



FCC RADIO TEST REPORT

FCC ID : ACJ9TGWL24A
Equipment : Radio Module
Brand Name : Panasonic
Model Name : WL24A
Applicant : Panasonic Corporation of North America
Two Riverfront Plaza, Newark, New Jersey,
07102-5490, USA
Standard : FCC Part 15 Subpart E §15.407

The product was received on Oct. 29, 2025 and testing was performed from Nov. 10, 2025 to Nov. 14, 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 partial 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	Issue Date
FR5O2913-01G	01	Initial issue of report	Jan. 19, 2026

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
-	15.403	6dB & 26dB Bandwidth	Pass	See Note
-	2.1049	99% Occupied Bandwidth	Pass	See Note
3.1	15.407(a)	Maximum Conducted Output Power	Pass	-
-	15.407(a)	Power Spectral Density	Pass	See Note
3.2	15.407(b)	Unwanted Emissions	Pass	10.92 dB under the limit at 11650 MHz
-	15.207	AC Conducted Emission	Pass	See Note
3.3	15.203	Antenna Requirement	Pass	-

Note:

- For host device, Radiated Spurious Emission is verified and complies with the limit in this test report.
- For host device, the Conducted Output Power is no difference after compared to module (Model: Panasonic WL24A)

Conformity Assessment Condition:

- 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.
- 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: Yuri Huang



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature		
General Specs Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax/be, Wi-Fi 5GHz 802.11a/n/ac/ax/be, Wi-Fi 6GHz 802.11ax/be		
Antenna Type WLAN: <Main Ant. (Chain B)>: Monopole Antenna <Aux Ant. (Chain A)>: PIFA Antenna		
Antenna information		
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	Main Ant. (Chain B): 4.07 dBi Aux Ant. (Chain A): 4.26 dBi

Remark:

1. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.
2. The product was installed into Portable Computer (Brand Name: Panasonic, Model Name: FZ-56(mk1) during test.

1.1.1 Antenna Directional Gain

<For CDD Mode>

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F2)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	Chain	DG	DG	Power	PSD
	Port 0	Port 1	for	for	Limit	Limit
	Chain A	Chain B	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	4.26	4.07	4.26	7.18	0.00	1.18

Calculation example:

If a device has two antenna, $G_{ANT1} = 4.26$ dBi; $G_{ANT2} = 4.07$ dBi

Directional gain of power measurement = $\max(4.26, 4.07) + 0 = 4.26$ dBi

Directional gain of PSD derived from formula which is

$$10 \times \log \left\{ \left[10^{(4.26 \text{ dBi} / 20)} + 10^{(4.07 \text{ dBi} / 20)} \right]^2 / 2 \right\}$$

$$= 7.18 \text{ dBi}$$

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

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. TH05-HY, 03CH21-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 KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ FCC Part 15 Subpart E
- ♦ ANSI C63.10-2020

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).

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5725-5850 MHz Band 4 (U-NII-3)	149	5745	157	5785
	151*	5755	159*	5795
	153	5765	161	5805
	155#	5775	165	5825

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40 and 802.11be EHT40.
2. The above Frequency and Channel with "#" are 802.11ac VHT80 and 802.11ax HE80 and 802.11be EHT80.

2.2 Test Mode

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

Single Mode

Modulation	Data Rate
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20 (Covered by HT20)	MCS0
802.11ac VHT40 (Covered by HT40)	MCS0
802.11ac VHT80	MCS0
802.11ax HE20(Covered by EHT20)	MCS0
802.11ax HE40(Covered by EHT40)	MCS0
802.11ax HE80(Covered by EHT80)	MCS0
802.11be EHT20	MCS0
802.11be EHT40	MCS0
802.11be EHT80	MCS0

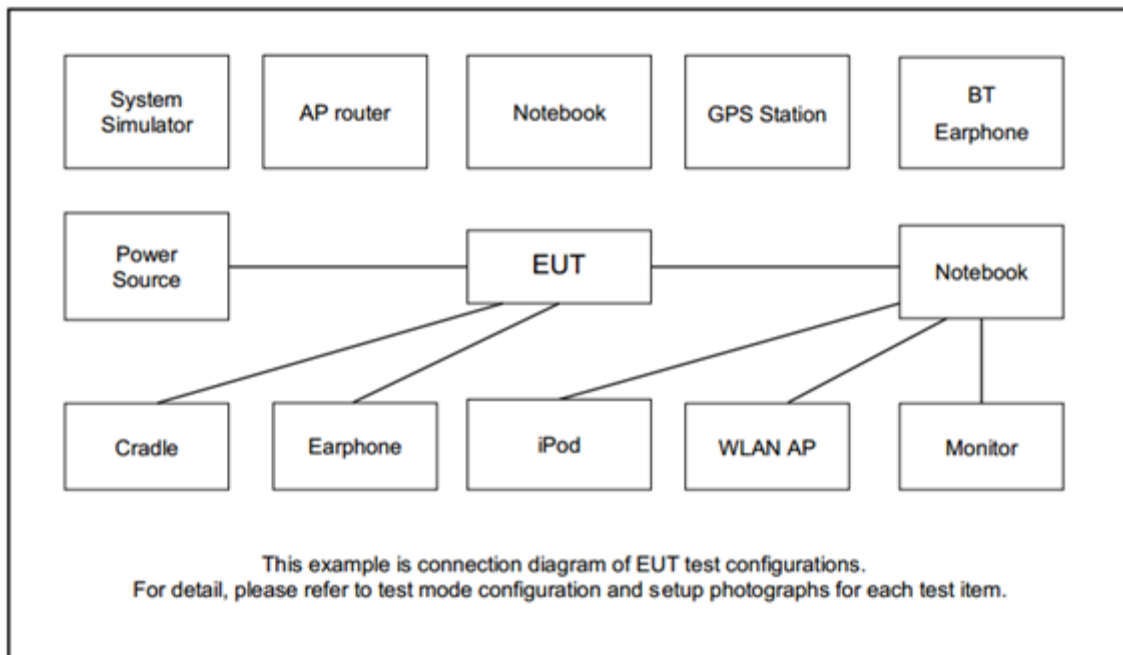
MIMO Mode

Modulation	Data Rate
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20 (Covered by HT20)	MCS0
802.11ac VHT40 (Covered by HT40)	MCS0
802.11ac VHT80	MCS0
802.11ax HE20(Covered by EHT20)	MCS0
802.11ax HE40(Covered by EHT40)	MCS0
802.11ax HE80(Covered by EHT80)	MCS0
802.11be EHT20	MCS0
802.11be EHT40	MCS0
802.11be EHT80	MCS0

Remark:

- The detailed Radiated test modes are shown in Appendix B.

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	Apple	A1285	N/A	N/A	Unshielded, 1.2 m

Remark: Applicant has ensured support unit would not be attached with the product on the market, support unit is provided by lab for testing.

2.5 EUT Operation Test Setup

The RF test items, utility “DRTU v09295.23.170.0” 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.

2.6 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 4.2 dB and 10 dB attenuator.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)}\end{aligned}$$

3 Test Result

3.1 Maximum Conducted Output Power Measurement

3.1.1 Limit of Maximum Conducted Output Power

For the band 5.725–5.85 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.

3.1.2 Measuring Instruments

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

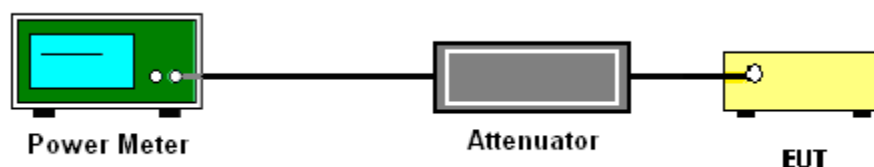
3.1.3 Test Procedures

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.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01

3.1.4 Test Setup



3.1.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.2 Unwanted Emissions Measurement

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

3.2.1 Limit of Unwanted Emissions

- (1) For transmitters operating in the 5.725-5.85 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.

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

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

- (3) 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.

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

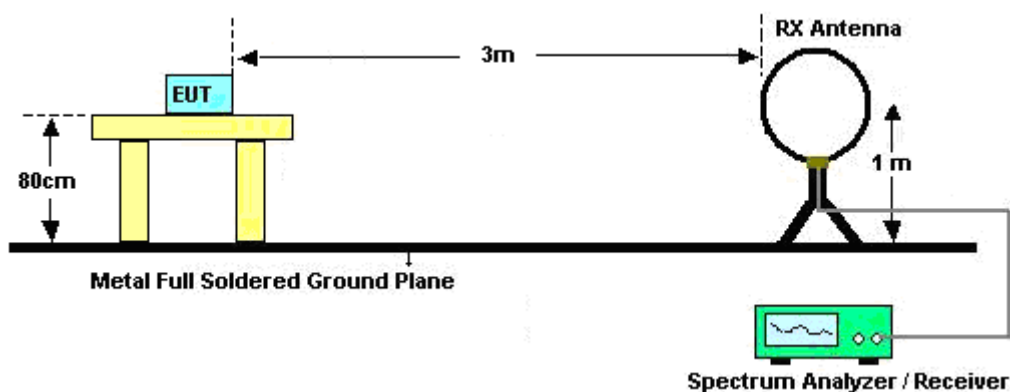
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section G) Unwanted emissions measurement.
(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
(2) Procedure for Peak Unwanted 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.

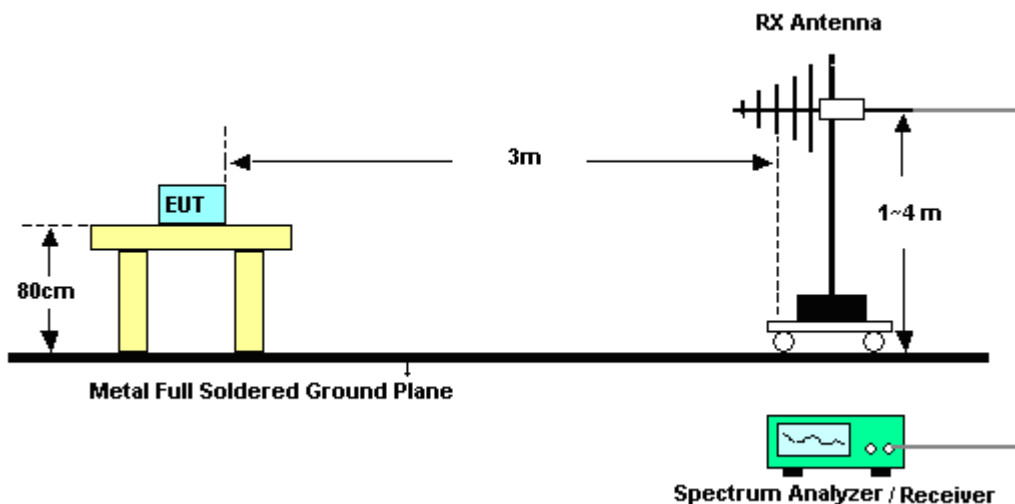
When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-”.

3.2.4 Test Setup

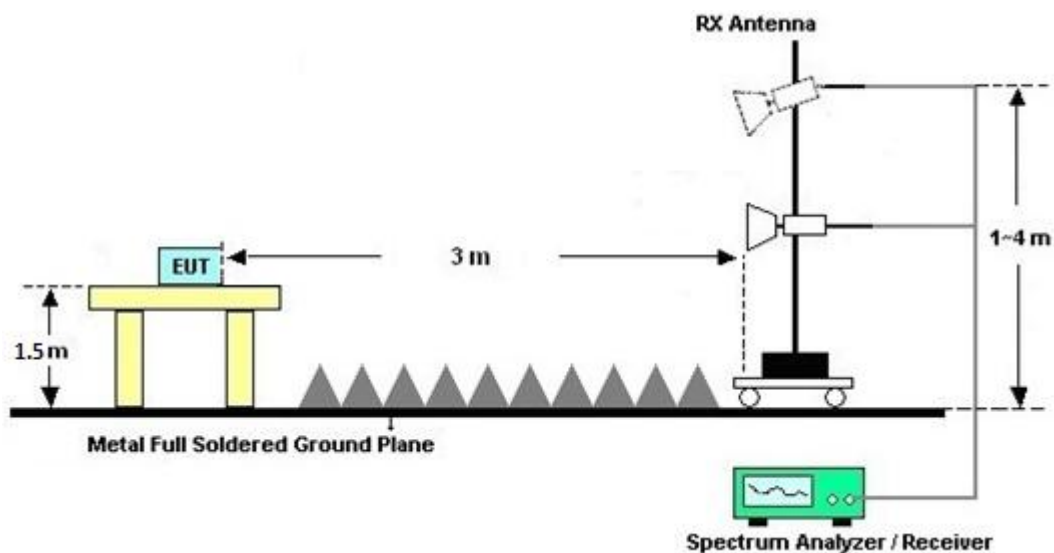
For radiated emissions below 30MHz



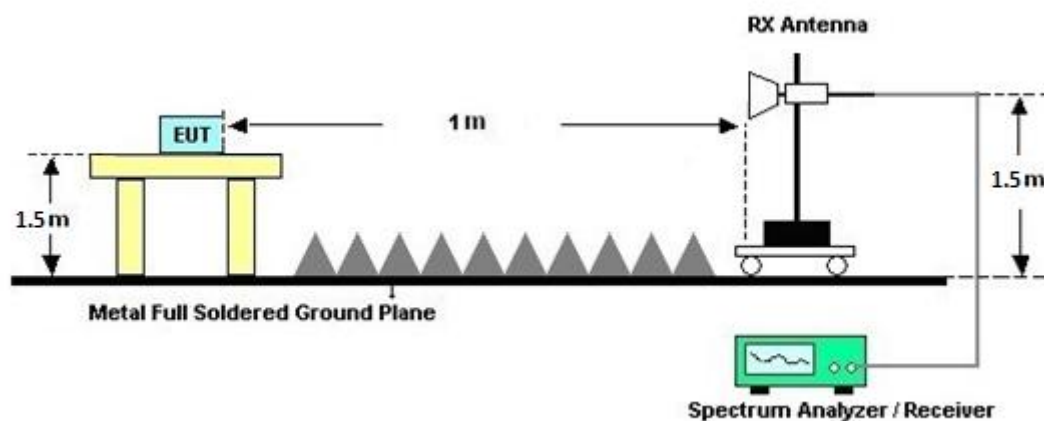
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz





3.2.5 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.

3.2.6 Test Result of Radiated Band Edges

Please refer to Appendix C.

3.2.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix C.



3.3 Antenna Requirements

3.3.1 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.

3.3.2 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	TECEP	DTM-303A	TP224371	N/A	Jun. 16, 2025	Nov. 10, 2025	Jun. 15, 2026	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	13I00030SNO31 (NO:182)	9kHz~6GHz	Jan. 09, 2025	Nov. 10, 2025	Jan. 08, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 29, 2025	Nov. 10, 2025	Aug. 28, 2026	Conducted (TH05-HY)
Switch Control Mainframe	E-Instument	ETF-1405-0	EC1900157 (BOX6)	N/A	Feb. 10, 2025	Nov. 10, 2025	Feb. 09, 2026	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_version_240513	N/A	Conducted Other Test Item	N/A	Nov. 10, 2025	N/A	Conducted (TH05-HY)
LOOP Antenna	Rohde & Schwarz	HFH2-Z2	101108	9 kHz~30 MHz	Dec. 18, 2024	Nov. 12, 2025~Nov. 14, 2025	Dec. 17, 2025	Radiation (03CH21-HY)
Bilog Antenna	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	63303 & 001	30MHz~1GHz	Dec. 17, 2024	Nov. 12, 2025~Nov. 14, 2025	Dec. 16, 2025	Radiation (03CH21-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1212	1GHz~18GHz	Mar. 27, 2025	Nov. 12, 2025~Nov. 14, 2025	Mar. 26, 2026	Radiation (03CH21-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz~40GHz	Jul. 02, 2025	Nov. 12, 2025~Nov. 14, 2025	Jul. 01, 2026	Radiation (03CH21-HY)
Amplifier	SONOMA	310N	421580	30MHz~1GHz	Jul. 13, 2025	Nov. 12, 2025~Nov. 14, 2025	Jul. 12, 2026	Radiation (03CH21-HY)
Amplifier	EMEC	EM01G18GA	060876	1GHz~18GHz	Sep. 26, 2025	Nov. 12, 2025~Nov. 14, 2025	Sep. 25, 2026	Radiation (03CH21-HY)
Preamplifier	EMEC	EM18G40G	060873	18GHz~40GHz	Aug. 26, 2025	Nov. 12, 2025~Nov. 14, 2025	Aug. 25, 2026	Radiation (03CH21-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY57290111	3Hz~26.5GHz	Nov. 22, 2024	Nov. 12, 2025~Nov. 14, 2025	Nov. 21, 2025	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 05, 2025	Nov. 12, 2025~Nov. 14, 2025	Mar. 04, 2026	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804397/2,804612/2,803954/2	30MHz~40GHz	Aug. 11, 2025	Nov. 12, 2025~Nov. 14, 2025	Aug. 10, 2026	Radiation (03CH21-HY)
Hygrometer	TECEP	DTM-303A	TP211568	N/A	Oct. 21, 2025	Nov. 12, 2025~Nov. 14, 2025	Oct. 20, 2026	Radiation (03CH21-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Nov. 12, 2025~Nov. 14, 2025	N/A	Radiation (03CH21-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Nov. 12, 2025~Nov. 14, 2025	N/A	Radiation (03CH21-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Nov. 12, 2025~Nov. 14, 2025	N/A	Radiation (03CH21-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Nov. 12, 2025~Nov. 14, 2025	N/A	Radiation (03CH21-HY)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.4 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.8 dB
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Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.8 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.3 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Benny Ku	Temperature:	21~25	°C
Test Date:	2025/11/10	Relative Humidity:	51~54	%

TEST RESULTS DATA
Average Power Table

U-NII-3 single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Chain A	Chain B	SUM	Chain A	Chain B	Chain A	Chain B	
11a	6Mbps	1	149	5745	8.50	8.70		30.00	30.00	4.26	4.07	Pass
11a	6Mbps	1	157	5785	8.70	8.70		30.00	30.00	4.26	4.07	Pass
11a	6Mbps	1	165	5825	8.50	8.60		30.00	30.00	4.26	4.07	Pass
HT20	MCS0	1	149	5745	8.70	8.70		30.00	30.00	4.26	4.07	Pass
HT20	MCS0	1	157	5785	8.70	8.60		30.00	30.00	4.26	4.07	Pass
HT20	MCS0	1	165	5825	8.50	8.50		30.00	30.00	4.26	4.07	Pass
HT40	MCS0	1	151	5755	8.70	8.70		30.00	30.00	4.26	4.07	Pass
HT40	MCS0	1	159	5795	8.60	8.60		30.00	30.00	4.26	4.07	Pass
VHT20	MCS0	1	149	5745	8.70	8.70		30.00	30.00	4.26	4.07	Pass
VHT20	MCS0	1	157	5785	8.70	8.60		30.00	30.00	4.26	4.07	Pass
VHT20	MCS0	1	165	5825	8.50	8.50		30.00	30.00	4.26	4.07	Pass
VHT40	MCS0	1	151	5755	8.70	8.70		30.00	30.00	4.26	4.07	Pass
VHT40	MCS0	1	159	5795	8.60	8.60		30.00	30.00	4.26	4.07	Pass
VHT80	MCS0	1	155	5775	8.70	8.70		30.00	30.00	4.26	4.07	Pass

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Chain A	Chain B	SUM	Chain A	Chain B	Chain A	Chain B	
HT20	MCS0	2	149	5745	8.40	8.30	11.36	30.00		4.26		Pass
HT20	MCS0	2	157	5785	8.70	8.60	11.66	30.00		4.26		Pass
HT20	MCS0	2	165	5825	8.40	8.50	11.46	30.00		4.26		Pass
HT40	MCS0	2	151	5755	8.70	8.60	11.66	30.00		4.26		Pass
HT40	MCS0	2	159	5795	8.60	8.60	11.61	30.00		4.26		Pass
VHT20	MCS0	2	149	5745	8.40	8.30	11.36	30.00		4.26		Pass
VHT20	MCS0	2	157	5785	8.70	8.60	11.66	30.00		4.26		Pass
VHT20	MCS0	2	165	5825	8.40	8.50	11.46	30.00		4.26		Pass
VHT40	MCS0	2	151	5755	8.60	8.70	11.66	30.00		4.26		Pass
VHT40	MCS0	2	159	5795	8.60	8.60	11.61	30.00		4.26		Pass
VHT80	MCS0	2	155	5775	8.70	8.60	11.66	30.00		4.26		Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Chain A	Chain B	SUM	Chain A	Chain B	Chain A	Chain B	
EHT20	MCS0	1	149	5745	Full	8.70	8.70		30.00	30.00	4.26	4.07	Pass
EHT20	MCS0	1	157	5785	Full	8.60	8.50		30.00	30.00	4.26	4.07	Pass
EHT20	MCS0	1	165	5825	Full	8.70	8.70		30.00	30.00	4.26	4.07	Pass
EHT40	MCS0	1	151	5755	Full	8.70	8.70		30.00	30.00	4.26	4.07	Pass
EHT40	MCS0	1	159	5795	Full	8.50	8.50		30.00	30.00	4.26	4.07	Pass
EHT80	MCS0	1	155	5775	Full	8.60	8.60		30.00	30.00	4.26	4.07	Pass

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Chain A	Chain B	SUM	Chain A	Chain B	Chain A	Chain B	
EHT20	MCS0	2	149	5745	Full	8.70	8.60	11.66	30.00		4.26		Pass
EHT20	MCS0	2	157	5785	Full	8.60	8.50	11.56	30.00		4.26		Pass
EHT20	MCS0	2	165	5825	Full	8.40	8.40	11.41	30.00		4.26		Pass
EHT40	MCS0	2	151	5755	Full	8.70	8.60	11.66	30.00		4.26		Pass
EHT40	MCS0	2	159	5795	Full	8.60	8.50	11.56	30.00		4.26		Pass
EHT80	MCS0	2	155	5775	Full	8.60	8.60	11.61	30.00		4.26		Pass



Appendix B. Radiated Spurious Emission Test Data

Test Engineer :	Jack Cheng, Ray Lung, Sky Chang	Temperature :	21.1 ~ 25.7°C
		Relative Humidity :	55.8 ~ 63.2%

Note symbol

-L	Low channel location
-R	High channel location

B1. Radiated Spurious Emission Test Modes

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 14	U-NII-3	5.725-5.85	Chain B	802.11a	165	5825	6Mbps	-	-
Mode 15	U-NII-3	5.725-5.85	Chain A	802.11a	165	5825	6Mbps	-	-
Mode 16	U-NII-3	5.725-5.85	Chain B+A	802.11be EHT20	165	5825	MCS0	-	-
Mode 17	U-NII-3	5.725-5.85	Chain B+A	802.11be EHT80	155	5775	MCS0	-	-
Mode 18	U-NII-3	5.725-5.85	Chain B	802.11a	165	5825	6Mbps	-	LF
Mode 19	U-NII-3	5.725-5.85	Chain B	802.11a	165	5825	6Mbps	-	SHF

B2. Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
14	802.11a	165	5943.88	53.11	68.20	-15.09	V	Peak	Pass	-	Band Edge
	802.11a	165	11650.00	43.08	54.00	-10.92	V	Avg.	Pass	-	Harmonic
15	802.11a	165	5929.38	52.46	68.20	-15.74	V	Peak	Pass	-	Band Edge
	802.11a	165	11650.00	42.95	54.00	-11.05	H	Avg.	Pass	-	Harmonic
16	802.11be EHT20	165	5925.25	51.94	68.20	-16.26	V	Peak	Pass	-	Band Edge
	802.11be EHT20	165	-	-	-	-	-	-	-	-	Harmonic
17	802.11be EHT80	155	5941.08	51.96	68.20	-16.24	V	Peak	Pass	-	Band Edge
	802.11be EHT80	155	-	-	-	-	-	-	-	-	Harmonic
18	LF	165	954.41	33.40	46.00	-12.60	H	Peak	Pass	-	LF
19	SHF	165	39616.45	41.46	54.00	-12.54	V	Avg.	Pass	-	SHF



Mode	14																																																																																																																							
	Band Edge																																																																																																																							
	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz																																																																																																																							
ANT	Chain B																																																																																																																							
Pol.	Horizontal					Fundamental																																																																																																																		
Peak	Level (dBuV/m) Date: 2025-11-13 Site : 03CH21-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C03A18EN_250807 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</th><th>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>cm</th><th>deg</th></tr><tr><td>1 5855.00</td><td>48.85</td><td>110.80</td><td>-61.95</td><td>34.38</td><td>33.70</td><td>14.90</td><td>35.21</td><td>1.08</td><td>267 255 Peak</td></tr><tr><td>2 5871.00</td><td>52.21</td><td>106.32</td><td>-54.11</td><td>37.75</td><td>33.70</td><td>14.93</td><td>35.23</td><td>1.06</td><td>267 255 Peak</td></tr><tr><td>3 5925.00</td><td>50.29</td><td>68.20</td><td>-17.91</td><td>35.95</td><td>33.65</td><td>15.01</td><td>35.30</td><td>0.98</td><td>267 255 Peak</td></tr><tr><td>4 5928.88</td><td>51.51</td><td>68.20</td><td>-16.69</td><td>37.19</td><td>33.64</td><td>15.01</td><td>35.30</td><td>0.97</td><td>267 255 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 5855.00	48.85	110.80	-61.95	34.38	33.70	14.90	35.21	1.08	267 255 Peak	2 5871.00	52.21	106.32	-54.11	37.75	33.70	14.93	35.23	1.06	267 255 Peak	3 5925.00	50.29	68.20	-17.91	35.95	33.65	15.01	35.30	0.98	267 255 Peak	4 5928.88	51.51	68.20	-16.69	37.19	33.64	15.01	35.30	0.97	267 255 Peak	Level (dBuV/m) Date: 2025-11-13 Site : 03CH21-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C03A18EN_250807 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</th><th>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>cm</th><th>deg</th></tr><tr><td>1 5825.00</td><td>99.33</td><td>-----</td><td>-----</td><td>84.77</td><td>33.75</td><td>14.86</td><td>35.18</td><td>1.13</td><td>267 255 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 5825.00	99.33	-----	-----	84.77	33.75	14.86	35.18	1.13	267 255 Peak
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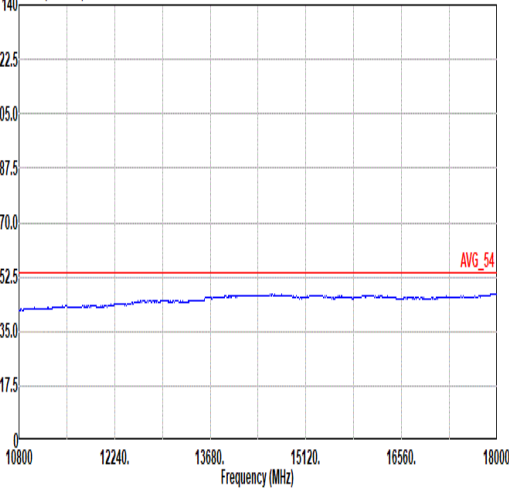
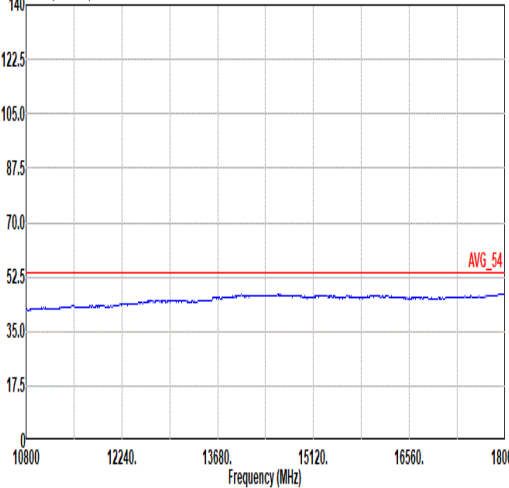


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Avg	Blank						Level (dBuV/m) Date: 2025-11-13 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_250807 VERTICAL : RBW:1000.000kHz VBW:0.510kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</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>5825.00</td><td>94.27</td><td>-----</td><td>-----</td><td>79.71</td><td>33.75</td><td>14.86</td><td>35.18</td><td>1.13</td><td>100</td><td>113</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	5825.00	94.27	-----	-----	79.71	33.75	14.86	35.18	1.13	100	113	Average																																																																																			
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Pol.	Horizontal	Vertical																																																																																																																								
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Mode	14	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz	
ANT	Chain B	
Pol.	Horizontal	Vertical
10.8G ~18G Avg	Level (dBuV/m) Date: 2025-11-13  Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_250807 HORIZONTAL	Level (dBuV/m) Date: 2025-11-13  Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_250807 VERTICAL



Mode	15																																																																																																																																										
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Mode	15																																																																																																																																																							
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	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz																																																																																																																																																							
ANT	Chain A																																																																																																																																																							
Pol.	Horizontal						Vertical																																																																																																																																																	
Peak Avg	Level (dBuV/m) Date: 2025-11-13 Site : 03CH21-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C03A18EN_250807 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>11650.00</td><td>53.53</td><td>74.00</td><td>-20.47</td><td>32.89</td><td>38.40</td><td>21.18</td><td>40.95</td><td>2.01</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>11650.00</td><td>42.95</td><td>54.00</td><td>-11.05</td><td>22.31</td><td>38.40</td><td>21.18</td><td>40.95</td><td>2.01</td><td>--</td><td>--</td><td>Average</td></tr><tr><td>3</td><td>17475.00</td><td>55.65</td><td>68.20</td><td>-12.55</td><td>34.85</td><td>39.90</td><td>26.30</td><td>47.84</td><td>2.44</td><td>--</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	11650.00	53.53	74.00	-20.47	32.89	38.40	21.18	40.95	2.01	--	--	Peak	2	11650.00	42.95	54.00	-11.05	22.31	38.40	21.18	40.95	2.01	--	--	Average	3	17475.00	55.65	68.20	-12.55	34.85	39.90	26.30	47.84	2.44	--	--	Peak	Level (dBuV/m) Date: 2025-11-13 Site : 03CH21-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C03A18EN_250807 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>11650.00</td><td>52.36</td><td>74.00</td><td>-21.64</td><td>31.72</td><td>38.40</td><td>21.18</td><td>40.95</td><td>2.01</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>11650.00</td><td>42.90</td><td>54.00</td><td>-11.10</td><td>22.26</td><td>38.40</td><td>21.18</td><td>40.95</td><td>2.01</td><td>--</td><td>--</td><td>Average</td></tr><tr><td>3</td><td>17475.00</td><td>55.74</td><td>68.20</td><td>-12.46</td><td>34.94</td><td>39.90</td><td>26.30</td><td>47.84</td><td>2.44</td><td>--</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	11650.00	52.36	74.00	-21.64	31.72	38.40	21.18	40.95	2.01	--	--	Peak	2	11650.00	42.90	54.00	-11.10	22.26	38.40	21.18	40.95	2.01	--	--	Average	3	17475.00	55.74	68.20	-12.46	34.94	39.90	26.30	47.84	2.44	--	--	Peak
		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	11650.00	53.53	74.00	-20.47	32.89	38.40	21.18	40.95	2.01	--	--	Peak																																																																																																																																												
2	11650.00	42.95	54.00	-11.05	22.31	38.40	21.18	40.95	2.01	--	--	Average																																																																																																																																												
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1	11650.00	52.36	74.00	-21.64	31.72	38.40	21.18	40.95	2.01	--	--	Peak																																																																																																																																												
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3	17475.00	55.74	68.20	-12.46	34.94	39.90	26.30	47.84	2.44	--	--	Peak																																																																																																																																												



Mode	15	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz	
ANT	Chain A	
Pol.	Horizontal	Vertical
10.8G ~18G Avg	Level (dBuV/m) Date: 2025-11-13 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_250807 HORIZONTAL	Level (dBuV/m) Date: 2025-11-13 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_250807 VERTICAL



Mode	16																																																																																																																																										
	Band Edge																																																																																																																																										
	U-NII-3_5.725-5.85_802.11be EHT20_CH165_5825MHz																																																																																																																																										
ANT	Chain B+A																																																																																																																																										
Pol.	Horizontal						Fundamental																																																																																																																																				
Peak	Level (dBuV/m) Date: 2025-11-14 Site : 03CH21-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C03A18EN_250807 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</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>5854.88</td><td>50.30</td><td>111.08</td><td>-60.78</td><td>35.83</td><td>33.70</td><td>14.90</td><td>35.21</td><td>1.08</td><td>273</td><td>255</td><td>Peak</td></tr><tr><td>2</td><td>5875.00</td><td>51.14</td><td>105.20</td><td>-54.06</td><td>36.70</td><td>33.70</td><td>14.93</td><td>35.24</td><td>1.05</td><td>273</td><td>255</td><td>Peak</td></tr><tr><td>3</td><td>5924.00</td><td>50.79</td><td>68.94</td><td>-18.15</td><td>36.45</td><td>33.65</td><td>15.01</td><td>35.30</td><td>0.98</td><td>273</td><td>255</td><td>Peak</td></tr><tr><td>4</td><td>5926.88</td><td>51.60</td><td>68.20</td><td>-16.60</td><td>37.26</td><td>33.65</td><td>15.01</td><td>35.30</td><td>0.98</td><td>273</td><td>255</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	5854.88	50.30	111.08	-60.78	35.83	33.70	14.90	35.21	1.08	273	255	Peak	2	5875.00	51.14	105.20	-54.06	36.70	33.70	14.93	35.24	1.05	273	255	Peak	3	5924.00	50.79	68.94	-18.15	36.45	33.65	15.01	35.30	0.98	273	255	Peak	4	5926.88	51.60	68.20	-16.60	37.26	33.65	15.01	35.30	0.98	273	255	Peak	Level (dBuV/m) Date: 2025-11-14 Site : 03CH21-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C03A18EN_250807 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</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>5825.00</td><td>103.56</td><td>-----</td><td>-----</td><td>89.00</td><td>33.75</td><td>14.86</td><td>35.18</td><td>1.13</td><td>273</td><td>255</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	5825.00	103.56	-----	-----	89.00	33.75	14.86	35.18	1.13	273	255	Peak
		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																	
Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor																																																																																																																																			
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1	5854.88	50.30	111.08	-60.78	35.83	33.70	14.90	35.21	1.08	273	255	Peak																																																																																																																															
2	5875.00	51.14	105.20	-54.06	36.70	33.70	14.93	35.24	1.05	273	255	Peak																																																																																																																															
3	5924.00	50.79	68.94	-18.15	36.45	33.65	15.01	35.30	0.98	273	255	Peak																																																																																																																															
4	5926.88	51.60	68.20	-16.60	37.26	33.65	15.01	35.30	0.98	273	255	Peak																																																																																																																															
	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	5825.00	103.56	-----	-----	89.00	33.75	14.86	35.18	1.13	273	255	Peak																																																																																																																															
Avg	Blank						Level (dBuV/m) Date: 2025-11-14 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_250807 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz 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</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>5825.00</td><td>95.63</td><td>-----</td><td>-----</td><td>81.07</td><td>33.75</td><td>14.86</td><td>35.18</td><td>1.13</td><td>273</td><td>255</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	5825.00	95.63	-----	-----	81.07	33.75	14.86	35.18	1.13	273	255	Average																																																																																			
		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																	
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Mode	16																																																																																																																																										
	Band Edge																																																																																																																																										
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Peak	Level (dBuV/m) Date: 2025-11-14 Site : 03CH21-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C03A18EN_250807 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</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>5854.75</td><td>51.32</td><td>111.37</td><td>-60.05</td><td>36.85</td><td>33.70</td><td>14.90</td><td>35.21</td><td>1.00</td><td>100</td><td>121</td><td>Peak</td></tr><tr><td>2</td><td>5873.63</td><td>51.53</td><td>105.58</td><td>-54.05</td><td>37.09</td><td>33.70</td><td>14.93</td><td>35.24</td><td>1.05</td><td>100</td><td>121</td><td>Peak</td></tr><tr><td>3</td><td>5923.50</td><td>52.13</td><td>69.31</td><td>-17.18</td><td>37.79</td><td>33.65</td><td>15.01</td><td>35.30</td><td>0.98</td><td>100</td><td>121</td><td>Peak</td></tr><tr><td>4</td><td>5925.25</td><td>51.94</td><td>68.20</td><td>-16.26</td><td>37.60</td><td>33.65</td><td>15.01</td><td>35.30</td><td>0.98</td><td>100</td><td>121</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	5854.75	51.32	111.37	-60.05	36.85	33.70	14.90	35.21	1.00	100	121	Peak	2	5873.63	51.53	105.58	-54.05	37.09	33.70	14.93	35.24	1.05	100	121	Peak	3	5923.50	52.13	69.31	-17.18	37.79	33.65	15.01	35.30	0.98	100	121	Peak	4	5925.25	51.94	68.20	-16.26	37.60	33.65	15.01	35.30	0.98	100	121	Peak	Level (dBuV/m) Date: 2025-11-14 Site : 03CH21-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C03A18EN_250807 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</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>5825.00</td><td>104.59</td><td>-----</td><td>-----</td><td>90.03</td><td>33.75</td><td>14.86</td><td>35.18</td><td>1.13</td><td>100</td><td>121</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	5825.00	104.59	-----	-----	90.03	33.75	14.86	35.18	1.13	100	121	Peak
		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																	
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1	5854.75	51.32	111.37	-60.05	36.85	33.70	14.90	35.21	1.00	100	121	Peak																																																																																																																															
2	5873.63	51.53	105.58	-54.05	37.09	33.70	14.93	35.24	1.05	100	121	Peak																																																																																																																															
3	5923.50	52.13	69.31	-17.18	37.79	33.65	15.01	35.30	0.98	100	121	Peak																																																																																																																															
4	5925.25	51.94	68.20	-16.26	37.60	33.65	15.01	35.30	0.98	100	121	Peak																																																																																																																															
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	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																																																																	
1	5825.00	104.59	-----	-----	90.03	33.75	14.86	35.18	1.13	100	121	Peak																																																																																																																															
Avg	Blank						Level (dBuV/m) Date: 2025-11-14 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_250807 VERTICAL : RBW:1000.000kHz VBW:0.010kHz 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</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>5825.00</td><td>97.56</td><td>-----</td><td>-----</td><td>83.00</td><td>33.75</td><td>14.86</td><td>35.18</td><td>1.13</td><td>100</td><td>121</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	5825.00	97.56	-----	-----	83.00	33.75	14.86	35.18	1.13	100	121	Average																																																																																			
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Mode

17

Band Edge - R

U-NII-3_5.725-5.85_802.11be EHT80_CH155_5775MHz

ANT

Chain B+A

Pol.

Vertical

Peak

Level (dBuV/m)

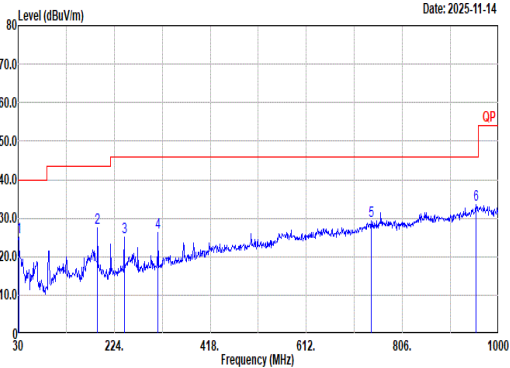
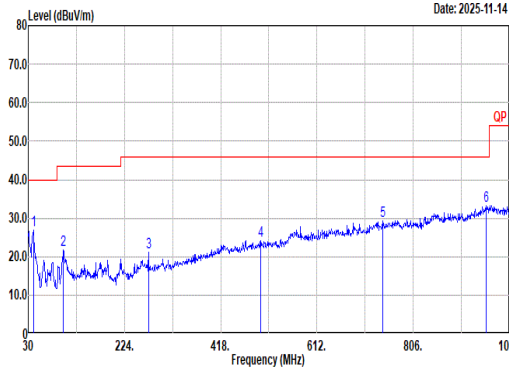
Date: 2025-11-14

Site : 03CH21-HY
Condition: PEAK_BE(84)_16-24 3m DRH18-E_LE2C03418EN 250007 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SMT:Auto

	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	dB	cm
1 5854.80	50.65	111.26	-60.61	36.18	33.70	14.90	35.21	1.08	100
2 5874.75	51.20	105.27	-54.07	36.76	33.70	14.93	35.24	1.05	100
3 5924.98	51.05	68.22	-17.17	36.71	33.65	15.01	35.30	0.98	100
4 5941.08	51.96	68.20	-16.24	37.67	33.62	15.03	35.32	0.96	100

Blank



Mode	18									
	LF									
	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz									
ANT	Chain B									
Pol.	Horizontal					Vertical				
QPI Peak										
	Site : 03CH21-HY Condition: QP 3m LF_633038001_241217 HORIZONTAL					Site : 03CH21-HY Condition: QP 3m LF_633038001_241217 VERTICAL				
	Freq	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark
	MHz	Level	Line	Margin	Level	Factor	Loss	Factor	Factor	
		dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg
1	30.97	24.98	40.00	-15.02	32.17	24.43	0.87	32.51	0.02	-- -- Peak
2	190.05	27.57	43.50	-15.93	42.84	14.70	2.42	32.45	0.06	-- -- Peak
3	244.37	25.08	46.00	-20.92	36.82	17.91	2.74	32.46	0.07	-- -- Peak
4	312.27	26.40	46.00	-19.60	36.35	19.35	3.11	32.48	0.07	-- -- Peak
5	742.95	29.17	46.00	-16.83	28.67	28.16	4.77	32.57	0.14	-- -- Peak
6	954.41	33.40	46.00	-12.60	27.51	31.46	5.40	31.18	0.21	-- -- Peak
	Freq	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark
	MHz	Level	Line	Margin	Level	Factor	Loss	Factor	Factor	
		dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm deg
1	40.67	26.74	40.00	-13.26	38.68	19.46	1.07	32.49	0.02	-- -- Peak
2	100.81	21.69	43.50	-21.81	36.29	16.04	1.77	32.46	0.05	-- -- Peak
3	272.50	21.00	46.00	-25.00	31.55	18.95	2.90	32.47	0.07	-- -- Peak
4	498.51	24.19	46.00	-21.81	28.90	23.90	3.91	32.64	0.12	-- -- Peak
5	743.92	29.13	46.00	-16.87	28.61	28.18	4.77	32.57	0.14	-- -- Peak
6	952.47	33.24	46.00	-12.76	27.49	31.35	5.40	31.20	0.20	-- -- Peak



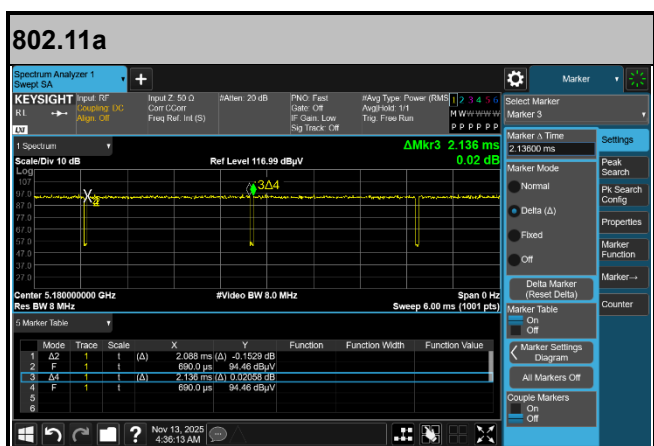
Mode	19																																																																																																																																													
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ANT	Chain B																																																																																																																																													
Pol.	Horizontal	Vertical																																																																																																																																												
Peak	Level (dBuV/m) Date: 2025-12-24 Site : 03CH21-HY Condition: PEAK(UNII) 1m BBHA9170_1223_250702 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>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</td><td>25810.99</td><td>39.83</td><td>68.20</td><td>-28.37</td><td>40.00</td><td>39.26</td><td>29.73</td><td>60.42</td><td>-9.54</td><td>--</td><td>--</td><td>PEAK</td></tr><tr><td>2</td><td>39352.11</td><td>50.63</td><td>74.00</td><td>-23.37</td><td>37.72</td><td>45.58</td><td>37.50</td><td>60.63</td><td>-9.54</td><td>--</td><td>--</td><td>PEAK</td></tr><tr><td>3</td><td>39352.11</td><td>40.57</td><td>54.00</td><td>-13.43</td><td>27.66</td><td>45.58</td><td>37.50</td><td>60.63</td><td>-9.54</td><td>--</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	dB	cm	deg	1	25810.99	39.83	68.20	-28.37	40.00	39.26	29.73	60.42	-9.54	--	--	PEAK	2	39352.11	50.63	74.00	-23.37	37.72	45.58	37.50	60.63	-9.54	--	--	PEAK	3	39352.11	40.57	54.00	-13.43	27.66	45.58	37.50	60.63	-9.54	--	--	Average	Level (dBuV/m) Date: 2025-12-24 Site : 03CH21-HY Condition: PEAK(UNII) 1m BBHA9170_1223_250702 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>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</td><td>24827.96</td><td>40.03</td><td>68.20</td><td>-28.17</td><td>41.07</td><td>39.60</td><td>29.10</td><td>60.20</td><td>-9.54</td><td>--</td><td>--</td><td>PEAK</td></tr><tr><td>2</td><td>39616.45</td><td>50.60</td><td>74.00</td><td>-23.40</td><td>37.90</td><td>45.14</td><td>37.65</td><td>60.55</td><td>-9.54</td><td>--</td><td>--</td><td>PEAK</td></tr><tr><td>3</td><td>39616.45</td><td>41.46</td><td>54.00</td><td>-12.54</td><td>28.76</td><td>45.14</td><td>37.65</td><td>60.55</td><td>-9.54</td><td>--</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	dB	cm	deg	1	24827.96	40.03	68.20	-28.17	41.07	39.60	29.10	60.20	-9.54	--	--	PEAK	2	39616.45	50.60	74.00	-23.40	37.90	45.14	37.65	60.55	-9.54	--	--	PEAK	3	39616.45	41.46	54.00	-12.54	28.76	45.14	37.65	60.55	-9.54	--	--	Average
		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																				
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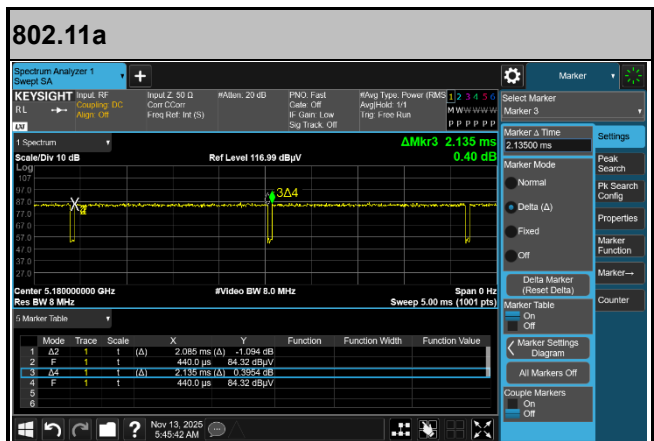
Appendix C. Duty Cycle Plots

Antenna	Band	Duty Cycle (%)	T(us)	1/T(kHz)	VBW Setting
Chain A	802.11a	97.75	2088	0.48	510Hz
Chain B	802.11a	97.66	2085	0.48	510Hz
Chain A+B	5GHz 802.11be EHT20 Full RU	98.51	-	-	10Hz
Chain A+B	5GHz 802.11be EHT80 Full RU	98.51	-	-	10Hz

<Chain A>



<Chain B>





<Chain A+B>

