FCC RADIO TEST REPORT

FCC ID	:	2BO3L-16U55U
Equipment	:	Notebook Computer
Brand Name	:	LG
Model Name	:	16U55U
Series Model Name	:	16UG55U,16UD55U,16UB55U,16US55U,16UT55U, 16U55U*(* can be 0 to 9 or A to Z or blank denoting buyer request)
Applicant	:	LG Electronics USA, Inc. 111 Sylvan Avenue North Building Englewood Cliffs, NJ 07632 United States
Manufacturer	:	LG ELECTRONICS INC.
Standard	:	FCC Part 15 Subpart E §15.407

The product was received on Nov. 05, 2025 and testing was performed from Nov. 18, 2025 to Jan. 08, 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
FR5N0519D	01	Initial issue of report	Jan. 28, 2026

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	-
3.5	15.207	AC Conducted Emission	Pass	-
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

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

Report Producer: Julia Chang

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax. **Antenna Type** WLAN **<Main>:** PIFA Antenna **<Aux.>:** PIFA Antenna Bluetooth: PIFA Antenna	
Integrated WLAN module	Brand Name: MediaTek Model Name: MT7922A12L

Antenna Information			
Antenna	**Manufacturer**	Yageo	
	Antenna Type	PIFA Antenna	PIFA Antenna
	Model number	DQ603299000 (TQ32990)	DQ603299000 (TQ32990)
	Peak gain (dBi)	Main Antenna:	Aux. Antenna:
		WLAN (5GHz Band 1): 5.61 WLAN (5GHz Band 2): 5.61 WLAN (5GHz Band 3): 5.05	WLAN (5GHz Band 1): 5.65 WLAN (5GHz Band 2): 6.55 WLAN (5GHz Band 3): 5.07

Remark:

1. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.
2. MIMO Ant. 2+1 Directional Gain is a calculated result from MIMO Ant. 2 and MIMO Ant. 1. The formula used in calculation is documented in section 1.1.1.
3. Power of MIMO Ant. 2 + Ant. 1 is a calculated result from sum of the power MIMO Ant. 2 and MIMO Ant. 1.

1.1.1 Antenna Directional Gain

<For CDD Mode>

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

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

For power measurements on IEEE 802.11 devices,

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

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

For PSD measurements, the directional gain calculation.

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

where

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

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

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the 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.

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	5.61	5.65	5.65	8.64	0.00	2.64
Band II	5.61	6.55	6.55	9.10	0.55	3.10
Band III	5.05	5.07	5.07	8.07	0.00	2.07

Calculation example:

If a device has two antenna, G_{ANT1}= 5.61dBi; G_{ANT2}=6.55dBi

Directional gain of power measurement = max(5.61, 6.55) + 0 = 6.55 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (5.61 dBi / 20) + 10^ (6.55 dBi / 20)] ^ 2 } / 2 }

= 9.10 dBi

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

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

FCC designation No.: TW3786

1.4 Applicable Standards

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

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

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

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

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58#	5290		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106#	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

Frequency Band	Channel	Freq. (MHz)
5150-5350 MHz	50@	5250
5470-5725 MHz	114@	5570

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
TDWR Channel	118*	5590	124	5620
	120	5600	126*	5630
	122#	5610	128	5640

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	138#	5690	144	5720
	142*	5710		

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel with "#" are 802.11ac VHT80 and 802.11ax HE80.
3. The above Frequency and Channel with "@" are 802.11ac VHT160 and 802.11ax HE160.

2.2 Test Mode

This device support 26/52/106/242/484/996/996*2-tone RU.

The SISO mode conducted power is covered by MIMO mode per chain, so only the MIMO mode is tested.

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

Full testing for nominal bandwidths (Full_RU)

Perform additional testing on Partial_RU modes for band edge, spurious emissions, output power and PSD.

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

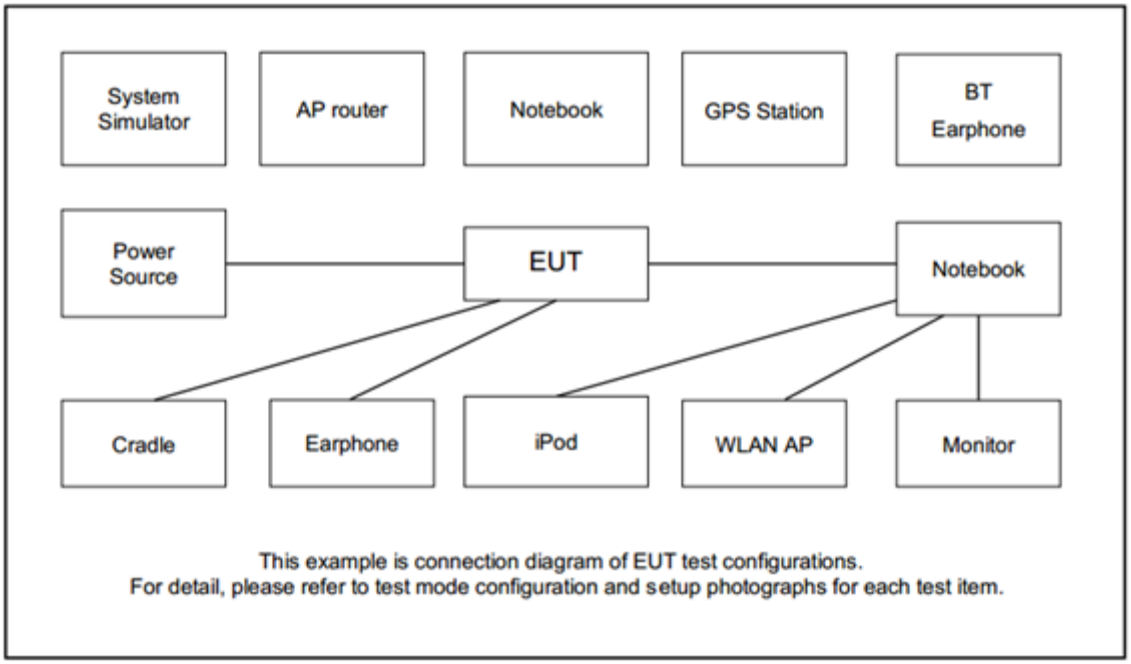
MIMO Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by VHT20)	MCS0
802.11n HT40 (Covered by VHT40)	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0
802.11ac VHT160	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0
802.11ax HE160	MCS0

Remark: The conducted power level of each chain in MIMO mode is equal or higher than SISO mode.

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Tx + Earphone + USB HD*2 + IPod + Monitor + Adapter
Remark: 1. The detailed Radiated test modes are shown in Appendix C. 2. For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.	

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	iPod	Apple	A1199	DoC	Shielded, 1.0m	N/A
2.	Earphone + Mic	Samsung	Ecouteur	N/A	Unshielded, 1.8m	N/A
3.	LCD MONITOR	DELL	ST2220Lb	FCC DoC	Shielded, 1.6m	Unshielded,1.8m
4.	USB HD	ADATA	HV620S-1T	FCC DoC	Shielded, 0.5m	N/A
5.	USB HD	WD	WDBPCK50000ABK-PESN	FCC DoC	Shielded, 0.5m	N/A
6.	Earphone	Apple	A1285	N/A	Shielded,1.2m	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “MT7922 QA 0.0.2.73” 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 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules **v02r01**, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

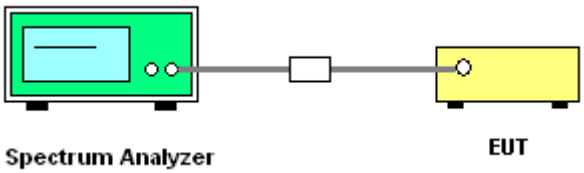
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

■ For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

For the 5.25–5.725 GHz bands:

■ The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

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

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

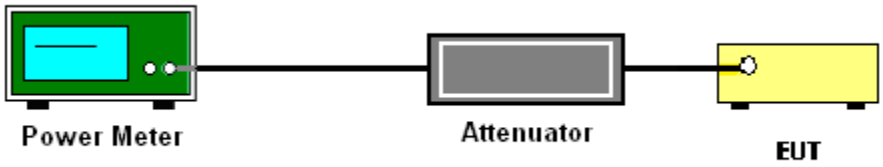
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

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

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1.0 MHz band.

For the 5.25–5.725 GHz bands:

The maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

 # Method SA-2 #

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

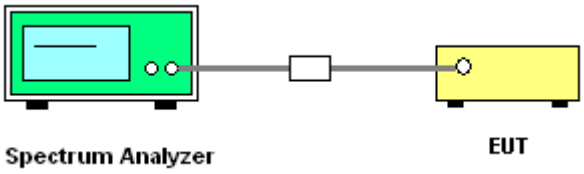
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), 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) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of –27dBm/MHz.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

(2) Unwanted spurious emissions falls in restricted bands shall comply with the general field strength limits as below table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

Note: The following formula is used to convert the EIRP to field strength.

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

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

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

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of −27 dBm/MHz.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

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

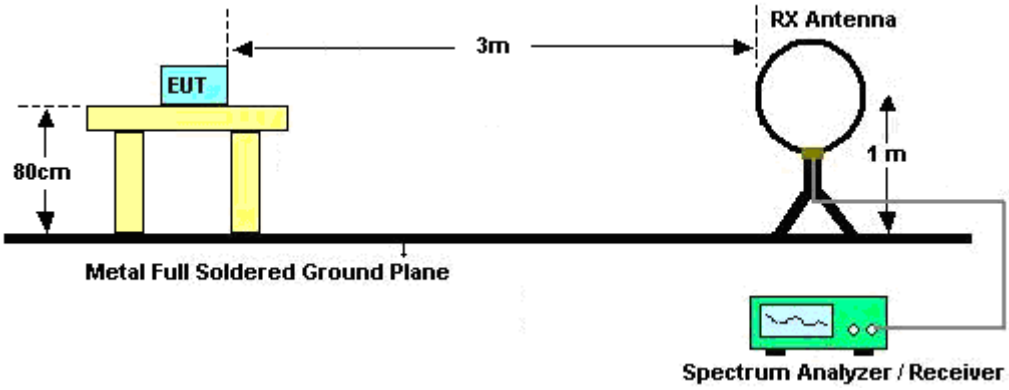
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

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

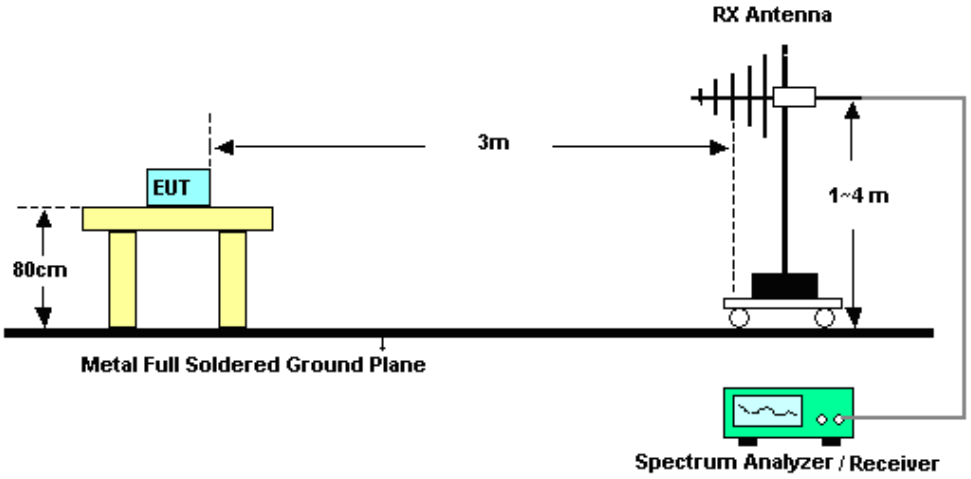
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as "-".
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as "-".

3.4.4 Test Setup

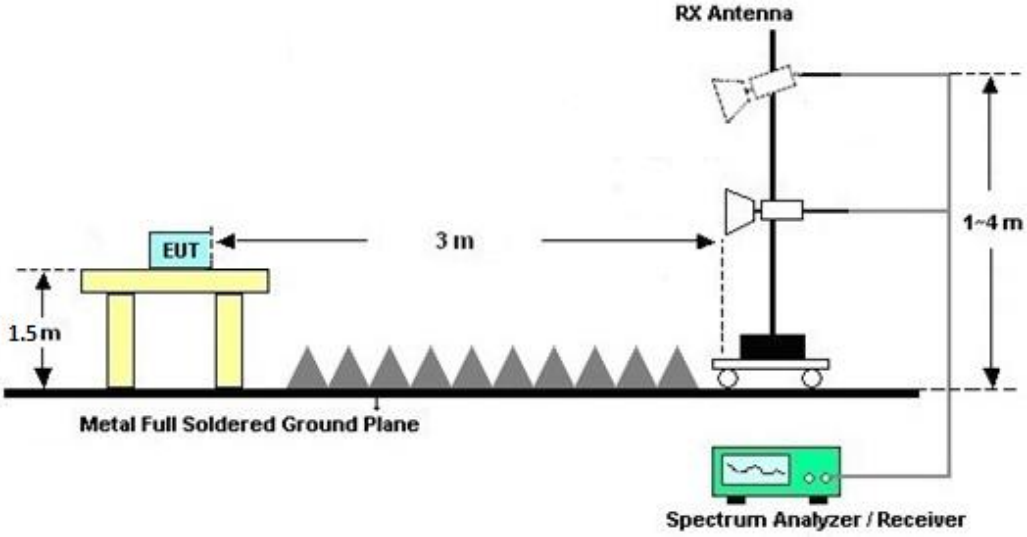
For radiated emissions below 30MHz



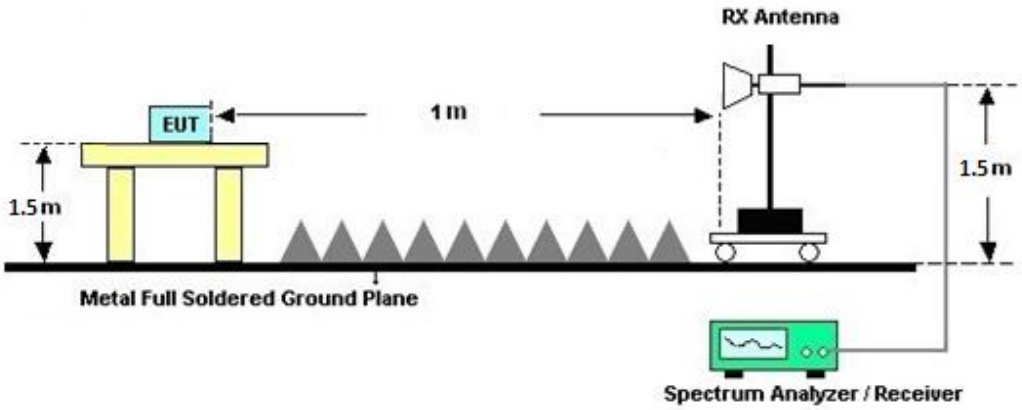
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site **v01r01**, and the result came out very similar.

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.4.7 Duty Cycle

Please refer to Appendix D.

3.4.8 Test Result of Radiated Spurious Emissions (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.

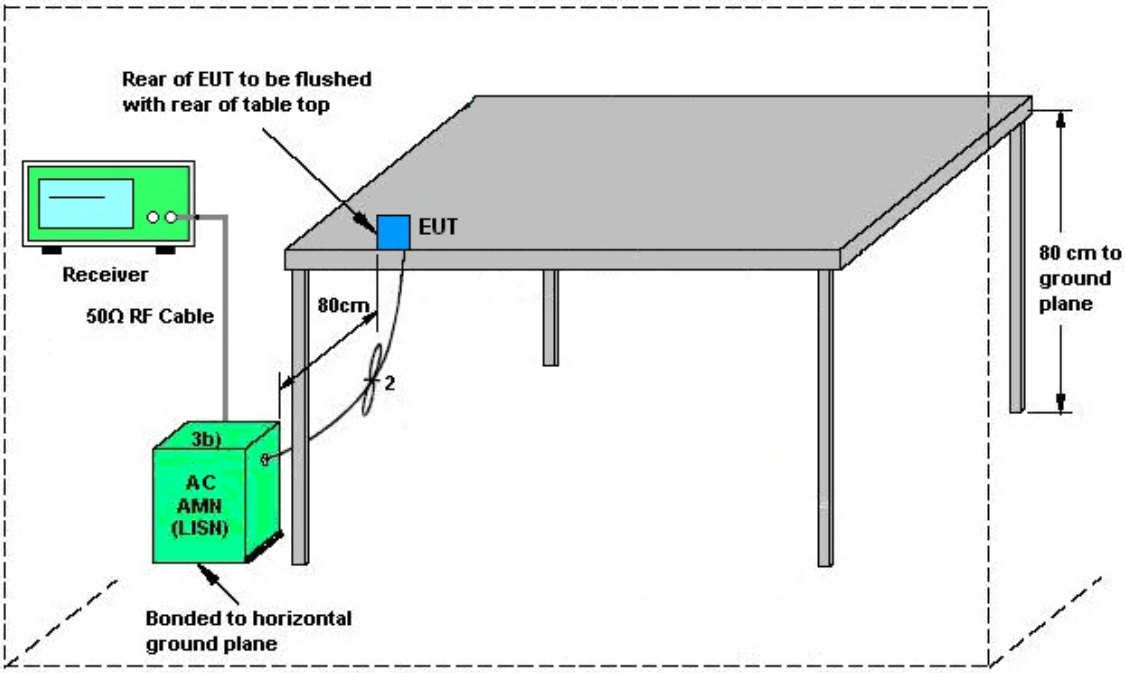
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



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

Unique (non-standard) antenna connector.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	100315	9 kHz~30 MHz	Mar 06, 2025	Nov. 30, 2025~ Dec. 22, 2025	Mar 05, 2026	Radiation (03CH23-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N -06	47020 & 06	30MHz~1GHz	Oct. 04, 2025	Nov. 30, 2025~ Dec. 22, 2025	Oct. 03, 2026	Radiation (03CH23-HY)
Amplifier	SONOMA	310N	421582	9kHz~1GHz	Jul. 13, 2025	Nov. 30, 2025~ Dec. 22, 2025	Jul. 12, 2026	Radiation (03CH23-HY)
Amplifier	EMEC	EM01G18GA	060878	1GHz~18GHz	Sep. 26, 2025	Nov. 30, 2025~ Dec. 22, 2025	Sep. 25, 2026	Radiation (03CH23-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C05A18E N	1GHz~18GHz	Jul. 02, 2025	Nov. 30, 2025~ Dec. 22, 2025	Jul. 01, 2026	Radiation (03CH23-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1225	18GHz-40GHz	Jul. 02 ,2025	Nov. 30, 2025~ Dec. 22, 2025	Jul. 01,2026	Radiation (03CH23-HY)
Preamplifier	EMEC	EM18G40G	060873	18GHz-40GHz	Aug. 26, 2025	Nov. 30, 2025~ Dec. 22, 2025	Aug. 25, 2026	Radiation (03CH23-HY)
Signal Analyzer	Keysight	N9010B	MY62170337	10Hz~44GHz	Aug. 26, 2025	Nov. 30, 2025~ Dec. 22, 2025	Aug. 25, 2026	Radiation (03CH23-HY)
Hygrometer	TECPEL	DTM-303A	TP210001	N/A	Nov. 06, 2025	Nov. 30, 2025~ Dec. 22, 2025	Nov. 05, 2026	Radiation (03CH23-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Nov. 30, 2025~ Dec. 22, 2025	N/A	Radiation (03CH23-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Nov. 30, 2025~ Dec. 22, 2025	N/A	Radiation (03CH23-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Nov. 30, 2025~ Dec. 22, 2025	N/A	Radiation (03CH23-HY)
Software	Audix	E3 6.09824_2019 122	RK-002348	N/A	N/A	Nov. 30, 2025~ Dec. 22, 2025	N/A	Radiation (03CH23-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804395/2	30MHz~40GHz	Nov. 25, 2025	Nov. 30, 2025~ Dec. 22, 2025	Nov. 24, 2026	Radiation (03CH23-HY)
RF Cable	EMC	EMC101Y	231115/23111 9/231122	30MHz~40GHz	Nov. 25, 2025	Nov. 30, 2025~ Dec. 22, 2025	Nov. 24, 2026	Radiation (03CH23-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 04, 2025	Nov. 18, 2025~ Jan. 08, 2026	Nov. 03, 2026	Conducted (TH05-HY)
Power Sensor	Raditeq	RPR3008W	RPR8W-2301001(NO: 146)	10MHz~8GHz	Jan. 17, 2025	Nov. 18, 2025~ Jan. 08, 2026	Jan. 16, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101468	10HZ~44GHZ	Mar. 13, 2025	Nov. 18, 2025~ Jan. 08, 2026	Mar. 12, 2026	Conducted (TH05-HY)
Switch Control Mainframe	E-Instument	ETF-1405-0	EC1900157 (BOX6)	N/A	Feb. 10, 2025	Nov. 18, 2025~ Jan. 08, 2026	Feb. 09, 2026	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_version_240823	N/A	Conducted Other Test Item	N/A	Nov. 18, 2025~ Jan. 08, 2026	N/A	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Nov. 24, 2025	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Nov. 24, 2025	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 20, 2025	Nov. 24, 2025	Oct. 19, 2026	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 03, 2025	Nov. 24, 2025	Mar. 02, 2026	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 24, 2025	Nov. 24, 2025	Mar. 23, 2026	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 26, 2025	Nov. 24, 2025	Mar. 25, 2026	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI7	100724	9kHz~7GHz	Feb. 13, 2025	Nov. 24, 2025	Feb. 12, 2026	Conduction (CO07-HY)

5 Measurement Uncertainty

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

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))	6.7 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.2 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.8 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.7 dB

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Sylvia Li	Temperature:	21~25	°C
Test Date:	2025/11/18~2026/01/08	Relative Humidity:	51~54	%

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	16.40	16.40	19.41	24.00		5.65			Pass
11a	6Mbps	2	44	5220	17.00	16.60	19.81	24.00		5.65			Pass
11a	6Mbps	2	48	5240	16.90	16.60	19.76	24.00		5.65			Pass
HT20	MCS0	2	36	5180	16.90	16.60	19.76	24.00		5.65			Pass
HT20	MCS0	2	44	5220	16.80	16.50	19.66	24.00		5.65			Pass
HT20	MCS0	2	48	5240	17.20	16.90	20.06	24.00		5.65			Pass
HT40	MCS0	2	38	5190	12.90	12.90	15.91	24.00		5.65			Pass
HT40	MCS0	2	46	5230	19.20	18.70	21.97	24.00		5.65		-	Pass
VHT20	MCS0	2	36	5180	17.00	16.70	19.86	24.00		5.65			Pass
VHT20	MCS0	2	44	5220	16.90	16.60	19.76	24.00		5.65			Pass
VHT20	MCS0	2	48	5240	17.30	17.00	20.16	24.00		5.65			Pass
VHT40	MCS0	2	38	5190	13.00	13.00	16.01	24.00		5.65			Pass
VHT40	MCS0	2	46	5230	19.30	18.80	22.07	24.00		5.65			Pass
VHT80	MCS0	2	42	5210	10.30	10.00	13.16	24.00		5.65			Pass
VHT160	MCS0	2	50	5250	9.40	8.80	12.12	24.00		5.65			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	18.40	17.88	33.81	33.45	-		22.52		-	
11a	6Mbps	2	44	5220	17.26	16.86	22.47	22.34	-		22.27			
11a	6Mbps	2	48	5240	17.41	17.01	20.66	20.24	-		22.31			
VHT20	MCS0	2	36	5180	19.14	18.62	34.77	32.35	-		22.70			
VHT20	MCS0	2	44	5220	18.30	17.93	23.32	22.22	-		22.54			
VHT20	MCS0	2	48	5240	18.23	17.94	20.94	20.70	-		22.54			
VHT40	MCS0	2	38	5190	38.64	37.06	67.55	61.12	-		23.01			
VHT40	MCS0	2	46	5230	36.68	36.24	47.95	46.05	-		23.01			
VHT80	MCS0	2	42	5210	75.83	74.88	108.42	97.54	-		23.01			
VHT160	MCS0	2	50	5250	153.79	152.21	173.95	167.90	-		23.01			

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	0.11	0.10			7.90	8.36		8.64			Pass
11a	6Mbps	2	44	5220	0.11	0.10			8.23	8.36		8.64			Pass
11a	6Mbps	2	48	5240	0.11	0.10			7.88	8.36		8.64			Pass
VHT20	MCS0	2	36	5180	0.11	0.11			8.30	8.36		8.64			Pass
VHT20	MCS0	2	44	5220	0.11	0.11			8.13	8.36		8.64			Pass
VHT20	MCS0	2	48	5240	0.11	0.11	-		8.31	8.36		8.64		-	Pass
VHT40	MCS0	2	38	5190	0.40	0.40			1.54	8.36		8.64			Pass
VHT40	MCS0	2	46	5230	0.40	0.40			8.24	8.36		8.64			Pass
VHT80	MCS0	2	42	5210	0.43	0.43			-3.52	8.36		8.64			Pass
VHT160	MCS0	2	50	5250	0.43	0.43			-7.90	8.36		8.64			Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	16.30	16.00	19.16	23.43		6.55		30	Pass
11a	6Mbps	2	60	5300	16.10	15.80	18.96	23.43		6.55		30	Pass
11a	6Mbps	2	64	5320	16.00	15.80	18.91	23.43		6.55		30	Pass
HT20	MCS0	2	52	5260	16.30	16.00	19.16	23.43		6.55		30	Pass
HT20	MCS0	2	60	5300	16.40	16.20	19.31	23.43		6.55		30	Pass
HT20	MCS0	2	64	5320	16.40	16.10	19.26	23.43		6.55		30	Pass
HT40	MCS0	2	54	5270	18.50	18.20	21.36	23.43		6.55		30	Pass
HT40	MCS0	2	62	5310	15.30	15.00	18.16	23.43		6.55		30	Pass
VHT20	MCS0	2	52	5260	16.40	16.10	19.26	23.43		6.55		30	Pass
VHT20	MCS0	2	60	5300	16.50	16.30	19.41	23.43		6.55		30	Pass
VHT20	MCS0	2	64	5320	16.50	16.20	19.36	23.43		6.55		30	Pass
VHT40	MCS0	2	54	5270	18.60	18.30	21.46	23.43		6.55		30	Pass
VHT40	MCS0	2	62	5310	15.40	15.10	18.26	23.43		6.55		30	Pass
VHT80	MCS0	2	58	5290	11.10	11.00	14.06	23.43		6.55		30	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	17.24	16.99	21.90	22.14	23.30		29.30		23.98		-
11a	6Mbps	2	60	5300	18.15	17.82	37.04	32.31	23.51		29.51		23.98		
11a	6Mbps	2	64	5320	18.07	18.37	32.78	32.70	23.57		29.57		23.98		
VHT20	MCS0	2	52	5260	18.32	18.06	23.24	22.92	23.57		29.57		23.98		
VHT20	MCS0	2	60	5300	19.17	18.59	37.47	35.31	23.69		29.69		23.98		
VHT20	MCS0	2	64	5320	19.07	19.08	35.12	33.42	23.80		29.80		23.98		
VHT40	MCS0	2	54	5270	36.67	36.51	43.47	41.38	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	37.12	36.80	58.93	54.18	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	75.80	74.42	107.90	99.87	23.98		30.00		23.98		
VHT160	MCS0	2	50	5250	153.79	152.21	173.95	167.90	23.98		30.00		23.98		

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	0.11	0.10			7.65	7.90		9.10			Pass
11a	6Mbps	2	60	5300	0.11	0.10			7.70	7.90		9.10			Pass
11a	6Mbps	2	64	5320	0.11	0.10			7.50	7.90		9.10			Pass
VHT20	MCS0	2	52	5260	0.11	0.11			7.60	7.90		9.10			Pass
VHT20	MCS0	2	60	5300	0.11	0.11	-		7.80	7.90		9.10		-	Pass
VHT20	MCS0	2	64	5320	0.11	0.11			7.83	7.90		9.10			Pass
VHT40	MCS0	2	54	5270	0.40	0.40			7.42	7.90		9.10			Pass
VHT40	MCS0	2	62	5310	0.40	0.40			4.63	7.90		9.10			Pass
VHT80	MCS0	2	58	5290	0.43	0.43			-2.36	7.90		9.10			Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	17.10	16.90	20.01	23.98		5.07		30	Pass
11a	6Mbps	2	120	5600	17.00	16.70	19.86	23.98		5.07		30	Pass
11a	6Mbps	2	140	5700	16.90	16.70	19.81	23.98		5.07		30	Pass
HT20	MCS0	2	100	5500	17.00	16.70	19.86	23.98		5.07		30	Pass
HT20	MCS0	2	120	5600	17.40	17.00	20.21	23.98		5.07		30	Pass
HT20	MCS0	2	140	5700	16.90	16.70	19.81	23.98		5.07		30	Pass
HT40	MCS0	2	102	5510	17.50	17.30	20.41	23.98		5.07		30	Pass
HT40	MCS0	2	118	5590	19.20	18.60	21.92	23.98		5.07		30	Pass
HT40	MCS0	2	134	5670	18.50	18.10	21.31	23.98		5.07		30	Pass
VHT20	MCS0	2	100	5500	17.10	16.80	19.96	23.98		5.07		30	Pass
VHT20	MCS0	2	120	5600	17.50	17.10	20.31	23.98		5.07		30	Pass
VHT20	MCS0	2	140	5700	17.00	16.80	19.91	23.98		5.07		30	Pass
VHT40	MCS0	2	102	5510	17.60	17.40	20.51	23.98		5.07		30	Pass
VHT40	MCS0	2	118	5590	19.30	18.70	22.02	23.98		5.07		30	Pass
VHT40	MCS0	2	134	5670	18.60	18.20	21.41	23.98		5.07		30	Pass
VHT80	MCS0	2	106	5530	14.30	14.30	17.31	23.98		5.07		30	Pass
VHT80	MCS0	2	122	5610	17.30	16.90	20.11	23.98		5.07		30	Pass
VHT160	MCS0	2	114	5570	11.30	11.00	14.16	23.98		5.07		30	Pass

FCC U-NII-2C straddle channel MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	5720	16.90	16.40	19.67	23.98		5.07		30	Pass
HT20	MCS0	2	144	5720	17.10	16.90	20.01	23.98		5.07		30	Pass
HT40	MCS0	2	142	5710	17.90	17.50	20.71	23.98		5.07		30	Pass
VHT20	MCS0	2	144	5720	17.20	17.00	20.11	23.98		5.07		30	Pass
VHT40	MCS0	2	142	5710	18.00	17.60	20.81	23.98		5.07		30	Pass
VHT80	MCS0	2	138	5690	19.20	19.00	22.11	23.98		5.07		30	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	100	5500	18.30	18.07	34.98	32.07	23.57		29.57		23.98		----	----
11a	6Mbps	2	120	5600	17.22	16.87	22.29	21.44	23.27		29.27		23.98		----	----
11a	6Mbps	2	140	5700	18.01	17.90	30.62	28.31	23.53		29.53		23.98		----	----
VHT20	MCS0	2	100	5500	19.27	19.30	34.13	32.08	23.85		29.85		23.98		----	----
VHT20	MCS0	2	120	5600	18.31	17.93	22.94	22.29	23.53		29.53		23.98		----	----
VHT20	MCS0	2	140	5700	18.92	18.68	32.15	30.62	23.71		29.71		23.98		----	----
VHT40	MCS0	2	102	5510	37.20	36.63	61.98	57.14	23.98		30.00		23.98		----	----
VHT40	MCS0	2	118	5590	36.58	36.17	41.74	41.30	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	37.38	36.72	67.50	58.83	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	75.66	74.55	113.66	95.01	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	75.17	74.52	81.28	80.64	23.98		30.00		23.98		----	----
VHT160	MCS0	2	114	5570	153.71	152.39	177.55	168.43	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	144	5720	13.63	13.35	16.19	15.60	23.28		29.28		23.98		3.18	3.27
VHT20	MCS0	2	144	5720	14.17	13.93	16.95	16.16	23.55		29.55		23.98		3.8	3.85
VHT40	MCS0	2	142	5710	33.26	33.44	35.99	36.25	23.98		30.00		23.98		2.847	3.162
VHT80	MCS0	2	138	5690	72.52	72.57	80.47	80.41	23.98		30.00		23.98		2.504	1.992
6dB Bandwidth Limit ≧ 500kHz															Pass	

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	0.11	0.10			8.77	8.93		8.07			Pass
11a	6Mbps	2	120	5600	0.11	0.10			8.54	8.93		8.07			Pass
11a	6Mbps	2	140	5700	0.11	0.10			8.46	8.93		8.07			Pass
VHT20	MCS0	2	100	5500	0.11	0.11			8.49	8.93		8.07			Pass
VHT20	MCS0	2	120	5600	0.11	0.11			8.79	8.93		8.07			Pass
VHT20	MCS0	2	140	5700	0.11	0.11			8.47	8.93		8.07			Pass
VHT40	MCS0	2	102	5510	0.40	0.40	-		6.89	8.93		8.07		-	Pass
VHT40	MCS0	2	118	5590	0.40	0.40			8.55	8.93		8.07			Pass
VHT40	MCS0	2	134	5670	0.40	0.40			7.96	8.93		8.07			Pass
VHT80	MCS0	2	106	5530	0.43	0.43			0.73	8.93		8.07			Pass
VHT80	MCS0	2	122	5610	0.43	0.43			3.85	8.93		8.07			Pass
VHT160	MCS0	2	114	5570	0.43	0.43			-6.28	8.93		8.07			Pass

U-NII-2C straddle channel MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	5720	0.11	0.10			7.94	8.93		8.07			Pass
VHT20	MCS0	2	144	5720	0.11	0.11	-		8.24	8.93		8.07		-	Pass
VHT40	MCS0	2	142	5710	0.40	0.40			6.57	8.93		8.07			Pass
VHT80	MCS0	2	138	5690	0.43	0.43			5.73	8.93		8.07			Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full	17.10	16.80	19.96	24.00		5.65		-	Pass
HE20	MCS0	2	36	5180	26/0	9.20	8.20	11.74	24.00		5.65			Pass
HE20	MCS0	2	36	5180	106/53	14.00	13.90	16.96	24.00		5.65			Pass
HE20	MCS0	2	44	5220	Full	17.50	17.10	20.31	24.00		5.65			Pass
HE20	MCS0	2	48	5240	Full	17.40	17.10	20.26	24.00		5.65			Pass
HE20	MCS0	2	48	5240	52/40	11.90	10.70	14.35	24.00		5.65			Pass
HE40	MCS0	2	38	5190	Full	13.10	13.10	16.11	24.00		5.65			Pass
HE40	MCS0	2	46	5230	Full	19.40	18.90	22.17	24.00		5.65			Pass
HE80	MCS0	2	42	5210	Full	10.40	10.10	13.26	24.00		5.65			Pass
HE160	MCS0	2	50	5250	Full	9.50	8.90	12.22	24.00		5.65			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full	19.53	19.57	36.46	31.86	-		22.91		-	-
HE20	MCS0	2	44	5220	Full	19.21	19.17	22.91	23.20	-		22.83			
HE20	MCS0	2	48	5240	Full	18.96	18.94	20.35	20.50	-		22.77			
HE40	MCS0	2	38	5190	Full	38.70	38.11	65.38	58.16	-		23.01			
HE40	MCS0	2	46	5230	Full	37.87	37.58	47.90	41.10	-		23.01			
HE80	MCS0	2	42	5210	Full	77.53	76.69	94.94	86.98	-		23.01			
HE160	MCS0	2	50	5250	Full	155.43	153.89	168.72	164.16	-		23.01			

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full	0.15	0.15			7.90	8.36		8.64			Pass
HE20	MCS0	2	36	5180	26/0	0.25	0.24			8.22	8.36		8.64			Pass
HE20	MCS0	2	36	5180	106/53	0.33	0.33			7.92	8.36		8.64			Pass
HE20	MCS0	2	44	5220	Full	0.15	0.15			8.30	8.36		8.64			Pass
HE20	MCS0	2	48	5240	Full	0.15	0.15			8.17	8.36		8.64			Pass
HE20	MCS0	2	48	5240	52/40	0.29	0.28	-		8.01	8.36		8.64		-	Pass
HE40	MCS0	2	38	5190	Full	0.46	0.46			1.59	8.36		8.64			Pass
HE40	MCS0	2	46	5230	Full	0.46	0.46			8.34	8.36		8.64			Pass
HE80	MCS0	2	42	5210	Full	0.47	0.48			-3.20	8.36		8.64			Pass
HE160	MCS0	2	50	5250	Full	0.47	0.48			-8.04	8.36		8.64			Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	52	5260	Full	16.90	16.70	19.81	23.43		6.55		30	Pass
HE20	MCS0	2	60	5300	Full	16.60	16.40	19.51	23.43		6.55		30	Pass
HE20	MCS0	2	64	5320	Full	16.60	16.30	19.46	23.43		6.55		30	Pass
HE20	MCS0	2	64	5320	26/8	7.10	8.10	10.64	23.43		6.55		30	Pass
HE20	MCS0	2	64	5320	106/54	13.60	14.10	16.87	23.43		6.55		30	Pass
HE40	MCS0	2	54	5270	Full	18.70	18.40	21.56	23.43		6.55		30	Pass
HE40	MCS0	2	62	5310	Full	15.50	15.20	18.36	23.43		6.55		30	Pass
HE80	MCS0	2	58	5290	Full	11.20	11.10	14.16	23.43		6.55		30	Pass
HE160	MCS0	2	50	5250	Full	9.50	8.90	12.22	23.43		6.55		30	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO																	
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	52	5260	Full	19.20	19.26	23.22	23.67	23.83		29.83		23.98		
HE20	MCS0	2	60	5300	Full	19.56	19.58	38.70	37.40	23.91		29.91		23.98		
HE20	MCS0	2	64	5320	Full	19.51	19.56	33.37	33.29	23.90		29.90		23.98		
HE40	MCS0	2	54	5270	Full	37.80	37.78	40.35	40.45	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	38.02	37.85	50.85	56.18	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	77.60	76.29	102.88	85.86	23.98		30.00		23.98		

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	52	5260	Full	0.15	0.15	-		7.71	7.90		9.10		-	Pass
HE20	MCS0	2	60	5300	Full	0.15	0.15			7.66	7.90		9.10			Pass
HE20	MCS0	2	64	5320	Full	0.15	0.15			7.55	7.90		9.10			Pass
HE20	MCS0	2	64	5320	26/8	0.25	0.24			7.53	7.90		9.10			Pass
HE20	MCS0	2	64	5320	106/54	0.33	0.33			7.54	7.90		9.10			Pass
HE40	MCS0	2	54	5270	Full	0.46	0.46			7.51	7.90		9.10			Pass
HE40	MCS0	2	62	5310	Full	0.46	0.46			4.71	7.90		9.10			Pass
HE80	MCS0	2	58	5290	Full	0.47	0.48			-2.19	7.90		9.10			Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	100	5500	Full	17.80	17.40	20.61	23.98		5.07		30	Pass
HE20	MCS0	2	100	5500	26/0	9.50	7.80	11.74	23.98		5.07		30	Pass
HE20	MCS0	2	100	5500	106/53	15.30	14.30	17.84	23.98		5.07		30	Pass
HE20	MCS0	2	120	5600	Full	17.60	17.20	20.41	23.98		5.07		30	Pass
HE20	MCS0	2	140	5700	Full	17.60	17.40	20.51	23.98		5.07		30	Pass
HE20	MCS0	2	140	5700	26/8	8.60	8.80	11.71	23.98		5.07		30	Pass
HE20	MCS0	2	140	5700	106/54	14.40	13.50	16.98	23.98		5.07		30	Pass
HE40	MCS0	2	102	5510	Full	17.70	17.50	20.61	23.98		5.07		30	Pass
HE40	MCS0	2	118	5590	Full	19.40	18.80	22.12	23.98		5.07		30	Pass
HE40	MCS0	2	134	5670	Full	18.70	18.30	21.51	23.98		5.07		30	Pass
HE80	MCS0	2	106	5530	Full	14.40	14.40	17.41	23.98		5.07		30	Pass
HE80	MCS0	2	122	5610	Full	18.10	17.60	20.87	23.98		5.07		30	Pass
HE160	MCS0	2	114	5570	Full	11.40	11.10	14.26	23.98		5.07		30	Pass

FCC U-NII-2C straddle channel MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	144	5720	Full	17.30	17.10	20.21	23.98		5.07		30	Pass
HE40	MCS0	2	142	5710	Full	18.10	17.70	20.91	23.98		5.07		30	Pass
HE80	MCS0	2	138	5690	Full	19.30	19.10	22.21	23.98		5.07		30	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																	
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	100	5500	Full	19.57	19.64	32.52	30.76	23.92		29.92		23.98		----	----
HE20	MCS0	2	120	5600	Full	19.17	19.16	23.05	22.90	23.82		29.82		23.98		----	----
HE20	MCS0	2	140	5700	Full	19.45	19.53	32.16	33.25	23.89		29.89		23.98		----	----
HE40	MCS0	2	102	5510	Full	38.12	37.83	59.82	51.66	23.98		30.00		23.98		----	----
HE40	MCS0	2	118	5590	Full	37.80	37.49	44.70	40.06	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	38.21	37.93	59.25	55.82	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	77.47	76.26	107.52	83.68	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	77.02	76.37	82.08	81.63	23.98		30.00		23.98		----	----
HE160	MCS0	2	114	5570	Full	155.45	154.08	167.76	167.23	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																	
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	144	5720	Full	14.61	14.54	16.65	16.17	23.83		29.83		23.98		4.445	4.56
HE40	MCS0	2	142	5710	Full	33.83	34.02	35.21	35.24	23.98		30.00		23.98		3.612	3.954
HE80	MCS0	2	138	5690	Full	73.46	73.41	75.90	76.06	23.98		30.00		23.98		3.32	3
6dB Bandwidth Limit ≧ 500kHz																Pass	

TEST RESULTS DATA
Power Spectral Density

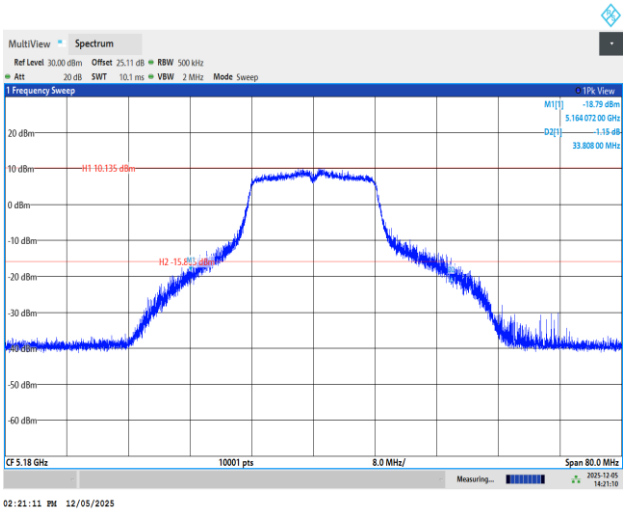
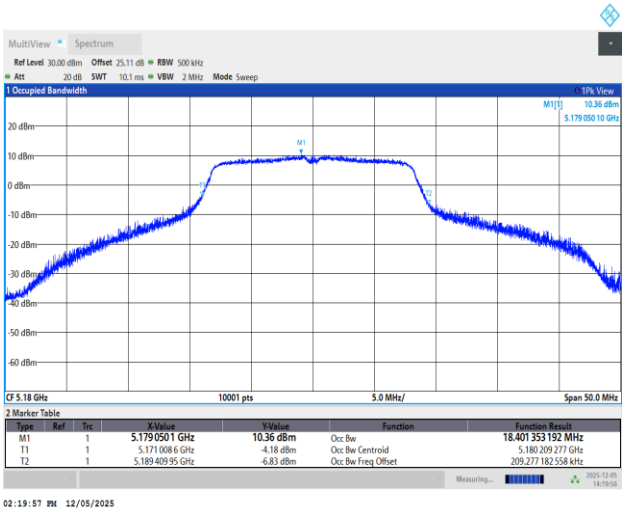
U-NII-2C MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	100	5500	Full	0.15	0.15			8.81	8.93		8.07			Pass
HE20	MCS0	2	100	5500	26/0	0.25	0.24			8.50	8.93		8.07			Pass
HE20	MCS0	2	100	5500	106/53	0.33	0.33			8.26	8.93		8.07			Pass
HE20	MCS0	2	120	5600	Full	0.15	0.15			8.70	8.93		8.07			Pass
HE20	MCS0	2	140	5700	Full	0.15	0.15			8.63	8.93		8.07			Pass
HE20	MCS0	2	140	5700	26/8	0.25	0.24			8.49	8.93		8.07			Pass
HE20	MCS0	2	140	5700	106/54	0.33	0.33	-		7.59	8.93		8.07		-	Pass
HE40	MCS0	2	102	5510	Full	0.46	0.46			6.86	8.93		8.07			Pass
HE40	MCS0	2	118	5590	Full	0.46	0.46			8.88	8.93		8.07			Pass
HE40	MCS0	2	134	5670	Full	0.46	0.46			8.15	8.93		8.07			Pass
HE80	MCS0	2	106	5530	Full	0.47	0.48			0.86	8.93		8.07			Pass
HE80	MCS0	2	122	5610	Full	0.47	0.48			4.63	8.93		8.07			Pass
HE160	MCS0	2	114	5570	Full	0.47	0.48			-6.03	8.93		8.07			Pass

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	144	5720	Full	0.15	0.15			8.01	8.93		8.07			Pass
HE40	MCS0	2	142	5710	Full	0.46	0.46	-		6.82	8.93		8.07		-	Pass
HE80	MCS0	2	138	5690	Full	0.47	0.48			5.72	8.93		8.07			Pass

Test Result of 26dB & 99% Occupied Bandwidth

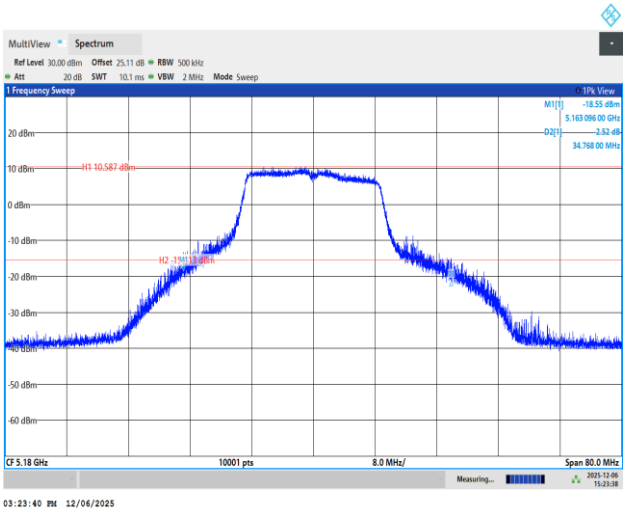
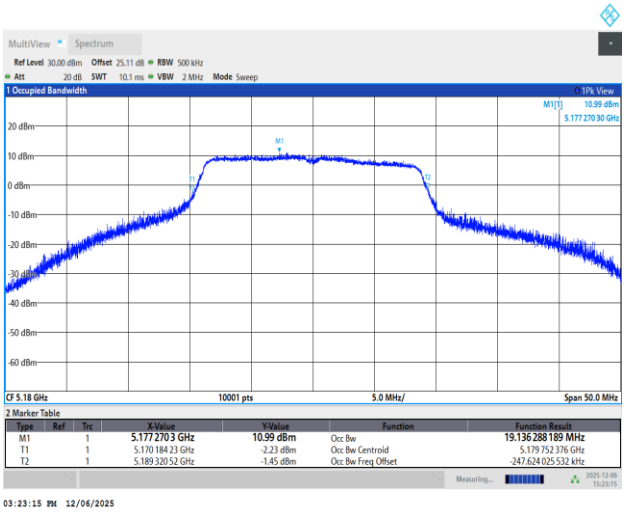
MIMO <Ant. 1+2>

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

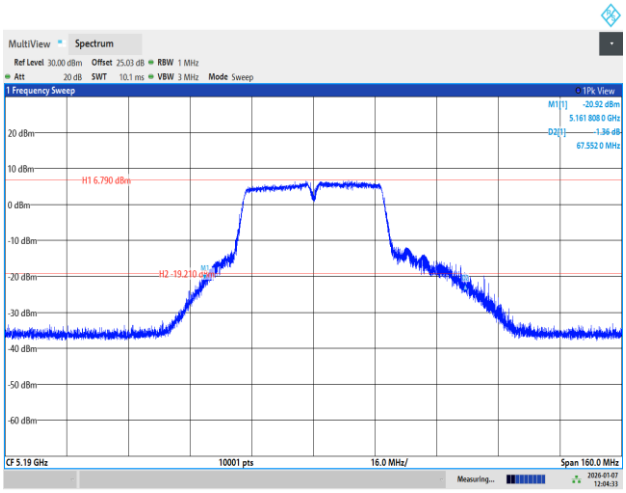
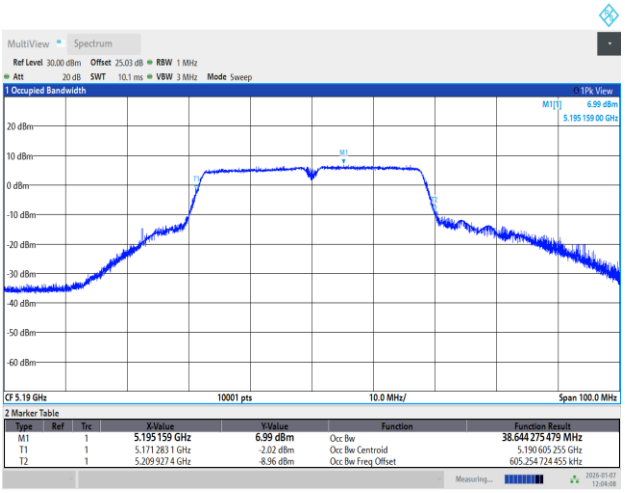
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT20>

26dB Bandwidth	99% Occupied Bandwidth
	

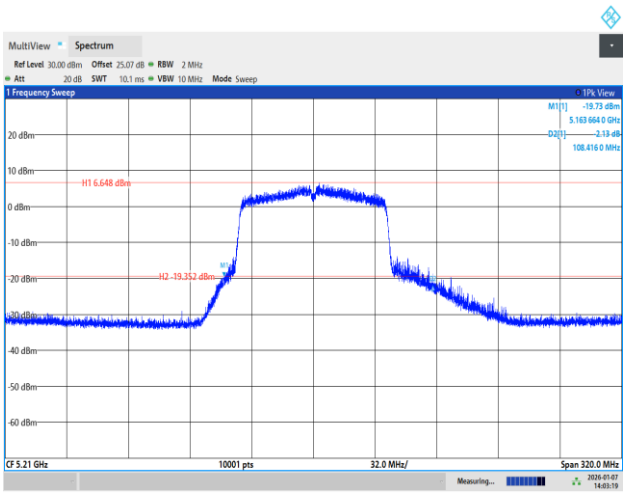
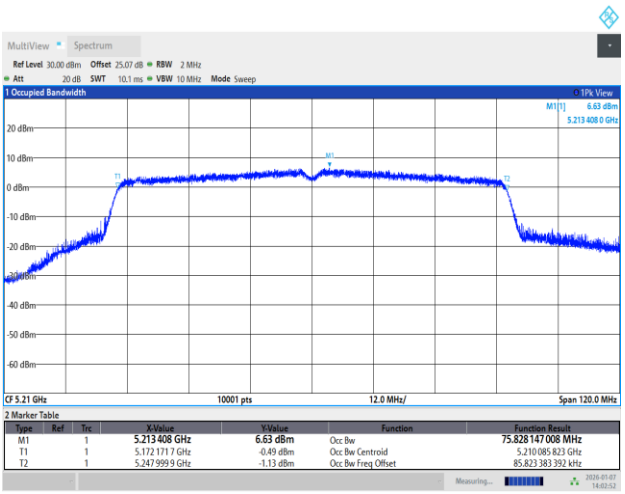
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT40>

26dB Bandwidth	99% Occupied Bandwidth
	

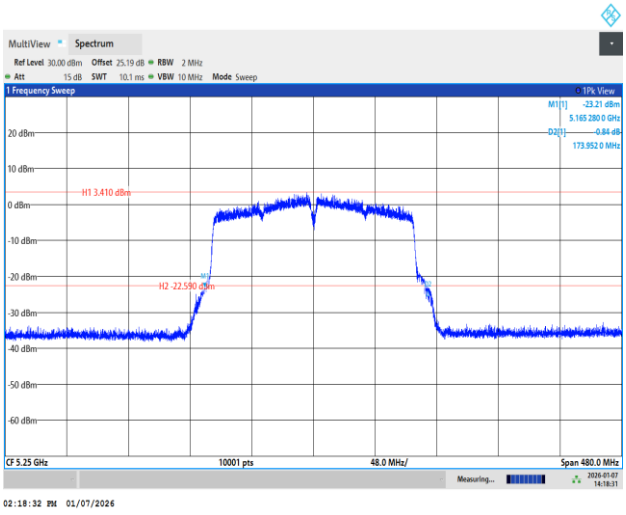
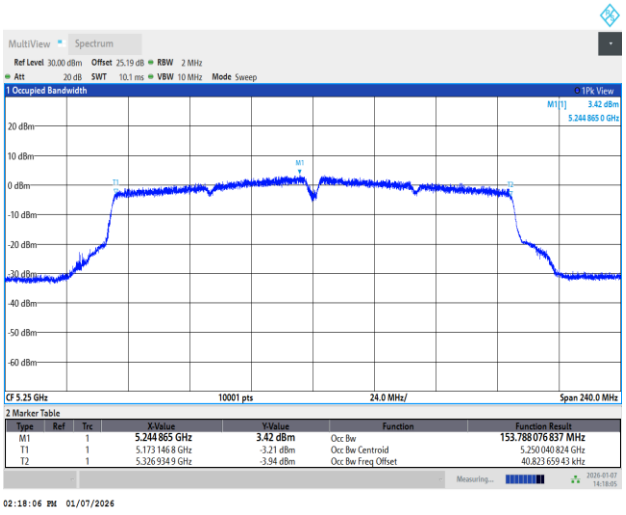
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT80>

26dB Bandwidth	99% Occupied Bandwidth
	

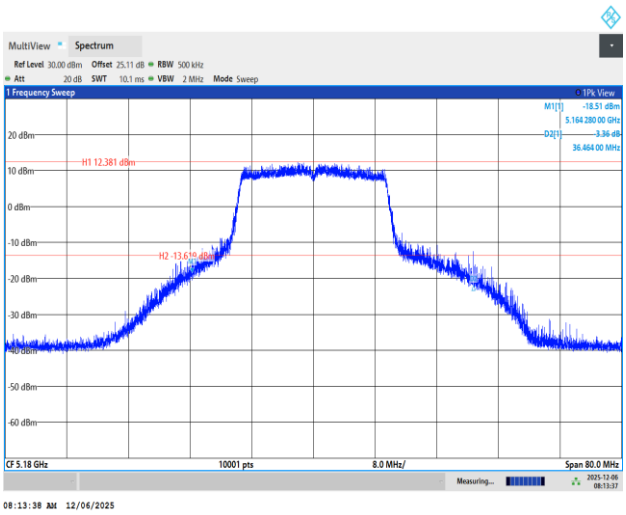
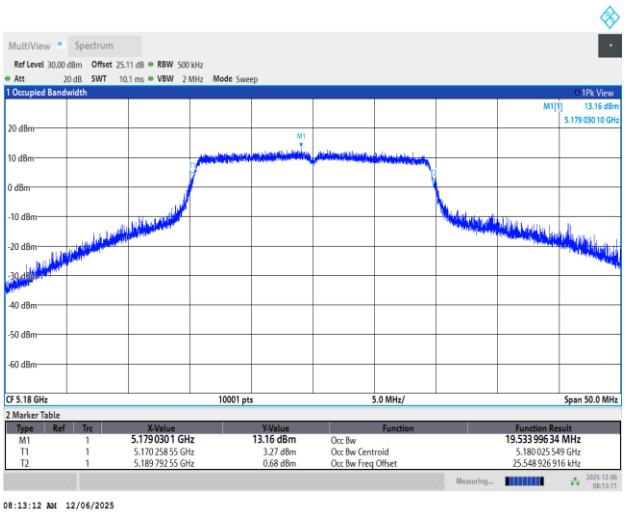
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT160>

26dB Bandwidth	99% Occupied Bandwidth
	

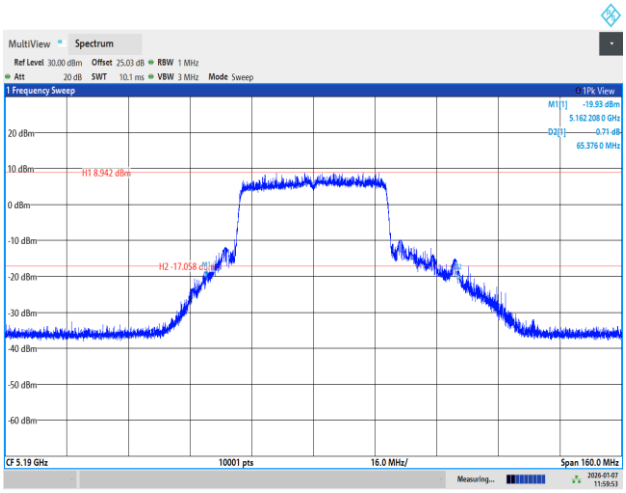
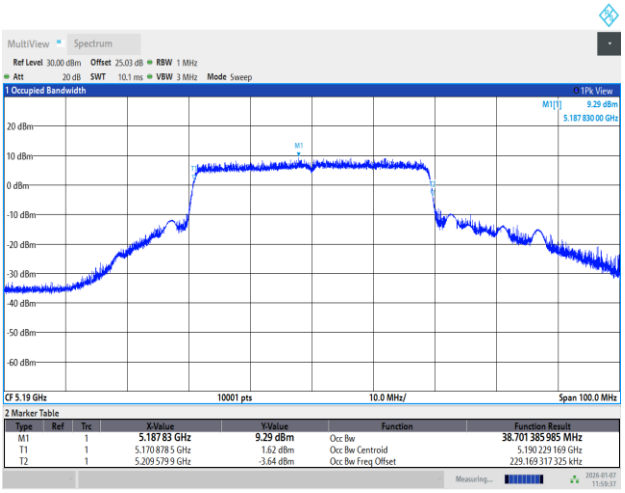
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

26dB Bandwidth	99% Occupied Bandwidth
	

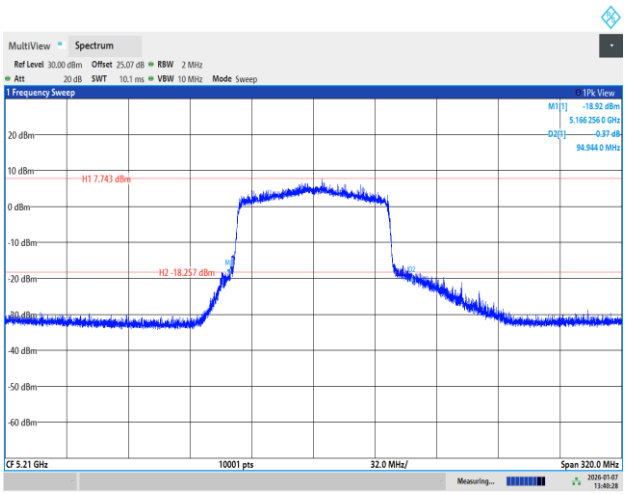
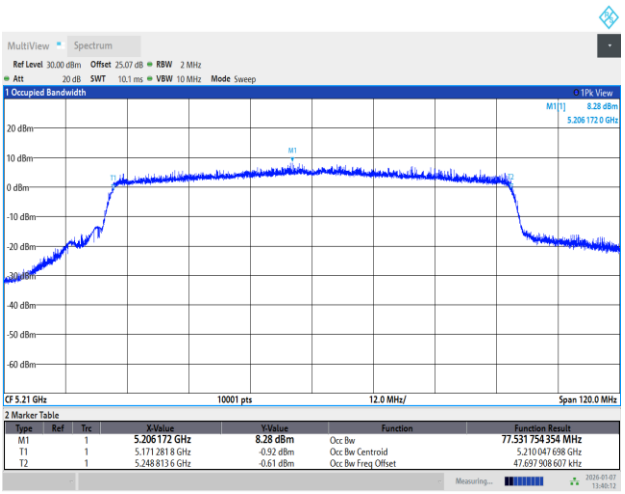
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

26dB Bandwidth	99% Occupied Bandwidth
	

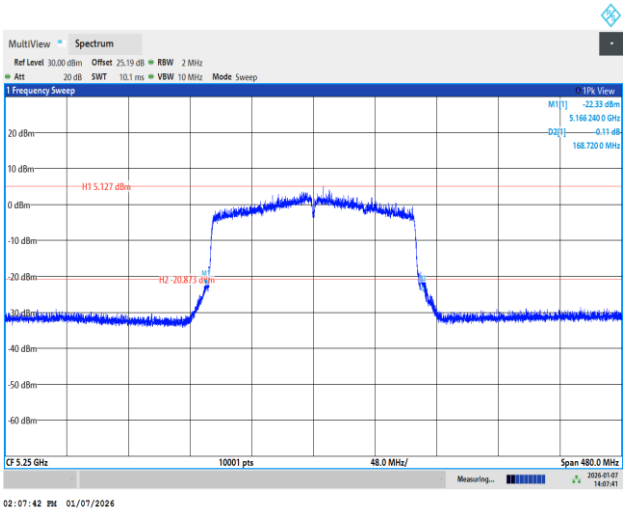
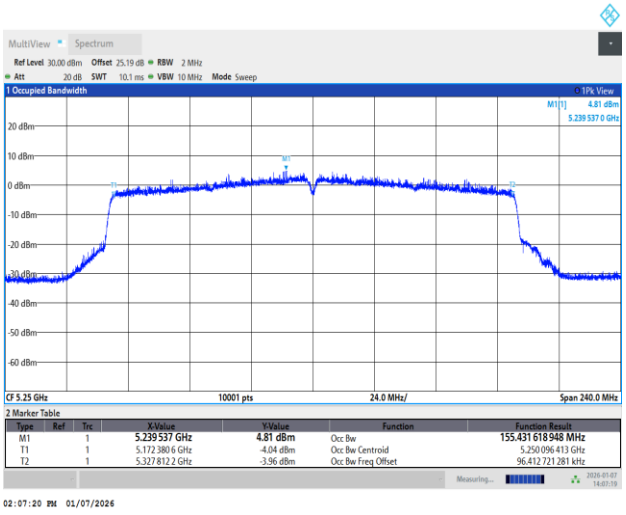
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE80>

26dB Bandwidth	99% Occupied Bandwidth
	

Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE160>

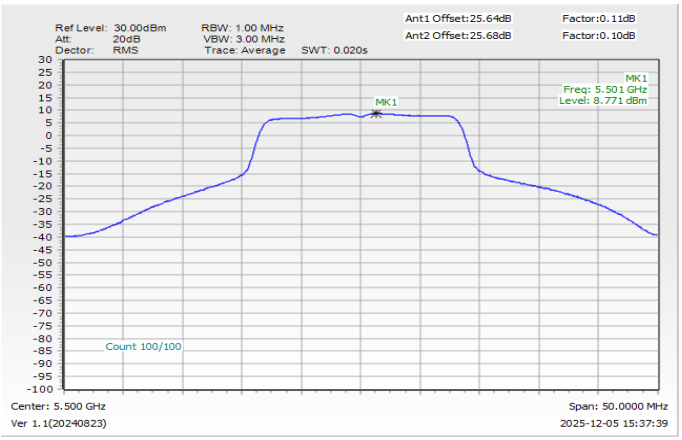
26dB Bandwidth	99% Occupied Bandwidth
	

Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

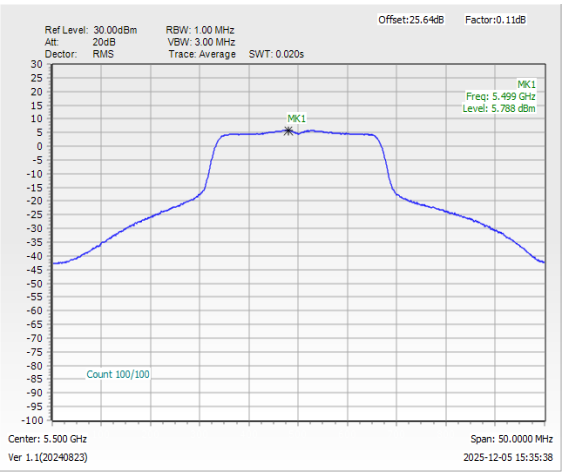
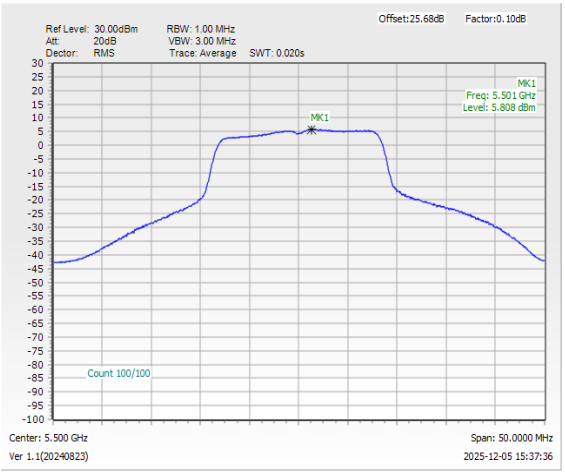
Test Result of Power Spectral Density

<802.11a>

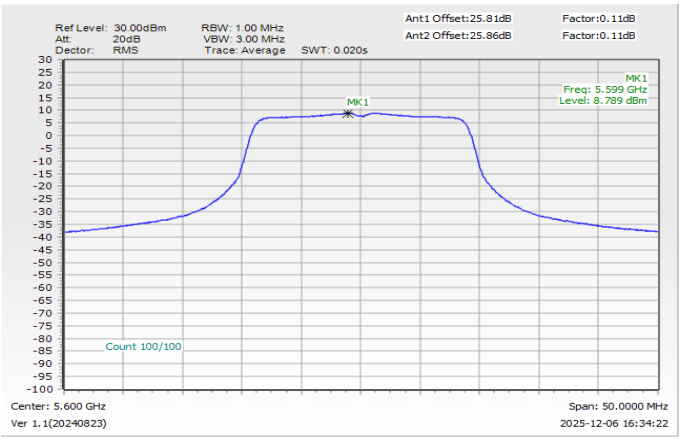
Maximum Power Density Plot (dBm/MHz)



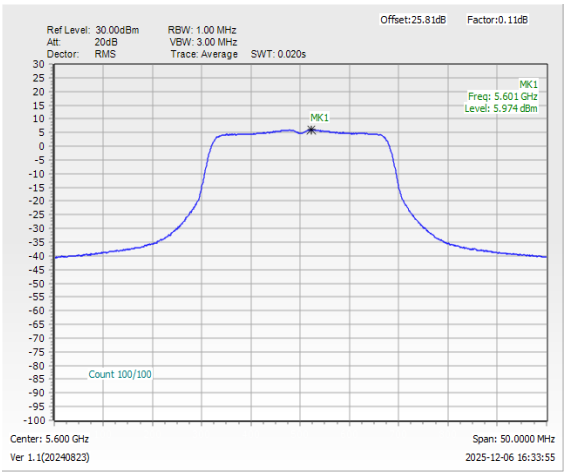
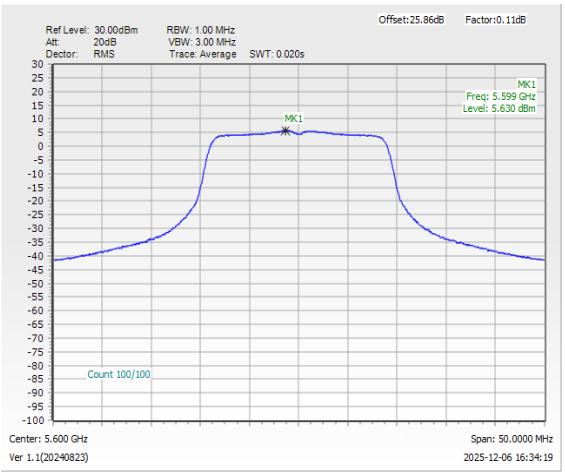
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

<802.11ac VHT20>

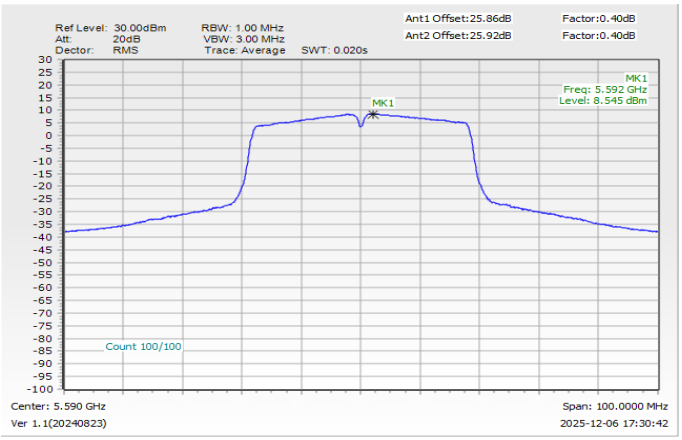
Maximum Power Density Plot (dBm/MHz)


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

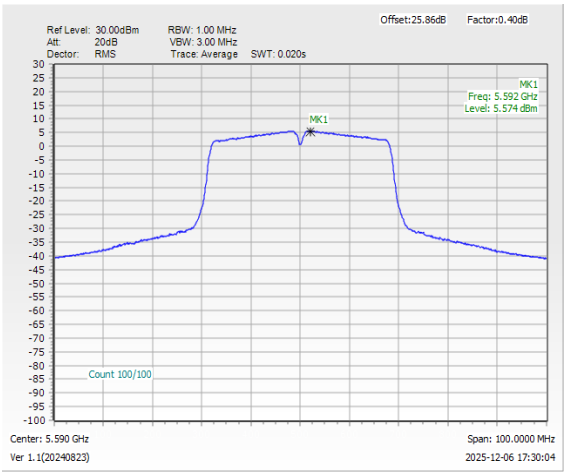
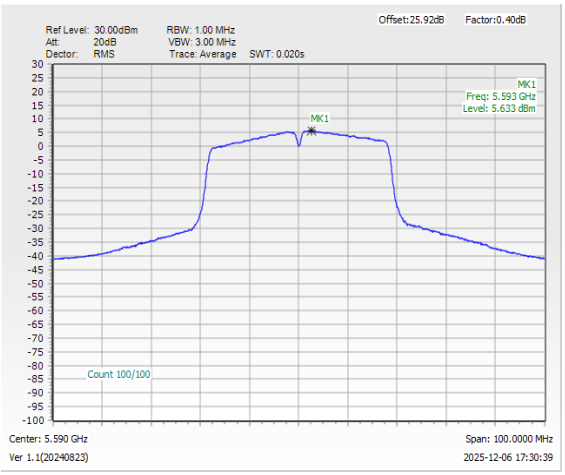
Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

<802.11ac VHT40>

Maximum Power Density Plot (dBm/MHz)

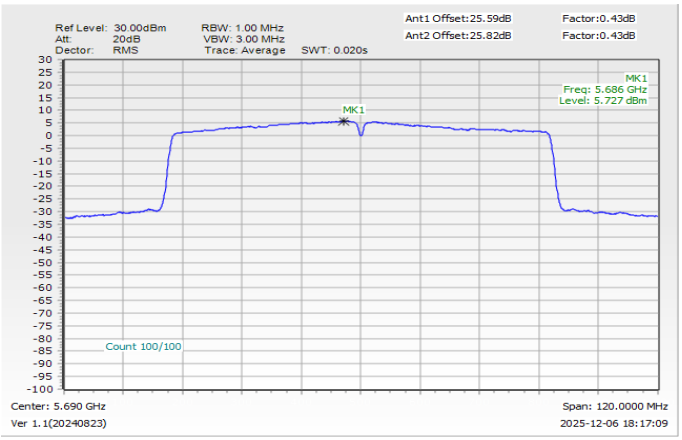


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

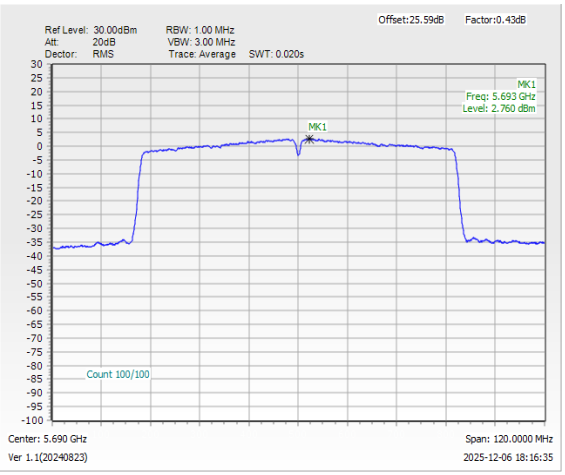
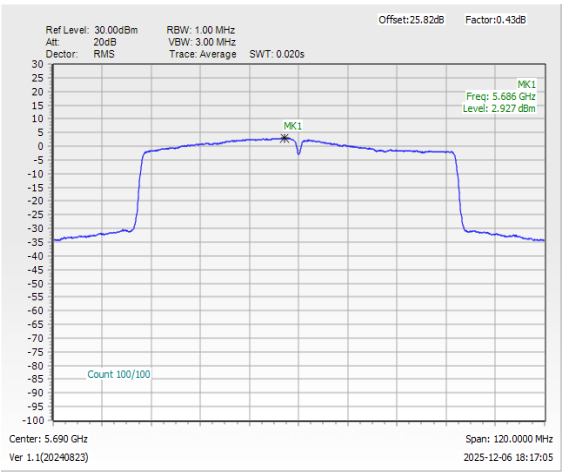
Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

<802.11ac VHT80>

Maximum Power Density Plot (dBm/MHz)

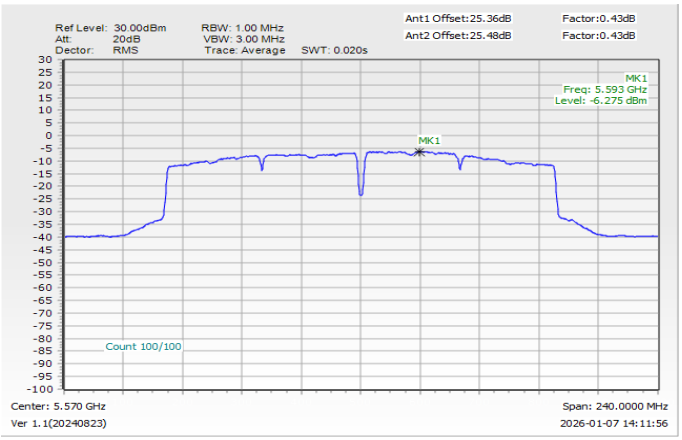


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

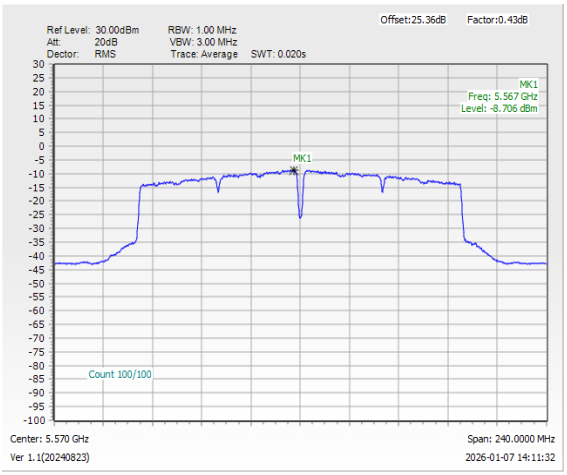
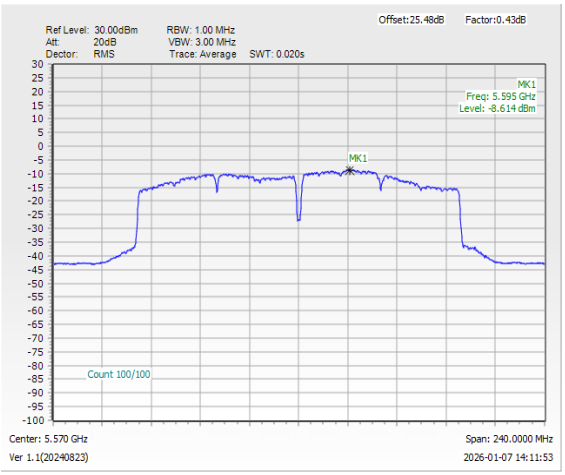
Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

<802.11ac VHT160>

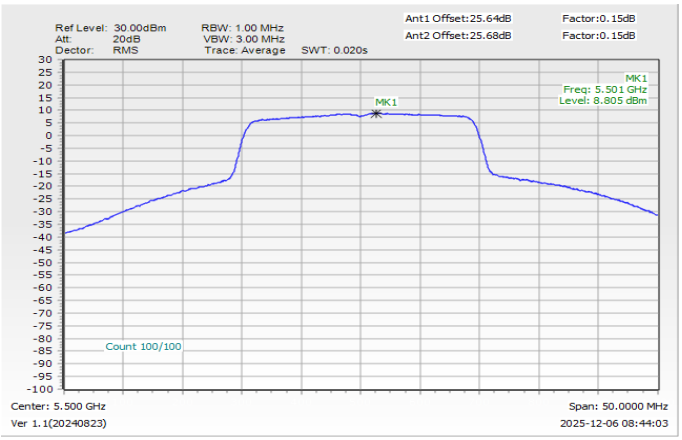
Maximum Power Density Plot (dBm/MHz)



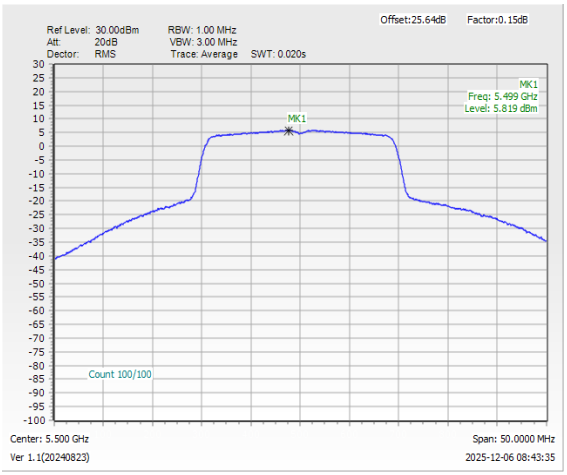
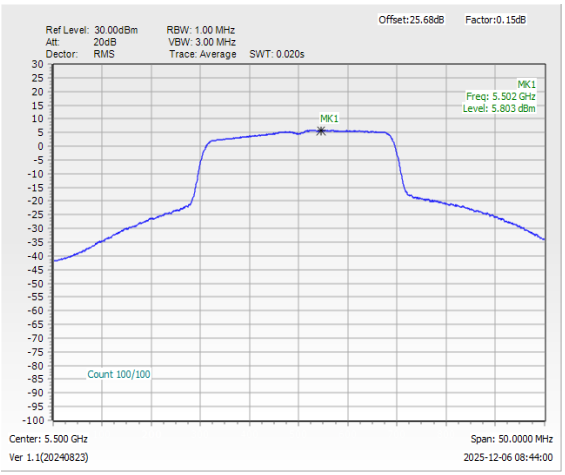
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

<802.11ax HE20>

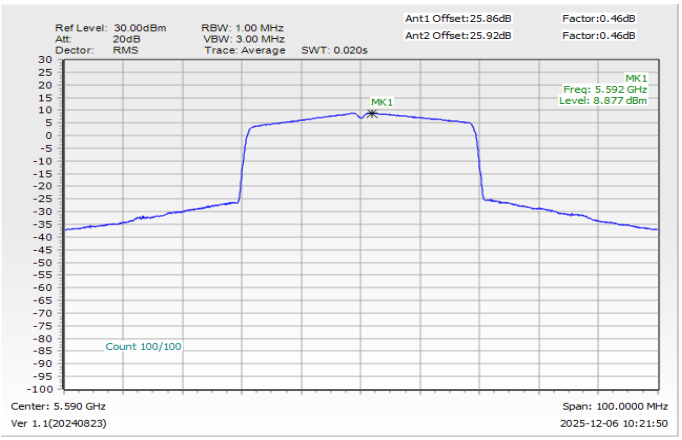
Maximum Power Density Plot (dBm/MHz)


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

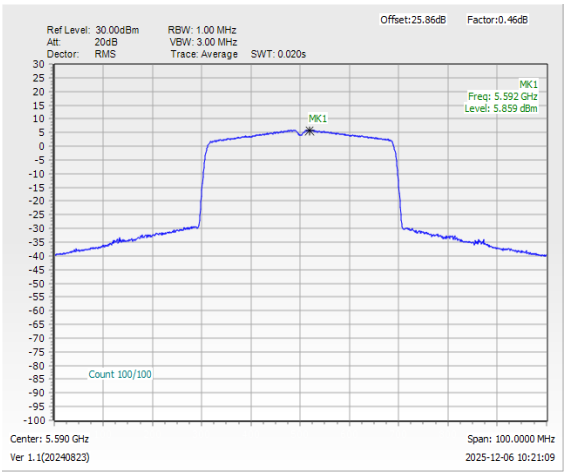
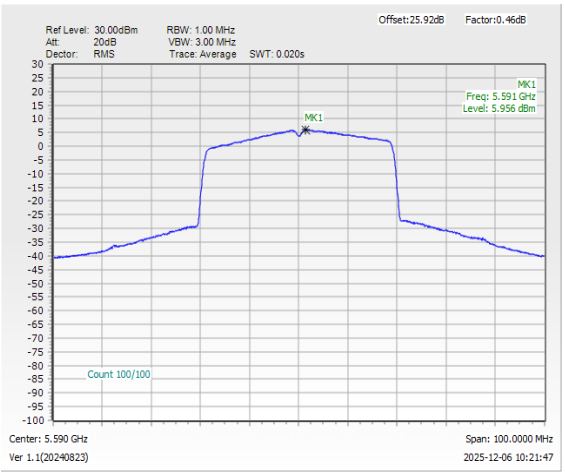
Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

<802.11ax HE40>

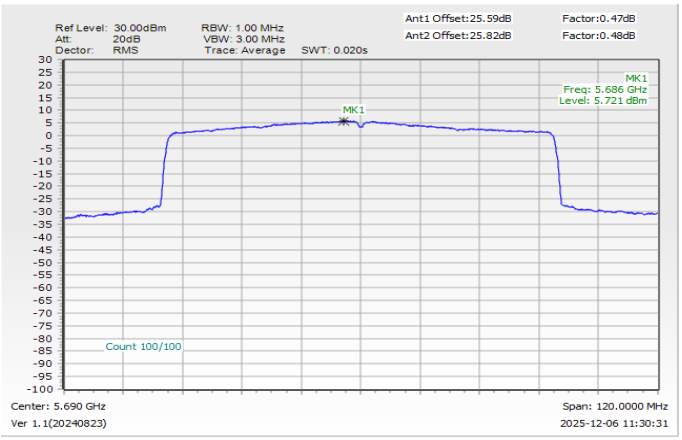
Maximum Power Density Plot (dBm/MHz)



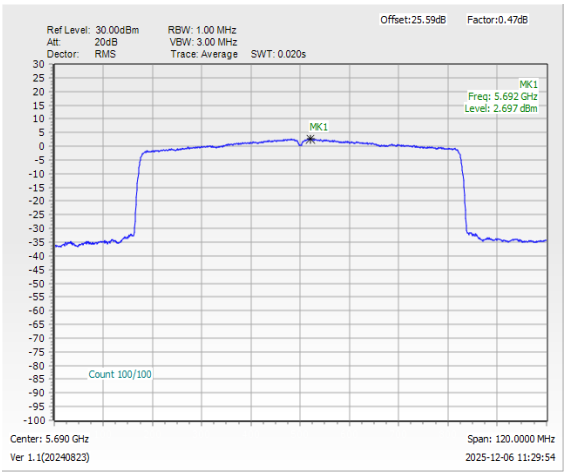
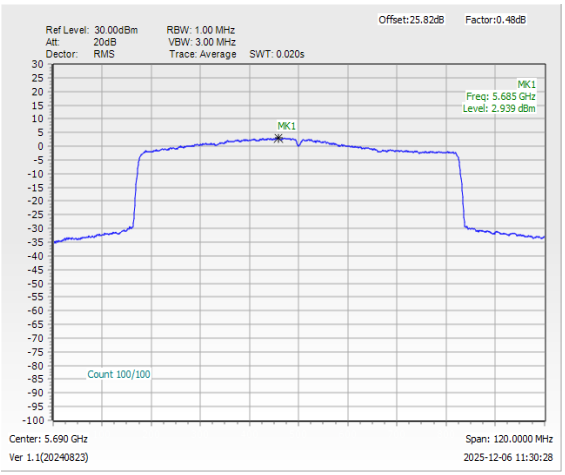
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

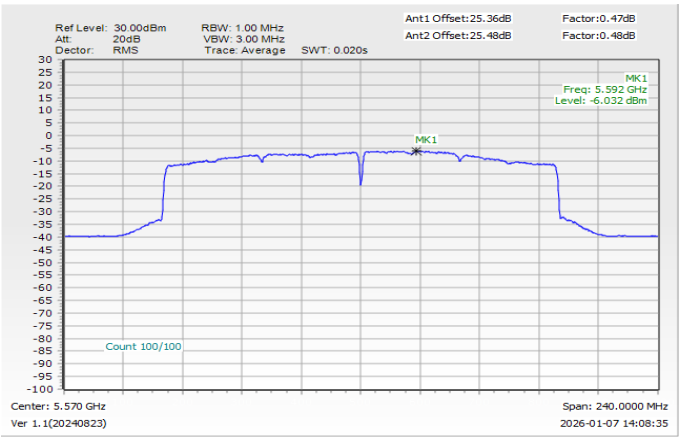
<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)


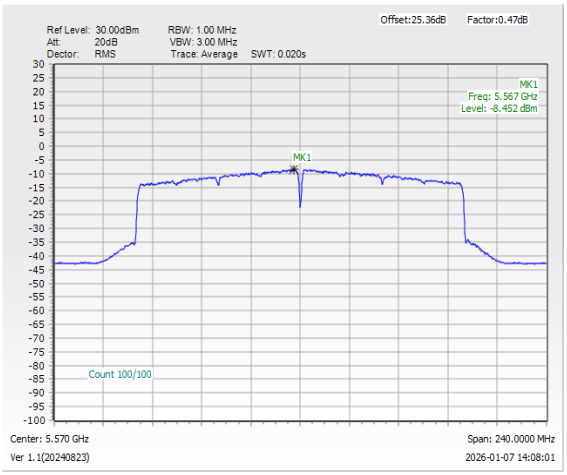
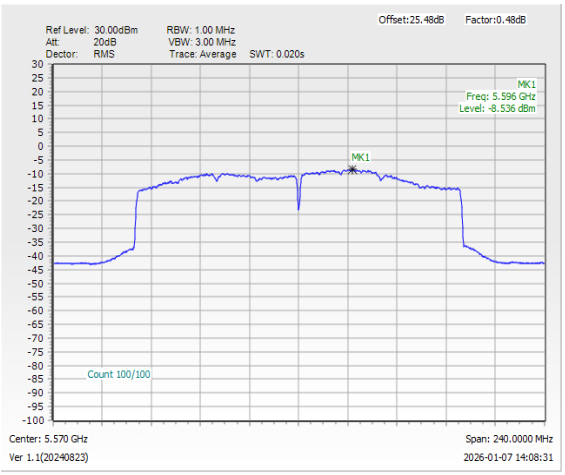
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

<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.

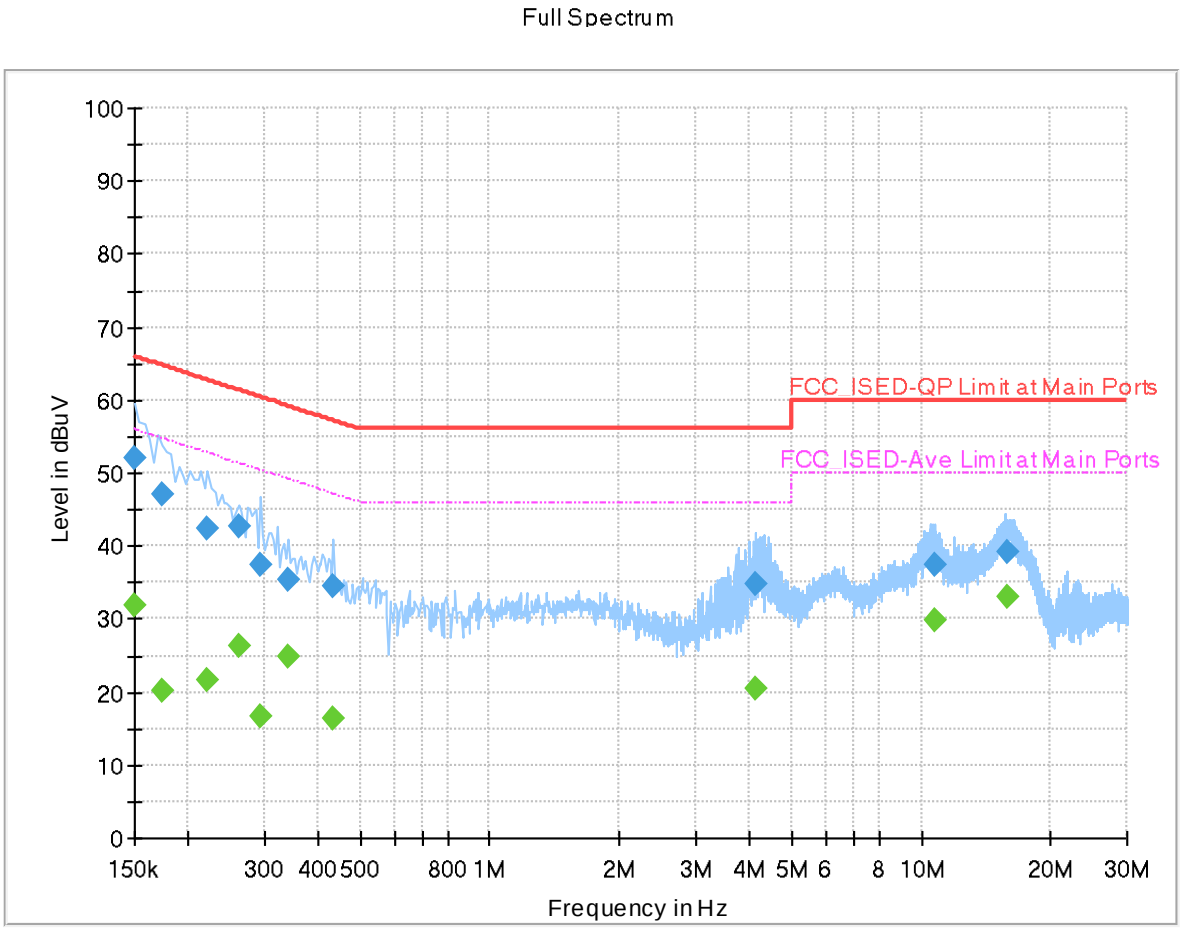
Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	22.1~23.7℃
		Relative Humidity :	45.6~48.9%

EUT Information

Report NO :	5N0519
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line



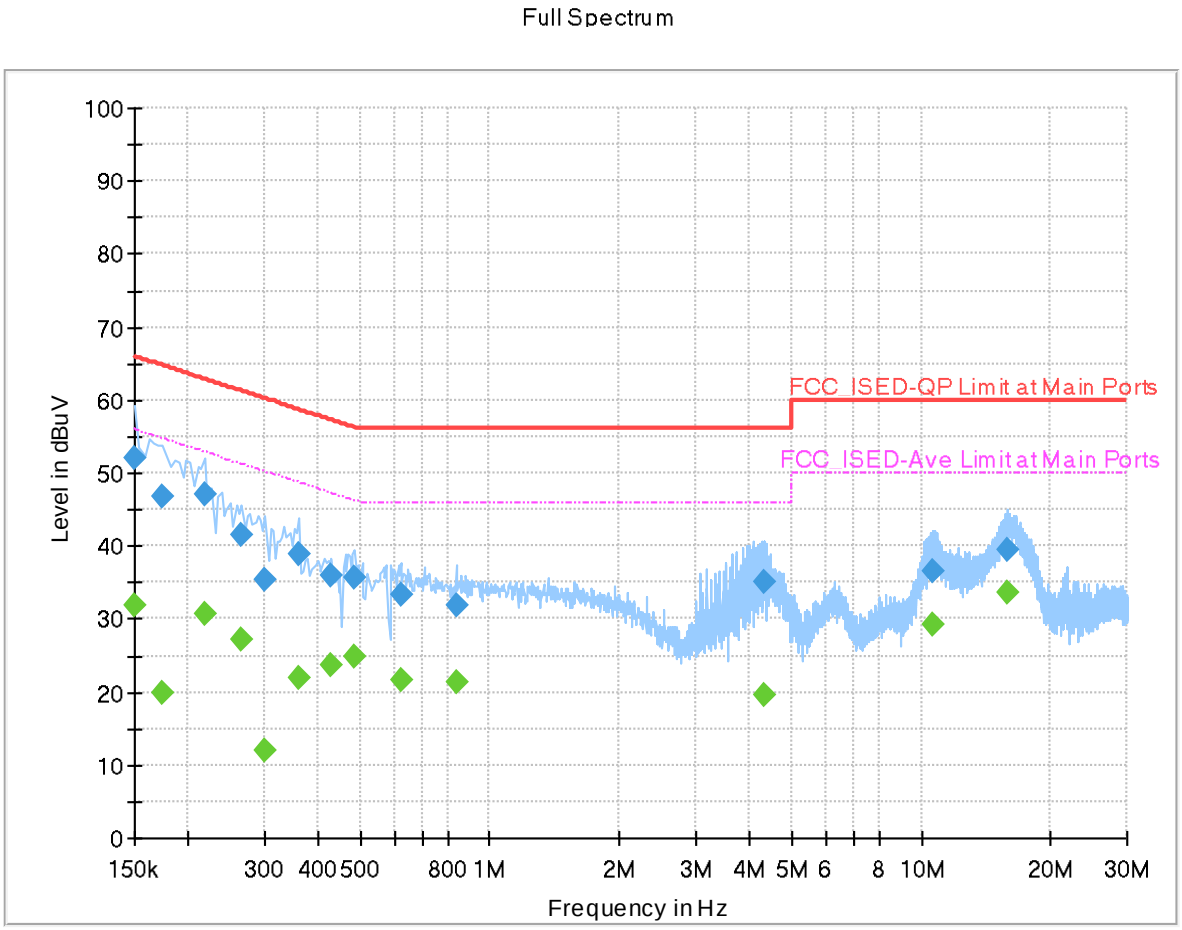
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.150000	---	32.00	56.00	24.00	L1	FLO	20.2
0.150000	52.16	---	66.00	13.84	L1	FLO	20.2
0.174000	---	20.08	54.77	34.69	L1	FLO	20.2
0.174000	47.06	---	64.77	17.71	L1	FLO	20.2
0.222000	---	21.55	52.74	31.19	L1	FLO	20.1
0.222000	42.45	---	62.74	20.29	L1	FLO	20.1
0.262000	---	26.17	51.37	25.20	L1	FLO	20.1
0.262000	42.55	---	61.37	18.82	L1	FLO	20.1
0.294000	---	16.72	50.41	33.69	L1	FLO	20.1
0.294000	37.43	---	60.41	22.98	L1	FLO	20.1
0.342000	---	24.79	49.16	24.37	L1	FLO	20.0
0.342000	35.28	---	59.16	23.88	L1	FLO	20.0
0.434000	---	16.29	47.18	30.89	L1	FLO	20.0
0.434000	34.47	---	57.18	22.71	L1	FLO	20.0
4.150000	---	20.54	46.00	25.46	L1	FLO	20.1
4.150000	34.93	---	56.00	21.07	L1	FLO	20.1
10.738000	---	29.68	50.00	20.32	L1	FLO	20.4
10.738000	37.44	---	60.00	22.56	L1	FLO	20.4
15.870000	---	33.00	50.00	17.00	L1	FLO	20.7

15.870000	**39.09**	**---**	**60.00**	**20.91**	**L1**	**FLO**	**20.7**

EUT Information

Report NO :	5N0519
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.150000	---	31.87	56.00	24.13	N	FLO	20.2
0.150000	52.07	---	66.00	13.93	N	FLO	20.2
0.174000	---	19.78	54.77	34.99	N	FLO	20.2
0.174000	46.69	---	64.77	18.08	N	FLO	20.2
0.218000	---	30.73	52.90	22.17	N	FLO	20.1
0.218000	47.20	---	62.90	15.70	N	FLO	20.1
0.266000	---	27.07	51.24	24.17	N	FLO	20.1
0.266000	41.55	---	61.24	19.69	N	FLO	20.1
0.302000	---	12.12	50.19	38.07	N	FLO	20.1
0.302000	35.39	---	60.19	24.80	N	FLO	20.1
0.362000	---	21.89	48.68	26.79	N	FLO	20.0
0.362000	39.01	---	58.68	19.67	N	FLO	20.0
0.430000	---	23.62	47.25	23.63	N	FLO	20.0
0.430000	35.88	---	57.25	21.37	N	FLO	20.0
0.486000	---	24.79	46.24	21.45	N	FLO	20.0
0.486000	35.66	---	56.24	20.58	N	FLO	20.0
0.622000	---	21.64	46.00	24.36	N	FLO	20.0
0.622000	33.22	---	56.00	22.78	N	FLO	20.0
0.834000	---	21.23	46.00	24.77	N	FLO	20.0

0.834000	31.93	---	56.00	24.07	N	FLO	20.0
4.322000	---	19.63	46.00	26.37	N	FLO	20.1
4.322000	35.20	---	56.00	20.80	N	FLO	20.1
10.606000	---	29.13	50.00	20.87	N	FLO	20.4
10.606000	36.64	---	60.00	23.36	N	FLO	20.4
15.838000	---	33.48	50.00	16.52	N	FLO	20.7
15.838000	39.58	---	60.00	20.42	N	FLO	20.7

Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	Leo Li, Karl Hou and Lucifer Jiang	**Temperature :**	19~23°C
		Relative Humidity :	60~64.5%

Note symbol

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

C1.1.Radiated Spurious Emission Test Modes

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	U-NII-1	5.15-5.25	1 + 2	802.11a	36	5180	6Mbps	-	-
Mode 2	U-NII-1	5.15-5.25	1 + 2	802.11a	44	5220	6Mbps	-	-
Mode 3	U-NII-1	5.15-5.25	1 + 2	802.11a	48	5240	6Mbps	-	-
Mode 4	U-NII-2A	5.25-5.35	1 + 2	802.11a	52	5260	6Mbps	-	-
Mode 5	U-NII-2A	5.25-5.35	1 + 2	802.11a	60	5300	6Mbps	-	-
Mode 6	U-NII-2A	5.25-5.35	1 + 2	802.11a	64	5320	6Mbps	-	-
Mode 7	U-NII-2C	5.47-5.725	1 + 2	802.11a	100	5500	6Mbps	-	-
Mode 8	U-NII-2C	5.47-5.725	1 + 2	802.11a	116	5580	6Mbps	-	-
Mode 9	U-NII-2C	5.47-5.725	1 + 2	802.11a	140	5700	6Mbps	-	-
Mode 10	U-NII-2C	5.47-5.725	1 + 2	802.11a	144	5720	6Mbps	-	-
Mode 11	U-NII-1	5.15-5.25	1 + 2	802.11ax HE20	36	5180	MCS0	-	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 12	U-NII-1	5.15-5.25	1 + 2	802.11ax HE20	44	5220	MCS0	-	-
Mode 13	U-NII-1	5.15-5.25	1 + 2	802.11ax HE20	48	5240	MCS0	-	-
Mode 14	U-NII-1	5.15-5.25	1 + 2	802.11ax HE20	36	5180	MCS0	26/0	-
Mode 15	U-NII-1	5.15-5.25	1 + 2	802.11ax HE20	36	5180	MCS0	106/53	-
Mode 16	U-NII-1	5.15-5.25	1 + 2	802.11ax HE40	38	5190	MCS0	-	-
Mode 17	U-NII-1	5.15-5.25	1 + 2	802.11ax HE40	46	5230	MCS0	-	-
Mode 18	U-NII-1	5.15-5.25	1 + 2	802.11ax HE80	42	5210	MCS0	-	-
Mode 19	U-NII-1	5.15-5.25	1 + 2	802.11ax HE160	50	5250	MCS0	-	-
Mode 20	U-NII-2A	5.25-5.35	1 + 2	802.11ax HE20	52	5260	MCS0	-	-
Mode 21	U-NII-2A	5.25-5.35	1 + 2	802.11ax HE20	60	5300	MCS0	-	-
Mode 22	U-NII-2A	5.25-5.35	1 + 2	802.11ax HE20	64	5320	MCS0	-	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 23	U-NII-2A	5.25-5.35	1 + 2	802.11ax HE20	64	5320	MCS0	26/8	-
Mode 24	U-NII-2A	5.25-5.35	1 + 2	802.11ax HE20	64	5320	MCS0	106/54	-
Mode 25	U-NII-2A	5.25-5.35	1 + 2	802.11ax HE40	54	5270	MCS0	-	-
Mode 26	U-NII-2A	5.25-5.35	1 + 2	802.11ax HE40	62	5310	MCS0	-	-
Mode 27	U-NII-2A	5.25-5.35	1 + 2	802.11ax HE80	58	5290	MCS0	-	-
Mode 28	U-NII-2C	5.47-5.725	1 + 2	802.11ax HE20	100	5500	MCS0	-	-
Mode 29	U-NII-2C	5.47-5.725	1 + 2	802.11ax HE20	116	5580	MCS0	-	-
Mode 30	U-NII-2C	5.47-5.725	1 + 2	802.11ax HE20	140	5700	MCS0	-	-
Mode 31	U-NII-2C	5.47-5.725	1 + 2	802.11ax HE20	144	5720	MCS0	-	-
Mode 32	U-NII-2C	5.47-5.725	1 + 2	802.11ax HE20	100	5500	MCS0	26/0	-
Mode 33	U-NII-2C	5.47-5.725	1 + 2	802.11ax HE20	100	5500	MCS0	106/53	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 34	U-NII-2C	5.47-5.725	1 + 2	802.11ax HE20	140	5700	MCS0	26/8	-
Mode 35	U-NII-2C	5.47-5.725	1 + 2	802.11ax HE20	140	5700	MCS0	106/54	-
Mode 36	U-NII-2C	5.47-5.725	1 + 2	802.11ax HE40	102	5510	MCS0	-	-
Mode 37	U-NII-2C	5.47-5.725	1 + 2	802.11ax HE40	110	5550	MCS0	-	-
Mode 38	U-NII-2C	5.47-5.725	1 + 2	802.11ax HE40	134	5670	MCS0	-	-
Mode 39	U-NII-2C	5.47-5.725	1 + 2	802.11ax HE40	142	5710	MCS0	-	-
Mode 40	U-NII-2C	5.47-5.725	1 + 2	802.11ax HE80	106	5530	MCS0	-	-
Mode 41	U-NII-2C	5.47-5.725	1 + 2	802.11ax HE80	122	5610	MCS0	-	-
Mode 42	U-NII-2C	5.47-5.725	1 + 2	802.11ax HE80	138	5690	MCS0	-	-
Mode 43	U-NII-2C	5.47-5.725	1 + 2	802.11ax HE160	114	5570	MCS0	-	-
Mode 44	U-NII-2C	5.47-5.725	1 + 2	802.11ax HE80	106	5530	MCS0	-	LF

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 45	U-NII-2C	5.47-5.725	1 + 2	802.11ax HE80	106	5530	MCS0	-	SHF

C1.2.Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
1	802.11a	36	5149.76	52.76	54.00	-1.24	V	Avg.	Pass	-	Band Edge
	802.11a	36	10360.00	62.86	68.20	-5.34	V	Peak	Pass	-	Harmonic
2	802.11a	44	5148.50	48.74	54.00	-5.26	V	Avg.	Pass	-	Band Edge
	802.11a	44	10440.00	61.11	68.20	-7.09	V	Peak	Pass	-	Harmonic
3	802.11a	48	5149.28	46.23	54.00	-7.77	V	Avg.	Pass	-	Band Edge
	802.11a	48	10480.00	60.53	68.20	-7.67	H	Peak	Pass	-	Harmonic
4	802.11a	52	5350.20	46.22	54.00	-7.78	V	Avg.	Pass	-	Band Edge
	802.11a	52	10520.00	61.07	68.20	-7.13	H	Peak	Pass	-	Harmonic
5	802.11a	60	5353.76	47.12	54.00	-6.88	V	Avg.	Pass	-	Band Edge
	802.11a	60	10600.00	53.34	54.00	-0.66	V	Avg.	Pass	-	Harmonic
6	802.11a	64	5354.16	48.63	54.00	-5.37	V	Avg.	Pass	-	Band Edge

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
6	802.11a	64	10640.00	53.06	54.00	-0.94	V	Avg.	Pass	-	Harmonic
7	802.11a	100	5458.45	46.85	54.00	-7.15	V	Avg.	Pass	-	Band Edge
	802.11a	100	11000.00	52.54	54.00	-1.46	H	Avg.	Pass	-	Harmonic
8	802.11a	116	5459.48	44.75	54.00	-9.25	V	Avg.	Pass	-	Band Edge
	802.11a	116	11160.00	53.00	54.00	-1.00	V	Avg.	Pass	-	Harmonic
9	802.11a	140	5725.55	62.37	68.20	-5.83	H	Peak	Pass	-	Band Edge
	802.11a	140	11400.00	51.52	54.00	-2.48	V	Avg.	Pass	-	Harmonic
10	802.11a	144	5468.56	42.47	54.00	-11.53	V	Avg.	Pass	-	Band Edge
	802.11a	144	11440.00	47.76	54.00	-6.24	V	Avg.	Pass	-	Harmonic
11	802.11ax HE20	36	5148.32	53.28	54.00	-0.72	V	Avg.	Pass	-	Band Edge
	802.11ax HE20	36	15540.00	46.22	54.00	-7.78	H	Avg.	Pass	-	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
12	802.11ax HE20	44	5149.38	49.60	54.00	-4.40	V	Avg.	Pass	-	Band Edge
	802.11ax HE20	44	15660.00	45.92	54.00	-8.08	H	Avg.	Pass	-	Harmonic
13	802.11ax HE20	48	5149.28	46.23	54.00	-7.77	V	Avg.	Pass	-	Band Edge
	802.11ax HE20	48	15720.00	45.77	54.00	-8.23	V	Avg.	Pass	-	Harmonic
14	802.11ax HE20	36	5147.42	45.90	54.00	-8.10	V	Avg.	Pass	26/0	Band Edge
	802.11ax HE20	36	-	-	-	-	-	-	-	26/0	Harmonic
15	802.11ax HE20	36	5148.50	50.94	54.00	-3.06	V	Avg.	Pass	106/53	Band Edge
	802.11ax HE20	36	-	-	-	-	-	-	-	106/53	Harmonic
16	802.11ax HE40	38	5148.58	52.75	54.00	-1.25	V	Avg.	Pass	-	Band Edge
	802.11ax HE40	38	15570.00	45.55	54.00	-8.45	V	Avg.	Pass	-	Harmonic
17	802.11ax HE40	46	5148.58	53.25	54.00	-0.75	V	Avg.	Pass	-	Band Edge

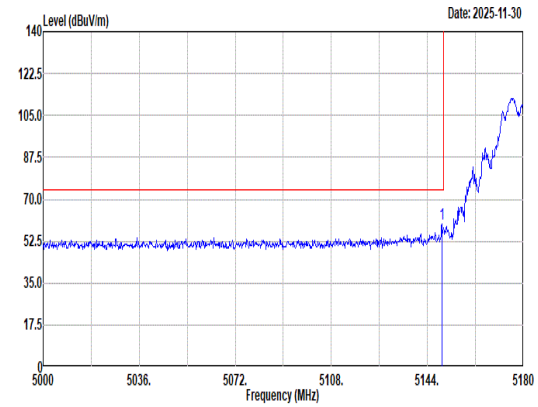
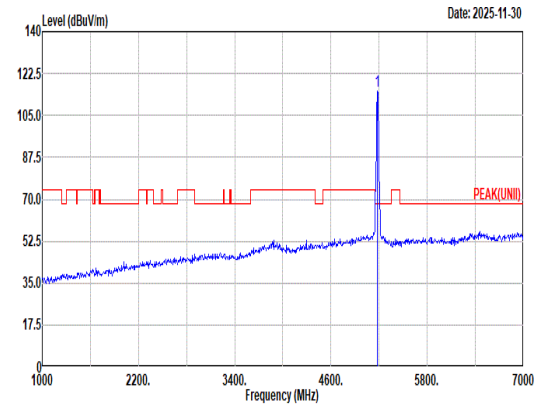
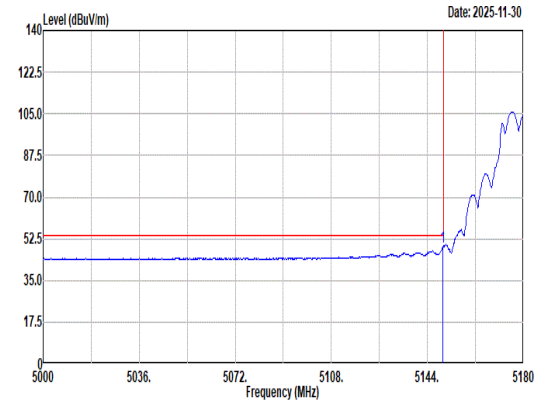
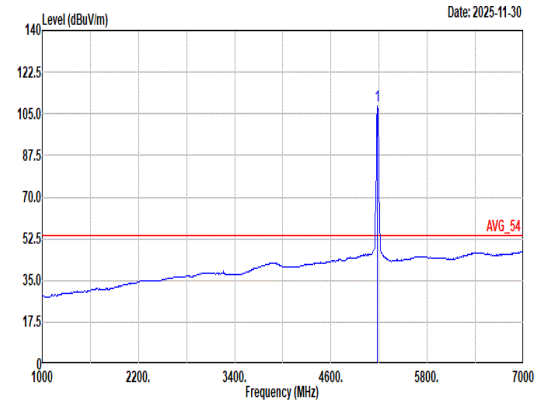
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
17	802.11ax HE40	46	15690.00	45.15	54.00	-8.85	V	Avg.	Pass	-	Harmonic
18	802.11ax HE80	42	5149.94	53.51	54.00	-0.49	V	Avg.	Pass	-	Band Edge
	802.11ax HE80	42	15630.00	46.22	54.00	-7.78	V	Avg.	Pass	-	Harmonic
19	802.11ax HE160	50	5146.25	53.14	54.00	-0.86	V	Avg.	Pass	-	Band Edge
	802.11ax HE160	50	15750.00	46.07	54.00	-7.93	H	Avg.	Pass	-	Harmonic
20	802.11ax HE20	52	5350.60	46.28	54.00	-7.72	V	Avg.	Pass	-	Band Edge
	802.11ax HE20	52	10520.00	59.69	68.20	-8.51	H	Peak	Pass	-	Harmonic
21	802.11ax HE20	60	5350.88	48.03	54.00	-5.97	V	Avg.	Pass	-	Band Edge
	802.11ax HE20	60	10600.00	52.70	54.00	-1.30	V	Avg.	Pass	-	Harmonic
22	802.11ax HE20	64	5351.50	51.50	54.00	-2.50	V	Avg.	Pass	-	Band Edge
	802.11ax HE20	64	10640.00	52.35	54.00	-1.65	V	Avg.	Pass	-	Harmonic

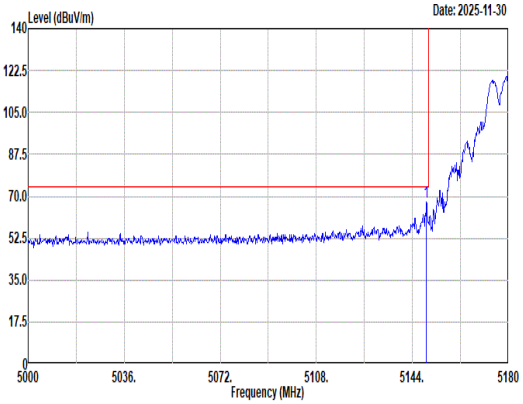
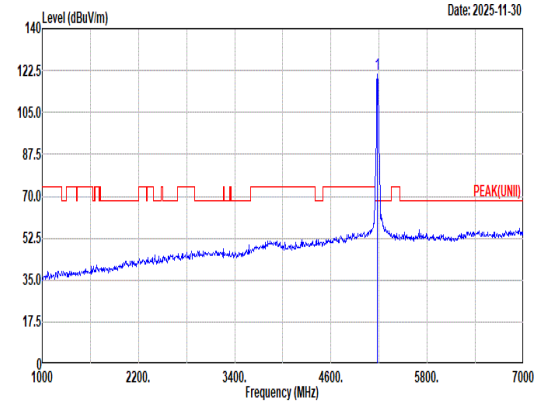
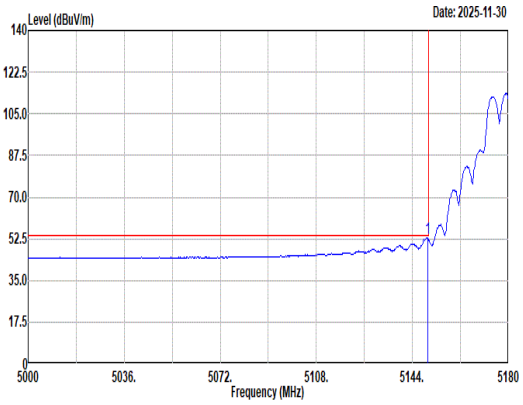
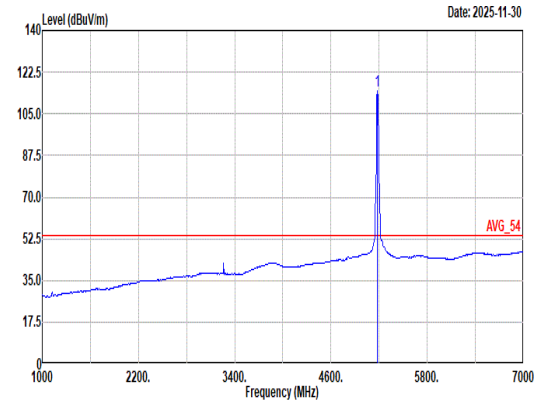
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
23	802.11ax HE20	64	5350.94	44.56	54.00	-9.44	V	Avg.	Pass	26/8	Band Edge
	802.11ax HE20	64	-	-	-	-	-	-	-	26/8	Harmonic
24	802.11ax HE20	64	5350.24	53.30	54.00	-0.70	V	Avg.	Pass	106/54	Band Edge
	802.11ax HE20	64	-	-	-	-	-	-	-	106/54	Harmonic
25	802.11ax HE40	54	5353.98	53.70	54.00	-0.30	V	Avg.	Pass	-	Band Edge
	802.11ax HE40	54	15810.00	46.72	54.00	-7.28	V	Avg.	Pass	-	Harmonic
26	802.11ax HE40	62	5353.95	50.17	54.00	-3.83	V	Avg.	Pass	-	Band Edge
	802.11ax HE40	62	15930.00	46.09	54.00	-7.91	V	Avg.	Pass	-	Harmonic
27	802.11ax HE80	58	5350.52	53.64	54.00	-0.36	V	Avg.	Pass	-	Band Edge
	802.11ax HE80	58	15870.00	46.53	54.00	-7.47	V	Avg.	Pass	-	Harmonic
28	802.11ax HE20	100	5459.20	47.17	54.00	-6.83	V	Avg.	Pass	-	Band Edge

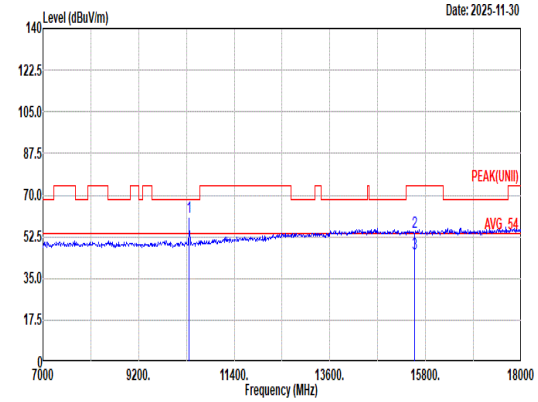
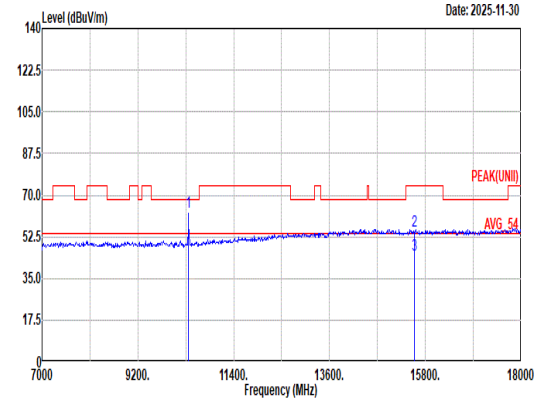
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
28	802.11ax HE20	100	11000.00	50.74	54.00	-3.26	H	Avg.	Pass	-	Harmonic
29	802.11ax HE20	116	5457.41	44.76	54.00	-9.24	V	Avg.	Pass	-	Band Edge
	802.11ax HE20	116	11160.00	53.27	54.00	-0.73	V	Avg.	Pass	-	Harmonic
30	802.11ax HE20	140	5725.29	61.28	68.20	-6.92	H	Peak	Pass	-	Band Edge
	802.11ax HE20	140	11400.00	52.59	54.00	-1.41	V	Avg.	Pass	-	Harmonic
31	802.11ax HE20	144	5465.83	42.69	54.00	-11.31	V	Avg.	Pass	-	Band Edge
	802.11ax HE20	144	11440.00	50.02	54.00	-3.98	V	Avg.	Pass	-	Harmonic
32	802.11ax HE20	100	5457.40	42.88	54.00	-11.12	V	Avg.	Pass	26/0	Band Edge
	802.11ax HE20	100	-	-	-	-	-	-	-	26/0	Harmonic
33	802.11ax HE20	100	5459.65	45.62	54.00	-8.38	V	Avg.	Pass	106/53	Band Edge
	802.11ax HE20	100	-	-	-	-	-	-	-	106/53	Harmonic

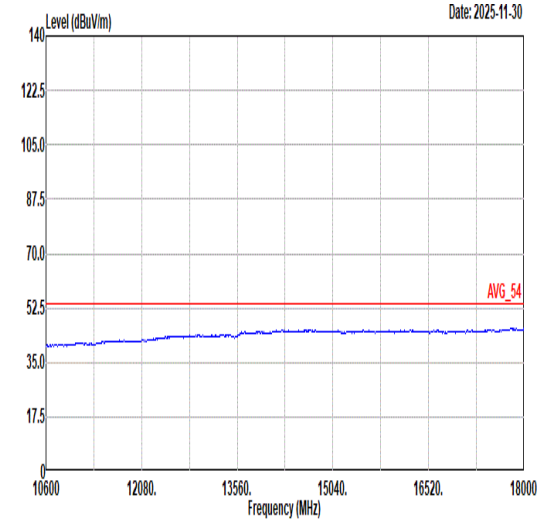
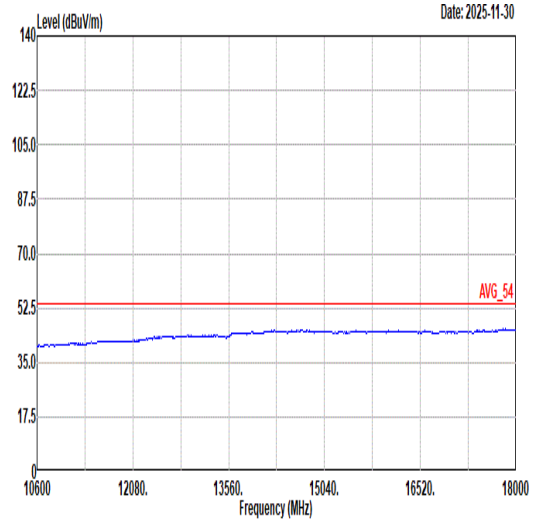
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
34	802.11ax HE20	140	5727.30	54.71	68.20	-13.49	H	Peak	Pass	26/8	Band Edge
	802.11ax HE20	140	-	-	-	-	-	-	-	26/8	Harmonic
35	802.11ax HE20	140	5731.79	58.28	68.20	-9.92	H	Peak	Pass	106/54	Band Edge
	802.11ax HE20	140	-	-	-	-	-	-	-	106/54	Harmonic
36	802.11ax HE40	102	5445.68	50.27	54.00	-3.73	V	Avg.	Pass	-	Band Edge
	802.11ax HE40	102	11020.00	50.60	54.00	-3.40	H	Avg.	Pass	-	Harmonic
37	802.11ax HE40	110	5458.60	50.45	54.00	-3.55	V	Avg.	Pass	-	Band Edge
	802.11ax HE40	110	11100.00	52.07	54.00	-1.93	V	Avg.	Pass	-	Harmonic
38	802.11ax HE40	134	5725.48	62.87	68.20	-5.33	V	Peak	Pass	-	Band Edge
	802.11ax HE40	134	11340.00	52.61	54.00	-1.39	V	Avg.	Pass	-	Harmonic
39	802.11ax HE40	142	5467.39	43.82	54.00	-10.18	V	Avg.	Pass	-	Band Edge

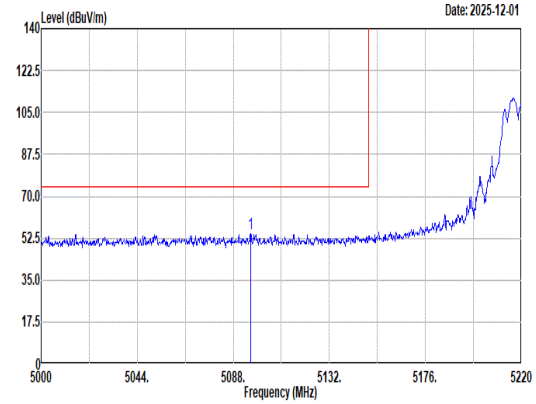
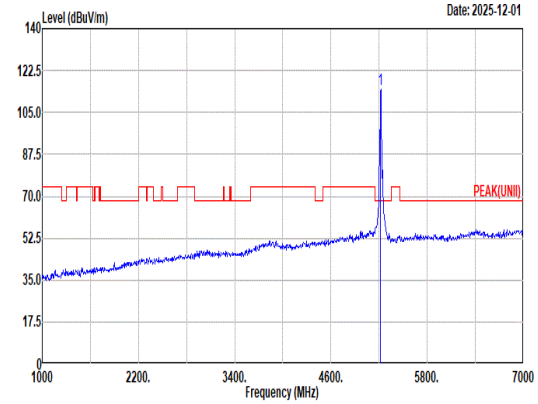
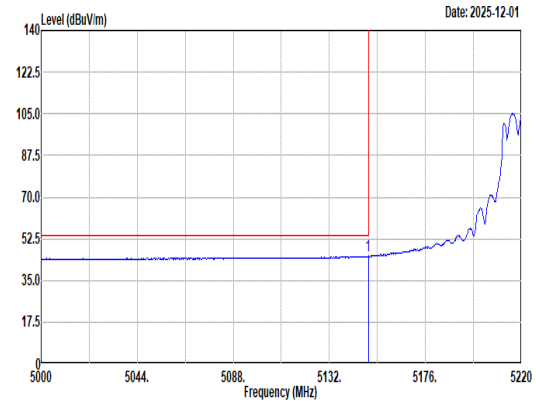
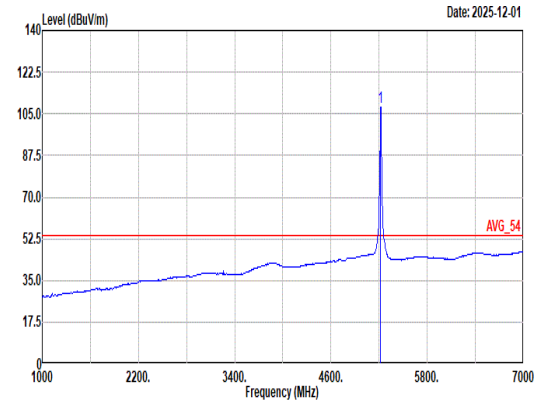
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
39	802.11ax HE40	142	11420.00	47.61	54.00	-6.39	V	Avg.	Pass	-	Harmonic
40	802.11ax HE80	106	5457.28	53.80	54.00	-0.20	V	Avg.	Pass	-	Band Edge
	802.11ax HE80	106	11060.00	42.95	54.00	-11.05	V	Avg.	Pass	-	Harmonic
41	802.11ax HE80	122	5726.41	63.41	68.20	-4.79	V	Peak	Pass	-	Band Edge
	802.11ax HE80	122	11220.00	48.96	54.00	-5.04	H	Avg.	Pass	-	Harmonic
42	802.11ax HE80	138	5871.40	61.55	68.20	-6.65	V	Peak	Pass	-	Band Edge
	802.11ax HE80	138	11380.00	50.07	54.00	-3.93	V	Avg.	Pass	-	Harmonic
43	802.11ax HE160	114	5456.04	52.58	54.00	-1.42	V	Avg.	Pass	-	Band Edge
	802.11ax HE160	114	11140.00	41.84	54.00	-12.16	V	Avg.	Pass	-	Harmonic
44	LF	106	745.86	39.33	46.00	-6.67	H	Peak	Pass	-	LF
45	SHF	106	39588.02	47.21	74.00	-26.79	H	Peak	Pass	-	SHF

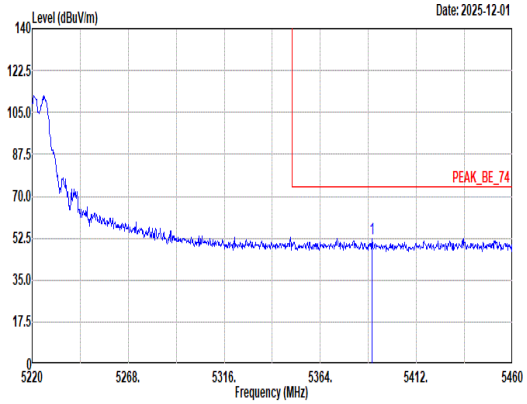
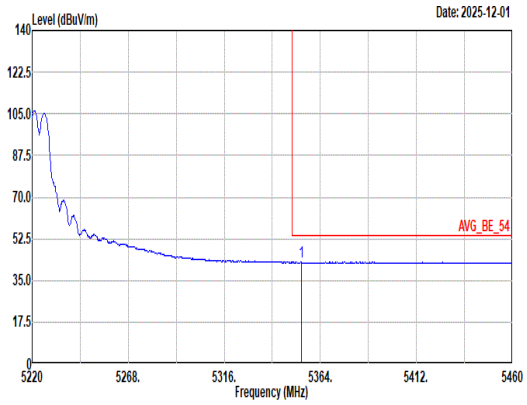
Mode	1	
	Band Edge	
	U-NII-1_5.15-5.25_802.11a_CH36_5180MHz	
ANT	1 + 2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5149.40 59.63 74.00 -14.37 45.18 32.90 10.78 32.65 3.42 384 116 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 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 5180.00 115.40 ------ ------ 101.08 32.84 10.80 32.74 3.42 384 116 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5149.76 49.24 54.00 -4.76 34.79 32.90 10.78 32.65 3.42 384 116 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5180.00 108.29 ------ ------ 93.97 32.84 10.80 32.74 3.42 384 116 Average

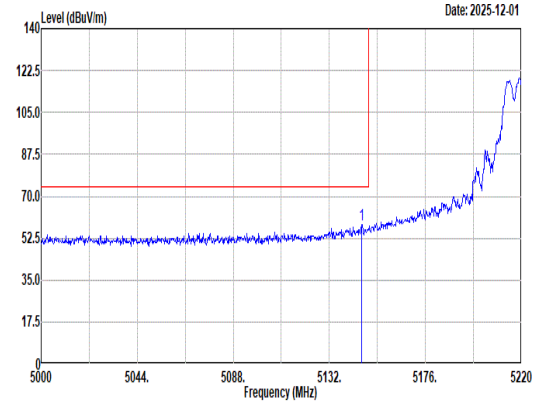
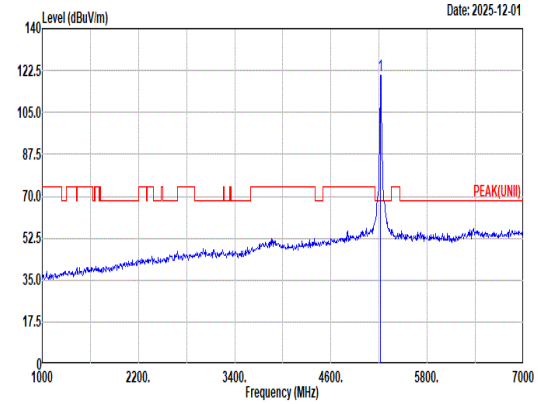
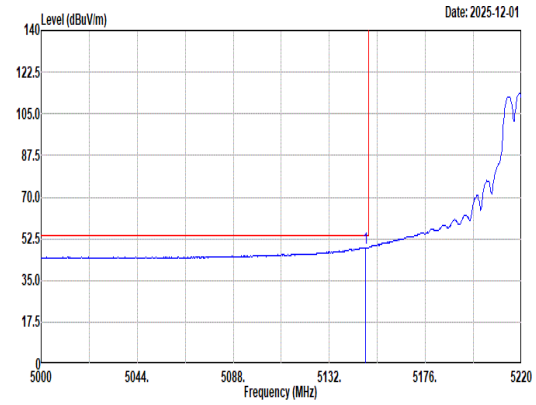
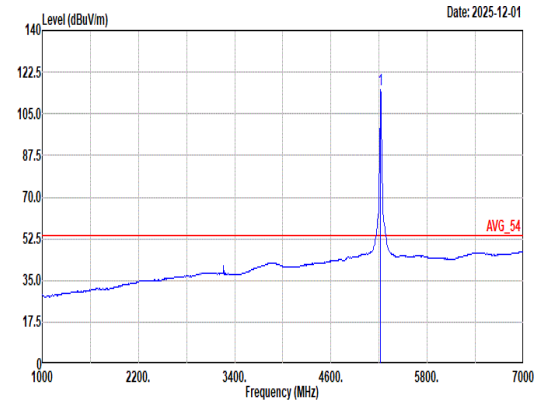
Mode	1	
	Band Edge	
	U-NII-1_5.15-5.25_802.11a_CH36_5180MHz	
ANT	1 + 2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5149.22 67.74 74.00 -6.26 53.29 32.90 10.78 32.65 3.42 300 145 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 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 5180.00 120.86 ------ ------ 106.51 32.85 10.80 32.72 3.42 300 145 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 5149.76 52.76 54.00 -1.24 38.31 32.90 10.78 32.65 3.42 300 145 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 5180.00 114.84 ------ ------ 100.52 32.84 10.80 32.74 3.42 300 145 Average

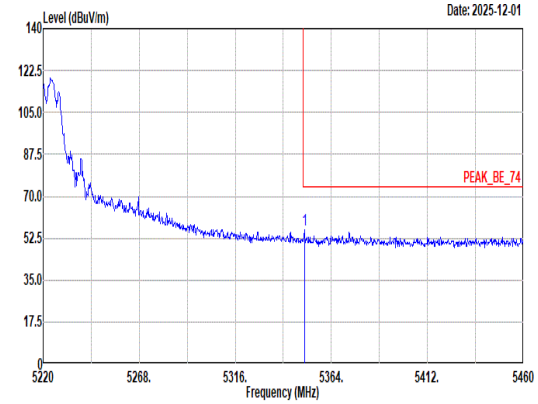
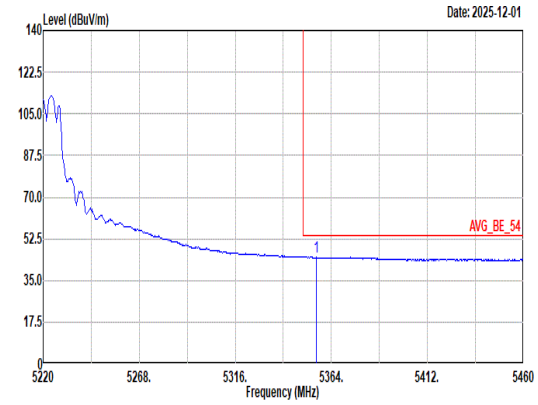
Mode	1	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH36_5180MHz	
ANT	1 + 2	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 10360.00 60.99 68.20 -7.21 45.00 37.66 15.20 39.00 2.13 313 150 Peak 2 15540.00 54.64 74.00 -19.36 37.16 41.00 18.71 44.69 2.46 -- -- Peak 3 15540.00 45.22 54.00 -8.78 27.74 41.00 18.71 44.69 2.46 -- -- Average	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 10360.00 62.86 68.20 -5.34 46.87 37.66 15.20 39.00 2.13 213 165 Peak 2 15540.00 54.89 74.00 -19.11 37.41 41.00 18.71 44.69 2.46 -- -- Peak 3 15540.00 45.13 54.00 -8.87 27.65 41.00 18.71 44.69 2.46 -- -- Average

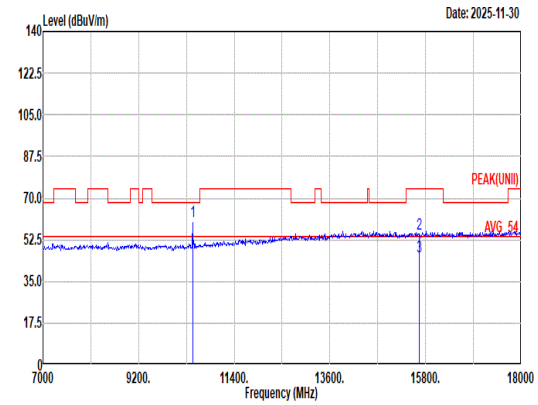
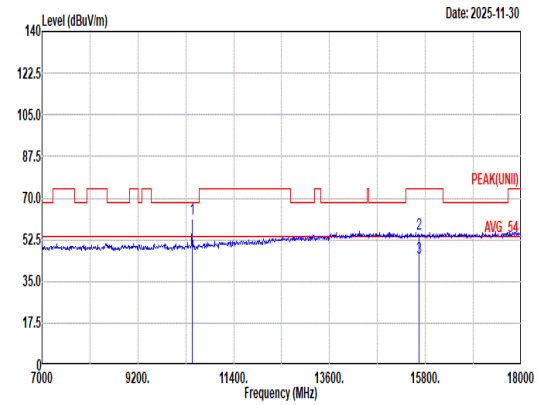
Mode	1	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH36_5180MHz	
ANT	1 + 2	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL

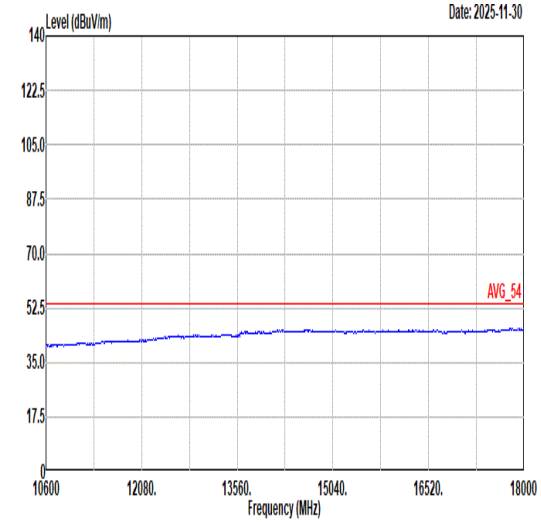
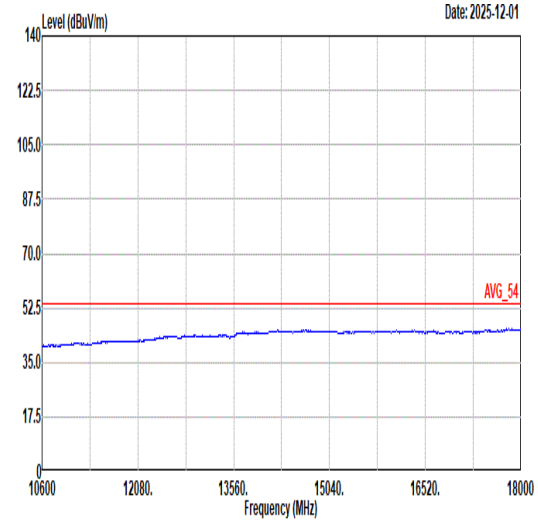
Mode	2	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	1 + 2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5095.92 54.17 74.00 -19.83 39.62 32.90 10.73 32.49 3.41 351 113 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 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 5220.00 114.68 ------ ------ 100.52 32.75 10.84 32.86 3.43 351 113 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5149.82 45.20 54.00 -8.80 30.75 32.90 10.78 32.65 3.42 351 113 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5220.00 107.84 ------ ------ 93.68 32.75 10.84 32.86 3.43 351 113 Average

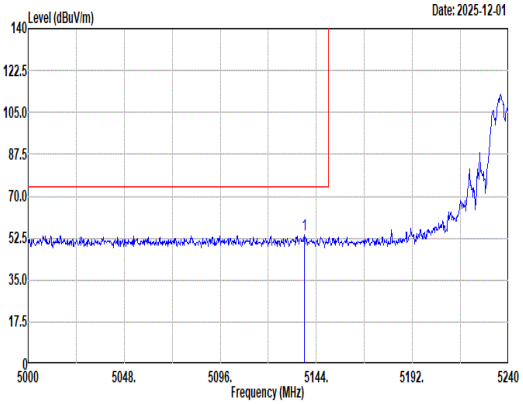
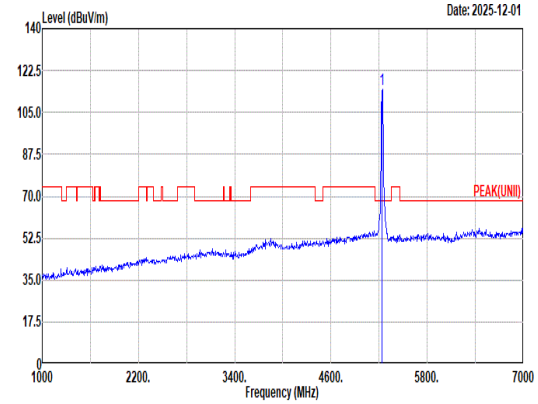
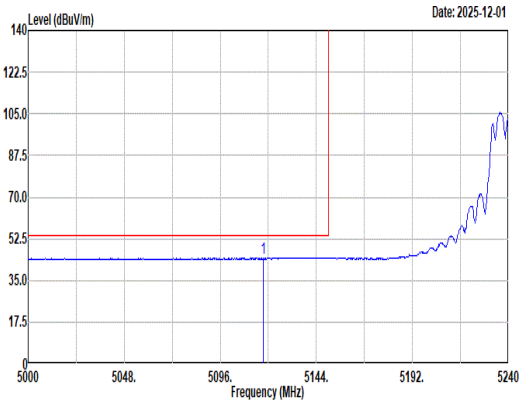
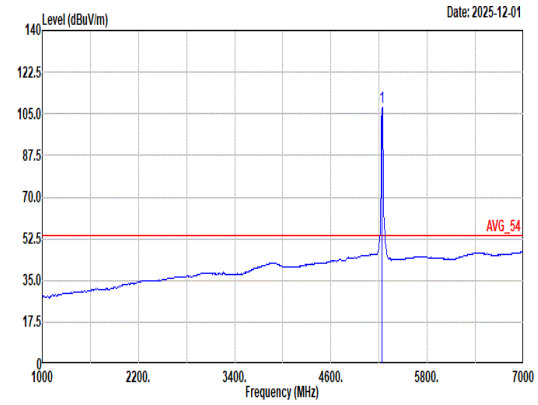
Mode	2	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	1 + 2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5389.68 52.52 74.00 -21.48 38.82 32.58 10.95 33.33 3.50 351 113 Peak	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5354.40 42.87 54.00 -11.13 29.18 32.51 10.93 33.23 3.48 351 113 Average	Blank

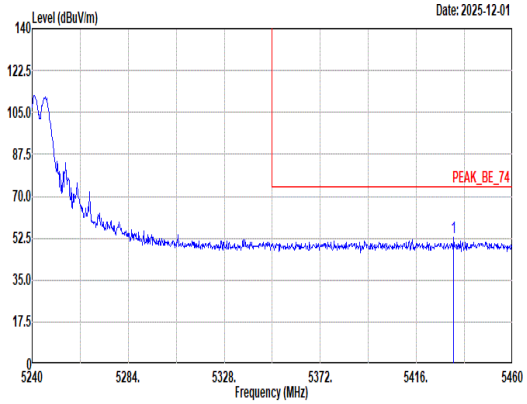
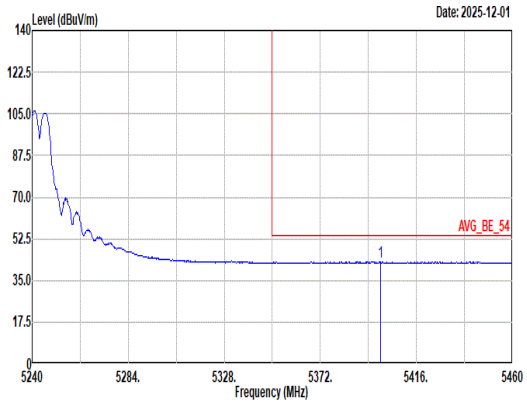
Mode	2	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	1 + 2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5146.96 58.14 74.00 -15.86 43.69 32.90 10.77 32.64 3.42 285 145 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5220.00 120.70 ------ ------ 106.54 32.75 10.84 32.86 3.43 285 145 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto 1 5148.50 48.74 54.00 -5.26 34.28 32.90 10.78 32.64 3.42 285 145 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto 1 5220.00 114.95 ------ ------ 100.77 32.76 10.83 32.84 3.43 285 145 Average

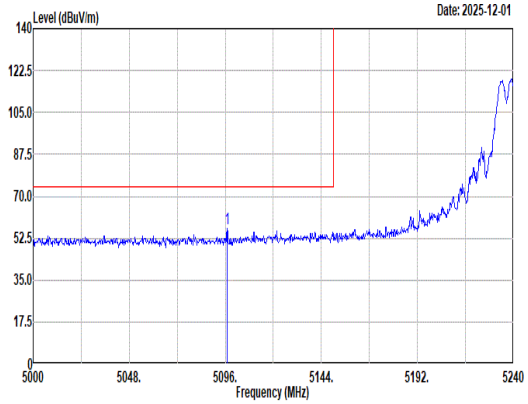
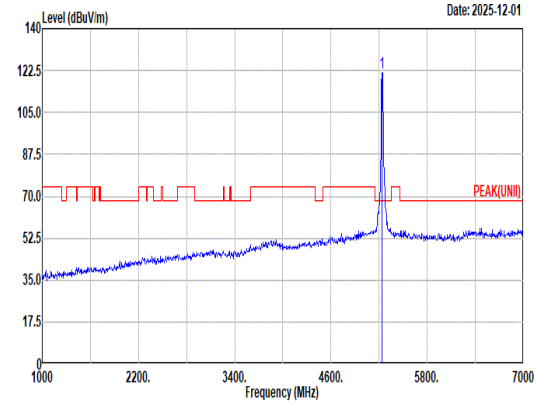
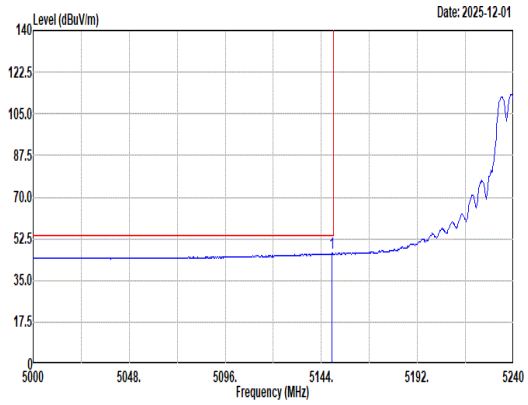
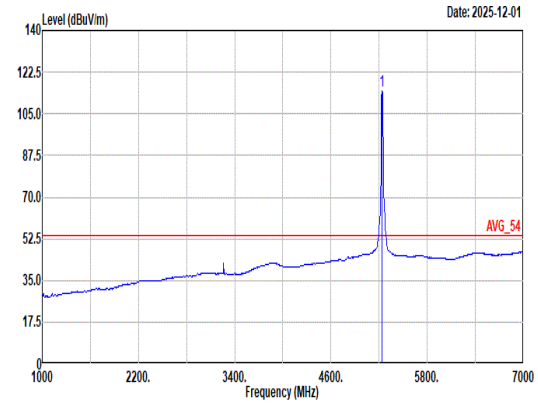
Mode	2	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	1 + 2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.56 56.18 74.00 -17.82 42.49 32.50 10.93 33.22 3.48 285 145 Peak	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 5356.32 44.94 54.00 -9.06 31.26 32.51 10.93 33.24 3.48 285 145 Average	Blank

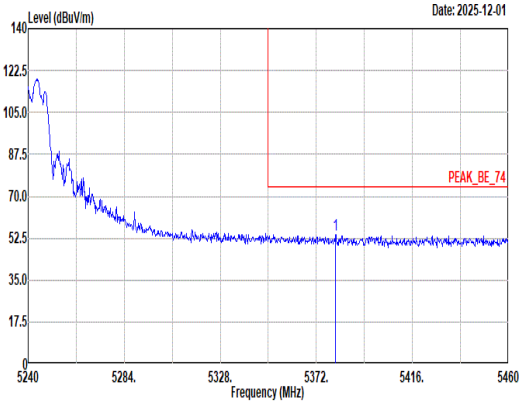
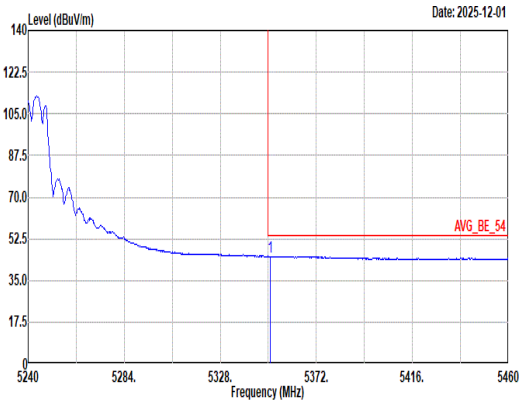
Mode	2	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	1 + 2	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL 1 10440.00 60.31 68.20 -7.89 44.56 37.42 15.26 39.07 2.14 330 151 Peak 2 15660.00 55.14 74.00 -18.86 37.81 40.88 18.81 44.83 2.47 -- -- Peak 3 15660.00 45.18 54.00 -8.82 27.85 40.88 18.81 44.83 2.47 -- -- Average	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL 1 10440.00 61.11 68.20 -7.09 45.36 37.42 15.26 39.07 2.14 225 167 Peak 2 15660.00 54.97 74.00 -19.03 37.64 40.88 18.81 44.83 2.47 -- -- Peak 3 15660.00 45.10 54.00 -8.90 27.77 40.88 18.81 44.83 2.47 -- -- Average

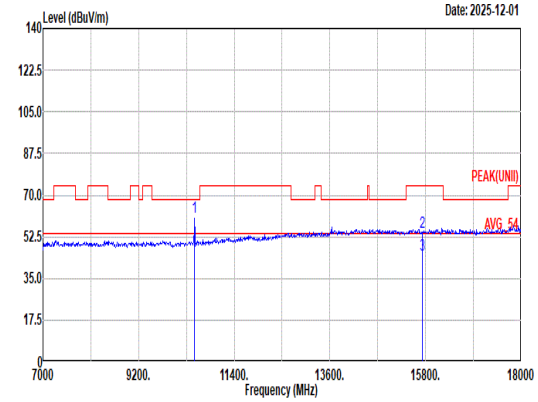
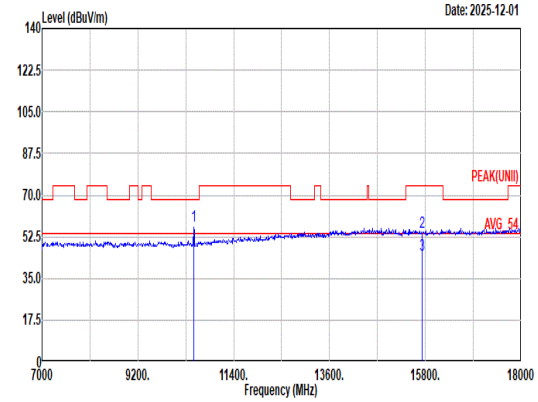
Mode	2	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	1 + 2	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL

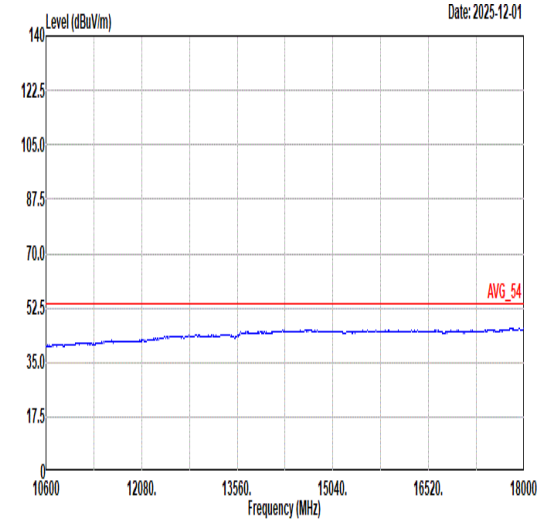
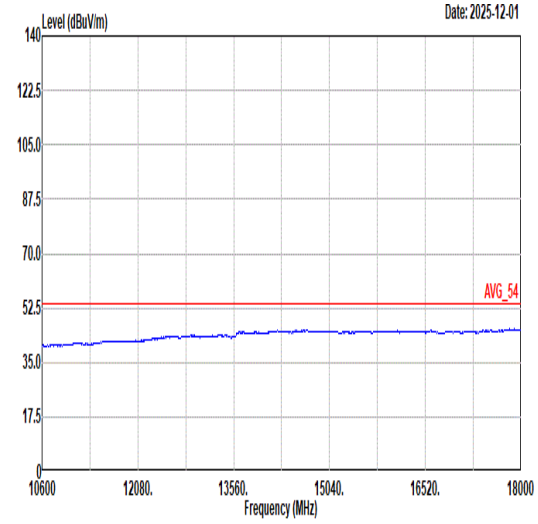
Mode	3	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	1 + 2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5138.00 53.87 74.00 -20.13 39.39 32.90 10.77 32.61 3.42 367 114 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5240.00 114.58 ------ ------ 100.48 32.72 10.85 32.91 3.44 367 114 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto 1 5117.36 44.60 54.00 -9.40 30.09 32.90 10.75 32.56 3.42 367 114 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto 1 5240.00 107.54 ------ ------ 93.44 32.72 10.85 32.91 3.44 367 114 Average

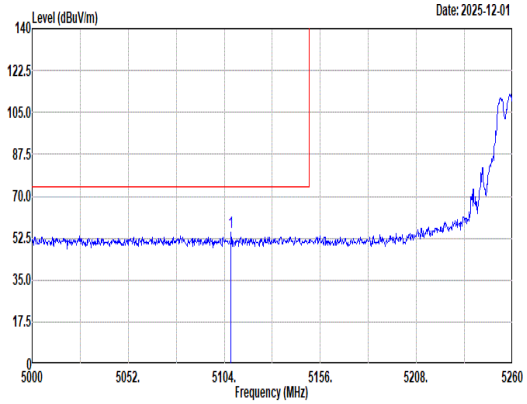
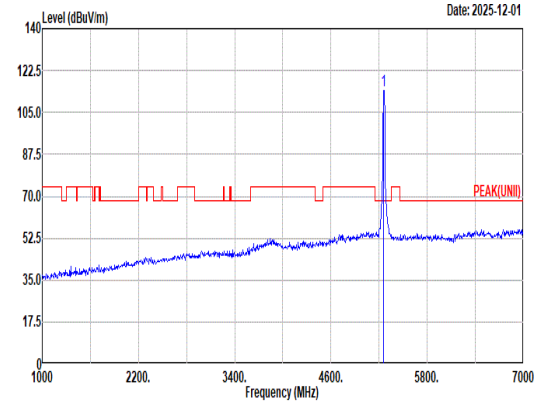
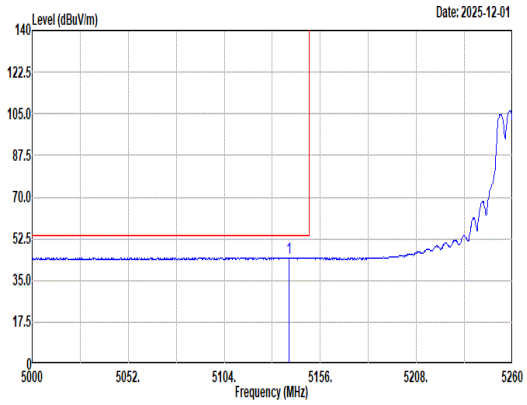
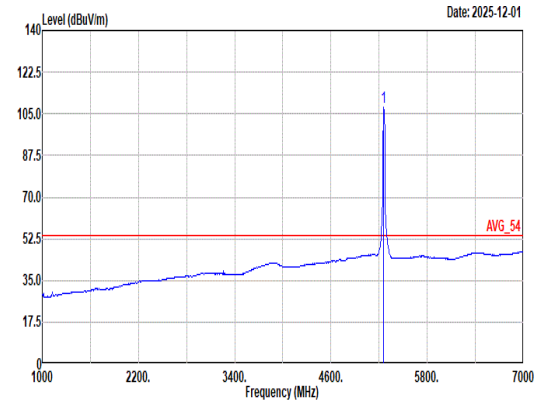
Mode	3	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	1 + 2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5433.16 52.76 74.00 -21.24 39.04 32.67 11.00 33.46 3.51 367 114 Peak	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5399.50 42.80 54.00 -11.20 29.10 32.60 10.96 33.36 3.50 367 114 Average	Blank

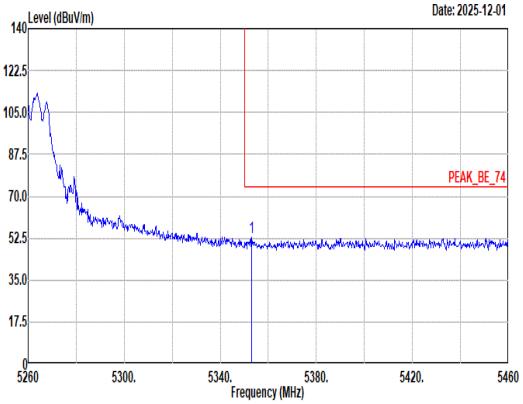
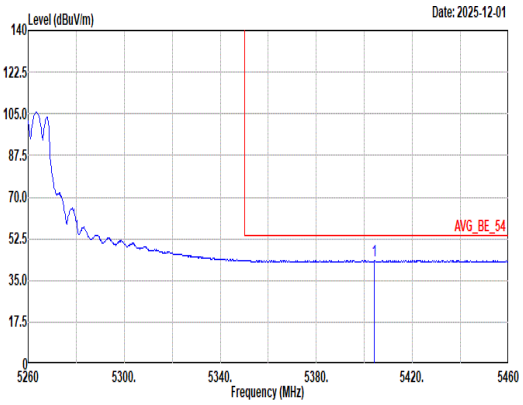
Mode	3	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	1 + 2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5096.96 56.27 74.00 -17.73 41.73 32.90 10.73 32.50 3.41 300 146 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5240.00 121.27 ------ ------ 107.17 32.72 10.85 32.91 3.44 300 146 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto 1 5149.28 46.23 54.00 -7.77 31.78 32.90 10.78 32.65 3.42 300 146 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto 1 5240.00 114.42 ------ ------ 100.30 32.73 10.85 32.89 3.43 300 146 Average

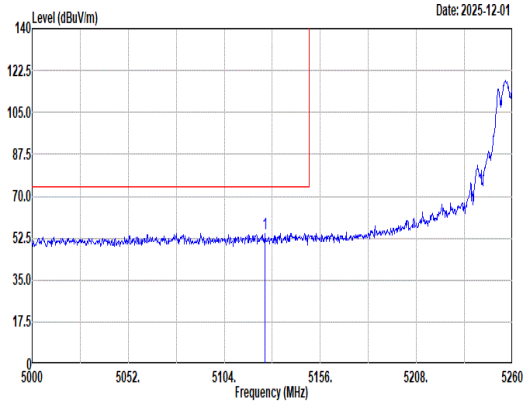
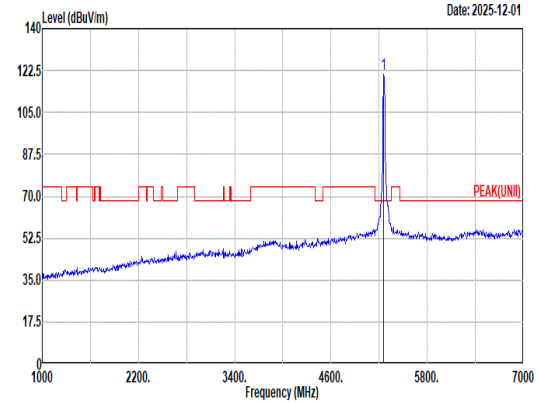
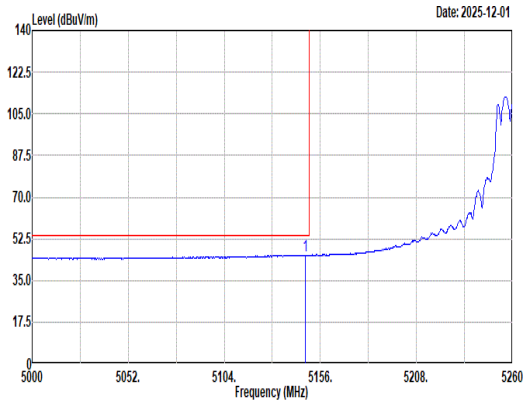
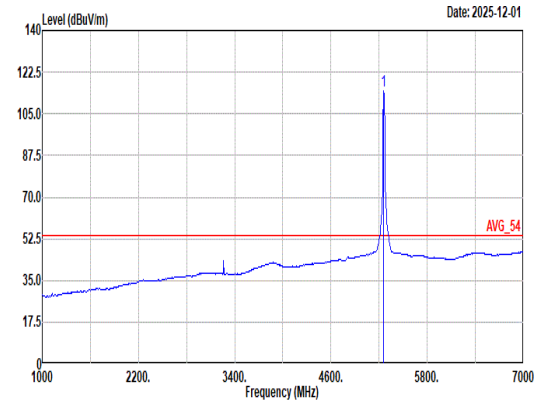
Mode	3	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	1 + 2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5380.80 53.88 74.00 -20.12 40.19 32.56 10.95 33.31 3.49 300 146 Peak	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 5350.88 45.15 54.00 -8.85 31.46 32.50 10.93 33.22 3.48 300 146 Average	Blank

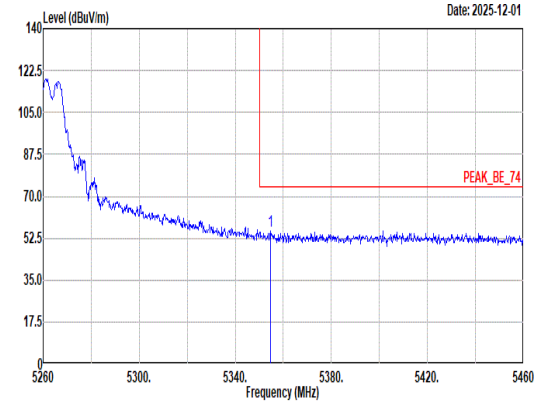
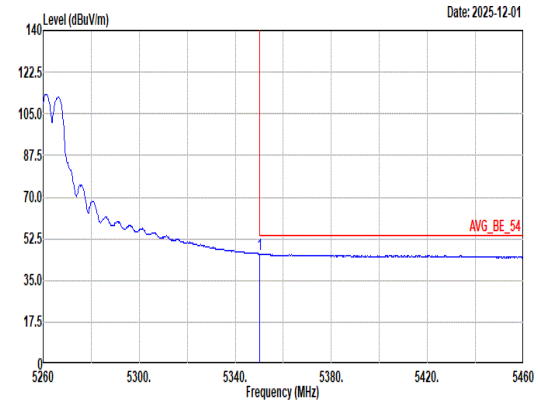
Mode	3	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	1 + 2	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL 1 10480.00 60.53 68.20 -7.67 44.73 37.46 15.29 39.10 2.15 293 151 Peak 2 15720.00 54.47 74.00 -19.53 37.19 40.84 18.86 44.90 2.48 -- -- Peak 3 15720.00 45.09 54.00 -8.91 27.81 40.84 18.86 44.90 2.48 -- -- Average	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL 1 10480.00 56.84 68.20 -11.36 41.04 37.46 15.29 39.10 2.15 205 158 Peak 2 15720.00 54.60 74.00 -19.40 37.32 40.84 18.86 44.90 2.48 -- -- Peak 3 15720.00 45.16 54.00 -8.84 27.88 40.84 18.86 44.90 2.48 -- -- Average

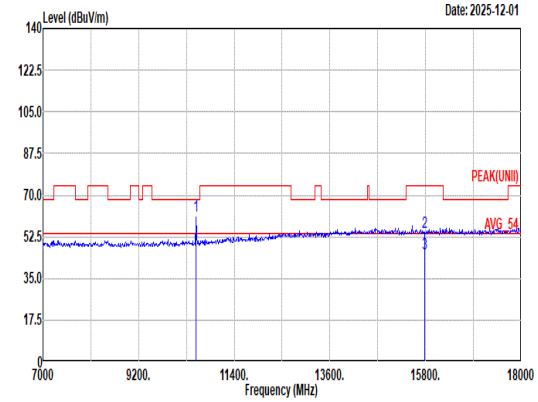
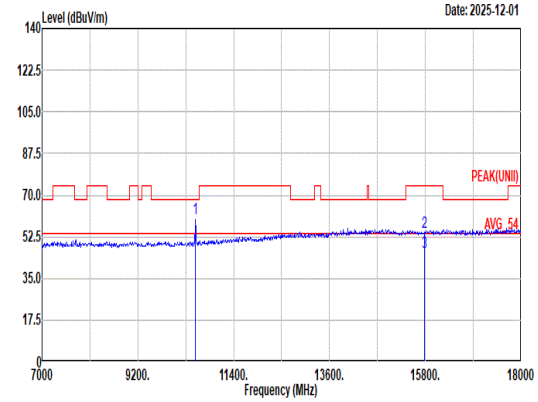
Mode	3	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	1 + 2	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL

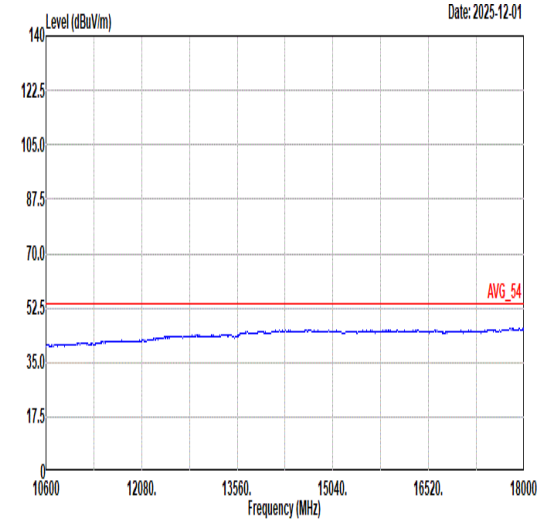
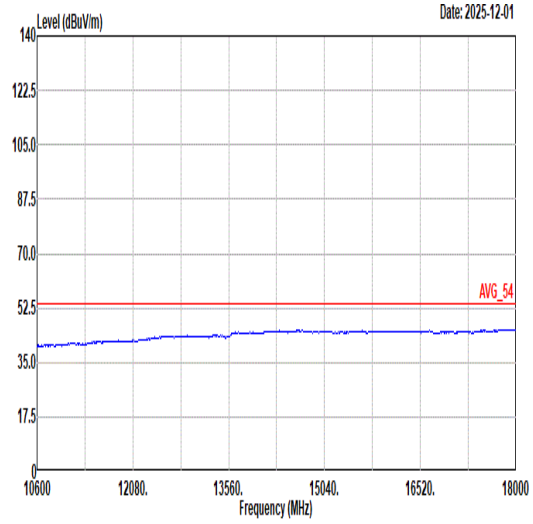
Mode	4	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11a_CH52_5260MHz	
ANT	1 + 2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5107.64 54.70 74.00 -19.30 40.17 32.90 10.74 32.53 3.42 346 112 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 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 5260.00 114.31 ------ ------ 100.30 32.67 10.87 32.98 3.45 346 112 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5138.84 44.60 54.00 -9.40 30.13 32.90 10.77 32.62 3.42 346 112 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5260.00 107.72 ------ ------ 93.70 32.68 10.86 32.96 3.44 346 112 Average

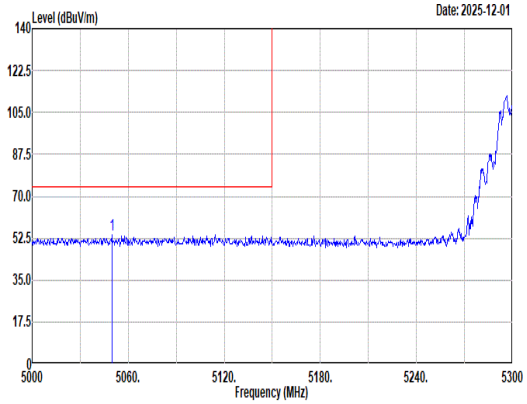
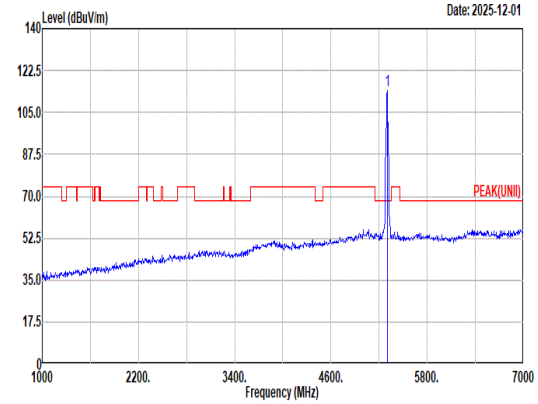
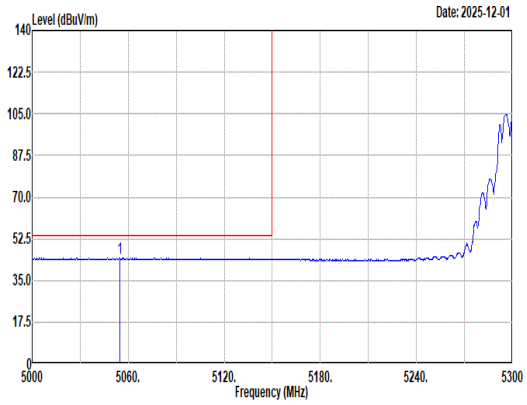
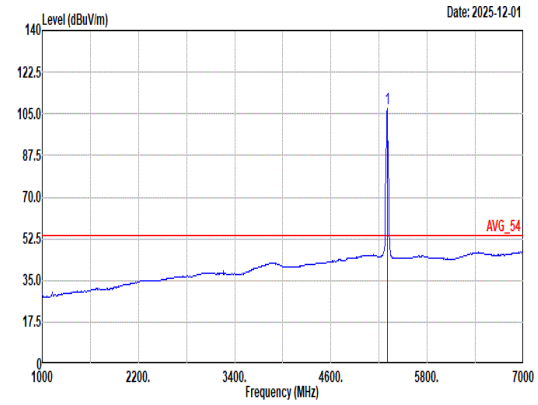
Mode	4	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11a_CH52_5260MHz	
ANT	1 + 2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5353.20 52.87 74.00 -21.13 39.18 32.51 10.93 33.23 3.48 346 112 Peak	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5404.20 43.36 54.00 -10.64 29.66 32.61 10.97 33.38 3.50 346 112 Average	Blank

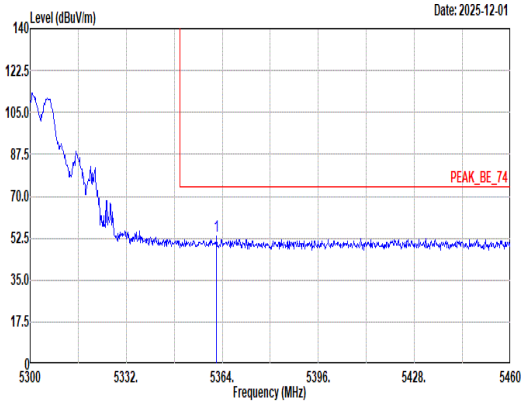
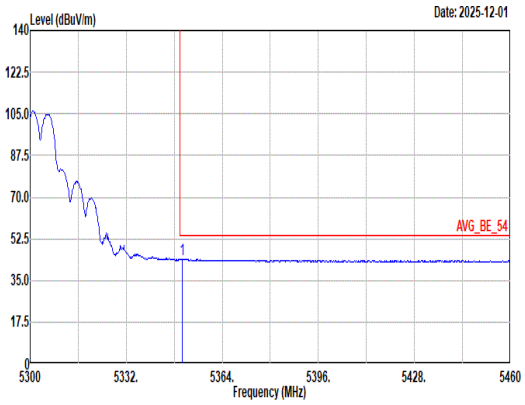
Mode	4	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11a_CH52_5260MHz	
ANT	1 + 2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5126.10 54.57 74.00 -19.43 40.07 32.90 10.76 32.58 3.42 308 148 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 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 5260.00 120.79 ------ ------ 106.77 32.68 10.86 32.96 3.44 308 148 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 5147.94 45.66 54.00 -8.34 31.20 32.90 10.78 32.64 3.42 308 148 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 5260.00 114.45 ------ ------ 100.43 32.68 10.86 32.96 3.44 308 148 Average

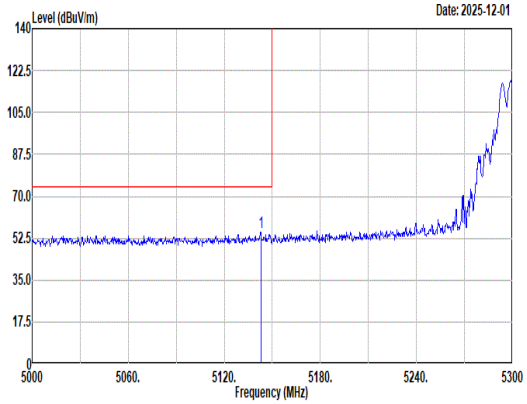
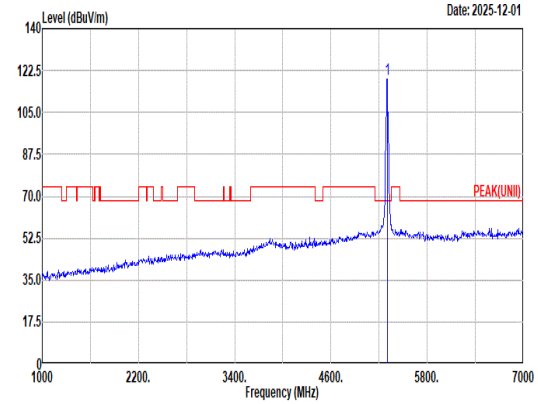
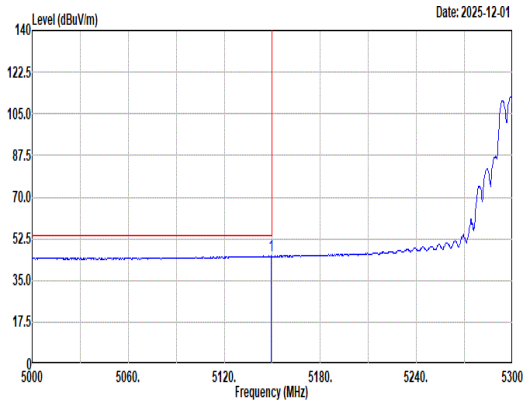
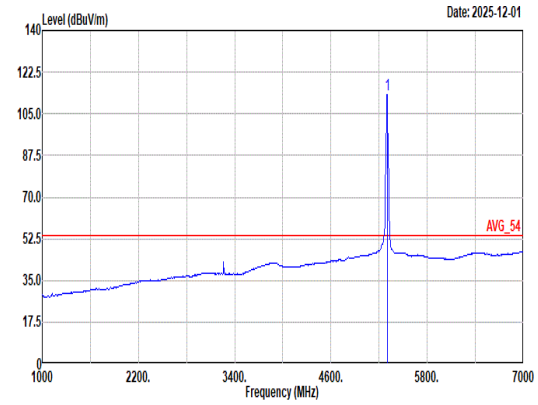
Mode	4	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11a_CH52_5260MHz	
ANT	1 + 2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5354.60 55.56 74.00 -18.44 41.87 32.51 10.93 33.23 3.48 308 148 Peak	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 5350.20 46.22 54.00 -7.78 32.53 32.50 10.93 33.22 3.48 308 148 Average	Blank

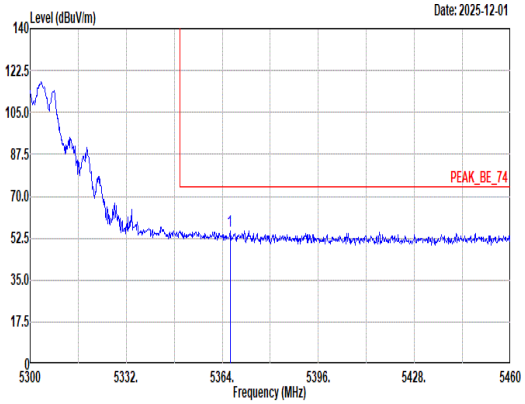
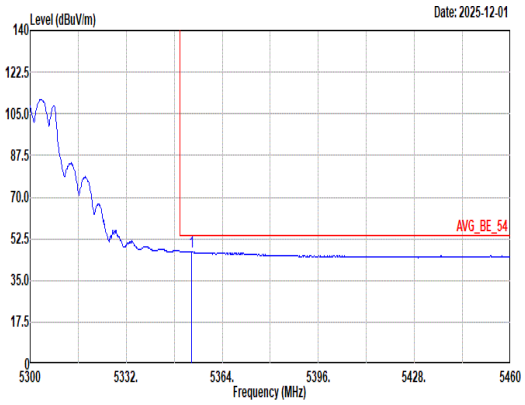
Mode	4	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11a_CH52_5260MHz	
ANT	1 + 2	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 10520.00 61.07 68.20 -7.13 45.17 37.58 15.31 39.14 2.15 304 151 Peak 2 15780.00 54.39 74.00 -19.61 36.96 41.02 18.90 44.98 2.49 -- -- Peak 3 15780.00 45.55 54.00 -8.45 28.12 41.02 18.90 44.98 2.49 -- -- Average	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 10520.00 60.26 68.20 -7.94 44.36 37.58 15.31 39.14 2.15 386 194 Peak 2 15780.00 54.49 74.00 -19.51 37.06 41.02 18.90 44.98 2.49 -- -- Peak 3 15780.00 45.74 54.00 -8.26 28.31 41.02 18.90 44.98 2.49 -- -- Average

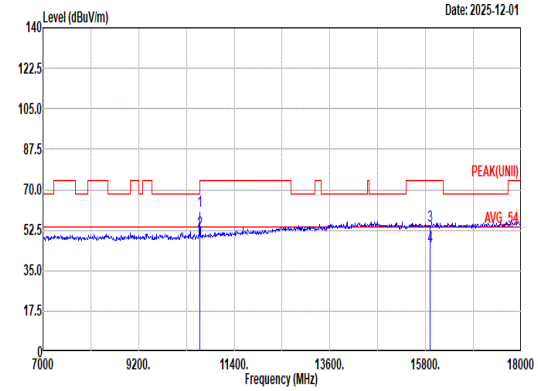
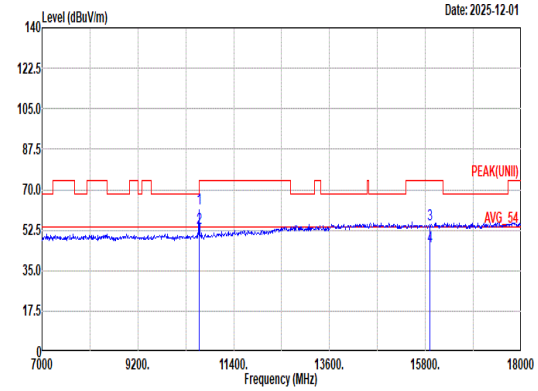
Mode	4	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11a_CH52_5260MHz	
ANT	1 + 2	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL

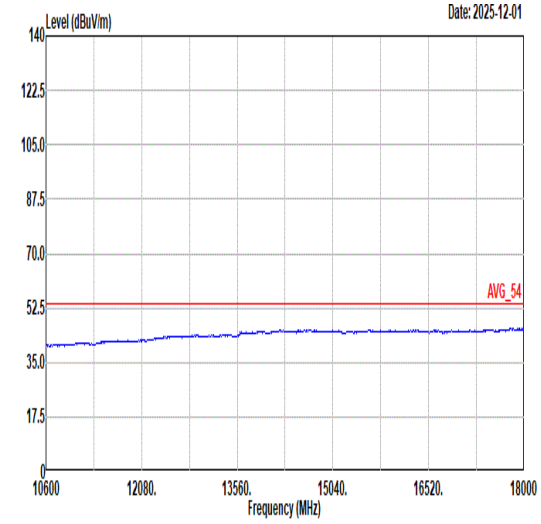
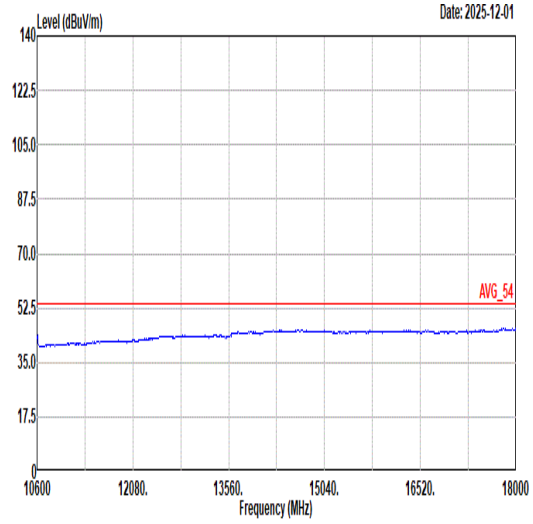
Mode	5	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11a_CH60_5300MHz	
ANT	1 + 2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5049.80 53.66 74.00 -20.34 39.02 32.90 10.69 32.36 3.41 358 110 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 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 5300.00 114.28 ------ ------ 100.41 32.60 10.89 33.08 3.46 358 110 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5054.60 44.32 54.00 -9.68 29.69 32.90 10.70 32.38 3.41 358 110 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5300.00 107.17 ------ ------ 93.30 32.60 10.89 33.08 3.46 358 110 Average

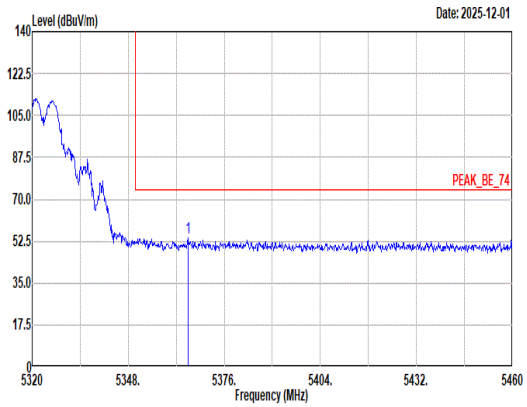
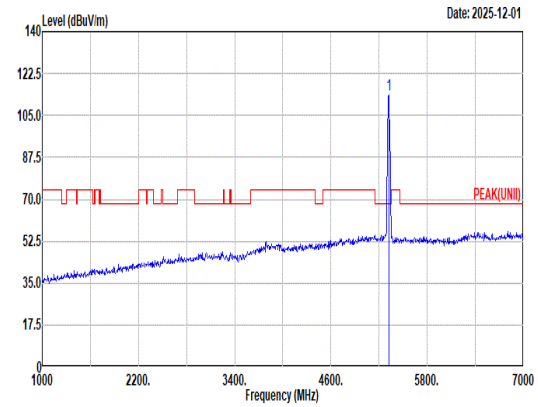
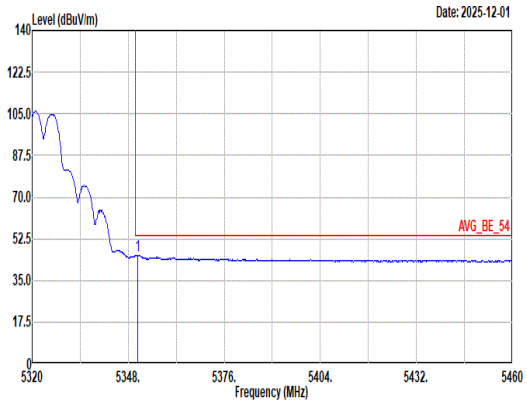
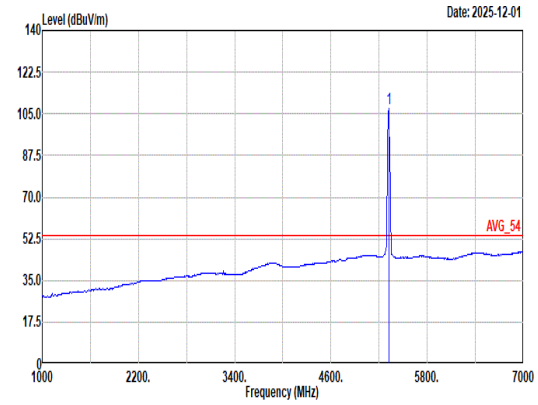
Mode	5	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11a_CH60_5300MHz	
ANT	1 + 2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5362.08 53.38 74.00 -20.62 39.71 32.52 10.93 33.26 3.48 358 110 Peak	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5350.56 43.96 54.00 -10.04 30.27 32.50 10.93 33.22 3.48 358 110 Average	Blank

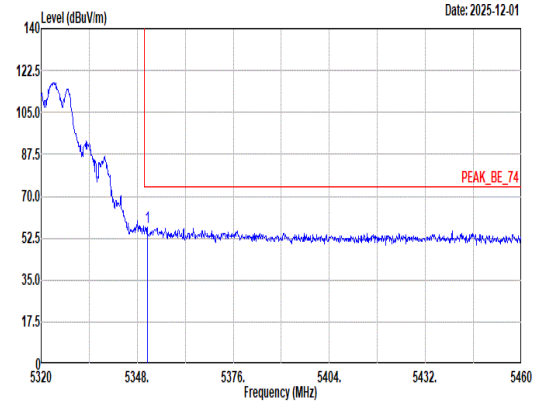
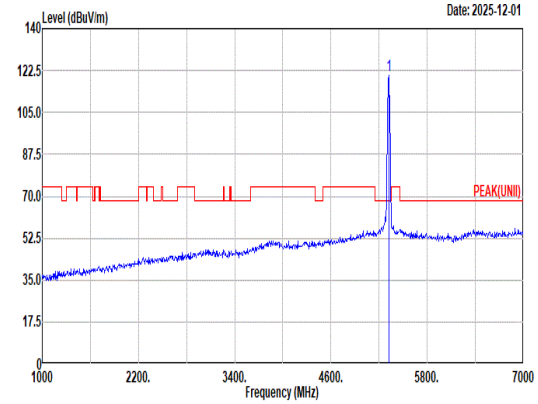
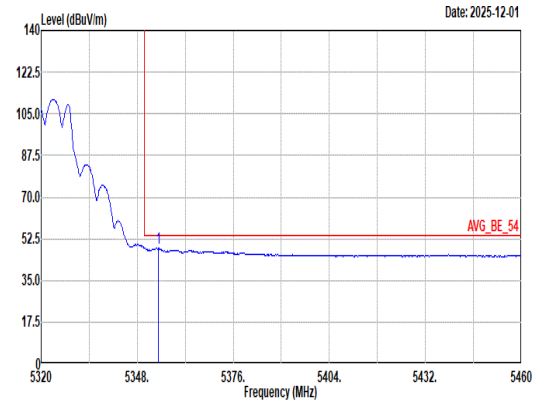
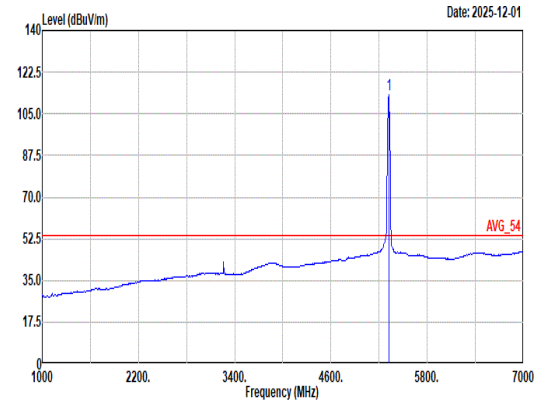
Mode	5	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11a_CH60_5300MHz	
ANT	1 + 2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark 1 5142.80 55.00 74.00 -19.00 40.54 32.90 10.77 32.63 3.42 300 147 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 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 1 5300.00 119.07 ------ ------ 105.20 32.60 10.89 33.08 3.46 300 147 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark 1 5149.40 45.41 54.00 -8.59 30.96 32.90 10.78 32.65 3.42 300 147 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark 1 5300.00 113.02 ------ ------ 99.13 32.61 10.89 33.07 3.46 300 147 Average

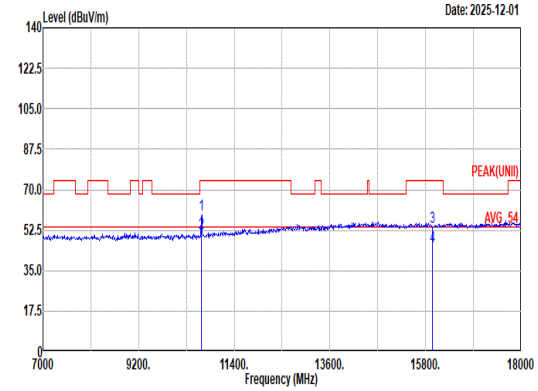
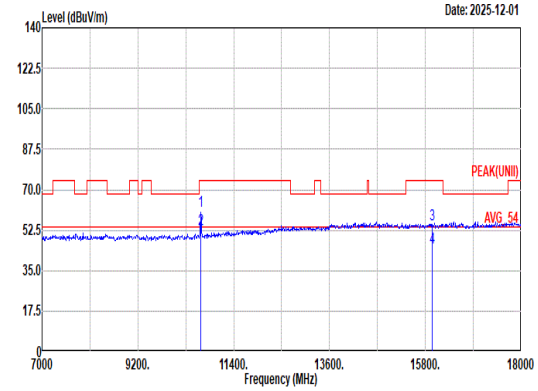
Mode	5	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11a_CH60_5300MHz	
ANT	1 + 2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5366.56 55.37 74.00 -18.63 41.68 32.53 10.94 33.27 3.49 300 147 Peak	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 5353.76 47.12 54.00 -6.88 33.43 32.51 10.93 33.23 3.48 300 147 Average	Blank

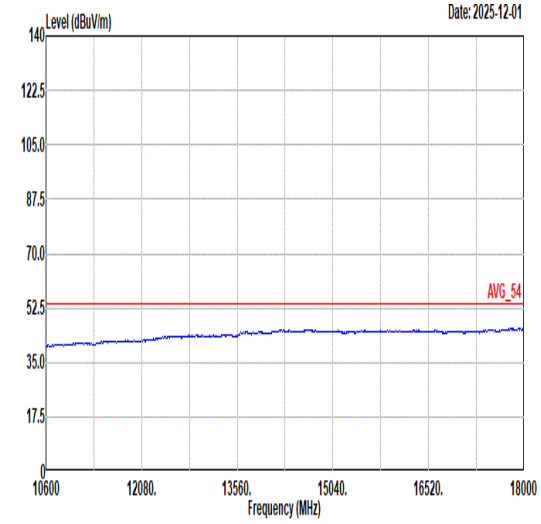
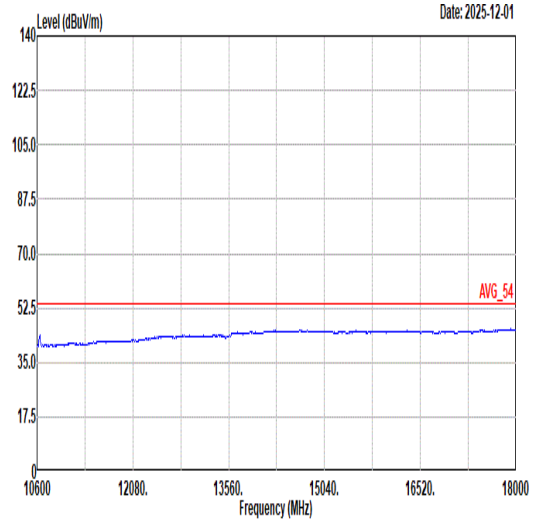
Mode	5	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11a_CH60_5300MHz	
ANT	1 + 2	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL 1 10600.00 60.94 74.00 -13.06 44.84 37.80 15.37 39.23 2.16 294 148 Peak 2 10600.00 51.91 54.00 -2.09 35.81 37.80 15.37 39.23 2.16 294 148 Average 3 15900.00 54.57 74.00 -19.43 36.99 41.20 19.00 45.12 2.50 -- -- Peak 4 15900.00 45.33 54.00 -8.67 27.75 41.20 19.00 45.12 2.50 -- -- Average	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL 1 10600.00 61.82 74.00 -12.18 45.72 37.80 15.37 39.23 2.16 377 194 Peak 2 10600.00 53.34 54.00 -0.66 37.24 37.80 15.37 39.23 2.16 377 194 Average 3 15900.00 54.70 74.00 -19.30 37.12 41.20 19.00 45.12 2.50 -- -- Peak 4 15900.00 45.25 54.00 -8.75 27.67 41.20 19.00 45.12 2.50 -- -- Average

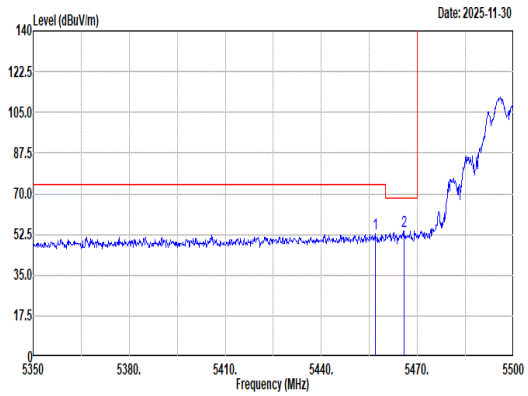
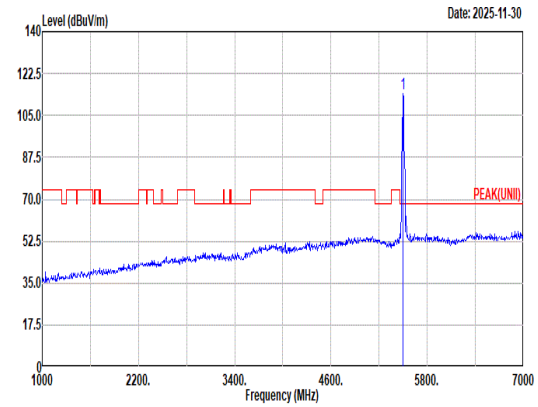
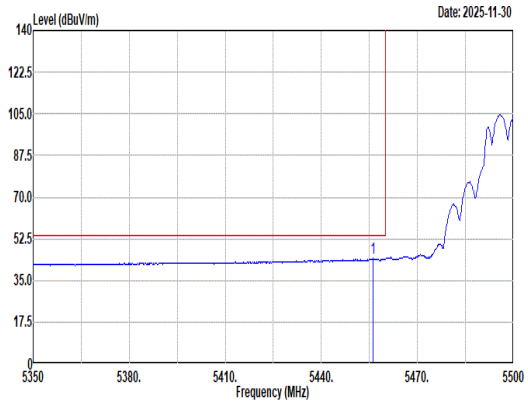
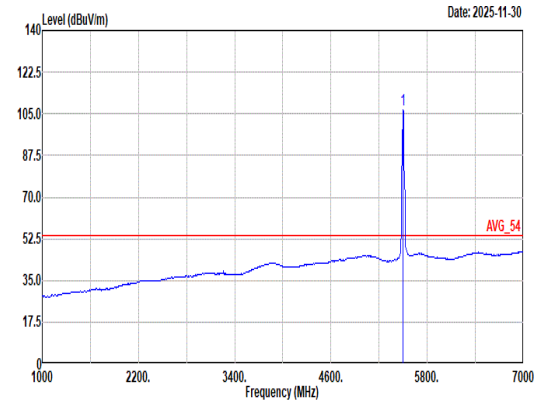
Mode	5	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11a_CH60_5300MHz	
ANT	1 + 2	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL

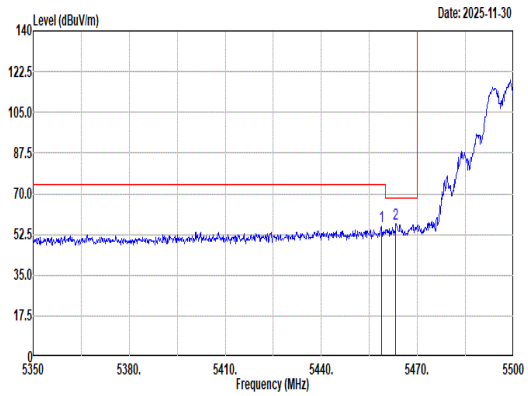
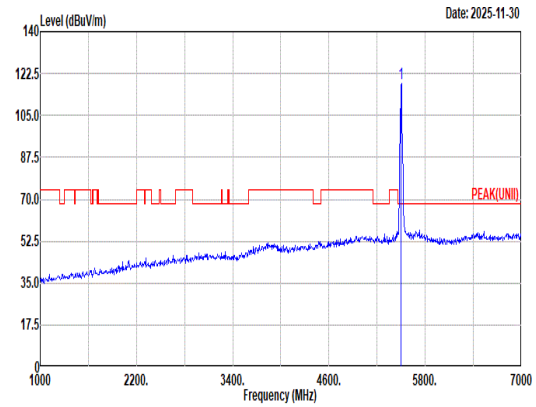
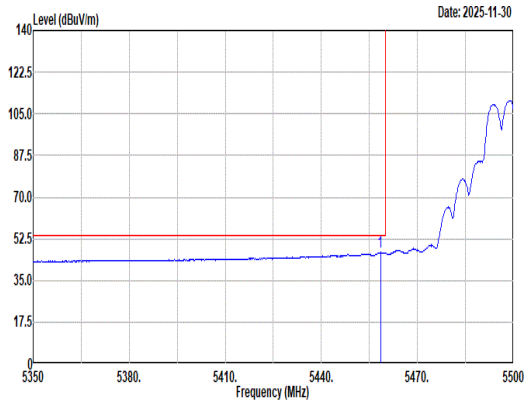
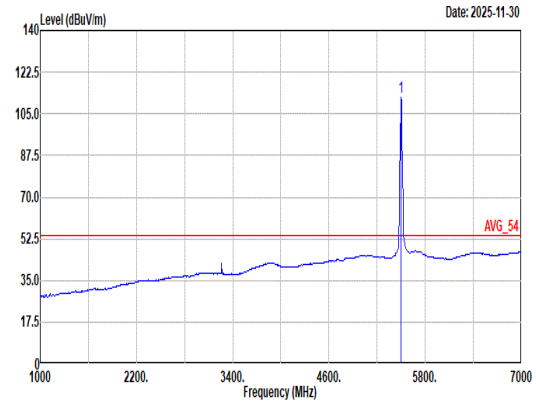
Mode	6	
	Band Edge	
	U-NII-2A_5.25-5.35_802.11a_CH64_5320MHz	
ANT	1 + 2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5365.36 53.70 74.00 -20.30 40.00 32.53 10.94 33.26 3.49 354 110 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5320.00 113.66 ------ ------ 99.87 32.56 10.90 33.14 3.47 354 110 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto 1 5350.66 45.37 54.00 -8.63 31.68 32.50 10.93 33.22 3.48 354 110 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto 1 5320.00 107.12 ------ ------ 93.33 32.56 10.90 33.14 3.47 354 110 Average

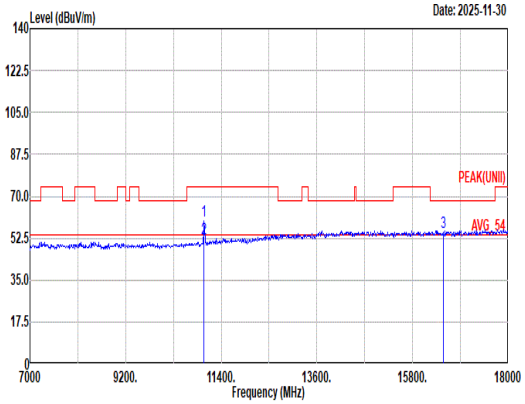
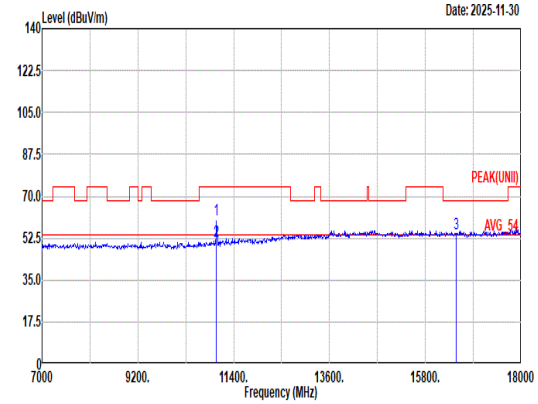
Mode	6	
	Band Edge	
	U-NII-2A_5.25-5.35_802.11a_CH64_5320MHz	
ANT	1 + 2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.94 56.85 74.00 -17.15 43.16 32.50 10.93 33.22 3.48 302 148 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 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 5320.00 120.33 ------ ------ 106.54 32.56 10.90 33.14 3.47 302 148 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 5354.16 48.63 54.00 -5.37 34.94 32.51 10.93 33.23 3.48 302 148 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 5320.00 112.87 ------ ------ 99.08 32.56 10.90 33.14 3.47 302 148 Average

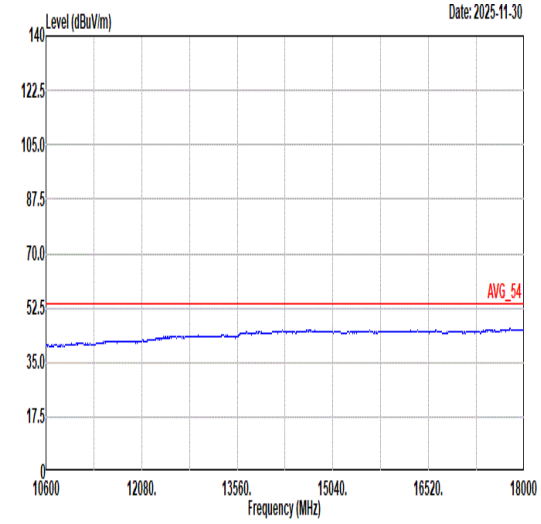
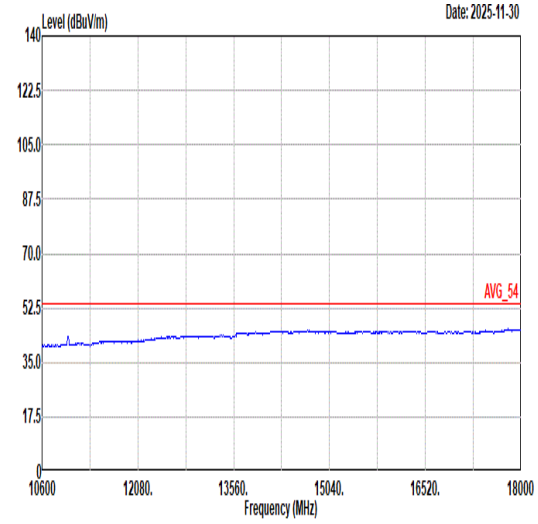
Mode	6	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11a_CH64_5320MHz	
ANT	1 + 2	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 10640.00 59.06 74.00 -14.94 42.97 37.80 15.40 39.28 2.17 287 150 Peak 2 10640.00 51.30 54.00 -2.70 35.21 37.80 15.40 39.28 2.17 287 150 Average 3 15960.00 54.02 74.00 -19.98 36.67 40.98 19.05 45.19 2.51 -- -- Peak 4 15960.00 45.30 54.00 -8.70 27.95 40.98 19.05 45.19 2.51 -- -- Average	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 10640.00 60.61 74.00 -13.39 44.52 37.80 15.40 39.28 2.17 400 191 Peak 2 10640.00 53.06 54.00 -0.94 36.97 37.80 15.40 39.28 2.17 400 191 Average 3 15960.00 54.80 74.00 -19.20 37.45 40.98 19.05 45.19 2.51 -- -- Peak 4 15960.00 44.97 54.00 -9.03 27.62 40.98 19.05 45.19 2.51 -- -- Average

Mode	6	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11a_CH64_5320MHz	
ANT	1 + 2	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL

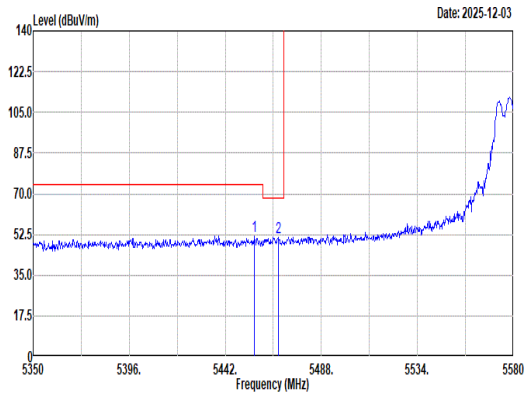
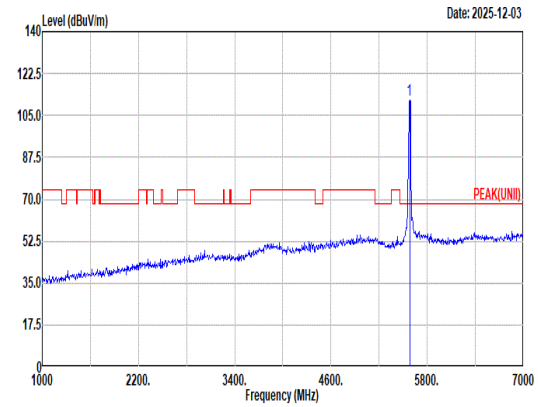
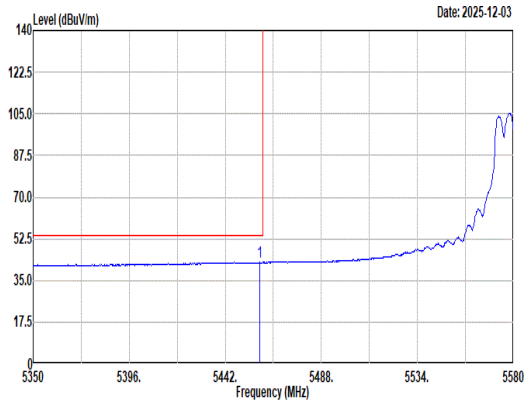
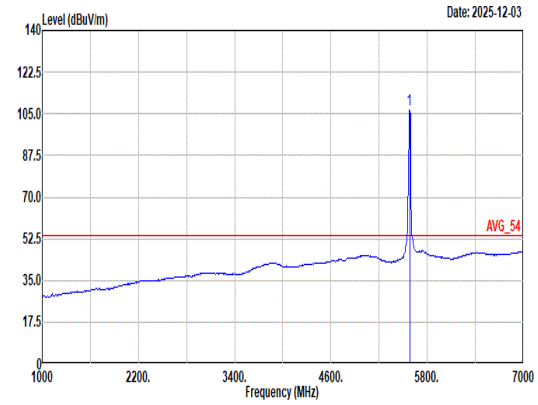
Mode	7	
	Band Edge	
	U-NII-2C_5.47-5.725_802.11a_CH100_5500MHz	
ANT	1 + 2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE(UNII)_B3 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5456.80 52.89 74.00 -21.11 39.16 32.71 11.04 33.53 3.51 351 114 Peak 2 5465.80 54.14 68.20 -14.06 40.39 32.73 11.05 33.55 3.52 351 114 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 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 5500.00 114.13 ------ ------ 100.35 32.80 11.10 33.65 3.53 351 114 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE(UNII)_B3 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5456.20 44.14 54.00 -9.86 30.40 32.71 11.04 33.52 3.51 351 114 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5500.00 106.98 ------ ------ 93.20 32.80 11.10 33.65 3.53 351 114 Average

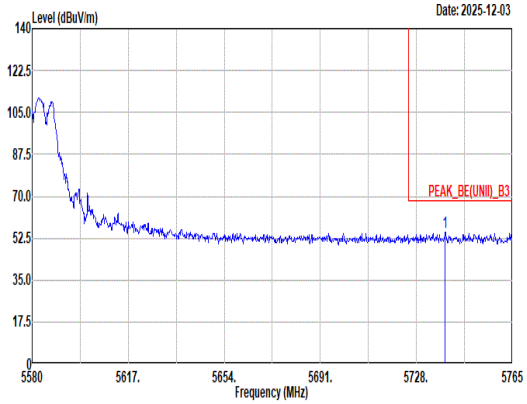
Mode	7	
	Band Edge	
	U-NII-2C_5.47-5.725_802.11a_CH100_5500MHz	
ANT	1 + 2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE(UNII)_B3 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5458.75 55.78 74.00 -18.22 42.04 32.72 11.04 33.53 3.51 300 144 Peak 2 5463.25 56.96 68.20 -11.24 43.20 32.73 11.05 33.54 3.52 300 144 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 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 5500.00 118.40 ------ ------ 104.59 32.84 11.10 33.66 3.53 300 144 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE(UNII)_B3 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 5458.45 46.85 54.00 -7.15 33.11 32.72 11.04 33.53 3.51 300 144 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 5500.00 111.80 ------ ------ 98.02 32.80 11.10 33.65 3.53 300 144 Average

Mode	7	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11a_CH100_5500MHz	
ANT	1 + 2	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11000.00 59.88 74.00 -14.12 43.81 37.90 15.64 39.68 2.21 400 143 Peak 2 11000.00 52.54 54.00 -1.46 36.47 37.90 15.64 39.68 2.21 400 143 Average 3 16500.00 54.78 68.20 -13.42 38.00 40.60 19.30 45.85 2.73 -- -- Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11000.00 60.08 74.00 -13.92 44.01 37.90 15.64 39.68 2.21 100 222 Peak 2 11000.00 51.44 54.00 -2.56 35.37 37.90 15.64 39.68 2.21 100 222 Average 3 16500.00 54.34 68.20 -13.86 37.56 40.60 19.30 45.85 2.73 -- -- Peak

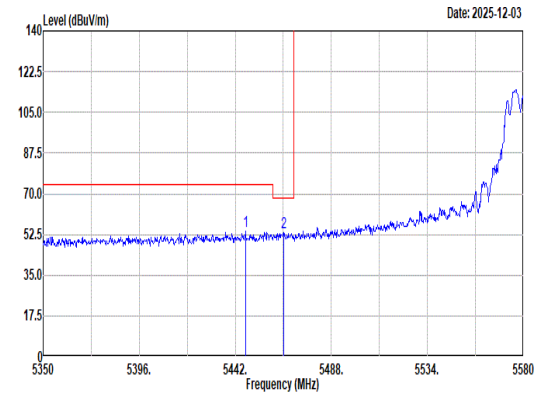
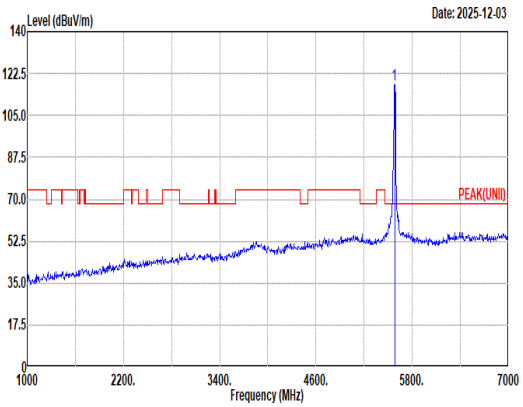
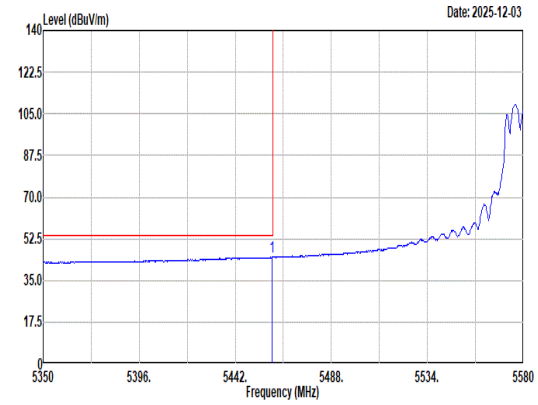
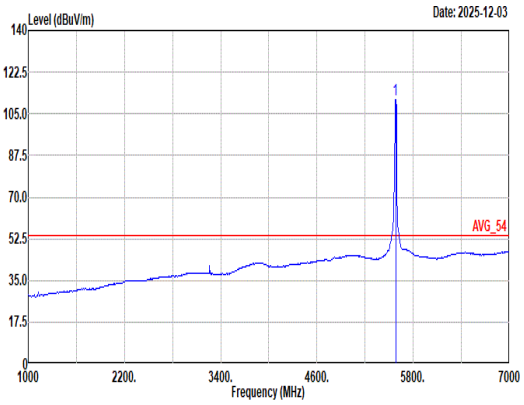
Mode	7	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11a_CH100_5500MHz	
ANT	1 + 2	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL

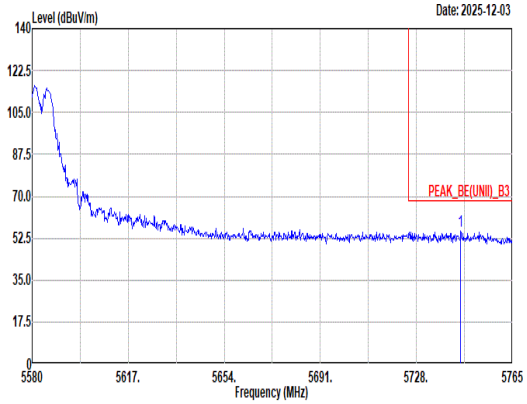
Mode	8
	Band Edge - L
	U-NII-2C_5.47-5.725_802.11a_CH116_5580MHz
ANT	1 + 2

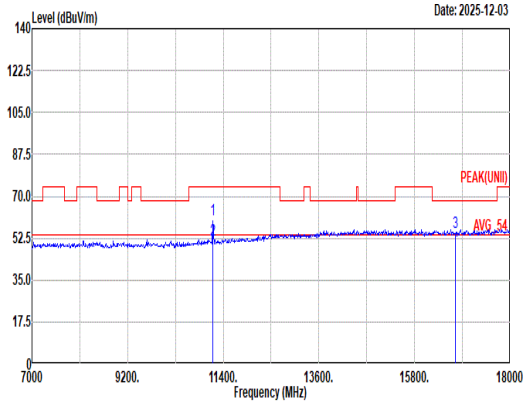
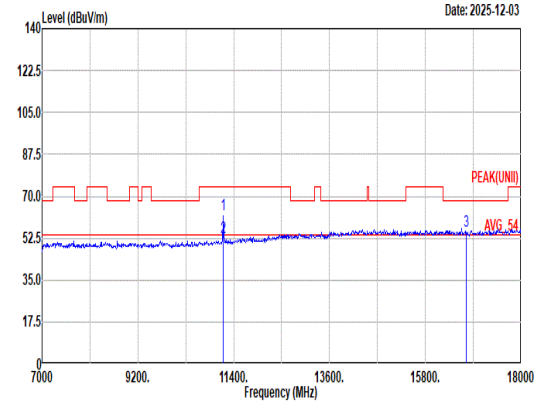
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE(UNII)_B3 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5456.03 51.90 74.00 -22.10 38.16 32.71 11.04 33.52 3.51 400 105 Peak 2 5467.30 51.33 68.20 -16.87 37.59 32.73 11.05 33.56 3.52 400 105 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 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 5580.00 111.62 ------ ------ 97.45 33.17 11.21 33.76 3.55 400 105 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE(UNII)_B3 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5458.33 42.75 54.00 -11.25 29.01 32.72 11.04 33.53 3.51 400 105 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5580.00 106.46 ------ ------ 92.31 33.16 11.20 33.75 3.54 400 105 Average

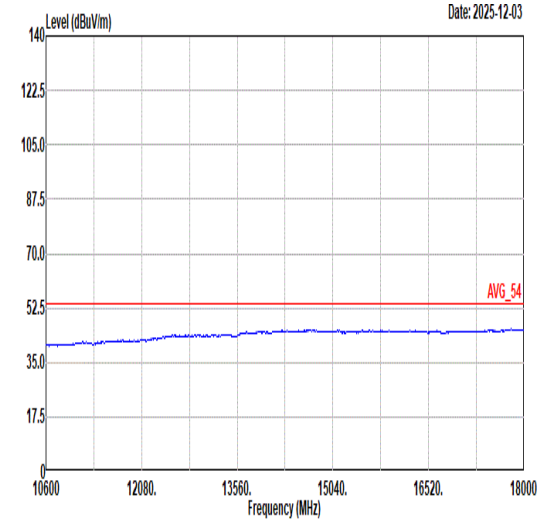
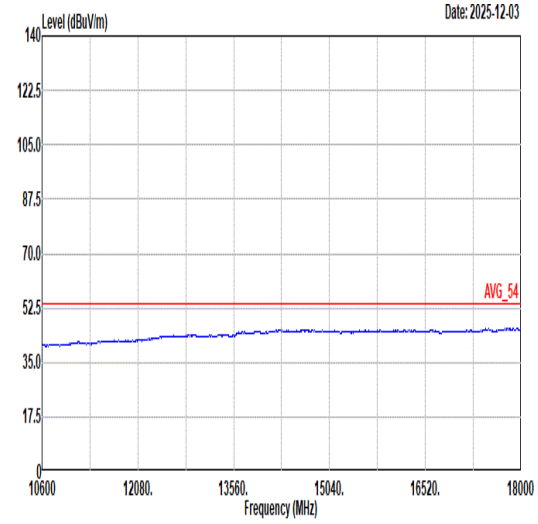
Mode	8	
	Band Edge - R	
	U-NII-2C_5.47-5.725_802.11a_CH116_5580MHz	
ANT	1 + 2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE(UNII)_B3 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5739.10 55.08 68.20 -13.12 40.18 33.96 11.31 33.96 3.59 400 105 Peak	Blank

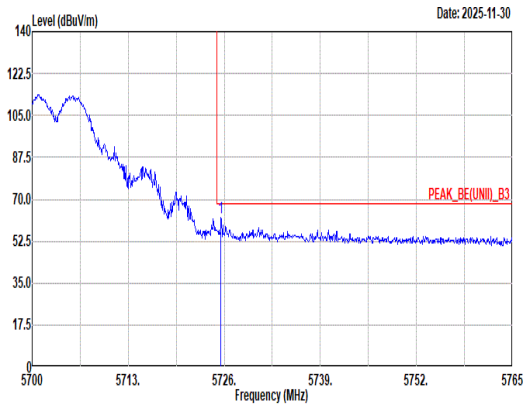
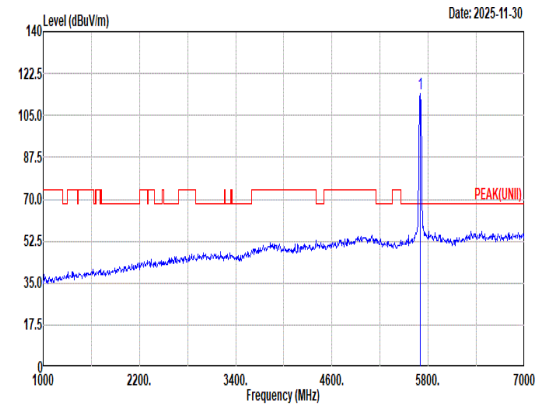
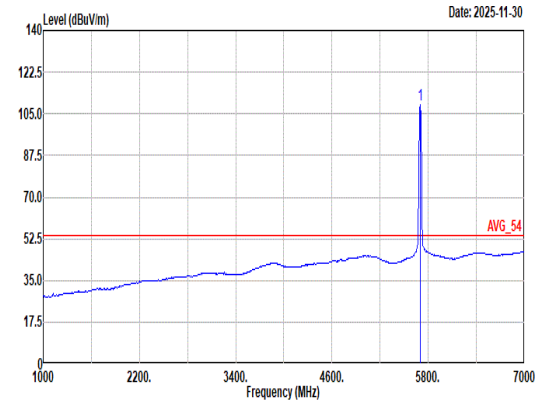
Mode	8
	Band Edge - L
	U-NII-2C_5.47-5.725_802.11a_CH116_5580MHz
ANT	1 + 2

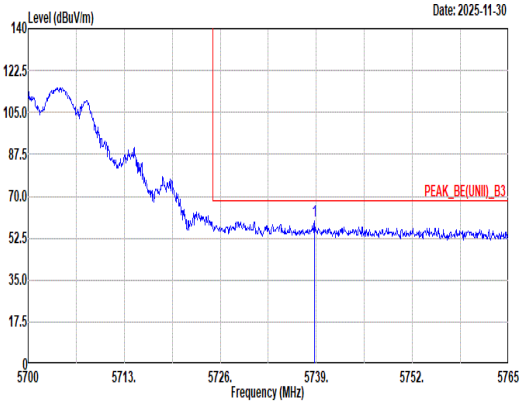
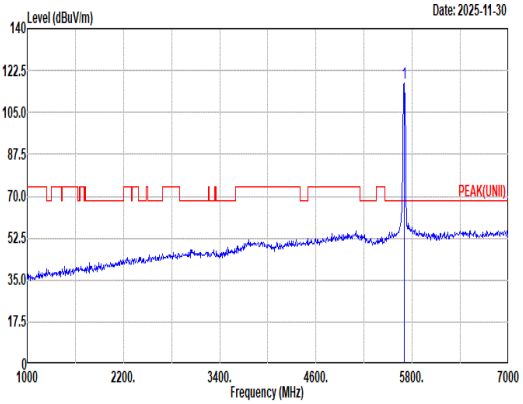
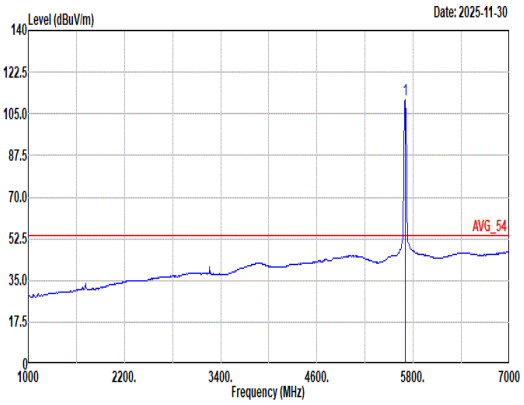
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE(UNII)_B3 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5446.83 53.74 74.00 -20.26 40.02 32.69 11.02 33.50 3.51 300 147 Peak 2 5465.23 53.28 68.20 -14.92 39.53 32.73 11.05 33.55 3.52 300 147 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 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 5580.00 117.84 ------ ------ 103.67 33.17 11.21 33.76 3.55 300 147 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE(UNII)_B3 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 5459.48 44.75 54.00 -9.25 31.01 32.72 11.04 33.53 3.51 300 147 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 5580.00 110.98 ------ ------ 96.83 33.16 11.20 33.75 3.54 300 147 Average

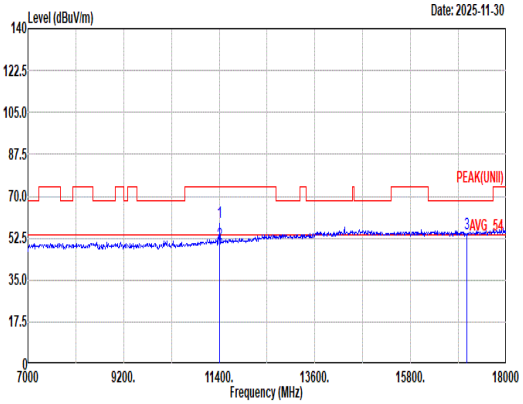
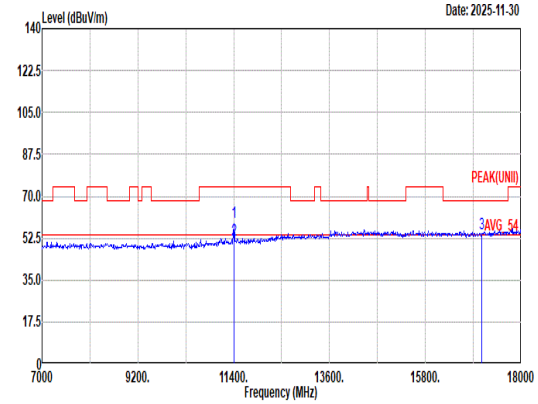
Mode	8	
	Band Edge - R	
	U-NII-2C_5.47-5.725_802.11a_CH116_5580MHz	
ANT	1 + 2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE(UNII)_B3 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.02 55.43 68.20 -12.77 40.51 33.98 11.32 33.97 3.59 300 147 Peak	Blank

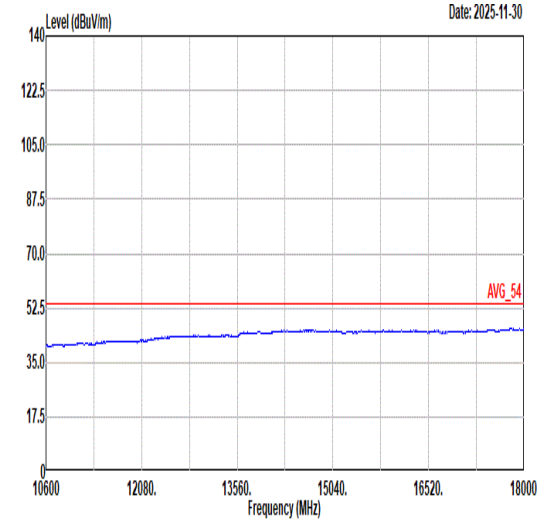
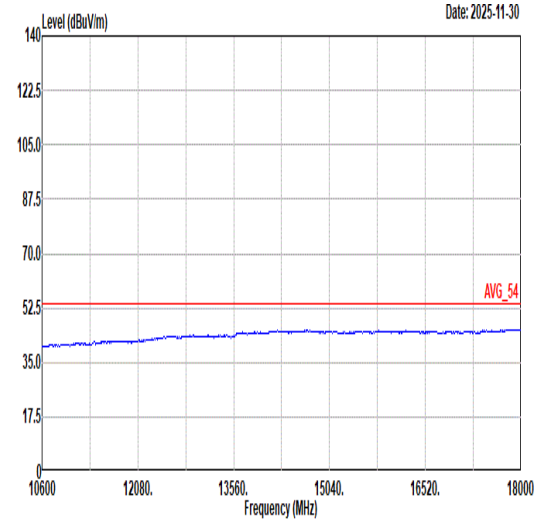
Mode	8	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11a_CH116_5580MHz	
ANT	1 + 2	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11160.00 60.39 74.00 -13.61 43.95 38.22 15.77 39.78 2.23 400 140 Peak 2 11160.00 51.60 54.00 -2.40 35.16 38.22 15.77 39.78 2.23 400 140 Average 3 16740.00 55.04 68.20 -13.16 38.50 40.34 19.41 46.05 2.84 -- -- Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11160.00 62.46 74.00 -11.54 46.02 38.22 15.77 39.78 2.23 237 179 Peak 2 11160.00 53.00 54.00 -1.00 36.56 38.22 15.77 39.78 2.23 237 179 Average 3 16740.00 55.56 68.20 -12.64 39.02 40.34 19.41 46.05 2.84 -- -- Peak

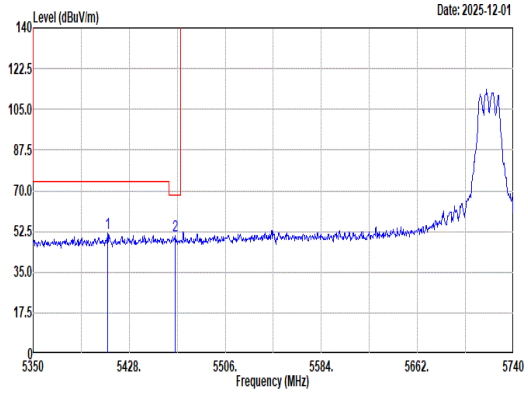
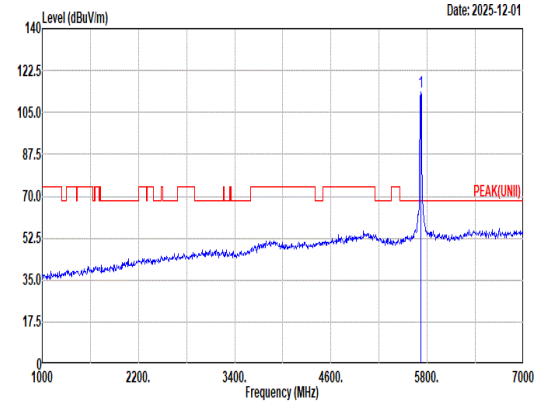
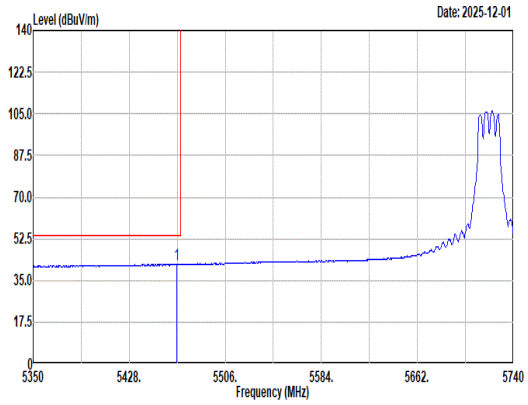
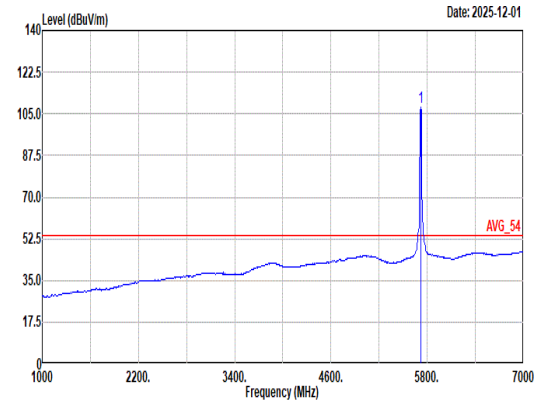
Mode	8	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11a_CH116_5580MHz	
ANT	1 + 2	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL

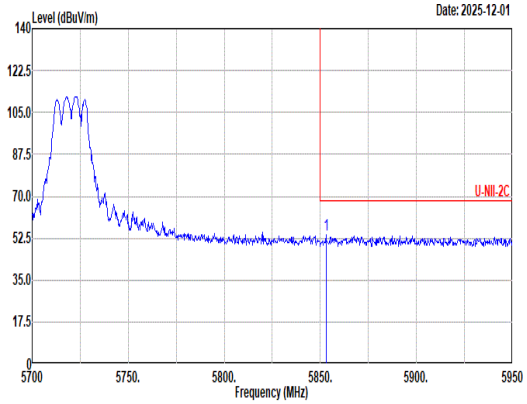
Mode	9	
	Band Edge	
	U-NII-2C_5.47-5.725_802.11a_CH140_5700MHz	
ANT	1 + 2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE(UNII)_B3 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5725.55 62.37 68.20 -5.83 47.51 33.90 11.31 33.94 3.59 389 105 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5700.00 114.24 ------ ------ 99.47 33.82 11.29 33.92 3.58 389 105 Peak
Avg	Blank	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto 1 5700.00 108.88 ------ ------ 94.13 33.79 11.29 33.91 3.58 389 105 Average

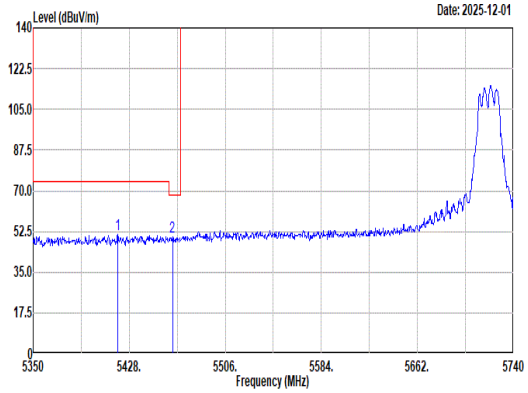
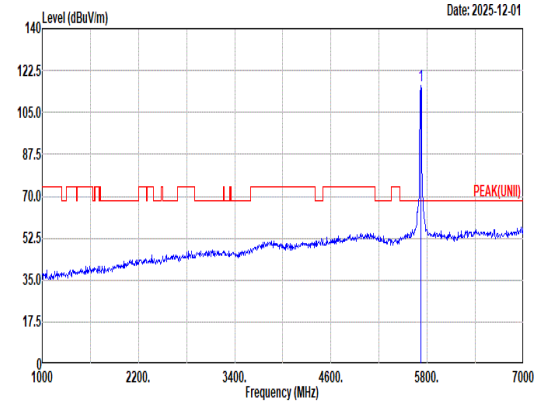
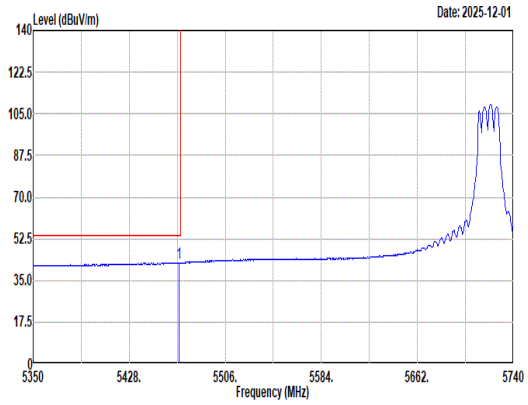
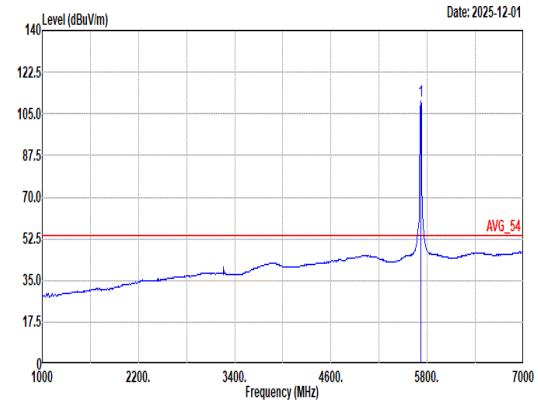
Mode	9	
	Band Edge	
	U-NII-2C_5.47-5.725_802.11a_CH140_5700MHz	
ANT	1 + 2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE(UNII)_B3 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5738.74 59.72 68.20 -8.48 44.83 33.95 11.31 33.96 3.59 300 139 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 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 5700.00 117.08 ------ ------ 102.33 33.79 11.29 33.91 3.58 300 139 Peak
Avg	Blank	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 5700.00 111.02 ------ ------ 96.27 33.79 11.29 33.91 3.58 300 139 Average

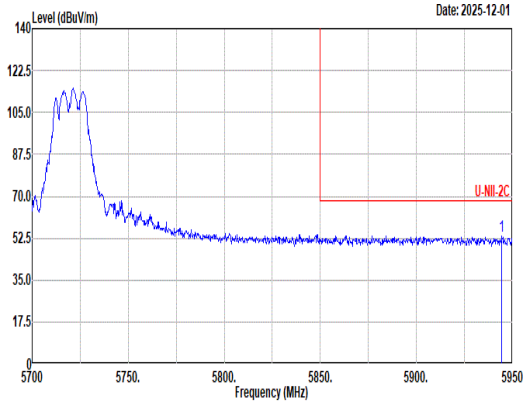
Mode	9	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11a_CH140_5700MHz	
ANT	1 + 2	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11400.00 58.96 74.00 -15.04 42.16 38.50 15.96 39.92 2.26 363 152 Peak 2 11400.00 50.10 54.00 -3.90 33.30 38.50 15.96 39.92 2.26 363 152 Average 3 17100.00 54.40 68.20 -13.80 37.89 40.30 19.58 46.36 2.99 -- -- Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11400.00 59.31 74.00 -14.69 42.51 38.50 15.96 39.92 2.26 146 199 Peak 2 11400.00 51.52 54.00 -2.48 34.72 38.50 15.96 39.92 2.26 146 199 Average 3 17100.00 54.52 68.20 -13.68 38.01 40.30 19.58 46.36 2.99 -- -- Peak

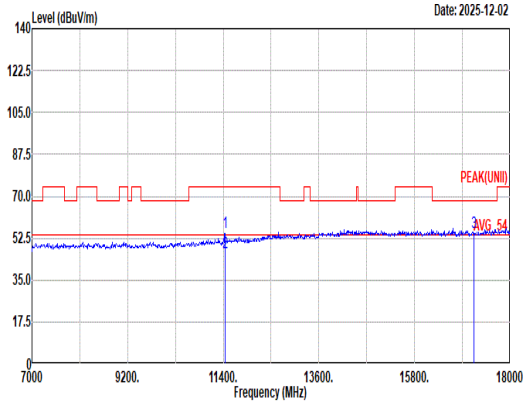
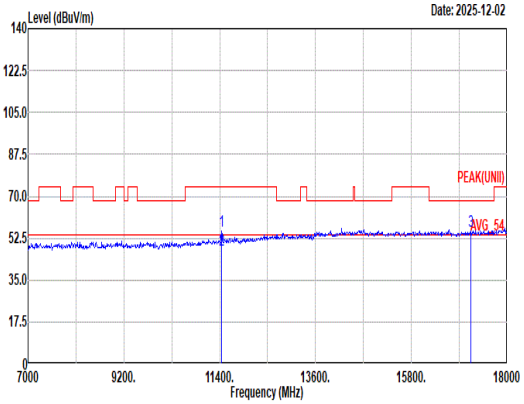
Mode	9	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11a_CH140_5700MHz	
ANT	1 + 2	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL

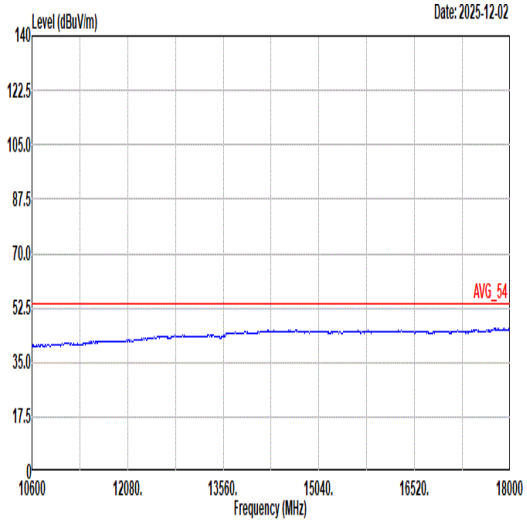
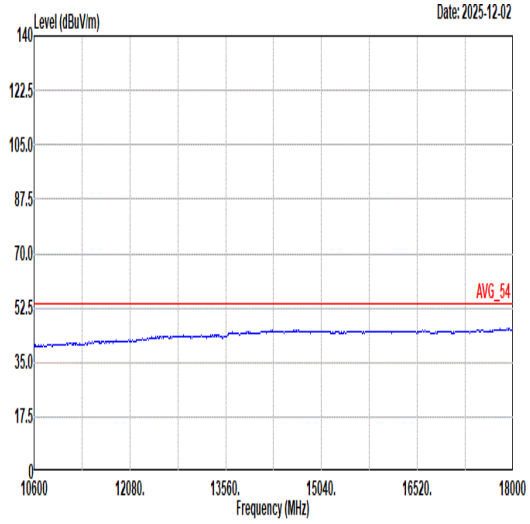
Mode	10	
	Band Edge - L	
	U-NII-2C_5.47-5.725_802.11a_CH144_5720MHz	
ANT	1 + 2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: U-NII-2C 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5410.45 51.52 74.00 -22.48 37.82 32.62 10.97 33.39 3.50 383 106 Peak 2 5465.05 50.55 68.20 -17.65 36.80 32.73 11.05 33.55 3.52 383 106 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 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 5720.00 113.81 ------ ------ 98.97 33.89 11.30 33.94 3.59 383 106 Peak
Avg	 Site : 03CH23-HY Condition: U-NII-2C AVERAGE 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5466.61 41.76 54.00 -12.24 28.01 32.73 11.05 33.55 3.52 383 106 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5720.00 107.54 ------ ------ 92.70 33.89 11.30 33.94 3.59 383 106 Average

Mode	10	
	Band Edge - R	
	U-NII-2C_5.47-5.725_802.11a_CH144_5720MHz	
ANT	1 + 2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: U-NII-2C 3m DRH18-E_LE2C05A18EN_250702 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 5853.00 53.79 68.20 -14.41 38.77 34.09 11.45 34.11 3.59 383 106 Peak	Blank

Mode	10	
	Band Edge - L	
	U-NII-2C_5.47-5.725_802.11a_CH144_5720MHz	
ANT	1 + 2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: U-NII-2C 3m DRH18-E_LE2C05A18EN_250702 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 5418.64 51.43 74.00 -22.57 37.72 32.64 10.99 33.42 3.50 294 141 Peak 2 5463.10 50.34 68.20 -17.86 36.58 32.73 11.05 33.54 3.52 294 141 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 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 5720.00 116.31 ------ ------ 101.50 33.86 11.30 33.93 3.58 294 141 Peak
Avg	 Site : 03CH23-HY Condition: U-NII-2C AVERAGE 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 5468.56 42.47 54.00 -11.53 28.72 32.74 11.05 33.56 3.52 294 141 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 5720.00 110.67 ------ ------ 95.83 33.89 11.30 33.94 3.59 294 141 Average

Mode	10	
	Band Edge - R	
	U-NII-2C_5.47-5.725_802.11a_CH144_5720MHz	
ANT	1 + 2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: U-NII-2C 3m DRH18-E_LE2C05A18EN_250702 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 5944.50 53.40 68.20 -14.80 38.45 34.00 11.62 34.23 3.56 294 141 Peak	Blank

Mode	10	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11a_CH144_5720MHz	
ANT	1 + 2	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11440.00 55.12 74.00 -18.88 38.22 38.58 15.99 39.94 2.27 400 140 Peak 2 11440.00 46.31 54.00 -7.69 29.41 38.58 15.99 39.94 2.27 400 140 Average 3 17160.00 54.68 68.20 -13.52 38.27 40.18 19.62 46.41 3.02 -- -- Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11440.00 55.67 74.00 -18.33 38.77 38.58 15.99 39.94 2.27 150 200 Peak 2 11440.00 47.76 54.00 -6.24 30.86 38.58 15.99 39.94 2.27 150 200 Average 3 17160.00 55.25 68.20 -12.95 38.84 40.18 19.62 46.41 3.02 -- -- Peak

Mode	10	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11a_CH144_5720MHz	
ANT	1 + 2	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL