FCC EMI TEST REPORT

FCC ID	:	**OJFRN610**
Equipment	:	**Corning 5G Sub-6 N77 Radio Node, Corning 5G Sub-6 N77 External Antenna Radio Node**
Brand Name	:	**Everon RAN**
Model Name	:	**SCRN-610-77**
Applicant	:	**Corning Optical Communications LLC 6 Concord Road, Shrewsbury, MA 01545**
Manufacturer	:	**Corning Optical Communications LLC 6 Concord Road, Shrewsbury, MA 01545**
Standard	:	**FCC 47 CFR FCC Part 15 Subpart B Class A**

The product was received on Jun. 17, 2022 and testing was performed from Jun. 21, 2022 to Nov. 04, 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.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory
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TEL : 886-3-327-3456
FAX : 886-3-328-4978

Table of Contents

History of this test report

Report No.	Version	Description	Issue Date
FC261332	01	Initial issue of report	Nov. 25, 2022

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.107	AC Conducted Emission	Pass	8.14 dB under the limit at 20.549 MHz
3.2	15.109	Radiated Emission	Pass	5.31 dB under the limit at 614.400 MHz

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:
The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Yung Hsu

Report Producer: Michelle Chen

1. General Description

1.1. Product Feature of Equipment Under Test

5G NR

Product Feature	
Sample 1	EUT with External Antenna
Sample 2	EUT with Internal Antenna
Antenna Type	External: DAM-Dipole Antenna Internal: PIFA 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	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. Hsinhua Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	10CH02-HY (TAF Code: 3785)
Remark	The Radiated Emission test item subcontracted to Sporton International Inc. Hsinhua Laboratory.

FCC designation No.: TW1093 and TW1129

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.

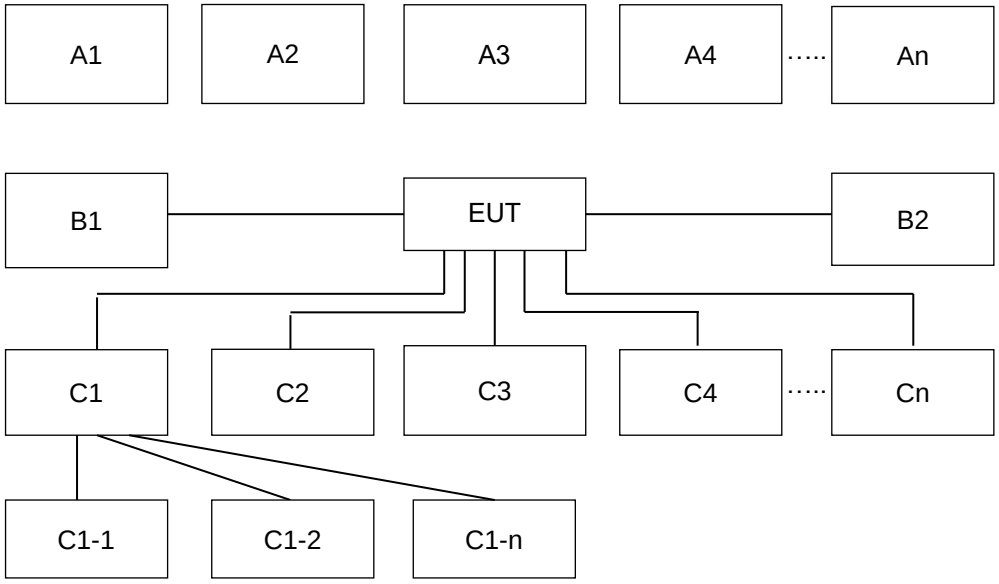
2. Test Configuration of Equipment Under Test

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 : 5G NR n77 on + EUT with external Antenna + Fiber connect to Switch + Adapter for Sample 1 Mode 2 : 5G NR n77 on + EUT with internal Antenna + Fiber connect to Switch + Adapter for Sample 2
Radiated Emissions	Mode 1 : 5G NR n77 on + EUT with external Antenna + Fiber connect to Switch + Adapter for Sample 1 Mode 2 : 5G NR n77 on + EUT with internal Antenna + Fiber connect to Switch + Adapter for Sample 2
Remark: **1.** The worst case of AC is mode 2; 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.** All the tests has been pretested. Since mode 1 is the worst case of RE, it has been tested in 10m test site.	

2.2. Connection Diagram of Test System



Test Setup										
No.	Power Source	Connection Type	Test Mode							
			1	2	-	-	-	-	-
B1	AC : 120V/60Hz	AC Power Cable	X	X	-	-	-	-	-
No.	**Setup Peripherals**	**Connection Type**	**1**	**2**	**-**	**-**	**-**	**-**	**-**
C1	Switch	SFP+ Cable	X	X	-	-	-	-	-
C2	BBU	RJ45 Cable & SFP+ Cable to C1	X	X	-	-	-	-	-
C3	Notebook	RJ-45 Cable to C2	X	X	-	-	-	-	-
C4	Antenna*4	N/A	X	-	-	-	-	-	-

2.3. Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
2.	Network Switch	ufiSpace	S9500-30XS	FCC DoC	N/A	Unshielded, 1.8 m
3.	BBU	WETL	WL21K1007-008	N/A	N/A	Unshielded, 1.8 m

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

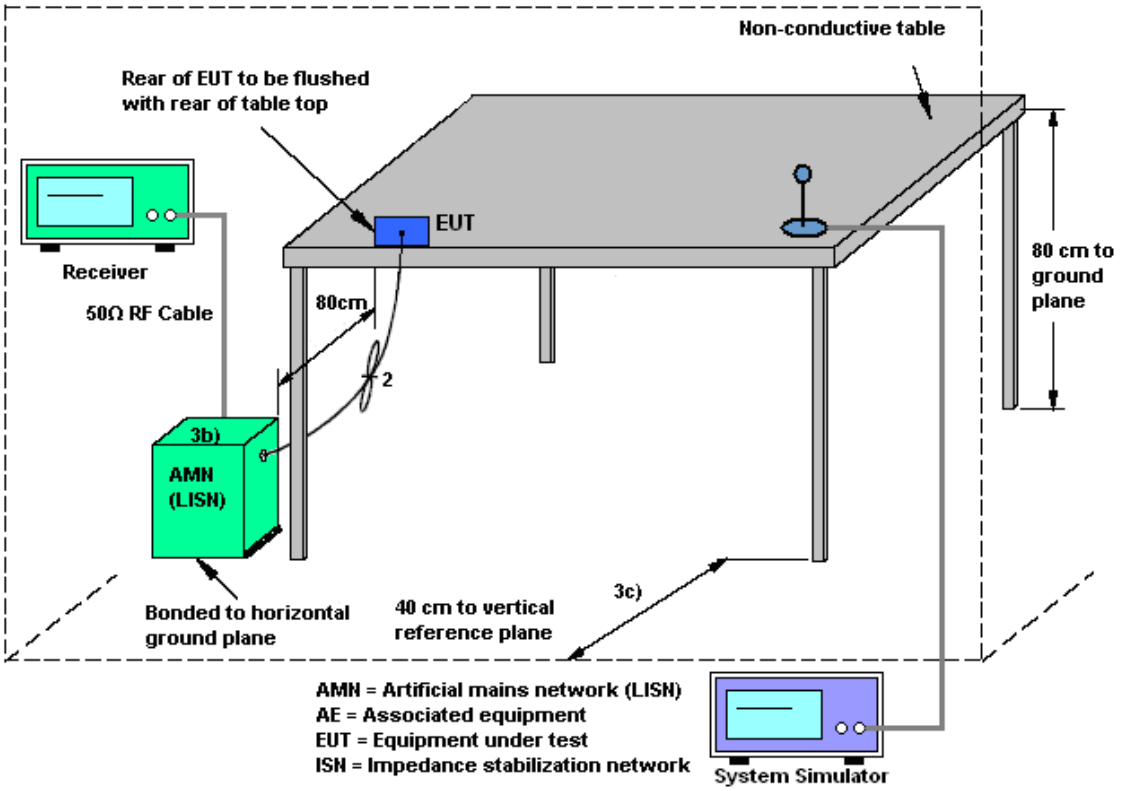
3.1.2. Measuring Instruments

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)	Measurement Distance (meters)
30 – 88	90	10
88 – 216	150	10
216 - 960	210	10
Above 960	300	10

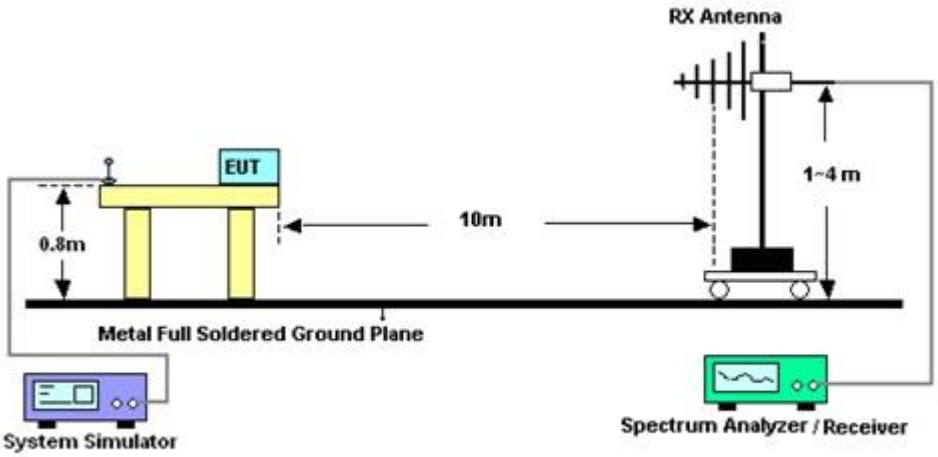
3.2.2. Measuring Instruments

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

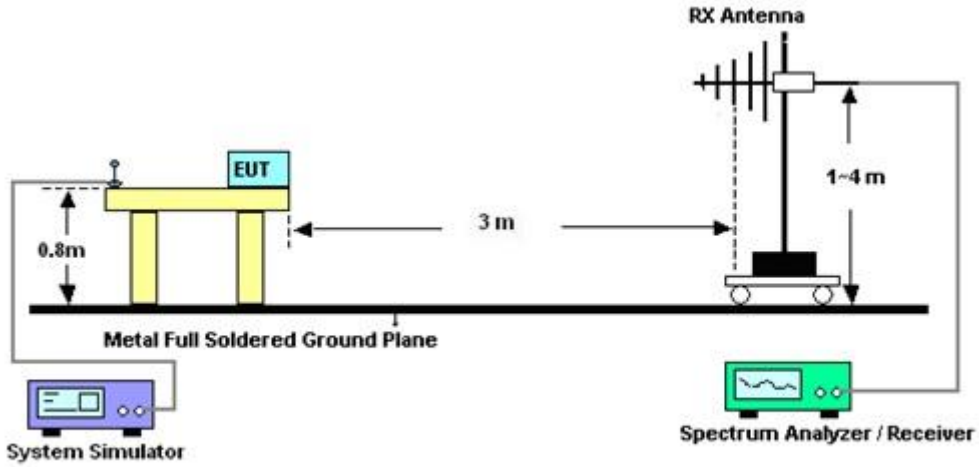
1. The EUT is placed on a turntable with 0.8 meter above ground.
2. The EUT is set 10 meters (30 M~1 G) and 3 meters (1 G~ 13 G) from the interference receiving antenna, which is mounted on the top of a variable height antenna tower.
3. The table is rotated 360 degrees to determine the position of the 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.

3.2.3. Test Setup of Radiated Emission

For Radiated Emissions from 30 MHz to 1 GHz



For Radiated Emissions above 1 GHz



3.2.4. 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
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jun. 21, 2022~ Oct. 19, 2022	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2021	Jun. 21, 2022~ Oct. 19, 2022	Nov. 30, 2022	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2021	Jun. 21, 2022~ Oct. 19, 2022	Nov. 16, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 03, 2021	Jun. 21, 2022~ Oct. 19, 2022	Dec. 02, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2021	Jun. 21, 2022~ Oct. 19, 2022	Nov. 15, 2022	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Jun. 21, 2022~ Oct. 19, 2022	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Jul. 28, 2021	Jun. 21, 2022	Jul. 27, 2022	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Aug. 01, 2022	Oct. 19, 2022	Jul. 31, 2023	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 30, 2021	Jun. 21, 2022~ Oct. 19, 2022	Dec. 29, 2022	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100472	20Hz~26.5GHz	Feb. 09, 2022	Jun. 22, 2022~ Oct. 21, 2022	Feb. 08, 2023	Radiation (03CH06-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1156	1GHz~18GHz	Sep. 27, 2021	Jun. 22, 2022	Sep. 26, 2022	Radiation (03CH06-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02037	1GHz~18GHz	Dec. 20, 2021	Oct. 21, 2022	Dec. 19, 2022	Radiation (03CH06-HY)
Preamplifier	Jet-Power	JPA00101800-30 -10P	1601180001	1GHz~18GHz	Jul. 19, 2021	Jun. 22, 2022	Jul. 18, 2022	Radiation (03CH06-HY)
Preamplifier	Jet-Power	JPA00101800-30 -10P	1601180001	1GHz~18GHz	Jul. 18, 2022	Oct. 21, 2022	Jul. 17, 2023	Radiation (03CH06-HY)
RF Cable	HUBER + SUHNER	SF102_7000mm	532299/2	30MHz to 40GHz	Jul. 05, 2021	Jun. 22, 2022	Jul. 04, 2022	Radiation (03CH06-HY)
RF Cable	HUBER + SUHNER	SF102_7000mm	532299/2	30MHz to 40GHz	Jul. 04, 2022	Oct. 21, 2022	Jul. 03, 2023	Radiation (03CH06-HY)
RF Cable	HUBER + SUHNER	SF102_3000mm	532422/2	30MHz to 40GHz	Jul. 05, 2021	Jun. 22, 2022	Jul. 04, 2022	Radiation (03CH06-HY)
RF Cable	HUBER + SUHNER	SF102_3000mm	532422/2	30MHz to 40GHz	Jul. 04, 2022	Oct. 21, 2022	Jul. 03, 2023	Radiation (03CH06-HY)
RF Cable	HUBER + SUHNER	SF102_2000mm	532421/2	30MHz to 40GHz	Jul. 05, 2021	Jun. 22, 2022	Jul. 04, 2022	Radiation (03CH06-HY)
RF Cable	HUBER + SUHNER	SF102_2000mm	532421/2	30MHz to 40GHz	Jul. 04, 2022	Oct. 21, 2022	Jul. 03, 2023	Radiation (03CH06-HY)
RF Cable	HUBER + SUHNER	SF104	802433/4	30Mhz to 18Ghz	Aug. 19, 2021	Jun. 22, 2022	Aug. 18, 2022	Radiation (03CH06-HY)
RF Cable	HUBER + SUHNER	SF104	802433/4	30Mhz to 18Ghz	Aug. 18, 2022	Oct. 21, 2022	Aug. 17, 2023	Radiation (03CH06-HY)
Controller	INN-CO	EM1000	060782	Control Turn table & Ant Mast	N/A	Jun. 22, 2022~ Oct. 21, 2022	N/A	Radiation (03CH06-HY)
Antenna Mast	MF	MF-7802	MF780208212	1m~4m	N/A	Jun. 22, 2022~ Oct. 21, 2022	N/A	Radiation (03CH06-HY)
Turn Table	INN-CO	DS2000	420/650/00	0-360 degree	N/A	Jun. 22, 2022~ Oct. 21, 2022	N/A	Radiation (03CH06-HY)
Software	Audix	E3 6.2009-8-24(k5)	N/A	N/A	N/A	Jun. 22, 2022~ Oct. 21, 2022	N/A	Radiation (03CH06-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Amplifier	AGILENT	8447D	2944A10827	100 KHz ~ 1.3 GHz	Jan. 03, 2022	Nov. 04, 2022	Jan. 02, 2023	Radiation (10CH02-HY)
Amplifier	AGILENT	8447D	2944A10828	100 KHz ~ 1.3 GHz	Jan. 03, 2022	Nov. 04, 2022	Jan. 02, 2023	Radiation (10CH02-HY)
Receiver	R&S	ESR7	100422	9 KHz ~ 7 GHz	Jul. 22, 2022	Nov. 04, 2022	Jul. 21, 2023	Radiation (10CH02-HY)
Spectrum Analyzer	KEYSIGHT	N9010A	MY54200401	10Hz - 44GHz	Dec. 21, 2021	Nov. 04, 2022	Dec. 20, 2022	Radiation (10CH02-HY)
Biconical Antenna	Schwarzbeck	VHBB 9124	287	30 MHz ~ 200 MHz	Nov. 19, 2021	Nov. 04, 2022	Nov. 18, 2022	Radiation (10CH02-HY)
Log Antenna	Schwarzbeck	VUSLP 9111	207	200 MHz ~ 1 GHz	Nov. 22, 2021	Nov. 04, 2022	Nov. 21, 2022	Radiation (10CH02-HY)
RF Cable-R10m	Jye Bao	RG142	CB027-INSIDE	30 MHz ~ 1 GHz	Sep. 14, 2022	Nov. 04, 2022	Sep. 13, 2023	Radiation (10CH02-HY)
RF Cable-R10m	MTJ	RG223/U + RG8/U	CB026-DOOR	30 MHz ~ 1 GHz	Sep. 14, 2022	Nov. 04, 2022	Sep. 13, 2023	Radiation (10CH02-HY)
Turn Table	EM Electronics	EM 1000	060546	0 -360 degree	NCR	Nov. 04, 2022	NCR	Radiation (10CH02-HY)
Antenna Mast	HD	MA240	240/664	1 m - 4 m	NCR	Nov. 04, 2022	NCR	Radiation (10CH02-HY)
Antenna Mast	HD	MA240	240/667	1 m - 4 m	NCR	Nov. 04, 2022	NCR	Radiation (10CH02-HY)
Software	Audix	e3	6.120210n	-	NCR	Nov. 04, 2022	NCR	Radiation (10CH02-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))	**3.50 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.44 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.40 dB**

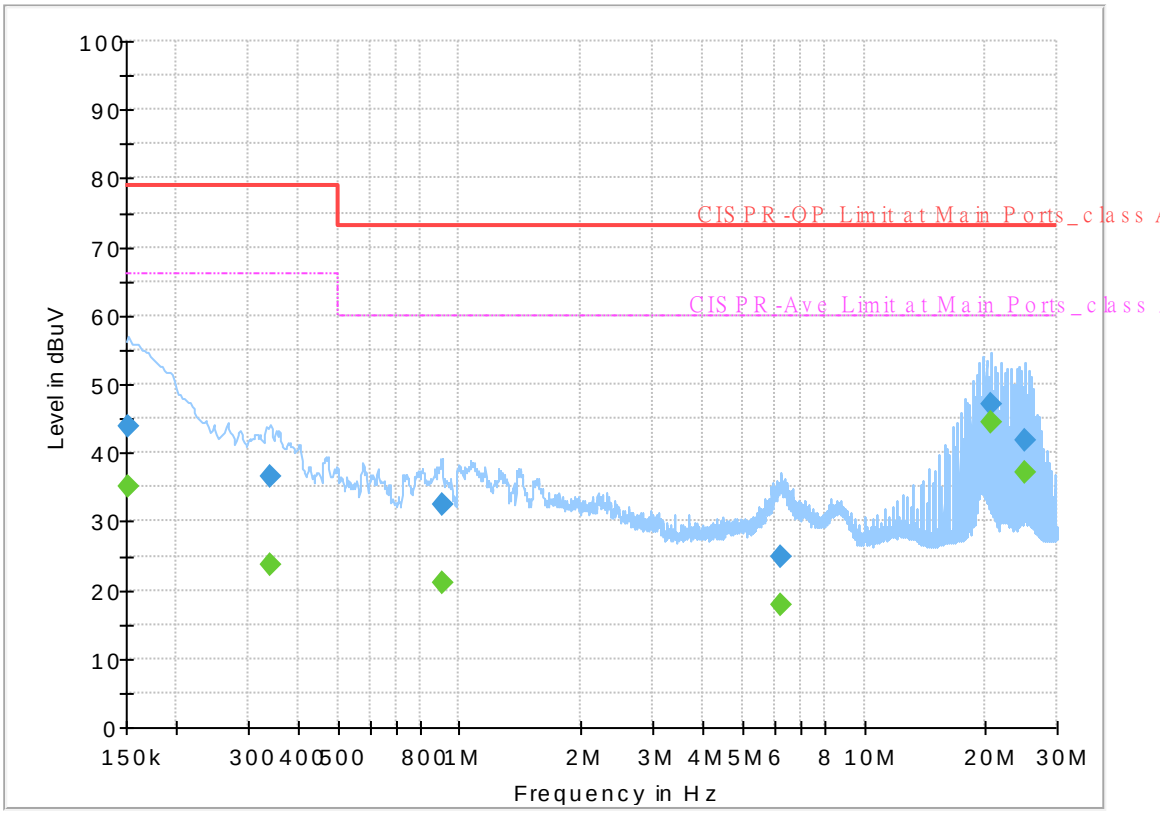
Appendix A. AC Conducted Emission Test Results

Test Engineer :	Tom Lee and Calvin Wang	**Temperature :**	23~26℃
		Relative Humidity :	45~55%

EUT Information

Report NO :	261332
Test Mode :	Mode 2
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



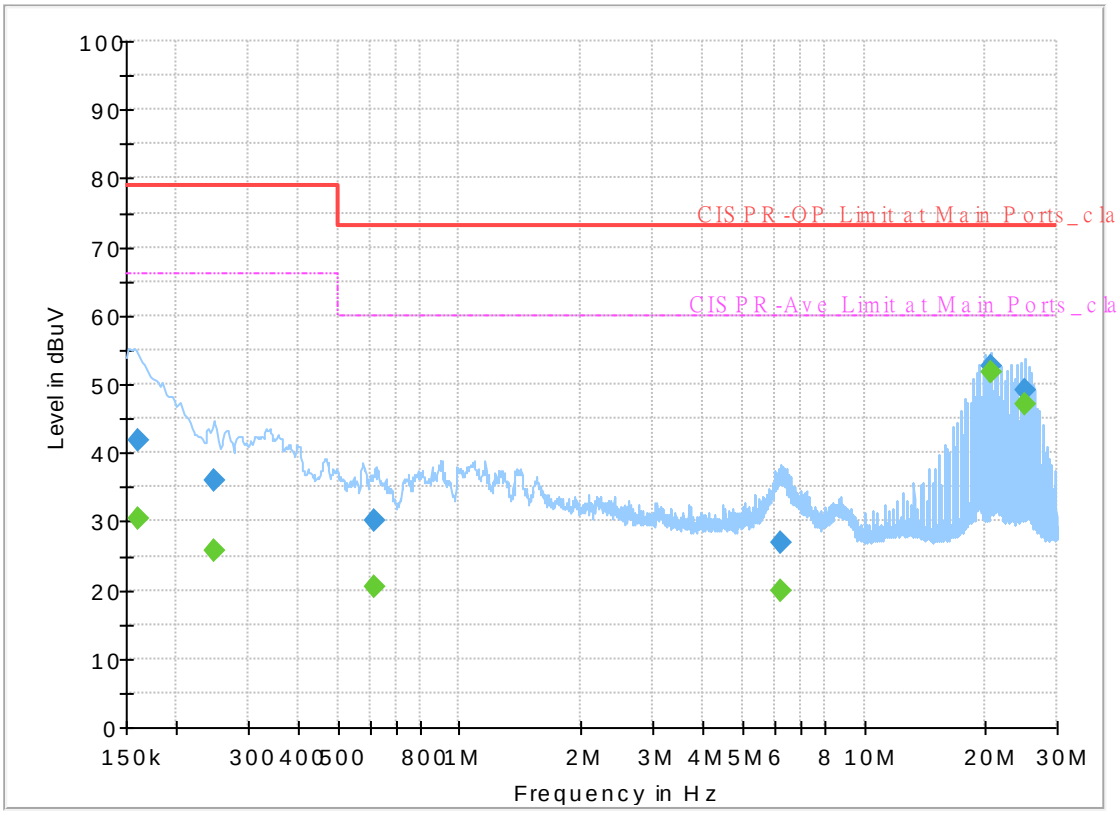
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	35.10	66.00	30.90	L1	OFF	19.8
0.152250	43.87	---	79.00	35.13	L1	OFF	19.8
0.339000	---	23.74	66.00	42.26	L1	OFF	19.8
0.339000	36.42	---	79.00	42.58	L1	OFF	19.8
0.906000	---	21.17	60.00	38.83	L1	OFF	19.8
0.906000	32.37	---	73.00	40.63	L1	OFF	19.8
6.207000	---	17.72	60.00	42.28	L1	OFF	19.9
6.207000	24.71	---	73.00	48.29	L1	OFF	19.9
20.521500	---	44.57	60.00	15.43	L1	OFF	20.0
20.521500	47.15	---	73.00	25.85	L1	OFF	20.0
25.026000	---	37.22	60.00	22.78	L1	OFF	20.0
25.026000	41.90	---	73.00	31.10	L1	OFF	20.0

EUT Information

Report NO :	261332
Test Mode :	Mode 2
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



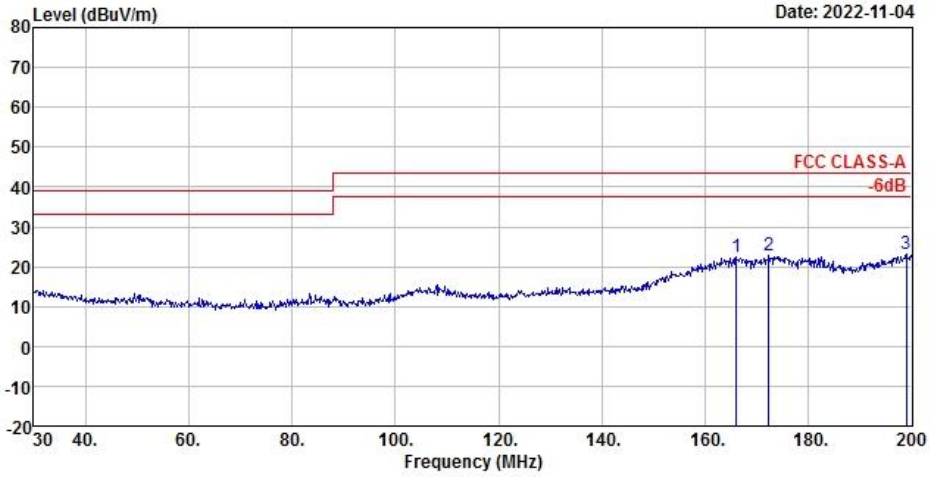
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	30.40	66.00	35.60	N	OFF	19.8
0.161250	41.69	---	79.00	37.31	N	OFF	19.8
0.249000	---	25.81	66.00	40.19	N	OFF	19.8
0.249000	36.05	---	79.00	42.95	N	OFF	19.8
0.618000	---	20.55	60.00	39.45	N	OFF	19.8
0.618000	29.97	---	73.00	43.03	N	OFF	19.8
6.249750	---	19.82	60.00	40.18	N	OFF	19.9
6.249750	26.94	---	73.00	46.06	N	OFF	19.9
20.548500	---	51.86	60.00	8.14	N	OFF	20.2
20.548500	52.71	---	73.00	20.29	N	OFF	20.2
25.057500	---	46.94	60.00	13.06	N	OFF	20.2
25.057500	49.19	---	73.00	23.81	N	OFF	20.2

Appendix B. Radiated Emission Test Result

Test Engineer :	Liu Ying Qi	**Temperature :**	24~26°C
Test Distance :	10m	**Relative Humidity :**	42~45%
Frequency	30 MHz ~ 200 MHz	**Polarization :**	Horizontal

■ Emission level (dBμV/m) = 20 log Emission level (μV/m)
■ Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

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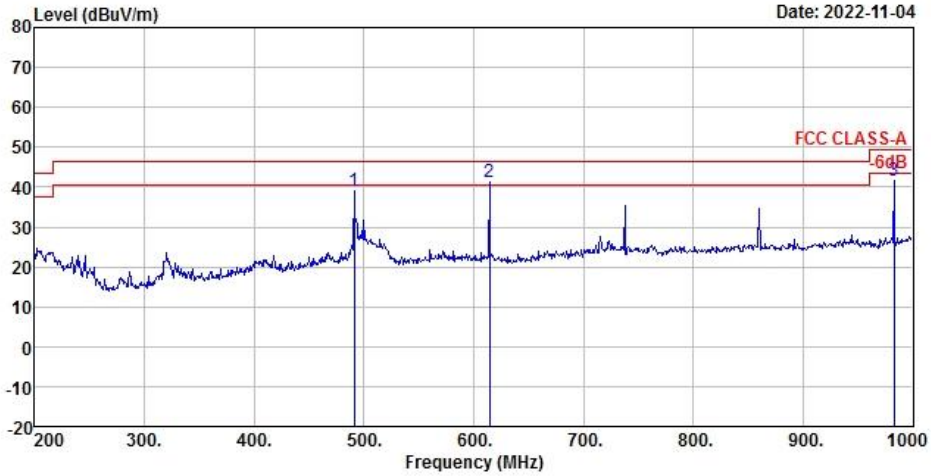
Site      : 10CH02-HY
Condition: FCC CLASS-A 10m BICO-VHBB9124-202111 HORIZONTAL
Project   : 261332
Power     : 120Vac/60Hz
Memo      : Mode 1
Memo      :
Memo      :
Memo      :
```

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB/m	dB		cm	deg
1	166.000	22.48	-21.02	43.50	33.38	4.81	12.20	27.91	Peak	---	---
2	172.290	22.75	-20.75	43.50	33.30	4.92	12.40	27.87	Peak	---	---
3 MX	198.980	23.00	-20.50	43.50	31.22	5.24	14.20	27.66	Peak	---	---

Test Engineer :	Liu Ying Qi	**Temperature :**	24~26°C
Test Distance :	10m	**Relative Humidity :**	42~45%
Frequency	200 MHz ~ 1000 MHz	**Polarization :**	Horizontal

■ Emission level (dBμV/m) = 20 log Emission level (μV/m)
■ Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

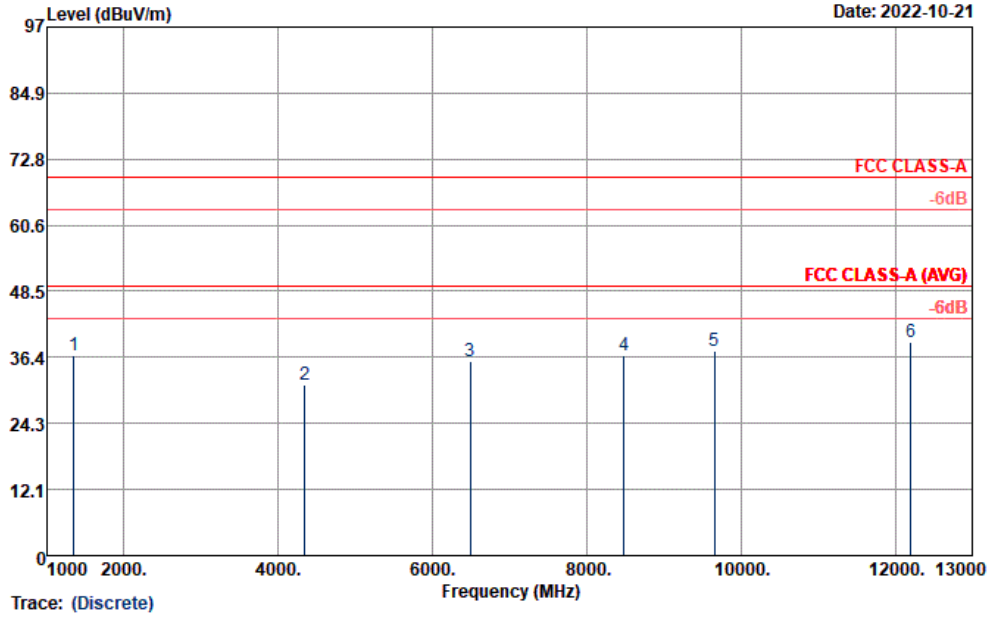



```
Site      : 10CH02-HY
Condition: FCC CLASS-A 10m LOG-9111-207-202111 HORIZONTAL
Project   : 261332
Power     : 120Vac/60Hz
Memo      : Mode 1
Memo      :
Memo      :
Memo      :
```

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB/m	dB		cm	deg
1	491.200	38.97	-7.43	46.40	45.83	4.36	17.25	28.47	Peak	---	---
2 MX	614.400	41.09	-5.31	46.40	45.45	4.73	19.41	28.50	Peak	100	122
3	983.200	41.54	-7.96	49.50	40.11	5.84	22.86	27.27	Peak	---	---

Test Engineer :	Howard Huang and Bor-Shiang, Huang	**Temperature :**	24~28°C
Test Distance :	3m	**Relative Humidity :**	40~45%
Frequency	1000 MHz ~ 13000 MHz	**Polarization :**	Horizontal

■ Emission level (dBμV/m) = 20 log Emission level (μV/m)
■ Corrected Reading: Antenna Factor + Path Loss - Preamp Factor + Aux Factor + Distance Factor + Read Level = Level
■ Path loss= Cable Loss + Aux Factor

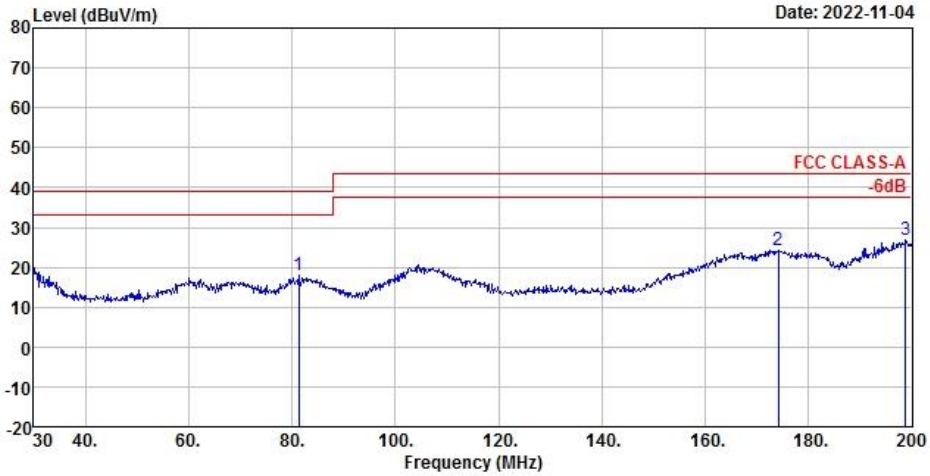


Site : 03CH06-HY
Condition : FCC CLASS-A 3m 9120D_02037 HORIZONTAL
Project : 261332
Power : 120Vac/60Hz
Memo : Mode 1

Frequency	Level	Distance extrapolation	Over	Limit	Read	Antenna	Path	Preamp	Aux	Ant	Table	Peak
		Factor	Limit	Line	Level	Factor	Loss	Factor	Factor	Pos	Pos	Average
(MHz)	(dBμV/m)	(dB)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(dB)	(cm)	(deg)	(P/A)
1352	36.68	-10.45	-32.86	69.54	78.63	25.89	5.86	63.97	0.72	---	---	P
4348	31.41	-10.45	-38.13	69.54	62.08	31.59	10.6	63.64	1.23	---	---	P
6492	35.58	-10.45	-33.96	69.54	61.24	35.17	13.04	64.43	1.01	---	---	P
8480	36.86	-10.45	-32.68	69.54	58.95	37.46	14.76	64.9	1.04	---	---	P
9658	37.5	-10.45	-32.04	69.54	57.95	38.07	15.87	64.96	1.02	---	---	P
12204	39.12	-10.45	-30.42	69.54	55.91	39.19	17.81	64.33	0.99	---	---	P

Test Engineer :	Liu Ying Qi	**Temperature :**	24~26°C
Test Distance :	10m	**Relative Humidity :**	42~45%
Frequency	30 MHz ~ 200 MHz	**Polarization :**	Vertical

■ Emission level (dBμV/m) = 20 log Emission level (μV/m)
■ Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

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Site      : 10CH02-HY
Condition: FCC CLASS-A 10m BICO-VHBB9124-202111 VERTICAL
Project   : 261332
Power     : 120Vac/60Hz
Memo      : Mode 1
Memo      :
Memo      :
Memo      :
```
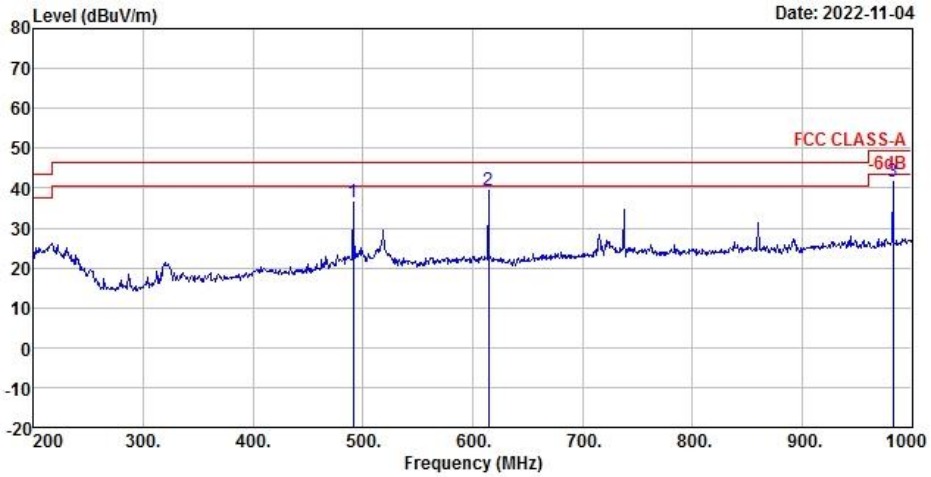

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB/m	dB		cm	deg
1	81.340	17.88	-21.12	39.00	34.28	3.24	8.67	28.31	Peak	---	---
2	174.160	24.20	-19.30	43.50	34.59	4.95	12.52	27.86	Peak	---	---
3 MX	198.810	26.83	-16.67	43.50	35.05	5.24	14.20	27.66	Peak	---	---

Test Engineer :	Liu Ying Qi	**Temperature :**	24~26°C
Test Distance :	10m	**Relative Humidity :**	42~45%
Frequency	200 MHz ~ 1000 MHz	**Polarization :**	Vertical

■ Emission level (dBμV/m) = 20 log Emission level (μV/m)
■ Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

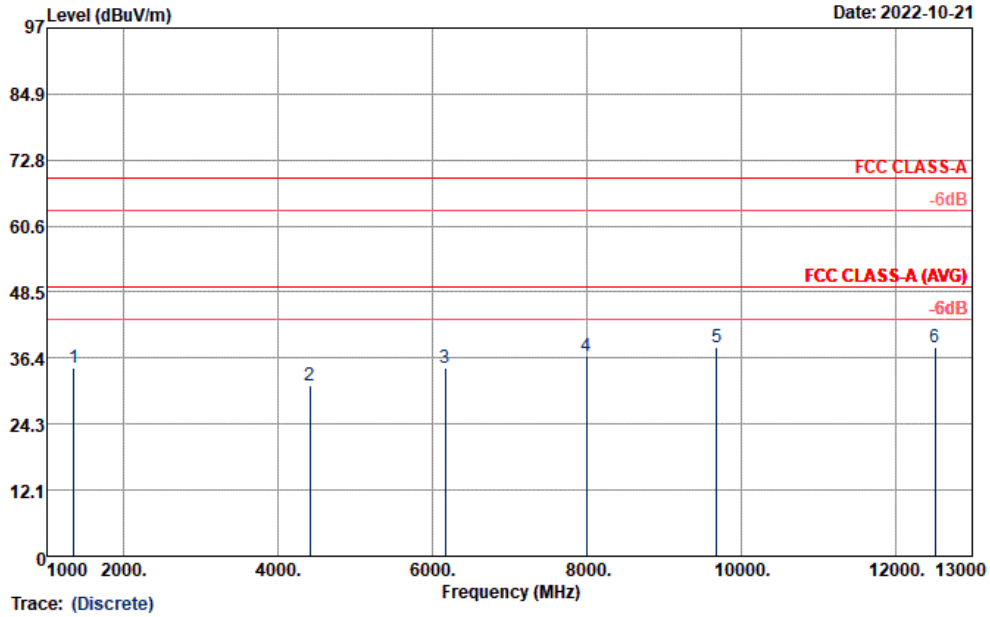



```
Site      : 10CH02-HY
Condition: FCC CLASS-A 10m LOG-9111-207-202111 VERTICAL
Project   : 261332
Power     : 120Vac/60Hz
Memo      : Mode 1
Memo      :
Memo      :
Memo      :
```

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB/m	dB		cm	deg
1	491.200	36.49	-9.91	46.40	43.35	4.36	17.25	28.47	Peak	---	---
2 MX	614.400	39.38	-7.02	46.40	43.74	4.73	19.41	28.50	Peak	200	150
3	983.200	41.64	-7.86	49.50	40.21	5.84	22.86	27.27	Peak	---	---

Test Engineer :	Howard Huang and Bor-Shiang, Huang	**Temperature :**	24~28°C
Test Distance :	3m	**Relative Humidity :**	40~45%
Frequency	1000 MHz ~ 13000 MHz	**Polarization :**	Vertical

■ Emission level (dBμV/m) = 20 log Emission level (μV/m)
■ Corrected Reading: Antenna Factor + Path Loss - Preamp Factor + Aux Factor + Distance Factor + Read Level = Level
■ Path loss= Cable Loss + Aux Factor



Site : 03CH06-HY
Condition : FCC CLASS-A 3m 9120D_02037 VERTICAL
Project : 261332
Power : 120Vac/60Hz
Memo : Mode 1

Frequency	Level	Distance extrapolation Factor	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Aux Factor	Ant Pos	Table Pos	Peak Average
(MHz)	(dBμV/m)	(dB)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(dB)	(cm)	(deg)	(P/A)
1352	34.53	-10.45	-35.01	69.54	76.48	25.89	5.86	63.97	0.72	---	---	P
4408	31.48	-10.45	-38.06	69.54	61.72	31.9	10.68	63.58	1.21	---	---	P
6168	34.51	-10.45	-35.03	69.54	61.2	34.24	12.86	64.44	1.1	---	---	P
7996	36.72	-10.45	-32.82	69.54	59.46	37.01	14.46	64.79	1.03	---	---	P
9688	38.45	-10.45	-31.09	69.54	59.08	37.95	15.88	64.98	0.97	---	---	P
12518	38.25	-10.45	-31.29	69.54	54.79	38.95	18.06	64.09	0.99	---	---	P