FCC EMI TEST REPORT

FCC ID	:	**APYHRO00335**
Equipment	:	**Smart phone**
Brand Name	:	**SHARP**
Model Name	:	**APYHRO00335**
Applicant	:	**SHARP CORPORATION** **1 Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan**
Manufacturer	:	**SHARP CORPORATION** **1 Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan**
Standard	:	**FCC 47 CFR FCC Part 15 Subpart B Class B**

The product was received on Feb. 27, 2025 and testing was performed from Mar. 11, 2025 to Mar. 24, 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.)

Table of Contents

History of this test report

Report No.	Version	Description	Issue Date
FC4D0637	01	Initial issue of report	Apr. 22, 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	-

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/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: Dara Chiu

1. General Description

1.1. Product Feature of Equipment Under Test

Product Feature
General Specs GSM/WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac, Wi-Fi 5GHz 802.11a/n/ac, GNSS and NFC.

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

Item	Sample 1		Sample 2		Sample 3	
	Vendor	Model Number	Vendor	Model Number	Vendor	Model Number
DDR	LONGSYS	SA0FLXC2012	Samsung	SA04UBE3010	LONGSYS	SA0FLXC2012
UFS2.2	LONGSYS	SA0N128G010	Samsung	SA02U1DC010	LONGSYS	SA064GC2010
Display	DJN	SLX3M066X00	CPT	SLX065WRX00	DJN	SLX3M066X00
Rear camera	Shinetech	S0CNN72B000	Union Image	S0C50A350A0	Union Image	S0C50A350A0
Front camera	Shinetech	S0CM8G1B060	Union Image	S0C50A350A0	Union Image	S0C50A350A0
Battery	SCUD	BPSX400001S	EVE	BPSX400002S	EVE	BPSX400002S
PCB	Tripod	SB0SX51BG0C	Compeq	SB0SX51BJ0C	Compeq	SB0SX51BJ0C
Accelerometer /Gyroscope	TDK	SA042670020	ST	SA0OETR3020	ST	SA0OETR3020
E-compass	QST	SA0C6308130	MEMSIC	SA0C56030A0	MEMSIC	SA0C56030A0
ALS/PS sensor	Sensortek	SA033562020	EMINENT	SA079911020	EMINENT	SA079911020
FPC_Side_Key	Sunflex	MESX514021A	PBH	MESX514001A	PBH	MESX514001A
FPC_USB	Sunflex	MESX114012A	PBH	MESX314004A	PBH	MESX314004A
FPC_AJ	Sunflex	MESX114013A	PBH	MESX314003A	PBH	MESX314003A
FPC_Main	Sunflex	MESX514002A	PBH	MESX514022A	PBH	MESX514022A
FPC_SPK	Sunflex	MESX514004A	AKM	MESX514024A	AKM	MESX514024A
FPC_flashlight	Sunflex	MESX514023A	PBH	MESX514003A	PBH	MESX514003A
Rear housing	LF	MESX561041A	DY	MESX561040A	LF	MESX561041A

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: GSM 850 Idle + Bluetooth Link + WLAN (2.4G) Link + MPEG4 + Earphone + USB Cable (Charging form Adapter) + Battery 2 + E-SIM for Sample 1 Mode 2: WCDMA Band V Idle + Bluetooth Link + WLAN (5G) Link + GPS Rx + Earphone + USB Cable (Charging form Adapter) + Battery 2 + SIM 1 for Sample 1 Mode 3: LTE Band 5 Idle + Bluetooth Link + WLAN (2.4G) Link + NFC On + Earphone + USB Cable (Charging form Adapter) + Battery 2 + SIM 1 for Sample 1 Mode 4: LTE Band 12 Idle + Bluetooth Link + WLAN (5G) Link + Camera (Rear) + Earphone + USB Cable (Charging form Adapter) + Battery 2 + SIM 1 for Sample 1 Mode 5: LTE Band 17 Idle + Bluetooth Idle + WLAN (2.4G) Idle + Camera (Front) + Earphone + USB Cable (Charging form Adapter) + Battery 2 + SIM 1 for Sample 1 Mode 6: LTE Band 2 Idle + Bluetooth Idle + WLAN (5G) Idle + H Pattern +Earphone + USB Cable (Charging form Adapter) + Battery 2 + SIM 1 for Sample 1 Mode 7: GSM 850 Idle + Bluetooth Link + WLAN (2.4G) Link + Camera (Rear) + Earphone+ USB Cable (Charging form Adapter) + Battery 1 + SIM 1 for Sample 2 Mode 8: GSM 850 Idle + Bluetooth Link + WLAN (2.4G) Link + Camera (Front) + Earphone+ USB Cable (Charging form Adapter) + Battery 1 + SIM 1 for Sample 2 Mode 9: GSM 850 Idle + Bluetooth Link + WLAN (2.4G) Link + MPEG4 + Earphone + USB Cable (Charging form Adapter) + Battery 1 + SIM 1 for Sample 3

Test Items	Functions Enabled
Radiated Emissions	Mode 1: GSM 850 Idle + Bluetooth Link + WLAN (2.4G) Link + MPEG 4 + Earphone + Battery 1 + E-SIM for Sample 1 Mode 2: WCDMA Band V Idle + Bluetooth Link + WLAN (5G) Link + GPS Rx + Earphone + USB Cable (Data Link with Notebook) Write + Battery 1 + SIM 1 for Sample 1 Mode 3: LTE Band 5 Idle + Bluetooth Link + WLAN (2.4G) Link + NFC On + Earphone + USB Cable (Data Link with Notebook) Read + Battery 1 + SIM 1 for Sample 1 Mode 4: LTE Band 12 Idle + Bluetooth Link + WLAN (5G) Link + Camera (Rear) + Earphone + USB Cable (Charging form Adapter) + Battery 1 + SIM 1 for Sample 1 Mode 5: LTE Band 17 Idle + Bluetooth Idle + WLAN (2.4G) Idle + Camera (Front) + Earphone + USB Cable (Charging form Adapter) + Battery 1 + SIM 1 for Sample 1 Mode 6: LTE Band 2 Idle + Bluetooth Idle + WLAN (5G) Idle + H Pattern + Earphone + USB Cable (Charging form Adapter) + Battery 1 + SIM 1 for Sample 1 Mode 7: LTE Band 12 Idle + Bluetooth Link + WLAN (5G) Link + Camera (Rear) + Earphone + USB Cable (Charging form Adapter) + Battery 2 + SIM 1 for Sample 2 Mode 8: LTE Band 12 Idle + Bluetooth Link + WLAN (5G) Link + Camera (Front) + Earphone USB Cable (Charging form Adapter) + Battery 2 + SIM 1 for Sample 2 Mode 9: LTE Band 12 Idle + Bluetooth Link + WLAN (5G) Link + Camera (Rear) + Earphone + USB Cable (Charging form Adapter) + Battery 1 + SIM 1 for Sample 3

Remark:

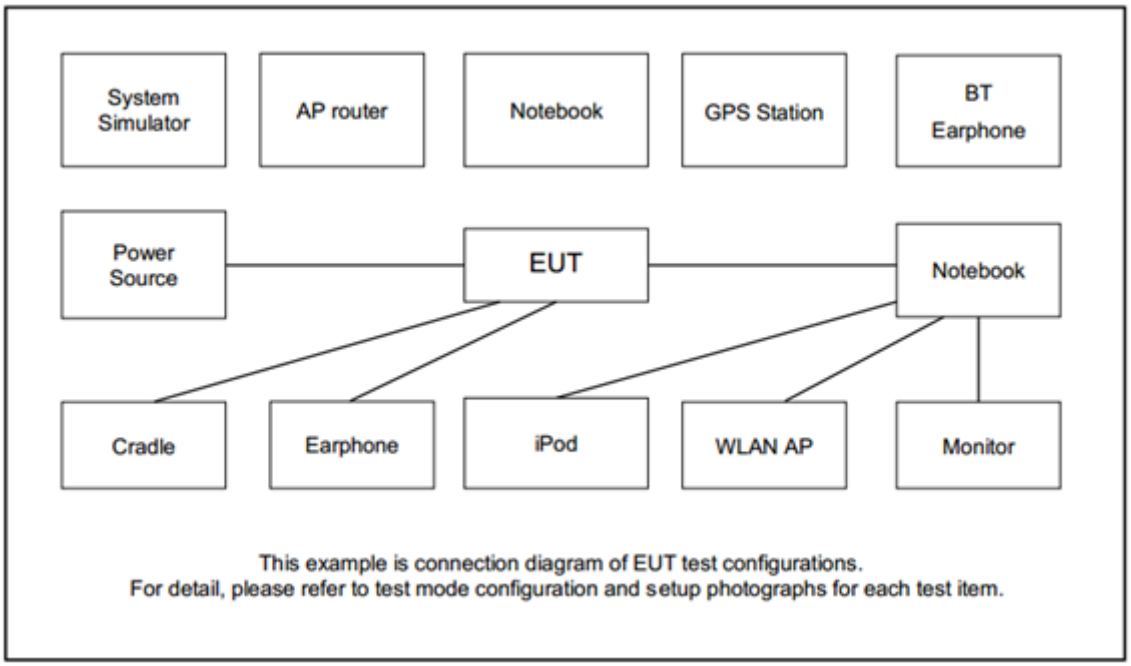
1. The worst case of AC is mode 1; only the test data of this mode was reported.

2. The worst case of RE is mode 7; only the test data of this mode was reported.

3. For Radiation Emission after pre-scanned the cellular band between 30MHz ~ 960MHz (GSM850/WCDMA Band V/LTE Band 5/12/17); only the worst case for cellular band test data of this mode was reported.

4. Data Link with Notebook means data application transferred mode between EUT and Notebook.

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.	Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	GPS Station	Pendulum	GSG-54	N/A	N/A	Unshielded, 1.8 m
3.	WLAN AP	ASUS	GT-AXE11000	MSQ-RTAJF00	N/A	Unshielded, 1.8 m
4.	Bluetooth Earphone	Sony Ericsson	MW600	PY700A2029	N/A	N/A
5.	Notebook	Dell	P152G	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
6.	SD Card	SAMSUNG	EVO PLUS	FCC DoC	N/A	N/A
7.	Earphone	NOKIA	WH-108 6511VFA	N/A	Unshielded, 1.2m	N/A
8.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0m	N/A

2.4. EUT Operation Test Setup

The EUT is in GSM or WCDMA or LTE 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.

At the same time, the EUT is attached to the Bluetooth earphone or WLAN AP, and the following programs installed in the EUT are programmed during the test:

1. Data application is transferred between Notebook or SD Card and EUT via USB cable.
2. Execute “GPS” to make the EUT receive continuous signals from GPS station.
3. Turn on the NFC function of EUT.
4. Execute “Video Player” to play MPEG4 files.
5. Turn on camera to capture images.
6. Execute “H Pattern” to show H Patterns via HDMI Cable on the Monitor.

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.

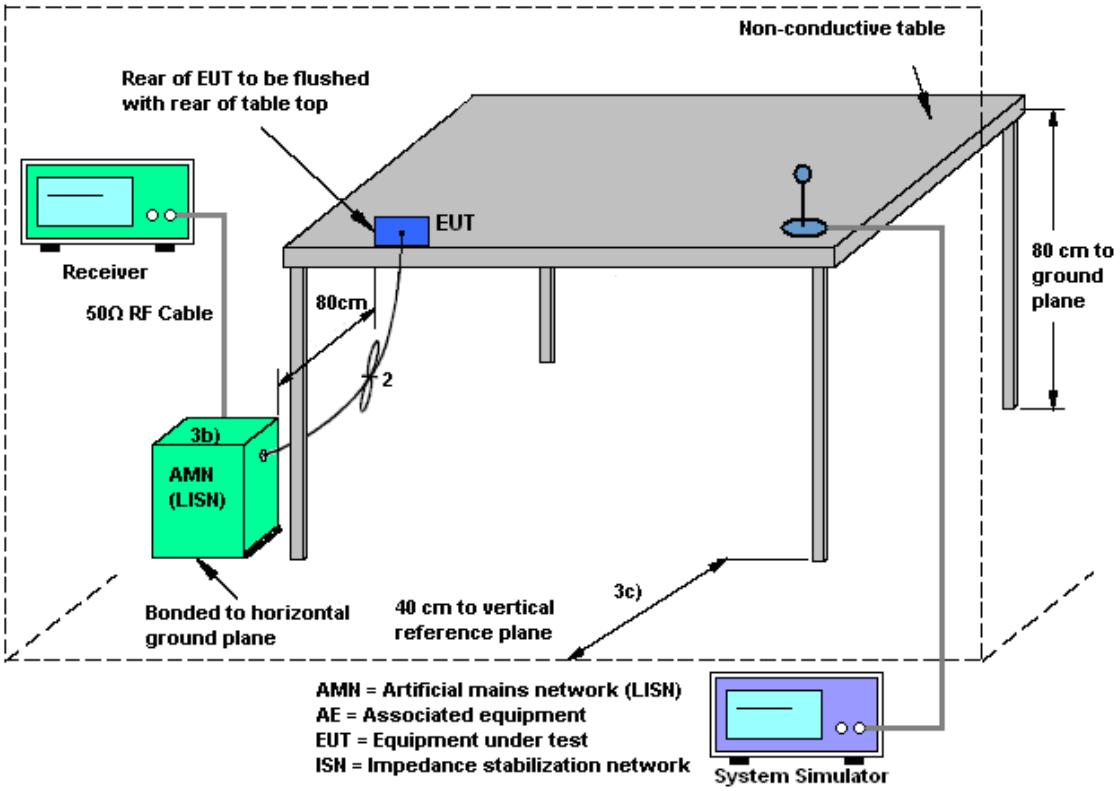
3.1.2. Measuring Instruments

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

Remark:

1. The RSE test results above 18GHz are measured at a test distance of 1m. According to the test rules, the distance extrapolation factor should be used and the test results of 3m should be reported in this report.
2. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

3.2.2. Measuring Instruments

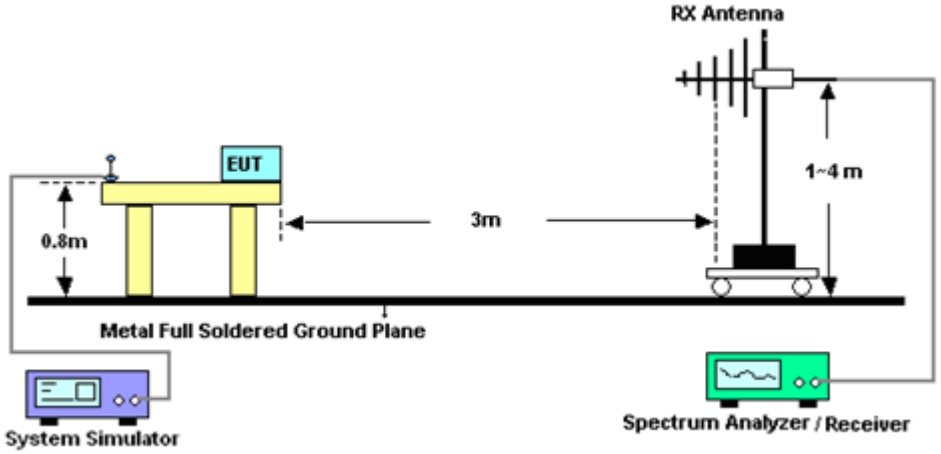
Please refer to the measuring equipment list in this test report.

3.2.3. Test Procedures

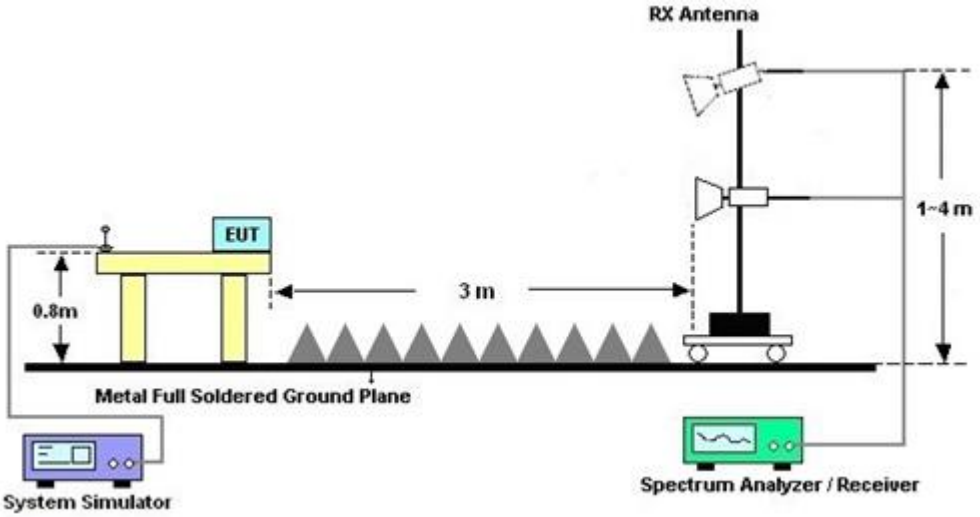
1. The EUT is placed on a turntable with 0.8 meter above ground.
2. The EUT is set 3 meters (1GHz~18GHz) and 1 meter (18GHz~40GHz) from the interference receiving antenna, which is mounted on the top of a variable height antenna tower.
3. The table is rotated 360 degrees to determine the position of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

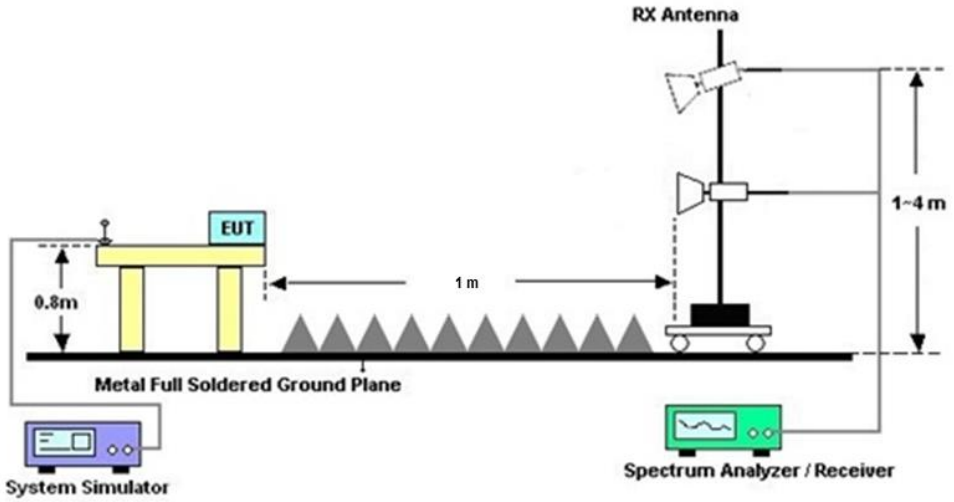
For Radiated Emissions from 30 MHz to 1 GHz



For Radiated Emissions above 1GHz



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
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Mar. 14, 2025 ~ Mar. 24, 2025	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 10, 2024	Mar. 14, 2025 ~ Mar. 24, 2025	Dec. 09, 2025	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Oct. 14, 2024	Mar. 14, 2025 ~ Mar. 24, 2025	Oct. 13, 2025	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 14, 2024	Mar. 14, 2025 ~ Mar. 24, 2025	Nov. 13, 2025	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Mar. 14, 2025 ~ Mar. 24, 2025	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Jul. 30, 2024	Mar. 14, 2025 ~ Mar. 24, 2025	Jul. 29, 2025	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	MQT24082501	N/A	Oct. 15, 2024	Mar. 14, 2025 ~ Mar. 24, 2025	Oct. 14, 2025	Conduction (CO05-HY)
Amplifier	SONOMA	310N	186713	9kHz~1GHz	Apr. 16, 2024	Mar. 11, 2025 ~ Mar. 24, 2025	Apr. 15, 2025	Radiation (03CH06-HY)
Bilog Antenna	TESEQ	CBL 6111D & N-6-06	35414 & AT-N0602	30MHz~1GHz	Oct. 05, 2024	Mar. 11, 2025 ~ Mar. 24, 2025	Oct. 04, 2025	Radiation (03CH06-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100472	20Hz~26.5GHz	Jan. 23, 2025	Mar. 11, 2025 ~ Mar. 24, 2025	Jan. 22, 2026	Radiation (03CH06-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02037	1GHz~18GHz	Dec. 20, 2024	Mar. 11, 2025 ~ Mar. 24, 2025	Dec. 19, 2025	Radiation (03CH06-HY)
Preamplifier	Jet-Power	JPA00101800-30-10P	1601180001	1GHz~18GHz	Jul. 15, 2024	Mar. 11, 2025 ~ Mar. 24, 2025	Jul. 14, 2025	Radiation (03CH06-HY)
RF Cable	HUBER + SUHNER	SF102_2000mm SF102_3000mm SF102_7000mm	532421/2 532422/2 532299/2	30MHz to 40GHz	Jul. 02, 2024	Mar. 11, 2025 ~ Mar. 24, 2025	Jul. 01, 2025	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. 11, 2025~ Mar. 24, 2025	Jul. 01, 2025	Radiation (03CH06-HY)
Hygrometer	TECPEL	DTM-303B	TP210018	N/A	Oct. 14, 2024	Mar. 11, 2025~ Mar. 24, 2025	Oct. 13, 2025	Radiation (03CH06-HY)
Controller	INN-CO	EM1000	060782	Control Turn table & Ant Mast	N/A	Mar. 11, 2025~ Mar. 24, 2025	N/A	Radiation (03CH06-HY)
Antenna Mast	MF	MF-7802	MF780208212	1m~4m	N/A	Mar. 11, 2025~ Mar. 24, 2025	N/A	Radiation (03CH06-HY)
Turn Table	INN-CO	DS2000	420/650/00	0-360 degree	N/A	Mar. 11, 2025~ Mar. 24, 2025	N/A	Radiation (03CH06-HY)
Software	Audix	E3	N/A	N/A	N/A	Mar. 11, 2025~ Mar. 24, 2025	N/A	Radiation (03CH06-HY)
Signal Analyzer	R&S	FSV3044	101103	N/A	Jan. 22, 2025	Mar. 11, 2025~ Mar. 24, 2025	Jan. 21, 2026	Radiation (03CH06-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18~40GHz	Nov. 28, 2024	Mar. 11, 2025~ Mar. 24, 2025	Nov. 27, 2025	Radiation (03CH06-HY)
Preamplifier	EMEC	EM18G40G	0600789	18~40GHz	Aug. 05, 2024	Mar. 11, 2025~ Mar. 24, 2025	Aug. 04, 2025	Radiation (03CH06-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	Apr. 22, 2024	Mar. 11, 2025~ Mar. 24, 2025	Apr. 21, 2025	Radiation (03CH06-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**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.8 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.8 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.4 dB**

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.0 dB**

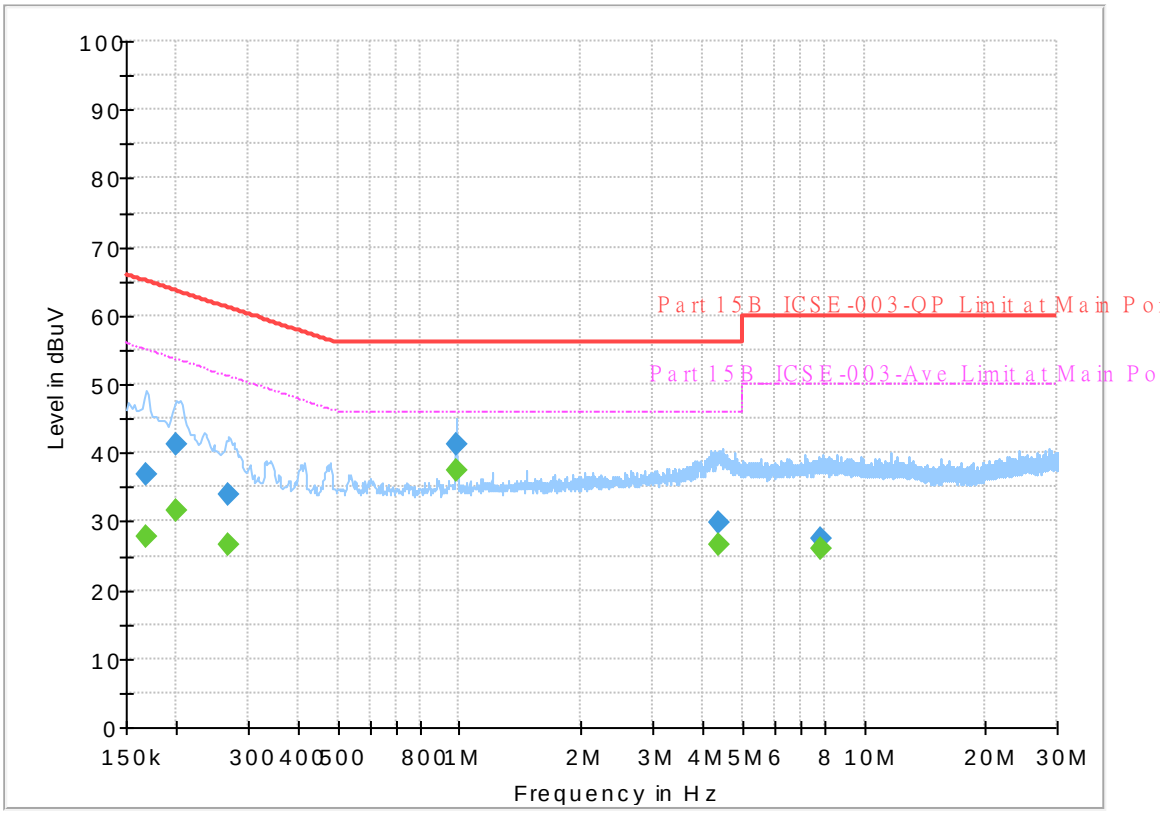
Appendix A. AC Conducted Emission Test Results

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

EUT Information

Report NO :	4D0637
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



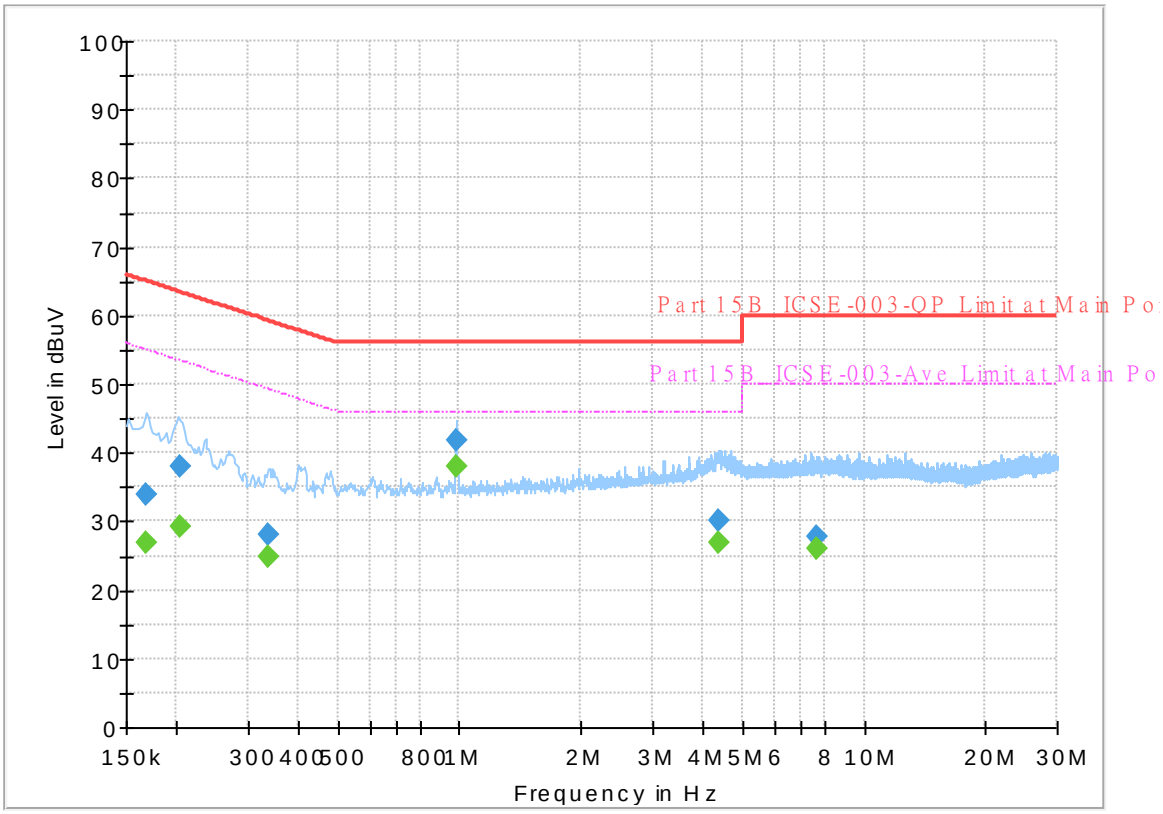
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.168000	---	27.78	55.06	27.28	L1	OFF	19.8
0.168000	36.78	---	65.06	28.28	L1	OFF	19.8
0.199500	---	31.55	53.63	22.08	L1	OFF	19.8
0.199500	41.35	---	63.63	22.28	L1	OFF	19.8
0.269250	---	26.72	51.14	24.42	L1	OFF	19.8
0.269250	33.94	---	61.14	27.20	L1	OFF	19.8
0.980250	---	37.30	46.00	8.70	L1	OFF	19.8
0.980250	41.25	---	56.00	14.75	L1	OFF	19.8
4.398000	---	26.74	46.00	19.26	L1	OFF	20.0
4.398000	29.80	---	56.00	26.20	L1	OFF	20.0
7.863000	---	26.09	50.00	23.91	L1	OFF	20.2
7.863000	27.55	---	60.00	32.45	L1	OFF	20.2

EUT Information

Report NO :	4D0637
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



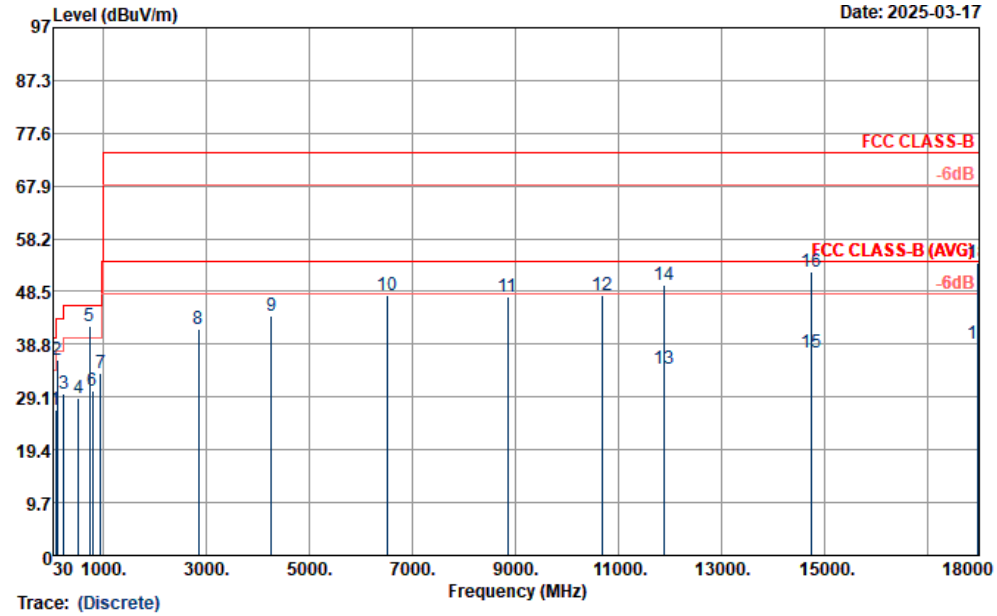
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.168000	---	26.80	55.06	28.26	N	OFF	19.8
0.168000	33.97	---	65.06	31.09	N	OFF	19.8
0.204000	---	29.22	53.45	24.23	N	OFF	19.8
0.204000	38.10	---	63.45	25.35	N	OFF	19.8
0.336750	---	24.78	49.28	24.50	N	OFF	19.8
0.336750	28.00	---	59.28	31.28	N	OFF	19.8
0.982500	---	37.89	46.00	8.11	N	OFF	19.8
0.982500	41.83	---	56.00	14.17	N	OFF	19.8
4.391250	---	26.77	46.00	19.23	N	OFF	20.0
4.391250	30.06	---	56.00	25.94	N	OFF	20.0
7.653750	---	26.13	50.00	23.87	N	OFF	20.2
7.653750	27.86	---	60.00	32.14	N	OFF	20.2

Appendix B. Radiated Emission Test Result

Test Engineer :	Nick Yu	**Temperature :**	22.4 ~ 23.8°C
		Relative Humidity :	46.9 ~ 52.8%
Test Distance :	3m	**Polarization :**	Horizontal

■ 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

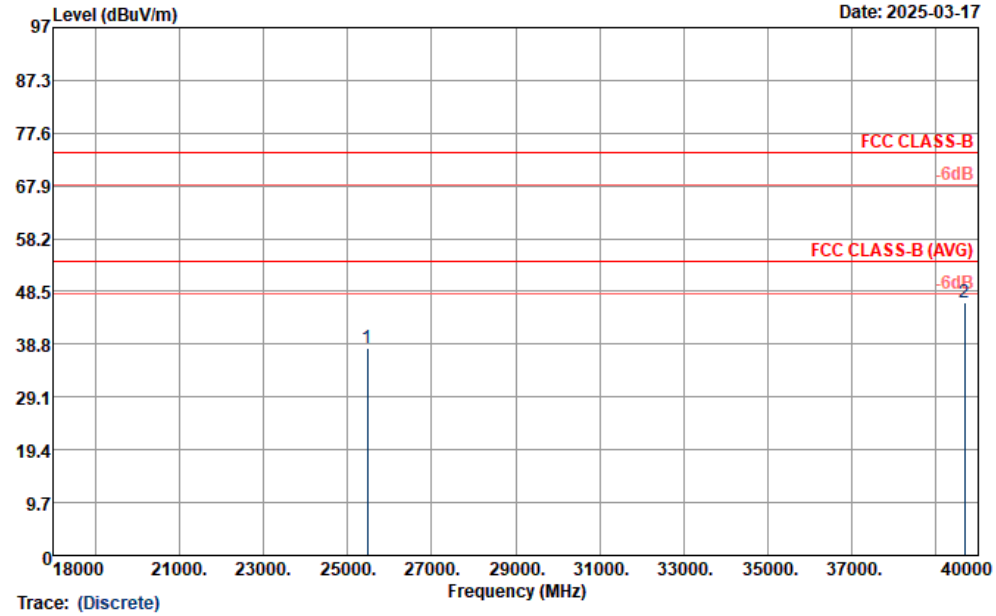


Site : 03CH06-HY
Condition : FCC CLASS-B 3m 9120D_02037 HORIZONTAL
Project : 4D0637
Power : 120Vac/60Hz
Memo : Mode 7

		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		80.22	26.83	-13.17	40.00	43.48	-16.65	---	---	Peak
2		106.14	36.06	-7.44	43.50	49.09	-13.03	---	---	Peak
3		230.34	29.77	-16.23	46.00	42.66	-12.89	---	---	Peak
4		521.90	28.89	-17.11	46.00	32.79	-3.90	---	---	Peak
5	!	737.50	42.17	-3.83	46.00	41.07	1.10	---	---	Peak
6		796.30	30.32	-15.68	46.00	28.62	1.70	---	---	Peak
7		954.50	33.43	-12.57	46.00	27.58	5.85	---	---	Peak
8		2850.00	41.61	-32.39	74.00	64.53	-22.92	---	---	Peak
9		4262.00	43.97	-30.03	74.00	63.58	-19.61	---	---	Peak
10		6520.00	47.71	-26.29	74.00	61.29	-13.58	---	---	Peak
11		8848.00	47.53	-26.47	74.00	57.20	-9.67	---	---	Peak
12		10694.00	47.87	-26.13	74.00	54.99	-7.12	---	---	Peak
13		11874.00	34.20	-19.80	54.00	41.00	-6.80	100	37	Average
14		11874.00	49.63	-24.37	74.00	56.43	-6.80	100	37	Peak
15		14740.00	37.25	-16.75	54.00	38.21	-0.96	100	185	Average
16		14740.00	52.14	-21.86	74.00	53.10	-0.96	100	185	Peak
17		17960.00	39.02	-14.98	54.00	31.80	7.22	100	241	Average
18		17960.00	53.82	-20.18	74.00	46.60	7.22	100	241	Peak

Test Engineer :	Nick Yu	**Temperature :**	22.4 ~ 23.8°C
		Relative Humidity :	46.9 ~ 52.8%
Test Distance :	1m	**Polarization :**	Horizontal

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



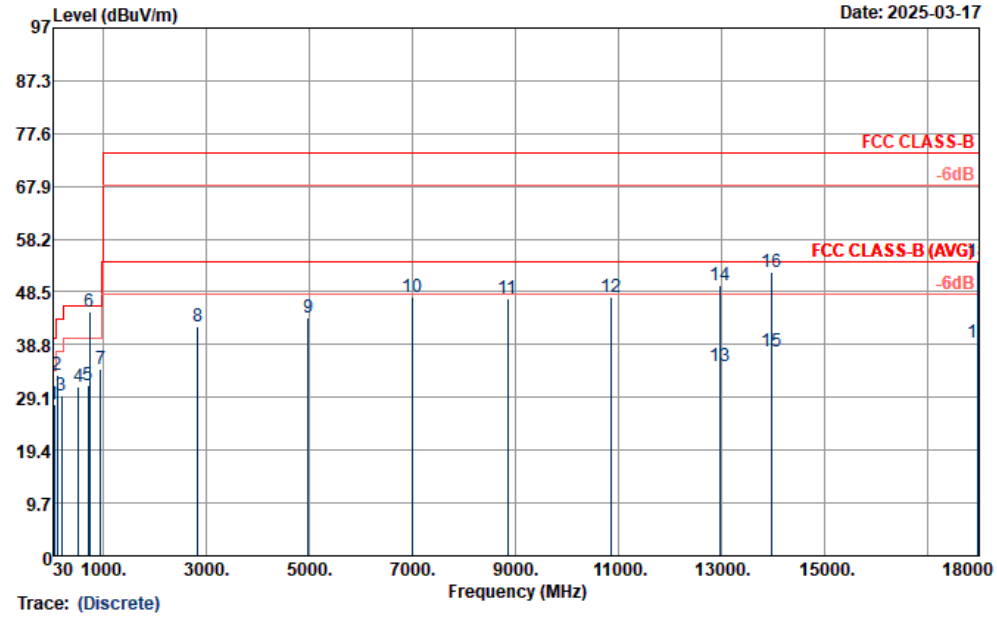
Trace: (Discrete)

Site : 03CH06-HY
Condition : FCC CLASS-B 3m BBHA_917000991 HORIZONTAL
Project : 4D0637
Power : 120Vac/60Hz
Memo : Mode 7

	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	25480.00	38.03	-35.97	74.00	37.39	0.64	---	---	Peak
2	39670.00	46.48	-27.52	74.00	35.98	10.50	---	---	Peak

Test Engineer :	Nick Yu	Temperature :	22.4 ~ 23.8°C
		Relative Humidity :	46.9 ~ 52.8%
Test Distance :	3m	Polarization :	Vertical

■ 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



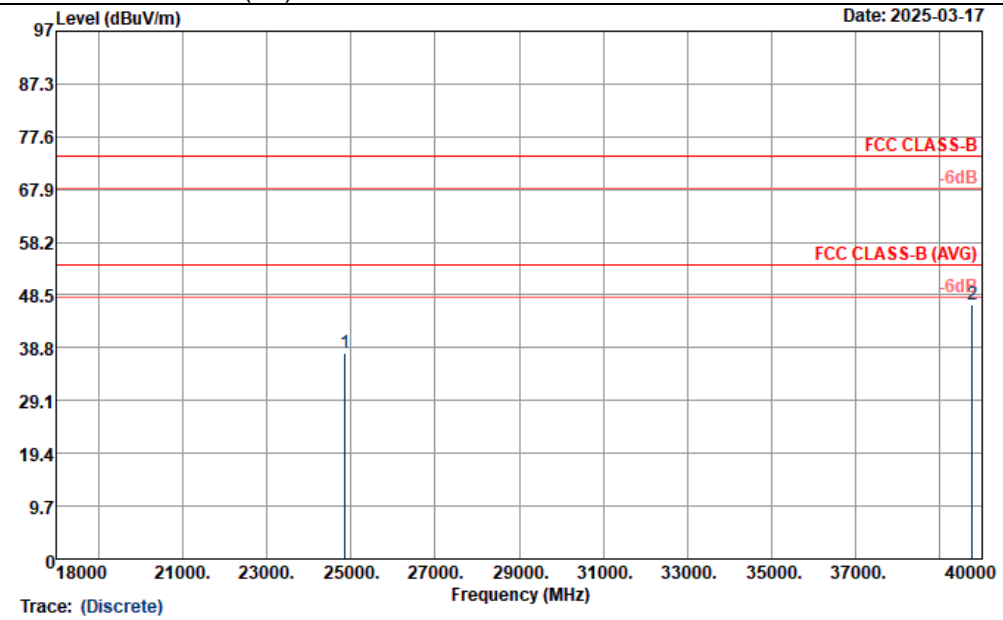
Trace: (Discrete)

Site : 03CH06-HY
Condition : FCC CLASS-B 3m 9120D_02037 VERTICAL
Project : 4D0637
Power : 120Vac/60Hz
Memo : Mode 7

		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		48.09	27.89	-12.11	40.00	42.74	-14.85	---	---	Peak
2		108.30	33.21	-10.29	43.50	46.08	-12.87	---	---	Peak
3		188.76	29.52	-13.98	43.50	44.02	-14.50	---	---	Peak
4		523.30	30.98	-15.02	46.00	34.84	-3.86	---	---	Peak
5		708.80	31.45	-14.55	46.00	31.88	-0.43	---	---	Peak
6	!	737.50	44.94	-1.06	46.00	43.84	1.10	---	---	Peak
7		955.90	34.18	-11.82	46.00	28.23	5.95	---	---	Peak
8		2844.00	42.10	-31.90	74.00	65.02	-22.92	---	---	Peak
9		4974.00	43.77	-30.23	74.00	61.14	-17.37	---	---	Peak
10		6998.00	47.52	-26.48	74.00	59.70	-12.18	---	---	Peak
11		8846.00	47.19	-26.81	74.00	56.87	-9.68	---	---	Peak
12		10868.00	47.43	-26.57	74.00	54.53	-7.10	---	---	Peak
13		12968.00	34.83	-19.17	54.00	38.80	-3.97	100	72	Average
14		12968.00	49.69	-24.31	74.00	53.66	-3.97	100	72	Peak
15		13980.00	37.56	-16.44	54.00	39.10	-1.54	100	301	Average
16		13980.00	52.28	-21.72	74.00	53.82	-1.54	100	301	Peak
17		17965.00	39.13	-14.87	54.00	31.90	7.23	100	337	Average
18		17965.00	53.97	-20.03	74.00	46.74	7.23	100	337	Peak

Test Engineer :	Nick Yu	**Temperature :**	22.4 ~ 23.8°C
		Relative Humidity :	46.9 ~ 52.8%
Test Distance :	1m	**Polarization :**	Vertical

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



Trace: (Discrete)

Site : 03CH06-HY
Condition : FCC CLASS-B 3m BBHA_917000991 VERTICAL
Project : 4D0637
Power : 120Vac/60Hz
Memo : Mode 7

	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	24864.00	37.85	-36.15	74.00	37.47	0.38	---	---	Peak
2	39758.00	46.63	-27.37	74.00	35.90	10.73	---	---	Peak