



Report No.: FC3N0925

# **FCC EMI TEST REPORT**

FCC ID : 2AZULRS8682

Equipment : 5G n48 RRU 4x4 5W/Ch Outdoor

Brand Name : LIONS Model Name : RS8682

Applicant : LIONS Twiwan Technology Inc.

3F.-2, No. 120, Sec. 2, Gongdao 5th Rd., East Dist., Hsinchu City 300031, Taiwan (R.O.C.)

Manufacturer : LIONS Twiwan Technology Inc.

3F.-2, No. 120, Sec. 2, Gongdao 5th Rd., East Dist., Hsinchu City 300031, Taiwan (R.O.C.)

Standard : FCC 47 CFR FCC Part 15 Subpart B Class B

The product was received on Nov. 21, 2023 and testing was performed from Nov. 27, 2023 to Dec. 26, 2023. 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 C63.4a-2017 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.

Lunis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory

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

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Report Template No.: BU5-FD15B Version 2.5

# History of this test report

Report No.: FC3N0925

Report No.	Version	Description	Issue Date
FC3N0925	01	Initial issue of report	Jan. 04, 2024

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# **Summary of Test Result**

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Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.107	AC Conducted Emission	Pass	7.94 dB under the limit at 0.39 MHz
3.2	15.109	Radiated Emission	Pass	5.10 dB under the limit at 75.09 MHz for Quasi-Peak

#### **Conformity Assessment Condition:**

- The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the
  regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who
  shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken
  into account.
- 2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

#### Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Keven Cheng Report Producer: Lilian Hou

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# 1. General Description

# 1.1. Product Feature of Equipment Under Test

	Product Feature	
General Specs		
5G NR and GNSS.		

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**Remark:** The EUT's information above is declared by manufacturer. Please refer to Disclaimer 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
	No.52, Huaya 1st Rd., Guishan Dist.,
Test Site Location	Taoyuan City 333, Taiwan (R.O.C.)
rest Site Location	TEL: +886-3-327-3456
	FAX: +886-3-328-4978
Test Site No.	Sporton Site No.
rest Site No.	CO05-HY, 03CH06-HY

FCC designation No.: TW1093

# 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 B
- + ANSI C63.4a-2017

**Remark:** All test items were verified and recorded according to the standards and without any deviation during the test.

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# 2. Test Configuration of Equipment Under Test

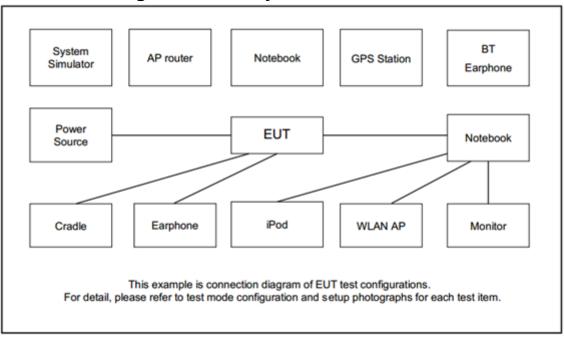
## 2.1. Test Mode

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 C63.4a-2017. Frequency range covered: Conduction Emission (150 kHz to 30 MHz), Radiation Emission (30 MHz to the 5<sup>th</sup> harmonics of the highest fundamental frequency or to 40 GHz, whichever is lower).

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Test Items Functions Enabled			
AC Conducted Emission	Mode 1: 5G NR n48 on + LAN 1 Link Notebook + Fiber Connect to Switch + Adapter		
Radiated Emissions	Mode 1: 5G NR n48 on + LAN 1 Link Notebook + Fiber Connect to Switch		

# 2.2. Connection Diagram of Test System



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 3420	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
2.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Server	Quanta	D52Y-2U	N/A	N/A	Unshielded, 1.8 m

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# 2.4. EUT Operation Test Setup

The EUT is in 5G NR n48 idle mode during the test. The EUT is synchronized with the BCCH, and has been continuous receiving mode by setting paging reorganization of the system simulator.

The following programs installed in the EUT are programmed during the test:

1. EUT links with Notebook and executes ping.

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## 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.

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#### <Class B>

Frequency of emission	Conducted	limit (dBuV)
(MHz)	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

<sup>\*</sup>Decreases with the logarithm of the frequency.

## 3.1.2. Measuring Instruments

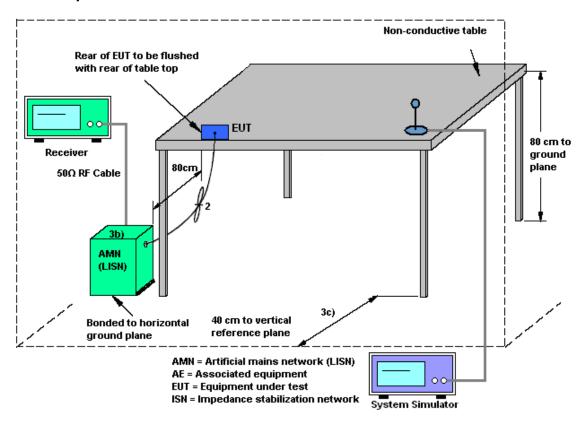
Please refer to the measuring equipment list in this test report.

### 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.
- 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.

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# 3.1.4. Test Setup



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## 3.1.5. Test Result of AC Conducted Emission

Please refer to Appendix A.

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### 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:

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#### <Class B>

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

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

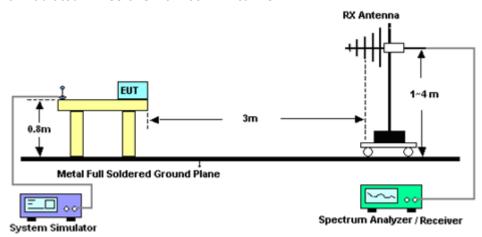
#### 3.2.3. Test Procedures

- 1. The EUT is placed on a turntable with 0.8 meter above ground.
- 2. The EUT is set 3 meters (30MHz~18GHz) and 1 meter (18GHz~40GHz) 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.
- 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.

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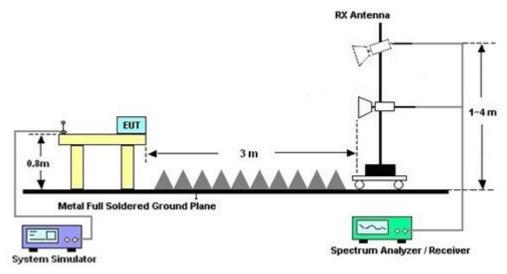
# 3.2.4. Test Setup of Radiated Emission

### For Radiated Emissions from 30 MHz to 1 GHz



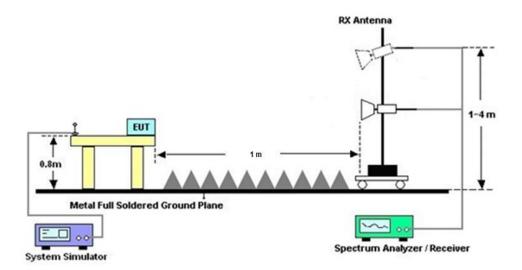
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#### For Radiated Emissions from 1GHz to 18GHz



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### For Radiated Emissions above 18GHz



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# 3.2.5. Test Result of Radiated Emission

Please refer to Appendix B.

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# 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	Dec. 26, 2023	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Dec. 06, 2023	Dec. 26, 2023	Dec. 05, 2024	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Oct. 26, 2023	Dec. 26, 2023	Oct. 25, 2024	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 22, 2023	Dec. 26, 2023	Nov. 21, 2024	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Dec. 26, 2023	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBE CK	VTSD 9561-F N	00691	9kHz-200MHz	Jul. 28, 2023	Dec. 26, 2023	Jul. 27, 2024	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 29, 2022	Dec. 26, 2023	Dec. 28, 2023	Conduction (CO05-HY)
Amplifier	SONOMA	310N	186713	9kHz~1GHz	Apr. 17, 2023	Dec. 25, 2023	Apr. 16, 2024	Radiation (03CH06-HY)
Bilog Antenna	Schaffner	CBL 6111C & N-6-06	2725 & AT-N0601	30MHz~1GHz	Nov. 03, 2023	Dec. 25, 2023	Nov. 02, 2024	Radiation (03CH06-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100472	20Hz~26.5GHz	Feb. 13, 2023	Dec. 25, 2023	Feb. 12, 2024	Radiation (03CH06-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1212	1GHz~18GHz	Mar. 23, 2023	Nov. 27, 2023	Mar. 22, 2024	Radiation (03CH06-HY)
Preamplifier	Jet-Power	JPA00101800-3 0-10P	1601180001	1GHz~18GHz	Jul. 16, 2023	Dec. 25, 2023	Jul. 15, 2024	Radiation (03CH06-HY)
RF Cable	HUBER + SUHNER	104 SF102_2000mm SF102_3000mm SF102_7000mm	802433/4 532421/2 532422/2 532299/2	30Mhz to 18Ghz	Jul. 03, 2023	Dec. 25, 2023	Jul. 02, 2024	Radiation (03CH06-HY)
Hygrometer	TECPEL	DTM-303B	TP210018	N/A	Oct. 24, 2023	Dec. 25, 2023	Oct. 23, 2024	Radiation (03CH06-HY)
Controller	INN-CO	EM1000	060782	Control Turn table & Ant Mast	N/A	Dec. 25, 2023	N/A	Radiation (03CH06-HY)
Antenna Mast	MF	MF-7802	MF780208212	1m~4m	N/A	Dec. 25, 2023	N/A	Radiation (03CH06-HY)
Turn Table	INN-CO	DS2000	420/650/00	0-360 degree	N/A	Dec. 25, 2023	N/A	Radiation (03CH06-HY)
Software	Audix	E3 6.2009-8-24(k5)	N/A	N/A	N/A	Dec. 25, 2023	N/A	Radiation (03CH06-HY)
Signal Analyzer	R&S	FSV3044	101104	10Hz~44GHz	Feb. 21, 2023	Dec. 25, 2023	Feb. 20, 2024	Radiation (03CH06-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	00991	18~40GHz	Jun. 1, 2023	Dec. 25, 2023	May. 31, 2024	Radiation (03CH06-HY)
Preamplifier	EMEC	EM18G40G	0600789	18~40GHz	Jul. 25, 2023	Dec. 25, 2023	Jul. 24, 2024	Radiation (03CH06-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	Apr. 20, 2023	Dec. 25, 2023	Apr. 19, 2024	Radiation (03CH06-HY)

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# 5. Measurement Uncertainty

## <u>Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)</u>

Measuring Uncertainty for a Level of Confidence	3.5 dB
of 95% (U = 2Uc(y))	3.5 UB

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

Measuring Uncertainty for a Level of Confidence	6.3 dB
of 95% (U = 2Uc(y))	0.3 UB

## <u>Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)</u>

Measuring Uncertainty for a Level of Confidence	4.7 dB
of 95% (U = 2Uc(y))	4.7 UB

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

Measuring Uncertainty for a Level of Confidence	4.0.40
of 95% (U = 2Uc(y))	4.6 dB

### <u>Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)</u>

Measuring Uncertainty for a Level of Confidence	5.2 dB
of 95% (U = 2Uc(y))	3.2 ub

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# **Appendix A. AC Conducted Emission Test Results**

Test Engineer :	Calvin Wang	Temperature :	23~26℃
rest Engineer:	Calvin Wang	Relative Humidity :	45~55%

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# **EUT Information**

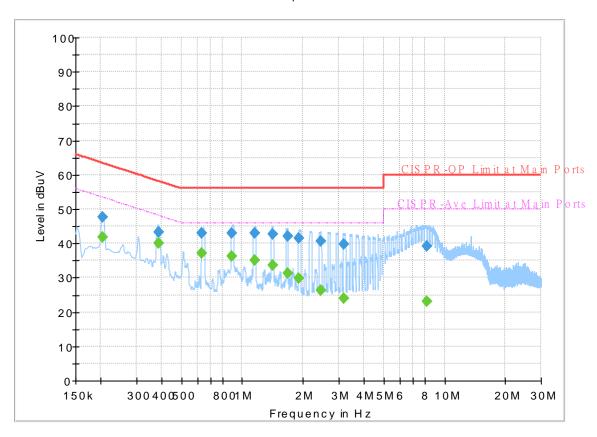
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 Test Mode :
 Mode 1

 Test Voltage :
 120Vac/60Hz

Phase: Line

## FullSpectrum



# **Final Result**

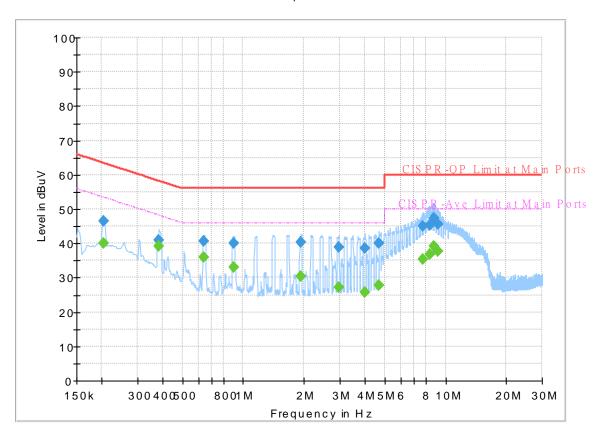
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.204000		41.69	53.45	11.76	L1	OFF	19.8
0.204000	47.63		63.45	15.82	L1	OFF	19.8
0.386250		40.20	48.14	7.94	L1	OFF	19.8
0.386250	43.28		58.14	14.86	L1	OFF	19.8
0.633750		37.23	46.00	8.77	L1	OFF	19.8
0.633750	43.01		56.00	12.99	L1	OFF	19.8
0.890250	-	36.28	46.00	9.72	L1	OFF	19.8
0.890250	42.97		56.00	13.03	L1	OFF	19.8
1.158000	-	35.22	46.00	10.78	L1	OFF	19.9
1.158000	43.01		56.00	12.99	L1	OFF	19.9
1.414500		33.72	46.00	12.28	L1	OFF	19.9
1.414500	42.63		56.00	13.37	L1	OFF	19.9
1.671000	-	31.32	46.00	14.68	L1	OFF	19.9
1.671000	42.09		56.00	13.91	L1	OFF	19.9
1.907250		29.75	46.00	16.25	L1	OFF	19.9
1.907250	41.57		56.00	14.43	L1	OFF	19.9
2.436000		26.27	46.00	19.73	L1	OFF	19.9
2.436000	40.79		56.00	15.21	L1	OFF	19.9
3.196500		23.95	46.00	22.05	L1	OFF	19.9
3.196500	39.68		56.00	16.32	L1	OFF	19.9
8.220750		23.00	50.00	27.00	L1	OFF	19.9

8.220750	39.07	-	60.00	20.93	L1	OFF	19.9
					•		

# **EUT Information**

Report NO: 3N0925
Test Mode: Mode 1
Test Voltage: 120Vac/60Hz
Phase: Neutral

Full Spectrum

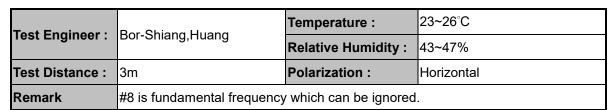


# **Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.204000	-	40.08	53.45	13.37	N	OFF	19.8
0.204000	46.39		63.45	17.06	N	OFF	19.8
0.384000		39.24	48.19	8.95	N	OFF	19.8
0.384000	40.90		58.19	17.29	N	OFF	19.8
0.640500		35.92	46.00	10.08	N	OFF	19.8
0.640500	40.60		56.00	15.40	N	OFF	19.8
0.899250	-	32.95	46.00	13.05	N	OFF	19.8
0.899250	40.07		56.00	15.93	N	OFF	19.8
1.934250		30.41	46.00	15.59	N	OFF	19.9
1.934250	40.23		56.00	15.77	N	OFF	19.9
2.955750		27.06	46.00	18.94	N	OFF	19.9
2.955750	38.95		56.00	17.05	N	OFF	19.9
3.975000		25.73	46.00	20.27	N	OFF	19.9
3.975000	38.51		56.00	17.49	N	OFF	19.9
4.690500		27.87	46.00	18.13	N	OFF	19.9
4.690500	39.98		56.00	16.02	N	OFF	19.9
7.743750		35.42	50.00	14.58	N	OFF	19.9
7.743750	45.12		60.00	14.88	N	OFF	19.9
8.355750	-	36.91	50.00	13.09	N	OFF	19.9
8.355750	45.43		60.00	14.57	N	OFF	19.9
8.763000		39.18	50.00	10.82	N	OFF	19.9

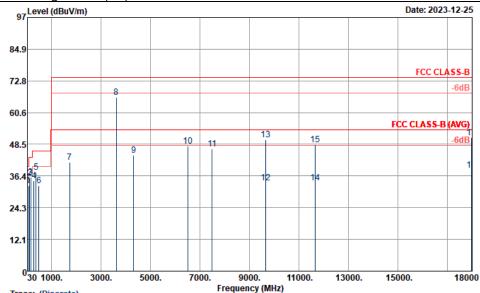
8.763000	47.45		60.00	12.55	N	OFF	19.9
9.170250		37.74	50.00	12.26	N	OFF	20.0
9.170250	45.72		60.00	14.28	N	OFF	20.0

# **Appendix B. Radiated Emission Test Result**



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



Trace: (Discrete)

Site : 03CH06-HY

: FCC CLASS-B 3m 9120D\_1212 HORIZONTAL Condition

: 3N0925 Project : 120Vac/60Hz Power Memo : Mode 1

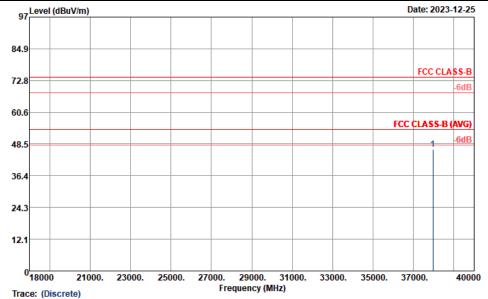
Memo		mode I	_						
			0ver	Limit	Read		A/Pos	1/Pos	
	Freq	Level	Limit	Line	Level	Factor			Remark
_	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	cm	deg	
1	77.79	32.63	-7.37	40.00	49.49	-16.86			Peak
2	125.04	35.64	-7.86	43.50	47.84	-12.20			Peak
3	162.30	36.04	-7.46	43.50	49.47	-13.43			Peak
4	300.00	34.71	-11.29	46.00	44.34	-9.63			Peak
5	374.90	37.90	-8.10	46.00	45.51	-7.61			Peak
6	500.20	32.81	-13.19	46.00	37.28	-4.47			Peak
7	1742.00	41.74	-32.26	74.00	70.94	-29.20			Peak
8	3624.00	66.51			87.84	-21.33			Peak
9	4316.00	44.20	-29.80	74.00	63.31	-19.11			Peak
10	6506.00	47.89	-26.11	74.00	61.62	-13.73			Peak
11	7492.00	46.73	-27.27	74.00	59.05	-12.32			Peak
12	9672.00	33.79	-20.21	54.00	42.60	-8.81	100	115	Average
13	9672.00	50.13	-23.87	74.00	58.94	-8.81	100	115	Peak
14	11648.00	33.76	-20.24	54.00	40.80	-7.04	100	234	Average
15	11648.00	48.23	-25.77	74.00	55.27	-7.04	100	234	Peak
16	17970.00	38.64	-15.36	54.00	32.90	5.74	100	175	Average
17	17970.00	51.10	-22.90	74.00	45.36	5.74	100	175	Peak

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Toot Engineer		Temperature :	23~26°C
Test Engineer :	Bor-Sniang,Huang	Relative Humidity :	43~47%
Test Distance :	1m	Polarization :	Horizontal

Report No.: FC3N0925

- Emission level (dBµV/m) = 20 log Emission level (µV/m)
- Distance extrapolation factor (for above 18GHz) = 20 log (test distance / specific distance) (dB)
- EX.: Distance extrapolation factor = 20 log (1/3) = -9.54 (dB)
- Factor(dB) = Antenna Factor + Cable Loss + Filter loss Preamp Factor + Distance extrapolation factor
- Level = Read Level + Factor(dB)



Site : 03CH06-HY

Condition : FCC CLASS-B 3m BBHA\_9170251 HORIZONTAL

Project : 3N0925 Power : 120Vac/60Hz Memo : Mode 1

 Over Limit
 Read
 A/Pos
 T/Pos

 Freq Level Limit
 Line
 Level Factor
 Remark

 MHz dBuV/m
 dB dBuV/m
 dBuV dB/m
 cm
 deg

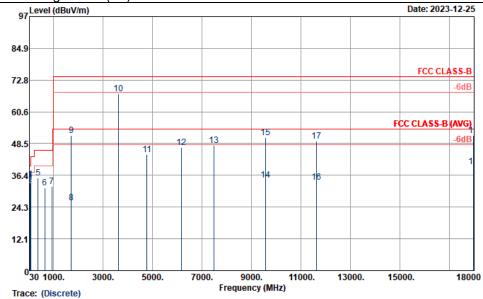
1 37954.00 46.38 -27.62 74.00 41.05 5.33 --- Peak

TEL: 886-3-327-3456 Page Number : B2 of B4

Report No.: FC3N0925

Test Engineer :		Temperature :	23~26°C				
	Bor-Smang, nuang	Relative Humidity :	43~47%				
Test Distance :	3m	Vertical	Vertical				
Remark:	#10 is fundamental frequency which can be ignored.						

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



Site : 03CH06-HY

: FCC CLASS-B 3m 9120D\_1212 VERTICAL Condition

Over Limit Read

Project : 3N0925 : 120Vac/60Hz Power : Mode 1 Memo

	Freq	Level	Limit	Line	Level	Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m		deg	
1 !	35.94	34.50	-5.50	40.00	44.00	-9.50	100	107	QP
2	39.45	32.90	-7.10	40.00	44.00	-11.10	100	122	QP
3	47.55	33.48	-6.52	40.00	48.49	-15.01	100	183	QP
4!	75.09	34.90	-5.10	40.00	52.00	-17.10	139	360	QP
5	374.90	35.40	-10.60	46.00	43.01	-7.61			Peak
6	646.50	31.62	-14.38	46.00	33.29	-1.67			Peak
7	932.80	32.03	-13.97	46.00	28.47	3.56			Peak
8	1724.00	25.82	-28.18	54.00	54.99	-29.17	100	145	Average
9	1724.00	51.65	-22.35	74.00	80.82	-29.17	100	145	Peak
10	3625.00	67.64			88.97	-21.33			Peak
11	4782.00	44.41	-29.59	74.00	62.28	-17.87			Peak
12	6174.00	46.94	-27.06	74.00	61.73	-14.79			Peak
13	7498.00	47.75	-26.25	74.00	60.16	-12.41			Peak
14	9568.00	34.47	-19.53	54.00	43.11	-8.64	100	168	Average
15	9568.00	50.83	-23.17	74.00	59.47	-8.64	100	168	Peak
16	11636.00	33.89	-20.11	54.00	40.89	-7.00	100	45	Average
17	11636.00	49.48	-24.52	74.00	56.48	-7.00	100	45	Peak
18	17985.00	39.76	-14.24	54.00	33.91	5.85	100	17	Average
19	17985.00	51.51	-22.49	74.00	45.66	5.85	100	17	Peak

A/Pos T/Pos

TEL: 886-3-327-3456 Page Number : B3 of B4

Test Engineer : Bor-Shiang,Huang

Temperature : 23~26°C

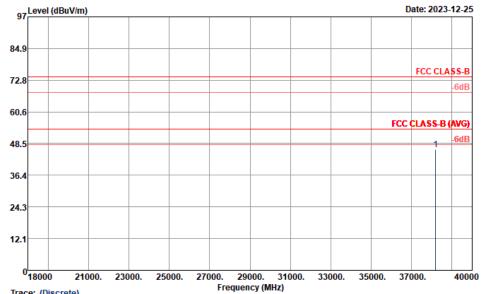
Relative Humidity : 43~47%

Test Distance : 1m

Polarization : Vertical

Report No.: FC3N0925

- Emission level (dBµV/m) = 20 log Emission level (µV/m)
- Distance extrapolation factor (for above 18GHz) = 20 log (test distance / specific distance) (dB)
- EX.: Distance extrapolation factor = 20 log (1/3) = -9.54 (dB)
- Factor(dB) = Antenna Factor + Cable Loss + Filter loss Preamp Factor + Distance extrapolation factor
- Level = Read Level + Factor(dB)



Trace: (Discrete) Site

: 03CH06-HY

Condition : FCC CLASS-B 3m BBHA\_9170251 VERTICAL

Project : 3N0925 Power : 120Vac/60Hz

Memo : Mode 1

 Over Limit
 Read
 A/Pos
 T/Pos

 Freq Level
 Limit
 Line
 Level
 Factor
 Remark

 MHz
 dBuV/m
 dB dBuV/m
 dBuV
 dB/m
 cm
 deg

1 38196.00 46.29 -27.71 74.00 40.53 5.76 --- --- Peak

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