



FCC EMI TEST REPORT

FCC ID : PY7-26817E
Equipment : GSM/WCDMA/LTE Phone with BT, DTS/UNII
a/b/g/n/ac, GPS 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 Mar. 25, 2019 and testing was started from Jun. 07, 2019 and completed on Jun. 13, 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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History of this test report

Report No.	Version	Description	Issued Date
FC932517-01	01	Initial issue of report	Jun. 26, 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 10.28 dB at 0.152 MHz
3.2	15.109	Radiated Emission	Pass	Under limit 8.05 dB at 39.700 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: Wii Chang

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: Inverted-F / Loop Antenna WLAN: Inverted-F Antenna Bluetooth: Inverted-F Antenna GPS/Glonass/Galileo/ BDS: Loop Antenna NFC: Loop Antenna

EUT Information List			
HW Version	SW Version	S/N	Performed Test Item
A	0.96	BH9300ZHGP	Conducted Emission Radiated Emission

Accessory List	
AC Adapter	Model Name : UCH20
	S/N: 1116W37712313
Earphone	Model Name.: STH40D
	S/N : N/A
USB Cable	Model Name.: UCB20
	S/N : N/A
Car Charger	Model Name.: AN430
	S/N : 1715A9140008F38

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

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

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No.
	03CH10-HY

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

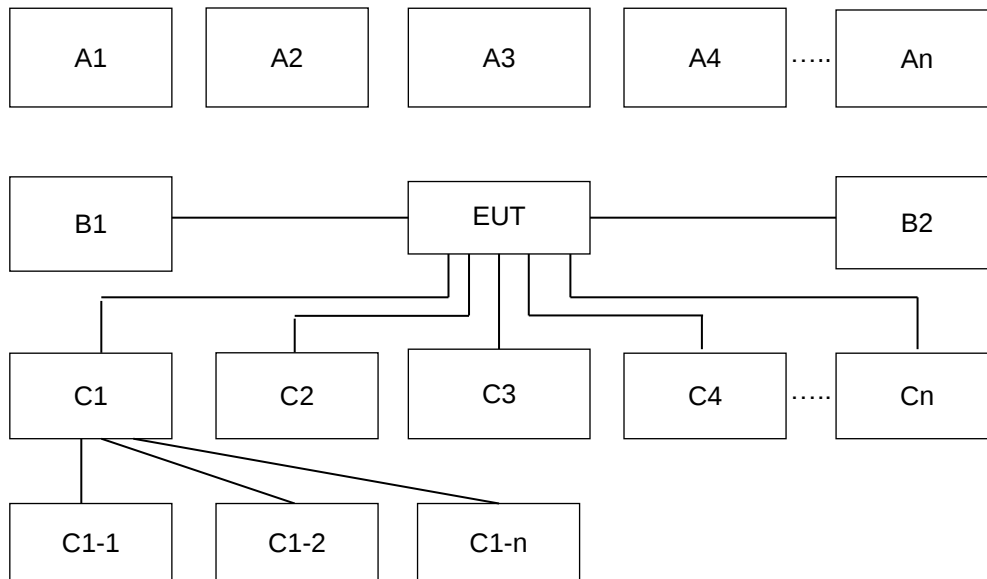
The EUT has been associated with peripherals pursuant to ANSI C63.4-2014 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (30MHz to the 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 (Middle Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + MPEG4 + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 2: WCDMA Band V (Middle Channel) Idle + Bluetooth Idle + WLAN (5GHz) Idle + MP3 + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 3: LTE Band 5 (Middle Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + GPS Rx + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 4: LTE Band 17 (Middle Channel) Idle + Bluetooth Idle + WLAN (5GHz) Idle + Camera (Front) + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 5: LTE Band 5 (Low Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + Camera (Rear) + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 6: LTE Band 5 (High Channel) Idle + Bluetooth Idle + WLAN (5GHz) Idle + NFC On + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 7: Flight Mode + USB Cable (Data Link with Notebook) + Battery + Earphone
Radiated Emissions	Mode 1: GSM850 (Middle Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + MPEG4 + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 2: WCDMA Band V (Middle Channel) Idle + Bluetooth Idle + WLAN (5GHz) Idle + MP3 + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 3: LTE Band 5 (Middle Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + GPS Rx + USB Cable (Charging from Car Charger (12Vdc)) + Battery + Earphone
	Mode 4: LTE Band 17 (Middle Channel) Idle + Bluetooth Idle + WLAN (5GHz) Idle + Camera (Front) + USB Cable (Charging from Car Charger (24Vdc)) + Battery + Earphone
	Mode 5: LTE Band 5 (Low Channel) Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + Camera (Rear) + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 6: LTE Band 5 (High Channel) Idle + Bluetooth Idle + WLAN (5GHz) Idle + NFC On + USB Cable (Charging from Adapter) + Battery + Earphone
	Mode 7: 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. For radiation emission after pre-scanned the cellular band between 30MHz ~ 960MHz (GSM850/WCDMA Band V/LTE Band 5/17), only the worst case for cellular band test data of this mode was reported.	

2.2. Connection Diagram of Test System



Conduction Test Setup									
No.	Wireless Station	Connection Type	Test Mode						
			1	2	3	4	5	6	7
A1	BT Earphone	Bluetooth	X	X	X	X	X	X	
A2	System Simulator	GSM/UMTS/CDMA/WCDMA/LTE	X	X	X	X	X	X	
A3	GPS Station	GPS			X				
A4	AP router	WiFi	X	X	X	X	X	X	
No.	Power Source	Connection Type	1	2	3	4	5	6	7
B1	AC : 120V/60Hz	AC Power Cable	X	X	X	X	X	X	
B2	Power from system	AC Power Cable							X
No.	Setup Peripherals	Connection Type	1	2	3	4	5	6	7
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	X	X
C3	SD card	SD I/O interface without Cable	X	X	X	X	X	X	X

Radiation Test Setup									
No.	Wireless Station	Connection Type	Test Mode						
			1	2	3	4	5	6	7
A1	BT Earphone	Bluetooth	X	X	X	X	X	X	
A2	System Simulator	GSM/UMTS/CDMA/WCDMA/LTE	X	X	X	X	X	X	
A3	GPS Station	GPS			X				
A4	AP router	WiFi	X	X	X	X	X	X	
No.	Power Source	Connection Type	1	2	3	4	5	6	7
B1	AC : 120V/60Hz	AC Power Cable	X	X			X	X	
B2	DC : 12V	DC Power Cable			X	X			
B3	Power from system	AC Power Cable							X
No.	Setup Peripherals	Connection Type	1	2	3	4	5	6	7
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	X	X
C3	SD card	SD I/O interface without cable	X	X	X	X	X	X	X
C4	Smart Phone	USB 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.	System Simulator	Anritsu	8820C	N/A	N/A	Unshielded, 1.8 m
3.	GPS Station	Pendulum	GSG-54	N/A	N/A	Unshielded, 1.8 m
4.	Bluetooth Earphone	Sony	SBH82D	PY7-RD0010	N/A	N/A
5.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
6.	Music Player	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
7.	Notebook	DELL	Latitude E6320	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
8.	Car Battery	GS	65B24LS	FCC DoC	NA	NA
9.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A
10.	Smart Phone	Sony	NA	NA	NA	NA

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 "GPS Test" to make the EUT receive continuous signals from GPS station.
3. Execute "Music Player" to play MP3 files.
4. Execute "Video player" to play MPEG4 files.
5. Turn on camera to capture images.
6. Turn on NFC function
7. 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.

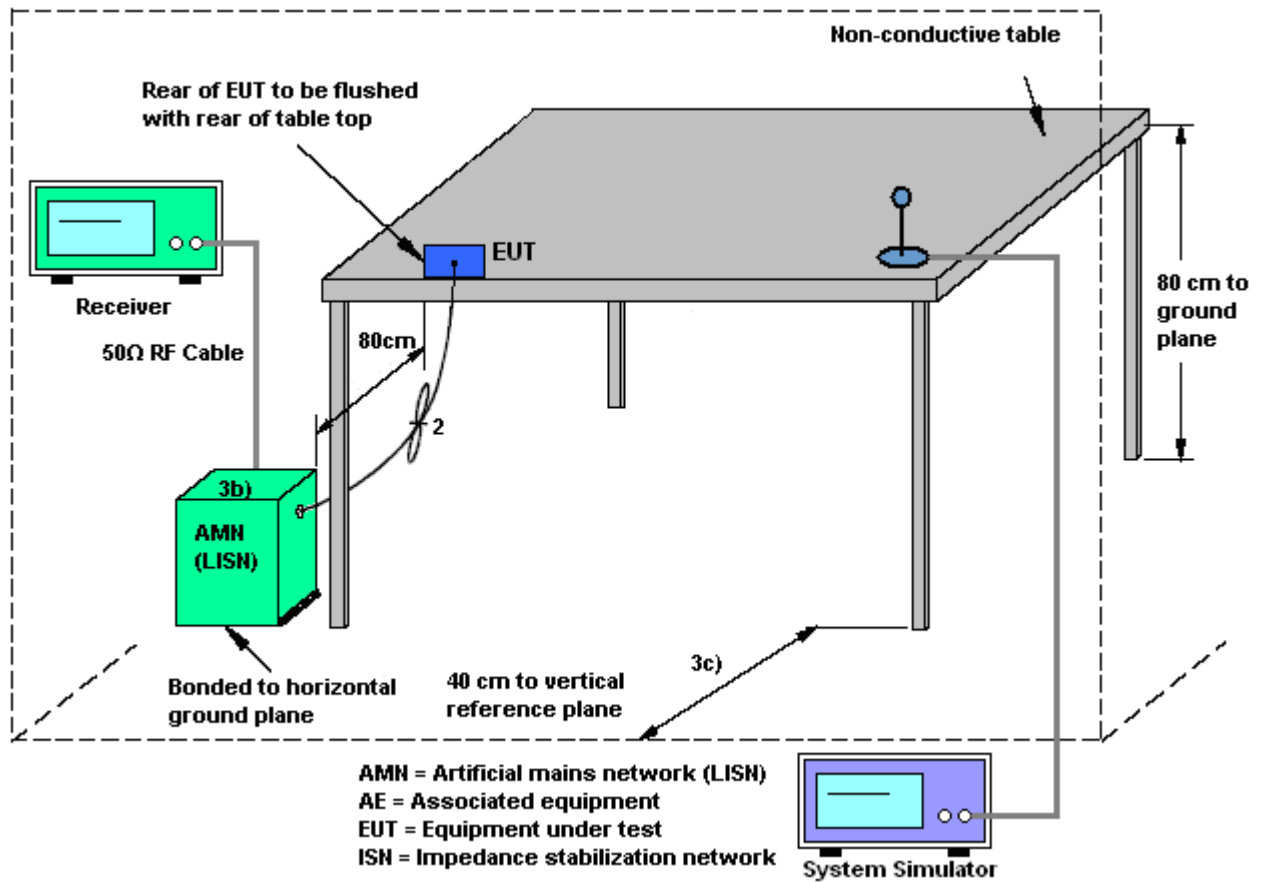
3.1.2 Measuring Instruments

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

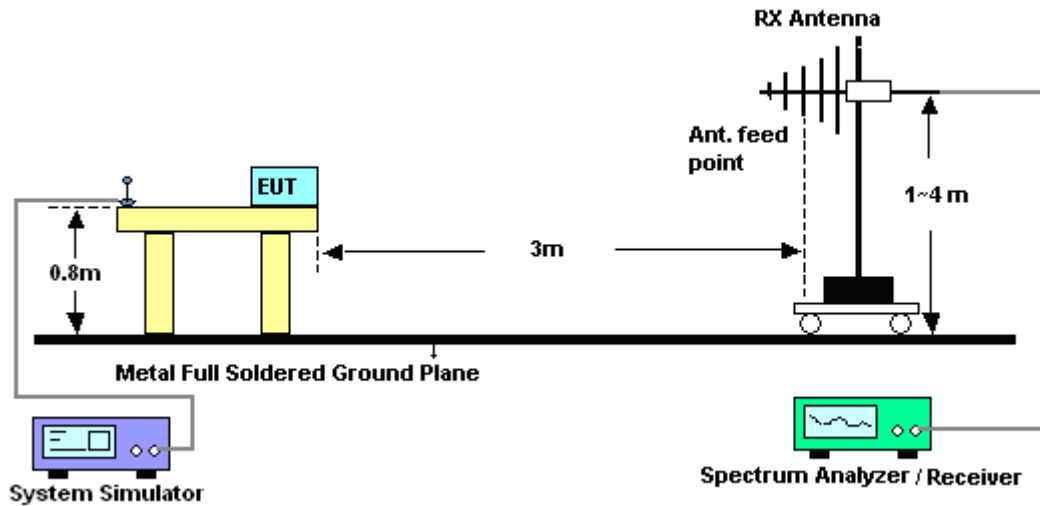
Refer a test equipment and calibration data table in this test report.

3.2.3. Test Procedures

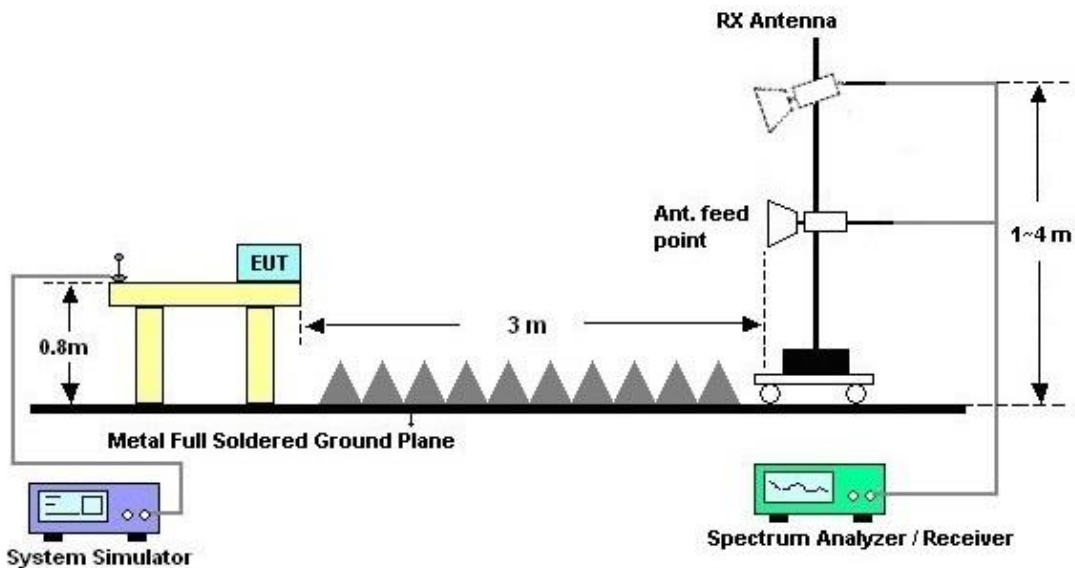
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna 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	Jun. 12, 2019~ Jun. 13, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Nov. 12, 2018	Jun. 12, 2019~ Jun. 13, 2019	Nov. 11, 2019	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Mar. 19, 2019	Jun. 12, 2019~ Jun. 13, 2019	Mar. 18, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Jun. 12, 2019~ Jun. 13, 2019	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Jun. 12, 2019~ Jun. 13, 2019	Nov. 08, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jun. 12, 2019~ Jun. 13, 2019	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Dec. 31, 2018	Jun. 12, 2019~ Jun. 13, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Dec. 31, 2018	Jun. 12, 2019~ Jun. 13, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Oct. 23, 2018	Jun. 07, 2019~ Jun. 10, 2019	Oct. 22, 2019	Radiation (03CH10-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	35413&02	30MHz~1GHz	Feb. 12, 2019	Jun. 07, 2019~ Jun. 10, 2019	Feb. 11, 2020	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-132 5	1GHz ~ 18GHz	Oct. 02, 2018	Jun. 07, 2019~ Jun. 10, 2019	Oct. 01, 2019	Radiation (03CH10-HY)
Preamplifier	Jet-Power	JAP00101800 -30-10P	160118550 004	1GHz~18GHz	Apr. 16, 2019	Jun. 07, 2019~ Jun. 10, 2019	Apr. 15, 2020	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY542004 85	10Hz ~ 44GHz	Nov. 02, 2018	Jun. 07, 2019~ Jun. 10, 2019	Nov. 01, 2019	Radiation (03CH10-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Jun. 07, 2019~ Jun. 10, 2019	N/A	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500- B	N/A	1~4m	N/A	Jun. 07, 2019~ Jun. 10, 2019	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	Jun. 07, 2019~ Jun. 10, 2019	N/A	Radiation (03CH10-HY)
Software	Audix	E3 6.2009-8-24	RK-00104 2	N/A	N/A	Jun. 07, 2019~ Jun. 10, 2019	N/A	Radiation (03CH10-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY541300 85	20Hz ~ 8.4GHz	Jan. 19, 2019	Jun. 07, 2019~ Jun. 10, 2019	Jan. 20, 2020	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	Jun. 07, 2019~ Jun. 10, 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	Jun. 07, 2019~ Jun. 10, 2019	Nov. 07, 2019	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Oct. 16, 2018	Jun. 07, 2019~ Jun. 10, 2019	Oct. 15, 2019	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30M~40GHz	Oct. 16, 2018	Jun. 07, 2019~ Jun. 10, 2019	Oct. 15, 2019	Radiation (03CH10-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Dec. 05, 2018	Jun. 07, 2019~ Jun. 10, 2019	Dec. 04, 2019	Radiation (03CH10-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 06, 2018	Jun. 07, 2019~ Jun. 10, 2019	Dec. 05, 2019	Radiation (03CH10-HY)
Filter	Microwave	H1G013G1	SN477215	1.0G High Pass	Nov. 02, 2018	Jun. 07, 2019~ Jun. 10, 2019	Nov. 01, 2019	Radiation (03CH10-HY)
Filter	Wainwright	WLKS1200-8SS	SN3	1.2G Low Pass	Nov. 02, 2018	Jun. 07, 2019~ Jun. 10, 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)

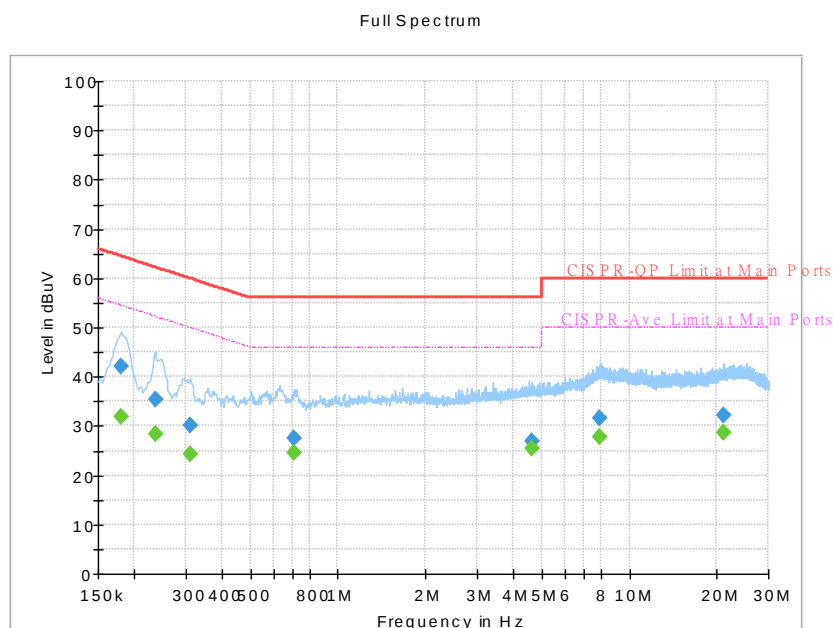
Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.60
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

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

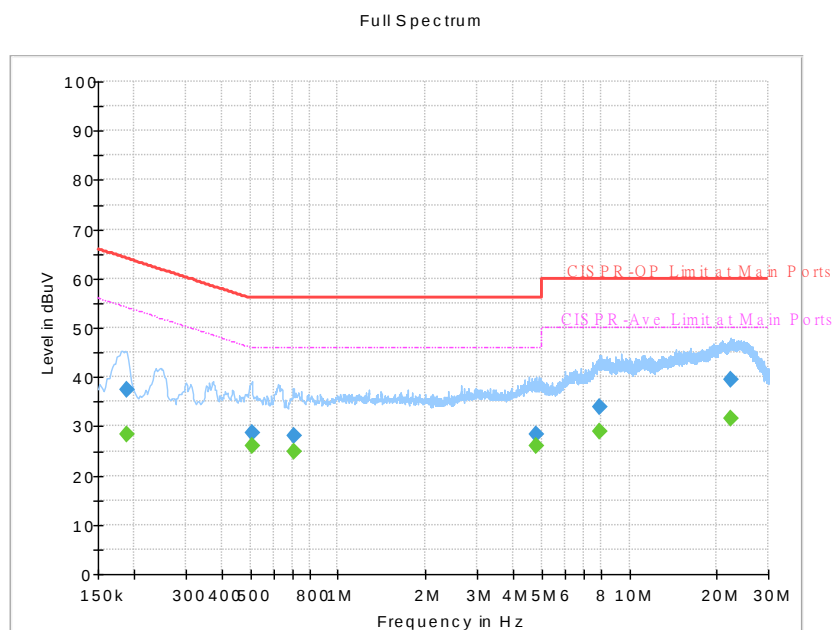
Test Mode :	Mode 1	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.179250	---	31.98	54.52	22.54	L1	OFF	19.5
0.179250	42.21	---	64.52	22.31	L1	OFF	19.5
0.235500	---	28.43	52.25	23.82	L1	OFF	19.5
0.235500	35.51	---	62.25	26.74	L1	OFF	19.5
0.312000	---	24.38	49.92	25.54	L1	OFF	19.5
0.312000	30.01	---	59.92	29.91	L1	OFF	19.5
0.710250	---	24.44	46.00	21.56	L1	OFF	19.6
0.710250	27.48	---	56.00	28.52	L1	OFF	19.6
4.605000	---	25.44	46.00	20.56	L1	OFF	19.7
4.605000	26.88	---	56.00	29.12	L1	OFF	19.7
7.921500	---	27.63	50.00	22.37	L1	OFF	19.8
7.921500	31.46	---	60.00	28.54	L1	OFF	19.8
21.090750	---	28.74	50.00	21.26	L1	OFF	20.3
21.090750	32.23	---	60.00	27.77	L1	OFF	20.3

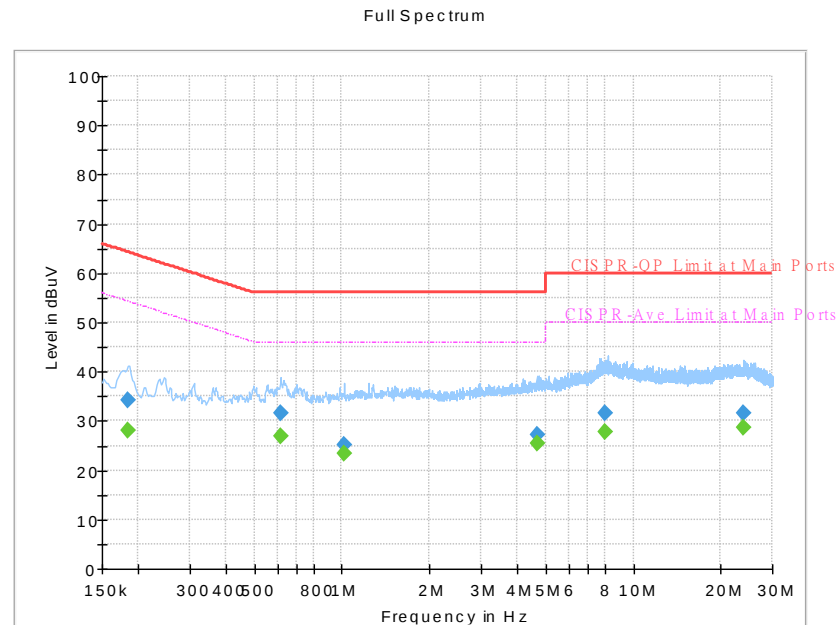
Test Mode :	Mode 1	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.188250	---	28.47	54.11	25.64	N	OFF	19.5
0.188250	37.52	---	64.11	26.59	N	OFF	19.5
0.505500	---	25.92	46.00	20.08	N	OFF	19.5
0.505500	28.59	---	56.00	27.41	N	OFF	19.5
0.705750	---	24.91	46.00	21.09	N	OFF	19.6
0.705750	28.03	---	56.00	27.97	N	OFF	19.6
4.805250	---	26.04	46.00	19.96	N	OFF	19.7
4.805250	28.38	---	56.00	27.62	N	OFF	19.7
7.867500	---	28.89	50.00	21.11	N	OFF	19.8
7.867500	34.04	---	60.00	25.96	N	OFF	19.8
22.310250	---	31.55	50.00	18.45	N	OFF	20.4
22.310250	39.58	---	60.00	20.42	N	OFF	20.4

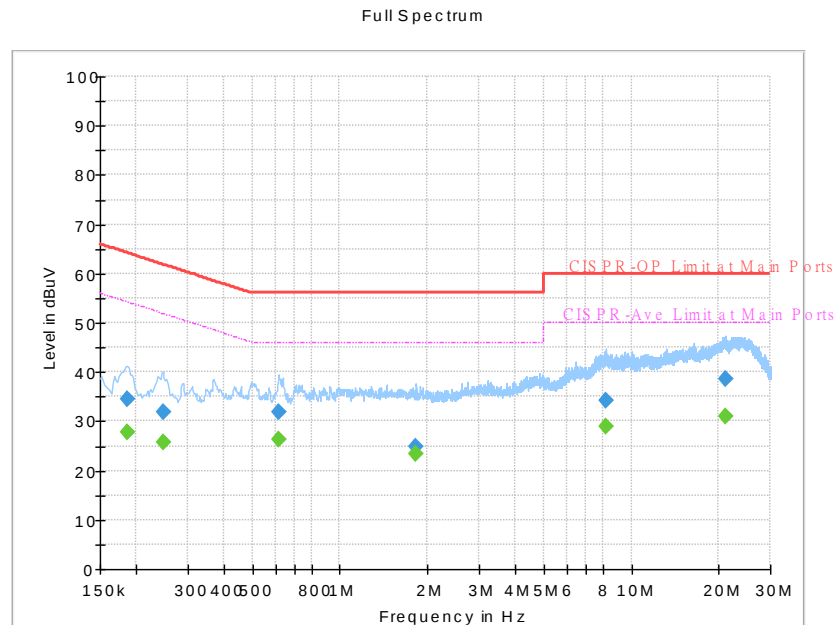
Test Mode :	Mode 2	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.183750	---	27.93	54.31	26.38	L1	OFF	19.5
0.183750	34.07	---	64.31	30.24	L1	OFF	19.5
0.615750	---	26.85	46.00	19.15	L1	OFF	19.6
0.615750	31.67	---	56.00	24.33	L1	OFF	19.6
1.018500	---	23.53	46.00	22.47	L1	OFF	19.6
1.018500	25.16	---	56.00	30.84	L1	OFF	19.6
4.656750	---	25.48	46.00	20.52	L1	OFF	19.7
4.656750	27.06	---	56.00	28.94	L1	OFF	19.7
8.031750	---	27.64	50.00	22.36	L1	OFF	19.8
8.031750	31.51	---	60.00	28.49	L1	OFF	19.8
23.768250	---	28.73	50.00	21.27	L1	OFF	20.3
23.768250	31.71	---	60.00	28.29	L1	OFF	20.3

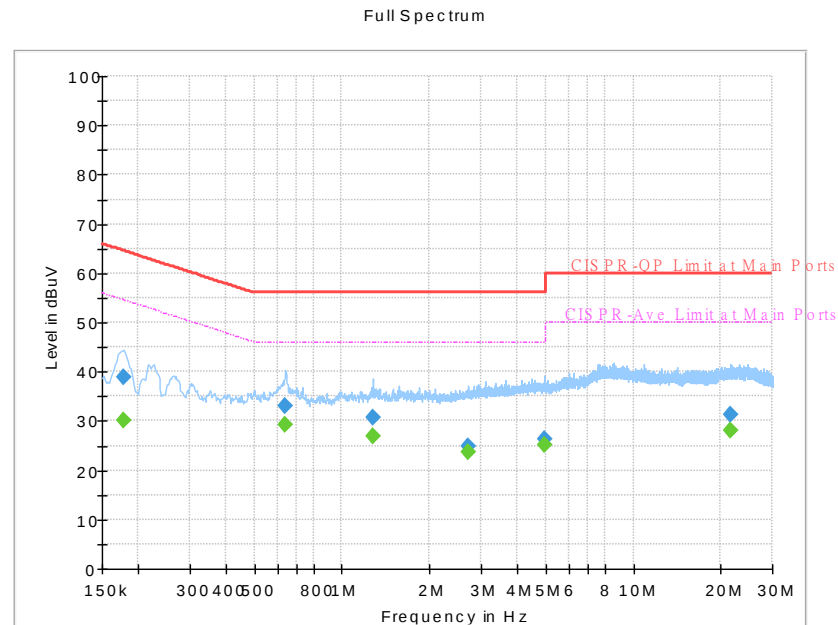
Test Mode :	Mode 2	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.186000	---	27.72	54.21	26.49	N	OFF	19.5
0.186000	34.62	---	64.21	29.59	N	OFF	19.5
0.246750	---	25.66	51.87	26.21	N	OFF	19.5
0.246750	31.78	---	61.87	30.09	N	OFF	19.5
0.615750	---	26.46	46.00	19.54	N	OFF	19.6
0.615750	32.01	---	56.00	23.99	N	OFF	19.6
1.828500	---	23.51	46.00	22.49	N	OFF	19.6
1.828500	24.94	---	56.00	31.06	N	OFF	19.6
8.193750	---	29.05	50.00	20.95	N	OFF	19.8
8.193750	34.13	---	60.00	25.87	N	OFF	19.8
21.003000	---	30.97	50.00	19.03	N	OFF	20.4
21.003000	38.72	---	60.00	21.28	N	OFF	20.4

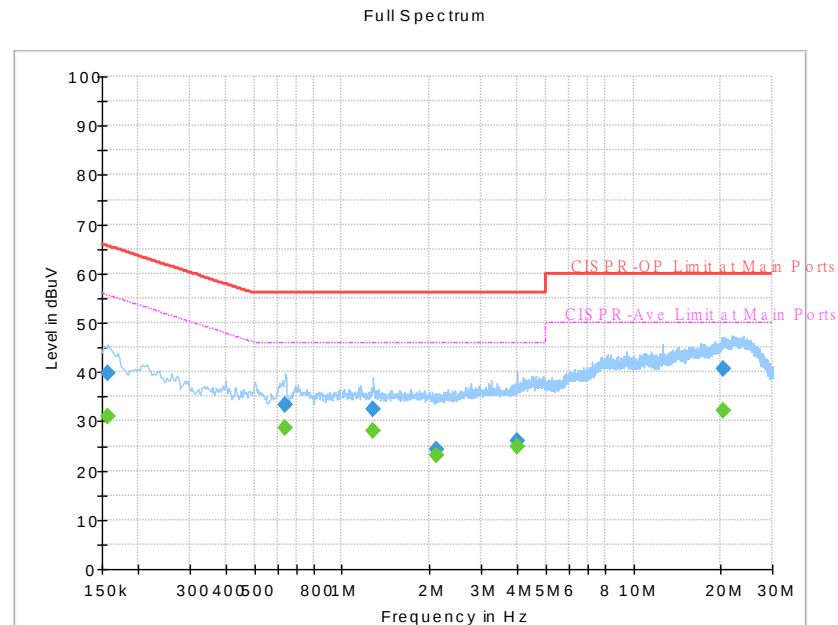
Test Mode :	Mode 3	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

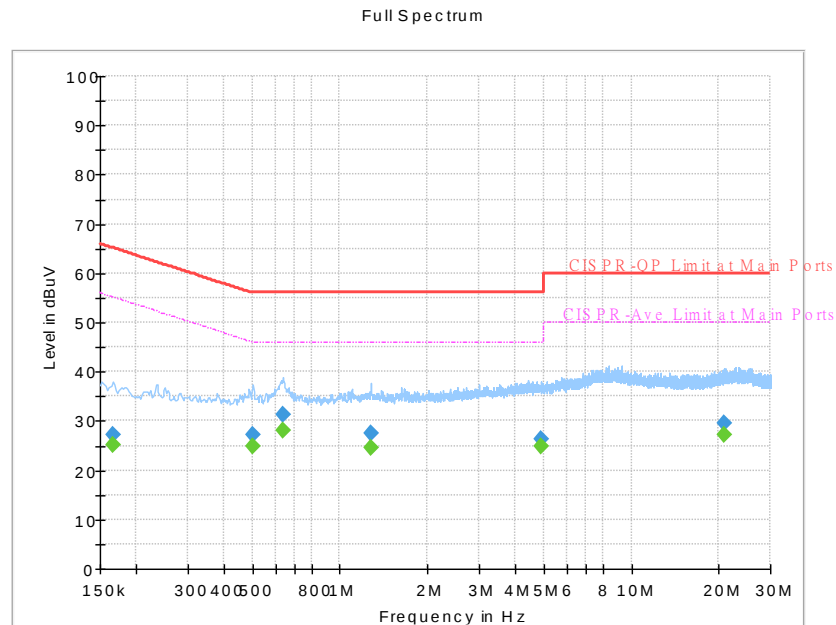
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.177000	---	30.04	54.63	24.59	L1	OFF	19.5
0.177000	38.76	---	64.63	25.87	L1	OFF	19.5
0.640500	---	29.18	46.00	16.82	L1	OFF	19.6
0.640500	32.91	---	56.00	23.09	L1	OFF	19.6
1.279500	---	26.92	46.00	19.08	L1	OFF	19.6
1.279500	30.74	---	56.00	25.26	L1	OFF	19.6
2.706000	---	23.76	46.00	22.24	L1	OFF	19.6
2.706000	24.91	---	56.00	31.09	L1	OFF	19.6
4.938000	---	25.15	46.00	20.85	L1	OFF	19.7
4.938000	26.45	---	56.00	29.55	L1	OFF	19.7
21.527250	---	28.15	50.00	21.85	L1	OFF	20.3
21.527250	31.30	---	60.00	28.70	L1	OFF	20.3

Test Mode :	Mode 3	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	30.86	55.63	24.77	N	OFF	19.5
0.156750	39.75	---	65.63	25.88	N	OFF	19.5
0.640500	---	28.74	46.00	17.26	N	OFF	19.6
0.640500	33.25	---	56.00	22.75	N	OFF	19.6
1.279500	---	28.13	46.00	17.87	N	OFF	19.6
1.279500	32.53	---	56.00	23.47	N	OFF	19.6
2.100750	---	23.13	46.00	22.87	N	OFF	19.4
2.100750	24.27	---	56.00	31.73	N	OFF	19.4
3.988500	---	24.74	46.00	21.26	N	OFF	19.7
3.988500	26.09	---	56.00	29.91	N	OFF	19.7
20.352750	---	32.03	50.00	17.97	N	OFF	20.3
20.352750	40.55	---	60.00	19.45	N	OFF	20.3

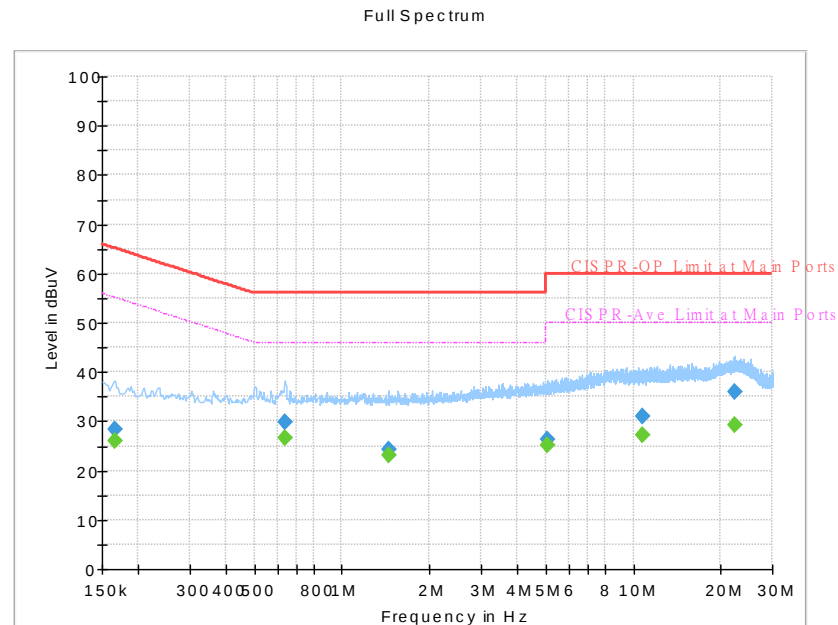
Test Mode :	Mode 4	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.165750	---	25.24	55.17	29.93	L1	OFF	19.5
0.165750	27.15	---	65.17	38.02	L1	OFF	19.5
0.503250	---	24.87	46.00	21.13	L1	OFF	19.5
0.503250	27.27	---	56.00	28.73	L1	OFF	19.5
0.638250	---	28.04	46.00	17.96	L1	OFF	19.6
0.638250	31.23	---	56.00	24.77	L1	OFF	19.6
1.277250	---	24.69	46.00	21.31	L1	OFF	19.6
1.277250	27.51	---	56.00	28.49	L1	OFF	19.6
4.913250	---	24.98	46.00	21.02	L1	OFF	19.7
4.913250	26.25	---	56.00	29.75	L1	OFF	19.7
20.825250	---	27.11	50.00	22.89	L1	OFF	20.3
20.825250	29.57	---	60.00	30.43	L1	OFF	20.3

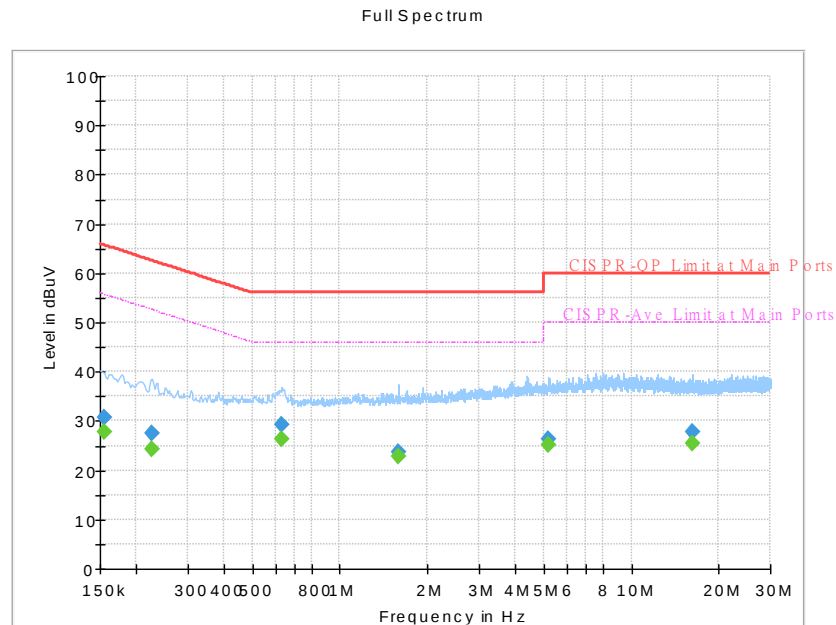
Test Mode :	Mode 4	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.165750	---	25.95	55.17	29.22	N	OFF	19.5
0.165750	28.33	---	65.17	36.84	N	OFF	19.5
0.638250	---	26.47	46.00	19.53	N	OFF	19.6
0.638250	29.96	---	56.00	26.04	N	OFF	19.6
1.443750	---	23.02	46.00	22.98	N	OFF	19.6
1.443750	24.13	---	56.00	31.87	N	OFF	19.6
5.048250	---	25.05	50.00	24.95	N	OFF	19.7
5.048250	26.43	---	60.00	33.57	N	OFF	19.7
10.799250	---	27.25	50.00	22.75	N	OFF	20.0
10.799250	31.03	---	60.00	28.97	N	OFF	20.0
22.222500	---	29.23	50.00	20.77	N	OFF	20.4
22.222500	36.09	---	60.00	23.91	N	OFF	20.4

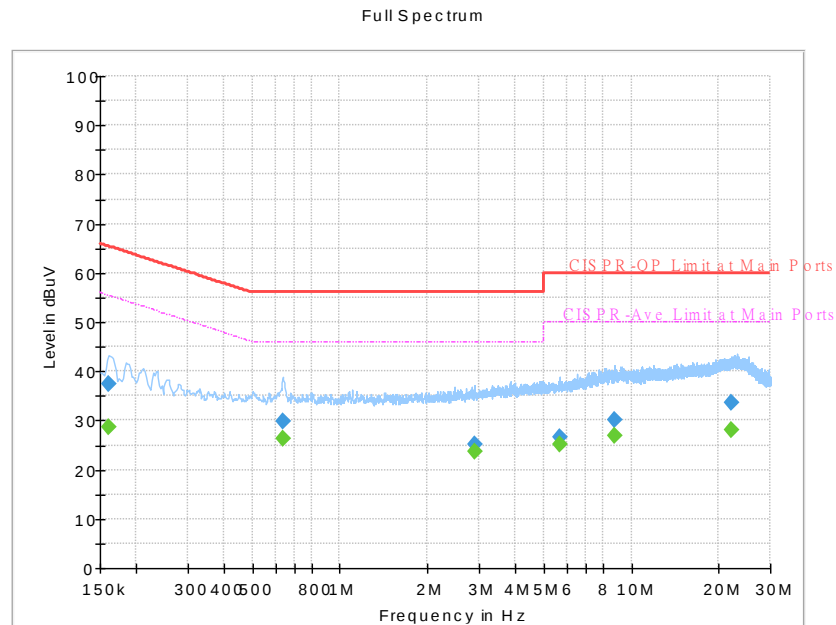
Test Mode :	Mode 5	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154500	---	27.89	55.75	27.86	L1	OFF	19.5
0.154500	30.78	---	65.75	34.97	L1	OFF	19.5
0.226500	---	24.30	52.58	28.28	L1	OFF	19.5
0.226500	27.60	---	62.58	34.98	L1	OFF	19.5
0.631500	---	26.22	46.00	19.78	L1	OFF	19.6
0.631500	29.25	---	56.00	26.75	L1	OFF	19.6
1.585500	---	22.81	46.00	23.19	L1	OFF	19.6
1.585500	23.76	---	56.00	32.24	L1	OFF	19.6
5.181000	---	25.11	50.00	24.89	L1	OFF	19.7
5.181000	26.33	---	60.00	33.67	L1	OFF	19.7
16.165500	---	25.54	50.00	24.46	L1	OFF	20.1
16.165500	27.69	---	60.00	32.31	L1	OFF	20.1

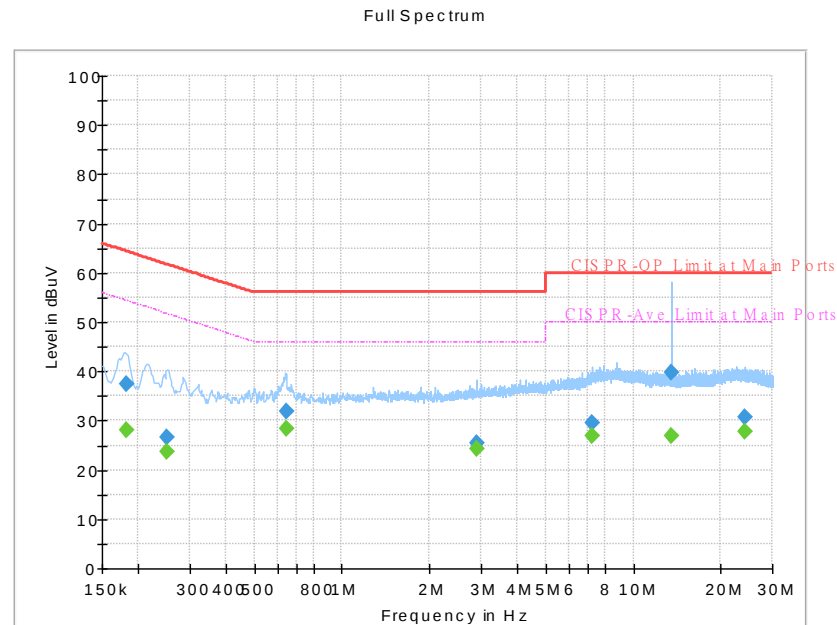
Test Mode :	Mode 5	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	28.74	55.40	26.66	N	OFF	19.5
0.161250	37.32	---	65.40	28.08	N	OFF	19.5
0.636000	---	26.29	46.00	19.71	N	OFF	19.6
0.636000	29.78	---	56.00	26.22	N	OFF	19.6
2.888250	---	23.78	46.00	22.22	N	OFF	19.6
2.888250	25.07	---	56.00	30.93	N	OFF	19.6
5.676000	---	25.20	50.00	24.80	N	OFF	19.7
5.676000	26.57	---	60.00	33.43	N	OFF	19.7
8.772000	---	26.90	50.00	23.10	N	OFF	19.9
8.772000	30.01	---	60.00	29.99	N	OFF	19.9
21.972750	---	27.97	50.00	22.03	N	OFF	20.4
21.972750	33.73	---	60.00	26.27	N	OFF	20.4

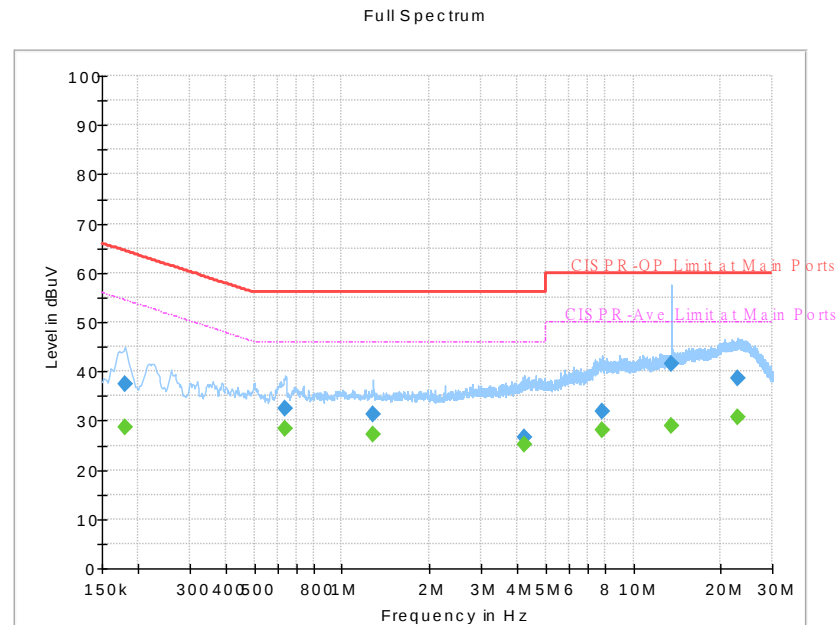
Test Mode :	Mode 6	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.181500	---	28.05	54.42	26.37	L1	OFF	19.5
0.181500	37.51	---	64.42	26.91	L1	OFF	19.5
0.251250	---	23.80	51.72	27.92	L1	OFF	19.5
0.251250	26.62	---	61.72	35.10	L1	OFF	19.5
0.642750	---	28.43	46.00	17.57	L1	OFF	19.6
0.642750	31.77	---	56.00	24.23	L1	OFF	19.6
2.901750	---	24.13	46.00	21.87	L1	OFF	19.6
2.901750	25.47	---	56.00	30.53	L1	OFF	19.6
7.255500	---	26.82	50.00	23.18	L1	OFF	19.8
7.255500	29.50	---	60.00	30.50	L1	OFF	19.8
13.560000	---	26.86	50.00	23.14	L1	OFF	20.0
13.560000	39.69	---	60.00	20.31	L1	OFF	20.0
24.074250	---	27.89	50.00	22.11	L1	OFF	20.3
24.074250	30.75	---	60.00	29.25	L1	OFF	20.3

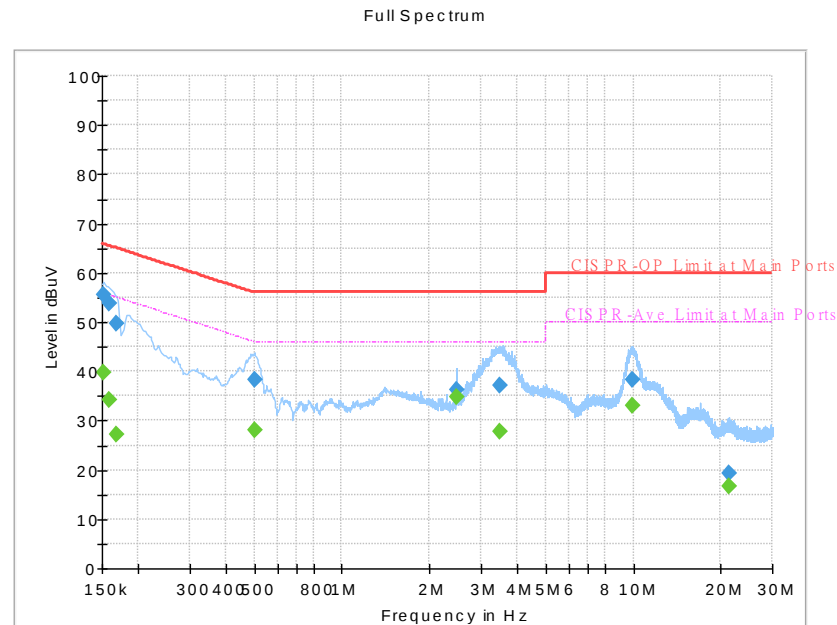
Test Mode :	Mode 6	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.179250	---	28.76	54.52	25.76	N	OFF	19.5
0.179250	37.50	---	64.52	27.02	N	OFF	19.5
0.640500	---	28.23	46.00	17.77	N	OFF	19.6
0.640500	32.51	---	56.00	23.49	N	OFF	19.6
1.279500	---	27.13	46.00	18.87	N	OFF	19.6
1.279500	31.25	---	56.00	24.75	N	OFF	19.6
4.236000	---	25.12	46.00	20.88	N	OFF	19.7
4.236000	26.66	---	56.00	29.34	N	OFF	19.7
7.849500	---	27.97	50.00	22.03	N	OFF	19.8
7.849500	31.81	---	60.00	28.19	N	OFF	19.8
13.560000	---	28.86	50.00	21.14	N	OFF	20.1
13.560000	41.62	---	60.00	18.38	N	OFF	20.1
22.751250	---	30.68	50.00	19.32	N	OFF	20.4
22.751250	38.45	---	60.00	21.55	N	OFF	20.4

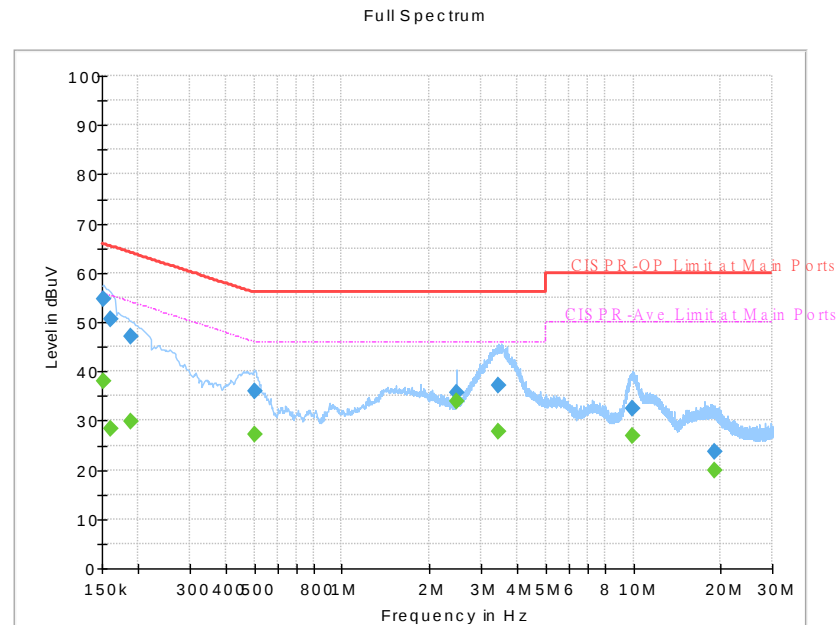
Test Mode :	Mode 7	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency	QuasiPeak	CAverage	Limit	Margin	Line	Filter	Corr.
0.152250	---	39.66	55.88	16.22	L1	OFF	19.5
0.152250	55.60	---	65.88	10.28	L1	OFF	19.5
0.159000	---	34.20	55.52	21.32	L1	OFF	19.5
0.159000	53.67	---	65.52	11.85	L1	OFF	19.5
0.168000	---	27.09	55.06	27.97	L1	OFF	19.5
0.168000	49.80	---	65.06	15.26	L1	OFF	19.5
0.501000	---	28.03	46.00	17.97	L1	OFF	19.5
0.501000	38.36	---	56.00	17.64	L1	OFF	19.5
2.476500	---	34.92	46.00	11.08	L1	OFF	19.5
2.476500	36.28	---	56.00	19.72	L1	OFF	19.5
3.484500	---	27.76	46.00	18.24	L1	OFF	19.6
3.484500	37.13	---	56.00	18.87	L1	OFF	19.6
9.897000	---	32.99	50.00	17.01	L1	OFF	19.7
9.897000	38.37	---	60.00	21.63	L1	OFF	19.7
21.196500	---	16.56	50.00	33.44	L1	OFF	19.8
21.196500	19.37	---	60.00	40.63	L1	OFF	19.8

Test Mode :	Mode 7	Temperature :	24~26°C
Test Engineer :	Jimmy Chang	Relative Humidity :	53~55%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

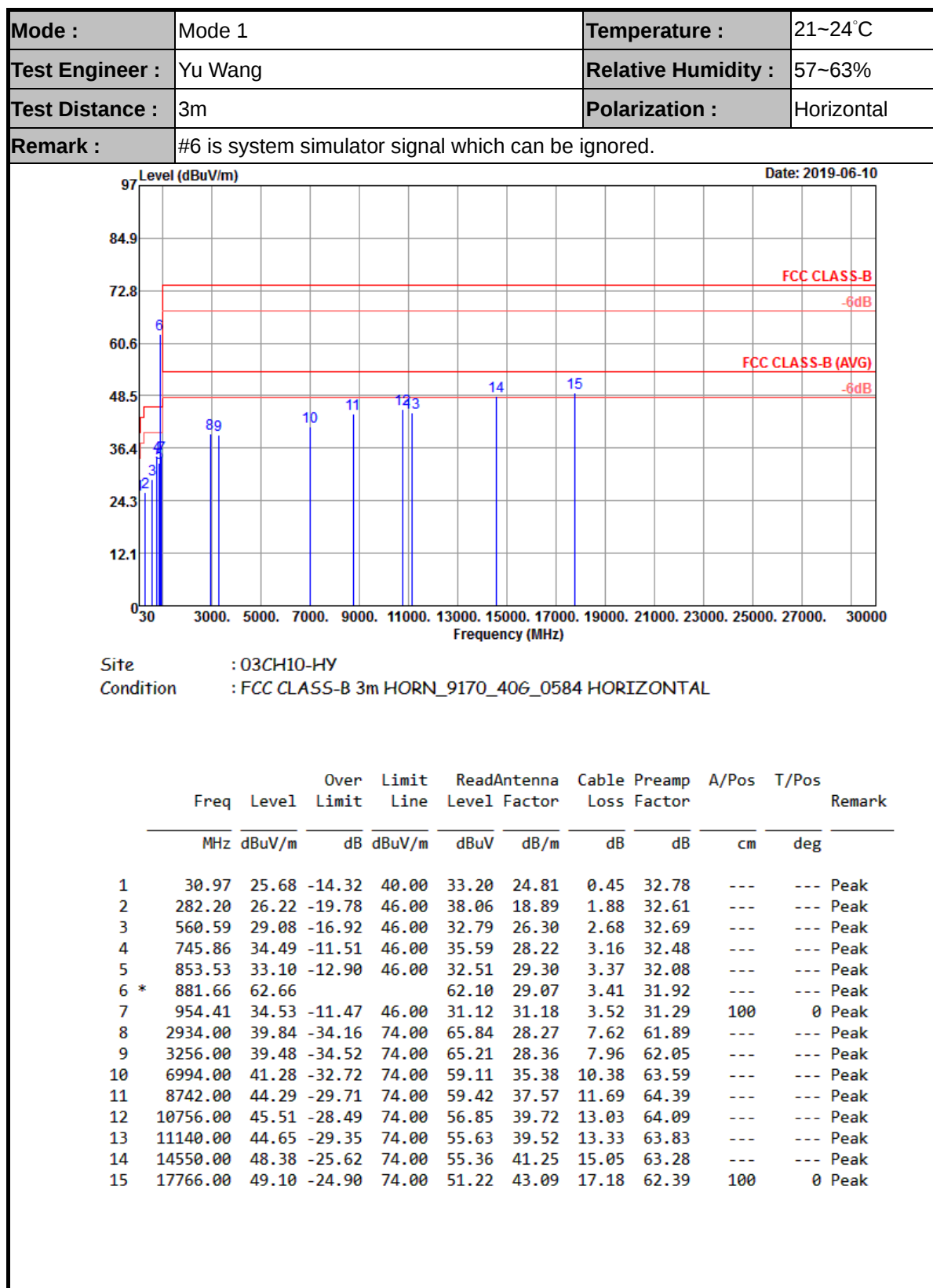


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	38.09	55.88	17.79	N	OFF	19.5
0.152250	54.81	---	65.88	11.07	N	OFF	19.5
0.161250	---	28.35	55.40	27.05	N	OFF	19.5
0.161250	50.72	---	65.40	14.68	N	OFF	19.5
0.188250	---	29.96	54.11	24.15	N	OFF	19.5
0.188250	47.15	---	64.11	16.96	N	OFF	19.5
0.503250	---	27.30	46.00	18.70	N	OFF	19.5
0.503250	35.96	---	56.00	20.04	N	OFF	19.5
2.476500	---	33.99	46.00	12.01	N	OFF	19.5
2.476500	35.69	---	56.00	20.31	N	OFF	19.5
3.462000	---	27.64	46.00	18.36	N	OFF	19.6
3.462000	37.28	---	56.00	18.72	N	OFF	19.6
9.978000	---	26.83	50.00	23.17	N	OFF	19.7
9.978000	32.33	---	60.00	27.67	N	OFF	19.7
18.971250	---	19.87	50.00	30.13	N	OFF	19.9
18.971250	23.81	---	60.00	36.19	N	OFF	19.9

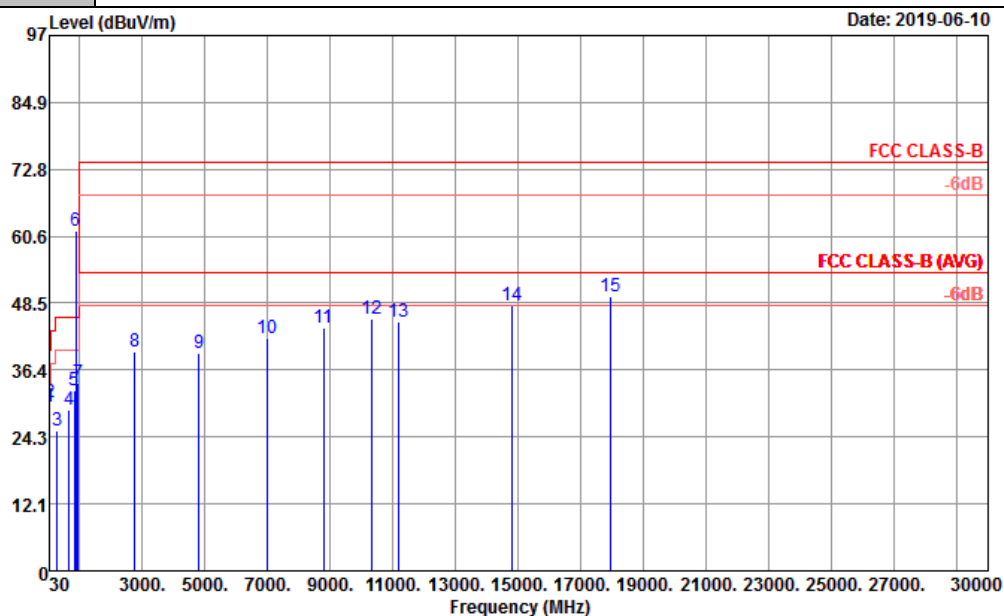


Appendix B. Radiated Emission Test Result





Mode :	Mode 1	Temperature :	21~24°C
Test Engineer :	Yu Wang	Relative Humidity :	57~63%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		



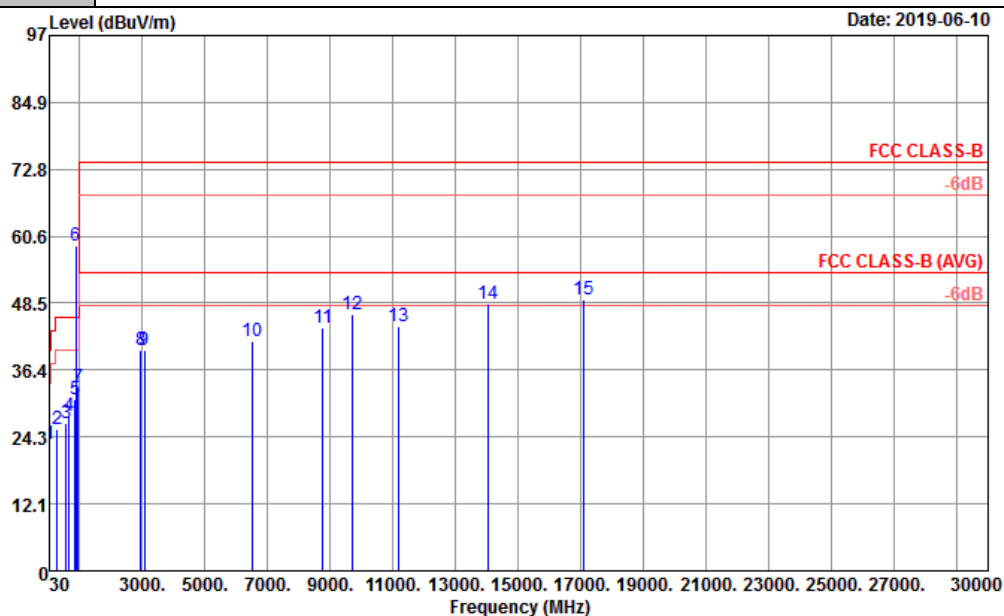
Site : 03CH10-HY

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	dB	cm	deg
1	30.00	29.67	-10.33	40.00	36.70	25.30	0.45	32.78	---	---
2	39.70	30.40	-9.60	40.00	42.81	19.81	0.55	32.77	100	0
3	282.20	25.33	-20.67	46.00	37.17	18.89	1.88	32.61	---	---
4	667.29	29.23	-16.77	46.00	32.35	26.50	3.00	32.62	---	---
5	838.01	32.63	-13.37	46.00	32.57	28.88	3.34	32.16	---	---
6 *	881.66	61.48			60.92	29.07	3.41	31.92	---	---
7	949.56	34.03	-11.97	46.00	30.89	30.96	3.51	31.33	---	---
8	2756.00	39.77	-34.23	74.00	66.51	27.81	7.30	61.85	---	---
9	4796.00	39.51	-34.49	74.00	62.20	31.11	8.50	62.30	---	---
10	6982.00	42.20	-31.80	74.00	60.06	35.33	10.39	63.58	---	---
11	8792.00	43.97	-30.03	74.00	58.96	37.68	11.78	64.45	---	---
12	10302.00	45.65	-28.35	74.00	58.31	39.21	12.69	64.56	---	---
13	11190.00	45.16	-28.84	74.00	56.21	39.42	13.37	63.84	---	---
14	14796.00	48.07	-25.93	74.00	54.96	41.11	15.18	63.18	---	---
15	17958.00	49.64	-24.36	74.00	47.94	46.69	17.33	62.32	100	0



Mode :	Mode 2	Temperature :	21~24°C
Test Engineer :	Yu Wang	Relative Humidity :	57~63%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		



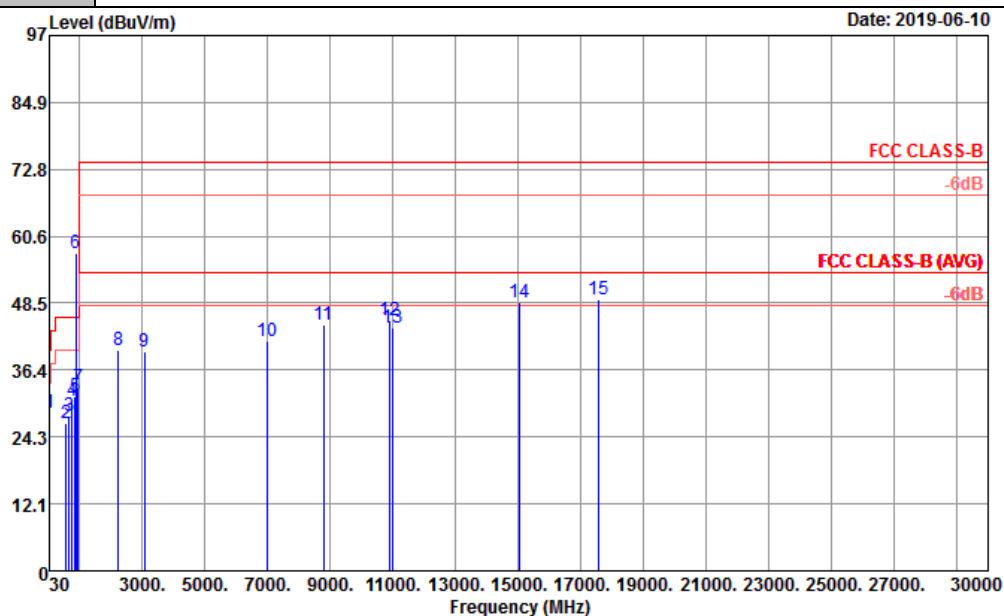
Site : 03CH10-HY

Condition : FCC CLASS-B 3m HORN_9170_406_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	dB	cm	deg	
1	30.00	22.87	-17.13	40.00	29.90	25.30	0.45	32.78	---	---	Peak
2	282.20	25.69	-20.31	46.00	37.53	18.89	1.88	32.61	---	---	Peak
3	558.65	26.77	-19.23	46.00	30.59	26.19	2.68	32.69	---	---	Peak
4	668.26	28.19	-17.81	46.00	31.31	26.50	3.00	32.62	---	---	Peak
5	843.83	31.16	-14.84	46.00	30.79	29.15	3.35	32.13	---	---	Peak
6 *	881.66	59.03			58.47	29.07	3.41	31.92	---	---	Peak
7	958.29	33.32	-12.68	46.00	29.77	31.27	3.53	31.25	100	0	Peak
8	2948.00	40.07	-33.93	74.00	66.01	28.30	7.65	61.89	---	---	Peak
9	3056.00	40.05	-33.95	74.00	65.66	28.52	7.80	61.93	---	---	Peak
10	6504.00	41.49	-32.51	74.00	60.18	34.21	10.10	63.00	---	---	Peak
11	8766.00	44.12	-29.88	74.00	59.18	37.63	11.73	64.42	---	---	Peak
12	9686.00	46.36	-27.64	74.00	60.37	38.60	12.13	64.74	---	---	Peak
13	11192.00	44.29	-29.71	74.00	55.34	39.42	13.37	63.84	---	---	Peak
14	14034.00	48.39	-25.61	74.00	55.98	40.84	14.78	63.21	---	---	Peak
15	17106.00	49.18	-24.82	74.00	55.67	39.81	16.67	62.97	100	0	Peak



Mode :	Mode 2	Temperature :	21~24°C
Test Engineer :	Yu Wang	Relative Humidity :	57~63%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		



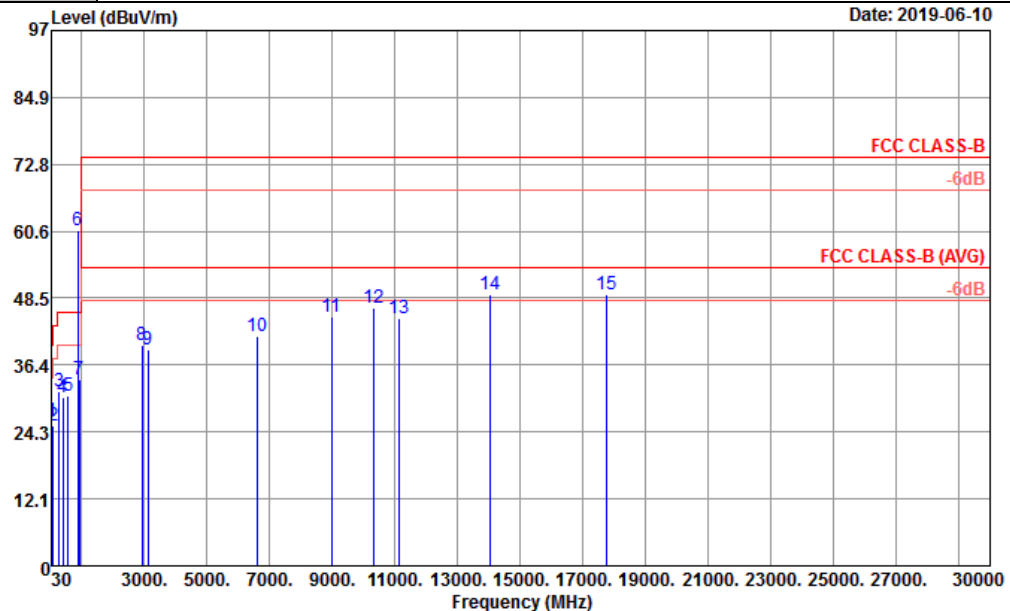
Site : 03CH10-HY

Condition : FCC CLASS-B 3m HORN_9170_40G_0584 VERTICAL

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	39.70	28.73	-11.27	40.00	41.14	19.81	0.55	32.77	100	0 Peak	
2	561.56	26.78	-19.22	46.00	30.49	26.30	2.68	32.69	---	---	Peak
3	659.53	28.17	-17.83	46.00	31.31	26.50	2.99	32.63	---	---	Peak
4	759.44	30.77	-15.23	46.00	31.74	28.30	3.18	32.45	---	---	Peak
5	859.35	31.52	-14.48	46.00	30.97	29.21	3.38	32.04	---	---	Peak
6 *	881.66	57.45			56.89	29.07	3.41	31.92	---	---	Peak
7	958.29	33.16	-12.84	46.00	29.61	31.27	3.53	31.25	---	---	Peak
8	2230.00	39.94	-34.06	74.00	67.31	27.84	6.54	61.75	---	---	Peak
9	3078.00	39.66	-34.34	74.00	65.18	28.61	7.82	61.95	---	---	Peak
10	6994.00	41.48	-32.52	74.00	59.31	35.38	10.38	63.59	---	---	Peak
11	8794.00	44.65	-29.35	74.00	59.63	37.69	11.78	64.45	---	---	Peak
12	10884.00	45.49	-28.51	74.00	56.32	39.98	13.13	63.94	---	---	Peak
13	11000.00	44.03	-29.97	74.00	54.51	40.10	13.22	63.80	---	---	Peak
14	15042.00	48.58	-25.42	74.00	55.93	40.43	15.31	63.09	---	---	Peak
15	17550.00	49.25	-24.75	74.00	53.17	41.55	17.01	62.48	100	0 Peak	



Mode :	Mode 3	Temperature :	21~24°C
Test Engineer :	Yu Wang	Relative Humidity :	57~63%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		



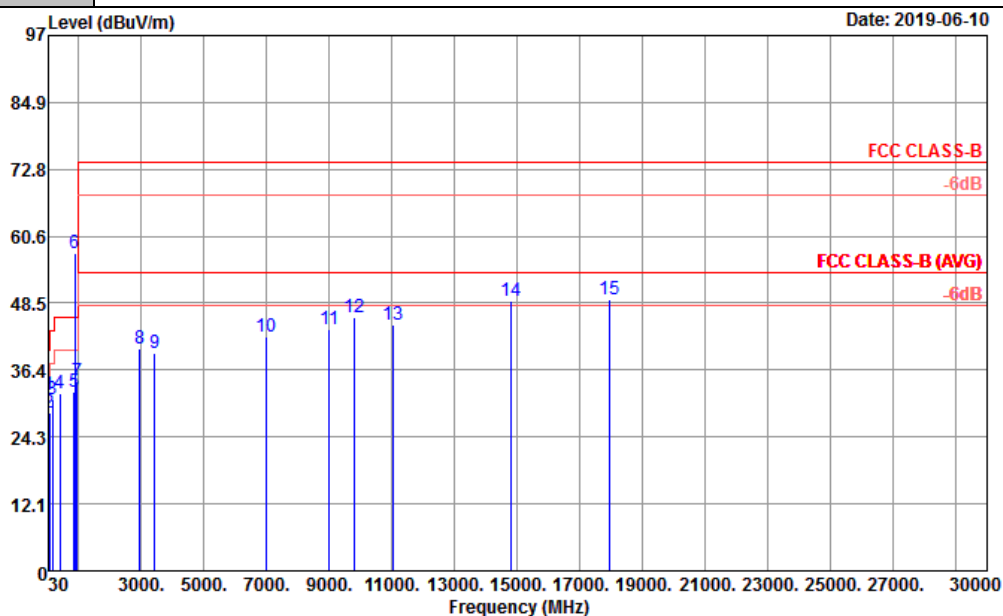
Site : 03CH10-HY

Condition : FCC CLASS-B 3m HORN_9170_406_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	dB	cm	deg	
1	30.00	26.18	-13.82	40.00	33.21	25.30	0.45	32.78	---	---	Peak
2	87.23	25.36	-14.64	40.00	42.63	14.42	1.00	32.69	---	---	Peak
3	282.20	31.53	-14.47	46.00	43.37	18.89	1.88	32.61	---	---	Peak
4	393.75	30.56	-15.44	46.00	39.30	21.65	2.23	32.62	---	---	Peak
5	560.59	30.68	-15.32	46.00	34.39	26.30	2.68	32.69	---	---	Peak
6 *	879.72	60.74			60.15	29.11	3.41	31.93	---	---	Peak
7	930.16	33.80	-12.20	46.00	32.13	29.71	3.48	31.52	100	0	Peak
8	2916.00	39.88	-34.12	74.00	65.95	28.23	7.58	61.88	---	---	Peak
9	3118.00	39.07	-34.93	74.00	64.49	28.70	7.85	61.97	---	---	Peak
10	6590.00	41.74	-32.26	74.00	60.23	34.38	10.24	63.11	---	---	Peak
11	8982.00	45.14	-28.86	74.00	60.62	37.36	11.84	64.68	---	---	Peak
12	10308.00	46.80	-27.20	74.00	59.43	39.23	12.69	64.55	---	---	Peak
13	11132.00	44.82	-29.18	74.00	55.79	39.54	13.32	63.83	---	---	Peak
14	14034.00	49.06	-24.94	74.00	56.65	40.84	14.78	63.21	---	---	Peak
15	17766.00	49.07	-24.93	74.00	51.19	43.09	17.18	62.39	100	0	Peak



Mode :	Mode 3	Temperature :	21~24°C
Test Engineer :	Yu Wang	Relative Humidity :	57~63%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		



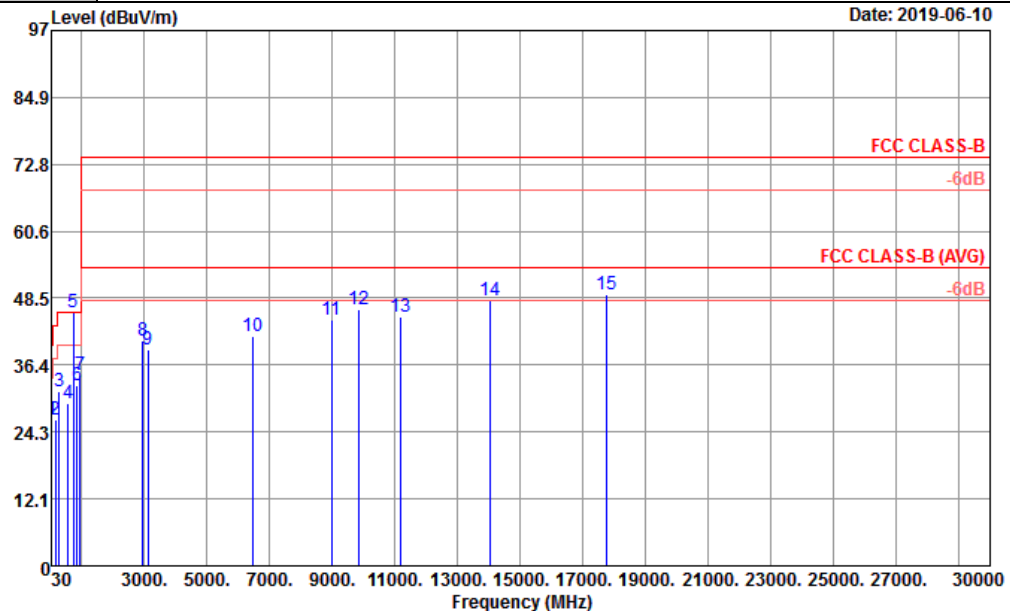
Site : 03CH10-HY

Condition : FCC CLASS-B 3m HORN_9170_40G_0584 VERTICAL

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	39.70	31.95	-8.05	40.00	44.36	19.81	0.55	32.77	100	0 Peak	
2	62.98	28.57	-11.43	40.00	48.62	11.90	0.78	32.73	---	---	Peak
3	156.10	30.94	-12.56	43.50	44.75	17.50	1.32	32.63	---	---	Peak
4	397.63	32.06	-13.94	46.00	40.67	21.75	2.26	32.62	---	---	Peak
5	840.92	32.50	-13.50	46.00	32.25	29.04	3.35	32.14	---	---	Peak
6 *	883.60	57.46			56.93	29.03	3.41	31.91	---	---	Peak
7	953.44	34.20	-11.80	46.00	30.84	31.14	3.52	31.30	---	---	Peak
8	2950.00	40.33	-33.67	74.00	66.27	28.30	7.65	61.89	---	---	Peak
9	3426.00	39.47	-34.53	74.00	65.38	28.15	8.10	62.16	---	---	Peak
10	6982.00	42.39	-31.61	74.00	60.25	35.33	10.39	63.58	---	---	Peak
11	8992.00	43.85	-30.15	74.00	59.31	37.38	11.85	64.69	---	---	Peak
12	9806.00	45.94	-28.06	74.00	59.68	38.84	12.18	64.76	---	---	Peak
13	11036.00	44.57	-29.43	74.00	55.21	39.92	13.25	63.81	---	---	Peak
14	14796.00	48.81	-25.19	74.00	55.70	41.11	15.18	63.18	---	---	Peak
15	17958.00	49.27	-24.73	74.00	47.57	46.69	17.33	62.32	100	0 Peak	



Mode :	Mode 4	Temperature :	21~24°C
Test Engineer :	Yu Wang	Relative Humidity :	57~63%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#5 is system simulator signal which can be ignored.		



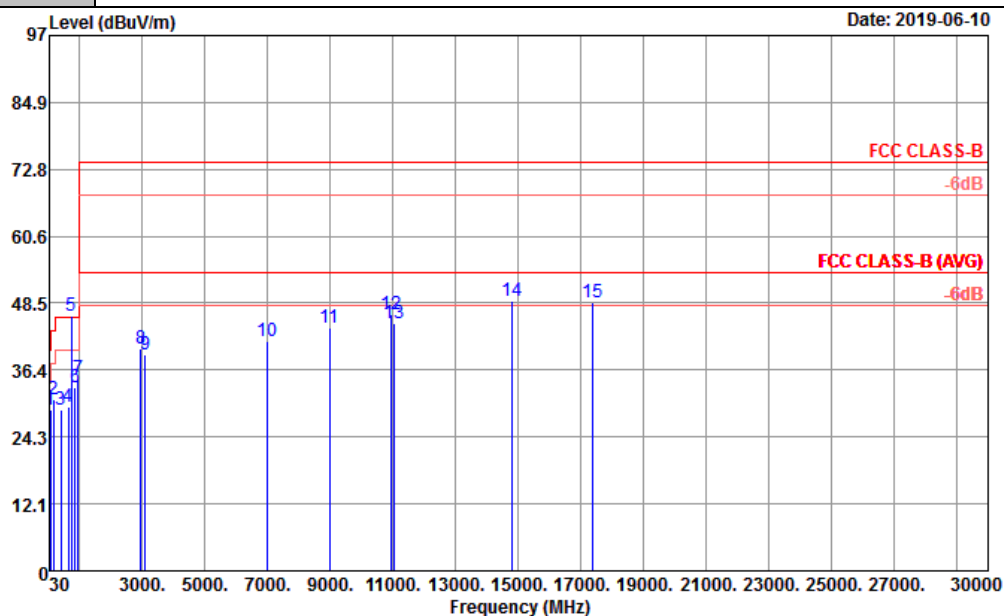
Site : 03CH10-HY

Condition : FCC CLASS-B 3m HORN_9170_406_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	dB	cm	deg	
1	30.00	26.36	-13.64	40.00	33.39	25.30	0.45	32.78	---	---	Peak
2	159.01	26.58	-16.92	43.50	41.27	16.60	1.33	32.62	---	---	Peak
3	282.20	31.61	-14.39	46.00	43.45	18.89	1.88	32.61	---	---	Peak
4	573.20	29.34	-16.66	46.00	33.29	26.04	2.71	32.70	---	---	Peak
5 *	739.07	46.01			47.30	28.06	3.14	32.49	---	---	Peak
6	847.71	32.70	-13.30	46.00	32.20	29.25	3.36	32.11	---	---	Peak
7	952.47	34.47	-11.53	46.00	31.16	31.10	3.52	31.31	100	0	Peak
8	2938.00	40.73	-33.27	74.00	66.71	28.28	7.63	61.89	---	---	Peak
9	3106.00	39.27	-34.73	74.00	64.69	28.70	7.84	61.96	---	---	Peak
10	6442.00	41.64	-32.36	74.00	60.76	33.87	10.00	62.99	---	---	Peak
11	8986.00	44.54	-29.46	74.00	60.00	37.37	11.85	64.68	---	---	Peak
12	9844.00	46.52	-27.48	74.00	60.00	39.06	12.23	64.77	---	---	Peak
13	11160.00	45.13	-28.87	74.00	56.14	39.48	13.34	63.83	---	---	Peak
14	14034.00	48.15	-25.85	74.00	55.74	40.84	14.78	63.21	---	---	Peak
15	17766.00	49.10	-24.90	74.00	51.22	43.09	17.18	62.39	100	0	Peak



Mode :	Mode 4	Temperature :	21~24°C
Test Engineer :	Yu Wang	Relative Humidity :	57~63%
Test Distance :	3m	Polarization :	Vertical
Remark :	#5 is system simulator signal which can be ignored.		



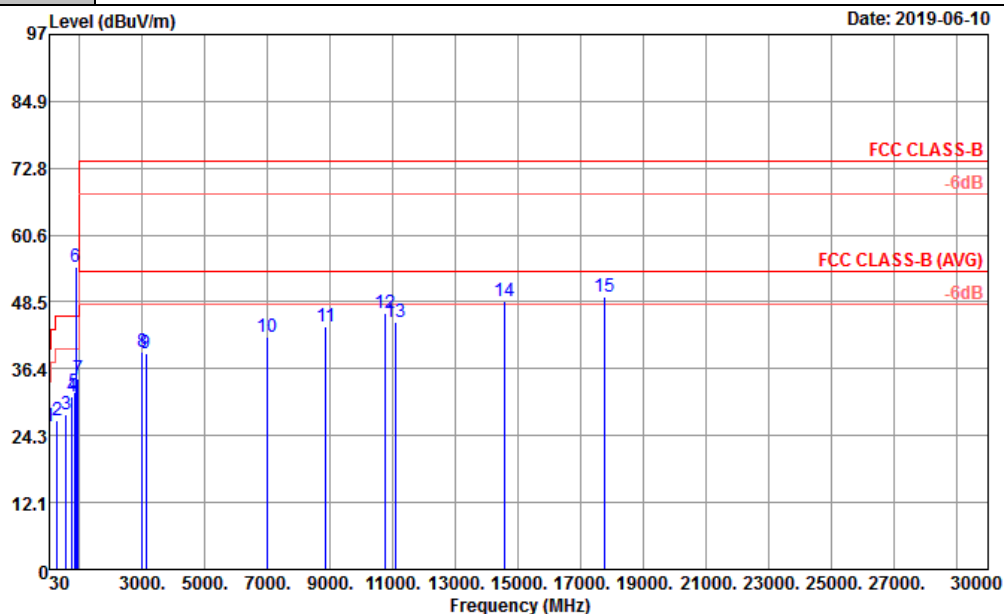
Site : 03CH10-HY

Condition : FCC CLASS-B 3m HORN_9170_40G_0584 VERTICAL

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	64.92	29.05	-10.95	40.00	48.95	12.01	0.82	32.73	100	0 Peak	
2	171.62	30.95	-12.55	43.50	46.61	15.54	1.41	32.61	---	---	Peak
3	398.60	29.18	-16.82	46.00	37.77	21.77	2.26	32.62	---	---	Peak
4	632.37	29.63	-16.37	46.00	32.85	26.55	2.90	32.67	---	---	Peak
5 *	741.01	46.22			47.45	28.12	3.14	32.49	---	---	Peak
6	860.32	33.15	-12.85	46.00	32.61	29.20	3.38	32.04	---	---	Peak
7	941.80	34.86	-11.14	46.00	32.36	30.41	3.50	31.41	---	---	Peak
8	2950.00	40.30	-33.70	74.00	66.24	28.30	7.65	61.89	---	---	Peak
9	3088.00	39.15	-34.85	74.00	64.62	28.65	7.83	61.95	---	---	Peak
10	6988.00	41.55	-32.45	74.00	59.40	35.35	10.39	63.59	---	---	Peak
11	8978.00	44.03	-29.97	74.00	59.50	37.36	11.84	64.67	---	---	Peak
12	10960.00	46.54	-27.46	74.00	57.14	40.06	13.19	63.85	---	---	Peak
13	11018.00	44.74	-29.26	74.00	55.30	40.01	13.23	63.80	---	---	Peak
14	14796.00	48.81	-25.19	74.00	55.70	41.11	15.18	63.18	100	0 Peak	
15	17358.00	48.63	-25.37	74.00	53.88	40.56	16.86	62.67	---	---	Peak



Mode :	Mode 5	Temperature :	21~24°C
Test Engineer :	Yu Wang	Relative Humidity :	57~63%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		



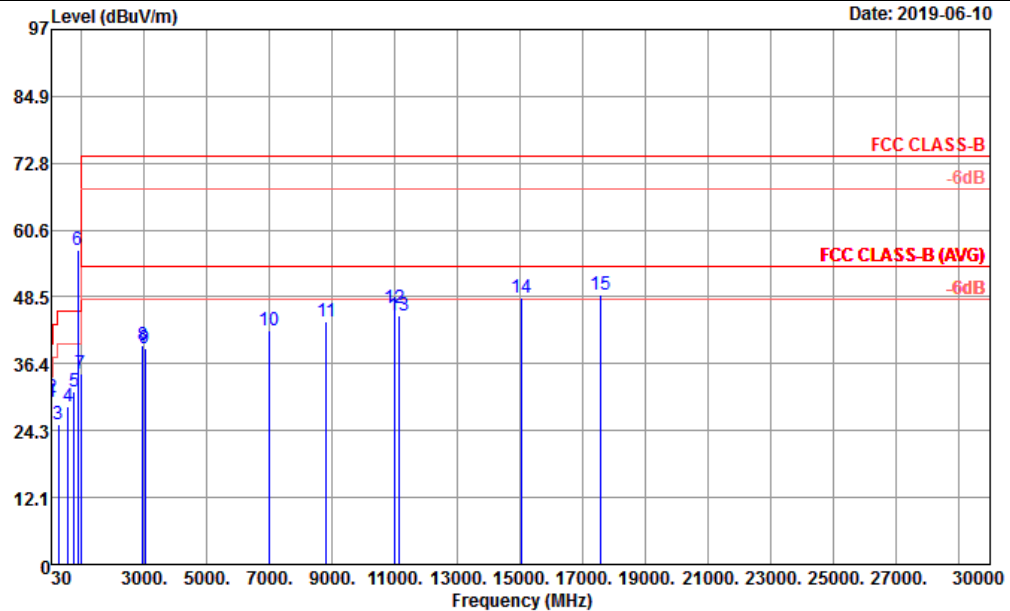
Site : 03CH10-HY

Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamplifier Loss	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.00	25.88	-14.12	40.00	32.91	25.30	0.45	32.78	---	---	Peak
2	282.20	27.01	-18.99	46.00	38.85	18.89	1.88	32.61	---	---	Peak
3	577.08	28.20	-17.80	46.00	32.23	25.96	2.71	32.70	---	---	Peak
4	759.44	31.27	-14.73	46.00	32.24	28.30	3.18	32.45	---	---	Peak
5	829.28	32.11	-13.89	46.00	32.54	28.46	3.32	32.21	---	---	Peak
6 *	873.90	54.82			54.18	29.20	3.40	31.96	---	---	Peak
7	958.29	34.64	-11.36	46.00	31.09	31.27	3.53	31.25	100	0	Peak
8	2986.00	39.58	-34.42	74.00	65.38	28.37	7.73	61.90	---	---	Peak
9	3108.00	39.27	-34.73	74.00	64.69	28.70	7.84	61.96	---	---	Peak
10	6994.00	42.04	-31.96	74.00	59.87	35.38	10.38	63.59	---	---	Peak
11	8856.00	43.98	-30.02	74.00	59.02	37.68	11.81	64.53	---	---	Peak
12	10732.00	46.50	-27.50	74.00	57.97	39.63	13.02	64.12	---	---	Peak
13	11080.00	44.76	-29.24	74.00	55.60	39.70	13.28	63.82	---	---	Peak
14	14550.00	48.54	-25.46	74.00	55.52	41.25	15.05	63.28	---	---	Peak
15	17766.00	49.39	-24.61	74.00	51.51	43.09	17.18	62.39	100	0	Peak



Mode :	Mode 5	Temperature :	21~24°C
Test Engineer :	Yu Wang	Relative Humidity :	57~63%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		

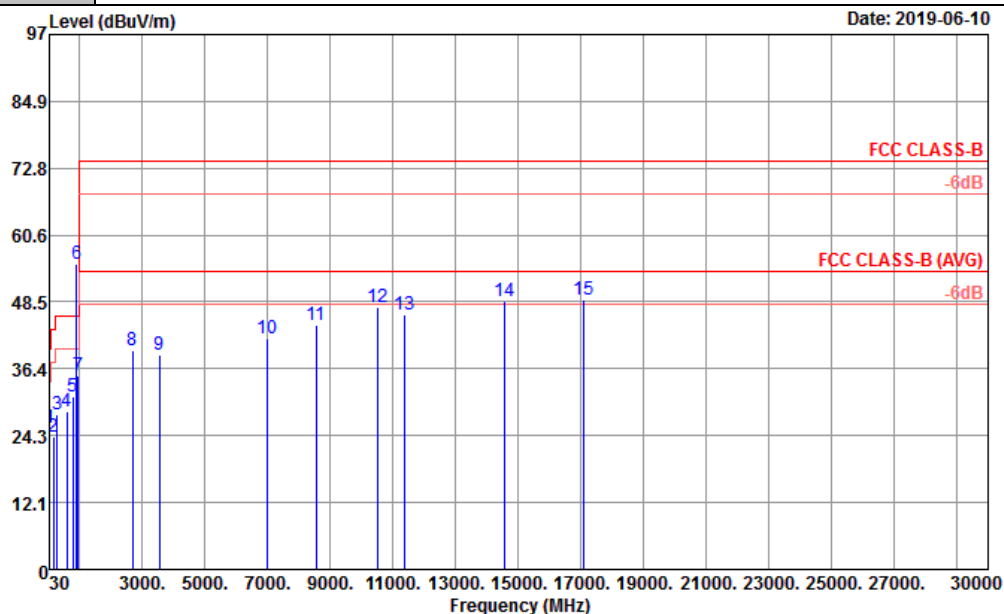


Site : 03CH10-HY
Condition : FCC CLASS-B 3m HORN_9170_40G_0584 VERTICAL

	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	dB	cm	deg
1	30.00	29.46	-10.54	40.00	36.49	25.30	0.45	32.78	---	Peak
2	39.70	30.29	-9.71	40.00	42.70	19.81	0.55	32.77	100	0 Peak
3	259.89	25.50	-20.50	46.00	36.32	19.98	1.80	32.60	---	Peak
4	572.23	28.77	-17.23	46.00	32.71	26.06	2.70	32.70	---	Peak
5	751.68	31.22	-14.78	46.00	32.22	28.30	3.17	32.47	---	Peak
6 *	873.90	56.95			56.31	29.20	3.40	31.96	---	Peak
7	959.26	34.57	-11.43	46.00	30.99	31.29	3.53	31.24	---	Peak
8	2938.00	39.62	-34.38	74.00	65.60	28.28	7.63	61.89	---	Peak
9	3014.00	39.16	-34.84	74.00	64.87	28.43	7.77	61.91	---	Peak
10	6994.00	42.32	-31.68	74.00	60.15	35.38	10.38	63.59	---	Peak
11	8802.00	44.06	-29.94	74.00	59.03	37.70	11.79	64.46	---	Peak
12	10972.00	46.46	-27.54	74.00	57.02	40.07	13.20	63.83	---	Peak
13	11152.00	45.07	-28.93	74.00	56.06	39.50	13.34	63.83	---	Peak
14	15042.00	48.34	-25.66	74.00	55.69	40.43	15.31	63.09	---	Peak
15	17550.00	48.97	-25.03	74.00	52.89	41.55	17.01	62.48	100	0 Peak



Mode :	Mode 6	Temperature :	21~24°C
Test Engineer :	Yu Wang	Relative Humidity :	57~63%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		



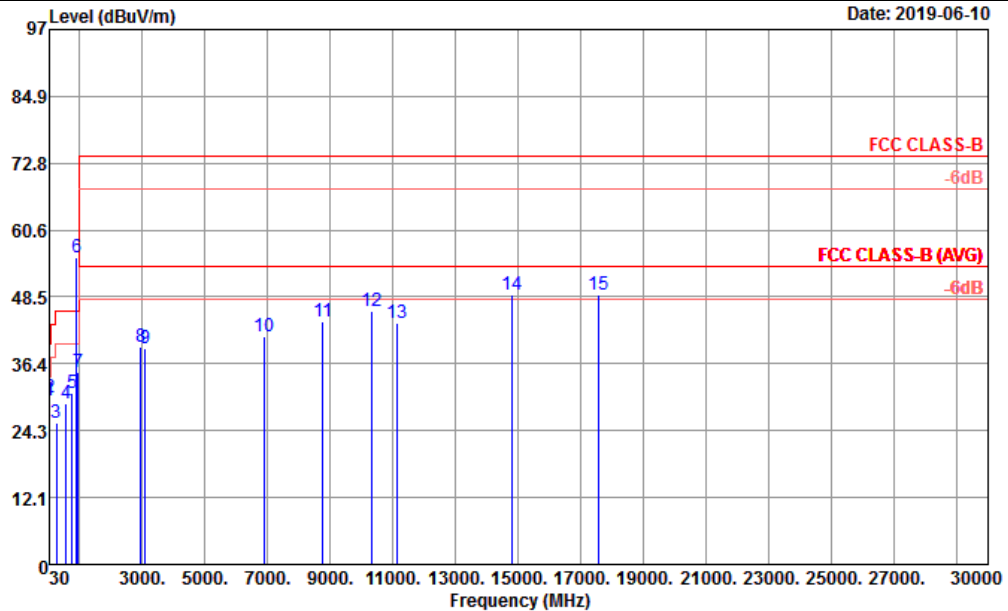
Site : 03CH10-HY

Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL

	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	30.00	25.73	-14.27	40.00	32.76	25.30	0.45	32.78	---	---	Peak
2	156.10	23.99	-19.51	43.50	37.80	17.50	1.32	32.63	---	---	Peak
3	282.20	28.01	-17.99	46.00	39.85	18.89	1.88	32.61	---	---	Peak
4	594.54	28.55	-17.45	46.00	32.81	25.71	2.75	32.72	---	---	Peak
5	773.99	31.21	-14.79	46.00	32.05	28.38	3.20	32.42	---	---	Peak
6 *	889.42	55.41			54.96	28.91	3.42	31.88	---	---	Peak
7	957.32	35.10	-10.90	46.00	31.58	31.25	3.53	31.26	100	0	Peak
8	2678.00	39.80	-34.20	74.00	66.84	27.56	7.24	61.84	---	---	Peak
9	3536.00	39.03	-34.97	74.00	64.41	28.72	8.11	62.21	---	---	Peak
10	6984.00	41.75	-32.25	74.00	59.60	35.34	10.39	63.58	---	---	Peak
11	8554.00	44.30	-29.70	74.00	59.98	37.01	11.47	64.16	---	---	Peak
12	10512.00	47.61	-26.39	74.00	59.64	39.51	12.85	64.39	---	---	Peak
13	11378.00	46.20	-27.80	74.00	57.09	39.48	13.51	63.88	---	---	Peak
14	14550.00	48.51	-25.49	74.00	55.49	41.25	15.05	63.28	---	---	Peak
15	17106.00	49.02	-24.98	74.00	55.51	39.81	16.67	62.97	100	0	Peak



Mode :	Mode 6	Temperature :	21~24°C
Test Engineer :	Yu Wang	Relative Humidity :	57~63%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		



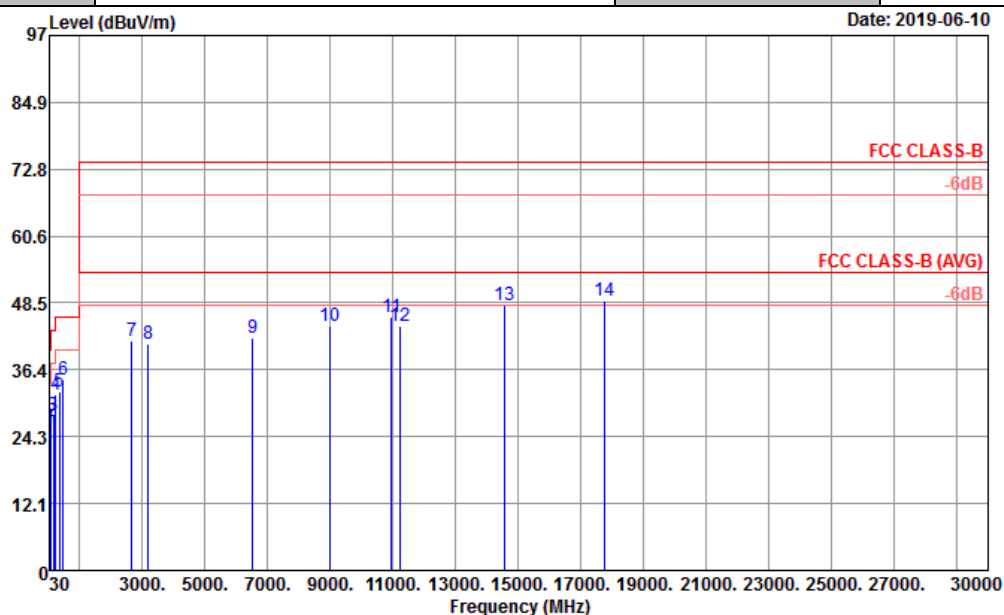
Site : 03CH10-HY

Condition : FCC CLASS-B 3m HORN_9170_40G_0584 VERTICAL

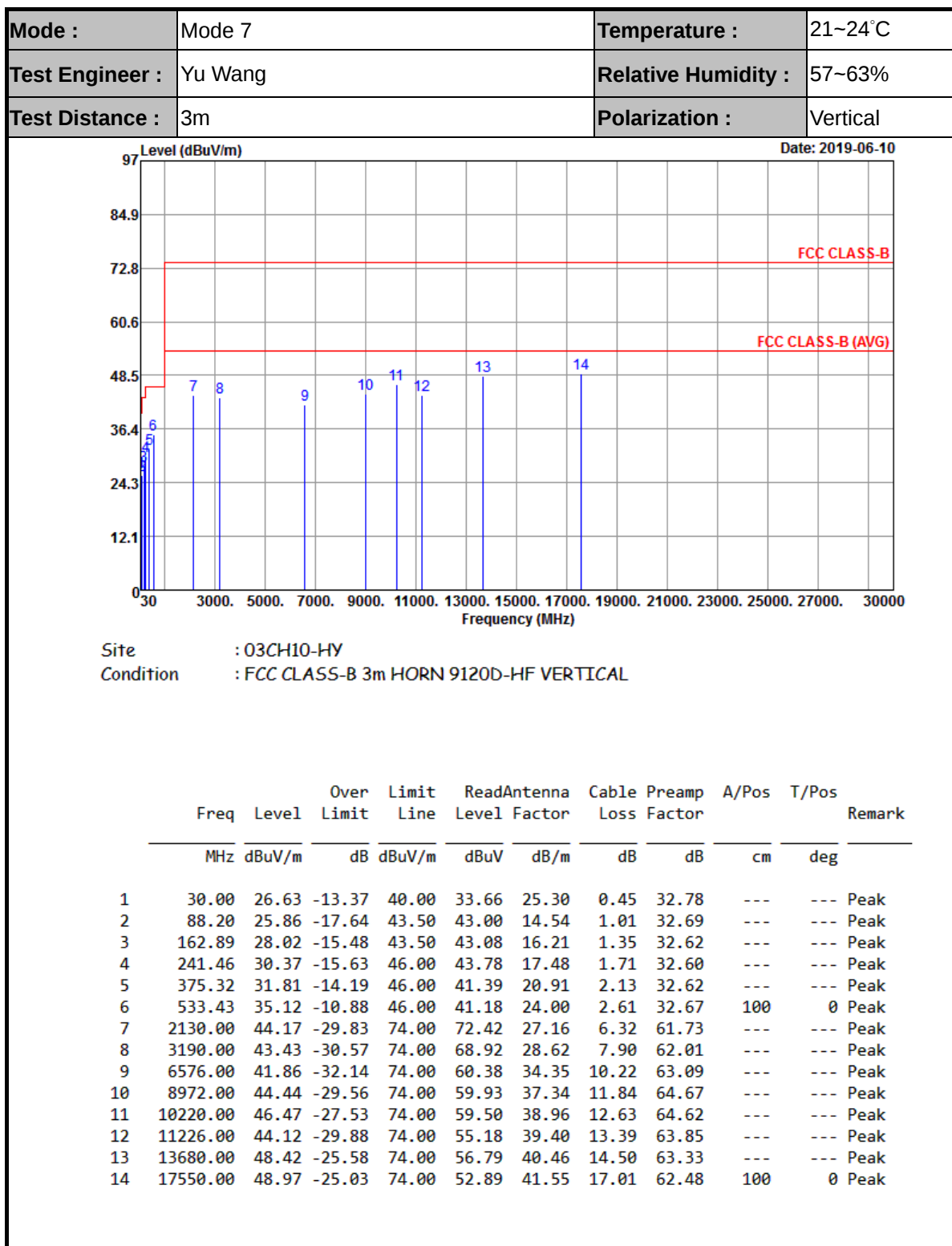
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.00	29.75	-10.25	40.00	36.78	25.30	0.45	32.78	---	---	Peak
2	39.70	30.32	-9.68	40.00	42.73	19.81	0.55	32.77	100	0	Peak
3	257.95	25.75	-20.25	46.00	36.89	19.67	1.79	32.60	---	---	Peak
4	575.14	29.07	-16.93	46.00	33.06	26.00	2.71	32.70	---	---	Peak
5	755.56	31.02	-14.98	46.00	32.00	28.30	3.18	32.46	---	---	Peak
6 *	889.42	55.61			55.16	28.91	3.42	31.88	---	---	Peak
7	958.29	34.92	-11.08	46.00	31.37	31.27	3.53	31.25	---	---	Peak
8	2940.00	39.49	-34.51	74.00	65.47	28.28	7.63	61.89	---	---	Peak
9	3086.00	39.27	-34.73	74.00	64.76	28.64	7.82	61.95	---	---	Peak
10	6882.00	41.41	-32.59	74.00	59.57	34.86	10.44	63.46	---	---	Peak
11	8760.00	44.10	-29.90	74.00	59.17	37.62	11.72	64.41	---	---	Peak
12	10336.00	45.94	-28.06	74.00	58.41	39.34	12.72	64.53	---	---	Peak
13	11152.00	43.73	-30.27	74.00	54.72	39.50	13.34	63.83	---	---	Peak
14	14796.00	48.81	-25.19	74.00	55.70	41.11	15.18	63.18	---	---	Peak
15	17550.00	48.83	-25.17	74.00	52.75	41.55	17.01	62.48	100	0	Peak



Mode :	Mode 7	Temperature :	21~24°C
Test Engineer :	Yu Wang	Relative Humidity :	57~63%
Test Distance :	3m	Polarization :	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	dB	cm	deg	
1	30.00	25.99	-14.01	40.00	33.02	25.30	0.45	32.78	---	---	Peak
2	88.20	26.99	-16.51	43.50	44.13	14.54	1.01	32.69	---	---	Peak
3	164.83	28.07	-15.43	43.50	43.31	16.02	1.36	32.62	---	---	Peak
4	240.49	31.76	-14.24	46.00	45.29	17.36	1.71	32.60	---	---	Peak
5	362.71	32.40	-13.60	46.00	42.26	20.70	2.06	32.62	---	---	Peak
6	463.59	34.70	-11.30	46.00	41.62	23.27	2.44	32.63	100	0	Peak
7	2660.00	41.73	-32.27	74.00	68.82	27.52	7.22	61.83	---	---	Peak
8	3196.00	41.01	-32.99	74.00	66.51	28.61	7.91	62.02	---	---	Peak
9	6526.00	42.23	-31.77	74.00	60.87	34.25	10.14	63.03	---	---	Peak
10	8986.00	44.31	-29.69	74.00	59.77	37.37	11.85	64.68	---	---	Peak
11	10948.00	45.84	-28.16	74.00	56.47	40.05	13.18	63.86	---	---	Peak
12	11216.00	44.43	-29.57	74.00	55.48	39.40	13.39	63.84	---	---	Peak
13	14550.00	48.14	-25.86	74.00	55.12	41.25	15.05	63.28	---	---	Peak
14	17766.00	48.99	-25.01	74.00	51.11	43.09	17.18	62.39	100	0	Peak



—THE END—