

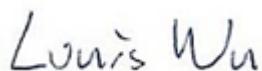


FCC EMI TEST REPORT

FCC ID : U8G-P1AX203
Equipment : Peplink Pepwave Wireless Product
Brand Name :  **PEPWAVE**
Model Name : MAX BR2 Pro
MAX-BR2-PRO-5GH-T-PRM
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 Jul. 06, 2022 and testing was performed from Jul. 08, 2022 to Jul. 14, 2022. 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 from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.



Approved by: Louis Wu

Sportun International Inc. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1. General Description	5
1.1. Product Feature of Equipment Under Test	5
1.2. Modification of EUT	5
1.3. Test Location.....	6
1.4. Applicable Standards	6
2. Test Configuration of Equipment Under Test	7
2.1. Test Mode	7
2.2. Connection Diagram of Test System	8
2.3. Support Unit used in test configuration and system.....	9
2.4. EUT Operation Test Setup	9
3. Test Result	10
3.1. Test of AC Conducted Emission Measurement	10
3.2. Test of Radiated Emission Measurement	12
4. List of Measuring Equipment.....	15
5. Uncertainty of Evaluation.....	16

Appendix A. AC Conducted Emission Test Result**Appendix B. Radiated Emission Test Result**



History of this test report



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.107	AC Conducted Emission	Pass	22.93 dB under the limit at 0.600 MHz
3.2	15.109	Radiated Emission	Pass	7.21 dB under the limit at 1256.000 MHz for Average

Declaration of Conformity:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to this report "Uncertainty of Evaluation".

Comments and Explanations:

1. The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.
2. The purpose of different model name is for marketing segmentation.

Reviewed by: Lewis Ho

Report Producer: Cindy Liu



1. General Description

1.1. Product Feature of Equipment Under Test

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

Product Feature	
Integrated WWAN Module	Brand Name: Sierra Model Name: EM9191 FCC ID: N7NEM91
Antenna Type	WWAN: Omni-directional Antenna WLAN: <Ant. 1>: Omni-directional Antenna <Ant. 2>: Omni-directional Antenna GPS: Directional Antenna

Remark: The EUT's information above is declared by manufacturer. Please refer to Comments and Explanations in report summary.

1.2. Modification of EUT

No modifications made to the EUT during the testing.



1.3. Test Location

Test Site	Sportun 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.	Sportun Site No. CO05-HY
Test Site	Sportun International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sportun Site No. 03CH10-HY (TAF Code: 3786)
Remark	The Radiated Emission test item above 1GHz subcontracted to Sporton International Inc. Wensan Laboratory.
Test Site	Sportun 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: +886-2-2601-1640 FAX: +886-2-2601-1695
Test Site No.	Sportun Site No. OS04-LK

FCC designation No.: TW1093 and TW1132 and TW1095

1.4. Applicable Standards

According to the specifications declared by 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

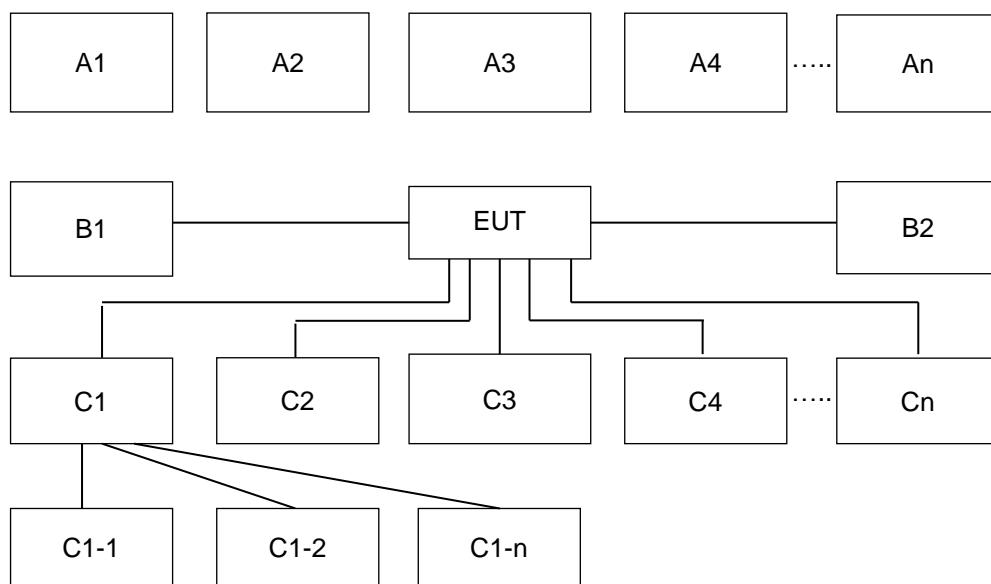
The EUT is tested along with the peripherals, operating under possible configurations in compliant with normal operation. The maximum emissions can be identified by a pre-scan carried out in different orientations of placement pursuant to ANSI C63.4-2014. Frequency range covered: Conduction Emission (150 kHz to 30 MHz), Radiation Emission (30 MHz to the 5th harmonics of the highest fundamental frequency or to 40 GHz, whichever is lower).

Test Items	Functions Enabled
AC Conducted Emission	Mode 1: LTE Band 5 Idle + WLAN (2.4GHz) Idle + LAN1 Link + WAN1 Link + GPS Rx + Adapter + RS-232 Load + Other LAN port with RJ45 Load + WAN2 with RJ45 Load + USB Flash Device + SIM A Mode 2: LTE Band 12 Idle + WLAN (5GHz) Idle + LAN1 Link + WAN2 Link + GPS Rx + PoE IN + RS-232 Load + Other LAN port with RJ45 Load + USB Flash Device + SIM B Mode 3: 5G NR n5 Idle + WLAN (5GHz) Idle + LAN1 Link + WAN2 Link + GPS Rx + PoE IN + RS-232 Load + Other LAN port with RJ45 Load + USB Flash Device + SIM B
Radiated Emissions	Mode 1: LTE Band 5 Idle + WLAN (2.4GHz) Idle + LAN1 Link + WAN1 Link + GPS Rx + Adapter + RS-232 Load + Other LAN port with RJ45 Load + WAN2 with RJ45 Load + USB Flash Device + SIM A Mode 2: LTE Band 12 Idle + WLAN (5GHz) Idle + LAN1 Link + WAN2 Link + GPS Rx + PoE IN + RS-232 Load + Other LAN port with RJ45 Load + USB Flash Device + SIM B Mode 3: 5G NR n5 Idle + WLAN (2.4GHz) Idle + LAN1 Link + WAN1 Link + GPS Rx + Adapter + RS-232 Load + Other LAN port with RJ45 Load + WAN2 with RJ45 Load + USB Flash Device + SIM A

Remark:

1. The worst case of AC is mode 3; only the test data of this mode was reported.
2. The worst case of RE is mode 1; only the test data of this mode was reported.
3. For radiation emission after pre-scanned the cellular band between 30MHz ~ 960MHz (LTE Band 5/12/5G NR n5); 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	-	-	-
A1	System Simulator	LTE/5G NR	X	X	X	-	-	-
A2	GPS Station	GPS	X	X	X	-	-	-
No.	Power Source	Connection Type	1	2	3	-	-	-
B1	AC : 120V/60Hz	AC Power Cable	X	-	-	-	-	-
B2	POE (AC : 120V/60Hz)	RJ45 Cable	-	X	X	-	-	-
No.	Setup Peripherals	Connection Type	1	2	3	-	-	-
C1	Notebook	RJ45 Cable	X	X	X	-	-	-
C2	Notebook	RJ45 Cable	X	X	X	-	-	-
C3	Notebook	RJ45 Cable to B2	-	X	X	-	-	-
C4	Dongle	Dongle I/O interface without Cable	X	X	X	-	-	-

Radiation Test Setup								
No.	Wireless Station	Connection Type	Test Mode					
			1	2	3	-	-	-
A1	System Simulator	LTE/5G NR	X	X	X	-	-	-
A2	GPS Station	GPS	X	X	X	-	-	-
No.	Power Source	Connection Type	1	2	3	-	-	-
B1	AC : 120V/60Hz	AC Power Cable	X	-	X	-	-	-
B2	POE (AC : 120V/60Hz)	RJ45 Cable	-	X	-	-	-	-
No.	Setup Peripherals	Connection Type	1	2	3	-	-	-
C1	Notebook	RJ45 Cable	X	X	X	-	-	-
C2	Notebook	RJ45 Cable	X	X	X	-	-	-
C3	Notebook	RJ45 Cable to B2	-	X	-	-	-	-
C4	Dongle	Dongle I/O interface without Cable	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.	5G Wireless Test Platform	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8m
2.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
3.	GPS Station	Pendulum	GSG-54	N/A	N/A	Unshielded, 1.8 m
4.	Notebook	Dell	Latitude3400	FCC DoC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m
5.	Notebook	Dell	Latitude5480	FCC DoC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m
6.	Notebook	Dell	Latitude5310	FCC DoC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m
7.	Notebook	Dell	Latitude3340	FCC DoC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m
8.	POE Adapter	BILLION	BP035-560054QAX	FCC DoC	N/A	N/A
9.	USB Flash Device	Kingston	DTSE9 16GB	N/A	N/A	N/A
10.	USB Flash Device	SanDisk	SDCZ600	FCC DoC	N/A	N/A

2.4. EUT Operation Test Setup

The EUT was in LTE or 5G NR 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 Notebook and executes ping via WLAN function and the following programs installed in the EUT were programmed during the test:

1. EUT links with Notebook and executes ping via RJ-45
2. Execute "Tera Term" to make the EUT receive continuous signals from GPS station.



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

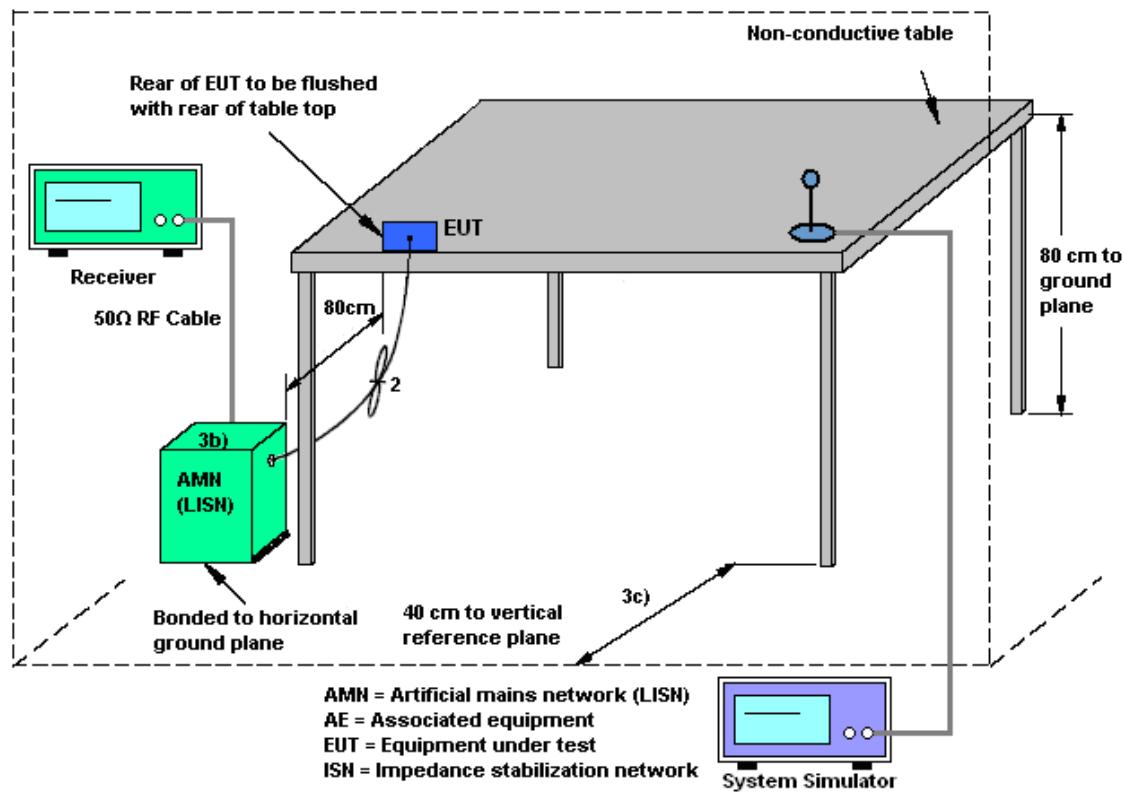
3.1.2. Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.1.3. Test Procedure

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is 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 Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (If Bandwidth = 9 kHz) 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)	Field strength (dB _{UV} /m)	Measurement Distance (meters)
30-88	90	39.08	10
88-216	150	43.52	10
216-960	210	46.44	10
Above 960	300	49.54	10

Remark: 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

Please refer to the measuring equipment list in this test report.

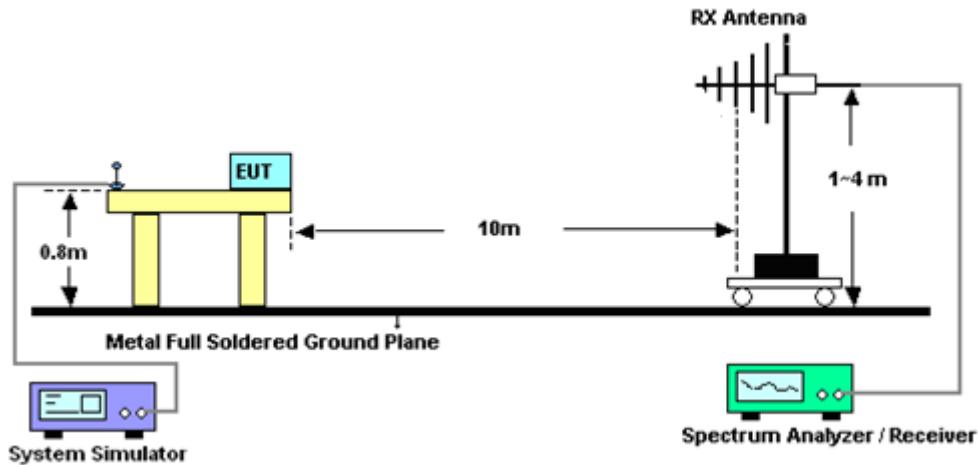


3.2.3. Test Procedures

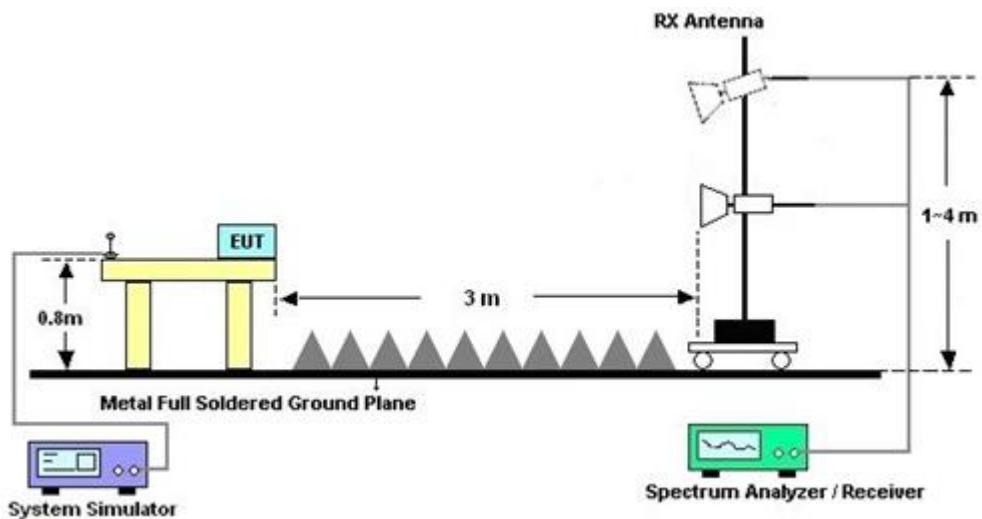
1. The EUT is placed on a turntable with 0.8 meter above ground.
2. The EUT is set 10 meters (30 M~1 G) and 3 meters (1 G~ 13 G) from the interference receiving antenna, which is mounted on the top of a variable height antenna tower.
3. The table is rotated 360 degrees to determine the position of the 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 is 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 is 3 dB lower than the limit specified, peak values of EUT will be reported. Otherwise, the emission will be repeated by using the quasi-peak method and reported.
8. Emission level (dB μ V/m) = 20 log Emission level (μ V/m)
9. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

3.2.4. Test Setup of Radiated Emission

For Radiated Emissions from 30 MHz to 1 GHz



For Radiated Emissions above 1 GHz



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
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1325	1GHz~18GHz	Oct. 21, 2021	Jul. 12, 2022	Oct. 20, 2022	Radiation (03CH10-HY)
Preamplifier	Jet-Power	JAP00101800-30-10P	160118550004	1GHz~18GHz	Feb. 27, 2022	Jul. 12, 2022	Feb. 26, 2023	Radiation (03CH10-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Jul. 12, 2022	N/A	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Jul. 12, 2022	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	Jul. 12, 2022	N/A	Radiation (03CH10-HY)
Software	Audix	E3 6.2009-8-24	RK-001042	N/A	N/A	Jul. 12, 2022	N/A	Radiation (03CH10-HY)
EMI Test Receiver	Keysight	N9038A	MY59053012	3Hz~26.5GHz	Nov. 18, 2021	Jul. 12, 2022	Nov. 17, 2022	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4PE, MY11693/4PE, MY2855/2	30MHz~1GHz	Nov. 04, 2021	Jul. 12, 2022	Nov. 03, 2022	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4PE, MY11693/4PE, MY2855/2	1GHz~18GHz	Nov. 04, 2021	Jul. 12, 2022	Nov. 03, 2022	Radiation (03CH10-HY)
Amplifier	Agilent	8447D	2944A07468	10 kHz ~ 1.3GHz	Nov. 30, 2021	Jul. 14, 2022	Nov. 29, 2022	Radiation (OS04-LK)
Spectrum Analyzer	R&S	FSP 7	838858/037	9 kHz ~ 7 GHz	May 25, 2022	Jul. 14, 2022	May 24, 2023	Radiation (OS04-LK)
Test Receiver	R&S	ESCS 30	838251/003	9 kHz ~ 2.75 GHz	Aug. 11, 2021	Jul. 14, 2022	Aug. 10, 2022	Radiation (OS04-LK)
Bilog Antenna with 5dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-05	35377 & AT-N0518	30 MHz ~ 2 GHz	Jun. 25, 2022	Jul. 14, 2022	Jun. 24, 2023	Radiation (OS04-LK)
Turn Table	EMCO	2080	9711-2021	0 ~ 360 degree	NCR	Jul. 14, 2022	NCR	Radiation (OS04-LK)
Antenna Mast	EMCO	2075	9711-2115	1 m ~ 4 m	NCR	Jul. 14, 2022	NCR	Radiation (OS04-LK)
RF Cable-R10m	Woken	CFD400NL-LW	CB011	30 MHz ~ 1 GHz	Dec. 08, 2021	Jul. 14, 2022	Dec. 07, 2022	Radiation (OS04-LK)
Software	Audix	E3	Version:4	-	NCR	Jul. 14, 2022	NCR	Radiation (OS04-LK)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jul. 08, 2022	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2021	Jul. 08, 2022	Nov. 30, 2022	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2021	Jul. 08, 2022	Nov. 16, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 03, 2021	Jul. 08, 2022	Dec. 02, 2022	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Jul. 08, 2022	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-FN	00691	N/A	Jul. 28, 2021	Jul. 08, 2022	Jul. 27, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 30, 2021	Jul. 08, 2022	Dec. 29, 2022	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% ($U = 2U_{C(y)}$)	3.1 dB
-------------------------------------------------------------------------------	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_{C(y)}$)	5.5 dB
-------------------------------------------------------------------------------	--------

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_{C(y)}$)	4.5 dB
-------------------------------------------------------------------------------	--------

Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_{C(y)}$)	5.3 dB
-------------------------------------------------------------------------------	--------



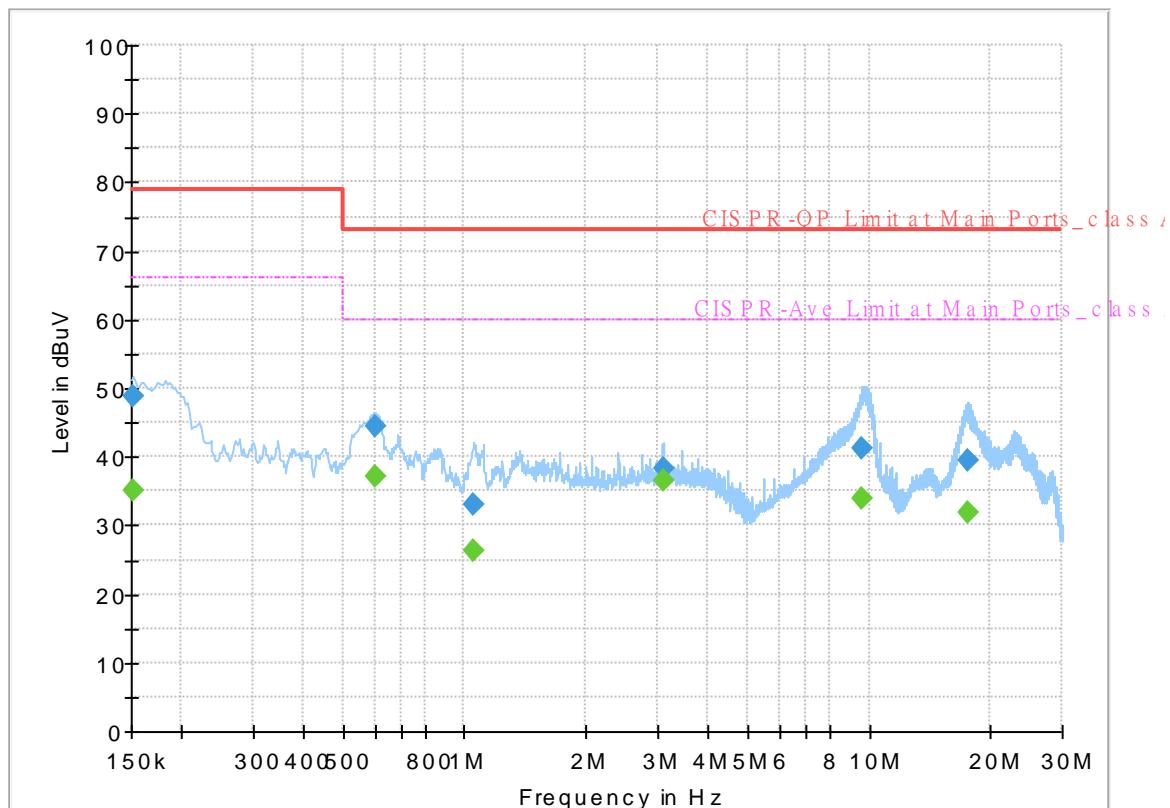
Appendix A. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	Temperature :	23~26°C
		Relative Humidity :	45~55%

EUT Information

Report NO : 260702
 Test Mode : Mode 3
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



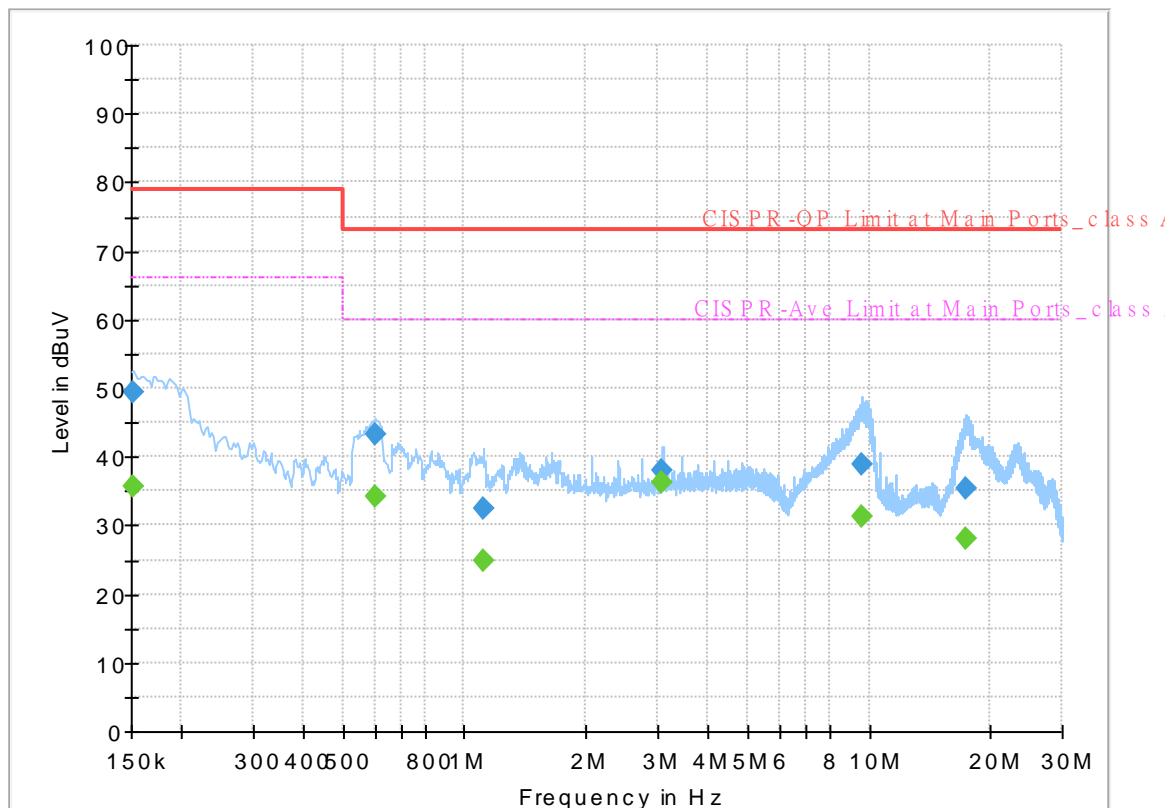
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	35.21	66.00	30.79	L1	OFF	19.6
0.152250	48.82	---	79.00	30.18	L1	OFF	19.6
0.600000	---	37.07	60.00	22.93	L1	OFF	19.6
0.600000	44.40	---	73.00	28.60	L1	OFF	19.6
1.052250	---	26.33	60.00	33.67	L1	OFF	19.6
1.052250	33.14	---	73.00	39.86	L1	OFF	19.6
3.090750	---	36.61	60.00	23.39	L1	OFF	19.6
3.090750	38.25	---	73.00	34.75	L1	OFF	19.6
9.611250	---	33.90	60.00	26.10	L1	OFF	19.8
9.611250	41.10	---	73.00	31.90	L1	OFF	19.8
17.603250	---	31.83	60.00	28.17	L1	OFF	19.8
17.603250	39.57	---	73.00	33.43	L1	OFF	19.8

EUT Information

Report NO : 260702
 Test Mode : Mode 3
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

Full Spectrum

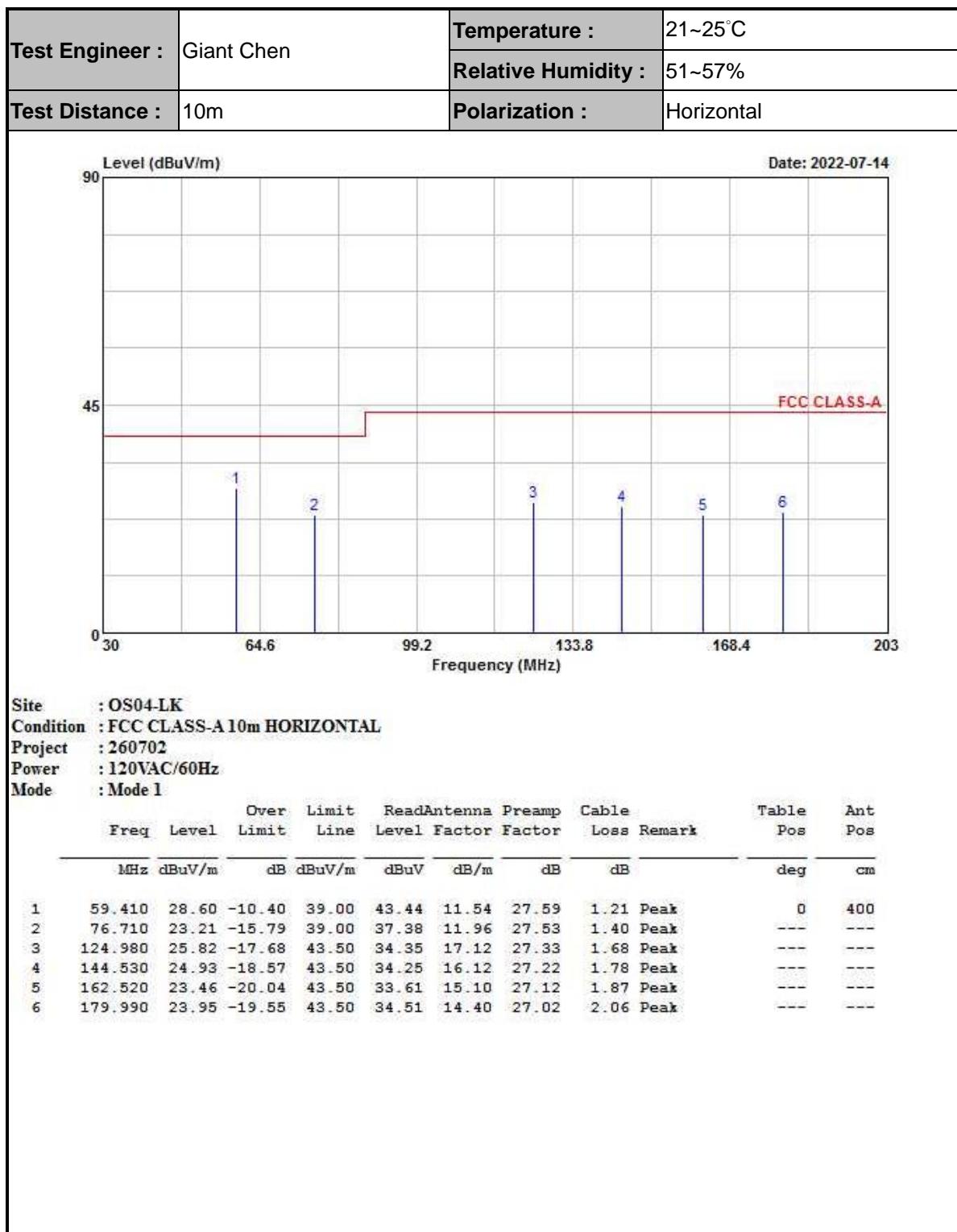


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	35.59	66.00	30.41	N	OFF	19.6
0.152250	49.30	---	79.00	29.70	N	OFF	19.6
0.604500	---	34.22	60.00	25.78	N	OFF	19.6
0.604500	43.16	---	73.00	29.84	N	OFF	19.6
1.113000	---	24.91	60.00	35.09	N	OFF	19.6
1.113000	32.33	---	73.00	40.67	N	OFF	19.6
3.088500	---	36.38	60.00	23.62	N	OFF	19.6
3.088500	37.99	---	73.00	35.01	N	OFF	19.6
9.609000	---	31.25	60.00	28.75	N	OFF	19.8
9.609000	38.94	---	73.00	34.06	N	OFF	19.8
17.409750	---	28.12	60.00	31.88	N	OFF	19.9
17.409750	35.51	---	73.00	37.49	N	OFF	19.9

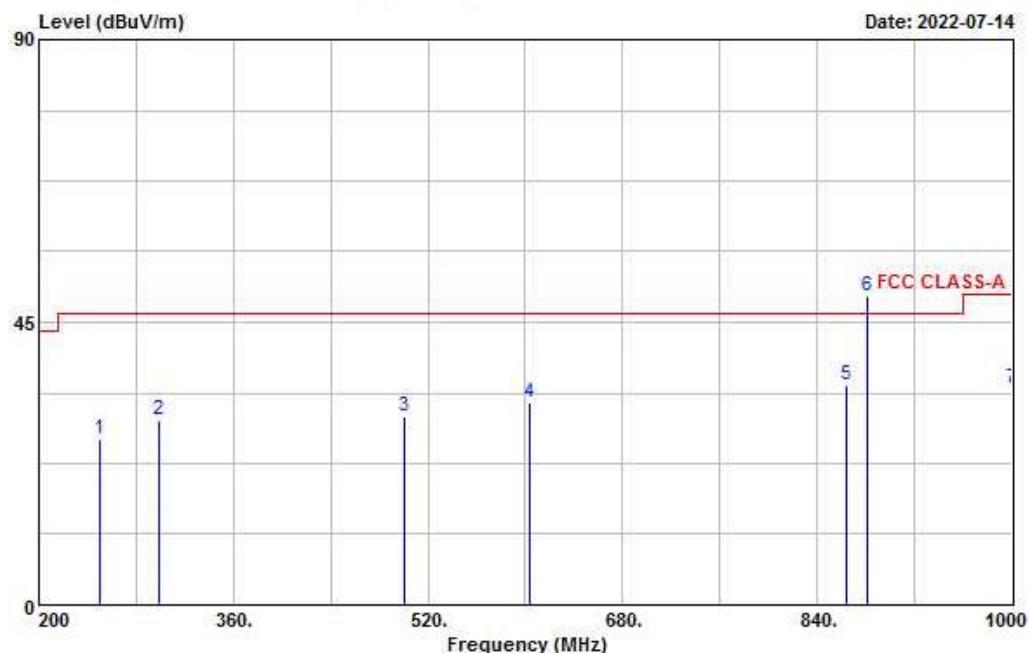


Appendix B. Radiated Emission Test Result





Test Engineer :	Giant Chen	Temperature :	21~25°C
		Relative Humidity :	51~57%
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 : 260702
Power : 120VAC/60Hz
Mode : Mode 1

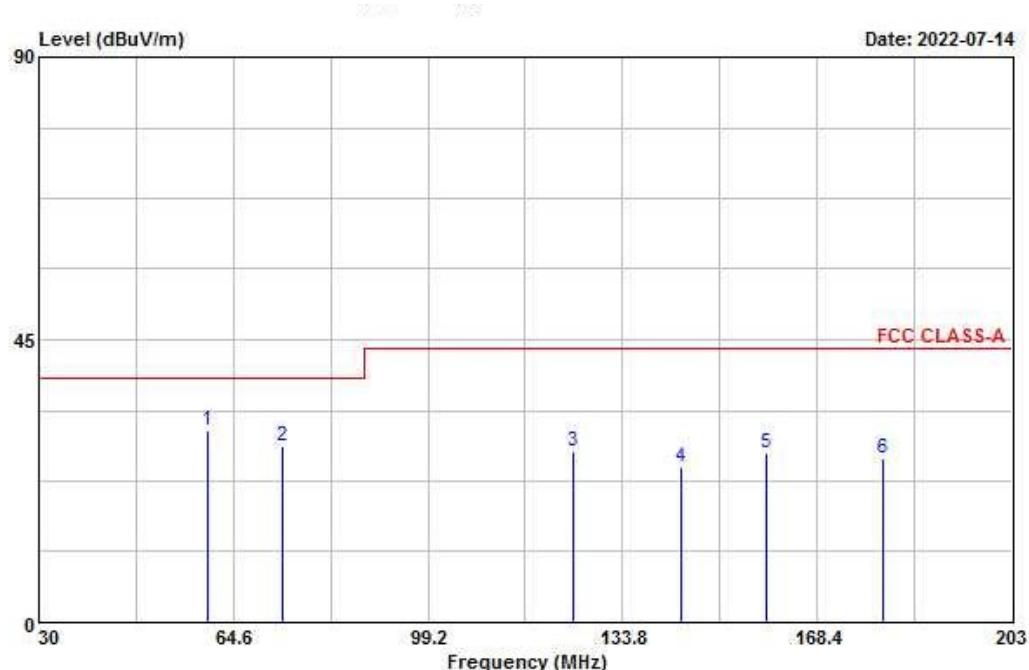
Freq	Over Limit	Line	Read		Antenna Preamp	Cable	Table	Ant
			Freq	Level				
1	249.600	26.44	-19.96	46.40	33.18	17.48	26.66	2.44 Peak
2	298.400	29.56	-16.84	46.40	35.32	18.36	26.68	2.56 Peak
3	500.000	30.06	-16.34	46.40	31.87	22.63	27.93	3.49 Peak
4	604.000	32.10	-14.30	46.40	32.21	23.82	28.00	4.07 Peak
5	864.000	34.93	-11.47	46.40	31.68	25.53	27.44	5.16 Peak
6 X	881.500	49.06	45.59	25.60	27.39	5.26 Peak
7	1000.000	34.40	-15.10	49.50	28.98	26.46	26.92	5.88 Peak



Test Engineer :	Donny Tang	Temperature :		23.9~24.6°C							
		Relative Humidity :		59.2~61.3%							
Test Distance :	3m	Polarization :		Horizontal							
Level (dBμV/m) Date: 2022-07-12											
97											
84.9											
72.8					FCC CLASS-A						
60.6											
48.5					FCC CLASS-A (AVG)						
36.4											
24.3											
12.1											
0											
1000.	2000.	3000.	4000.	6000.	8000.						
10000.	12000.	13000	Frequency (MHz)								
1	2	3	4	5	6						
7	8										
Site : 03CH10-HY											
Condition : FCC CLASS- A 3m 9120D-1325_211021 HORIZONTAL											
Project : 260702											
Power : 120Vac/60Hz											
Mode : 1											
Frequency	Level	Distance extrapolation	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak
		Factor	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Average
(MHz)	(dB μ V/m)	(dB)	(dB)	(dB μ V/m)	(dB μ V)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)
1256	53.95	10.45	-15.59	69.54	83.2	25.64	4.01	58.9	-	-	P
1256	42.33	10.45	-7.21	49.54	71.58	25.64	4.01	58.9	-	-	A
3332	57.38	10.45	-12.16	69.54	80.11	29.53	7.07	59.33	-	-	P
3332	30.27	10.45	-19.27	49.54	53	29.53	7.07	59.33	-	-	A
6882	39.21	10.45	-30.33	69.54	52.92	35.86	10.8	60.37	-	-	P
8962	38.36	10.45	-31.18	69.54	49.08	37.73	12.37	60.82	-	-	P
10000	40.68	10.45	-28.86	69.54	51.08	38.6	12.72	61.72	-	-	P
11122	38.11	10.45	-31.43	69.54	45.61	38.67	13.61	59.78	-	-	P



Test Engineer :	Giant Chen	Temperature :	21~25°C
Test Distance :	10m	Relative Humidity :	51~57%
Polarization :	Vertical		

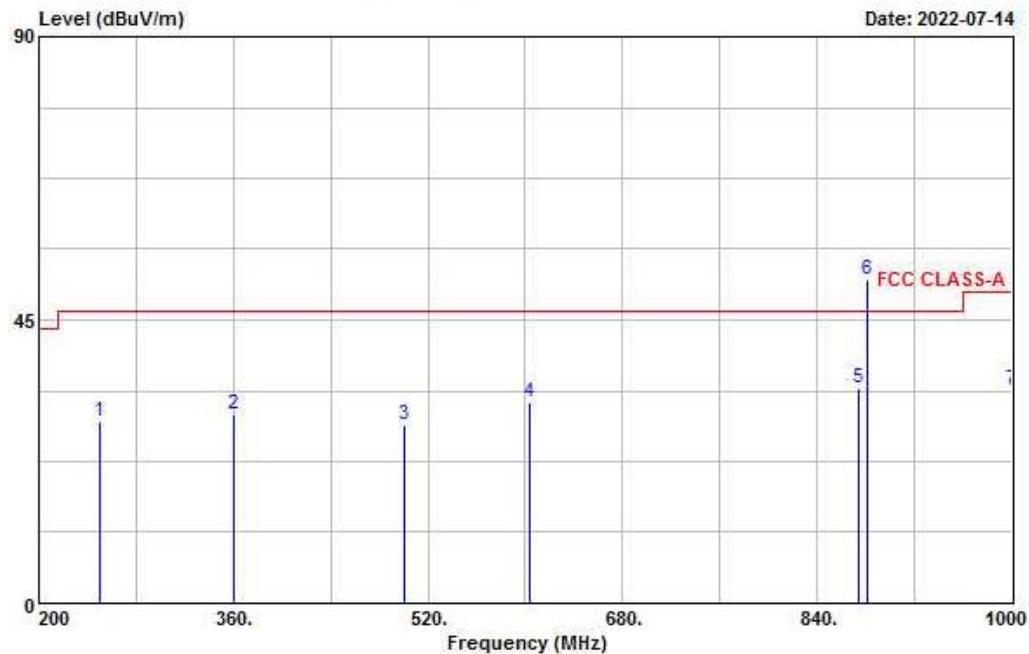


Site : OS04-LK
Condition : FCC CLASS-A 10m VERTICAL
Project : 260702
Power : 120VAC/60Hz
Mode : Mode 1

Freq	Level	Over	Limit	Read	Antenna	Preamp	Cable	Table	Ant
		Line	Level	Factor	Factor	Loss	Remark		
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	deg	cm
1	60.100	30.54	-8.46	39.00	45.28	11.62	27.59	1.23 Peak	---
2	73.250	27.98	-11.02	39.00	42.43	11.72	27.54	1.37 Peak	---
3	125.000	27.27	-16.23	43.50	35.80	17.12	27.33	1.68 QP	134 100
4	144.180	24.67	-18.83	43.50	33.99	16.12	27.22	1.78 Peak	---
5	159.400	26.97	-16.53	43.50	37.07	15.21	27.15	1.84 Peak	---
6	180.160	26.06	-17.44	43.50	36.62	14.40	27.02	2.06 Peak	---



Test Engineer :	Giant Chen	Temperature :	21~25°C
		Relative Humidity :	51~57%
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 : 260702
Power : 120VAC/60Hz
Mode : Mode 1

Freq	Level	Over Limit	Limit	Read		Antenna Preamp Factor	Cable Loss	Table Remark	Table Pos	Ant Pos	
				Line	Level						
MHz	dBuV/m		dB	dBuV/m		dBuV	dB/m	dB	dB	deg cm	
1	249.600	28.87	-17.53	46.40	35.61	17.48	26.66	2.44	Peak	---	---
2	360.000	29.90	-16.50	46.40	34.11	19.92	27.10	2.97	Peak	---	---
3	500.000	28.38	-18.02	46.40	30.19	22.63	27.93	3.49	Peak	---	---
4	604.000	31.81	-14.59	46.40	31.92	23.82	28.00	4.07	Peak	---	---
5	874.400	34.09	-12.31	46.40	30.69	25.59	27.41	5.22	Peak	---	---
6	881.500	51.47			48.00	25.60	27.39	5.26	Peak	---	---
7	1000.000	33.77	-15.73	49.50	28.35	26.46	26.92	5.88	Peak	---	---



Test Engineer :	Donny Tang	Temperature :		23.9~24.6°C							
		Relative Humidity :		59.2~61.3%							
Test Distance :	3m	Polarization :		Vertical							
<p>Site : 03CH10-HY Condition : FCC CLASS- A 3m 9120D-1325_211021 VERTICAL Project : 260702 Power : 120Vac/60Hz Mode : 1</p>											
Frequency	Level	Distance extrapolation	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak
(MHz)	(dB μ V/m)	(dB)	(dB)	(dB μ V/m)	(dB μ V)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)
1156	42.94	10.45	-26.6	69.54	72.56	25.43	3.84	58.89	-	-	P
2052	54.37	10.45	-15.17	69.54	81.06	26.85	5.24	58.78	-	-	P
2052	41.51	10.45	-8.03	49.54	68.2	26.85	5.24	58.78	-	-	A
3334	37.71	10.45	-31.83	69.54	60.44	29.53	7.07	59.33	-	-	P
6922	37.7	10.45	-31.84	69.54	51.28	35.86	10.93	60.37	-	-	P
8976	39.14	10.45	-30.4	69.54	49.82	37.74	12.41	60.83	-	-	P
10968	38.5	10.45	-31.04	69.54	45.89	38.76	13.48	59.63	-	-	P
11032	39.26	10.45	-30.28	69.54	46.65	38.7	13.54	59.63	-	-	P

—————THE END—————