

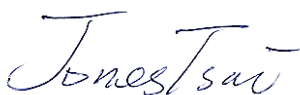
FCC EMI TEST REPORT

FCC ID : PY7-54264H
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 Nov. 01, 2018 and testing was started from Nov. 21, 2018 and completed on Dec. 18, 2018. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI C63.4-2014 and has been in compliance with the applicable technical standards.

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

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



Approved by: Jones Tsai

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issued Date
FC8O2416-02	01	Initial issue of report	Jan. 11, 2019
FC8O2416-02	02	Revising the test remark description.	Jan. 31, 2019



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 12.31 dB at 0.193 MHz
3.2	15.109	Radiated Emission	Pass	Under limit 4.72 dB at 32.700 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, NFC, and GNSS.

Product Specification subjective to this standard	
Antenna Type	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	0.160	BH9400S3E8	Conducted Emission
		BH9400S3E8	Radiated Emission

Accessory List	
AC Adapter	Model No. : UCH20
	S/N: 3515W45302494
Earphone	Model No.: STH40D
	S/N : N/A
USB Cable	Model No.: UCB20
	S/N : N/A
Car Charger	Model No.: AN430
	S/N: 1715A9160009C76

Note:

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

1.2. Modification of EUT

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

1.3. Test Location

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

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

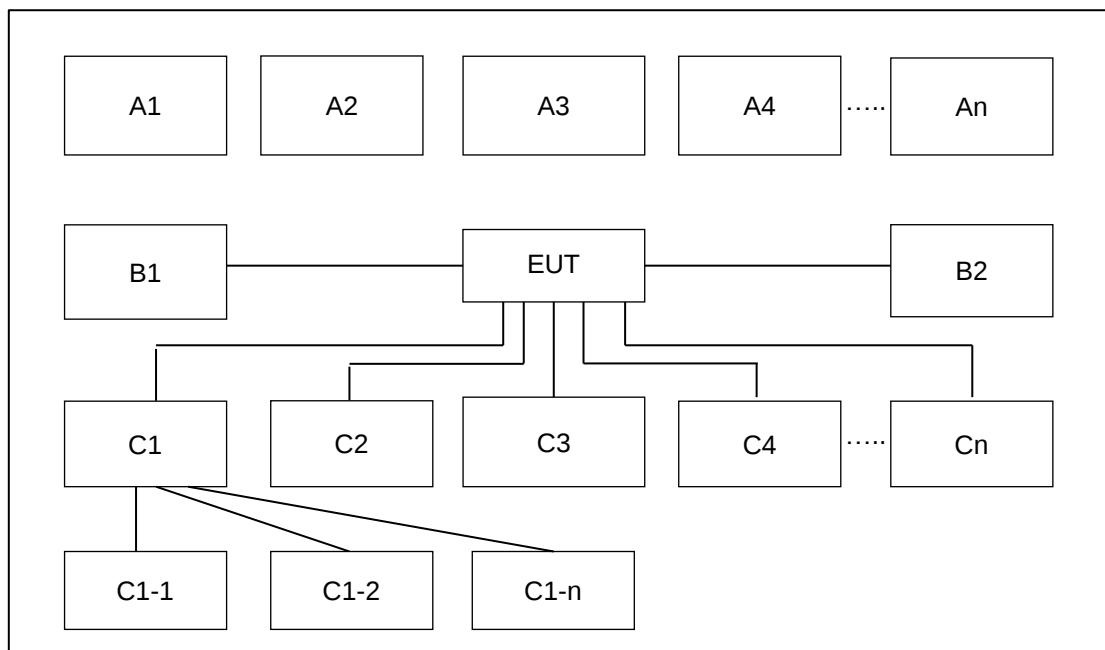
The EUT has been associated with peripherals pursuant to ANSI C63.4-2014 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

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
AC Conducted Emission	Mode 1: GSM850 (Low Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + MP3 + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 2: GSM850 (Middle Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + MP3 + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 3: GSM850 (High Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + MP3 + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 4: GSM850 (Middle Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + Camera (Rear) + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 5: Flight Mode + USB Cable (Data Link with Notebook) + Battery + Earphone
Radiated Emissions	Mode 1: GSM850 (Low Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + MP3 + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 2: GSM850 (Middle Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + MP3 + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 3: GSM850 (High Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + MP3 + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 4: GSM850 (Middle Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + Camera (Rear) + USB Cable (Charging from Car Charger (12Vdc)) + Battery + Earphone
	Mode 5: Flight Mode + USB Cable (Data Link with Notebook) + Battery + Earphone
Remark: 1. Data Linking with Notebook means data application transferred mode between EUT and Notebook. 2. After pre-scanned the cellular band between 30MHz ~ 960MHz (GSM850/WCDMA Band V/LTE Band 5/12/17), the worst case is GSM850; only the test data of this mode was reported.	

2.2. Connection Diagram of Test System



Conduction Test Setup									
No.	Wireless Station	Connection Type	Test Mode						
			1	2	3	4	5		
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	X				
B2	DC : 12V	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		

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	R&S	CMU 200	N/A	N/A	Unshielded,1.8m
2.	System simulator	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m
3.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
4.	Bluetooth Earphone	Sony	SBH-20	PY7-RD0010	N/A	N/A
5.	Music Player	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
6.	Notebook	DELL	Latitude E6320	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
7.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A
8.	Car Battery	GS	65B24LS	N/A	N/A	N/A



2.4. EUT Operation Test Setup

The EUT was in GSM 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.

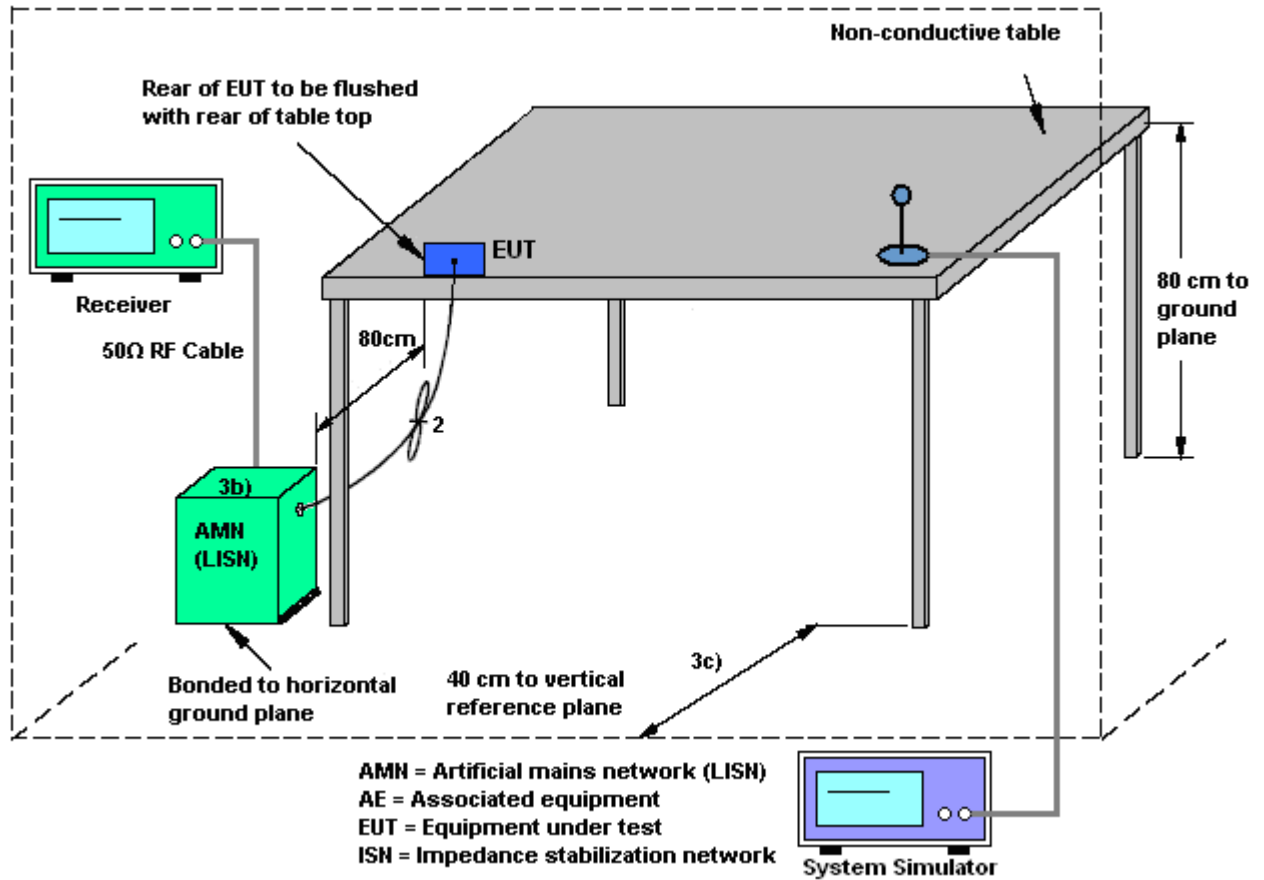
3.1.2 Measuring Instruments

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

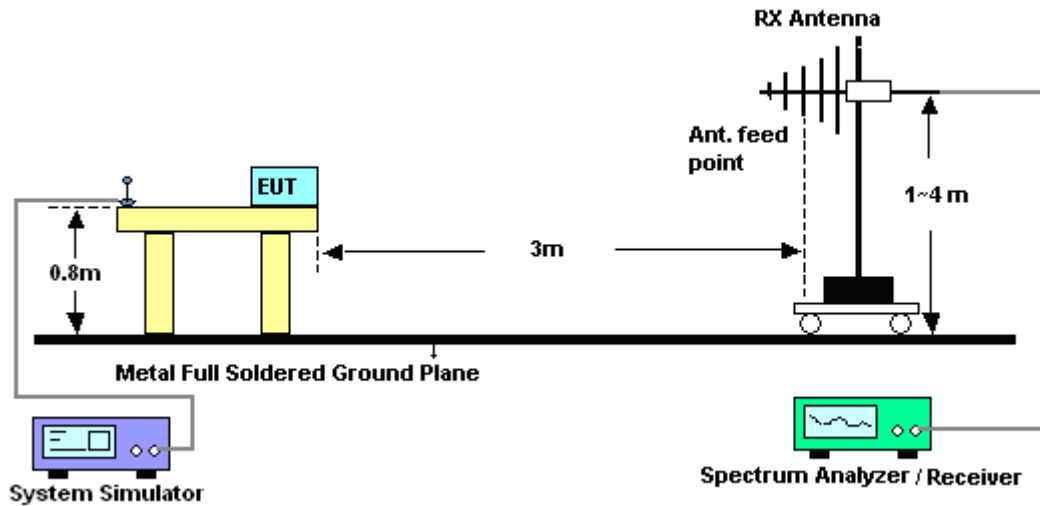
Refer a test equipment and calibration data table in this test report.

3.2.3. Test Procedures

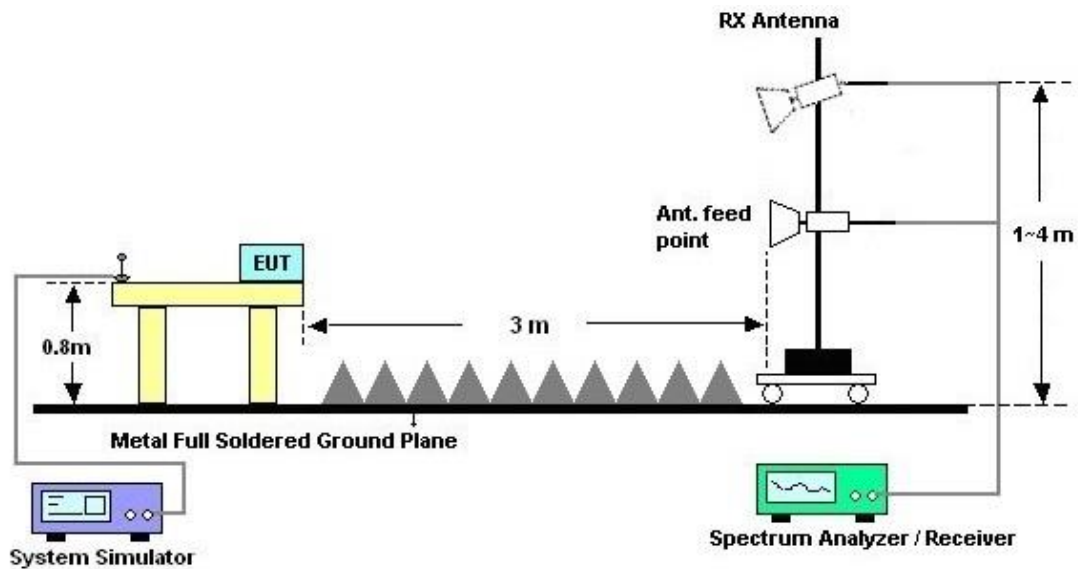
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna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

3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.2.5. Test Result of Radiated Emission

Please refer to Appendix B.

4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Nov. 21, 2018~ Dec. 13, 2018	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Nov. 12, 2018	Nov. 21, 2018~ Dec. 13, 2018	Nov. 11, 2019	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Mar. 06, 2018	Nov. 21, 2018~ Dec. 13, 2018	Mar. 05, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Nov. 21, 2018~ Dec. 13, 2018	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Nov. 21, 2018~ Dec. 13, 2018	Nov. 08, 2019	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 03, 2018	Nov. 21, 2018~ Dec. 13, 2018	Jan. 02, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Nov. 21, 2018~ Dec. 13, 2018	N/A	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 03, 2018	Nov. 21, 2018~ Dec. 13, 2018	Jan. 02, 2019	Conduction (CO05-HY)
Bilog Antenna	Schaffner	CBL6111C&N -6-06	2725&AT-N 0601	30MHz~1GHz	Oct. 13, 2018	Nov. 27, 2018~ Dec. 18, 2018	Oct. 12, 2019	Radiation (03CH06-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100472	20Hz~26.5GHz	Jan. 04, 2018	Nov. 27, 2018~ Dec. 18, 2018	Jan. 03, 2019	Radiation (03CH06-HY)
Spectrum Analyzer	Agilent	N9030A	MY523502 76	3Hz~44GHz	Mar. 27, 2018	Nov. 27, 2018~ Dec. 18, 2018	Mar. 26, 2019	Radiation (03CH06-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-115 6	1GHz~18GHz	Aug. 24, 2018	Nov. 27, 2018~ Dec. 18, 2018	Aug. 23, 2019	Radiation (03CH06-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170 251	18GHz- 40GHz	Nov. 20, 2018	Nov. 27, 2018~ Dec. 18, 2018	Nov. 19, 2019	Radiation (03CH06-HY)
Preamplifier	SONOMA	310N	186713	9kHz~1GHz	May 02, 2018	Nov. 27, 2018~ Dec. 18, 2018	May 01, 2019	Radiation (03CH06-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz ~ 18GHz	Apr. 25, 2018	Nov. 27, 2018~ Dec. 18, 2018	Apr. 24, 2019	Radiation (03CH06-HY)
Preamplifier	MITEQ	TTA1840-35- HG	1871923	18GHz~40GHz, VSWR : 2.5:1 max	Jul. 16, 2018	Nov. 27, 2018~ Dec. 18, 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/WOKEN/HARBOUR INDUSTRIES	SUCOFLEX 104 /STORM/LL1 42	MY24966/00100A1O2 A178T/CA3601-3601-1000	30MHz-26GHz	Nov. 22, 2018	Nov. 27, 2018~Dec. 18, 2018	Nov. 21, 2019	Radiation (03CH06-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2	1G~40GHz	Jan. 02, 2018	Nov. 27, 2018~Dec. 18, 2018	Jan. 01, 2019	Radiation (03CH06-HY)
Filter	Microwave	H1G013G1	SN477215	1.0G High Pass	Nov. 02, 2018	Nov. 27, 2018~Dec. 18, 2018	Nov. 01, 2019	Radiation (03CH06-HY)
Filter	Wainwright	WLKS1200-8 SS	SN3	1.2G Low Pass	Nov. 02, 2018	Nov. 27, 2018~Dec. 18, 2018	Nov. 01, 2019	Radiation (03CH06-HY)
Antenna Mast	MF	MF-7802	MF780208212	1m~4m	N/A	Nov. 27, 2018~Dec. 18, 2018	N/A	Radiation (03CH06-HY)
Turn Table	INN-CO	DS2000	420/650/00	0-360 degree	N/A	Nov. 27, 2018~Dec. 18, 2018	N/A	Radiation (03CH06-HY)
Controller	INN-CO	EM1000	060782	Control Turn table & Ant Mast	N/A	Nov. 27, 2018~Dec. 18, 2018	N/A	Radiation (03CH06-HY)
Test Software	AUDIX	e3	6.2009-8-24(k5)	N/A	N/A	Nov. 27, 2018~Dec. 18, 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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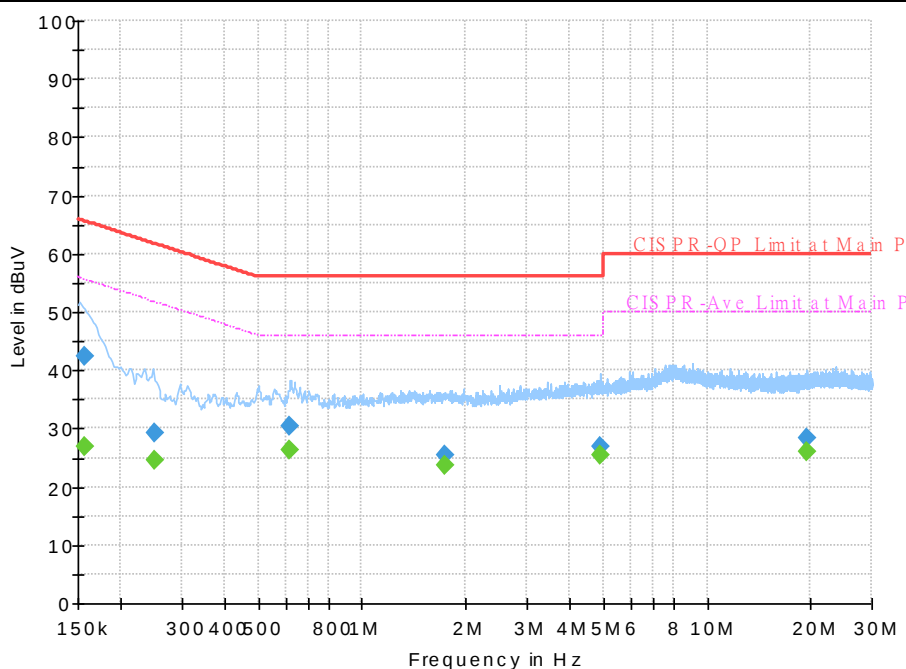
Uncertainty of Radiated Emission Measurement (1000 MHz ~ 30000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.50
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Appendix A. AC Conducted Emission Test Results

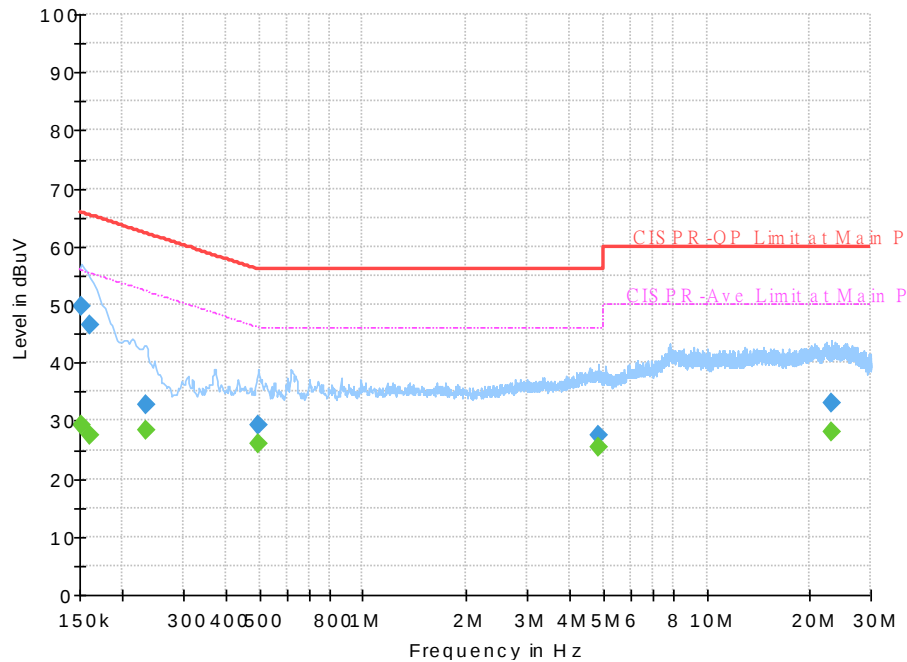
Test Mode :	Mode 1	Temperature :	22~23℃
Test Engineer :	Jimmy Chang	Relative Humidity :	48~50%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

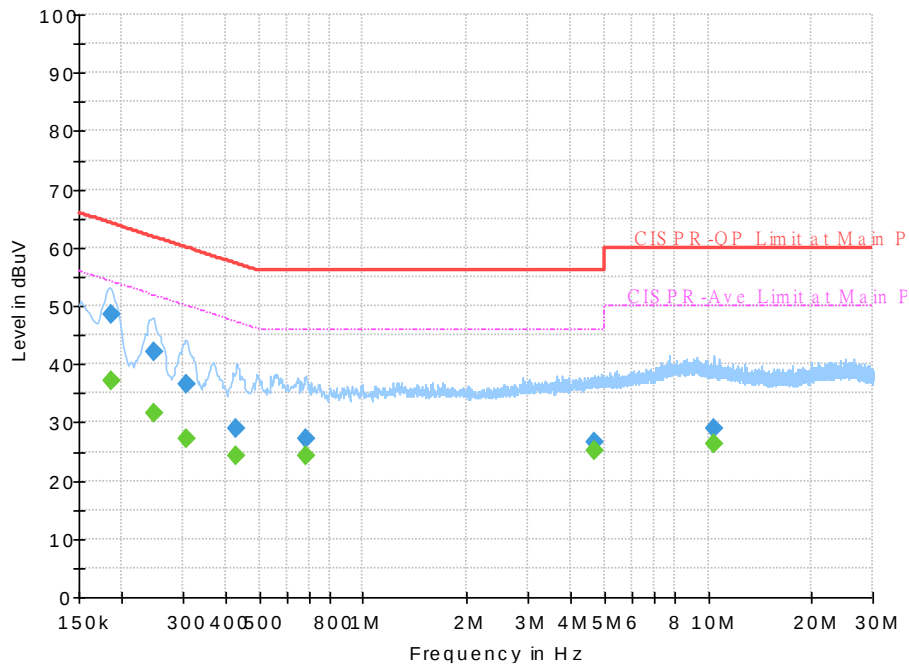
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	26.84	55.63	28.79	L1	OFF	19.5
0.156750	42.39	---	65.63	23.24	L1	OFF	19.5
0.251250	---	24.63	51.72	27.09	L1	OFF	19.5
0.251250	29.21	---	61.72	32.51	L1	OFF	19.5
0.618000	---	26.20	46.00	19.80	L1	OFF	19.6
0.618000	30.36	---	56.00	25.64	L1	OFF	19.6
1.731750	---	23.57	46.00	22.43	L1	OFF	19.6
1.731750	25.40	---	56.00	30.60	L1	OFF	19.6
4.893000	---	25.39	46.00	20.61	L1	OFF	19.7
4.893000	26.87	---	56.00	29.13	L1	OFF	19.7
19.446000	---	26.02	50.00	23.98	L1	OFF	20.2
19.446000	28.27	---	60.00	31.73	L1	OFF	20.2

Test Mode :	Mode 1	Temperature :	22~23°C
Test Engineer :	Jimmy Chang	Relative Humidity :	48~50%
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	---	29.20	55.88	26.68	N	OFF	19.5
0.152250	49.85	---	65.88	16.03	N	OFF	19.5
0.161250	---	27.49	55.40	27.91	N	OFF	19.5
0.161250	46.63	---	65.40	18.77	N	OFF	19.5
0.233250	---	28.42	52.33	23.91	N	OFF	19.5
0.233250	32.82	---	62.33	29.51	N	OFF	19.5
0.498750	---	26.08	46.02	19.94	N	OFF	19.5
0.498750	29.32	---	56.02	26.70	N	OFF	19.5
4.850250	---	25.54	46.00	20.46	N	OFF	19.7
4.850250	27.43	---	56.00	28.57	N	OFF	19.7
23.061750	---	28.11	50.00	21.89	N	OFF	20.4
23.061750	32.90	---	60.00	27.10	N	OFF	20.4

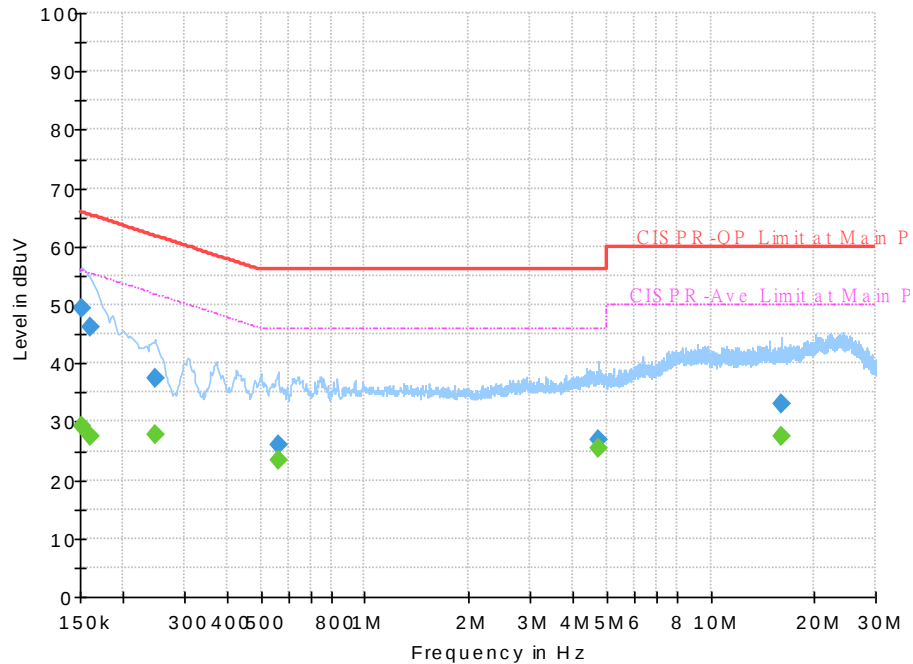
Test Mode :	Mode 2	Temperature :	22~23°C
Test Engineer :	Jimmy Chang	Relative Humidity :	48~50%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

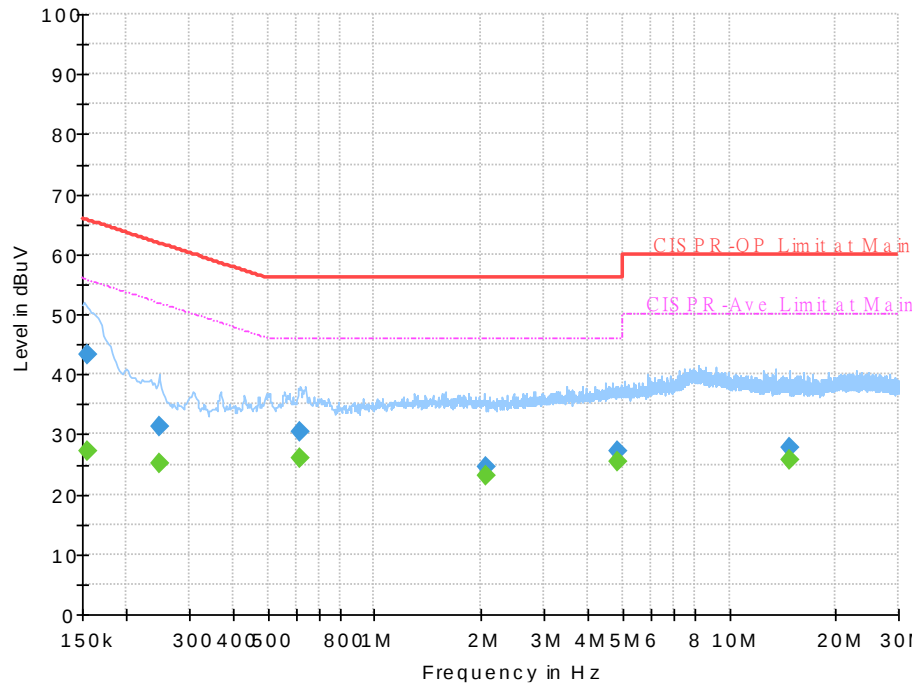
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.186000	---	37.21	54.21	17.00	L1	OFF	19.5
0.186000	48.41	---	64.21	15.80	L1	OFF	19.5
0.246750	---	31.49	51.87	20.38	L1	OFF	19.5
0.246750	42.16	---	61.87	19.71	L1	OFF	19.5
0.307500	---	27.11	50.04	22.93	L1	OFF	19.5
0.307500	36.67	---	60.04	23.37	L1	OFF	19.5
0.429000	---	24.19	47.27	23.08	L1	OFF	19.5
0.429000	28.95	---	57.27	28.32	L1	OFF	19.5
0.683250	---	24.17	46.00	21.83	L1	OFF	19.6
0.683250	27.21	---	56.00	28.79	L1	OFF	19.6
4.704000	---	25.14	46.00	20.86	L1	OFF	19.7
4.704000	26.75	---	56.00	29.25	L1	OFF	19.7
10.423500	---	26.39	50.00	23.61	L1	OFF	19.9
10.423500	28.85	---	60.00	31.15	L1	OFF	19.9

Test Mode :	Mode 2	Temperature :	22~23°C
Test Engineer :	Jimmy Chang	Relative Humidity :	48~50%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		


Final Result

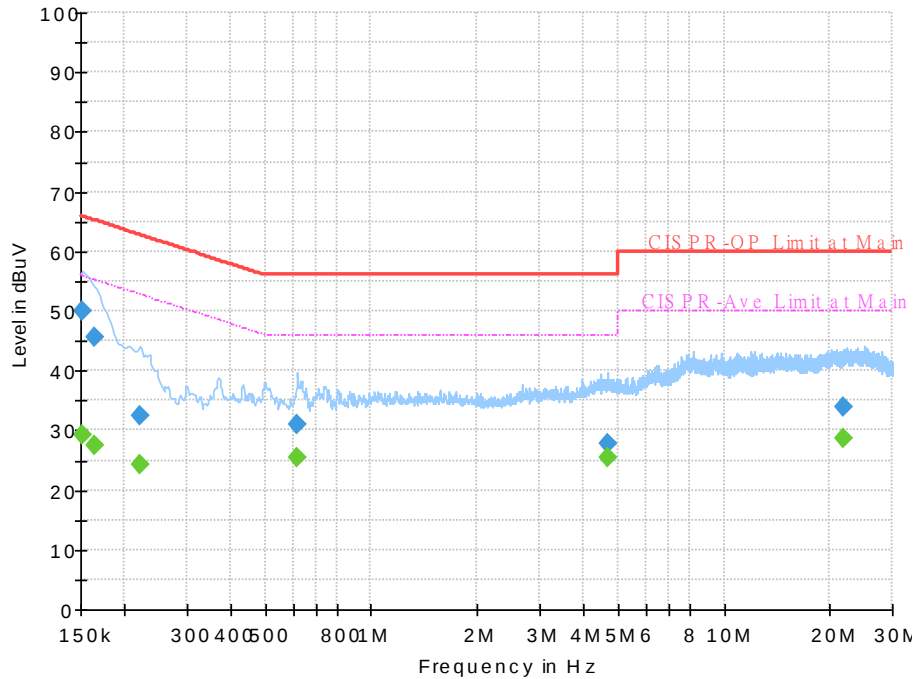
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	29.24	55.88	26.64	N	OFF	19.5
0.152250	49.32	---	65.88	16.56	N	OFF	19.5
0.161250	---	27.51	55.40	27.89	N	OFF	19.5
0.161250	46.24	---	65.40	19.16	N	OFF	19.5
0.249000	---	27.87	51.79	23.92	N	OFF	19.5
0.249000	37.34	---	61.79	24.45	N	OFF	19.5
0.561750	---	23.32	46.00	22.68	N	OFF	19.5
0.561750	26.14	---	56.00	29.86	N	OFF	19.5
4.735500	---	25.38	46.00	20.62	N	OFF	19.7
4.735500	26.97	---	56.00	29.03	N	OFF	19.7
15.965250	---	27.46	50.00	22.54	N	OFF	20.2
15.965250	33.03	---	60.00	26.97	N	OFF	20.2

Test Mode :	Mode 3	Temperature :	22~23°C
Test Engineer :	Jimmy Chang	Relative Humidity :	48~50%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154500	---	27.22	55.75	28.53	L1	OFF	19.5
0.154500	43.39	---	65.75	22.36	L1	OFF	19.5
0.246750	---	25.25	51.87	26.62	L1	OFF	19.5
0.246750	31.24	---	61.87	30.63	L1	OFF	19.5
0.615750	---	26.06	46.00	19.94	L1	OFF	19.6
0.615750	30.28	---	56.00	25.72	L1	OFF	19.6
2.067000	---	23.17	46.00	22.83	L1	OFF	19.4
2.067000	24.51	---	56.00	31.49	L1	OFF	19.4
4.852500	---	25.41	46.00	20.59	L1	OFF	19.7
4.852500	27.07	---	56.00	28.93	L1	OFF	19.7
14.739000	---	25.63	50.00	24.37	L1	OFF	20.1
14.739000	27.86	---	60.00	32.14	L1	OFF	20.1

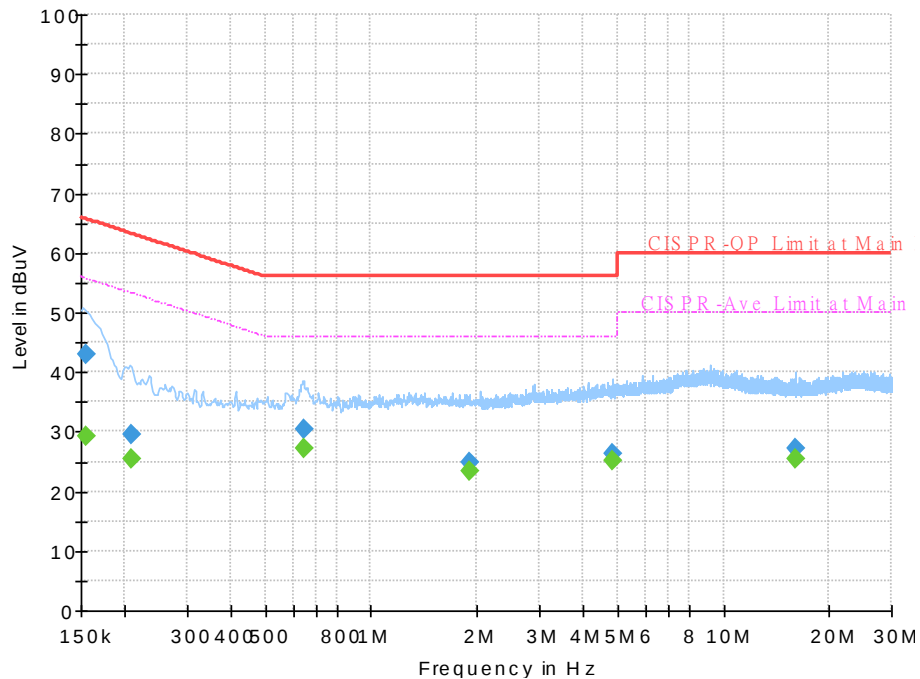
Test Mode :	Mode 3	Temperature :	22~23°C
Test Engineer :	Jimmy Chang	Relative Humidity :	48~50%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	29.21	55.88	26.67	N	OFF	19.5
0.152250	49.86	---	65.88	16.02	N	OFF	19.5
0.163500	---	27.46	55.28	27.82	N	OFF	19.5
0.163500	45.73	---	65.28	19.55	N	OFF	19.5
0.222000	---	24.22	52.74	28.52	N	OFF	19.5
0.222000	32.34	---	62.74	30.40	N	OFF	19.5
0.615750	---	25.44	46.00	20.56	N	OFF	19.6
0.615750	30.97	---	56.00	25.03	N	OFF	19.6
4.697250	---	25.54	46.00	20.46	N	OFF	19.7
4.697250	27.69	---	56.00	28.31	N	OFF	19.7
21.921000	---	28.60	50.00	21.40	N	OFF	20.4
21.921000	33.91	---	60.00	26.09	N	OFF	20.4

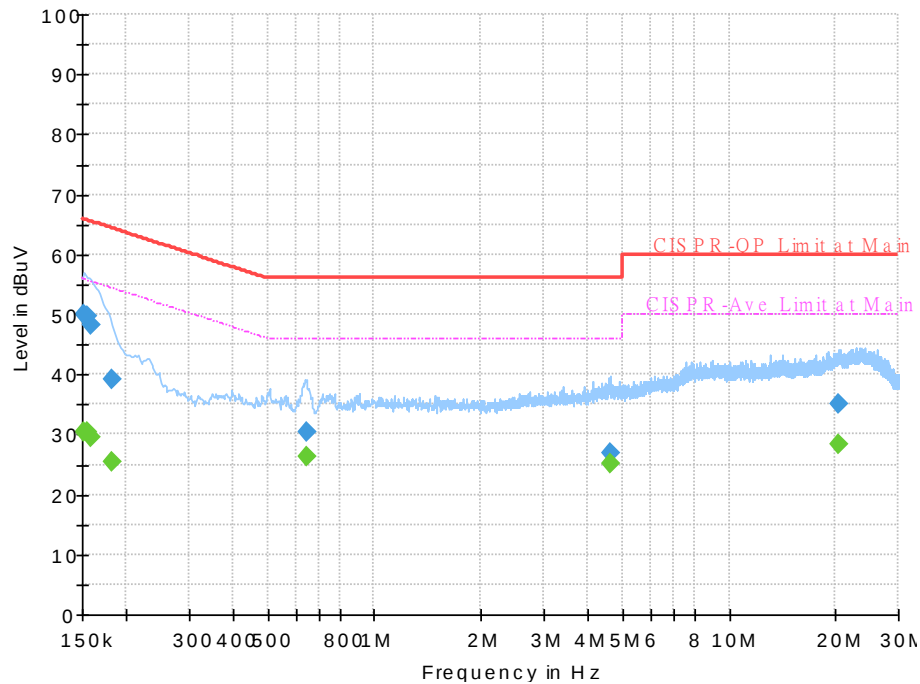


Test Mode :	Mode 4	Temperature :	22~23°C
Test Engineer :	Jimmy Chang	Relative Humidity :	48~50%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

**Final Result**

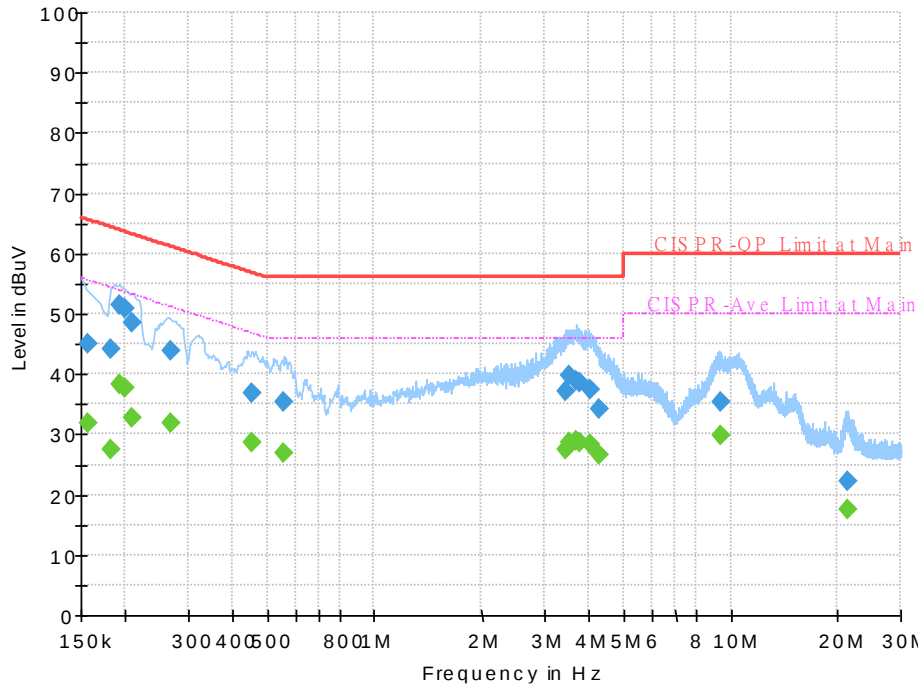
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154500	42.87	---	65.75	22.88	L1	OFF	19.5
0.154500	---	29.28	55.75	26.47	L1	OFF	19.5
0.208500	29.62	---	63.27	33.65	L1	OFF	19.5
0.208500	---	25.36	53.27	27.91	L1	OFF	19.5
0.642750	30.41	---	56.00	25.59	L1	OFF	19.6
0.642750	---	27.21	46.00	18.79	L1	OFF	19.6
1.896000	24.97	---	56.00	31.03	L1	OFF	19.6
1.896000	---	23.48	46.00	22.52	L1	OFF	19.6
4.825500	26.37	---	56.00	29.63	L1	OFF	19.7
4.825500	---	25.17	46.00	20.83	L1	OFF	19.7
15.978750	27.28	---	60.00	32.72	L1	OFF	20.1
15.978750	---	25.34	50.00	24.66	L1	OFF	20.1

Test Mode :	Mode 4	Temperature :	22~23°C
Test Engineer :	Jimmy Chang	Relative Humidity :	48~50%
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	---	30.44	55.88	25.44	N	OFF	19.5
0.152250	49.96	---	65.88	15.92	N	OFF	19.5
0.154500	---	30.30	55.75	25.45	N	OFF	19.5
0.154500	49.58	---	65.75	16.17	N	OFF	19.5
0.159000	---	29.68	55.52	25.84	N	OFF	19.5
0.159000	48.16	---	65.52	17.36	N	OFF	19.5
0.181500	---	25.58	54.42	28.84	N	OFF	19.5
0.181500	39.14	---	64.42	25.28	N	OFF	19.5
0.642750	---	26.18	46.00	19.82	N	OFF	19.6
0.642750	30.35	---	56.00	25.65	N	OFF	19.6
4.620750	---	25.17	46.00	20.83	N	OFF	19.7
4.620750	26.82	---	56.00	29.18	N	OFF	19.7
20.395500	---	28.42	50.00	21.58	N	OFF	20.3
20.395500	35.01	---	60.00	24.99	N	OFF	20.3

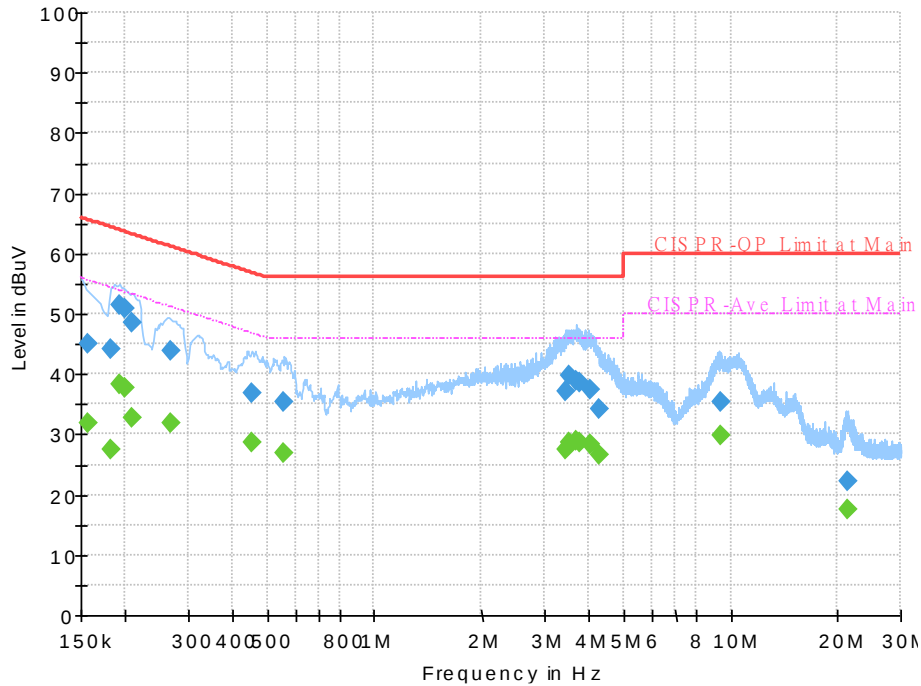
Test Mode :	Mode 5	Temperature :	22~23°C
Test Engineer :	Jimmy Chang	Relative Humidity :	48~50%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

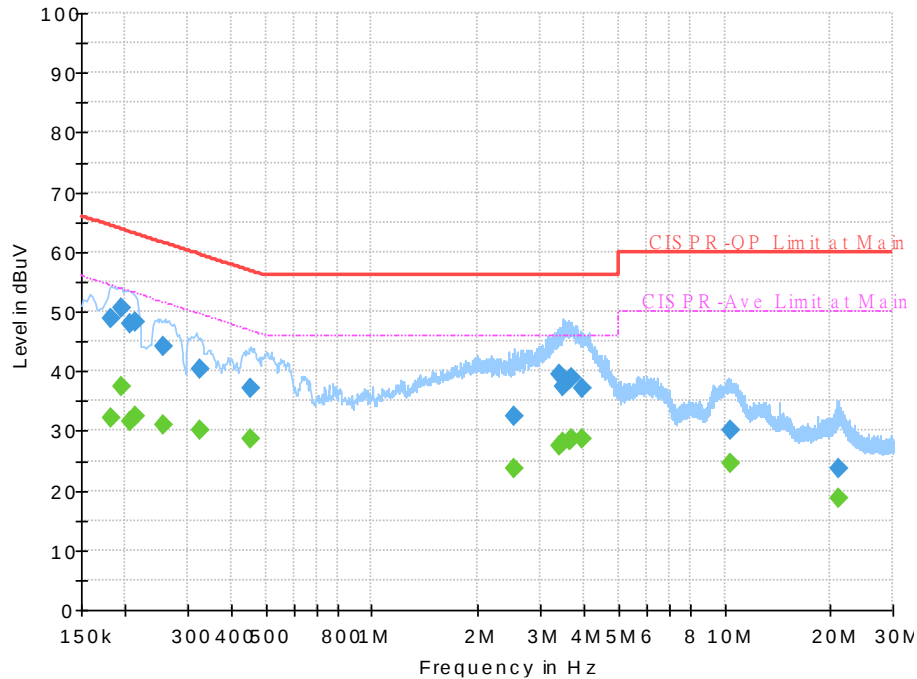
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	31.95	55.63	23.68	L1	OFF	19.5
0.156750	44.90	---	65.63	20.73	L1	OFF	19.5
0.181500	---	27.59	54.42	26.83	L1	OFF	19.5
0.181500	44.18	---	64.42	20.24	L1	OFF	19.5
0.192750	---	38.32	53.92	15.60	L1	OFF	19.5
0.192750	51.61	---	63.92	12.31	L1	OFF	19.5
0.199500	---	37.70	53.63	15.93	L1	OFF	19.5
0.199500	50.96	---	63.63	12.67	L1	OFF	19.5
0.208500	---	32.68	53.27	20.59	L1	OFF	19.5
0.208500	48.48	---	63.27	14.79	L1	OFF	19.5
0.267000	---	31.87	51.21	19.34	L1	OFF	19.5
0.267000	43.98	---	61.21	17.23	L1	OFF	19.5
0.451500	---	28.58	46.85	18.27	L1	OFF	19.5
0.451500	36.83	---	56.85	20.02	L1	OFF	19.5
0.557250	---	26.77	46.00	19.23	L1	OFF	19.5
0.557250	35.38	---	56.00	20.62	L1	OFF	19.5
3.428250	---	27.52	46.00	18.48	L1	OFF	19.6
3.428250	37.09	---	56.00	18.91	L1	OFF	19.6
3.540750	---	28.57	46.00	17.43	L1	OFF	19.6
3.540750	39.91	---	56.00	16.09	L1	OFF	19.6

Test Mode :	Mode 5	Temperature :	22~23°C
Test Engineer :	Jimmy Chang	Relative Humidity :	48~50%
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)
3.682500	---	28.88	46.00	17.12	L1	OFF	19.6
3.682500	38.81	---	56.00	17.19	L1	OFF	19.6
3.783750	---	28.67	46.00	17.33	L1	OFF	19.6
3.783750	38.64	---	56.00	17.36	L1	OFF	19.6
4.026750	---	28.37	46.00	17.63	L1	OFF	19.6
4.026750	37.37	---	56.00	18.63	L1	OFF	19.6
4.294500	---	26.66	46.00	19.34	L1	OFF	19.6
4.294500	34.15	---	56.00	21.85	L1	OFF	19.6
9.426750	---	29.77	50.00	20.23	L1	OFF	19.7
9.426750	35.30	---	60.00	24.70	L1	OFF	19.7
21.318000	---	17.62	50.00	32.38	L1	OFF	19.8
21.318000	22.09	---	60.00	37.91	L1	OFF	19.8

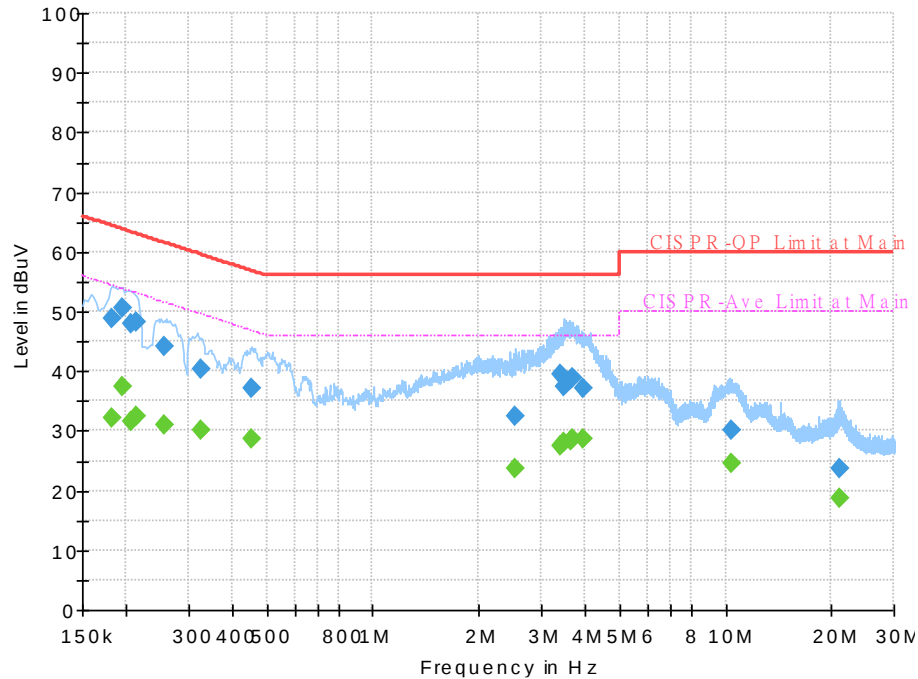
Test Mode :	Mode 5	Temperature :	22~23°C
Test Engineer :	Jimmy Chang	Relative Humidity :	48~50%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.181500	---	32.02	54.42	22.40	N	OFF	19.5
0.181500	48.79	---	64.42	15.63	N	OFF	19.5
0.195000	---	37.37	53.82	16.45	N	OFF	19.5
0.195000	50.57	---	63.82	13.25	N	OFF	19.5
0.206250	---	31.71	53.36	21.65	N	OFF	19.5
0.206250	47.93	---	63.36	15.43	N	OFF	19.5
0.213000	---	32.49	53.09	20.60	N	OFF	19.5
0.213000	48.13	---	63.09	14.96	N	OFF	19.5
0.255750	---	31.07	51.57	20.50	N	OFF	19.5
0.255750	44.16	---	61.57	17.41	N	OFF	19.5
0.325500	---	30.03	49.57	19.54	N	OFF	19.5
0.325500	40.44	---	59.57	19.13	N	OFF	19.5
0.453750	---	28.53	46.81	18.28	N	OFF	19.5
0.453750	37.23	---	56.81	19.58	N	OFF	19.5
2.544000	---	23.58	46.00	22.42	N	OFF	19.5
2.544000	32.39	---	56.00	23.61	N	OFF	19.5
3.396750	---	27.48	46.00	18.52	N	OFF	19.6
3.396750	39.49	---	56.00	16.51	N	OFF	19.6
3.498000	---	27.95	46.00	18.05	N	OFF	19.6
3.498000	37.45	---	56.00	18.55	N	OFF	19.6

Test Mode :	Mode 5	Temperature :	22~23°C
Test Engineer :	Jimmy Chang	Relative Humidity :	48~50%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



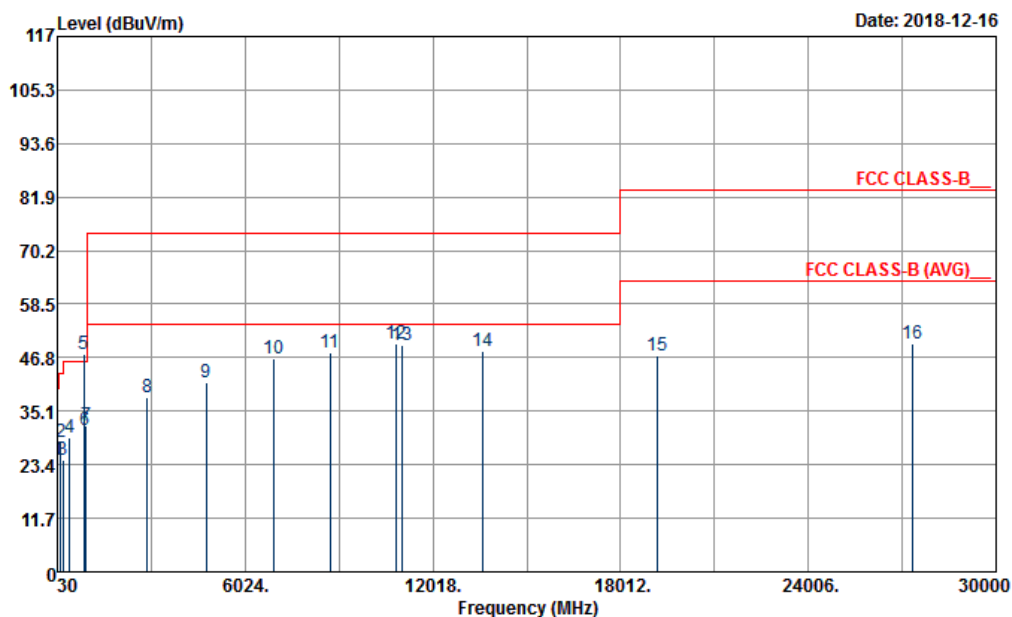
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
3.639750	---	28.45	46.00	17.55	N	OFF	19.6
3.639750	38.50	---	56.00	17.50	N	OFF	19.6
3.707250	---	28.76	46.00	17.24	N	OFF	19.6
3.707250	38.90	---	56.00	17.10	N	OFF	19.6
3.966000	---	28.59	46.00	17.41	N	OFF	19.6
3.966000	37.14	---	56.00	18.86	N	OFF	19.6
10.432500	---	24.70	50.00	25.30	N	OFF	19.7
10.432500	30.02	---	60.00	29.98	N	OFF	19.7
21.135750	---	18.68	50.00	31.32	N	OFF	19.9
21.135750	23.69	---	60.00	36.31	N	OFF	19.9



Appendix B. Radiated Emission Test Result

Mode :	Mode 1	Temperature :	22~26°C
Test Engineer :	Donny Tang	Relative Humidity :	48~52%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#5 is system simulator signal which can be ignored.		

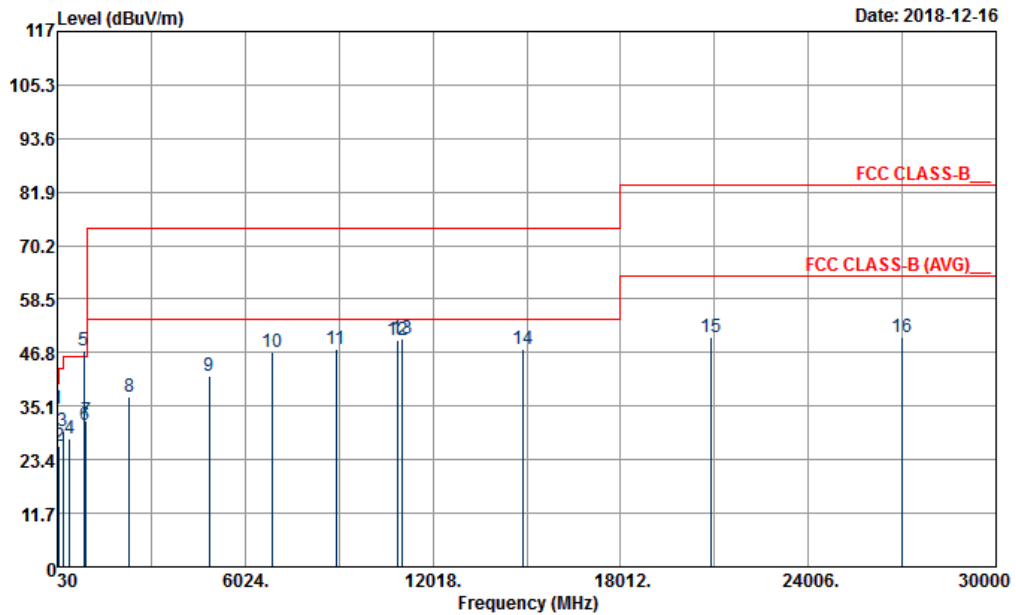


Site : 03CH06-HY
Condition : FCC CLASS-B__1m SHF_ANT_0251_181120 HORIZONTAL
Project : 802416-02

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	cm	deg
			dB	dBuV/m	dBuV	dB/m	dB	dB		
1	33.78	24.58	-15.42	40.00	33.51	22.22	0.62	31.77	---	Peak
2	136.38	28.46	-15.04	43.50	41.55	17.27	1.36	31.72	---	Peak
3	217.65	24.37	-21.63	46.00	39.54	14.92	1.62	31.71	---	Peak
4	420.40	29.24	-16.76	46.00	36.20	22.33	2.46	31.75	---	Peak
5 *	869.10	47.62			46.51	29.08	3.61	31.58	---	Peak
6	931.40	30.91	-15.09	46.00	28.23	30.06	3.79	31.17	---	Peak
7	950.30	31.90	-14.10	46.00	28.60	30.51	3.79	31.00	100	110 Peak
8	2910.00	38.04	-35.96	74.00	63.57	28.30	7.06	61.34	---	Peak
9	4792.00	41.54	-32.46	74.00	59.49	31.00	9.73	59.22	---	Peak
10	6938.00	46.74	-27.26	74.00	55.73	35.07	13.72	58.61	---	Peak
11	8730.00	47.87	-26.13	74.00	52.49	37.80	13.78	57.57	---	Peak
12	10864.00	49.89	-24.11	74.00	50.03	40.37	15.07	56.78	100	111 Peak
13	11024.00	49.64	-24.36	74.00	49.39	40.37	15.17	56.48	---	Peak
14	13626.00	48.29	-25.71	74.00	48.39	40.27	17.72	58.09	---	Peak
15	19176.00	47.31	-36.23	83.54	46.12	37.70	14.26	50.77	---	Peak
16	27312.00	49.84	-33.70	83.54	43.59	39.54	17.25	50.54	---	Peak



Mode :	Mode 1	Temperature :	22~26°C
Test Engineer :	Donny Tang	Relative Humidity :	48~52%
Test Distance :	3m	Polarization :	Vertical
Remark :	#5 is system simulator signal which can be ignored.		

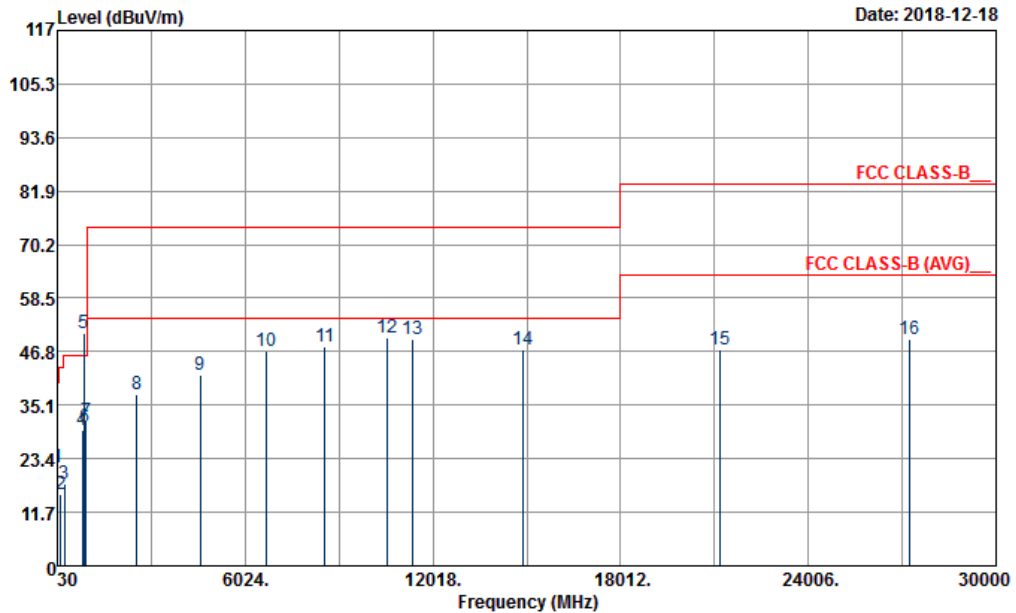


Site : 03CH06-HY
Condition : FCC CLASS-B__ 1m SHF_ANT_0251_181120 VERTICAL
Project : 802416-02

	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	33.78	34.56	-5.44	40.00	43.49	22.22	0.62	31.77	100	154 Peak
2	87.24	26.48	-13.52	40.00	43.15	14.04	1.03	31.74	---	---
3	199.56	29.61	-13.89	43.50	44.90	14.80	1.62	31.71	---	---
4	416.20	27.95	-18.05	46.00	35.08	22.15	2.46	31.74	---	---
5 *	869.10	47.40			46.29	29.08	3.61	31.58	---	---
6	921.60	30.82	-15.18	46.00	28.57	29.76	3.74	31.25	---	---
7	951.00	31.81	-14.19	46.00	28.50	30.51	3.79	30.99	---	---
8	2318.00	37.09	-36.91	74.00	63.57	27.83	6.38	61.10	---	---
9	4880.00	41.55	-32.45	74.00	59.47	31.17	9.34	58.85	---	---
10	6900.00	47.00	-27.00	74.00	55.97	35.00	13.78	58.62	---	---
11	8932.00	47.66	-26.34	74.00	52.53	37.57	13.93	57.83	---	---
12	10886.00	49.59	-24.41	74.00	49.65	40.40	15.09	56.75	---	---
13	11034.00	49.77	-24.23	74.00	49.49	40.37	15.19	56.47	100	123 Peak
14	14913.00	47.64	-26.36	74.00	45.80	41.00	18.56	57.72	---	---
15	20880.00	50.27	-33.27	83.54	48.06	37.70	14.96	50.45	---	---
16	26976.00	50.15	-33.39	83.54	44.03	39.59	17.12	50.59	---	---



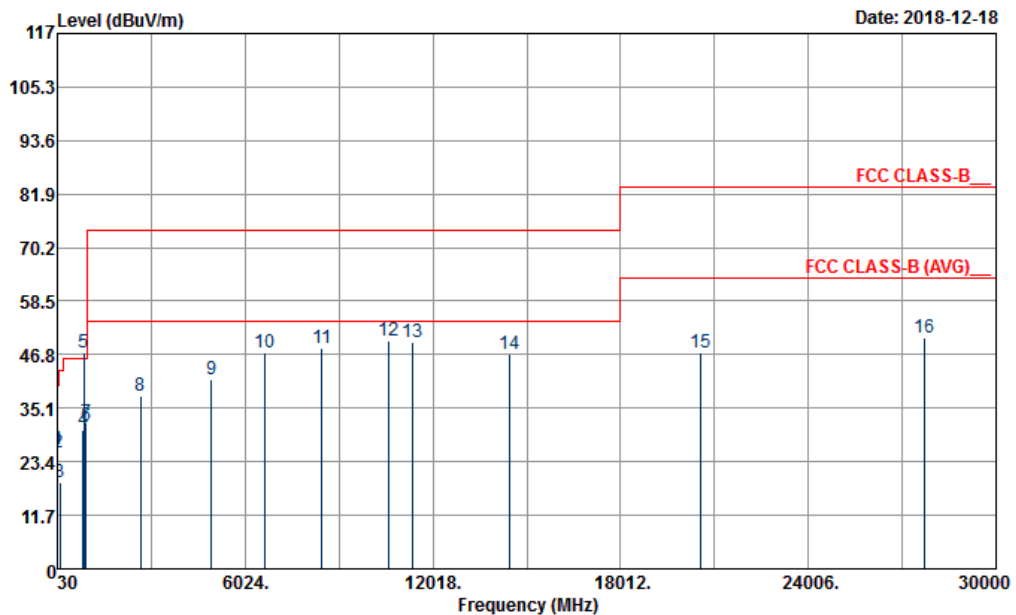
Mode :	Mode 2	Temperature :	22~26°C
Test Engineer :	Donny Tang	Relative Humidity :	48~52%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#5 is system simulator signal which can be ignored.		



Site : 03CH06-HY
 Condition : FCC CLASS-B_1m SHF_ANT_0251_181120 HORIZONTAL
 Project : 802416-02
 Power : 120Vac/60Hz

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.00	21.50	-18.50	40.00	28.46	24.19	0.62	31.77	---	---	Peak
2	127.74	15.62	-27.88	43.50	28.54	17.44	1.36	31.72	---	---	Peak
3	262.47	17.95	-28.05	46.00	28.40	19.31	1.94	31.70	---	---	Peak
4	826.40	29.65	-16.35	46.00	29.10	28.77	3.55	31.77	---	---	Peak
5 *	881.70	50.96			49.86	28.95	3.67	31.52	---	---	Peak
6	918.80	30.47	-15.53	46.00	28.34	29.66	3.74	31.27	---	---	Peak
7	958.00	31.69	-14.31	46.00	27.93	30.71	3.98	30.93	100	131	Peak
8	2558.00	37.36	-36.64	74.00	63.96	27.47	6.65	61.13	---	---	Peak
9	4604.00	41.57	-32.43	74.00	60.92	30.80	9.35	60.07	---	---	Peak
10	6682.00	46.87	-27.13	74.00	57.27	34.30	13.11	58.66	---	---	Peak
11	8576.00	48.04	-25.96	74.00	53.00	37.27	13.90	57.39	---	---	Peak
12	10582.00	49.71	-24.29	74.00	51.05	40.00	14.89	57.44	100	192	Peak
13	11362.00	49.38	-24.62	74.00	49.25	39.77	15.39	56.21	---	---	Peak
14	14904.00	47.24	-26.76	74.00	45.40	41.00	18.56	57.72	---	---	Peak
15	21204.00	47.11	-36.43	83.54	44.74	37.74	15.07	50.44	---	---	Peak
16	27252.00	49.57	-33.97	83.54	43.34	39.55	17.23	50.55	---	---	Peak

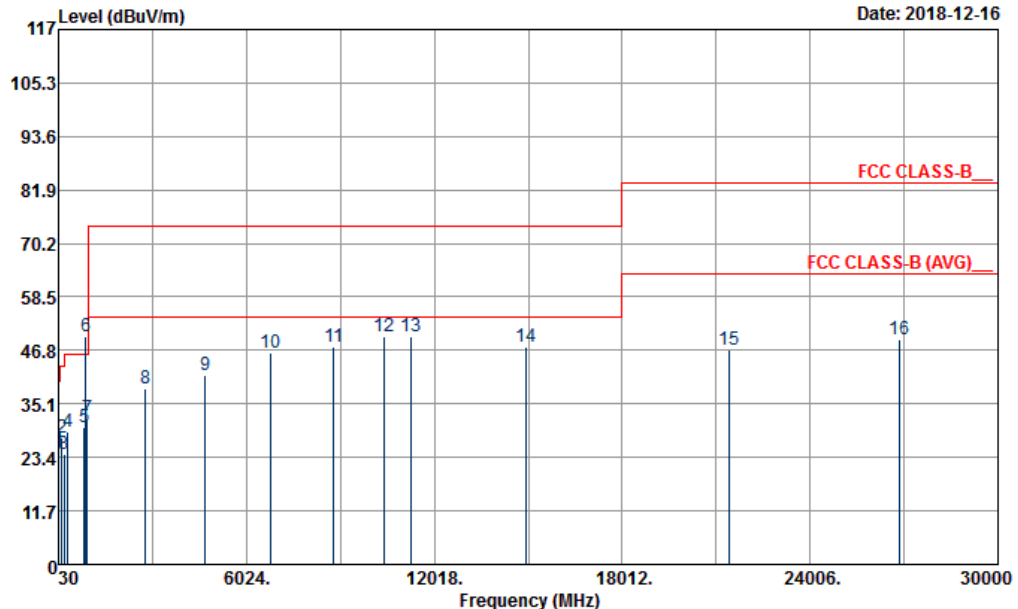
Mode :	Mode 2	Temperature :	22~26°C
Test Engineer :	Donny Tang	Relative Humidity :	48~52%
Test Distance :	3m	Polarization :	Vertical
Remark :	#5 is system simulator signal which can be ignored.		



Site : 03CH06-HY
 Condition : FCC CLASS-B__ 1m SHF_ANT_0251_181120 VERTICAL
 Project : 802416-02
 Power : 120Vac/60Hz

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	30.27	26.05	-13.95	40.00	33.01	24.19	0.62	31.77	100	195 Peak
2	51.06	25.40	-14.60	40.00	42.78	13.54	0.84	31.76	---	---
3	113.16	19.04	-24.46	43.50	32.59	16.95	1.23	31.73	---	---
4	862.10	30.39	-15.61	46.00	29.19	29.20	3.61	31.61	---	---
5 *	881.70	47.24			46.14	28.95	3.67	31.52	---	---
6	939.80	31.38	-14.62	46.00	28.36	30.32	3.79	31.09	---	---
7	955.90	31.92	-14.08	46.00	28.23	30.66	3.98	30.95	---	---
8	2692.00	37.89	-36.11	74.00	64.01	27.90	6.81	61.22	---	---
9	4952.00	41.41	-32.59	74.00	59.46	31.30	8.88	58.54	---	---
10	6646.00	47.12	-26.88	74.00	57.75	34.30	12.93	58.67	---	---
11	8486.00	48.21	-25.79	74.00	53.56	36.93	13.74	57.31	---	---
12	10628.00	49.84	-24.16	74.00	51.05	39.98	14.92	57.32	100	120 Peak
13	11360.00	49.38	-24.62	74.00	49.27	39.75	15.39	56.21	---	---
14	14472.00	47.06	-26.94	74.00	44.83	41.67	18.36	57.80	---	---
15	20556.00	47.17	-36.37	83.54	45.21	37.70	14.84	50.58	---	---
16	27732.00	50.43	-33.11	83.54	44.06	39.54	17.42	50.59	---	---

Mode :	Mode 3	Temperature :	22~26°C
Test Engineer :	Donny Tang	Relative Humidity :	48~52%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		

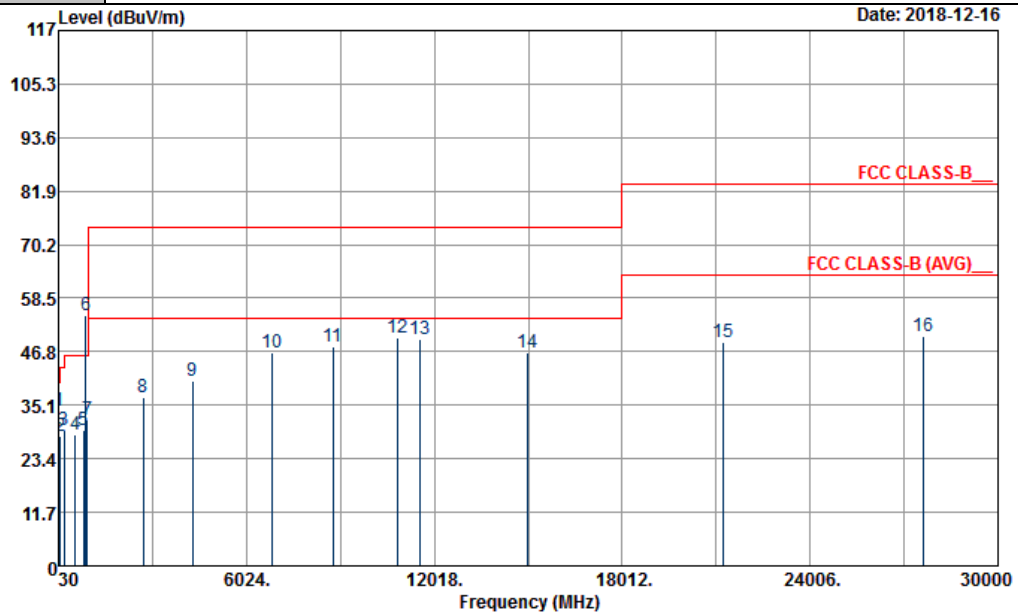


Site : 03CH06-HY
 Condition : FCC CLASS-B__ 1m SHF_ANT_0251_181120 HORIZONTAL
 Project : 802416-02

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	34.05	24.65	-15.35	40.00	33.58	22.22	0.62	31.77	---	---	Peak
2	136.38	27.57	-15.93	43.50	40.66	17.27	1.36	31.72	---	---	Peak
3	217.65	24.13	-21.87	46.00	39.30	14.92	1.62	31.71	---	---	Peak
4	337.10	29.11	-16.89	46.00	38.82	19.78	2.21	31.70	---	---	Peak
5	862.80	30.05	-15.95	46.00	28.85	29.19	3.61	31.60	---	---	Peak
6 *	893.60	50.00			48.78	29.02	3.67	31.47	---	---	Peak
7	952.40	31.81	-14.19	46.00	28.25	30.56	3.98	30.98	100	119	Peak
8	2796.00	38.31	-35.69	74.00	64.10	28.20	6.91	61.28	---	---	Peak
9	4706.00	41.41	-32.59	74.00	59.86	31.00	9.57	59.58	---	---	Peak
10	6818.00	46.12	-27.88	74.00	55.20	34.50	14.02	58.64	---	---	Peak
11	8804.00	47.51	-26.49	74.00	52.06	38.00	13.67	57.66	---	---	Peak
12	10406.00	49.82	-24.18	74.00	51.53	40.00	14.79	57.72	100	118	Peak
13	11272.00	49.81	-24.19	74.00	49.83	39.73	15.34	56.28	---	---	Peak
14	14967.00	47.48	-26.52	74.00	45.81	40.80	18.58	57.71	---	---	Peak
15	21408.00	46.85	-36.69	83.54	44.41	37.78	15.14	50.48	---	---	Peak
16	26832.00	49.27	-34.27	83.54	43.18	39.53	17.06	50.50	---	---	Peak



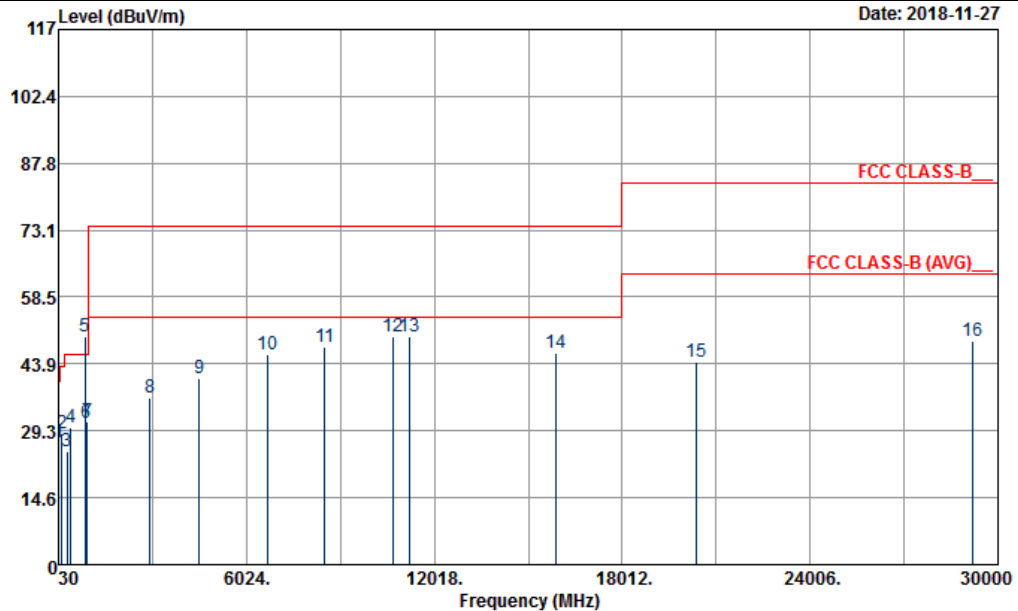
Mode :	Mode 3	Temperature :	22~26°C
Test Engineer :	Donny Tang	Relative Humidity :	48~52%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		



Site : 03CH06-HY
Condition : FCC CLASS-B__ 1m SHF_ANT_0251_181120 VERTICAL
Project : 802416-02

	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	34.05	33.93	-6.07	40.00	42.86	22.22	0.62	31.77	100	107 Peak
2	87.51	28.26	-11.74	40.00	44.93	14.04	1.03	31.74	---	---
3	199.02	29.76	-13.74	43.50	45.08	14.77	1.62	31.71	---	---
4	576.50	28.75	-17.25	46.00	32.53	25.21	2.91	31.90	---	---
5	836.90	29.52	-16.48	46.00	28.62	29.07	3.55	31.72	---	---
6 *	893.60	54.71			53.49	29.02	3.67	31.47	---	---
7	941.20	31.85	-14.15	46.00	28.80	30.34	3.79	31.08	---	---
8	2728.00	36.80	-37.20	74.00	62.83	27.97	6.84	61.23	---	---
9	4302.00	40.50	-33.50	74.00	61.37	30.10	9.31	60.93	---	---
10	6822.00	46.62	-27.38	74.00	55.80	34.50	13.96	58.64	---	---
11	8796.00	47.83	-26.17	74.00	52.38	38.00	13.67	57.66	---	---
12	10862.00	49.85	-24.15	74.00	50.02	40.37	15.07	56.81	100	115 Peak
13	11572.00	49.58	-24.42	74.00	49.32	39.77	15.53	56.22	---	---
14	14994.00	46.49	-27.51	74.00	44.85	40.75	18.59	57.70	---	---
15	21216.00	48.81	-34.73	83.54	46.44	37.74	15.07	50.44	---	---
16	27600.00	50.25	-33.29	83.54	43.89	39.52	17.37	50.53	---	---

Mode :	Mode 4	Temperature :	22~26°C
Test Engineer :	Donny Tang	Relative Humidity :	48~52%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#5 is system simulator signal which can be ignored.		

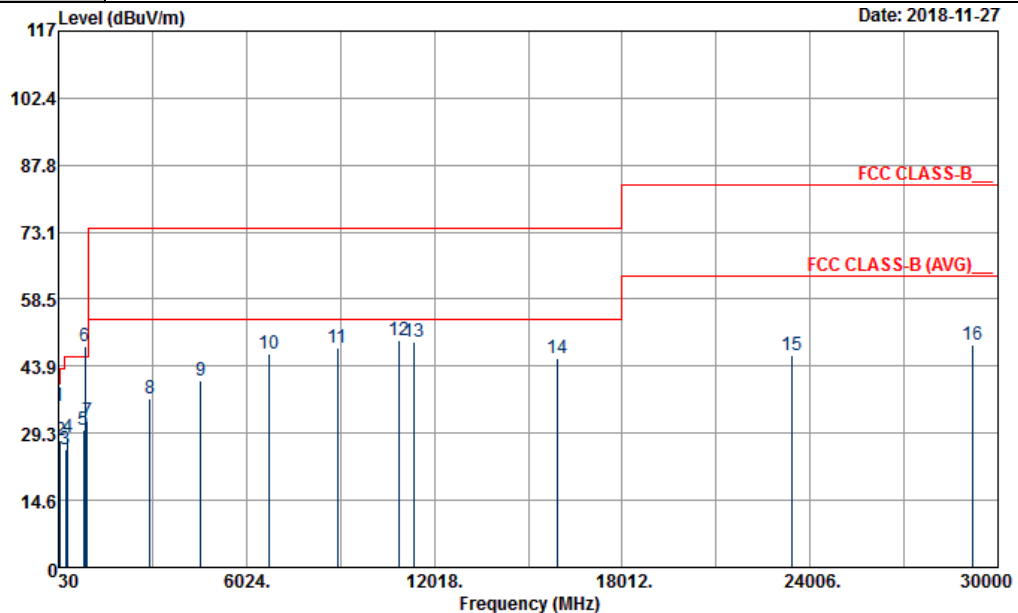


Site : 03CH06-HY
 Condition : FCC CLASS-B_ 1m SHF_ANT_0251_181120 HORIZONTAL
 Project : 802416-02
 Power : DC 12V

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	32.70	26.84	-13.16	40.00	35.28	22.71	0.62	31.77	100	146 Peak
2	137.19	28.58	-14.92	43.50	41.70	17.24	1.36	31.72	---	---
3	296.22	24.76	-21.24	46.00	35.46	18.95	2.04	31.69	---	---
4	416.90	29.99	-16.01	46.00	37.08	22.20	2.46	31.75	---	---
5 *	881.70	49.82			48.72	28.95	3.67	31.52	---	---
6	932.80	31.09	-14.91	46.00	28.33	30.12	3.79	31.15	---	---
7	958.70	31.34	-14.66	46.00	27.57	30.71	3.98	30.92	---	---
8	2954.00	36.60	-37.40	74.00	61.86	28.50	7.14	61.38	---	---
9	4522.00	40.88	-33.12	74.00	60.70	30.57	9.43	60.38	---	---
10	6720.00	46.08	-27.92	74.00	56.01	34.33	13.48	58.66	---	---
11	8532.00	47.52	-26.48	74.00	52.65	37.13	13.79	57.33	---	---
12	10694.00	49.76	-24.24	74.00	50.85	39.92	14.97	57.19	---	---
13	11214.00	49.98	-24.02	74.00	50.02	39.78	15.31	56.32	100	102 Peak
14	15885.00	46.25	-27.75	74.00	46.47	37.30	19.00	56.52	---	---
15	20364.00	44.35	-39.19	83.54	42.54	37.67	14.77	50.63	---	---
16	29208.00	48.99	-34.55	83.54	41.70	40.14	18.05	50.90	---	---



Mode :	Mode 4	Temperature :	22~26°C
Test Engineer :	Donny Tang	Relative Humidity :	48~52%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		

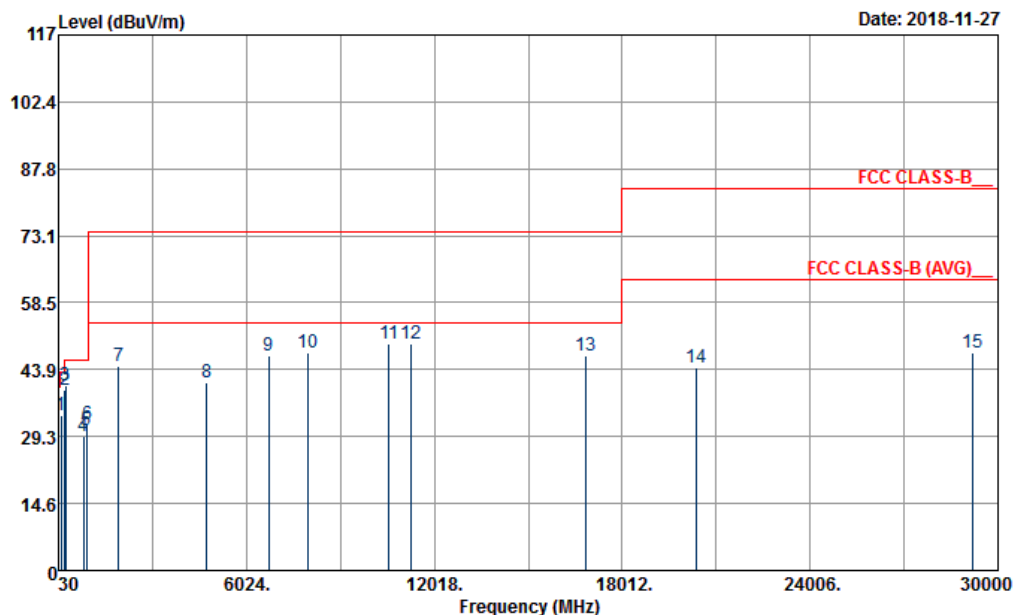


Site : 03CH06-HY
Condition : FCC CLASS-B__ 1m SHF_ANT_0251_181120 VERTICAL
Project : 802416-02
Power : DC 12V

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor		
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	32.70	35.28	-4.72	40.00	43.72	22.71	0.62	31.77	100	172 Peak
2	90.48	27.79	-15.71	43.50	43.92	14.58	1.03	31.74	---	--- Peak
3	263.55	25.86	-20.14	46.00	36.40	19.22	1.94	31.70	---	--- Peak
4	337.80	28.31	-17.69	46.00	38.03	19.78	2.21	31.71	---	--- Peak
5	836.90	30.01	-15.99	46.00	29.11	29.07	3.55	31.72	---	--- Peak
6 *	881.70	48.18			47.08	28.95	3.67	31.52	---	--- Peak
7	952.40	31.82	-14.18	46.00	28.26	30.56	3.98	30.98	---	--- Peak
8	2946.00	36.71	-37.29	74.00	62.08	28.43	7.10	61.37	---	--- Peak
9	4564.00	40.82	-33.18	74.00	60.34	30.73	9.38	60.19	---	--- Peak
10	6750.00	46.48	-27.52	74.00	56.11	34.40	13.66	58.65	---	--- Peak
11	8936.00	47.75	-26.25	74.00	52.62	37.57	13.93	57.83	---	--- Peak
12	10888.00	49.70	-24.30	74.00	49.76	40.40	15.09	56.75	100	130 Peak
13	11384.00	49.05	-24.95	74.00	48.87	39.78	15.41	56.19	---	--- Peak
14	15930.00	45.48	-28.52	74.00	45.71	37.27	19.01	56.51	---	--- Peak
15	23448.00	46.19	-37.35	83.54	42.20	38.39	15.92	50.32	---	--- Peak
16	29208.00	48.40	-35.14	83.54	41.11	40.14	18.05	50.90	---	--- Peak



Mode :	Mode 5	Temperature :	22~26°C
Test Engineer :	Donny Tang	Relative Humidity :	48~52%
Test Distance :	3m	Polarization :	Horizontal

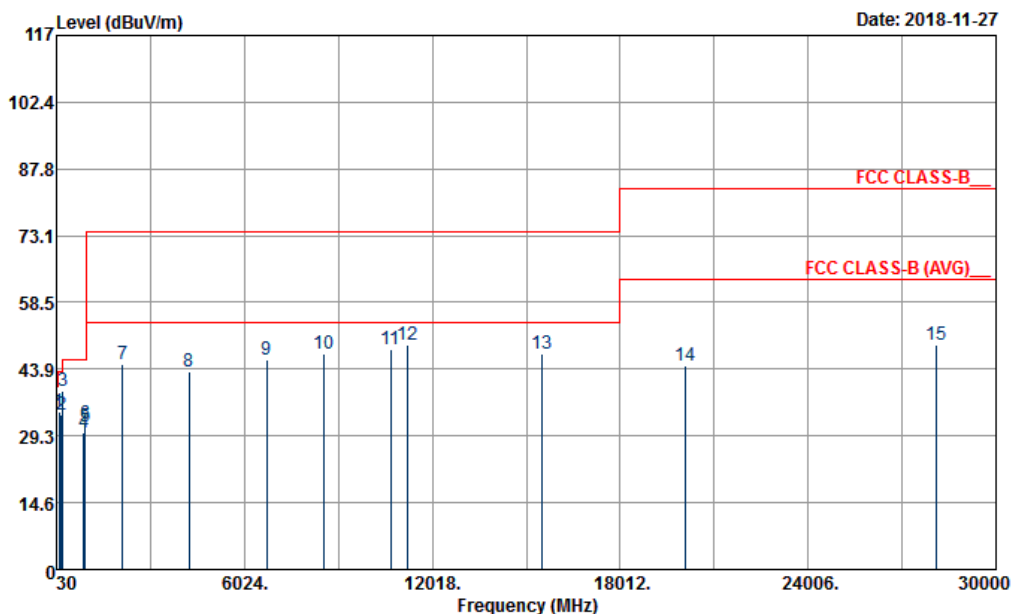


Site : 03CH06-HY
Condition : FCC CLASS-B_ 1m SHF_ANT_0251_181120 HORIZONTAL
Project : 802416-02
Power : From System

	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	110.19	33.94	-9.56	43.50	47.54	16.90	1.23	31.73	---	---	Peak
2	235.47	39.47	-6.53	46.00	52.77	16.55	1.85	31.70	---	---	Peak
3	244.65	40.35	-5.65	46.00	52.65	17.55	1.85	31.70	100	165	Peak
4	818.70	29.44	-16.56	46.00	29.23	28.51	3.50	31.80	---	---	Peak
5	911.80	30.76	-15.24	46.00	28.91	29.44	3.74	31.33	---	---	Peak
6	946.80	31.83	-14.17	46.00	28.63	30.44	3.79	31.03	---	---	Peak
7	1956.00	44.75	-29.25	74.00	73.66	26.00	5.78	61.10	---	---	Peak
8	4748.00	41.22	-32.78	74.00	59.39	31.00	9.68	59.40	---	---	Peak
9	6742.00	46.97	-27.03	74.00	56.82	34.40	13.48	58.65	---	---	Peak
10	7974.00	47.71	-26.29	74.00	54.17	37.23	13.19	57.85	---	---	Peak
11	10576.00	49.53	-24.47	74.00	50.87	40.00	14.89	57.44	---	---	Peak
12	11278.00	49.55	-24.45	74.00	49.58	39.72	15.34	56.28	100	145	Peak
13	16857.00	46.95	-27.05	74.00	41.96	40.53	20.37	55.91	---	---	Peak
14	20364.00	44.35	-39.19	83.54	42.54	37.67	14.77	50.63	---	---	Peak
15	29172.00	47.59	-35.95	83.54	40.32	40.13	18.04	50.90	---	---	Peak



Mode :	Mode 5	Temperature :	22~26°C
Test Engineer :	Donny Tang	Relative Humidity :	48~52%
Test Distance :	3m	Polarization :	Vertical



Site : 03CH06-HY
Condition : FCC CLASS-B__ 1m SHF_ANT_0251_181120 VERTICAL
Project : 802416-02
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	112.62	34.41	-9.09	43.50	47.98	16.93	1.23	31.73	---	---	Peak
2	190.65	33.86	-9.64	43.50	49.47	14.56	1.54	31.71	---	---	Peak
3	235.47	39.18	-6.82	46.00	52.48	16.55	1.85	31.70	100	192	Peak
4	911.10	29.89	-16.11	46.00	28.09	29.40	3.74	31.34	---	---	Peak
5	937.70	31.34	-14.66	46.00	28.40	30.26	3.79	31.11	---	---	Peak
6	958.70	31.85	-14.15	46.00	28.08	30.71	3.98	30.92	---	---	Peak
7	2132.00	45.13	-28.87	74.00	72.10	27.60	6.11	61.10	---	---	Peak
8	4252.00	43.19	-30.81	74.00	64.32	30.00	9.24	61.05	---	---	Peak
9	6738.00	45.85	-28.15	74.00	55.70	34.40	13.48	58.65	---	---	Peak
10	8566.00	47.19	-26.81	74.00	52.17	37.23	13.90	57.37	---	---	Peak
11	10698.00	48.35	-25.65	74.00	49.41	39.92	14.97	57.16	---	---	Peak
12	11230.00	49.33	-24.67	74.00	49.37	39.77	15.31	56.31	100	167	Peak
13	15534.00	47.21	-26.79	74.00	46.69	38.27	18.84	56.59	---	---	Peak
14	20112.00	44.59	-38.95	83.54	42.96	37.62	14.69	50.68	---	---	Peak
15	28116.00	49.10	-34.44	83.54	42.57	39.65	17.58	50.70	---	---	Peak

————THE END————