



# FCC EMI TEST REPORT

**FCC ID** : PY7-04605Z  
**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 Feb. 11, 2019 and testing was started from Apr. 13, 2019 and completed on May 22, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI C63.4-2014 and has been in compliance with the applicable technical standards.

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

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Jones Tsai

**SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory**  
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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### Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.107	AC Conducted Emission	Pass	Under limit 9.50 dB at 0.16125 MHz
3.2	15.109	Radiated Emission	Pass	Under limit 5.75 dB at 31.940 MHz

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and Explanations:**

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

**Reviewed by: Louis Wu**

**Report Producer: Natasha Hsieh**

# 1. General Description

## 1.1. Product Feature of Equipment Under Test

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

Product Specification subjective to this standard	
<b>Antenna Type</b>	WWAN Antenna: Monopole / Loop Antenna WLAN: Monopole Antenna Bluetooth: Monopole Antenna GPS / Glonass / BDS / Galileo / QZSS: Loop Antenna NFC: Loop Antenna

EUT Information List			
HW Version	SW Version	S/N	Performed Test Item
A	0.21	BH92002WGE	Conducted Emission Radiated Emission

Accessory List	
<b>AC Adapter</b>	Model Name : UCH20
	S/N: 3515W45302494
<b>Earphone 1</b>	Model Name.: STH40D
	S/N : N/A
<b>Earphone 2</b>	Model Name.: SBH82D
	S/N : N/A
<b>USB Cable</b>	Model Name.: UCB20
	S/N : N/A

**Note:**

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

## 1.2. Modification of EUT

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

### 1.3. Test Location

<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

FCC Designation No.: TW1093 and TW1098

### 1.4. Applicable Standards

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

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

**Remark:** All test items were verified and recorded according to the standards and without any deviation during the test.

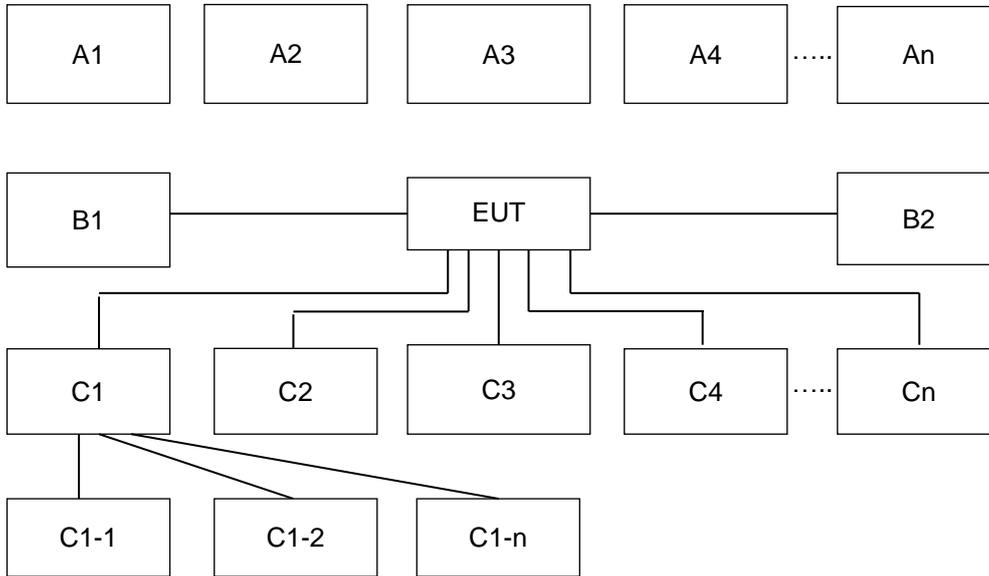
## 2. Test Configuration of Equipment Under Test

### 2.1. Test Mode

The EUT has been associated with peripherals pursuant to ANSI C63.4-2014 and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (30MHz to the 5<sup>th</sup> 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 (Middle Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + MP3 + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 2 : LTE Band 12 (Middle Channel) Idle + Bluetooth Idle + WLAN (5GHz) Idle + Camera (Front) + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 3 : GSM850 (Low Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + Camera (Rear) + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 4 : GSM850 (High Channel) Idle + Bluetooth Idle + WLAN (5GHz) Idle + NFC On + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 5 : Flight Mode + USB Cable (Data Link with Notebook) + Battery + Earphone
<b>Radiated Emissions</b>	Mode 1 : GSM850 (Middle Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + MP3 + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 2 : LTE Band 12 (Middle Channel) Idle + Bluetooth Idle + WLAN (5GHz) Idle + Camera (Front) + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 3 : GSM850 (Low Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + Camera (Rear) + USB Cable (Charging from Car Charger (12Vdc)) + Battery + Earphone
	Mode 4 : GSM850 (High Channel) Idle + Bluetooth Idle + WLAN (5GHz) Idle + NFC On + USB Cable (Charging from Car Charger (24Vdc)) + Battery + Earphone
	Mode 5 : Flight Mode + USB Cable (Data Link with Notebook) + Battery + Earphone
<b>Remark:</b>	
<ol style="list-style-type: none"> <li>1. Data Linking with Notebook means data application transferred mode between EUT and Notebook.</li> <li>2. For radiation emission after pre-scanned the cellular band between 30MHz ~ 960MHz (GSM850/WCDMA Band V/LTE Band 5/12/17); only the worst case for cellular band 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		
A1	System Simulator	GSM/UMTS/CDMA/WCDMA/LTE	X	X	X	X			
A2	BT Earphone	Bluetooth	X	X	X	X			
A3	AP router	WiFi	X	X	X	X			
No.	Power Source	Connection Type	1	2	3	4	5		
B1	AC : 120V/60Hz	AC Power Cable	X	X	X	X			
No.	Setup Peripherals	Connection Type	1	2	3	4	5		
C1	Notebook	USB Cable					X		
C1-1	Music Player	USB Cable to C1					X		
C1-2	AP router	RJ-45 Cable to C1					X		
C2	Earphone	Earphone jack	X	X	X	X	X		
C3	SD card	SD I/O interface without Cable	X	X	X	X	X		

Radiation Test Setup									
No.	Wireless Station	Connection Type	Test Mode						
			1	2	3	4	5		
A1	System Simulator	GSM/UMTS/CDMA/ WCDMA/LTE	X	X	X	X			
A2	BT Earphone	Bluetooth	X	X	X	X			
A3	AP router	WiFi	X	X	X	X			
No.	Power Source	Connection Type	1	2	3	4	5		
B1	AC : 120V/60Hz	AC Power Cable	X	X					
B2	DC : 12V	DC Power Cable			X				
	DC : 24V	DC Power Cable				X			
No.	Setup Peripherals	Connection Type	1	2	3	4	5		
C1	Notebook	USB Cable					X		
C1-1	Music Player	USB Cable to C1					X		
C1-2	AP router	RJ-45 Cable to C1					X		
C2	Earphone	Earphone jack	X	X	X	X	X		
C3	SD card	SD I/O interface without Cable	X	X	X	X	X		
C4	Smart Phone	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.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	Music Player	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
4.	Notebook	Dell	Latitude E5570	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	Notebook	DELL	Latitude E6320	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
6.	Car Battery	GS	65B24LS	FCC DoC	NA	NA
7.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A
8.	Smart Phone	SONY	N/A	PY7-04605Z	N/A	N/A



## **2.4. EUT Operation Test Setup**

The EUT was in GSM and LTE idle mode during the testing. The EUT was synchronized with the BCCH, and had been continuous receiving mode by setting paging reorganization of the system simulator.

At the same time, the EUT was attached to the Bluetooth earphone or WLAN AP, and the following programs installed in the EUT were programmed during the test:

1. Data application is transferred between Laptop and EUT via USB cable.
2. Execute "Music Player" to play MP3 files.
3. Turn on camera to capture images.
4. Turn on NFC function
5. The data application (each file size is greater than 30Mbytes) is continuously transferred between the EUT and Notebook connected via USB cable, while Flight mode..



### 3. Test Result

#### 3.1. Test of AC Conducted Emission Measurement

##### 3.1.1 Limits of AC Conducted Emission

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

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

\*Decreases with the logarithm of the frequency.

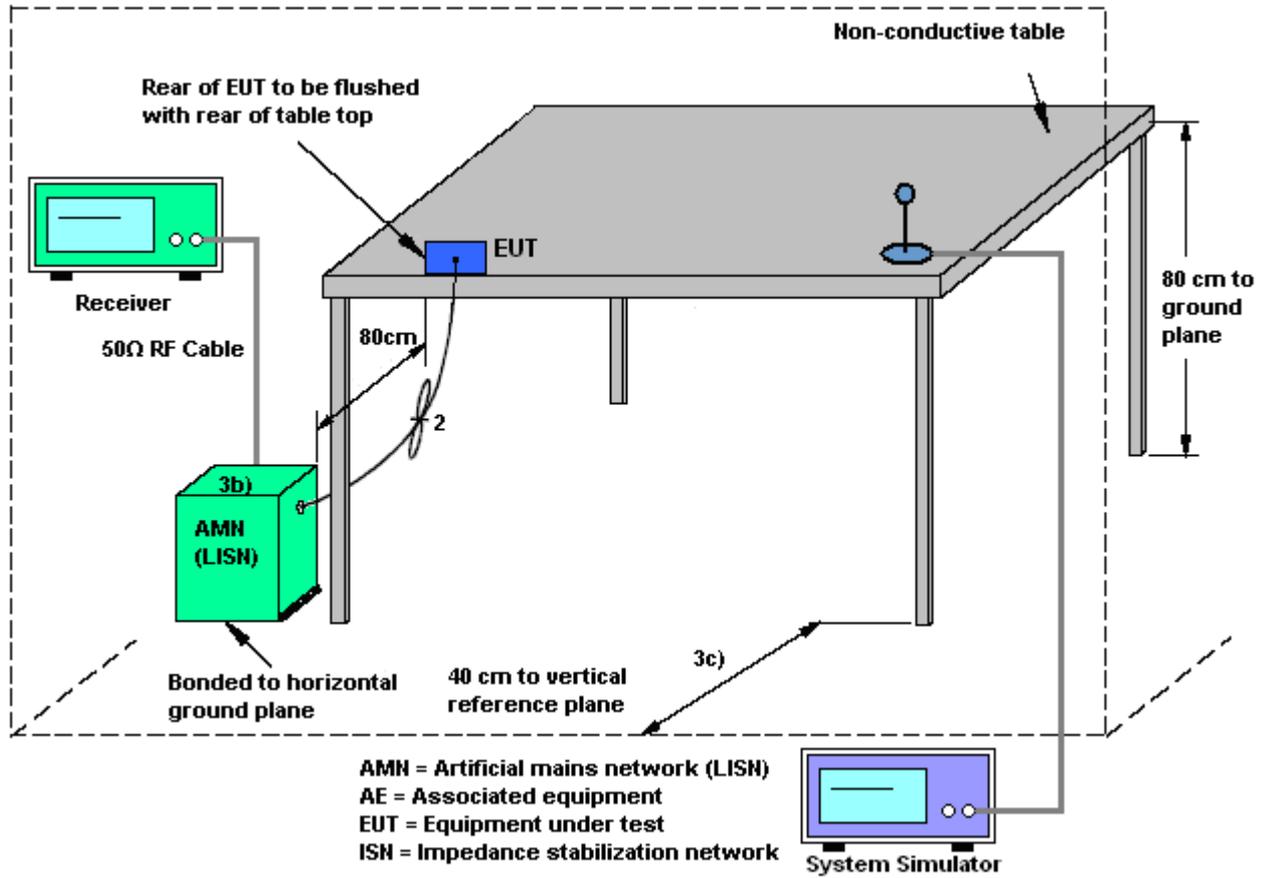
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedure

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

### 3.1.4 Test Setup



### 3.1.5 Test Result of AC Conducted Emission

Please refer to Appendix A.



### 3.2. Test of Radiated Emission Measurement

#### 3.2.1. Limit of Radiated Emission

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

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

#### 3.2.2. Measuring Instruments

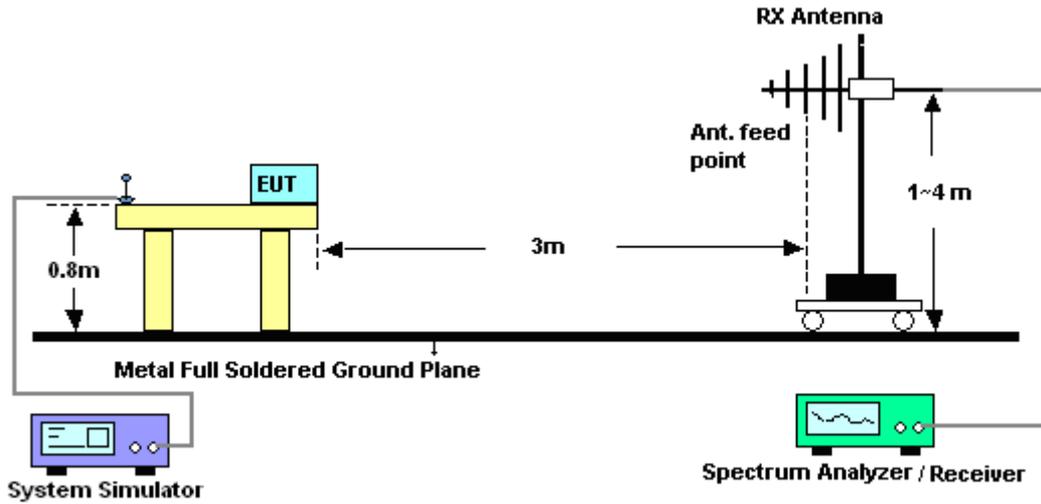
Refer a test equipment and calibration data table in this test report.

#### 3.2.3. Test Procedures

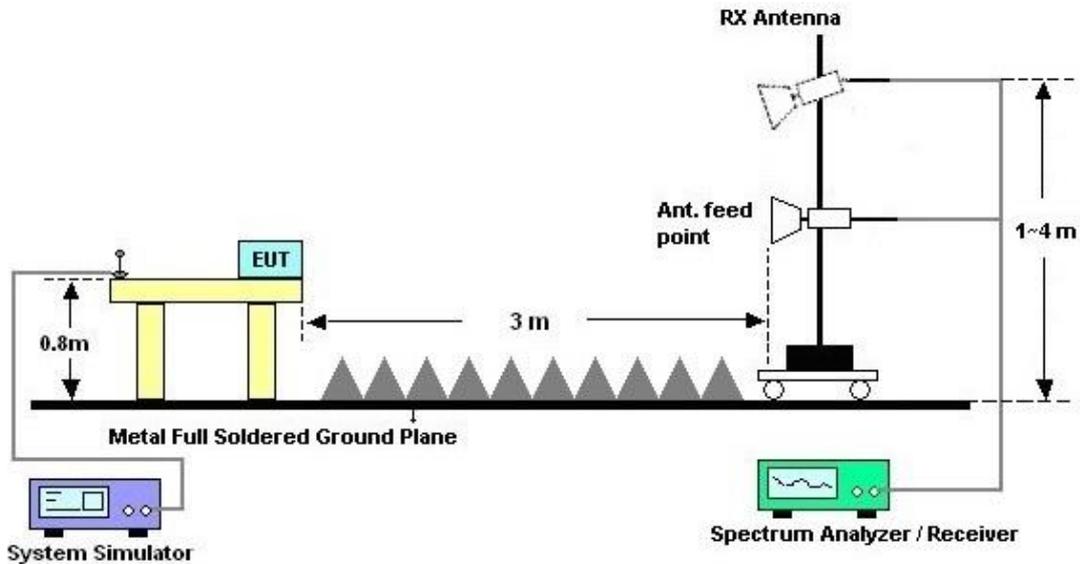
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna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

### 3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



### 3.2.5. Test Result of Radiated Emission

Please refer to Appendix B.



### 4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Apr. 13, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Nov. 12, 2018	Apr. 13, 2019	Nov. 11, 2019	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Mar. 05, 2019	Apr. 13, 2019	Mar. 04, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Apr. 13, 2019	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Apr. 13, 2019	Nov. 08, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Apr. 13, 2019	N/A	Conduction (CO05-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Sep. 14, 2018	Apr. 13, 2019	Sep. 13, 2019	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-FN	9561-FN00373	9kHz-200MHz	Nov. 08, 2018	Apr. 13, 2019	Nov. 07, 2019	Conduction (CO05-HY)
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Oct. 23, 2018	Apr. 17, 2019~ May 22, 2019	Oct. 22, 2019	Radiation (03CH10-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	35413&02	30MHz~1GHz	Feb. 12, 2019	Apr. 17, 2019~ May 22, 2019	Feb. 11, 2020	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1325	1GHz ~ 18GHz	Oct. 02, 2018	Apr. 17, 2019~ May 22, 2019	Oct. 01, 2019	Radiation (03CH10-HY)
Preamplifier	Jet-Power	JAP00101800-30-10P	160118550004	1GHz~18GHz	Apr. 16, 2019	Apr. 17, 2019~ May 22, 2019	Apr. 15, 2020	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz ~ 44GHz	Nov. 02, 2018	Apr. 17, 2019~ May 22, 2019	Nov. 01, 2019	Radiation (03CH10-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Apr. 17, 2019~ May 22, 2019	N/A	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Apr. 17, 2019~ May 22, 2019	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	Apr. 17, 2019~ May 22, 2019	N/A	Radiation (03CH10-HY)
Software	Audix	E3 6.2009-8-24	RK-001042	N/A	N/A	Apr. 17, 2019~ May 22, 2019	N/A	Radiation (03CH10-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY54130085	20Hz ~ 8.4GHz	Nov. 01, 2018	Apr. 17, 2019~ May 22, 2019	Oct. 31, 2019	Radiation (03CH10-HY)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4PE, MY11693/4PE, MY2855/2	30M-1G	Nov. 08, 2018	Apr. 17, 2019~ May 22, 2019	Nov. 07, 2019	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4PE, MY11693/4PE, MY2855/2	1G-18G	Nov. 08, 2018	Apr. 17, 2019~ May 22, 2019	Nov. 07, 2019	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Oct. 16, 2018	Apr. 17, 2019~ May 22, 2019	Oct. 15, 2019	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30M~40GHz	Oct. 16, 2018	Apr. 17, 2019~ May 22, 2019	Oct. 15, 2019	Radiation (03CH10-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170 584	18GHz- 40GHz	Dec. 05, 2018	Apr. 17, 2019~ May 22, 2019	Dec. 04, 2019	Radiation (03CH10-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 06, 2018	Apr. 17, 2019~ May 22, 2019	Dec. 05, 2019	Radiation (03CH10-HY)
Filter	Microwave	H1G013G1	SN477215	1.0G High Pass	Nov. 02, 2018	Apr. 17, 2019~ May 22, 2019	Nov. 01, 2019	Radiation (03CH10-HY)
Filter	Wainwright	WLKS1200-8 SS	SN3	1.2G Low Pass	Nov. 02, 2018	Apr. 17, 2019~ May 22, 2019	Nov. 01, 2019	Radiation (03CH10-HY)



## 5. Uncertainty of Evaluation

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

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

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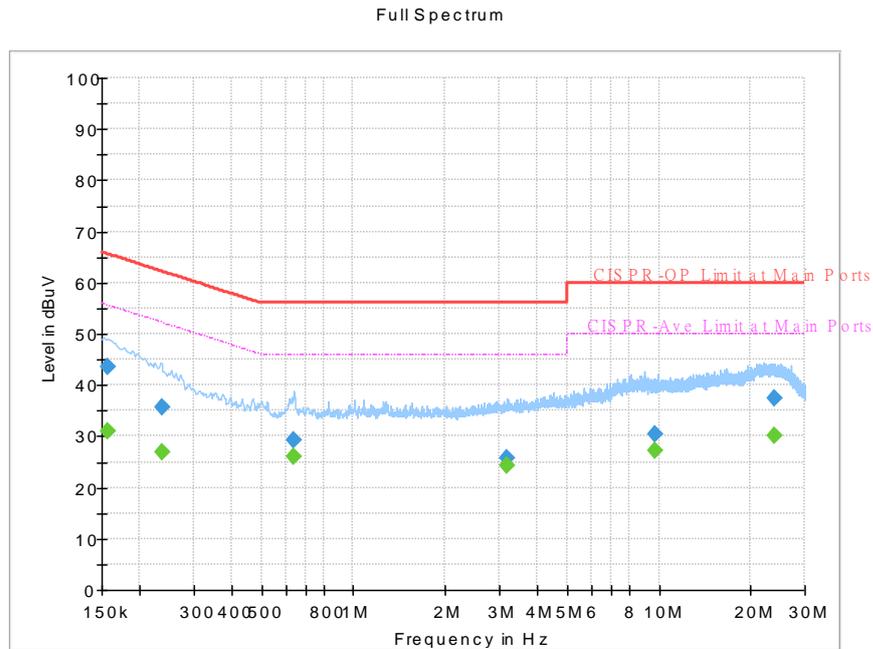
### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

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

Test Mode :	Mode 1	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	51~54%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

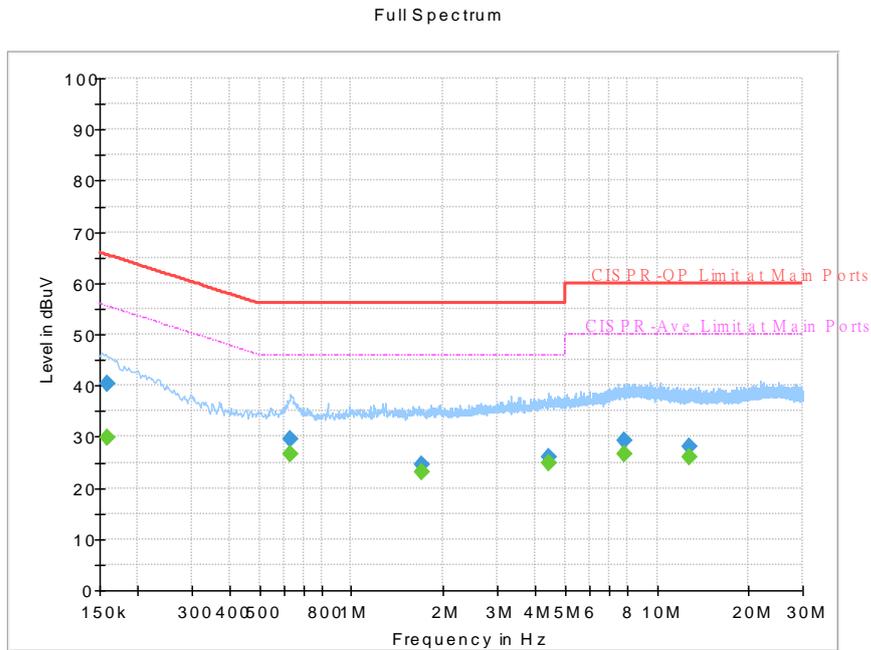


### Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	31.01	55.63	24.62	L1	OFF	19.5
0.156750	43.43	---	65.63	22.20	L1	OFF	19.5
0.235500	---	26.94	52.25	25.31	L1	OFF	19.5
0.235500	35.70	---	62.25	26.55	L1	OFF	19.5
0.640500	---	25.92	46.00	20.08	L1	OFF	19.6
0.640500	29.34	---	56.00	26.66	L1	OFF	19.6
3.178500	---	24.21	46.00	21.79	L1	OFF	19.6
3.178500	25.70	---	56.00	30.30	L1	OFF	19.6
9.681000	---	27.21	50.00	22.79	L1	OFF	19.9
9.681000	30.48	---	60.00	29.52	L1	OFF	19.9
23.822250	---	30.00	50.00	20.00	L1	OFF	20.3
23.822250	37.42	---	60.00	22.58	L1	OFF	20.3



Test Mode :	Mode 1	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	51~54%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

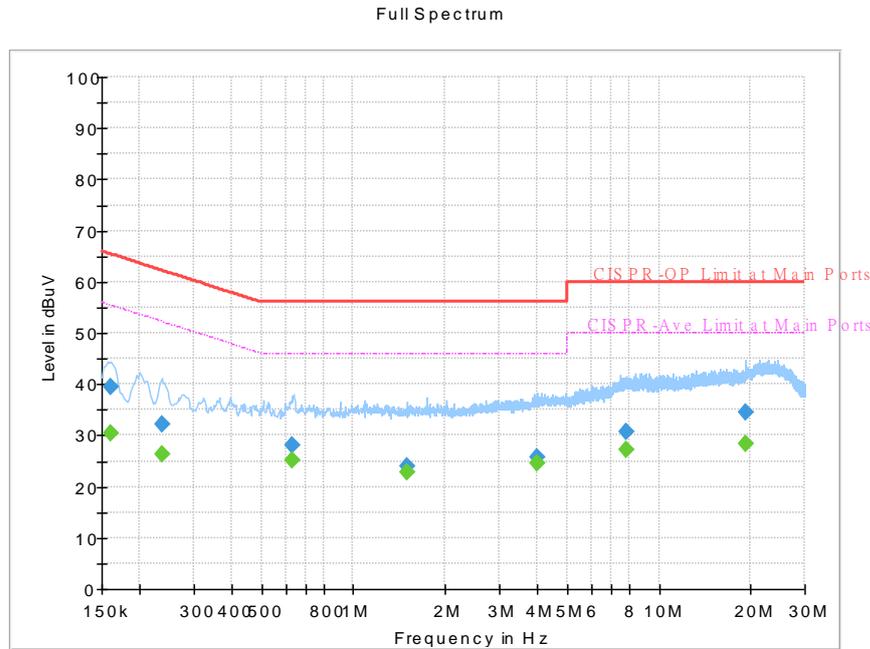


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	29.93	55.52	25.59	N	OFF	19.5
0.159000	40.22	---	65.52	25.30	N	OFF	19.5
0.629250	---	26.62	46.00	19.38	N	OFF	19.6
0.629250	29.49	---	56.00	26.51	N	OFF	19.6
1.702500	---	23.22	46.00	22.78	N	OFF	19.6
1.702500	24.49	---	56.00	31.51	N	OFF	19.6
4.413750	---	24.86	46.00	21.14	N	OFF	19.7
4.413750	26.04	---	56.00	29.96	N	OFF	19.7
7.788750	---	26.55	50.00	23.45	N	OFF	19.8
7.788750	29.10	---	60.00	30.90	N	OFF	19.8
12.750000	---	25.89	50.00	24.11	N	OFF	20.0
12.750000	28.15	---	60.00	31.85	N	OFF	20.0



Test Mode :	Mode 2	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	51~54%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

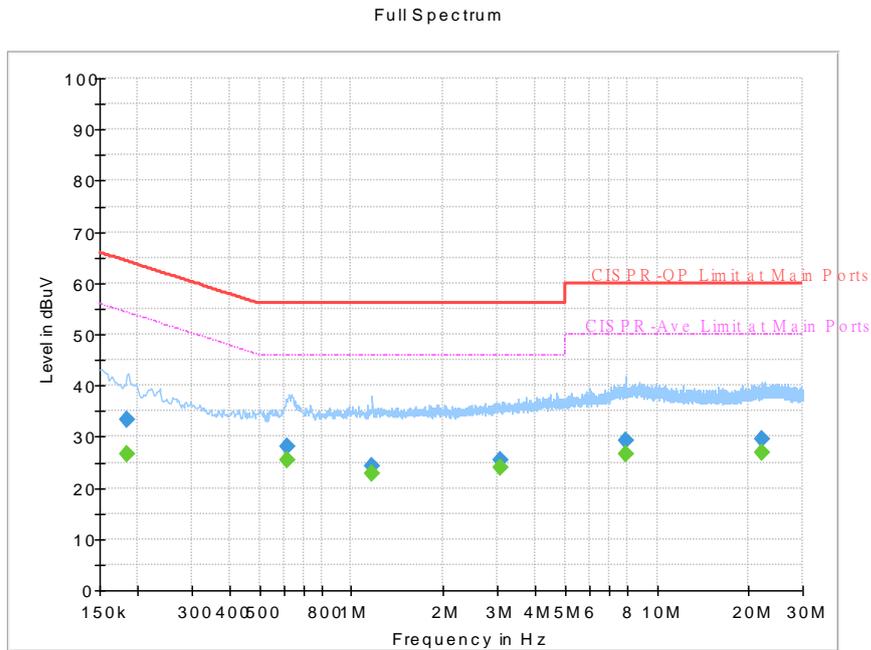


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	30.28	55.40	25.12	L1	OFF	19.5
0.161250	39.51	---	65.40	25.89	L1	OFF	19.5
0.235500	---	26.24	52.25	26.01	L1	OFF	19.5
0.235500	32.08	---	62.25	30.17	L1	OFF	19.5
0.631500	---	25.27	46.00	20.73	L1	OFF	19.6
0.631500	28.14	---	56.00	27.86	L1	OFF	19.6
1.500000	---	22.94	46.00	23.06	L1	OFF	19.6
1.500000	24.04	---	56.00	31.96	L1	OFF	19.6
4.008750	---	24.53	46.00	21.47	L1	OFF	19.7
4.008750	25.74	---	56.00	30.26	L1	OFF	19.7
7.788750	---	27.18	50.00	22.82	L1	OFF	19.8
7.788750	30.65	---	60.00	29.35	L1	OFF	19.8
19.304250	---	28.32	50.00	21.68	L1	OFF	20.2
19.304250	34.50	---	60.00	25.50	L1	OFF	20.2



Test Mode :	Mode 2	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	51~54%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

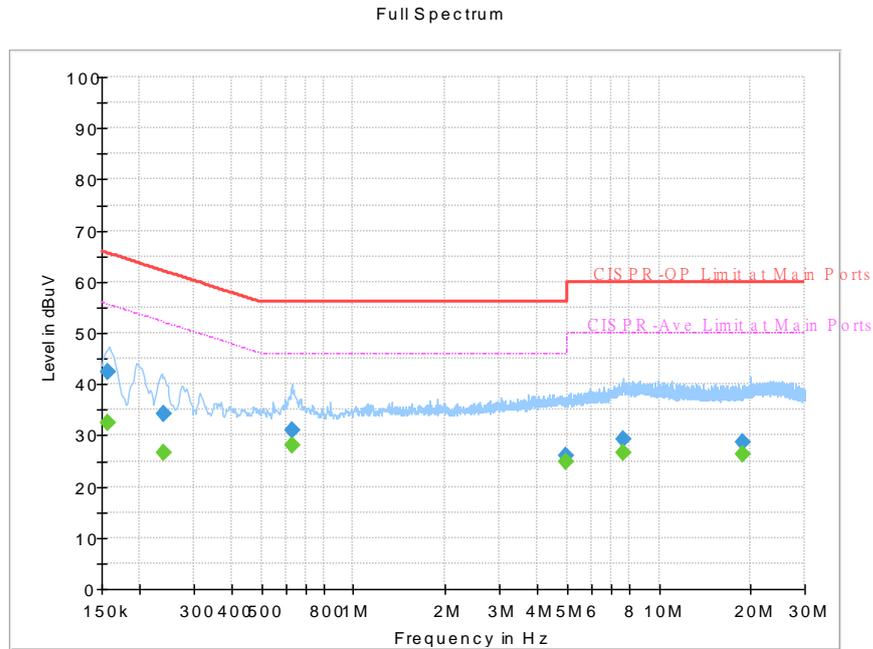


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.183750	---	26.53	54.31	27.78	N	OFF	19.5
0.183750	33.38	---	64.31	30.93	N	OFF	19.5
0.618000	---	25.39	46.00	20.61	N	OFF	19.6
0.618000	28.06	---	56.00	27.94	N	OFF	19.6
1.171500	---	22.95	46.00	23.05	N	OFF	19.6
1.171500	24.41	---	56.00	31.59	N	OFF	19.6
3.068250	---	24.05	46.00	21.95	N	OFF	19.6
3.068250	25.31	---	56.00	30.69	N	OFF	19.6
7.881000	---	26.60	50.00	23.40	N	OFF	19.8
7.881000	29.32	---	60.00	30.68	N	OFF	19.8
22.155000	---	27.01	50.00	22.99	N	OFF	20.4
22.155000	29.42	---	60.00	30.58	N	OFF	20.4



Test Mode :	Mode 3	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	51~54%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

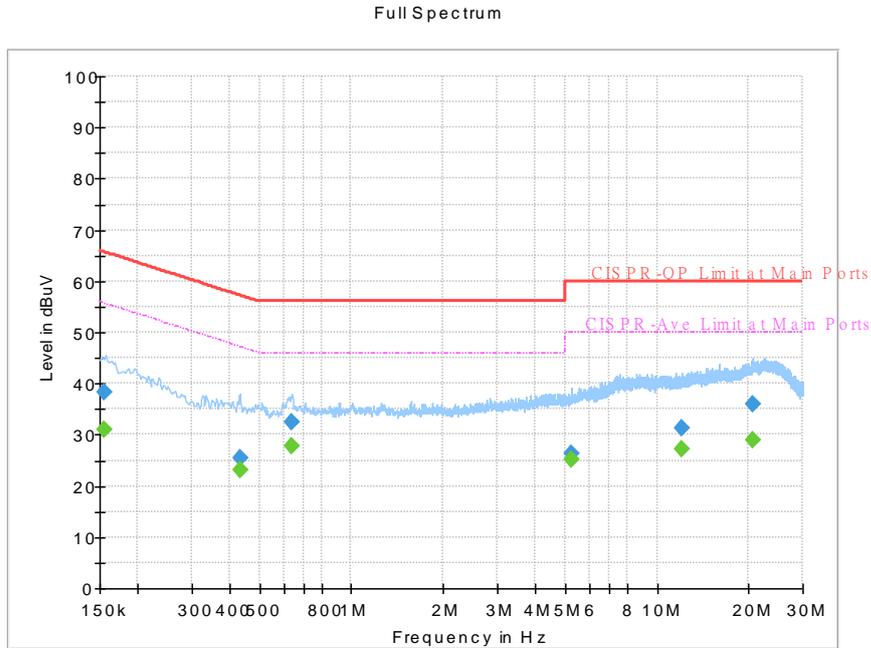


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	32.47	55.63	23.16	L1	OFF	19.5
0.156750	42.31	---	65.63	23.32	L1	OFF	19.5
0.240000	---	26.49	52.10	25.61	L1	OFF	19.5
0.240000	34.22	---	62.10	27.88	L1	OFF	19.5
0.629250	---	27.95	46.00	18.05	L1	OFF	19.6
0.629250	31.04	---	56.00	24.96	L1	OFF	19.6
4.949250	---	24.97	46.00	21.03	L1	OFF	19.7
4.949250	26.14	---	56.00	29.86	L1	OFF	19.7
7.640250	---	26.66	50.00	23.34	L1	OFF	19.8
7.640250	29.25	---	60.00	30.75	L1	OFF	19.8
18.897000	---	26.27	50.00	23.73	L1	OFF	20.2
18.897000	28.77	---	60.00	31.23	L1	OFF	20.2



Test Mode :	Mode 3	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	51~54%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

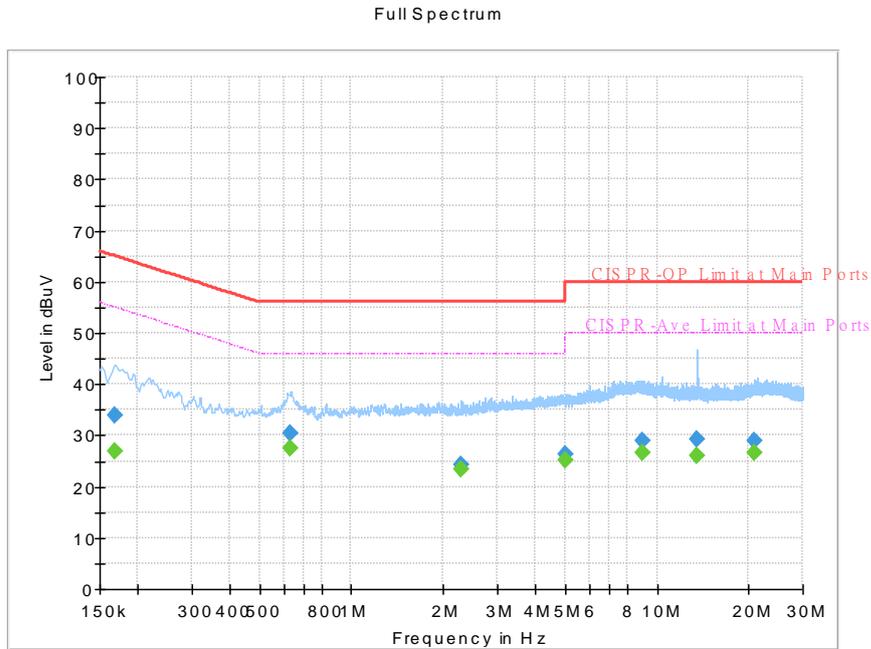


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154500	---	31.02	55.75	24.73	N	OFF	19.5
0.154500	38.26	---	65.75	27.49	N	OFF	19.5
0.431250	---	23.13	47.23	24.10	N	OFF	19.5
0.431250	25.43	---	57.23	31.80	N	OFF	19.5
0.640500	---	27.73	46.00	18.27	N	OFF	19.6
0.640500	32.43	---	56.00	23.57	N	OFF	19.6
5.273250	---	25.09	50.00	24.91	N	OFF	19.7
5.273250	26.36	---	60.00	33.64	N	OFF	19.7
12.088500	---	27.09	50.00	22.91	N	OFF	20.0
12.088500	31.19	---	60.00	28.81	N	OFF	20.0
20.573250	---	29.09	50.00	20.91	N	OFF	20.3
20.573250	36.06	---	60.00	23.94	N	OFF	20.3



Test Mode :	Mode 4	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	51~54%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

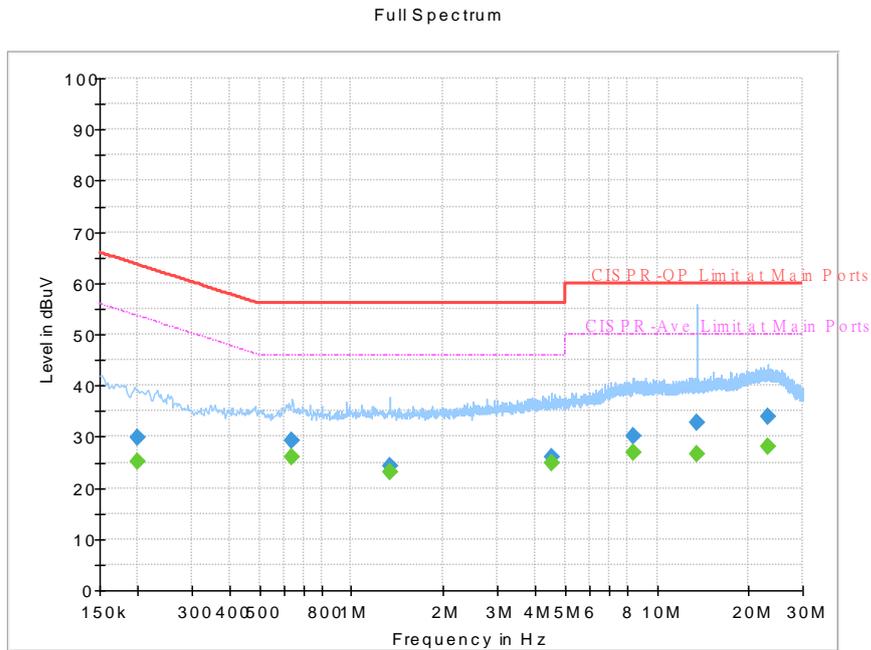


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.168000	---	26.82	55.06	28.24	L1	OFF	19.5
0.168000	33.89	---	65.06	31.17	L1	OFF	19.5
0.629250	---	27.40	46.00	18.60	L1	OFF	19.6
0.629250	30.39	---	56.00	25.61	L1	OFF	19.6
2.278500	---	23.29	46.00	22.71	L1	OFF	19.5
2.278500	24.36	---	56.00	31.64	L1	OFF	19.5
5.039250	---	25.04	50.00	24.96	L1	OFF	19.7
5.039250	26.17	---	60.00	33.83	L1	OFF	19.7
8.981250	---	26.49	50.00	23.51	L1	OFF	19.9
8.981250	29.08	---	60.00	30.92	L1	OFF	19.9
13.560000	---	25.92	50.00	24.08	L1	OFF	20.0
13.560000	29.30	---	60.00	30.70	L1	OFF	20.0
20.926500	---	26.72	50.00	23.28	L1	OFF	20.3
20.926500	29.07	---	60.00	30.93	L1	OFF	20.3



Test Mode :	Mode 4	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	51~54%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

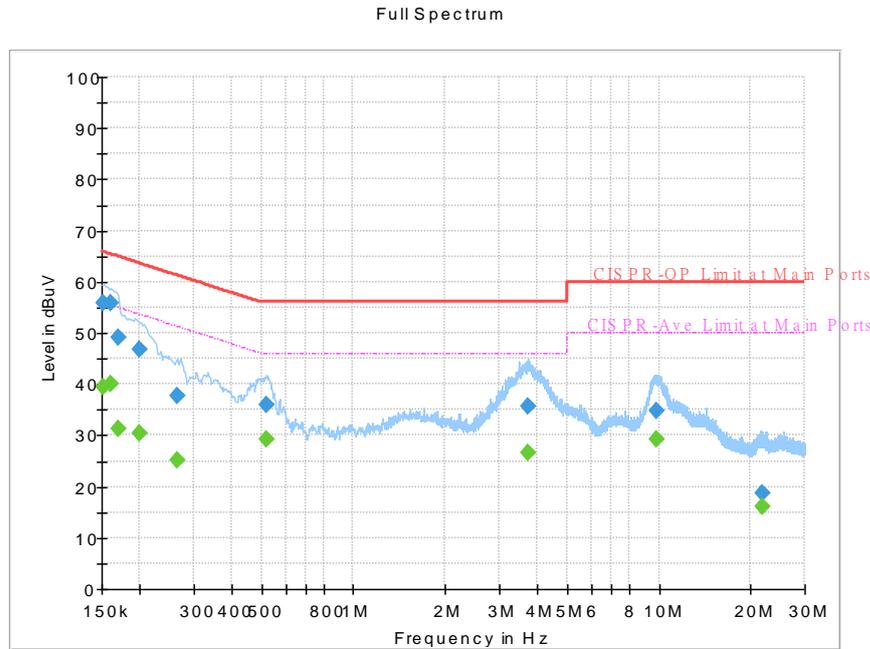


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.199500	---	25.04	53.63	28.59	N	OFF	19.5
0.199500	29.83	---	63.63	33.80	N	OFF	19.5
0.640500	---	26.07	46.00	19.93	N	OFF	19.6
0.640500	29.19	---	56.00	26.81	N	OFF	19.6
1.335750	---	22.98	46.00	23.02	N	OFF	19.6
1.335750	24.28	---	56.00	31.72	N	OFF	19.6
4.546500	---	24.81	46.00	21.19	N	OFF	19.7
4.546500	26.08	---	56.00	29.92	N	OFF	19.7
8.340000	---	26.87	50.00	23.13	N	OFF	19.9
8.340000	30.01	---	60.00	29.99	N	OFF	19.9
13.560000	---	26.57	50.00	23.43	N	OFF	20.1
13.560000	32.63	---	60.00	27.37	N	OFF	20.1
23.037000	---	28.14	50.00	21.86	N	OFF	20.4
23.037000	34.06	---	60.00	25.94	N	OFF	20.4



Test Mode :	Mode 5	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	51~54%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

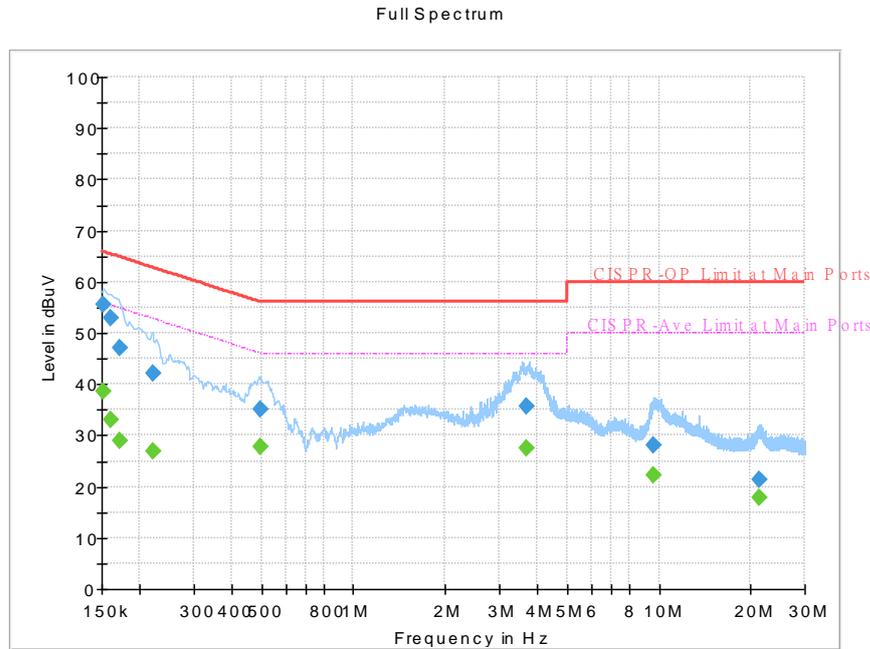


**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	39.36	55.88	16.52	L1	OFF	19.5
0.152250	55.94	---	65.88	9.94	L1	OFF	19.5
0.161250	---	40.04	55.40	15.36	L1	OFF	19.5
0.161250	55.90	---	65.40	9.50	L1	OFF	19.5
0.170250	---	31.16	54.95	23.79	L1	OFF	19.5
0.170250	49.17	---	64.95	15.78	L1	OFF	19.5
0.199500	---	30.54	53.63	23.09	L1	OFF	19.5
0.199500	46.69	---	63.63	16.94	L1	OFF	19.5
0.264750	---	25.16	51.28	26.12	L1	OFF	19.5
0.264750	37.70	---	61.28	23.58	L1	OFF	19.5
0.519000	---	29.34	46.00	16.66	L1	OFF	19.5
0.519000	36.02	---	56.00	19.98	L1	OFF	19.5
3.709500	---	26.48	46.00	19.52	L1	OFF	19.6
3.709500	35.81	---	56.00	20.19	L1	OFF	19.6
9.773250	---	29.18	50.00	20.82	L1	OFF	19.7
9.773250	34.82	---	60.00	25.18	L1	OFF	19.7
21.858000	---	16.22	50.00	33.78	L1	OFF	19.8
21.858000	18.84	---	60.00	41.16	L1	OFF	19.8



Test Mode :	Mode 5	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	51~54%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



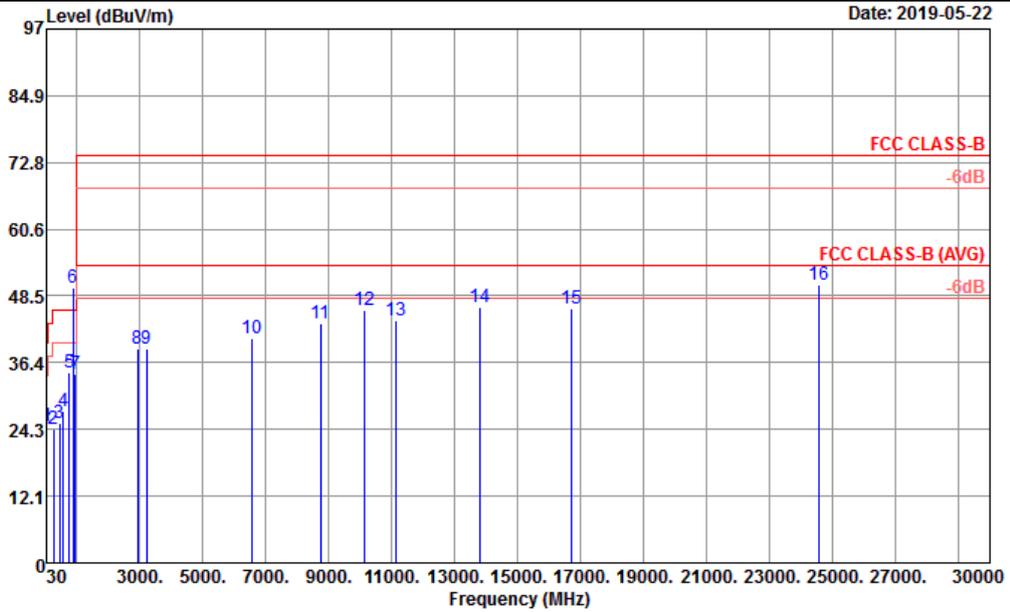
**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	38.61	55.88	17.27	N	OFF	19.5
0.152250	55.45	---	65.88	10.43	N	OFF	19.5
0.161250	---	33.16	55.40	22.24	N	OFF	19.5
0.161250	52.91	---	65.40	12.49	N	OFF	19.5
0.172500	---	29.01	54.84	25.83	N	OFF	19.5
0.172500	47.09	---	64.84	17.75	N	OFF	19.5
0.219750	---	26.83	52.83	26.00	N	OFF	19.5
0.219750	42.10	---	62.83	20.73	N	OFF	19.5
0.498750	---	27.87	46.02	18.15	N	OFF	19.5
0.498750	35.07	---	56.02	20.95	N	OFF	19.5
3.707250	---	27.43	46.00	18.57	N	OFF	19.6
3.707250	35.62	---	56.00	20.38	N	OFF	19.6
9.588750	---	22.34	50.00	27.66	N	OFF	19.7
9.588750	28.17	---	60.00	31.83	N	OFF	19.7
21.387750	---	17.82	50.00	32.18	N	OFF	19.9
21.387750	21.38	---	60.00	38.62	N	OFF	19.9



## Appendix B. Radiated Emission Test Result

Mode :	Mode 1	Temperature :	21~23°C
Test Engineer :	Yu Wang	Relative Humidity :	54~59%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		

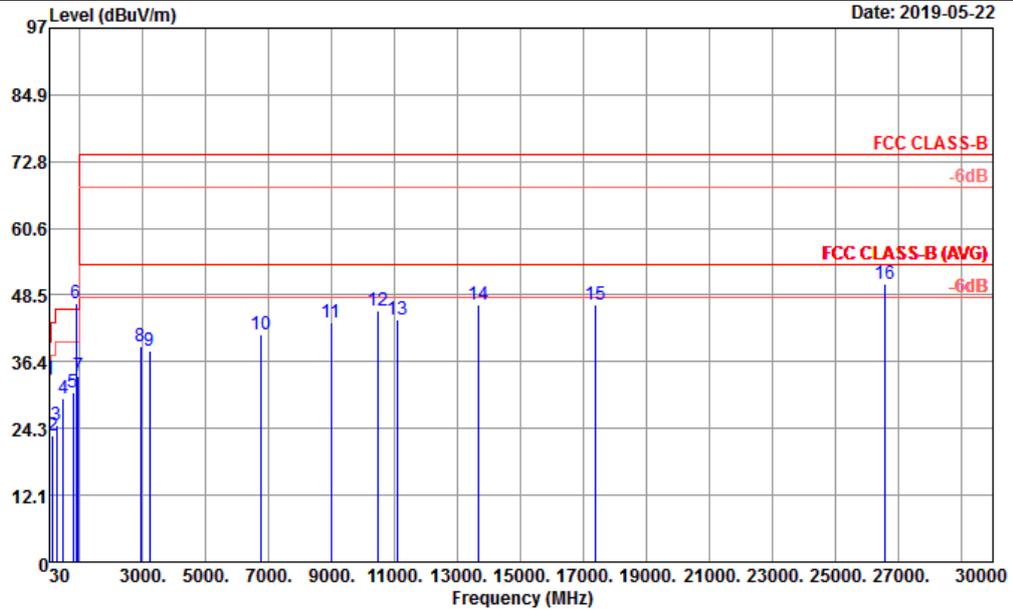


Site : 03CH10-HY  
 Condition : FCC CLASS-B 3m HORN\_9170\_40G\_0584 HORIZONTAL

	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	30.00	24.76	-15.24	40.00	31.79	25.30	0.45	32.78	---	Peak
2	259.89	24.39	-21.61	46.00	35.21	19.98	1.80	32.60	---	Peak
3	458.74	25.50	-20.50	46.00	32.53	23.17	2.43	32.63	---	Peak
4	569.32	27.61	-18.39	46.00	31.48	26.13	2.70	32.70	---	Peak
5	746.83	34.49	-11.51	46.00	35.57	28.24	3.16	32.48	100	0 Peak
6 *	881.66	50.06			49.50	29.07	3.41	31.92	---	Peak
7	943.74	34.29	-11.71	46.00	31.66	30.52	3.50	31.39	---	Peak
8	2920.00	38.95	-35.05	74.00	65.00	28.24	7.59	61.88	---	Peak
9	3216.00	38.90	-35.10	74.00	64.46	28.54	7.93	62.03	---	Peak
10	6564.00	40.78	-33.22	74.00	59.33	34.33	10.20	63.08	---	Peak
11	8744.00	43.50	-30.50	74.00	58.62	37.58	11.69	64.39	---	Peak
12	10116.00	45.84	-28.16	74.00	59.35	38.65	12.55	64.71	---	Peak
13	11150.00	43.99	-30.01	74.00	54.98	39.50	13.34	63.83	---	Peak
14	13794.00	46.58	-27.42	74.00	54.76	40.50	14.60	63.28	100	0 Peak
15	16728.00	46.27	-27.73	74.00	53.91	39.42	16.37	63.43	---	Peak
16	24564.00	50.61	-23.39	74.00	42.43	40.39	21.19	53.40	---	Peak



Mode :	Mode 1	Temperature :	21~23°C
Test Engineer :	Yu Wang	Relative Humidity :	54~59%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		

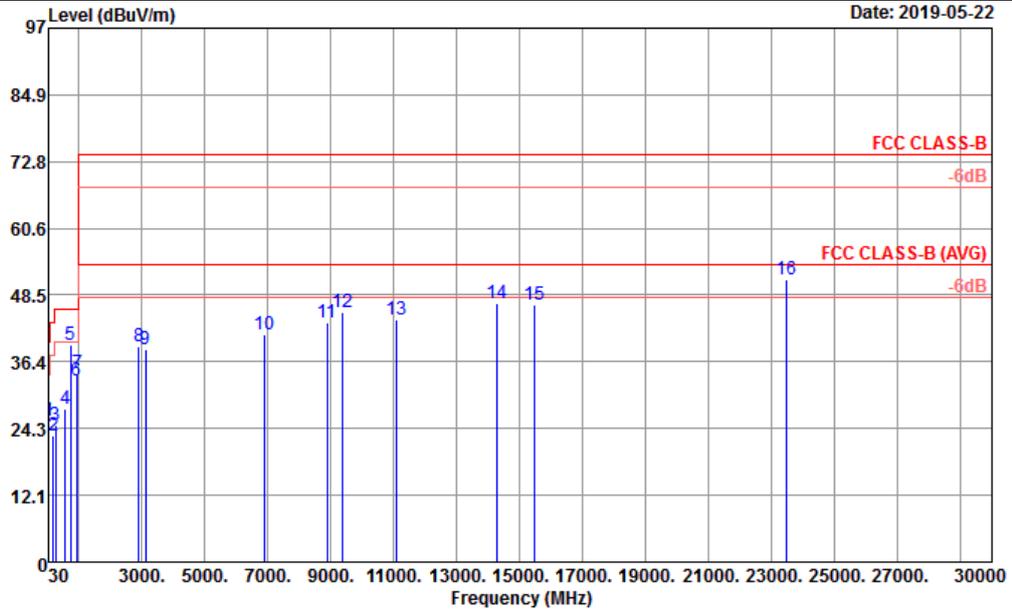


Site : 03CH10-HY  
 Condition : FCC CLASS-B 3m HORN\_9170\_40G\_0584 VERTICAL

	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	33.22	-6.78	40.00	40.25	25.30	0.45	32.78	100	0 Peak	
2	130.88	22.93	-20.57	43.50	36.83	17.51	1.24	32.65	---	---	Peak
3	262.80	24.90	-21.10	46.00	35.80	19.89	1.81	32.60	---	---	Peak
4	461.65	29.78	-16.22	46.00	36.74	23.23	2.44	32.63	---	---	Peak
5	783.69	30.87	-15.13	46.00	31.72	28.33	3.22	32.40	---	---	Peak
6 *	881.66	47.15			46.59	29.07	3.41	31.92	---	---	Peak
7	949.56	33.90	-12.10	46.00	30.76	30.96	3.51	31.33	---	---	Peak
8	2922.00	39.30	-34.70	74.00	65.35	28.24	7.59	61.88	---	---	Peak
9	3202.00	38.45	-35.55	74.00	63.97	28.59	7.91	62.02	---	---	Peak
10	6772.00	41.29	-32.71	74.00	59.67	34.49	10.46	63.33	---	---	Peak
11	8986.00	43.62	-30.38	74.00	59.08	37.37	11.85	64.68	---	---	Peak
12	10448.00	45.63	-28.37	74.00	57.72	39.55	12.80	64.44	---	---	Peak
13	11102.00	43.99	-30.01	74.00	54.91	39.60	13.30	63.82	---	---	Peak
14	13680.00	46.63	-27.37	74.00	55.00	40.46	14.50	63.33	---	---	Peak
15	17370.00	46.68	-27.32	74.00	51.81	40.66	16.87	62.66	100	0 Peak	
16	26592.00	50.43	-23.57	74.00	41.72	39.62	22.11	53.02	---	---	Peak



Mode :	Mode 2	Temperature :	21~23°C
Test Engineer :	Yu Wang	Relative Humidity :	54~59%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#5 is system simulator signal which can be ignored.		

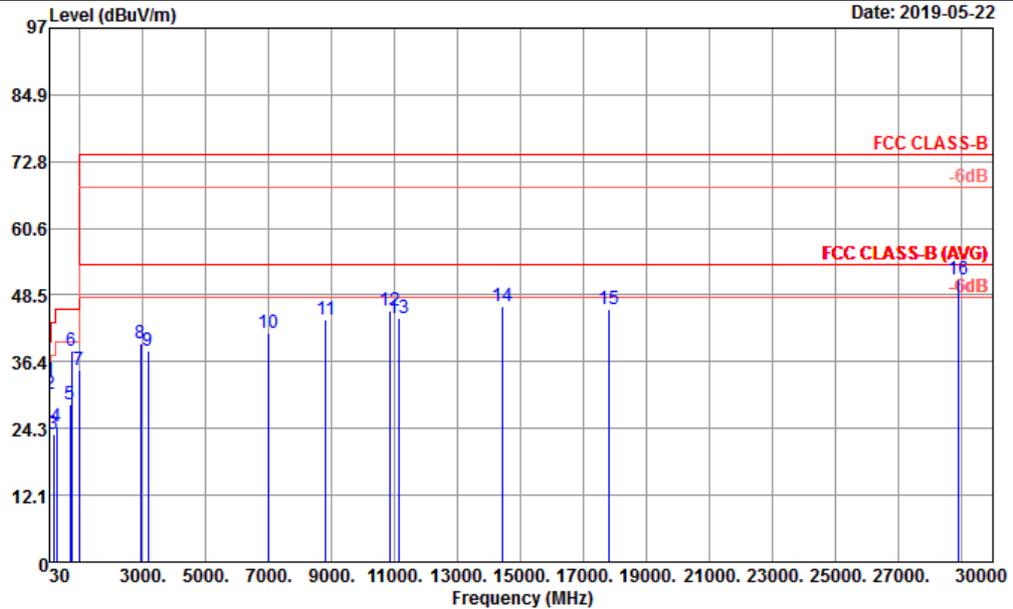


Site : 03CH10-HY  
 Condition : FCC CLASS-B 3m HORN\_9170\_40G\_0584 HORIZONTAL

	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	30.00	25.56	-14.44	40.00	32.59	25.30	0.45	32.78	---	Peak
2	185.20	22.91	-20.59	43.50	39.24	14.80	1.47	32.60	---	Peak
3	259.89	24.76	-21.24	46.00	35.58	19.98	1.80	32.60	---	Peak
4	566.41	27.74	-18.26	46.00	31.50	26.24	2.69	32.69	---	Peak
5	739.07	39.57			40.86	28.06	3.14	32.49	---	Peak
6	911.73	33.03	-12.97	46.00	32.16	29.13	3.45	31.71	---	Peak
7	952.47	34.38	-11.62	46.00	31.07	31.10	3.52	31.31	100	0 Peak
8	2910.00	39.27	-34.73	74.00	65.36	28.22	7.57	61.88	---	Peak
9	3104.00	38.60	-35.40	74.00	64.02	28.70	7.84	61.96	---	Peak
10	6900.00	41.30	-32.70	74.00	59.35	35.00	10.43	63.48	---	Peak
11	8874.00	43.50	-30.50	74.00	58.64	37.60	11.81	64.55	---	Peak
12	9392.00	45.43	-28.57	74.00	59.35	38.58	12.20	64.70	---	Peak
13	11062.00	44.04	-29.96	74.00	54.79	39.79	13.27	63.81	---	Peak
14	14286.00	47.11	-26.89	74.00	54.27	41.19	14.91	63.26	100	0 Peak
15	15462.00	46.65	-27.35	74.00	55.58	38.55	15.53	63.01	---	Peak
16	23472.00	51.34	-22.66	74.00	44.23	39.20	21.12	53.21	---	Peak



Mode :	Mode 2	Temperature :	21~23°C
Test Engineer :	Yu Wang	Relative Humidity :	54~59%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		

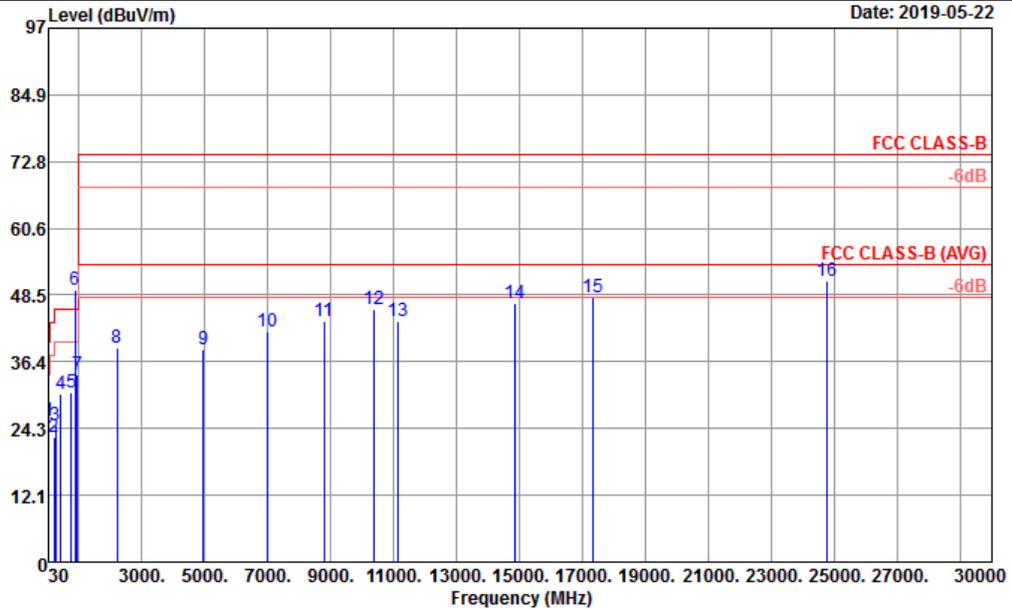


Site : 03CH10-HY  
 Condition : FCC CLASS-B 3m HORN\_9170\_40G\_0584 VERTICAL

	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	32.91	-7.09	40.00	39.94	25.30	0.45	32.78	100	0 Peak	
2	39.70	30.51	-9.49	40.00	42.92	19.81	0.55	32.77	---	---	Peak
3	166.77	23.32	-20.18	43.50	38.64	15.92	1.38	32.62	---	---	Peak
4	260.86	24.71	-21.29	46.00	35.54	19.97	1.80	32.60	---	---	Peak
5	678.93	28.57	-17.43	46.00	31.68	26.48	3.01	32.60	---	---	Peak
6	739.07	38.48			39.77	28.06	3.14	32.49	---	---	Peak
7	959.26	34.84	-11.16	46.00	31.26	31.29	3.53	31.24	---	---	Peak
8	2936.00	39.60	-34.40	74.00	65.60	28.27	7.62	61.89	---	---	Peak
9	3164.00	38.24	-35.76	74.00	63.69	28.67	7.88	62.00	---	---	Peak
10	6992.00	41.70	-32.30	74.00	59.54	35.37	10.38	63.59	---	---	Peak
11	8798.00	44.00	-30.00	74.00	58.97	37.70	11.79	64.46	---	---	Peak
12	10844.00	45.53	-28.47	74.00	56.48	39.94	13.10	63.99	---	---	Peak
13	11138.00	44.24	-29.76	74.00	55.22	39.52	13.33	63.83	---	---	Peak
14	14436.00	46.43	-27.57	74.00	53.49	41.24	14.99	63.29	100	0 Peak	
15	17814.00	46.02	-27.98	74.00	47.42	43.75	17.22	62.37	---	---	Peak
16	28908.00	51.37	-22.63	74.00	41.72	40.18	24.18	54.71	---	---	Peak



Mode :	Mode 3	Temperature :	21~23°C
Test Engineer :	Yu Wang	Relative Humidity :	54~59%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		

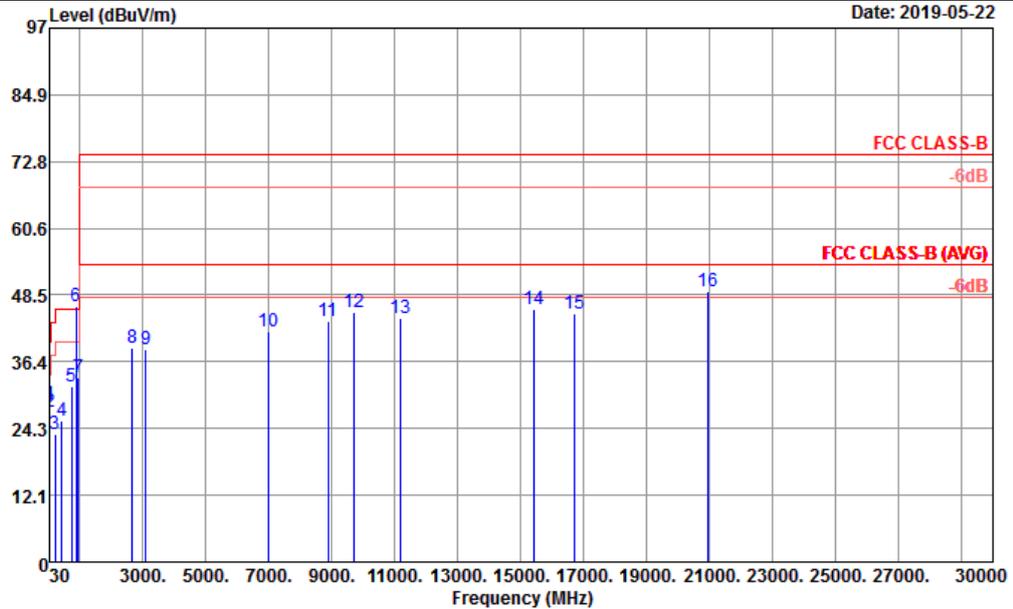


Site : 03CH10-HY  
 Condition : FCC CLASS-B 3m HORN\_9170\_40G\_0584 HORIZONTAL

	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	30.00	25.73	-14.27	40.00	32.76	25.30	0.45	32.78	---	Peak
2	200.72	22.60	-20.90	43.50	38.68	15.03	1.48	32.59	---	Peak
3	257.95	24.83	-21.17	46.00	35.97	19.67	1.79	32.60	---	Peak
4	413.15	30.61	-15.39	46.00	38.59	22.33	2.31	32.62	---	Peak
5	761.38	30.88	-15.12	46.00	31.84	28.30	3.19	32.45	---	Peak
6 *	869.05	49.56			48.96	29.20	3.39	31.99	---	Peak
7	957.32	34.02	-11.98	46.00	30.50	31.25	3.53	31.26	100	0 Peak
8	2220.00	39.03	-34.97	74.00	66.39	27.86	6.52	61.74	---	Peak
9	4960.00	38.67	-35.33	74.00	60.88	31.14	8.95	62.30	---	Peak
10	6986.00	41.80	-32.20	74.00	59.65	35.34	10.39	63.58	---	Peak
11	8786.00	43.65	-30.35	74.00	58.65	37.67	11.77	64.44	---	Peak
12	10348.00	46.01	-27.99	74.00	58.42	39.39	12.72	64.52	---	Peak
13	11148.00	43.84	-30.16	74.00	54.84	39.50	13.33	63.83	---	Peak
14	14844.00	46.94	-27.06	74.00	53.93	40.97	15.20	63.16	---	Peak
15	17322.00	48.23	-25.77	74.00	53.83	40.28	16.83	62.71	100	0 Peak
16	24756.00	51.04	-22.96	74.00	42.87	40.35	21.22	53.40	---	Peak



Mode :	Mode 3	Temperature :	21~23°C
Test Engineer :	Yu Wang	Relative Humidity :	54~59%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		

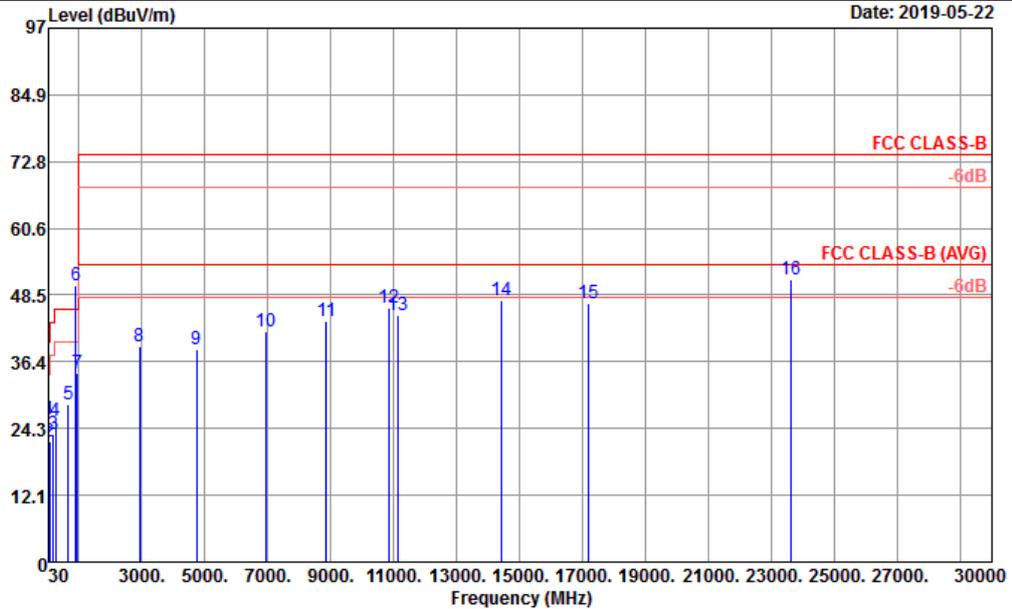


Site : 03CH10-HY  
 Condition : FCC CLASS-B 3m HORN\_9170\_40G\_0584 VERTICAL

	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	31.94	28.54	-11.46	40.00	36.74	24.14	0.44	32.78	100	0 Peak	
2	46.49	27.37	-12.63	40.00	43.35	16.11	0.67	32.76	---	---	Peak
3	199.75	23.14	-20.36	43.50	39.27	14.98	1.48	32.59	---	---	Peak
4	413.15	25.68	-20.32	46.00	33.66	22.33	2.31	32.62	---	---	Peak
5	721.61	31.76	-14.24	46.00	34.00	27.20	3.09	32.53	---	---	Peak
6 *	869.05	46.60			46.00	29.20	3.39	31.99	---	---	Peak
7	949.56	33.49	-12.51	46.00	30.35	30.96	3.51	31.33	---	---	Peak
8	2672.00	38.90	-35.10	74.00	65.96	27.54	7.23	61.83	---	---	Peak
9	3088.00	38.72	-35.28	74.00	64.19	28.65	7.83	61.95	---	---	Peak
10	6968.00	41.76	-32.24	74.00	59.65	35.27	10.40	63.56	---	---	Peak
11	8874.00	43.83	-30.17	74.00	58.97	37.60	11.81	64.55	---	---	Peak
12	9702.00	45.28	-28.72	74.00	59.27	38.61	12.14	64.74	---	---	Peak
13	11168.00	44.42	-29.58	74.00	55.44	39.46	13.35	63.83	---	---	Peak
14	15402.00	46.06	-27.94	74.00	54.79	38.79	15.50	63.02	100	0 Peak	
15	16704.00	45.07	-28.93	74.00	52.94	39.23	16.36	63.46	---	---	Peak
16	20940.00	49.06	-24.94	74.00	44.11	37.89	20.08	53.02	---	---	Peak



Mode :	Mode 4	Temperature :	21~23°C
Test Engineer :	Yu Wang	Relative Humidity :	54~59%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		

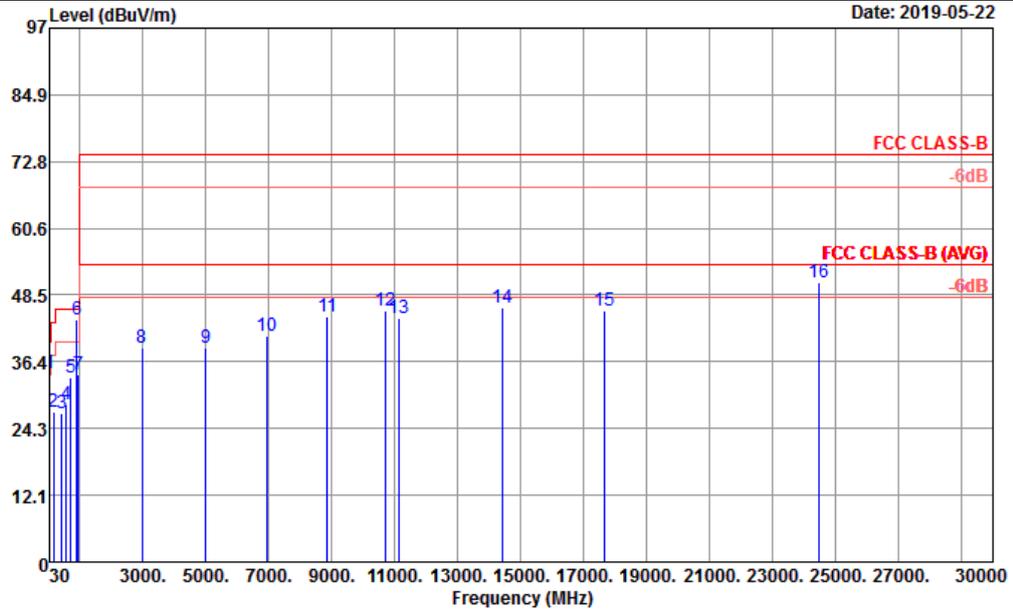


Site : 03CH10-HY  
 Condition : FCC CLASS-B 3m HORN\_9170\_40G\_0584 HORIZONTAL

	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	30.00	25.86	-14.14	40.00	32.89	25.30	0.45	32.78	---	Peak
2	75.59	22.00	-18.00	40.00	40.88	12.96	0.87	32.71	---	Peak
3	195.87	23.25	-20.25	43.50	39.47	14.89	1.48	32.59	---	Peak
4	265.71	25.69	-20.31	46.00	36.80	19.67	1.82	32.60	---	Peak
5	669.23	28.54	-17.46	46.00	31.66	26.50	3.00	32.62	---	Peak
6 *	893.30	50.21			49.75	28.90	3.42	31.86	---	Peak
7	954.41	34.40	-11.60	46.00	30.99	31.18	3.52	31.29	100	0 Peak
8	2922.00	39.08	-34.92	74.00	65.13	28.24	7.59	61.88	---	Peak
9	4734.00	38.56	-35.44	74.00	61.13	31.17	8.56	62.30	---	Peak
10	6962.00	41.88	-32.12	74.00	59.78	35.25	10.40	63.55	---	Peak
11	8852.00	43.85	-30.15	74.00	58.87	37.69	11.81	64.52	---	Peak
12	10830.00	46.16	-27.84	74.00	57.14	39.93	13.09	64.00	---	Peak
13	11146.00	44.79	-29.21	74.00	55.78	39.51	13.33	63.83	---	Peak
14	14412.00	47.43	-26.57	74.00	54.52	41.21	14.98	63.28	100	0 Peak
15	17160.00	47.13	-26.87	74.00	53.41	39.92	16.71	62.91	---	Peak
16	23628.00	51.41	-22.59	74.00	44.27	39.28	21.11	53.25	---	Peak



Mode :	Mode 4	Temperature :	21~23°C
Test Engineer :	Yu Wang	Relative Humidity :	54~59%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		

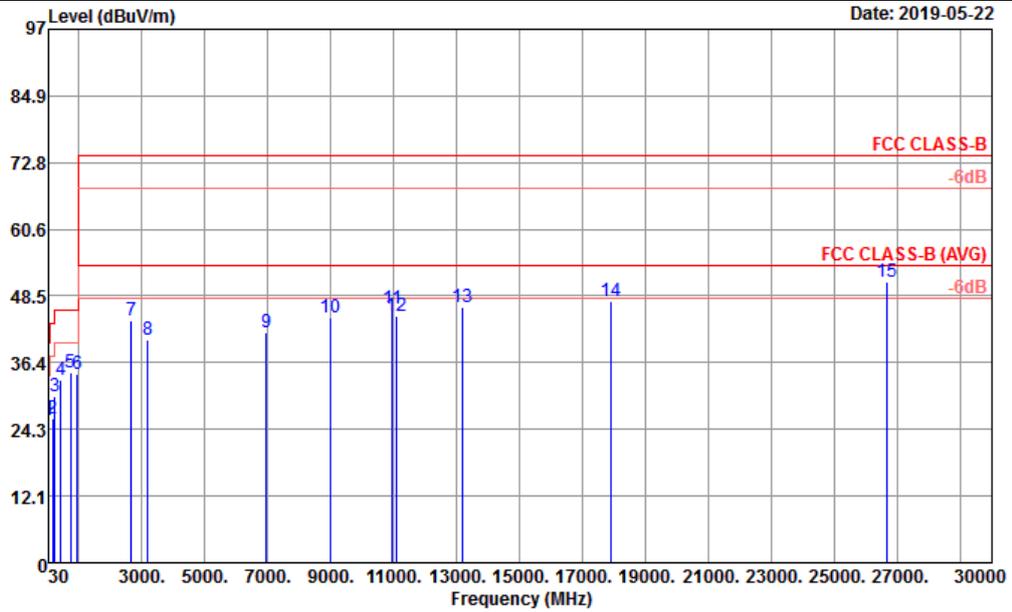


Site : 03CH10-HY  
 Condition : FCC CLASS-B 3m HORN\_9170\_40G\_0584 VERTICAL

	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	31.94	34.25	-5.75	40.00	42.45	24.14	0.44	32.78	100	0 Peak	
2	163.86	27.37	-16.13	43.50	42.52	16.11	1.36	32.62	---	---	Peak
3	416.06	27.04	-18.96	46.00	34.91	22.44	2.31	32.62	---	---	Peak
4	573.20	28.72	-17.28	46.00	32.67	26.04	2.71	32.70	---	---	Peak
5	717.73	33.47	-12.53	46.00	35.91	27.01	3.08	32.53	---	---	Peak
6	893.30	44.05			43.59	28.90	3.42	31.86	---	---	Peak
7	951.50	33.94	-12.06	46.00	30.69	31.06	3.51	31.32	---	---	Peak
8	2970.00	39.01	-34.99	74.00	64.86	28.34	7.70	61.89	---	---	Peak
9	4998.00	39.01	-34.99	74.00	60.97	31.29	9.05	62.30	---	---	Peak
10	6942.00	41.18	-32.82	74.00	59.13	35.17	10.41	63.53	---	---	Peak
11	8862.00	44.58	-29.42	74.00	59.65	37.65	11.81	64.53	---	---	Peak
12	10710.00	45.55	-28.45	74.00	57.16	39.54	13.00	64.15	---	---	Peak
13	11140.00	44.41	-29.59	74.00	55.39	39.52	13.33	63.83	---	---	Peak
14	14436.00	46.31	-27.69	74.00	53.37	41.24	14.99	63.29	100	0 Peak	
15	17676.00	45.80	-28.20	74.00	48.92	42.20	17.11	62.43	---	---	Peak
16	24480.00	50.86	-23.14	74.00	42.68	40.40	21.18	53.40	---	---	Peak



Mode :	Mode 5	Temperature :	21~23°C
Test Engineer :	Yu Wang	Relative Humidity :	54~59%
Test Distance :	3m	Polarization :	Horizontal



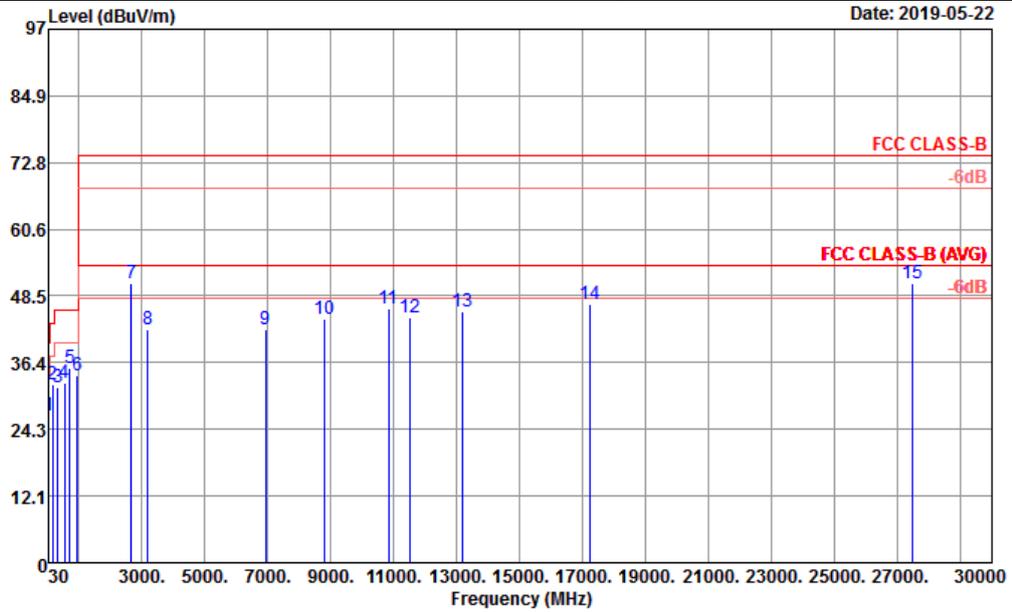
Site : 03CH10-HY  
 Condition : FCC CLASS-B 3m HORN\_9170\_406\_0584 HORIZONTAL

: NB to SD

	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	30.00	25.88	-14.12	40.00	32.91	25.30	0.45	32.78	---	Peak
2	161.92	26.25	-17.25	43.50	41.22	16.31	1.34	32.62	---	Peak
3	243.40	30.37	-15.63	46.00	43.54	17.71	1.72	32.60	---	Peak
4	425.76	33.15	-12.85	46.00	40.84	22.60	2.34	32.63	---	Peak
5	721.61	34.61	-11.39	46.00	36.85	27.20	3.09	32.53	---	Peak
6	951.50	34.28	-11.72	46.00	31.03	31.06	3.51	31.32	100	0 Peak
7	2664.00	44.14	-29.86	74.00	71.21	27.53	7.23	61.83	---	Peak
8	3196.00	40.49	-33.51	74.00	65.99	28.61	7.91	62.02	---	Peak
9	6954.00	41.99	-32.01	74.00	59.90	35.22	10.41	63.54	---	Peak
10	8992.00	44.48	-29.52	74.00	59.70	37.38	11.85	64.69	---	Peak
11	10952.00	46.19	-27.81	74.00	56.57	40.05	13.18	63.86	---	Peak
12	11080.00	44.80	-29.20	74.00	55.40	39.70	13.28	63.82	---	Peak
13	13176.00	46.38	-27.62	74.00	56.47	39.15	14.10	63.34	100	0 Peak
14	17886.00	47.54	-26.46	74.00	47.57	45.05	17.27	62.35	---	Peak
15	26664.00	50.98	-23.02	74.00	42.19	39.63	22.19	53.03	---	Peak



Mode :	Mode 5	Temperature :	21~23°C
Test Engineer :	Yu Wang	Relative Humidity :	54~59%
Test Distance :	3m	Polarization :	Vertical



Site : 03CH10-HY  
 Condition : FCC CLASS-B 3m HORN\_9170\_40G\_0584 VERTICAL

: NB to SD

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.00	26.65	-13.35	40.00	33.68	25.30	0.45	32.78	---	---	Peak
2	159.98	32.45	-11.05	43.50	47.34	16.40	1.33	32.62	---	---	Peak
3	331.67	31.91	-14.09	46.00	42.78	19.77	1.97	32.61	---	---	Peak
4	531.49	32.72	-13.28	46.00	38.78	24.00	2.61	32.67	---	---	Peak
5	713.85	35.29	-10.71	46.00	37.91	26.85	3.07	32.54	100	0	Peak
6	951.50	34.17	-11.83	46.00	30.92	31.06	3.51	31.32	---	---	Peak
7	2656.00	50.66	-23.34	74.00	77.76	27.51	7.22	61.83	100	0	Peak
8	3192.00	42.48	-31.52	74.00	67.98	28.62	7.90	62.02	---	---	Peak
9	6924.00	42.36	-31.64	74.00	60.35	35.10	10.42	63.51	---	---	Peak
10	8810.00	44.32	-29.68	74.00	59.30	37.70	11.79	64.47	---	---	Peak
11	10826.00	46.21	-27.79	74.00	57.20	39.93	13.09	64.01	---	---	Peak
12	11490.00	44.71	-29.29	74.00	55.51	39.50	13.60	63.90	---	---	Peak
13	13188.00	45.74	-28.26	74.00	55.79	39.18	14.11	63.34	---	---	Peak
14	17250.00	46.98	-27.02	74.00	52.95	40.05	16.78	62.80	---	---	Peak
15	27480.00	50.75	-23.25	74.00	41.59	39.51	23.13	53.48	---	---	Peak

————THE END————