



FCC EMI TEST REPORT

FCC ID : 2AZUL-RS8682
Equipment : 5G n48 RRU 4x4 5W/Ch Outdoor
Brand Name : LIONS
Model Name : RS8682
Applicant : LIONS Taiwan Technology Inc.
3F.-2, No. 120, Sec. 2, Gongdao 5th Rd., East
Dist., Hsinchu City 300031 , Taiwan (R.O.C.)
Manufacturer : LIONS Taiwan 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 Feb. 05, 2024 to Mar. 21, 2025. 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

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



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History of this test report

Report No.	Version	Description	Issue Date
FC3N0925-06	01	Initial issue of report	Mar. 31, 2025

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.107	AC Conducted Emission	Pass	-
3.2	15.109	Radiated Emission	Pass	-

Note: The FC3N0925-06 report reuses test data from the FC3N0925-03 (for DC Mode) report.

Conformity Assessment Condition:

1. 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/manufacture 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: Lucy Wu

1. General Description

1.1. Product Feature of Equipment Under Test

Product Feature
General Specs 5G NR.

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
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

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 C63.4-2014
- ♦ ANSI C63.4a-2017

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

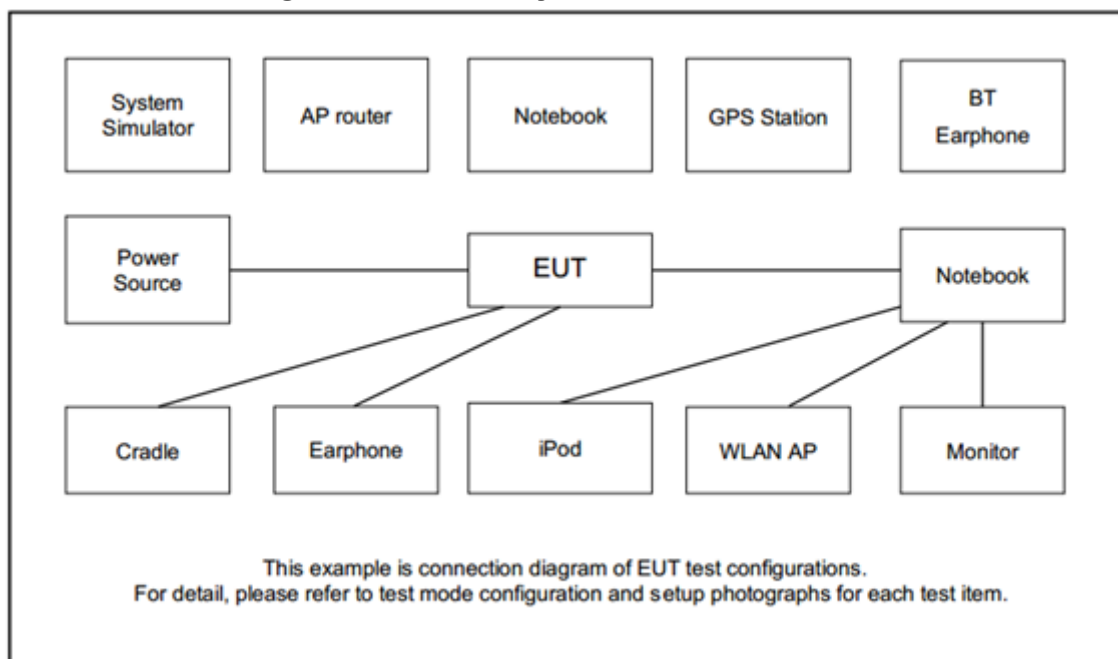
2. Test Configuration of Equipment Under Test

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 n48 on + LAN 1 Link Notebook + Fiber Connect to Switch
Radiated Emissions	Mode 1: 5G NR n48 on + LAN 1 Link Notebook + Fiber Connect to Switch Mode 2: 5G NR n48 TX + LAN 1 Link with Notebook + Fiber connect to Switch + DC Adapter

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 3400	FCC DoC	N/A	AC I/P : Unshielded, 1.2 m DC O/P : Shielded, 1.8 m
2.	Server	Quanta	D52Y-2U	N/A	N/A	Unshielded, 1.8 m
3.	DC Power Supply	GW Instek	GEU810960	FCC DoC	N/A	N/A

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.

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 B>

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

*Decreases with the logarithm of the frequency.

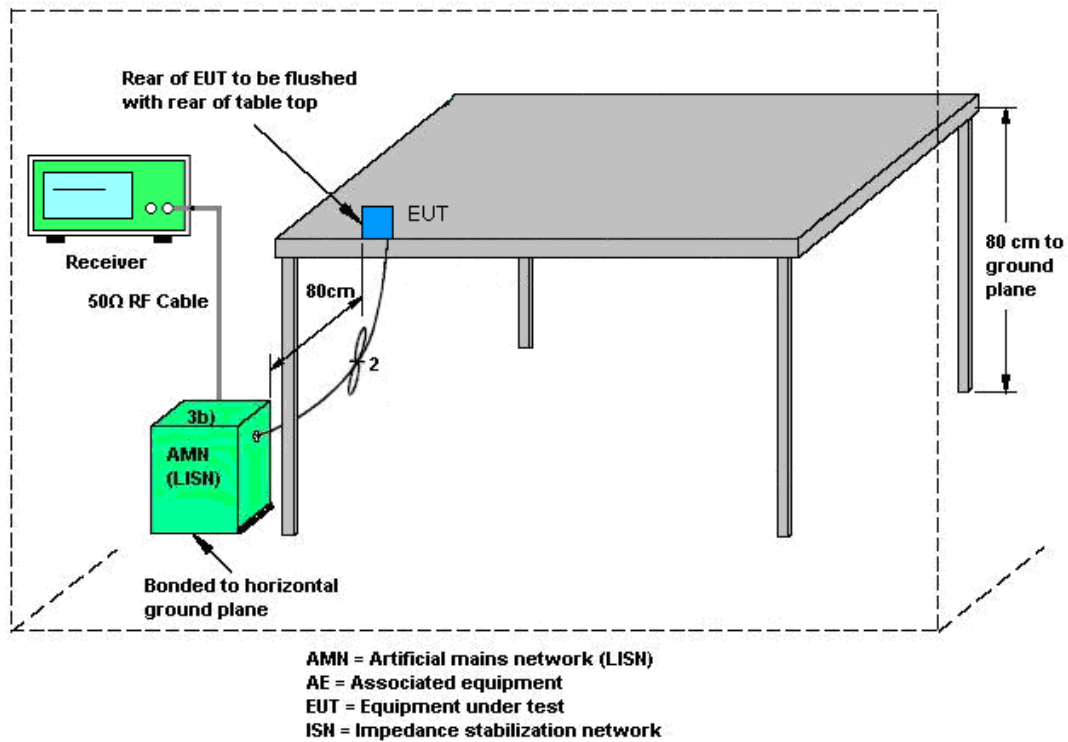
3.1.2. Measuring Instruments

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 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

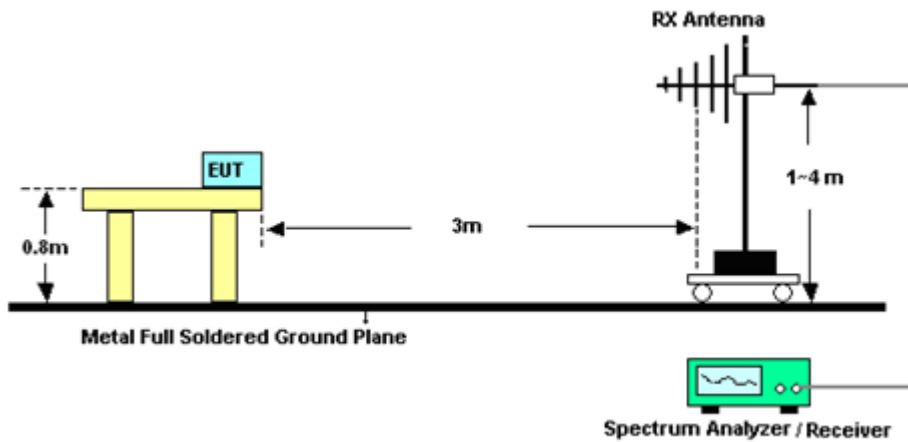
Please refer to the measuring equipment list in this test report.

3.2.3. Test Procedures

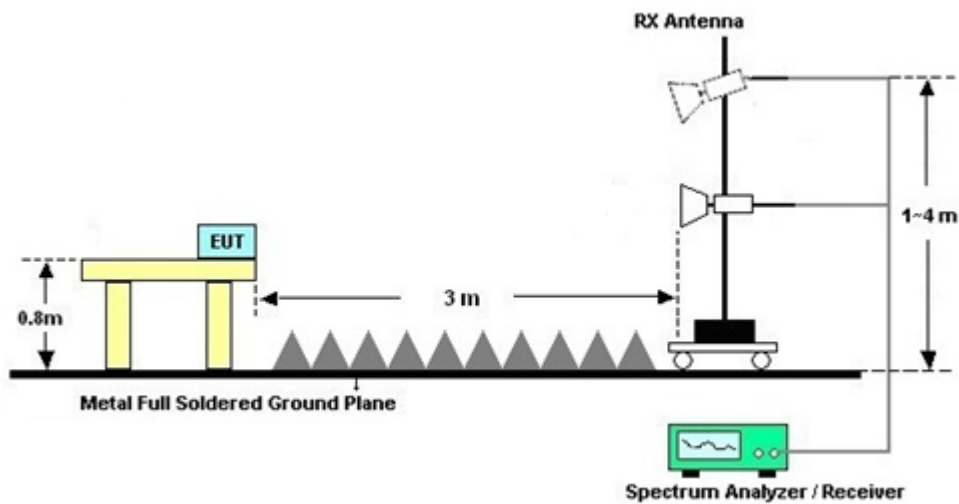
1. The EUT is placed on a turntable with 0.8 meter above ground.
2. The EUT is set 3 meters (30MHz~18GHz) and 1 meter (18GHz~40GHz) from the interference receiving antenna, which is mounted on the top of a variable height antenna tower.
3. The table is rotated 360 degrees to determine the position of 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.
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.

3.2.4. Test Setup of Radiated Emission

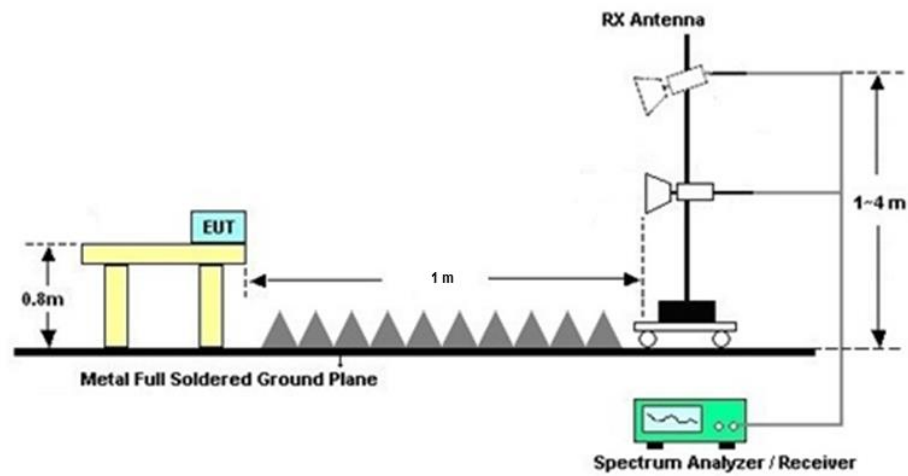
For Radiated Emissions from 30 MHz to 1 GHz



For Radiated Emissions from 1GHz to 18GHz



For Radiated Emissions above 18GHz



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. 17, 2023	Feb. 05, 2024	Apr. 16, 2024	Radiation (03CH06-HY)
Amplifier	SONOMA	310N	186713	9kHz~1GHz	Apr. 16, 2024	Mar. 18, 2025	Apr. 15, 2025	Radiation (03CH06-HY)
Bilog Antenna	Schaffner	CBL 6111C & N-6-06	2725 & AT-N0601	30MHz~1GHz	Nov. 03, 2023	Feb. 05, 2024	Nov. 02, 2024	Radiation (03CH06-HY)
Bilog Antenna	TESEQ	CBL 6111D & N-6-06	35414 & AT-N0602	30MHz~1GHz	Oct. 05, 2024	Mar. 18, 2025	Oct. 04, 2025	Radiation (03CH06-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100472	20Hz~26.5GHz	Feb. 13, 2023	Feb. 05, 2024	Feb. 12, 2024	Radiation (03CH06-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100472	20Hz~26.5GHz	Jan. 23, 2025	Mar. 18, 2025	Jan. 22, 2026	Radiation (03CH06-HY)
Horn Antenna	SCHWARZB ECK	BBHA 9120 D	9120D-1212	1GHz~18GHz	Mar. 23, 2023	Feb. 05, 2024	Mar. 22, 2024	Radiation (03CH06-HY)
Horn Antenna	SCHWARZB ECK	BBHA 9120 D	9120D-02037	1GHz~18GHz	Dec. 20, 2024	Mar. 18, 2025	Dec. 19, 2025	Radiation (03CH06-HY)
Preamplifier	Jet-Power	JPA00101800-30-10P	1601180001	1GHz~18GHz	Jul. 16, 2023	Feb. 05, 2024	Jul. 15, 2024	Radiation (03CH06-HY)
Preamplifier	Jet-Power	JPA00101800-30-10P	1601180001	1GHz~18GHz	Jul. 15, 2024	Mar. 18, 2025	Jul. 14, 2025	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	Feb. 05, 2024	Jul. 02, 2024	Radiation (03CH06-HY)
RF Cable	HUBER + SUHNER	SF104 SF102_2000mm SF102_3000mm SF102_7000mm	802433/4 532421/2 532422/2 532299/2	30MHz to 18GHz	Jul. 02, 2024	Mar. 18, 2025	Jul. 01, 2025	Radiation (03CH06-HY)
Hygrometer	TECPEL	DTM-303B	TP210018	N/A	Oct. 24, 2023	Feb. 05, 2024	Oct. 23, 2024	Radiation (03CH06-HY)
Hygrometer	TECPEL	DTM-303B	TP210018	N/A	Oct. 14, 2024	Mar. 18, 2025	Oct. 13, 2025	Radiation (03CH06-HY)
Controller	INN-CO	EM1000	060782	Control Turn table & Ant Mast	N/A	Feb. 05, 2024~ Mar. 18, 2025	N/A	Radiation (03CH06-HY)
Antenna Mast	MF	MF-7802	MF78020821 2	1m~4m	N/A	Feb. 05, 2024~ Mar. 18, 2025	N/A	Radiation (03CH06-HY)
Turn Table	INN-CO	DS2000	420/650/00	0-360 degree	N/A	Feb. 05, 2024~ Mar. 18, 2025	N/A	Radiation (03CH06-HY)
Software	Audix	E3 6.2009-8-24(k5)	N/A	N/A	N/A	Feb. 05, 2024	N/A	Radiation (03CH06-HY)
Software	Audix	E3	N/A	N/A	N/A	Mar. 18, 2025	N/A	Radiation (03CH06-HY)
Signal Analyzer	R&S	FSV3044	101104	10Hz~44GHz	Feb. 21, 2023	Feb. 05, 2024	Feb. 20, 2024	Radiation (03CH06-HY)
Signal Analyzer	R&S	FSV3044	101103	N/A	Jan. 22, 2025	Mar. 18, 2025	Jan. 21, 2026	Radiation (03CH06-HY)
SHF-EHF Horn Antenna	SCHWARZB ECK	BBHA 9170	BBHA917025 1	18~40GHz	Nov. 24, 2023	Feb. 05, 2024	Nov. 23, 2024	Radiation (03CH06-HY)
SHF-EHF Horn Antenna	SCHWARZB ECK	BBHA 9170	BBHA917025 1	18~40GHz	Nov. 28, 2024	Mar. 18, 2025	Nov. 27, 2025	Radiation (03CH06-HY)
Preamplifier	EMEC	EM18G40G	0600789	18~40GHz	Jul. 25, 2023	Feb. 05, 2024	Jul. 24, 2024	Radiation (03CH06-HY)
Preamplifier	EMEC	EM18G40G	0600789	18~40GHz	Aug. 05, 2024	Mar. 18, 2025	Aug. 04, 2025	Radiation (03CH06-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	Apr. 20, 2023	Feb. 05, 2024	Apr. 19, 2024	Radiation (03CH06-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	Apr. 22, 2024	Mar. 18, 2025	Apr. 21, 2025	Radiation (03CH06-HY)



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	Mar. 21, 2025	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 10, 2024	Mar. 21, 2025	Dec. 09, 2025	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Oct. 14, 2024	Mar. 21, 2025	Oct. 13, 2025	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 14, 2024	Mar. 21, 2025	Nov. 13, 2025	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Mar. 21, 2025	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZB ECK	VTSD 9561-F N	00691	N/A	Jul. 30, 2024	Mar. 21, 2025	Jul. 29, 2025	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	MQT2408250 1	N/A	Oct. 15, 2024	Mar. 21, 2025	Oct. 14, 2025	Conduction (CO05-HY)

5. Measurement Uncertainty

Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.7 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.3 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.8 dB
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Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.4 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.2 dB
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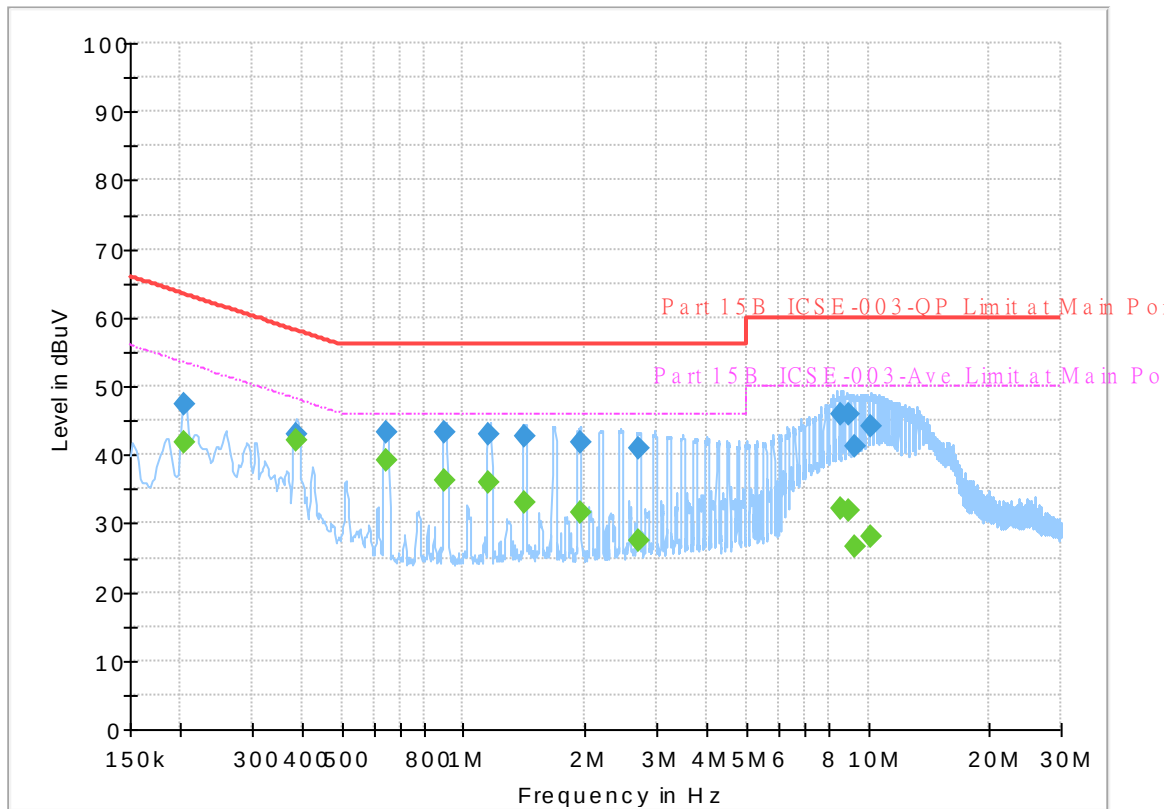
Appendix A. AC Conducted Emission Test Results

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

EUT Information

Report NO : 3N0925-06
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum

**Final Result**

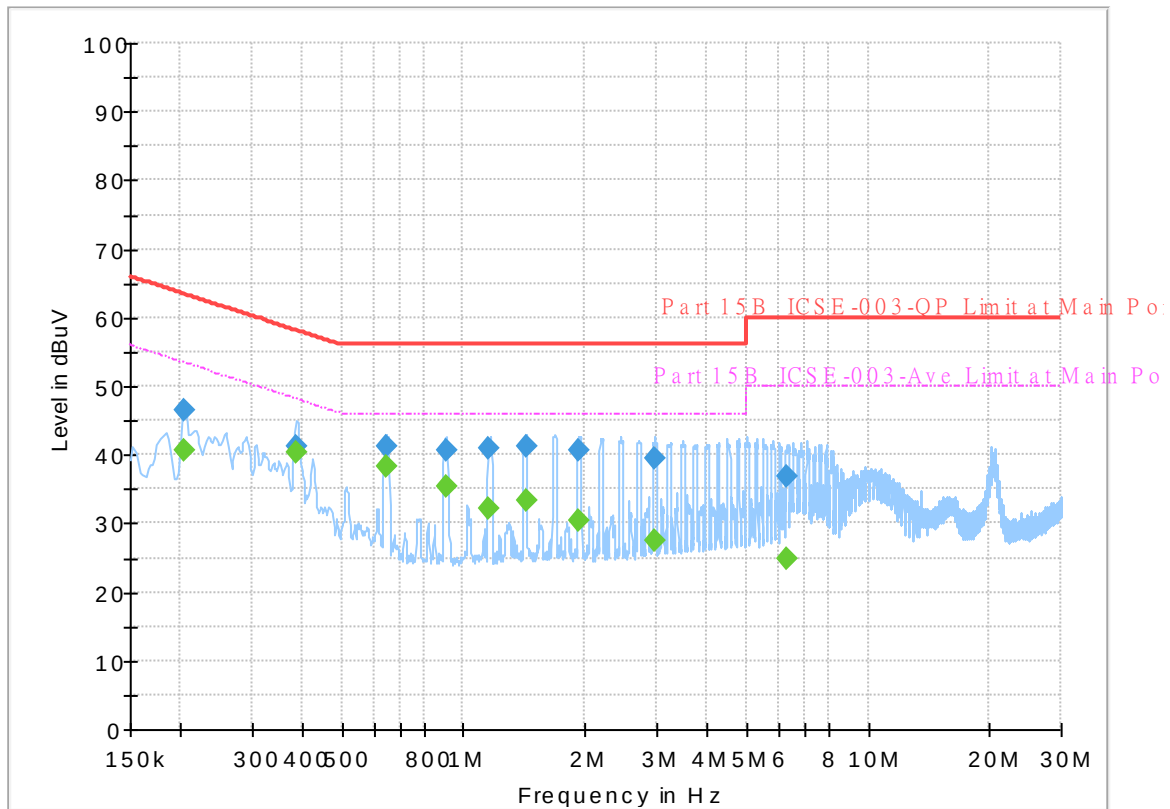
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.204000	---	41.69	53.45	11.76	L1	OFF	19.8
0.204000	47.28	---	63.45	16.17	L1	OFF	19.8
0.386250	---	42.19	48.14	5.95	L1	OFF	19.8
0.386250	43.11	---	58.14	15.03	L1	OFF	19.8
0.647250	---	39.23	46.00	6.77	L1	OFF	19.8
0.647250	43.24	---	56.00	12.76	L1	OFF	19.8
0.894750	---	36.22	46.00	9.78	L1	OFF	19.8
0.894750	43.35	---	56.00	12.65	L1	OFF	19.8
1.155750	---	35.99	46.00	10.01	L1	OFF	19.8
1.155750	43.01	---	56.00	12.99	L1	OFF	19.8
1.416750	---	33.11	46.00	12.89	L1	OFF	19.8
1.416750	42.62	---	56.00	13.38	L1	OFF	19.8
1.938750	---	31.66	46.00	14.34	L1	OFF	19.8
1.938750	41.90	---	56.00	14.10	L1	OFF	19.8
2.710500	---	27.44	46.00	18.56	L1	OFF	19.8
2.710500	40.86	---	56.00	15.14	L1	OFF	19.8
8.576250	---	32.06	50.00	17.94	L1	OFF	19.9
8.576250	45.94	---	60.00	14.06	L1	OFF	19.9
8.945250	---	31.91	50.00	18.09	L1	OFF	19.9
8.945250	46.01	---	60.00	13.99	L1	OFF	19.9
9.318750	---	26.65	50.00	23.35	L1	OFF	19.9

9.318750	41.19	---	60.00	18.81	L1	OFF	19.9
10.146750	---	28.02	50.00	21.98	L1	OFF	19.9
10.146750	44.29	---	60.00	15.71	L1	OFF	19.9

EUT Information

Report NO : 3N0925-06
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

Full Spectrum

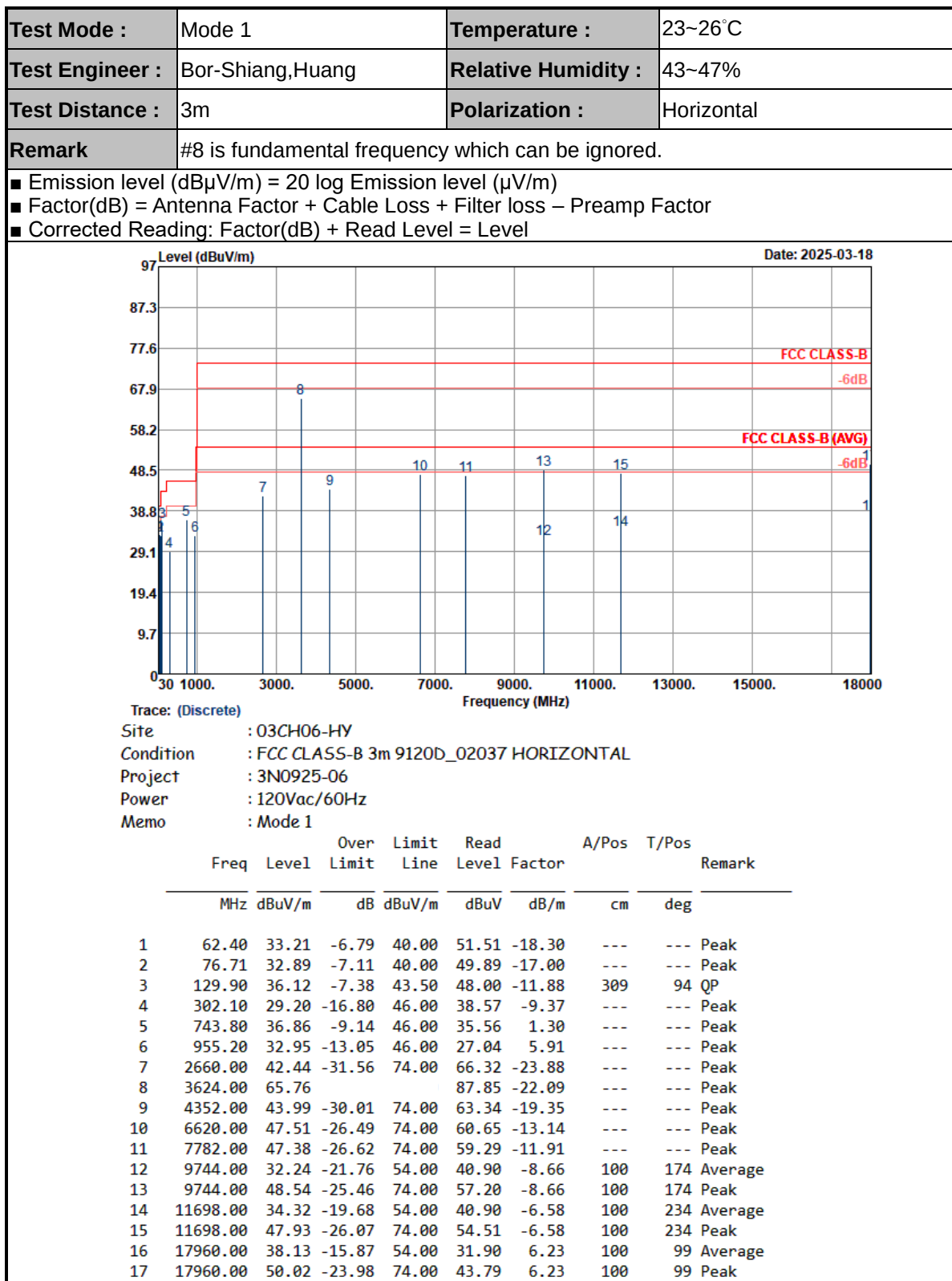


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.204000	---	40.51	53.45	12.94	N	OFF	19.8
0.204000	46.36	---	63.45	17.09	N	OFF	19.8
0.386250	---	40.30	48.14	7.84	N	OFF	19.8
0.386250	41.29	---	58.14	16.85	N	OFF	19.8
0.645000	---	38.23	46.00	7.77	N	OFF	19.8
0.645000	41.12	---	56.00	14.88	N	OFF	19.8
0.903750	---	35.43	46.00	10.57	N	OFF	19.8
0.903750	40.74	---	56.00	15.26	N	OFF	19.8
1.151250	---	32.25	46.00	13.75	N	OFF	19.8
1.151250	40.82	---	56.00	15.18	N	OFF	19.8
1.428000	---	33.27	46.00	12.73	N	OFF	19.8
1.428000	41.11	---	56.00	14.89	N	OFF	19.8
1.918500	---	30.33	46.00	15.67	N	OFF	19.8
1.918500	40.70	---	56.00	15.30	N	OFF	19.8
2.962500	---	27.43	46.00	18.57	N	OFF	19.8
2.962500	39.35	---	56.00	16.65	N	OFF	19.8
6.333000	---	24.90	50.00	25.10	N	OFF	19.9
6.333000	36.80	---	60.00	23.20	N	OFF	19.9



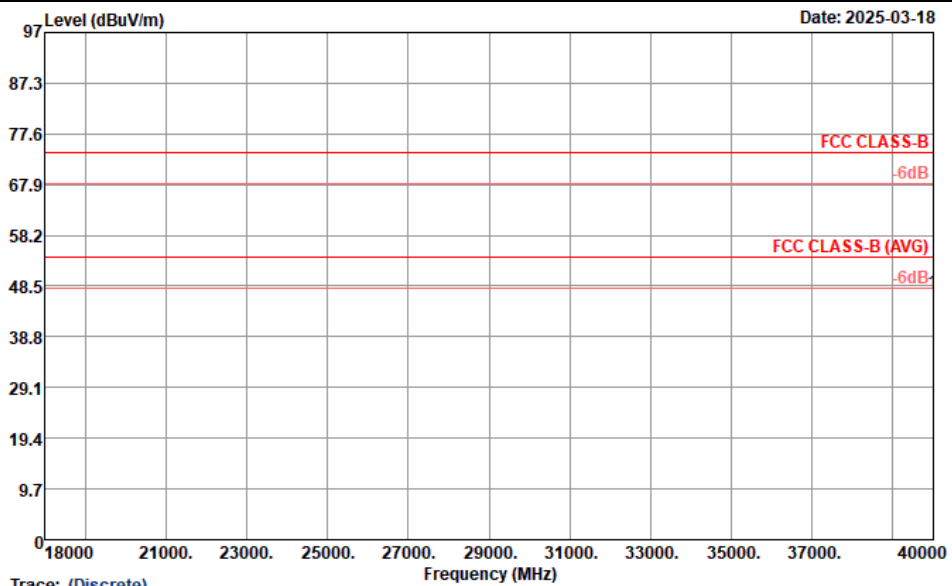
Appendix B. Radiated Emission Test Result





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

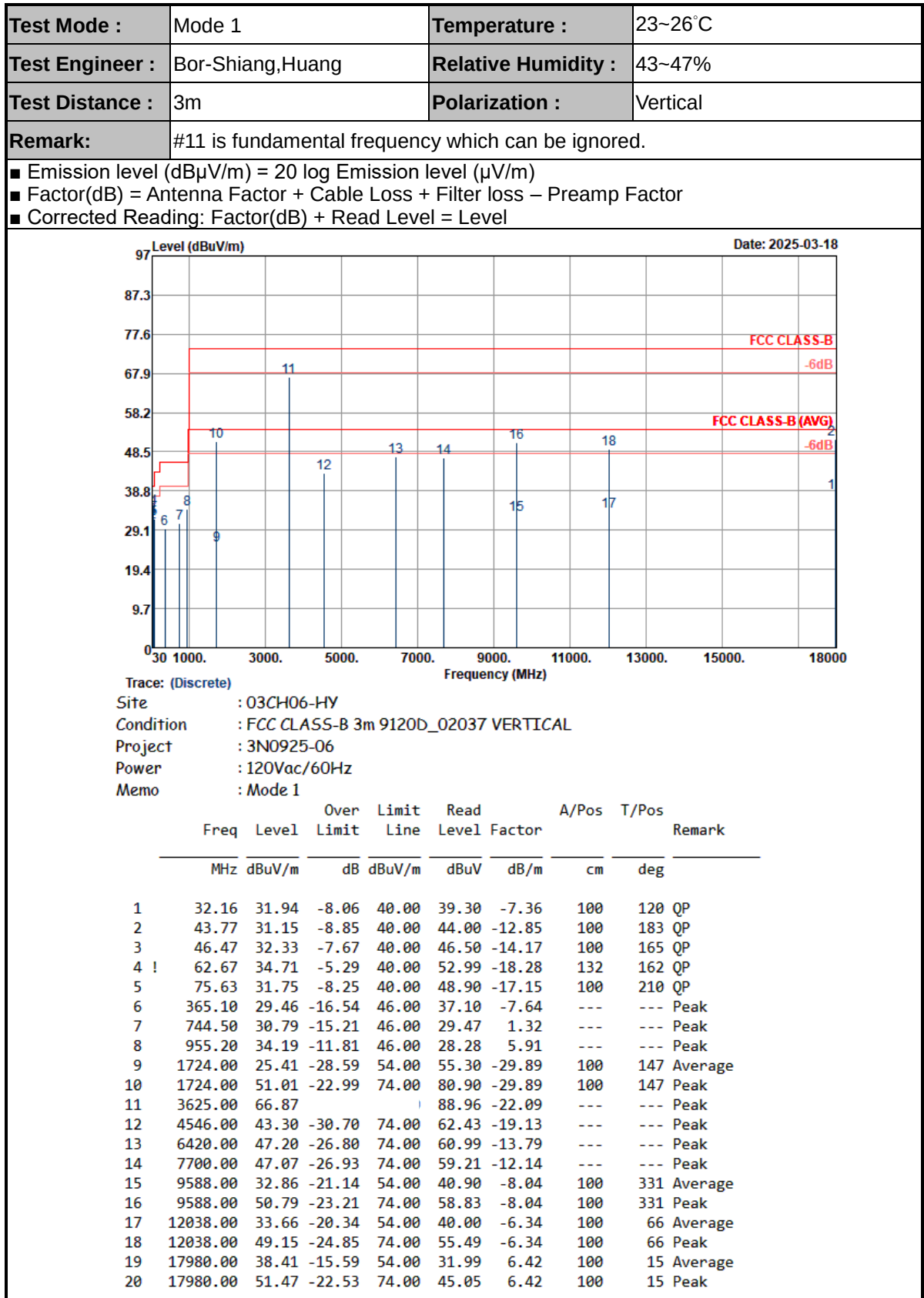
- Emission level (dBμV/m) = 20 log Emission level (μV/m)
- Distance extrapolation factor (for above 18GHz) = 20 log (test distance / specific distance) (dB)
- EX.: Distance extrapolation factor = 20 log (1/3) = -9.54 (dB)
- Factor(dB) = Antenna Factor + Cable Loss + Filter loss – Preamp Factor + Distance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



Trace: (Discrete)

Site : 03CH06-HY
Condition : FCC CLASS-B 3m BBHA_9170251 HORIZONTAL
Project : 3N0925-06
Power : 120Vac/60Hz
Memo : Mode 1

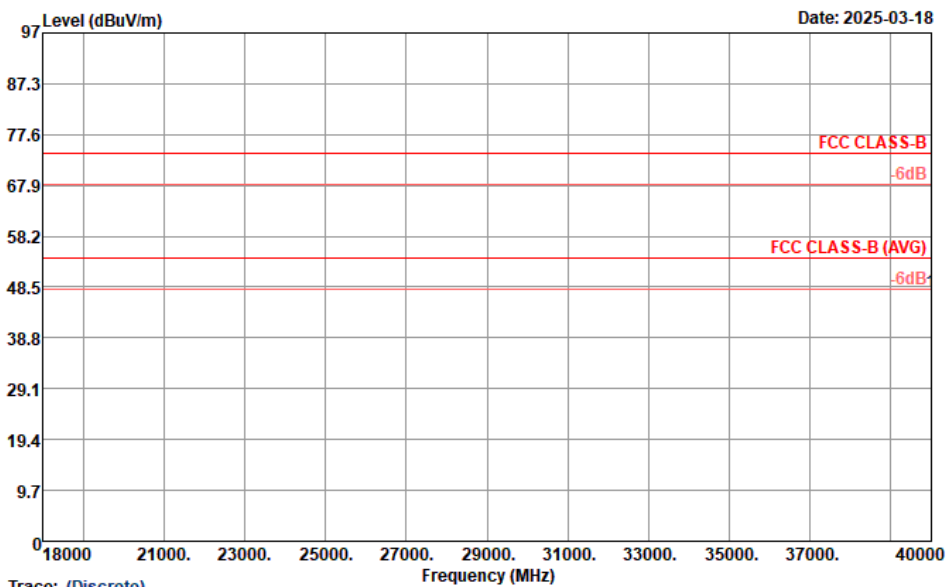
	Freq	Level	Over Limit	Limit Line	Read Level	Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	cm	deg	
1	40000.00	47.28	-26.72	74.00	36.80	10.48	---	---	Peak





Test Mode :	Mode 1	Temperature :	23~26°C
Test Engineer :	Bor-Shiang,Huang	Relative Humidity :	43~47%
Test Distance :	1m	Polarization :	Vertical

- 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)

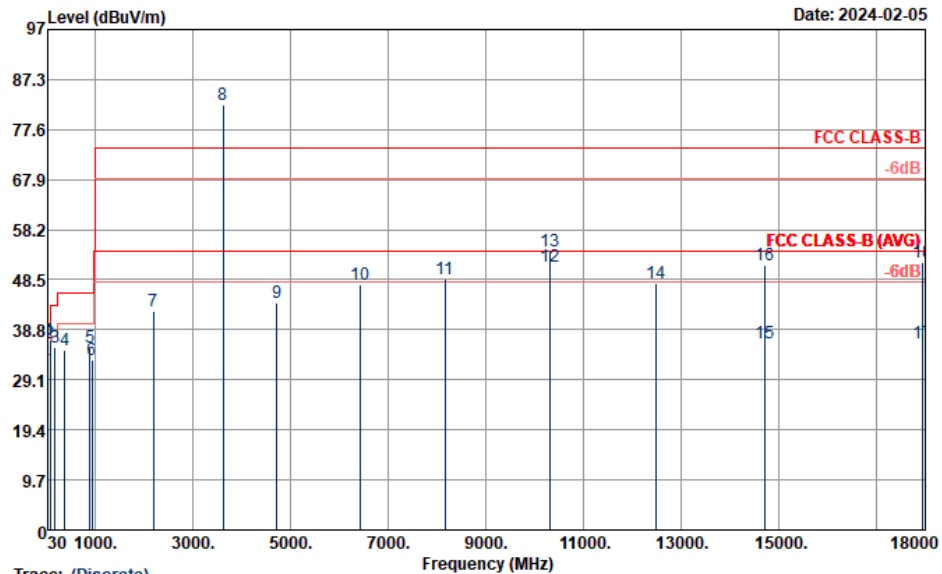
Site : 03CH06-HY
Condition : FCC CLASS-B 3m BBHA_9170251 VERTICAL
Project : 3N0925-06
Power : 120Vac/60Hz
Memo : Mode 1

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	cm	deg	
1	40000.00	47.45	-26.55	74.00	36.97	10.48	---	---	Peak



Test Mode :	Mode 2	Temperature :	23~26°C
Test Engineer :	Bor-Shiang,Huang	Relative Humidity :	43~47%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#8 is fundamental frequency signal which can be ignored.		

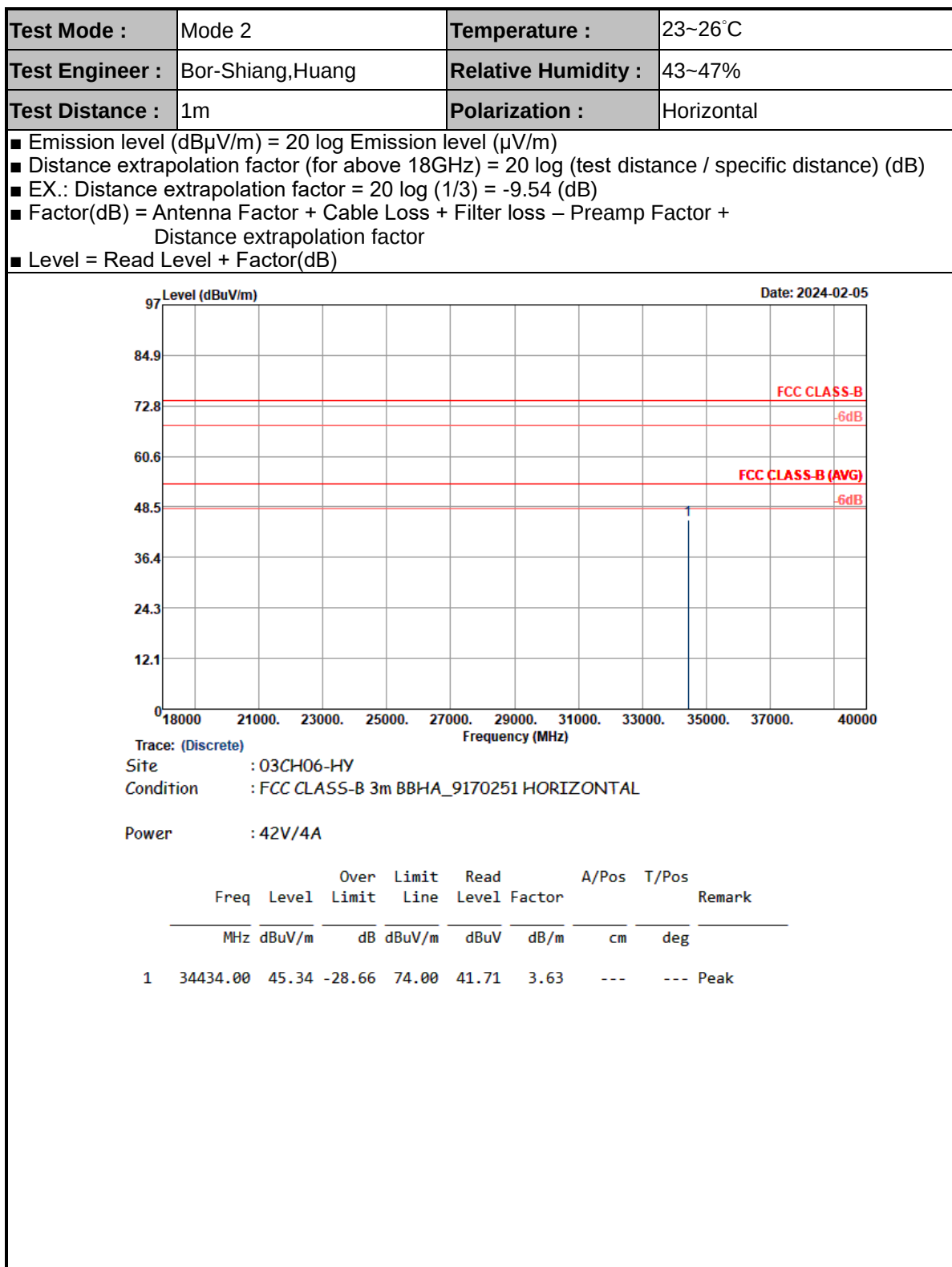
- Emission level (dBμV/m) = 20 log Emission level (μV/m)
- Factor(dB) = Antenna Factor + Cable Loss + Filter loss – Preamp Factor
- Corrected Reading: Factor(dB) + Read Level = Level



Site : 03CH06-HY
Condition : FCC CLASS-B 3m 9120B_1212 HORIZONTAL

Power : 42V/4A

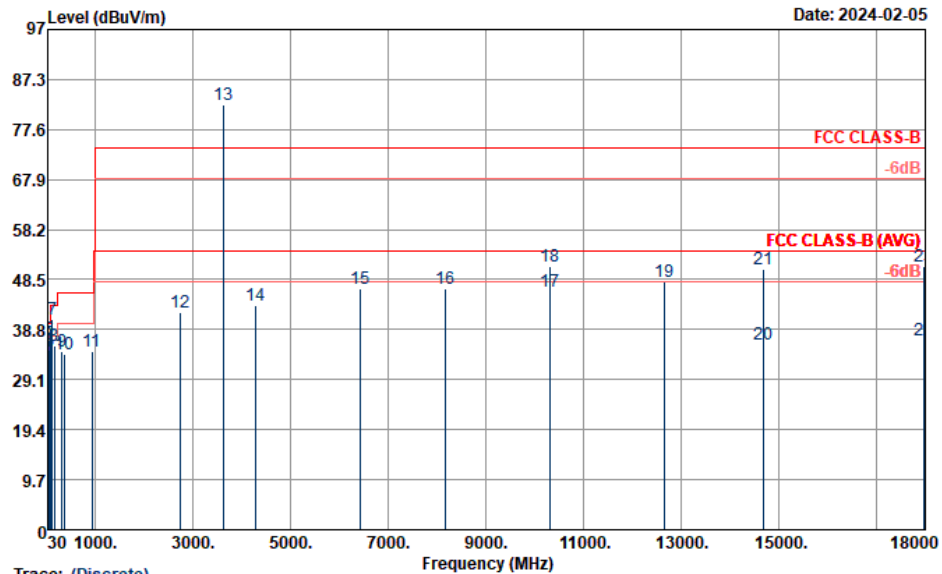
	Freq	Level	Over Limit	Limit Line	Read Level	Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	cm	deg	
1 !	79.68	36.80	-3.20	40.00	53.50	-16.70	250	265	QP
2 !	82.11	36.30	-3.70	40.00	52.80	-16.50	280	83	QP
3	173.64	35.44	-8.06	43.50	49.55	-14.11	---	---	Peak
4	374.90	34.77	-11.23	46.00	42.38	-7.61	---	---	Peak
5	899.90	35.37	-10.63	46.00	32.69	2.68	---	---	Peak
6	937.70	33.01	-12.99	46.00	28.88	4.13	---	---	Peak
7	2188.00	42.53	-31.47	74.00	67.98	-25.45	---	---	Peak
8 *	3624.00	82.36			103.69	-21.33	---	---	Peak
9	4718.00	44.16	-29.84	74.00	62.52	-18.36	---	---	Peak
10	6416.00	47.44	-26.56	74.00	60.97	-13.53	---	---	Peak
11	8170.00	48.71	-25.29	74.00	60.32	-11.61	---	---	Peak
12 !	10312.00	51.16	-2.84	54.00	59.50	-8.34	100	355	Average
13	10312.00	54.16	-19.84	74.00	62.50	-8.34	100	355	Peak
14	12474.00	47.69	-26.31	74.00	53.59	-5.90	---	---	Peak
15	14720.00	36.11	-17.89	54.00	37.91	-1.80	100	221	Average
16	14720.00	51.26	-22.74	74.00	53.06	-1.80	---	---	Peak
17	17940.00	36.19	-17.81	54.00	30.70	5.49	100	47	Average
18	17940.00	51.81	-22.19	74.00	46.32	5.49	100	47	Peak





Test Mode :	Mode 2	Temperature :	23~26°C
Test Engineer :	Bor-Shiang,Huang	Relative Humidity :	43~47%
Test Distance :	3m	Polarization :	Vertical
Remark :	#13 is fundamental frequency signal which can be ignored.		

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



Trace: (Discrete)

Site : 03CH06-HY

Condition : FCC CLASS-B 3m 9120D_1212 VERTICAL

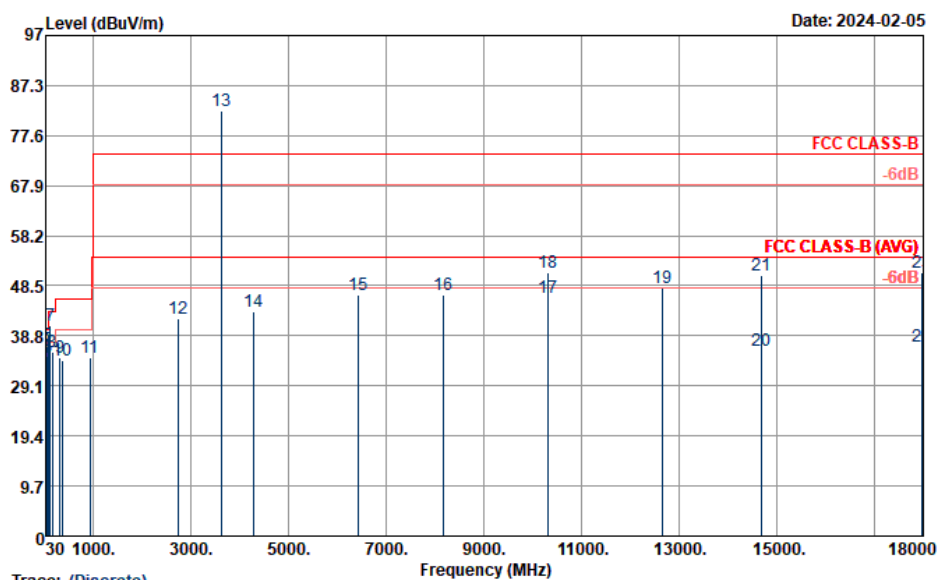
Power : 42V/4A

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	A/Pos	T/Pos	Remark
	MHz	dB μ V/m	dB	dB μ V/m	dB μ V	dB/m	cm	deg	
1	35.13	32.92	-7.08	40.00	41.90	-8.98	100	96	QP
2	39.18	32.31	-7.69	40.00	43.30	-10.99	100	182	QP
3 !	43.50	35.83	-4.17	40.00	48.81	-12.98	100	185	QP
4 !	47.55	34.94	-5.06	40.00	49.99	-15.05	100	155	QP
5 !	79.14	34.71	-5.29	40.00	51.49	-16.78	100	0	QP
6 !	82.38	36.96	-3.04	40.00	53.40	-16.44	100	28	QP
7 !	126.39	40.91	-2.59	43.50	53.00	-12.09	100	355	QP
8	161.22	35.72	-7.78	43.50	48.99	-13.27	100	360	QP
9	329.40	34.71	-11.29	46.00	43.71	-9.00	---	---	Peak
10	374.90	33.99	-12.01	46.00	41.60	-7.61	---	---	Peak
11	937.70	34.69	-11.31	46.00	30.56	4.13	---	---	Peak
12	2740.00	42.19	-31.81	74.00	65.08	-22.89	---	---	Peak
13 *	3624.00	82.40			103.73	-21.33	---	---	Peak
14	4290.00	43.48	-30.52	74.00	62.73	-19.25	---	---	Peak
15	6434.00	46.81	-27.19	74.00	60.39	-13.58	---	---	Peak
16	8160.00	46.65	-27.35	74.00	58.30	-11.65	---	---	Peak
17	10312.00	46.16	-7.84	54.00	54.50	-8.34	100	320	Average
18	10312.00	51.16	-22.84	74.00	59.50	-8.34	100	320	Peak
19	12666.00	48.14	-25.86	74.00	53.58	-5.44	---	---	Peak
20	14685.00	36.06	-17.94	54.00	37.80	-1.74	100	71	Average
21	14685.00	50.51	-23.49	74.00	52.25	-1.74	100	71	Peak



Test Mode :	Mode 2	Temperature :	23~26°C
Test Engineer :	Bor-Shiang,Huang	Relative Humidity :	43~47%
Test Distance :	3m	Polarization :	Vertical

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



Trace: (Discrete)

Site : 03CH06-HY

Condition : FCC CLASS-B 3m 9120B_1212 VERTICAL

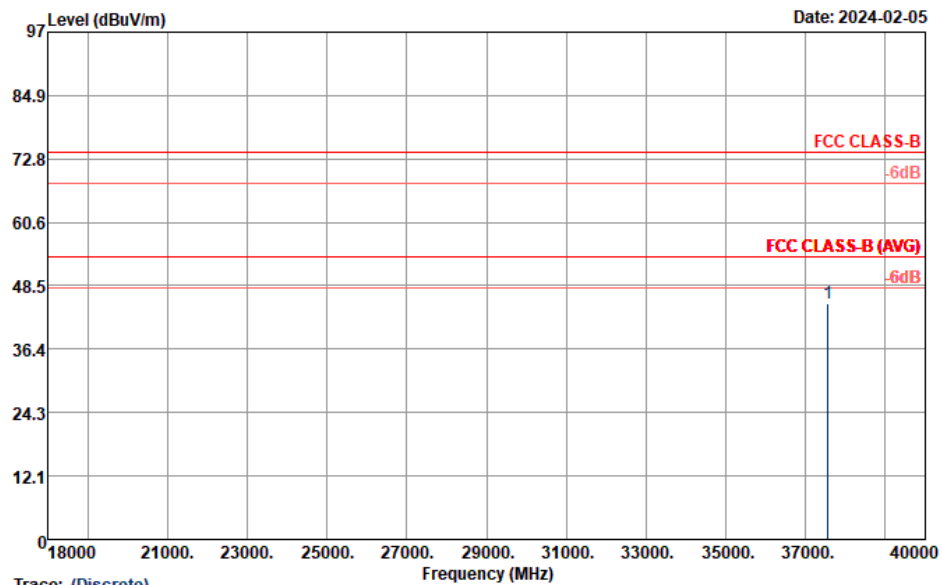
Power : 42V/4A

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	A/Pos	T/Pos	Remark
	MHz	dB μ V/m	dB	dB μ V/m	dB μ V	dB/m	cm	deg	
22	17980.00	36.64	-17.36	54.00	30.81	5.83	100	221	Average
23	17980.00	50.98	-23.02	74.00	45.15	5.83	100	221	Peak



Test Mode :	Mode 2	Temperature :	23~26°C
Test Engineer :	Bor-Shiang,Huang	Relative Humidity :	43~47%
Test Distance :	1m	Polarization :	Vertical

- 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

Power : 42V/4A

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	cm	deg	
1	37558.00	45.19	-28.81	74.00	40.52	4.67	---	---	Peak