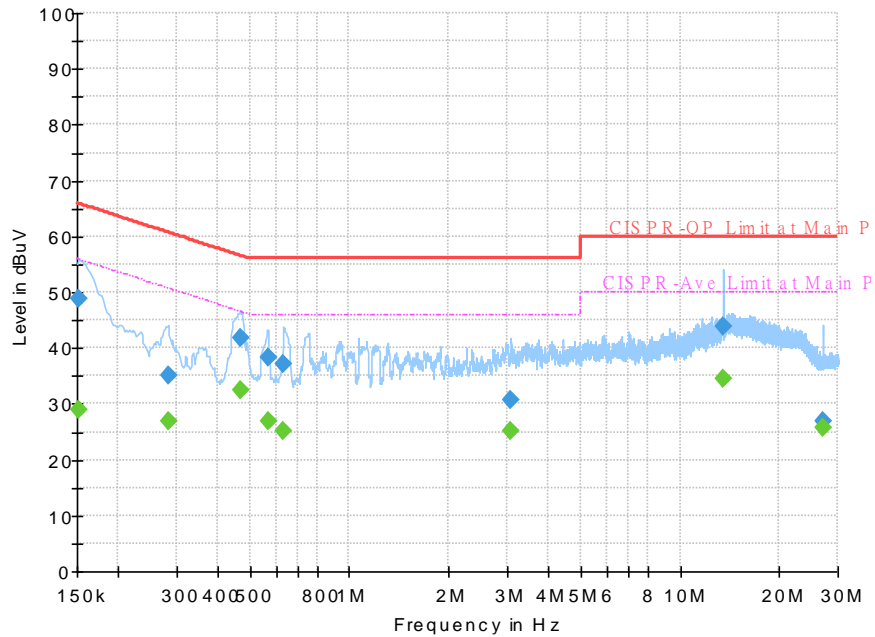


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	28.46	55.88	27.42	L1	OFF	19.5
0.152250	43.82	---	65.88	22.06	L1	OFF	19.5
0.181500	---	31.88	54.42	22.54	L1	OFF	19.5
0.181500	40.50	---	64.42	23.92	L1	OFF	19.5
0.453750	---	31.06	46.81	15.75	L1	OFF	19.5
0.453750	42.53	---	56.81	14.28	L1	OFF	19.5
0.728250	---	28.36	46.00	17.64	L1	OFF	19.6
0.728250	38.22	---	56.00	17.78	L1	OFF	19.6
1.065750	---	36.31	46.00	9.69	L1	OFF	19.6
1.065750	40.51	---	56.00	15.49	L1	OFF	19.6
2.987250	---	26.26	46.00	19.74	L1	OFF	19.6
2.987250	34.44	---	56.00	21.56	L1	OFF	19.6
13.560000	---	35.20	50.00	14.80	L1	OFF	20.0
13.560000	45.55	---	60.00	14.45	L1	OFF	20.0
22.065000	---	26.57	50.00	23.43	L1	OFF	20.3
22.065000	32.02	---	60.00	27.98	L1	OFF	20.3



Test Mode :	Mode 7	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	50~54%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



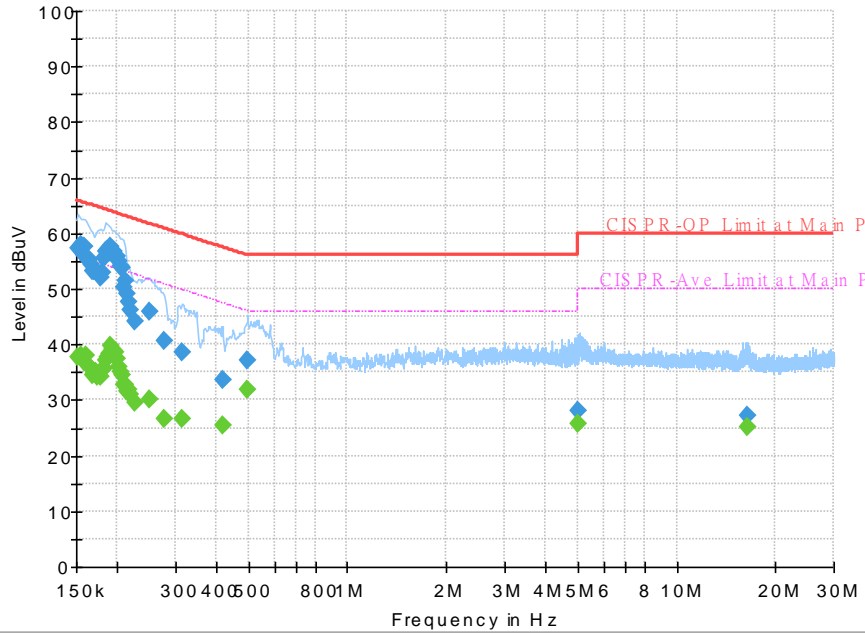
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	28.92	55.88	26.96	N	OFF	19.5
0.152250	48.84	---	65.88	17.04	N	OFF	19.5
0.282750	---	26.96	50.74	23.78	N	OFF	19.5
0.282750	35.14	---	60.74	25.60	N	OFF	19.5
0.467250	---	32.55	46.56	14.01	N	OFF	19.5
0.467250	41.82	---	56.56	14.74	N	OFF	19.5
0.566250	---	27.04	46.00	18.96	N	OFF	19.5
0.566250	38.21	---	56.00	17.79	N	OFF	19.5
0.631500	---	25.18	46.00	20.82	N	OFF	19.6
0.631500	37.08	---	56.00	18.92	N	OFF	19.6
3.086250	---	25.22	46.00	20.78	N	OFF	19.6
3.086250	30.62	---	56.00	25.38	N	OFF	19.6
13.560000	---	34.62	50.00	15.38	N	OFF	20.1
13.560000	43.82	---	60.00	16.18	N	OFF	20.1
27.010500	---	25.62	50.00	24.38	N	OFF	20.6
27.010500	26.96	---	60.00	33.04	N	OFF	20.6





Test Mode :	Mode 8	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	50~54%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

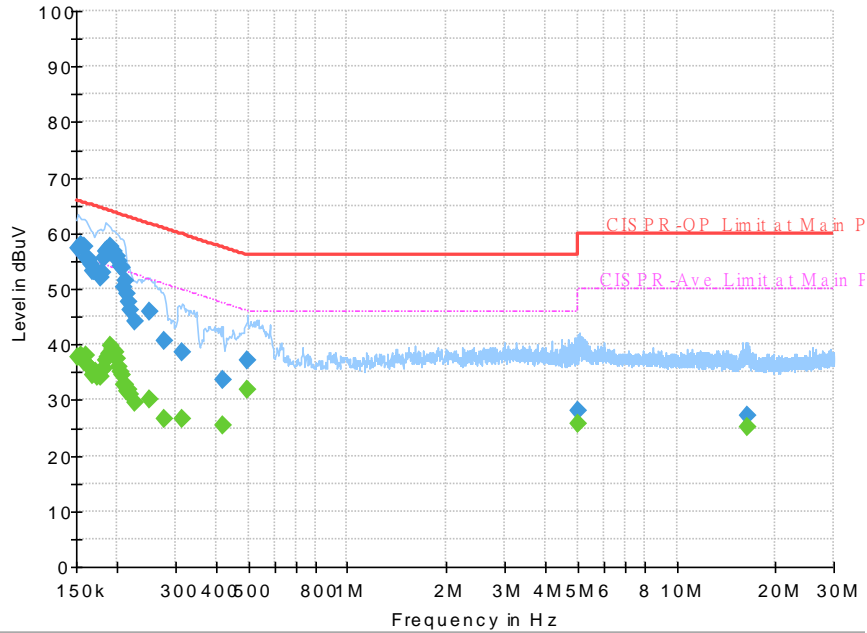


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	37.85	55.88	18.03	L1	OFF	19.5
0.152250	57.34	---	65.88	8.54	L1	OFF	19.5
0.154500	---	38.05	55.75	17.70	L1	OFF	19.5
0.154500	57.81	---	65.75	7.94	L1	OFF	19.5
0.159000	---	36.98	55.52	18.54	L1	OFF	19.5
0.159000	57.59	---	65.52	7.93	L1	OFF	19.5
0.161250	---	38.07	55.40	17.33	L1	OFF	19.5
0.161250	55.67	---	65.40	9.73	L1	OFF	19.5
0.163500	---	36.11	55.28	19.17	L1	OFF	19.5
0.163500	55.25	---	65.28	10.03	L1	OFF	19.5
0.165750	---	35.68	55.17	19.49	L1	OFF	19.5
0.165750	54.38	---	65.17	10.79	L1	OFF	19.5
0.168000	---	34.43	55.06	20.63	L1	OFF	19.5
0.168000	53.10	---	65.06	11.96	L1	OFF	19.5
0.170250	---	34.90	54.95	20.05	L1	OFF	19.5
0.170250	53.26	---	64.95	11.69	L1	OFF	19.5
0.172500	---	35.19	54.84	19.65	L1	OFF	19.5
0.172500	53.09	---	64.84	11.75	L1	OFF	19.5



Test Mode :	Mode 8	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	50~54%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

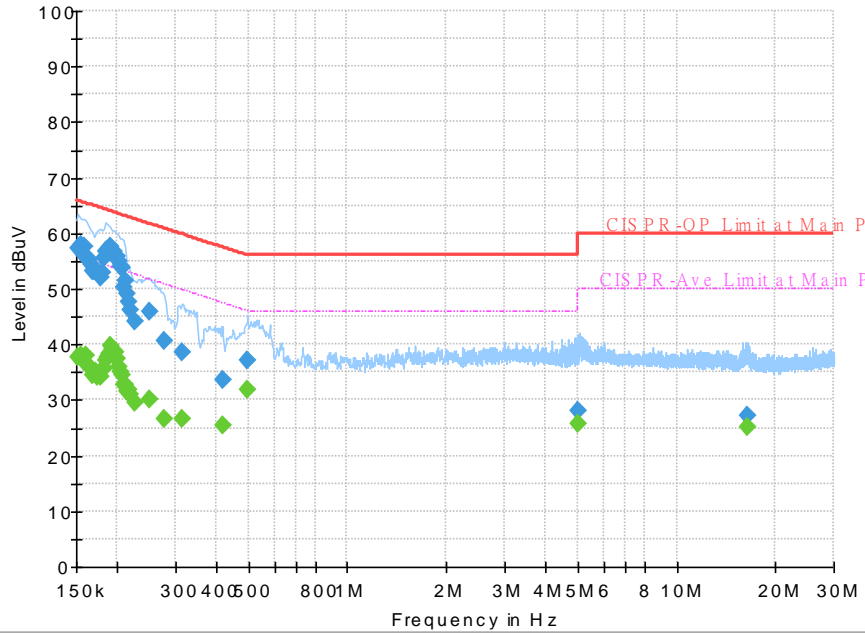


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.174750	---	34.33	54.73	20.40	L1	OFF	19.5
0.174750	52.93	---	64.73	11.80	L1	OFF	19.5
0.177000	---	34.09	54.63	20.54	L1	OFF	19.5
0.177000	52.00	---	64.63	12.63	L1	OFF	19.5
0.179250	---	35.47	54.52	19.05	L1	OFF	19.5
0.179250	52.93	---	64.52	11.59	L1	OFF	19.5
0.181500	---	35.77	54.42	18.65	L1	OFF	19.5
0.181500	55.66	---	64.42	8.76	L1	OFF	19.5
0.183750	---	37.16	54.31	17.15	L1	OFF	19.5
0.183750	56.76	---	64.31	7.55	L1	OFF	19.5
0.186000	---	37.65	54.21	16.56	L1	OFF	19.5
0.186000	57.08	---	64.21	7.13	L1	OFF	19.5
0.188250	---	38.43	54.11	15.68	L1	OFF	19.5
0.188250	56.98	---	64.11	7.13	L1	OFF	19.5
0.190500	---	39.80	54.02	14.22	L1	OFF	19.5
0.190500	57.63	---	64.02	6.39	L1	OFF	19.5
0.192750	---	39.11	53.92	14.81	L1	OFF	19.5
0.192750	56.54	---	63.92	7.38	L1	OFF	19.5
0.195000	---	38.95	53.82	14.87	L1	OFF	19.5
0.195000	56.59	---	63.82	7.23	L1	OFF	19.5



Test Mode :	Mode 8	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	50~54%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

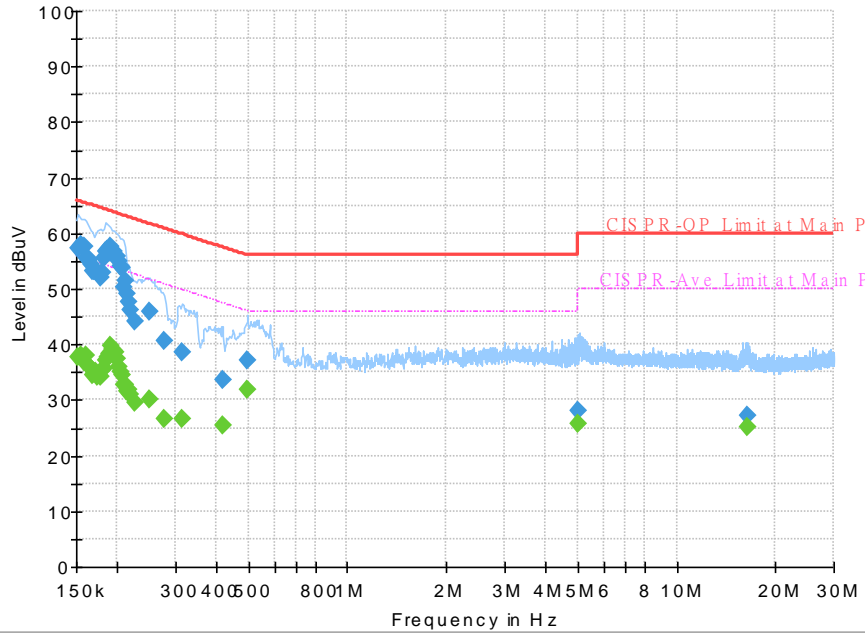


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.197250	---	38.64	53.73	15.09	L1	OFF	19.5
0.197250	55.98	---	63.73	7.75	L1	OFF	19.5
0.199500	---	37.53	53.63	16.10	L1	OFF	19.5
0.199500	55.76	---	63.63	7.87	L1	OFF	19.5
0.201750	---	36.09	53.54	17.45	L1	OFF	19.5
0.201750	54.88	---	63.54	8.66	L1	OFF	19.5
0.204000	---	35.06	53.45	18.39	L1	OFF	19.5
0.204000	54.20	---	63.45	9.25	L1	OFF	19.5
0.206250	---	34.59	53.36	18.77	L1	OFF	19.5
0.206250	53.71	---	63.36	9.65	L1	OFF	19.5
0.208500	---	32.72	53.27	20.55	L1	OFF	19.5
0.208500	50.25	---	63.27	13.02	L1	OFF	19.5
0.210750	---	32.65	53.18	20.53	L1	OFF	19.5
0.210750	51.33	---	63.18	11.85	L1	OFF	19.5
0.213000	---	31.61	53.09	21.48	L1	OFF	19.5
0.213000	49.08	---	63.09	14.01	L1	OFF	19.5
0.215250	---	31.73	53.00	21.27	L1	OFF	19.5
0.215250	47.58	---	63.00	15.42	L1	OFF	19.5
0.217500	---	30.99	52.91	21.92	L1	OFF	19.5
0.217500	46.10	---	62.91	16.81	L1	OFF	19.5



Test Mode :	Mode 8	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	50~54%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

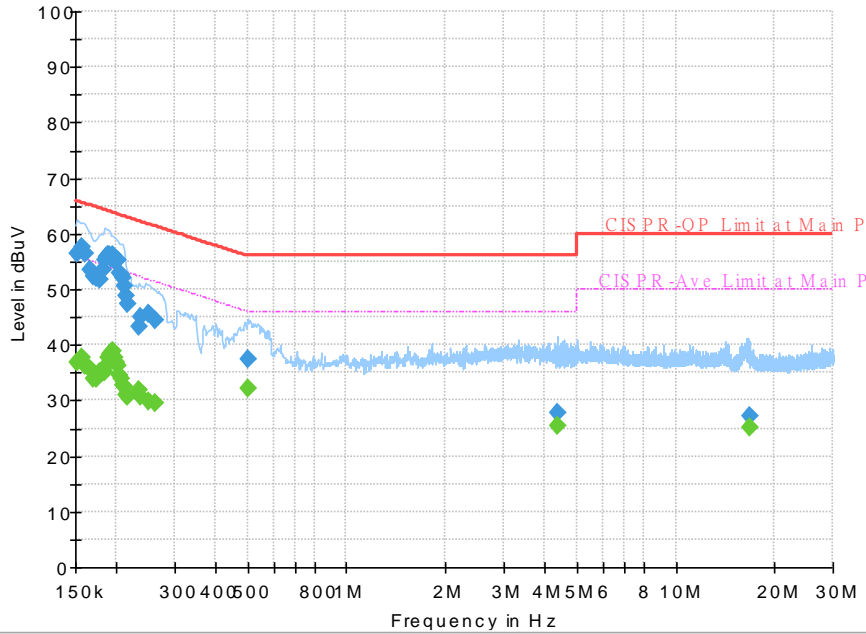


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.226500	---	29.47	52.58	23.11	L1	OFF	19.5
0.226500	44.25	---	62.58	18.33	L1	OFF	19.5
0.251250	---	30.14	51.72	21.58	L1	OFF	19.5
0.251250	45.81	---	61.72	15.91	L1	OFF	19.5
0.278250	---	26.54	50.87	24.33	L1	OFF	19.5
0.278250	40.56	---	60.87	20.31	L1	OFF	19.5
0.314250	---	26.57	49.86	23.29	L1	OFF	19.5
0.314250	38.61	---	59.86	21.25	L1	OFF	19.5
0.417750	---	25.34	47.49	22.15	L1	OFF	19.5
0.417750	33.48	---	57.49	24.01	L1	OFF	19.5
0.498750	---	31.74	46.02	14.28	L1	OFF	19.5
0.498750	37.01	---	56.02	19.01	L1	OFF	19.5
4.992000	---	25.68	46.00	20.32	L1	OFF	19.7
4.992000	28.05	---	56.00	27.95	L1	OFF	19.7
16.469250	---	25.23	50.00	24.77	L1	OFF	20.1
16.469250	27.13	---	60.00	32.87	L1	OFF	20.1



Test Mode :	Mode 8	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	50~54%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

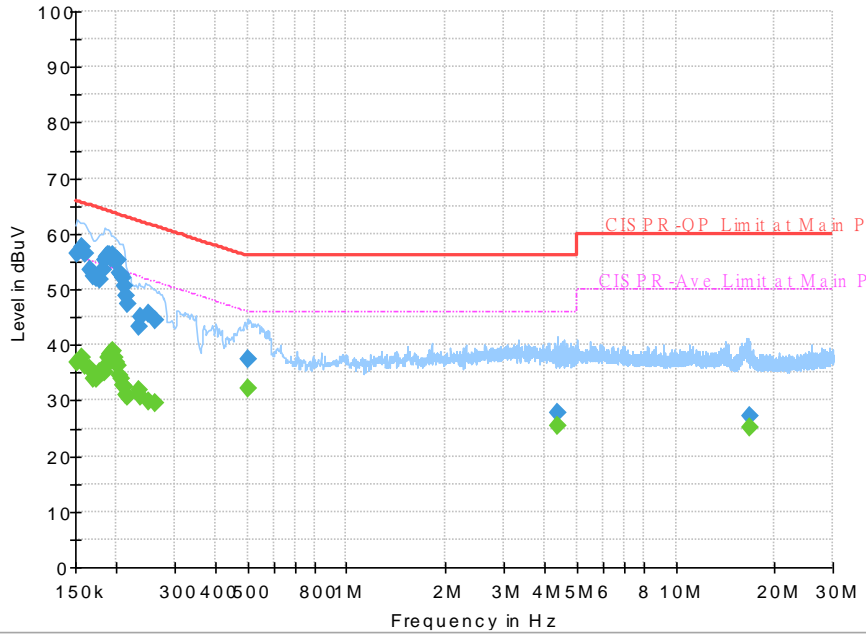


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	36.99	55.88	18.89	N	OFF	19.5
0.152250	56.44	---	65.88	9.44	N	OFF	19.5
0.156750	---	37.70	55.63	17.93	N	OFF	19.5
0.156750	57.74	---	65.63	7.89	N	OFF	19.5
0.161250	---	36.30	55.40	19.10	N	OFF	19.5
0.161250	56.41	---	65.40	8.99	N	OFF	19.5
0.165750	---	35.75	55.17	19.42	N	OFF	19.5
0.165750	53.65	---	65.17	11.52	N	OFF	19.5
0.170250	---	33.90	54.95	21.05	N	OFF	19.5
0.170250	52.27	---	64.95	12.68	N	OFF	19.5
0.174750	---	33.88	54.73	20.85	N	OFF	19.5
0.174750	52.01	---	64.73	12.72	N	OFF	19.5
0.177000	---	34.96	54.63	19.67	N	OFF	19.5
0.177000	51.85	---	64.63	12.78	N	OFF	19.5
0.181500	---	35.07	54.42	19.35	N	OFF	19.5
0.181500	53.56	---	64.42	10.86	N	OFF	19.5
0.183750	---	35.16	54.31	19.15	N	OFF	19.5
0.183750	55.24	---	64.31	9.07	N	OFF	19.5
0.186000	---	36.39	54.21	17.82	N	OFF	19.5
0.186000	55.79	---	64.21	8.42	N	OFF	19.5



Test Mode :	Mode 8	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	50~54%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

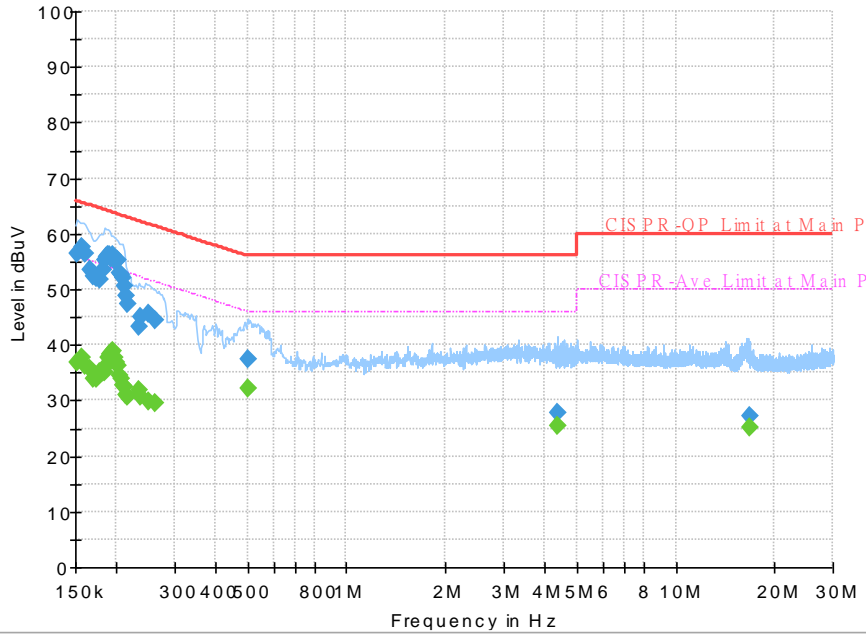


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.188250	---	37.75	54.11	16.36	N	OFF	19.5
0.188250	56.05	---	64.11	8.06	N	OFF	19.5
0.190500	---	38.17	54.02	15.85	N	OFF	19.5
0.190500	56.21	---	64.02	7.81	N	OFF	19.5
0.192750	---	38.70	53.92	15.22	N	OFF	19.5
0.192750	55.63	---	63.92	8.29	N	OFF	19.5
0.195000	---	38.78	53.82	15.04	N	OFF	19.5
0.195000	56.17	---	63.82	7.65	N	OFF	19.5
0.197250	---	37.75	53.73	15.98	N	OFF	19.5
0.197250	55.20	---	63.73	8.53	N	OFF	19.5
0.199500	---	36.79	53.63	16.84	N	OFF	19.5
0.199500	54.88	---	63.63	8.75	N	OFF	19.5
0.201750	---	36.27	53.54	17.27	N	OFF	19.5
0.201750	55.19	---	63.54	8.35	N	OFF	19.5
0.204000	---	34.36	53.45	19.09	N	OFF	19.5
0.204000	52.90	---	63.45	10.55	N	OFF	19.5
0.206250	---	33.84	53.36	19.52	N	OFF	19.5
0.206250	52.62	---	63.36	10.74	N	OFF	19.5
0.208500	---	32.74	53.27	20.53	N	OFF	19.5
0.208500	52.06	---	63.27	11.21	N	OFF	19.5



<b>Test Mode :</b>	Mode 8	<b>Temperature :</b>	24~26°C
<b>Test Engineer :</b>	Jimmy Chang	<b>Relative Humidity :</b>	50~54%
<b>Test Voltage :</b>	120Vac / 60Hz	<b>Phase :</b>	Neutral
<b>Remark :</b>	All emissions not reported here are more than 10 dB below the prescribed limit.		

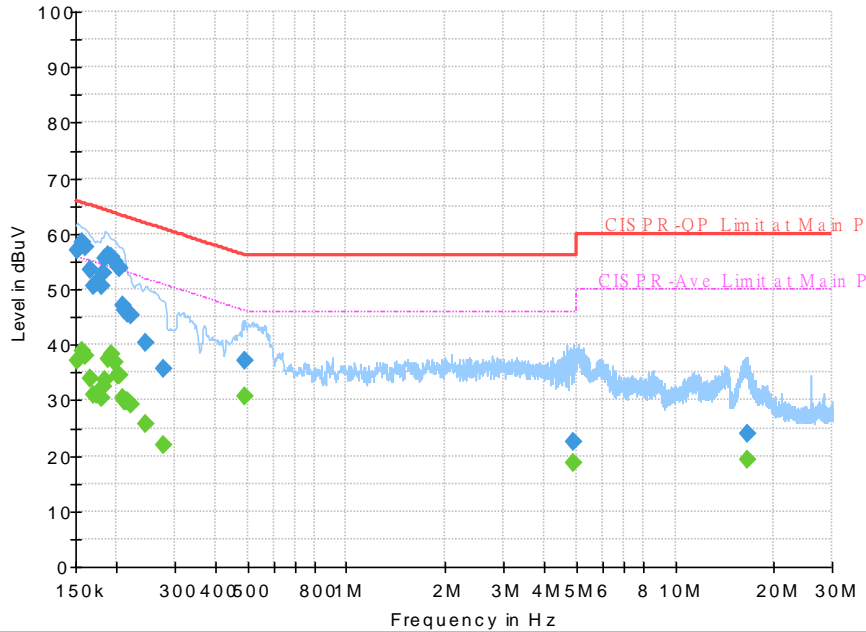


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.210750	---	32.32	53.18	20.86	N	OFF	19.5
0.210750	50.65	---	63.18	12.53	N	OFF	19.5
0.213000	---	31.06	53.09	22.03	N	OFF	19.5
0.213000	48.92	---	63.09	14.17	N	OFF	19.5
0.215250	---	30.59	53.00	22.41	N	OFF	19.5
0.215250	47.23	---	63.00	15.77	N	OFF	19.5
0.233250	---	31.75	52.33	20.58	N	OFF	19.5
0.233250	43.31	---	62.33	19.02	N	OFF	19.5
0.237750	---	30.81	52.17	21.36	N	OFF	19.5
0.237750	44.90	---	62.17	17.27	N	OFF	19.5
0.251250	---	29.87	51.72	21.85	N	OFF	19.5
0.251250	45.62	---	61.72	16.10	N	OFF	19.5
0.262500	---	29.57	51.35	21.78	N	OFF	19.5
0.262500	44.40	---	61.35	16.95	N	OFF	19.5
0.501000	---	32.03	46.00	13.97	N	OFF	19.5
0.501000	37.31	---	56.00	18.69	N	OFF	19.5
4.353000	---	25.46	46.00	20.54	N	OFF	19.7
4.353000	27.68	---	56.00	28.32	N	OFF	19.7
16.822500	---	25.16	50.00	24.84	N	OFF	20.2
16.822500	27.31	---	60.00	32.69	N	OFF	20.2



Test Mode :	Mode 9	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	50~54%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



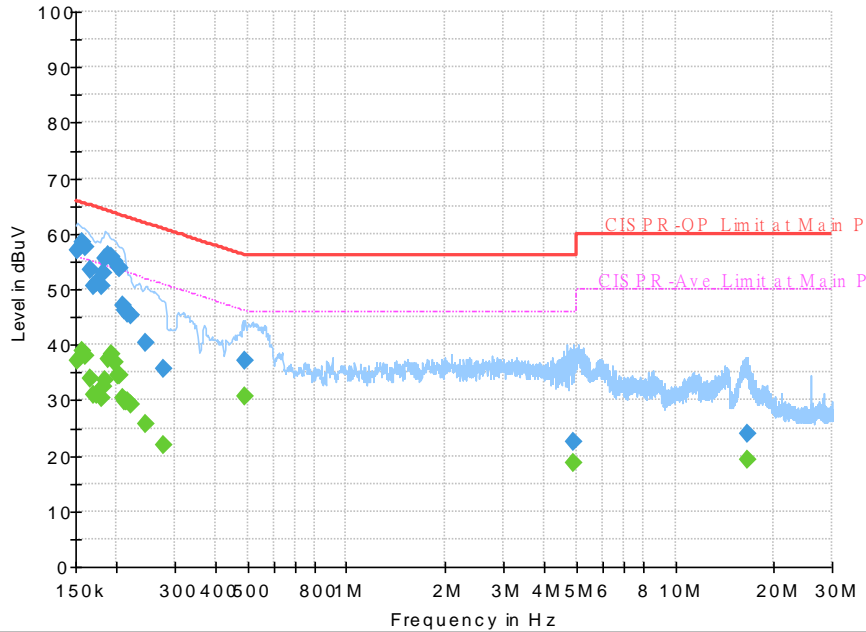
**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	37.08	55.88	18.80	L1	OFF	19.5
0.152250	56.97	---	65.88	8.91	L1	OFF	19.5
0.156750	---	38.84	55.63	16.79	L1	OFF	19.5
0.156750	58.41	---	65.63	7.22	L1	OFF	19.5
0.161250	---	37.96	55.40	17.44	L1	OFF	19.5
0.161250	57.69	---	65.40	7.71	L1	OFF	19.5
0.165750	---	33.79	55.17	21.38	L1	OFF	19.5
0.165750	53.47	---	65.17	11.70	L1	OFF	19.5
0.170250	---	30.92	54.95	24.03	L1	OFF	19.5
0.170250	50.57	---	64.95	14.38	L1	OFF	19.5
0.174750	---	30.93	54.73	23.80	L1	OFF	19.5
0.174750	51.19	---	64.73	13.54	L1	OFF	19.5
0.179250	---	30.31	54.52	24.21	L1	OFF	19.5
0.179250	50.49	---	64.52	14.03	L1	OFF	19.5
0.181500	---	32.53	54.42	21.89	L1	OFF	19.5
0.181500	53.00	---	64.42	11.42	L1	OFF	19.5
0.183750	---	33.49	54.31	20.82	L1	OFF	19.5
0.183750	55.58	---	64.31	8.73	L1	OFF	19.5
0.188250	---	37.46	54.11	16.65	L1	OFF	19.5
0.188250	56.20	---	64.11	7.91	L1	OFF	19.5





Test Mode :	Mode 9	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	50~54%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

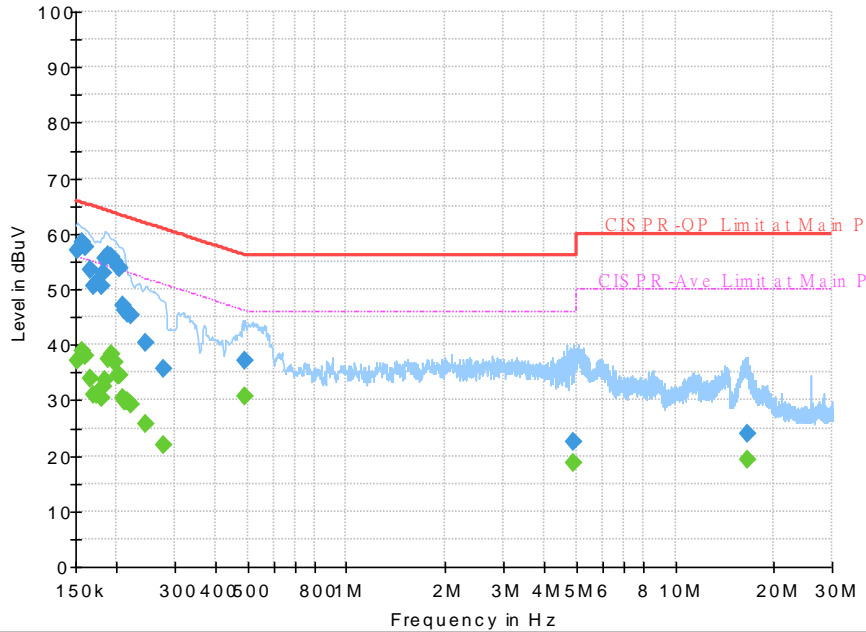


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.192750	---	38.31	53.92	15.61	L1	OFF	19.5
0.192750	55.84	---	63.92	8.08	L1	OFF	19.5
0.197250	---	36.91	53.73	16.82	L1	OFF	19.5
0.197250	54.93	---	63.73	8.80	L1	OFF	19.5
0.201750	---	34.53	53.54	19.01	L1	OFF	19.5
0.201750	54.18	---	63.54	9.36	L1	OFF	19.5
0.204000	---	34.37	53.45	19.08	L1	OFF	19.5
0.204000	53.81	---	63.45	9.64	L1	OFF	19.5
0.208500	---	30.44	53.27	22.83	L1	OFF	19.5
0.208500	47.08	---	63.27	16.19	L1	OFF	19.5
0.210750	---	29.75	53.18	23.43	L1	OFF	19.5
0.210750	46.13	---	63.18	17.05	L1	OFF	19.5
0.213000	---	29.76	53.09	23.33	L1	OFF	19.5
0.213000	46.21	---	63.09	16.88	L1	OFF	19.5
0.215250	---	29.70	53.00	23.30	L1	OFF	19.5
0.215250	45.63	---	63.00	17.37	L1	OFF	19.5
0.219750	---	29.31	52.83	23.52	L1	OFF	19.5
0.219750	45.21	---	62.83	17.62	L1	OFF	19.5



Test Mode :	Mode 9	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	50~54%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

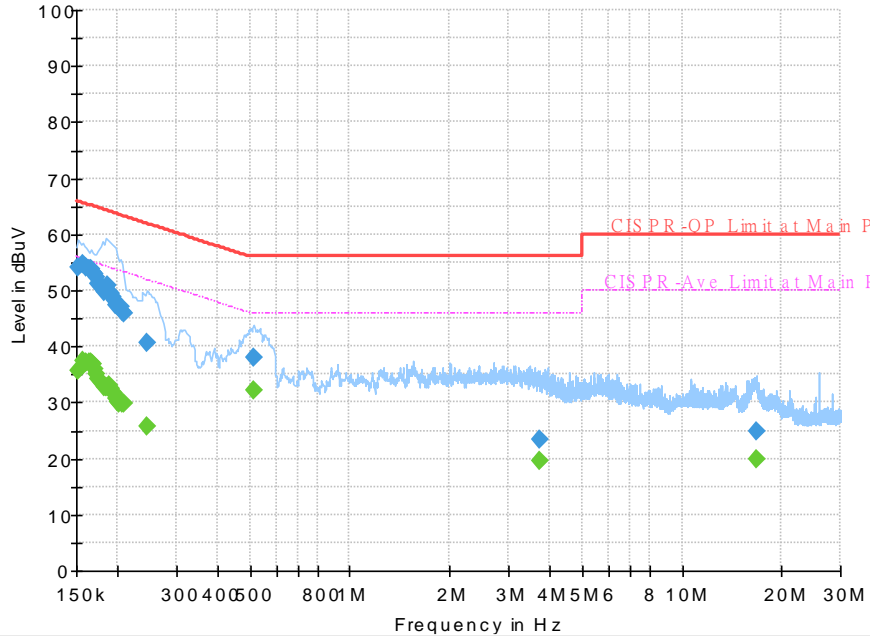


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.244500	---	25.70	51.94	26.24	L1	OFF	19.5
0.244500	40.31	---	61.94	21.63	L1	OFF	19.5
0.278250	---	22.07	50.87	28.80	L1	OFF	19.5
0.278250	35.56	---	60.87	25.31	L1	OFF	19.5
0.492000	---	30.73	46.13	15.40	L1	OFF	19.5
0.492000	37.11	---	56.13	19.02	L1	OFF	19.5
4.908750	---	18.75	46.00	27.25	L1	OFF	19.6
4.908750	22.40	---	56.00	33.60	L1	OFF	19.6
16.518750	---	19.34	50.00	30.66	L1	OFF	19.8
16.518750	24.00	---	60.00	36.00	L1	OFF	19.8



<b>Test Mode :</b>	Mode 9	<b>Temperature :</b>	24~26°C
<b>Test Engineer :</b>	Jimmy Chang	<b>Relative Humidity :</b>	50~54%
<b>Test Voltage :</b>	120Vac / 60Hz	<b>Phase :</b>	Neutral
<b>Remark :</b>	All emissions not reported here are more than 10 dB below the prescribed limit.		

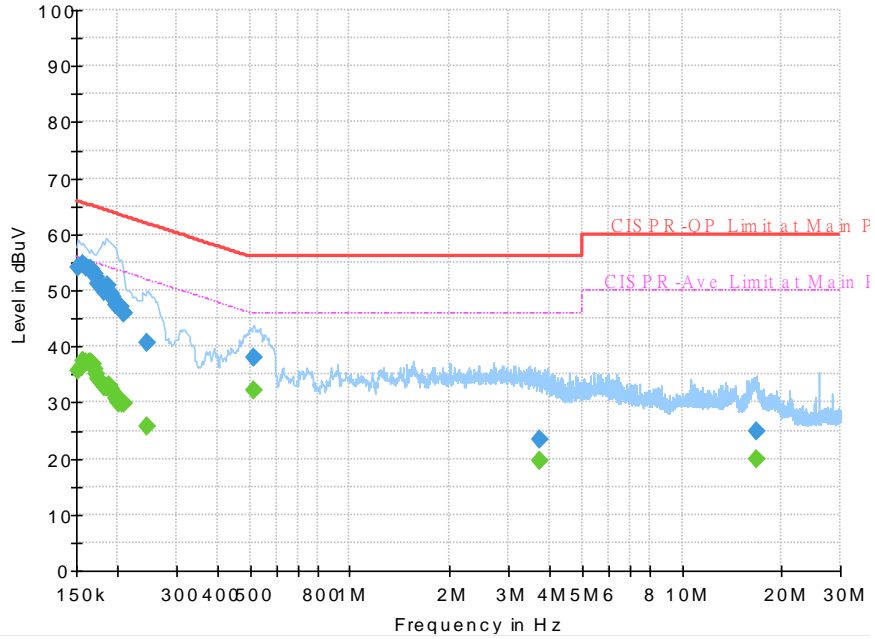


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	35.63	55.88	20.25	N	OFF	19.5
0.152250	54.11	---	65.88	11.77	N	OFF	19.5
0.156750	---	37.49	55.63	18.14	N	OFF	19.5
0.156750	54.80	---	65.63	10.83	N	OFF	19.5
0.161250	---	37.28	55.40	18.12	N	OFF	19.5
0.161250	54.00	---	65.40	11.40	N	OFF	19.5
0.163500	---	37.16	55.28	18.12	N	OFF	19.5
0.163500	53.82	---	65.28	11.46	N	OFF	19.5
0.165750	---	37.10	55.17	18.07	N	OFF	19.5
0.165750	53.78	---	65.17	11.39	N	OFF	19.5
0.168000	---	36.89	55.06	18.17	N	OFF	19.5
0.168000	53.15	---	65.06	11.91	N	OFF	19.5
0.170250	---	35.93	54.95	19.02	N	OFF	19.5
0.170250	53.05	---	64.95	11.90	N	OFF	19.5
0.172500	---	35.19	54.84	19.65	N	OFF	19.5
0.172500	52.44	---	64.84	12.40	N	OFF	19.5
0.174750	---	34.09	54.73	20.64	N	OFF	19.5
0.174750	51.19	---	64.73	13.54	N	OFF	19.5
0.177000	---	33.55	54.63	21.08	N	OFF	19.5
0.177000	50.57	---	64.63	14.06	N	OFF	19.5



Test Mode :	Mode 9	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	50~54%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

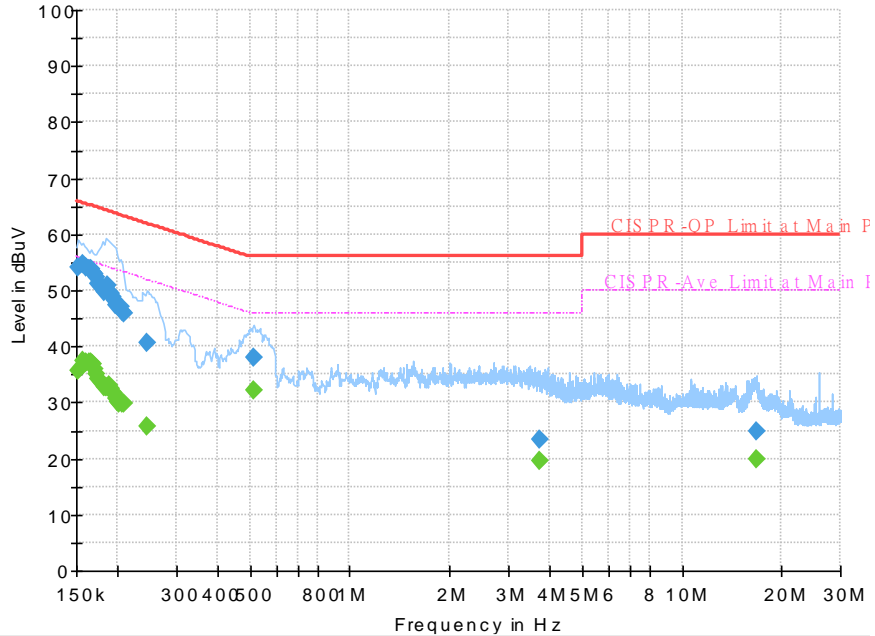


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.179250	---	33.26	54.52	21.26	N	OFF	19.5
0.179250	50.48	---	64.52	14.04	N	OFF	19.5
0.181500	---	32.76	54.42	21.66	N	OFF	19.5
0.181500	49.61	---	64.42	14.81	N	OFF	19.5
0.183750	---	32.78	54.31	21.53	N	OFF	19.5
0.183750	50.17	---	64.31	14.14	N	OFF	19.5
0.186000	---	32.79	54.21	21.42	N	OFF	19.5
0.186000	50.82	---	64.21	13.39	N	OFF	19.5
0.188250	---	32.93	54.11	21.18	N	OFF	19.5
0.188250	49.66	---	64.11	14.45	N	OFF	19.5
0.190500	---	32.49	54.02	21.53	N	OFF	19.5
0.190500	49.36	---	64.02	14.66	N	OFF	19.5
0.192750	---	32.01	53.92	21.91	N	OFF	19.5
0.192750	48.85	---	63.92	15.07	N	OFF	19.5
0.195000	---	31.57	53.82	22.25	N	OFF	19.5
0.195000	48.27	---	63.82	15.55	N	OFF	19.5
0.197250	---	30.81	53.73	22.92	N	OFF	19.5
0.197250	47.34	---	63.73	16.39	N	OFF	19.5
0.199500	---	30.06	53.63	23.57	N	OFF	19.5
0.199500	47.42	---	63.63	16.21	N	OFF	19.5



<b>Test Mode :</b>	Mode 9	<b>Temperature :</b>	24~26°C
<b>Test Engineer :</b>	Jimmy Chang	<b>Relative Humidity :</b>	50~54%
<b>Test Voltage :</b>	120Vac / 60Hz	<b>Phase :</b>	Neutral
<b>Remark :</b>	All emissions not reported here are more than 10 dB below the prescribed limit.		



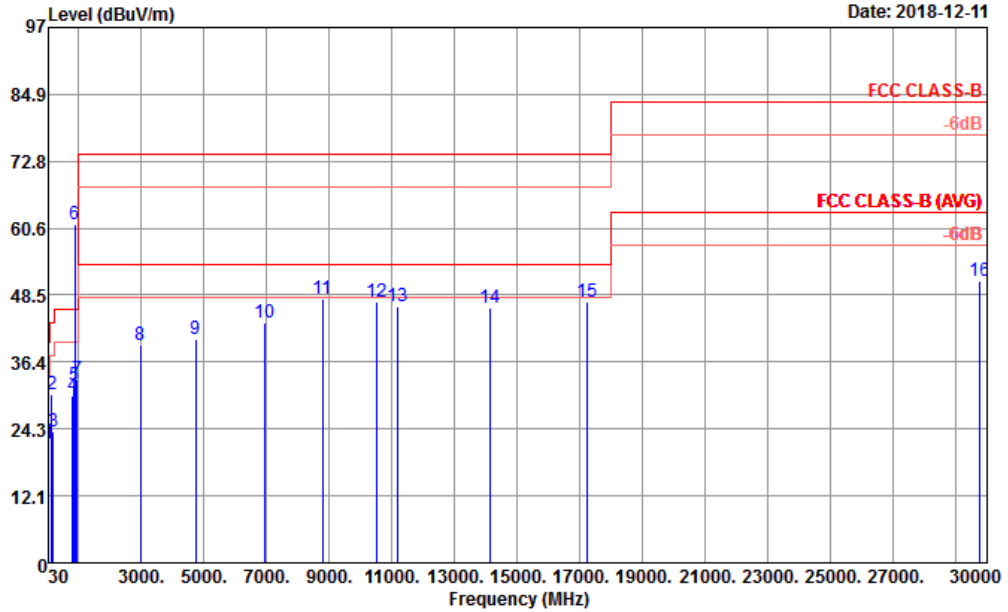
**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.201750	---	29.79	53.54	23.75	N	OFF	19.5
0.201750	46.97	---	63.54	16.57	N	OFF	19.5
0.204000	---	30.04	53.45	23.41	N	OFF	19.5
0.204000	46.96	---	63.45	16.49	N	OFF	19.5
0.206250	---	29.86	53.36	23.50	N	OFF	19.5
0.206250	46.08	---	63.36	17.28	N	OFF	19.5
0.208500	---	29.86	53.27	23.41	N	OFF	19.5
0.208500	46.01	---	63.27	17.26	N	OFF	19.5
0.244500	---	25.59	51.94	26.35	N	OFF	19.5
0.244500	40.67	---	61.94	21.27	N	OFF	19.5
0.512250	---	32.02	46.00	13.98	N	OFF	19.5
0.512250	37.94	---	56.00	18.06	N	OFF	19.5
3.727500	---	19.56	46.00	26.44	N	OFF	19.6
3.727500	23.46	---	56.00	32.54	N	OFF	19.6
16.696500	---	19.88	50.00	30.12	N	OFF	19.8
16.696500	24.86	---	60.00	35.14	N	OFF	19.8



## Appendix B. Radiated Emission Test Result

Mode :	Mode 1	Temperature :	22~23°C
Test Engineer :	Lewis He	Relative Humidity :	52~53%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		

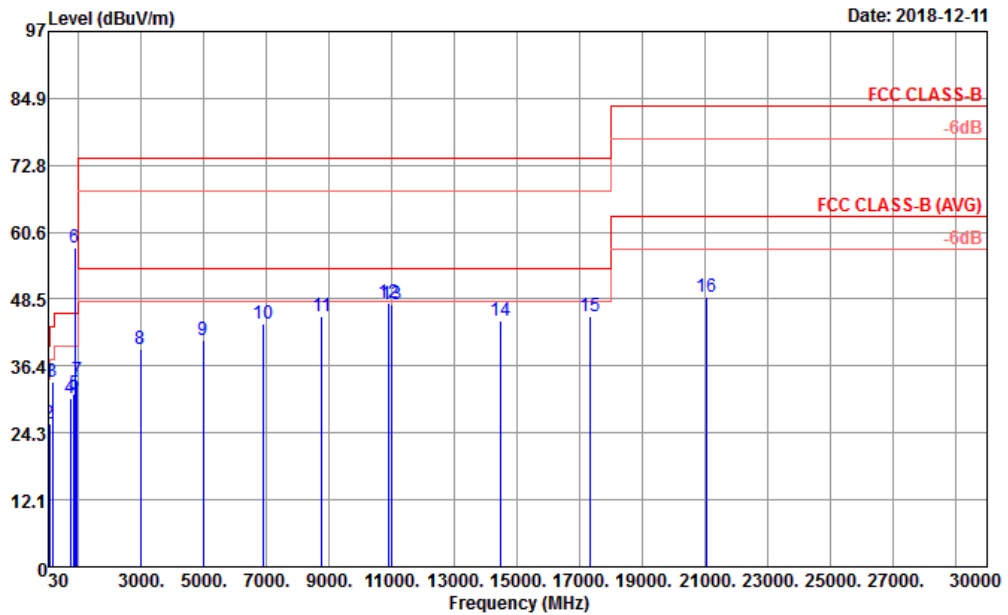


Site : 03CH10-HY  
 Condition : FCC CLASS-B 1m HORN\_9170\_40G\_0584 HORIZONTAL  
 Power : 120Vac/60Hz

	Freq	Level	Over Limit	Limit Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	31.35	21.55	-18.45	40.00	29.96	23.93	0.44	32.78	---	---	Peak
2	146.10	30.63	-12.87	43.50	44.74	17.21	1.31	32.63	---	---	Peak
3	174.99	23.78	-19.72	43.50	39.58	15.38	1.43	32.61	---	---	Peak
4	811.70	30.27	-15.73	46.00	31.28	28.03	3.27	32.31	---	---	Peak
5	853.00	32.09	-13.91	46.00	31.67	29.13	3.37	32.08	---	---	Peak
6 *	869.20	61.21			60.70	29.11	3.39	31.99	---	---	Peak
7	958.70	33.33	-12.67	46.00	29.93	31.11	3.53	31.24	100	0	Peak
8	2972.00	39.45	-34.55	74.00	65.30	28.34	7.70	61.89	---	---	Peak
9	4724.00	40.47	-33.53	74.00	63.06	31.15	8.56	62.30	---	---	Peak
10	6960.00	43.55	-30.45	74.00	61.46	35.24	10.40	63.55	---	---	Peak
11	8774.00	47.77	-26.23	74.00	62.80	37.65	11.75	64.43	100	0	Peak
12	10504.00	47.38	-26.62	74.00	59.44	39.50	12.84	64.40	---	---	Peak
13	11170.00	46.60	-27.40	74.00	57.62	39.46	13.35	63.83	---	---	Peak
14	14148.00	46.31	-27.69	74.00	53.60	41.10	14.84	63.23	---	---	Peak
15	17220.00	47.33	-26.67	74.00	53.39	40.02	16.76	62.84	---	---	Peak
16	29760.00	51.05	-32.49	83.54	41.46	40.25	24.60	55.26	---	---	Peak



Mode :	Mode 1	Temperature :	22~23°C
Test Engineer :	Lewis He	Relative Humidity :	52~53%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		

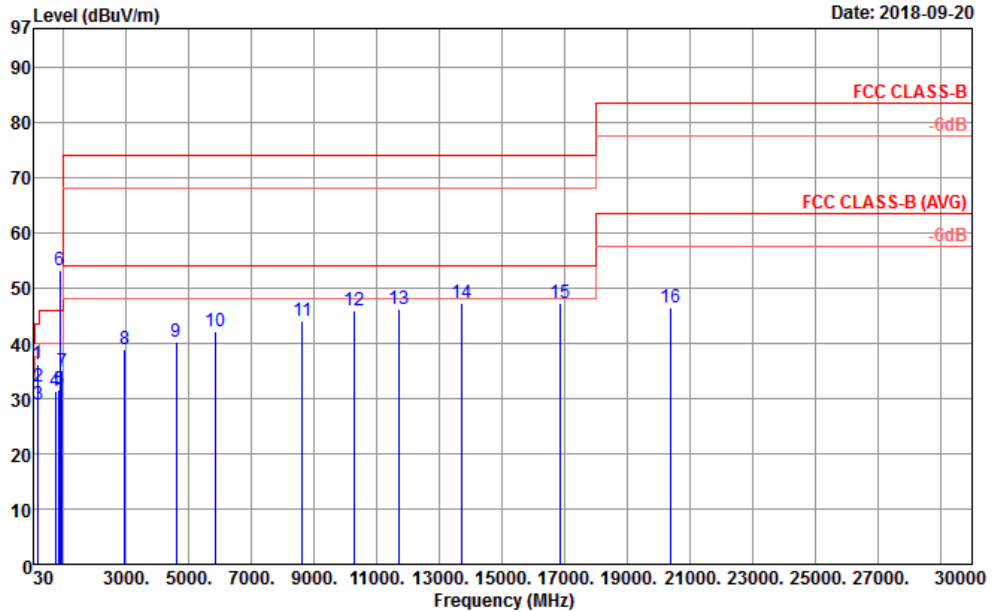


Site : 03CH10-HY  
 Condition : FCC CLASS-B 1m HORN\_9170\_40G\_0584 VERTICAL  
 Power : 120Vac/60Hz

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	41.07	33.55	-6.45	40.00	46.83	18.89	0.59	32.76	100	0 Peak	
2	64.02	25.95	-14.05	40.00	46.02	11.86	0.80	32.73	---	---	Peak
3	150.42	33.60	-9.90	43.50	47.87	17.04	1.32	32.63	---	---	Peak
4	726.30	30.45	-15.55	46.00	32.47	27.40	3.10	32.52	---	---	Peak
5	843.90	31.34	-14.66	46.00	31.13	28.99	3.35	32.13	---	---	Peak
6 *	869.20	57.85			57.34	29.11	3.39	31.99	---	---	Peak
7	957.30	33.75	-12.25	46.00	30.42	31.06	3.53	31.26	---	---	Peak
8	2974.00	39.52	-34.48	74.00	65.36	28.35	7.70	61.89	---	---	Peak
9	4982.00	41.00	-33.00	74.00	63.06	31.23	9.01	62.30	---	---	Peak
10	6896.00	44.04	-29.96	74.00	62.11	34.97	10.44	63.48	---	---	Peak
11	8766.00	45.33	-28.67	74.00	60.39	37.63	11.73	64.42	---	---	Peak
12	10890.00	47.81	-26.19	74.00	58.61	39.99	13.14	63.93	100	0 Peak	
13	11012.00	47.43	-26.57	74.00	57.96	40.04	13.23	63.80	---	---	Peak
14	14454.00	44.56	-29.44	74.00	51.60	41.25	15.00	63.29	---	---	Peak
15	17310.00	45.38	-28.62	74.00	51.10	40.18	16.83	62.73	---	---	Peak
16	21060.00	48.91	-34.63	83.54	44.00	38.01	20.21	53.31	---	---	Peak



Mode :	Mode 2	Temperature :	22~23°C
Test Engineer :	Lewis He	Relative Humidity :	52~53%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		



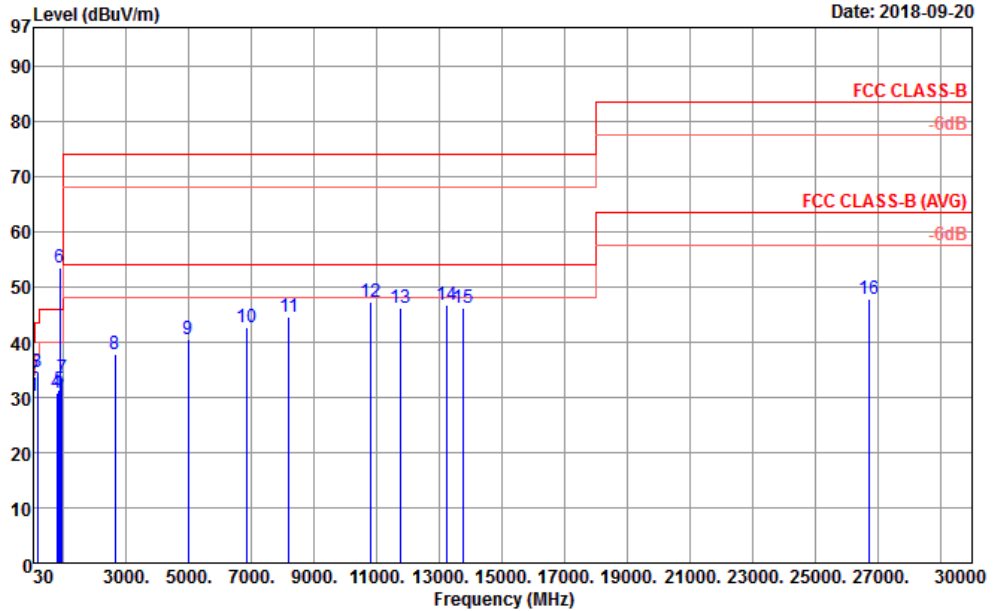
Site : 03CH10-HY  
 Condition : FCC CLASS-B 1m HORN\_9170\_40G\_0584 HORIZONTAL  
 Power : 120Vac/60Hz

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	162.03	36.34	-7.16	43.50	50.81	16.45	1.33	32.67	100	0 Peak	
2	178.23	32.27	-11.23	43.50	47.90	15.19	1.41	32.66	---	---	Peak
3	196.32	29.02	-14.48	43.50	44.87	14.91	1.49	32.64	---	---	Peak
4	730.50	31.40	-14.60	46.00	32.98	27.70	2.87	32.74	---	---	Peak
5	850.20	31.49	-14.51	46.00	31.09	28.98	3.13	32.37	---	---	Peak
6 *	881.70	53.19			52.44	29.09	3.16	32.19	---	---	Peak
7	953.80	34.78	-11.22	46.00	31.35	30.81	3.29	31.48	---	---	Peak
8	2938.00	38.98	-35.02	74.00	66.46	28.35	6.06	61.89	---	---	Peak
9	4604.00	40.18	-33.82	74.00	64.57	30.79	7.12	62.30	---	---	Peak
10	5836.00	42.12	-31.88	74.00	63.29	32.43	9.20	62.80	---	---	Peak
11	8614.00	43.96	-30.04	74.00	60.32	36.96	10.92	64.24	---	---	Peak
12	10296.00	46.04	-27.96	74.00	59.50	39.38	11.72	64.56	---	---	Peak
13	11704.00	46.31	-27.69	74.00	57.98	39.47	12.92	64.06	---	---	Peak
14	13704.00	47.33	-26.67	74.00	55.78	40.34	14.53	63.32	---	---	Peak
15	16872.00	47.40	-26.60	74.00	54.54	39.63	16.48	63.25	100	0 Peak	
16	20376.00	46.55	-36.99	83.54	42.74	37.80	19.51	53.50	---	---	Peak





Mode :	Mode 2	Temperature :	22~23°C
Test Engineer :	Lewis He	Relative Humidity :	52~53%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		

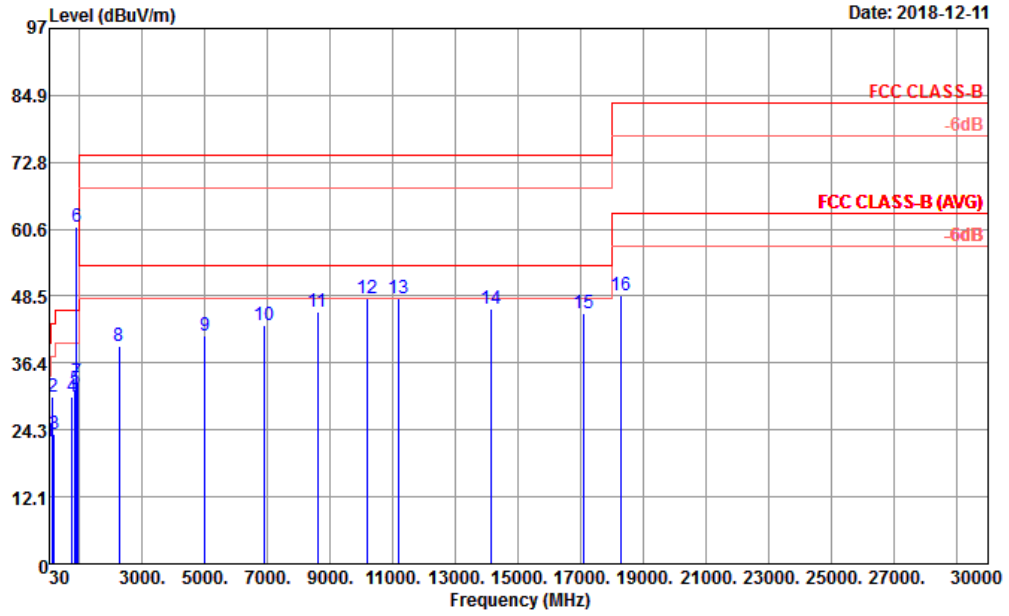


Site : 03CH10-HY  
 Condition : FCC CLASS-B 1m HORN\_9170\_40G\_0584 VERTICAL  
 Power : 120Vac/60Hz

	Freq	Level	Over Limit	Limit Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.00	30.26	-9.74	40.00	37.79	24.57	0.60	32.78	---	---	Peak
2	41.61	33.45	-6.55	40.00	46.90	18.42	0.78	32.77	100	0	Peak
3	158.79	34.59	-8.91	43.50	48.82	16.69	1.33	32.67	---	---	Peak
4	778.10	30.88	-15.12	46.00	31.56	28.41	2.97	32.68	---	---	Peak
5	847.40	31.39	-14.61	46.00	31.11	28.92	3.09	32.39	---	---	Peak
6 *	881.70	53.57			52.82	29.09	3.16	32.19	---	---	Peak
7	958.70	33.56	-12.44	46.00	29.82	31.03	3.32	31.42	---	---	Peak
8	2636.00	37.73	-36.27	74.00	66.21	27.69	5.66	61.83	---	---	Peak
9	4968.00	40.41	-33.59	74.00	62.93	31.44	8.34	62.30	---	---	Peak
10	6822.00	42.70	-31.30	74.00	61.73	35.01	9.35	63.39	---	---	Peak
11	8192.00	44.62	-29.38	74.00	61.00	36.99	10.42	63.79	---	---	Peak
12	10780.00	47.27	-26.73	74.00	59.28	39.92	12.13	64.06	100	0	Peak
13	11736.00	46.19	-27.81	74.00	57.94	39.41	12.93	64.09	---	---	Peak
14	13224.00	46.82	-27.18	74.00	56.36	39.66	14.14	63.34	---	---	Peak
15	13740.00	46.16	-27.84	74.00	54.52	40.38	14.56	63.30	---	---	Peak
16	26736.00	47.80	-35.74	83.54	38.59	40.04	22.27	53.10	---	---	Peak



Mode :	Mode 3	Temperature :	22~23°C
Test Engineer :	Lewis He	Relative Humidity :	52~53%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		

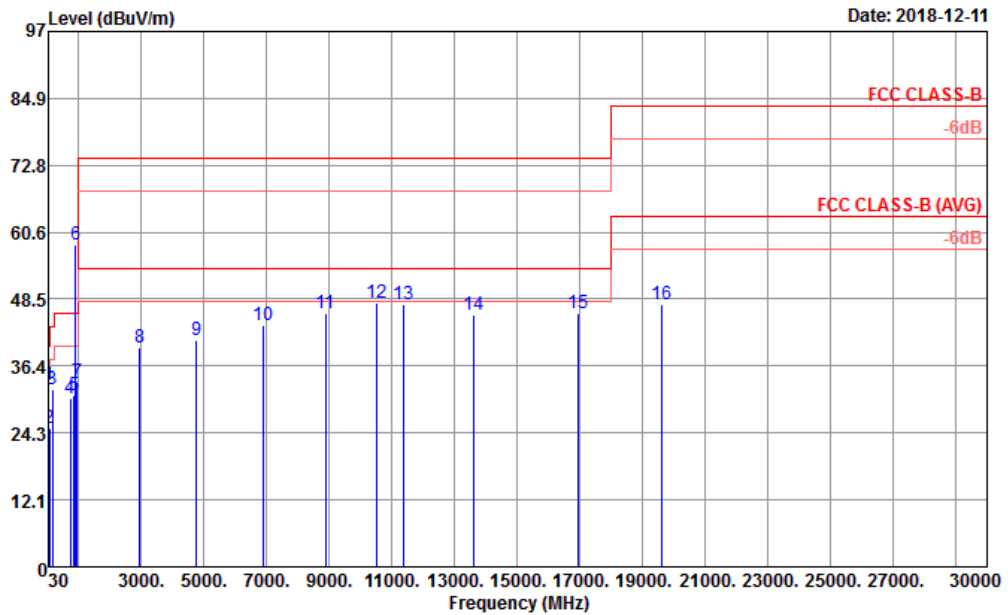


Site : 03CH10-HY  
 Condition : FCC CLASS-B 1m HORN\_9170\_40G\_0584 HORIZONTAL  
 Power : 120Vac/60Hz

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	30.27	22.06	-17.94	40.00	29.94	24.45	0.45	32.78	---	Peak
2	145.02	30.36	-13.14	43.50	44.43	17.25	1.31	32.63	---	Peak
3	174.99	23.58	-19.92	43.50	39.38	15.38	1.43	32.61	---	Peak
4	762.00	30.18	-15.82	46.00	31.24	28.20	3.19	32.45	---	Peak
5	856.50	31.74	-14.26	46.00	31.26	29.16	3.38	32.06	---	Peak
6 *	893.80	61.17			60.59	29.01	3.42	31.85	---	Peak
7	925.80	32.93	-13.07	46.00	31.40	29.63	3.47	31.57	100	0 Peak
8	2264.00	39.45	-34.55	74.00	66.79	27.80	6.61	61.75	---	Peak
9	4996.00	41.27	-32.73	74.00	63.24	31.28	9.05	62.30	---	Peak
10	6896.00	43.36	-30.64	74.00	61.43	34.97	10.44	63.48	---	Peak
11	8606.00	45.63	-28.37	74.00	61.28	37.12	11.46	64.23	---	Peak
12	10180.00	48.14	-25.86	74.00	61.36	38.84	12.60	64.66	100	0 Peak
13	11182.00	48.06	-25.94	74.00	59.10	39.44	13.36	63.84	---	Peak
14	14124.00	46.27	-27.73	74.00	53.56	41.10	14.83	63.22	---	Peak
15	17064.00	45.35	-28.65	74.00	51.98	39.76	16.63	63.02	---	Peak
16	18276.00	48.67	-34.87	83.54	46.74	37.52	18.64	54.23	---	Peak



Mode :	Mode 3	Temperature :	22~23°C
Test Engineer :	Lewis He	Relative Humidity :	52~53%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		

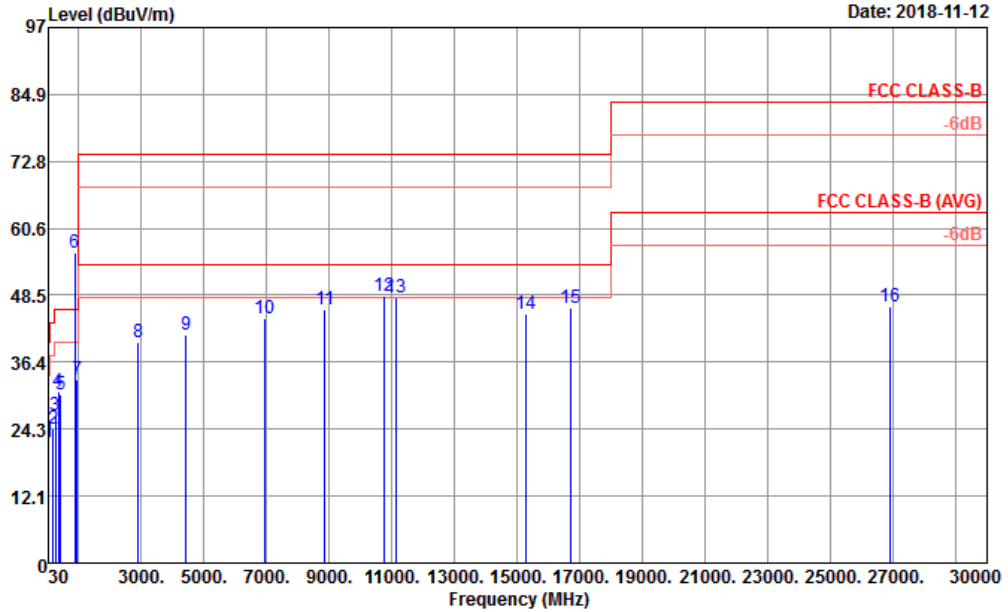


Site : 03CH10-HY  
 Condition : FCC CLASS-B 1m HORN\_9170\_40G\_0584 VERTICAL  
 Power : 120Vac/60Hz

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	41.34	32.91	-7.09	40.00	46.32	18.75	0.60	32.76	100	0 Peak	
2	61.86	25.03	-14.97	40.00	45.10	11.90	0.76	32.73	---	---	Peak
3	150.42	32.25	-11.25	43.50	46.52	17.04	1.32	32.63	---	---	Peak
4	741.70	30.55	-15.45	46.00	31.82	28.07	3.15	32.49	---	---	Peak
5	855.80	30.96	-15.04	46.00	30.48	29.16	3.38	32.06	---	---	Peak
6 *	893.80	58.49			57.91	29.01	3.42	31.85	---	---	Peak
7	944.00	33.41	-12.59	46.00	30.77	30.53	3.50	31.39	---	---	Peak
8	2954.00	39.62	-34.38	74.00	65.54	28.31	7.66	61.89	---	---	Peak
9	4748.00	41.19	-32.81	74.00	63.75	31.20	8.54	62.30	---	---	Peak
10	6898.00	43.67	-30.33	74.00	61.73	34.98	10.44	63.48	---	---	Peak
11	8890.00	45.82	-28.18	74.00	61.03	37.54	11.82	64.57	---	---	Peak
12	10500.00	47.73	-26.27	74.00	59.79	39.50	12.84	64.40	100	0 Peak	
13	11360.00	47.62	-26.38	74.00	58.53	39.46	13.50	63.87	---	---	Peak
14	13602.00	45.74	-28.26	74.00	54.36	40.30	14.44	63.36	---	---	Peak
15	16962.00	46.05	-27.95	74.00	53.02	39.62	16.56	63.15	---	---	Peak
16	19608.00	47.42	-36.12	83.54	44.80	37.64	19.02	54.04	---	---	Peak



Mode :	Mode 4	Temperature :	22~23°C
Test Engineer :	Lewis He	Relative Humidity :	52~53%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		

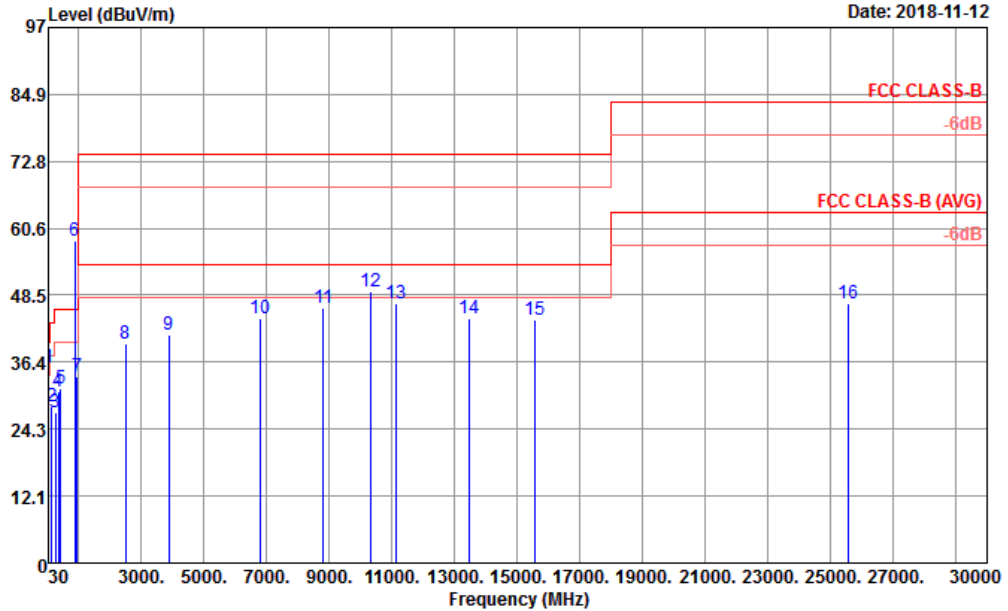


Site : 03CH10-HY  
 Condition : FCC CLASS-B 1m HORN\_9170\_40G\_0584 HORIZONTAL  
 Power : DC12V

	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	21.95	-18.05	40.00	29.50	24.57	0.58	32.78	---	---	Peak
2	194.70	24.36	-19.14	43.50	40.20	14.89	1.47	32.59	---	---	Peak
3	267.87	26.67	-19.33	46.00	37.79	19.35	1.72	32.60	---	---	Peak
4	340.60	30.97	-15.03	46.00	41.19	20.04	1.94	32.61	---	---	Peak
5	414.10	30.63	-15.37	46.00	38.33	22.35	2.15	32.62	---	---	Peak
6 *	881.70	56.33			55.42	28.97	3.17	31.92	---	---	Peak
7	943.30	33.35	-12.65	46.00	30.30	30.37	3.28	31.40	100	0	Peak
8	2904.00	39.93	-34.07	74.00	66.05	28.21	7.55	61.88	---	---	Peak
9	4414.00	41.22	-32.78	74.00	64.52	30.23	8.77	62.30	---	---	Peak
10	6956.00	44.41	-29.59	74.00	62.34	35.22	10.40	63.55	---	---	Peak
11	8852.00	45.91	-28.09	74.00	60.93	37.69	11.81	64.52	---	---	Peak
12	10744.00	48.48	-25.52	74.00	59.88	39.68	13.03	64.11	100	0	Peak
13	11132.00	48.08	-25.92	74.00	59.05	39.54	13.32	63.83	---	---	Peak
14	15264.00	45.02	-28.98	74.00	53.47	39.18	15.42	63.05	---	---	Peak
15	16728.00	46.16	-27.84	74.00	53.80	39.42	16.37	63.43	---	---	Peak
16	26916.00	46.48	-37.06	83.54	36.95	40.15	22.48	53.10	---	---	Peak



Mode :	Mode 4	Temperature :	22~23°C
Test Engineer :	Lewis He	Relative Humidity :	52~53%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		

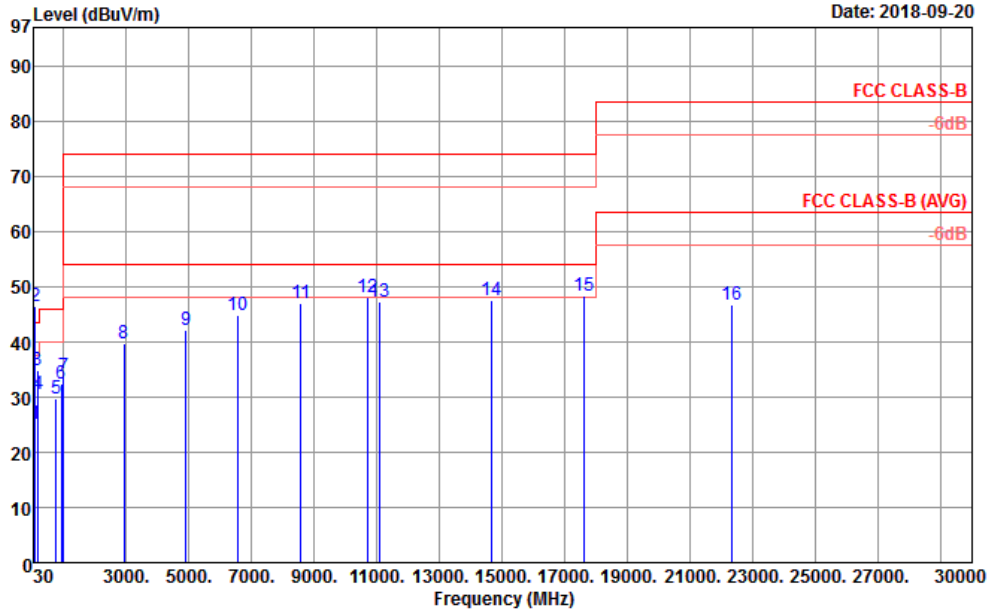


Site : 03CH10-HY  
 Condition : FCC CLASS-B 1m HORN\_9170\_40G\_0584 VERTICAL  
 Power : DC12V

	Freq	Level	ver 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	31.35	35.40	-4.60	40.00	43.44	24.07	0.59	32.78	100	0 Peak
2	133.41	28.46	-15.04	43.50	42.13	17.45	1.21	32.64	---	--- Peak
3	266.79	27.40	-18.60	46.00	38.47	19.40	1.72	32.60	---	--- Peak
4	340.60	31.03	-14.97	46.00	41.25	20.04	1.94	32.61	---	--- Peak
5	414.80	31.52	-14.48	46.00	39.17	22.40	2.15	32.62	---	--- Peak
6 *	881.70	58.48			57.57	28.97	3.17	31.92	---	--- Peak
7	957.30	33.88	-12.12	46.00	30.04	30.99	3.30	31.26	---	--- Peak
8	2494.00	39.73	-34.27	74.00	67.28	27.22	7.03	61.80	---	--- Peak
9	3870.00	41.33	-32.67	74.00	65.69	29.54	8.37	62.27	---	--- Peak
10	6784.00	44.43	-29.57	74.00	62.76	34.54	10.47	63.34	---	--- Peak
11	8802.00	46.18	-27.82	74.00	61.15	37.70	11.79	64.46	---	--- Peak
12	10338.00	49.07	-24.93	74.00	61.53	39.35	12.72	64.53	100	0 Peak
13	11126.00	46.97	-27.03	74.00	57.93	39.55	13.32	63.83	---	--- Peak
14	13446.00	44.38	-29.62	74.00	53.51	39.94	14.32	63.39	---	--- Peak
15	15540.00	43.94	-30.06	74.00	53.32	38.08	15.57	63.03	---	--- Peak
16	25572.00	47.03	-36.51	83.54	39.76	39.31	21.36	53.40	---	--- Peak



Mode :	Mode 5	Temperature :	22~23°C
Test Engineer :	Lewis He	Relative Humidity :	52~53%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#2 is system simulator signal which can be ignored.		

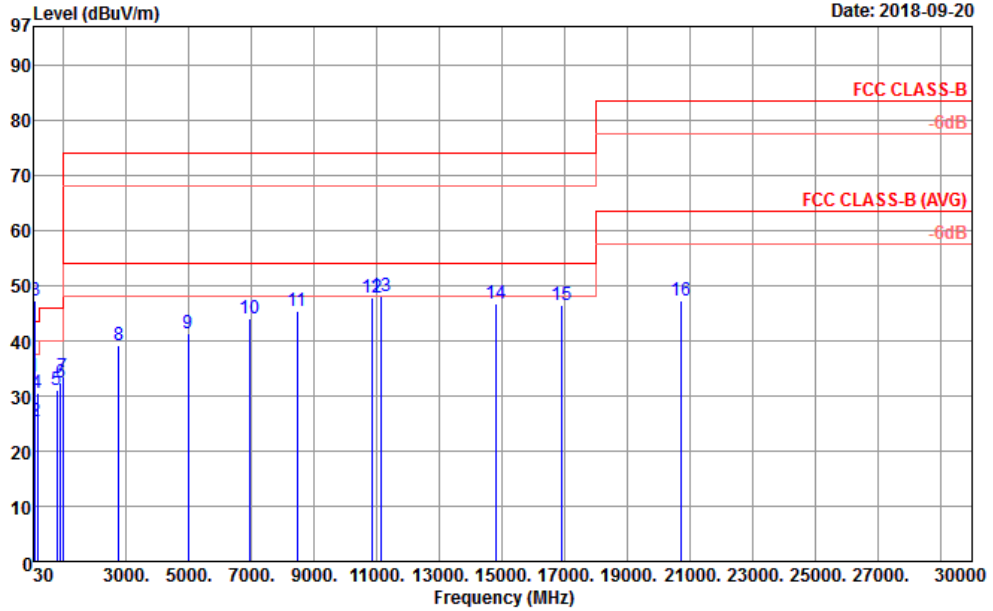


Site : 03CH10-HY  
 Condition : FCC CLASS-B 1m HORN\_9170\_406\_0584 HORIZONTAL  
 Power : 120Vac/60Hz

	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	84.54	25.00	-15.00	40.00	42.61	13.88	1.00	32.73	---	---	Peak
2 *	88.00	46.52			63.50	14.49	1.00	32.72	---	---	Peak
3	153.66	34.92	-8.58	43.50	48.93	16.94	1.33	32.67	100	0	Peak
4	182.28	30.41	-13.09	43.50	46.21	15.01	1.41	32.65	---	---	Peak
5	755.70	29.60	-16.40	46.00	30.49	28.32	2.90	32.71	---	---	Peak
6	924.40	32.55	-13.45	46.00	30.86	29.49	3.26	31.82	---	---	Peak
7	988.10	33.67	-20.33	54.00	29.94	30.68	3.34	31.10	---	---	Peak
8	2934.00	39.61	-34.39	74.00	67.09	28.35	6.06	61.89	---	---	Peak
9	4900.00	42.15	-31.85	74.00	64.76	31.31	8.38	62.30	---	---	Peak
10	6552.00	44.83	-29.17	74.00	64.01	34.33	9.55	63.06	---	---	Peak
11	8560.00	46.90	-27.10	74.00	63.26	36.89	10.92	64.17	---	---	Peak
12	10726.00	48.00	-26.00	74.00	60.16	39.88	12.09	64.13	---	---	Peak
13	11102.00	47.21	-26.79	74.00	58.59	40.04	12.40	63.82	---	---	Peak
14	14640.00	47.61	-26.39	74.00	54.44	41.31	15.10	63.24	---	---	Peak
15	17598.00	48.26	-25.74	74.00	50.21	43.46	17.05	62.46	100	0	Peak
16	22332.00	46.79	-36.75	83.54	40.60	38.47	21.15	53.43	---	---	Peak



Mode :	Mode 5	Temperature :	22~23°C
Test Engineer :	Lewis He	Relative Humidity :	52~53%
Test Distance :	3m	Polarization :	Vertical
Remark :	#3 is system simulator signal which can be ignored.		



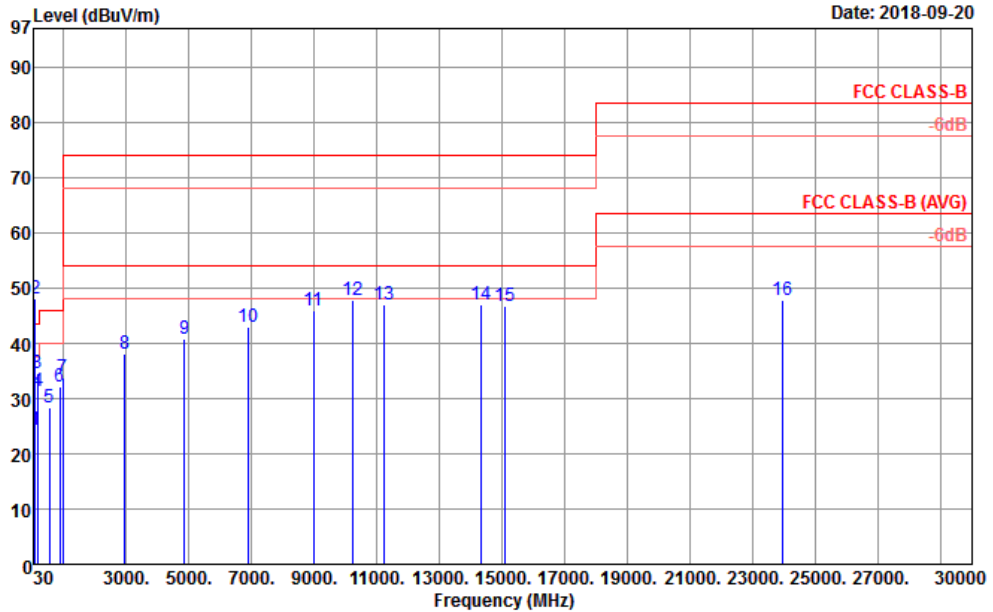
Site : 03CH10-HY  
 Condition : FCC CLASS-B 1m HORN\_9170\_40G\_0584 VERTICAL  
 Power : 120Vac/60Hz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	39.72	33.60	-6.40	40.00	46.02	19.46	0.78	32.77	100	0	Peak
2	84.00	25.53	-14.47	40.00	43.14	13.88	1.00	32.73	---	---	Peak
3 *	88.00	47.23			64.21	14.49	1.00	32.72	---	---	Peak
4	153.66	30.42	-13.08	43.50	44.43	16.94	1.33	32.67	---	---	Peak
5	773.20	31.04	-14.96	46.00	31.78	28.40	2.93	32.69	---	---	Peak
6	906.20	32.47	-13.53	46.00	31.48	29.07	3.22	32.02	---	---	Peak
7	972.00	33.48	-20.52	54.00	29.63	31.00	3.32	31.28	---	---	Peak
8	2756.00	39.20	-34.80	74.00	67.29	27.95	5.81	61.85	---	---	Peak
9	4968.00	41.31	-32.69	74.00	63.83	31.44	8.34	62.30	---	---	Peak
10	6956.00	44.12	-29.88	74.00	62.66	35.37	9.64	63.55	---	---	Peak
11	8460.00	45.33	-28.67	74.00	61.74	36.82	10.83	64.06	---	---	Peak
12	10840.00	47.89	-26.11	74.00	59.71	39.98	12.19	63.99	---	---	Peak
13	11130.00	48.12	-25.88	74.00	59.50	40.02	12.43	63.83	100	0	Peak
14	14802.00	46.78	-27.22	74.00	53.84	40.94	15.18	63.18	---	---	Peak
15	16890.00	46.42	-27.58	74.00	53.49	39.67	16.49	63.23	---	---	Peak
16	20712.00	47.40	-36.14	83.54	43.03	37.88	19.85	53.36	---	---	Peak





Mode :	Mode 6	Temperature :	22~23°C
Test Engineer :	Lewis He	Relative Humidity :	52~53%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#2 is system simulator signal which can be ignored.		



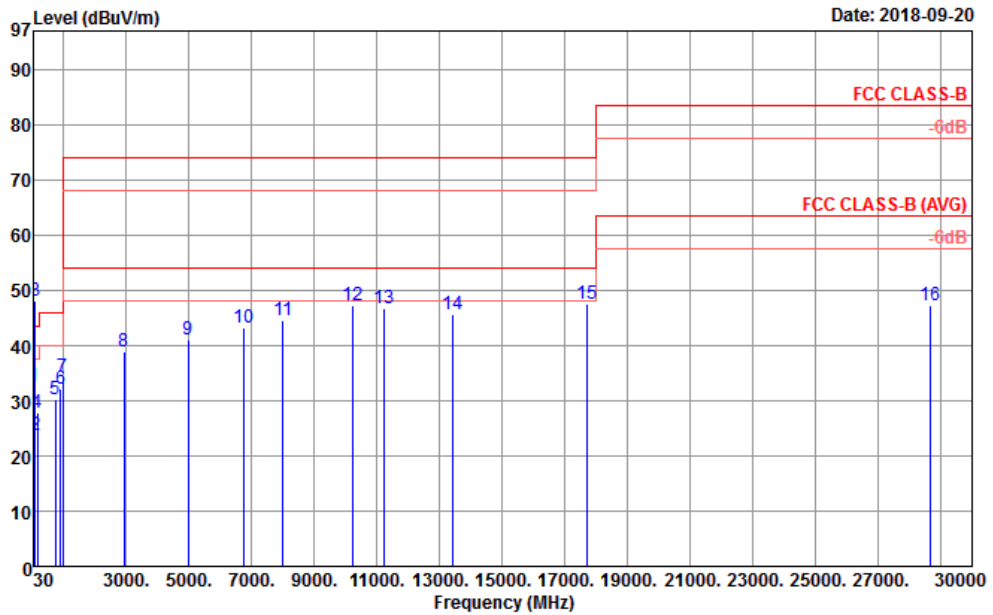
Site : 03CH10-HY  
 Condition : FCC CLASS-B 1m HORN\_9170\_40G\_0584 HORIZONTAL  
 Power : 120Vac/60Hz

	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	83.19	24.39	-15.61	40.00	42.13	13.76	1.00	32.73	---	---	Peak
2 *	98.00	48.03			63.76	15.69	1.05	32.71	---	---	Peak
3	156.90	34.68	-8.82	43.50	48.83	16.78	1.33	32.67	100	0	Peak
4	176.07	31.28	-12.22	43.50	46.82	15.28	1.41	32.66	---	---	Peak
5	533.80	28.32	-17.68	46.00	33.91	24.12	2.43	32.70	---	---	Peak
6	879.60	32.25	-13.75	46.00	31.50	29.10	3.16	32.20	---	---	Peak
7	969.90	33.85	-20.15	54.00	30.00	31.02	3.32	31.30	---	---	Peak
8	2952.00	38.09	-35.91	74.00	65.50	28.39	6.09	61.89	---	---	Peak
9	4852.00	40.83	-33.17	74.00	63.48	31.25	8.40	62.30	---	---	Peak
10	6884.00	43.05	-30.95	74.00	61.85	35.19	9.47	63.46	---	---	Peak
11	8966.00	46.03	-27.97	74.00	62.23	37.45	11.01	64.66	---	---	Peak
12	10238.00	47.80	-26.20	74.00	61.46	39.27	11.68	64.61	100	0	Peak
13	11232.00	46.96	-27.04	74.00	58.34	39.96	12.51	63.85	---	---	Peak
14	14346.00	46.95	-27.05	74.00	53.95	41.32	14.95	63.27	---	---	Peak
15	15096.00	46.76	-27.24	74.00	54.37	40.14	15.33	63.08	---	---	Peak
16	23952.00	47.81	-35.73	83.54	40.39	39.78	21.10	53.46	---	---	Peak





Mode :	Mode 6	Temperature :	22~23°C
Test Engineer :	Lewis He	Relative Humidity :	52~53%
Test Distance :	3m	Polarization :	Vertical
Remark :	#3 is system simulator signal which can be ignored.		

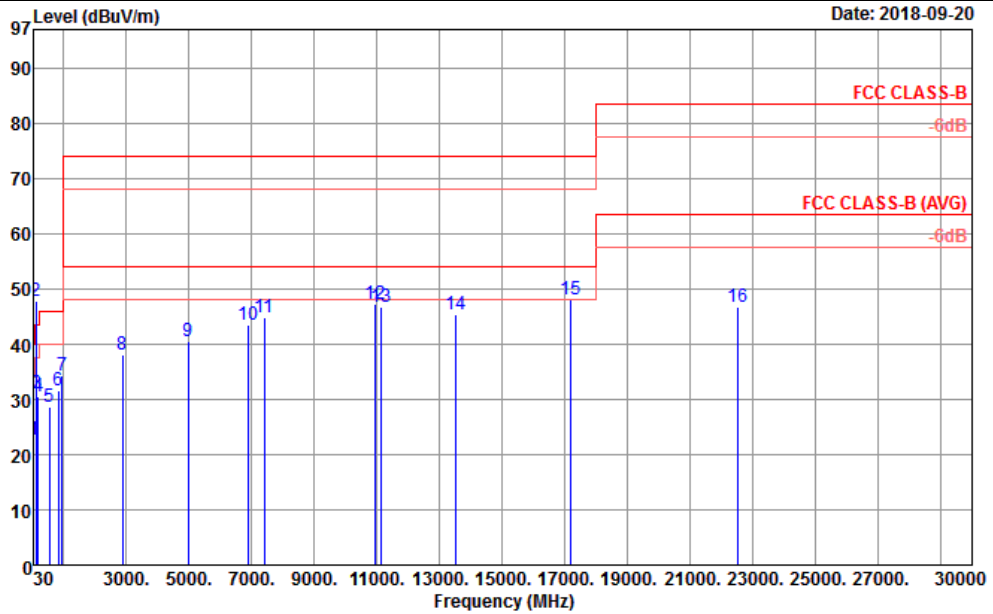


Site : 03CH10-HY  
 Condition : FCC CLASS-B 1m HORN\_9170\_40G\_0584 VERTICAL  
 Power : 120Vac/60Hz

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	40.26	32.67	-7.33	40.00	45.61	18.94	0.78	32.77	100	0 Peak	
2	82.11	23.88	-16.12	40.00	41.77	13.63	1.00	32.73	---	---	Peak
3 *	98.00	47.97			63.70	15.69	1.05	32.71	---	---	Peak
4	150.69	27.85	-15.65	43.50	41.76	17.05	1.33	32.67	---	---	Peak
5	738.90	30.32	-15.68	46.00	31.45	28.13	2.87	32.73	---	---	Peak
6	888.00	32.06	-13.94	46.00	31.29	29.04	3.19	32.16	---	---	Peak
7	967.10	34.34	-19.66	54.00	30.49	31.05	3.32	31.33	---	---	Peak
8	2930.00	38.99	-35.01	74.00	66.49	28.35	6.04	61.89	---	---	Peak
9	4972.00	41.14	-32.86	74.00	63.63	31.47	8.34	62.30	---	---	Peak
10	6772.00	43.10	-30.90	74.00	62.15	34.92	9.36	63.33	---	---	Peak
11	8004.00	44.45	-29.55	74.00	60.52	37.10	10.43	63.60	---	---	Peak
12	10222.00	47.39	-26.61	74.00	61.10	39.25	11.66	64.62	---	---	Peak
13	11250.00	46.78	-27.22	74.00	58.16	39.95	12.52	63.85	---	---	Peak
14	13416.00	45.76	-28.24	74.00	54.88	39.96	14.30	63.38	---	---	Peak
15	17700.00	47.62	-26.38	74.00	48.08	44.84	17.12	62.42	100	0 Peak	
16	28644.00	47.30	-36.24	83.54	37.84	39.93	24.05	54.52	---	---	Peak



Mode :	Mode 7	Temperature :	22~23°C
Test Engineer :	Lewis He	Relative Humidity :	52~53%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#2 is system simulator signal which can be ignored.		

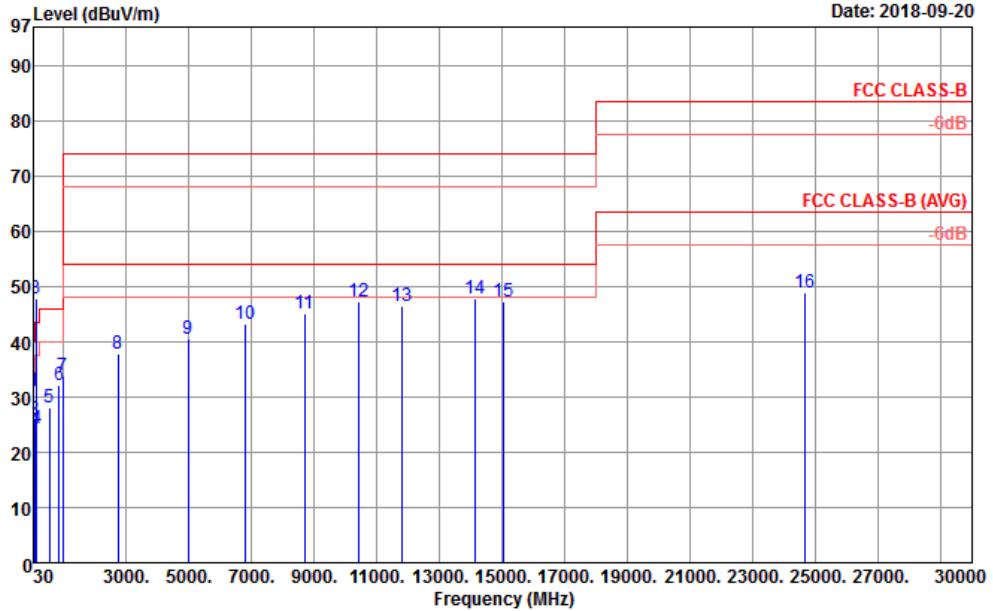


Site : 03CH10-HY  
 Condition : FCC CLASS-B 1m HORN\_9170\_40G\_0584 HORIZONTAL  
 Power : 120Vac/60Hz

	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	30.54	22.60	-17.40	40.00	30.63	24.07	0.60	32.78	---	---	Peak
2 *	108.00	47.88			62.54	16.75	1.05	32.70	---	---	Peak
3	148.53	31.02	-12.48	43.50	44.86	17.14	1.33	32.68	---	---	Peak
4	177.96	30.48	-13.02	43.50	46.11	15.19	1.41	32.66	---	---	Peak
5	533.80	28.54	-17.46	46.00	34.13	24.12	2.43	32.70	---	---	Peak
6	837.60	31.57	-14.43	46.00	31.56	28.70	3.09	32.44	---	---	Peak
7	953.10	34.33	-11.67	46.00	30.91	30.81	3.29	31.49	100	0	Peak
8	2888.00	38.13	-35.87	74.00	65.78	28.24	5.99	61.88	---	---	Peak
9	4974.00	40.53	-33.47	74.00	63.02	31.47	8.34	62.30	---	---	Peak
10	6874.00	43.38	-30.62	74.00	62.17	35.19	9.47	63.45	---	---	Peak
11	7406.00	44.81	-29.19	74.00	62.00	36.41	10.08	63.68	---	---	Peak
12	10960.00	47.27	-26.73	74.00	58.77	40.07	12.28	63.85	---	---	Peak
13	11138.00	46.86	-27.14	74.00	58.24	40.02	12.43	63.83	---	---	Peak
14	13518.00	45.52	-28.48	74.00	54.40	40.12	14.39	63.39	---	---	Peak
15	17166.00	48.06	-25.94	74.00	53.54	40.70	16.72	62.90	100	0	Peak
16	22512.00	46.85	-36.69	83.54	40.49	38.62	21.14	53.40	---	---	Peak



Mode :	Mode 7	Temperature :	22~23°C
Test Engineer :	Lewis He	Relative Humidity :	52~53%
Test Distance :	3m	Polarization :	Vertical
Remark :	#3 is system simulator signal which can be ignored.		

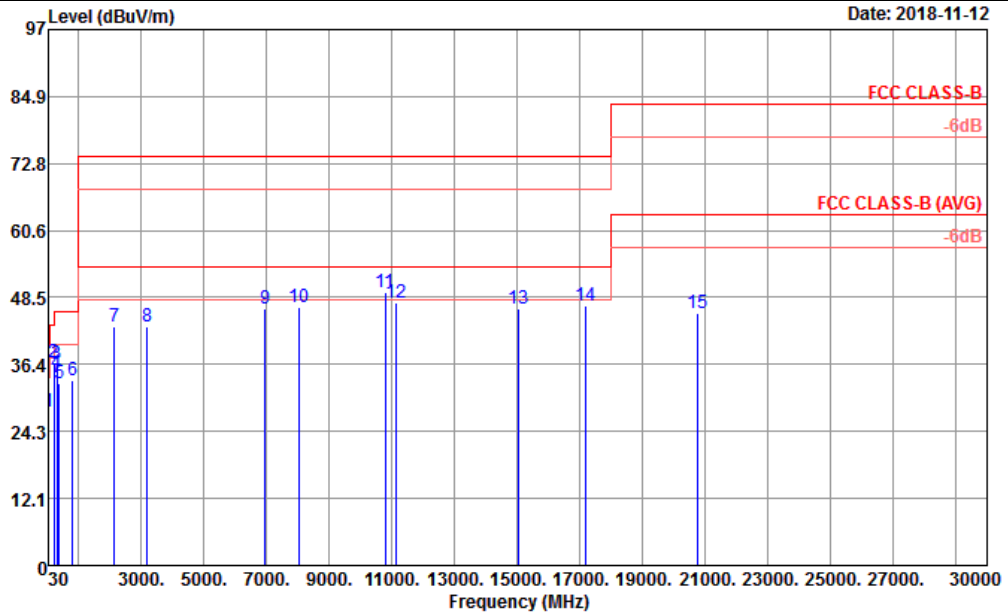


Site : 03CH10-HY  
 Condition : FCC CLASS-B 1m HORN\_9170\_40G\_0584 VERTICAL  
 Power : 120Vac/60Hz

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Preamp	A/Pos	T/Pos	Remark		
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	40.26	31.09	-8.91	40.00	44.03	18.94	0.78	32.77	100	0	Peak
2	72.66	25.93	-14.07	40.00	44.94	12.68	0.88	32.74	---	---	Peak
3 *	108.00	47.90			62.56	16.75	1.05	32.70	---	---	Peak
4	148.80	24.37	-19.13	43.50	38.21	17.14	1.33	32.68	---	---	Peak
5	533.80	28.01	-17.99	46.00	33.60	24.12	2.43	32.70	---	---	Peak
6	861.40	32.09	-13.91	46.00	31.42	29.18	3.13	32.31	---	---	Peak
7	967.10	33.73	-20.27	54.00	29.88	31.05	3.32	31.33	---	---	Peak
8	2736.00	37.72	-36.28	74.00	65.87	27.91	5.79	61.85	---	---	Peak
9	4970.00	40.53	-33.47	74.00	63.02	31.47	8.34	62.30	---	---	Peak
10	6796.00	43.22	-30.78	74.00	62.31	34.96	9.31	63.36	---	---	Peak
11	8684.00	45.23	-28.77	74.00	61.67	37.06	10.82	64.32	---	---	Peak
12	10432.00	47.26	-26.74	74.00	60.28	39.59	11.84	64.45	---	---	Peak
13	11802.00	46.49	-27.51	74.00	58.31	39.33	12.99	64.14	---	---	Peak
14	14124.00	47.78	-26.22	74.00	55.25	40.92	14.83	63.22	100	0	Peak
15	15054.00	47.31	-26.69	74.00	54.81	40.28	15.31	63.09	---	---	Peak
16	24660.00	48.85	-34.69	83.54	40.63	40.28	21.21	53.27	---	---	Peak



Mode :	Mode 8	Temperature :	22~23°C
Test Engineer :	Lewis He	Relative Humidity :	52~53%
Test Distance :	3m	Polarization :	Horizontal

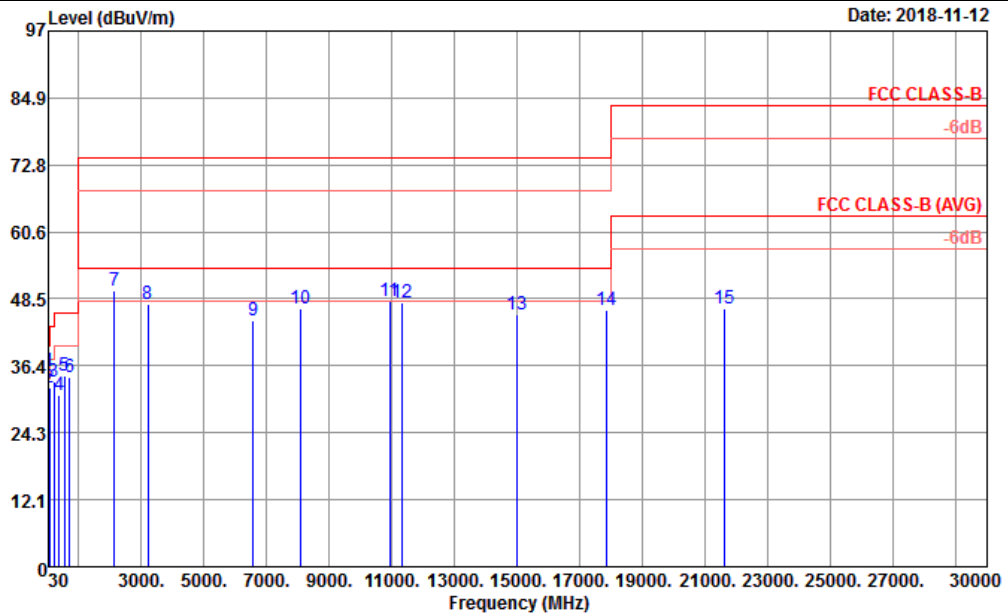


Site : 03CH10-HY  
 Condition : FCC CLASS-B 1m HORN\_9170\_406\_0584 HORIZONTAL  
 Power : From System

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	47.28	27.90	-12.10	40.00	44.19	15.61	0.72	32.75	---	---	Peak
2	211.98	36.79	-6.71	43.50	52.30	15.16	1.53	32.59	100	0	Peak
3	298.11	36.37	-9.63	46.00	47.68	19.09	1.82	32.61	---	---	Peak
4	302.10	34.79	-11.21	46.00	45.99	19.18	1.84	32.61	---	---	Peak
5	373.50	32.97	-13.03	46.00	42.24	20.90	2.04	32.62	---	---	Peak
6	799.80	33.57	-12.43	46.00	33.94	28.36	3.00	32.37	---	---	Peak
7	2128.00	43.31	-30.69	74.00	71.59	27.14	6.31	61.73	---	---	Peak
8	3192.00	43.36	-30.64	74.00	68.86	28.62	7.90	62.02	---	---	Peak
9	6948.00	46.45	-27.55	74.00	64.39	35.19	10.41	63.54	---	---	Peak
10	8056.00	46.67	-27.33	74.00	62.07	37.01	11.25	63.66	---	---	Peak
11	10776.00	49.51	-24.49	74.00	60.73	39.80	13.05	64.07	100	0	Peak
12	11148.00	47.50	-26.50	74.00	58.50	39.50	13.33	63.83	---	---	Peak
13	15030.00	46.54	-27.46	74.00	53.85	40.48	15.30	63.09	---	---	Peak
14	17160.00	46.99	-27.01	74.00	53.27	39.92	16.71	62.91	---	---	Peak
15	20736.00	45.66	-37.88	83.54	41.24	37.89	19.88	53.35	---	---	Peak



Mode :	Mode 8	Temperature :	22~23°C
Test Engineer :	Lewis He	Relative Humidity :	52~53%
Test Distance :	3m	Polarization :	Vertical

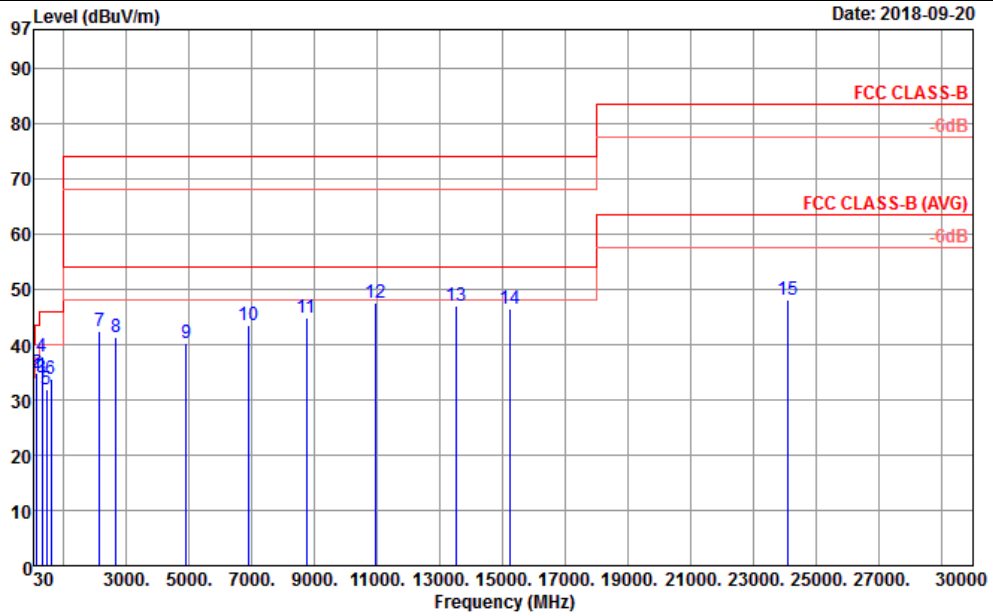


Site : 03CH10-HY  
 Condition : FCC CLASS-B 1m HORN\_9170\_40G\_0584 VERTICAL  
 Power : From System

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		
1	46.74	35.46	-4.54	40.00	51.28	16.08	0.72	32.75	100	0 Peak	
2	59.43	32.42	-7.58	40.00	52.21	11.99	0.81	32.73	---	---	Peak
3	207.12	33.43	-10.07	43.50	49.04	15.08	1.51	32.59	---	---	Peak
4	379.10	30.98	-15.02	46.00	40.14	21.00	2.05	32.62	---	---	Peak
5	532.40	34.55	-11.45	46.00	40.13	24.11	2.43	32.67	---	---	Peak
6	713.00	34.42	-11.58	46.00	36.56	26.98	2.83	32.54	---	---	Peak
7	2128.00	49.96	-24.04	74.00	78.24	27.14	6.31	61.73	100	0 Peak	
8	3200.00	47.43	-26.57	74.00	72.94	28.60	7.91	62.02	---	---	Peak
9	6572.00	44.66	-29.34	74.00	63.20	34.34	10.21	63.09	---	---	Peak
10	8080.00	46.76	-27.24	74.00	62.13	37.06	11.25	63.68	---	---	Peak
11	10926.00	47.98	-26.02	74.00	58.68	40.03	13.16	63.89	---	---	Peak
12	11340.00	47.83	-26.17	74.00	58.78	39.44	13.48	63.87	---	---	Peak
13	15006.00	45.53	-28.47	74.00	52.76	40.58	15.29	63.10	---	---	Peak
14	17844.00	46.47	-27.53	74.00	47.30	44.29	17.24	62.36	---	---	Peak
15	21600.00	46.71	-36.83	83.54	41.26	38.12	20.75	53.42	---	---	Peak



Mode :	Mode 9	Temperature :	22~23°C
Test Engineer :	Lewis He	Relative Humidity :	52~53%
Test Distance :	3m	Polarization :	Horizontal

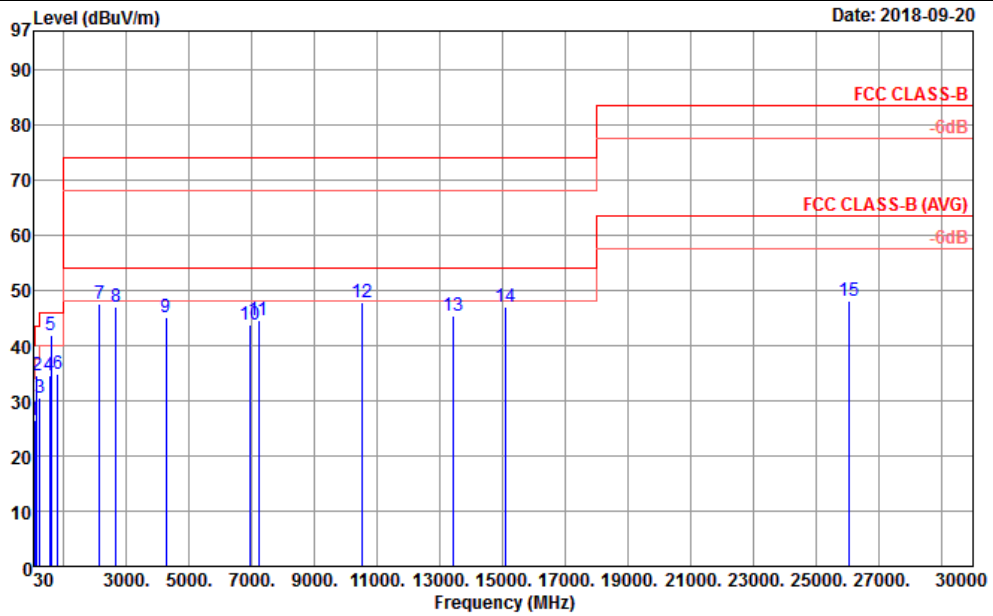


Site : 03CH10-HY  
 Condition : FCC CLASS-B 1m HORN\_9170\_406\_0584 HORIZONTAL  
 Power : From System

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	137.46	34.33	-9.17	43.50	47.98	17.47	1.24	32.68	---	---	Peak
2	143.67	34.93	-8.57	43.50	48.68	17.34	1.24	32.68	---	---	Peak
3	299.46	34.12	-11.88	46.00	45.36	19.13	1.83	32.59	---	---	Peak
4	315.40	37.79	-8.21	46.00	48.71	19.39	1.88	32.59	100	0	Peak
5	444.90	31.95	-14.05	46.00	38.90	22.98	2.24	32.62	---	---	Peak
6	600.30	33.69	-12.31	46.00	37.67	25.68	2.59	32.82	---	---	Peak
7	2132.00	42.37	-31.63	74.00	72.66	26.39	5.05	61.73	---	---	Peak
8	2656.00	41.34	-32.66	74.00	69.76	27.73	5.68	61.83	---	---	Peak
9	4904.00	40.21	-33.79	74.00	62.79	31.34	8.38	62.30	---	---	Peak
10	6880.00	43.58	-30.42	74.00	62.38	35.19	9.47	63.46	---	---	Peak
11	8748.00	44.86	-29.14	74.00	61.36	37.15	10.75	64.40	---	---	Peak
12	10936.00	47.67	-26.33	74.00	59.24	40.04	12.27	63.88	100	0	Peak
13	13500.00	47.13	-26.87	74.00	56.06	40.10	14.37	63.40	---	---	Peak
14	15210.00	46.59	-27.41	74.00	54.62	39.63	15.40	63.06	---	---	Peak
15	24108.00	48.07	-35.47	83.54	40.46	39.95	21.12	53.46	---	---	Peak



Mode :	Mode 9	Temperature :	22~23°C
Test Engineer :	Lewis He	Relative Humidity :	52~53%
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	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	76.98	26.52	-13.48	40.00	45.05	13.03	1.00	32.73	---	---	Peak
2	143.67	34.53	-8.97	43.50	48.28	17.34	1.24	32.68	---	---	Peak
3	227.10	30.57	-15.43	46.00	45.26	15.94	1.60	32.63	---	---	Peak
4	533.10	34.71	-11.29	46.00	40.30	24.12	2.43	32.70	---	---	Peak
5	600.30	41.91	-4.09	46.00	45.89	25.68	2.59	32.82	100	345	QP
6	799.80	34.73	-11.27	46.00	35.38	28.36	3.00	32.65	---	---	Peak
7	2130.00	47.50	-26.50	74.00	77.84	26.34	5.05	61.73	---	---	Peak
8	2656.00	47.05	-26.95	74.00	75.47	27.73	5.68	61.83	---	---	Peak
9	4248.00	45.15	-28.85	74.00	69.77	30.15	7.53	62.30	---	---	Peak
10	6956.00	43.73	-30.27	74.00	62.27	35.37	9.64	63.55	---	---	Peak
11	7218.00	44.69	-29.31	74.00	62.19	35.99	10.15	63.64	---	---	Peak
12	10528.00	47.89	-26.11	74.00	60.63	39.71	11.92	64.37	100	0	Peak
13	13434.00	45.40	-28.60	74.00	54.49	39.99	14.31	63.39	---	---	Peak
14	15066.00	47.13	-26.87	74.00	54.62	40.28	15.32	63.09	---	---	Peak
15	26040.00	48.20	-35.34	83.54	40.67	39.44	21.47	53.38	---	---	Peak

—————THE END—————