



FCC RADIO TEST REPORT

FCC ID : IHDT56AY1
Equipment : Mobile cellular phone
Brand Name : Motorola
Model Name : XT2701-1, XT2701-2
Applicant : Motorola Mobility LLC
222 W. Merchandise Mart Plaza, Chicago, IL
60654, USA
Manufacturer : Motorola Mobility LLC
222 W. Merchandise Mart Plaza, Chicago, IL
60654, USA
Standard : FCC Part 15 Subpart E §15.407

The product was received on Aug. 13, 2026 and testing was performed from Aug. 18, 2026 to Sep. 17, 2026. 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.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory
No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010



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History of this test report

Report No.	Version	Description	Issue Date
FR672113M	01	Initial issue of report	Sep. 23, 2026

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403	6dB & 26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	-
3.5	15.207	AC Conducted Emission	Pass	-
3.6	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/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: Dara Chiu

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/ax/be, Wi-Fi 5GHz 802.11a/n/ac/ax/be, Wi-Fi 6GHz 802.11a/ax/be, NFC, UWB, WPT and GNSS.
Antenna Type	WLAN: PIFA Antenna
Sample 1	P+E-SIM
Sample 2	P+P-SIM

Antenna information		
5728.75 MHz ~ 5848.75 MHz	Peak Gain (dBi)	Ant. 5: -6.70

Remark:

1. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.
2. All test items were performed with Sample 1.
3. The models XT2701-1, XT2701-2 are only for market differentiation, all the others are the same.

EUT Information List	
IMEI	Performed Test Item
53070500009572/353070500009580	Conducted
353070500008095/353070500008103	Radiated Spurious Emission
353070500007832/353070500007840	Conducted Emission

Specification of Accessory				
AC Adapter 1(US)	Brand Name	Motorola (Salcomp)	Model Name	MC-901
AC Adapter 1(EU)	Brand Name	Motorola (Salcomp)	Model Name	MC-902
AC Adapter 1(UK)	Brand Name	Motorola (Salcomp)	Model Name	MC-903
AC Adapter 1(AR)	Brand Name	Motorola (Salcomp)	Model Name	MC-906
AC Adapter 1(BR)	Brand Name	Motorola (Salcomp)	Model Name	MC-907
AC Adapter 1(CHILE)	Brand Name	Motorola (Salcomp)	Model Name	MC-909
AC Adapter 2(IN)	Brand Name	Motorola (Salcomp)	Model Name	MC-904
AC Adapter 2(IN Local)	Brand Name	Motorola (Salcomp)	Model Name	MC-904
AC Adapter 3(US)	Brand Name	Motorola (AOHAI)	Model Name	MC-901
AC Adapter 3(EU)	Brand Name	Motorola (AOHAI)	Model Name	MC-902
AC Adapter 3(UK)	Brand Name	Motorola (AOHAI)	Model Name	MC-903
AC Adapter 3(AR)	Brand Name	Motorola (AOHAI)	Model Name	MC-906
AC Adapter 3(BR)	Brand Name	Motorola (AOHAI)	Model Name	MC-907
AC Adapter 3(CHILE)	Brand Name	Motorola (AOHAI)	Model Name	MC-909

AC Adapter 4(IN)	Brand Name	Motorola (AOHAI)	Model Name	MC-904
AC Adapter 4(IN Local)	Brand Name	Motorola (XIHI)	Model Name	MC-904
Battery	Brand Name	Motorola (ATL)	Model Name	TZ70
USB Cable 1	Brand Name	Motorola (Saibao)	Model Name	SC18D86731
USB Cable 2	Brand Name	Motorola (Luxshare)	Model Name	SC18E08103
USB Cable 3	Brand Name	Motorola (Saibao)	Model Name	SC18D71644
USB Cable 4	Brand Name	Motorola (Luxshare)	Model Name	SC18E08104
Protective case	Brand Name	Motorola (Techson)	Model Name	SS68F43462

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

The test location is accredited based on TAF code 1190 and 3786 designated by NCC (National Communication Commission).

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333
Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010

FCC designation No.: TW1190 and TW3786

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

1.4 Applicable Standards

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

- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC Part 15 Subpart E
- ♦ ANSI C63.10-2020 + Cor.1-2023

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

- a. 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: conduction emission (150 kHz to 30 MHz), 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.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5728.75 ~ 5848.75 MHz (802.15.4ab)	1	5728.75	25	5788.75
	49	5848.75		

Channel spacing: 2.5 MHz

2.2 Test Mode

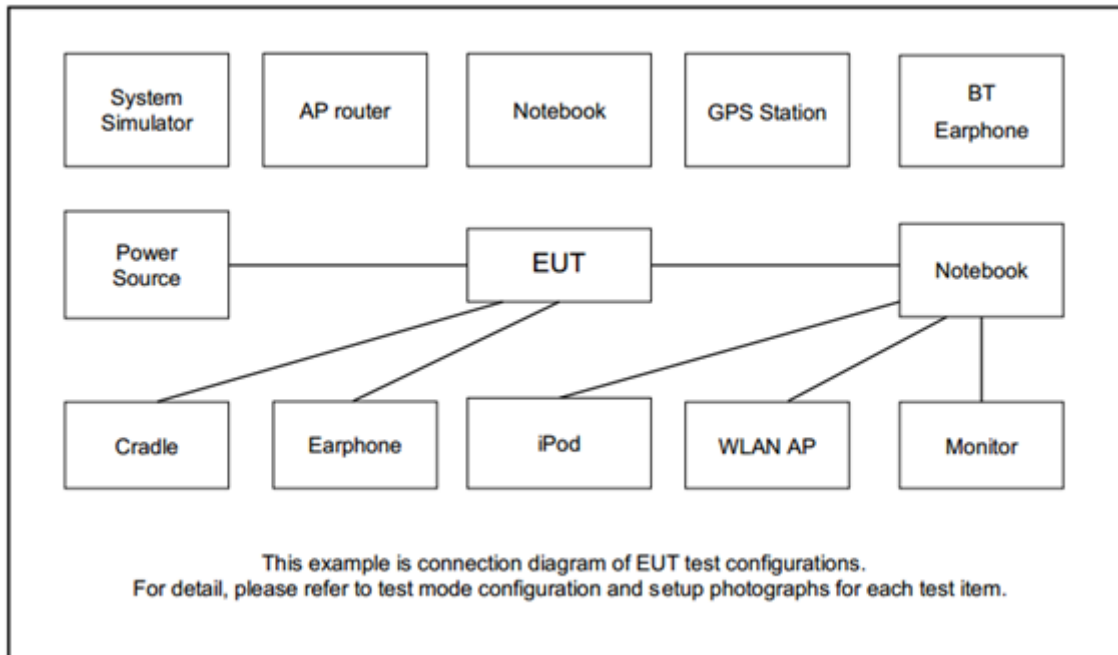
The power for 802.11n mode is smaller than 802.11ac mode, so all other conducted and radiated test is covered by 802.11ac mode.

The final test modes include the worst data rates for each modulation shown in the table below.

Modulation	Data Rate
802.15.4ab	250kbps

Test Cases	
AC Conducted Emission	Mode 1: UWB NBA-MMS Tx + USB Cable3 (Charging From Adaptor3)
Remark: - For Radiated Test Cases, the tests were performed with Adapter and USB Cable. - The detailed Radiated test modes are shown in Appendix C. - For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.	

2.3 Connection Diagram of Test System



2.4 EUT Operation Test Setup

The RF test items, utility "QRCT 4.0.199.1" was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.5 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 5.38 dB and 20 dB attenuator.

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\ &= 5.38 + 20 = 25.38 \text{ (dB)} \end{aligned}$$

3 Test Result

3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement

3.1.1 Description of 6dB and 26dB and 99% Occupied Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

26dB and 99% Occupied bandwidth are reporting only.

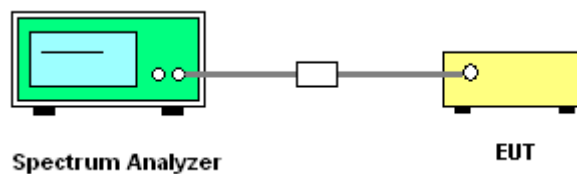
3.1.2 Measuring Instruments

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 C) Emission bandwidth for the band 5.72875–5.84875 GHz
2. Set RBW = 100 kHz.
3. Set the VBW $\geq 3 \times$ RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
7. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

Please refer to Appendix A.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

For the band 5.725–5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.2.2 Measuring Instruments

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

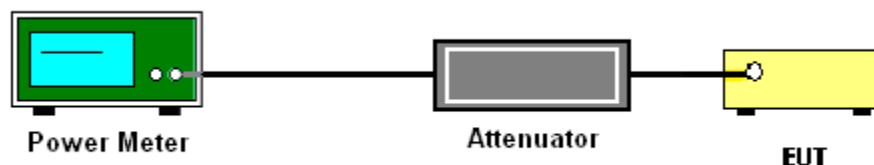
3.2.3 Test Procedures

The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM-G (Measurement using a gated RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

For the band 5.725–5.850 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

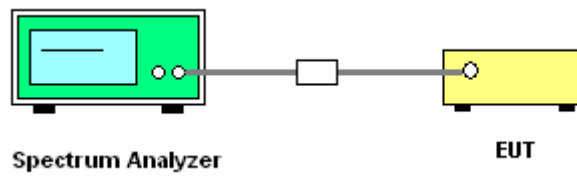
The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section F) Maximum power spectral density.

Method SA-2

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 500kHz.
 - Set VBW $\geq$ 1 MHz.
 - Number of points in sweep $\geq$ 2 Span / RBW.
 - Sweep time = auto.
 - Detector = RMS
 - Trace average at least 100 traces in power averaging mode.
 - Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.
1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
 2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

- (1) For transmitters operating in the 5.725–5.850 GHz band:

15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

- (2) Unwanted spurious emissions falls 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

3.4.2 Measuring Instruments

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

3.4.3 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

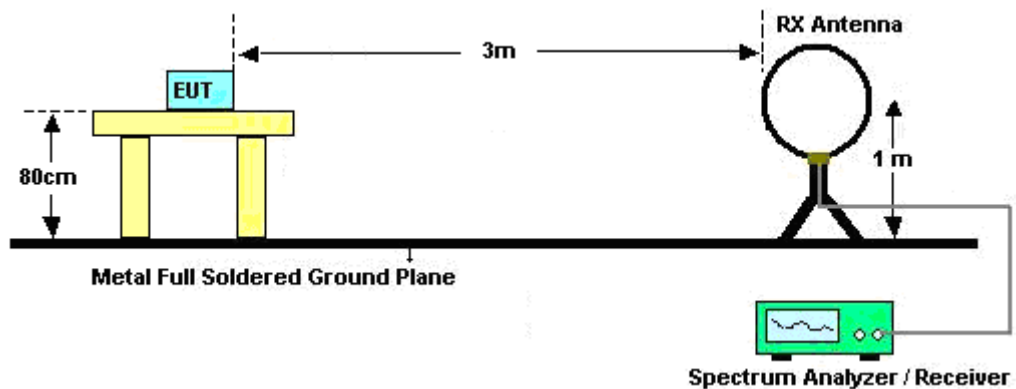
against QP limit line, the position is marked as “-”.

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.

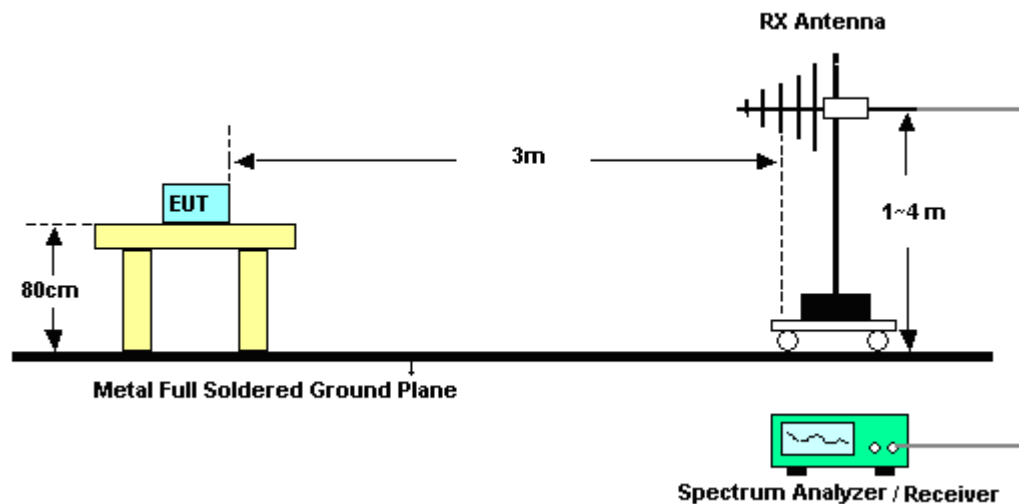
When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-”.

3.4.4 Test Setup

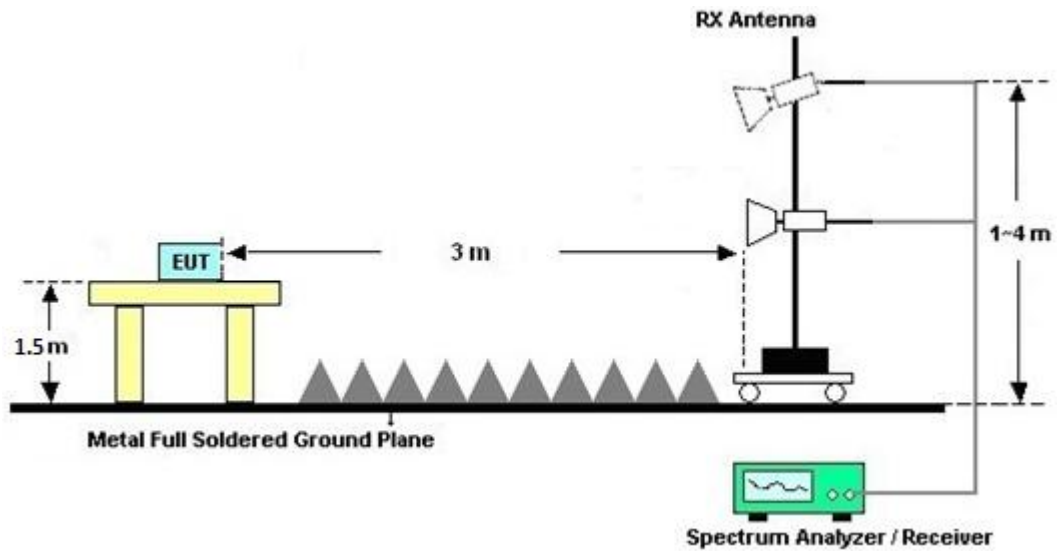
For radiated emissions below 30MHz



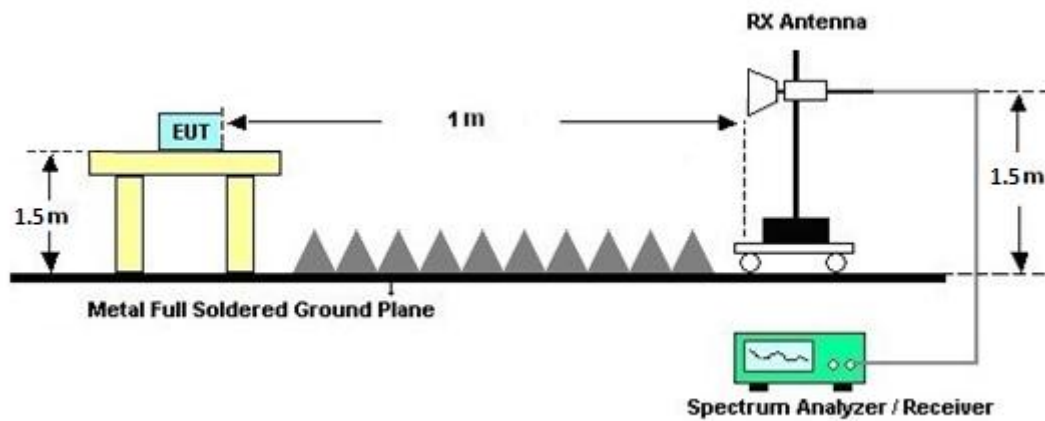
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz





3.4.5 Test Results of Radiated 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.

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix C.

3.4.7 Duty Cycle

Please refer to Appendix D.

3.4.8 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix C.

3.5 AC Conducted Emission Measurement

3.5.1 Limit 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.

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	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.

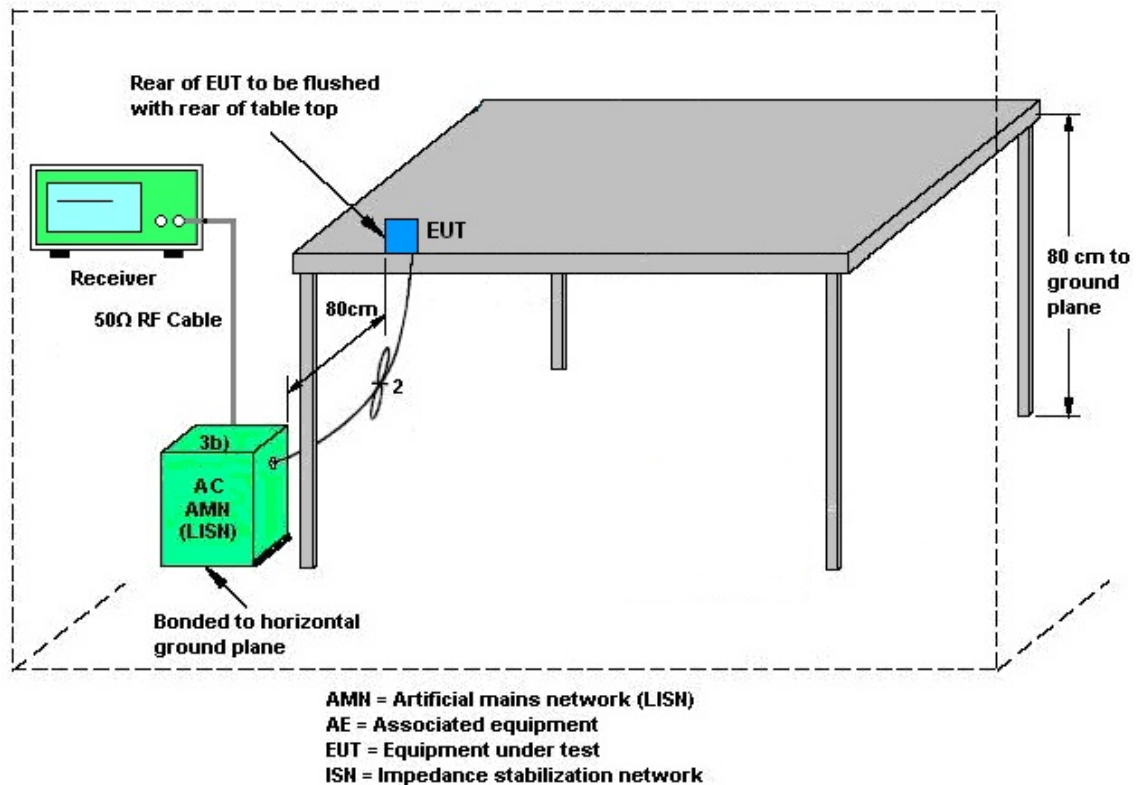
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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 with Maximum Hold Mode.

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Antenna Requirements

3.6.1 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.

3.6.2 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
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 04, 2025	Aug. 25, 2026~ Sep. 16, 2026	Nov. 03, 2026	Conducted (TH05-HY)
USB RF Power Sensor	DARE	RPR3006W	17I00015SNO 37 (NO:167)	10MHz~6GHz	Nov. 14, 2025	Aug. 25, 2026~ Sep. 16, 2026	Nov. 13, 2026	Conducted (TH05-HY)
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV3044	101466	10HZ~44GHZ	Nov. 12, 2025	Aug. 25, 2026~ Sep. 16, 2026	Nov. 11, 2026	Conducted (TH05-HY)
Switch Control Mainframe	EM Electronics	EMSW18SE	SW191204 (BOX8)	N/A	Dec. 29, 2025	Aug. 25, 2026~ Sep. 16, 2026	Dec. 28, 2026	Conducted (TH05-HY)
Software	Sporton	BTWiFi_Final version_24051 3	N/A	Conducted Other Test Item	N/A	Aug. 25, 2026~ Sep. 16, 2026	N/A	Conducted (TH05-HY)
AC Power Source	ALL	APC-130	N/A	N/A	N/A	Sep. 17, 2026	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	N/A	Dec. 16, 2025	Sep. 17, 2026	Dec. 15, 2026	Conduction (CO05-HY)
Hygrometer	TECPEL	DTM-303A	TP210031	N/A	Jun. 15, 2026	Sep. 17, 2026	Jun. 14, 2027	Conduction (CO05-HY)
Two-Line V-Network	Rohde & Schwarz	ENV 216 +EMCI-EXP-U S-US S	100080+N-02 1	N/A	Apr. 22, 2026	Sep. 17, 2026	Apr. 21, 2027	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Sep. 17, 2026	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Aug. 07, 2026	Sep. 17, 2026	Aug. 06, 2027	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	MQT2408250 1	N/A	Oct. 14, 2025	Sep. 17, 2026	Oct. 13, 2026	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9kHz~30MHz	Dec. 11, 2025	Aug. 18, 2026~ Sep. 17, 2026	Dec.10, 2026	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	1230	18GHz~40GHz	Nov. 05, 2026	Aug. 18, 2026~ Sep. 17, 2026	Nov.04, 2026	Radiation (03CH16-HY)
Spectrum Analyzer	Keysight	N9010B	MY60241055	10Hz~44GHz	Nov. 18, 2025	Aug. 18, 2026~ Sep. 17, 2026	Nov.17, 2026	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY57290111	3Hz~26.5GHz	Nov. 26, 2025	Aug. 18, 2026~ Sep. 17, 2026	Nov.25, 2026	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N- 06	47020 & 06	30MHz to 1GHz	Oct. 04, 2025	Aug. 18, 2026~ Sep. 17, 2026	Oct. 03, 2026	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1GHz~18GHz	Mar. 26, 2026	Aug. 18, 2026~ Sep. 17, 2026	Mar. 25, 2027	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1GHz	Jun. 29, 2026	Aug. 18, 2026~ Sep. 17, 2026	Jun. 28, 2027	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Sep. 12, 2025	Aug. 18, 2026~ Sep. 17, 2026	Sep.11, 2026	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Sep. 11, 2026	Aug. 18, 2026~ Sep. 17, 2026	Sep.10, 2027	Radiation (03CH16-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Dec. 22, 2025	Aug. 18, 2026~ Sep. 17, 2026	Dec. 21,2026	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun 08, 2026	Aug. 18, 2026~ Sep. 17, 2026	Jun 07, 2027	Radiation (03CH16-HY)
Filter	Wainwright	WLK4-1000-15 30-8000-40SS	SN17	1.53GHz Low Pass Filter	Jan. 13, 2026	Aug. 18, 2026~ Sep. 17, 2026	Jan. 12, 2027	Radiation (03CH16-HY)
Filter	Wainwright	WHKX12-2700- 3000-18000-60	SN3	3GHz High Pass Filter	Jun. 25, 2026	Aug. 18, 2026~ Sep. 17, 2026	Jun. 24, 2027	Radiation (03CH16-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
		ST						
Filter	Wainwright	WHKX8-5872.5 -6750-18000-4 0ST	SN27	6.75GHz High Pass Filter	Dec. 22, 2025	Aug. 18, 2026~ Sep. 17, 2026	Dec. 21,2026	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	May 13, 2026	Aug. 18, 2026~ Sep. 17, 2026	May 12, 2027	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102/SUCOFLE X 104	EC-A5-300-57 57,805935/4,8 02434/4	30MHz~18GHz	Aug. 05, 2026	Aug. 18, 2026~ Sep. 17, 2026	Aug.04 ,2027	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,8040 12/2	18-40GHz	Dec. 18, 2025	Aug. 18, 2026~ Sep. 17, 2026	Dec.17 ,2026	Radiation (03CH16-HY)
Software	Audix	E3 230621 V9	RK-002393	N/A	N/A	Aug. 18, 2026~ Sep. 17, 2026	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Aug. 18, 2026~ Sep. 17, 2026	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Aug. 18, 2026~ Sep. 17, 2026	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Aug. 18, 2026~ Sep. 17, 2026	N/A	Radiation (03CH16-HY)



5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.70 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.50 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.60 dB
---	---------

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% ($U = 2Uc(y)$)	5.20 dB
---	---------

A1. Conducted Test Results

Test Engineer:	Hank Hsu	Temperature:	21~25	°C
Test Date:	2026/8/25~9/16	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

802.15.4ab single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 5	Ant 2	Ant 5	Ant 2	Ant 5	Ant 2		
802.15.4ab	250K	1	1	5728.75	2.06	-	3.14	-	1.84	-	0.5	Pass
802.15.4ab	250K	1	25	5788.75	2.07	-	3.20	-	1.82	-	0.5	Pass
802.15.4ab	250K	1	49	5848.75	2.06	-	3.17	-	1.85	-	0.5	Pass

TEST RESULTS DATA
Average Power Table

802.15.4ab single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 5	Ant 2	SUM	Ant 5	Ant 2	Ant 5	Ant 2	
802.15.4ab	250K	1	1	5728.75	17.21	-		30.00	-	-6.70	-	Pass
802.15.4ab	250K	1	25	5788.75	17.53	-		30.00	-	-6.70	-	Pass
802.15.4ab	250K	1	49	5848.75	18.33	-		30.00	-	-6.70	-	Pass

Power Setting	
Ant 5	Ant 2
11	-
11	-
11	-

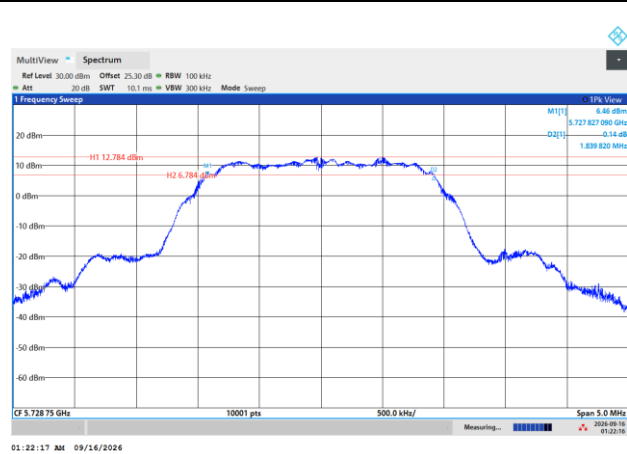
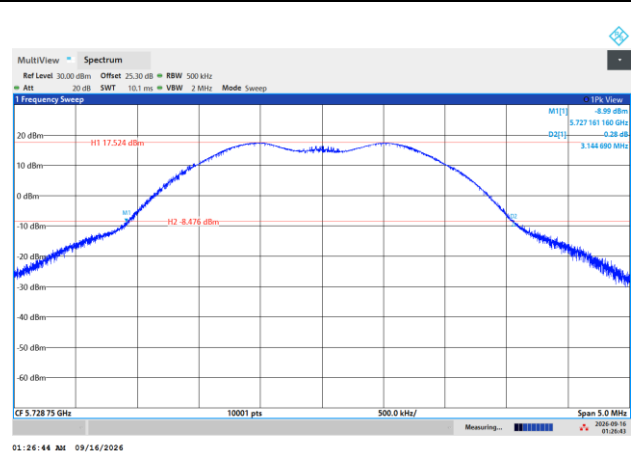
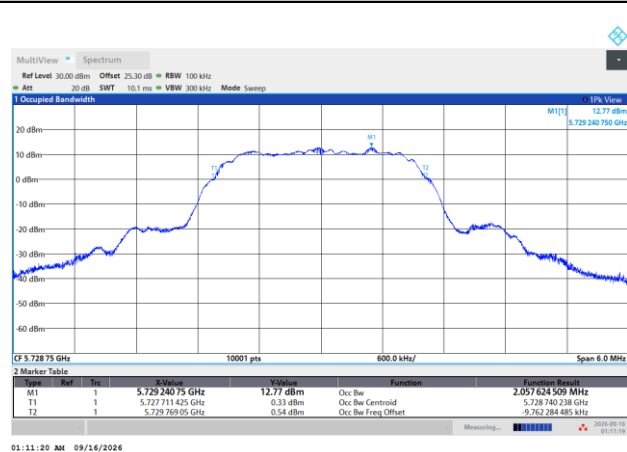
TEST RESULTS DATA
Power Spectral Density

802.15.4ab single antenna														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 5	Ant 2	Ant 5	Ant 2	SUM	Ant 5	Ant 2	Ant 5	Ant 2	
802.15.4ab	250K	1	1	5728.75	0.65		12.44	-		30.00	-	-6.70	-	Pass
802.15.4ab	250K	1	25	5788.75	0.65		12.84	-		30.00	-	-6.70	-	Pass
802.15.4ab	250K	1	49	5848.75	0.65		13.46	-		30.00	-	-6.70	-	Pass

**Test Result of 6dB and 26dB and 99% Occupied Bandwidth**

SISO <Ant. 5>

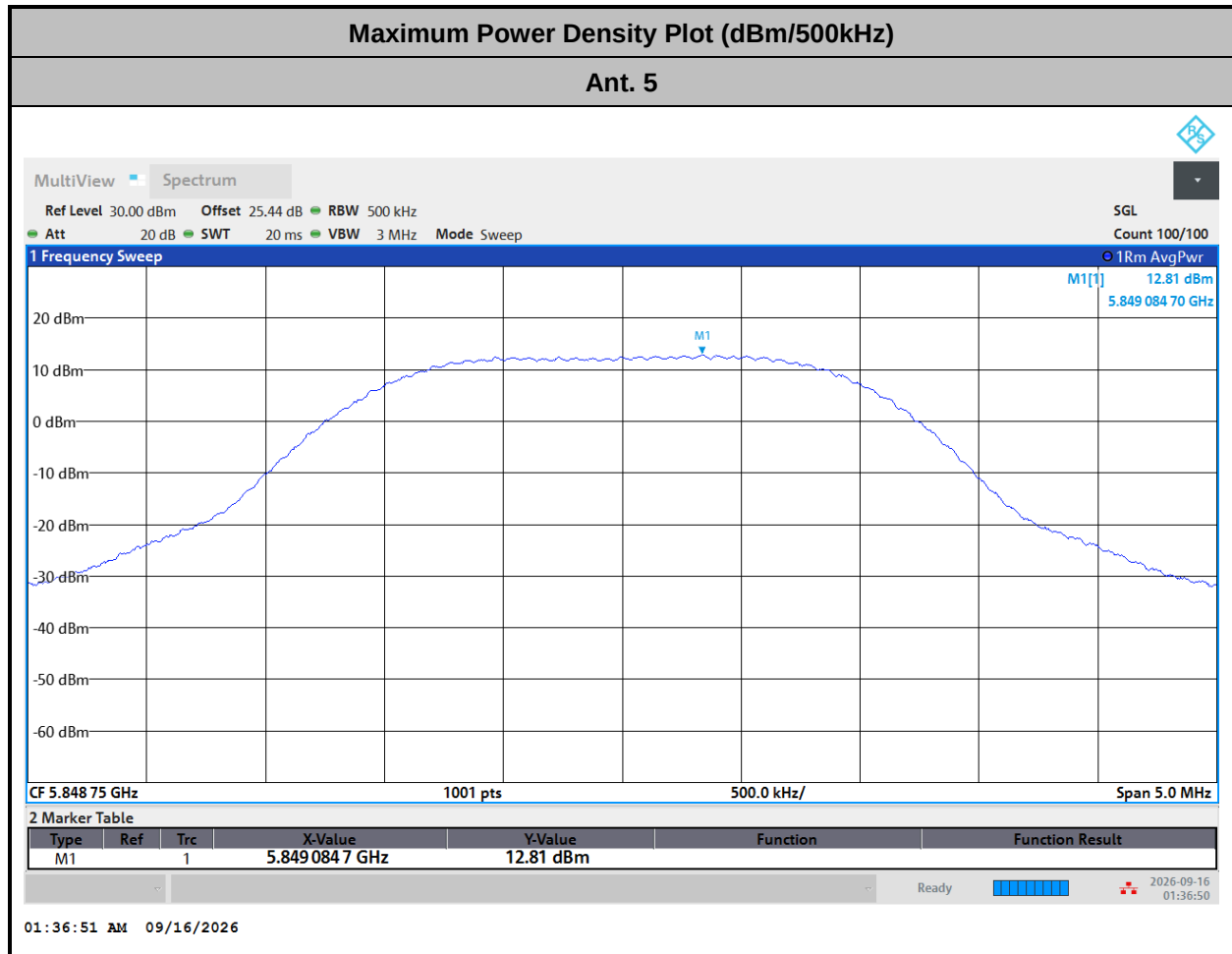
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6dB Bandwidth**26dB Bandwidth****99% Occupied Bandwidth**

N/A

**Test Result of Power Spectral Density**

<802.15.4ab>





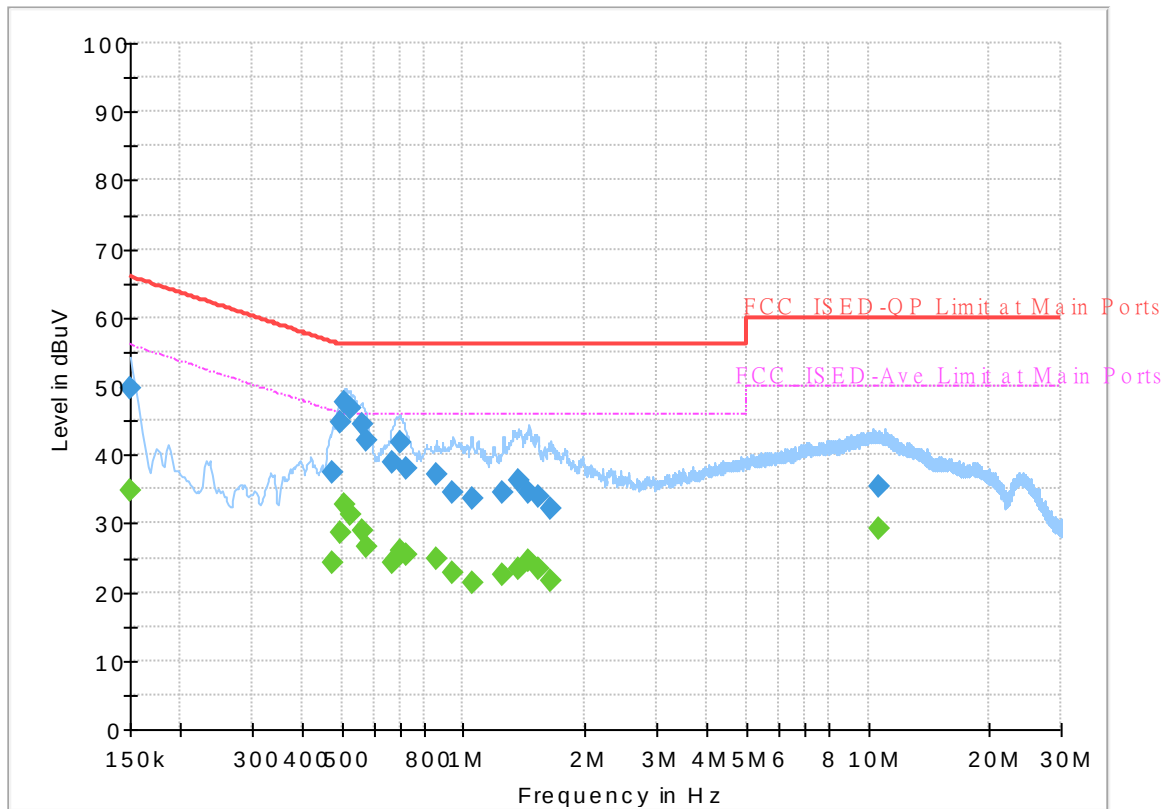
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Brian Chen	Temperature :	23 ~ 26°C
		Relative Humidity :	45 ~ 55%

EUT Information

Report NO : 672113
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



Final Result

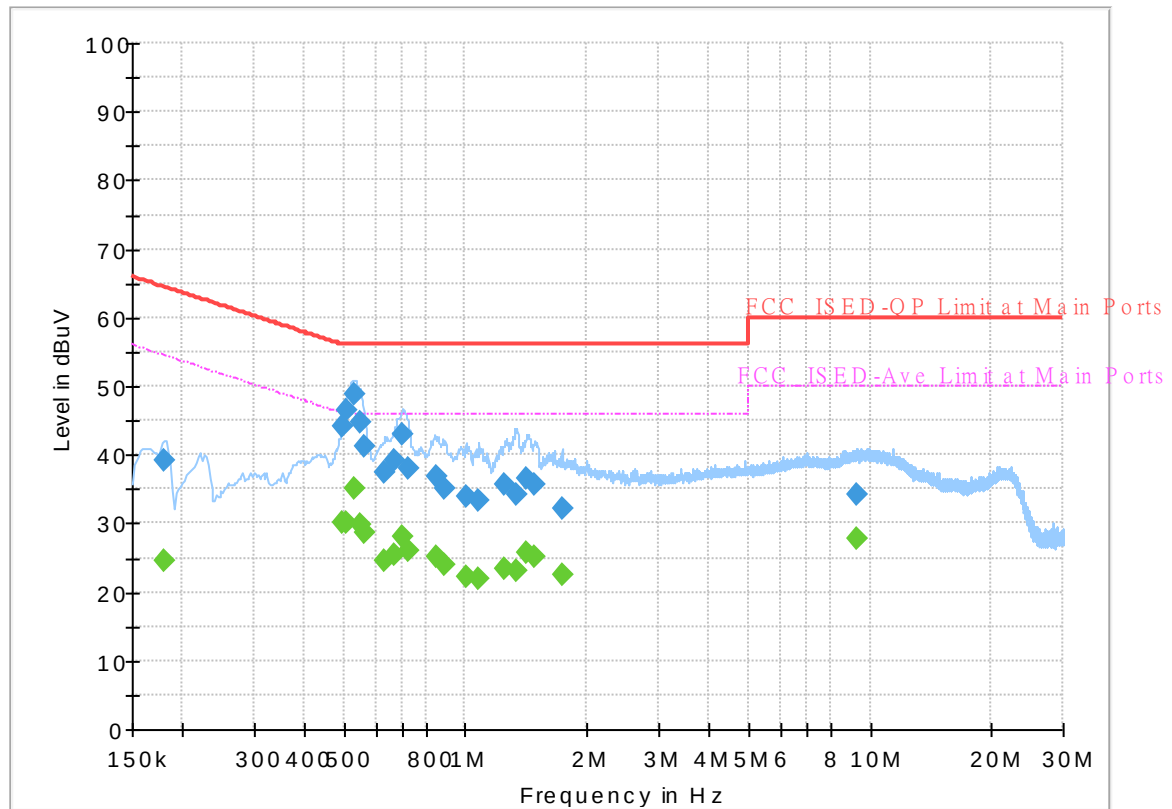
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	34.75	56.00	21.25	L1	OFF	19.9
0.150000	49.57	---	66.00	16.43	L1	OFF	19.9
0.471750	---	24.41	46.48	22.07	L1	OFF	19.9
0.471750	37.33	---	56.48	19.15	L1	OFF	19.9
0.494250	---	28.52	46.10	17.58	L1	OFF	19.9
0.494250	44.62	---	56.10	11.48	L1	OFF	19.9
0.510000	---	32.77	46.00	13.23	L1	OFF	19.9
0.510000	47.68	---	56.00	8.32	L1	OFF	19.9
0.528000	---	31.43	46.00	14.57	L1	OFF	19.9
0.528000	46.71	---	56.00	9.29	L1	OFF	19.9
0.559500	---	28.98	46.00	17.02	L1	OFF	19.9
0.559500	44.32	---	56.00	11.68	L1	OFF	19.9
0.577500	---	26.62	46.00	19.38	L1	OFF	19.9
0.577500	42.13	---	56.00	13.87	L1	OFF	19.9
0.667500	---	24.30	46.00	21.70	L1	OFF	19.9
0.667500	38.93	---	56.00	17.07	L1	OFF	19.9
0.699000	---	26.05	46.00	19.95	L1	OFF	19.9
0.699000	41.77	---	56.00	14.23	L1	OFF	19.9
0.726000	---	25.35	46.00	20.65	L1	OFF	19.9
0.726000	37.93	---	56.00	18.07	L1	OFF	19.9
0.856500	---	24.72	46.00	21.28	L1	OFF	20.0

0.856500	37.15	---	56.00	18.85	L1	OFF	20.0
0.944250	---	22.91	46.00	23.09	L1	OFF	20.0
0.944250	34.53	---	56.00	21.47	L1	OFF	20.0
1.050000	---	21.46	46.00	24.54	L1	OFF	20.0
1.050000	33.64	---	56.00	22.36	L1	OFF	20.0
1.252500	---	22.53	46.00	23.47	L1	OFF	20.0
1.252500	34.39	---	56.00	21.61	L1	OFF	20.0
1.360500	---	23.45	46.00	22.55	L1	OFF	20.0
1.360500	36.25	---	56.00	19.75	L1	OFF	20.0
1.455000	---	24.54	46.00	21.46	L1	OFF	20.0
1.455000	34.57	---	56.00	21.43	L1	OFF	20.0
1.527000	---	23.52	46.00	22.48	L1	OFF	20.0
1.527000	34.06	---	56.00	21.94	L1	OFF	20.0
1.648500	---	21.74	46.00	24.26	L1	OFF	20.0
1.648500	32.16	---	56.00	23.84	L1	OFF	20.0
10.587750	---	29.12	50.00	20.88	L1	OFF	20.5
10.587750	35.48	---	60.00	24.52	L1	OFF	20.5

EUT Information

Report NO : 672113
 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)
0.179250	---	24.57	54.52	29.95	N	OFF	19.9
0.179250	39.24	---	64.52	25.28	N	OFF	19.9
0.496500	---	30.20	46.06	15.86	N	OFF	19.9
0.496500	44.15	---	56.06	11.91	N	OFF	19.9
0.507750	---	30.15	46.00	15.85	N	OFF	19.9
0.507750	46.44	---	56.00	9.56	N	OFF	19.9
0.530250	---	35.12	46.00	10.88	N	OFF	19.9
0.530250	48.75	---	56.00	7.25	N	OFF	19.9
0.548250	---	29.85	46.00	16.15	N	OFF	19.9
0.548250	44.66	---	56.00	11.34	N	OFF	19.9
0.561750	---	28.64	46.00	17.36	N	OFF	19.9
0.561750	41.25	---	56.00	14.75	N	OFF	19.9
0.631500	---	24.42	46.00	21.58	N	OFF	19.9
0.631500	37.29	---	56.00	18.71	N	OFF	19.9
0.667500	---	25.42	46.00	20.58	N	OFF	19.9
0.667500	39.15	---	56.00	16.85	N	OFF	19.9
0.701250	---	27.96	46.00	18.04	N	OFF	19.9
0.701250	43.09	---	56.00	12.91	N	OFF	19.9
0.726000	---	26.13	46.00	19.87	N	OFF	19.9
0.726000	37.93	---	56.00	18.07	N	OFF	19.9
0.845250	---	25.22	46.00	20.78	N	OFF	20.0

0.845250	36.90	---	56.00	19.10	N	OFF	20.0
0.890250	---	23.99	46.00	22.01	N	OFF	20.0
0.890250	35.06	---	56.00	20.94	N	OFF	20.0
1.000500	---	22.11	46.00	23.89	N	OFF	20.0
1.000500	33.85	---	56.00	22.15	N	OFF	20.0
1.079250	---	21.82	46.00	24.18	N	OFF	20.0
1.079250	33.42	---	56.00	22.58	N	OFF	20.0
1.254750	---	23.50	46.00	22.50	N	OFF	20.0
1.254750	35.77	---	56.00	20.23	N	OFF	20.0
1.342500	---	23.14	46.00	22.86	N	OFF	20.0
1.342500	34.18	---	56.00	21.82	N	OFF	20.0
1.414500	---	25.75	46.00	20.25	N	OFF	20.0
1.414500	36.60	---	56.00	19.40	N	OFF	20.0
1.486500	---	25.00	46.00	21.00	N	OFF	20.0
1.486500	35.79	---	56.00	20.21	N	OFF	20.0
1.729500	---	22.52	46.00	23.48	N	OFF	20.0
1.729500	32.06	---	56.00	23.94	N	OFF	20.0
9.264750	---	27.74	50.00	22.26	N	OFF	20.6
9.264750	34.08	---	60.00	25.92	N	OFF	20.6

Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	Jerry Lan、 Gary Guo、 Steven Wu	Temperature :	22.8~25.2°C
		Relative Humidity :	48.2~54.3%

Note symbol

-L	Low channel location
-R	High channel location

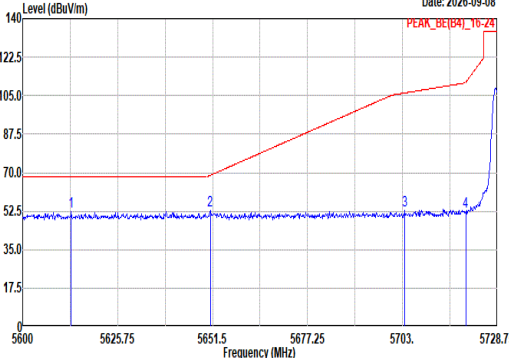
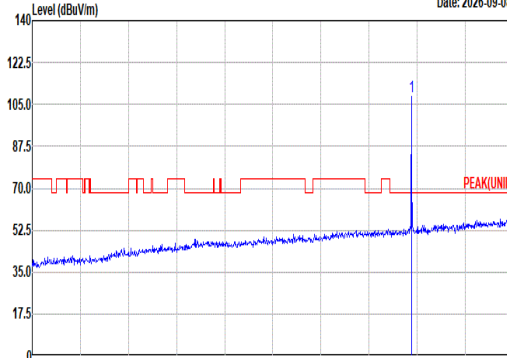
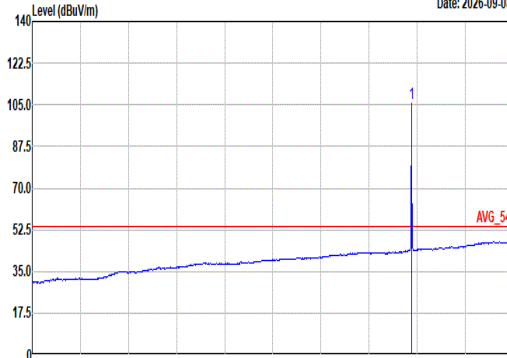
C.1. Radiated Spurious Emission Test Modes

Mode	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	5.72875 ~ 5.84875	5	802.15.4ab	1	5728.75	6Mbps	-	-
Mode 2	5.72875 ~ 5.84875	5	802.15.4ab	25	5788.75	6Mbps	-	-
Mode 3	5.72875 ~ 5.84875	5	802.15.4ab	49	5848.75	6Mbps	-	-
Mode 4	5.72875 ~ 5.84875	5	802.15.4ab	49	5848.75	6Mbps	-	LF
Mode 5	5.72875 ~ 5.84875	5	802.15.4ab	49	5848.75	6Mbps	-	SHF

C.2.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	802.15.4ab	1	5604.64	53.04	68.20	-15.16	V	Peak	Pass	-	Band Edge
1	802.15.4ab	1	17186.25	48.41	68.20	-19.79	V	Peak	Pass	-	Harmonic
2	802.15.4ab	25	5946.29	53.31	68.20	-14.89	H	Peak	Pass	-	Band Edge
2	802.15.4ab	25	17366.25	48.26	68.20	-19.94	V	Peak	Pass	-	Harmonic
3	802.15.4ab	49	5926.41	53.91	68.20	-14.29	H	Peak	Pass	-	Band Edge
3	802.15.4ab	49	17546.25	50.83	68.20	-17.37	V	Peak	Pass	-	Harmonic
4	LF	49	97.90	35.45	43.50	-8.05	H	Peak	Pass	-	LF
5	SHF	49	39450.00	46.68	74.00	-27.32	H	Peak	Pass	-	SHF



Mode	1																																																																																																																																										
	Band Edge																																																																																																																																										
	5.72875 ~ 5.84875_802.15.4ab_CH1_5728.75MHz																																																																																																																																										
ANT	5																																																																																																																																										
Pol.	Horizontal						Fundamental																																																																																																																																				
Peak	Level (dBuV/m) Date: 2026-09-08 PEAK_BE(B4)_16-24  Site : 03CH16-HY Condition: PEAK_BE(B4)_16-24 3m 91200-1522_260326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Factor</th><th>Factor</th><th></th><th></th><th></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><tr><td>1</td><td>5613.13</td><td>52.20</td><td>68.20</td><td>-16.00</td><td>43.48</td><td>32.95</td><td>12.03</td><td>36.26</td><td>0.00</td><td>100</td><td>182</td><td>Peak</td></tr><tr><td>2</td><td>5650.86</td><td>52.99</td><td>68.84</td><td>-15.85</td><td>44.08</td><td>33.11</td><td>12.07</td><td>36.27</td><td>0.00</td><td>100</td><td>182</td><td>Peak</td></tr><tr><td>3</td><td>5703.64</td><td>52.85</td><td>106.22</td><td>-53.37</td><td>43.60</td><td>33.41</td><td>12.12</td><td>36.28</td><td>0.00</td><td>100</td><td>182</td><td>Peak</td></tr><tr><td>4</td><td>5720.12</td><td>52.42</td><td>111.08</td><td>-58.66</td><td>43.14</td><td>33.44</td><td>12.13</td><td>36.29</td><td>0.00</td><td>100</td><td>182</td><td>Peak</td></tr></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line Margin	Level Factor	Loss Factor	Factor	Factor					MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5613.13	52.20	68.20	-16.00	43.48	32.95	12.03	36.26	0.00	100	182	Peak	2	5650.86	52.99	68.84	-15.85	44.08	33.11	12.07	36.27	0.00	100	182	Peak	3	5703.64	52.85	106.22	-53.37	43.60	33.41	12.12	36.28	0.00	100	182	Peak	4	5720.12	52.42	111.08	-58.66	43.14	33.44	12.13	36.29	0.00	100	182	Peak	Level (dBuV/m) Date: 2026-09-08 PEAK(UNLI)  Site : 03CH16-HY Condition: PEAK(UNLI) 3m 91200-1522_260326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Factor</th><th>Factor</th><th></th><th></th><th></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><tr><td>1</td><td>5728.75</td><td>108.51</td><td>-----</td><td>-----</td><td>99.20</td><td>33.46</td><td>12.14</td><td>36.29</td><td>0.00</td><td>100</td><td>182</td><td>Peak</td></tr></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line Margin	Level Factor	Loss Factor	Factor	Factor					MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5728.75	108.51	-----	-----	99.20	33.46	12.14	36.29	0.00	100	182	Peak
		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																	
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	5.72875 ~ 5.84875_802.15.4ab_CH1_5728.75MHz	
ANT	5	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	Level (dBuV/m) Date: 2026-09-08 Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_260326 HORIZONTAL	Level (dBuV/m) Date: 2026-09-08 Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_260326 VERTICAL



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MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																																																																																						
1 5788.75	106.58	-----	-----	96.95	33.73	12.20	36.30	0.00	100	134 Peak																																																																																																																						
Avg	Blank						Level (dBuV/m) Date: 2026-09-08 Site : 03CH16-HY Condition: AVG_54 3m 91200-1522_260326 HORIZONTAL : RBW:1000.000kHz VBW:1.200kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><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>dB</th><th>cm</th><th>deg</th></tr><tr><td>1 5788.75</td><td>103.64</td><td>-----</td><td>-----</td><td>94.01</td><td>33.73</td><td>12.20</td><td>36.30</td><td>0.00</td><td>100</td><td>134 Average</td></tr></table>						Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line Margin	Level Factor	Loss Factor	Factor	Factor				MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1 5788.75	103.64	-----	-----	94.01	33.73	12.20	36.30	0.00	100	134 Average																																																																											
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Mode	2																																																																																														
	Band Edge - R																																																																																														
	5.72875 ~ 5.84875_802.15.4ab _CH25_5788.75MHz																																																																																														
ANT	5																																																																																														
Pol.	Horizontal						Fundamental																																																																																								
Peak	Level (dBuV/m) Date: 2026-09-08 Site : 03CH16-HY Condition: PEAK_BE(B4)_16-24 3m 91200-1522_260326 HORIZONTAL : RBW:1000.000kHz VBN:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</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><tr><td>1</td><td>5854.54</td><td>53.37</td><td>111.85</td><td>-58.48</td><td>43.45</td><td>33.93</td><td>12.31</td><td>36.32</td><td>0.00</td><td>100</td><td>134</td><td>Peak</td></tr><tr><td>2</td><td>5874.86</td><td>52.19</td><td>105.24</td><td>-53.05</td><td>42.13</td><td>34.05</td><td>12.34</td><td>36.33</td><td>0.00</td><td>100</td><td>134</td><td>Peak</td></tr><tr><td>3</td><td>5924.36</td><td>51.92</td><td>68.67</td><td>-16.75</td><td>41.68</td><td>34.15</td><td>12.43</td><td>36.34</td><td>0.00</td><td>100</td><td>134</td><td>Peak</td></tr><tr><td>4</td><td>5946.29</td><td>53.31</td><td>68.20</td><td>-14.89</td><td>43.08</td><td>34.11</td><td>12.47</td><td>36.35</td><td>0.00</td><td>100</td><td>134</td><td>Peak</td></tr></table>							Limit	Read	Ant	Cable	Preamp	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	5854.54	53.37	111.85	-58.48	43.45	33.93	12.31	36.32	0.00	100	134	Peak	2	5874.86	52.19	105.24	-53.05	42.13	34.05	12.34	36.33	0.00	100	134	Peak	3	5924.36	51.92	68.67	-16.75	41.68	34.15	12.43	36.34	0.00	100	134	Peak	4	5946.29	53.31	68.20	-14.89	43.08	34.11	12.47	36.35	0.00	100	134	Peak	Blank					
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																							
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3	5924.36	51.92	68.67	-16.75	41.68	34.15	12.43	36.34	0.00	100	134	Peak																																																																																			
4	5946.29	53.31	68.20	-14.89	43.08	34.11	12.47	36.35	0.00	100	134	Peak																																																																																			



Mode	2																																																																																																																															
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Peak	Level (dBuV/m) Date: 2026-09-08 Site : 03CH16-HY Condition: PEAK_BE(B4)_16-24 3m 91200-1522_260326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Loss Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><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>dB</th><th>cm</th><th>deg</th></tr><tr><td>1 5627.56</td><td>52.18</td><td>68.20</td><td>-16.02</td><td>43.38</td><td>33.01</td><td>12.05</td><td>36.26</td><td>0.00</td><td>214</td><td>335 Peak</td></tr><tr><td>2 5650.21</td><td>51.15</td><td>68.35</td><td>-17.20</td><td>42.25</td><td>33.10</td><td>12.07</td><td>36.27</td><td>0.00</td><td>214</td><td>335 Peak</td></tr><tr><td>3 5700.23</td><td>52.64</td><td>105.26</td><td>-52.62</td><td>43.40</td><td>33.40</td><td>12.12</td><td>36.28</td><td>0.00</td><td>214</td><td>335 Peak</td></tr><tr><td>4 5720.05</td><td>50.89</td><td>110.90</td><td>-60.01</td><td>41.61</td><td>33.44</td><td>12.13</td><td>36.29</td><td>0.00</td><td>214</td><td>335 Peak</td></tr></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line Margin	Level Factor	Loss Factor	Loss Factor	Factor				MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1 5627.56	52.18	68.20	-16.02	43.38	33.01	12.05	36.26	0.00	214	335 Peak	2 5650.21	51.15	68.35	-17.20	42.25	33.10	12.07	36.27	0.00	214	335 Peak	3 5700.23	52.64	105.26	-52.62	43.40	33.40	12.12	36.28	0.00	214	335 Peak	4 5720.05	50.89	110.90	-60.01	41.61	33.44	12.13	36.29	0.00	214	335 Peak	Level (dBuV/m) Date: 2026-09-08 Site : 03CH16-HY Condition: PEAK(UNLI) 3m 91200-1522_260326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Loss Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><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>dB</th><th>cm</th><th>deg</th></tr><tr><td>1 5788.75</td><td>105.07</td><td>-----</td><td>-----</td><td>95.44</td><td>33.73</td><td>12.20</td><td>36.30</td><td>0.00</td><td>214</td><td>335 Peak</td></tr></table>						Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line Margin	Level Factor	Loss Factor	Loss Factor	Factor				MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1 5788.75	105.07	-----	-----	95.44	33.73	12.20	36.30	0.00	214	335 Peak
		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																						
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1 5788.75	105.07	-----	-----	95.44	33.73	12.20	36.30	0.00	214	335 Peak																																																																																																																						
Avg	Blank						Level (dBuV/m) Date: 2026-09-08 Site : 03CH16-HY Condition: AVG_54 3m 91200-1522_260326 VERTICAL : RBW:1000.000kHz VBW:1.200kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Loss Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><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>dB</th><th>cm</th><th>deg</th></tr><tr><td>1 5788.75</td><td>102.07</td><td>-----</td><td>-----</td><td>92.44</td><td>33.73</td><td>12.20</td><td>36.30</td><td>0.00</td><td>214</td><td>335 Average</td></tr></table>						Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line Margin	Level Factor	Loss Factor	Loss Factor	Factor				MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1 5788.75	102.07	-----	-----	92.44	33.73	12.20	36.30	0.00	214	335 Average																																																																											
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1 5788.75	102.07	-----	-----	92.44	33.73	12.20	36.30	0.00	214	335 Average																																																																																																																						

Mode

2

Band Edge - R

5.72875 ~ 5.84875_802.15.4ab_CH25_5788.75MHz

ANT

5

Pol.

Vertical

Fundamental

Peak

Level (dBuV/m)

140

122.5

105.0

87.5

70.0

52.5

35.0

17.5

0

5788.75

5821

5853.25

5885.5

5917.75

5950

Frequency (MHz)

1

2

3

4

PEAK_BE(B4)_16-24

Date: 2026-09-08

Site : 03CH16-HY

Condition: PEAK_BE(B4)_16-24 3m 91200-1522_260326 VERTICAL

RBW:1000.000kHz VBW:3000.000kHz SMT:Auto

	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark
Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor	
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm deg
1 5854.54	51.47	111.85	-60.38	41.55	33.93	12.31	36.32	0.00	214 335 Peak
2 5874.54	52.19	105.33	-53.14	42.13	34.05	12.34	36.33	0.00	214 335 Peak
3 5924.36	52.22	68.67	-16.45	41.98	34.15	12.43	36.34	0.00	214 335 Peak
4 5942.91	52.87	68.20	-15.33	42.64	34.11	12.47	36.35	0.00	214 335 Peak

Blank



Mode	2																																																																																																																									
	Harmonic																																																																																																																									
	5.72875 ~ 5.84875_802.15.4ab_CH25_5788.75MHz																																																																																																																									
ANT	5																																																																																																																									
Pol.	Horizontal						Vertical																																																																																																																			
Peak Avg	Level (dBuV/m) Date: 2026-09-08 Site : 03CH16-HY Condition: PEAK(UNII) 3m 91200-1522_260326 HORIZONTAL <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></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><tr><td>1</td><td>11577.50</td><td>47.92</td><td>74.00</td><td>-26.08</td><td>57.51</td><td>38.75</td><td>16.97</td><td>66.07</td><td>0.76</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>17366.25</td><td>48.12</td><td>68.20</td><td>-20.08</td><td>53.56</td><td>38.73</td><td>20.94</td><td>65.92</td><td>0.81</td><td>--</td><td>Peak</td></tr></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	11577.50	47.92	74.00	-26.08	57.51	38.75	16.97	66.07	0.76	--	Peak	2	17366.25	48.12	68.20	-20.08	53.56	38.73	20.94	65.92	0.81	--	Peak	Level (dBuV/m) Date: 2026-09-08 Site : 03CH16-HY Condition: PEAK(UNII) 3m 91200-1522_260326 VERTICAL <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></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><tr><td>1</td><td>11577.50</td><td>47.88</td><td>74.00</td><td>-26.12</td><td>57.47</td><td>38.75</td><td>16.97</td><td>66.07</td><td>0.76</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>17366.25</td><td>48.26</td><td>68.20</td><td>-19.94</td><td>53.70</td><td>38.73</td><td>20.94</td><td>65.92</td><td>0.81</td><td>--</td><td>Peak</td></tr></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	11577.50	47.88	74.00	-26.12	57.47	38.75	16.97	66.07	0.76	--	Peak	2	17366.25	48.26	68.20	-19.94	53.70	38.73	20.94	65.92	0.81	--	Peak
		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																
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2	17366.25	48.26	68.20	-19.94	53.70	38.73	20.94	65.92	0.81	--	Peak																																																																																																															



Mode	2	
	Harmonic	
	5.72875 ~ 5.84875_802.15.4ab_CH25_5788.75MHz	
ANT	5	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	Level (dBuV/m) Date: 2026-09-08 Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_260326 HORIZONTAL	Level (dBuV/m) Date: 2026-09-08 Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_260326 VERTICAL

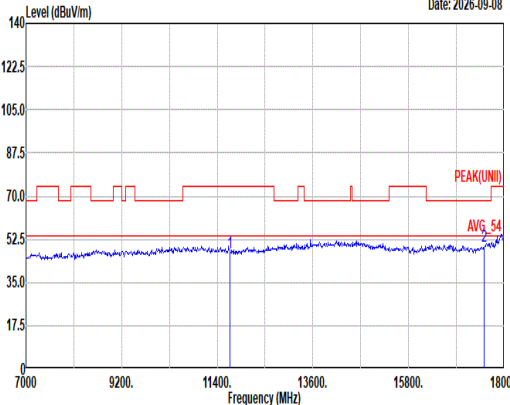
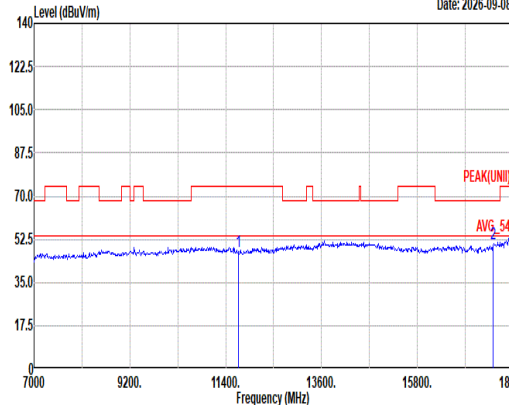


Mode	3																																																																																																																																					
	Band Edge																																																																																																																																					
	5.72875 ~ 5.84875_802.15.4ab_CH49_5848.75MHz																																																																																																																																					
ANT	5																																																																																																																																					
Pol.	Horizontal						Fundamental																																																																																																																															
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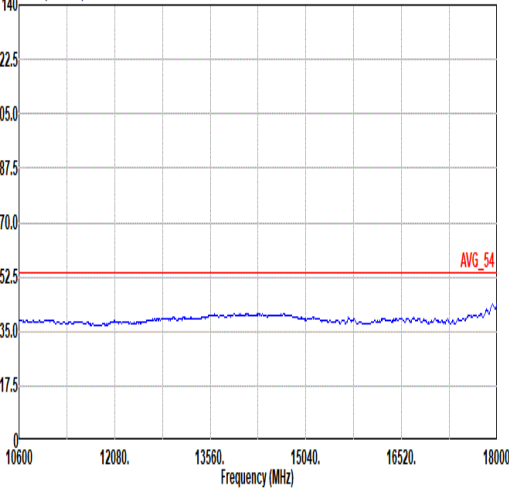
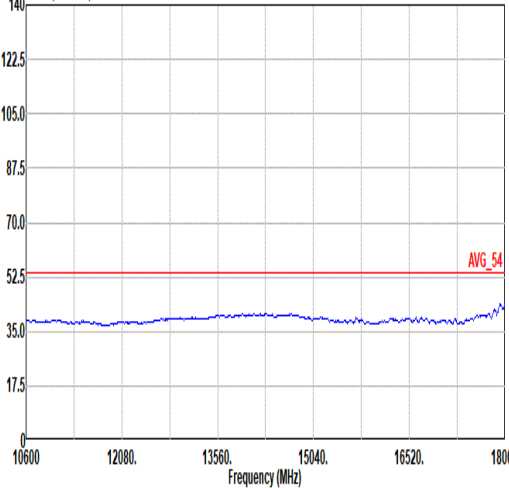


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Mode	3	
	Harmonic	
	5.72875 ~ 5.84875_802.15.4ab_CH49_5848.75MHz	
ANT	5	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	Level (dBuV/m) Date: 2026-09-08  Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_260326 HORIZONTAL	Level (dBuV/m) Date: 2026-09-08  Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_260326 VERTICAL



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Mode	5																																																					
	SHF																																																					
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Peak	Level (dBuV/m) Date: 2026-09-16 Site : 03CH16-HY Condition: PEAK(UNII) 1m BBH49170_1230_251105 HORIZONTAL <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></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><tr><td>1</td><td>39450.00</td><td>46.68</td><td>74.00</td><td>-27.32</td><td>59.30</td><td>45.00</td><td>8.27</td><td>56.35</td><td>-9.54</td><td>--</td><td>Peak</td></tr></table>												Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	39450.00	46.68	74.00	-27.32	59.30	45.00	8.27	56.35	-9.54	--	Peak
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Appendix D. Duty Cycle Plots

Ant	Band	Duty Cycle (%)	T(us)	1/T(kHz)	VBW Setting
5	802.15.4ab	85.75	903	1.11	1.2KHz

