FCC EMI TEST REPORT

FCC ID	:	**U8G-P1AX02**
Equipment	:	**PEPWAVE / peplink Wireless Product**
Brand Name	:	**PEPWAVE / peplink**
Model Name	:	**MAX BR1 5G** **MAX-BR1-5GD-T** **MAX-BR1-5GH-T**
Applicant	:	**PISMO LABS TECHNOLOGY LIMITED** **A8, 5/F, HK Spinners Industrial Building, Phase 6, 481 Castle Peak Road, Cheung Sha Wan, Hong Kong**
Manufacturer	:	**PISMO LABS TECHNOLOGY LIMITED** **A8, 5/F, HK Spinners Industrial Building, Phase 6, 481 Castle Peak Road, Cheung Sha Wan, Hong Kong**
Standard	:	**FCC 47 CFR FCC Part 15 Subpart B Class A**

The product was received on Mar. 25, 2021 and testing was started from Apr. 12, 2021 and completed on Apr. 15, 2021. 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 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.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory
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FAX : 886-3-328-4978

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FC131219	01	Initial issue of report	May 13, 2021

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 21.46 dB at 14.647 MHz
3.2	15.109	Radiated Emission	Pass	Under limit 10.14 dB at 1000.000 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: Dara Chiu

Report Producer: Amy Chen

1. General Description

1.1. Product Feature of Equipment Under Test

WCDMA/LTE/5G NR, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, and GNSS.

Product Specification subjective to this standard	
Integrated WWAN Module 1	**Brand Name:** Sierra wireless **Model Name:** EM9191 **FCC ID:** N7NEM91
Integrated WWAN Module 2	**Brand Name:** THALES DIS AIS **Model Name:** MV31-W **FCC ID:** QIPMV31-W
Sample 1	EUT with WWAN module 1 (EM9191)
Sample 2	EUT with WWAN module 2 (MV31-W)
Antenna Type	WWAN: Omni-directional Antenna WLAN: Omni-directional Antenna GPS: directional Antenna

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.
2. The product will integrate the cellular module (MV31-W, EM9191). Among the 2 options, at a time only 1 cellular module will be installed), therefore the cellular module is incorporated into the host for Part 15B test. Equipment authorization to integrate the cellular module will follow the FCC modular approval policy and procedures.

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 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	CO05-HY, 03CH06-HY

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.30-2, Dingfu Vil., Linkou Dist., New Taipei City 244, Taiwan (R.O.C.) TEL: +886-2-2603-5367 / +886-2-2601-1640 FAX: +886-2-2601-1695
Test Site No.	**Sporton Site No.**
	OS04-LK

FCC designation No.: TW1093 and TW1095

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 Class A
- 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).

Test Items	Function Type
AC Conducted Emission	Mode 1: WCDMA Band V Idle + WLAN (2.4GHz) Link + LAN Link + WAN Link + GPS Rx + Adapter + SIM A for Sample 1 Mode 2: LTE Band 5 Idle + WLAN (5GHz) Link + LAN Link + WAN Link + GPS Rx + Adapter + SIM B for Sample 1 Mode 3: LTE Band 12 Idle + WLAN (2.4GHz) Idle + LAN Link + WAN Link + GPS Rx + Adapter + SIM A for Sample 1 Mode 4: WCDMA Band V Idle + WLAN (2.4GHz) Idle + LAN Link + WAN Link + GPS Rx + Adapter + SIM A for Sample 2
Radiated Emissions	Mode 1: WCDMA Band V Idle + WLAN (2.4GHz) Link + LAN Link + WAN Link + GPS Rx + Adapter + SIM A for Sample 1 Mode 2: LTE Band 5 Idle + WLAN (5GHz) Link + LAN Link + WAN Link + GPS Rx + Adapter + SIM B for Sample 1 Mode 3: LTE Band 12 Idle + WLAN (2.4GHz) Idle + LAN Link + WAN Link + GPS Rx + Adapter + SIM A for Sample 1 Mode 4: WCDMA Band V Idle + WLAN (2.4GHz) Idle + LAN Link + WAN Link + GPS Rx + Adapter + SIM A for Sample 2

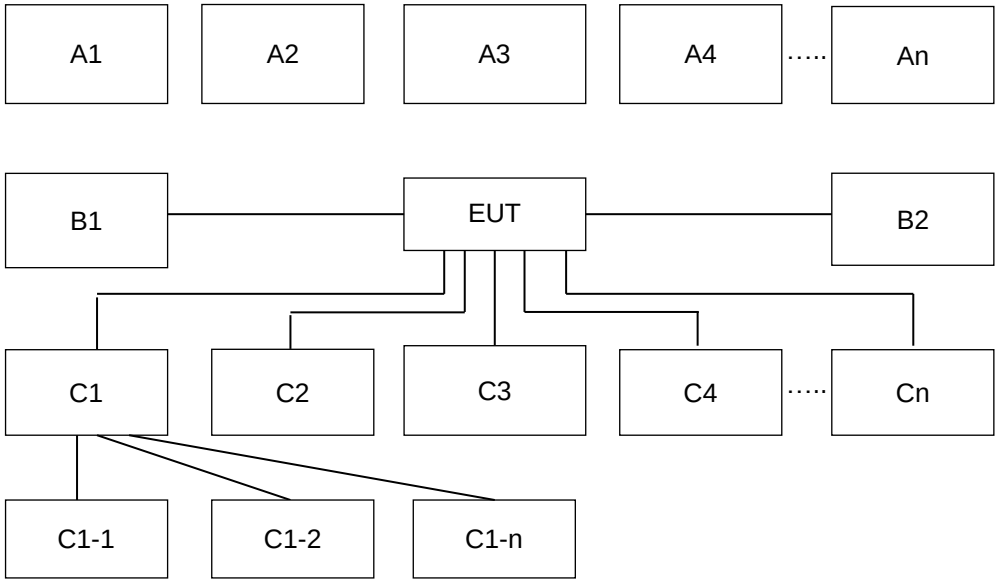
Remark:

1. The worst case of AC is mode 4; only the test data of this mode was reported.

2. The worst case of RE is mode 4; only the test data of this mode was reported.

3. For radiation emission after pre-scanned the cellular band between 30MHz ~ 960MHz (LTE Band 5/12); only the worst case for cellular band test data of this mode was reported.

2.2. Connection Diagram of Test System



Test Setup									
No.	**Wireless Station**	**Connection Type**	**Test Mode**						
			1	**2**	**3**	**4**	**-**	**-**	**-**
A1	System Simulator	WCDMA/LTE	**X**	**X**	**X**	**X**	**-**	**-**	**-**
A2	GPS Station	GPS	**X**	**X**	**X**	**X**	**-**	**-**	**-**
A3	Notebook	WiFi	**X**	**X**	**-**	**-**	**-**	**-**	**-**
No.	**Power Source**	**Connection Type**	**1**	**2**	**3**	**4**	**-**	**-**	**-**
B1	AC : 120V/60Hz	AC Power Cable	**X**	**X**	**X**	**X**	**-**	**-**	**-**
No.	**Setup Peripherals**	**Connection Type**	**1**	**2**	**3**	**4**	**-**	**-**	**-**
C1	Notebook	RJ45 Cable	**X**	**X**	**X**	**X**	**-**	**-**	**-**
C2	Notebook	RJ45 Cable	**X**	**X**	**X**	**X**	**-**	**-**	**-**
C3	WiFi Antenna*2	N/A	**X**	**X**	**X**	**X**	**-**	**-**	**-**
C4	GPS Antenna	N/A	**X**	**X**	**X**	**X**	**-**	**-**	**-**
C5	LTE Antenna*4	N/A	**X**	**X**	**X**	**X**	**-**	**-**	**-**

2.3. Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	GPS Station	Pendulum	GSG-54	N/A	N/A	Unshielded,1.8m
3.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.4. EUT Operation Test Setup

The EUT was in WCDMA or LTE idle mode during the test. 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 WLAN AP, and the following programs installed in the EUT were programmed during the test:

1. Execute “Putty” to make the EUT receive continuous signals from GPS station.
2. EUT links with Notebook and executes ping via RJ-45, LAN Port and WAN Port

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.

<Class A>

Frequency of emission (MHz)	Conducted limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	79	66
0.5-30	73	60

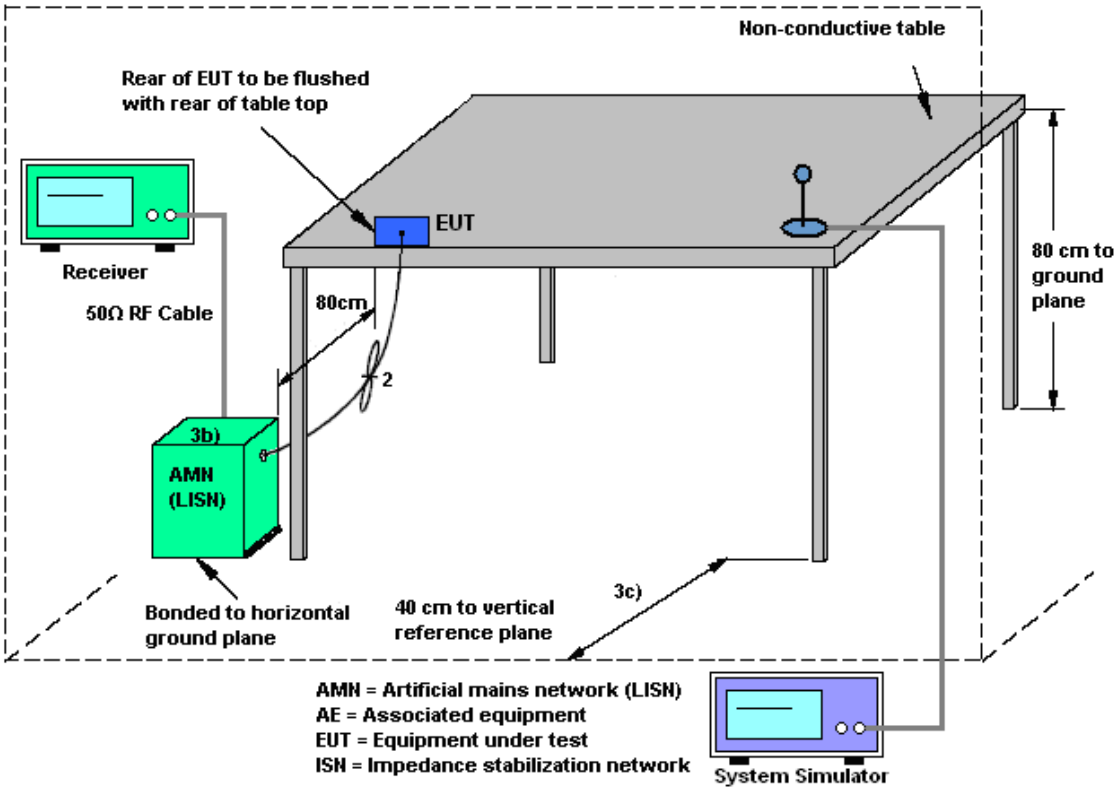
3.1.2. Measuring Instruments

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 shall 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:

<Class A>

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
30 – 88	90	10
88 – 216	150	10
216 - 960	210	10
Above 960	300	10

Remark:

1. A disclaimer from test lab., based on the FCC Part 15.31(f)(1) standard applicability, the results which are consents by manufacturer, are extrapolated to the specified 10m distance using an extrapolation factor of 20 dB/decade, an Aux factor corrected for the test result tested at 3m distance, and which are declared by manufacturer, are not impacted by near field effect due to the characteristic of EUT, when measurement between frequency 30MHz to 1GHz.
2. Follows the 15.109 (g) (2), measurements above 1000 MHz may be performed at the distance specified in the CISPR 22 publications is extrapolated to the new measurement distance using an inverse linear distance extrapolation factor (20 dB/decade).

3.2.2. Measuring Instruments

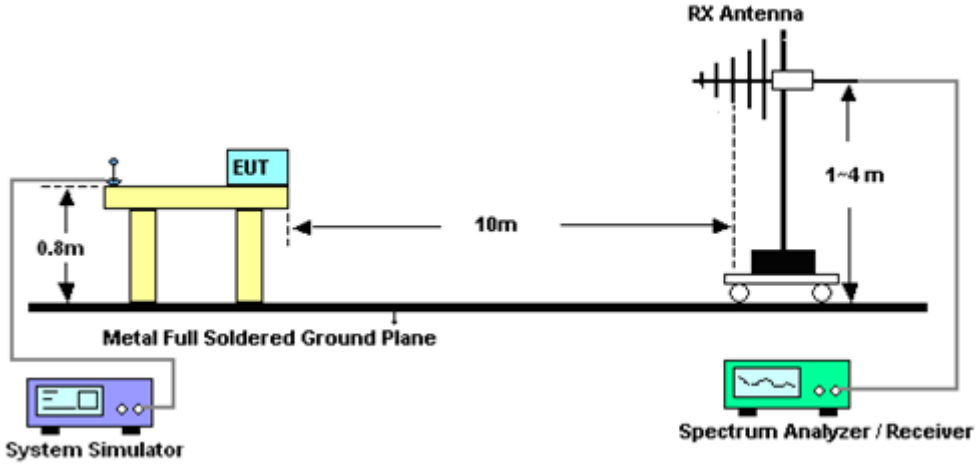
Refer a test equipment and calibration data table in this test report.

3.2.3. Test Procedures

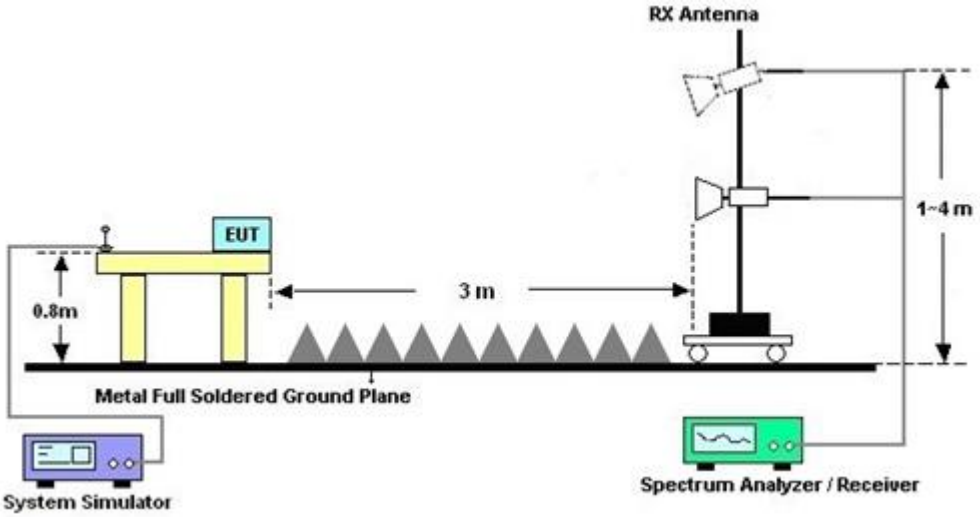
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 10 meters (30M~1G) and 3 meters (1G~ 13G) from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the 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=120 kHz/VBW=300 kHz for frequency below 1 GHz; RBW=1 MHz VBW=3 MHz (Peak), RBW=1 MHz/VBW=10 Hz (Average) for frequency above 1 GHz).
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	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Amplifier	SONOMA	310N	186713	9kHz~1GHz	Apr. 30, 2020	Apr. 14, 2021	Apr. 29, 2021	Radiation (03CH06-HY)
Bilog Antenna	Schaffner	CBL 6111C & N-6-06	2725 & AT-N0601	30MHz~1GHz	Jan. 08, 2021	Apr. 14, 2021	Jan. 07, 2022	Radiation (03CH06-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100472	20Hz~26.5GHz	Feb. 03, 2021	Apr. 14, 2021	Feb. 02, 2022	Radiation (03CH06-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1156	1GHz~18GHz	Sep. 15, 2020	Apr. 14, 2021	Sep. 14, 2021	Radiation (03CH06-HY)
Preamplifier	Jet-Power	JPA00101800-30-10P	1601180001	1GHz~18GHz	Jul. 21, 2020	Apr. 14, 2021	Jul. 20, 2021	Radiation (03CH06-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / STORM/LL142	MY24966/4 / 00100A1O2A178T	30MHz~18GHz	Nov. 20, 2020	Apr. 14, 2021	Nov. 19, 2021	Radiation (03CH06-HY)
RF Cable	HUBER + SUHNER	SF104	802433/4	30Mhz to 18Ghz	Aug. 20, 2020	Apr. 14, 2021	Aug. 19, 2021	Radiation (03CH06-HY)
Controller	INN-CO	EM1000	060782	Control Turn table & Ant Mast	N/A	Apr. 14, 2021	N/A	Radiation (03CH06-HY)
Antenna Mast	MF	MF-7802	MF780208212	1m~4m	N/A	Apr. 14, 2021	N/A	Radiation (03CH06-HY)
Turn Table	INN-CO	DS2000	420/650/00	0-360 degree	N/A	Apr. 14, 2021	N/A	Radiation (03CH06-HY)
Software	Audix	E3 6.2009-8-24(k5)	N/A	N/A	N/A	Apr. 14, 2021	N/A	Radiation (03CH06-HY)
Amplifier	Agilent	8447D	2944A07468	10 kHz ~ 1.3GHz	Dec. 01, 2020	Apr. 15, 2021	Nov. 30, 2021	Radiation (OS04-LK)
Spectrum Analyzer	R&S	FSP 7	838858/037	9 kHz ~ 7 GHz	Jun. 04, 2020	Apr. 15, 2021	Jun. 03, 2021	Radiation (OS04-LK)
Test Receiver	R&S	ESCS 30	838251/004	9 kHz ~ 2.75 GHz	Jul. 09, 2020	Apr. 15, 2021	Jul. 08, 2021	Radiation (OS04-LK)
Bilog Antenna with 5dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-05	35377 & AT-N0518	30 MHz ~ 2 GHz	Jul. 05, 2020	Apr. 15, 2021	Jul. 04, 2021	Radiation (OS04-LK)
Turn Table	EMCO	2080	9711-2021	0 ~ 360 degree	NCR	Apr. 15, 2021	NCR	Radiation (OS04-LK)
Antenna Mast	EMCO	2075	9711-2115	1 m ~ 4 m	NCR	Apr. 15, 2021	NCR	Radiation (OS04-LK)
RF Cable-R10m	Woken	CFD400NL-LW	CB011	30 MHz ~ 1 GHz	Dec. 10, 2020	Apr. 15, 2021	Dec. 09, 2021	Radiation (OS04-LK)
Software	Audix	E3	Version:4	-	NCR	Apr. 15, 2021	NCR	Radiation (OS04-LK)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Apr. 12, 2021	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 30, 2020	Apr. 12, 2021	Nov. 29, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 18, 2020	Apr. 12, 2021	Nov. 17, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2020	Apr. 12, 2021	Nov. 15, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Apr. 12, 2021	N/A	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Feb. 25, 2021	Apr. 12, 2021	Feb. 24, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 31, 2020	Apr. 12, 2021	Dec. 30, 2021	Conduction (CO05-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))	**2.30**

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.81**

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.30**

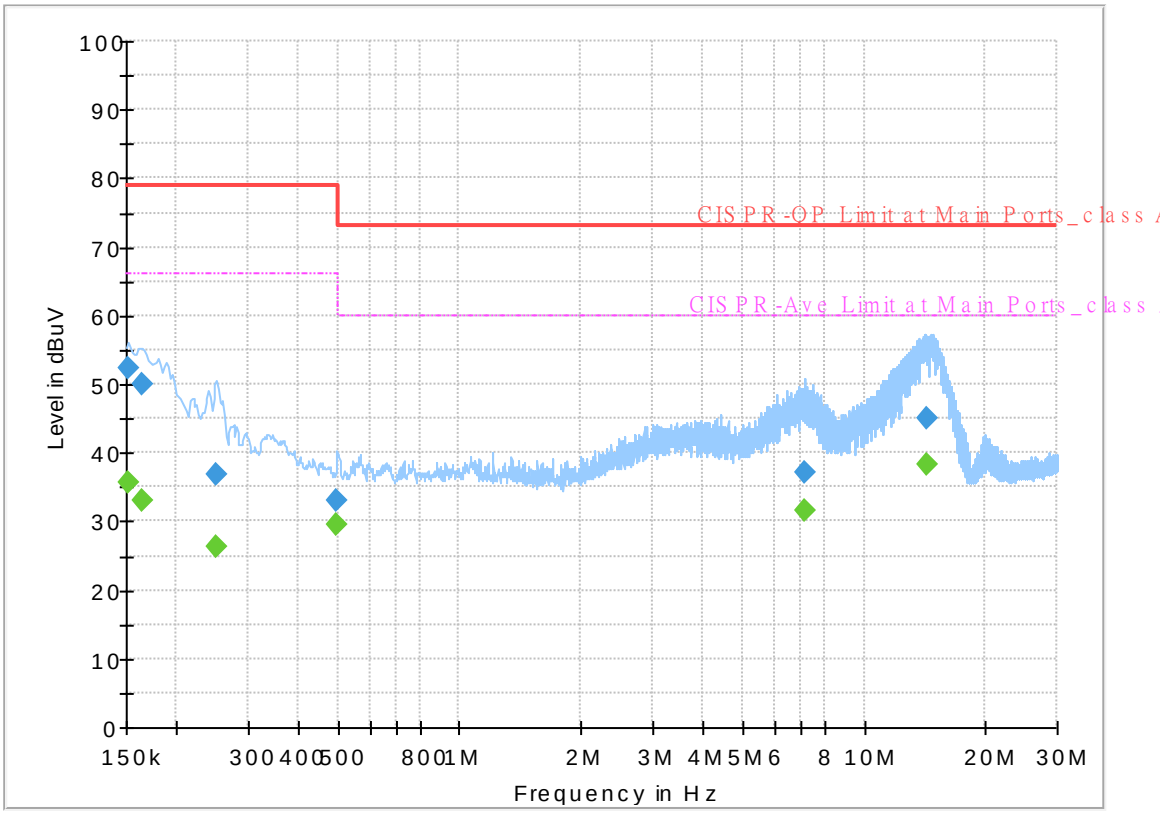
Appendix A. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	**Temperature :**	23~26℃
		Relative Humidity :	40~50%

EUT Information

Report NO :	131219
Test Mode :	Mode 4
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



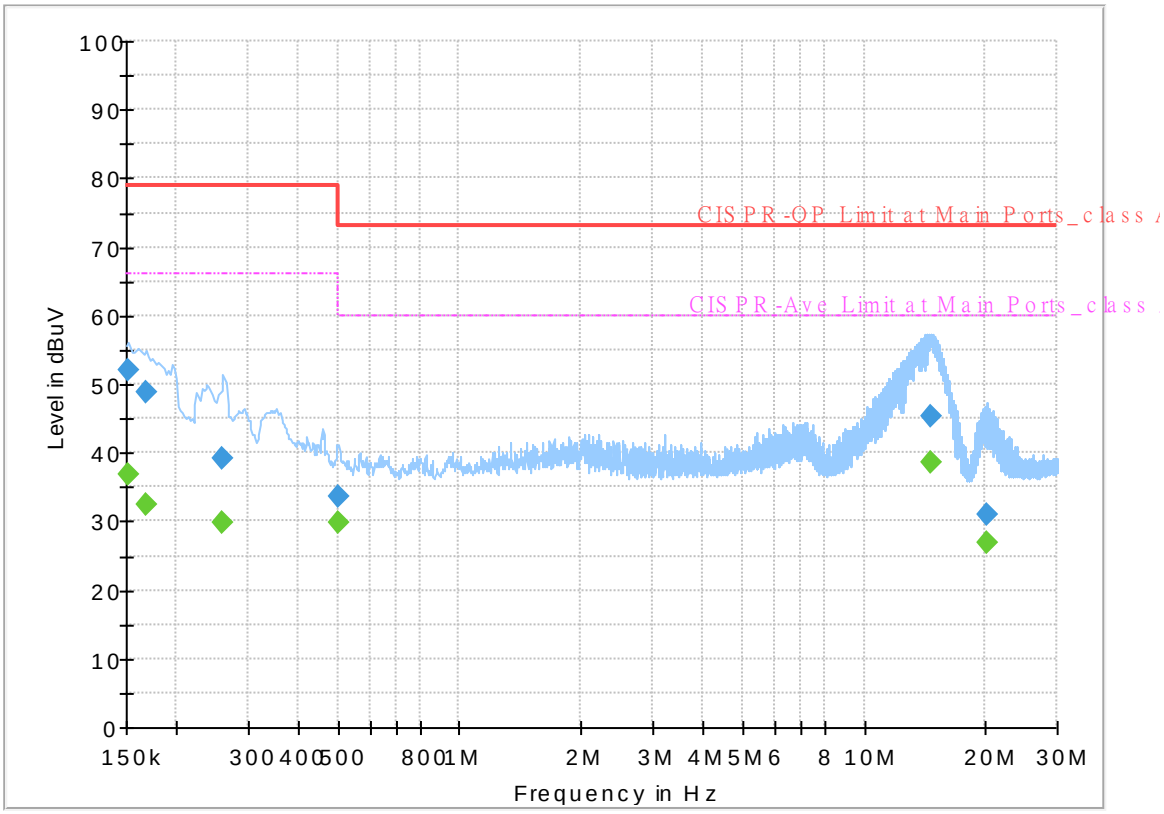
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	35.73	66.00	30.27	L1	OFF	19.7
0.152250	52.36	---	79.00	26.64	L1	OFF	19.7
0.163500	---	33.13	66.00	32.87	L1	OFF	19.7
0.163500	50.10	---	79.00	28.90	L1	OFF	19.7
0.251250	---	26.42	66.00	39.58	L1	OFF	19.7
0.251250	36.77	---	79.00	42.23	L1	OFF	19.7
0.498750	---	29.48	66.00	36.52	L1	OFF	19.9
0.498750	32.92	---	79.00	46.08	L1	OFF	19.9
7.129500	---	31.65	60.00	28.35	L1	OFF	20.1
7.129500	37.19	---	73.00	35.81	L1	OFF	20.1
14.374500	---	38.26	60.00	21.74	L1	OFF	20.3
14.374500	45.12	---	73.00	27.88	L1	OFF	20.3

EUT Information

Report NO :	131219
Test Mode :	Mode 4
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum

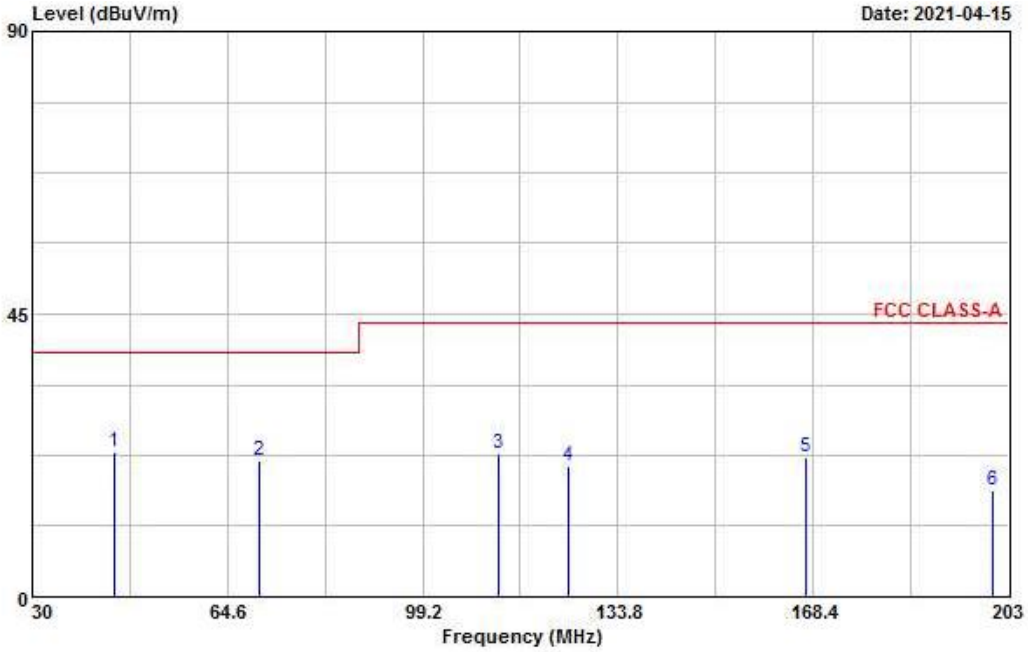


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	36.76	66.00	29.24	N	OFF	19.7
0.152250	52.19	---	79.00	26.81	N	OFF	19.7
0.168000	---	32.49	66.00	33.51	N	OFF	19.7
0.168000	48.93	---	79.00	30.07	N	OFF	19.7
0.260250	---	29.70	66.00	36.30	N	OFF	19.8
0.260250	39.27	---	79.00	39.73	N	OFF	19.8
0.503250	---	29.87	60.00	30.13	N	OFF	19.9
0.503250	33.53	---	73.00	39.47	N	OFF	19.9
14.646750	---	38.54	60.00	21.46	N	OFF	20.4
14.646750	45.36	---	73.00	27.64	N	OFF	20.4
20.231250	---	26.90	60.00	33.10	N	OFF	20.7
20.231250	30.90	---	73.00	42.10	N	OFF	20.7

Appendix B. Radiated Emission Test Result

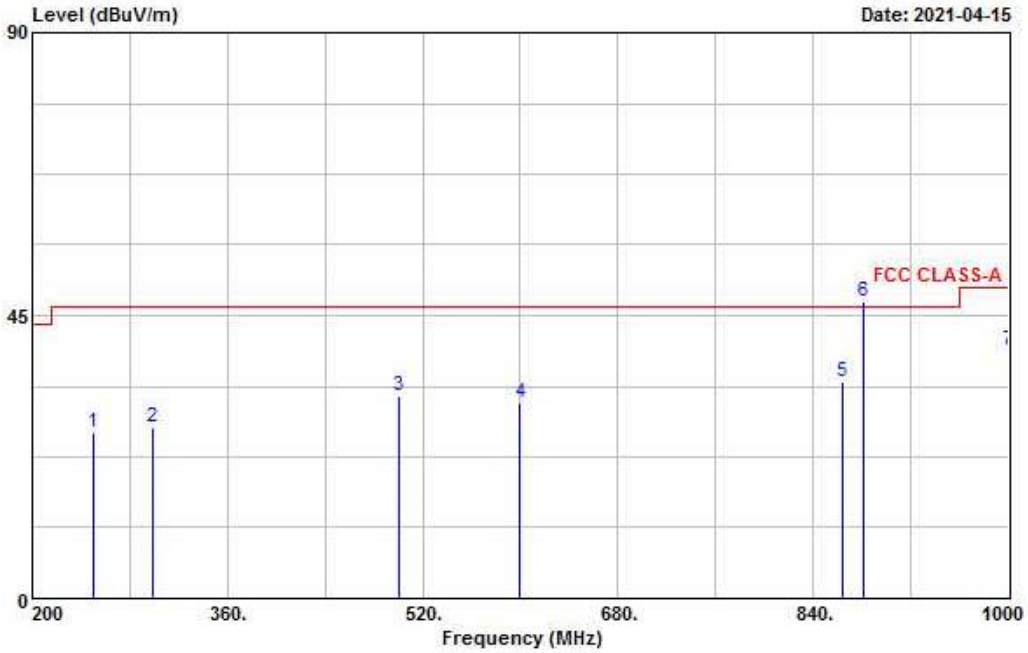
Test Engineer :	Giant Chen	**Temperature :**	21~26°C
		Relative Humidity :	51~56%
Test Distance :	10m	**Polarization :**	Horizontal



Site : OS04-LK
Condition : FCC CLASS-A 10m HORIZONTAL
Project : 131219
Power : 120VAC/60Hz
Mode : Mode 4

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm
1	44.530	22.97	-16.03	39.00	33.71	15.73	27.54	1.07	Peak	---	---
2	70.310	21.61	-17.39	39.00	36.48	11.30	27.47	1.30	Peak	---	---
3	112.690	22.88	-20.62	43.50	31.62	17.00	27.32	1.58	Peak	---	---
4	124.980	20.95	-22.55	43.50	29.36	17.19	27.25	1.65	Peak	---	---
5	167.020	22.12	-21.38	43.50	32.17	15.08	27.03	1.90	Peak	---	---
6	200.060	17.00	-26.50	43.50	27.16	14.55	26.85	2.14	Peak	---	---

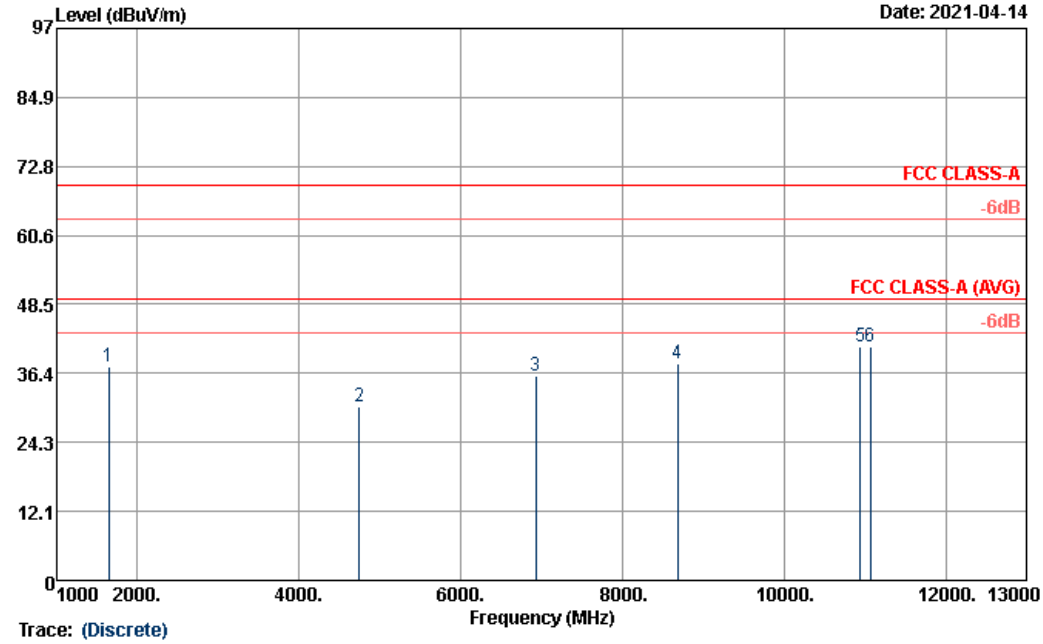
Test Engineer :	Giant Chen	**Temperature :**	21~26°C
		Relative Humidity :	51~56%
Test Distance :	10m	**Polarization :**	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		



Site : OS04-LK
Condition : FCC CLASS-A 10m HORIZONTAL
Project : 131219
Power : 120VAC/60Hz
Mode : Mode 4

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm
1	249.600	26.48	-19.92	46.40	33.05	17.62	26.64	2.45	Peak	---	---
2	298.400	27.31	-19.09	46.40	33.07	18.45	26.70	2.49	Peak	---	---
3	500.000	32.28	-14.12	46.40	34.00	22.72	27.93	3.49	Peak	---	---
4	600.000	31.01	-15.39	46.40	31.25	23.80	28.10	4.06	Peak	---	---
5	864.000	34.50	-11.90	46.40	31.49	25.63	27.68	5.06	Peak	---	---
6 @	881.600	47.25			43.95	25.71	27.57	5.16	Peak	---	---
7	1000.000	39.36	-10.14	49.50	34.17	26.48	27.05	5.76	Peak	52	100

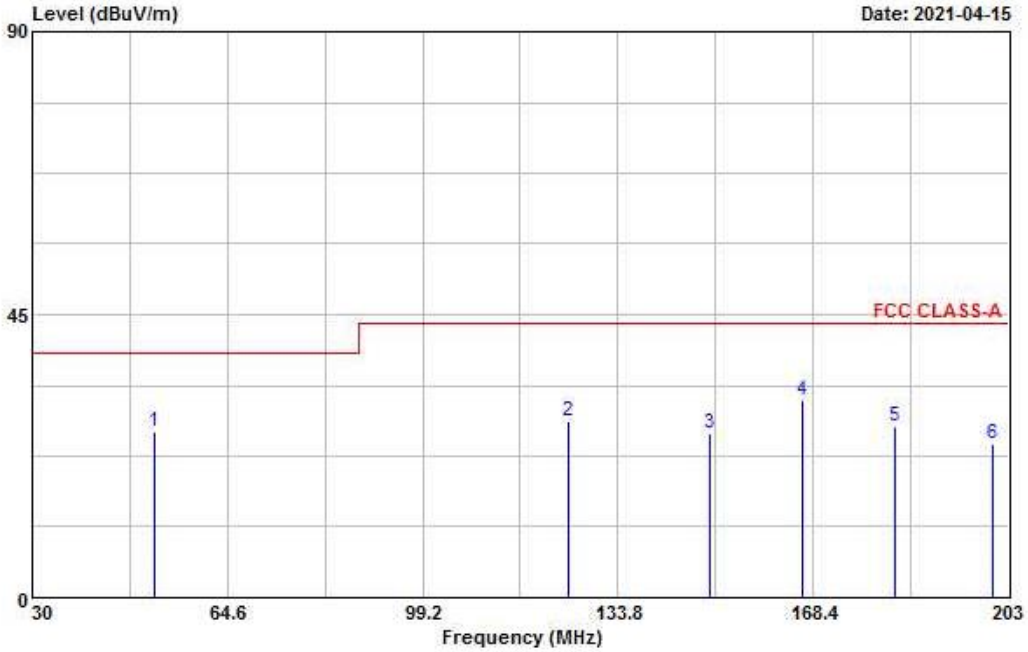
Test Engineer :	Nick Yu	**Temperature :**	24~26°C
		Relative Humidity :	41~44%
Test Distance :	3m	**Polarization :**	Horizontal



Site : 03CH06-HY
Condition : FCC CLASS-A 3m 9120D_1156_200915 HORIZONTAL
Project : 131219
Power : 120Vac/60Hz
Memo : Mode 4

Frequency	Level	Distance extrapolation	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak
		Factor	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Average
(MHz)	(dBµV/m)	(dB)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)
1642	37.61	10.45	-31.93	69.54	80.52	25.2	6.08	63.74	-	-	P
4740	30.45	10.45	-39.09	69.54	62.5	31.27	10.88	63.75	-	-	P
6926	35.81	10.45	-33.73	69.54	61.49	35.07	13.79	64.09	-	-	P
8684	38.11	10.45	-31.43	69.54	59.75	37.47	15.79	64.45	-	-	P
10940	41.11	10.45	-28.43	69.54	56.63	40.55	17.83	63.45	100	0	P
11066	40.94	10.45	-28.6	69.54	56.6	40.27	17.95	63.43	-	-	P

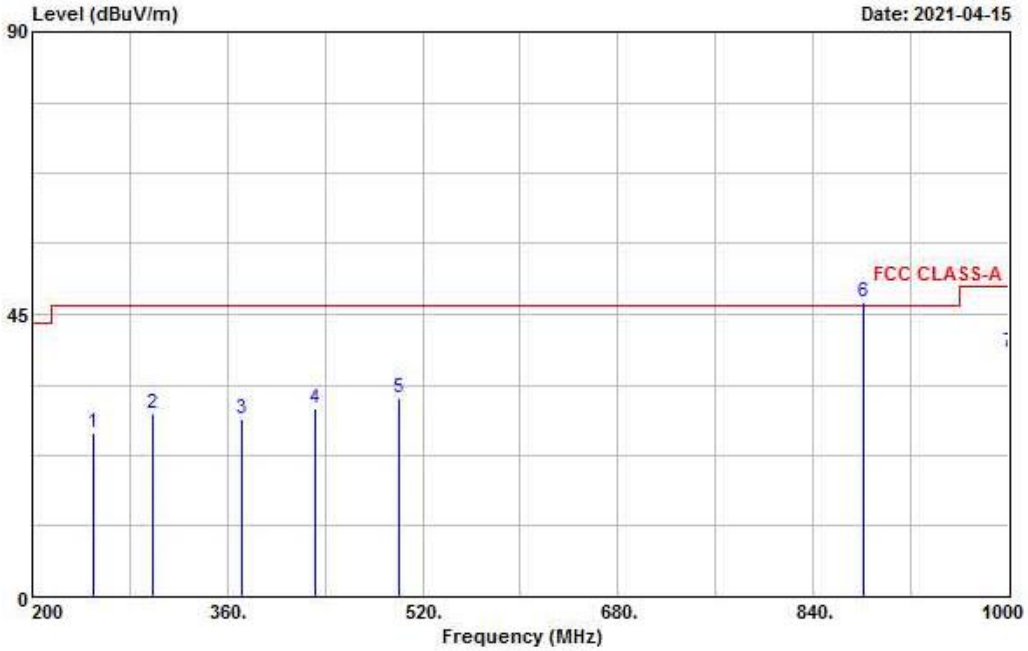
Test Engineer :	Giant Chen	**Temperature :**	21~26°C
		Relative Humidity :	51~56%
Test Distance :	10m	**Polarization :**	Vertical



Site : OS04-LK
Condition : FCC CLASS-A 10m VERTICAL
Project : 131219
Power : 120VAC/60Hz
Mode : Mode 4

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm
1	51.580	26.46	-12.54	39.00	39.85	13.05	27.52	1.08	Peak	---	---
2	124.980	28.04	-15.46	43.50	36.45	17.19	27.25	1.65	Peak	---	---
3	150.060	26.10	-17.40	43.50	35.70	15.72	27.13	1.81	Peak	---	---
4	166.580	31.30	-12.20	43.50	41.35	15.08	27.03	1.90	Peak	---	---
5	182.930	27.22	-16.28	43.50	37.76	14.37	26.94	2.03	Peak	---	---
6	200.060	24.50	-19.00	43.50	34.66	14.55	26.85	2.14	Peak	---	---

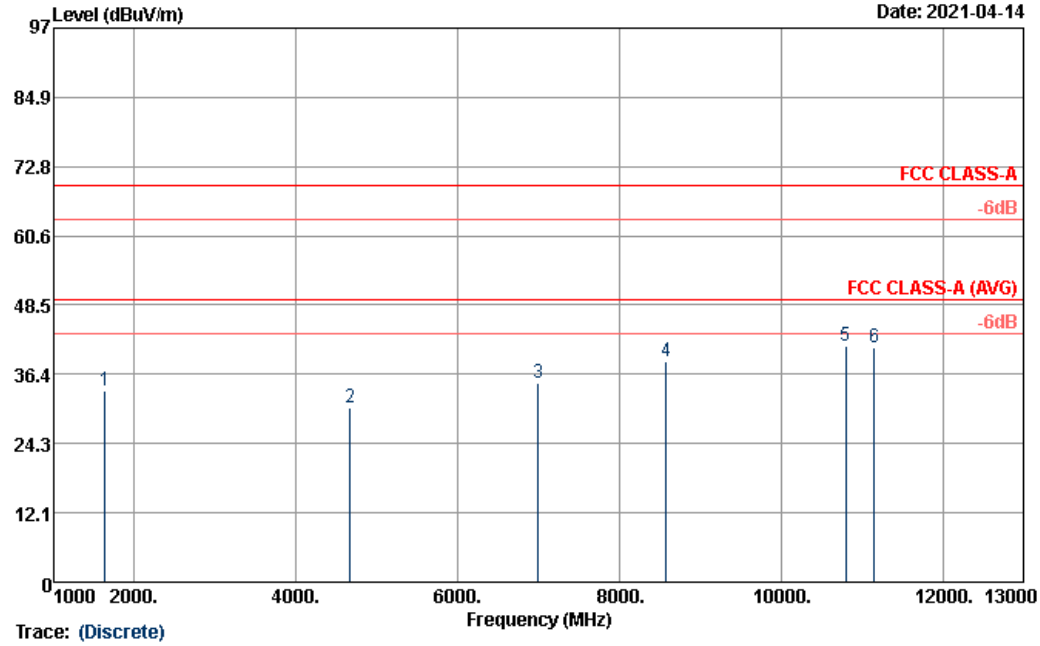
Test Engineer :	Giant Chen	**Temperature :**	21~26°C
		Relative Humidity :	51~56%
Test Distance :	10m	**Polarization :**	Vertical
Remark :	#6 is system simulator signal which can be ignored.		



Site : OS04-LK
Condition : FCC CLASS-A 10m VERTICAL
Project : 131219
Power : 120VAC/60Hz
Mode : Mode 4

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm
1	249.600	26.03	-20.37	46.40	32.60	17.62	26.64	2.45	Peak	---	---
2	298.400	29.12	-17.28	46.40	34.88	18.45	26.70	2.49	Peak	---	---
3	372.000	28.27	-18.13	46.40	32.46	20.08	27.23	2.96	Peak	---	---
4	431.200	30.07	-16.33	46.40	32.54	21.94	27.65	3.24	Peak	---	---
5	500.000	31.55	-14.85	46.40	33.27	22.72	27.93	3.49	Peak	---	---
6 @	881.600	46.84			43.54	25.71	27.57	5.16	Peak	---	---
7	1000.000	38.93	-10.57	49.50	33.74	26.48	27.05	5.76	Peak	108	217

Test Engineer :	Nick Yu	**Temperature :**	24~26°C
		Relative Humidity :	41~44%
Test Distance :	3m	**Polarization :**	Vertical



Site : 03CH06-HY
Condition : FCC CLASS-A 3m 9120D_1156_200915 VERTICAL
Project : 131219
Power : 120Vac/60Hz
Memo : Mode 4

Frequency	Level	Distance extrapolation	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak
		Factor	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Average
(MHz)	(dBµV/m)	(dB)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)
1632	33.46	10.45	-36.08	69.54	76.32	25.27	6.06	63.74	-	-	P
4664	30.59	10.45	-38.95	69.54	62.77	31.13	10.89	63.75	-	-	P
6998	34.91	10.45	-34.63	69.54	60.1	35.2	14.17	64.11	-	-	P
8582	38.63	10.45	-30.91	69.54	60.7	37.17	15.67	64.46	-	-	P
10806	41.44	10.45	-28.1	69.54	57.41	40.33	17.66	63.51	100	0	P
11152	40.96	10.45	-28.58	69.54	56.9	39.9	18.03	63.42	-	-	P

———THE END———