FCC EMI TEST REPORT

FCC ID	:	**APYHRO00331**
Equipment	:	**Smart phone**
Brand Name	:	**SHARP**
Model Name	:	**APYHRO00331**
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 Mar. 20, 2024 and testing was performed from Apr. 04, 2024 to Apr. 16, 2024. 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.

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
FC3D2225	01	Initial issue of report	May 09, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.107	AC Conducted Emission	Pass	6.69 dB under the limit at 1.48 MHz
3.2	15.109	Radiated Emission	Pass	8.28 dB under the limit at 45.12 MHz for Quasi-Peak

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: Mila Chen

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, NFC, and GNSS. **Antenna Type** WWAN: <Ant. 0>: Monopole Antenna <Ant. 1>: PIFA Antenna <Ant. 2>: Monopole Antenna WLAN: Loop Antenna Bluetooth: Loop Antenna GPS / Glonass / BDS / Galileo: PIFA Antenna NFC: Loop Antenna

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

Item	Main		2nd Source			
	Main Sample		Sample 2		Sample 3	
	Vendor	Model Number	Vendor	Model Number	Vendor	Model Number
Memory	SAMSUNG	SA05P91D010	Hynix	SA0QG9G5010	Micron	SA0D81SF010
PA	QORVO	SA07048B020 (QM77048B)	QORVO	SA077048020 (QM77048)	QORVO	SA077048020 (QM77048)
FPC_USB	PBH	MESX314004A	SUNFLEX	MESX114012A	SUNFLEX	MESX114012A
FPC_AJ	PBH	MESX314003A	SUNFLEX	MESX114013A	SUNFLEX	MESX114013A
FPC_Main	PBH	MESX414001A	SUNFLEX	MESX414011A	SUNFLEX	MESX414011A
FPC_SPK	AKM	MESX414004A	SUNFLEX	MESX114015A	SUNFLEX	MESX114015A
FPC_Side_Key	PBH	MESX414002A	AKM	MESX414012A	AKM	MESX414012A
FPC_flashlight	PBH	MESX414003A	SUNFLEX	MESX414013A	SUNFLEX	MESX414013A
rear housing	DY	MESX461130A	COXON	MESX461131A	COXON	MESX461131A
Battery	SCUD	BPSX400001S (SX4)	EVE	BPSX400002S (X4)	EVE	BPSX400002S (X4)
Display	DJN	SLX1462BX00	CPT	SLX65WM2X00	CPT	SLX65WM2X00
Camera 50M	Shinetech	S0CNN72B000	Union Image	S0C50A350A0	Union Image	S0C50A350A0
Camera 8M	Shinetech	S0CF891B060	Union Image	S0C8F357060	Union Image	S0C8F357060
E-compass	MEMSIC	SA0C56030A0	QST	SA0C6308130	QST	SA0C6308130
DPDT	MAXSCEND	SA08546C020	CANAANTEK	SA01122N080	CANAANTEK	SA01122N080
Switch	MAXSCEND	SA08621E080	Richwave	SA086102080	Richwave	SA086102080
P-sensor	EMINENT	SA0MN789080	Sensortek	SA033562020	Sensortek	SA033562020
G- sensor	TDK	SA042670020	Bosch	SA0MI320020	Bosch	SA0MI320020

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 C63.4a-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 C63.4a-2017. 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 (2.4GHz) Link + MPEG 4 + Earphone + USB Cable (Charging form Adapter) + Battery 1 + E-SIM for Main Sample
	Mode 2: WCDMA Band V Idle + Bluetooth Link + WLAN (5GHz) Link + GPS Rx + Earphone + USB Cable (Charging form Adapter) + Battery 1 + SIM 1 for Main Sample
	Mode 3: LTE Band 5 Idle + Bluetooth Link + WLAN (2.4GHz) Link + NFC On + Earphone + USB Cable (Charging form Adapter) + Battery 1 + SIM 1 for Main Sample
	Mode 4: LTE Band 12 Idle + Bluetooth Link + WLAN (5GHz) Link + Camera (Rear) + Earphone + USB Cable (Charging form Adapter) + Battery 1 + SIM 1 for Main Sample
	Mode 5: LTE Band 17 Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + Camera (Front) + Earphone + USB Cable (Charging form Adapter) + Battery 1 + SIM 1 for Main Sample
	Mode 6: LTE Band 2 Idle + Bluetooth Idle + WLAN (5GHz) Idle + H Pattern + Earphone + USB Cable (Charging form Adapter) + SIM 1 for Main Sample
	Mode 7: GSM 850 Idle + Bluetooth Link + WLAN (2.4GHz) Link + Camera (Rear) + Earphone + USB Cable (Charging form Adapter) + Battery 2 + SIM 1 for Sample 2
	Mode 8: GSM 850 Idle + Bluetooth Link + WLAN (2.4GHz) Link + Camera (Front) + Earphone + USB Cable (Charging form Adapter) + Battery 2 + SIM 1 for Sample 2
	Mode 9: GSM 850 Idle + Bluetooth Link + WLAN (2.4GHz) Link + MPEG 4 + Earphone + USB Cable (Charging form Adapter) + Battery 2 + SIM 1 for Sample 3

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

Remark:

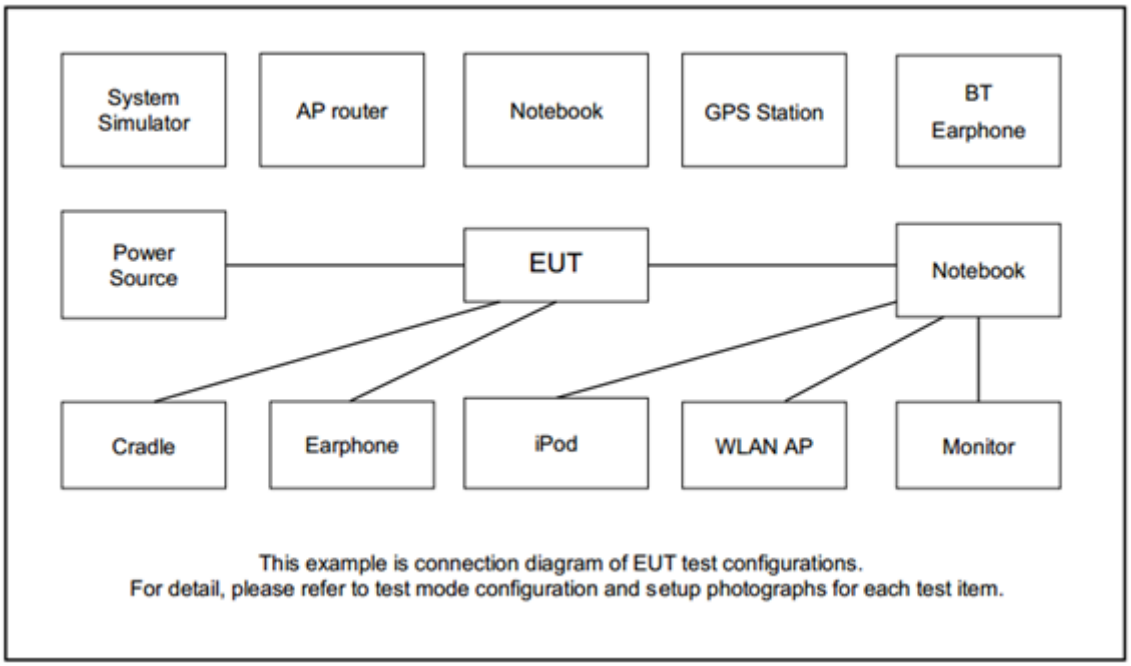
1. The worst case of AC is mode 9; only the test data of this mode was reported.

2. The worst case of RE is mode 6; 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.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8m
2.	GPS Station	Pendulum	GSG-54	N/A	N/A	Unshielded, 1.8m
3.	WLAN AP	ASUS	RT-AC52	N/A	N/A	Unshielded, 1.8m
4.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8m
5.	Notebook	DELL	Latitude 3420	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
6.	Notebook	DELL	P152G	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
7.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0m	N/A
8.	SD Card	ADATA	MicroSD HC	FCC DoC	N/A	N/A
9.	Bluetooth Earphone	Sony Ericsson	MW600	PY700A2029	N/A	N/A
10.	Earphone	NOKIA	WH-108	N/A	Unshielded, 1.5m	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.

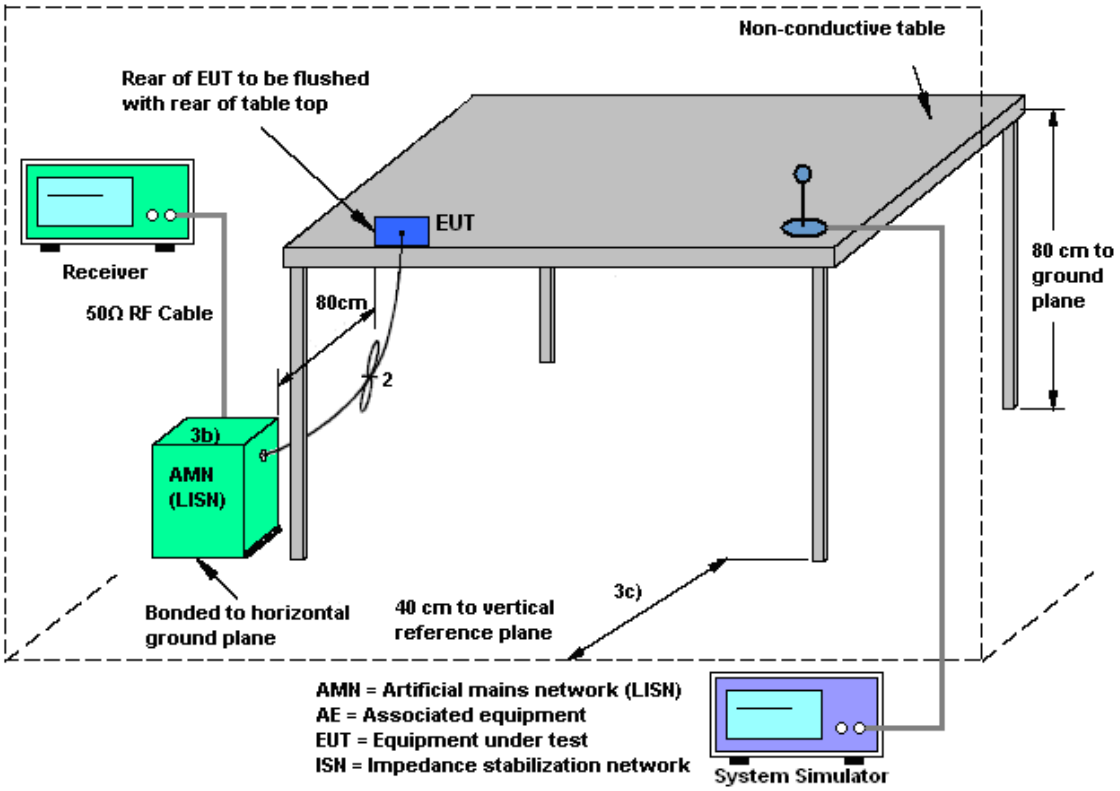
3.1.2. Measuring Instruments

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

3.2.2. Measuring Instruments

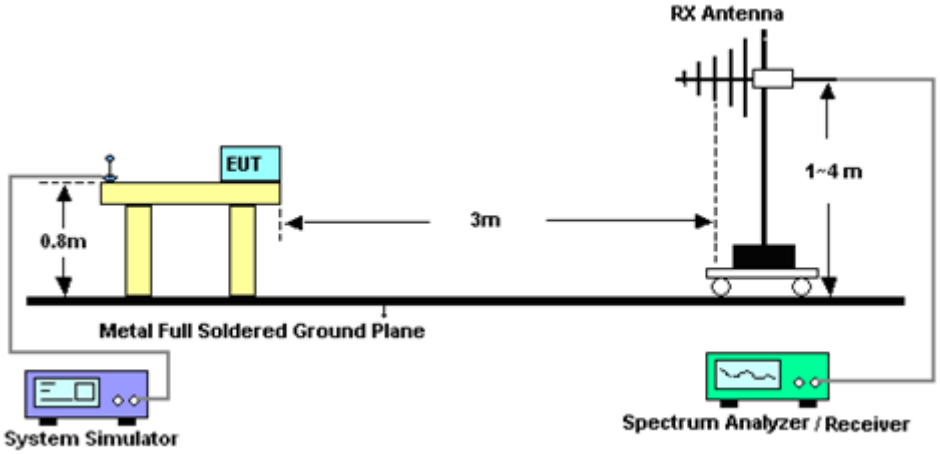
Please refer to the measuring equipment list in this test report.

3.2.3. Test Procedures

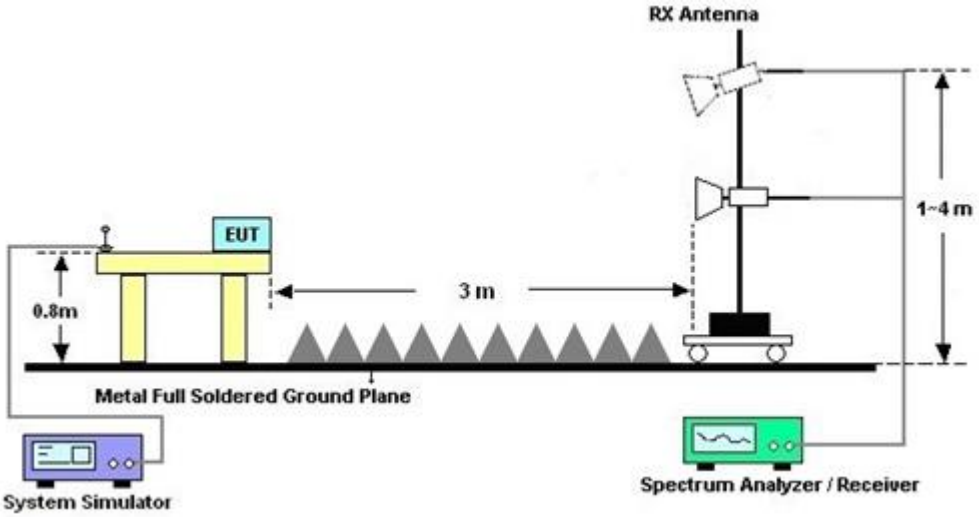
1. The EUT is placed on a turntable with 0.8 meter above ground.
2. The EUT is set 3 meters from the interference receiving antenna, which is mounted on the top of a variable height antenna tower.
3. The table is rotated 360 degrees to determine the position of the highest radiation.
4. The antenna is 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



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	Apr. 08, 2024~ Apr. 16, 2024	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 06, 2023	Apr. 08, 2024~ Apr. 16, 2024	Dec. 05, 2024	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Oct. 26, 2023	Apr. 08, 2024~ Apr. 16, 2024	Oct. 25, 2024	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 22, 2023	Apr. 08, 2024~ Apr. 16, 2024	Nov. 21, 2024	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Apr. 08, 2024~ Apr. 16, 2024	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Jul. 28, 2023	Apr. 08, 2024~ Apr. 16, 2024	Jul. 27, 2024	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 28, 2023	Apr. 08, 2024~ Apr. 16, 2024	Dec. 27, 2024	Conduction (CO05-HY)
Amplifier	SONOMA	310N	186713	9kHz~1GHz	Apr. 17, 2023	Apr. 04, 2024~ Apr. 12, 2024	Apr. 16, 2024	Radiation (03CH06-HY)
Bilog Antenna	Schaffner	CBL 6111C & N-6-06	2725 & AT-N0601	30MHz~1GHz	Nov. 03, 2023	Apr. 04, 2024~ Apr. 12, 2024	Nov. 02, 2024	Radiation (03CH06-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100472	20Hz~26.5GHz	Feb. 01, 2024	Apr. 04, 2024~ Apr. 12, 2024	Jan. 31, 2025	Radiation (03CH06-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02037	1GHz~18GHz	Dec. 28, 2023	Apr. 04, 2024~ Apr. 12, 2024	Dec. 27, 2024	Radiation (03CH06-HY)
Preamplifier	Jet-Power	JPA00101800-30-10P	1601180001	1GHz~18GHz	Jul. 16, 2023	Apr. 04, 2024~ Apr. 12, 2024	Jul. 15, 2024	Radiation (03CH06-HY)
RF Cable	HUBER + SUHNER	SF102_2000mm SF102_3000mm SF102_7000mm	532421/2 532422/2 532299/2	30MHz to 40GHz	Jul. 03, 2023	Apr. 04, 2024~ Apr. 12, 2024	Jul. 02, 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	Apr. 04, 2024~ Apr. 12, 2024	Jul. 02, 2024	Radiation (03CH06-HY)
Hygrometer	TECPEL	DTM-303B	TP210018	N/A	Oct. 24, 2023	Apr. 04, 2024~ Apr. 12, 2024	Oct. 23, 2024	Radiation (03CH06-HY)
Controller	INN-CO	EM1000	060782	Control Turn table & Ant Mast	N/A	Apr. 04, 2024~ Apr. 12, 2024	N/A	Radiation (03CH06-HY)
Antenna Mast	MF	MF-7802	MF780208212	1m~4m	N/A	Apr. 04, 2024~ Apr. 12, 2024	N/A	Radiation (03CH06-HY)
Turn Table	INN-CO	DS2000	420/650/00	0-360 degree	N/A	Apr. 04, 2024~ Apr. 12, 2024	N/A	Radiation (03CH06-HY)
Software	Audix	E3 6.2009-8-24(k5)	N/A	N/A	N/A	Apr. 04, 2024~ Apr. 12, 2024	N/A	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))	**3.5 dB**

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

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

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

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

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

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

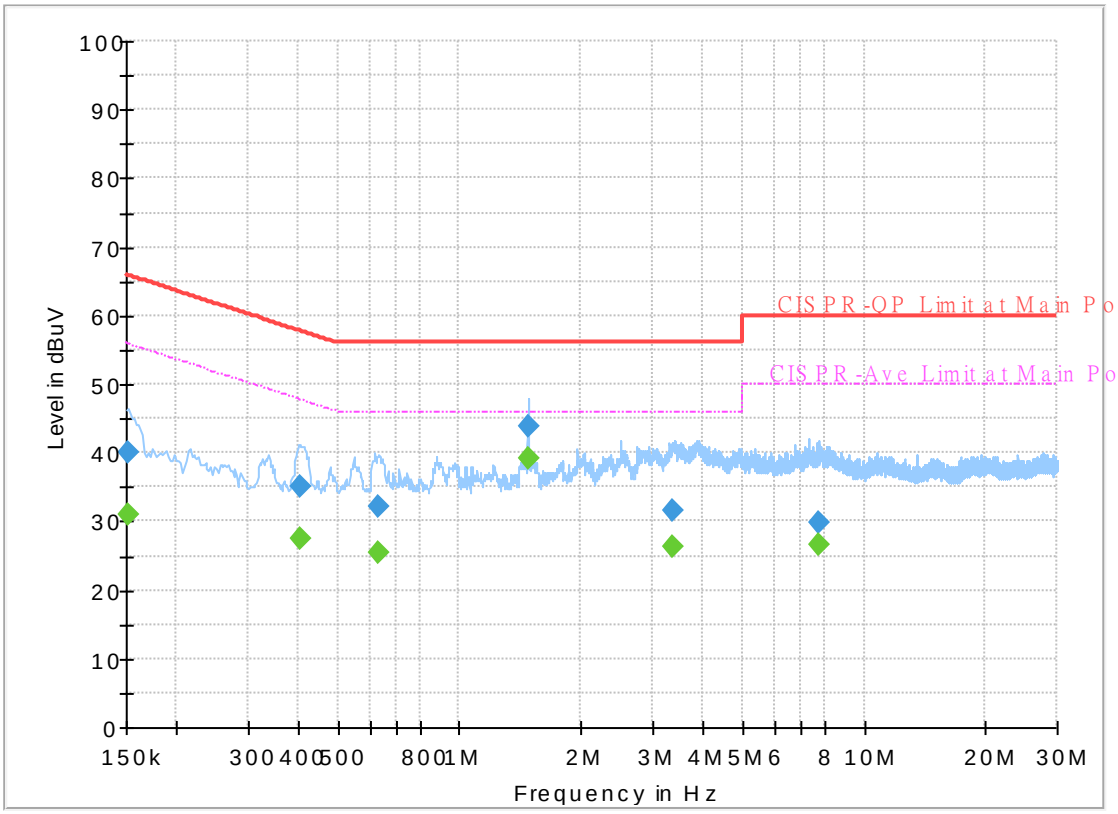
Appendix A. AC Conducted Emission Test Results

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

EUT Information

Report NO :	3D2225
Test Mode :	Mode 9
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



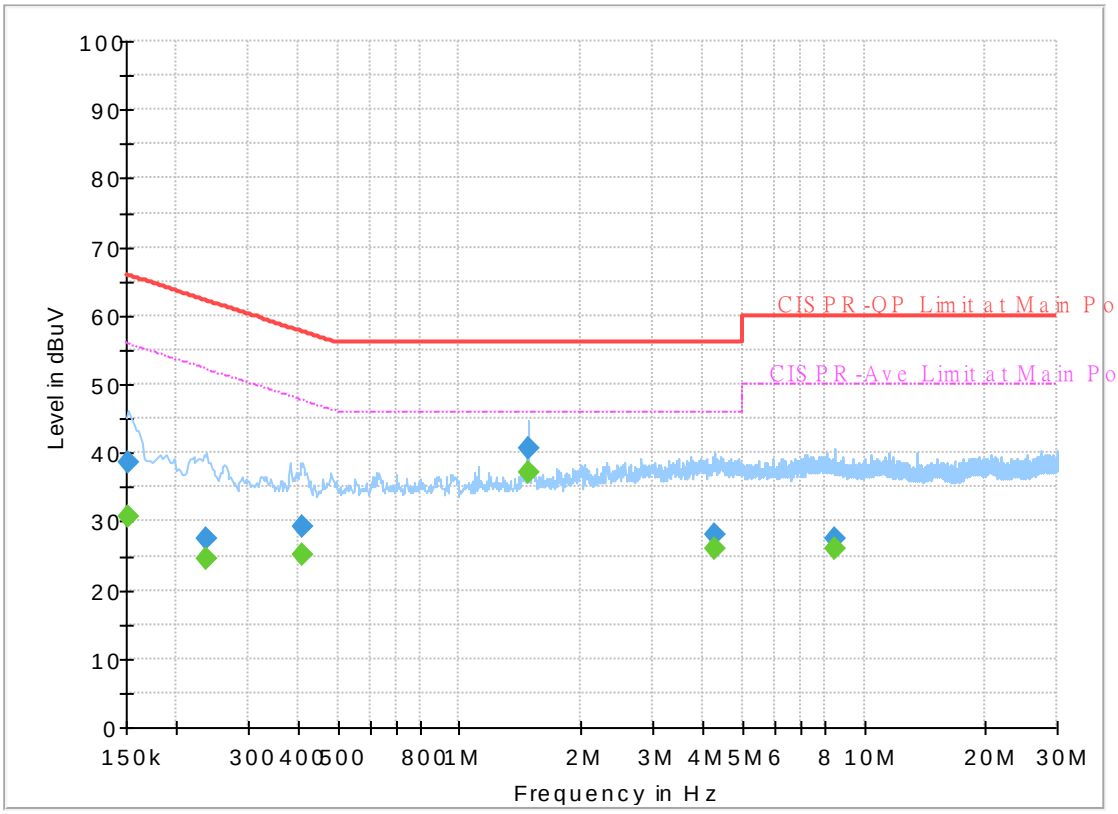
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	31.03	55.88	24.85	L1	OFF	19.8
0.152250	40.03	---	65.88	25.85	L1	OFF	19.8
0.402000	---	27.60	47.81	20.21	L1	OFF	19.8
0.402000	35.09	---	57.81	22.72	L1	OFF	19.8
0.633750	---	25.56	46.00	20.44	L1	OFF	19.8
0.633750	32.12	---	56.00	23.88	L1	OFF	19.8
1.479750	---	39.31	46.00	6.69	L1	OFF	19.9
1.479750	43.71	---	56.00	12.29	L1	OFF	19.9
3.365250	---	26.18	46.00	19.82	L1	OFF	19.9
3.365250	31.69	---	56.00	24.31	L1	OFF	19.9
7.712250	---	26.65	50.00	23.35	L1	OFF	20.1
7.712250	29.75	---	60.00	30.25	L1	OFF	20.1

EUT Information

Report NO :	3D2225
Test Mode :	Mode 9
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



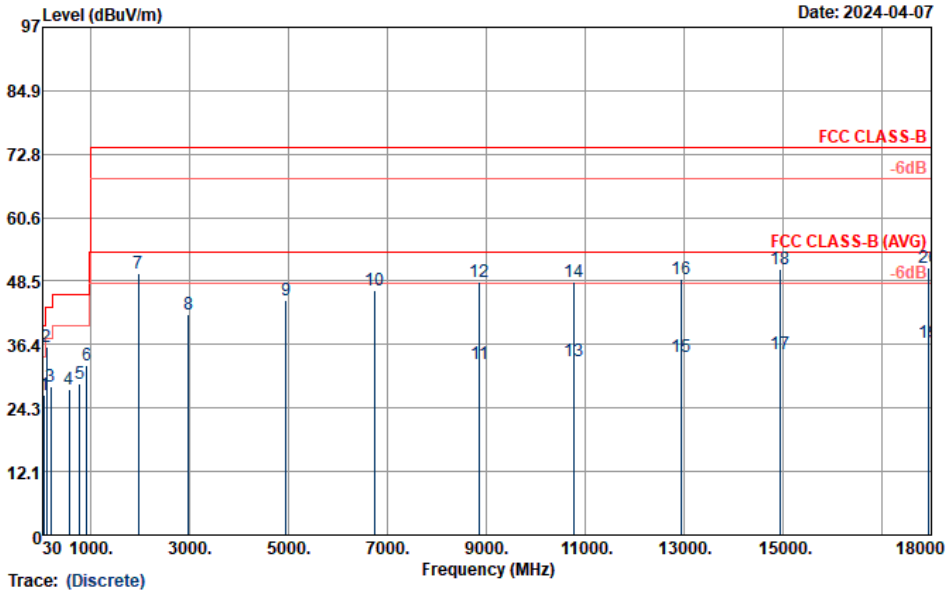
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	30.75	55.88	25.13	N	OFF	19.8
0.152250	38.73	---	65.88	27.15	N	OFF	19.8
0.237750	---	24.58	52.17	27.59	N	OFF	19.8
0.237750	27.45	---	62.17	34.72	N	OFF	19.8
0.411000	---	25.19	47.63	22.44	N	OFF	19.8
0.411000	29.15	---	57.63	28.48	N	OFF	19.8
1.477500	---	37.15	46.00	8.85	N	OFF	19.9
1.477500	40.64	---	56.00	15.36	N	OFF	19.9
4.283250	---	25.91	46.00	20.09	N	OFF	20.0
4.283250	28.16	---	56.00	27.84	N	OFF	20.0
8.479500	---	25.91	50.00	24.09	N	OFF	20.1
8.479500	27.58	---	60.00	32.42	N	OFF	20.1

Appendix B. Radiated Emission Test Result

Test Engineer :	You-Xian Chen	**Temperature :**	23.4~24.8˚C
		Relative Humidity :	46.9~57.3%
Test Distance :	3m	**Polarization :**	Horizontal
Remark :	#7 is system simulator 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

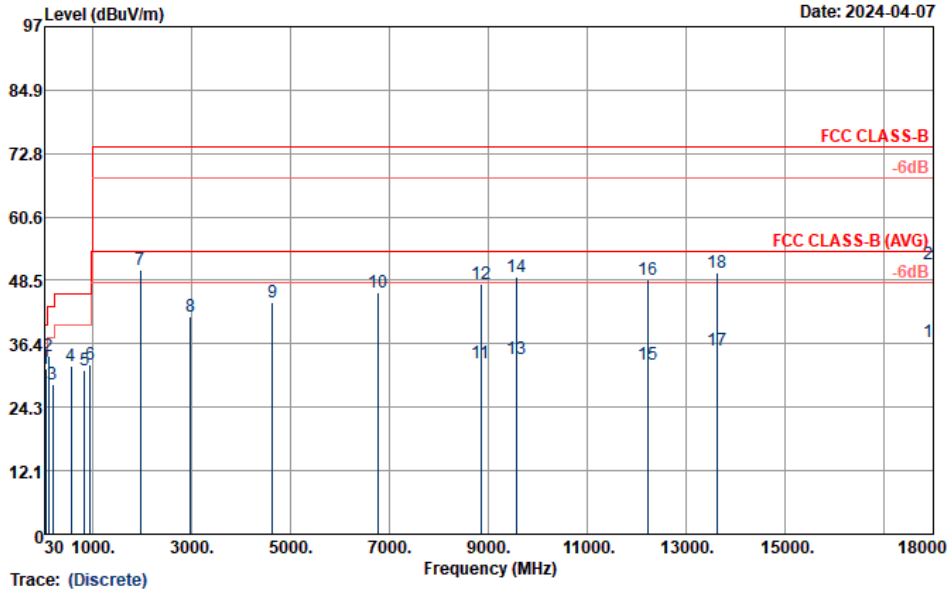


Site : 03CH06-HY
Condition : FCC CLASS-B 3m 9120D_02037 HORIZONTAL
Project : 3D2225
Power : 120Vac/60Hz
Memo : Mode 6

	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	65.91	26.71	-13.29	40.00	44.77	-18.06	---	---	Peak
2	107.76	35.95	-7.55	43.50	49.14	-13.19	---	---	Peak
3	199.56	28.25	-15.25	43.50	42.66	-14.41	---	---	Peak
4	561.80	27.71	-18.29	46.00	29.78	-2.07	---	---	Peak
5	773.90	28.96	-17.04	46.00	28.51	0.45	---	---	Peak
6	923.70	32.33	-13.67	46.00	28.72	3.61	---	---	Peak
7	1960.00	50.10			77.53	-27.43	---	---	Peak
8	2974.00	42.14	-31.86	74.00	64.11	-21.97	---	---	Peak
9	4950.00	44.89	-29.11	74.00	62.27	-17.38	---	---	Peak
10	6742.00	46.65	-27.35	74.00	59.85	-13.20	---	---	Peak
11	8872.00	32.71	-21.29	54.00	42.80	-10.09	100	154	Average
12	8872.00	48.49	-25.51	74.00	58.58	-10.09	100	154	Peak
13	10774.00	33.28	-20.72	54.00	41.00	-7.72	100	80	Average
14	10774.00	48.42	-25.58	74.00	56.14	-7.72	100	80	Peak
15	12956.00	33.95	-20.05	54.00	37.99	-4.04	100	304	Average
16	12956.00	48.86	-25.14	74.00	52.90	-4.04	100	304	Peak
17	14955.00	34.60	-19.40	54.00	36.30	-1.70	100	135	Average
18	14955.00	50.79	-23.21	74.00	52.49	-1.70	100	135	Peak
19	17955.00	36.85	-17.15	54.00	30.50	6.35	100	219	Average
20	17955.00	50.94	-23.06	74.00	44.59	6.35	100	219	Peak

Test Engineer :	You-Xian Chen	**Temperature :**	23.4~24.8°C
		Relative Humidity :	46.9~57.3%
Test Distance :	3m	**Polarization :**	Vertical
Remark :	#7 is system simulator 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 9120D_02037 VERTICAL
Project : 3D2225
Power : 120Vac/60Hz
Memo : Mode 6

	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	45.12	31.72	-8.28	40.00	45.51	-13.79	100	190	QP
2	115.59	34.03	-9.47	43.50	46.71	-12.68	---	---	Peak
3	192.27	28.64	-14.86	43.50	43.27	-14.63	---	---	Peak
4	561.80	32.17	-13.83	46.00	34.24	-2.07	---	---	Peak
5	843.20	31.22	-14.78	46.00	29.35	1.87	---	---	Peak
6	953.80	32.43	-13.57	46.00	28.37	4.06	---	---	Peak
7	1960.00	50.44			77.87	-27.43	---	---	Peak
8	2974.00	41.69	-32.31	74.00	63.66	-21.97	---	---	Peak
9	4642.00	44.25	-29.75	74.00	62.89	-18.64	---	---	Peak
10	6774.00	46.30	-27.70	74.00	59.47	-13.17	---	---	Peak
11	8856.00	32.77	-21.23	54.00	42.90	-10.13	100	60	Average
12	8856.00	47.85	-26.15	74.00	57.98	-10.13	100	60	Peak
13	9562.00	33.39	-20.61	54.00	42.49	-9.10	100	104	Average
14	9562.00	49.23	-24.77	74.00	58.33	-9.10	100	104	Peak
15	12232.00	32.54	-21.46	54.00	38.80	-6.26	100	15	Average
16	12232.00	48.64	-25.36	74.00	54.90	-6.26	100	15	Peak
17	13620.00	35.16	-18.84	54.00	38.00	-2.84	100	86	Average
18	13620.00	49.98	-24.02	74.00	52.82	-2.84	100	86	Peak
19	17990.00	36.72	-17.28	54.00	30.00	6.72	100	8	Average
20	17990.00	51.61	-22.39	74.00	44.89	6.72	100	8	Peak