FCC RADIO TEST REPORT

FCC ID	:	**ACJ9TGWL24B**
Equipment	:	**Radio Module**
Brand Name	:	**Panasonic**
Model Name	:	**WL24B**
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 Mar. 16, 2026 and testing was performed from Mar. 27, 2026 to May 06, 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 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
FR572320-03G	01	Initial issue of report	May 22, 2026

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
-	15.407(e)	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	6.92 dB under the limit at 730.34 MHz
-	15.207	AC Conducted Emission	Pass	See Note
3.3	15.203	Antenna Requirement	Pass	-

Note:

1. For host device, Radiated Spurious Emission is verified and complies with the limit in this test report.
2. For host device, the Conducted Output Power is no difference after compared to module (Model: Panasonic WL24B).

Conformity Assessment Condition:
1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account. 2. The measurement uncertainty please refer to each test result in the section “Measurement Uncertainty”.
Disclaimer:
The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Keven Cheng

Report Producer: 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: <Aux Ant. (Chain A)>: PIFA Antenna <Main Ant. (Chain B)>: PIFA Antenna

Antenna information		
5850 MHz ~ 5895 MHz	Peak Gain (dBi)	Main Ant. (Chain B): 2.29 dBi Aux Ant. (Chain A): 2.00 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 Personal Computer (Brand Name: Panasonic, Model Name: FZ-34 during test

1.1.1 Antenna Directional Gain

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 kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

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

Directional gain = $10*\log[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}]$ dBi

Where G1, G2….GN denote single antenna gain.

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

UNII-4	Chain Port 0 Chain A (dBi)	Chain Port 1 Chain B (dBi)	DG for Power (dBi)	DG for PSD (dBi)
	2.00	2.29	2.29	5.16

Calculation example:

If a device has two antenna, G_{Chain0}= 2.00 dBi; G_{Chain1}=2.29 dBi

Directional gain of power measurement = max(2.00, 2.29) + 0 = 2.29 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (2.00 dBi / 20) + 10^ (2.29 dBi / 20)] ^ 2 } / 2 }

= 5.16 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 03CH15-HY

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

FCC designation No.: TW3786

1.4 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC 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 KDB 291074 D02 EMC Measurement v01
- 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.

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).

b. 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 Laptop /Tablet/Convertible mode and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape) and accessory (Keyboard), 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

Frequency Band	Bandwidth	Channel	Frequency (MHz)	Note
5850-5895 MHz (U-NII-4)	20 MHz	169	5845	Straddle
		173	5865	
		177	5885	
	40 MHz	167	5835	Straddle
		175	5875	
	80 MHz	171	5855	Straddle
	160 MHz	163	5815	Straddle

Note: The channel noted with “straddle” spans 5.725-5.850 GHz and 5.850-5.895 GHz.

2.2 Test Mode

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

MIMO Mode

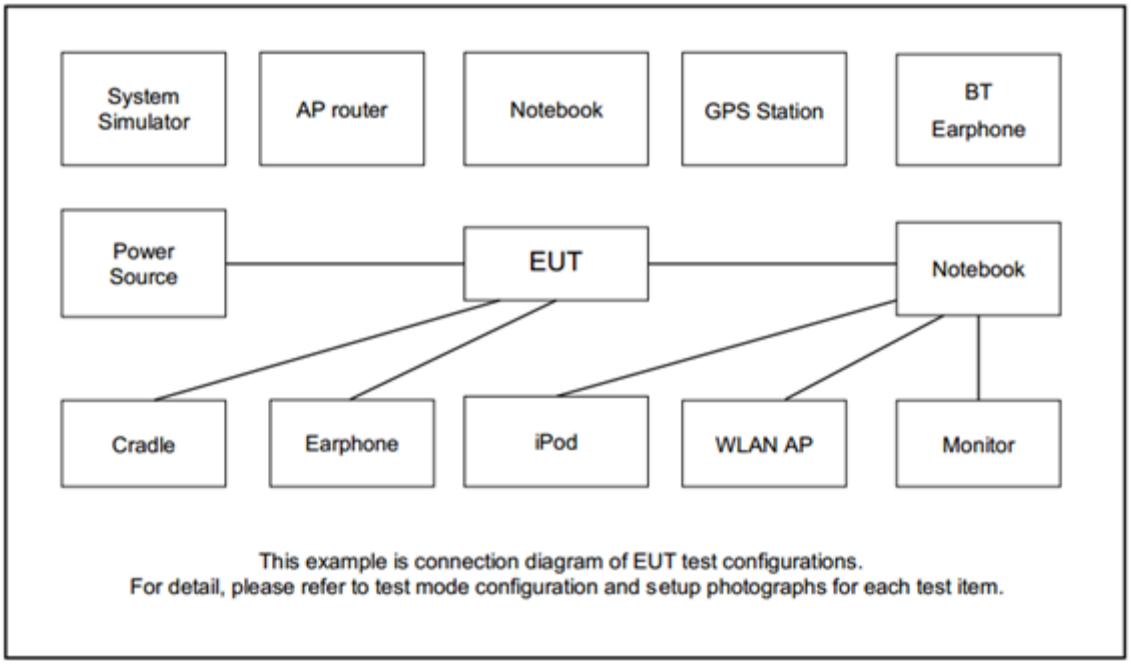
Modulation	Data Rate
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20 (Covered by HT20)	MCS0
802.11ac VHT40 (Covered by HT40)	MCS0
802.11ac VHT80	MCS0
802.11ac VHT160	MCS0
802.11ax HE20(Covered by EHT20)	MCS0
802.11ax HE40(Covered by EHT40)	MCS0
802.11ax HE80(Covered by EHT80)	MCS0
802.11ax HE160(Covered by EHT160)	MCS0
802.11be EHT20	MCS0
802.11be EHT40	MCS0
802.11be EHT80	MCS0
802.11be EHT160	MCS0

SISO Mode

Modulation	Data Rate
802.11a	6 Mbps
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
802.11ac VHT160	MCS0
802.11ax HE20(Covered by EHT20)	MCS0
802.11ax HE40(Covered by EHT40)	MCS0
802.11ax HE80(Covered by EHT80)	MCS0
802.11ax HE160(Covered by EHT160)	MCS0
802.11be EHT20	MCS0
802.11be EHT40	MCS0
802.11be EHT80	MCS0
802.11be EHT160	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.	ipod Earphone	Apple	A1285	Doc	N/A	UnShielded, 1.2m

2.5 EUT Operation Test Setup

The RF test items, utility “DRTU.09489.24.10.0” was installed in EUT 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 Maximum E.I.R.P Output Power Measurement

3.1.1 Limit of Maximum E.I.R.P Output Power

For client devices operating under the control of an indoor access point in the 5.850-5.895 GHz band, the maximum power spectral density must not exceed 14 dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm. Client devices operating on a channel that spans the 5.725-5.850 GHz and 5.850-5.895 GHz bands must not exceed an e.i.r.p. of 30 dBm.

3.1.2 Measuring Instruments

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

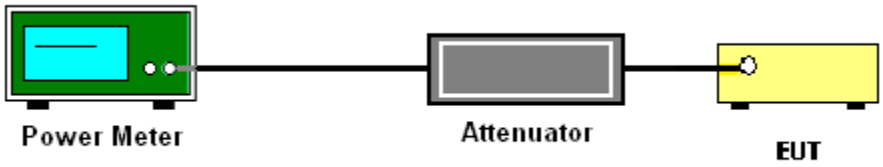
3.1.3 Test Procedures

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) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as the following 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.

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

(2) For transmitters operating solely in the 5.850-5.895 GHz band or operating on a channel that spans across 5.725-5.895 GHz:

15.407(b)(5)(ii), all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of −5 dBm/MHz and shall decrease linearly to an e.i.r.p. of −27 dBm/MHz at or above 5.925 GHz.

All emissions below 5.725 GHz shall not exceed an e.i.r.p. of −27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.

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

Use guidance in KDB Publication 789033 for all measurements. Unwanted emissions outside of restricted bands are measured with an RMS detector. In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit.

Unwanted band-edge emissions may be measured using the integration method as described in KDB Publication 789033 3. d) (ii). Emissions below 5725 MHz should be measured using peak-detection while emission above 5895 MHz should be measured using average.

Frequency(GHz)	EIRP (dBm)	Field Strength @3m distance (dBuV/m)	Note
Below 5.65	-27dBm/MHz	68.2	Peak
5.7	10dBm/MHz	105.2	Peak
5.72	15.6dBm/MHz	110.8	Peak
5.725	27dBm/MHz	122.2	Peak
5.895	-5dBm/MHz	90.2	Average
5.895	15dBm/MHz	110.2	Peak
Above 5.925	-27dBm/MHz	68.2	Average
Above 5.925	-7dBm/MHz	88.2	Peak

Note: Field strength at 3 m distance is converted to EIRP as the following equation:

EIRP[dBm] = E[dBμV/m]− 95.2

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 ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

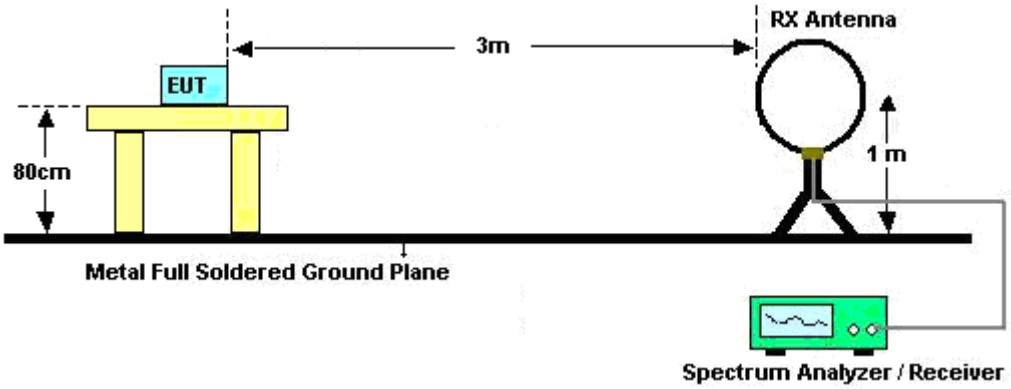
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 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.

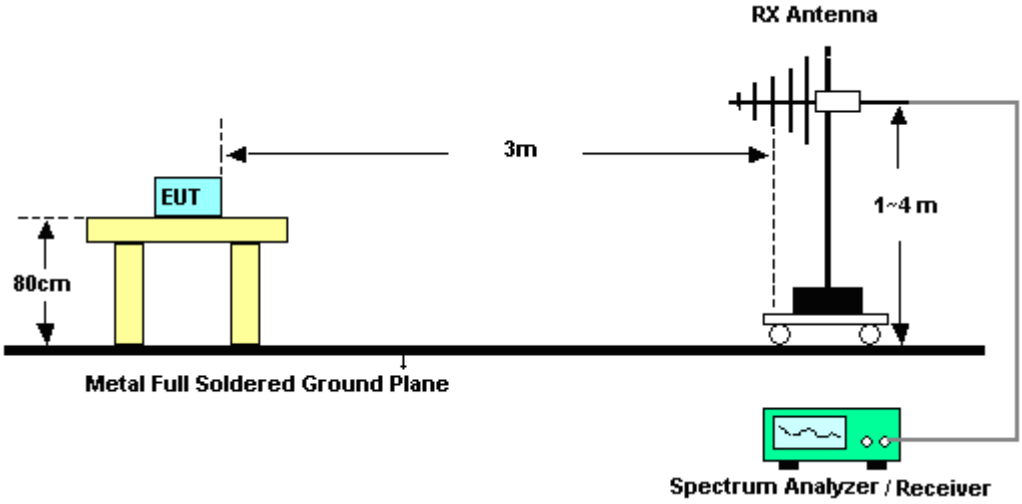
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT was placed at distance 3 meter from measurement antenna which was mounted on the top of a variable height antenna tower.
4. The measurement antenna 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.
5. For each suspected emission, the EUT was 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 1GHz was performed by adjusting the antenna tower from 1m to 4m and by rotating the turn table from 0 degree to 360 degree to find the peak maximum hold reading.
   When there is no suspected emission found and the emission level is with at least 6dB margin against QP limit line, the position is marked as "-".
7. Radiated testing above 1GHz was performed by adjusting the antenna tower from 1m to 4m and by rotating the turn table from 0 degree to 360 degree 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 6dB margin against average limit line, the position is marked as "-".

3.2.4 Test Setup

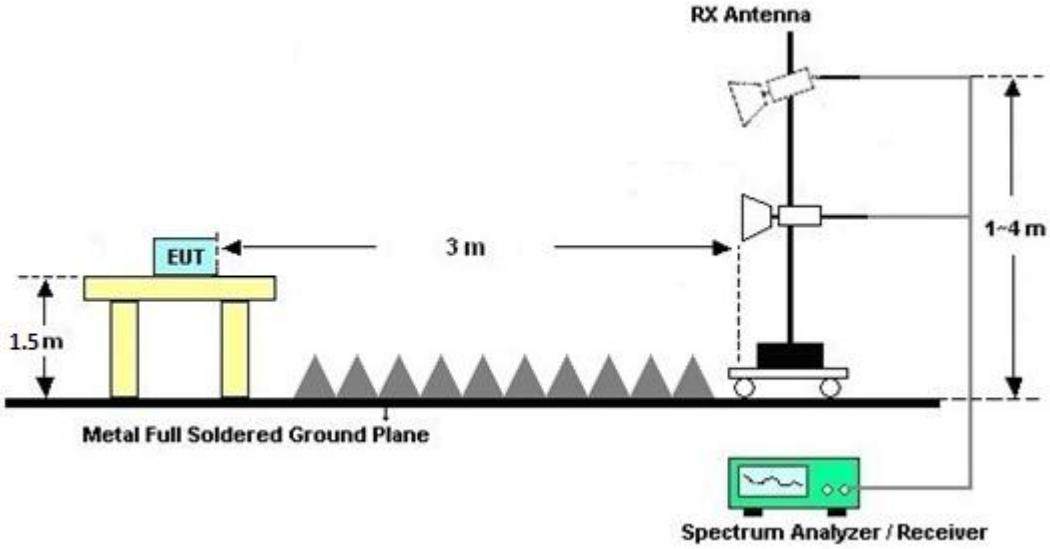
For radiated emissions below 30MHz



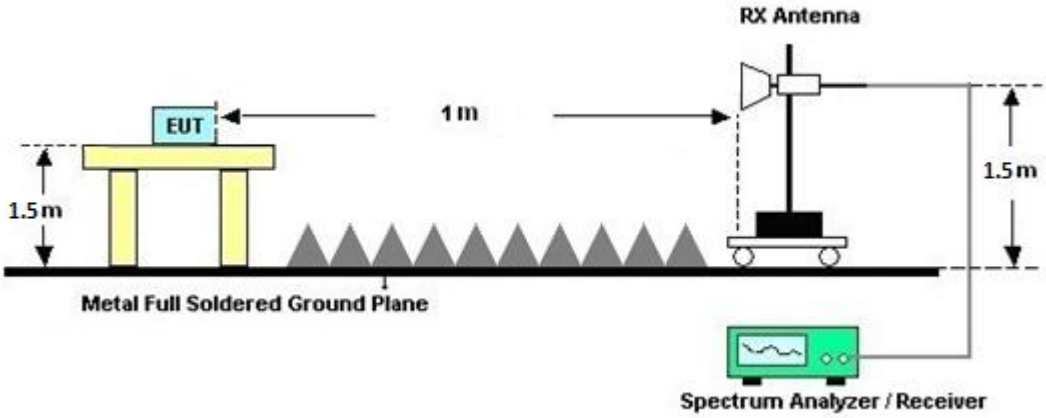
For radiated emissions from 30MHz to 1GHz



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 started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was 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 Results of Radiated Spurious Emissions (above 18 GHz)

For frequency above 18GHz, the pre-scanned result is 20dB lower than the limit line is not reported.

3.2.7 Test Result of Radiated Band Edges

Please refer to Appendix B.

3.2.8 Duty Cycle

Please refer to Appendix C.

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

Please refer to Appendix B.

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

Unique (non-standard) antenna connector.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 06, 2025	Apr,30 , 2026~ May,06 , 2026	Jun. 05, 2026	Radiation (03CH15-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Mar. 15, 2026	Apr,30 , 2026~ May,06 , 2026	Mar. 16, 2027	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	41912 & 05	30MHz~1GHz	Mar. 16, 2026	Apr,30 , 2026~ May,06 , 2026	Mar. 15, 2027	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1225	18GHz~40GHz	Jul. 02, 2025	Apr,30 , 2026~ May,06 , 2026	Jul. 01, 2026	Radiation (03CH15-HY)
Amplifier	EMEC	EM1G18G	060837	1GHz~18GHz	Feb. 11, 2026	Apr,30 , 2026~ May,06 , 2026	Feb. 10, 2027	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz~18GHz	Feb. 11, 2026	Apr,30 , 2026~ May,06 , 2026	Feb. 10, 2027	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM18G40G	060801	18GHz~40GHz	May. 26, 2025	Apr,30 , 2026~ May,06 , 2026	May. 25, 2026	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010B	MY60241058	10Hz~44Gz	Jul. 15, 2025	Apr,30 , 2026~ May,06 , 2026	Jul. 14, 2026	Radiation (03CH15-HY)
EMI Test Reveiver	Keysight	N9038A(MXE)	MY54130085	20Hz~8.4GHz	Oct. 15, 2025	Apr,30 , 2026~ May,06 , 2026	Oct. 14, 2026	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Apr,30 , 2026~ May,06 , 2026	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Apr,30 , 2026~ May,06 , 2026	N/A	Radiation (03CH15-HY)
Software	Audix	E3_V9_230621	RK-002394	N/A	N/A	Apr,30 , 2026~ May,06 , 2026	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY519228/2, 803950/2,508407/2E	30MHz~40GHz	Sep. 24, 2025	Apr,30 , 2026~ May,06 , 2026	Sep. 23, 2026	Radiation (03CH15-HY)
Hygrometer	TECPEL	DTM-302	SN2	N/A	Aug. 26, 2025	Apr,30 , 2026~ May,06 , 2026	Aug. 25, 2026	Radiation (03CH15-HY)
Filter	wright	WHKX8-5872.5-6750-18000-40ST	SN6	6.75GHz High Pass Filter	Jun. 03, 2025	Apr,30 , 2026~ May,06 , 2026	Jun. 02, 2026	Radiation (03CH15-HY)
Filter	wright	WHKX6-7268-9200-26500-40CD	SN2	9GHz High Pass Filter	May. 21, 2025	Apr,30 , 2026~ May,06 , 2026	May. 20, 2026	Radiation (03CH15-HY)
Filter	wright	WLJ4-1000-1530-6000-40ST	SN4	1.53GHz Low Pass Filter	Jun. 03, 2025	Apr,30 , 2026~ May,06 , 2026	Jun. 02, 2026	Radiation (03CH15-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 04, 2025	Mar. 27, 2026 Apr. 07, 2026	Nov. 03, 2026	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO37 (NO:167)	10MHz~6GHz	Nov. 14, 2025	Mar. 27, 2026 Apr. 07, 2026	Nov. 13, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 29, 2025	Mar. 27, 2026 Apr. 07, 2026	Aug. 28, 2026	Conducted (TH05-HY)
Switch Control Mainframe	E-Instument	ETF-1405-0	EC1900067 (BOX7)	N/A	Jul. 02, 2025	Mar. 27, 2026 Apr. 07, 2026	Jul. 01, 2026	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_version_240513	N/A	Conducted Other Test Item	N/A	Mar. 27, 2026 Apr. 07, 2026	N/A	Conducted (TH05-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))	6.5 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.3 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.5 dB

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.9 dB

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Cheng Huang	Temperature:	21~25	°C
Test Date:	2026/03/27~2026/04/07	Relative Humidity:	51~54	%

TEST RESULTS DATA
Average Power Table

UNII-4 single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	
					ChainA	ChainB	SUM	ChainA	ChainB	ChainA	ChainB	ChainA	ChainB
11a	6Mbps	1	169	5845	8.27	8.33		2.00	2.29	10.27	10.62	30	30
11a	6Mbps	1	173	5865	8.28	8.68		2.00	2.29	10.28	10.97	30	30
11a	6Mbps	1	177	5885	8.65	8.48		2.00	2.29	10.65	10.77	30	30
HT20	MCS0	1	169	5845	8.18	8.32		2.00	2.29	10.18	10.61	30	30
HT20	MCS0	1	173	5865	8.26	8.19		2.00	2.29	10.26	10.48	30	30
HT20	MCS0	1	177	5885	8.08	8.50		2.00	2.29	10.08	10.79	30	30
HT40	MCS0	1	167	5835	8.52	8.27		2.00	2.29	10.52	10.56	30	30
HT40	MCS0	1	175	5875	8.34	8.38		2.00	2.29	10.34	10.67	30	30
VHT20	MCS0	1	169	5845	8.28	8.42		2.00	2.29	10.28	10.71	30	30
VHT20	MCS0	1	173	5865	8.36	8.29		2.00	2.29	10.36	10.58	30	30
VHT20	MCS0	1	177	5885	8.18	8.60		2.00	2.29	10.18	10.89	30	30
VHT40	MCS0	1	167	5835	8.62	8.37		2.00	2.29	10.62	10.66	30	30
VHT40	MCS0	1	175	5875	8.44	8.48		2.00	2.29	10.44	10.77	30	30
VHT80	MCS0	1	171	5855	8.53	8.31		2.00	2.29	10.53	10.60	30	30
VHT160	MCS0	1	163	5815	8.56	8.41		2.00	2.29	10.56	10.70	30	30

UNII-4 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	
					ChainA	ChainB	SUM	ChainA	ChainB	ChainA	ChainB	ChainA	ChainB
HT20	MCS0	2	169	5845	8.06	8.14	11.11	2.29		13.40		30	
HT20	MCS0	2	173	5865	8.18	8.54	11.37	2.29		13.66		30	
HT20	MCS0	2	177	5885	7.48	8.35	10.95	2.29		13.24		30	
HT40	MCS0	2	167	5835	7.93	8.14	11.05	2.29		13.34		30	
HT40	MCS0	2	175	5875	7.75	8.29	11.04	2.29		13.33		30	
VHT20	MCS0	2	169	5845	8.16	8.24	11.21	2.29		13.50		30	
VHT20	MCS0	2	173	5865	8.28	8.64	11.47	2.29		13.76		30	
VHT20	MCS0	2	177	5885	7.58	8.45	11.05	2.29		13.34		30	
VHT40	MCS0	2	167	5835	8.03	8.24	11.15	2.29		13.44		30	
VHT40	MCS0	2	175	5875	7.85	8.39	11.14	2.29		13.43		30	
VHT80	MCS0	2	171	5855	7.97	8.23	11.11	2.29		13.40		30	
VHT160	MCS0	2	163	5815	7.86	8.22	11.05	2.29		13.34		30	

TEST RESULTS DATA
Average Power Table

UNII-4 single antenna														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	
						ChainA	ChainB	SUM	ChainA	ChainB	ChainA	ChainB	ChainA	ChainB
EHT20	MCS0	1	169	5845	Full	8.38	8.52		2.00	2.29	10.38	10.81	30	30
EHT20	MCS0	1	173	5865	Full	8.46	8.39		2.00	2.29	10.46	10.68	30	30
EHT20	MCS0	1	177	5885	Full	8.28	8.70		2.00	2.29	10.28	10.99	30	30
EHT40	MCS0	1	167	5835	Full	8.72	8.47		2.00	2.29	10.72	10.76	30	30
EHT40	MCS0	1	175	5875	Full	8.54	8.58		2.00	2.29	10.54	10.87	30	30
EHT80	MCS0	1	171	5855	Full	8.63	8.41		2.00	2.29	10.63	10.70	30	30
EHT160	MCS0	1	163	5815	Full	8.66	8.51		2.00	2.29	10.66	10.80	30	30

UNII-4 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	
						ChainA	ChainB	SUM	ChainA	ChainB	ChainA	ChainB	ChainA	ChainB
EHT20	MCS0	2	169	5845	Full	8.26	8.34	11.31	2.29		13.60		30	
EHT20	MCS0	2	173	5865	Full	8.38	8.74	11.57	2.29		13.86		30	
EHT20	MCS0	2	177	5885	Full	7.68	8.55	11.15	2.29		13.44		30	
EHT40	MCS0	2	167	5835	Full	8.13	8.34	11.25	2.29		13.54		30	
EHT40	MCS0	2	175	5875	Full	7.95	8.49	11.24	2.29		13.53		30	
EHT80	MCS0	2	171	5855	Full	8.07	8.33	11.21	2.29		13.50		30	
EHT160	MCS0	2	163	5815	Full	7.96	8.32	11.15	2.29		13.44		30	

Appendix B. Radiated Spurious Emission Test Data

Test Engineer :	Sam Pan, Quentin Liu, Bigshow Wang	**Temperature :**	21.6 ~ 21.9°C
		Relative Humidity :	56 ~ 59 %

Note symbol

-L	**Low channel location**
-R	**High channel location**

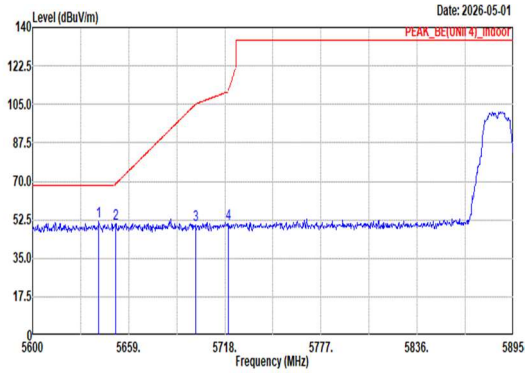
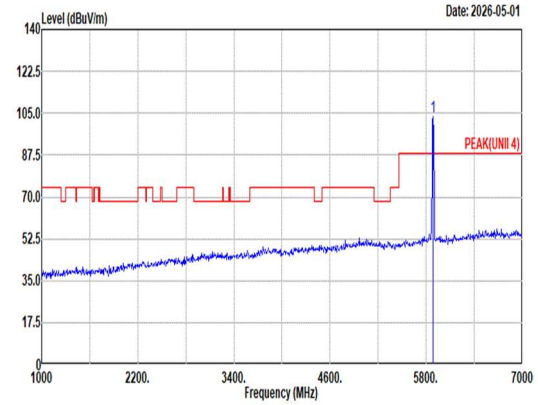
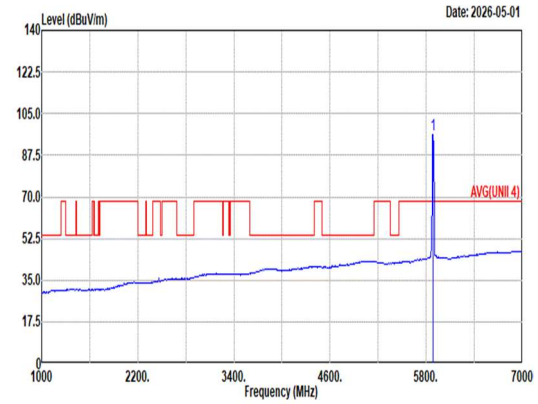
B1. Radiated Spurious Emission Test Modes

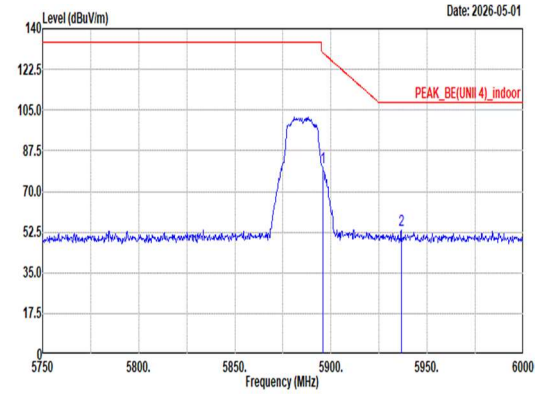
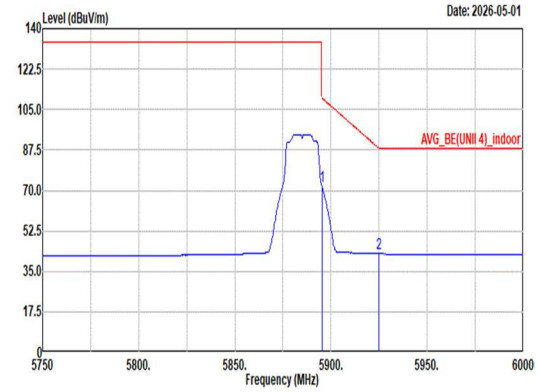
Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 18	U-NII-4	5.85-5.895	Chain A	802.11a	177	5885	MCS0	-	-
Mode 19	U-NII-4	5.85-5.895	Chain B	802.11a	177	5885	MCS0	-	-
Mode 20	U-NII-4	5.85-5.895	Chain A+B	802.11be EHT20	173	5865	MCS0	Full RU	-
Mode 21	U-NII-4	5.85-5.895	Chain A+B	802.11be EHT20	177	5885	MCS0	Full RU	-
Mode 22	U-NII-4	5.85-5.895	Chain A+B	802.11be EHT160	163	5815	MCS0	Full RU	-
Mode 99	U-NII-4	5.85-5.895	Chain A+B	802.11be EHT160	163	5815	MCS0	Full RU	LF
Mode 100	U-NII-4	5.85-5.895	Chain A+B	802.11be EHT160	163	5815	MCS0	Full RU	SHF

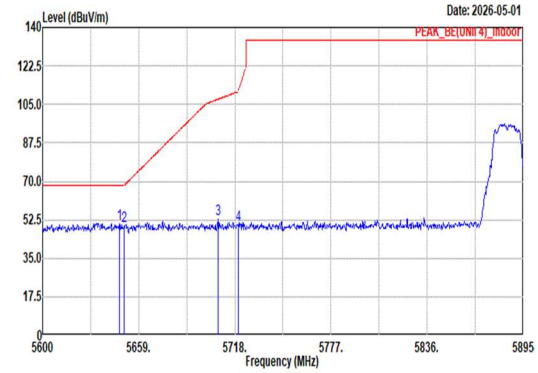
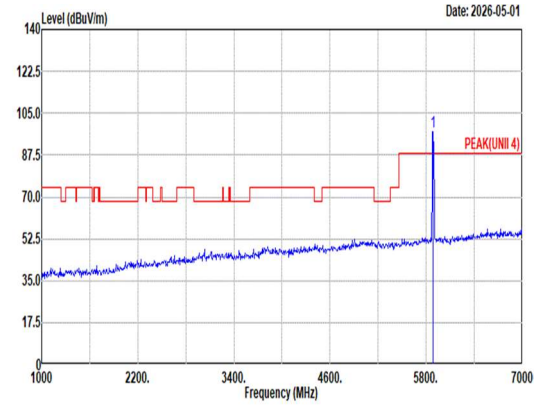
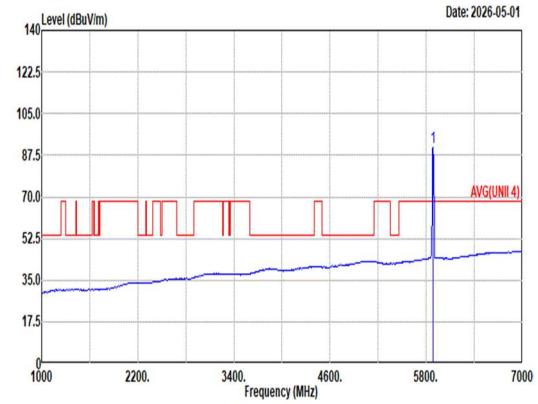
B2.Summary of each worse mode

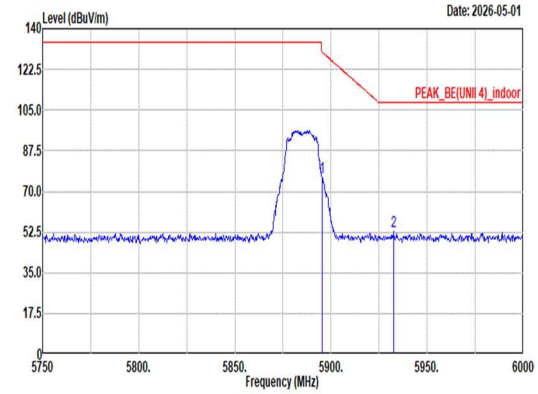
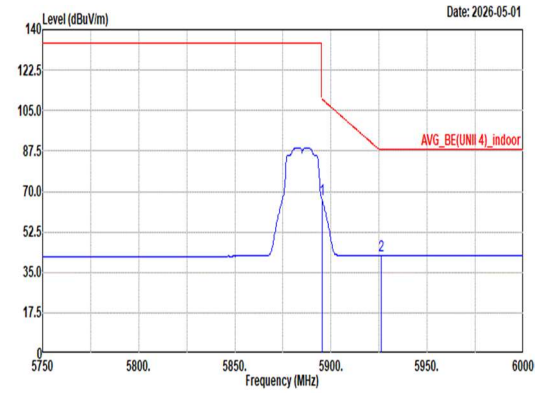
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
18	802.11a	177	5640.71	51.58	68.20	-16.62	H	Peak	Pass	-	Band Edge
	802.11a	177	11770.00	38.42	54.00	-15.58	H	Avg.	Pass	-	Harmonic
19	802.11a	177	5648.68	51.12	68.20	-17.08	V	Peak	Pass	-	Band Edge
	802.11a	177	17655.00	48.68	68.20	-19.52	V	Peak	Pass	-	Harmonic
20	802.11be EHT20	173	-	-	-	-	-	-	-	Full RU	Band Edge
	802.11be EHT20	173	17595.00	49.61	68.20	-18.59	H	Peak	Pass	Full RU	Harmonic
21	802.11be EHT20	177	5635.11	51.00	68.20	-17.20	V	Peak	Pass	Full RU	Band Edge
	802.11be EHT20	177	-	-	-	-	-	-	-	Full RU	Harmonic
22	802.11be EHT160	163	5644.55	52.30	68.20	-15.90	V	Peak	Pass	Full RU	Band Edge
	802.11be EHT160	163	-	-	-	-	-	-	-	Full RU	Harmonic

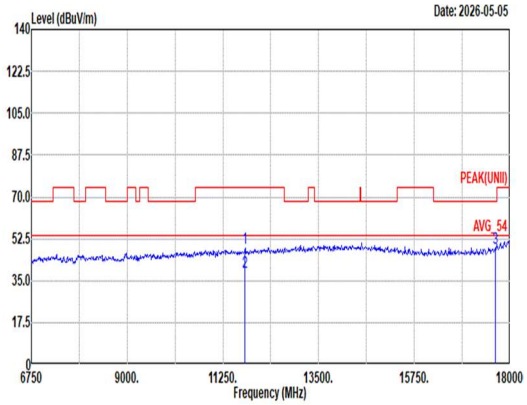
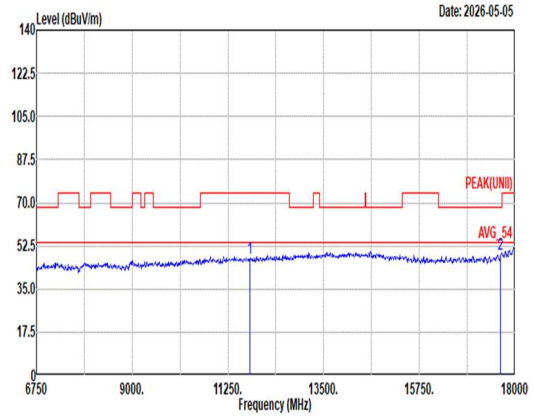
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
99	LF	163	730.34	39.08	46.00	-6.92	V	Peak	Pass	-	LF
100	SHF	163	39765.45	45.66	74.00	-28.34	V	Peak	Pass	-	SHF

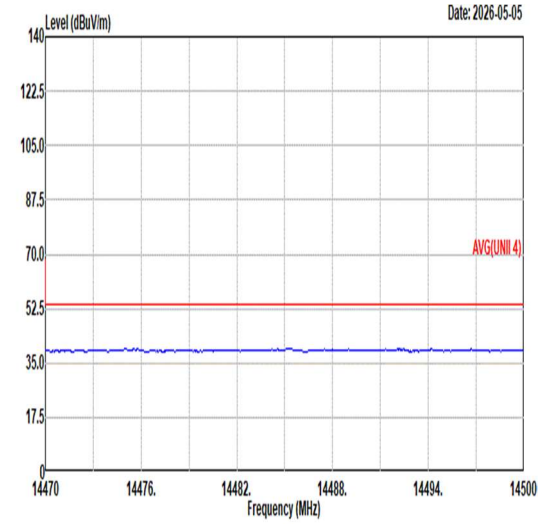
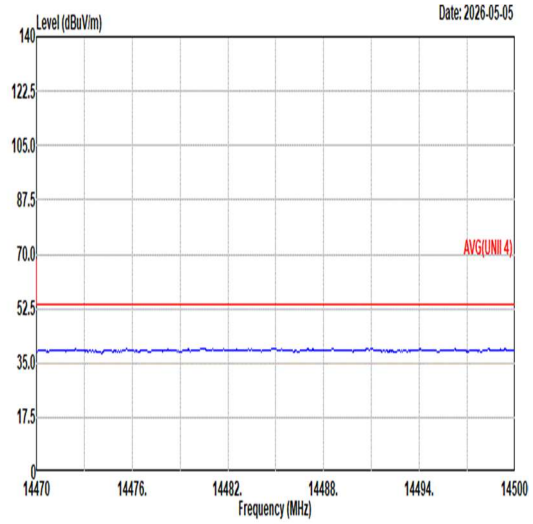
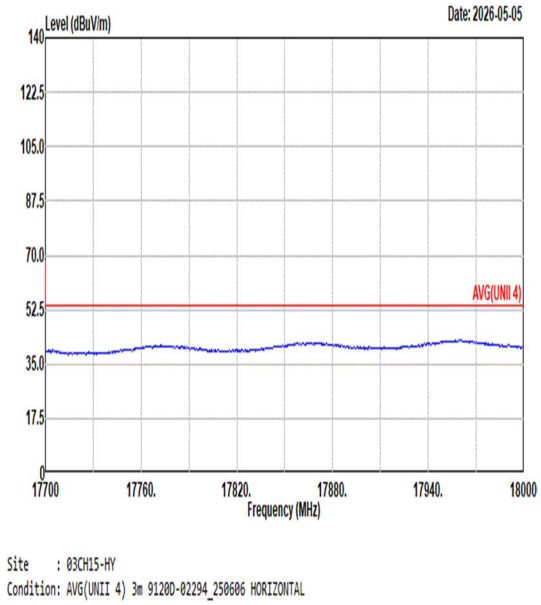
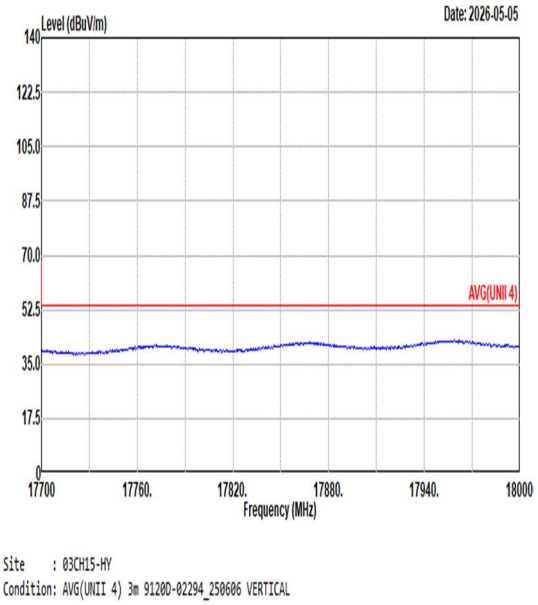
Mode	18	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	Chain A	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5640.71 51.58 68.20 -16.62 42.07 33.14 13.24 36.87 0.00 234 81 Peak 2 5651.04 50.55 68.97 -18.42 40.96 33.21 13.25 36.87 0.00 234 81 Peak 3 5700.01 50.07 105.20 -55.13 39.90 33.70 13.33 36.86 0.00 234 81 Peak 4 5720.07 50.75 110.95 -60.20 40.48 33.78 13.35 36.86 0.00 234 81 Peak	 Site : 03CH15-HY Condition: PEAK(UNII 4) 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5885.00 103.74 ------ ------ 92.70 34.24 13.63 36.83 0.00 234 81 Peak
Avg	Blank	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5885.00 96.26 ------ ------ 85.19 34.26 13.64 36.83 0.00 234 81 Average

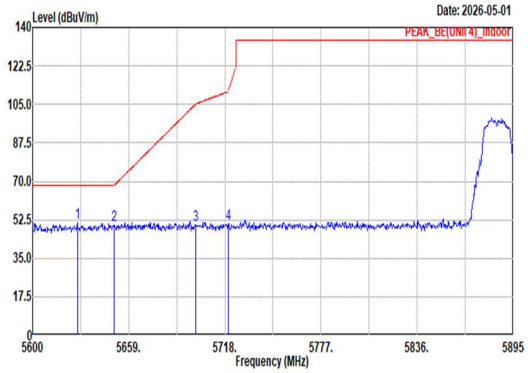
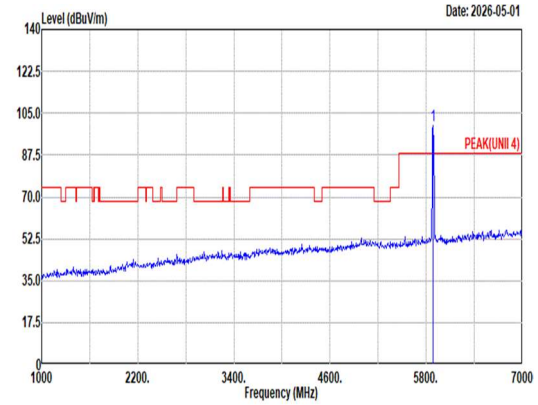
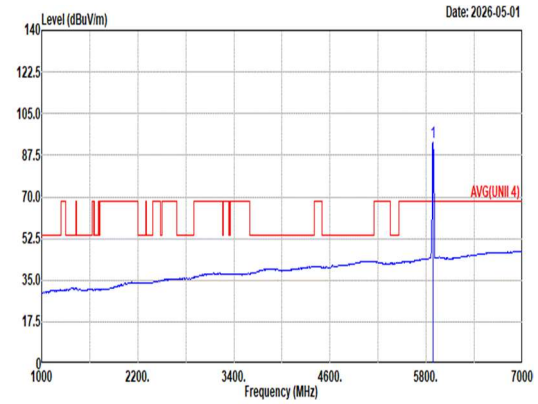
Mode	18	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	Chain A	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5895.75 80.47 129.65 -49.18 69.37 34.28 13.65 36.83 0.00 234 81 Peak 2 5936.50 53.21 108.20 -54.99 42.08 34.23 13.72 36.82 0.00 234 81 Peak	Blank
Avg	 Site : 03CH15-HY Condition: AVG_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT: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 deg 1 5895.25 72.04 110.02 -37.98 60.94 34.28 13.65 36.83 0.00 234 81 Average 2 5925.00 42.63 88.20 -45.57 31.50 34.25 13.70 36.82 0.00 234 81 Average	Blank

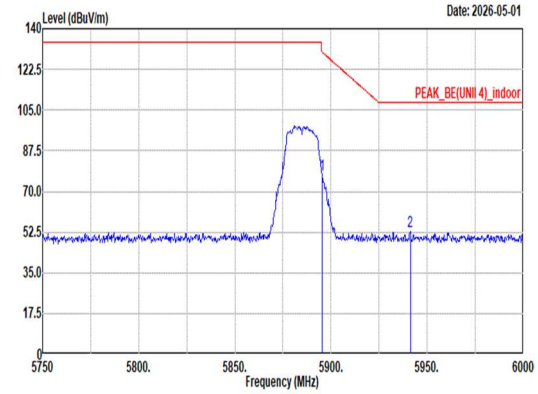
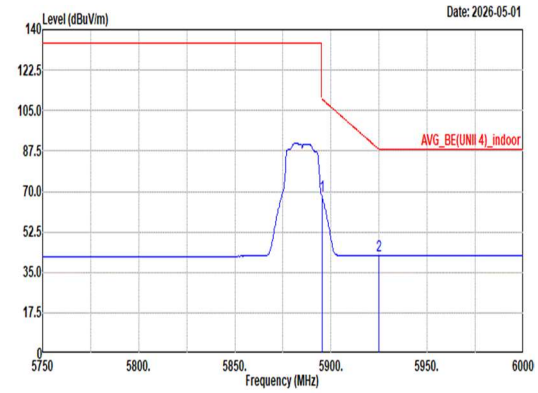
Mode	18	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	Chain A	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5647.20 50.88 68.20 -17.32 41.32 33.18 13.25 36.87 0.00 305 6 Peak 2 5650.15 49.46 68.31 -18.85 39.88 33.20 13.25 36.87 0.00 305 6 Peak 3 5707.68 52.72 107.35 -54.63 42.51 33.73 13.34 36.86 0.00 305 6 Peak 4 5720.07 50.09 110.95 -60.86 39.82 33.78 13.35 36.86 0.00 305 6 Peak	 Site : 03CH15-HY Condition: PEAK(UNII 4) 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5885.00 97.36 ------ ------ 86.37 34.21 13.61 36.83 0.00 305 6 Peak
Avg	Blank	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5885.00 90.66 ------ ------ 79.62 34.24 13.63 36.83 0.00 305 6 Average

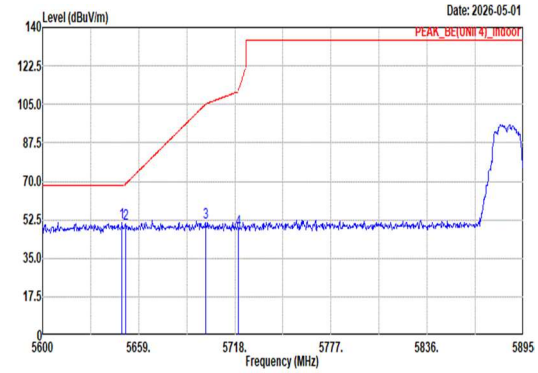
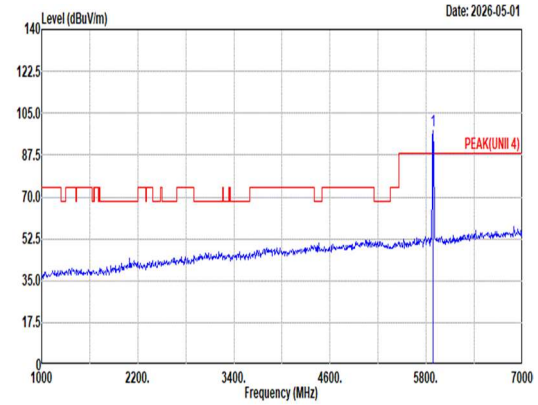
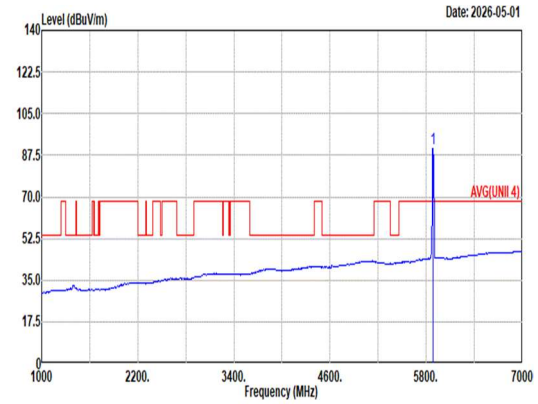
Mode	18	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	Chain A	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5895.25 76.24 130.02 -53.78 65.14 34.28 13.65 36.83 0.00 305 6 Peak 2 5932.75 52.95 108.20 -55.25 41.82 34.23 13.72 36.82 0.00 305 6 Peak	Blank
Avg	 Site : 03CH15-HY Condition: AVG_BE(UNII 4)_indoor 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT: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 deg 1 5895.25 66.81 110.02 -43.21 55.71 34.28 13.65 36.83 0.00 305 6 Average 2 5926.25 42.26 88.20 -45.94 31.13 34.25 13.70 36.82 0.00 305 6 Average	Blank

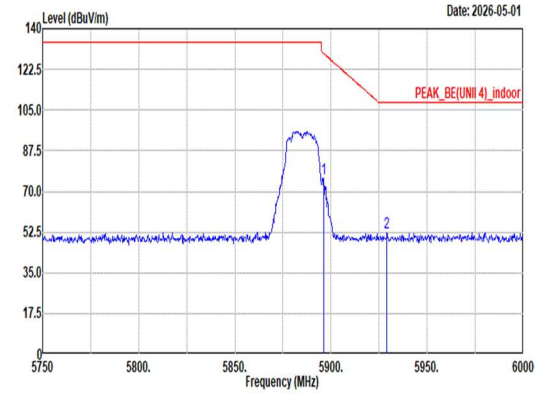
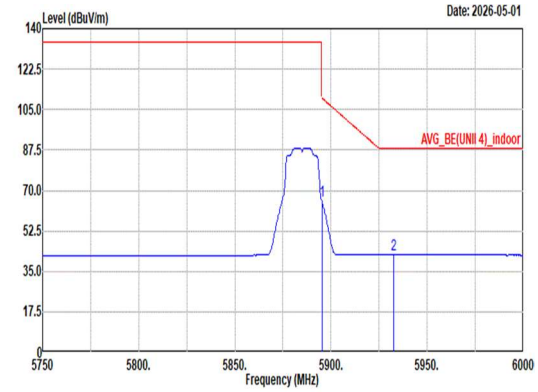
Mode	18	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	Chain A	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_250606 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11770.00 48.41 74.00 -25.59 47.24 38.87 19.59 57.84 0.55 -- -- Peak 2 11770.00 38.42 54.00 -15.58 37.25 38.87 19.59 57.84 0.55 -- -- Average 3 17655.00 48.65 68.20 -19.55 44.25 39.38 24.17 59.59 0.44 -- -- Peak	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_250606 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11770.00 47.32 74.00 -26.68 46.15 38.87 19.59 57.84 0.55 -- -- Peak 2 17655.00 49.22 68.20 -18.98 44.82 39.38 24.17 59.59 0.44 -- -- Peak

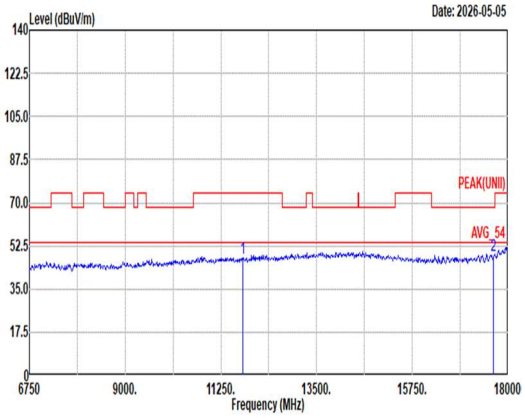
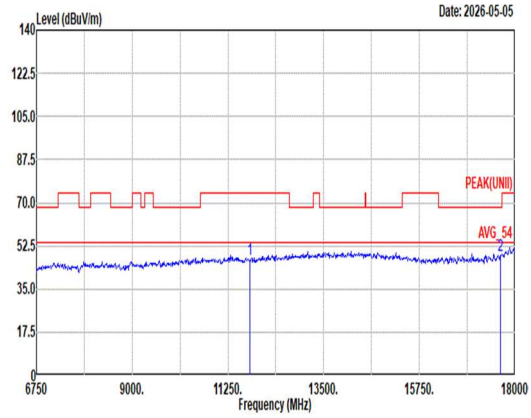
Mode	18	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	Chain A	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg		
17.7G ~18G Avg		

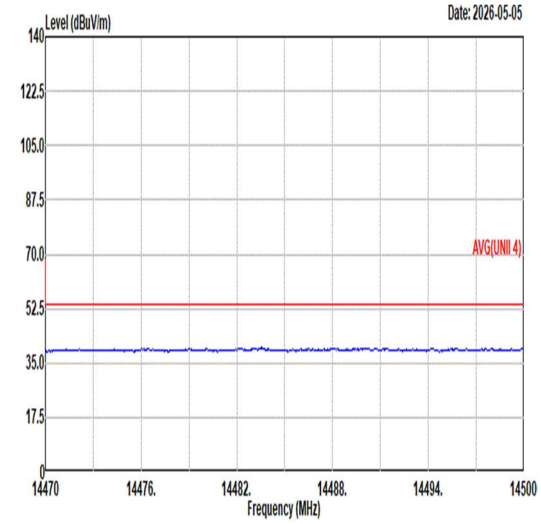
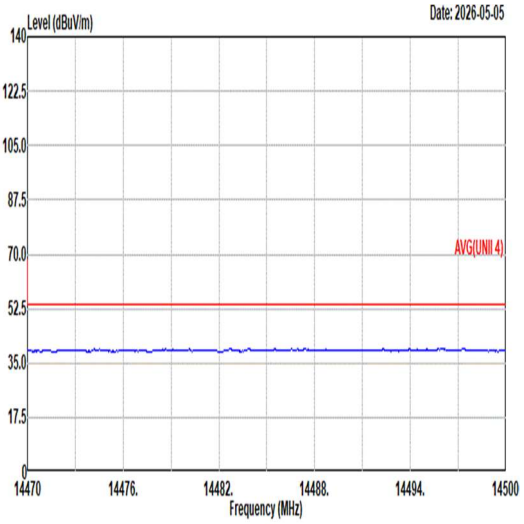
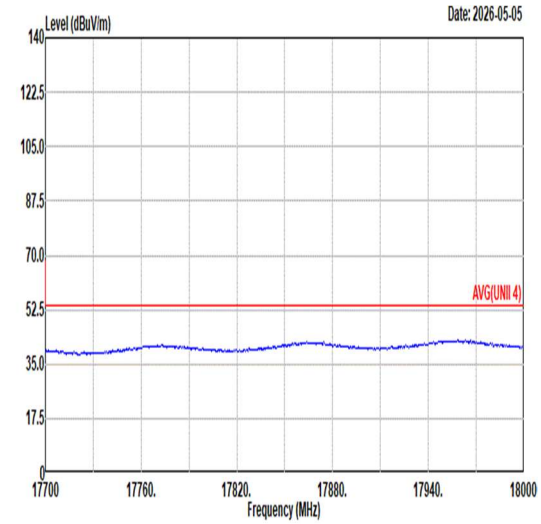
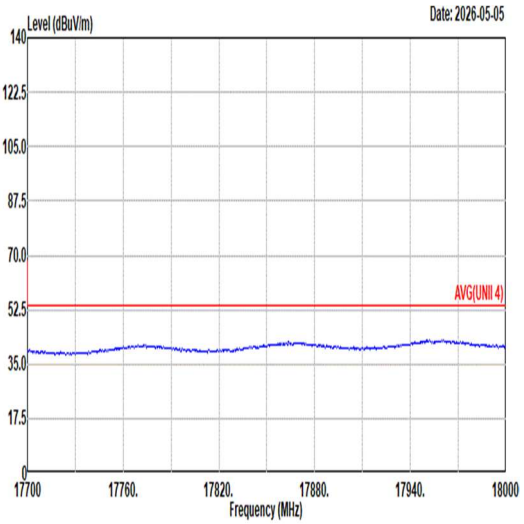
Mode	19	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	Chain B	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5627.44 51.02 68.20 -17.18 41.62 33.06 13.22 36.88 0.00 200 195 Peak 2 5650.15 50.23 68.31 -18.08 40.65 33.20 13.25 36.87 0.00 200 195 Peak 3 5700.30 50.25 105.28 -55.03 40.08 33.70 13.33 36.86 0.00 200 195 Peak 4 5720.07 50.48 110.95 -60.47 40.21 33.78 13.35 36.86 0.00 200 195 Peak	 Site : 03CH15-HY Condition: PEAK(UNII 4) 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5885.00 99.63 ------ ------ 88.59 34.24 13.63 36.83 0.00 200 195 Peak
Avg	Blank	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5885.00 92.72 ------ ------ 81.68 34.24 13.63 36.83 0.00 200 195 Average

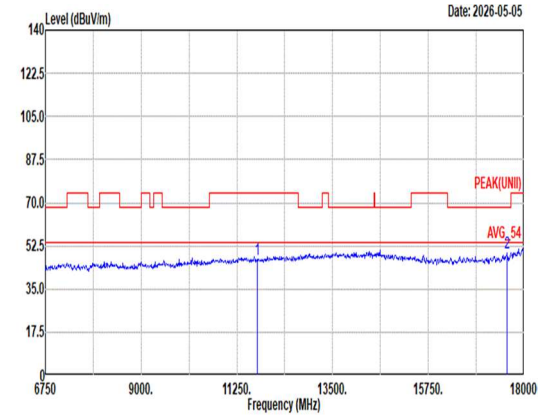
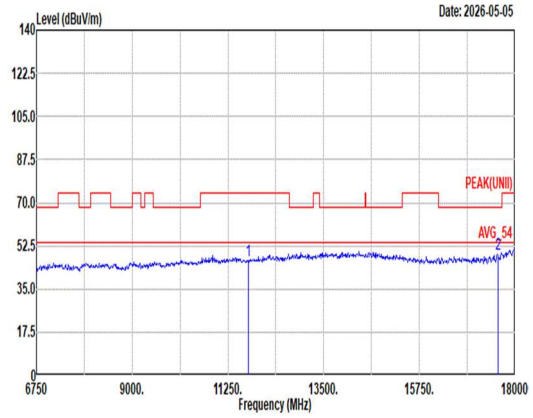
Mode	19	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	Chain B	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5895.50 76.87 129.83 -52.96 65.77 34.28 13.65 36.83 0.00 200 195 Peak 2 5941.25 52.70 108.20 -55.50 41.57 34.22 13.73 36.82 0.00 200 195 Peak	Blank
Avg	 Site : 03CH15-HY Condition: AVG_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT: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 deg 1 5895.25 68.06 110.02 -41.96 56.96 34.28 13.65 36.83 0.00 200 195 Average 2 5925.00 42.16 88.20 -46.04 31.03 34.25 13.70 36.82 0.00 200 195 Average	Blank

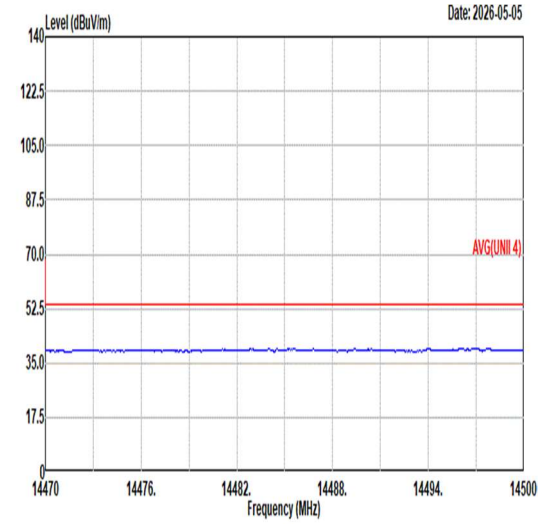
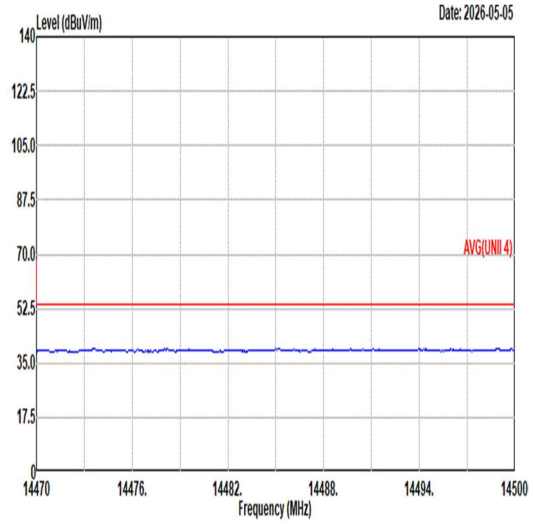
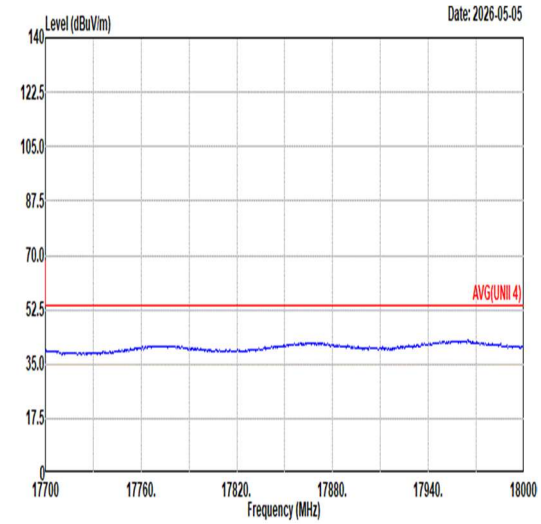
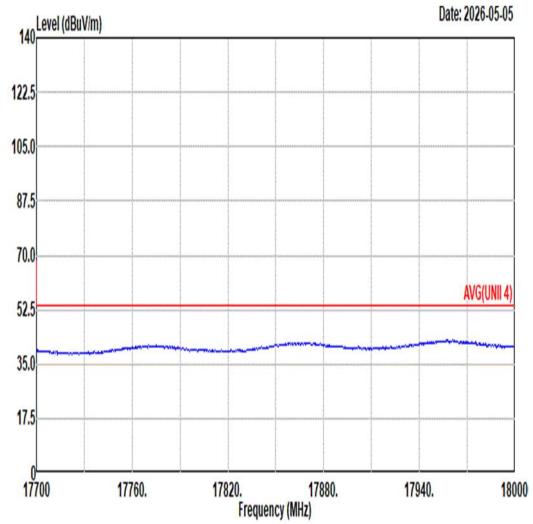
Mode	19	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	Chain B	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5648.68 51.12 68.20 -17.08 41.55 33.19 13.25 36.87 0.00 200 96 Peak 2 5651.04 50.60 68.97 -18.37 41.01 33.21 13.25 36.87 0.00 200 96 Peak 3 5700.30 51.12 105.28 -54.16 40.95 33.70 13.33 36.86 0.00 200 96 Peak 4 5720.07 48.24 110.95 -62.71 37.97 33.78 13.35 36.86 0.00 200 96 Peak	 Site : 03CH15-HY Condition: PEAK(UNII 4) 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5885.00 97.67 ------ ------ 86.63 34.24 13.63 36.83 0.00 200 96 Peak
Avg	Blank	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5885.00 90.29 ------ ------ 79.25 34.24 13.63 36.83 0.00 200 96 Average

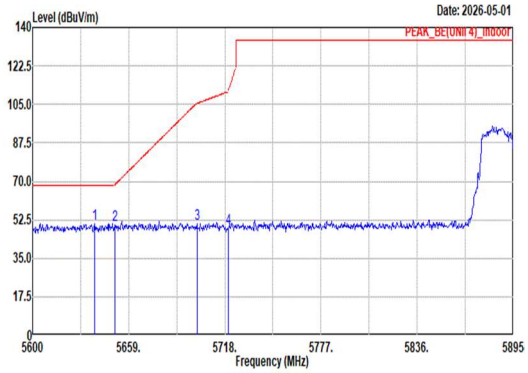
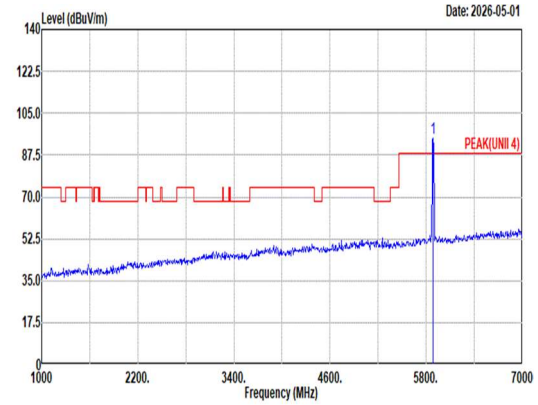
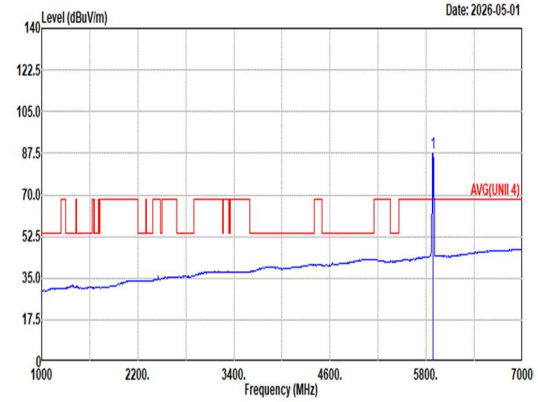
Mode	19	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	Chain B	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5896.25 75.44 129.28 -53.84 64.34 34.28 13.65 36.83 0.00 200 96 Peak 2 5929.00 52.25 108.20 -55.95 41.12 34.24 13.71 36.82 0.00 200 96 Peak	Blank
Avg	 Site : 03CH15-HY Condition: AVG_BE(UNII 4)_indoor 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT: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 deg 1 5895.25 65.48 110.02 -44.54 54.38 34.28 13.65 36.83 0.00 200 96 Average 2 5932.75 42.13 88.20 -46.07 31.00 34.23 13.72 36.82 0.00 200 96 Average	Blank

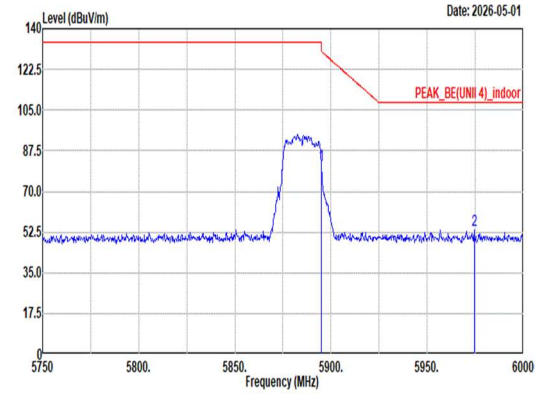
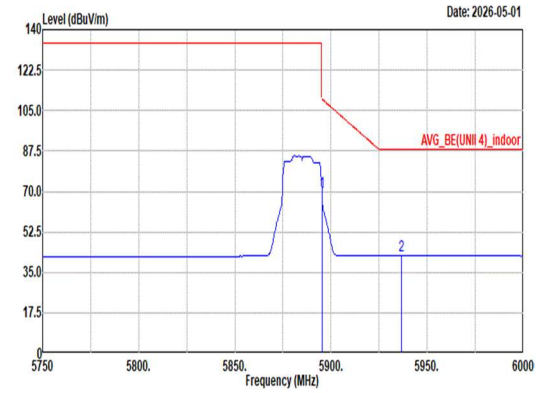
Mode	19	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	Chain B	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_250606 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11770.00 47.64 74.00 -26.36 46.47 38.87 19.59 57.84 0.55 -- -- Peak 2 17655.00 48.51 68.20 -19.69 44.11 39.38 24.17 59.59 0.44 -- -- Peak	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_250606 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11770.00 46.79 74.00 -27.21 45.62 38.87 19.59 57.84 0.55 -- -- Peak 2 17655.00 48.68 68.20 -19.52 44.28 39.38 24.17 59.59 0.44 -- -- Peak

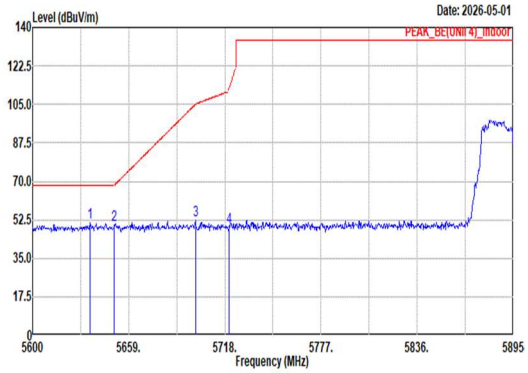
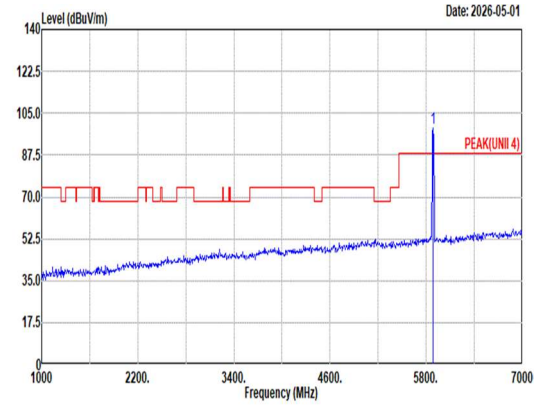
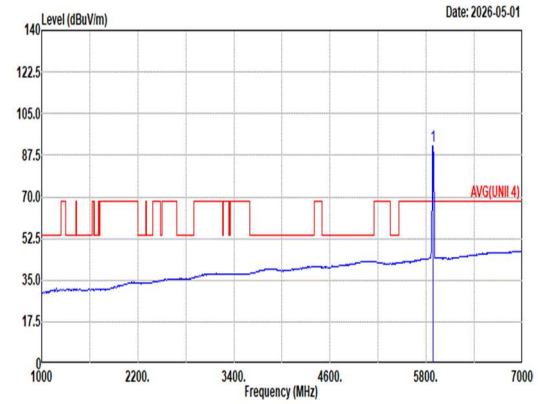
Mode	19	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	Chain B	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 HORIZONTAL	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 VERTICAL
17.7G ~18G Avg	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 HORIZONTAL	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 VERTICAL

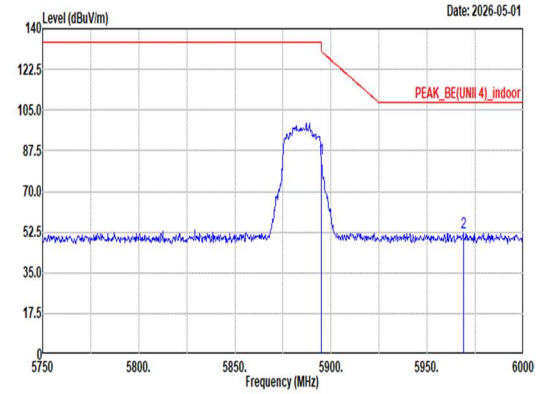
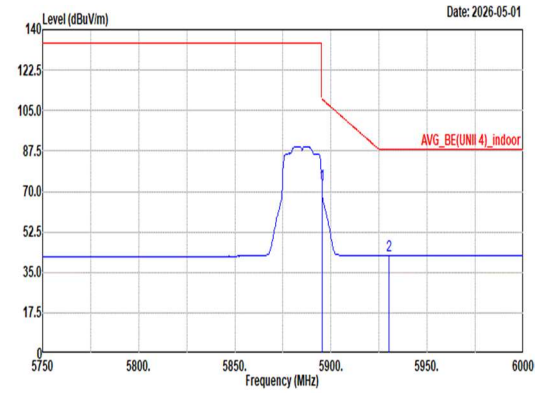
Mode	20	
	Harmonic	
	U-NII-4_5.85-5.895_802.11be EHT20_CH173_Full RU_5865MHz	
ANT	Chain A+B	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_250606 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11730.00 47.06 74.00 -26.94 46.00 38.83 19.55 57.87 0.55 -- -- Peak 2 17595.00 49.61 68.20 -18.59 45.74 39.08 24.13 59.78 0.44 -- -- Peak	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_250606 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11730.00 46.36 74.00 -27.64 45.30 38.83 19.55 57.87 0.55 -- -- Peak 2 17595.00 48.87 68.20 -19.33 45.00 39.08 24.13 59.78 0.44 -- -- Peak

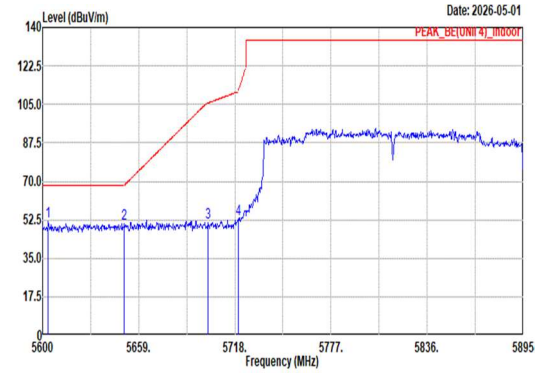
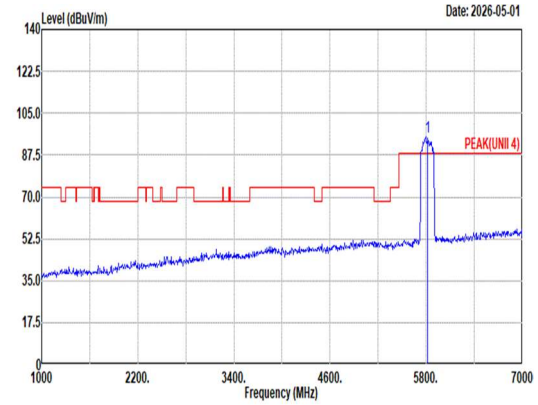
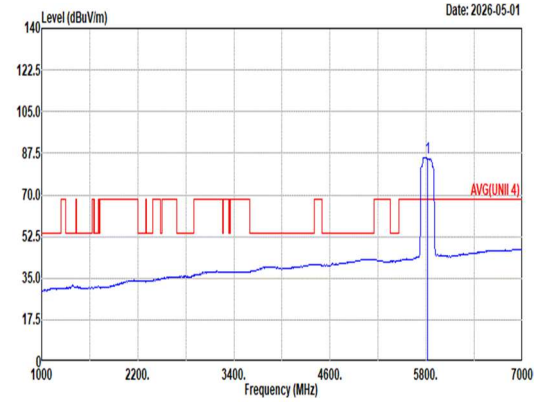
Mode	20	
	Harmonic	
	U-NII-4_5.85-5.895_802.11be EHT20_CH173_Full RU_5865MHz	
ANT	Chain A+B	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 HORIZONTAL	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 VERTICAL
17.7G ~18G Avg	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 HORIZONTAL	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 VERTICAL

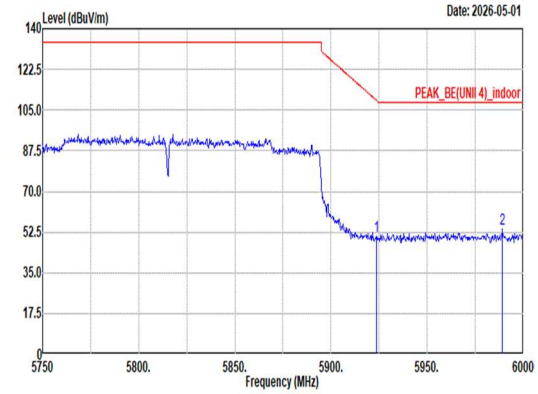
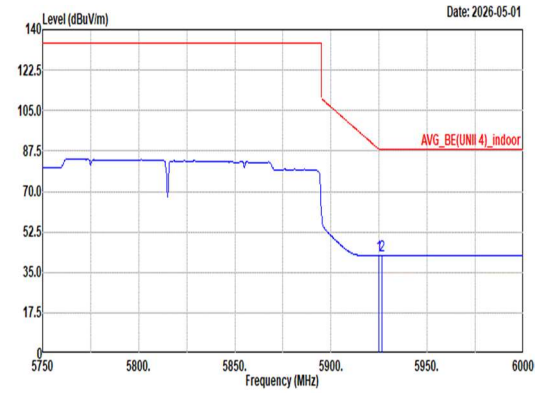
Mode	21	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11be EHT20_CH177_Full RU_5885MHz	
ANT	Chain A+B	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5638.06 50.92 68.20 -17.28 41.43 33.13 13.24 36.88 0.00 200 308 Peak 2 5650.45 50.20 68.53 -18.33 40.62 33.20 13.25 36.87 0.00 200 308 Peak 3 5700.89 50.48 105.45 -54.97 40.31 33.70 13.33 36.86 0.00 200 308 Peak 4 5720.07 48.84 110.95 -62.11 38.57 33.78 13.35 36.86 0.00 200 308 Peak	 Site : 03CH15-HY Condition: PEAK(UNII 4) 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5885.00 94.59 ------ ------ 83.55 34.24 13.63 36.83 0.00 200 308 Peak
Avg	Blank	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5885.00 87.48 ------ ------ 76.44 34.24 13.63 36.83 0.00 200 308 Average

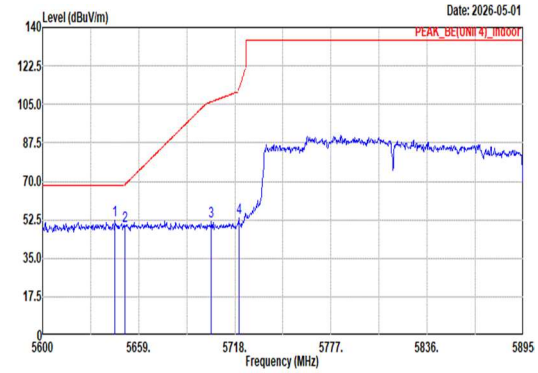
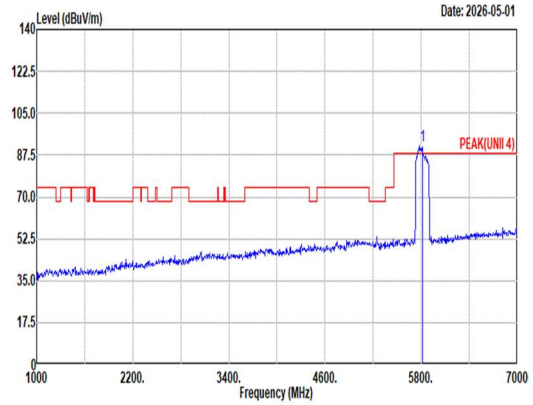
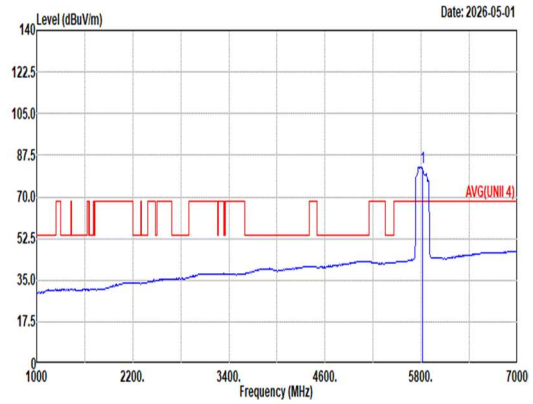
Mode	21	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11be EHT20_CH177_Full RU_5885MHz	
ANT	Chain A+B	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5895.00 81.43 130.20 -48.77 70.33 34.28 13.65 36.83 0.00 200 308 Peak 2 5974.50 53.49 108.20 -54.71 42.31 34.20 13.79 36.81 0.00 200 308 Peak	Blank
Avg	 Site : 03CH15-HY Condition: AVG_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5895.25 69.73 110.02 -40.29 58.63 34.28 13.65 36.83 0.00 200 308 Average 2 5936.50 42.15 88.20 -46.05 31.02 34.23 13.72 36.82 0.00 200 308 Average	Blank

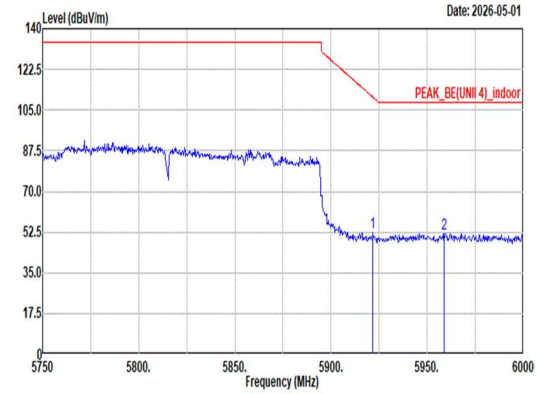
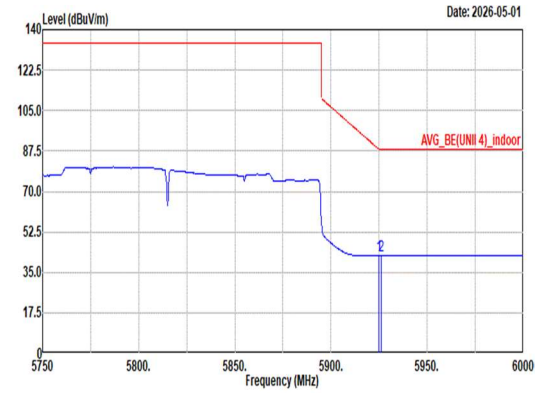
Mode	21	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11be EHT20_CH177_Full RU_5885MHz	
ANT	Chain A+B	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5635.11 51.00 68.20 -17.20 41.54 33.11 13.23 36.88 0.00 300 190 Peak 2 5650.15 50.03 68.31 -18.28 40.45 33.20 13.25 36.87 0.00 300 190 Peak 3 5700.01 52.26 105.20 -52.94 42.09 33.70 13.33 36.86 0.00 300 190 Peak 4 5720.36 48.94 111.62 -62.68 38.67 33.78 13.35 36.86 0.00 300 190 Peak	 Site : 03CH15-HY Condition: PEAK(UNII 4) 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5885.00 99.02 ------ ------ 87.95 34.26 13.64 36.83 0.00 300 190 Peak
Avg	Blank	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5885.00 91.38 ------ ------ 80.34 34.24 13.63 36.83 0.00 300 190 Average

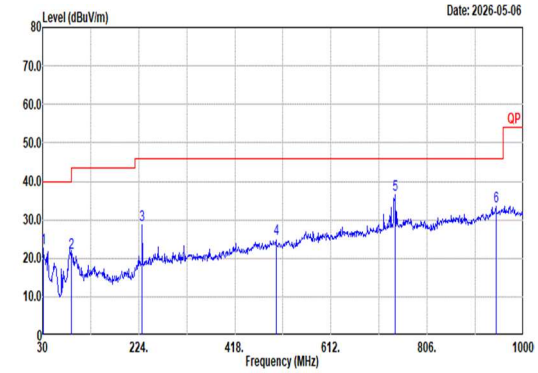
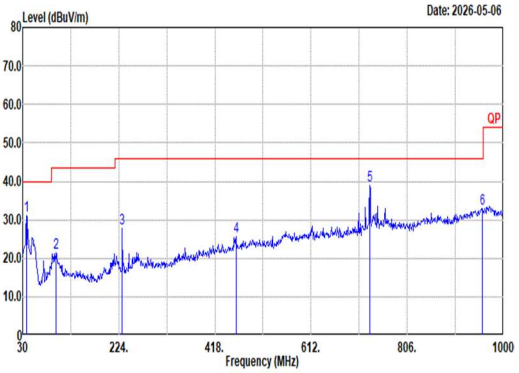
Mode	21	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11be EHT20_CH177_Full RU_5885MHz	
ANT	Chain A+B	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5895.00 83.95 130.20 -46.25 72.85 34.28 13.65 36.83 0.00 300 190 Peak 2 5968.75 52.24 108.20 -55.96 41.08 34.20 13.78 36.82 0.00 300 190 Peak	Blank
Avg	 Site : 03CH15-HY Condition: AVG_BE(UNII 4)_indoor 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5895.25 72.98 110.02 -37.04 61.88 34.28 13.65 36.83 0.00 300 190 Average 2 5930.00 42.17 88.20 -46.03 31.04 34.24 13.71 36.82 0.00 300 190 Average	Blank

Mode	22	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11be EHT160_CH163_Full RU_5815MHz	
ANT	Chain A+B	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5603.54 51.85 68.20 -16.35 42.62 32.92 13.19 36.88 0.00 200 83 Peak 2 5650.15 50.93 68.31 -17.38 41.35 33.20 13.25 36.87 0.00 200 83 Peak 3 5701.48 51.22 105.62 -54.40 41.04 33.71 13.33 36.86 0.00 200 83 Peak 4 5720.07 52.88 110.95 -58.07 42.61 33.78 13.35 36.86 0.00 200 83 Peak	 Site : 03CH15-HY Condition: PEAK(UNII 4) 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5815.00 95.22 ------ ------ 84.53 34.08 13.46 36.85 0.00 200 83 Peak
Avg	Blank	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5815.00 85.77 ------ ------ 75.24 33.96 13.42 36.85 0.00 200 83 Average

Mode	22	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11be EHT160_CH163_Full RU_5815MHz	
ANT	Chain A+B	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5923.75 50.97 109.11 -58.14 39.84 34.25 13.70 36.82 0.00 200 83 Peak 2 5989.25 53.91 108.20 -54.29 42.70 34.20 13.82 36.81 0.00 200 83 Peak	Blank
Avg	 Site : 03CH15-HY Condition: AVG_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5925.00 42.38 88.20 -45.82 31.25 34.25 13.70 36.82 0.00 200 83 Average 2 5926.50 42.41 88.20 -45.79 31.28 34.25 13.70 36.82 0.00 200 83 Average	Blank

Mode	22	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11be EHT160_CH163_Full RU_5815MHz	
ANT	Chain A+B	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5644.55 52.30 68.20 -15.90 42.76 33.17 13.24 36.87 0.00 346 190 Peak 2 5650.74 49.83 68.75 -18.92 40.24 33.21 13.25 36.87 0.00 346 190 Peak 3 5703.55 51.85 106.19 -54.34 41.67 33.71 13.33 36.86 0.00 346 190 Peak 4 5720.36 53.49 111.62 -58.13 43.22 33.78 13.35 36.86 0.00 346 190 Peak	 Site : 03CH15-HY Condition: PEAK(UNII 4) 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5815.00 91.58 ------ ------ 80.96 34.03 13.44 36.85 0.00 346 190 Peak
Avg	Blank	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto 1 5815.00 82.42 ------ ------ 71.77 34.05 13.45 36.85 0.00 346 190 Average

Mode	22	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11be EHT160_CH163_Full RU_5815MHz	
ANT	Chain A+B	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5921.75 52.43 110.58 -58.15 41.29 34.26 13.70 36.82 0.00 346 190 Peak 2 5958.75 52.04 108.20 -56.16 40.90 34.20 13.76 36.82 0.00 346 190 Peak	Blank
Avg	 Site : 03CH15-HY Condition: AVG_BE(UNII 4)_indoor 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5925.00 42.21 88.20 -45.99 31.08 34.25 13.70 36.82 0.00 346 190 Average 2 5926.00 42.22 88.20 -45.98 31.09 34.25 13.70 36.82 0.00 346 190 Average	Blank

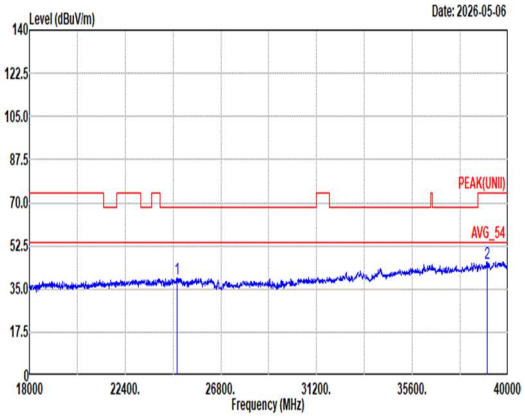
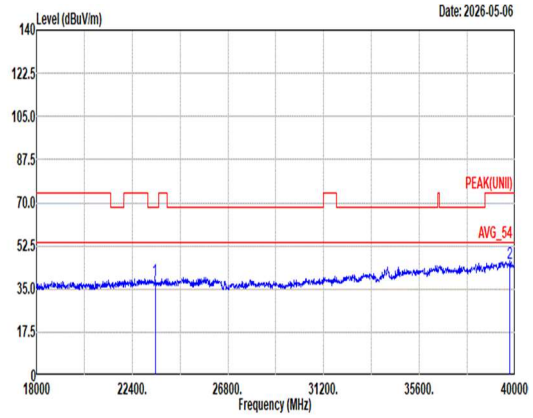
Mode	99	
	LF	
	U-NII-4_5.85-5.895_802.11be EHT160_CH163_Full RU_5815MHz	
ANT	Chain A+B	
Pol.	Horizontal	Vertical
QP/ Peak	 Site : 03CH15-HY Condition: QP 3m Bilog_41912 & 05_260318 HORIZONTAL	 Site : 03CH15-HY Condition: QP 3m Bilog_41912 & 05_260318 VERTICAL

Horizontal:

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	30.97	22.66	40.00	-17.34	30.12	23.97	0.90	32.43	0.10	--	--	Peak
2	88.20	21.47	43.50	-22.03	37.59	14.54	1.65	32.39	0.08	--	--	Peak
3	230.79	28.58	46.00	-17.42	41.93	16.24	2.66	32.35	0.10	--	--	Peak
4	501.42	24.91	46.00	-21.09	29.22	23.95	3.92	32.28	0.10	--	--	Peak
5	741.98	36.41	46.00	-9.59	35.62	28.12	4.77	32.27	0.17	--	--	Peak
6	944.71	33.47	46.00	-12.53	28.20	30.67	5.36	31.10	0.34	--	--	Peak

Vertical:

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	37.76	31.17	40.00	-8.83	41.92	20.60	1.02	32.46	0.09	--	--	Peak
2	97.90	21.35	43.50	-22.15	36.24	15.68	1.74	32.41	0.10	--	--	Peak
3	230.79	27.69	46.00	-18.31	41.04	16.24	2.66	32.35	0.10	--	--	Peak
4	460.68	25.64	46.00	-20.36	30.99	23.13	3.76	32.34	0.10	--	--	Peak
5	730.34	39.08	46.00	-6.92	38.79	27.67	4.74	32.28	0.16	--	--	Peak
6	958.29	33.03	46.00	-12.97	27.16	31.08	5.41	30.97	0.35	--	--	Peak

Mode	100	
	SHF	
	U-NII-4_5.85-5.895_802.11be EHT160_CH163_Full RU_5815MHz	
ANT	Chain A+B	
Pol.	Horizontal	Vertical
Peak	 Site : 03CH15-HY Condition: PEAK(UNII) 1m SHF_1224_250702 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 24774.05 39.18 68.20 -29.02 56.01 39.60 6.41 53.30 -9.54 -- -- PEAK 2 39035.31 45.59 74.00 -28.41 59.41 44.32 8.27 56.87 -9.54 -- -- PEAK	 Site : 03CH15-HY Condition: PEAK(UNII) 1m SHF_1224_250702 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 23456.89 38.57 68.20 -29.63 57.14 38.90 6.30 54.23 -9.54 -- -- PEAK 2 39765.45 45.66 74.00 -28.34 58.41 44.55 8.37 56.13 -9.54 -- -- PEAK