FCC RADIO TEST REPORT

FCC ID	:	**A4RGBC0H**
Equipment	:	**Phone**
Model Name	:	**GBC0H**
Applicant	:	**Google LLC** **1600 Amphitheatre Parkway,** **Mountain View, CA, 94043 USA**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Nov. 26, 2025 and testing was performed from Nov. 29, 2025 to Feb. 26, 2026. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

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

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History of this test report

Report No.	Version	Description	Issue Date
FR5N0803-01F	01	Initial issue of report	Mar. 17, 2026
FR5N0803-01F	02	Revised Appendix A2 and . Antenna Directional Gain. This report is an updated version, replacing the report issued on Apr. 17, 2026.	Apr. 29, 2026

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.407(e)	6dB & 26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Pass	-
3.2	15.407(a)	Maximum E.I.R.P Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	-
3.5	15.207	AC Conducted Emission	Pass	-
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/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: William Chen

Report Producer: Julia Chang

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs GSM/WCDMA/LTE/5G NR/NTN, Bluetooth, BLE, BLE channel sounding, Thread, Wi-Fi 802.11be, NFC, WPC Rx, UWB and GNSS Rx. **Antenna Type** WLAN: **<Ant. 3>:** IFA Antenna **<Ant. 4>:** IFA Antenna

EUT Information List	
S/N	**Performed Test Item**
5B171FDDV00003	RF Conducted Measurement
5B151FDDV0000D	Radiated Spurious Emission
61041FDDV0000E	Conducted Emission

Antenna information		
5850 MHz ~ 5895 MHz	Peak Gain (dBi)	Ant. 3: -0.1 Ant. 4: -4.4

Remark:

1. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.
2. The correlated antenna gain is provided by the MIMO antenna report using KDB 662911 D01 from manufacturer.

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	Ant 3 (dBi)	Ant 4 (dBi)	DG for Power (dBi)	DG for PSD (dBi)
	-0.10	-4.40	-0.10	1.02

Calculation example:

If a device has two antenna, G_{ANT3} = -0.1 dBi; G_{ANT4} = -4.4 dBi

Directional gain of power measurement = max(-0.1, -4.4) + 0 = -0.1 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (-0.1 dBi / 20) + 10^ (-4.4 dBi / 20)] ^ 2 } / 2 }

= 1.02 dBi

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, CO07-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.
- ANSI C63.10-2020 + Cor.1-2023

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and accessory (Adapter or Earphone), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and find Y plane with Adapter as worst plane.

b. AC power line Conducted Emission was tested under maximum output power.

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

This device supports WiFi 802.11be 20MHz bandwidth for 2.4GHz and 160MHz bandwidth for both 5GHz and 6GHz.

This device supports both CDD and SDM modes.

For bands other than LPI and VLP, SDM mode is covered by CDD mode due to identical power level.

This device supports 26/52/106/242/484/996 single tone RU modes for 802.11ax/be modes and the 242/484/996-tone RU modes are covered by 20/40/80MHz channels.

This device supports MRU 52T+26T/106T+26T (small RU) and punctured modes 484+242-tone, 996+484+242-tone, and 996+484-tone (large RU) for 802.11be mode.

The PSD of partial RU/MRU modes are reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 2022.

The 802.11ax/be modes are investigated among full RU, single RU and MRU modes for emission spot check and the 11ax mode is covered by 11be mode. The PSD and power of partial RU and MRU are less than full RU configurations so the full RU is chosen as main test configuration.

The 242-tone RU is covered by 20MHz channel, 484-tone RU is covered by 40MHz channel and 996-tone RU is covered by 80MHz channel.

The power of 802.11ac mode are less than 802.11n mode, so all conducted and radiated tests are covered by 802.11n mode.

The power of 802.11ax mode are less than 802.11be mode, so all conducted and radiated tests are covered by 802.11be mode.

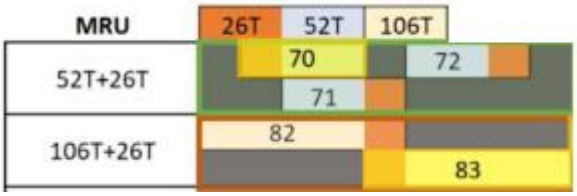
The final test modes include the worst data rates for each modulation shown in the table below.

MIMO 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

Index of MRU and puncture mode mapping

Small MRU



Large MRU

484+242-tone MRU			
2	1	4	3
80MHz puncture 20			
8	4	2	1

484+242-tone MRU							
2	1	4	3	6	5	8	7
160MHz puncture 20							
128	64	32	16	8	4	2	1

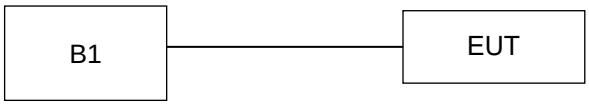
996+484-tone MRU			
2	1	4	3
160MHz puncture 40			
192	48	12	3

Note: The RF waveform is identical for large MRU and puncture modes.

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) 11a Tx + USB Cable 2 (Charging from AC Adapter)

Remark:
1. For Radiated Test Cases, the tests were performed with USB Cable 2.
2. The detailed Radiated test modes are shown in Appendix C.
3. During the preliminary test, both charging modes (Adapter mode and WPC Rx mode) were verified. It is determined that the adaptor mode is the worst case for official test.
4. For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System



Conduction Test Setup									
No.	**Power Source**	**Connection Type**	**Test Mode**						
			1	**-**	**-**	**-**	**-**	**-**	**-**
B1	AC : 120V/60Hz	AC Power Cable	**X**	**-**	**-**	**-**	**-**	**-**	**-**

Radiation Tx Test Setup									
No.	**Power Source**	**Connection Type**	**Test Mode**						
			78~111	**-**	**-**	**-**	**-**	**-**	**-**
B1	AC : 120V/60Hz	AC Power Cable	**X**	**-**	**-**	**-**	**-**	**-**	**-**

2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Adapter	N/A	GW8L7	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “BTWIFI_Final_version_240823” 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.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 4.2 + 10 = 14.2 (dB)

3 Test Result

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

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

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

26dB and 99% Occupied bandwidth are reporting only.

3.1.2 Measuring Instruments

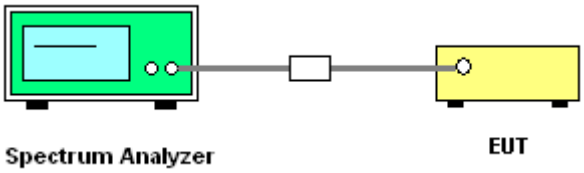
Please refer to the measuring equipment list in this test report.

3.1.3 Test Procedures

The testing follows FCC KDB 291074 D02 EMC Measurement v01 Section 2.11 Minimum Emission bandwidth

1. Set RBW = 100 kHz.
2. Set the VBW ≥ 3 x RBW.
3. Detector = Peak.
4. Trace mode = max hold
5. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
6. Measure and record the results in the test report.

3.1.4 Test Setup



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

Please refer to Appendix A.

3.2 Maximum E.I.R.P Output Power Measurement

3.2.1 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.

3.2.2 Measuring Instruments

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

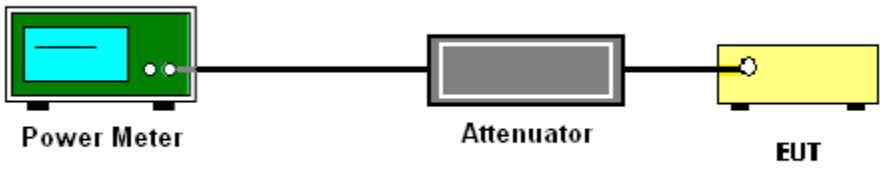
3.2.3 Test Procedures

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

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

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

1. 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.
2. For client devices operating on a channel that spans the 5.725-5.850 GHz and 5.850-5.895 GHz bands shall meet both 15.407(a)(3)(i) 30dBm/500kHz and 15.407(a)(3)(iii) 14dBm/MHz limit, where the stringent limit 14dBm/MHz is applied.
3. For an indoor access point operating on a channel that spans the 5.725-5.850 GHz and 5.850-5.895 GHz bands shall meet both 15.407(a)(3)(ii) 36dBm limit, where the stringent limit 20dBm/MHz is applied.

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Section F) Maximum power spectral density.

 # Method SA-2 #

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

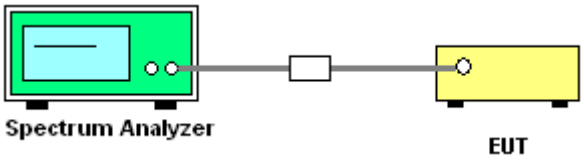
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

   Method (a): Measure and sum the spectra across the outputs.

   The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

(1) 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

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

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

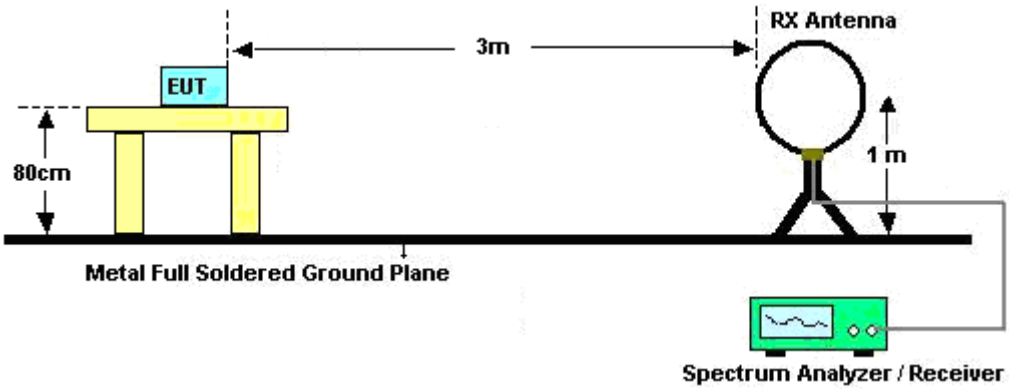
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

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.

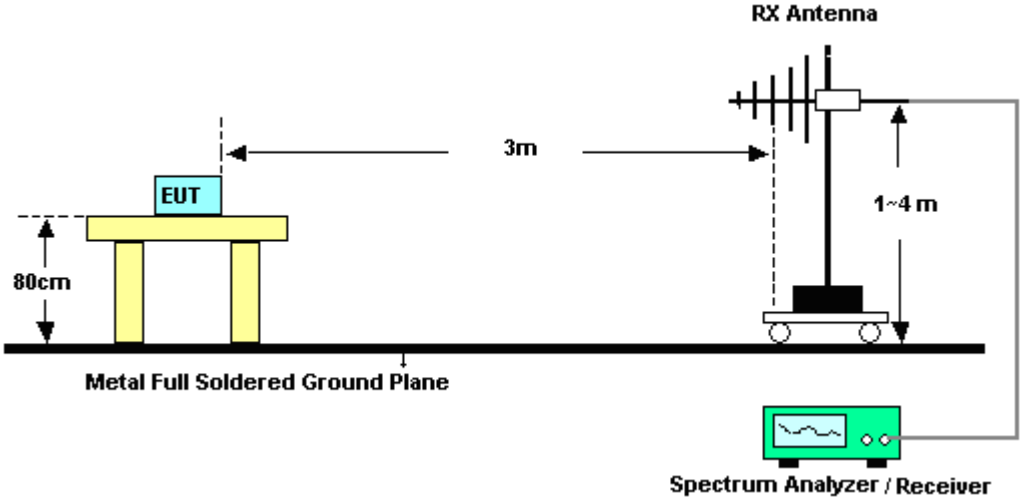
4. The measurement antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization.
5. For each suspected emission, the EUT was arranged to its worst case 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 "-".

3.4.4 Test Setup

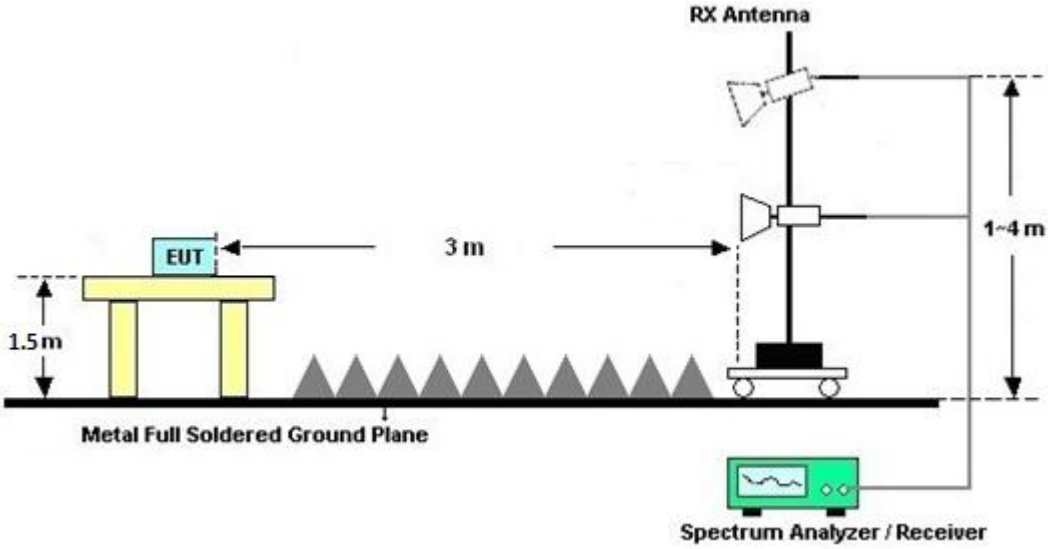
For radiated emissions below 30MHz



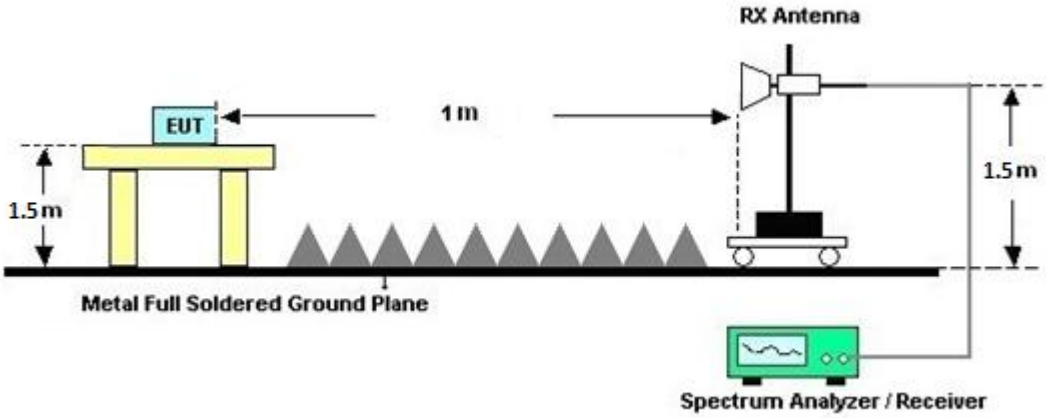
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

The low frequency, which 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.

3.4.6 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.

3.4.7 Test Result of Radiated Band Edges

Please refer to Appendix C.

3.4.8 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix C.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

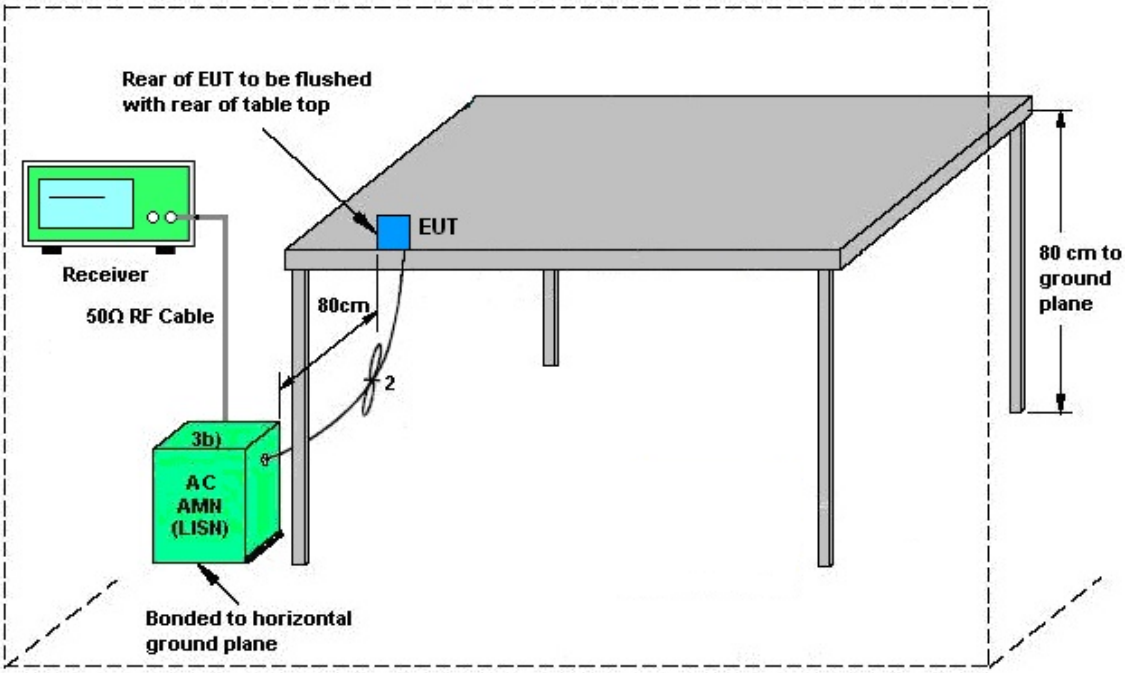
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

b) Unique (non-standard) antenna connector.

(3) Use of a standard connector is also allowed if the connector is within the transmitter enclosure and can only be accessed by disassembly of the transmitter, where such disassembly is not normally required. The user manual must not show that user has access to the connector.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9kHz~30MHz	May 06, 2025	Nov. 29, 2025~ Feb. 26, 2026	May 05, 2026	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	37059 & 01	30MHz~1GHz	Mar. 01, 2025	Nov. 29, 2025~ Feb. 26, 2026	Feb. 28, 2026	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 06, 2025	Nov. 29, 2025~ Feb. 26, 2026	Jun. 05, 2026	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1225	18GHz~40GHz	Jul. 02, 2025	Nov. 29, 2025~ Feb. 26, 2026	Jul. 01, 2026	Radiation (03CH15-HY)
Amplifier	EMEC	EM1G18G	060837	1GHz~18GHz	Feb. 13, 2025	Nov. 29, 2025~ Feb. 09, 2026	Feb. 12, 2026	Radiation (03CH15-HY)
Amplifier	EMEC	EM1G18G	060837	1GHz~18GHz	Feb. 10, 2026	Feb. 10, 2026~ Feb. 26, 2026	Feb. 09, 2027	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz~18GHz	Feb. 14, 2025	Nov. 29, 2025~ Feb. 10, 2026	Feb. 13, 2026	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz~18GHz	Feb. 11, 2026	Feb. 11, 2026~ Feb. 26, 2026	Feb. 10, 2027	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	May 26, 2025	Nov. 29, 2025~ Feb. 26, 2026	May 25, 2026	Radiation (03CH15-HY)
Preamplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 24, 2024	Nov. 29, 2025~ Dec. 17, 2025	Dec. 23, 2025	Radiation (03CH15-HY)
Preamplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 18, 2025	Dec. 18, 2025~ Feb. 26, 2026	Dec. 17, 2026	Radiation (03CH15-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290045	20Hz~8.4GHz	Apr. 21, 2025	Nov. 29, 2025~ Feb. 26, 2026	Apr. 20, 2026	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010B	MY60241058	10Hz~44Gz	Jul. 15, 2025	Nov. 29, 2025~ Feb. 26, 2026	Jul. 14, 2026	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY519228/2, 803950/2,508 407/2E	30MHz~40GHz	Sep. 24, 2025	Nov. 29, 2025~ Feb. 26, 2026	Sep. 23, 2026	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	18-40G	Dec. 31, 2024	Nov. 29, 2025~ Dec. 17, 2025	Dec. 30, 2025	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	18-40G	Dec. 18, 2025	Dec. 18, 2025~ Feb. 26, 2026	Dec. 17, 2026	Radiation (03CH15-HY)
Hygrometer	TECPEL	DTM-302	SN2	N/A	Aug. 26, 2025	Nov. 29, 2025~ Feb. 26, 2026	Aug. 25, 2026	Radiation (03CH15-HY)
Filter	wright	WLJ4-1000-1530-6000-40ST	SN4	1.53GHz Low Pass Filter	Jun. 03, 2025	Nov. 29, 2025~ Feb. 26, 2026	Jun. 02, 2026	Radiation (03CH15-HY)
Filter	wright	WHKX8-5872.5-6750-18000-40ST	SN6	6.75GHz High Pass Filter	Jun. 03, 2025	Nov. 29, 2025~ Feb. 26, 2026	Jun. 02, 2026	Radiation (03CH15-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Nov. 29, 2025~ Feb. 26, 2026	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Nov. 29, 2025~ Feb. 26, 2026	N/A	Radiation (03CH15-HY)
Software	Audix	E3_V9_230621	RK-002394	N/A	N/A	Nov. 29, 2025~ Feb. 26, 2026	N/A	Radiation (03CH15-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 04, 2025	Dec. 12, 2025~ Feb. 24, 2026	Nov. 03, 2026	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO37 (NO:167)	10MHz~6GHz	Nov. 14, 2025	Dec. 12, 2025~ Feb. 24, 2026	Nov. 13, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 29, 2025	Dec. 12, 2025~ Feb. 24, 2026	Aug. 28, 2026	Conducted (TH05-HY)
Switch Control Mainframe	E-Instument	ETF-1405-0	EC1900067 (BOX7)	N/A	Jul. 02, 2025	Dec. 12, 2025~ Feb. 24, 2026	Jul. 01, 2026	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_version_240513	N/A	Conducted Other Test Item	N/A	Dec. 12, 2025~ Feb. 24, 2026	N/A	Conducted (TH05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 20, 2025	Feb. 10, 2026	Oct. 19, 2026	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 03, 2025	Feb. 10, 2026	Mar. 02, 2026	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 24, 2025	Feb. 10, 2026	Mar. 23, 2026	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 26, 2025	Feb. 10, 2026	Mar. 25, 2026	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Oct. 21, 2025	Feb. 10, 2026	Oct. 20, 2026	Conduction (CO07-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Feb. 10, 2026	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Feb. 10, 2026	N/A	Conduction (CO07-HY)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.7 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.50 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.30 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.50 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.90 dB

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Howard Tsai	Temperature:	21~25	°C
Test Date:	2025/12/12~2026/02/24	Relative Humidity:	51~54	%

MIMO <Ant. 3+4>

TEST RESULTS DATA

6dB and 26dB EBW and 99% OBW

UNII-4												
Mod.	Data Rate	NTX	CH.	Freq (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min Limit (MHz)	Pass /Fail
					Ant3	Ant4	Ant3	Ant4	Ant3	Ant4		
11a	6M	2	169	5845	21.93	23.21	38.18	39.09	16.11	16.26	0.5	Pass
11a	6M	2	173	5865	21.69	22.94	36.64	36.44	16.35	16.04	0.5	Pass
11a	6M	2	177	5885	22.93	24.71	37.88	37.95	16.30	16.32	0.5	Pass
HT20	MCS0	2	169	5845	23.79	24.58	41.30	39.31	17.16	17.56	0.5	Pass
HT20	MCS0	2	173	5865	23.15	23.74	41.55	40.04	17.31	17.56	0.5	Pass
HT20	MCS0	2	177	5885	23.73	24.66	42.88	39.98	17.52	17.55	0.5	Pass
HT40	MCS0	2	167	5835	38.64	39.07	78.03	78.85	36.32	36.35	0.5	Pass
HT40	MCS0	2	175	5875	44.01	44.37	89.33	86.64	36.05	36.35	0.5	Pass
VHT80	MCS0	2	171	5855	76.39	76.34	117.31	141.06	75.86	75.86	0.5	Pass
VHT160	MCS0	2	163	5815	157.34	157.39	314.83	318.48	155.30	155.49	0.5	Pass

TEST RESULTS DATA

Average Power Table

UNII-4													
Mod.	Data Rate	NTX	CH.	Freq (MHz)	Average Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	
					Ant3	Ant4	SUM	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4
11a	6M	2	169	5845	20.18	20.95	23.59	-0.10		23.49		30.00	
11a	6M	2	173	5865	20.00	20.94	23.51	-0.10		23.41		30.00	
11a	6M	2	177	5885	20.13	20.83	23.50	-0.10		23.40		30.00	
HT20	MCS0	2	169	5845	20.38	20.94	23.68	-0.10		23.58		30.00	
HT20	MCS0	2	173	5865	20.01	20.87	23.47	-0.10		23.37		30.00	
HT20	MCS0	2	177	5885	20.14	20.85	23.52	-0.10		23.42		30.00	
HT40	MCS0	2	167	5835	19.78	19.23	22.52	-0.10		22.42		30.00	
HT40	MCS0	2	175	5875	19.83	19.62	22.74	-0.10		22.64		30.00	
VHT20	MCS0	2	169	5845	20.05	20.62	23.35	-0.10		23.25		30.00	
VHT20	MCS0	2	173	5865	19.71	20.68	23.23	-0.10		23.13		30.00	
VHT20	MCS0	2	177	5885	20.00	20.59	23.32	-0.10		23.22		30.00	
VHT40	MCS0	2	167	5835	19.40	18.87	22.15	-0.10		22.05		30.00	
VHT40	MCS0	2	175	5875	19.51	19.22	22.38	-0.10		22.28		30.00	
VHT80	MCS0	2	171	5855	18.73	18.48	21.62	-0.10		21.52		30.00	
VHT160	MCS0	2	163	5815	18.23	18.58	21.42	-0.10		21.32		30.00	

TEST RESULTS DATA

Power Spectral Density

UNII-4																
Mod.	Data Rate	NTX	CH.	Freq (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP PSD (dBm/MHz)		EIRP PSD Limit (dBm/MHz)		Pass /Fail
					Ant3	Ant4	Ant3	Ant4	SUM	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	
11a	6M	2	169	5845	0.02	0.02	-		12.70	1.02		13.72		14.00		Pass
11a	6M	2	173	5865	0.02	0.02	-		12.60	1.02		13.62		14.00		Pass
11a	6M	2	177	5885	0.02	0.02	-		12.67	1.02		13.69		14.00		Pass
HT20	MCS0	2	169	5845	0.03	0.03	-		12.70	1.02		13.72		14.00		Pass
HT20	MCS0	2	173	5865	0.03	0.03	-		12.43	1.02		13.45		14.00		Pass
HT20	MCS0	2	177	5885	0.03	0.03	-		11.18	1.02		12.20		14.00		Pass
HT40	MCS0	2	167	5835	0.05	0.05	-		8.46	1.02		9.48		14.00		Pass
HT40	MCS0	2	175	5875	0.05	0.05	-		8.75	1.02		9.77		14.00		Pass
VHT80	MCS0	2	171	5855	0.10	0.10	-		4.78	1.02		5.80		14.00		Pass
VHT160	MCS0	2	163	5815	0.19	0.19	-		1.66	1.02		2.68		14.00		Pass

TEST RESULTS DATA

Average Power Table

UNII-4														
Mod.	Data Rate	NTX	CH.	Freq (MHz)	RU Config.	Average Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	
						Ant3	Ant4	SUM	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4
HE20	MCS0	2	169	5845	Full	19.99	20.65	23.34	-0.10		23.24		30.00	
HE20	MCS0	2	169	5845	26RU/0	11.40	11.88	14.66	-0.10		14.56		30.00	
HE20	MCS0	2	169	5845	52RU/37	14.26	14.74	17.52	-0.10		17.42		30.00	
HE20	MCS0	2	169	5845	106RU/53	17.49	18.12	20.83	-0.10		20.73		30.00	
HE20	MCS0	2	173	5865	Full	20.01	20.87	23.47	-0.10		23.37		30.00	
HE20	MCS0	2	173	5865	26RU/4	12.22	13.27	15.79	-0.10		15.69		30.00	
HE20	MCS0	2	173	5865	52RU/38	14.43	15.25	17.87	-0.10		17.77		30.00	
HE20	MCS0	2	173	5865	106RU/53	17.32	18.08	20.73	-0.10		20.63		30.00	
HE20	MCS0	2	177	5885	Full	20.12	20.64	23.40	-0.10		23.30		30.00	
HE20	MCS0	2	177	5885	26RU/8	11.24	11.93	14.61	-0.10		14.51		30.00	
HE20	MCS0	2	177	5885	52RU/40	14.25	14.96	17.63	-0.10		17.53		30.00	
HE20	MCS0	2	177	5885	106RU/54	17.62	18.33	21.00	-0.10		20.90		30.00	
HE40	MCS0	2	167	5835	Full	19.61	19.34	22.49	-0.10		22.39		30.00	
HE40	MCS0	2	175	5875	Full	19.63	19.25	22.45	-0.10		22.35		30.00	
HE80	MCS0	2	171	5855	Full	19.26	18.62	21.96	-0.10		21.86		30.00	
HE160	MCS0	2	163	5815	Full	18.35	18.73	21.55	-0.10		21.45		30.00	

TEST RESULTS DATA

Power Spectral Density

UNII-4																	
Mod.	Data Rate	NTX	CH.	Freq (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP PSD (dBm/MHz)		EIRP PSD Limit (dBm/MHz)		Pass /Fail
						Ant3	Ant4	Ant3	Ant4	SUM	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	
HE20	MCS0	2	169	5845	Full	0.03	0.03	-		11.89	1.02		12.91		14.00		Pass
HE20	MCS0	2	169	5845	26RU/0	0.09	0.09	-		11.29	1.02		12.31		14.00		Pass
HE20	MCS0	2	169	5845	52RU/37	0.10	0.10	-		11.28	1.02		12.30		14.00		Pass
HE20	MCS0	2	169	5845	106RU/53	0.13	0.13	-		11.49	1.02		12.51		14.00		Pass
HE20	MCS0	2	173	5865	Full	0.03	0.03	-		11.94	1.02		12.96		14.00		Pass
HE20	MCS0	2	173	5865	26RU/4	0.09	0.09	-		11.51	1.02		12.53		14.00		Pass
HE20	MCS0	2	173	5865	52RU/38	0.10	0.10	-		11.69	1.02		12.71		14.00		Pass
HE20	MCS0	2	173	5865	106RU/53	0.13	0.13	-		11.42	1.02		12.44		14.00		Pass
HE20	MCS0	2	177	5885	Full	0.03	0.03	-		11.81	1.02		12.83		14.00		Pass
HE20	MCS0	2	177	5885	26RU/8	0.09	0.09	-		11.59	1.02		12.61		14.00		Pass
HE20	MCS0	2	177	5885	52RU/40	0.10	0.10	-		11.48	1.02		12.50		14.00		Pass
HE20	MCS0	2	177	5885	106RU/54	0.13	0.13	-		11.74	1.02		12.76		14.00		Pass
HE40	MCS0	2	167	5835	Full	0.06	0.06	-		8.26	1.02		9.28		14.00		Pass
HE40	MCS0	2	175	5875	Full	0.06	0.06	-		8.21	1.02		9.23		14.00		Pass
HE80	MCS0	2	171	5855	Full	0.12	0.12	-		5.06	1.02		6.08		14.00		Pass
HE160	MCS0	2	163	5815	Full	0.21	0.21	-		1.68	1.02		2.70		14.00		Pass

TEST RESULTS DATA

6dB and 26dB EBW and 99% OBW

UNII-4													
Mod.	Data Rate	NTX	CH.	Freq (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min Limit (MHz)	Pass /Fail
						Ant3	Ant4	Ant3	Ant4	Ant3	Ant4		
EHT20	MCS0	2	169	5845	Full	20.85	22.92	41.79	40.79	18.60	18.12	0.5	Pass
EHT20	MCS0	2	173	5865	Full	21.32	23.31	41.60	43.08	18.80	18.40	0.5	Pass
EHT20	MCS0	2	177	5885	Full	22.59	24.45	41.54	45.38	18.69	17.95	0.5	Pass
EHT40	MCS0	2	167	5835	Full	38.60	38.78	62.98	72.72	37.76	37.49	0.5	Pass
EHT40	MCS0	2	175	5875	Full	39.06	39.49	71.31	71.74	37.74	37.65	0.5	Pass
EHT80	MCS0	2	171	5855	Full	78.29	78.15	139.33	139.55	76.69	76.90	0.5	Pass
EHT160	MCS0	2	163	5815	Full	160.17	159.88	319.25	337.34	156.61	156.86	0.5	Pass

TEST RESULTS DATA

Average Power Table

UNII-4														
Mod.	Data Rate	NTX	CH.	Freq (MHz)	RU Config.	Average Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	
						Ant3	Ant4	SUM	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4
EHT20	MCS0	2	169	5845	Full	20.24	20.82	23.55	-0.10		23.45		30.00	
EHT20	MCS0	2	169	5845	26RU/0	11.70	12.18	14.96	-0.10		14.86		30.00	
EHT20	MCS0	2	169	5845	52RU/37	14.34	15.45	17.94	-0.10		17.84		30.00	
EHT20	MCS0	2	169	5845	106RU/53	17.70	18.35	21.05	-0.10		20.95		30.00	
EHT20	MCS0	2	169	5845	52T+26T/70	16.86	17.52	20.21	-0.10		20.11		30.00	
EHT20	MCS0	2	169	5845	106T+26T/82	18.98	19.61	22.32	-0.10		22.22		30.00	
EHT20	MCS0	2	173	5865	Full	20.08	20.96	23.55	-0.10		23.45		30.00	
EHT20	MCS0	2	173	5865	26RU/4	12.52	13.40	15.99	-0.10		15.89		30.00	
EHT20	MCS0	2	173	5865	52RU/38	14.46	15.29	17.91	-0.10		17.81		30.00	
EHT20	MCS0	2	173	5865	106RU/53	17.46	18.60	21.08	-0.10		20.98		30.00	
EHT20	MCS0	2	173	5865	52T+26T/71	16.69	17.78	20.28	-0.10		20.18		30.00	
EHT20	MCS0	2	173	5865	106T+26T/83	18.84	19.91	22.42	-0.10		22.32		30.00	
EHT20	MCS0	2	177	5885	Full	20.26	20.80	23.55	-0.10		23.45		30.00	
EHT20	MCS0	2	177	5885	26RU/8	11.50	12.46	15.02	-0.10		14.92		30.00	
EHT20	MCS0	2	177	5885	52RU/40	14.51	15.31	17.94	-0.10		17.84		30.00	
EHT20	MCS0	2	177	5885	106RU/54	17.70	18.40	21.07	-0.10		20.97		30.00	
EHT20	MCS0	2	177	5885	52T+26T/72	16.85	17.61	20.26	-0.10		20.16		30.00	
EHT20	MCS0	2	177	5885	106T+26T/83	18.92	19.83	22.41	-0.10		22.31		30.00	
EHT40	MCS0	2	167	5835	Full	19.97	19.47	22.74	-0.10		22.64		30.00	
EHT40	MCS0	2	175	5875	Full	19.99	19.57	22.80	-0.10		22.70		30.00	
EHT80	MCS0	2	171	5855	Full	19.88	19.22	22.57	-0.10		22.47		30.00	
EHT80	MCS0	2	171	5855	Puncture20 /1	18.00	19.08	21.58	-0.10		21.48		30.00	
EHT160	MCS0	2	163	5815	Full	18.35	18.84	21.61	-0.10		21.51		30.00	
EHT160	MCS0	2	163	5815	Puncture20 /1	18.17	18.41	21.30	-0.10		21.20		30.00	
EHT160	MCS0	2	163	5815	Puncture40 /3	17.97	18.29	21.14	-0.10		21.04		30.00	

TEST RESULTS DATA

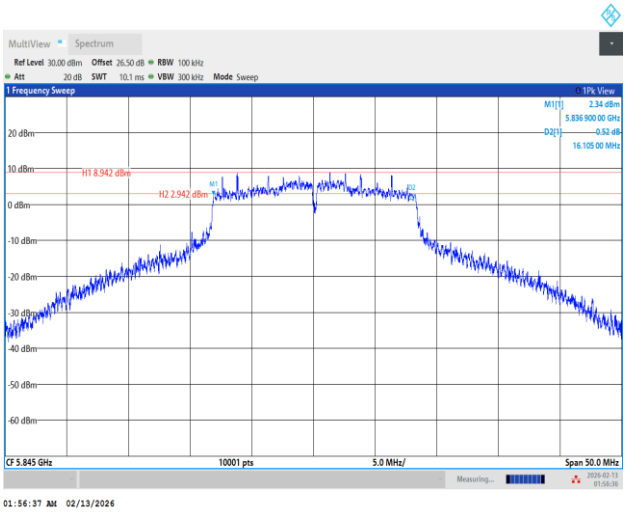
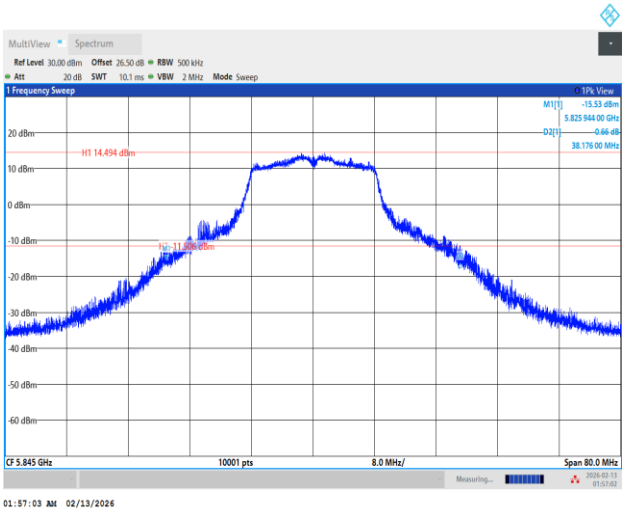
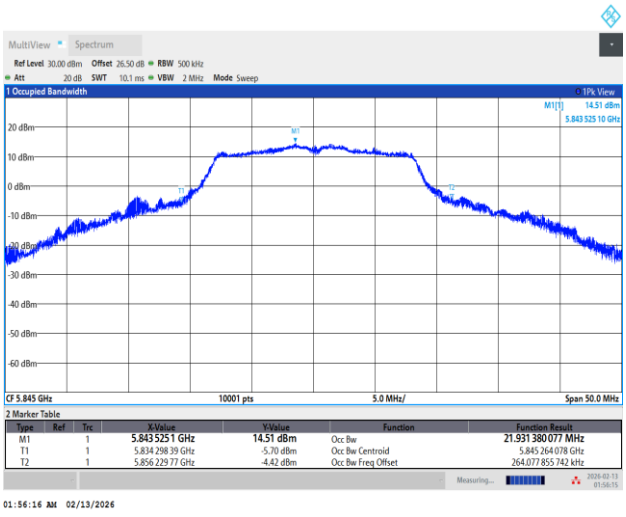
Power Spectral Density

UNII-4																	
Mod.	Data Rate	NTX	CH.	Freq (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP PSD (dBm/MHz)		EIRP PSD Limit (dBm/MHz)		Pass /Fail
						Ant3	Ant4	Ant3	Ant4	SUM	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	
EHT20	MCS0	2	169	5845	Full	0.03	0.03	-		12.13	1.02		13.15		14.00		Pass
EHT20	MCS0	2	169	5845	26RU/0	0.10	0.10	-		11.75	1.02		12.77		14.00		Pass
EHT20	MCS0	2	169	5845	52RU/37	0.12	0.12	-		11.72	1.02		12.74		14.00		Pass
EHT20	MCS0	2	169	5845	106RU/53	0.13	0.13	-		11.70	1.02		12.72		14.00		Pass
EHT20	MCS0	2	169	5845	52T+26T/70	0.05	0.05	-		12.04	1.02		13.06		14.00		Pass
EHT20	MCS0	2	169	5845	106T+26T/82	0.09	0.09	-		11.96	1.02		12.98		14.00		Pass
EHT20	MCS0	2	173	5865	Full	0.03	0.03	-		12.08	1.02		13.10		14.00		Pass
EHT20	MCS0	2	173	5865	26RU/4	0.10	0.10	-		11.67	1.02		12.69		14.00		Pass
EHT20	MCS0	2	173	5865	52RU/38	0.12	0.12	-		11.62	1.02		12.64		14.00		Pass
EHT20	MCS0	2	173	5865	106RU/53	0.13	0.13	-		11.66	1.02		12.68		14.00		Pass
EHT20	MCS0	2	173	5865	52T+26T/71	0.05	0.05	-		12.06	1.02		13.08		14.00		Pass
EHT20	MCS0	2	173	5865	106T+26T/83	0.09	0.09	-		11.96	1.02		12.98		14.00		Pass
EHT20	MCS0	2	177	5885	Full	0.03	0.03	-		12.19	1.02		13.21		14.00		Pass
EHT20	MCS0	2	177	5885	26RU/8	0.10	0.10	-		11.73	1.02		12.75		14.00		Pass
EHT20	MCS0	2	177	5885	52RU/40	0.12	0.12	-		11.75	1.02		12.77		14.00		Pass
EHT20	MCS0	2	177	5885	106RU/54	0.13	0.13	-		11.76	1.02		12.78		14.00		Pass
EHT20	MCS0	2	177	5885	52T+26T/72	0.05	0.05	-		12.14	1.02		13.16		14.00		Pass
EHT20	MCS0	2	177	5885	106T+26T/83	0.09	0.09	-		12.09	1.02		13.11		14.00		Pass
EHT40	MCS0	2	167	5835	Full	0.06	0.06	-		8.40	1.02		9.42		14.00		Pass
EHT40	MCS0	2	175	5875	Full	0.06	0.06	-		8.56	1.02		9.58		14.00		Pass
EHT80	MCS0	2	171	5855	Full	0.12	0.12	-		5.48	1.02		6.50		14.00		Pass
EHT80	MCS0	2	171	5855	Puncture20 /1	0.09	0.09	-		4.49	1.02		5.51		14.00		Pass
EHT160	MCS0	2	163	5815	Full	0.21	0.21	-		1.63	1.02		2.65		14.00		Pass
EHT160	MCS0	2	163	5815	Puncture20 /1	0.18	0.18	-		1.06	1.02		2.08		14.00		Pass
EHT160	MCS0	2	163	5815	Puncture40 /3	0.16	0.16	-		0.43	1.02		1.45		14.00		Pass

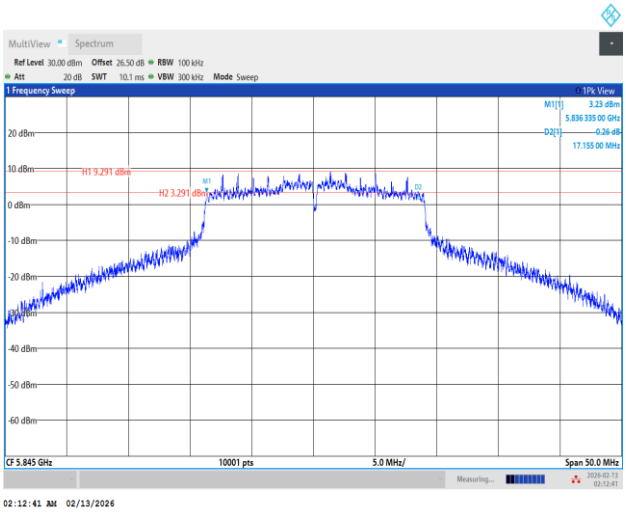
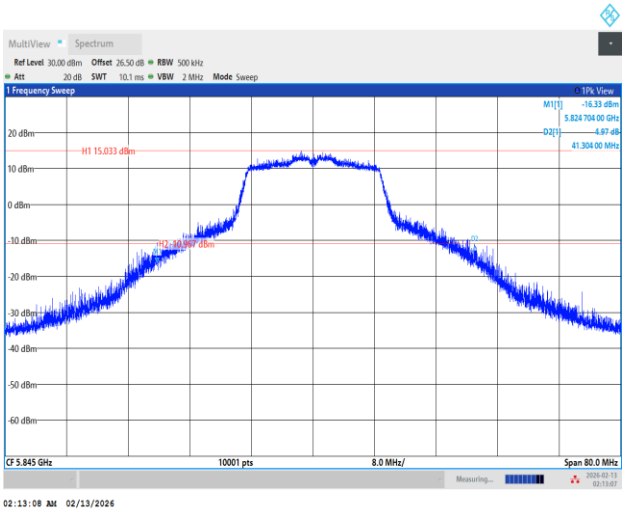
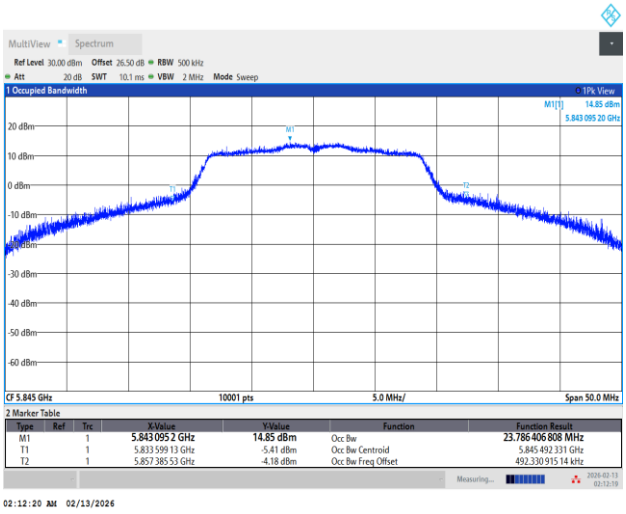
Test Result of 6dB and 26dB and 99% Occupied Bandwidth

MIMO <Ant. 3+4>

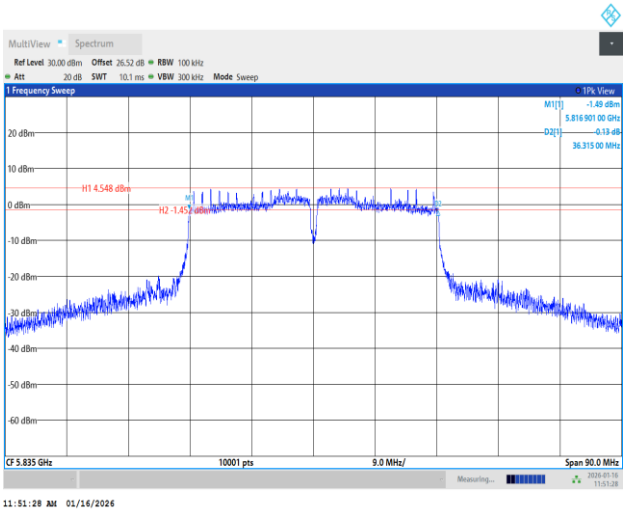
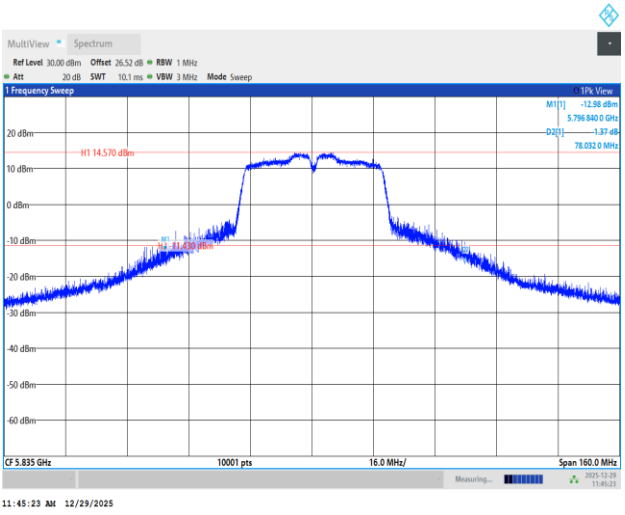
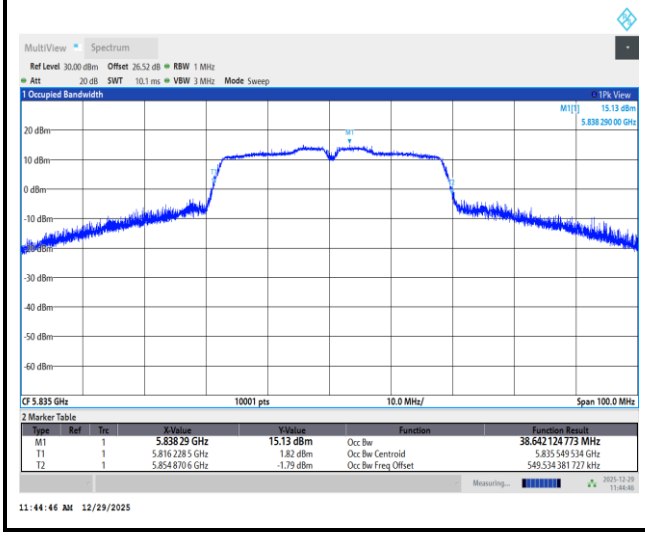
<802.11a>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

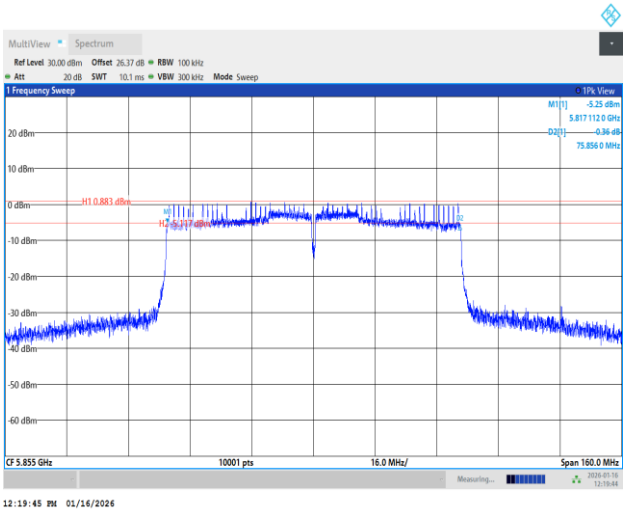
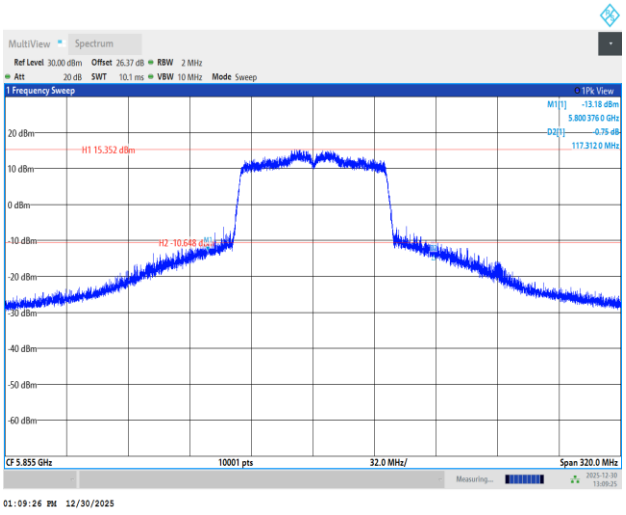
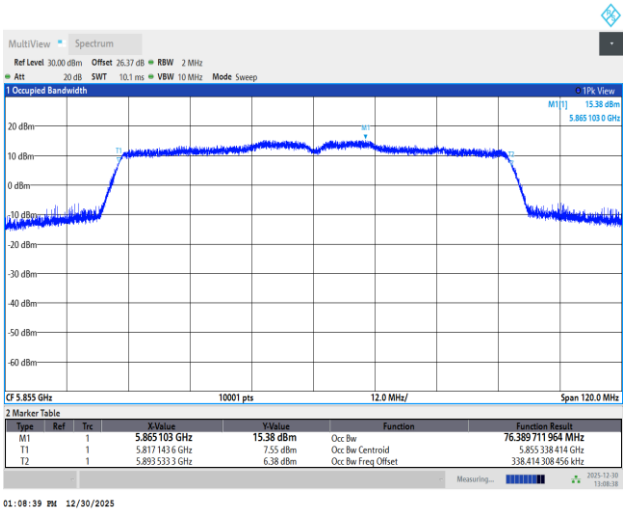
<802.11n HT20>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

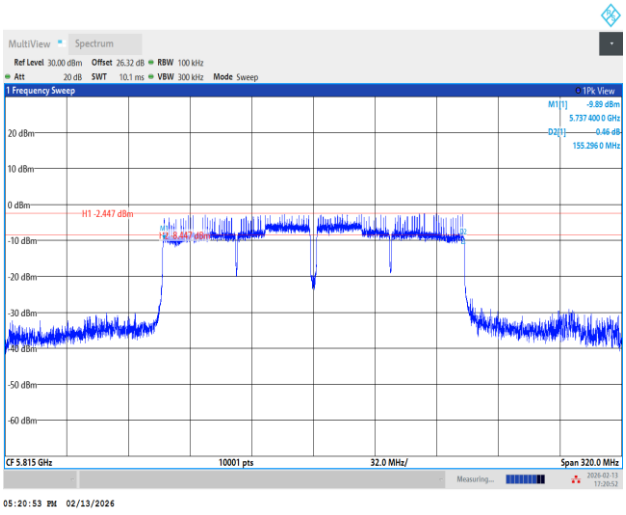
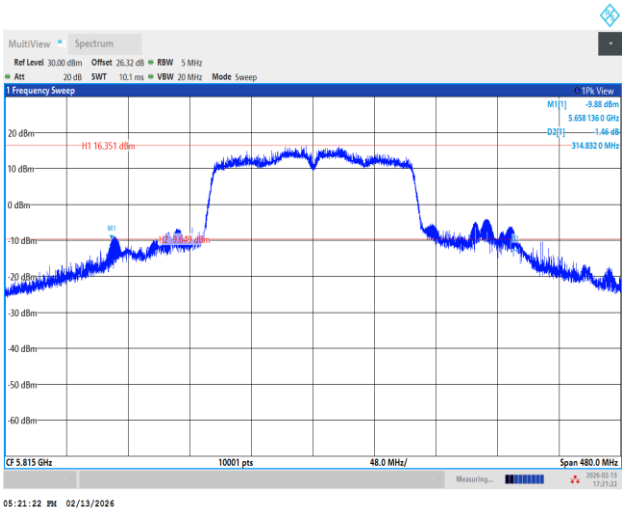
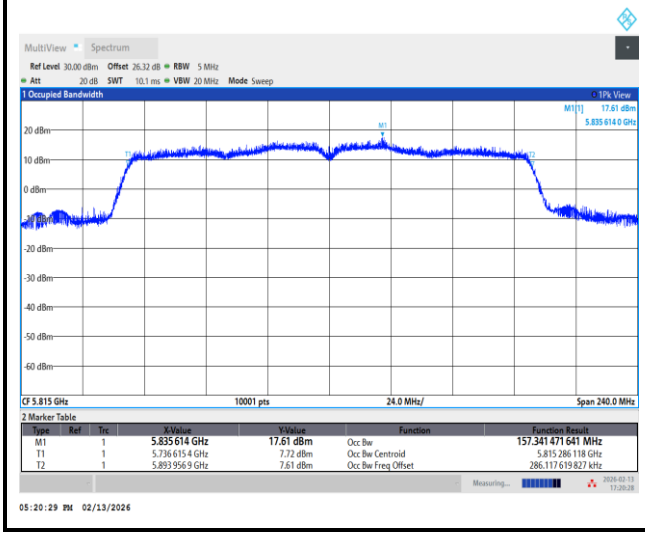
<802.11n HT40>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

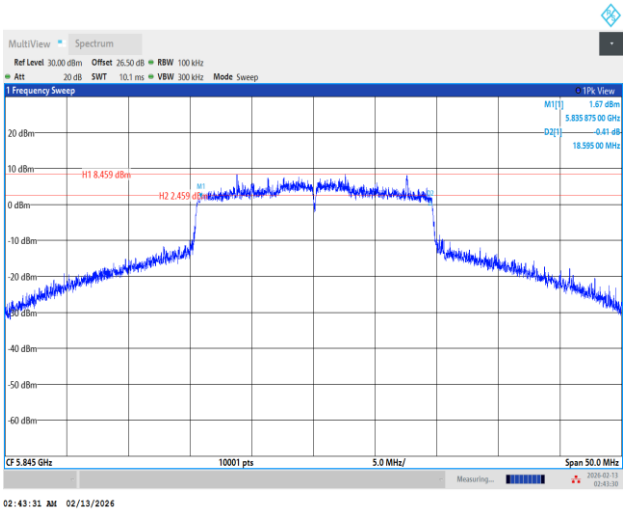
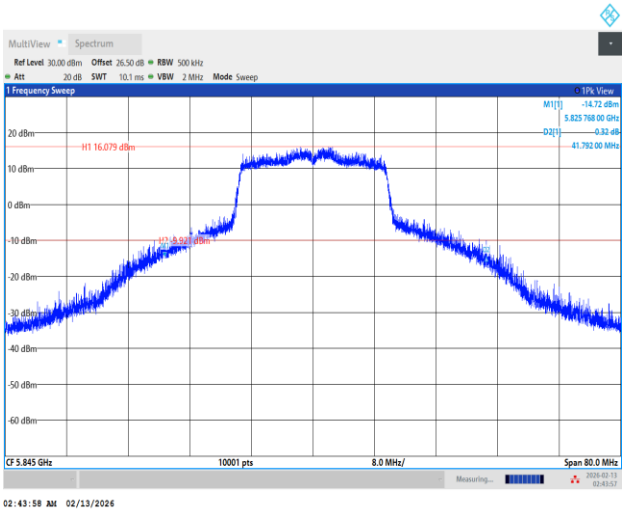
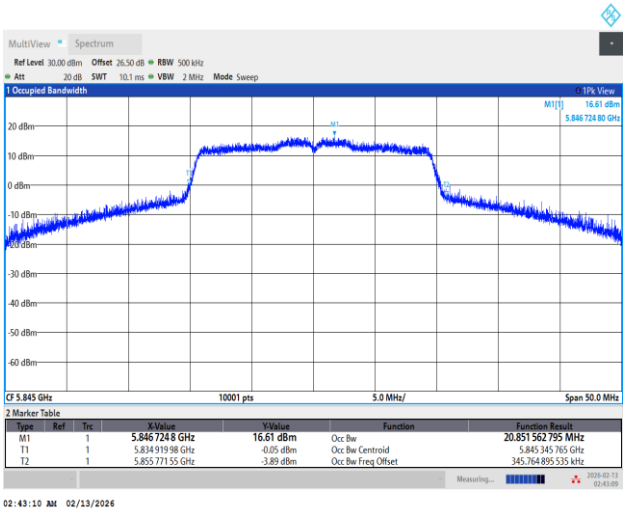
<802.11ac VHT80>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

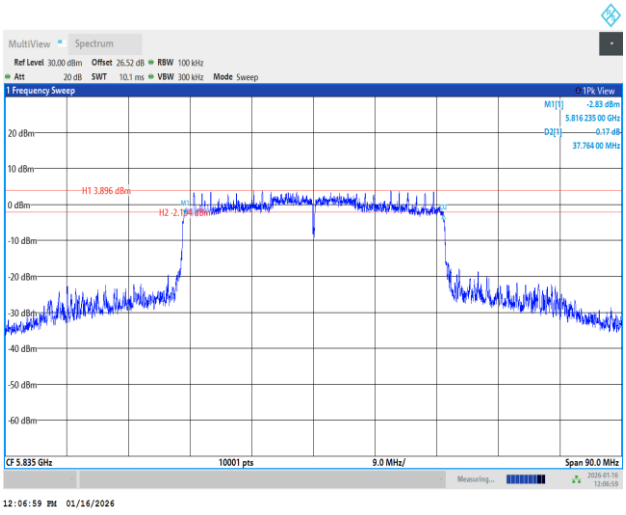
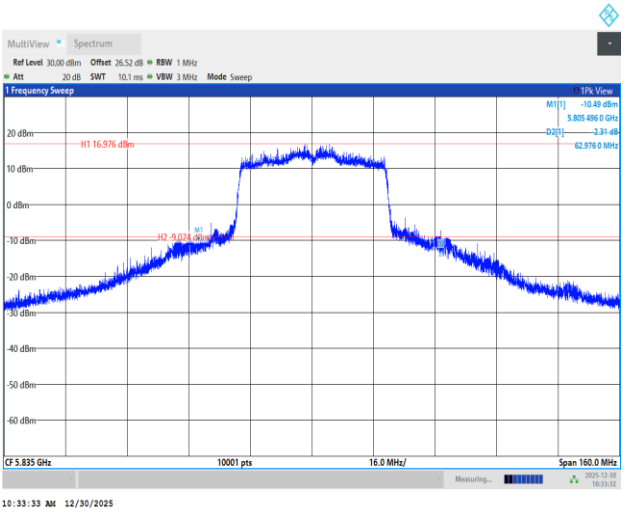
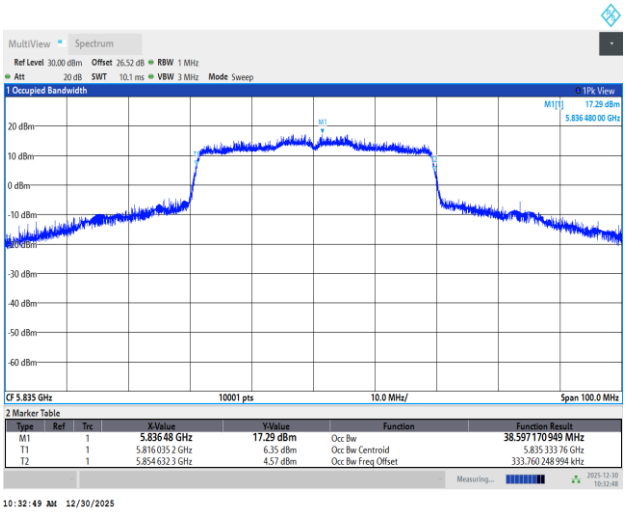
<802.11ac VHT160>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

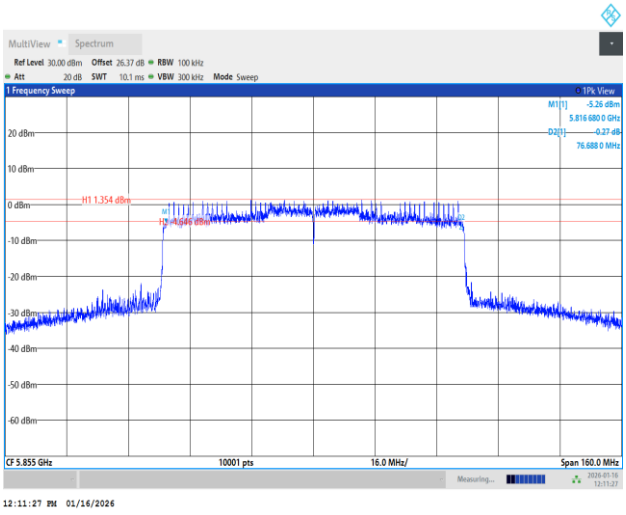
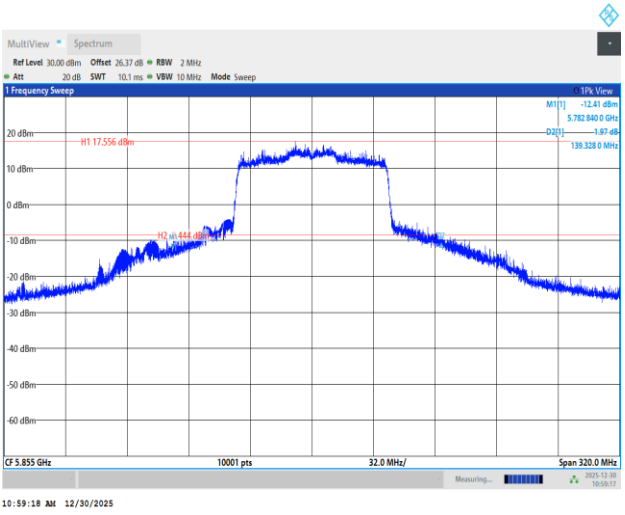
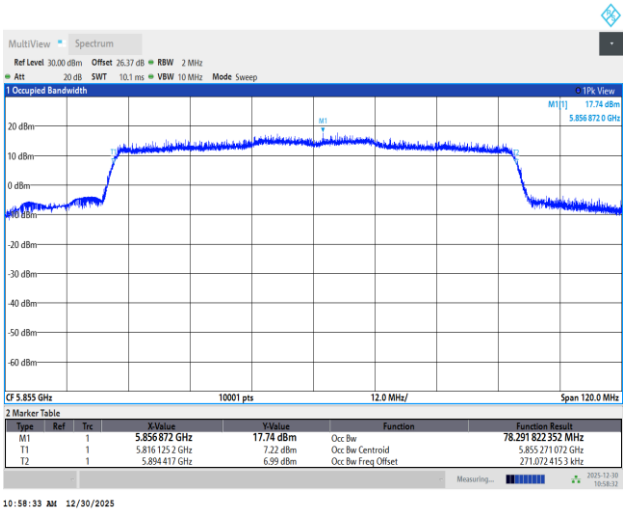
<802.11be EHT20>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

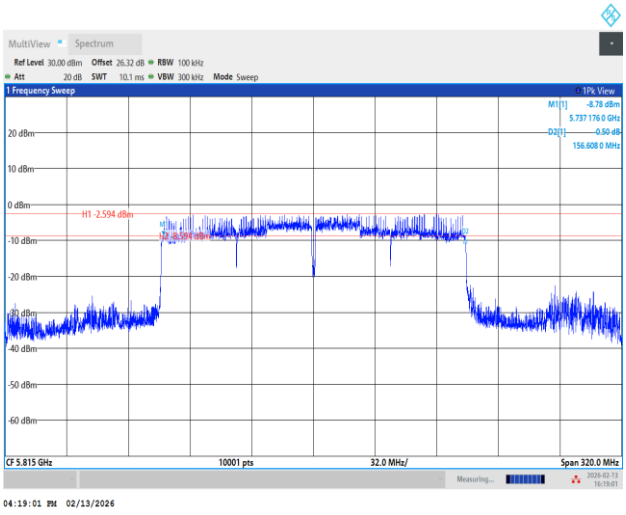
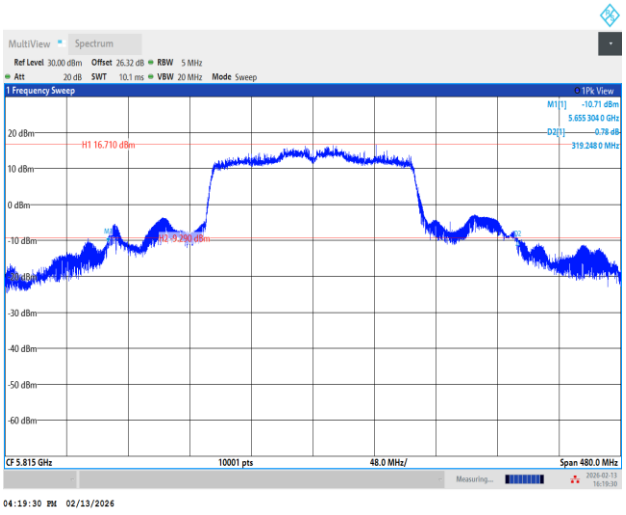
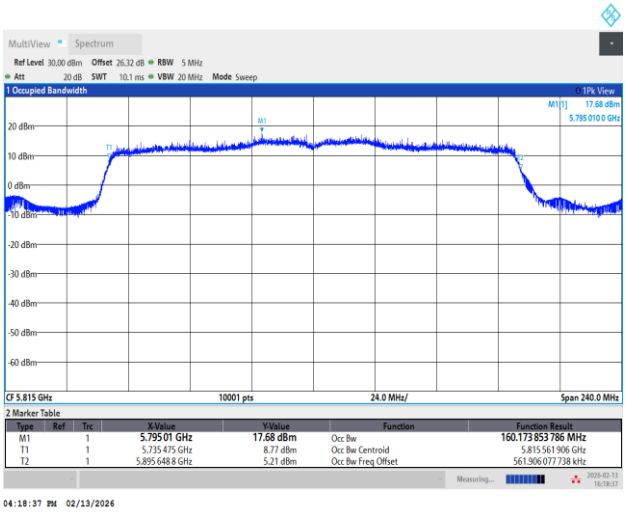
<802.11be EHT40>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

<802.11be EHT80>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

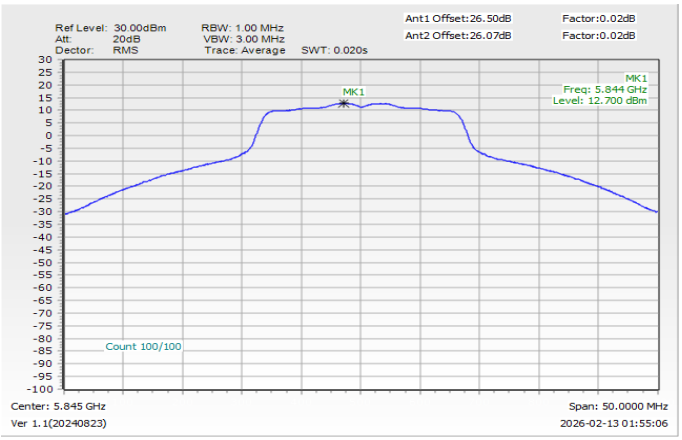
<802.11be EHT160>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

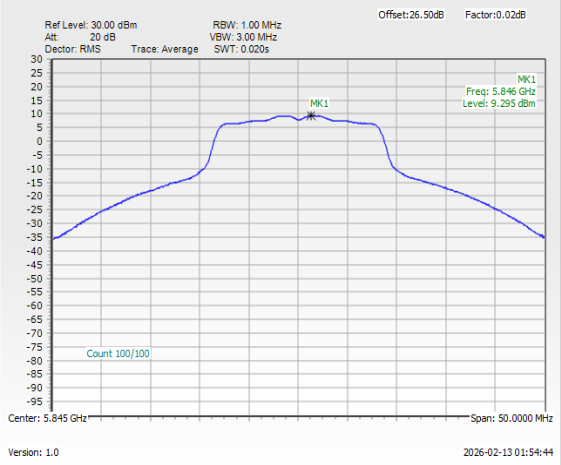
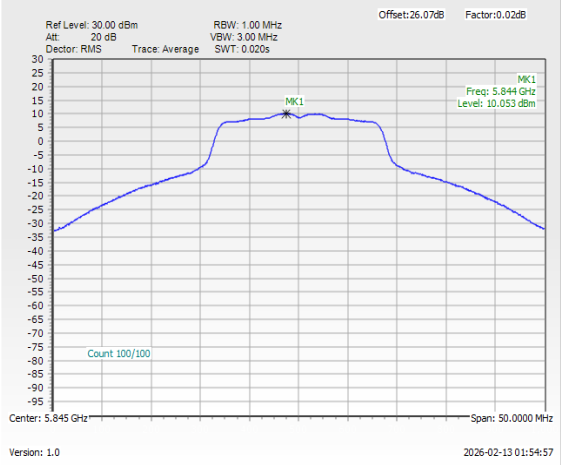
Test Result of Power Spectral Density

<802.11a>

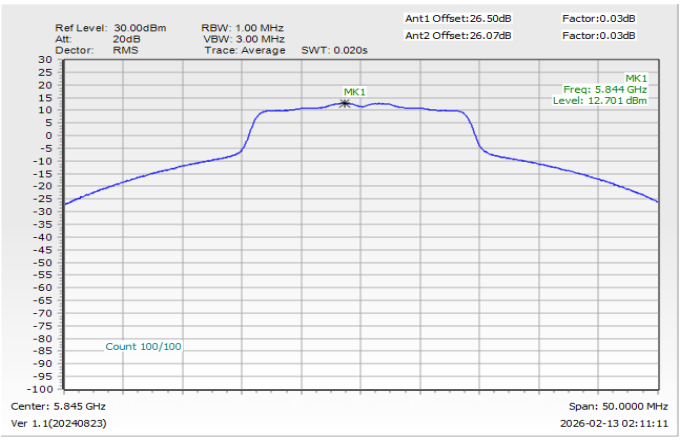
Maximum Power Density Plot (dBm/MHz)



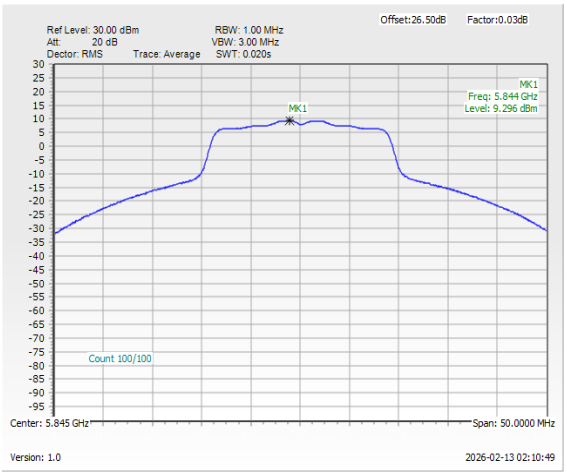
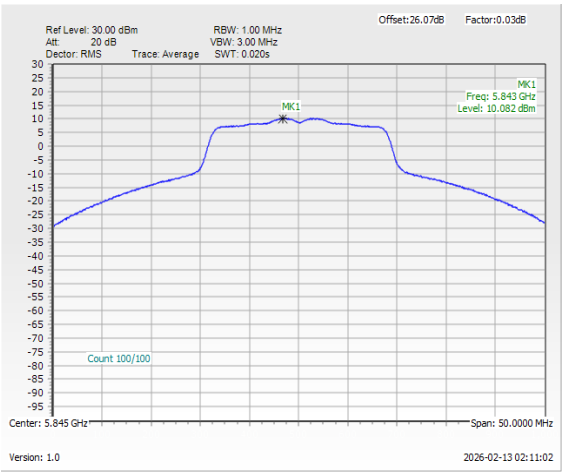
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

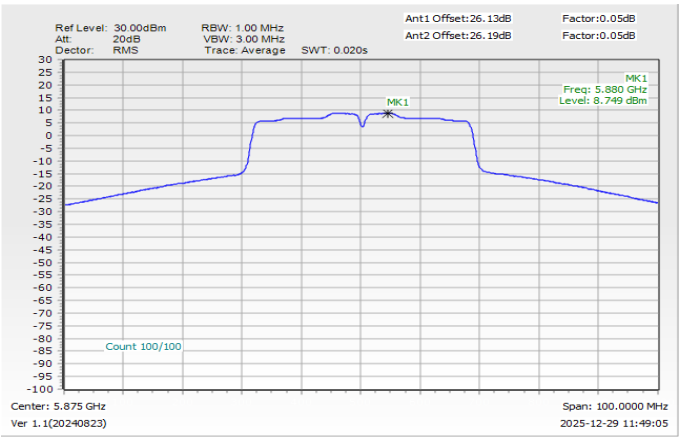
<802.11n HT20>

Maximum Power Density Plot (dBm/MHz)


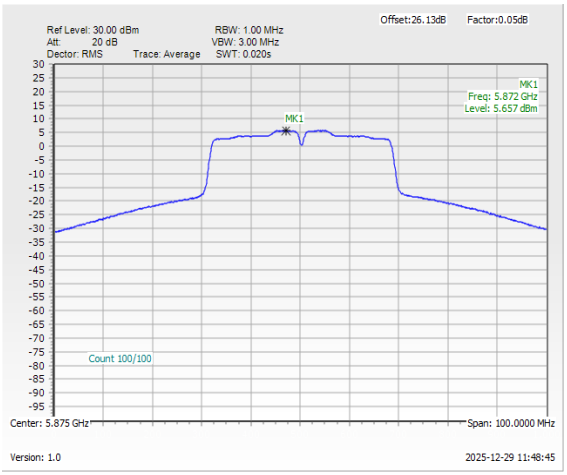
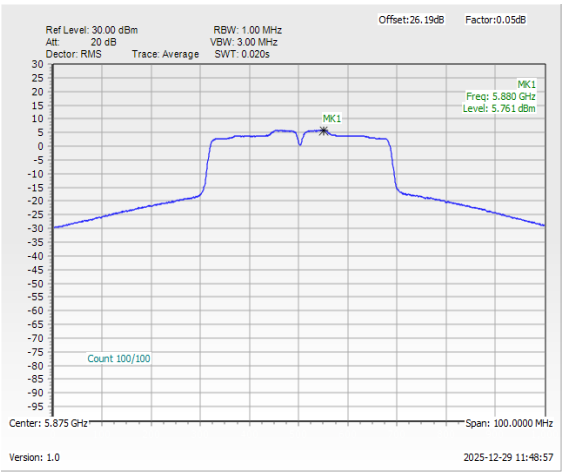
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

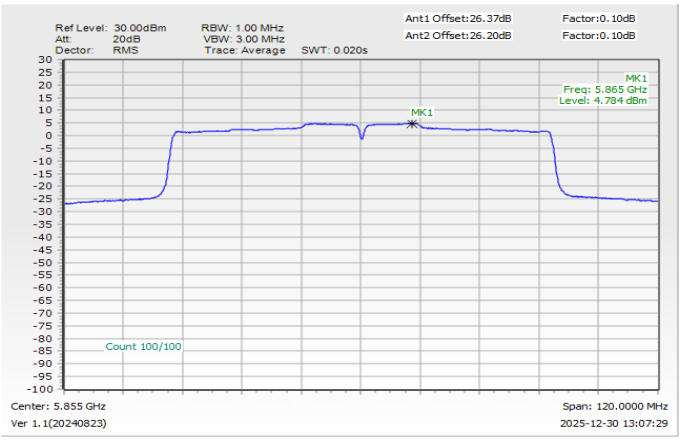
<802.11n HT40>

Maximum Power Density Plot (dBm/MHz)


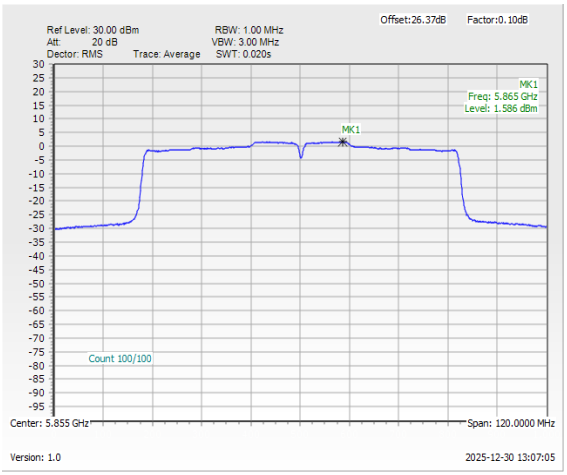
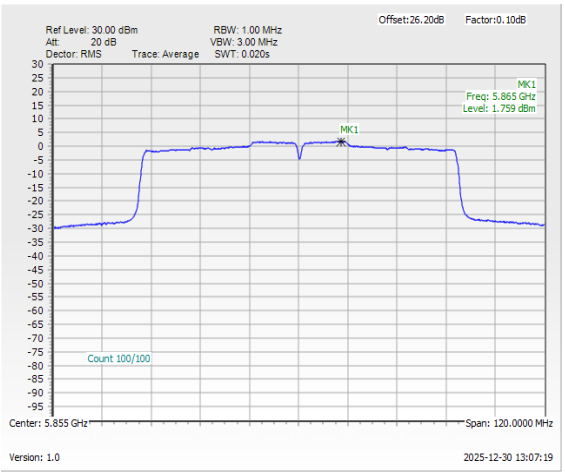
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

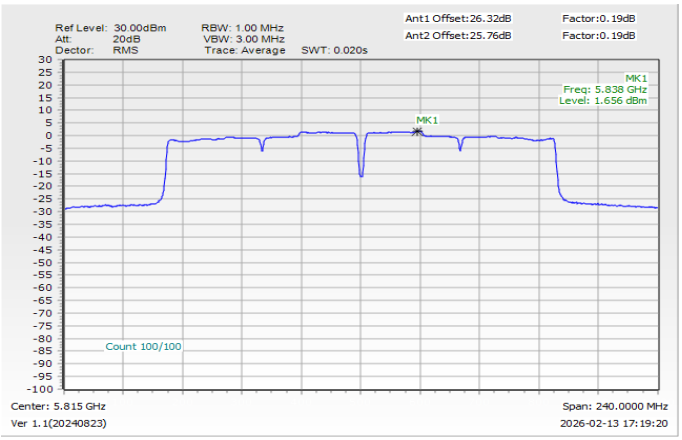
<802.11ac VHT80>

Maximum Power Density Plot (dBm/MHz)


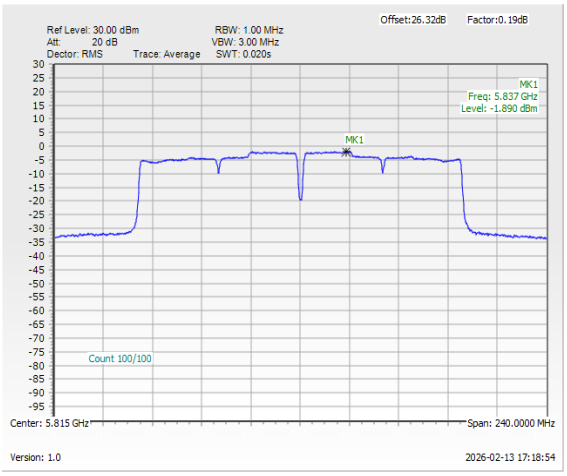
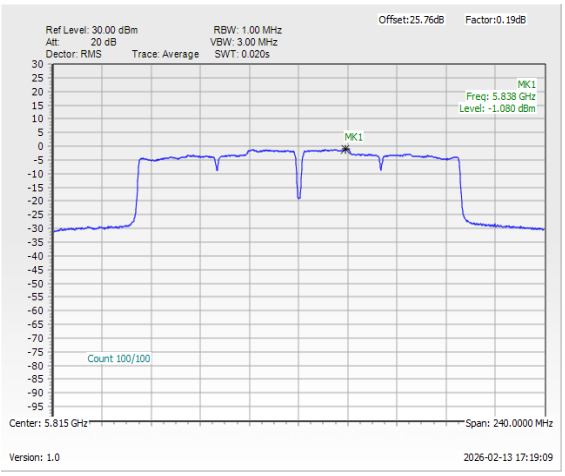
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

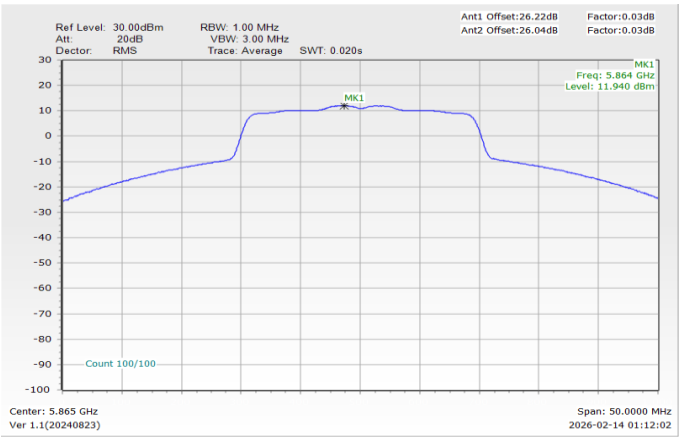
<802.11ac VHT160>

Maximum Power Density Plot (dBm/MHz)


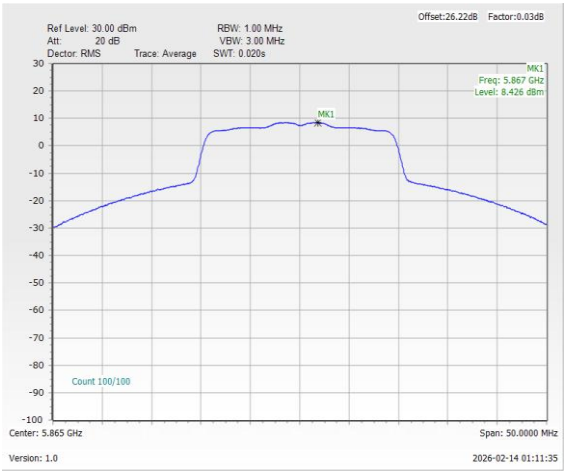
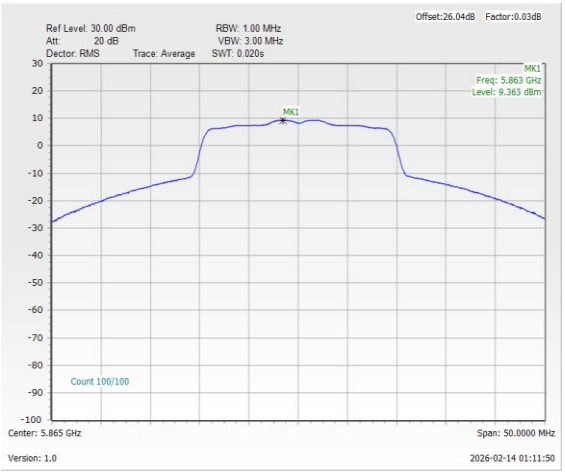
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

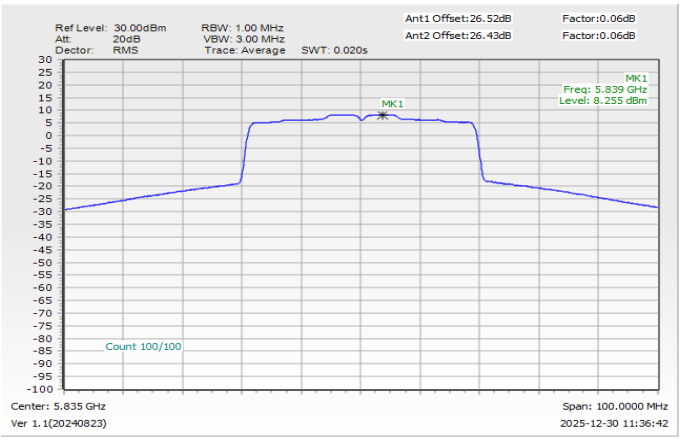
<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)


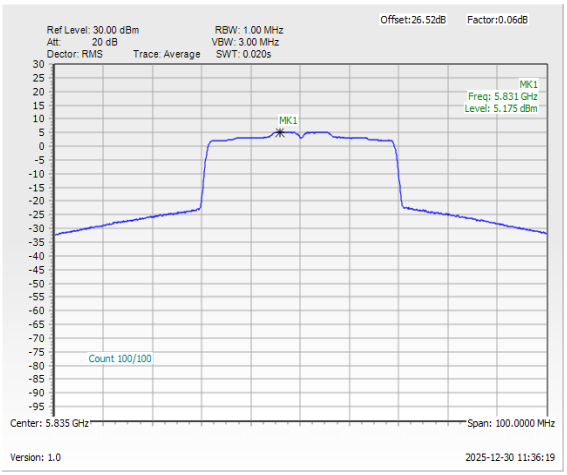
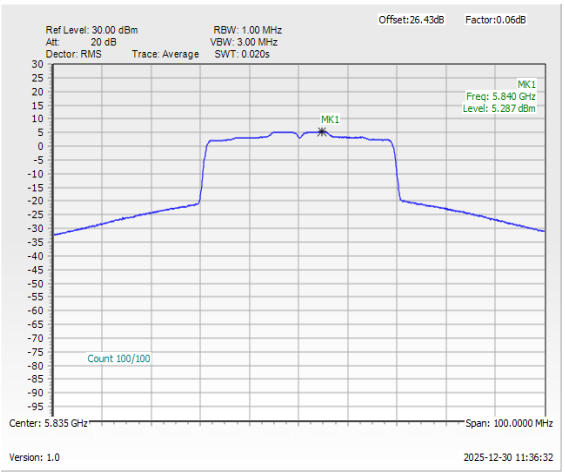
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

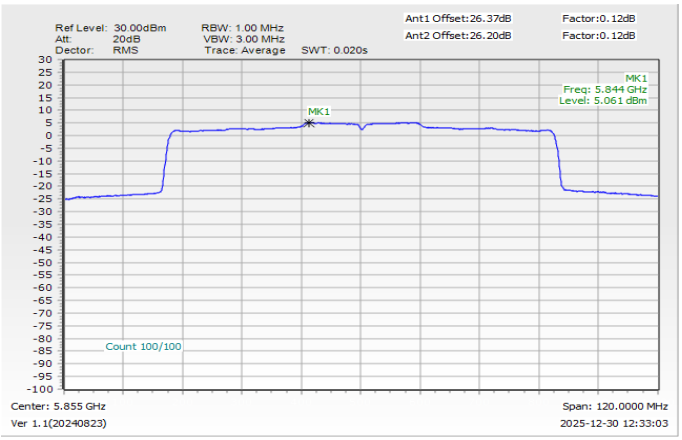
<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)


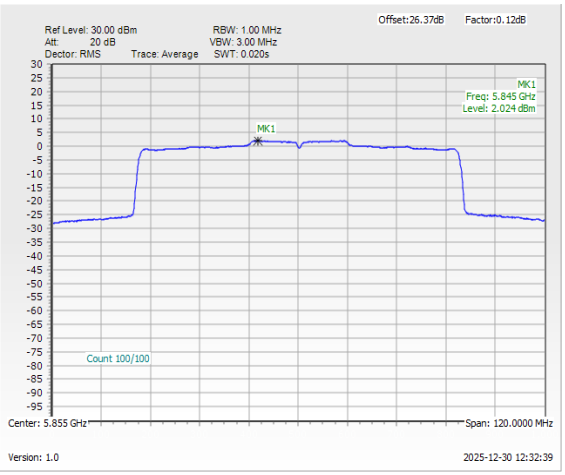
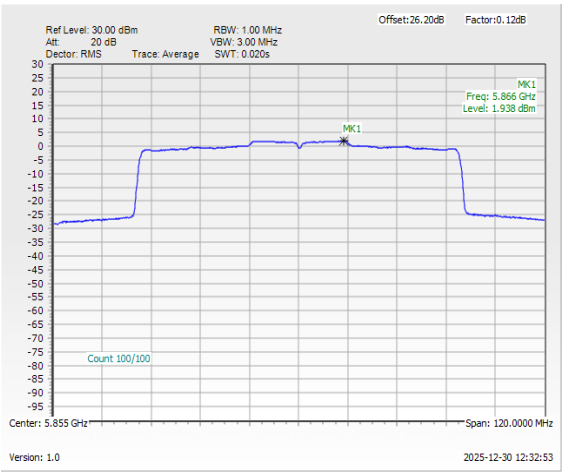
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

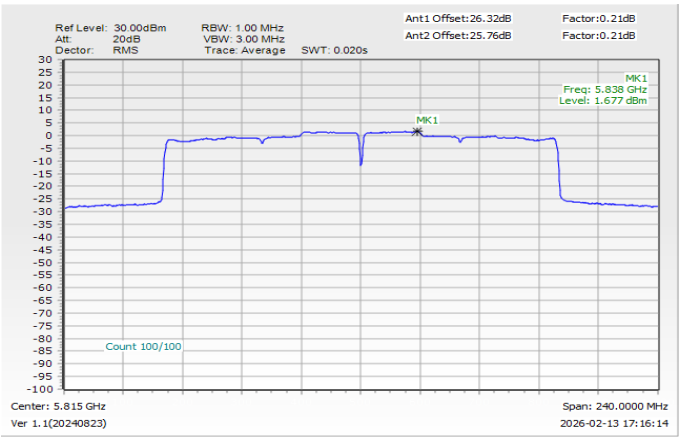
<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)


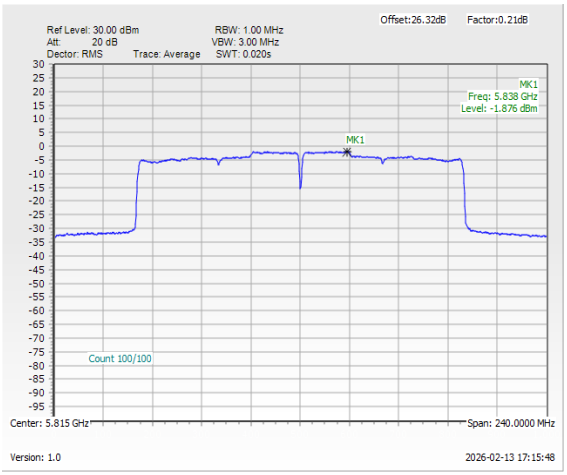
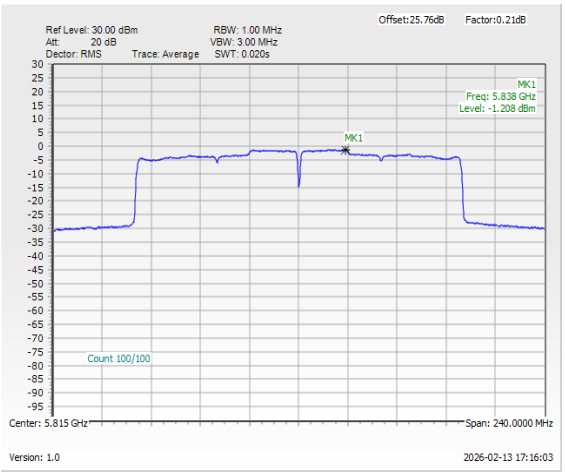
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

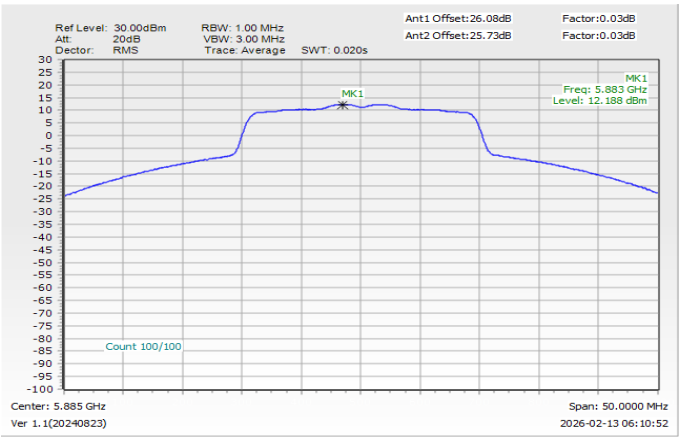
<802.11ax HE160>

Maximum Power Density Plot (dBm/MHz)


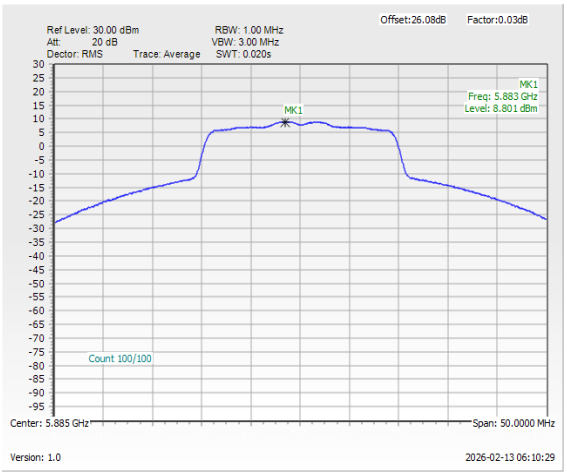
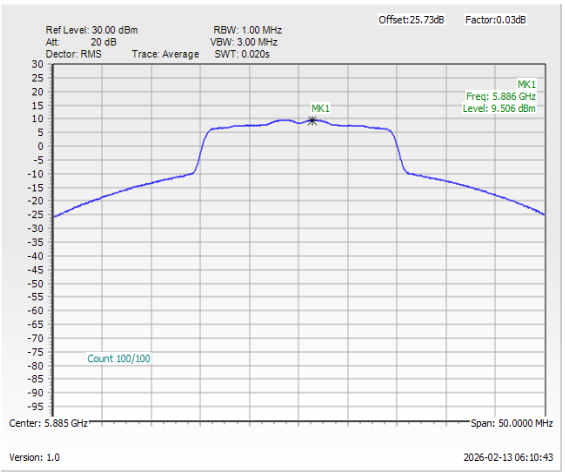
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

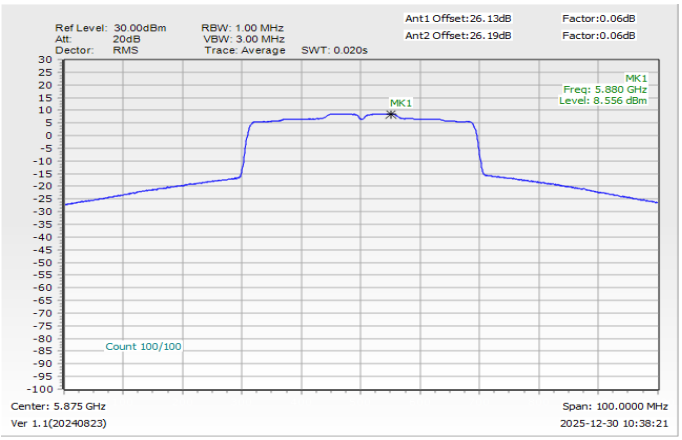
<802.11be EHT20>

Maximum Power Density Plot (dBm/MHz)


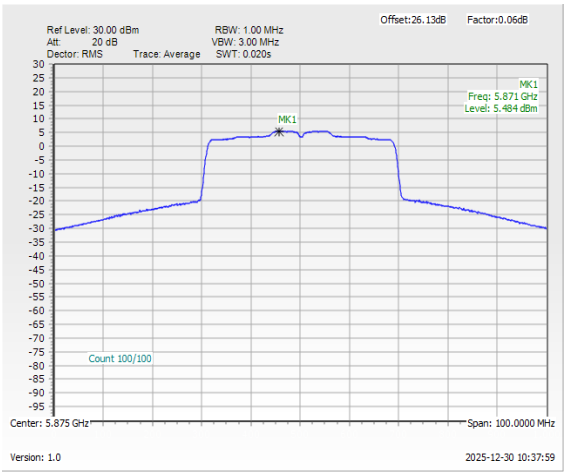
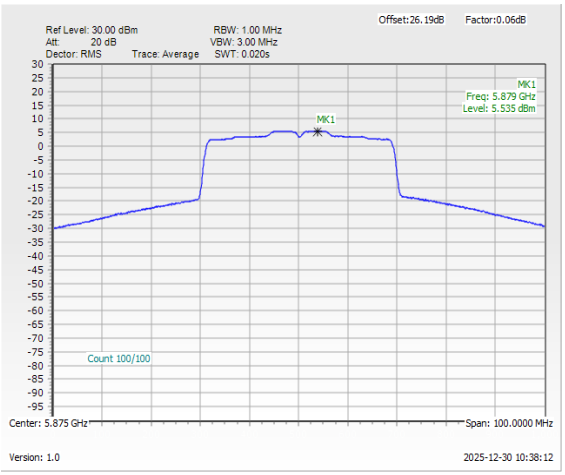
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

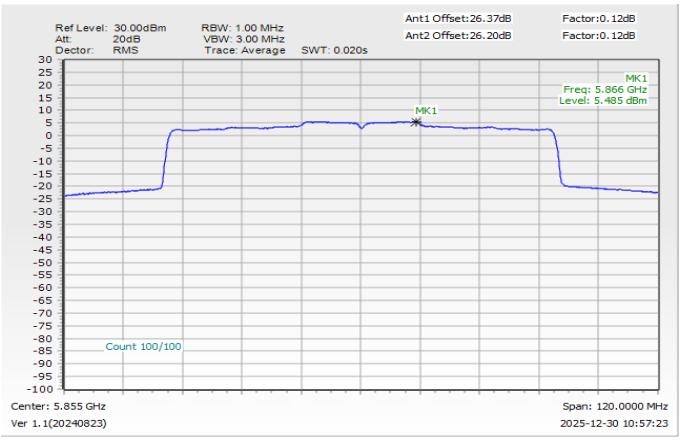
<802.11be EHT40>

Maximum Power Density Plot (dBm/MHz)


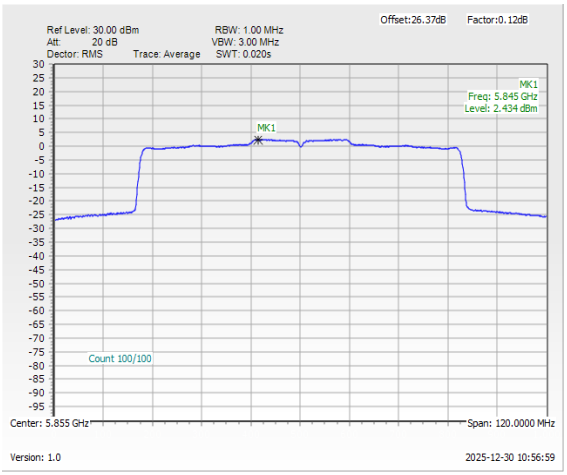
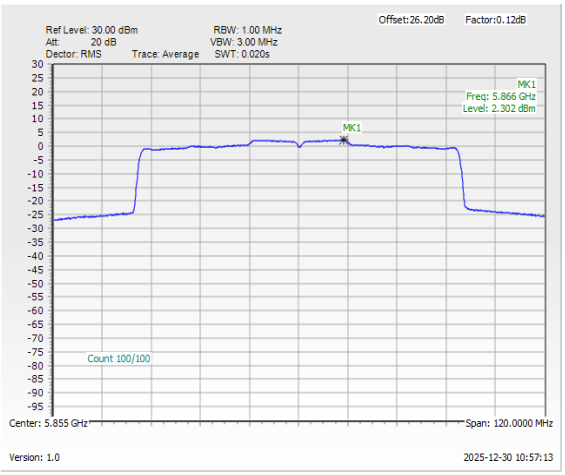
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

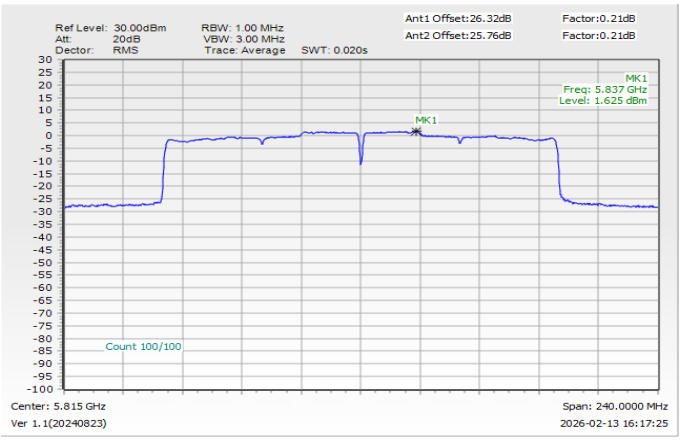
<802.11be EHT80>

Maximum Power Density Plot (dBm/MHz)


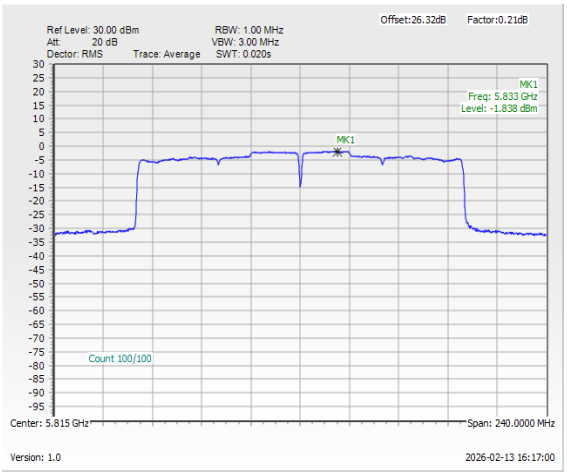
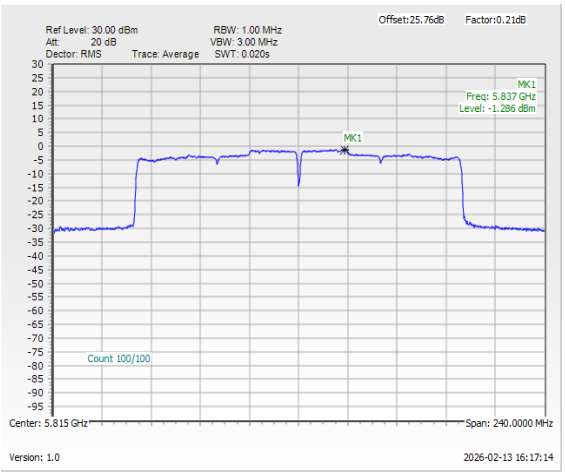
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

<802.11be EHT160>

Maximum Power Density Plot (dBm/MHz)


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

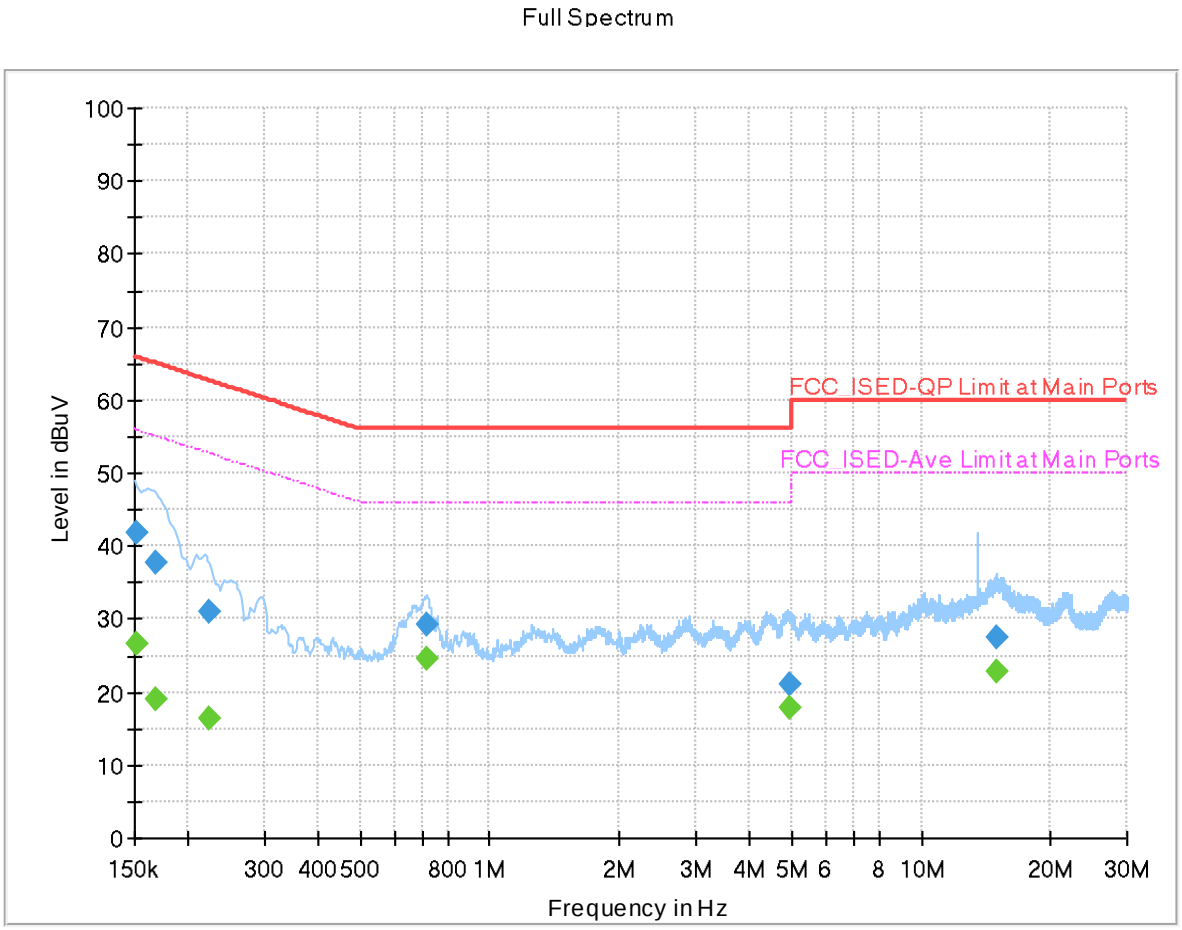
Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Brian Chen	**Temperature :**	23~26℃
		Relative Humidity :	45~55%

EUT Information

Report NO :	5N0803-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

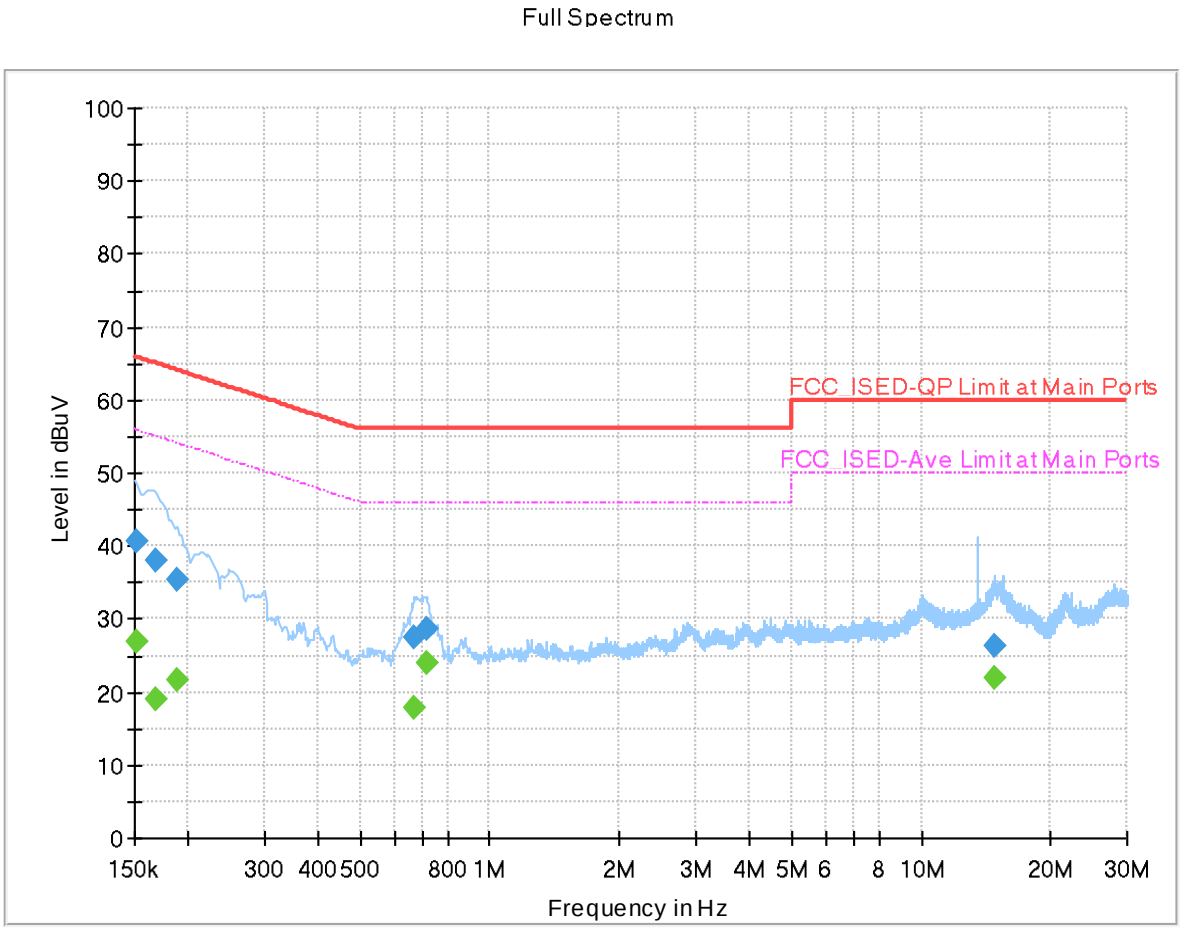


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	26.72	55.88	29.16	L1	ON	20.1
0.152250	41.91	---	65.88	23.97	L1	ON	20.1
0.168000	---	19.08	55.06	35.98	L1	ON	20.1
0.168000	37.83	---	65.06	27.23	L1	ON	20.1
0.224250	---	16.49	52.66	36.17	L1	ON	20.1
0.224250	30.94	---	62.66	31.72	L1	ON	20.1
0.712500	---	24.60	46.00	21.40	L1	ON	20.0
0.712500	29.29	---	56.00	26.71	L1	ON	20.0
4.944750	---	17.71	46.00	28.29	L1	ON	20.2
4.944750	21.19	---	56.00	34.81	L1	ON	20.2
14.887500	---	22.84	50.00	27.16	L1	ON	20.6
14.887500	27.49	---	60.00	32.51	L1	ON	20.6

EUT Information

Report NO :	5N0803-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	26.99	55.88	28.89	N	ON	20.1
0.152250	40.79	---	65.88	25.09	N	ON	20.1
0.168000	---	18.95	55.06	36.11	N	ON	20.1
0.168000	38.05	---	65.06	27.01	N	ON	20.1
0.188250	---	21.52	54.11	32.59	N	ON	20.1
0.188250	35.43	---	64.11	28.68	N	ON	20.1
0.667500	---	17.89	46.00	28.11	N	ON	20.0
0.667500	27.42	---	56.00	28.58	N	ON	20.0
0.714750	---	23.90	46.00	22.10	N	ON	20.0
0.714750	28.59	---	56.00	27.41	N	ON	20.0
14.732250	---	21.84	50.00	28.16	N	ON	20.6
14.732250	26.32	---	60.00	33.68	N	ON	20.6

Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	Sam Pan , Quentin Liu , Bigshow Wang	**Temperature :**	19~23°C
		Relative Humidity :	60~64.5%

Note symbol

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

C1. Radiated Spurious Emission Test Modes

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 78	U-NII-4	5.85-5.895	3+4	802.11a	169	5845	MCS0	-	-
Mode 79	U-NII-4	5.85-5.895	3+4	802.11a	173	5865	MCS0	-	-
Mode 80	U-NII-4	5.85-5.895	3+4	802.11a	177	5885	MCS0	-	-
Mode 81	U-NII-4	5.85-5.895	3+4	802.11n HT20	169	5845	MCS0	-	-
Mode 82	U-NII-4	5.85-5.895	3+4	802.11n HT20	173	5865	MCS0	-	-
Mode 83	U-NII-4	5.85-5.895	3+4	802.11n HT20	177	5885	MCS0	-	-
Mode 84	U-NII-4	5.85-5.895	3+4	802.11n HT40	167	5835	MCS0	-	-
Mode 85	U-NII-4	5.85-5.895	3+4	802.11n HT40	175	5875	MCS0	-	-
Mode 86	U-NII-4	5.85-5.895	3+4	802.11ac VHT80	171	5855	MCS0	-	-
Mode 87	U-NII-4	5.725-5.85	3+4	802.11ac VHT160	163	5815	MCS0	-	-
Mode 88	U-NII-4	5.85-5.895	3+4	802.11be EHT20	169	5845	MCS0	Full RU	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 89	U-NII-4	5.85-5.895	3+4	802.11be EHT20	169	5845	MCS0	Partial RU 26/0	-
Mode 90	U-NII-4	5.85-5.895	3+4	802.11be EHT20	169	5845	MCS0	Partial RU 52/37	-
Mode 91	U-NII-4	5.85-5.895	3+4	802.11be EHT20	169	5845	MCS0	Partial RU 106/53	-
Mode 92	U-NII-4	5.85-5.895	3+4	802.11be EHT20	173	5865	MCS0	Full RU	-
Mode 93	U-NII-4	5.85-5.895	3+4	802.11be EHT20	177	5885	MCS0	Full RU	-
Mode 94	U-NII-4	5.85-5.895	3+4	802.11be EHT20	177	5885	MCS0	Partial RU 26/8	-
Mode 95	U-NII-4	5.85-5.895	3+4	802.11be EHT20	177	5885	MCS0	Partial RU 52/40	-
Mode 96	U-NII-4	5.85-5.895	3+4	802.11be EHT20	177	5885	MCS0	Partial RU 106/54	-
Mode 97	U-NII-4	5.85-5.895	3+4	802.11be EHT40	167	5835	MCS0	Full RU	-
Mode 98	U-NII-4	5.85-5.895	3+4	802.11be EHT40	175	5875	MCS0	Full RU	-
Mode 99	U-NII-4	5.85-5.895	3+4	802.11be EHT80	171	5855	MCS0	Full RU	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 100	U-NII-4	5.725-5.85	3+4	802.11be EHT160	163	5815	MCS0	Full RU	-
Mode 110	U-NII-4	5.725-5.85	3+4	802.11be EHT160	163	5815	MCS0	Full RU	LF
Mode 111	U-NII-4	5.725-5.85	3+4	802.11be EHT160	163	5815	MCS0	Full RU	SHF

C2. Summary of each worse mode

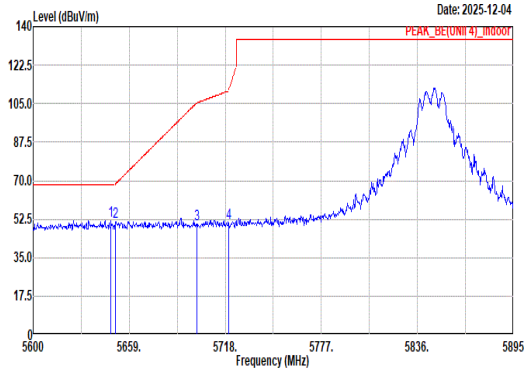
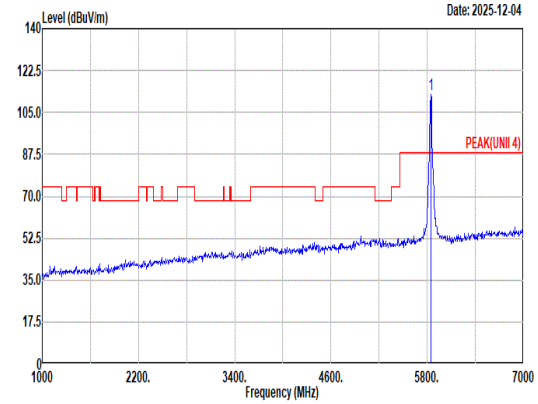
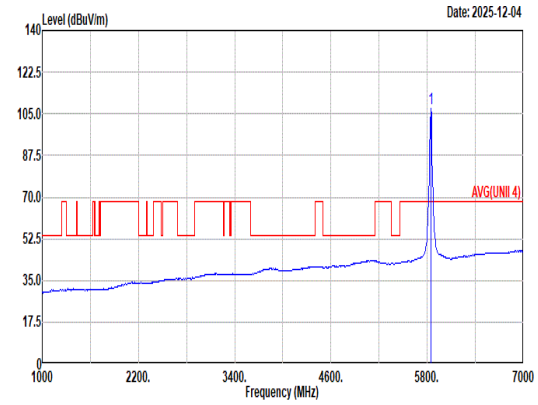
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
78	802.11a	169	5647.79	51.85	68.20	-16.35	H	Peak	Pass	-	Band Edge
	802.11a	169	11690.00	38.58	54.00	-15.42	H	Avg.	Pass	-	Harmonic
79	802.11a	173	5647.79	51.83	68.20	-16.37	H	Peak	Pass	-	Band Edge
	802.11a	173	11730.00	38.86	54.00	-15.14	V	Avg.	Pass	-	Harmonic
80	802.11a	177	5632.45	51.61	68.20	-16.59	H	Peak	Pass	-	Band Edge
	802.11a	177	11770.00	38.30	54.00	-15.70	H	Avg.	Pass	-	Harmonic
81	802.11n HT20	169	5627.73	52.27	68.20	-15.93	V	Peak	Pass	-	Band Edge
	802.11n HT20	169	11690.00	47.36	74.00	-26.64	V	Peak	Pass	-	Harmonic
82	802.11n HT20	173	5605.61	52.44	68.20	-15.76	H	Peak	Pass	-	Band Edge
	802.11n HT20	173	11730.00	38.25	54.00	-15.75	V	Avg.	Pass	-	Harmonic
83	802.11n HT20	177	5644.25	51.39	68.20	-16.81	V	Peak	Pass	-	Band Edge

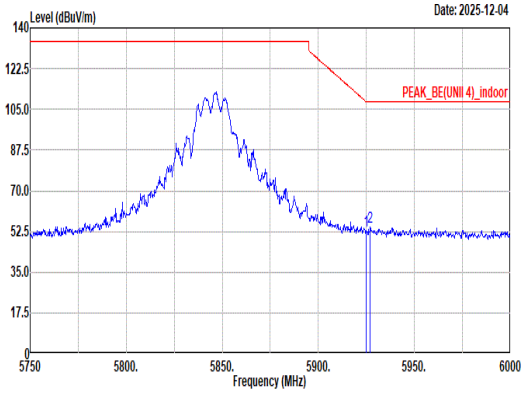
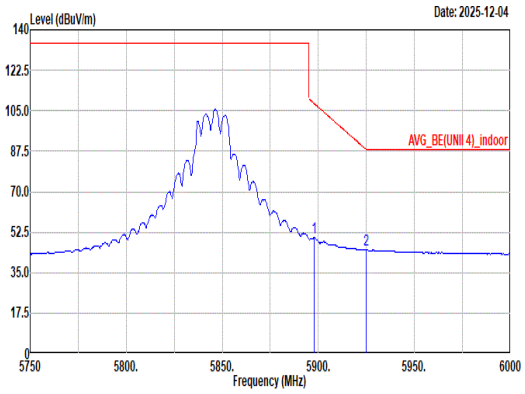
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
83	802.11n HT20	177	11770.00	38.57	54.00	-15.43	H	Avg.	Pass	-	Harmonic
84	802.11n HT40	167	5644.25	56.41	68.20	-11.79	H	Peak	Pass	-	Band Edge
	802.11n HT40	167	11670.00	38.48	54.00	-15.52	H	Avg.	Pass	-	Harmonic
85	802.11n HT40	175	5647.20	53.97	68.20	-14.23	V	Peak	Pass	-	Band Edge
	802.11n HT40	175	11750.00	38.24	54.00	-15.76	V	Avg.	Pass	-	Harmonic
86	802.11ac VHT80	171	5642.19	64.32	68.20	-3.88	H	Peak	Pass	-	Band Edge
	802.11ac VHT80	171	11710.00	38.34	54.00	-15.66	H	Avg.	Pass	-	Harmonic
87	802.11ac VHT160	163	5643.96	66.43	68.20	-1.77	H	Peak	Pass	-	Band Edge
	802.11ac VHT160	163	11630.00	38.17	54.00	-15.83	H	Avg.	Pass	-	Harmonic
88	802.11be EHT20	169	5643.37	51.52	68.20	-16.68	H	Peak	Pass	Full RU	Band Edge
	802.11be EHT20	169	11690.00	47.28	74.00	-26.72	H	Peak	Pass	Full RU	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
89	802.11be EHT20	169	5616.52	52.47	68.20	-15.73	H	Peak	Pass	Partial RU 26/0	Band Edge
	802.11be EHT20	169	-	-	-	-	-	-	-	Partial RU 26/0	Harmonic
90	802.11be EHT20	169	5634.52	52.19	68.20	-16.01	V	Peak	Pass	Partial RU 52/37	Band Edge
	802.11be EHT20	169	-	-	-	-	-	-	-	Partial RU 52/37	Harmonic
91	802.11be EHT20	169	5624.19	51.92	68.20	-16.28	V	Peak	Pass	Partial RU 106/53	Band Edge
	802.11be EHT20	169	-	-	-	-	-	-	-	Partial RU 106/53	Harmonic
92	802.11be EHT20	173	5608.56	51.59	68.20	-16.61	V	Peak	Pass	Full RU	Band Edge
	802.11be EHT20	173	11730.00	47.26	74.00	-26.74	H	Peak	Pass	Full RU	Harmonic
93	802.11be EHT20	177	5630.39	51.66	68.20	-16.54	V	Peak	Pass	Full RU	Band Edge
	802.11be EHT20	177	11770.00	47.67	74.00	-26.33	H	Peak	Pass	Full RU	Harmonic
94	802.11be EHT20	177	5895.25	101.59	110.02	-8.43	H	Avg.	Pass	Partial RU 26/8	Band Edge

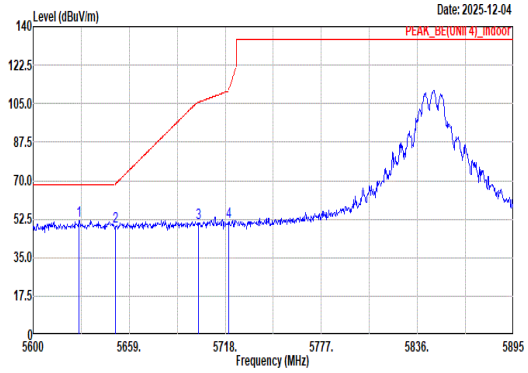
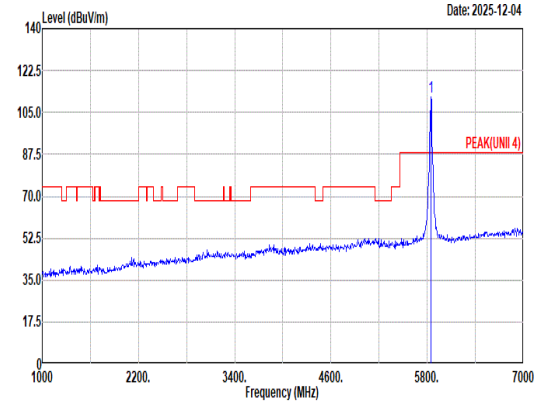
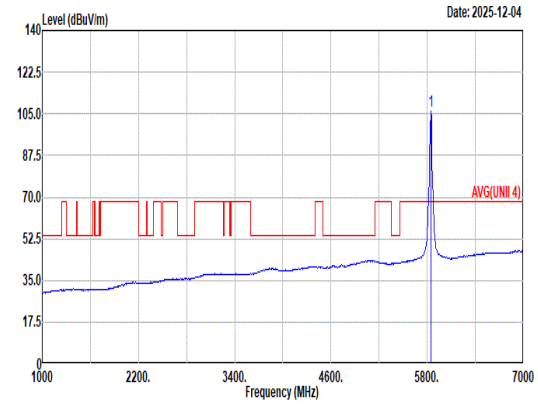
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
94	802.11be EHT20	177	-	-	-	-	-	-	-	Partial RU 26/8	Harmonic
95	802.11be EHT20	177	5895.25	97.27	110.02	-12.75	H	Avg.	Pass	Partial RU 52/40	Band Edge
	802.11be EHT20	177	-	-	-	-	-	-	-	Partial RU 52/40	Harmonic
96	802.11be EHT20	177	5630.09	51.38	68.20	-16.82	H	Peak	Pass	Partial RU 106/54	Band Edge
	802.11be EHT20	177	-	-	-	-	-	-	-	Partial RU 106/54	Harmonic
97	802.11be EHT40	167	5646.91	57.56	68.20	-10.64	V	Peak	Pass	Full RU	Band Edge
	802.11be EHT40	167	11670.00	38.49	54.00	-15.51	V	Avg.	Pass	Full RU	Harmonic
98	802.11be EHT40	175	5924.25	74.13	88.75	-14.62	V	Avg.	Pass	Full RU	Band Edge
	802.11be EHT40	175	11750.00	38.26	54.00	-15.74	V	Avg.	Pass	Full RU	Harmonic
99	802.11be EHT80	171	5641.89	63.45	68.20	-4.75	V	Peak	Pass	Full RU	Band Edge
	802.11be EHT80	171	11710.00	38.34	54.00	-15.66	H	Avg.	Pass	Full RU	Harmonic

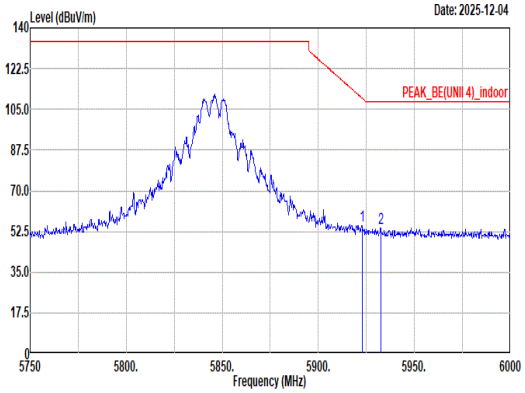
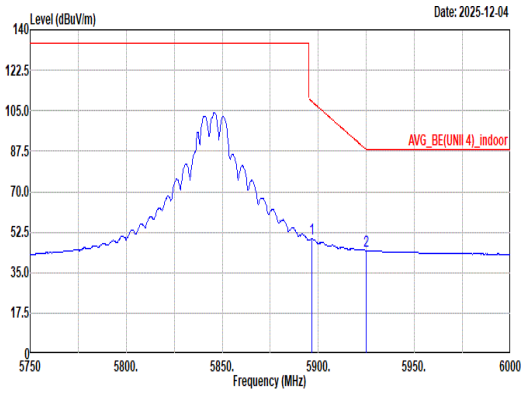
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
100	802.11be EHT160	163	5640.12	66.63	68.20	-1.57	V	Peak	Pass	Full RU	Band Edge
	802.11be EHT160	163	11630.00	38.52	54.00	-15.48	V	Avg.	Pass	Full RU	Harmonic
110	LF	163	49.40	33.43	40.00	-6.57	V	Peak	Pass	-	LF
111	SHF	163	36909.00	46.15	68.20	-22.05	V	Peak	Pass	-	SHF

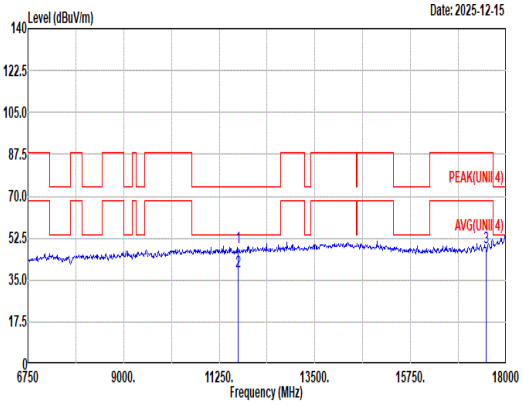
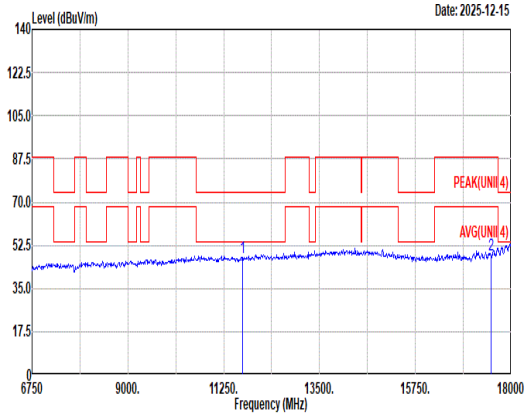
Mode	78	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11a_CH169_5845MHz	
ANT	3+4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5647.79 51.85 68.20 -16.35 42.21 33.19 13.25 36.80 0.00 100 304 Peak 2 5650.74 51.35 68.75 -17.40 41.69 33.21 13.25 36.80 0.00 100 304 Peak 3 5700.60 50.43 105.37 -54.94 40.20 33.70 13.33 36.80 0.00 100 304 Peak 4 5720.07 50.98 110.95 -59.97 40.64 33.78 13.35 36.79 0.00 100 304 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 5845.00 112.71 ------ ------ 101.83 34.10 13.56 36.78 0.00 100 304 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 5845.00 107.24 ------ ------ 96.36 34.10 13.56 36.78 0.00 100 304 Average

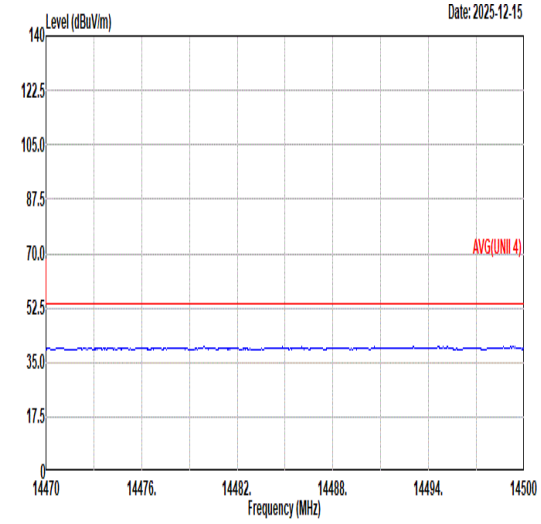
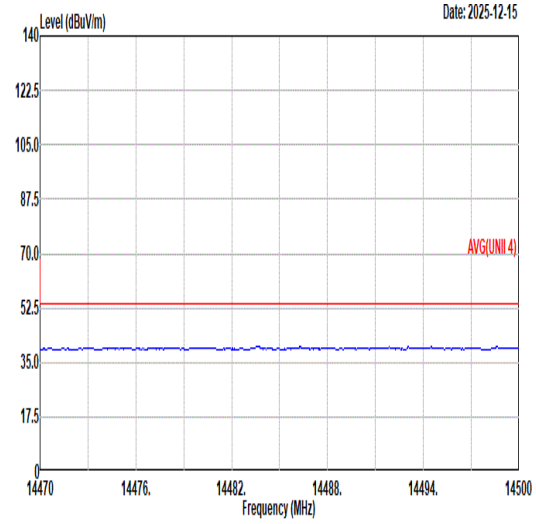
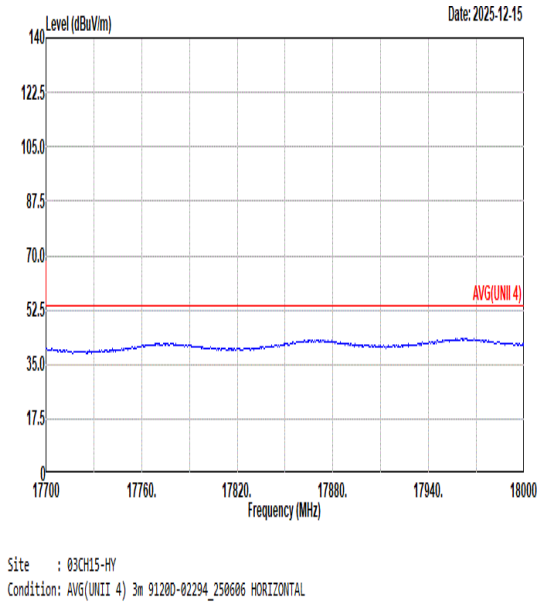
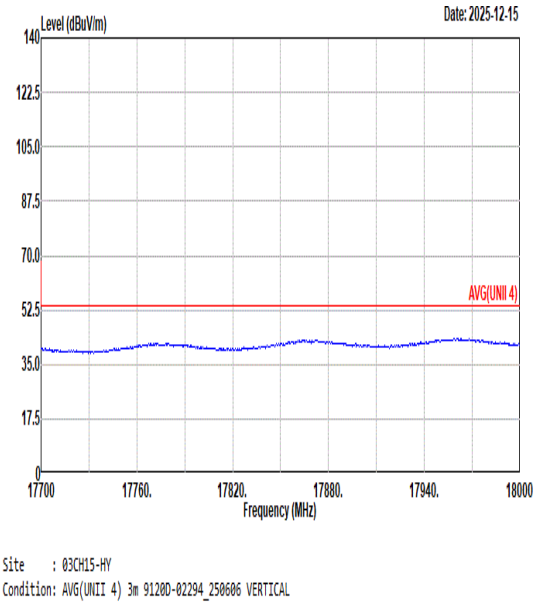
Mode	78	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH169_5845MHz	
ANT	3+4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5925.00 53.07 108.20 -55.13 41.89 34.25 13.70 36.77 0.00 100 304 Peak 2 5927.00 54.42 108.20 -53.78 43.24 34.25 13.70 36.77 0.00 100 304 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 5898.00 50.02 107.99 -57.97 38.85 34.29 13.65 36.77 0.00 100 304 Average 2 5925.00 44.80 88.20 -43.40 33.62 34.25 13.70 36.77 0.00 100 304 Average	Blank

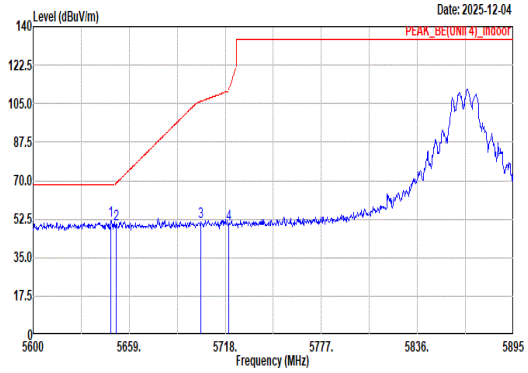
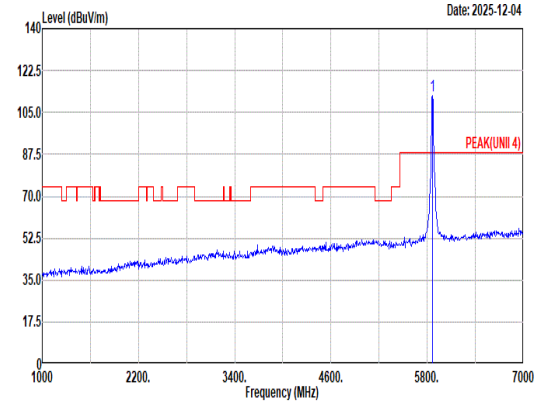
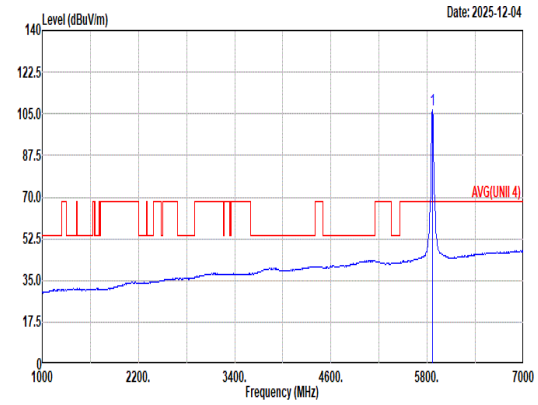
Mode	78
	Band Edge - L
	U-NII-4_5.85-5.895_802.11a_CH169_5845MHz
ANT	3+4

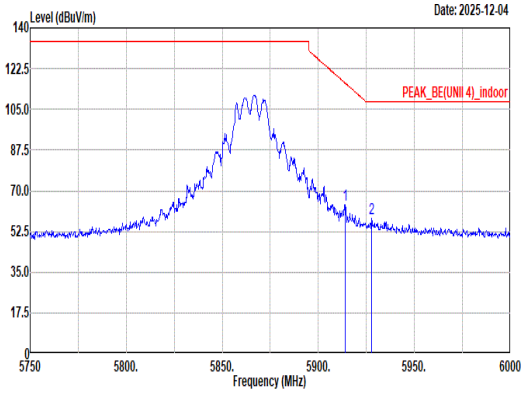
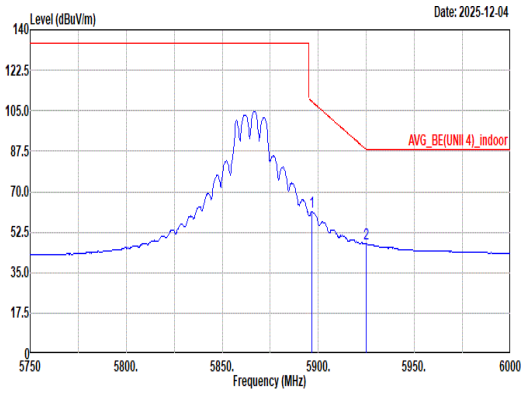
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5628.32 51.52 68.20 -16.68 42.03 33.07 13.22 36.80 0.00 100 344 Peak 2 5650.74 49.12 68.75 -19.63 39.46 33.21 13.25 36.80 0.00 100 344 Peak 3 5701.48 50.80 105.62 -54.82 40.56 33.71 13.33 36.80 0.00 100 344 Peak 4 5720.07 51.33 110.95 -59.62 40.99 33.78 13.35 36.79 0.00 100 344 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 5845.00 111.40 ------ ------ 100.52 34.10 13.56 36.78 0.00 100 344 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 5845.00 106.05 ------ ------ 95.17 34.10 13.56 36.78 0.00 100 344 Average

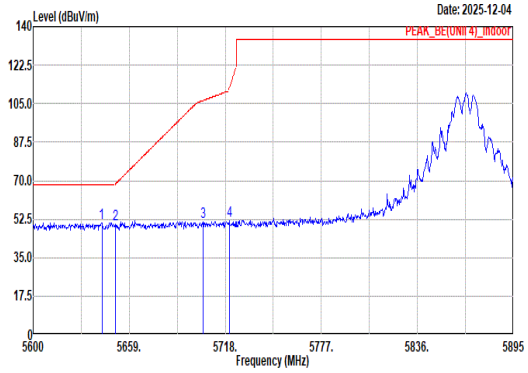
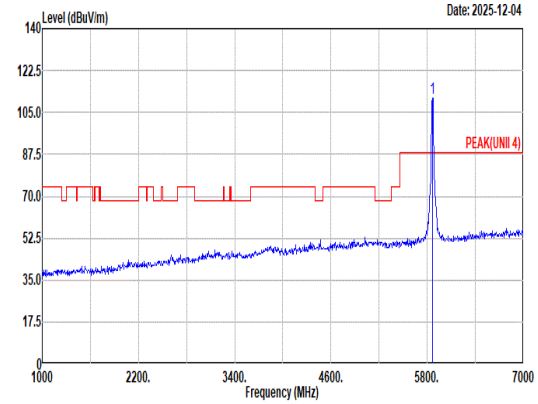
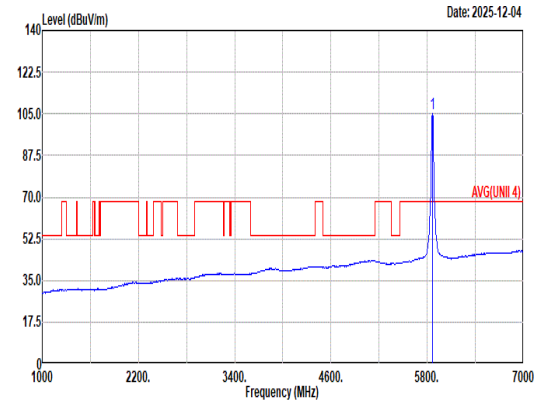
Mode	78	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH169_5845MHz	
ANT	3+4	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5922.75 55.04 109.85 -54.81 43.86 34.25 13.70 36.77 0.00 100 344 Peak 2 5932.50 54.15 108.20 -54.05 42.96 34.24 13.72 36.77 0.00 100 344 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 5896.75 49.48 108.91 -59.43 38.31 34.29 13.65 36.77 0.00 100 344 Average 2 5925.00 44.60 88.20 -43.60 33.42 34.25 13.70 36.77 0.00 100 344 Average	Blank

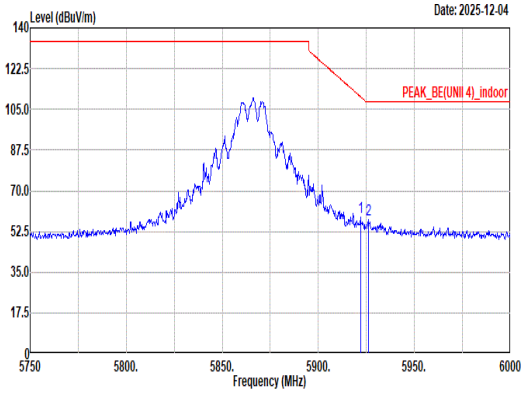
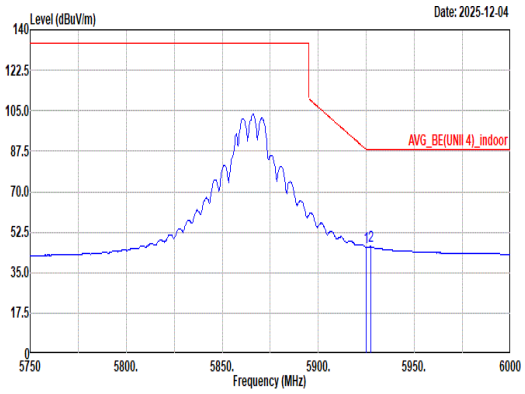
Mode	78	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH169_5845MHz	
ANT	3+4	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH15-HY Condition: PEAK(UNII 4) 3m 9120D-02294_250606 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11690.00 48.64 74.00 -25.36 47.11 38.78 19.51 57.32 0.56 -- -- Peak 2 11690.00 38.58 54.00 -15.42 37.05 38.78 19.51 57.32 0.56 -- -- Average 3 17535.00 48.62 88.20 -39.58 44.29 38.84 24.09 59.04 0.44 -- -- Peak	 Site : 03CH15-HY Condition: PEAK(UNII 4) 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 11690.00 47.80 74.00 -26.20 46.27 38.78 19.51 57.32 0.56 -- -- Peak 2 17535.00 48.86 88.20 -39.34 44.53 38.84 24.09 59.04 0.44 -- -- Peak

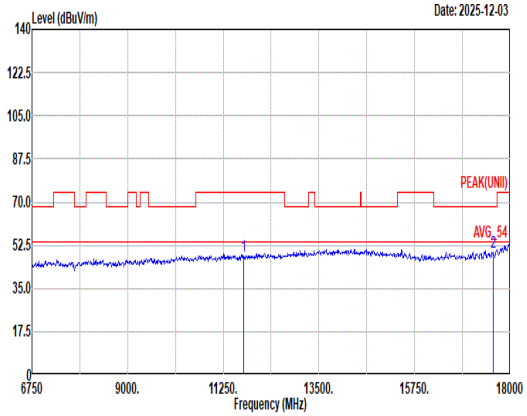
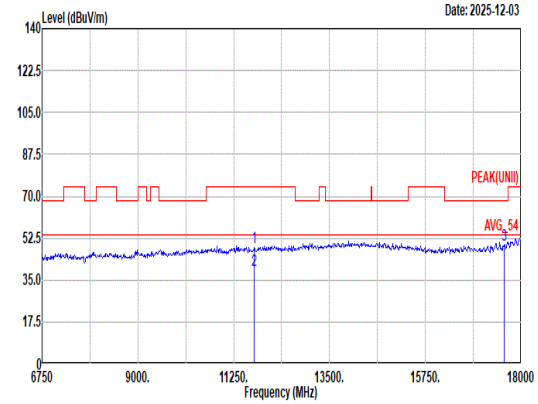
Mode	78	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH169_5845MHz	
ANT	3+4	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg		
17.7G ~18G Avg		

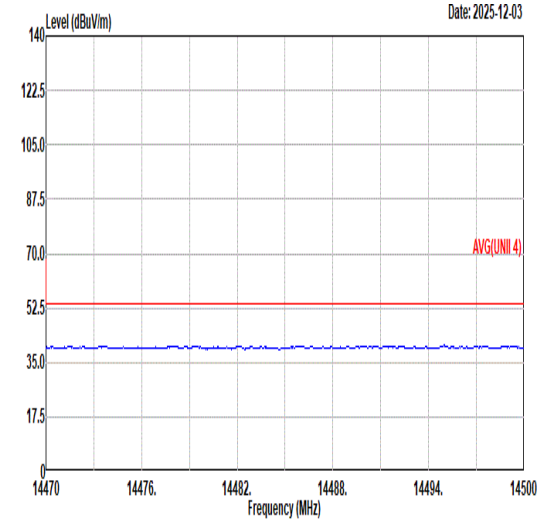
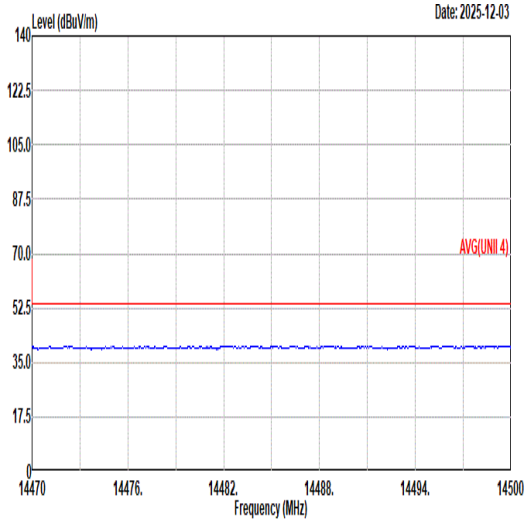
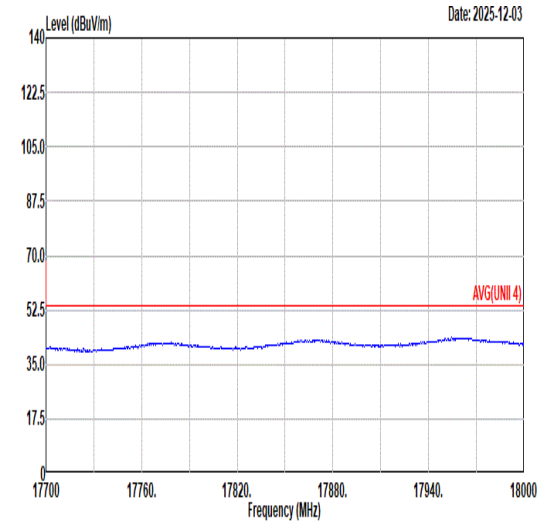
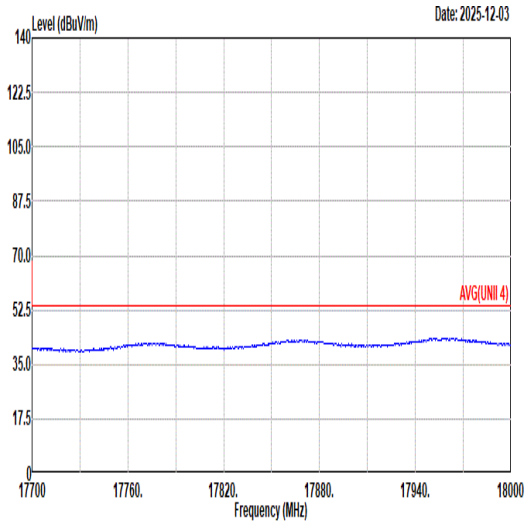
Mode	79	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11a_CH173_5865MHz	
ANT	3+4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5647.79 51.83 68.20 -16.37 42.19 33.19 13.25 36.80 0.00 101 297 Peak 2 5651.04 50.19 68.97 -18.78 40.53 33.21 13.25 36.80 0.00 101 297 Peak 3 5702.96 51.42 106.03 -54.61 41.18 33.71 13.33 36.80 0.00 101 297 Peak 4 5720.07 50.45 110.95 -60.50 40.11 33.78 13.35 36.79 0.00 101 297 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 5865.00 111.79 ------ ------ 100.82 34.16 13.59 36.78 0.00 101 297 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 5865.00 106.51 ------ ------ 95.54 34.16 13.59 36.78 0.00 101 297 Average

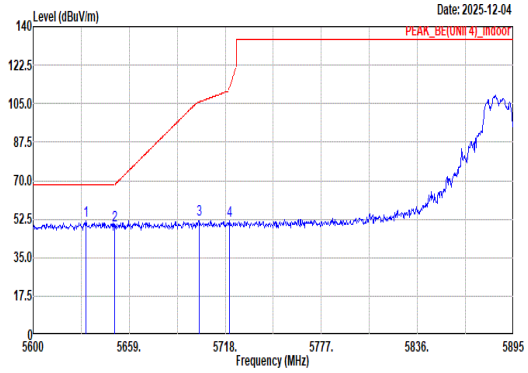
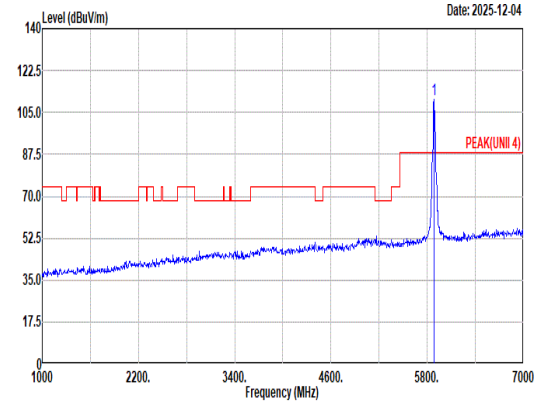
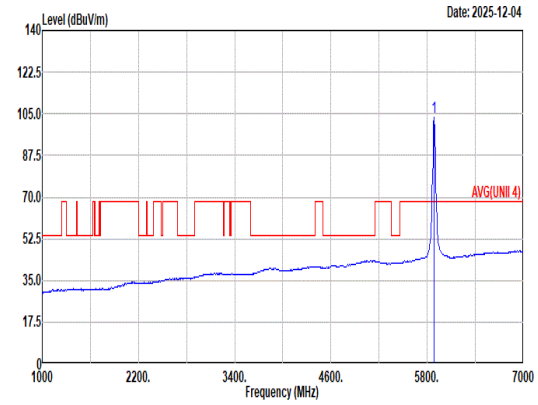
Mode	79	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH173_5865MHz	
ANT	3+4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5914.00 63.89 116.25 -52.36 52.71 34.27 13.68 36.77 0.00 101 297 Peak 2 5927.75 57.86 108.20 -50.34 46.68 34.24 13.71 36.77 0.00 101 297 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 5896.75 61.18 108.91 -47.73 50.01 34.29 13.65 36.77 0.00 101 297 Average 2 5925.00 47.39 88.20 -40.81 36.21 34.25 13.70 36.77 0.00 101 297 Average	Blank

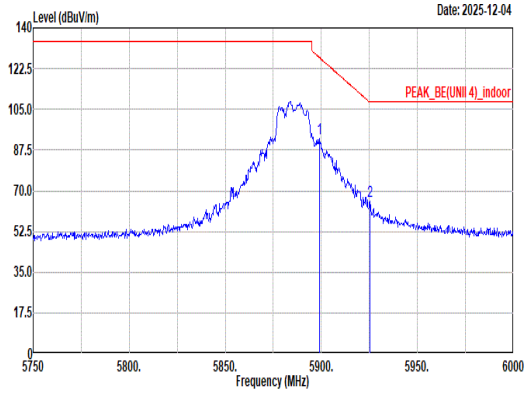
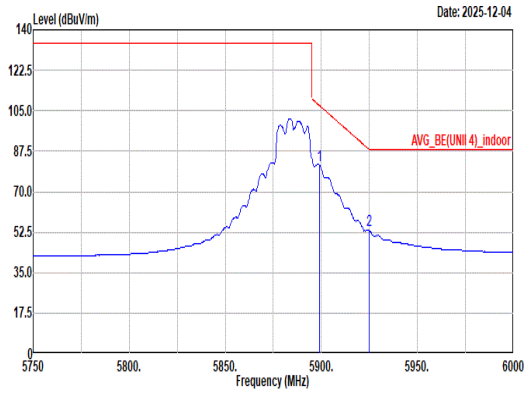
Mode	79	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11a_CH173_5865MHz	
ANT	3+4	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5642.19 50.85 68.20 -17.35 41.26 33.15 13.24 36.80 0.00 100 342 Peak 2 5650.45 50.30 68.53 -18.23 40.65 33.20 13.25 36.80 0.00 100 342 Peak 3 5704.43 51.26 106.44 -55.18 41.01 33.72 13.33 36.80 0.00 100 342 Peak 4 5720.36 51.87 111.62 -59.75 41.53 33.78 13.35 36.79 0.00 100 342 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 5865.00 111.03 ------ ------ 100.06 34.16 13.59 36.78 0.00 100 342 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 5865.00 104.87 ------ ------ 93.90 34.16 13.59 36.78 0.00 100 342 Average

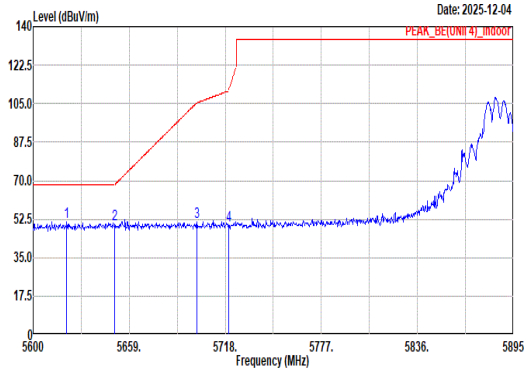
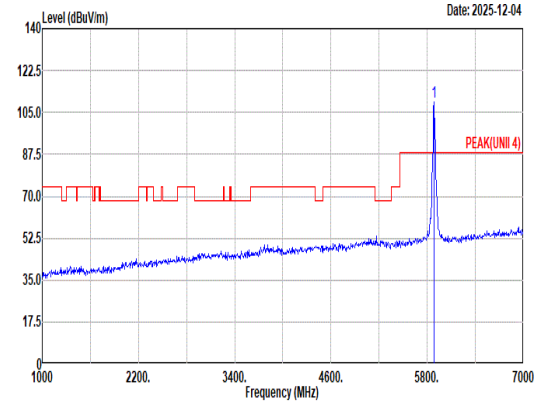
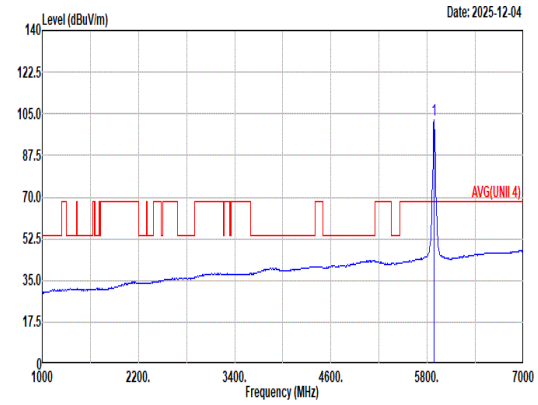
Mode	79	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH173_5865MHz	
ANT	3+4	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5922.00 58.50 110.39 -51.89 47.31 34.26 13.70 36.77 0.00 100 342 Peak 2 5926.00 57.44 108.20 -50.76 46.26 34.25 13.70 36.77 0.00 100 342 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 46.09 88.20 -42.11 34.91 34.25 13.70 36.77 0.00 100 342 Average 2 5927.25 46.29 88.20 -41.91 35.10 34.25 13.71 36.77 0.00 100 342 Average	Blank

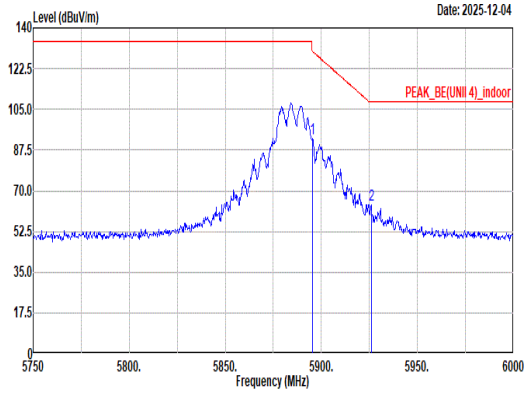
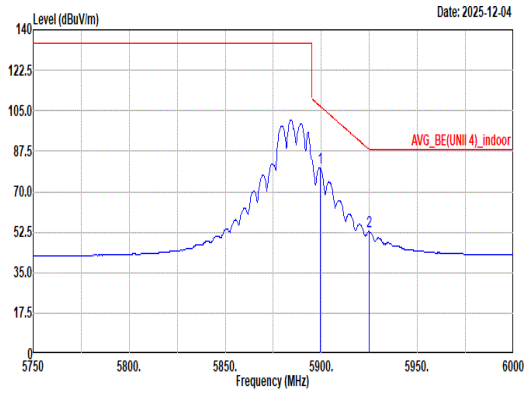
Mode	79	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH173_5865MHz	
ANT	3+4	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_250606 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11730.00 47.84 74.00 -26.16 46.21 38.83 19.55 57.30 0.55 -- -- Peak 2 17595.00 49.62 68.20 -18.58 44.85 39.08 24.13 58.88 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 48.82 74.00 -25.18 47.19 38.83 19.55 57.30 0.55 200 11 Peak 2 11730.00 38.86 54.00 -15.14 37.23 38.83 19.55 57.30 0.55 200 11 Average 3 17595.00 49.83 68.20 -18.37 45.06 39.08 24.13 58.88 0.44 -- -- Peak

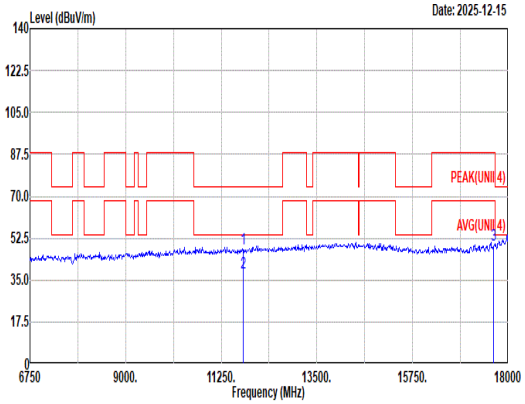
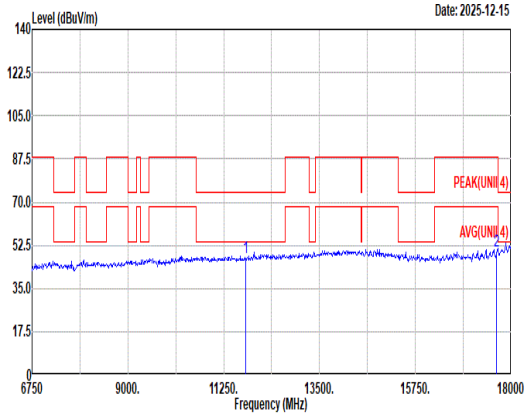
Mode	79	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH173_5865MHz	
ANT	3+4	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 HORIZONTAL	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 VERTICAL
17.7G ~18G Avg	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 HORIZONTAL	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 VERTICAL

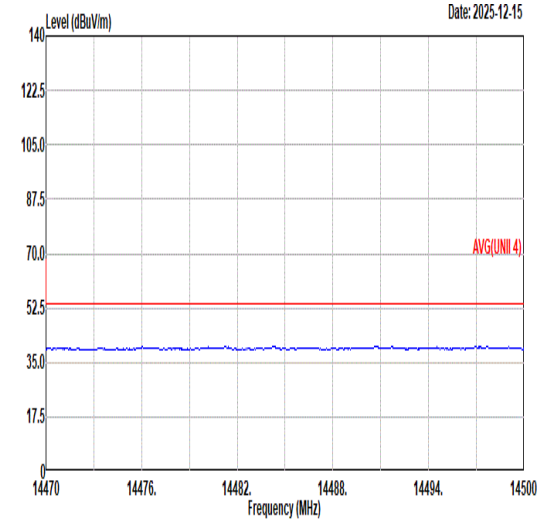
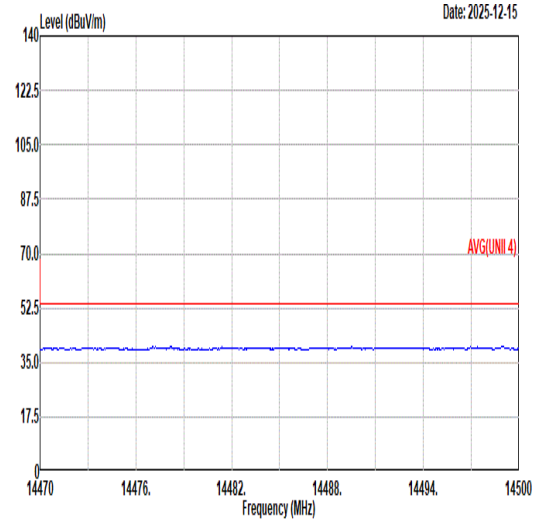
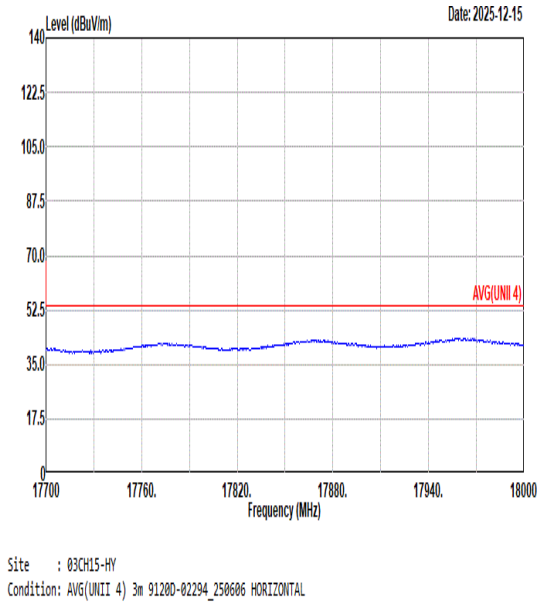
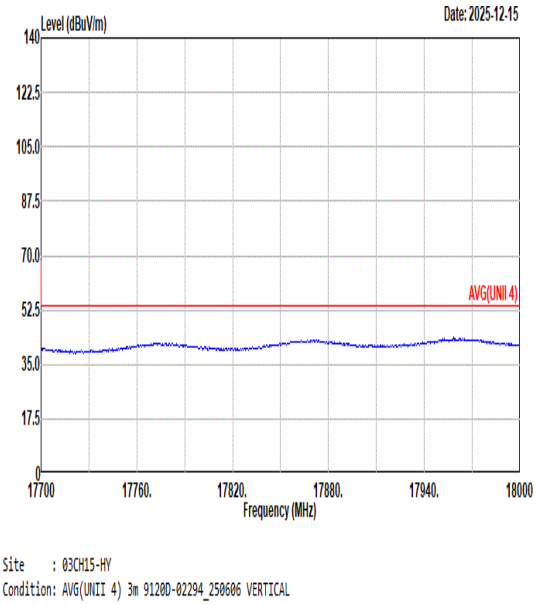
Mode	80	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	3+4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5632.45 51.61 68.20 -16.59 42.09 33.09 13.23 36.80 0.00 200 0 Peak 2 5650.15 49.65 68.31 -18.66 40.00 33.20 13.25 36.80 0.00 200 0 Peak 3 5701.78 52.04 105.70 -53.66 41.80 33.71 13.33 36.80 0.00 200 0 Peak 4 5720.36 51.99 111.62 -59.63 41.65 33.78 13.35 36.79 0.00 200 0 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 5885.00 110.36 ------ ------ 99.26 34.24 13.63 36.77 0.00 200 0 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 5885.00 103.42 ------ ------ 92.32 34.24 13.63 36.77 0.00 200 0 Average

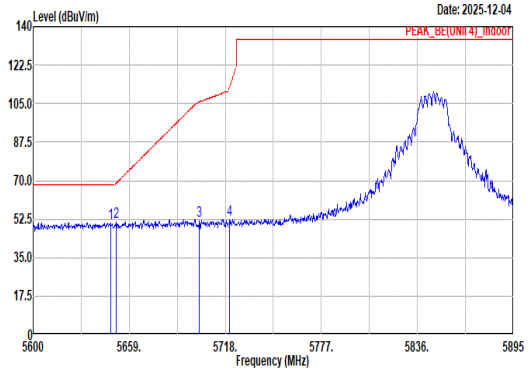
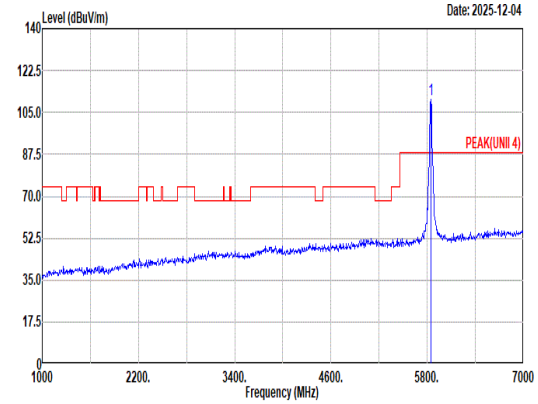
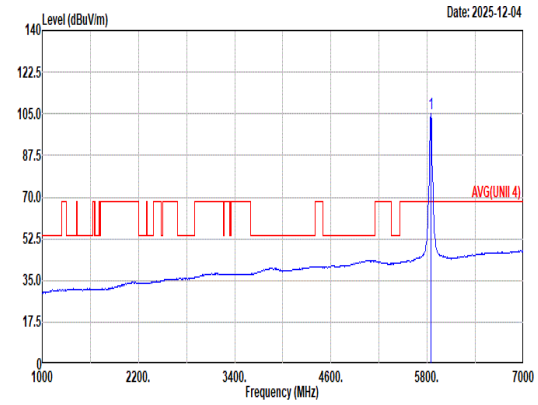
Mode	80	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	3+4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5899.00 92.65 127.26 -34.61 81.47 34.30 13.65 36.77 0.00 200 0 Peak 2 5925.25 65.30 108.20 -42.90 54.12 34.25 13.70 36.77 0.00 200 0 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 5899.00 81.53 107.26 -25.73 70.35 34.30 13.65 36.77 0.00 200 0 Average 2 5925.00 53.12 88.20 -35.08 41.94 34.25 13.70 36.77 0.00 200 0 Average	Blank

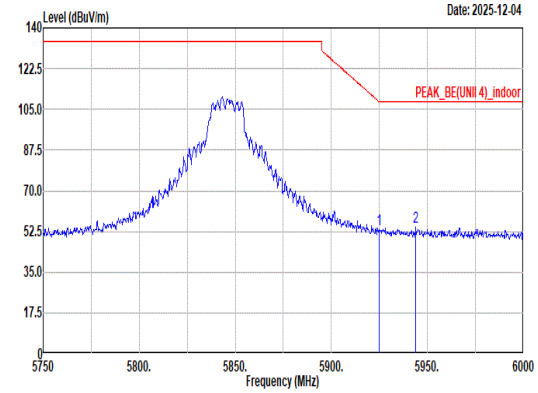
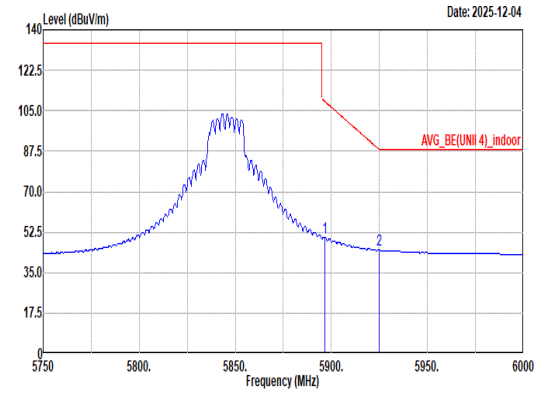
Mode	80	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	3+4	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5620.65 51.29 68.20 -16.91 41.87 33.02 13.21 36.81 0.00 330 360 Peak 2 5650.15 50.33 68.31 -17.98 40.68 33.20 13.25 36.80 0.00 330 360 Peak 3 5700.60 51.11 105.37 -54.26 40.88 33.70 13.33 36.80 0.00 330 360 Peak 4 5720.07 49.84 110.95 -61.11 39.50 33.78 13.35 36.79 0.00 330 360 Peak	 Site : 03CH15-HY Condition: PEAK(UNII 4) 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5885.00 109.49 ------ ------ 98.39 34.24 13.63 36.77 0.00 330 360 Peak
Avg	Blank	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto 1 5885.00 102.54 ------ ------ 91.44 34.24 13.63 36.77 0.00 330 360 Average

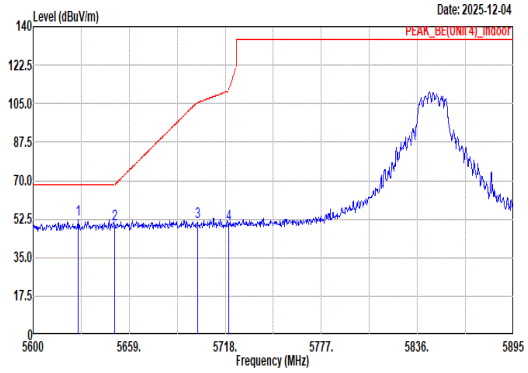
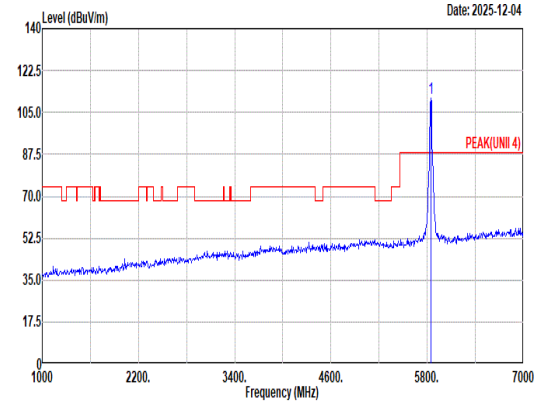
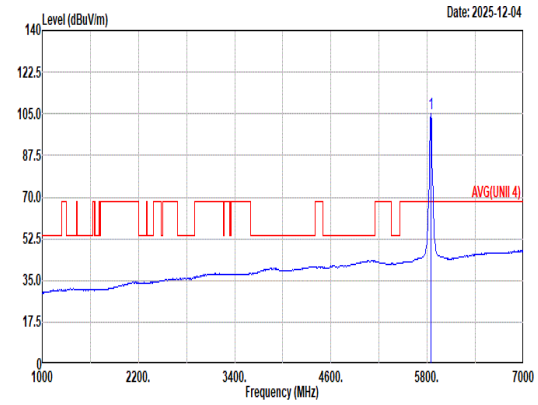
Mode	80	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	3+4	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5895.25 92.71 130.02 -37.31 81.55 34.28 13.65 36.77 0.00 330 360 Peak 2 5926.00 63.83 108.20 -44.37 52.65 34.25 13.70 36.77 0.00 330 360 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 5899.50 80.25 106.89 -26.64 69.07 34.30 13.65 36.77 0.00 330 360 Average 2 5925.00 52.75 88.20 -35.45 41.57 34.25 13.70 36.77 0.00 330 360 Average	Blank

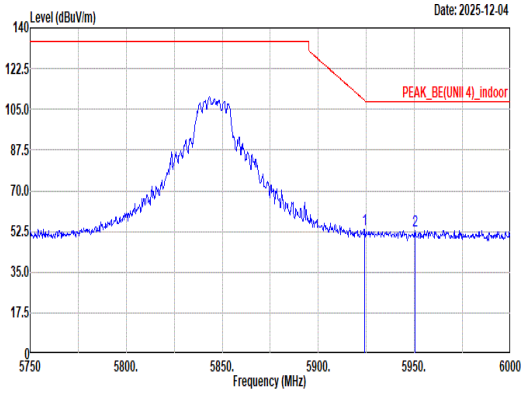
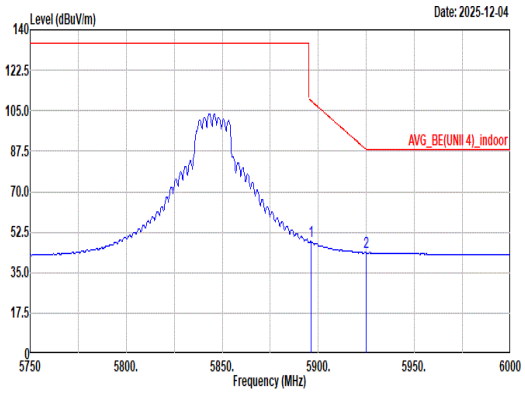
Mode	80	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	3+4	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH15-HY Condition: PEAK(UNII 4) 3m 9120D-02294_250606 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11770.00 48.02 74.00 -25.98 46.28 38.87 19.59 57.27 0.55 -- -- Peak 2 11770.00 38.30 54.00 -15.70 36.56 38.87 19.59 57.27 0.55 -- -- Average 3 17655.00 49.89 88.20 -38.31 44.62 39.38 24.17 58.72 0.44 -- -- Peak	 Site : 03CH15-HY Condition: PEAK(UNII 4) 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 47.43 74.00 -26.57 45.69 38.87 19.59 57.27 0.55 -- -- Peak 2 17655.00 50.07 88.20 -38.13 44.80 39.38 24.17 58.72 0.44 -- -- Peak

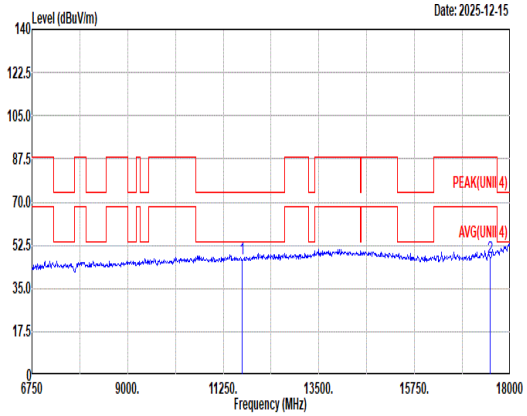
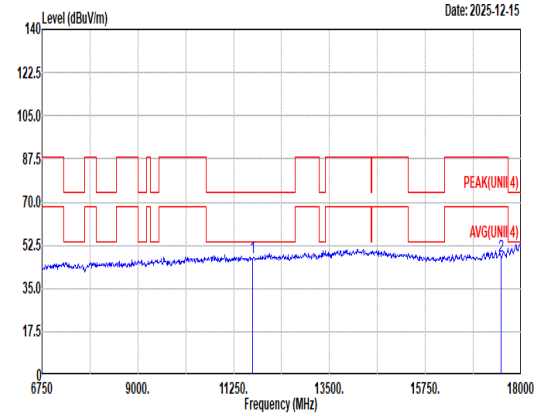
Mode	80	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	3+4	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg		
17.7G ~18G Avg		

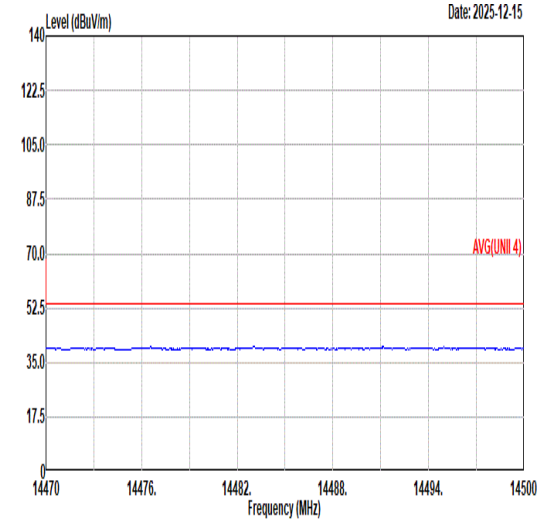
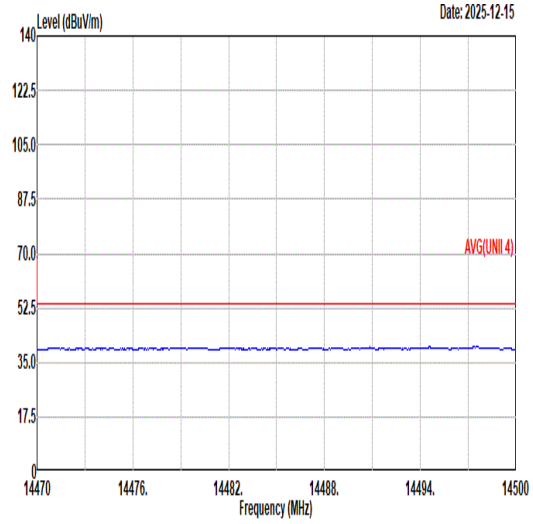
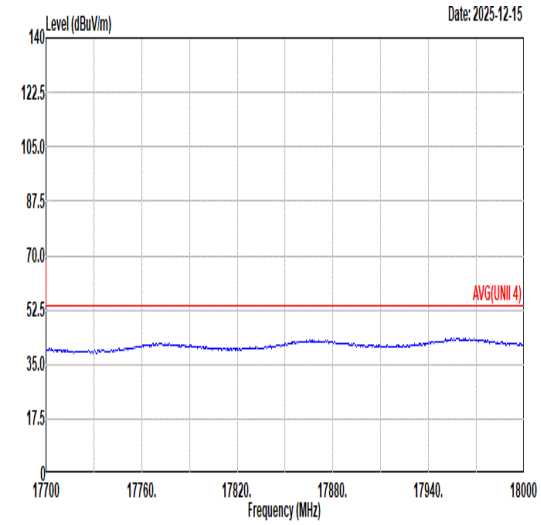
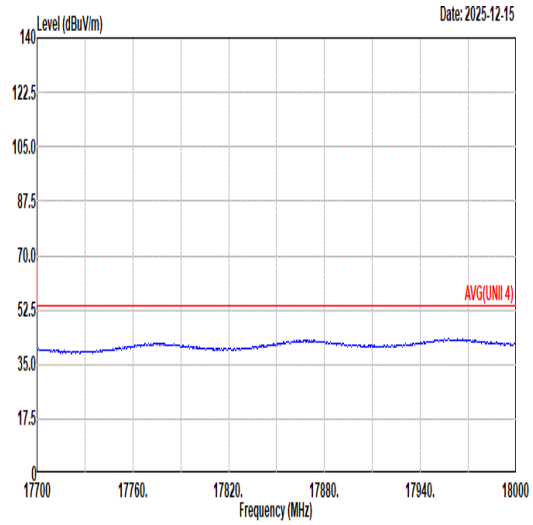
Mode	81	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11n HT20_CH169_5845MHz	
ANT	3+4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5647.50 50.95 68.20 -17.25 41.32 33.18 13.25 36.80 0.00 100 302 Peak 2 5651.04 51.25 68.97 -17.72 41.59 33.21 13.25 36.80 0.00 100 302 Peak 3 5702.07 51.78 105.78 -54.00 41.54 33.71 13.33 36.80 0.00 100 302 Peak 4 5720.66 52.35 112.29 -59.94 42.01 33.78 13.35 36.79 0.00 100 302 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 5845.00 110.28 ------ ------ 99.40 34.10 13.56 36.78 0.00 100 302 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 5845.00 105.03 ------ ------ 94.16 34.10 13.55 36.78 0.00 100 302 Average

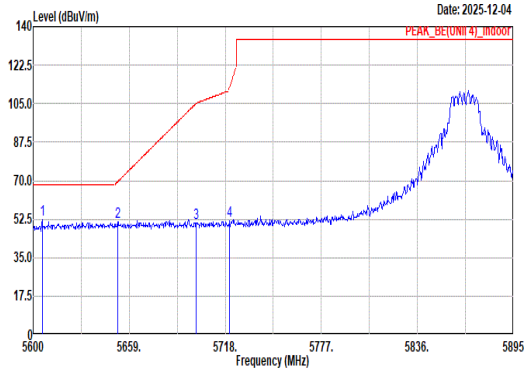
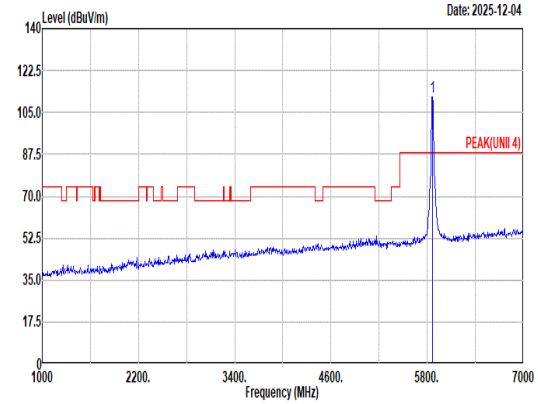
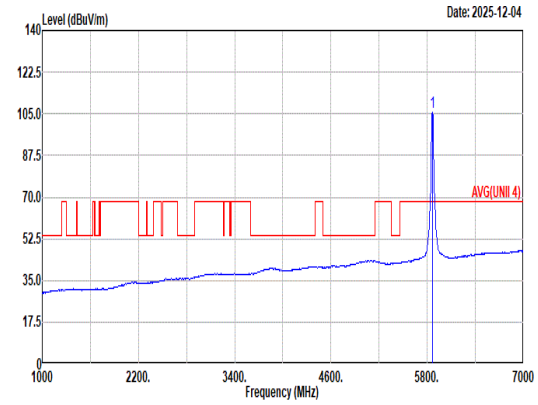
Mode	81	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11n HT20_CH169_5845MHz	
ANT	3+4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5925.00 53.22 108.20 -54.98 42.04 34.25 13.70 36.77 0.00 100 302 Peak 2 5944.00 54.21 108.20 -53.99 43.03 34.21 13.74 36.77 0.00 100 302 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 5896.50 50.43 109.10 -58.67 39.26 34.29 13.65 36.77 0.00 100 302 Average 2 5925.00 44.70 88.20 -43.50 33.52 34.25 13.70 36.77 0.00 100 302 Average	Blank

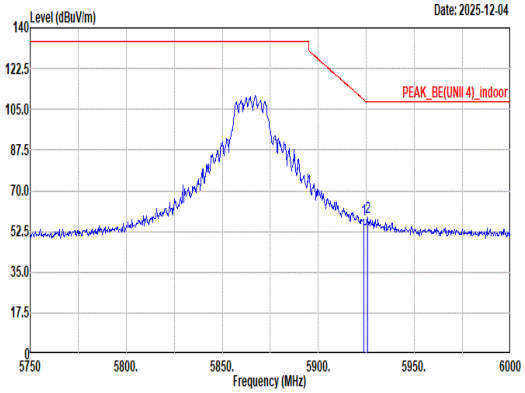
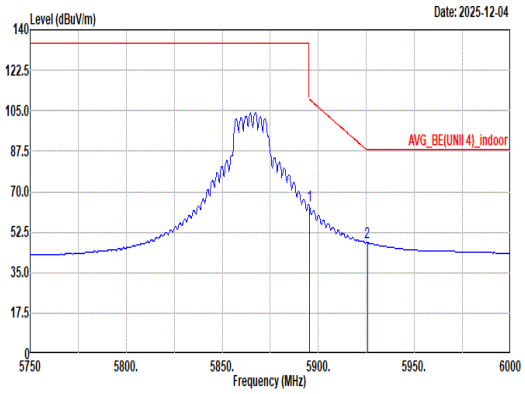
Mode	81	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11n HT20_CH169_5845MHz	
ANT	3+4	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5627.73 52.27 68.20 -15.93 42.78 33.07 13.22 36.80 0.00 364 350 Peak 2 5650.15 50.39 68.31 -17.92 40.74 33.20 13.25 36.80 0.00 364 350 Peak 3 5700.89 51.09 105.45 -54.36 40.86 33.70 13.33 36.80 0.00 364 350 Peak 4 5720.07 50.38 110.95 -60.57 40.04 33.78 13.35 36.79 0.00 364 350 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 5845.00 111.03 ------ ------ 100.15 34.10 13.56 36.78 0.00 364 350 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 5845.00 105.19 ------ ------ 94.32 34.10 13.55 36.78 0.00 364 350 Average

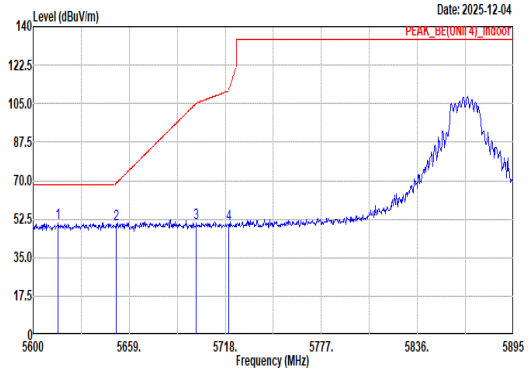
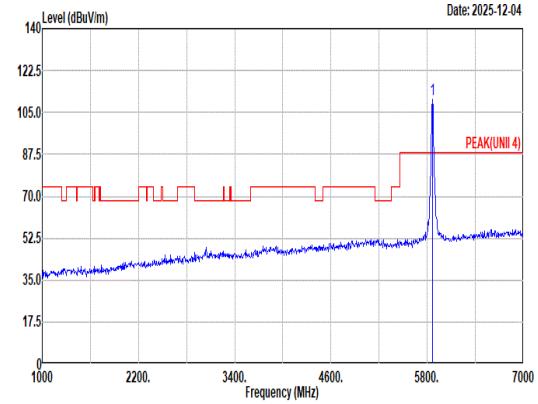
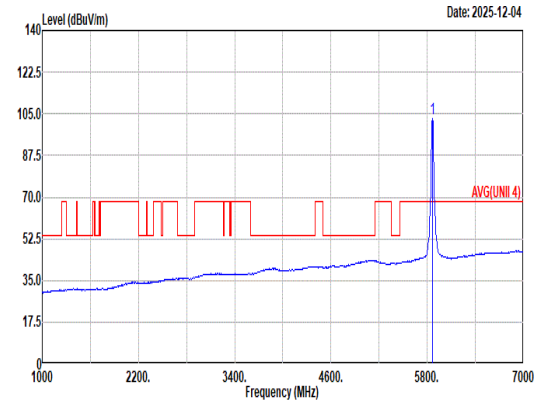
Mode	81	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11n HT20_CH169_5845MHz	
ANT	3+4	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5924.00 53.26 108.93 -55.67 42.08 34.25 13.70 36.77 0.00 364 350 Peak 2 5950.25 53.09 108.20 -55.11 41.91 34.20 13.75 36.77 0.00 364 350 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 5896.25 48.41 109.28 -60.87 37.25 34.28 13.65 36.77 0.00 364 350 Average 2 5925.00 43.69 88.20 -44.51 32.51 34.25 13.70 36.77 0.00 364 350 Average	Blank

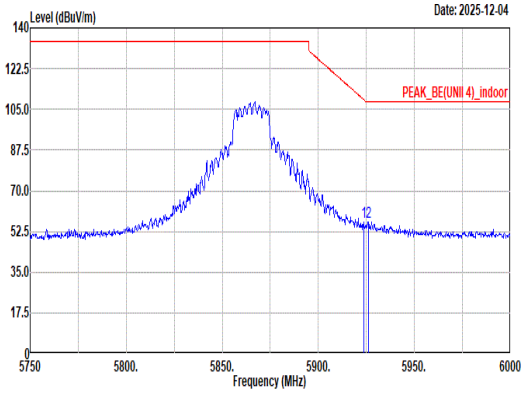
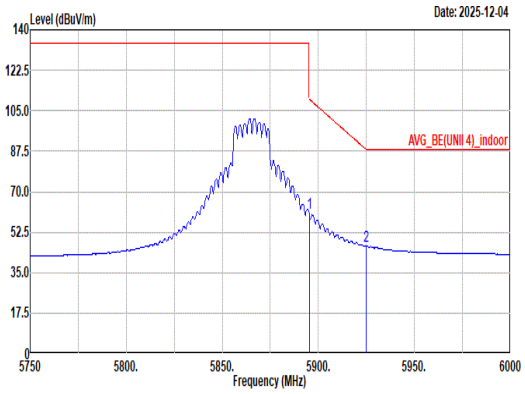
Mode	81	
	Harmonic	
	U-NII-4_5.85-5.895_802.11n HT20_CH169_5845MHz	
ANT	3+4	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH15-HY Condition: PEAK(UNII 4) 3m 9120D-02294_250606 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11690.00 46.98 74.00 -27.02 45.45 38.78 19.51 57.32 0.56 -- -- Peak 2 17535.00 47.80 88.20 -40.40 43.47 38.84 24.09 59.04 0.44 -- -- Peak	 Site : 03CH15-HY Condition: PEAK(UNII 4) 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 11690.00 47.36 74.00 -26.64 45.83 38.78 19.51 57.32 0.56 -- -- Peak 2 17535.00 48.11 88.20 -40.09 43.78 38.84 24.09 59.04 0.44 -- -- Peak

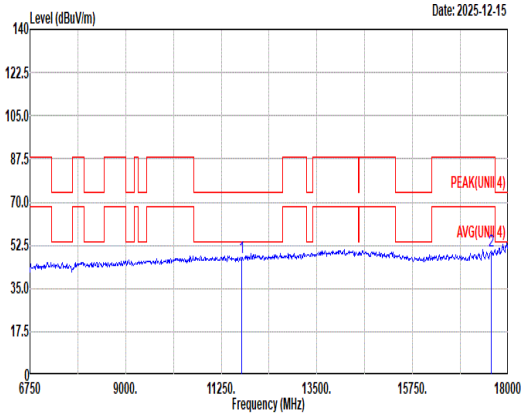
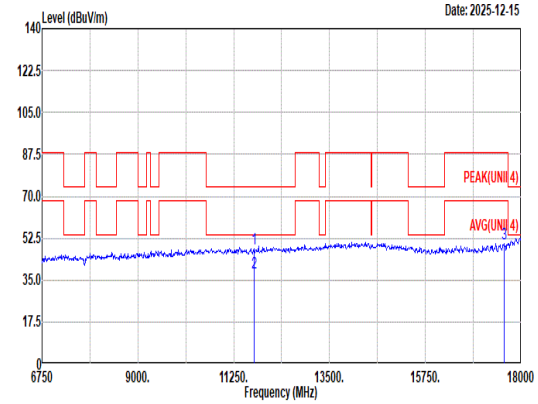
Mode	81	
	Harmonic	
	U-NII-4_5.85-5.895_802.11n HT20_CH169_5845MHz	
ANT	3+4	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 HORIZONTAL	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 VERTICAL
17.7G ~18G Avg	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 HORIZONTAL	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 VERTICAL

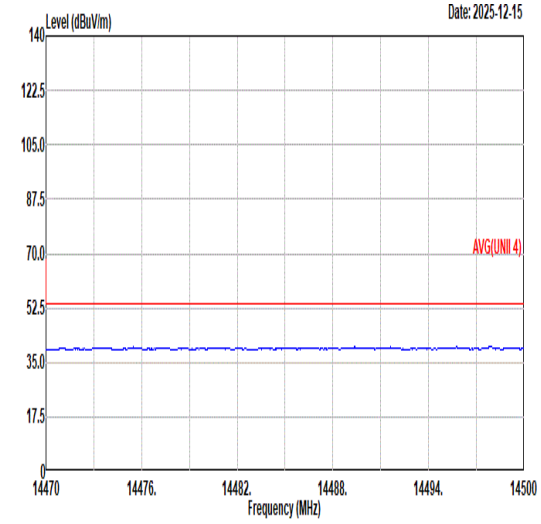
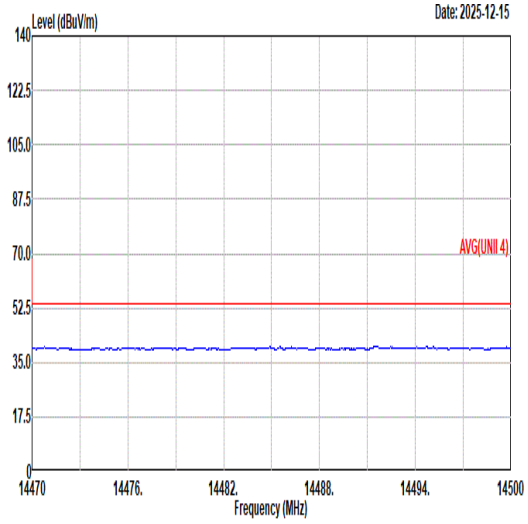
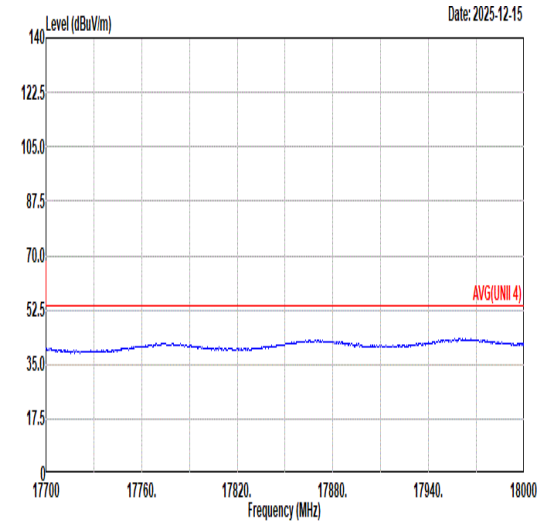
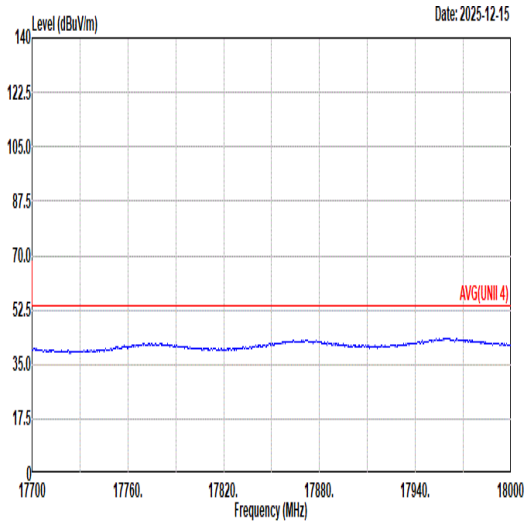
Mode	82	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11n HT20_CH173_5865MHz	
ANT	3+4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark 1 5605.61 52.44 68.20 -15.76 43.13 32.93 13.19 36.81 0.00 100 297 Peak 2 5651.92 51.51 69.63 -18.12 41.83 33.22 13.26 36.80 0.00 100 297 Peak 3 5700.01 50.93 105.20 -54.27 40.70 33.70 13.33 36.80 0.00 100 297 Peak 4 5720.66 51.97 112.29 -60.32 41.63 33.78 13.35 36.79 0.00 100 297 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 1 5865.00 111.37 ------ ------ 100.43 34.14 13.58 36.78 0.00 100 297 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 1 5865.00 105.50 ------ ------ 94.53 34.16 13.59 36.78 0.00 100 297 Average

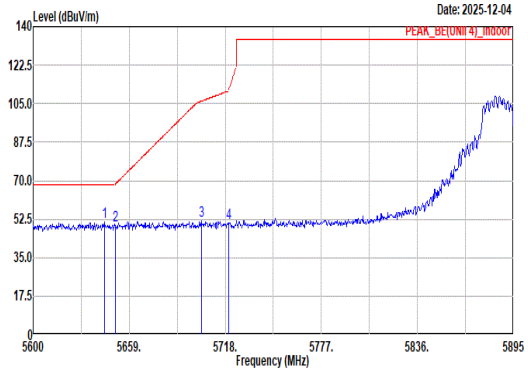
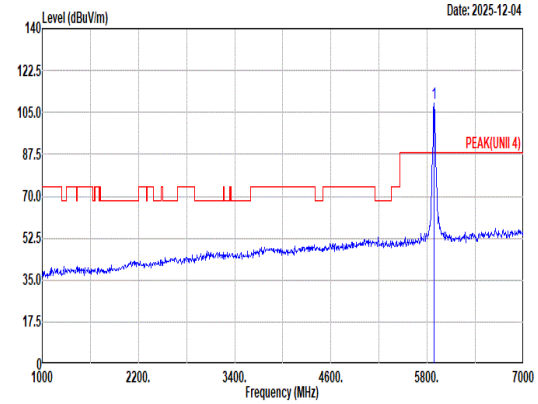
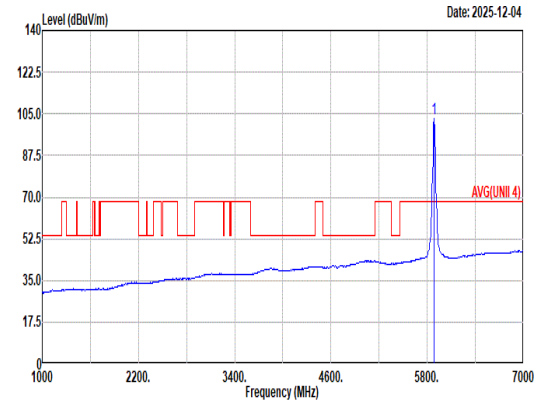
Mode	82	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11n HT20_CH173_5865MHz	
ANT	3+4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5923.50 57.73 109.30 -51.57 46.55 34.25 13.70 36.77 0.00 100 297 Peak 2 5925.75 58.50 108.20 -49.70 47.32 34.25 13.70 36.77 0.00 100 297 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 64.16 110.02 -45.86 53.00 34.28 13.65 36.77 0.00 100 297 Average 2 5925.50 48.06 88.20 -40.14 36.88 34.25 13.70 36.77 0.00 100 297 Average	Blank

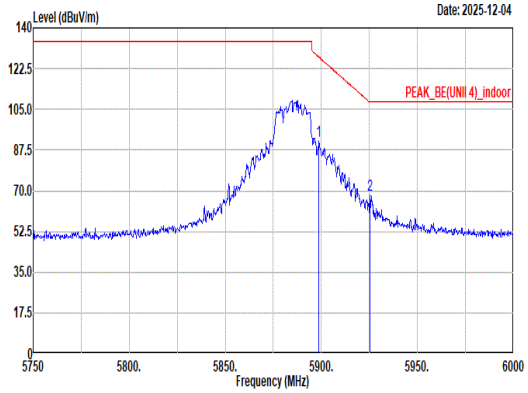
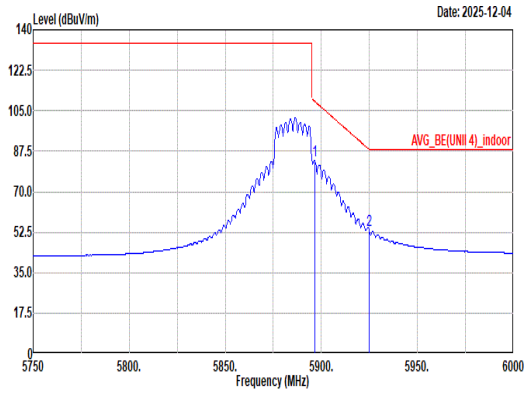
Mode	82	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11n HT20_CH173_5865MHz	
ANT	3+4	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5615.34 50.80 68.20 -17.40 41.42 32.99 13.20 36.81 0.00 100 341 Peak 2 5651.04 50.07 68.97 -18.90 40.41 33.21 13.25 36.80 0.00 100 341 Peak 3 5700.30 50.54 105.28 -54.74 40.31 33.70 13.33 36.80 0.00 100 341 Peak 4 5720.07 50.15 110.95 -60.80 39.81 33.78 13.35 36.79 0.00 100 341 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 5865.00 110.27 ------ ------ 99.30 34.16 13.59 36.78 0.00 100 341 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 5865.00 103.25 ------ ------ 92.28 34.16 13.59 36.78 0.00 100 341 Average

Mode	82	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11n HT20_CH173_5865MHz	
ANT	3+4	
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 5923.50 56.31 109.30 -52.99 45.13 34.25 13.70 36.77 0.00 100 341 Peak 2 5926.00 56.77 108.20 -51.43 45.59 34.25 13.70 36.77 0.00 100 341 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 60.61 110.02 -49.41 49.45 34.28 13.65 36.77 0.00 100 341 Average 2 5925.00 46.73 88.20 -41.47 35.55 34.25 13.70 36.77 0.00 100 341 Average	Blank

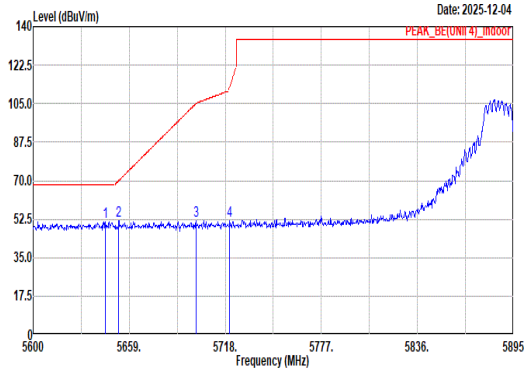
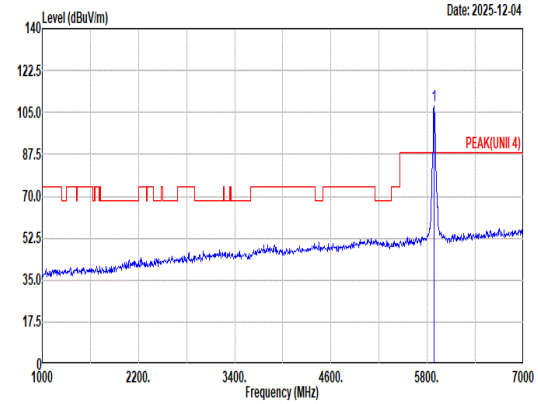
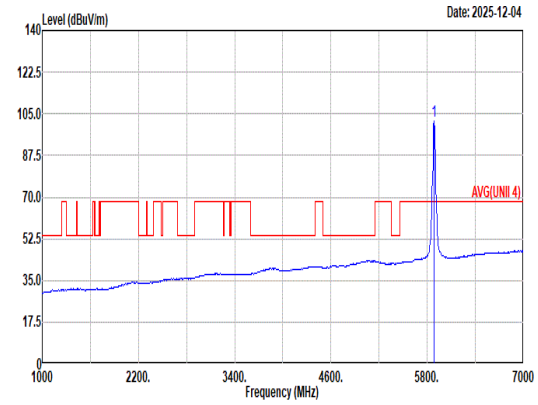
Mode	82	
	Harmonic	
	U-NII-4_5.85-5.895_802.11n HT20_CH173_5865MHz	
ANT	3+4	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH15-HY Condition: PEAK(UNII 4) 3m 9120D-02294_250606 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11730.00 47.45 74.00 -26.55 45.82 38.83 19.55 57.30 0.55 -- -- Peak 2 17595.00 50.22 88.20 -37.98 45.45 39.08 24.13 58.88 0.44 -- -- Peak	 Site : 03CH15-HY Condition: PEAK(UNII 4) 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 48.01 74.00 -25.99 46.38 38.83 19.55 57.30 0.55 -- -- Peak 2 11730.00 38.25 54.00 -15.75 36.62 38.83 19.55 57.30 0.55 -- -- Average 3 17595.00 50.11 88.20 -38.09 45.34 39.08 24.13 58.88 0.44 -- -- Peak

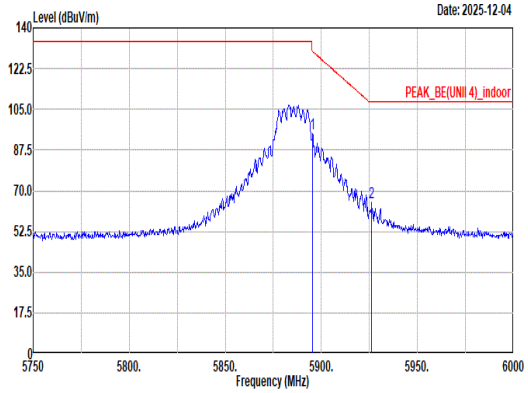
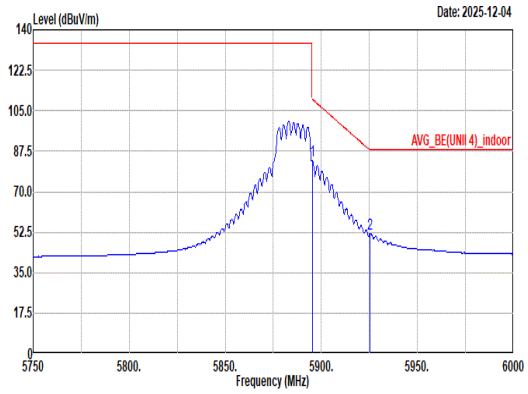
Mode	82	
	Harmonic	
	U-NII-4_5.85-5.895_802.11n HT20_CH173_5865MHz	
ANT	3+4	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 HORIZONTAL	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 VERTICAL
17.7G ~18G Avg	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 HORIZONTAL	 Site : 03CH15-HY Condition: AVG(UNII 4) 3m 9120D-02294_250606 VERTICAL

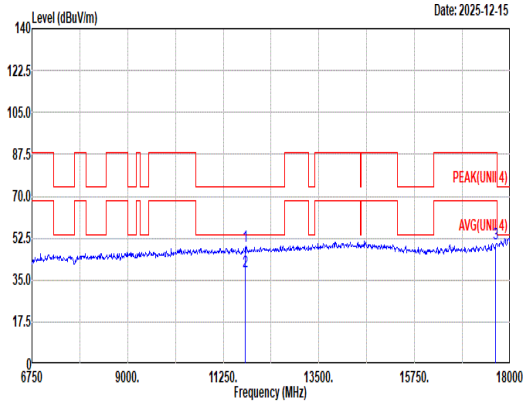
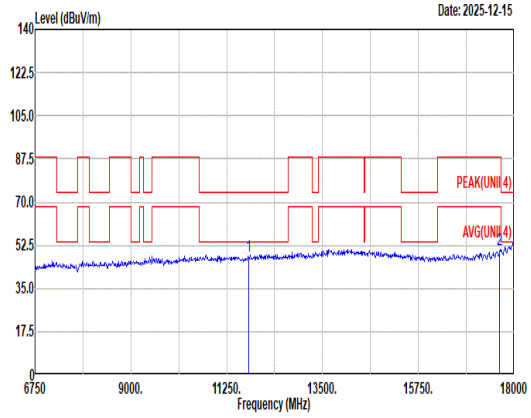
Mode	83	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11n HT20_CH177_5885MHz	
ANT	3+4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5643.66 51.05 68.20 -17.15 41.45 33.16 13.24 36.80 0.00 293 0 Peak 2 5650.45 49.88 68.53 -18.65 40.23 33.20 13.25 36.80 0.00 293 0 Peak 3 5703.25 51.78 106.11 -54.33 41.54 33.71 13.33 36.80 0.00 293 0 Peak 4 5720.07 50.94 110.95 -60.01 40.60 33.78 13.35 36.79 0.00 293 0 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 5885.00 108.78 ------ ------ 97.68 34.24 13.63 36.77 0.00 293 0 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 5885.00 103.03 ------ ------ 91.93 34.24 13.63 36.77 0.00 293 0 Average

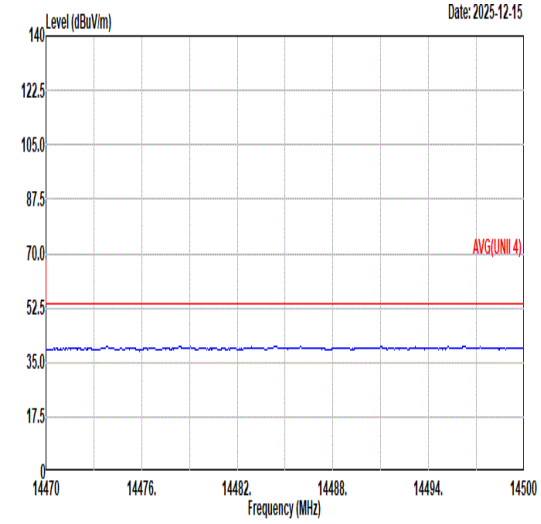
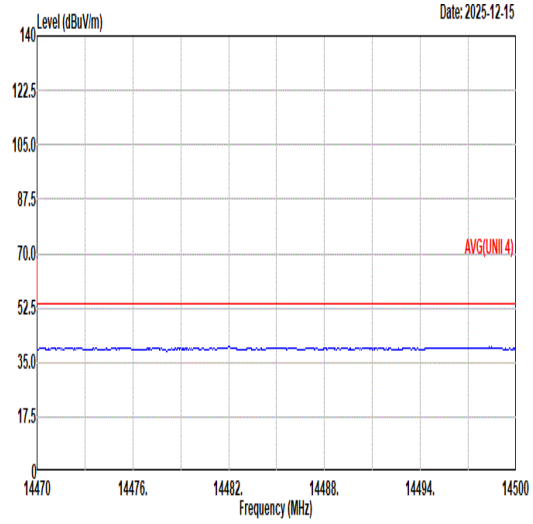
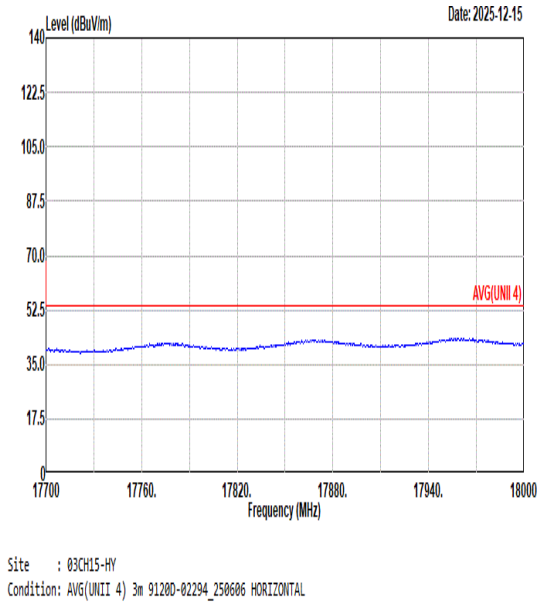
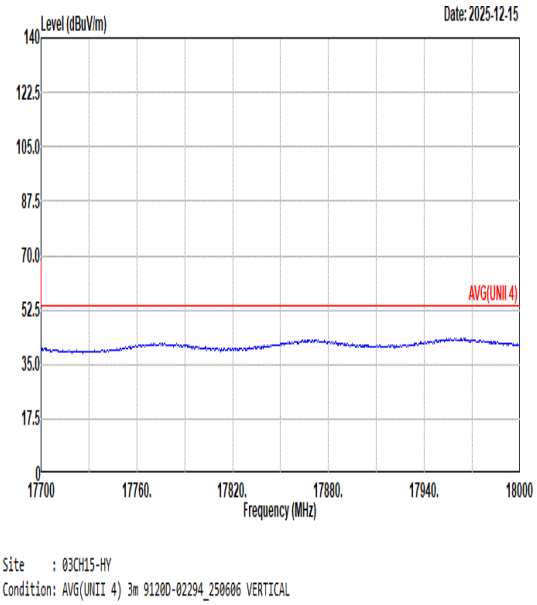
Mode	83	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11n HT20_CH177_5885MHz	
ANT	3+4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE(UNII 4)_indoor 3m 9120D-02294_250606 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5898.75 91.28 127.44 -36.16 80.11 34.29 13.65 36.77 0.00 293 0 Peak 2 5925.25 67.90 108.20 -40.30 56.72 34.25 13.70 36.77 0.00 293 0 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 5896.50 83.45 109.10 -25.65 72.28 34.29 13.65 36.77 0.00 293 0 Average 2 5925.00 53.13 88.20 -35.07 41.95 34.25 13.70 36.77 0.00 293 0 Average	Blank

Mode	83
	Band Edge - L
	U-NII-4_5.85-5.895_802.11n HT20_CH177_5885MHz
ANT	3+4

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 5644.25 51.39 68.20 -16.81 41.78 33.17 13.24 36.80 0.00 100 34 Peak 2 5652.51 51.84 70.07 -18.23 42.15 33.23 13.26 36.80 0.00 100 34 Peak 3 5700.01 51.56 105.20 -53.64 41.33 33.70 13.33 36.80 0.00 100 34 Peak 4 5720.66 51.68 112.29 -60.61 41.34 33.78 13.35 36.79 0.00 100 34 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 5885.00 107.63 ------ ------ 96.53 34.24 13.63 36.77 0.00 100 34 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 5885.00 101.74 ------ ------ 90.64 34.24 13.63 36.77 0.00 100 34 Average

Mode	83	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11n HT20_CH177_5885MHz	
ANT	3+4	
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 5895.50 94.52 129.83 -35.31 83.36 34.28 13.65 36.77 0.00 100 34 Peak 2 5926.25 64.90 108.20 -43.30 53.72 34.25 13.70 36.77 0.00 100 34 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 5895.50 83.36 109.83 -26.47 72.20 34.28 13.65 36.77 0.00 100 34 Average 2 5925.25 51.89 88.20 -36.31 40.71 34.25 13.70 36.77 0.00 100 34 Average	Blank

Mode	83	
	Harmonic	
	U-NII-4_5.85-5.895_802.11n HT20_CH177_5885MHz	
ANT	3+4	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH15-HY Condition: PEAK(UNII 4) 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 48.88 74.00 -25.12 47.14 38.87 19.59 57.27 0.55 -- -- Peak 2 11770.00 38.57 54.00 -15.43 36.83 38.87 19.59 57.27 0.55 -- -- Average 3 17655.00 50.37 88.20 -37.83 45.10 39.38 24.17 58.72 0.44 -- -- Peak	 Site : 03CH15-HY Condition: PEAK(UNII 4) 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 47.82 74.00 -26.18 46.08 38.87 19.59 57.27 0.55 -- -- Peak 2 17655.00 50.59 88.20 -37.61 45.32 39.38 24.17 58.72 0.44 -- -- Peak

Mode	83	
	Harmonic	
	U-NII-4_5.85-5.895_802.11n HT20_CH177_5885MHz	
ANT	3+4	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg		
17.7G ~18G Avg