



# FCC EMI TEST REPORT

**FCC ID** : PY7-67200Y  
**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. 14, 2018 and testing was started from Sep. 09, 2018 and completed on Dec. 11, 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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### 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 7.50 dB at 1.066 MHz
3.2	15.109	Radiated Emission	Pass	Under limit 5.70 dB at 165.270 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	
<b>Antenna Type</b>	WWAN Antenna Main 1: PIFA Antenna Main 2: PIFA Antenna WLAN: Coupling Antenna Bluetooth: Coupling Antenna GPS / Glonass / BDS / Galileo / SBAS: Coupling Antenna NFC: Single loop Antenna FM: Using earphone as antenna

EUT Information List			
HW Version	SW Version	S/N	Performed Test Item
A	1.27	CQ300195LJ	Conducted Emission
		CQ300195LL	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:**

- Above EUT list used are electrically identical per declared by manufacturer.
- 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. .
- For other wireless features of this EUT, test report will be issued separately.

## 1.2. Modification of EUT

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



### 1.3. Test Location

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

<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	03CH06-HY

### 1.4. Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC 47 CFR FCC Part 15 Subpart B
- ♦ ANSI C63.4-2014

**Remark:** 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

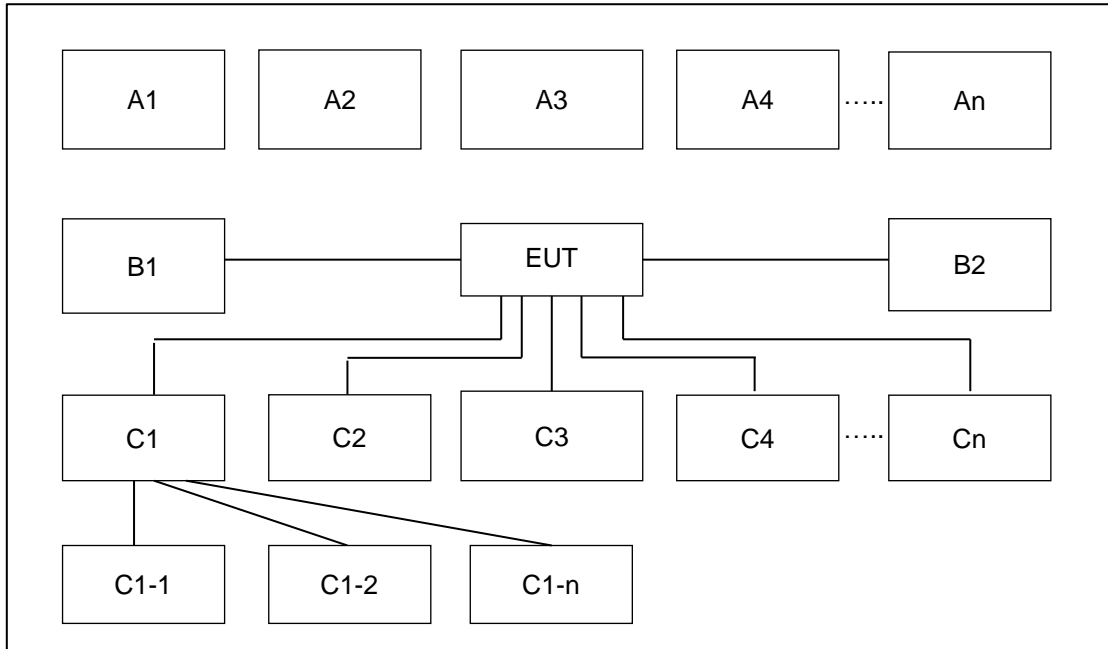
The EUT has been associated with peripherals pursuant to ANSI C63.4-2014 and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (30MHz to the 5th harmonic 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.

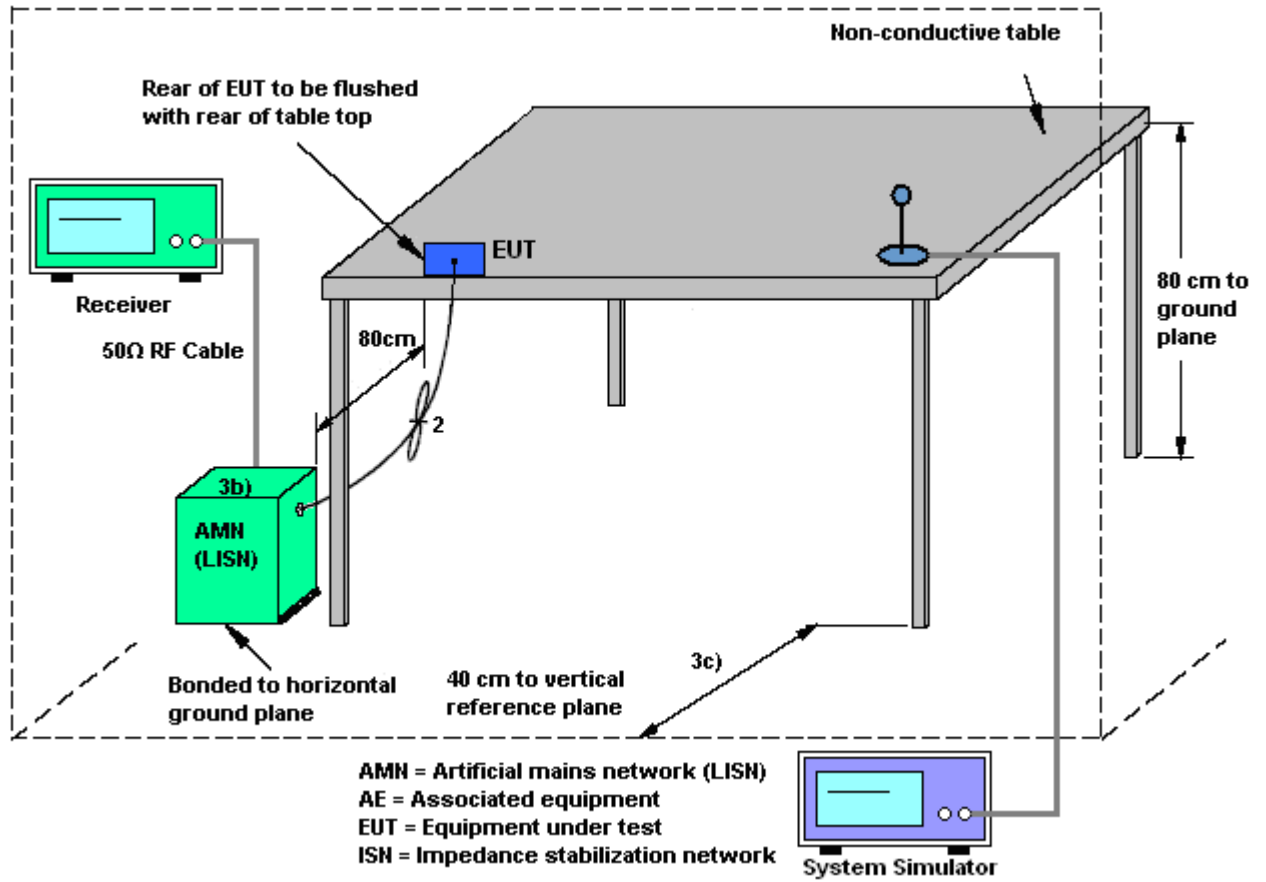
##### 3.1.2 Measuring Instruments

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

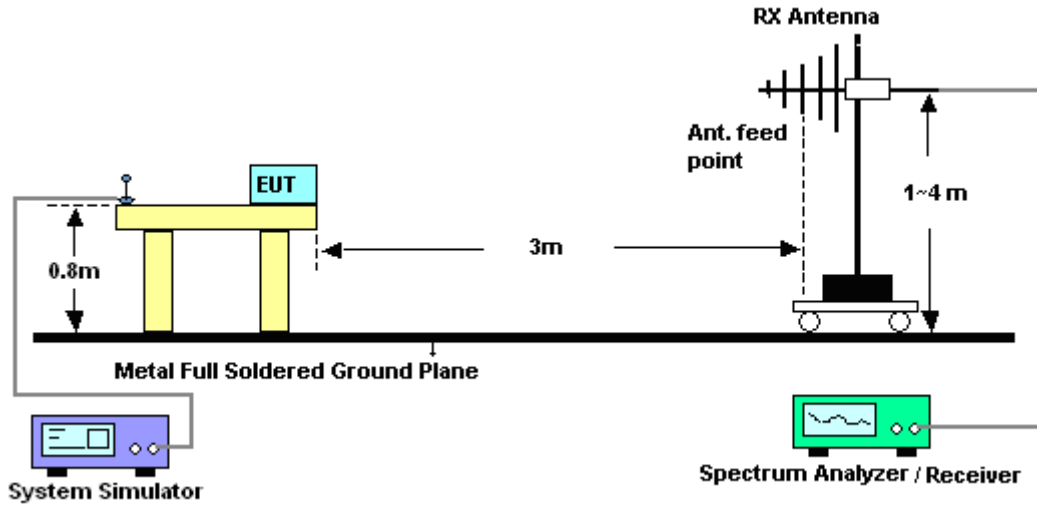
Refer a test equipment and calibration data table in this test report.

### 3.2.3. Test Procedures

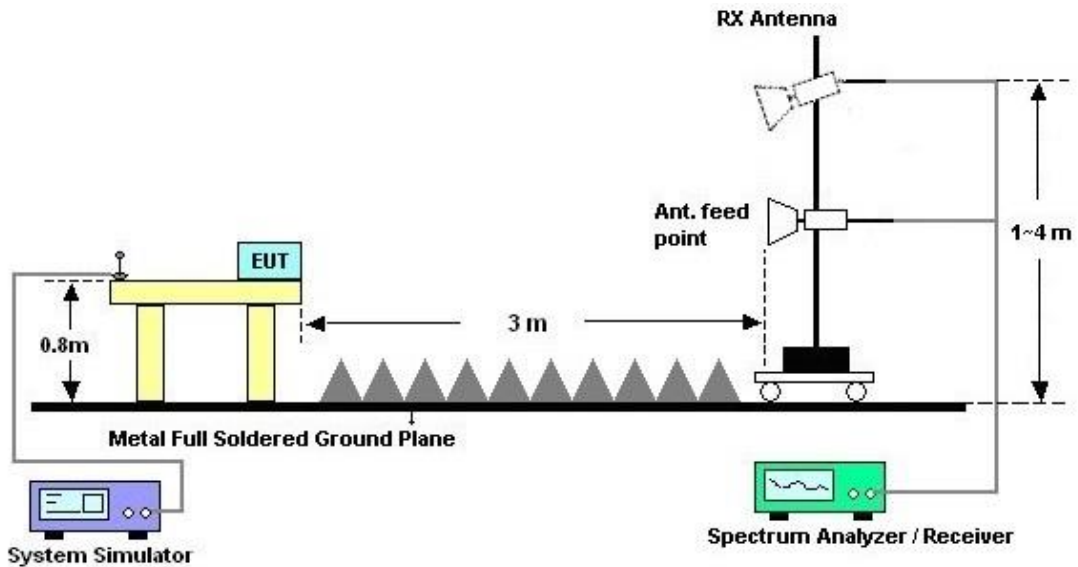
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna 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 (dB $\mu$ V/m) = 20 log Emission level ( $\mu$ V/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. 08, 2018~ Dec. 10, 2018	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Dec. 08, 2017	Sep. 08, 2018~ Nov. 08, 2018	Dec. 07, 2018	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Nov. 12, 2018	Dec. 10, 2018	Nov. 11, 2019	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Mar. 06, 2018	Sep. 08, 2018~ Dec. 10, 2018	Mar. 05, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 30, 2017	Sep. 08, 2018~ Nov. 08, 2018	Nov. 29, 2018	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Dec. 10, 2018	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Dec. 08, 2017	Sep. 08, 2018~ Nov. 08, 2018	Dec. 07, 2018	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Dec. 10, 2018	Nov. 08, 2019	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 03, 2018	Sep. 08, 2018~ Dec. 10, 2018	Jan. 02, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Sep. 08, 2018~ Dec. 10, 2018	N/A	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 03, 2018	Sep. 08, 2018~ Dec. 10, 2018	Jan. 02, 2019	Conduction (CO05-HY)
Bilog Antenna	Schaffner	CBL6111C&N-6-06	2725&AT-N0601	30MHz~1GHz	Oct. 14, 2017	Sep. 15, 2018	Oct. 13, 2018	Radiation (03CH06-HY)
Bilog Antenna	Schaffner	CBL6111C&N-6-06	2725&AT-N0601	30MHz~1GHz	Oct. 13, 2018	Nov. 04, 2018~ Dec. 11, 2018	Oct. 12, 2019	Radiation (03CH06-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100472	20Hz~26.5GHz	Jan. 04, 2018	Sep. 15, 2018~ Dec. 11, 2018	Jan. 03, 2019	Radiation (03CH06-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Apr. 17, 2018	Sep. 15, 2018~ Dec. 11, 2018	Apr. 16, 2019	Radiation (03CH06-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1156	1GHz~18GHz	Aug. 24, 2018	Sep. 15, 2018~ Dec. 11, 2018	Aug. 23, 2019	Radiation (03CH06-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz- 40GHz	Nov. 10, 2017	Sep. 15, 2018~ Nov. 04, 2018	Nov. 09, 2018	Radiation (03CH06-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz- 40GHz	Nov. 20, 2018	Dec. 11, 2018	Nov. 19, 2019	Radiation (03CH06-HY)
Preamplifier	SONOMA	310N	186713	9kHz~1GHz	May 02, 2018	Sep. 15, 2018~ Dec. 11, 2018	May 01, 2019	Radiation (03CH06-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz ~ 18GHz	Apr. 25, 2018	Sep. 15, 2018~ Dec. 11, 2018	Apr. 24, 2019	Radiation (03CH06-HY)
Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz, VSWR : 2.5:1 max	Jul. 16, 2018	Sep. 15, 2018~ Dec. 11, 2018	Jul. 15, 2019	Radiation (03CH06-HY)





Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
RF Cable	HUBER+SUHNER/UTIFLEX	SUCOFLEX 104 / UFA210A	MY24966/4 / LF-01	30MHz-1GHz	Nov. 24, 2017	Sep. 15, 2018~Nov. 04, 2018	Nov. 23, 2018	Radiation (03CH06-HY)
RF Cable	HUBER+SUHNER/UTIFLEX	SUCOFLEX 104 / UFA210A	MY24966/4 / LF-01	30MHz-1GHz	Nov. 22, 2018	Dec. 11, 2018	Nov. 21, 2019	Radiation (03CH06-HY)
RF Cable	Infinet/Sunhner	LL142/SF104	CA3601-3601-HLL	1GHz-26GHz	Nov. 24, 2017	Sep. 15, 2018~Nov. 04, 2018	Nov. 23, 2018	Radiation (03CH06-HY)
RF Cable	Infinet/Sunhner	LL142/SF104	CA3601-3601-HLL	1GHz-26GHz	Nov. 22, 2018	Dec. 11, 2018	Nov. 21, 2019	Radiation (03CH06-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30M~40GHz	Oct. 17, 2017	Sep. 15, 2018	Oct. 16, 2018	Radiation (03CH06-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30M~40GHz	Oct. 16, 2018	Nov. 04, 2018~Dec. 11, 2018	Oct. 15, 2019	Radiation (03CH06-HY)
Filter	Wainwright	WLKS1200-8SS	SN3	1.2G Low Pass	Nov. 21, 2017	Sep. 15, 2018~Nov. 04, 2018	Nov. 20, 2018	Radiation (03CH06-HY)
Filter	Wainwright	WLKS1200-8SS	SN3	1.2G Low Pass	Nov. 02, 2018	Dec. 11, 2018	Nov. 01, 2019	Radiation (03CH06-HY)
Filter	Microwave	H1G013G1	SN477215	1.0G High Pass	Dec. 07, 2017	Sep. 15, 2018~Nov. 04, 2018	Dec. 06, 2018	Radiation (03CH06-HY)
Filter	Microwave	H1G013G1	SN477215	1.0G High Pass	Nov. 02, 2018	Dec. 11, 2018	Nov. 01, 2019	Radiation (03CH06-HY)
Antenna Mast	MF	MF-7802	MF780208212	1m~4m	N/A	Sep. 15, 2018~Dec. 11, 2018	N/A	Radiation (03CH06-HY)
Turn Table	INN-CO	DS2000	420/650/00	0-360 degree	N/A	Sep. 15, 2018~Dec. 11, 2018	N/A	Radiation (03CH06-HY)
Controller	INN-CO	EM1000	060782	Control Turn table & Ant Mast	N/A	Sep. 15, 2018~Dec. 11, 2018	N/A	Radiation (03CH06-HY)
Test Software	AUDIX	e3	6.2009-8-24(k5)	N/A	N/A	Sep. 15, 2018~Dec. 11, 2018	N/A	Radiation (03CH06-HY)



## 5. Uncertainty of Evaluation

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

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	3.90
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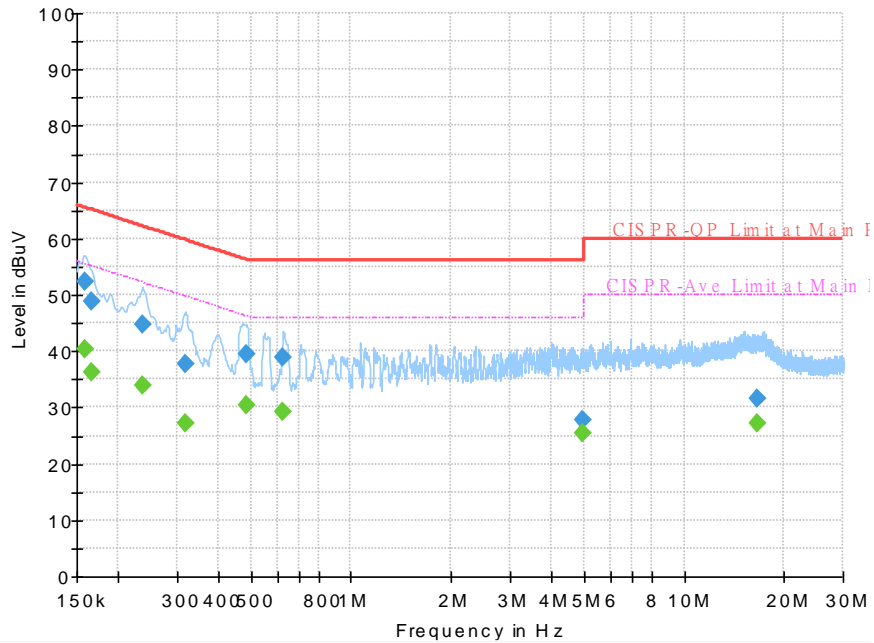
### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

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

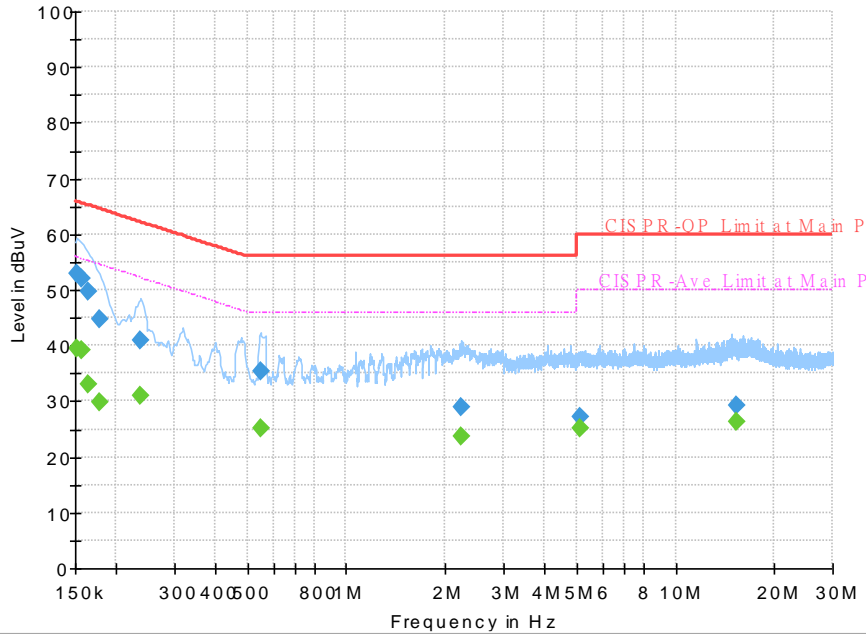


### Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	40.39	55.52	15.13	L1	OFF	19.5
0.159000	52.37	---	65.52	13.15	L1	OFF	19.5
0.165750	---	36.25	55.17	18.92	L1	OFF	19.5
0.165750	48.70	---	65.17	16.47	L1	OFF	19.5
0.235500	---	33.85	52.25	18.40	L1	OFF	19.5
0.235500	44.69	---	62.25	17.56	L1	OFF	19.5
0.316500	---	27.06	49.80	22.74	L1	OFF	19.5
0.316500	37.67	---	59.80	22.13	L1	OFF	19.5
0.483000	---	30.47	46.29	15.82	L1	OFF	19.5
0.483000	39.44	---	56.29	16.85	L1	OFF	19.5
0.624750	---	29.20	46.00	16.80	L1	OFF	19.6
0.624750	38.90	---	56.00	17.10	L1	OFF	19.6
4.951500	---	25.39	46.00	20.61	L1	OFF	19.7
4.951500	27.78	---	56.00	28.22	L1	OFF	19.7
16.683000	---	27.11	50.00	22.89	L1	OFF	20.1
16.683000	31.50	---	60.00	28.50	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.		

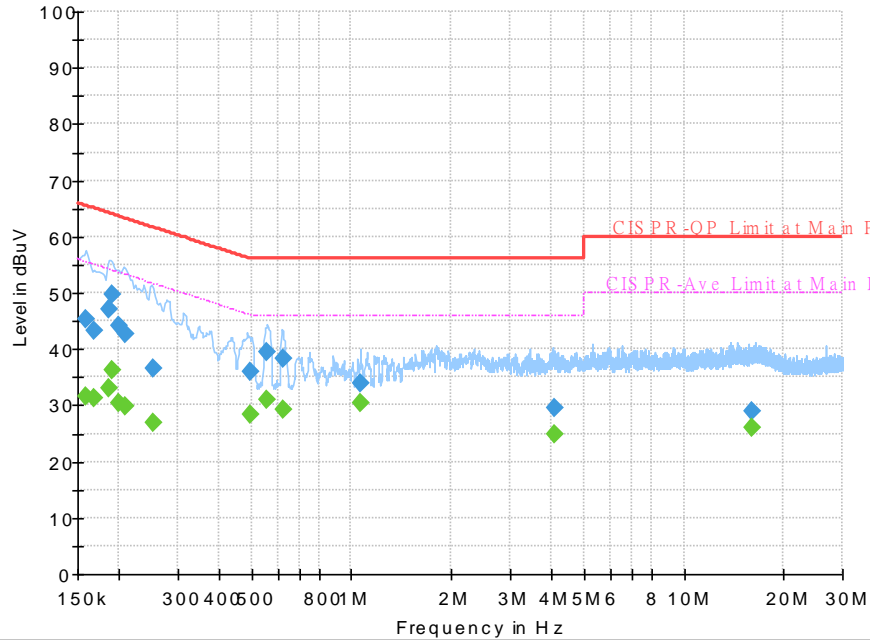


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	39.37	55.88	16.51	N	OFF	19.5
0.152250	52.97	---	65.88	12.91	N	OFF	19.5
0.156750	---	39.23	55.63	16.40	N	OFF	19.5
0.156750	51.91	---	65.63	13.72	N	OFF	19.5
0.163500	---	32.92	55.28	22.36	N	OFF	19.5
0.163500	49.81	---	65.28	15.47	N	OFF	19.5
0.177000	---	29.72	54.63	24.91	N	OFF	19.5
0.177000	44.76	---	64.63	19.87	N	OFF	19.5
0.237750	---	30.90	52.17	21.27	N	OFF	19.5
0.237750	41.07	---	62.17	21.10	N	OFF	19.5
0.548250	---	25.28	46.00	20.72	N	OFF	19.5
0.548250	35.49	---	56.00	20.51	N	OFF	19.5
2.235750	---	23.62	46.00	22.38	N	OFF	19.5
2.235750	28.84	---	56.00	27.16	N	OFF	19.5
5.145000	---	25.23	50.00	24.77	N	OFF	19.7
5.145000	27.22	---	60.00	32.78	N	OFF	19.7
15.351000	---	26.24	50.00	23.76	N	OFF	20.1
15.351000	29.32	---	60.00	30.68	N	OFF	20.1



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.		

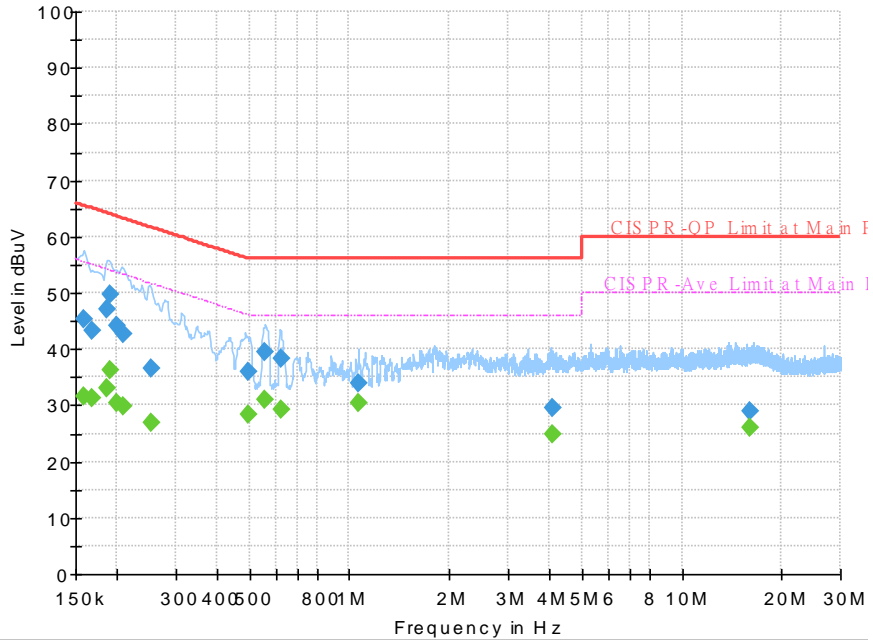


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	31.56	55.52	23.96	L1	OFF	19.5
0.159000	45.39	---	65.52	20.13	L1	OFF	19.5
0.168000	---	31.42	55.06	23.64	L1	OFF	19.5
0.168000	43.41	---	65.06	21.65	L1	OFF	19.5
0.186000	---	33.05	54.21	21.16	L1	OFF	19.5
0.186000	47.17	---	64.21	17.04	L1	OFF	19.5
0.190500	---	36.27	54.02	17.75	L1	OFF	19.5
0.190500	49.83	---	64.02	14.19	L1	OFF	19.5
0.199500	---	30.35	53.63	23.28	L1	OFF	19.5
0.199500	44.01	---	63.63	19.62	L1	OFF	19.5
0.208500	---	29.79	53.27	23.48	L1	OFF	19.5
0.208500	42.65	---	63.27	20.62	L1	OFF	19.5
0.253500	---	26.78	51.64	24.86	L1	OFF	19.5
0.253500	36.57	---	61.64	25.07	L1	OFF	19.5
0.494250	---	28.45	46.10	17.65	L1	OFF	19.5
0.494250	35.83	---	56.10	20.27	L1	OFF	19.5



<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>	Line
<b>Remark :</b>	All emissions not reported here are more than 10 dB below the prescribed limit.		

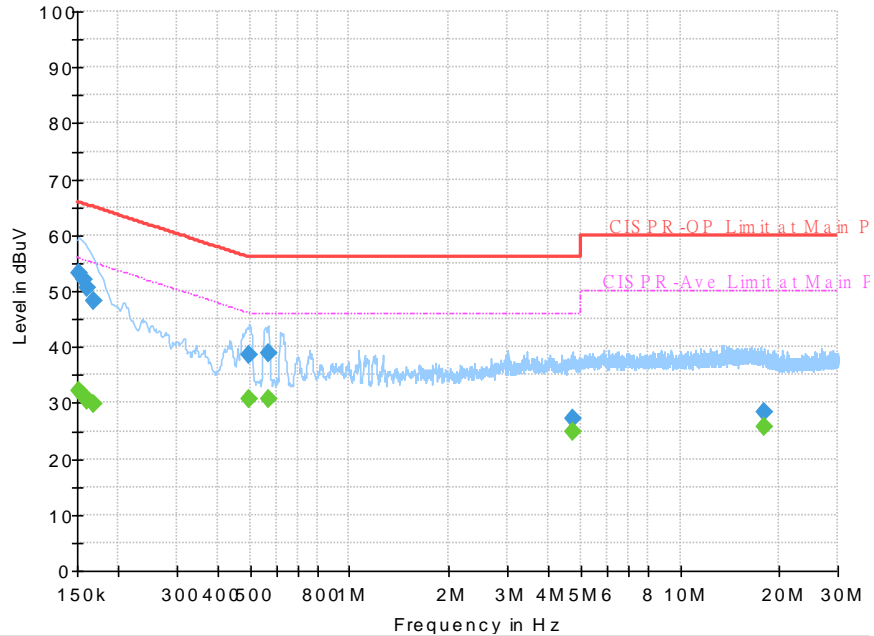


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.557250	---	30.96	46.00	15.04	L1	OFF	19.5
0.557250	39.36	---	56.00	16.64	L1	OFF	19.5
0.622500	---	29.28	46.00	16.72	L1	OFF	19.6
0.622500	38.18	---	56.00	17.82	L1	OFF	19.6
1.065750	---	30.29	46.00	15.71	L1	OFF	19.6
1.065750	33.82	---	56.00	22.18	L1	OFF	19.6
4.062750	---	24.89	46.00	21.11	L1	OFF	19.7
4.062750	29.64	---	56.00	26.36	L1	OFF	19.7
15.996750	---	25.95	50.00	24.05	L1	OFF	20.1
15.996750	28.95	---	60.00	31.05	L1	OFF	20.1



Test Mode :	Mode 2	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.		

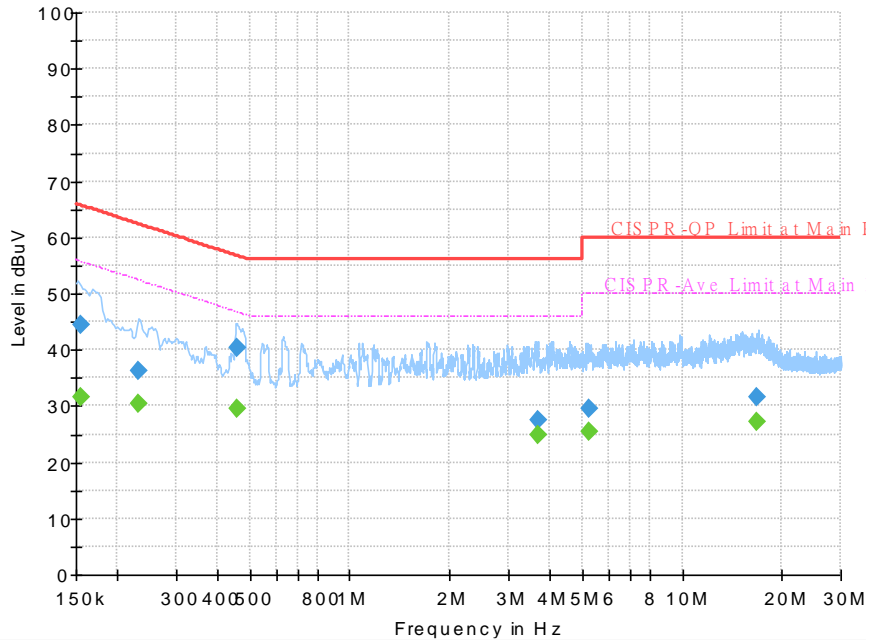


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	32.17	55.88	23.71	N	OFF	19.5
0.152250	53.12	---	65.88	12.76	N	OFF	19.5
0.156750	---	31.26	55.63	24.37	N	OFF	19.5
0.156750	52.01	---	65.63	13.62	N	OFF	19.5
0.161250	---	30.40	55.40	25.00	N	OFF	19.5
0.161250	50.52	---	65.40	14.88	N	OFF	19.5
0.168000	---	29.69	55.06	25.37	N	OFF	19.5
0.168000	48.25	---	65.06	16.81	N	OFF	19.5
0.496500	---	30.83	46.06	15.23	N	OFF	19.5
0.496500	38.61	---	56.06	17.45	N	OFF	19.5
0.566250	---	30.66	46.00	15.34	N	OFF	19.5
0.566250	38.91	---	56.00	17.09	N	OFF	19.5
4.731000	---	24.89	46.00	21.11	N	OFF	19.7
4.731000	27.33	---	56.00	28.67	N	OFF	19.7
17.936250	---	25.67	50.00	24.33	N	OFF	20.2
17.936250	28.25	---	60.00	31.75	N	OFF	20.2



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.		



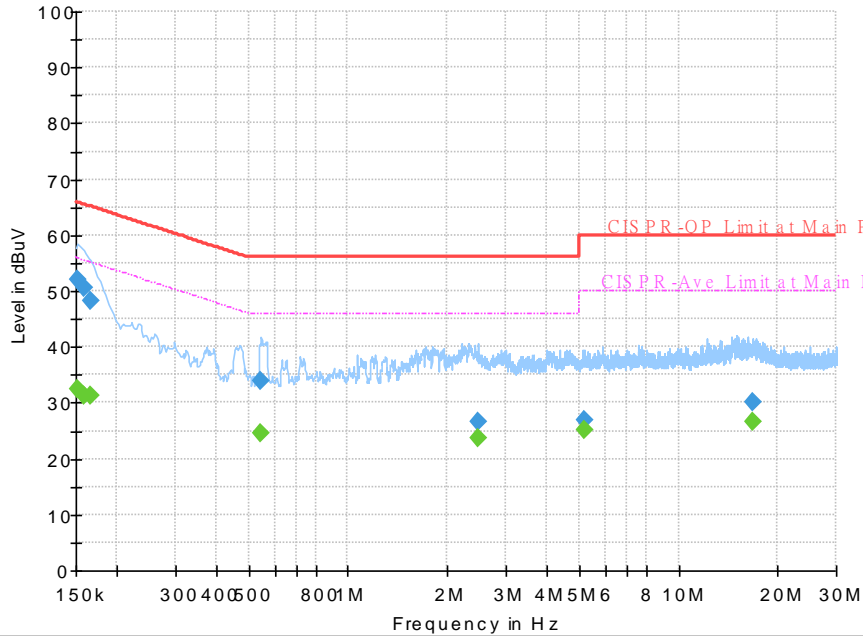
**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154500	---	31.65	55.75	24.10	L1	OFF	19.5
0.154500	44.58	---	65.75	21.17	L1	OFF	19.5
0.231000	---	30.36	52.41	22.05	L1	OFF	19.5
0.231000	36.24	---	62.41	26.17	L1	OFF	19.5
0.456000	---	29.60	46.77	17.17	L1	OFF	19.5
0.456000	40.28	---	56.77	16.49	L1	OFF	19.5
3.669000	---	24.89	46.00	21.11	L1	OFF	19.7
3.669000	27.35	---	56.00	28.65	L1	OFF	19.7
5.239500	---	25.53	50.00	24.47	L1	OFF	19.7
5.239500	29.54	---	60.00	30.46	L1	OFF	19.7
16.833750	---	27.21	50.00	22.79	L1	OFF	20.2
16.833750	31.57	---	60.00	28.43	L1	OFF	20.2





<b>Test Mode :</b>	Mode 3	<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.		

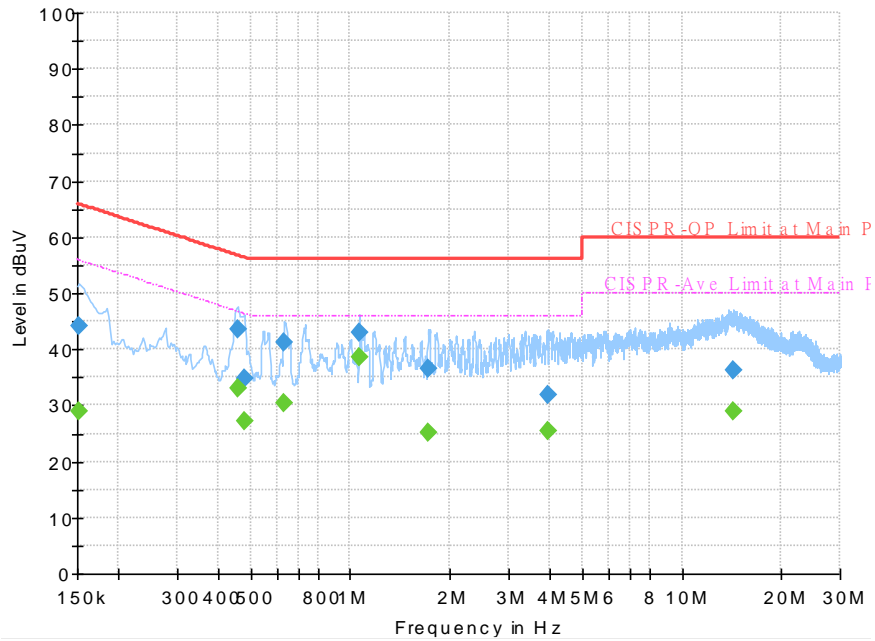


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	32.40	55.88	23.48	N	OFF	19.5
0.152250	52.17	---	65.88	13.71	N	OFF	19.5
0.159000	---	31.38	55.52	24.14	N	OFF	19.5
0.159000	50.46	---	65.52	15.06	N	OFF	19.5
0.165750	---	31.26	55.17	23.91	N	OFF	19.5
0.165750	48.33	---	65.17	16.84	N	OFF	19.5
0.546000	---	24.63	46.00	21.37	N	OFF	19.5
0.546000	33.80	---	56.00	22.20	N	OFF	19.5
2.467500	---	23.74	46.00	22.26	N	OFF	19.6
2.467500	26.70	---	56.00	29.30	N	OFF	19.6
5.214750	---	25.06	50.00	24.94	N	OFF	19.7
5.214750	26.99	---	60.00	33.01	N	OFF	19.7
16.768500	---	26.56	50.00	23.44	N	OFF	20.2
16.768500	30.08	---	60.00	29.92	N	OFF	20.2



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.		

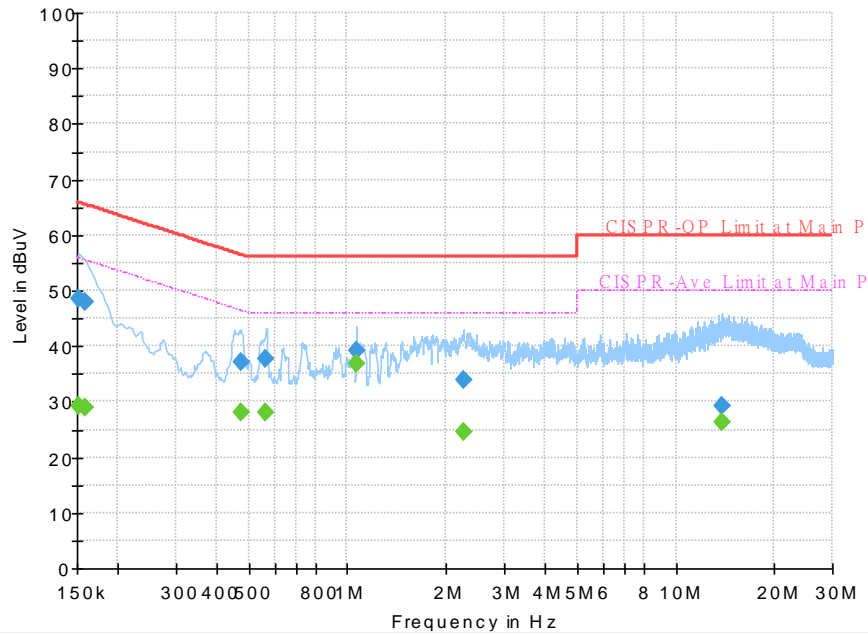


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	28.93	55.88	26.95	L1	OFF	19.5
0.152250	44.04	---	65.88	21.84	L1	OFF	19.5
0.456000	---	33.06	46.77	13.71	L1	OFF	19.5
0.456000	43.55	---	56.77	13.22	L1	OFF	19.5
0.478500	---	27.22	46.37	19.15	L1	OFF	19.5
0.478500	34.79	---	56.37	21.58	L1	OFF	19.5
0.633750	---	30.43	46.00	15.57	L1	OFF	19.6
0.633750	41.22	---	56.00	14.78	L1	OFF	19.6
1.065750	---	38.50	46.00	7.50	L1	OFF	19.6
1.065750	43.04	---	56.00	12.96	L1	OFF	19.6
1.716000	---	25.06	46.00	20.94	L1	OFF	19.6
1.716000	36.59	---	56.00	19.41	L1	OFF	19.6
3.925500	---	25.56	46.00	20.44	L1	OFF	19.7
3.925500	31.97	---	56.00	24.03	L1	OFF	19.7
14.320500	---	28.96	50.00	21.04	L1	OFF	20.1
14.320500	36.22	---	60.00	23.78	L1	OFF	20.1



Test Mode :	Mode 4	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.		

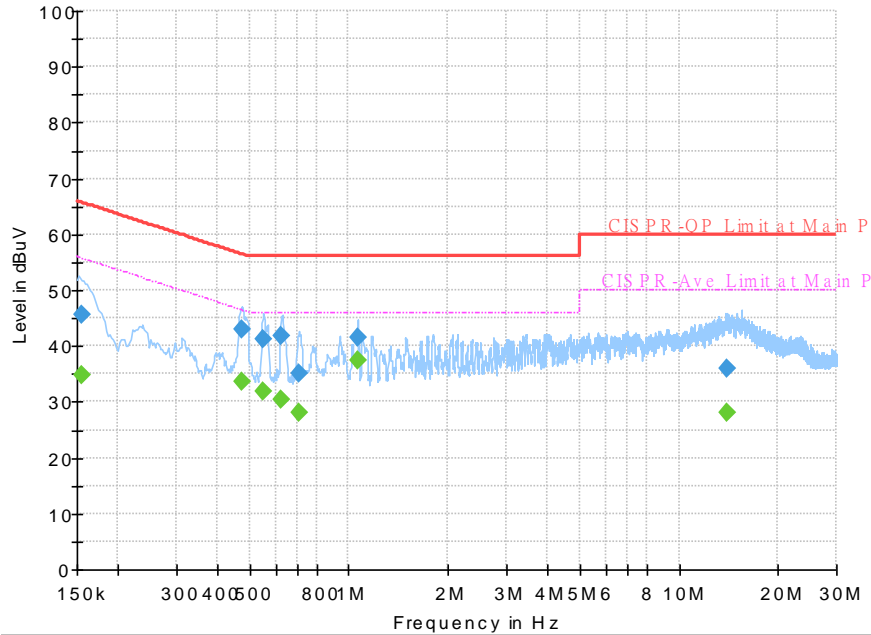


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	29.32	55.88	26.56	N	OFF	19.5
0.152250	48.40	---	65.88	17.48	N	OFF	19.5
0.159000	---	28.90	55.52	26.62	N	OFF	19.5
0.159000	47.84	---	65.52	17.68	N	OFF	19.5
0.474000	---	28.21	46.44	18.23	N	OFF	19.5
0.474000	37.20	---	56.44	19.24	N	OFF	19.5
0.564000	---	28.12	46.00	17.88	N	OFF	19.5
0.564000	37.81	---	56.00	18.19	N	OFF	19.5
1.065750	---	36.73	46.00	9.27	N	OFF	19.6
1.065750	39.27	---	56.00	16.73	N	OFF	19.6
2.260500	---	24.65	46.00	21.35	N	OFF	19.5
2.260500	33.86	---	56.00	22.14	N	OFF	19.5
13.861500	---	26.46	50.00	23.54	N	OFF	20.1
13.861500	29.33	---	60.00	30.67	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.		

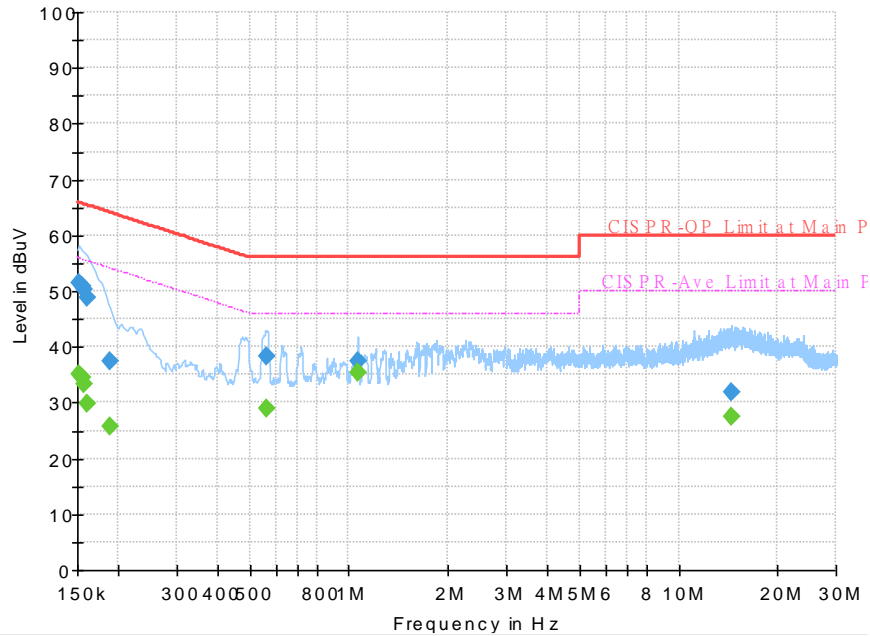


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154500	---	34.92	55.75	20.83	L1	OFF	19.5
0.154500	45.47	---	65.75	20.28	L1	OFF	19.5
0.476250	---	33.63	46.40	12.77	L1	OFF	19.5
0.476250	43.09	---	56.40	13.31	L1	OFF	19.5
0.552750	---	31.81	46.00	14.19	L1	OFF	19.5
0.552750	41.11	---	56.00	14.89	L1	OFF	19.5
0.622500	---	30.28	46.00	15.72	L1	OFF	19.6
0.622500	41.75	---	56.00	14.25	L1	OFF	19.6
0.705750	---	28.03	46.00	17.97	L1	OFF	19.6
0.705750	35.21	---	56.00	20.79	L1	OFF	19.6
1.065750	---	37.37	46.00	8.63	L1	OFF	19.6
1.065750	41.48	---	56.00	14.52	L1	OFF	19.6
13.944750	---	27.99	50.00	22.01	L1	OFF	20.1
13.944750	35.88	---	60.00	24.12	L1	OFF	20.1



<b>Test Mode :</b>	Mode 5	<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.		

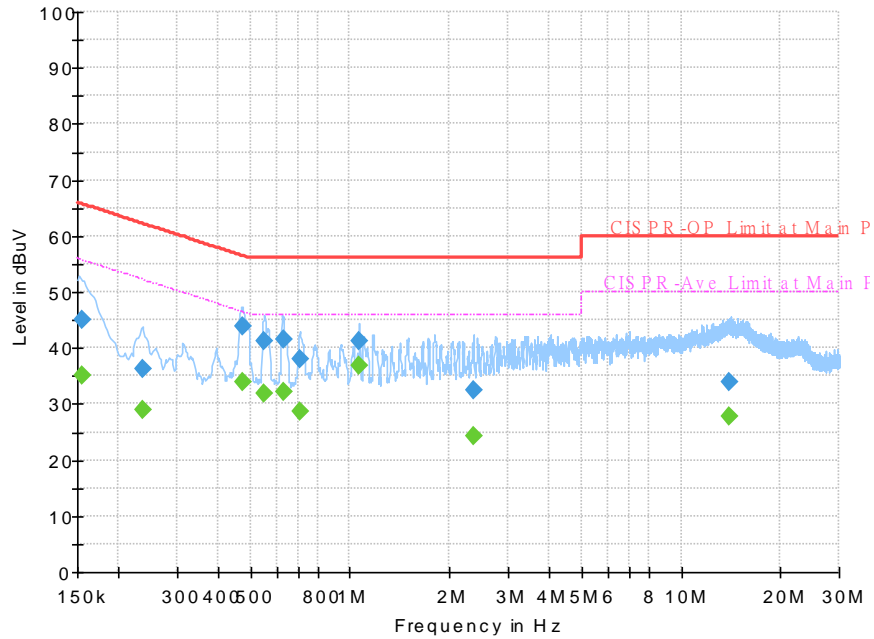


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	35.00	55.88	20.88	N	OFF	19.5
0.152250	51.58	---	65.88	14.30	N	OFF	19.5
0.154500	---	34.61	55.75	21.14	N	OFF	19.5
0.154500	51.02	---	65.75	14.73	N	OFF	19.5
0.156750	---	33.22	55.63	22.41	N	OFF	19.5
0.156750	50.43	---	65.63	15.20	N	OFF	19.5
0.161250	---	29.90	55.40	25.50	N	OFF	19.5
0.161250	48.83	---	65.40	16.57	N	OFF	19.5
0.188250	---	25.74	54.11	28.37	N	OFF	19.5
0.188250	37.47	---	64.11	26.64	N	OFF	19.5
0.564000	---	29.03	46.00	16.97	N	OFF	19.5
0.564000	38.44	---	56.00	17.56	N	OFF	19.5
1.068000	---	35.26	46.00	10.74	N	OFF	19.6
1.068000	37.48	---	56.00	18.52	N	OFF	19.6
14.451000	---	27.35	50.00	22.65	N	OFF	20.1
14.451000	31.88	---	60.00	28.12	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.		

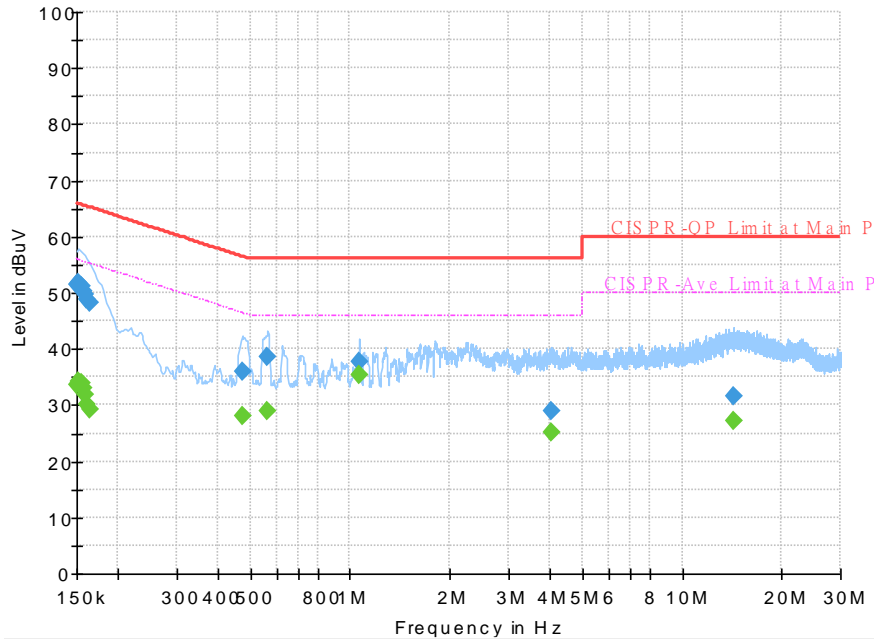


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154500	---	35.20	55.75	20.55	L1	OFF	19.5
0.154500	45.03	---	65.75	20.72	L1	OFF	19.5
0.237750	---	28.85	52.17	23.32	L1	OFF	19.5
0.237750	36.17	---	62.17	26.00	L1	OFF	19.5
0.474000	---	34.00	46.44	12.44	L1	OFF	19.5
0.474000	43.89	---	56.44	12.55	L1	OFF	19.5
0.552750	---	31.98	46.00	14.02	L1	OFF	19.5
0.552750	41.14	---	56.00	14.86	L1	OFF	19.5
0.629250	---	32.05	46.00	13.95	L1	OFF	19.6
0.629250	41.44	---	56.00	14.56	L1	OFF	19.6
0.705750	---	28.56	46.00	17.44	L1	OFF	19.6
0.705750	38.00	---	56.00	18.00	L1	OFF	19.6
1.068000	---	36.98	46.00	9.02	L1	OFF	19.6
1.068000	41.20	---	56.00	14.80	L1	OFF	19.6
2.361750	---	24.26	46.00	21.74	L1	OFF	19.5
2.361750	32.55	---	56.00	23.45	L1	OFF	19.5
13.985250	---	27.89	50.00	22.11	L1	OFF	20.1
13.985250	33.97	---	60.00	26.03	L1	OFF	20.1



Test Mode :	Mode 6	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.		

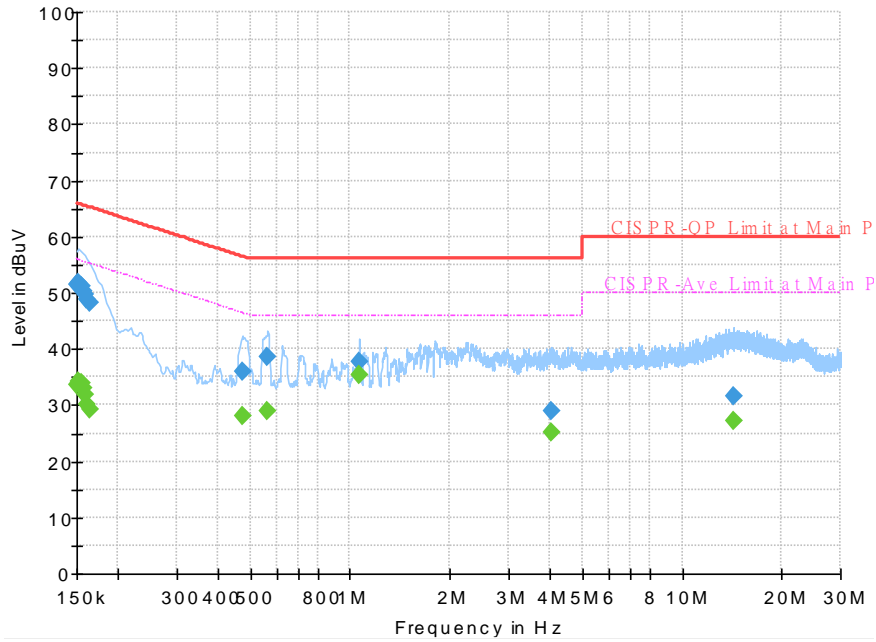


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	33.76	56.00	22.24	N	OFF	19.5
0.150000	51.59	---	66.00	14.41	N	OFF	19.5
0.152250	---	34.22	55.88	21.66	N	OFF	19.5
0.152250	51.62	---	65.88	14.26	N	OFF	19.5
0.154500	---	34.02	55.75	21.73	N	OFF	19.5
0.154500	51.09	---	65.75	14.66	N	OFF	19.5
0.156750	---	32.95	55.63	22.68	N	OFF	19.5
0.156750	50.42	---	65.63	15.21	N	OFF	19.5
0.159000	---	31.73	55.52	23.79	N	OFF	19.5
0.159000	49.69	---	65.52	15.83	N	OFF	19.5
0.161250	---	30.07	55.40	25.33	N	OFF	19.5
0.161250	48.95	---	65.40	16.45	N	OFF	19.5
0.163500	---	29.10	55.28	26.18	N	OFF	19.5
0.163500	48.18	---	65.28	17.10	N	OFF	19.5



Test Mode :	Mode 6	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.		



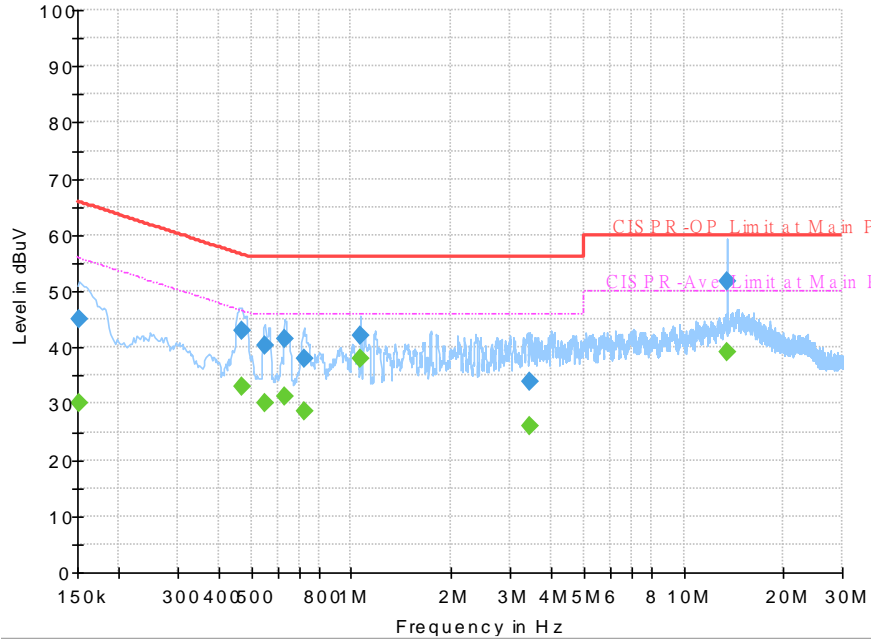
**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.564000	---	29.07	46.00	16.93	N	OFF	19.5
0.564000	38.52	---	56.00	17.48	N	OFF	19.5
1.065750	---	35.48	46.00	10.52	N	OFF	19.6
1.065750	37.75	---	56.00	18.25	N	OFF	19.6
4.020000	---	25.12	46.00	20.88	N	OFF	19.7
4.020000	29.08	---	56.00	26.92	N	OFF	19.7
14.313750	---	27.26	50.00	22.74	N	OFF	20.1
14.313750	31.45	---	60.00	28.55	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.		

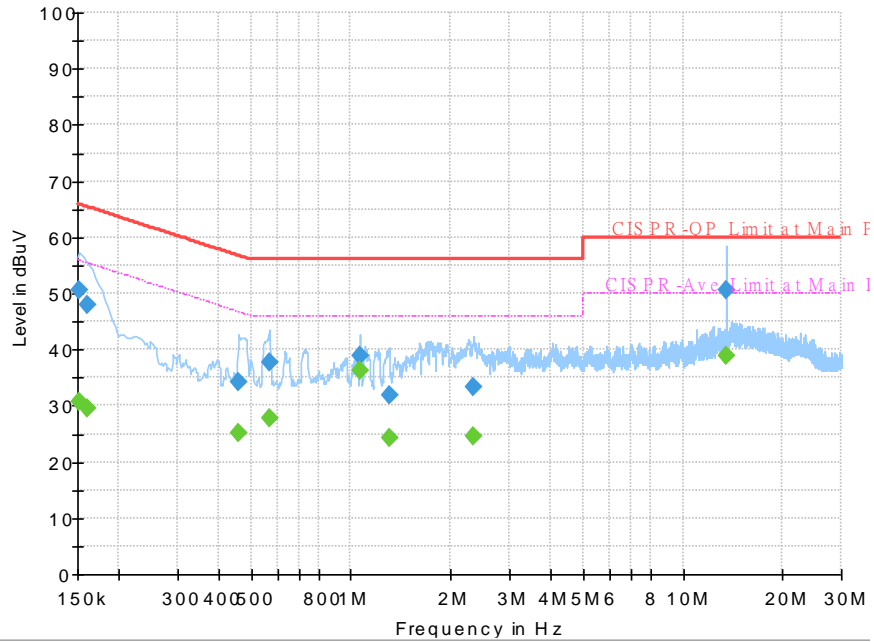


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	30.22	55.88	25.66	L1	OFF	19.5
0.152250	44.90	---	65.88	20.98	L1	OFF	19.5
0.467250	---	33.18	46.56	13.38	L1	OFF	19.5
0.467250	43.03	---	56.56	13.53	L1	OFF	19.5
0.548250	---	30.05	46.00	15.95	L1	OFF	19.5
0.548250	40.31	---	56.00	15.69	L1	OFF	19.5
0.631500	---	31.15	46.00	14.85	L1	OFF	19.6
0.631500	41.54	---	56.00	14.46	L1	OFF	19.6
0.719250	---	28.66	46.00	17.34	L1	OFF	19.6
0.719250	37.87	---	56.00	18.13	L1	OFF	19.6
1.068000	---	37.91	46.00	8.09	L1	OFF	19.6
1.068000	42.17	---	56.00	13.83	L1	OFF	19.6
3.457500	---	25.93	46.00	20.07	L1	OFF	19.7
3.457500	33.83	---	56.00	22.17	L1	OFF	19.7
13.560000	---	39.24	50.00	10.76	L1	OFF	20.0
13.560000	51.79	---	60.00	8.21	L1	OFF	20.0



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.		

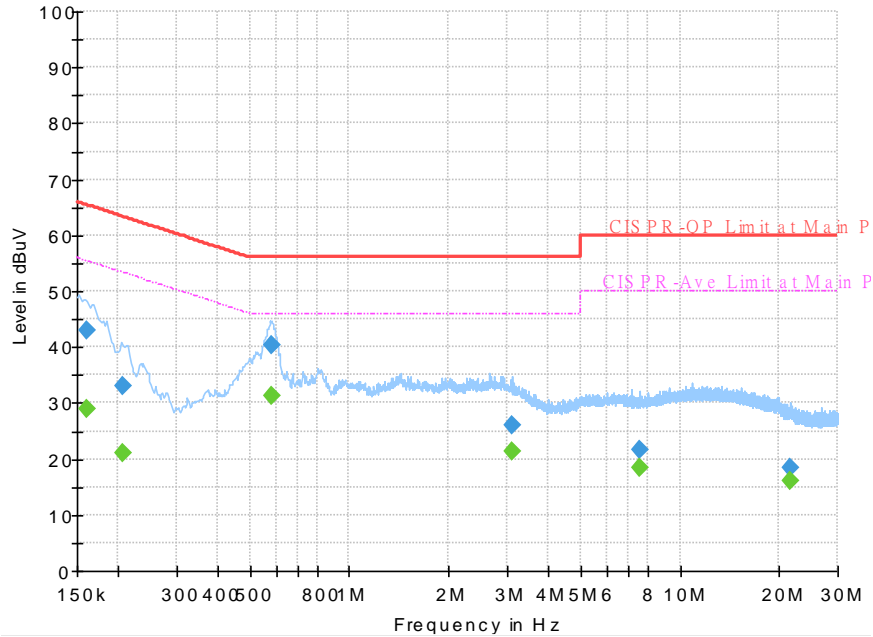


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	30.73	55.88	25.15	N	OFF	19.5
0.152250	50.63	---	65.88	15.25	N	OFF	19.5
0.161250	---	29.45	55.40	25.95	N	OFF	19.5
0.161250	48.09	---	65.40	17.31	N	OFF	19.5
0.458250	---	25.00	46.72	21.72	N	OFF	19.5
0.458250	34.34	---	56.72	22.38	N	OFF	19.5
0.566250	---	27.69	46.00	18.31	N	OFF	19.5
0.566250	37.84	---	56.00	18.16	N	OFF	19.5
1.065750	---	36.38	46.00	9.62	N	OFF	19.6
1.065750	38.86	---	56.00	17.14	N	OFF	19.6
1.302000	---	24.23	46.00	21.77	N	OFF	19.6
1.302000	31.81	---	56.00	24.19	N	OFF	19.6
2.332500	---	24.46	46.00	21.54	N	OFF	19.5
2.332500	33.25	---	56.00	22.75	N	OFF	19.5
13.560000	---	38.76	50.00	11.24	N	OFF	20.1
13.560000	50.68	---	60.00	9.32	N	OFF	20.1



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.		

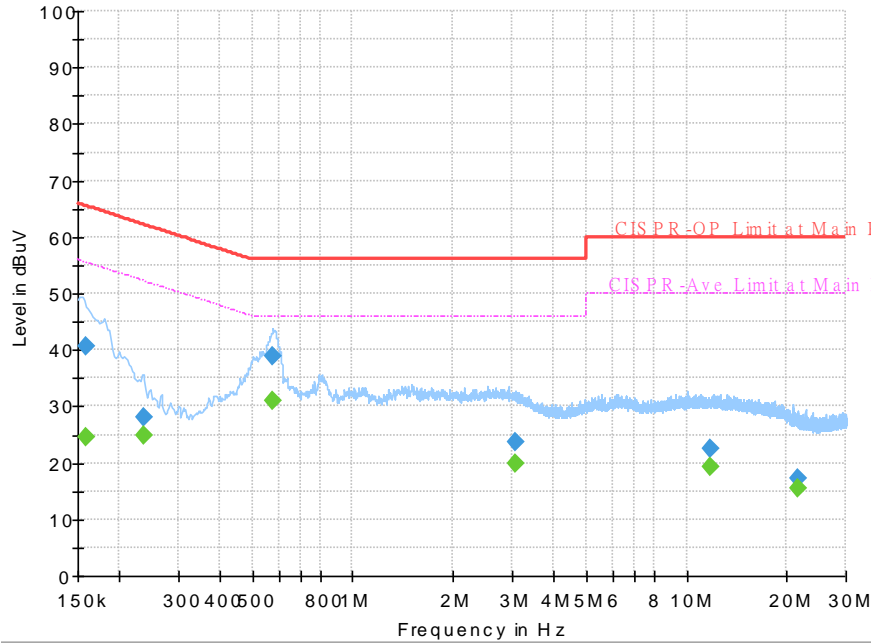


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	29.06	55.40	26.34	L1	OFF	19.5
0.161250	42.87	---	65.40	22.53	L1	OFF	19.5
0.206250	---	21.18	53.36	32.18	L1	OFF	19.5
0.206250	32.97	---	63.36	30.39	L1	OFF	19.5
0.579750	---	31.33	46.00	14.67	L1	OFF	19.5
0.579750	40.26	---	56.00	15.74	L1	OFF	19.5
3.108750	---	21.33	46.00	24.67	L1	OFF	19.6
3.108750	25.89	---	56.00	30.11	L1	OFF	19.6
7.590750	---	18.51	50.00	31.49	L1	OFF	19.7
7.590750	21.53	---	60.00	38.47	L1	OFF	19.7
21.556500	---	16.11	50.00	33.89	L1	OFF	19.8
21.556500	18.50	---	60.00	41.50	L1	OFF	19.8



<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.		

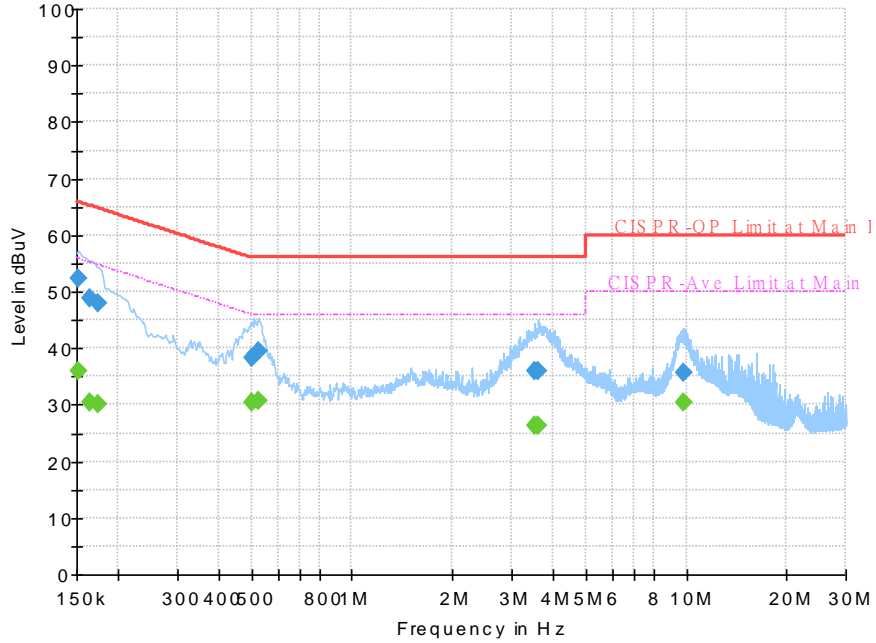


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	24.58	55.52	30.94	N	OFF	19.5
0.159000	40.72	---	65.52	24.80	N	OFF	19.5
0.235500	---	24.91	52.25	27.34	N	OFF	19.5
0.235500	27.98	---	62.25	34.27	N	OFF	19.5
0.575250	---	31.06	46.00	14.94	N	OFF	19.5
0.575250	38.78	---	56.00	17.22	N	OFF	19.5
3.068250	---	19.82	46.00	26.18	N	OFF	19.6
3.068250	23.77	---	56.00	32.23	N	OFF	19.6
11.733000	---	19.37	50.00	30.63	N	OFF	19.7
11.733000	22.57	---	60.00	37.43	N	OFF	19.7
21.630750	---	15.38	50.00	34.62	N	OFF	19.9
21.630750	17.37	---	60.00	42.63	N	OFF	19.9



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.		

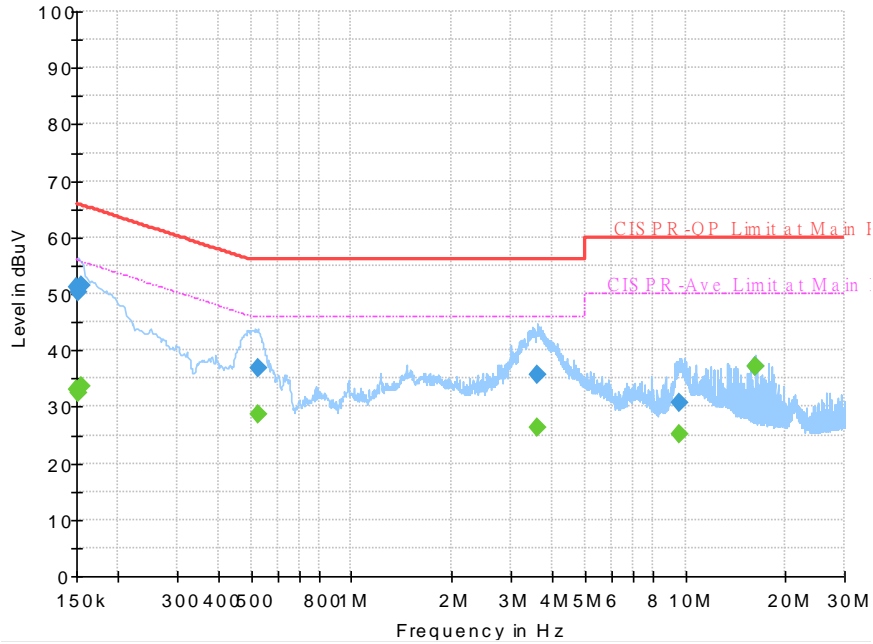


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	52.41	---	65.88	13.46	L1	OFF	19.5
0.152250	---	36.01	55.88	19.87	L1	OFF	19.5
0.163500	48.96	---	65.28	16.32	L1	OFF	19.5
0.163500	---	30.42	55.28	24.87	L1	OFF	19.5
0.174750	48.03	---	64.73	16.71	L1	OFF	19.5
0.174750	---	30.14	54.73	24.59	L1	OFF	19.5
0.501000	38.22	---	56.00	17.78	L1	OFF	19.5
0.501000	---	30.31	46.00	15.69	L1	OFF	19.5
0.523500	39.54	---	56.00	16.46	L1	OFF	19.5
0.523500	---	30.69	46.00	15.31	L1	OFF	19.5
3.525000	36.03	---	56.00	19.97	L1	OFF	19.6
3.525000	---	26.33	46.00	19.67	L1	OFF	19.6
3.615000	35.99	---	56.00	20.01	L1	OFF	19.6
3.615000	---	26.24	46.00	19.76	L1	OFF	19.6
9.816000	35.62	---	60.00	24.38	L1	OFF	19.7
9.816000	---	30.41	50.00	19.59	L1	OFF	19.7



<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.		



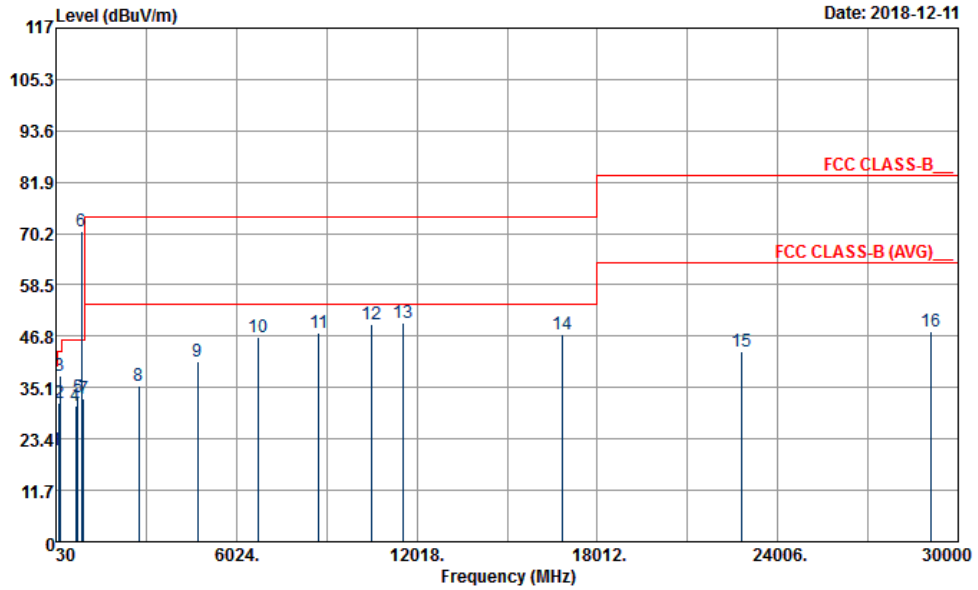
**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	51.24	---	66.00	14.76	N	OFF	19.5
0.150000	---	32.97	56.00	23.03	N	OFF	19.5
0.152250	50.22	---	65.88	15.65	N	OFF	19.5
0.152250	---	32.34	55.88	23.54	N	OFF	19.5
0.154500	51.42	---	65.75	14.33	N	OFF	19.5
0.154500	---	33.73	55.75	22.03	N	OFF	19.5
0.523500	36.85	---	56.00	19.15	N	OFF	19.5
0.523500	---	28.64	46.00	17.36	N	OFF	19.5
3.592500	35.65	---	56.00	20.35	N	OFF	19.6
3.592500	---	26.28	46.00	19.72	N	OFF	19.6
9.575250	30.75	---	60.00	29.25	N	OFF	19.7
9.575250	---	25.14	50.00	24.86	N	OFF	19.7
16.228500	37.22	---	60.00	22.78	N	OFF	19.8
16.228500	---	37.10	50.00	12.90	N	OFF	19.8



## Appendix B. Radiated Emission Test Result

Mode :	Mode 1	Temperature :	25~27°C
Test Engineer :	Donny Tang and Eric Jeng	Relative Humidity :	52~55%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		

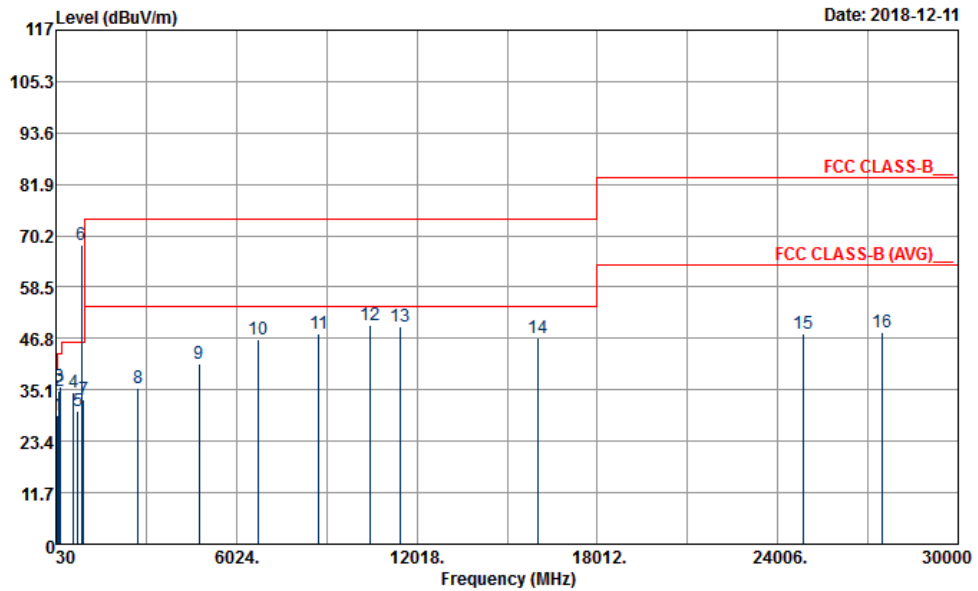


Site : 03CH06-HY  
 Condition : FCC CLASS-B\_\_ 1m SHF\_ANT\_0251\_181120 HORIZONTAL  
 Power : 120Vac/60Hz

	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	30.81	20.80	-19.20	40.00	28.25	23.70	0.62	31.77	---	---	Peak
2	146.10	31.66	-11.84	43.50	44.89	17.13	1.36	31.72	---	---	Peak
3	165.27	37.80	-5.70	43.50	52.37	15.72	1.43	31.72	100	101	Peak
4	680.80	30.84	-15.16	46.00	33.31	26.35	3.17	31.99	---	---	Peak
5	763.40	32.81	-13.19	46.00	33.56	27.80	3.37	31.92	---	---	Peak
6 *	869.10	70.78			69.67	29.08	3.61	31.58	---	---	Peak
7	956.60	32.67	-13.33	46.00	28.97	30.66	3.98	30.94	---	---	Peak
8	2778.00	35.54	-38.46	74.00	61.42	28.13	6.88	61.27	---	---	Peak
9	4724.00	41.12	-32.88	74.00	59.47	31.00	9.62	59.52	---	---	Peak
10	6750.00	46.47	-27.53	74.00	56.10	34.40	13.66	58.65	---	---	Peak
11	8770.00	47.67	-26.33	74.00	52.24	37.93	13.71	57.63	---	---	Peak
12	10490.00	49.70	-24.30	74.00	51.27	40.00	14.84	57.62	---	---	Peak
13	11582.00	49.91	-24.09	74.00	49.68	39.77	15.54	56.25	100	23	Peak
14	16866.00	47.37	-26.63	74.00	42.38	40.53	20.37	55.91	---	---	Peak
15	22788.00	43.33	-40.21	83.54	39.91	38.18	15.66	50.42	---	---	Peak
16	29100.00	47.91	-35.63	83.54	40.68	40.12	18.01	50.90	---	---	Peak



Mode :	Mode 1	Temperature :	25~27°C
Test Engineer :	Donny Tang and Eric Jeng	Relative Humidity :	52~55%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		



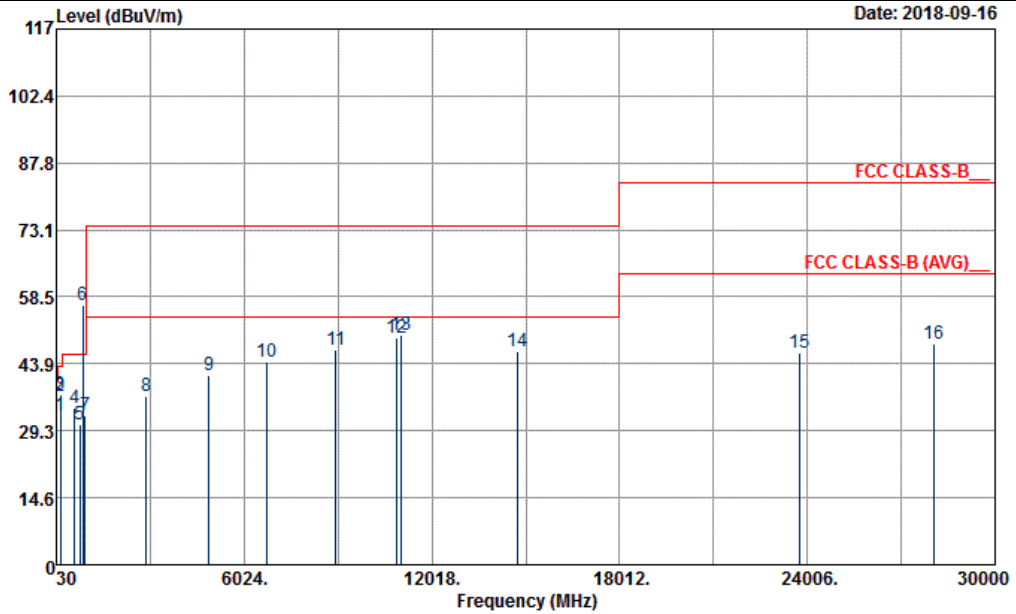
Site : 03CH06-HY  
 Condition : FCC CLASS-B\_\_1m SHF\_ANT\_0251\_181120 VERTICAL  
 Power : 120Vac/60Hz

	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	86.43	29.24	-10.76	40.00	46.09	13.86	1.03	31.74	---	---	Peak
2	147.18	34.88	-8.62	43.50	48.10	17.07	1.43	31.72	---	---	Peak
3	163.11	35.97	-7.53	43.50	50.30	15.96	1.43	31.72	100	63	Peak
4	617.80	34.55	-11.45	46.00	37.51	25.94	3.04	31.94	---	---	Peak
5	759.20	30.28	-15.72	46.00	31.01	27.83	3.37	31.93	---	---	Peak
6 *	869.10	68.12			67.01	29.08	3.61	31.58	---	---	Peak
7	941.20	32.97	-13.03	46.00	29.92	30.34	3.79	31.08	---	---	Peak
8	2746.00	35.59	-38.41	74.00	61.59	28.00	6.86	61.25	---	---	Peak
9	4792.00	41.08	-32.92	74.00	59.03	31.00	9.73	59.22	---	---	Peak
10	6758.00	46.65	-27.35	74.00	56.28	34.40	13.66	58.65	---	---	Peak
11	8770.00	48.07	-25.93	74.00	52.64	37.93	13.71	57.63	---	---	Peak
12	10464.00	49.73	-24.27	74.00	51.35	40.00	14.82	57.65	100	23	Peak
13	11448.00	49.43	-24.57	74.00	49.08	39.85	15.46	56.14	---	---	Peak
14	16038.00	46.81	-27.19	74.00	46.79	37.40	19.09	56.47	---	---	Peak
15	24876.00	47.83	-35.71	83.54	43.21	39.02	16.40	50.80	---	---	Peak
16	27492.00	48.15	-35.39	83.54	41.83	39.50	17.32	50.50	---	---	Peak





Mode :	Mode 2	Temperature :	25~27°C
Test Engineer :	Donny Tang and Eric Jeng	Relative Humidity :	52~55%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		

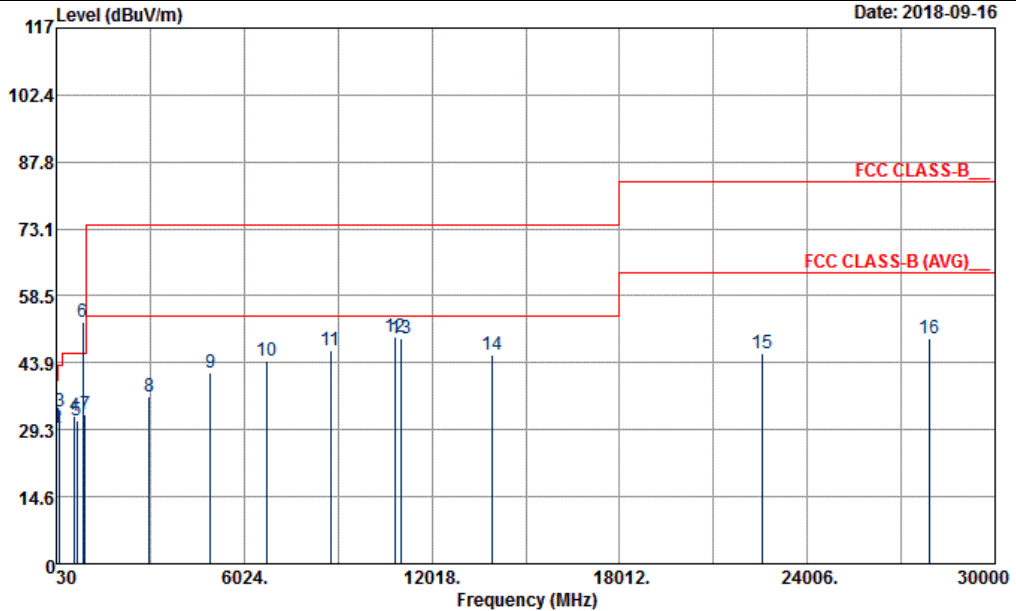


Site : 03CH06-HY  
 Condition : FCC CLASS-B\_\_ 1m SHF\_ANT\_0251\_171110 HORIZONTAL  
 Project : 881330-01  
 Power : 120Vac/60Hz

	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	153.66	32.64	-10.86	43.50	46.09	16.64	1.63	31.72	---	---	Peak
2	160.95	36.80	-6.70	43.50	50.66	16.20	1.66	31.72	---	---	Peak
3	167.43	37.05	-6.45	43.50	51.51	15.57	1.69	31.72	100	23	Peak
4	614.30	34.21	-11.79	46.00	37.30	25.52	3.33	31.94	---	---	Peak
5	776.70	30.73	-15.27	46.00	30.84	27.99	3.81	31.91	---	---	Peak
6 *	881.70	56.77			55.07	29.10	4.12	31.52	---	---	Peak
7	948.90	32.68	-13.32	46.00	29.06	30.51	4.12	31.01	---	---	Peak
8	2902.00	36.89	-37.11	74.00	62.03	28.30	7.90	61.34	---	---	Peak
9	4900.00	41.34	-32.66	74.00	58.18	31.20	10.69	58.73	---	---	Peak
10	6752.00	44.39	-29.61	74.00	55.85	34.40	12.79	58.65	---	---	Peak
11	8952.00	46.77	-27.23	74.00	52.23	37.50	14.89	57.85	---	---	Peak
12	10886.00	49.49	-24.51	74.00	49.20	40.40	16.64	56.75	---	---	Peak
13	11050.00	50.17	-23.83	74.00	49.42	40.30	16.91	56.46	100	0	Peak
14	14733.00	46.61	-27.39	74.00	42.23	40.77	20.27	56.66	---	---	Peak
15	23772.00	46.43	-37.11	83.54	38.86	38.70	19.13	50.26	---	---	Peak
16	28044.00	48.33	-35.21	83.54	37.33	40.20	21.29	50.49	---	---	Peak



Mode :	Mode 2	Temperature :	25~27°C
Test Engineer :	Donny Tang and Eric Jeng	Relative Humidity :	52~55%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		

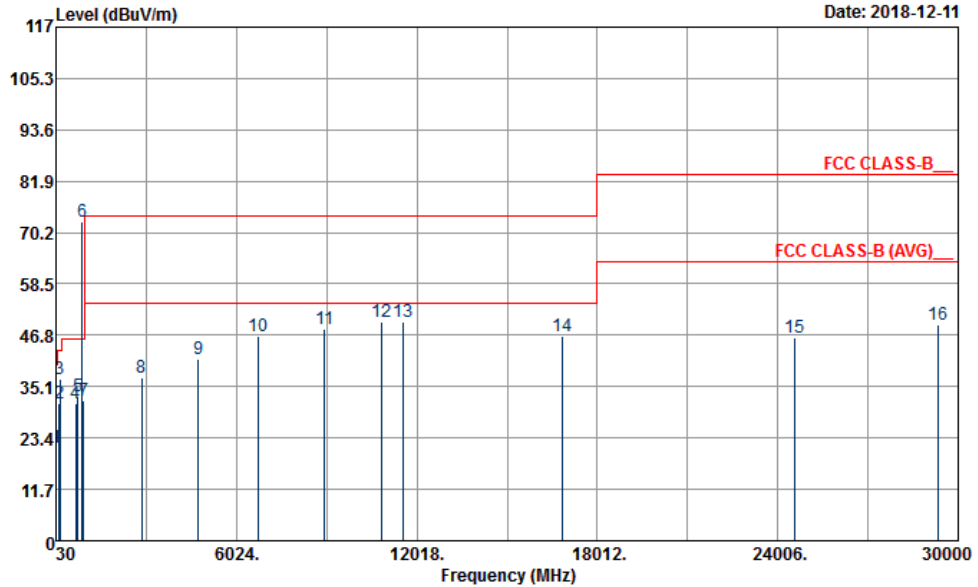


Site : 03CH06-HY  
 Condition : FCC CLASS-B\_\_ 1m SHF\_ANT\_0251\_171110 VERTICAL  
 Project : 881330-01  
 Power : 120Vac/60Hz

	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	30.11	-9.89	40.00	37.46	23.70	0.72	31.77	100	0 Peak
2	42.15	29.82	-10.18	40.00	43.11	17.61	0.86	31.76	---	---
3	140.97	33.09	-10.41	43.50	46.08	17.17	1.56	31.72	---	---
4	615.70	32.32	-13.68	46.00	35.38	25.54	3.34	31.94	---	---
5	685.00	31.33	-14.67	46.00	33.33	26.42	3.57	31.99	---	---
6 *	881.70	52.69			50.99	29.10	4.12	31.52	---	---
7	957.30	32.59	-13.41	46.00	28.40	30.97	4.16	30.94	---	---
8	2996.00	36.41	-37.59	74.00	61.18	28.50	8.13	61.40	---	---
9	4942.00	41.61	-32.39	74.00	58.14	31.30	10.71	58.54	---	---
10	6758.00	44.42	-29.58	74.00	55.88	34.40	12.79	58.65	---	---
11	8774.00	46.65	-27.35	74.00	51.53	37.93	14.82	57.63	---	---
12	10846.00	49.54	-24.46	74.00	49.44	40.35	16.60	56.85	100	63 Peak
13	11034.00	49.37	-24.63	74.00	48.60	40.37	16.87	56.47	---	---
14	13932.00	45.61	-28.39	74.00	42.52	40.63	19.85	57.39	---	---
15	22584.00	46.01	-37.53	83.54	38.78	38.27	19.17	50.21	---	---
16	27888.00	49.35	-34.19	83.54	38.59	40.04	21.14	50.42	---	---



Mode :	Mode 3	Temperature :	25~27°C
Test Engineer :	Donny Tang and Eric Jeng	Relative Humidity :	52~55%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		

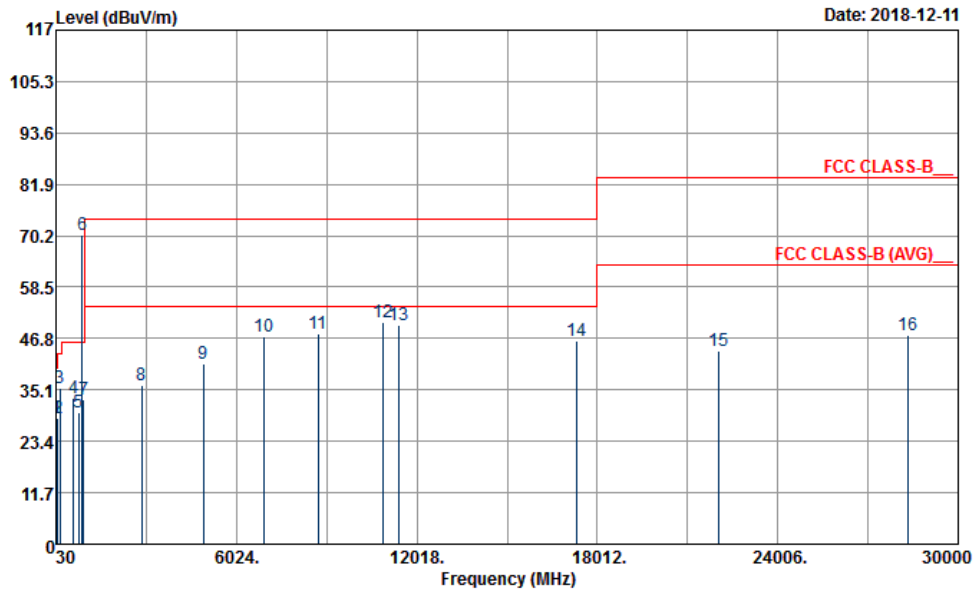


Site : 03CH06-HY  
 Condition : FCC CLASS-B\_\_ 1m SHF\_ANT\_0251\_181120 HORIZONTAL  
 Power : 120Vac/60Hz

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.27	21.29	-18.71	40.00	28.25	24.19	0.62	31.77	---	---	Peak
2	147.18	31.14	-12.36	43.50	44.36	17.07	1.43	31.72	---	---	Peak
3	164.19	36.97	-6.53	43.50	51.42	15.84	1.43	31.72	100	151	Peak
4	689.90	31.25	-14.75	46.00	33.66	26.41	3.17	31.99	---	---	Peak
5	757.10	32.82	-13.18	46.00	33.56	27.82	3.37	31.93	---	---	Peak
6 *	893.60	72.62			71.40	29.02	3.67	31.47	---	---	Peak
7	945.40	32.01	-13.99	46.00	28.84	30.42	3.79	31.04	---	---	Peak
8	2884.00	37.02	-36.98	74.00	62.62	28.27	7.03	61.33	---	---	Peak
9	4766.00	41.23	-32.77	74.00	59.34	31.00	9.68	59.34	---	---	Peak
10	6742.00	46.60	-27.40	74.00	56.45	34.40	13.48	58.65	---	---	Peak
11	8944.00	48.34	-25.66	74.00	53.21	37.57	13.93	57.83	---	---	Peak
12	10860.00	49.82	-24.18	74.00	49.99	40.37	15.07	56.81	100	23	Peak
13	11574.00	49.79	-24.21	74.00	49.53	39.77	15.54	56.22	---	---	Peak
14	16848.00	46.56	-27.44	74.00	41.56	40.55	20.37	55.92	---	---	Peak
15	24576.00	46.40	-37.14	83.54	42.10	38.80	16.30	50.80	---	---	Peak
16	29352.00	49.10	-34.44	83.54	41.72	40.17	18.11	50.90	---	---	Peak



Mode :	Mode 3	Temperature :	25~27°C
Test Engineer :	Donny Tang and Eric Jeng	Relative Humidity :	52~55%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		

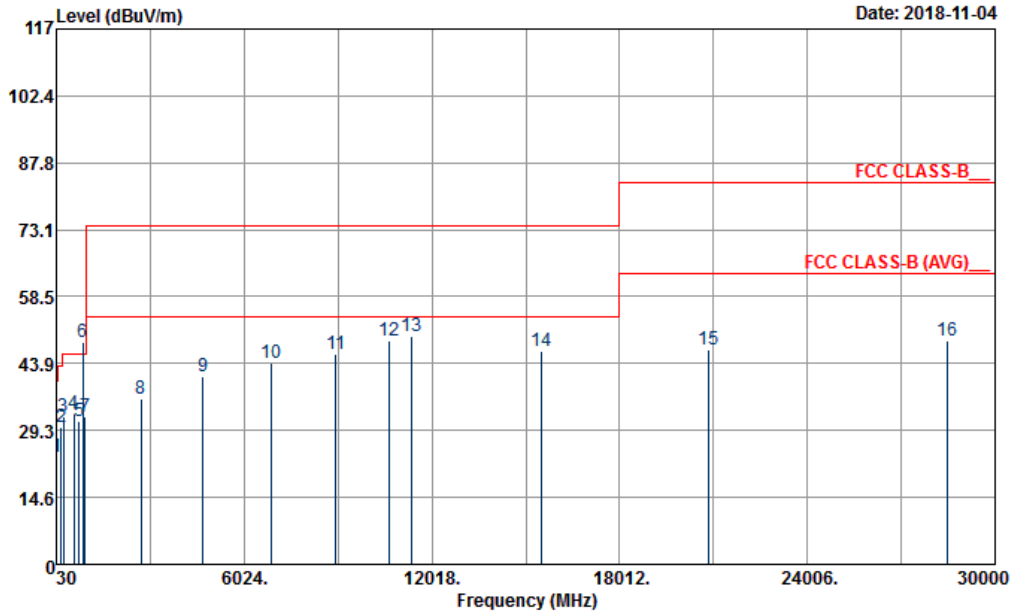


Site : 03CH06-HY  
 Condition : FCC CLASS-B\_\_1m SHF\_ANT\_0251\_181120 VERTICAL  
 Power : 120Vac/60Hz

	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	42.69	28.52	-11.48	40.00	42.32	17.34	0.62	31.76	---	---	Peak
2	87.51	28.65	-11.35	40.00	45.32	14.04	1.03	31.74	---	---	Peak
3	159.87	35.48	-8.02	43.50	49.46	16.31	1.43	31.72	100	63	Peak
4	613.60	33.11	-12.89	46.00	36.21	25.83	3.01	31.94	---	---	Peak
5	774.60	29.93	-16.07	46.00	30.64	27.77	3.43	31.91	---	---	Peak
6 *	893.60	70.37			69.15	29.02	3.67	31.47	---	---	Peak
7	940.50	32.91	-13.09	46.00	29.87	30.34	3.79	31.09	---	---	Peak
8	2868.00	36.23	-37.77	74.00	61.92	28.23	6.99	61.32	---	---	Peak
9	4926.00	41.05	-32.95	74.00	59.07	31.27	9.03	58.67	---	---	Peak
10	6938.00	47.26	-26.74	74.00	56.25	35.07	13.72	58.61	---	---	Peak
11	8730.00	47.98	-26.02	74.00	52.60	37.80	13.78	57.57	---	---	Peak
12	10882.00	50.50	-23.50	74.00	50.58	40.38	15.09	56.75	100	56	Peak
13	11432.00	49.77	-24.23	74.00	49.48	39.83	15.44	56.16	---	---	Peak
14	17325.00	46.14	-27.86	74.00	39.42	41.38	21.08	55.74	---	---	Peak
15	22056.00	43.84	-39.70	83.54	40.95	37.91	15.37	50.39	---	---	Peak
16	28320.00	47.62	-35.92	83.54	40.93	39.73	17.66	50.70	---	---	Peak



Mode :	Mode 4	Temperature :	25~27°C
Test Engineer :	Donny Tang and Eric Jeng	Relative Humidity :	52~55%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		

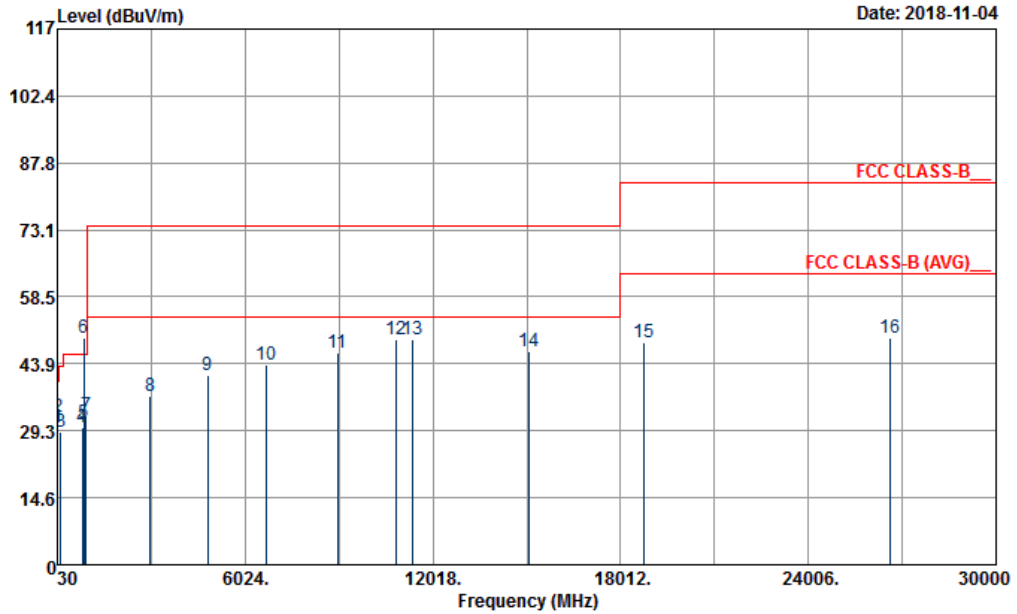


Site : 03CH06-HY  
 Condition : FCC CLASS-B\_\_ 1m SHF\_ANT\_0251\_171110 HORIZONTAL  
 Project : 881330-01  
 Power : 12Vdc

	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	36.21	23.51	-16.49	40.00	33.36	21.15	0.77	31.77	---	---	Peak
2	193.35	29.92	-13.58	43.50	45.16	14.61	1.86	31.71	---	---	Peak
3	259.50	32.14	-13.86	46.00	42.06	19.58	2.20	31.70	---	---	Peak
4	591.90	32.94	-13.06	46.00	36.24	25.36	3.26	31.92	100	106	Peak
5	760.60	31.37	-14.63	46.00	31.73	27.83	3.74	31.93	---	---	Peak
6 *	881.70	48.45			46.90	28.95	4.12	31.52	---	---	Peak
7	953.10	32.23	-13.77	46.00	28.47	30.59	4.14	30.97	---	---	Peak
8	2726.00	36.30	-37.70	74.00	61.98	27.97	7.58	61.23	---	---	Peak
9	4702.00	40.95	-33.05	74.00	59.19	31.00	10.40	59.64	---	---	Peak
10	6904.00	43.90	-30.10	74.00	54.63	35.00	12.89	58.62	---	---	Peak
11	8950.00	45.96	-28.04	74.00	51.42	37.50	14.89	57.85	---	---	Peak
12	10664.00	48.84	-25.16	74.00	49.80	39.95	16.34	57.25	---	---	Peak
13	11354.00	49.98	-24.02	74.00	49.09	39.75	17.35	56.21	100	102	Peak
14	15525.00	46.50	-27.50	74.00	43.98	38.34	20.67	56.49	---	---	Peak
15	20832.00	46.96	-36.58	83.54	41.30	37.84	18.08	50.26	---	---	Peak
16	28452.00	48.79	-34.75	83.54	37.50	40.20	21.50	50.41	---	---	Peak



Mode :	Mode 4	Temperature :	25~27°C
Test Engineer :	Donny Tang and Eric Jeng	Relative Humidity :	52~55%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		

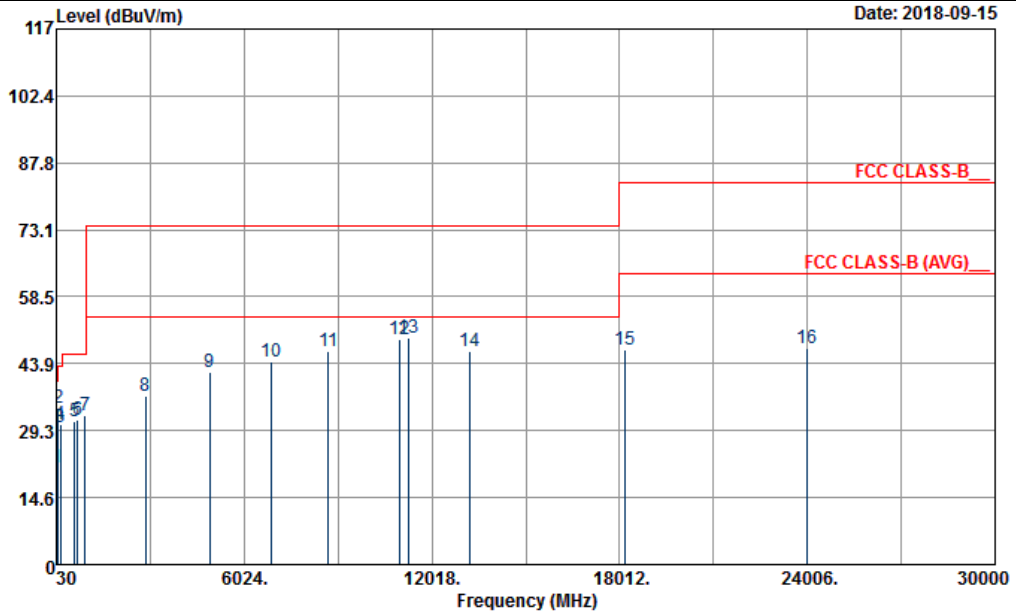


Site : 03CH06-HY  
 Condition : FCC CLASS-B\_\_ 1m SHF\_ANT\_0251\_171110 VERTICAL  
 Project : 881330-01  
 Power : 12Vdc

	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	29.96	-10.04	40.00	36.83	24.19	0.71	31.77	---	---	Peak
2	36.75	32.31	-7.69	40.00	42.74	20.57	0.77	31.77	100	169	Peak
3	128.55	29.04	-14.46	43.50	41.83	17.41	1.52	31.72	---	---	Peak
4	816.60	29.96	-16.04	46.00	29.39	28.44	3.94	31.81	---	---	Peak
5	864.90	30.82	-15.18	46.00	29.20	29.15	4.06	31.59	---	---	Peak
6 *	881.70	49.63			48.08	28.95	4.12	31.52	---	---	Peak
7	939.80	32.48	-13.52	46.00	29.12	30.32	4.13	31.09	---	---	Peak
8	2992.00	36.75	-37.25	74.00	61.51	28.50	8.13	61.39	---	---	Peak
9	4830.00	41.30	-32.70	74.00	58.61	31.05	10.67	59.03	---	---	Peak
10	6686.00	43.67	-30.33	74.00	55.42	34.30	12.61	58.66	---	---	Peak
11	8968.00	46.14	-27.86	74.00	51.58	37.53	14.90	57.87	---	---	Peak
12	10826.00	49.14	-24.86	74.00	49.12	40.33	16.57	56.88	---	---	Peak
13	11382.00	49.21	-24.79	74.00	48.23	39.78	17.39	56.19	100	179	Peak
14	15102.00	46.47	-27.53	74.00	42.60	39.91	20.46	56.50	---	---	Peak
15	18756.00	48.55	-34.99	83.54	43.93	37.90	17.37	50.65	---	---	Peak
16	26640.00	49.39	-34.15	83.54	40.10	39.52	19.96	50.19	---	---	Peak



Mode :	Mode 5	Temperature :	25~27°C
Test Engineer :	Donny Tang and Eric Jeng	Relative Humidity :	52~55%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#2 is FM fundamental signal which can be ignored.		



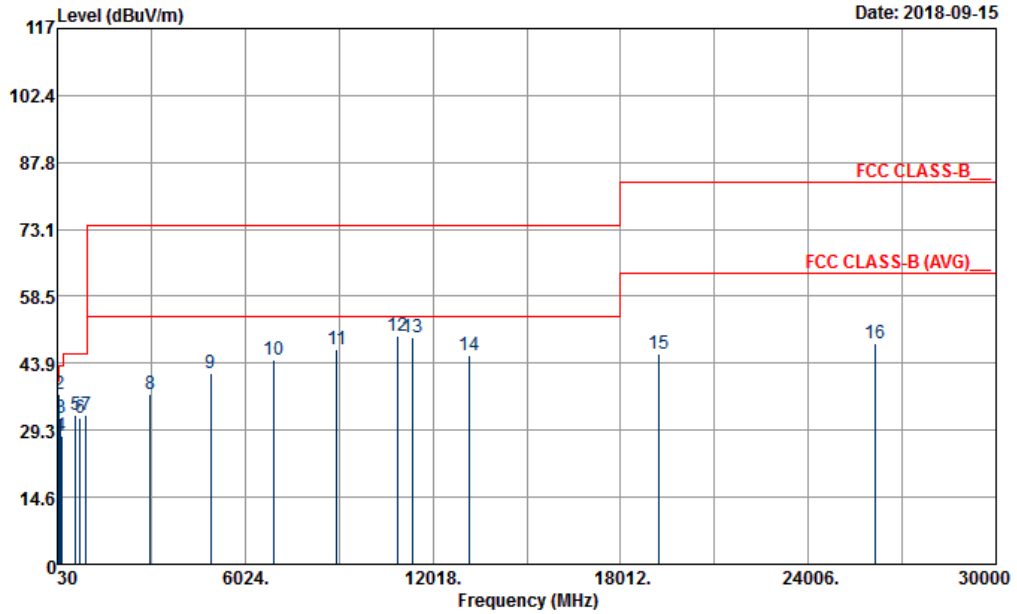
Site : 03CH06-HY  
 Condition : FCC CLASS-B\_\_ 1m SHF\_ANT\_0251\_171110 HORIZONTAL  
 Project : 881330-01  
 Power : 120Vac/60Hz

	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	21.33	-18.67	40.00	28.22	24.17	0.71	31.77	---	---	Peak
2	88.05	34.29			50.48	14.30	1.25	31.74	---	---	Peak
3	162.03	29.99	-13.51	43.50	43.92	16.12	1.67	31.72	---	---	Peak
4	171.75	30.71	-12.79	43.50	45.50	15.22	1.71	31.72	100	107	Peak
5	620.60	31.23	-14.77	46.00	34.20	25.61	3.36	31.94	---	---	Peak
6	716.50	31.70	-14.30	46.00	33.19	26.86	3.63	31.98	---	---	Peak
7	938.40	32.51	-13.49	46.00	29.50	29.98	4.14	31.11	---	---	Peak
8	2868.00	36.80	-37.20	74.00	62.04	28.23	7.85	61.32	---	---	Peak
9	4914.00	41.90	-32.10	74.00	58.64	31.23	10.70	58.67	---	---	Peak
10	6908.00	44.24	-29.76	74.00	54.94	35.03	12.89	58.62	---	---	Peak
11	8708.00	46.70	-27.30	74.00	51.85	37.60	14.81	57.56	---	---	Peak
12	10996.00	49.27	-24.73	74.00	48.44	40.50	16.83	56.50	---	---	Peak
13	11274.00	49.52	-24.48	74.00	48.83	39.73	17.24	56.28	100	0	Peak
14	13248.00	46.53	-27.47	74.00	45.50	38.96	19.32	57.25	---	---	Peak
15	18180.00	46.97	-36.57	83.54	42.55	37.77	17.42	50.77	---	---	Peak
16	23976.00	47.33	-36.21	83.54	39.90	38.70	19.12	50.39	---	---	Peak





Mode :	Mode 5	Temperature :	25~27°C
Test Engineer :	Donny Tang and Eric Jeng	Relative Humidity :	52~55%
Test Distance :	3m	Polarization :	Vertical
Remark :	#2 is FM fundamental signal which can be ignored.		



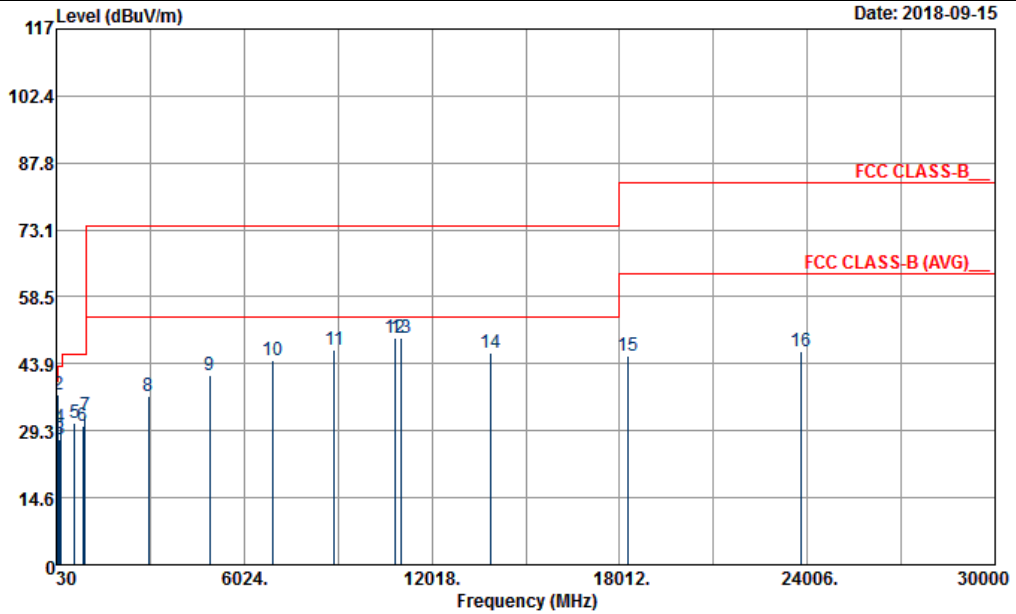
Site : 03CH06-HY  
 Condition : FCC CLASS-B\_\_ 1m SHF\_ANT\_0251\_171110 VERTICAL  
 Project : 881330-01  
 Power : 120Vac/60Hz

	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	42.15	31.23	-8.77	40.00	44.52	17.61	0.86	31.76	100	0 Peak	
2	88.05	37.15			53.34	14.30	1.25	31.74	---	---	Peak
3	140.43	31.98	-11.52	43.50	44.97	17.17	1.56	31.72	---	---	Peak
4	167.43	27.89	-15.61	43.50	42.35	15.57	1.69	31.72	---	---	Peak
5	616.40	32.71	-13.29	46.00	35.77	25.54	3.34	31.94	---	---	Peak
6	745.90	31.80	-14.20	46.00	32.29	27.77	3.68	31.94	---	---	Peak
7	954.50	32.59	-13.41	46.00	28.60	30.81	4.14	30.96	---	---	Peak
8	2996.00	37.06	-36.94	74.00	61.83	28.50	8.13	61.40	---	---	Peak
9	4926.00	41.59	-32.41	74.00	58.29	31.27	10.70	58.67	---	---	Peak
10	6938.00	44.51	-29.49	74.00	55.17	35.07	12.88	58.61	---	---	Peak
11	8962.00	46.80	-27.20	74.00	52.28	37.50	14.89	57.87	---	---	Peak
12	10900.00	49.77	-24.23	74.00	49.41	40.40	16.68	56.72	100	77	Peak
13	11392.00	49.44	-24.56	74.00	48.42	39.78	17.43	56.19	---	---	Peak
14	13194.00	45.49	-28.51	74.00	44.64	38.81	19.28	57.24	---	---	Peak
15	19224.00	45.82	-37.72	83.54	41.28	37.75	17.34	50.55	---	---	Peak
16	26124.00	48.21	-35.33	83.54	39.91	39.17	19.46	50.33	---	---	Peak





Mode :	Mode 6	Temperature :	25~27°C
Test Engineer :	Donny Tang and Eric Jeng	Relative Humidity :	52~55%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#2 is FM fundamental signal which can be ignored.		

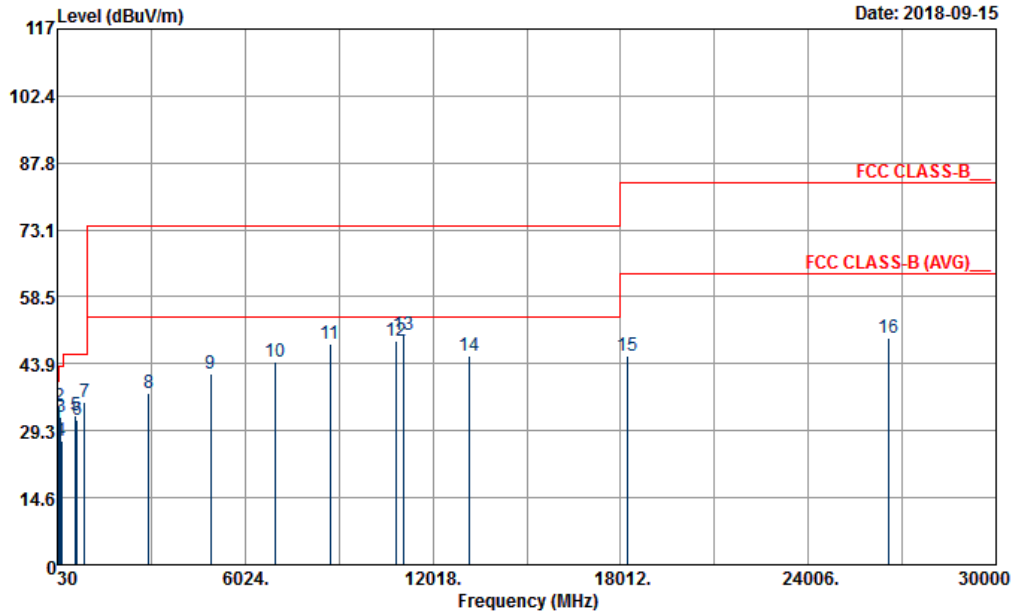


Site : 03CH06-HY  
 Condition : FCC CLASS-B\_\_ 1m SHF\_ANT\_0251\_171110 HORIZONTAL  
 Project : 881330-01  
 Power : 120Vac/60Hz

	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	35.67	21.25	-18.75	40.00	30.94	21.31	0.77	31.77	---	---	Peak
2	98.04	37.18			52.05	15.55	1.31	31.73	---	---	Peak
3	138.00	27.53	-15.97	43.50	40.51	17.19	1.55	31.72	---	---	Peak
4	171.75	30.01	-13.49	43.50	44.80	15.22	1.71	31.72	---	---	Peak
5	622.00	31.12	-14.88	46.00	34.07	25.64	3.36	31.95	---	---	Peak
6	865.60	30.41	-15.59	46.00	28.88	29.06	4.06	31.59	---	---	Peak
7	958.70	32.65	-13.35	46.00	28.39	31.02	4.16	30.92	100	23	Peak
8	2970.00	36.95	-37.05	74.00	61.76	28.50	8.07	61.38	---	---	Peak
9	4918.00	41.34	-32.66	74.00	58.08	31.23	10.70	58.67	---	---	Peak
10	6940.00	44.65	-29.35	74.00	55.31	35.07	12.88	58.61	---	---	Peak
11	8916.00	46.89	-27.11	74.00	52.18	37.63	14.88	57.80	---	---	Peak
12	10842.00	49.51	-24.49	74.00	49.41	40.35	16.60	56.85	---	---	Peak
13	11058.00	49.61	-24.39	74.00	48.93	40.23	16.91	56.46	100	0	Peak
14	13905.00	46.22	-27.78	74.00	43.22	40.55	19.83	57.38	---	---	Peak
15	18288.00	45.48	-38.06	83.54	40.93	37.88	17.41	50.74	---	---	Peak
16	23784.00	46.63	-36.91	83.54	39.07	38.70	19.13	50.27	---	---	Peak



Mode :	Mode 6	Temperature :	25~27°C
Test Engineer :	Donny Tang and Eric Jeng	Relative Humidity :	52~55%
Test Distance :	3m	Polarization :	Vertical
Remark :	#2 is FM fundamental signal which can be ignored.		

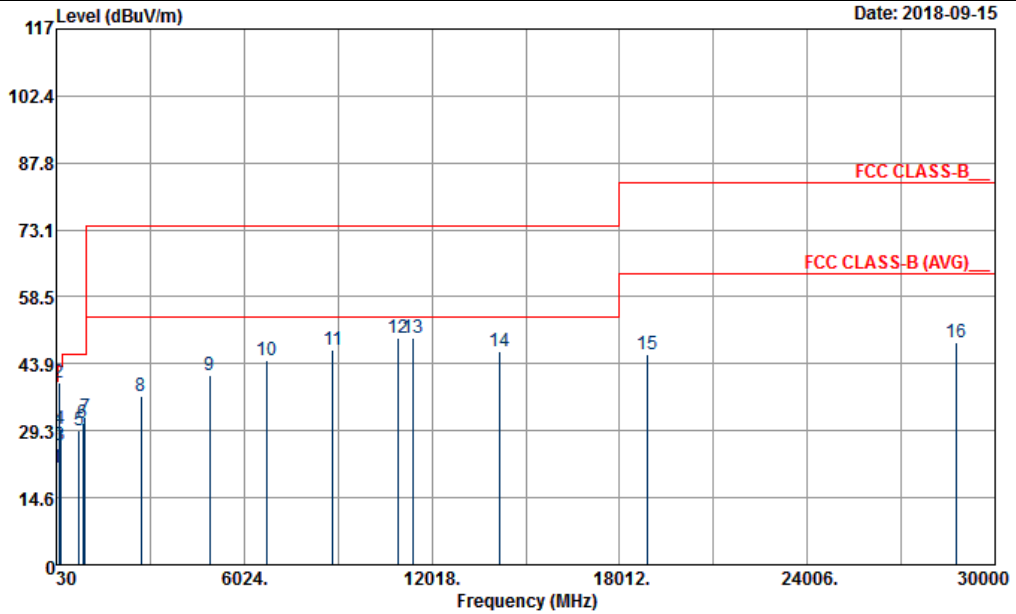


Site : 03CH06-HY  
 Condition : FCC CLASS-B\_\_ 1m SHF\_ANT\_0251\_171110 VERTICAL  
 Project : 881330-01  
 Power : 120Vac/60Hz

	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	41.88	30.72	-9.28	40.00	43.49	18.15	0.84	31.76	100	0 Peak	
2	98.04	34.62			49.49	15.55	1.31	31.73	---	---	Peak
3	138.54	32.21	-11.29	43.50	45.16	17.21	1.56	31.72	---	---	Peak
4	166.35	27.17	-16.33	43.50	41.53	15.67	1.69	31.72	---	---	Peak
5	622.00	32.60	-13.40	46.00	35.55	25.64	3.36	31.95	---	---	Peak
6	673.10	31.70	-14.30	46.00	33.87	26.27	3.54	31.98	---	---	Peak
7	902.70	35.52	-10.48	46.00	33.72	29.02	4.19	31.41	---	---	Peak
8	2960.00	37.43	-36.57	74.00	62.29	28.50	8.02	61.38	---	---	Peak
9	4924.00	41.72	-32.28	74.00	58.42	31.27	10.70	58.67	---	---	Peak
10	6988.00	44.26	-29.74	74.00	54.76	35.23	12.87	58.60	---	---	Peak
11	8730.00	48.29	-25.71	74.00	53.25	37.80	14.81	57.57	---	---	Peak
12	10846.00	48.95	-25.05	74.00	48.85	40.35	16.60	56.85	---	---	Peak
13	11072.00	50.18	-23.82	74.00	49.45	40.23	16.94	56.44	100	74 Peak	
14	13194.00	45.49	-28.51	74.00	44.64	38.81	19.28	57.24	---	---	Peak
15	18252.00	45.72	-37.82	83.54	41.22	37.84	17.41	50.75	---	---	Peak
16	26556.00	49.60	-33.94	83.54	40.41	39.45	19.88	50.14	---	---	Peak



Mode :	Mode 7	Temperature :	25~27°C
Test Engineer :	Donny Tang and Eric Jeng	Relative Humidity :	52~55%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#2 is FM fundamental signal which can be ignored.		

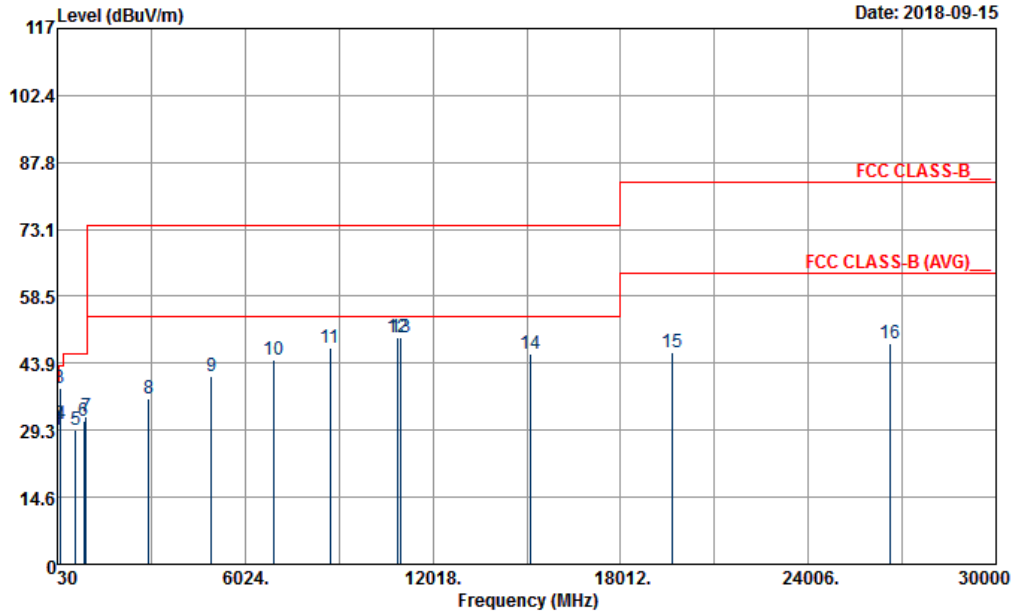


Site : 03CH06-HY  
 Condition : FCC CLASS-B\_\_ 1m SHF\_ANT\_0251\_171110 HORIZONTAL  
 Project : 881330-01  
 Power : 120Vac/60Hz

	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	21.24	-18.76	40.00	28.13	24.17	0.71	31.77	---	---	Peak
2	108.03	39.63			53.46	16.51	1.39	31.73	---	---	Peak
3	137.73	25.95	-17.55	43.50	38.93	17.19	1.55	31.72	---	---	Peak
4	168.51	29.77	-13.73	43.50	44.33	15.47	1.69	31.72	---	---	Peak
5	755.00	29.21	-16.79	46.00	29.57	27.86	3.71	31.93	---	---	Peak
6	867.70	30.93	-15.07	46.00	29.37	29.07	4.07	31.58	---	---	Peak
7	957.30	32.31	-13.69	46.00	28.12	30.97	4.16	30.94	100	63	Peak
8	2736.00	36.90	-37.10	74.00	62.59	27.97	7.58	61.24	---	---	Peak
9	4916.00	41.32	-32.68	74.00	58.06	31.23	10.70	58.67	---	---	Peak
10	6736.00	44.56	-29.44	74.00	56.11	34.37	12.73	58.65	---	---	Peak
11	8848.00	46.77	-27.23	74.00	51.65	38.00	14.85	57.73	---	---	Peak
12	10964.00	49.41	-24.59	74.00	48.71	40.47	16.79	56.56	100	0	Peak
13	11408.00	49.39	-24.61	74.00	48.34	39.80	17.43	56.18	---	---	Peak
14	14193.00	46.62	-27.38	74.00	42.85	40.93	20.01	57.17	---	---	Peak
15	18900.00	45.99	-37.55	83.54	41.48	37.77	17.36	50.62	---	---	Peak
16	28752.00	48.69	-34.85	83.54	36.95	40.57	21.67	50.50	---	---	Peak



Mode :	Mode 7	Temperature :	25~27°C
Test Engineer :	Donny Tang and Eric Jeng	Relative Humidity :	52~55%
Test Distance :	3m	Polarization :	Vertical
Remark :	#3 is FM fundamental signal which can be ignored.		

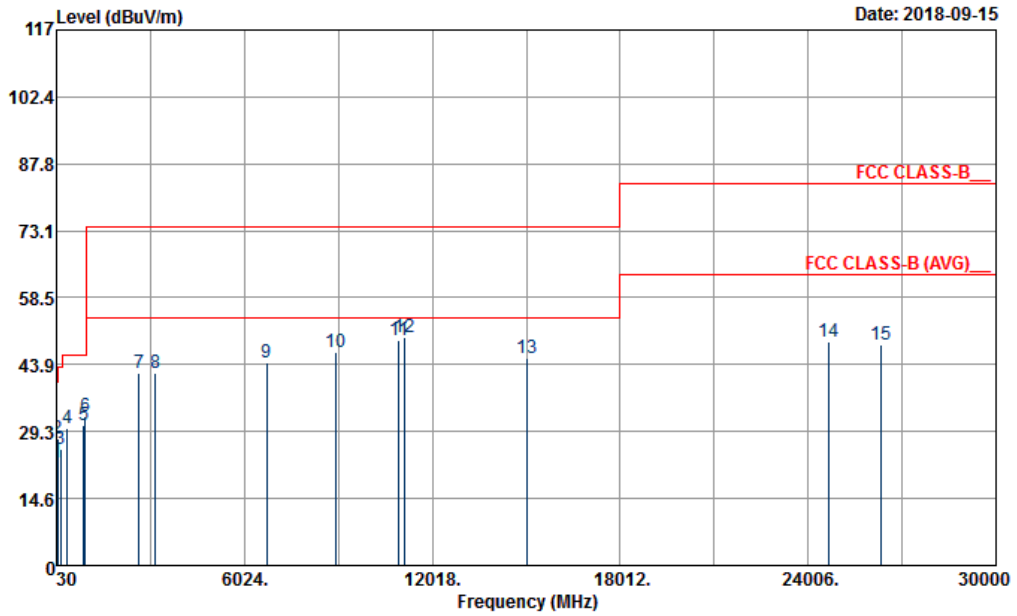


Site : 03CH06-HY  
 Condition : FCC CLASS-B\_\_ 1m SHF\_ANT\_0251\_171110 VERTICAL  
 Project : 881330-01  
 Power : 120Vac/60Hz

	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	31.35	29.44	-10.56	40.00	36.79	23.70	0.72	31.77	---	---	Peak
2	42.96	30.53	-9.47	40.00	43.82	17.61	0.86	31.76	100	0	Peak
3	108.03	38.56			52.39	16.51	1.39	31.73	---	---	Peak
4	139.08	30.64	-12.86	43.50	43.59	17.21	1.56	31.72	---	---	Peak
5	624.10	29.29	-16.71	46.00	32.15	25.72	3.37	31.95	---	---	Peak
6	883.80	31.45	-14.55	46.00	29.75	29.08	4.13	31.51	---	---	Peak
7	955.90	32.27	-13.73	46.00	28.15	30.92	4.15	30.95	---	---	Peak
8	2940.00	36.25	-37.75	74.00	61.17	28.43	8.02	61.37	---	---	Peak
9	4940.00	41.08	-32.92	74.00	57.68	31.30	10.71	58.61	---	---	Peak
10	6932.00	44.61	-29.39	74.00	55.26	35.07	12.89	58.61	---	---	Peak
11	8742.00	47.13	-26.87	74.00	52.10	37.80	14.82	57.59	---	---	Peak
12	10904.00	49.51	-24.49	74.00	49.13	40.42	16.68	56.72	100	63	Peak
13	11000.00	49.46	-24.54	74.00	48.63	40.50	16.83	56.50	---	---	Peak
14	15120.00	46.10	-27.90	74.00	42.29	39.84	20.47	56.50	---	---	Peak
15	19656.00	46.26	-37.28	83.54	41.65	37.80	17.31	50.50	---	---	Peak
16	26628.00	48.23	-35.31	83.54	38.97	39.50	19.94	50.18	---	---	Peak



Mode :	Mode 8	Temperature :	25~27°C
Test Engineer :	Donny Tang and Eric Jeng	Relative Humidity :	52~55%
Test Distance :	3m	Polarization :	Horizontal

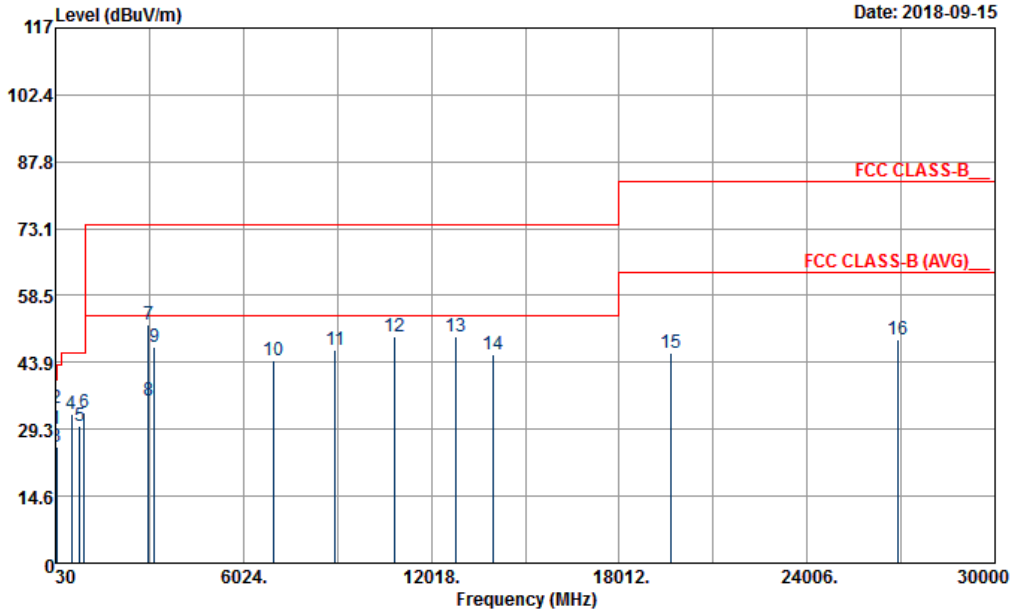


Site : 03CH06-HY  
 Condition : FCC CLASS-B\_\_ 1m SHF\_ANT\_0251\_171110 HORIZONTAL  
 Project : 881330-01  
 Power : From System

	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	54.03	22.37	-17.63	40.00	40.45	12.61	1.07	31.76	---	---	Peak
2	74.28	27.64	-12.36	40.00	45.83	12.44	1.12	31.75	100	0	Peak
3	166.35	25.30	-18.20	43.50	39.66	15.67	1.69	31.72	---	---	Peak
4	366.50	30.13	-15.87	46.00	38.58	20.65	2.62	31.72	---	---	Peak
5	889.40	30.78	-15.22	46.00	29.08	29.04	4.15	31.49	---	---	Peak
6	954.50	32.59	-13.41	46.00	28.60	30.81	4.14	30.96	---	---	Peak
7	2656.00	41.92	-32.08	74.00	67.83	27.80	7.48	61.19	---	---	Peak
8	3188.00	41.88	-32.12	74.00	66.00	28.80	8.55	61.47	---	---	Peak
9	6744.00	44.43	-29.57	74.00	55.89	34.40	12.79	58.65	---	---	Peak
10	8950.00	46.47	-27.53	74.00	51.93	37.50	14.89	57.85	---	---	Peak
11	10946.00	49.18	-24.82	74.00	48.61	40.45	16.75	56.63	---	---	Peak
12	11116.00	49.78	-24.22	74.00	49.11	40.05	17.02	56.40	100	0	Peak
13	15048.00	45.24	-28.76	74.00	41.13	40.18	20.43	56.50	---	---	Peak
14	24684.00	48.80	-34.74	83.54	41.02	39.18	19.20	50.60	---	---	Peak
15	26352.00	48.13	-35.41	83.54	39.30	39.32	19.69	50.18	---	---	Peak



Mode :	Mode 8	Temperature :	25~27°C
Test Engineer :	Donny Tang and Eric Jeng	Relative Humidity :	52~55%
Test Distance :	3m	Polarization :	Vertical

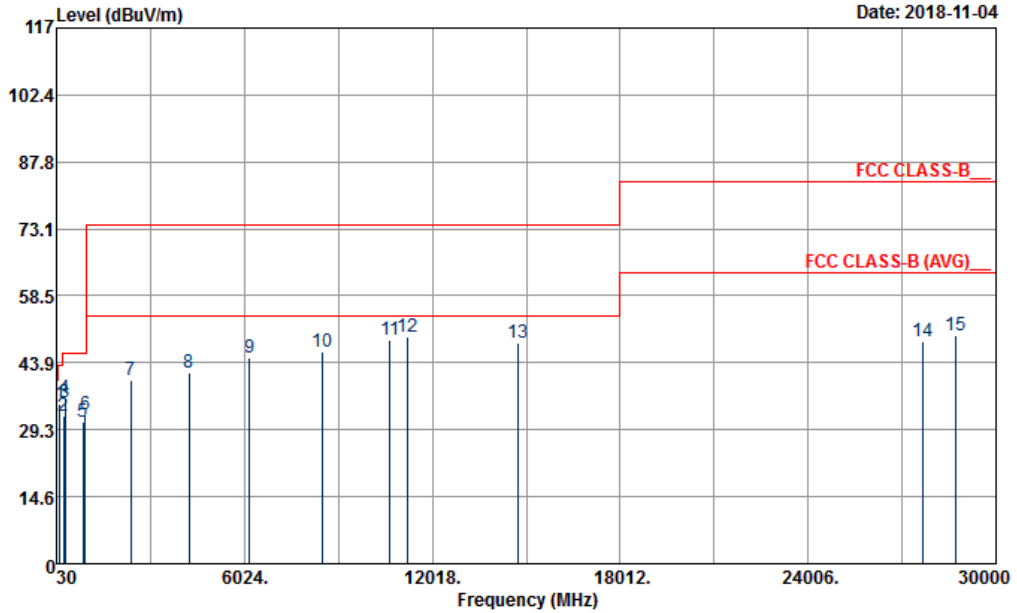


Site : 03CH06-HY  
 Condition : FCC CLASS-B\_\_ 1m SHF\_ANT\_0251\_171110 VERTICAL  
 Project : 881330-01  
 Power : From System

	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	30.81	29.31	-10.69	40.00	36.66	23.70	0.72	31.77	---	---	Peak
2	53.49	33.99	-6.01	40.00	51.70	12.98	1.07	31.76	100	23	Peak
3	74.82	25.40	-14.60	40.00	43.59	12.44	1.12	31.75	---	---	Peak
4	531.70	32.44	-13.56	46.00	37.26	23.91	3.13	31.86	---	---	Peak
5	801.90	29.95	-16.05	46.00	29.82	28.09	3.91	31.87	---	---	Peak
6	956.60	33.04	-12.96	46.00	28.91	30.92	4.15	30.94	---	---	Peak
7	3000.00	52.29	-21.71	74.00	77.06	28.50	8.13	61.40	100	26	Peak
8	3000.00	35.49	-18.51	54.00	60.26	28.50	8.13	61.40	100	26	Average
9	3194.00	47.20	-26.80	74.00	71.33	28.80	8.55	61.48	---	---	Peak
10	6986.00	44.42	-29.58	74.00	54.91	35.23	12.88	58.60	---	---	Peak
11	8960.00	46.70	-27.30	74.00	52.18	37.50	14.89	57.87	---	---	Peak
12	10858.00	49.49	-24.51	74.00	49.33	40.37	16.60	56.81	---	---	Peak
13	12794.00	49.45	-24.55	74.00	50.08	39.10	18.96	58.69	---	---	Peak
14	14013.00	45.47	-28.53	74.00	42.18	40.77	19.92	57.40	---	---	Peak
15	19644.00	45.83	-37.71	83.54	41.22	37.80	17.31	50.50	---	---	Peak
16	26880.00	48.92	-34.62	83.54	39.35	39.71	20.19	50.33	---	---	Peak



Mode :	Mode 9	Temperature :	25~27°C
Test Engineer :	Donny Tang and Eric Jeng	Relative Humidity :	52~55%
Test Distance :	3m	Polarization :	Horizontal

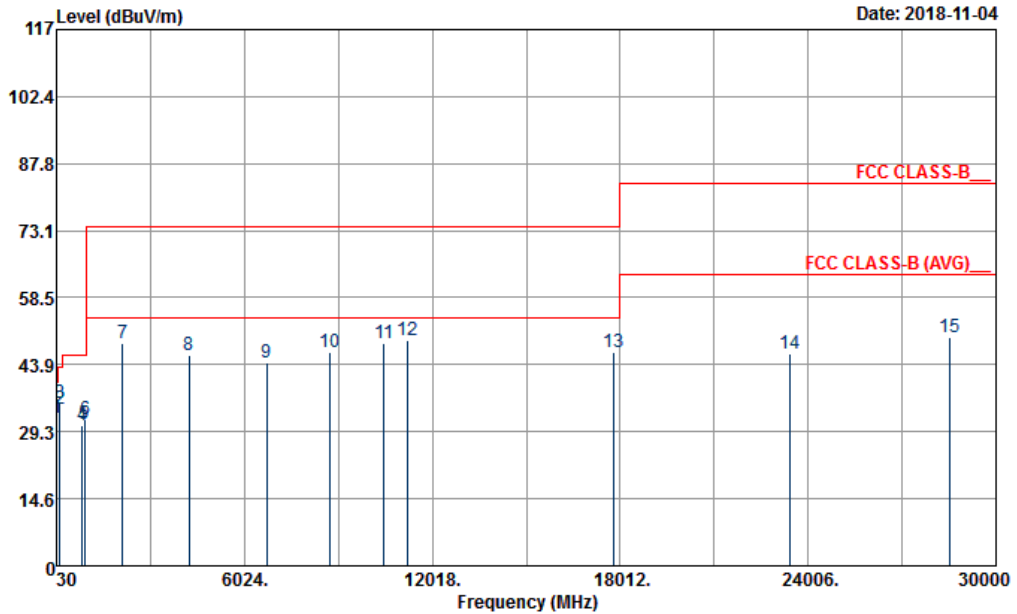


Site : 03CH06-HY  
 Condition : FCC CLASS-B\_\_ 1m SHF\_ANT\_0251\_171110 HORIZONTAL  
 Project : 881330-01  
 Power : From System

	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	139.35	34.73	-8.77	43.50	47.71	17.18	1.56	31.72	100	111 Peak	
2	266.25	32.34	-13.66	46.00	42.87	18.94	2.23	31.70	---	---	Peak
3	299.46	35.24	-10.76	46.00	45.58	18.99	2.36	31.69	---	---	Peak
4	311.90	36.30	-9.70	46.00	46.47	19.11	2.41	31.69	---	---	Peak
5	881.70	30.98	-15.02	46.00	29.43	28.95	4.12	31.52	---	---	Peak
6	935.60	32.63	-13.37	46.00	29.41	30.20	4.14	31.12	---	---	Peak
7	2400.00	40.05	-33.95	74.00	66.53	27.60	7.02	61.10	---	---	Peak
8	4268.00	41.80	-32.20	74.00	63.11	30.03	9.68	61.02	---	---	Peak
9	6198.00	45.10	-28.90	74.00	58.48	33.00	12.01	58.39	---	---	Peak
10	8512.00	46.43	-27.57	74.00	52.12	37.07	14.56	57.32	---	---	Peak
11	10670.00	48.81	-25.19	74.00	49.76	39.93	16.34	57.22	---	---	Peak
12	11206.00	49.65	-24.35	74.00	49.05	39.80	17.13	56.33	100	150 Peak	
13	14742.00	48.12	-25.88	74.00	43.73	40.77	20.28	56.66	---	---	Peak
14	27648.00	48.41	-35.13	83.54	37.99	39.78	20.93	50.29	---	---	Peak
15	28716.00	49.95	-33.59	83.54	38.30	40.50	21.64	50.49	---	---	Peak



<b>Mode :</b>	Mode 9	<b>Temperature :</b>	25~27°C
<b>Test Engineer :</b>	Donny Tang and Eric Jeng	<b>Relative Humidity :</b>	52~55%
<b>Test Distance :</b>	3m	<b>Polarization :</b>	Vertical



Site : 03CH06-HY  
 Condition : FCC CLASS-B\_\_ 1m SHF\_ANT\_0251\_171110 VERTICAL  
 Project : 881330-01  
 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	53.76	32.32	-7.68	40.00	50.26	12.75	1.07	31.76	100	174	Peak
2	132.33	34.17	-9.33	43.50	46.99	17.37	1.53	31.72	---	---	Peak
3	142.05	35.37	-8.13	43.50	48.33	17.19	1.57	31.72	---	---	Peak
4	844.60	30.60	-15.40	46.00	29.07	29.22	3.99	31.68	---	---	Peak
5	913.20	31.04	-14.96	46.00	28.70	29.50	4.17	31.33	---	---	Peak
6	945.40	31.98	-14.02	46.00	28.47	30.42	4.13	31.04	---	---	Peak
7	2128.00	48.44	-25.56	74.00	75.48	27.40	6.66	61.10	---	---	Peak
8	4254.00	45.96	-28.04	74.00	67.39	30.00	9.62	61.05	---	---	Peak
9	6744.00	44.26	-29.74	74.00	55.72	34.40	12.79	58.65	---	---	Peak
10	8754.00	46.51	-27.49	74.00	51.40	37.90	14.82	57.61	---	---	Peak
11	10488.00	48.62	-25.38	74.00	50.16	40.00	16.08	57.62	---	---	Peak
12	11236.00	49.11	-24.89	74.00	48.48	39.77	17.17	56.31	100	125	Peak
13	17820.00	46.70	-27.30	74.00	34.55	46.25	22.60	56.70	---	---	Peak
14	23448.00	46.19	-37.35	83.54	38.47	38.70	19.14	50.12	---	---	Peak
15	28536.00	50.00	-33.54	83.54	38.61	40.26	21.55	50.42	---	---	Peak

—————THE END—————