



FCC CO-LOCATION RADIO 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 Part 15 Subpart C §15.247
FCC Part 15 Subpart E §15.407

The product was received on Feb. 20, 2025 and testing was performed from Mar. 25, 2025 to Apr. 16, 2025. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures 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. Wensan Laboratory, the test report shall not be reproduced except in full.

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issue Date
FR4D0637G	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	15.247(d) 15.407(b)	Unwanted Emissions	Pass	-
3.2	15.203	Antenna Requirement	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: Josie Hsu



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs GSM/WCDMA/LTE/5G NR, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac, Wi-Fi 5GHz 802.11a/n/ac, GNSS and NFC.	
Antenna Type Bluetooth: Loop Antenna WLAN: Loop Antenna	

Antenna information		
2400 MHz ~ 2483.5 MHz	Peak Gain (dBi)	-2.51
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	0.74
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	1.19

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	Shinotech	S0CNN72B000	Union Image	S0C50A350A0	Union Image	S0C50A350A0
Front camera	Shinotech	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 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No. 03CH20-HY

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC designation No.: TW3786

1.4 Applicable Standards

According to the specifications declared by the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC Part 15 Subpart E
- ♦ FCC Part 15 Subpart C §15.247
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ FCC KDB Publication No. 558074 D01 15.247 Meas Guidance v05r02
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ ANSI C63.10-2013

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



2 Test Configuration of Equipment Under Test

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.

2.1 Carrier Frequency and Channel

2400-2483.5 MHz		5725-5850 MHz	
Bluetooth		802.11a	
Channel	Freq. (MHz)	Channel	Freq. (MHz)
0	2402	157	5785

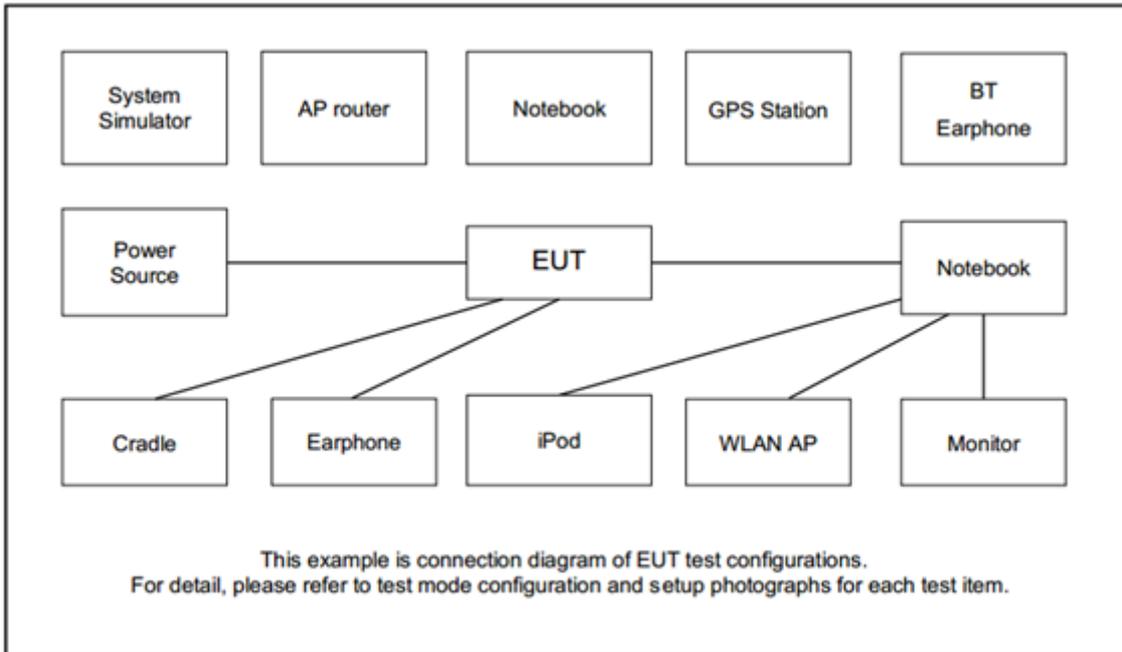
2.2 Test Mode

<Co-Location>

Modulation	Data Rate	Worst Plane
Bluetooth – LE for + LTE B5 CH20525 + 5GHz + 802.11a	1 Mbps + 6 Mbps	Z Plane with Adapter

Remark: For Radiated Test Cases, the tests were performed with Sample 1.

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Earphone	NOKIA	WH-108	N/A	N/A	Unshielded, 1.5 m
2.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, make the EUT (SW: 00.00.06A3040) get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.



3 Test Result

3.1 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

3.1.1 Limit of Unwanted Emissions

<For 2402 MHz ~ 2480 MHz>

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device is measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB.

<For 5725 MHz ~ 5850MHz>

Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

Note: The following formula is used to convert the EIRP to field strength.

$$E = \frac{1000000\sqrt{30P}}{3} \text{ } \mu\text{V/m, where P is the eirp (Watts)}$$

EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27	68.3

(2) KDB789033 D02 v02r01 G)2)c)

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.



3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

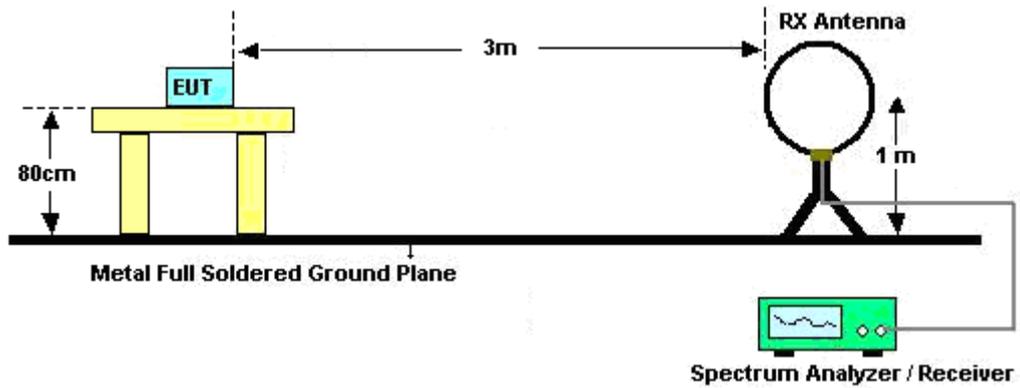
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW \geq 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold
 - (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW \geq 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.



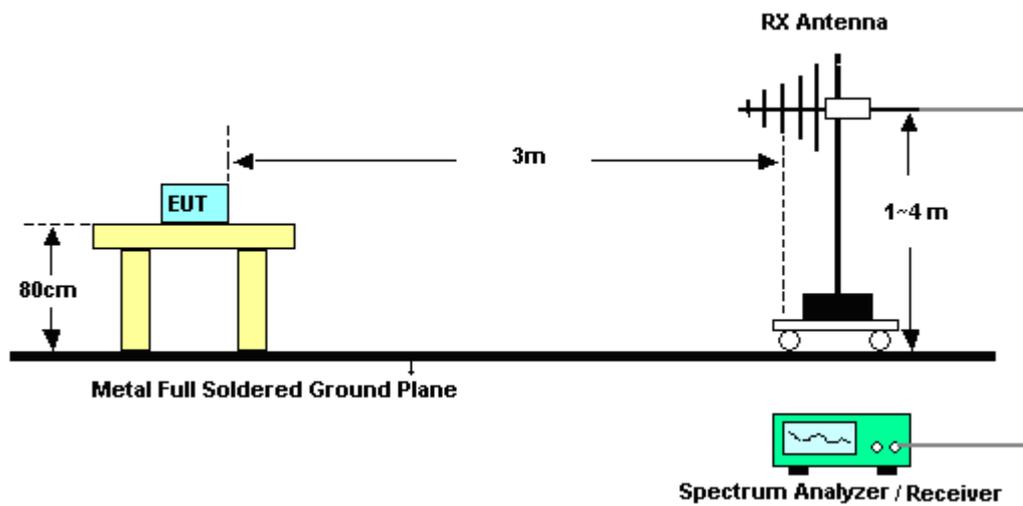
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-“.
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-“.

3.1.4 Test Setup

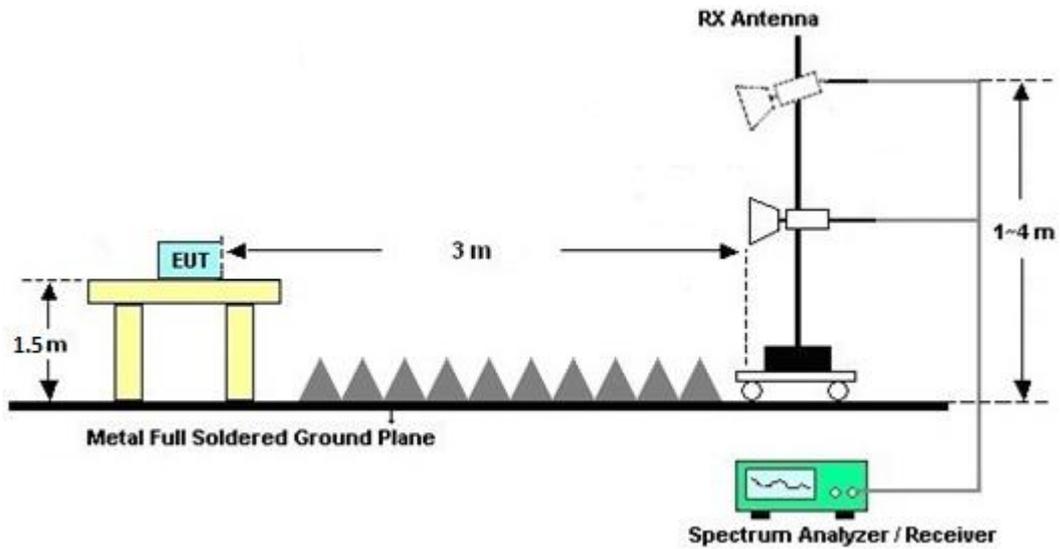
For radiated emissions below 30MHz



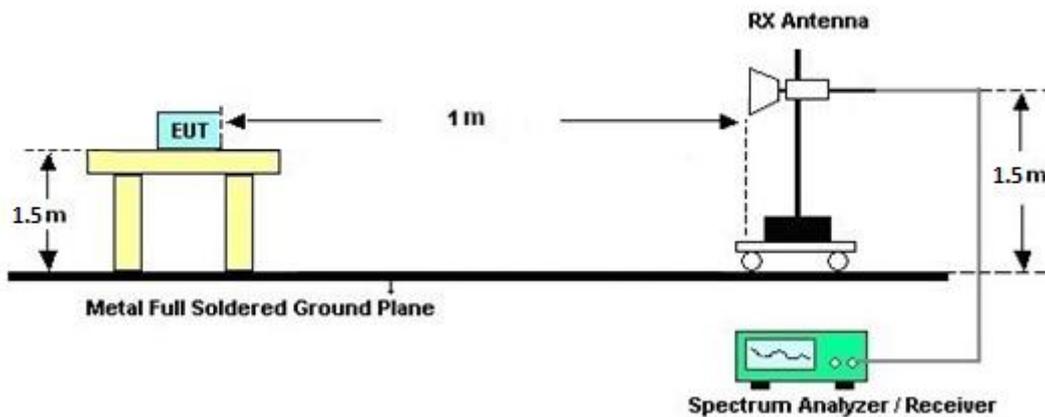
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.1.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.



3.1.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix A.

3.1.7 Duty Cycle

Please refer to Appendix B.

3.1.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix A.



3.2 Antenna Requirements

3.2.1 Standard Applicable

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§ 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

3.2.2 Antenna Anti-Replacement Construction

Antenna permanently attached.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	N/A	Oct. 16, 2024	Mar. 25, 2025~ Apr. 16, 2025	Oct. 15, 2025	Radiation (03CH20-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Aug. 29, 2024	Mar. 25, 2025~ Apr. 16, 2025	Aug. 28, 2025	Radiation (03CH20-HY)
Preamplifier	EMEC	EM18G40G	060873	18GHz~40GHz	Sep. 02, 2024	Mar. 25, 2025~ Apr. 16, 2025	Sep. 01, 2025	Radiation (03CH20-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Mar. 25, 2025~ Apr. 16, 2025	N/A	Radiation (03CH20-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Mar. 25, 2025~ Apr. 16, 2025	N/A	Radiation (03CH20-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Mar. 25, 2025~ Apr. 16, 2025	N/A	Radiation (03CH20-HY)
Signal Analyzer	Keysight	N9010B	MY60240520	N/A	Dec. 09, 2024	Mar. 25, 2025~ Apr. 16, 2025	Dec. 08, 2025	Radiation (03CH20-HY)
Bilog Antenna	TESEQ	CBL 6111D&00802N1 D01N-06	55606 & 08	30MHz~1GHz	Nov. 27, 2024	Mar. 25, 2025~ Apr. 16, 2025	Nov. 26, 2025	Radiation (03CH20-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	02360	1GHz-18GHz	Nov. 01, 2024	Mar. 25, 2025~ Apr. 16, 2025	Oct. 31, 2025	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz-40GHz	Jun. 24, 2024	Mar. 25, 2025~ Apr. 16, 2025	Jun. 23, 2025	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz-1000MHz	Dec. 31, 2024	Mar. 25, 2025~ Apr. 16, 2025	Dec. 30, 2025	Radiation (03CH20-HY)
Amplifier	EMCI	EMC118A45SE	980792	N/A	Nov. 12, 2024	Mar. 25, 2025~ Apr. 16, 2025	Nov. 11, 2025	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,804 015/2,804027 /2	N/A	Jan. 16, 2025	Mar. 25, 2025~ Apr. 16, 2025	Jan. 15, 2026	Radiation (03CH20-HY)
Hygrometer	TECPEL	DTM-303A	TP211542	N/A	Oct. 21, 2024	Mar. 25, 2025~ Apr. 16, 2025	Oct. 20, 2025	Radiation (03CH20-HY)
Software	Audix	N/A	RK-002156	N/A	N/A	Mar. 25, 2025~ Apr. 16, 2025	N/A	Radiation (03CH20-HY)



5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.70 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.4 dB
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Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.60 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.70 dB
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Appendix A. Radiated Spurious Emission

Test Engineer :	John Chuang, David Dai and Sam Chou	Relative Humidity(%):	64.9~69.9
		Temperature(°C):	19.5~22.6

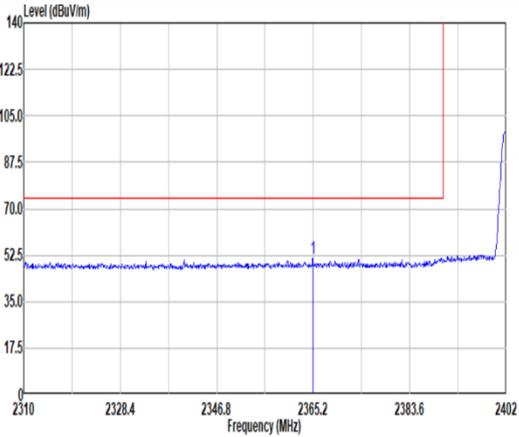
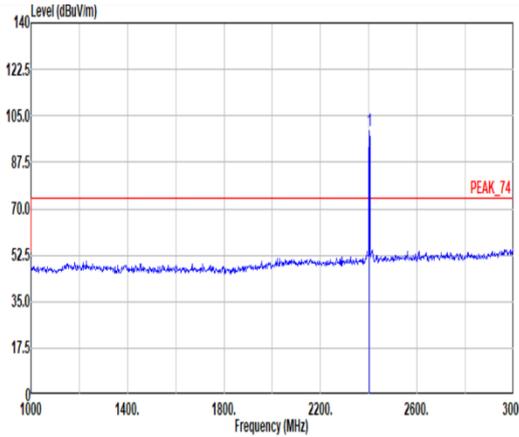
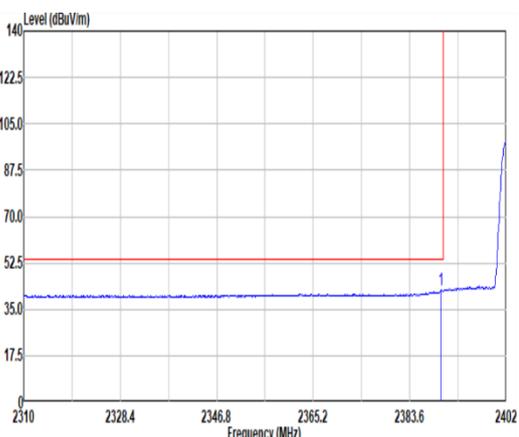
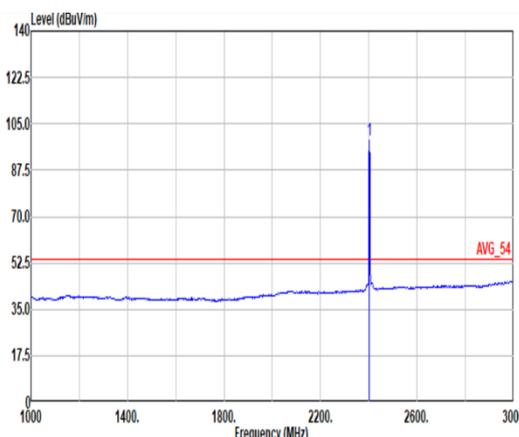
A1. Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	2400-2483.5	4	Bluetooth-LE_GFSK	00	2402	1Mbps	-	-
Mode 1	5.725-5.85	4	802.11a	157	5785	MCS0	-	-
Mode 1	5.725-5.85	4	802.11a	157	5785	MCS0	-	LF

A2. Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
1	Bluetooth-LE_GFSK	00	2364.74	42.12	54.00	-11.88	V	Avg	Pass	-	Band Edge
	Bluetooth-LE_GFSK	00	4804.00	45.84	74.00	-28.16	H	Avg	Pass	-	Harmonic
1	802.11a	157	5932.02	60.14	68.20	-8.06	V	Peak.	Pass	-	Band Edge
1	802.11a	157	11570.00	41.80	54.00	-12.20	V	Avg.	Pass	-	Harmonic
1	LF	00	123.12	35.66	43.50	-7.84	V	Peak	Pass	-	LF

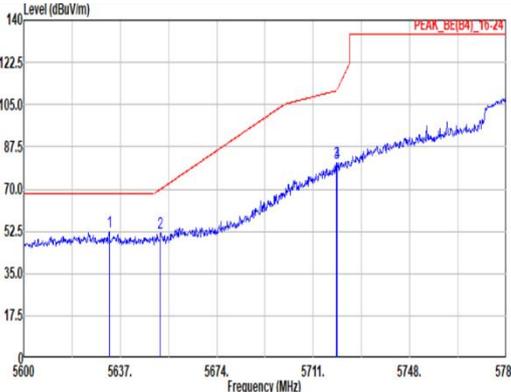
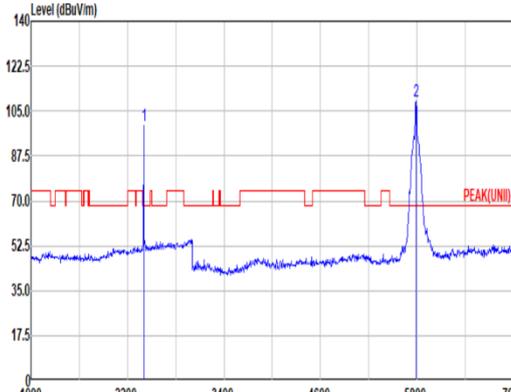
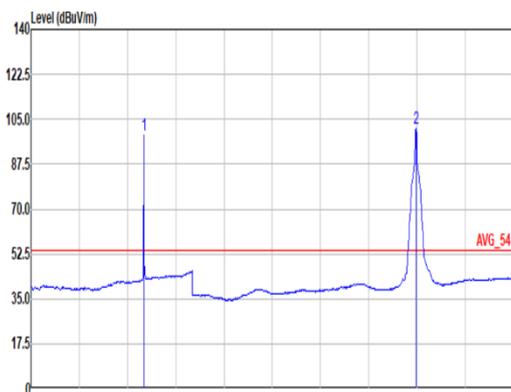


Mode	1																																																																																																	
	Band Edge																																																																																																	
	2400-2483.5_Bluetooth-LE_GFSK_CH00_2402MHz																																																																																																	
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Avg	Blank	<p>Site : 03CH20-HY Condition: AVG_54 3m HF_91200_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto</p> <table border="1"> <thead> <tr> <th></th> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable</th> <th>Aux</th> <th>APos</th> <th>TPos</th> <th></th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Line Margin</th> <th>Level</th> <th>Factor</th> <th>Loss Factor</th> <th>Factor</th> <th></th> <th>Remark</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV/m</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV</th> <th>dB/m</th> <th>dB</th> <th>dB</th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2402.00</td> <td>98.11</td> <td>-----</td> <td>-----</td> <td>87.86</td> <td>27.42</td> <td>8.64</td> <td>36.27</td> <td>9.68</td> <td>100</td> <td>104</td> <td>AVERAGE</td> </tr> <tr> <td>2</td> <td>5785.00</td> <td>102.56</td> <td>-----</td> <td>-----</td> <td>92.43</td> <td>33.96</td> <td>13.59</td> <td>37.92</td> <td>0.50</td> <td>115</td> <td>10</td> <td>AVERAGE</td> </tr> </tbody> </table>		Limit	Read	Ant	Cable	Aux	APos	TPos		Freq	Level	Line Margin	Level	Factor	Loss Factor	Factor		Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2402.00	98.11	-----	-----	87.86	27.42	8.64	36.27	9.68	100	104	AVERAGE	2	5785.00	102.56	-----	-----	92.43	33.96	13.59	37.92	0.50	115	10	AVERAGE																																																																																	
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Loss (dB)	Preamp Loss (dB)	Aux Factor (dB)	APos (cm)	TPos (deg)	Remark	1	67.83	29.83	40.00	-10.17	51.70	12.18	1.47	35.72	0.20	286	319	QP	2	123.12	35.66	43.50	-7.84	51.58	17.55	1.97	35.64	0.20	--	--	Peak	3	233.70	32.87	46.00	-13.13	48.77	16.63	2.72	35.44	0.19	--	--	Peak	4	368.53	28.89	46.00	-17.91	38.71	20.89	3.40	35.07	0.16	--	--	Peak	5	602.30	30.34	46.00	-15.66	34.46	25.90	4.34	34.45	0.09	--	--	Peak	6	784.66	33.18	46.00	-12.82	33.61	28.23	4.94	33.75	0.15	--	--	Peak	7	832.19	96.89	-----	-----	--	--	--	--	--	--	--	Peak	8	885.54	51.91	-----	-----	--	--	--	--	--	--	--	Peak	<p>Site : 03CH20-HY Condition: QP 3m Bilog_55606 & 00_241127 VERTICAL</p> <table border="1"> <thead> <tr> <th>Peak</th> <th>Freq (MHz)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Line Margin (dB)</th> <th>Read Level (dBuV)</th> <th>Ant Factor (dB/m)</th> <th>Cable Loss (dB)</th> <th>Preamp Loss (dB)</th> <th>Aux Factor (dB)</th> <th>APos (cm)</th> <th>TPos (deg)</th> <th>Remark</th> </tr> </thead> <tbody> <tr><td>1</td><td>46.49</td><td>30.21</td><td>40.00</td><td>-9.79</td><td>48.40</td><td>16.05</td><td>1.20</td><td>35.75</td><td>0.23</td><td>100</td><td>45</td><td>QP</td></tr> <tr><td>2</td><td>67.83</td><td>30.55</td><td>40.00</td><td>-9.45</td><td>52.42</td><td>12.18</td><td>1.47</td><td>35.72</td><td>0.20</td><td>301</td><td>240</td><td>QP</td></tr> <tr><td>3</td><td>122.15</td><td>33.85</td><td>43.50</td><td>-9.65</td><td>49.75</td><td>17.58</td><td>1.97</td><td>35.65</td><td>0.20</td><td>100</td><td>87</td><td>QP</td></tr> <tr><td>4</td><td>285.57</td><td>28.70</td><td>43.50</td><td>-14.80</td><td>46.20</td><td>15.25</td><td>2.55</td><td>35.50</td><td>0.20</td><td>--</td><td>--</td><td>Peak</td></tr> <tr><td>5</td><td>502.39</td><td>30.78</td><td>46.00</td><td>-15.22</td><td>37.46</td><td>24.00</td><td>3.95</td><td>34.76</td><td>0.13</td><td>--</td><td>--</td><td>Peak</td></tr> <tr><td>6</td><td>757.50</td><td>33.27</td><td>46.00</td><td>-12.73</td><td>33.94</td><td>28.18</td><td>4.87</td><td>33.86</td><td>0.14</td><td>--</td><td>--</td><td>Peak</td></tr> <tr><td>7</td><td>832.19</td><td>96.16</td><td>-----</td><td>-----</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr> <tr><td>8</td><td>885.54</td><td>55.18</td><td>-----</td><td>-----</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr> </tbody> </table>	Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Factor (dB/m)	Cable Loss (dB)	Preamp Loss (dB)	Aux Factor (dB)	APos (cm)	TPos (deg)	Remark	1	46.49	30.21	40.00	-9.79	48.40	16.05	1.20	35.75	0.23	100	45	QP	2	67.83	30.55	40.00	-9.45	52.42	12.18	1.47	35.72	0.20	301	240	QP	3	122.15	33.85	43.50	-9.65	49.75	17.58	1.97	35.65	0.20	100	87	QP	4	285.57	28.70	43.50	-14.80	46.20	15.25	2.55	35.50	0.20	--	--	Peak	5	502.39	30.78	46.00	-15.22	37.46	24.00	3.95	34.76	0.13	--	--	Peak	6	757.50	33.27	46.00	-12.73	33.94	28.18	4.87	33.86	0.14	--	--	Peak	7	832.19	96.16	-----	-----	--	--	--	--	--	--	--	Peak	8	885.54	55.18	-----	-----	--	--	--	--	--	--	--	Peak
Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Factor (dB/m)	Cable Loss (dB)	Preamp Loss (dB)	Aux Factor (dB)	APos (cm)	TPos (deg)	Remark																																																																																																																																																																																																																																
1	67.83	29.83	40.00	-10.17	51.70	12.18	1.47	35.72	0.20	286	319	QP																																																																																																																																																																																																																																
2	123.12	35.66	43.50	-7.84	51.58	17.55	1.97	35.64	0.20	--	--	Peak																																																																																																																																																																																																																																
3	233.70	32.87	46.00	-13.13	48.77	16.63	2.72	35.44	0.19	--	--	Peak																																																																																																																																																																																																																																
4	368.53	28.89	46.00	-17.91	38.71	20.89	3.40	35.07	0.16	--	--	Peak																																																																																																																																																																																																																																
5	602.30	30.34	46.00	-15.66	34.46	25.90	4.34	34.45	0.09	--	--	Peak																																																																																																																																																																																																																																
6	784.66	33.18	46.00	-12.82	33.61	28.23	4.94	33.75	0.15	--	--	Peak																																																																																																																																																																																																																																
7	832.19	96.89	-----	-----	--	--	--	--	--	--	--	Peak																																																																																																																																																																																																																																
8	885.54	51.91	-----	-----	--	--	--	--	--	--	--	Peak																																																																																																																																																																																																																																
Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Factor (dB/m)	Cable Loss (dB)	Preamp Loss (dB)	Aux Factor (dB)	APos (cm)	TPos (deg)	Remark																																																																																																																																																																																																																																
1	46.49	30.21	40.00	-9.79	48.40	16.05	1.20	35.75	0.23	100	45	QP																																																																																																																																																																																																																																
2	67.83	30.55	40.00	-9.45	52.42	12.18	1.47	35.72	0.20	301	240	QP																																																																																																																																																																																																																																
3	122.15	33.85	43.50	-9.65	49.75	17.58	1.97	35.65	0.20	100	87	QP																																																																																																																																																																																																																																
4	285.57	28.70	43.50	-14.80	46.20	15.25	2.55	35.50	0.20	--	--	Peak																																																																																																																																																																																																																																
5	502.39	30.78	46.00	-15.22	37.46	24.00	3.95	34.76	0.13	--	--	Peak																																																																																																																																																																																																																																
6	757.50	33.27	46.00	-12.73	33.94	28.18	4.87	33.86	0.14	--	--	Peak																																																																																																																																																																																																																																
7	832.19	96.16	-----	-----	--	--	--	--	--	--	--	Peak																																																																																																																																																																																																																																
8	885.54	55.18	-----	-----	--	--	--	--	--	--	--	Peak																																																																																																																																																																																																																																

Remark: For #7 is WWAN signal which can be ignored



Appendix B. Duty Cycle Plots

Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
Bluetooth - LE for 1Mbps	61.24	384	2.60	2.7kHz
802.11a	97.48	0.72	750Hz	

