



FCC CO-LOCATION RADIO TEST REPORT

FCC ID : PY7-30515Z
Equipment : GSM/WCDMA/LTE/NR Phone with BT, DTS/UNII
a/b/g/n/ac/ax/be, NFC, GNSS and WPT
Brand Name : Sony
Applicant : Sony Corporation
1-7-1 Konan, Minato-ku ,Tokyo, Japan 108-0075
Manufacturer : Sony Corporation
1-7-1 Konan, Minato-ku ,Tokyo, Japan 108-0075
Standard : FCC Part 15 Subpart C §15.247
FCC Part 15 Subpart E §15.407

The product was received on Nov. 27, 2025 and testing was performed from Dec. 20, 2025 to Jan. 15, 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, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issued Date
FR5N1805J	01	Initial issue of report	Mar. 10, 2026
FR5N1805J	02	Revise Applicable Standards and Test Mode This report is an updated version, replacing the report issued on Mar. 10, 2026.	Mar. 23, 2026

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.407(b) 15.247(d)	Unwanted Emissions	Pass	6.15 dB under the limit at 2389.95 MHz
3.2	15.203 15.407(a)	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: Aya Yang

1 General Description

1.1 Product Feature of Equipment Under Test

Product Specification subject to this standard	
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, and BDS/Galileo/GLONASS/GPS/NFC/WPT
Antenna Type	WWAN: LOOP&PIFA Antenna WLAN: LOOP&PIFA Antenna Bluetooth: LOOP&PIFA Antenna GPS / Glonass / BDS / Galileo: LOOP Antenna

Antenna information		
2400 MHz ~ 2483.5 MHz	Peak Gain (dBi)	<Ant. 5>: -2.1 <Ant. 8>: -3.7
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	<Ant. 5>: -4.1 <Ant. 8>: -6.1

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

EUT Information List			
HW Version	SW Version	S/N	Performed Test Item
A	0.198	MATA28000066	Radiated Spurious Emission

Specification of Accessory		
AC Adapter	Brand Name	Sony
	Model Name	XQZ-UC1
Earphone	Brand Name	Sony
	Model Name	MDR-EX15AP
USB Cable	Brand Name	Sony
	Model Name	XQZ-UB1

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

1.1.1 Antenna Directional Gain

<For CDD Mode>

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)ii)

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows:

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

G_{ANT} is set equal to the gain of the antenna having the highest gain.

For PSD measurements, the directional gain calculation.

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k / 20}$ if the k th antenna is being fed by spatial stream j , or zero if it is not;
 G_k is the gain in dBi of the k th antenna.

As minimum $N_{SS}=1$ is supported by EUT, the formula can be simplified as:

Directional gain = $10 \cdot \log[(10^{G_1 / 20} + 10^{G_2 / 20} + \dots + 10^{G_N / 20})^2 / N_{ANT}]$ dBi

Where $G_1, G_2, \dots, G_N$ denote single antenna gain.

The directional gain "DG" is calculated as following table.

	Chain Port 0	Chain Port 1	DG for Power	DG for PSD	Power Limit Reduction	PSD Limit Reduction
	Ant 5 (dBi)	Ant 8 (dBi)	(dBi)	(dBi)	(dB)	(dB)
2.4GHz	-2.10	-3.70	-2.10	0.15	0.00	0.00
5GHz Band I	-4.10	-6.10	-4.10	-2.03	0.00	0.00

Calculation example:

If a device has two antenna, $G_{ANT5} = -2.1$ dBi; $G_{ANT8} = -3.7$ dBi

Directional gain of power measurement = $\max(-2.1, -3.7) + 0 = -2.1$ dBi

Directional gain of PSD derived from formula which is

$$10 \times \log \left\{ \left[10^{(-2.10 \text{ dBi} / 20)} + 10^{(-3.70 \text{ dBi} / 20)} \right]^2 / 2 \right\}$$

$$= 0.15 \text{ dBi}$$

Power and PSD limit reduction = Composite gain – 6dBi, (min = 0)

1.2 Modification of EUT

No modifications are made to the EUT during all test items.

1.3 Testing Location

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

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.)

FCC designation No.: 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 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.
- ♦ FCC Part 15 Subpart E
- ♦ FCC Part 15 Subpart C §15.247
- ♦ 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: 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 accessory (Adapter or Earphone) and WPT Charging, 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

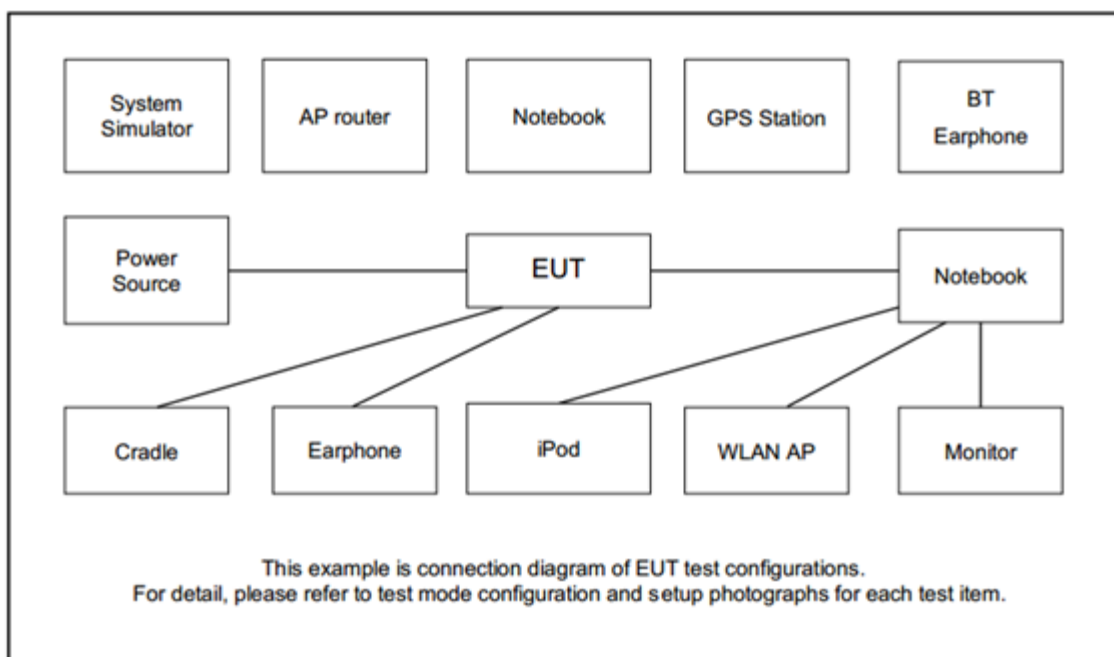
2400-2483.5 MHz	
802.11be EHT20	
Channel	Freq. (MHz)
01	2412

5150 MHz ~ 5250 MHz	
802.11be EHT160	
Channel	Freq. (MHz)
50	5250

2.2 Test Mode

For WLAN functionality supporting BT/BLE/WLAN 2.4G/WLAN 5G, radiated spurious emissions have been verified. Among them, the situation of WLAN 2.4G& WLAN 5G is worse case. Therefore, this report only includes the test results of WLAN 2.4G& WLAN 5G.the detailed Radiated test modes are shown in Appendix A

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.	Notebook	Dell	Latitude 3400	NA	N/A	Unshielded,1.2m

2.5 EUT Operation Test Setup

The RF test items, utility “QRTC v4.1” 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.

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 2400 MHz ~ 2483.5 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 5150 MHz ~ 5250 MHz>

- (1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27dBm/MHz.
- (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.

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

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

<For 2400 MHz ~ 2483.5 MHz>

1. The testing follows the ANSI C63.10 Section 11.12.1 Radiated emission measurements.
2. 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. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. 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.
4. The EUT is set 3 meters away from the receiving antenna, which is mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
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 “-”.
8. Use the following spectrum analyzer settings:
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Set RBW = 100 kHz for $f < 1$ GHz; $VBW \geq RBW$; Sweep = auto; Detector function = peak; Trace = max hold;
 - (3) Set RBW = 1 MHz, $VBW = 3$ MHz for $f \geq 1$ GHz for peak measurement.
For average measurement:
 - $VBW = 10$ 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.

**<For 5150 MHz ~ 5250 MHz>**

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

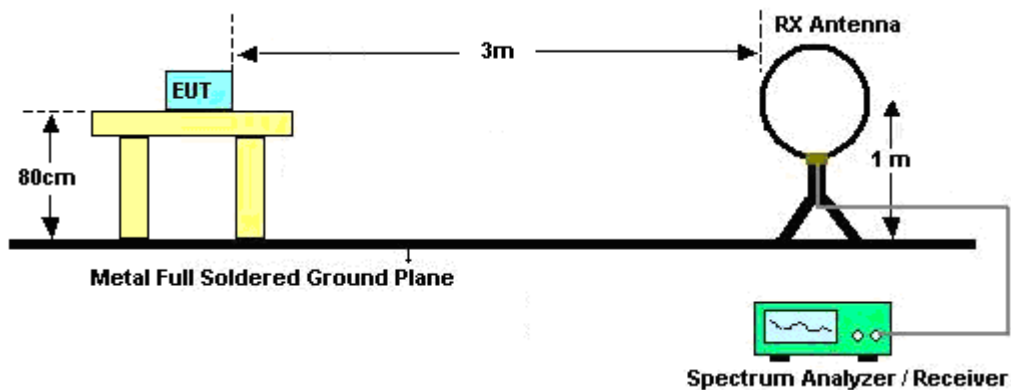
- RBW = 1 MHz
- VBW $\geq$ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

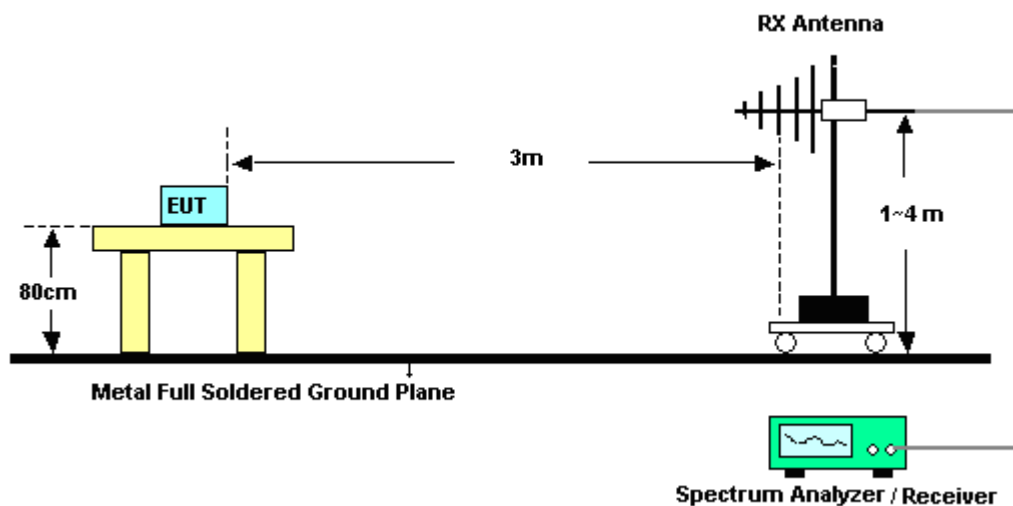
- RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq$ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. 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

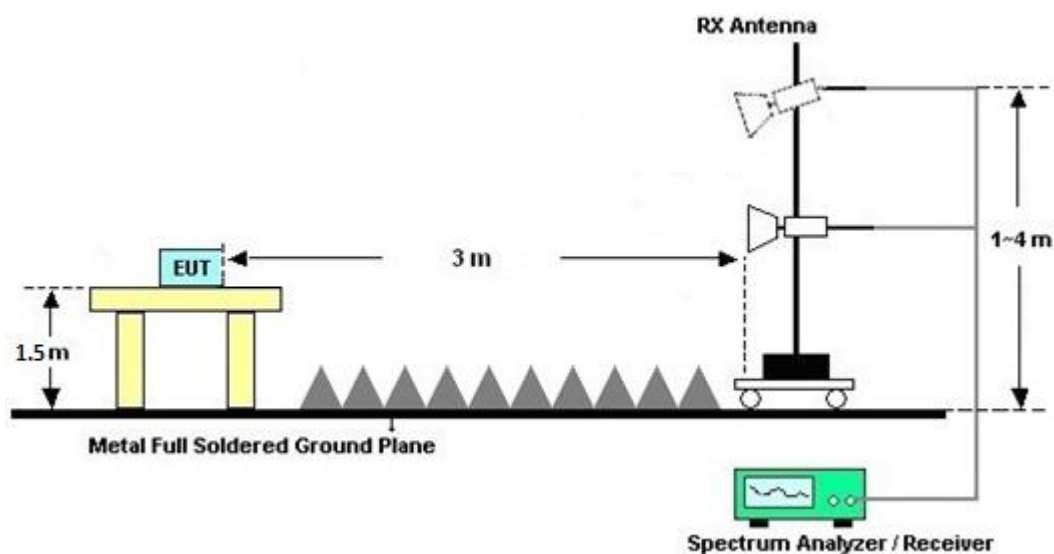
For radiated emissions below 30MHz



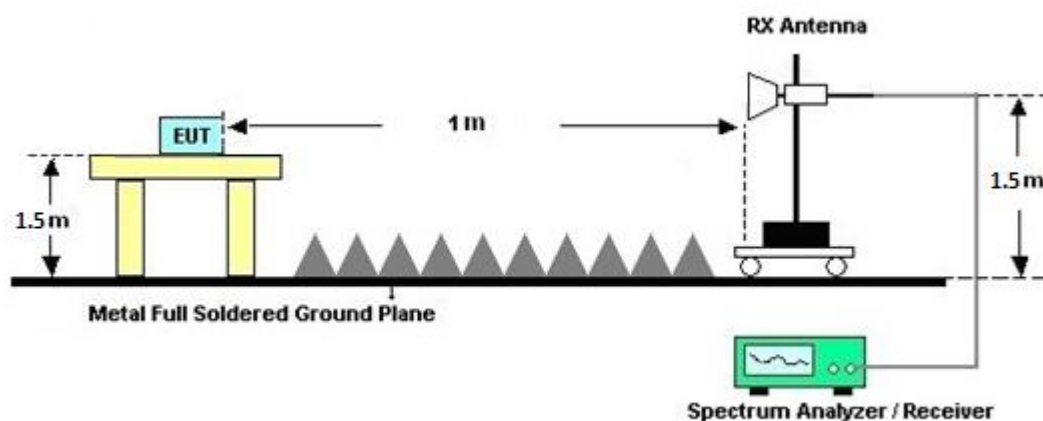
For radiated emissions from 30MHz to 1GHz



For radiated emissions from 1GHz to 18GHz



For radiated emissions 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

Professional installation.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna with 6dB pad	TESEQ & VGT	CBL 6111D & VFA_Z-04002-N-06	66925 & 24006	30MHz~1GHz	Feb. 19, 2025	Dec. 20, 2025 ~ Jan. 15, 2026	Feb. 18, 2026	Radiation (03CH11-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	100315	9 kHz~30 MHz	Mar. 06, 2025	Dec. 20, 2025 ~ Jan. 15, 2026	Mar. 05, 2026	Radiation (03CH11-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9 kHz~30 MHz	Dec. 11, 2025	Dec. 20, 2025 ~ Jan. 15, 2026	Dec. 10, 2026	Radiation (03CH11-HY)
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-01620	1GHz~18GHz	Sep. 15, 2025	Dec. 20, 2025 ~ Jan. 15, 2026	Sep. 14, 2026	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1224	18GHz~40GHz	Jul. 02, 2025	Dec. 20, 2025 ~ Jan. 15, 2026	Jul. 01, 2026	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 06, 2025	Dec. 20, 2025 ~ Jan. 15, 2026	Dec. 05, 2026	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Mar. 24, 2025	Dec. 20, 2025 ~ Jan. 15, 2026	Mar. 23, 2026	Radiation (03CH11-HY)
Preamplifier	E-INSTRUMENT TECH LTD.	ERA-100M-18G-56-01-A70	EC1900249	1GHz~18GHz	Jan. 21, 2025	Dec. 20, 2025 ~ Jan. 15, 2026	Jan. 20, 2026	Radiation (03CH11-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	May 26, 2025	Dec. 20, 2025 ~ Jan. 15, 2026	May 25, 2026	Radiation (03CH11-HY)
Signal Analyzer	Keysight	N9010A	MY54200486	10Hz~44GHz	Oct. 23, 2025	Dec. 20, 2025 ~ Jan. 15, 2026	Oct. 22, 2026	Radiation (03CH11-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY55420170	20MHz~8.4GHz	Jul. 22, 2025	Dec. 20, 2025 ~ Jan. 15, 2026	Jul. 21, 2026	Radiation (03CH11-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Dec. 20, 2025 ~ Jan. 15, 2026	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Dec. 20, 2025 ~ Jan. 15, 2026	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Dec. 20, 2025 ~ Jan. 15, 2026	N/A	Radiation (03CH11-HY)
Software	Audix	E3	RK-002391	N/A	N/A	Dec. 20, 2025 ~ Jan. 15, 2026	N/A	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTM-303B	TP200722	N/A	Mar. 03, 2025	Dec. 20, 2025 ~ Jan. 15, 2026	Mar. 02, 2026	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTM-303B	TP200880	N/A	Aug. 26, 2025	Dec. 20, 2025 ~ Jan. 15, 2026	Aug. 25, 2026	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804013/2	30M~40G	Mar. 05, 2025	Dec. 20, 2025 ~ Jan. 15, 2026	Mar. 04, 2026	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 05, 2025	Dec. 20, 2025 ~ Jan. 15, 2026	Mar. 04, 2026	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	30M~40G	Mar. 05, 2025	Dec. 20, 2025 ~ Jan. 15, 2026	Mar. 04, 2026	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	805139 2	30M~40G	May 10, 2025	Dec. 20, 2025 ~ Jan. 15, 2026	May 09, 2026	Radiation (03CH11-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40SS	SN3	6.75GHz High Pass Filter	Sep. 09, 2025	Dec. 20, 2025 ~ Jan. 15, 2026	Sep. 08, 2026	Radiation (03CH11-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN11	1.53GHz Low Pass Filter	Sep. 09, 2025	Dec. 20, 2025 ~ Jan. 15, 2026	Sep. 08, 2026	Radiation (03CH11-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.5 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9 dB
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Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.7 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9 dB
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Appendix A. Radiated Spurious Emission Test Data

Test Engineer :	Daniel Lee,Bill Chang, Fu Chen and Troye Hsieh	Temperature :	19.1~21.9°C
		Relative Humidity :	50.1~66.9%

Note symbol

-L	Low channel location
-R	High channel location

A1.Radiated Spurious Emission Test Modes

Mode	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 79	2400- 2483.5	5+8	802.11be EHT20	01	2412	MCS0	Full RU	-
Mode 79	5.15-5.25	5+8	802.11be EHT160	50	5250	MCS0	Partial RU 996/67	-
Mode 80	5.15-5.25	5+8	802.11be EHT160	50	5250	MCS0	Partial RU 996/67	LF
Mode 81	5.15-5.25	5+8	802.11be EHT160	50	5250	MCS0	Partial RU 996/67	SHF

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
79	802.11be EHT20	01	2389.95	47.85	54.00	-6.15	V	Avg.	Pass	Full RU	Band Edge
79	802.11be EHT160	50	5146.25	47.80	54.00	-6.20	H	Avg.	Pass	Partial RU 996/67	Band Edge
79	802.11be EHT20+ 802.11be EHT160	01+50	15750.00	39.29	54.00	-14.71	V	Avg.	Pass	Full RU+ Partial RU 996/67	Harmonic
80	LF	01+50	39.70	33.14	40.00	-6.86	V	QP	Pass	-	LF
81	SHF	01+50	38950.00	43.40	54.00	-10.60	H	Avg.	Pass	-	SHF



Mode	79													
	Band Edge													
	2400-2483.5_802.11be EHT20_CH01_Full RU_2412MHz													
ANT	5+8													
Pol.	Horizontal							Fundamental						
Peak	</													



		79												
Mode	Band Edge													
	2400-2483.5_802.11be EHT20_CH01_Full RU_2412MHz													
ANT	5+8													
Pol.	Vertical							Fundamental						
Peak														



Mode	79													
	Band Edge - L													
	U-NII-1_5.15-5.25_802.11be EHT160_CH50_Partial RU 996/67_5250MHz													
ANT	5+8													
Pol.	Horizontal													
Peak	Fundamental													
	Date: 2026-01-15													
	Date: 2026-01-15													
Peak	Date: 2026-01-15													
	Date: 2026-01-15													
	Date: 2026-01-15													
Avg	Date: 2026-01-15													
	Date: 2026-01-15													
	Date: 2026-01-15													



Mode	79	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11be EHT160_CH50_Partial RU 996/67_5250MHz	
ANT	5+8	
Pol.	Horizontal	Fundamental
Peak	<	



Mode	79											
	Band Edge - L											
	U-NII-1_5.15-5.25_802.11be EHT160_CH50_Partial RU 996/67_5250MHz											
ANT	5+8											
Pol.	Vertical						Fundamental					
Peak	Level (dBuV/m) Date: 2026-01-15											



Mode	79	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11be EHT160_CH50_Partial RU 996/67_5250MHz	
ANT	5+8	
Pol.	Vertical	Fundamental
Peak	</	



Mode	79																																																																																																																																																															
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Peak Avg	Level (dBuV/m) Date: 2026-01-15 Site : 03CH11-HY Condition: PEAK(UNII) 3m 91200_01620_250915 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>4824.00</td><td>41.65</td><td>74.00</td><td>-32.35</td><td>64.62</td><td>32.40</td><td>10.42</td><td>66.74</td><td>0.95</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>11050.00</td><td>46.25</td><td>74.00</td><td>-27.75</td><td>56.84</td><td>38.60</td><td>17.08</td><td>66.64</td><td>0.37</td><td>--</td><td>Peak</td></tr><tr><td>3</td><td>15750.00</td><td>48.64</td><td>74.00</td><td>-25.36</td><td>56.97</td><td>37.70</td><td>20.92</td><td>67.25</td><td>0.30</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>15750.00</td><td>37.96</td><td>54.00</td><td>-16.04</td><td>46.29</td><td>37.70</td><td>20.92</td><td>67.25</td><td>0.30</td><td>--</td><td>Average</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	4824.00	41.65	74.00	-32.35	64.62	32.40	10.42	66.74	0.95	--	Peak	2	11050.00	46.25	74.00	-27.75	56.84	38.60	17.08	66.64	0.37	--	Peak	3	15750.00	48.64	74.00	-25.36	56.97	37.70	20.92	67.25	0.30	--	Peak	4	15750.00	37.96	54.00	-16.04	46.29	37.70	20.92	67.25	0.30	--	Average	Level (dBuV/m) Date: 2026-01-15 Site : 03CH11-HY Condition: PEAK(UNII) 3m 91200_01620_250915 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>4824.00</td><td>41.46</td><td>74.00</td><td>-32.54</td><td>64.43</td><td>32.40</td><td>10.42</td><td>66.74</td><td>0.95</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>11050.00</td><td>47.52</td><td>74.00</td><td>-26.48</td><td>58.11</td><td>38.60</td><td>17.08</td><td>66.64</td><td>0.37</td><td>--</td><td>Peak</td></tr><tr><td>3</td><td>15750.00</td><td>50.01</td><td>74.00</td><td>-23.99</td><td>58.34</td><td>37.70</td><td>20.92</td><td>67.25</td><td>0.30</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>15750.00</td><td>39.29</td><td>54.00</td><td>-14.71</td><td>47.62</td><td>37.70</td><td>20.92</td><td>67.25</td><td>0.30</td><td>--</td><td>Average</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	4824.00	41.46	74.00	-32.54	64.43	32.40	10.42	66.74	0.95	--	Peak	2	11050.00	47.52	74.00	-26.48	58.11	38.60	17.08	66.64	0.37	--	Peak	3	15750.00	50.01	74.00	-23.99	58.34	37.70	20.92	67.25	0.30	--	Peak	4	15750.00	39.29	54.00	-14.71	47.62	37.70	20.92	67.25	0.30	--	Average
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Mode	79	
	Harmonic	
	2400-2483.5_802.11be EHT20_CH01_Full RU_2412MHz U-NII-1_5.15-5.25_802.11be EHT160_CH50_Partial RU 996/67_5250MHz	
ANT	5+8	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	Level (dBuV/m) Date: 2026-01-15 Site : 03CH11-HY Condition: AVG_54 3m 91200_01620_250915 HORIZONTAL	Level (dBuV/m) Date: 2026-01-15 Site : 03CH11-HY Condition: AVG_54 3m 91200_01620_250915 VERTICAL
	Level (dBuV/m) Date: 2026-01-15 Site : 03CH11-HY Condition: AVG_54 3m 91200_01620_250915 HORIZONTAL	Level (dBuV/m) Date: 2026-01-15 Site : 03CH11-HY Condition: AVG_54 3m 91200_01620_250915 VERTICAL



Mode	80																																																																																																																																																																																					
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QP/ Peak	Level (dBuV/m) Date: 2026-01-15 Site : 03CH11-HY Condition: QP 3m Bilog_66925 & 24006_250219 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></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>Remark</th></tr><tr><th>MHz</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</td><td>39.70</td><td>23.70</td><td>40.00</td><td>-16.30</td><td>34.88</td><td>20.18</td><td>0.92</td><td>32.33</td><td>0.05 -- -- Peak</td></tr><tr><td>2</td><td>107.60</td><td>30.64</td><td>43.50</td><td>-12.86</td><td>44.59</td><td>16.84</td><td>1.48</td><td>32.31</td><td>0.04 -- -- Peak</td></tr><tr><td>3</td><td>219.15</td><td>21.75</td><td>46.00</td><td>-24.25</td><td>36.62</td><td>15.22</td><td>2.06</td><td>32.19</td><td>0.04 -- -- Peak</td></tr><tr><td>4</td><td>504.33</td><td>24.35</td><td>46.00</td><td>-21.65</td><td>29.17</td><td>24.17</td><td>3.13</td><td>32.20</td><td>0.08 -- -- Peak</td></tr><tr><td>5</td><td>752.65</td><td>28.72</td><td>46.00</td><td>-17.28</td><td>28.16</td><td>28.30</td><td>3.00</td><td>32.09</td><td>0.55 -- -- Peak</td></tr><tr><td>6</td><td>937.92</td><td>32.75</td><td>46.00</td><td>-13.25</td><td>28.81</td><td>30.28</td><td>4.26</td><td>31.02</td><td>0.42 -- -- Peak</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line Margin	Level Factor	Loss Factor	Factor	Factor			Remark	MHz	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	39.70	23.70	40.00	-16.30	34.88	20.18	0.92	32.33	0.05 -- -- Peak	2	107.60	30.64	43.50	-12.86	44.59	16.84	1.48	32.31	0.04 -- -- Peak	3	219.15	21.75	46.00	-24.25	36.62	15.22	2.06	32.19	0.04 -- -- Peak	4	504.33	24.35	46.00	-21.65	29.17	24.17	3.13	32.20	0.08 -- -- Peak	5	752.65	28.72	46.00	-17.28	28.16	28.30	3.00	32.09	0.55 -- -- Peak	6	937.92	32.75	46.00	-13.25	28.81	30.28	4.26	31.02	0.42 -- -- Peak	Level (dBuV/m) Date: 2026-01-15 Site : 03CH11-HY Condition: QP 3m Bilog_66925 & 24006_250219 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></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>Remark</th></tr><tr><th>MHz</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</td><td>39.70</td><td>33.14</td><td>40.00</td><td>-6.86</td><td>44.32</td><td>20.18</td><td>0.92</td><td>32.33</td><td>0.05 100 100 QP</td></tr><tr><td>2</td><td>104.69</td><td>23.99</td><td>43.50</td><td>-19.51</td><td>38.03</td><td>16.77</td><td>1.47</td><td>32.31</td><td>0.03 -- -- Peak</td></tr><tr><td>3</td><td>260.86</td><td>18.89</td><td>46.00</td><td>-27.11</td><td>28.55</td><td>20.22</td><td>2.25</td><td>32.20</td><td>0.07 -- -- Peak</td></tr><tr><td>4</td><td>513.06</td><td>24.01</td><td>46.00</td><td>-21.99</td><td>28.69</td><td>24.26</td><td>3.16</td><td>32.19</td><td>0.09 -- -- Peak</td></tr><tr><td>5</td><td>756.53</td><td>28.47</td><td>46.00</td><td>-17.53</td><td>27.89</td><td>28.30</td><td>3.81</td><td>32.08</td><td>0.55 -- -- Peak</td></tr><tr><td>6</td><td>898.15</td><td>33.94</td><td>46.00</td><td>-12.06</td><td>31.20</td><td>29.46</td><td>4.19</td><td>31.39</td><td>0.48 -- -- Peak</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line Margin	Level Factor	Loss Factor	Factor	Factor			Remark	MHz	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	39.70	33.14	40.00	-6.86	44.32	20.18	0.92	32.33	0.05 100 100 QP	2	104.69	23.99	43.50	-19.51	38.03	16.77	1.47	32.31	0.03 -- -- Peak	3	260.86	18.89	46.00	-27.11	28.55	20.22	2.25	32.20	0.07 -- -- Peak	4	513.06	24.01	46.00	-21.99	28.69	24.26	3.16	32.19	0.09 -- -- Peak	5	756.53	28.47	46.00	-17.53	27.89	28.30	3.81	32.08	0.55 -- -- Peak	6	898.15	33.94	46.00	-12.06	31.20	29.46	4.19	31.39	0.48 -- -- Peak
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Pol.	Horizontal	Vertical																																																																																																																
Peak	Level (dBuV/m) Date: 2026-01-15 Site : 03CH11-HY Condition: PEAK(UNII) 1m SHF_1224_250702 HORIZONTAL <table><thead><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Margin</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></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</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><th></th></tr></thead><tbody><tr><td>1</td><td>38950.00</td><td>53.21</td><td>74.00</td><td>-20.79</td><td>41.18</td><td>44.70</td><td>33.79</td><td>56.92</td><td>-9.54</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>38950.00</td><td>43.40</td><td>54.00</td><td>-10.60</td><td>31.37</td><td>44.70</td><td>33.79</td><td>56.92</td><td>-9.54</td><td>--</td><td>--</td><td>--</td><td>Average</td></tr></tbody></table>		Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg		1	38950.00	53.21	74.00	-20.79	41.18	44.70	33.79	56.92	-9.54	--	--	--	Peak	2	38950.00	43.40	54.00	-10.60	31.37	44.70	33.79	56.92	-9.54	--	--	--	Average	Level (dBuV/m) Date: 2026-01-15 Site : 03CH11-HY Condition: PEAK(UNII) 1m SHF_1224_250702 VERTICAL <table><thead><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Margin</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></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</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><th></th></tr></thead><tbody><tr><td>1</td><td>39580.00</td><td>52.67</td><td>74.00</td><td>-21.33</td><td>39.25</td><td>45.04</td><td>34.31</td><td>56.39</td><td>-9.54</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>39580.00</td><td>42.54</td><td>54.00</td><td>-11.46</td><td>29.12</td><td>45.04</td><td>34.31</td><td>56.39</td><td>-9.54</td><td>--</td><td>--</td><td>--</td><td>Average</td></tr></tbody></table>		Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg		1	39580.00	52.67	74.00	-21.33	39.25	45.04	34.31	56.39	-9.54	--	--	--	Peak	2	39580.00	42.54	54.00	-11.46	29.12	45.04	34.31	56.39	-9.54	--	--	--	Average
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Avg	Level (dBuV/m) Date: 2026-01-15 Site : 03CH11-HY Condition: AVG_54 1m SHF_1224_250702 Horizontal	Level (dBuV/m) Date: 2026-01-12 Site : 03CH11-HY Condition: AVG_54 1m SHF_1224_250702 Vertical																																																																																																																



Appendix B. Duty Cycle Plots

Antenna	Band	Duty Cycle (%)	T(us)	1/T(kHz)	VBW Setting
5+8	2.4GHz 802.11be EHT20 Full RU	99.60	5447	0.18	10Hz
5+8	5GHz 802.11be EHT160 996 RU	98.23	1107	0.9	10Hz

<Ant. 5+8>

