FCC RADIO TEST REPORT

FCC ID	:	**2AEUP-5DYFA2**
Equipment	:	**Video Doorbell**
Brand Name	:	**ring**
Model Name	:	**5DFYA2**
Applicant	:	**Ring LLC** **12515 Cerise Ave, Hawthorne, CA 90250, USA**
Manufacturer	:	**Ring LLC** **12515 Cerise Ave, Hawthorne, CA 90250, USA**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Jul. 04, 2025 and testing was performed from Jul. 18, 2025 to Aug. 22, 2025. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this 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.)

Table of Contents

History of this test report **3**
Summary of Test Result **4**
1 General Description **5**
1.1 Product Feature of Equipment Under Test 5
1.2 Modification of EUT 5
1.3 Testing Location 5
1.4 Applicable Standards 6
2 Test Configuration of Equipment Under Test **7**
2.1 Carrier Frequency and Channel 7
2.2 Test Mode 8
2.3 Connection Diagram of Test System 8
2.4 Support Unit used in test configuration and system 9
2.5 EUT Operation Test Setup 9
2.6 Measurement Results Explanation Example 9
3 Test Result **10**
3.1 26dB & 99% Occupied Bandwidth Measurement 10
3.2 Maximum Conducted Output Power Measurement 11
3.3 Power Spectral Density Measurement 13
3.4 Unwanted Emissions Measurement 15
3.5 AC Conducted Emission Measurement 19
3.6 Antenna Requirements 21
4 List of Measuring Equipment **22**
5 Measurement Uncertainty **24**
Appendix A. Conducted Test Results
Appendix B. AC Conducted Emission Test Result
Appendix C. Radiated Spurious Emission Test Result
Appendix D. Duty Cycle Plots
Appendix E. Setup Photographs

History of this test report

Report No.	Version	Description	Issue Date
FR550659-01F	01	Initial issue of report	Sep. 22, 2025
FR550659-01F	02	Revised Appendix D. This report is an updated version, replacing the report issued on Sep. 22, 2025.	Sep. 30, 2025
FR550659-01F	03	Revised Appendix D. This report is an updated version, replacing the report issued on Sep. 30, 2025.	Sep. 30, 2025

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: Keven Cheng

Report Producer: Shiori Chen

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs Bluetooth-LE, LoRa, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax and 24GHz Radar. **Antenna Type** WLAN: **<Ant 1>:** IFA Antenna **<Ant 2>:** IFA Antenna

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Ant. 1: 3.0 Ant. 2: 3.1
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	Ant. 1: 4.7 Ant. 2: 4.5
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	Ant. 1: 3.5 Ant. 2: 3.0

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, CO07-HY, 03CH23-HY

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

FCC designation No.: TW3786

1.4 Applicable Standards

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

- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC 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). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.

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
	40	5200	48	5240

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	56	5280	64	5320

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	124	5620
	104	5520	128	5640
	108	5540	132	5660
	112	5560	136	5680
	116	5580	140	5700
	120	5600	-	-

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	144	5720	-	-

2.2 Test Mode

This device support 26/52/106 tone RU.

The PSD of partial RU is reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 2022.

The 802.11ax mode is investigated among different tones, full resource units (RU), partial resource units. The partial RU has no higher power than full RU's, thus the full RU is chosen as main test configuration.

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

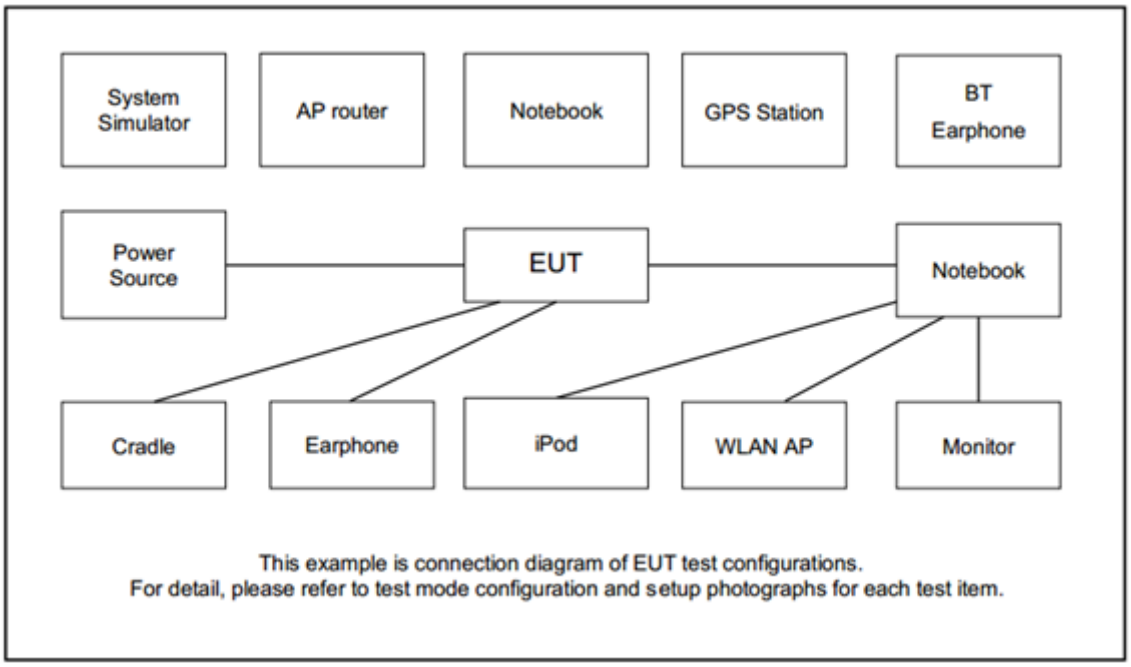
The final test modes include the worst data rates for each modulation shown in the table below.

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by VHT20)	MCS0
802.11ac VHT20	MCS0
802.11ax HE20	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth-LE Link + WLAN5GHz Link + Power from plug in 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.	WLAN AP	ASUS	RT-AC52	MSQ-RTAC4A00	N/A	Unshielded,1.8m
2.	Mobile Phone	Samsung	Galaxy A21S	A3LSMA217F	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “Compliance v1.0.1.54” 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.

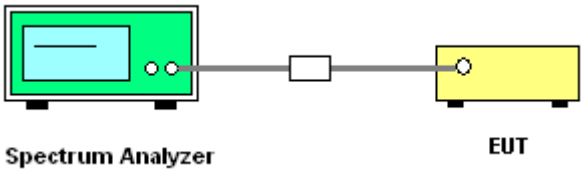
3.1.2 Measuring Instruments

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

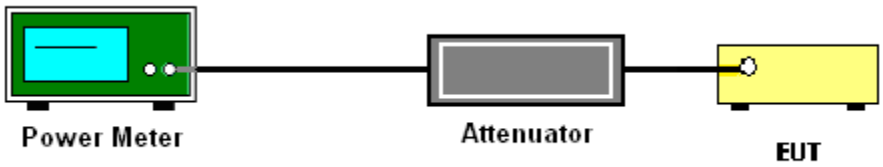
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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.

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.

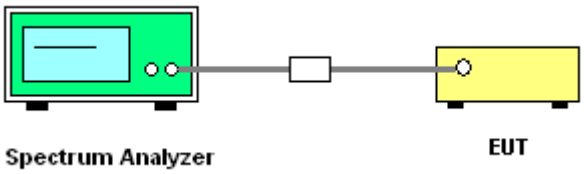
 # Method SA-2 #

(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.

3.3.4 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

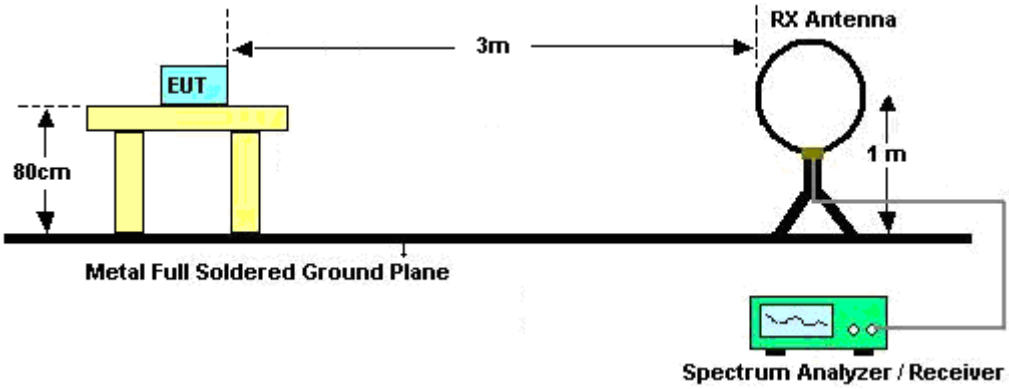
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.
   (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz
   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (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

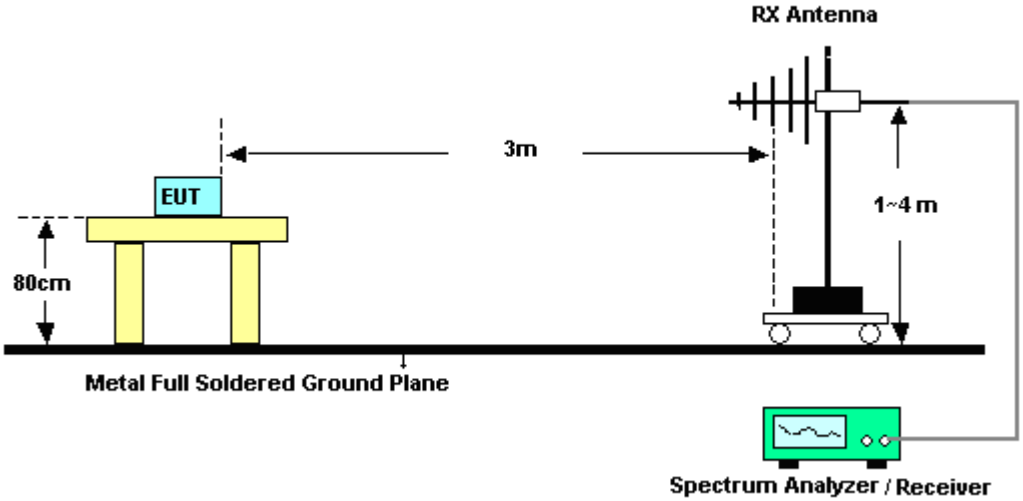
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting 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

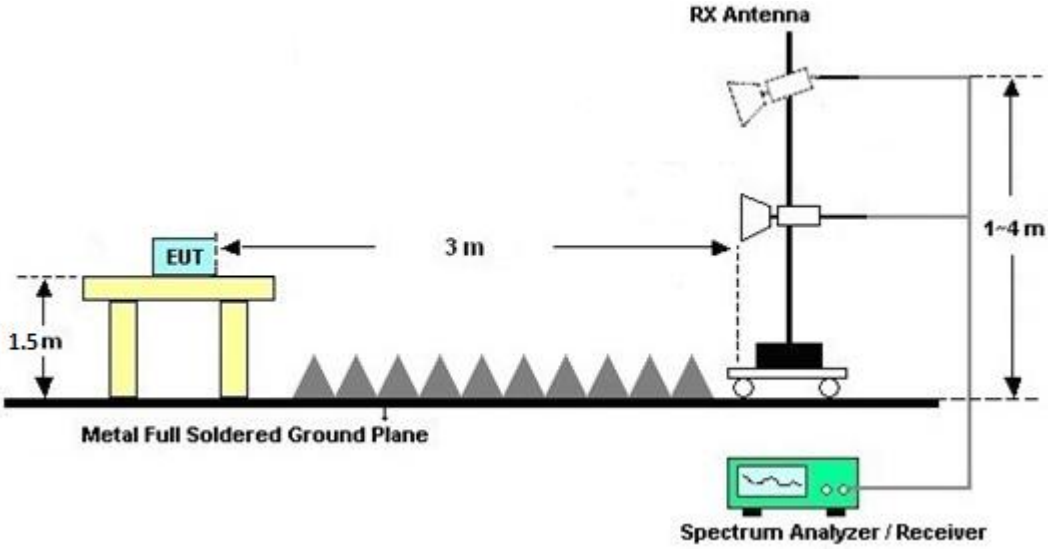
For radiated emissions below 30MHz



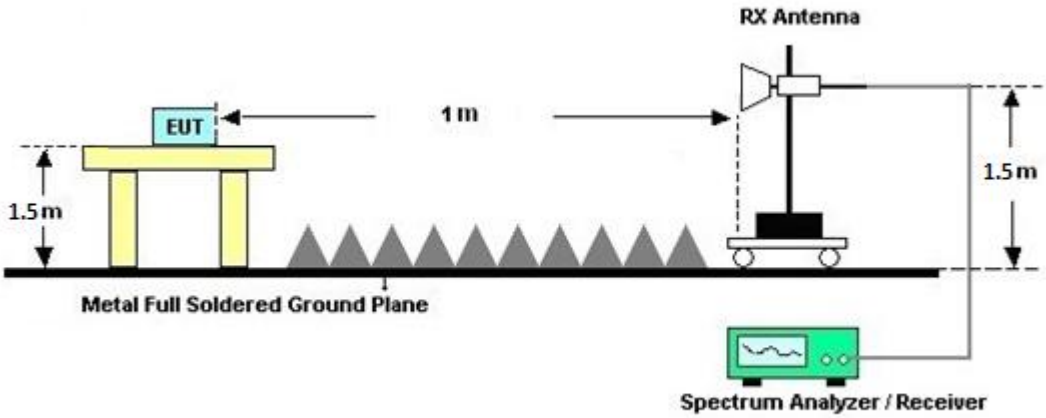
For radiated emissions from 30MHz to 1GHz



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.

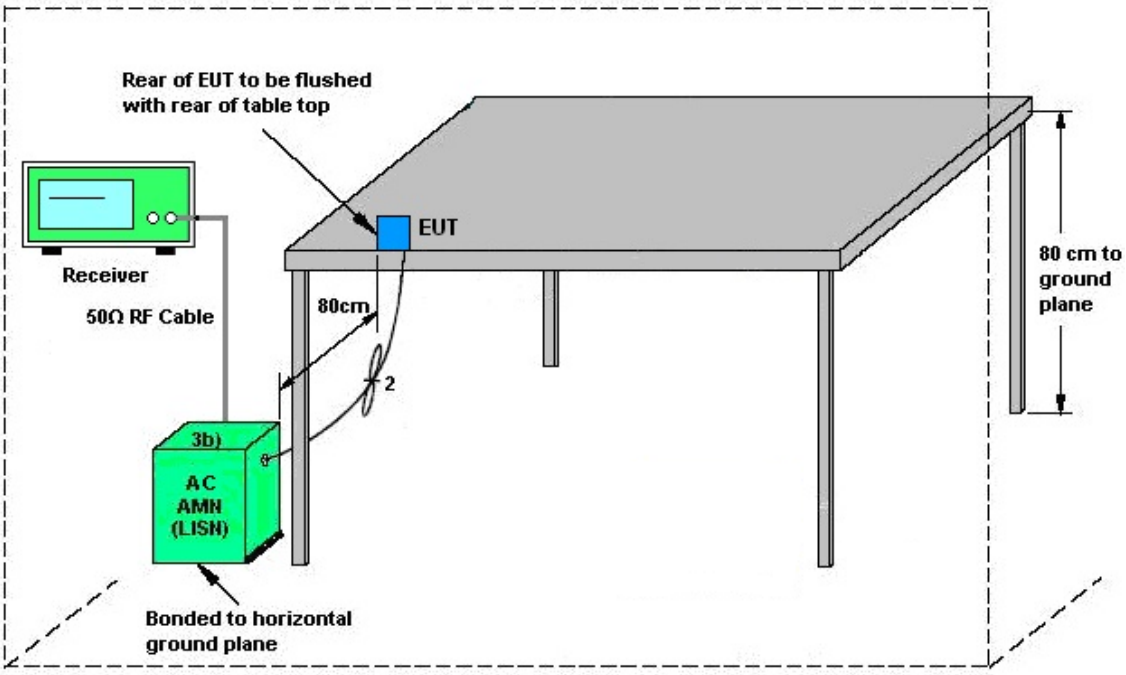
3.5.2 Measuring Instruments

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

Antenna permanently attached.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Aug. 29, 2024	Jul. 18, 2025~ Aug. 21, 2025	Aug. 28, 2025	Radiation (03CH23-HY)
Bilog Antenna	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	62028 & 003	30MHz~1GHz	Nov. 27, 2024	Jul. 18, 2025~ Aug. 21, 2025	Nov. 26, 2025	Radiation (03CH23-HY)
Amplifier	SONOMA	310N	421582	9kHz~1GHz	Jul. 13, 2025	Jul. 18, 2025~ Aug. 21, 2025	Jul. 12 2026	Radiation (03CH23-HY)
Amplifier	EMEC	EM01G18GA	060878	N/A	Sep. 27, 2024	Jul. 18, 2025~ Aug. 21, 2025	Sep. 26, 2025	Radiation (03CH23-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C05A18EN	1GHz~18GHz	Jul. 02 ,2025	Jul. 18, 2025~ Aug. 21, 2025	Jul. 01,2026	Radiation (03CH23-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1225	18GHz-40GHz	Jul. 02 ,2025	Jul. 18, 2025~ Aug. 21, 2025	Jul. 01,2026	Radiation (03CH23-HY)
Preamplifier	EMEC	EM18G40G	060873	18GHz~40GHz	Sep. 02, 2024	Jul. 18, 2025~ Aug. 21, 2025	Sep. 01, 2025	Radiation (03CH23-HY)
Signal Analyzer	Keysight	N9010B	MY62170337	N/A	Aug. 21, 2024	Jul. 18, 2025~ Aug. 19, 2025	Aug. 20, 2025	Radiation (03CH23-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290053	20Hz~26.5GHz	Sep. 09, 2024	Aug. 20, 2025~ Aug. 21, 2025	Sep. 08, 2025	Radiation (03CH23-HY)
Hygrometer	TECPEL	DTM-303B	TP211542	N/A	Oct. 21, 2024	Jul. 18, 2025~ Aug. 21, 2025	Oct. 20, 2025	Radiation (03CH23-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Jul. 18, 2025~ Aug. 21, 2025	N/A	Radiation (03CH23-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jul. 18, 2025~ Aug. 21, 2025	N/A	Radiation (03CH23-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jul. 18, 2025~ Aug. 21, 2025	N/A	Radiation (03CH23-HY)
Software	Audix	E3 6.09824_2019122	RK-002348	N/A	N/A	Jul. 18, 2025~ Aug. 21, 2025	N/A	Radiation (03CH23-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804395/2	N/A	Nov. 26, 2024	Jul. 18, 2025~ Aug. 21, 2025	Nov. 25, 2025	Radiation (03CH23-HY)
RF Cable	EMC	EMC101Y	231115/231119/231122	N/A	Nov. 26, 2024	Jul. 18, 2025~ Aug. 21, 2025	Nov. 25, 2025	Radiation (03CH23-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 01, 2024	Jul. 24, 2025~ Aug. 22, 2025	Oct. 31, 2025	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	13I00030SNO31 (NO:182)	9kHz~6GHz	Jan. 09, 2025	Jul. 24, 2025~ Aug. 22, 2025	Jan. 08, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101467	10HZ~44GHZ	Jan. 14, 2025	Jul. 24, 2025~ Aug. 22, 2025	Jan. 13, 2026	Conducted (TH05-HY)
Switch Control Mainframe	E-Instument	ETF-1405-0	EC1900157 (BOX6)	N/A	Feb. 10, 2025	Jul. 24, 2025~ Aug. 22, 2025	Feb. 09, 2026	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_version_240513	N/A	Conducted Other Test Item	N/A	Jul. 24, 2025~ Aug. 22, 2025	N/A	Conducted (TH05-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Jul. 22, 2025	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jul. 22, 2025	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 23, 2024	Jul. 22, 2025	Oct. 22, 2025	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 03, 2025	Jul. 22, 2025	Mar. 02, 2026	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 24, 2025	Jul. 22, 2025	Mar. 23, 2026	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 26, 2025	Jul. 22, 2025	Mar. 25, 2026	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 23, 2024	Jul. 22, 2025	Sep. 22, 2025	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))	6.6 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.4 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:	Jay Chen	Temperature:	21~25	°C
Test Date:	2025/7/24~2025/8/22	Relative Humidity:	51~54	%

Report Number : FR550659-01F

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 single antenna													
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	1	36	5180	19.34	19.75	-	24.00	24.00	3.00	3.10	-	Pass
11a	6Mbps	1	44	5220	19.45	19.34		24.00	24.00	3.00	3.10		Pass
11a	6Mbps	1	48	5240	19.38	19.30		24.00	24.00	3.00	3.10		Pass
HT20	MCS0	1	36	5180	17.94	19.16		24.00	24.00	3.00	3.10		Pass
HT20	MCS0	1	44	5220	19.18	19.20		24.00	24.00	3.00	3.10		Pass
HT20	MCS0	1	48	5240	19.14	19.08		24.00	24.00	3.00	3.10		Pass
VHT20	MCS0	1	36	5180	18.00	19.23		24.00	24.00	3.00	3.10		Pass
VHT20	MCS0	1	44	5220	19.22	19.28		24.00	24.00	3.00	3.10		Pass
VHT20	MCS0	1	48	5240	19.20	19.21		24.00	24.00	3.00	3.10		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 single antenna														
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	1	36	5180	17.80	17.61	30.45	30.34	-		22.50	22.46	-	
11a	6Mbps	1	44	5220	17.32	17.37	22.43	23.63	-		22.39	22.40		
11a	6Mbps	1	48	5240	17.38	17.42	23.74	26.77	-		22.40	22.41		
VHT20	MCS0	1	36	5180	18.05	18.09	21.15	21.68	-		22.56	22.57		
VHT20	MCS0	1	44	5220	18.05	18.07	21.09	24.50	-		22.56	22.57		
VHT20	MCS0	1	48	5240	18.09	18.11	21.32	25.93	-		22.57	22.58		

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 single antenna															
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	1	36	5180	0.11	0.11	7.64	7.97		11.00	11.00	3.00	3.10		Pass
11a	6Mbps	1	44	5220	0.11	0.11	7.45	7.36		11.00	11.00	3.00	3.10		Pass
11a	6Mbps	1	48	5240	0.11	0.11	7.65	7.47	-	11.00	11.00	3.00	3.10	-	Pass
VHT20	MCS0	1	36	5180	0.12	0.12	5.97	7.12		11.00	11.00	3.00	3.10		Pass
VHT20	MCS0	1	44	5220	0.12	0.12	6.25	7.08		11.00	11.00	3.00	3.10		Pass
VHT20	MCS0	1	48	5240	0.12	0.12	6.76	7.15		11.00	11.00	3.00	3.10		Pass

Report Number : FR550659-01F

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A single antenna														
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	1	52	5260	18.87	18.74		23.98	23.98	4.70	4.50	26.99	Pass
11a	6Mbps	1	60	5300	18.34	18.22		23.98	23.98	4.70	4.50	26.99	Pass
11a	6Mbps	1	64	5320	18.56	18.31		23.98	23.98	4.70	4.50	26.99	Pass
HT20	MCS0	1	52	5260	18.66	18.74		23.98	23.98	4.70	4.50	26.99	Pass
HT20	MCS0	1	60	5300	18.22	18.17	-	23.98	23.98	4.70	4.50	26.99	Pass
HT20	MCS0	1	64	5320	18.34	18.22		23.98	23.98	4.70	4.50	26.99	Pass
VHT20	MCS0	1	52	5260	18.70	18.76		23.98	23.98	4.70	4.50	26.99	Pass
VHT20	MCS0	1	60	5300	18.28	18.18		23.98	23.98	4.70	4.50	26.99	Pass
VHT20	MCS0	1	64	5320	18.43	18.26		23.98	23.98	4.70	4.50	26.99	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A single antenna															
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	1	52	5260	17.33	17.32	20.52	20.53	23.39	23.39	29.39	29.39	23.98	23.98	-
11a	6Mbps	1	60	5300	17.22	17.29	20.47	20.38	23.36	23.38	29.36	29.38	23.98	23.98	
11a	6Mbps	1	64	5320	17.26	17.27	20.54	20.48	23.37	23.37	29.37	29.37	23.98	23.98	
VHT20	MCS0	1	52	5260	18.03	18.06	20.80	20.84	23.56	23.57	29.56	29.57	23.98	23.98	
VHT20	MCS0	1	60	5300	17.98	18.05	20.81	20.75	23.55	23.56	29.55	29.56	23.98	23.98	
VHT20	MCS0	1	64	5320	17.98	18.03	20.83	21.06	23.55	23.56	29.55	29.56	23.98	23.98	

TEST RESULTS DATA
Power Spectral Density

U-NII-2A single antenna																
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	1	52	5260	0.11	0.11	7.43	7.41		11.00	11.00	4.70	4.50			Pass
11a	6Mbps	1	60	5300	0.11	0.11	6.52	6.46		11.00	11.00	4.70	4.50			Pass
11a	6Mbps	1	64	5320	0.11	0.11	6.68	6.60	-	11.00	11.00	4.70	4.50		-	Pass
VHT20	MCS0	1	52	5260	0.12	0.12	6.88	6.74		11.00	11.00	4.70	4.50			Pass
VHT20	MCS0	1	60	5300	0.12	0.12	5.63	5.44		11.00	11.00	4.70	4.50			Pass
VHT20	MCS0	1	64	5320	0.12	0.12	5.70	5.90		11.00	11.00	4.70	4.50			Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C single antenna													
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	1	100	5500	17.20	19.13	-	23.98	23.98	3.50	3.00	26.99	Pass
11a	6Mbps	1	116	5580	18.79	19.03		23.98	23.98	3.50	3.00	26.99	Pass
11a	6Mbps	1	140	5700	17.27	18.40		23.98	23.98	3.50	3.00	26.99	Pass
HT20	MCS0	1	100	5500	17.86	19.15		23.98	23.98	3.50	3.00	26.99	Pass
HT20	MCS0	1	116	5580	19.37	19.02		23.98	23.98	3.50	3.00	26.99	Pass
HT20	MCS0	1	140	5700	16.30	17.60		23.98	23.98	3.50	3.00	26.99	Pass
VHT20	MCS0	1	100	5500	17.86	19.24		23.98	23.98	3.50	3.00	26.99	Pass
VHT20	MCS0	1	116	5580	19.43	19.09		23.98	23.98	3.50	3.00	26.99	Pass
VHT20	MCS0	1	140	5700	16.36	17.64		23.98	23.98	3.50	3.00	26.99	Pass

FCC U-NII-2C straddle channel single antenna													
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	1	144	5720	19.12	18.52	-	23.98	23.98	3.50	3.00	26.99	Pass
HT20	MCS0	1	144	5720	18.96	18.41		23.98	23.98	3.50	3.00	26.99	Pass
VHT20	MCS0	1	144	5720	18.99	18.48		23.98	23.98	3.50	3.00	26.99	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C single antenna																
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	1	100	5500	17.31	17.37	20.58	24.78	23.38	23.40	29.38	29.40	23.98	23.98	----	----
11a	6Mbps	1	116	5580	17.25	17.39	20.46	26.54	23.37	23.40	29.37	29.40	23.98	23.98	----	----
11a	6Mbps	1	140	5700	17.19	17.33	20.51	23.08	23.35	23.39	29.35	29.39	23.98	23.98	----	----
VHT20	MCS0	1	100	5500	18.06	18.19	21.30	25.86	23.57	23.60	29.57	29.60	23.98	23.98	----	----
VHT20	MCS0	1	116	5580	18.13	18.11	21.62	25.83	23.59	23.58	29.59	29.58	23.98	23.98	----	----
VHT20	MCS0	1	140	5700	18.06	18.08	21.40	21.54	23.57	23.57	29.57	29.57	23.98	23.98	----	----

U-NII-2C straddle channel single antenna																
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	1	144	5720	13.74	13.77	15.28	15.30	23.38	23.39	29.38	29.39	23.98	23.98	2.53	2.545
VHT20	MCS0	1	144	5720	14.12	14.10	15.94	16.17	23.58	23.58	29.58	29.58	23.98	23.98	2.525	2.545
6dB Bandwidth Limit ≧ 500kHz															Pass	

TEST RESULTS DATA
Power Spectral Density

U-NII-2C single antenna															
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	1	100	5500	0.11	0.11	5.39	7.58	-	11.00	11.00	3.50	3.00	-	Pass
11a	6Mbps	1	116	5580	0.11	0.11	6.58	7.54		11.00	11.00	3.50	3.00		Pass
11a	6Mbps	1	140	5700	0.11	0.11	5.83	6.87		11.00	11.00	3.50	3.00		Pass
VHT20	MCS0	1	100	5500	0.12	0.12	5.50	6.99		11.00	11.00	3.50	3.00		Pass
VHT20	MCS0	1	116	5580	0.12	0.12	6.98	6.46		11.00	11.00	3.50	3.00		Pass
VHT20	MCS0	1	140	5700	0.12	0.12	4.22	5.41		11.00	11.00	3.50	3.00		Pass

U-NII-2C straddle channel single antenna															
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	1	144	5720	0.11	0.11	7.64	7.18	-	11.00	11.00	3.50	3.00	-	Pass
VHT20	MCS0	1	144	5720	0.12	0.12	6.91	6.33		11.00	11.00	3.50	3.00		Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 single antenna														
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	1	36	5180	Full	18.38	19.30	-	24.00	24.00	3.00	3.10	-	Pass
HE20	MCS0	1	36	5180	26/0	9.62	10.51		24.00	24.00	3.00	3.10		Pass
HE20	MCS0	1	36	5180	52/37	12.74	13.56		24.00	24.00	3.00	3.10		Pass
HE20	MCS0	1	36	5180	106/53	16.50	16.73		24.00	24.00	3.00	3.10		Pass
HE20	MCS0	1	44	5220	Full	19.56	19.57		24.00	24.00	3.00	3.10		Pass
HE20	MCS0	1	44	5220	26/4	11.45	11.90		24.00	24.00	3.00	3.10		Pass
HE20	MCS0	1	44	5220	52/37	13.48	13.45		24.00	24.00	3.00	3.10		Pass
HE20	MCS0	1	44	5220	106/53	16.15	17.05		24.00	24.00	3.00	3.10		Pass
HE20	MCS0	1	48	5240	Full	19.43	19.55		24.00	24.00	3.00	3.10		Pass
HE20	MCS0	1	48	5240	26/8	10.46	10.88		24.00	24.00	3.00	3.10		Pass
HE20	MCS0	1	48	5240	52/40	13.65	13.50		24.00	24.00	3.00	3.10		Pass
HE20	MCS0	1	48	5240	106/54	16.28	16.71		24.00	24.00	3.00	3.10		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 single antenna															
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	1	36	5180	Full	18.95	19.00	21.06	21.29	-		22.78	22.79	-	-
HE20	MCS0	1	44	5220	Full	18.99	18.99	20.96	22.63	-		22.78	22.78		
HE20	MCS0	1	48	5240	Full	19.00	19.01	21.91	22.32	-		22.79	22.79		

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 single antenna																
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	1	36	5180	Full	0.15	0.15	6.21	7.13		11.00	11.00	3.00	3.10		Pass
HE20	MCS0	1	36	5180	26/0	0.26	0.25	6.00	6.79		11.00	11.00	3.00	3.10		Pass
HE20	MCS0	1	36	5180	52/37	0.29	0.29	6.05	6.92		11.00	11.00	3.00	3.10		Pass
HE20	MCS0	1	36	5180	106/53	0.34	0.34	6.05	6.99		11.00	11.00	3.00	3.10		Pass
HE20	MCS0	1	44	5220	Full	0.15	0.15	6.66	7.11		11.00	11.00	3.00	3.10		Pass
HE20	MCS0	1	44	5220	26/4	0.26	0.25	6.48	6.77		11.00	11.00	3.00	3.10		Pass
HE20	MCS0	1	44	5220	52/37	0.29	0.29	6.57	6.74	-	11.00	11.00	3.00	3.10	-	Pass
HE20	MCS0	1	44	5220	106/53	0.34	0.34	6.25	7.07		11.00	11.00	3.00	3.10		Pass
HE20	MCS0	1	48	5240	Full	0.15	0.15	7.09	7.28		11.00	11.00	3.00	3.10		Pass
HE20	MCS0	1	48	5240	26/8	0.26	0.25	6.82	7.06		11.00	11.00	3.00	3.10		Pass
HE20	MCS0	1	48	5240	52/40	0.29	0.29	7.02	6.90		11.00	11.00	3.00	3.10		Pass
HE20	MCS0	1	48	5240	106/54	0.34	0.34	6.69	7.25		11.00	11.00	3.00	3.10		Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A single antenna														
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	1	52	5260	Full	18.98	19.04	-	23.98	23.98	4.70	4.50	26.99	Pass
HE20	MCS0	1	52	5260	26/0	10.34	9.94		23.98	23.98	4.70	4.50	26.99	Pass
HE20	MCS0	1	52	5260	52/37	13.04	13.03		23.98	23.98	4.70	4.50	26.99	Pass
HE20	MCS0	1	52	5260	106/53	16.13	16.07		23.98	23.98	4.70	4.50	26.99	Pass
HE20	MCS0	1	60	5300	Full	18.52	18.20		23.98	23.98	4.70	4.50	26.99	Pass
HE20	MCS0	1	60	5300	26/4	10.10	10.07		23.98	23.98	4.70	4.50	26.99	Pass
HE20	MCS0	1	60	5300	52/37	11.88	12.41		23.98	23.98	4.70	4.50	26.99	Pass
HE20	MCS0	1	60	5300	106/53	15.22	15.16		23.98	23.98	4.70	4.50	26.99	Pass
HE20	MCS0	1	64	5320	Full	18.62	18.36		23.98	23.98	4.70	4.50	26.99	Pass
HE20	MCS0	1	64	5320	26/8	9.85	9.80		23.98	23.98	4.70	4.50	26.99	Pass
HE20	MCS0	1	64	5320	52/40	12.55	12.41		23.98	23.98	4.70	4.50	26.99	Pass
HE20	MCS0	1	64	5320	106/54	15.89	15.72		23.98	23.98	4.70	4.50	26.99	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A single antenna																
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	1	52	5260	Full	18.95	18.98	20.98	21.34	23.78	23.78	29.78	29.78	23.98	23.98	
HE20	MCS0	1	60	5300	Full	18.96	18.96	21.02	20.95	23.78	23.78	29.78	29.78	23.98	23.98	
HE20	MCS0	1	64	5320	Full	18.95	18.96	21.04	20.93	23.78	23.78	29.78	29.78	23.98	23.98	

TEST RESULTS DATA
Power Spectral Density

U-NII-2A single antenna																
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	1	52	5260	Full	0.15	0.15	6.95	7.04		11.00	11.00	4.70	4.50		Pass
HE20	MCS0	1	52	5260	26/0	0.26	0.25	6.83	6.56		11.00	11.00	4.70	4.50		Pass
HE20	MCS0	1	52	5260	52/37	0.29	0.29	6.57	6.74		11.00	11.00	4.70	4.50		Pass
HE20	MCS0	1	52	5260	106/53	0.34	0.34	6.74	6.63		11.00	11.00	4.70	4.50		Pass
HE20	MCS0	1	60	5300	Full	0.15	0.15	5.69	5.75		11.00	11.00	4.70	4.50		Pass
HE20	MCS0	1	60	5300	26/4	0.26	0.25	5.20	5.29		11.00	11.00	4.70	4.50		Pass
HE20	MCS0	1	60	5300	52/37	0.29	0.29	5.23	5.64	-	11.00	11.00	4.70	4.50	-	Pass
HE20	MCS0	1	60	5300	106/53	0.34	0.34	5.36	5.42		11.00	11.00	4.70	4.50		Pass
HE20	MCS0	1	64	5320	Full	0.15	0.15	6.09	6.00		11.00	11.00	4.70	4.50		Pass
HE20	MCS0	1	64	5320	26/8	0.26	0.25	5.90	5.97		11.00	11.00	4.70	4.50		Pass
HE20	MCS0	1	64	5320	52/40	0.29	0.29	5.81	5.74		11.00	11.00	4.70	4.50		Pass
HE20	MCS0	1	64	5320	106/54	0.34	0.34	6.04	5.98		11.00	11.00	4.70	4.50		Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C single antenna														
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	1	100	5500	Full	17.90	19.33	-	23.98	23.98	3.50	3.00	26.99	Pass
HE20	MCS0	1	100	5500	26/0	9.35	10.33		23.98	23.98	3.50	3.00	26.99	Pass
HE20	MCS0	1	100	5500	52/37	12.00	13.03		23.98	23.98	3.50	3.00	26.99	Pass
HE20	MCS0	1	100	5500	106/53	14.89	16.43		23.98	23.98	3.50	3.00	26.99	Pass
HE20	MCS0	1	116	5580	Full	19.81	19.14		23.98	23.98	3.50	3.00	26.99	Pass
HE20	MCS0	1	116	5580	26/4	11.53	11.53		23.98	23.98	3.50	3.00	26.99	Pass
HE20	MCS0	1	116	5580	52/37	13.75	13.19		23.98	23.98	3.50	3.00	26.99	Pass
HE20	MCS0	1	116	5580	106/53	16.85	16.30		23.98	23.98	3.50	3.00	26.99	Pass
HE20	MCS0	1	140	5700	Full	16.53	17.85		23.98	23.98	3.50	3.00	26.99	Pass
HE20	MCS0	1	140	5700	26/8	7.66	9.02		23.98	23.98	3.50	3.00	26.99	Pass
HE20	MCS0	1	140	5700	52/40	10.41	11.84		23.98	23.98	3.50	3.00	26.99	Pass
HE20	MCS0	1	140	5700	106/54	13.86	14.29		23.98	23.98	3.50	3.00	26.99	Pass

FCC U-NII-2C straddle channel single antenna														
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	1	144	5720	Full	19.30	18.79	-	23.98	23.98	3.50	3.00	26.99	Pass
HE20	MCS0	1	144	5720	26/8	10.32	9.65		23.98	23.98	3.50	3.00	26.99	Pass
HE20	MCS0	1	144	5720	52/40	13.12	13.02		23.98	23.98	3.50	3.00	26.99	Pass
HE20	MCS0	1	144	5720	106/54	16.19	15.57		23.98	23.98	3.50	3.00	26.99	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C single antenna																	
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	1	100	5500	Full	18.95	19.03	21.07	22.62	23.78	23.79	29.78	29.79	23.98	23.98	----	----
HE20	MCS0	1	116	5580	Full	19.02	19.02	21.35	21.46	23.79	23.79	29.79	29.79	23.98	23.98	----	----
HE20	MCS0	1	140	5700	Full	18.95	18.96	21.01	21.03	23.78	23.78	29.78	29.78	23.98	23.98	----	----

U-NII-2C straddle channel single antenna																	
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	1	144	5720	Full	14.53	14.54	15.77	15.44	23.79	23.79	29.79	29.79	23.98	23.98	4.265	4.15
6dB Bandwidth Limit ≧ 500kHz																Pass	

TEST RESULTS DATA
Power Spectral Density

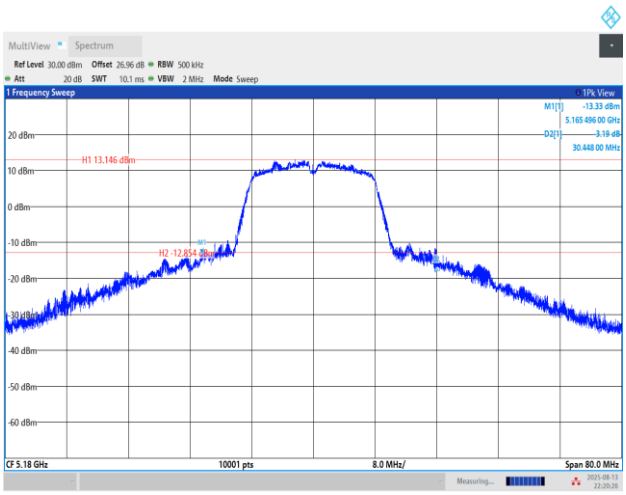
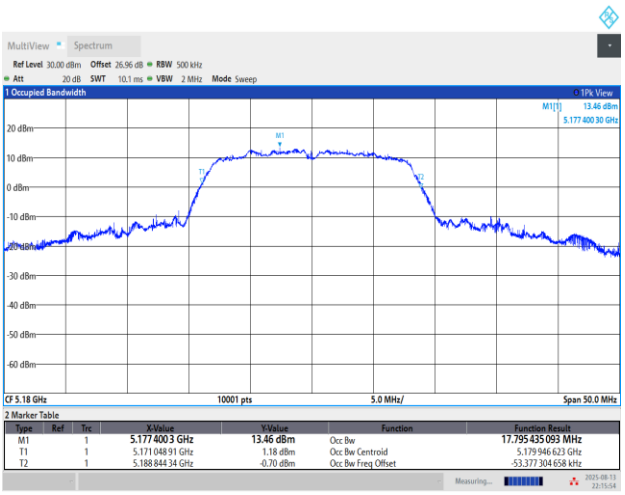
U-NII-2C single antenna																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	1	100	5500	Full	0.15	0.15	5.69	7.09	-	11.00	11.00	3.50	3.00	-	Pass
HE20	MCS0	1	100	5500	26/0	0.26	0.25	5.41	6.75		11.00	11.00	3.50	3.00		Pass
HE20	MCS0	1	100	5500	52/37	0.29	0.29	5.40	6.69		11.00	11.00	3.50	3.00		Pass
HE20	MCS0	1	100	5500	106/53	0.34	0.34	5.30	6.93		11.00	11.00	3.50	3.00		Pass
HE20	MCS0	1	116	5580	Full	0.15	0.15	7.15	6.78		11.00	11.00	3.50	3.00		Pass
HE20	MCS0	1	116	5580	26/4	0.26	0.25	6.71	6.75		11.00	11.00	3.50	3.00		Pass
HE20	MCS0	1	116	5580	52/37	0.29	0.29	7.00	6.64		11.00	11.00	3.50	3.00		Pass
HE20	MCS0	1	116	5580	106/53	0.34	0.34	6.93	6.67		11.00	11.00	3.50	3.00		Pass
HE20	MCS0	1	140	5700	Full	0.15	0.15	4.23	5.60		11.00	11.00	3.50	3.00		Pass
HE20	MCS0	1	140	5700	26/8	0.26	0.25	4.02	5.46		11.00	11.00	3.50	3.00		Pass
HE20	MCS0	1	140	5700	52/40	0.29	0.29	3.88	5.37		11.00	11.00	3.50	3.00		Pass
HE20	MCS0	1	140	5700	106/54	0.34	0.34	4.19	4.81		11.00	11.00	3.50	3.00		Pass

U-NII-2C straddle channel single antenna																
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	1	144	5720	Full	0.15	0.15	7.12	6.73	-	11.00	11.00	3.50	3.00	-	Pass
HE20	MCS0	1	144	5720	26/8	0.26	0.25	6.77	6.27		11.00	11.00	3.50	3.00		Pass
HE20	MCS0	1	144	5720	52/40	0.29	0.29	6.75	6.71		11.00	11.00	3.50	3.00		Pass
HE20	MCS0	1	144	5720	106/54	0.34	0.34	6.88	6.31		11.00	11.00	3.50	3.00		Pass

Test Result of 26dB & 99% Occupied Bandwidth

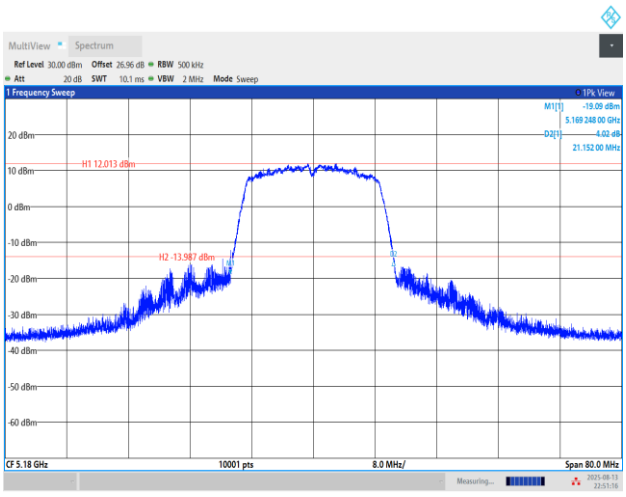
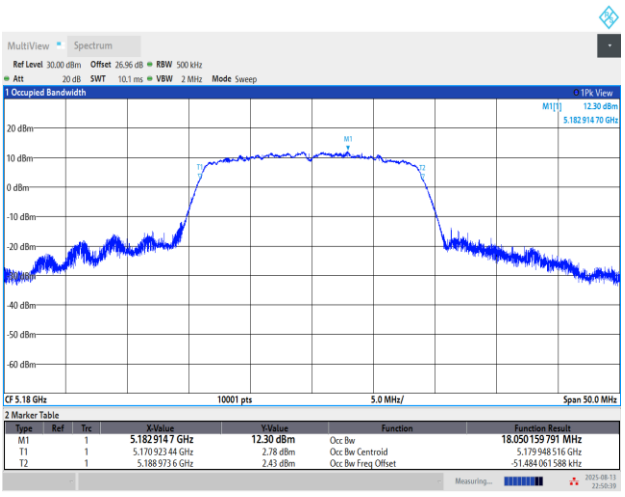
<Ant. 1>

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

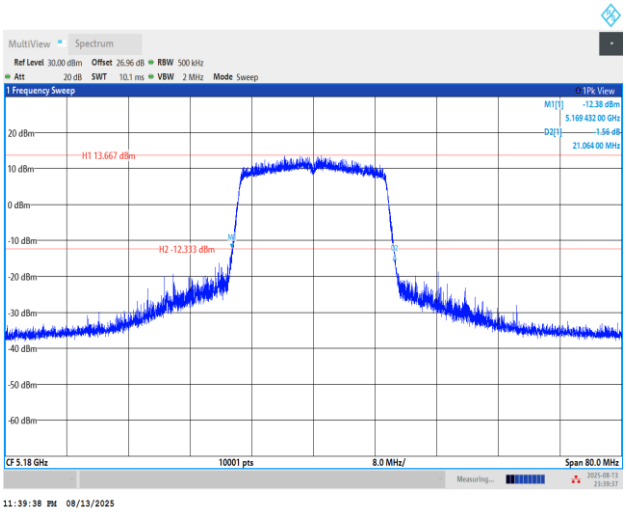
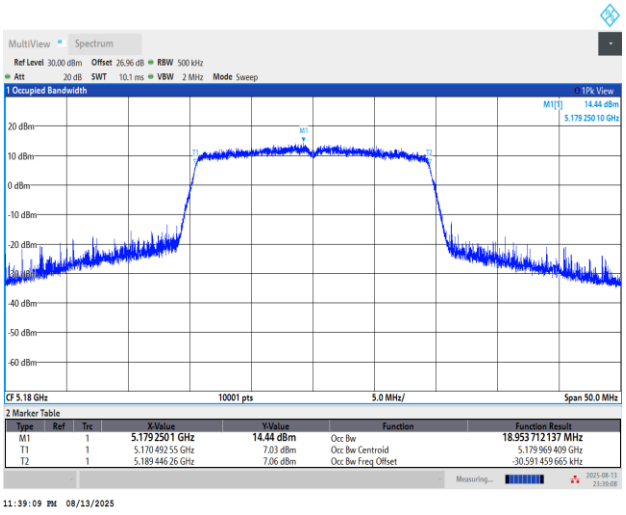
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<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.

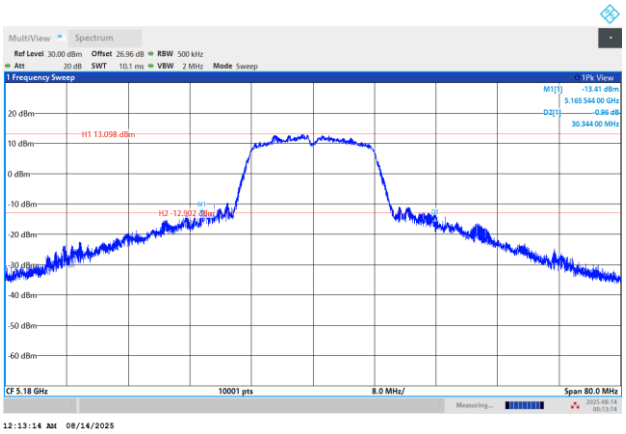
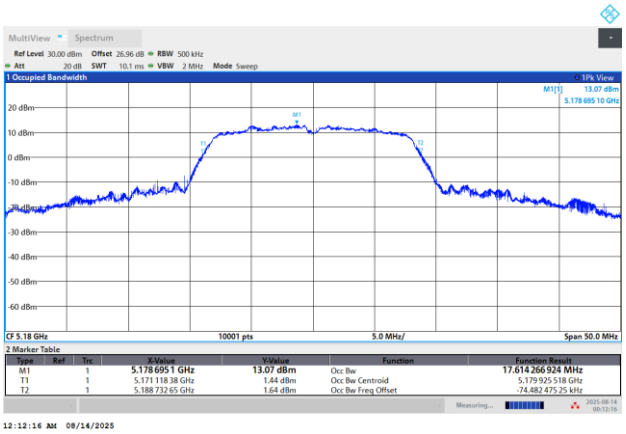
<802.11ax HE20>

26dB Bandwidth	99% Occupied Bandwidth
	

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

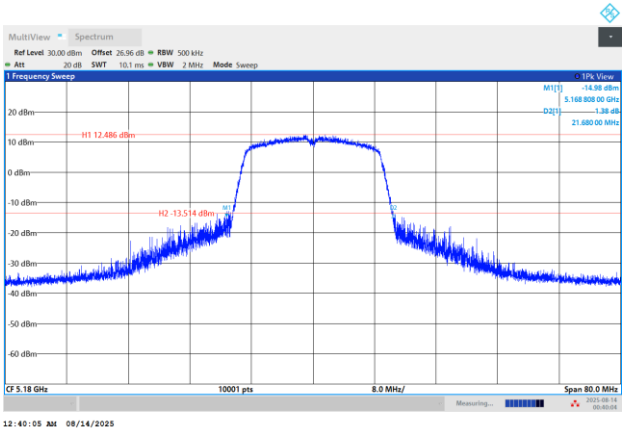
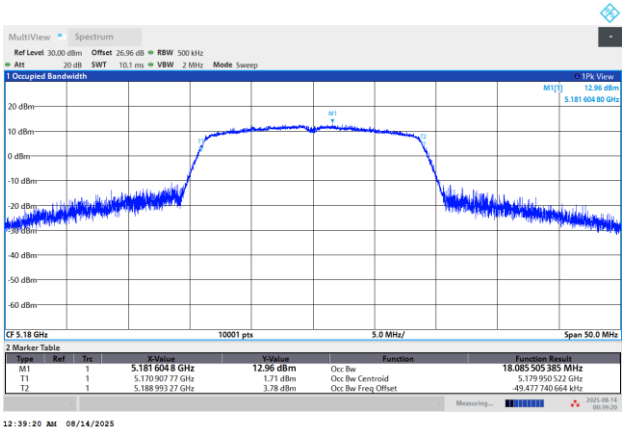
<Ant. 2>

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

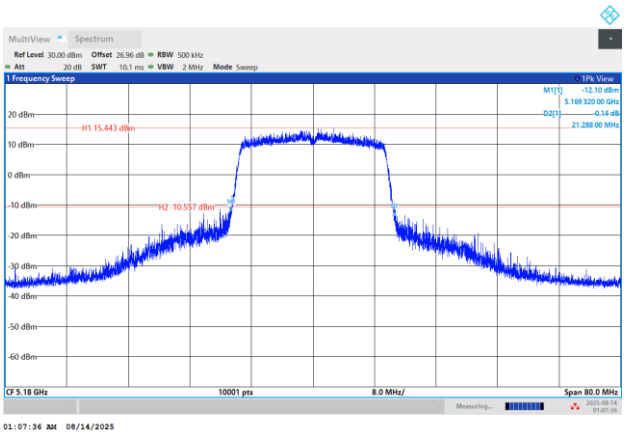
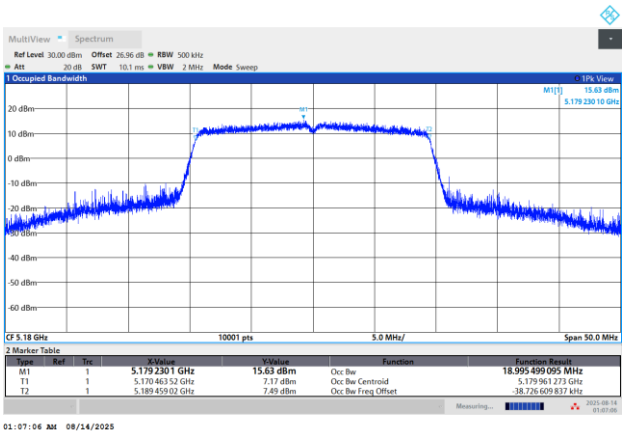
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<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.

<802.11ax HE20>

26dB Bandwidth	99% Occupied Bandwidth
	

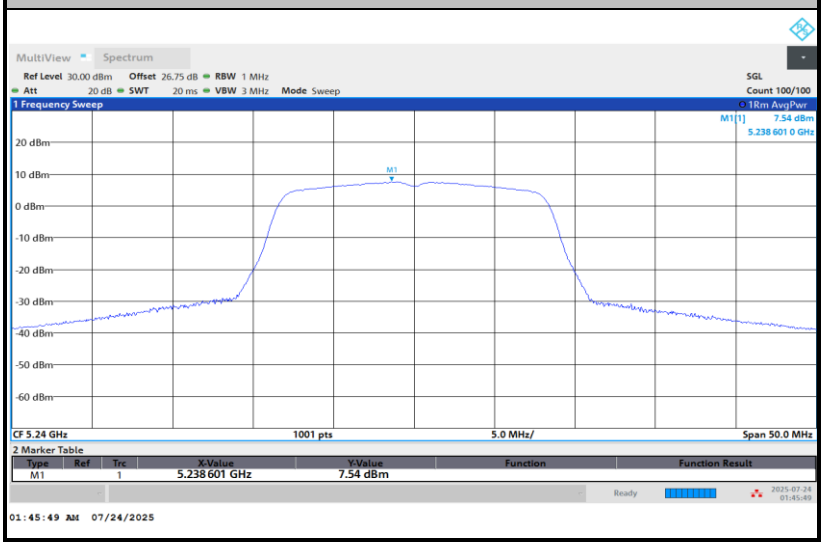
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

Test Result of Power Spectral Density

<Ant. 1>

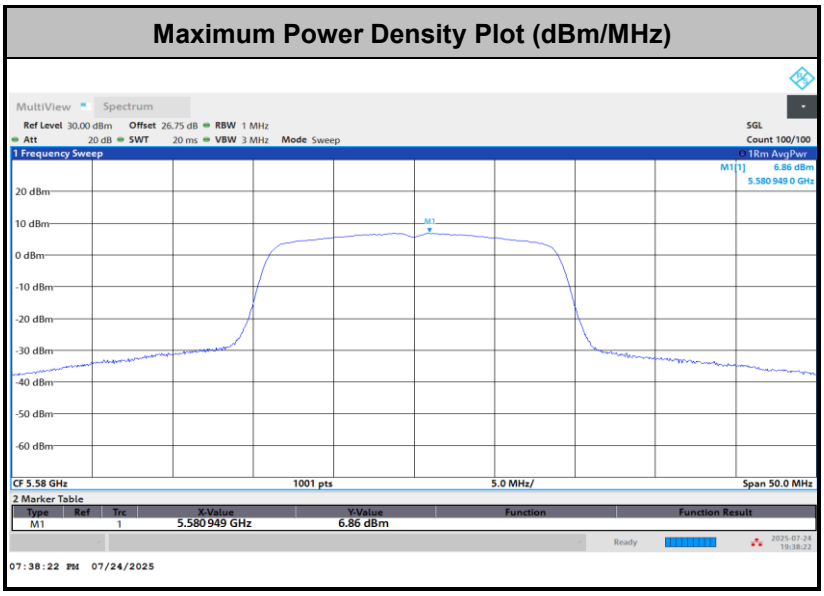
<802.11a>

Maximum Power Density Plot (dBm/MHz)



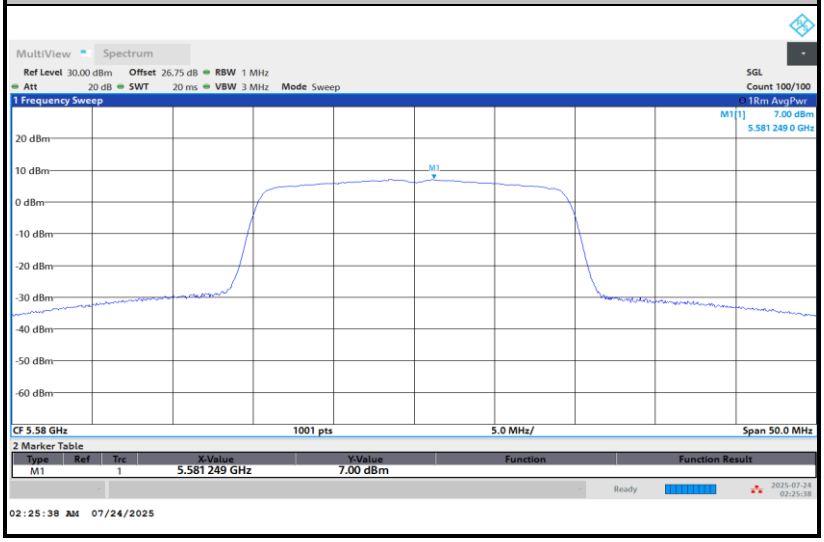
<802.11ac VHT20>

Maximum Power Density Plot (dBm/MHz)



<802.11ax HE20>

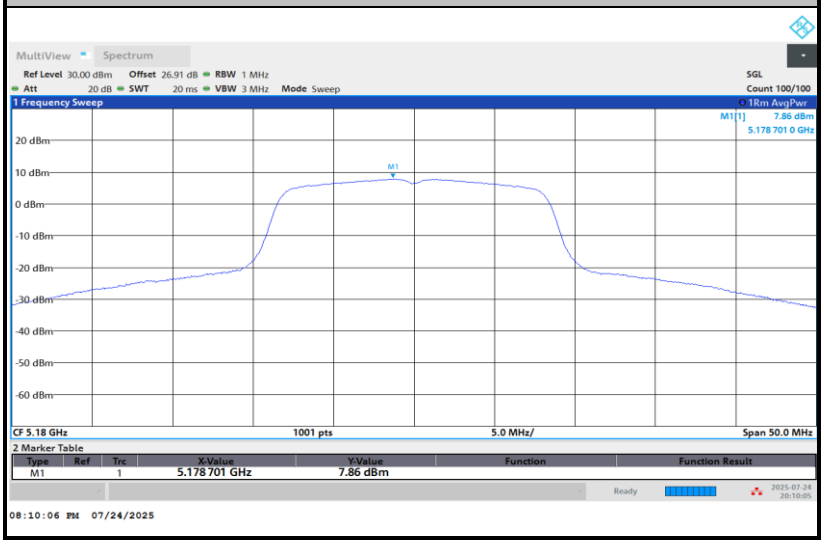
Maximum Power Density Plot (dBm/MHz)



<Ant. 2>

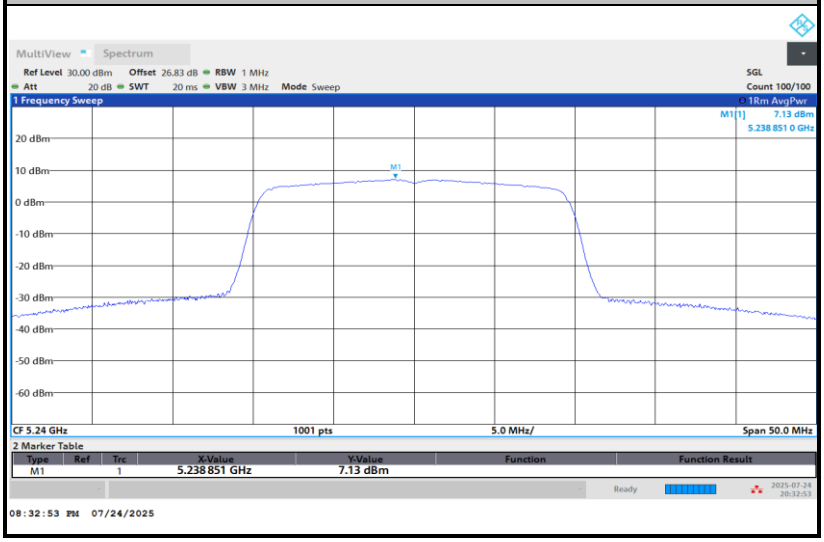
<802.11a>

Maximum Power Density Plot (dBm/MHz)



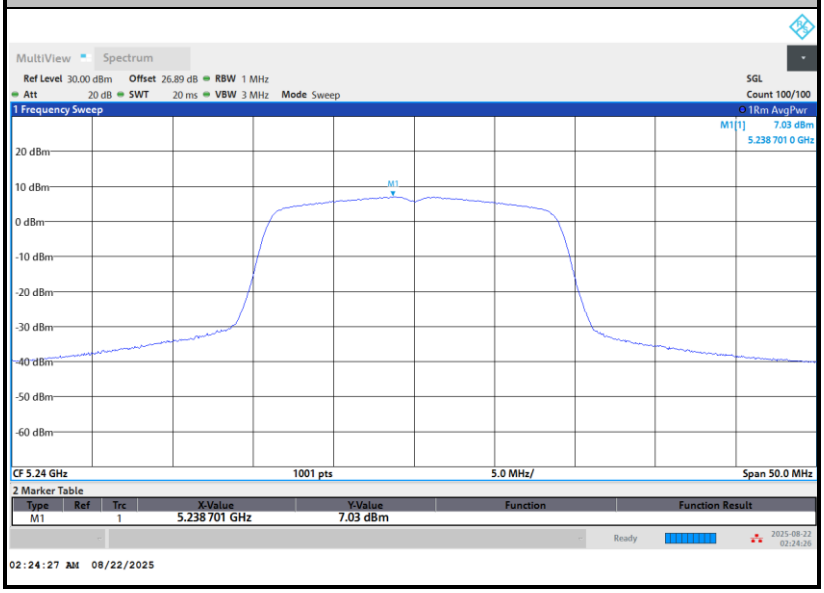
<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)



<802.11ac VHT20>

Maximum Power Density Plot (dBm/MHz)

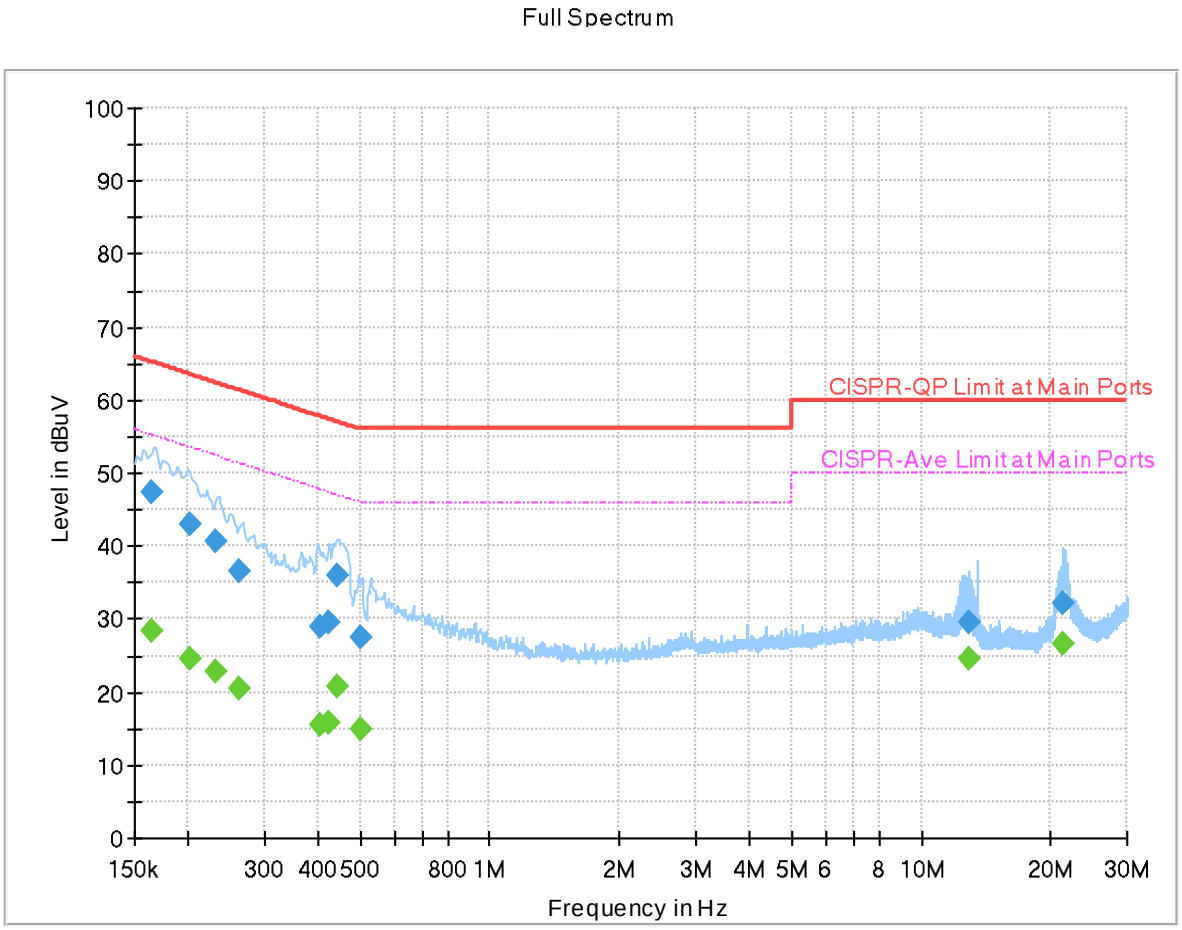


Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	23.3~25.6℃
		Relative Humidity :	42.3~48.7%

EUT Information

Report NO :	550659-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line



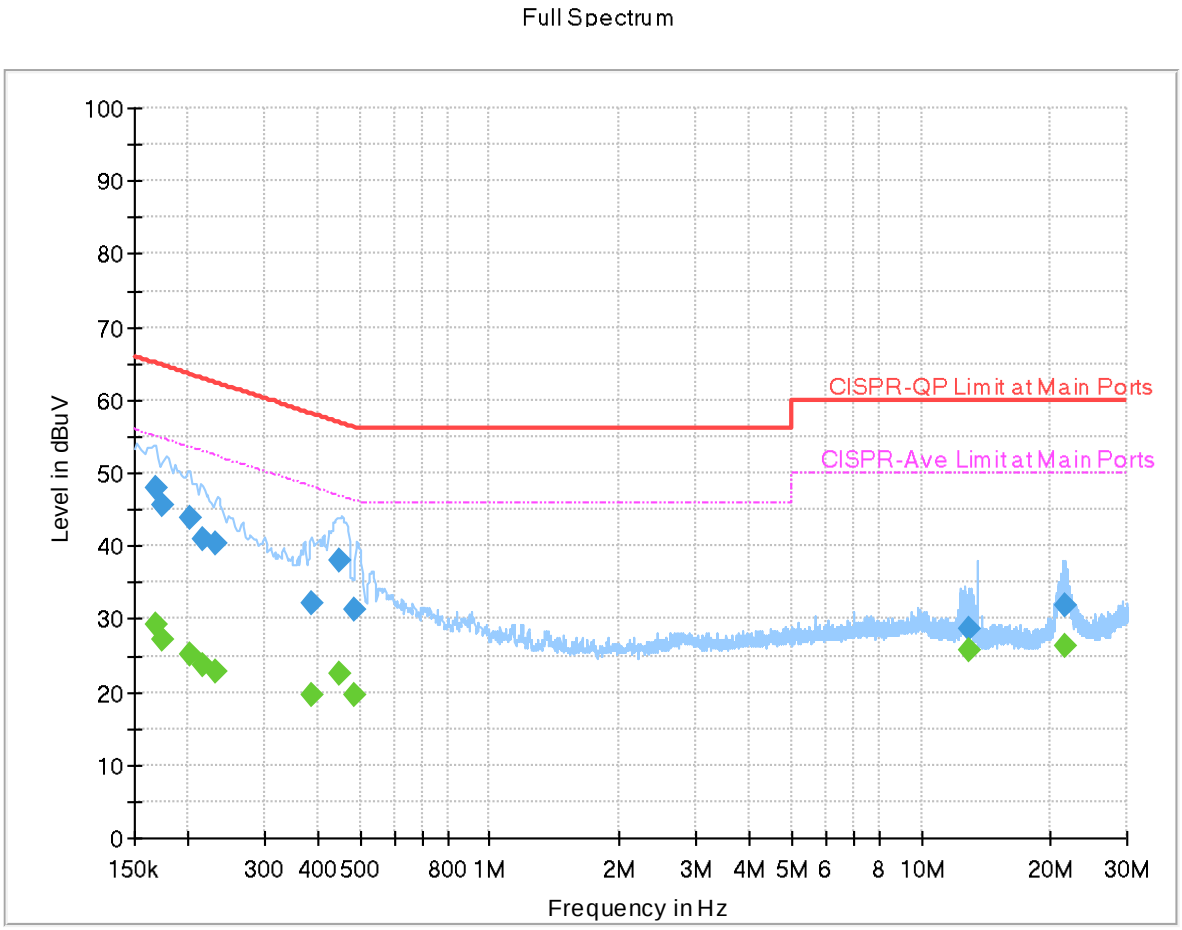
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.163500	---	28.49	55.28	26.79	L1	FLO	20.0
0.163500	47.38	---	65.28	17.90	L1	FLO	20.0
0.200670	---	24.63	53.58	28.95	L1	FLO	20.0
0.200670	42.93	---	63.58	20.65	L1	FLO	20.0
0.231450	---	22.73	52.40	29.67	L1	FLO	20.0
0.231450	40.54	---	62.40	21.86	L1	FLO	20.0
0.262500	---	20.46	51.35	30.89	L1	FLO	20.0
0.262500	36.61	---	61.35	24.74	L1	FLO	20.0
0.404250	---	15.39	47.77	32.38	L1	FLO	20.0
0.404250	28.92	---	57.77	28.85	L1	FLO	20.0
0.421980	---	15.68	47.41	31.73	L1	FLO	20.0
0.421980	29.67	---	57.41	27.74	L1	FLO	20.0
0.442500	---	20.71	47.02	26.31	L1	FLO	20.0
0.442500	36.11	---	57.02	20.91	L1	FLO	20.0
0.499920	---	14.96	46.00	31.04	L1	FLO	20.0
0.499920	27.56	---	56.00	28.44	L1	FLO	20.0
12.844500	---	24.43	50.00	25.57	L1	FLO	20.5
12.844500	29.52	---	60.00	30.48	L1	FLO	20.5
21.420690	---	26.60	50.00	23.40	L1	FLO	20.9

21.420690	**32.17**	**---**	**60.00**	**27.83**	**L1**	**FLO**	**20.9**

EUT Information

Report NO :	550659-01
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)
0.168810	---	29.11	55.02	25.91	N	FLO	20.0
0.168810	47.86	---	65.02	17.16	N	FLO	20.0
0.174750	---	27.18	54.73	27.55	N	FLO	20.0
0.174750	45.51	---	64.73	19.22	N	FLO	20.0
0.202380	---	25.21	53.51	28.30	N	FLO	20.0
0.202380	43.73	---	63.51	19.78	N	FLO	20.0
0.215700	---	23.55	52.98	29.43	N	FLO	20.0
0.215700	40.94	---	62.98	22.04	N	FLO	20.0
0.231000	---	22.92	52.41	29.49	N	FLO	20.0
0.231000	40.31	---	62.41	22.10	N	FLO	20.0
0.386340	---	19.70	48.14	28.44	N	FLO	20.0
0.386340	32.25	---	58.14	25.89	N	FLO	20.0
0.450060	---	22.64	46.87	24.23	N	FLO	20.0
0.450060	37.91	---	56.87	18.96	N	FLO	20.0
0.487500	---	19.58	46.21	26.63	N	FLO	20.0
0.487500	31.37	---	56.21	24.84	N	FLO	20.0
12.945120	---	25.78	50.00	24.22	N	FLO	20.5
12.945120	28.70	---	60.00	31.30	N	FLO	20.5
21.518700	---	26.18	50.00	23.82	N	FLO	20.9

21.518700	**31.76**	**---**	**60.00**	**28.24**	**N**	**FLO**	**20.9**

Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	Leo Li, Karl Hou, and Lucifer Jiang.	**Temperature :**	21.7~22.5°C
		Relative Humidity :	51.0~57.0%

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	802.11a	36	5180	6Mbps	-	-
Mode 2	U-NII-1	5.15-5.25	1	802.11a	44	5220	6Mbps	-	-
Mode 3	U-NII-1	5.15-5.25	1	802.11a	48	5240	6Mbps	-	-
Mode 4	U-NII-1	5.15-5.25	1	802.11ax HE20	36	5180	MCS0	Full RU	-
Mode 5	U-NII-1	5.15-5.25	1	802.11ax HE20	44	5220	MCS0	Full RU	-
Mode 6	U-NII-1	5.15-5.25	1	802.11ax HE20	48	5240	MCS0	Full RU	-
Mode 7	U-NII-1	5.15-5.25	1	802.11ax HE20	36	5180	MCS0	Partial RU106/53	-
Mode 8	U-NII-2A	5.25-5.35	1	802.11a	52	5260	6Mbps	-	-
Mode 9	U-NII-2A	5.25-5.35	1	802.11a	60	5300	6Mbps	-	-
Mode 10	U-NII-2A	5.25-5.35	1	802.11a	64	5320	6Mbps	-	-
Mode 11	U-NII-2A	5.25-5.35	1	802.11ax HE20	52	5260	MCS0	Full RU	-
Mode 12	U-NII-2A	5.25-5.35	1	802.11ax HE20	60	5300	MCS0	Full RU	-
Mode 13	U-NII-2A	5.25-5.35	1	802.11ax HE20	64	5320	MCS0	Full RU	-
Mode 14	U-NII-2A	5.25-5.35	1	802.11ax HE20	64	5320	MCS0	Partial RU106/54	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 15	U-NII-2C	5.47-5.725	1	802.11a	100	5500	6Mbps	-	-
Mode 16	U-NII-2C	5.47-5.725	1	802.11a	116	5580	6Mbps	-	-
Mode 17	U-NII-2C	5.47-5.725	1	802.11a	140	5700	6Mbps	-	-
Mode 18	U-NII-2C	5.47-5.725	1	802.11ax HE20	100	5500	MCS0	Full RU	-
Mode 19	U-NII-2C	5.47-5.725	1	802.11ax HE20	116	5580	MCS0	Full RU	-
Mode 20	U-NII-2C	5.47-5.725	1	802.11ax HE20	140	5700	MCS0	Full RU	-
Mode 21	U-NII-2C	5.47-5.725	1	802.11ax HE20	100	5500	MCS0	Partial RU106/53	-
Mode 22	U-NII-2C	5.47-5.725	1	802.11a	144	5720	6Mbps	-	-
Mode 23	U-NII-2C	5.47-5.725	1	802.11ax HE20	144	5720	MCS0	-	-
Mode 24	U-NII-2C	5.47-5.725	1	802.11ax HE20	116	5580	MCS0	Full RU	LF
Mode 65	U-NII-2A	5.25-5.35	1	802.11ac VHT20	64	5320	MCS0	-	-

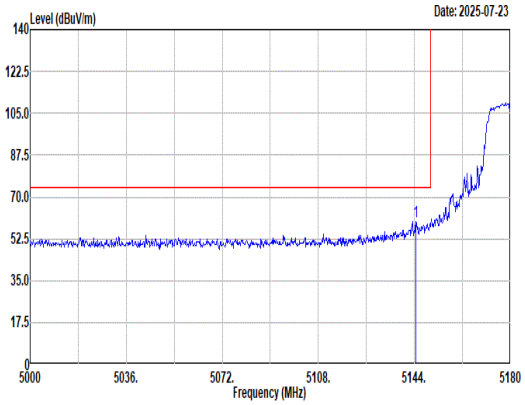
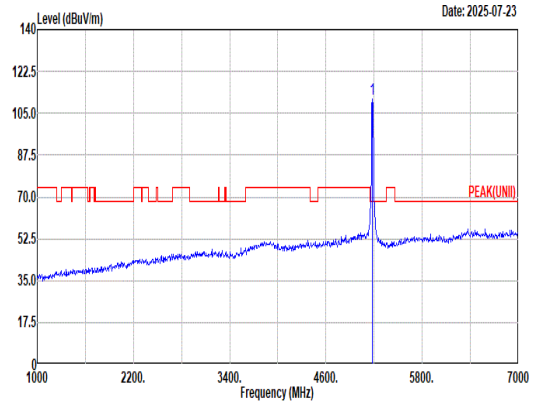
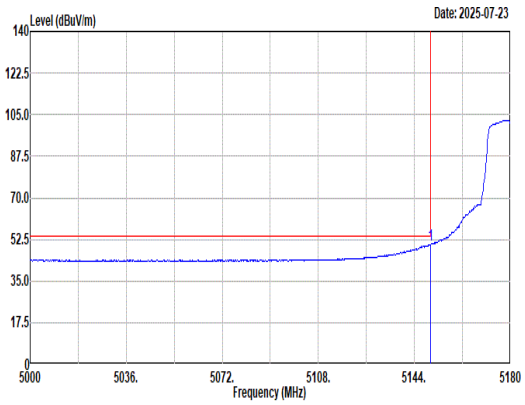
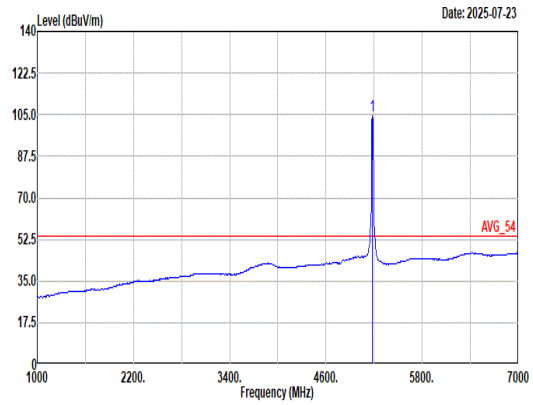
C1-2. Summary of each worse mode

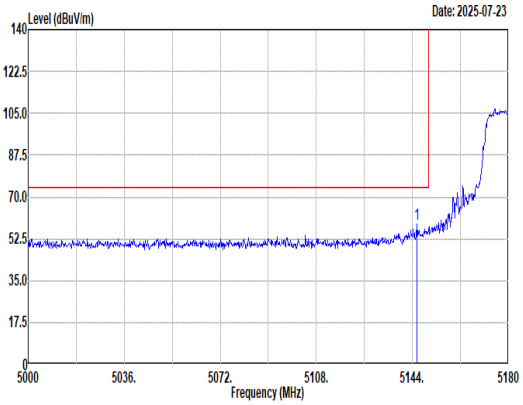
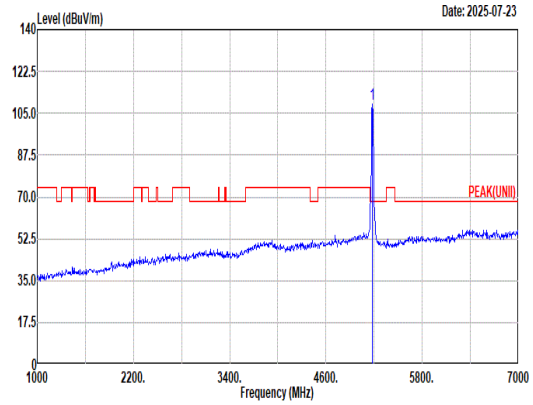
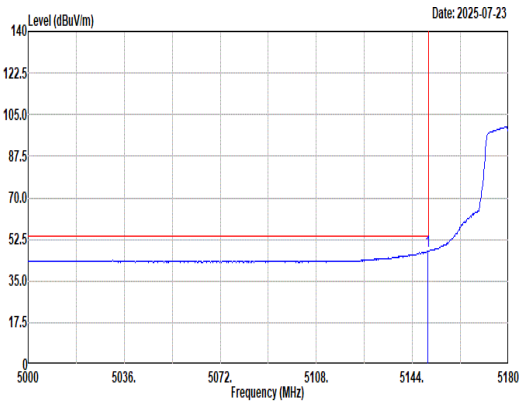
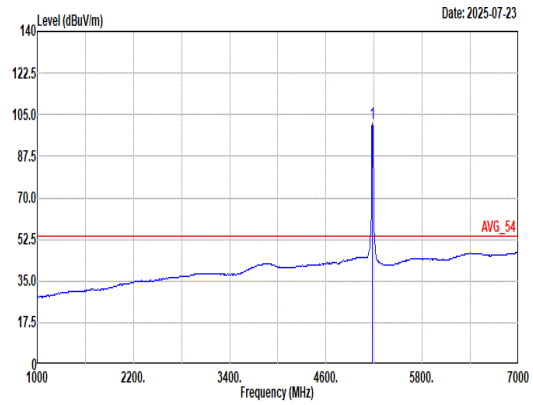
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
1	802.11a	36	5149.94	50.34	54.00	-3.66	H	Avg.	Pass	-	Band Edge
	802.11a	36	8298.00	49.39	54.00	-4.61	H	Avg.	Pass	-	Harmonic
2	802.11a	44	5142.12	43.94	54.00	-10.06	H	Avg.	Pass	-	Band Edge
	802.11a	44	8353.00	50.41	54.00	-3.59	H	Avg.	Pass	-	Harmonic
3	802.11a	48	5006.24	43.47	54.00	-10.53	V	Avg.	Pass	-	Band Edge
	802.11a	48	8386.00	50.36	54.00	-3.64	H	Avg.	Pass	-	Harmonic

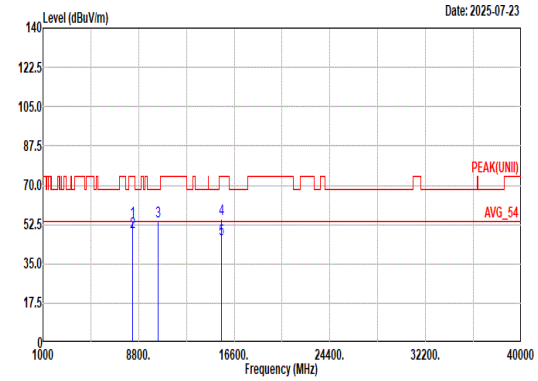
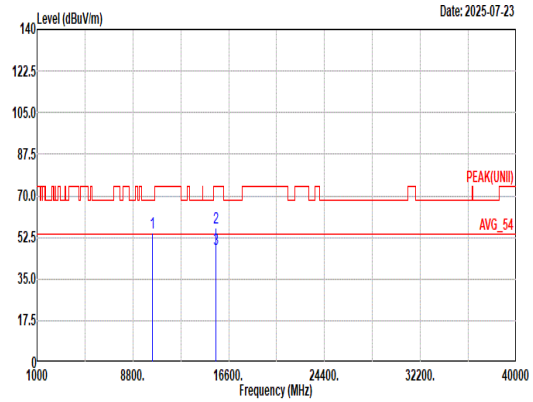
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
4	802.11ax HE20	36	5149.40	50.53	54.00	-3.47	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	36	8298.00	50.29	54.00	-3.71	H	Avg.	Pass	Full RU	Harmonic
5	802.11ax HE20	44	5050.38	44.13	54.00	-9.87	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	44	8352.00	50.14	54.00	-3.86	V	Avg.	Pass	Full RU	Harmonic
6	802.11ax HE20	48	5030.72	44.00	54.00	-10.00	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	48	8384.00	49.47	54.00	-4.53	V	Avg.	Pass	Full RU	Harmonic
7	802.11ax HE20	36	5148.32	50.09	54.00	-3.91	H	Avg.	Pass	Partial RU106/53	Band Edge
	802.11ax HE20	36	-	-	-	-	-	-	-	Partial RU106/53	Harmonic
8	802.11a	52	5013.78	43.66	54.00	-10.34	H	Avg.	Pass	-	Band Edge
	802.11a	52	8416.00	49.22	54.00	-4.78	H	Avg.	Pass	-	Harmonic
9	802.11a	60	5018.30	43.55	54.00	-10.45	V	Avg.	Pass	-	Band Edge
	802.11a	60	8485.00	49.78	54.00	-4.22	H	Avg.	Pass	-	Harmonic
10	802.11a	64	5350.10	49.51	54.00	-4.49	H	Avg.	Pass	-	Band Edge
	802.11a	64	10640.00	49.92	54.00	-4.08	V	Avg.	Pass	-	Harmonic
11	802.11ax HE20	52	5000.78	43.71	54.00	-10.29	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	52	8416.00	49.31	54.00	-4.69	H	Avg.	Pass	Full RU	Harmonic
12	802.11ax HE20	60	5003.60	43.78	54.00	-10.22	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	60	10600.00	49.15	54.00	-4.85	H	Avg.	Pass	Full RU	Harmonic

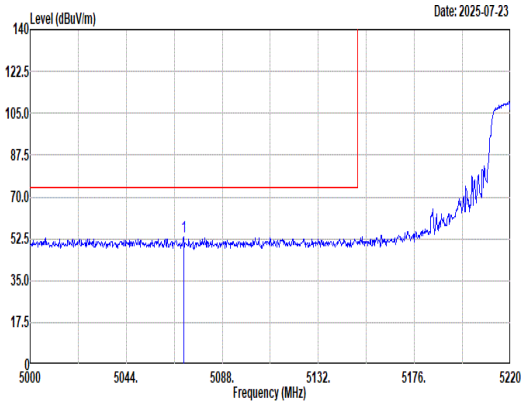
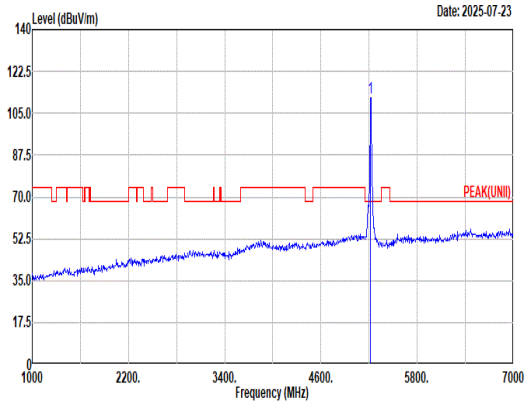
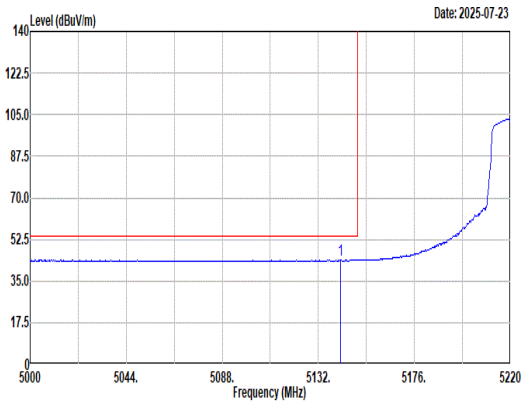
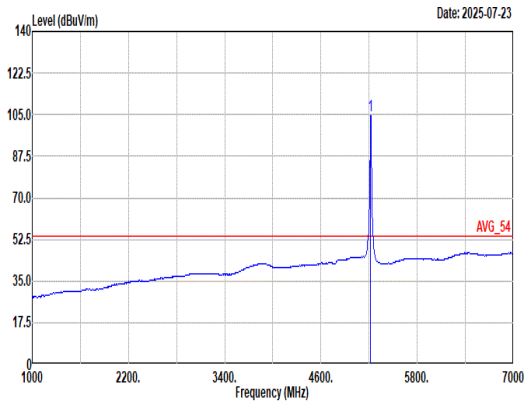
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
13	802.11ax HE20	64	5351.64	50.69	54.00	-3.31	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	64	10640.00	48.78	54.00	-5.22	V	Avg.	Pass	Full RU	Harmonic
14	802.11ax HE20	64	5350.24	48.93	54.00	-5.07	H	Avg.	Pass	Partial RU106/54	Band Edge
	802.11ax HE20	64	-	-	-	-	-	-	-	Partial RU106/54	Harmonic
15	802.11a	100	5463.70	59.49	68.20	-8.71	H	Peak	Pass	-	Band Edge
	802.11a	100	11000.00	50.80	54.00	-3.20	V	Avg.	Pass	-	Harmonic
16	802.11a	116	5459.48	41.91	54.00	-12.09	H	Avg.	Pass	-	Band Edge
	802.11a	116	11160.00	50.76	54.00	-3.24	V	Avg.	Pass	-	Harmonic
17	802.11a	140	5727.50	63.36	68.20	-4.84	H	Peak	Pass	-	Band Edge
	802.11a	140	11400.00	47.65	54.00	-6.35	V	Avg.	Pass	-	Harmonic
18	802.11ax HE20	100	5468.50	64.06	68.20	-4.14	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	100	11000.00	50.89	54.00	-3.11	V	Avg.	Pass	Full RU	Harmonic
19	802.11ax HE20	116	5438.78	42.30	54.00	-11.70	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	116	11160.00	50.89	54.00	-3.11	V	Avg.	Pass	Full RU	Harmonic
20	802.11ax HE20	140	5735.17	63.93	68.20	-4.27	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	140	11400.00	46.60	54.00	-7.40	V	Avg.	Pass	Full RU	Harmonic

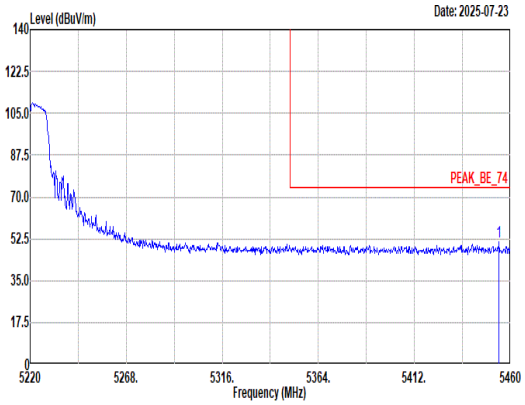
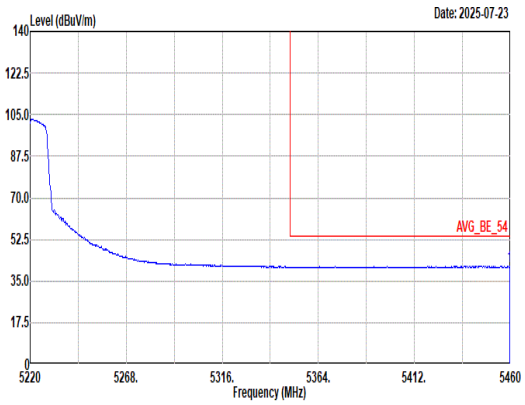
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
21	802.11ax HE20	100	5466.40	62.25	68.20	-5.95	H	Peak	Pass	Partial RU106/53	Band Edge
	802.11ax HE20	100	-	-	-	-	-	-	-	Partial RU106/53	Harmonic
22	802.11a	144	5438.14	41.51	54.00	-12.49	H	Avg.	Pass	-	Band Edge
	802.11a	144	11440.00	48.22	54.00	-5.78	V	Avg.	Pass	-	Harmonic
23	802.11ax HE20	144	5447.50	41.37	54.00	-12.63	H	Avg.	Pass	-	Band Edge
	802.11ax HE20	144	11440.00	47.71	54.00	-6.29	V	Avg.	Pass	-	Harmonic
24	LF	116	34.85	30.69	40.00	-9.31	V	Peak	Pass	-	LF
65	802.11ac VHT20	64	5350.10	47.54	54.00	-6.46	H	Avg.	Pass	-	Band Edge
	802.11ac VHT20	64	10640.00	47.83	54.00	-6.17	V	Avg.	Pass	-	Harmonic

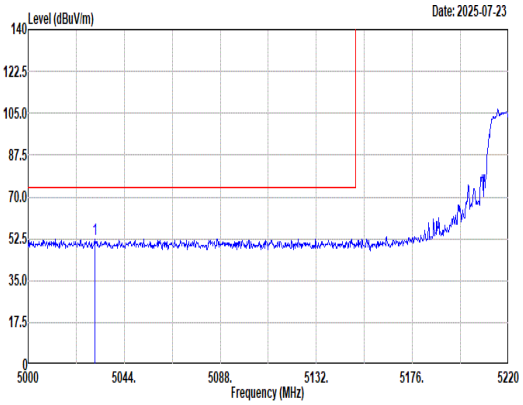
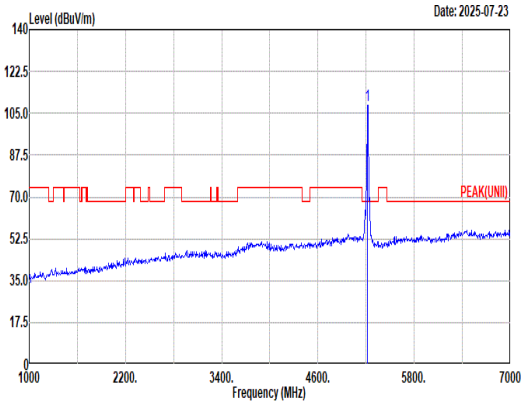
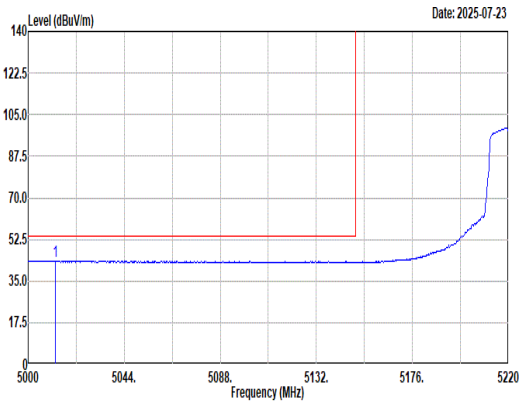
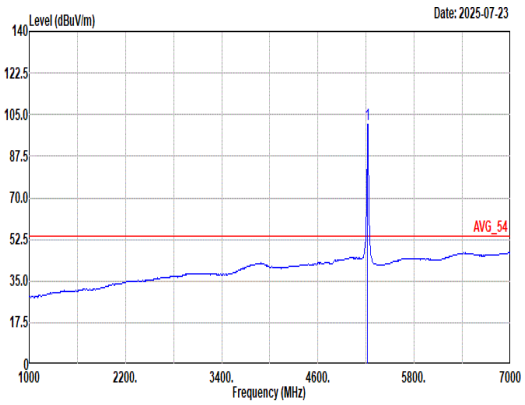
Mode	1	
	Band Edge	
	U-NII-1_5.15-5.25_802.11a_CH36_5180MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5144.54 59.68 74.00 -14.32 46.06 32.90 10.56 33.55 3.71 100 118 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 5180.00 111.03 ------ ------ 97.53 32.84 10.59 33.65 3.72 100 118 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 5149.94 50.34 54.00 -3.66 36.73 32.90 10.56 33.56 3.71 100 118 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 5180.00 104.37 ------ ------ 90.85 32.85 10.58 33.63 3.72 100 118 Average

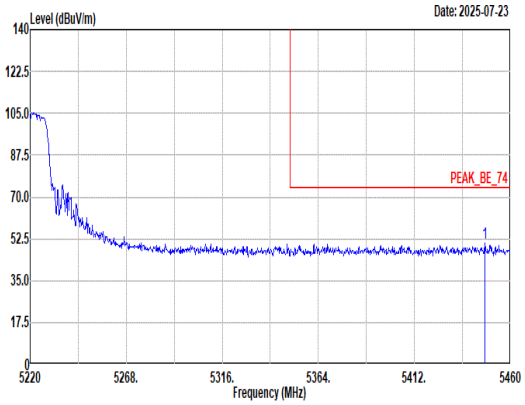
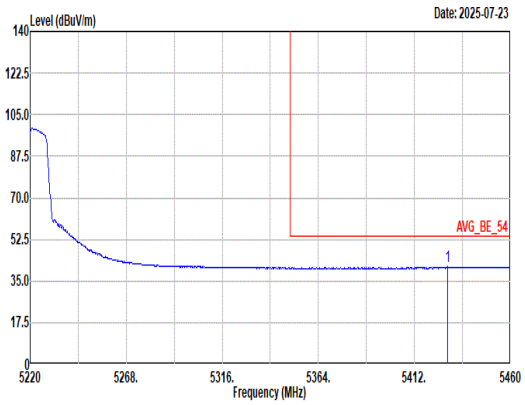
Mode	1	
	Band Edge	
	U-NII-1_5.15-5.25_802.11a_CH36_5180MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5145.80 58.62 74.00 -15.38 45.00 32.90 10.56 33.55 3.71 102 87 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 5180.00 108.77 ------ ------ 95.25 32.85 10.58 33.63 3.72 102 87 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 47.39 54.00 -6.61 33.78 32.90 10.56 33.56 3.71 102 87 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 5180.00 101.37 ------ ------ 87.85 32.85 10.58 33.63 3.72 102 87 Average

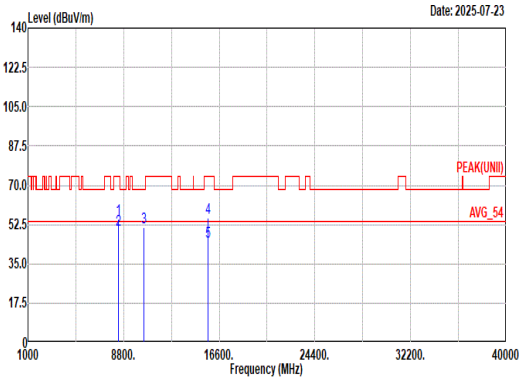
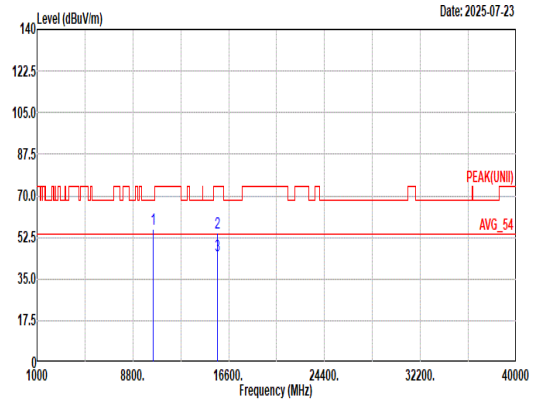
Mode	1	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH36_5180MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL 1 8298.00 54.08 74.00 -19.92 38.23 37.10 13.50 36.83 2.08 100 83 Peak 2 8298.00 49.39 54.00 -4.61 33.54 37.10 13.50 36.83 2.08 100 83 Average 3 10360.00 53.66 68.20 -14.54 37.93 37.66 14.88 39.04 2.23 100 209 Peak 4 15540.00 54.82 74.00 -19.18 38.12 41.00 18.34 45.17 2.53 -- -- Peak 5 15540.00 45.80 54.00 -8.20 29.10 41.00 18.34 45.17 2.53 -- -- Average	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL 1 10360.00 54.61 68.20 -13.59 38.88 37.66 14.88 39.04 2.23 107 222 Peak 2 15540.00 56.60 74.00 -17.40 39.90 41.00 18.34 45.17 2.53 100 207 Peak 3 15540.00 47.40 54.00 -6.60 30.70 41.00 18.34 45.17 2.53 100 207 Average

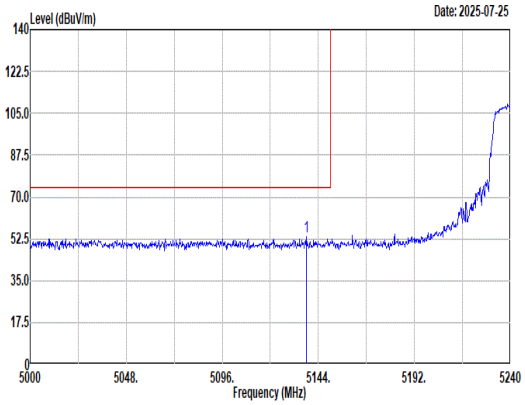
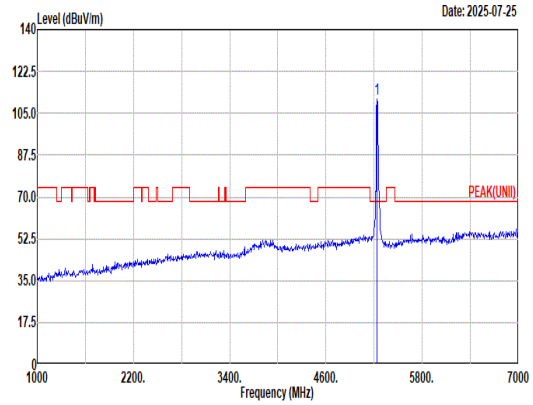
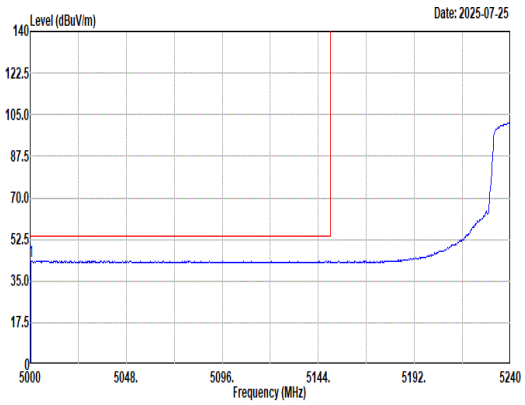
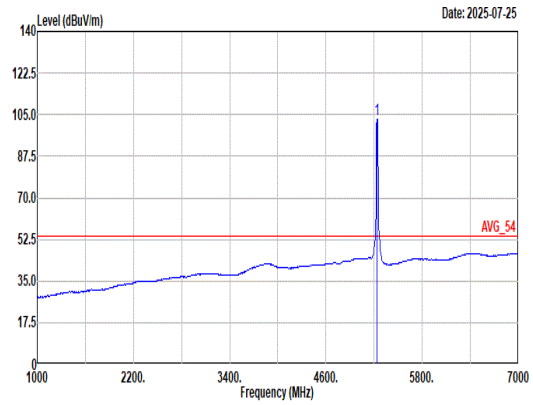
Mode	2	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5070.40 53.24 74.00 -20.76 39.53 32.90 10.50 33.37 3.68 104 116 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5220.00 111.54 ------ ------ 98.17 32.76 10.62 33.74 3.73 104 116 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto 1 5142.12 43.94 54.00 -10.06 30.32 32.90 10.56 33.55 3.71 104 116 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto 1 5220.00 104.71 ------ ------ 91.34 32.75 10.63 33.75 3.74 104 116 Average

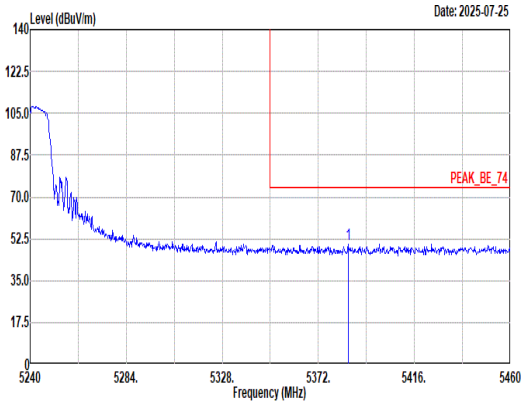
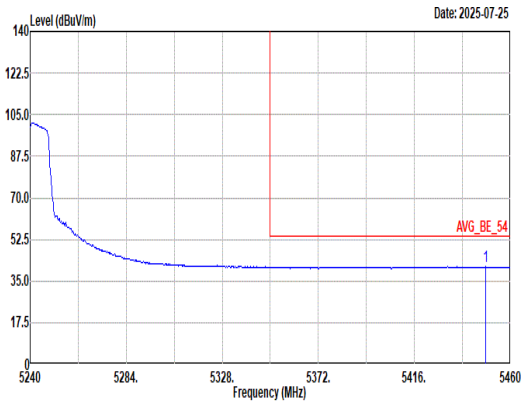
Mode	2	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5454.24 51.05 74.00 -22.95 37.96 32.71 10.90 34.33 3.81 104 116 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 5459.76 41.20 54.00 -12.80 28.09 32.72 10.91 34.34 3.82 104 116 Average	Blank

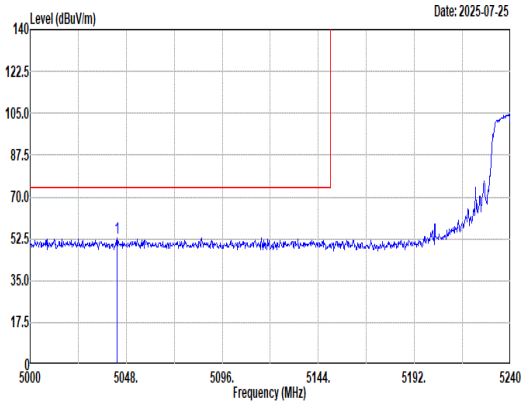
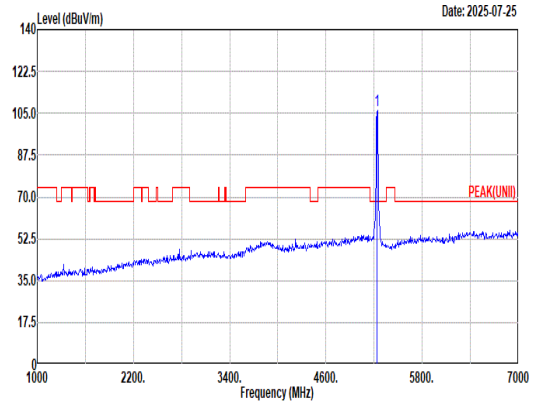
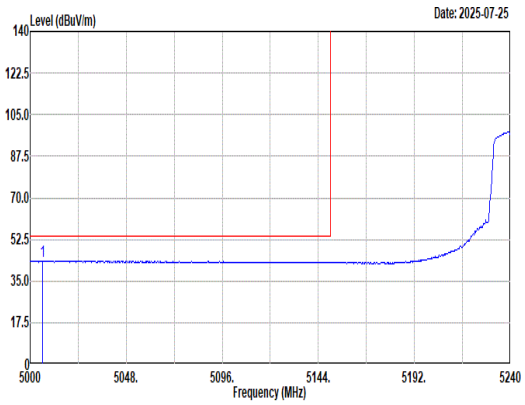
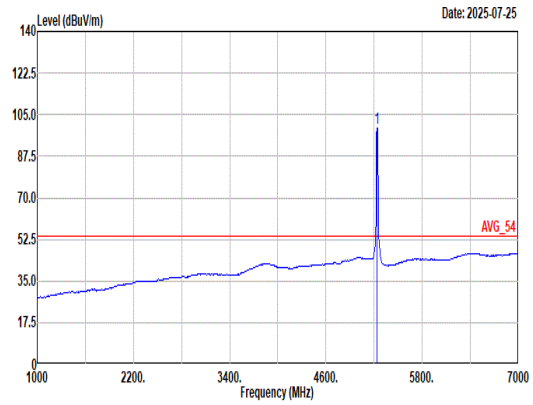
Mode	2	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5030.58 52.55 74.00 -21.45 38.75 32.94 10.47 33.27 3.66 100 85 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5220.00 108.50 ------ ------ 95.13 32.76 10.62 33.74 3.73 100 85 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto 1 5012.54 43.56 54.00 -10.44 29.69 32.97 10.46 33.22 3.66 100 85 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto 1 5220.00 100.80 ------ ------ 87.43 32.76 10.62 33.74 3.73 100 85 Average

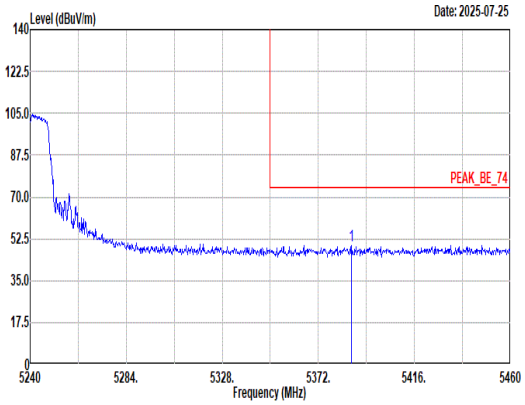
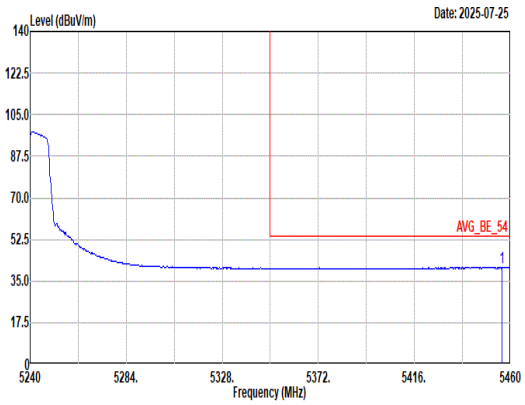
Mode	2	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5447.04 50.51 74.00 -23.49 37.43 32.69 10.89 34.31 3.81 100 85 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 5428.56 40.98 54.00 -13.02 27.92 32.66 10.86 34.26 3.80 100 85 Average	Blank

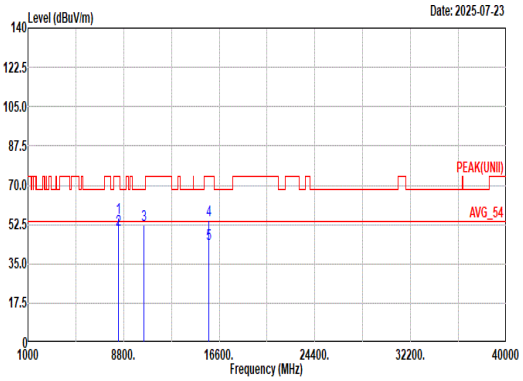
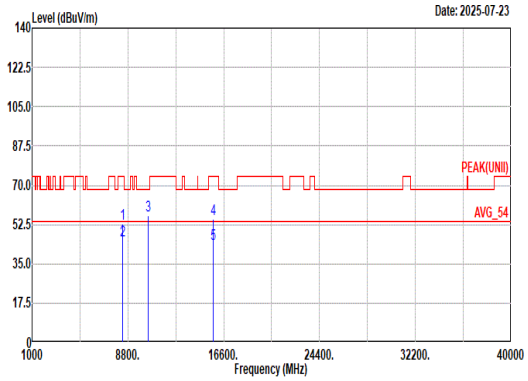
Mode	2	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL 1 8353.00 54.91 74.00 -19.09 39.01 37.11 13.53 36.84 2.10 111 344 Peak 2 8353.00 50.41 54.00 -3.59 34.51 37.11 13.53 36.84 2.10 111 344 Average 3 10440.00 51.49 68.20 -16.71 36.03 37.42 14.94 39.13 2.23 -- -- Peak 4 15660.00 55.32 74.00 -18.68 38.79 40.88 18.41 45.29 2.53 -- -- Peak 5 15660.00 44.79 54.00 -9.21 28.26 40.88 18.41 45.29 2.53 -- -- Average	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL 1 10440.00 56.00 68.20 -12.20 40.54 37.42 14.94 39.13 2.23 100 221 Peak 2 15660.00 54.45 74.00 -19.55 37.92 40.88 18.41 45.29 2.53 -- -- Peak 3 15660.00 45.10 54.00 -8.90 28.57 40.88 18.41 45.29 2.53 -- -- Average

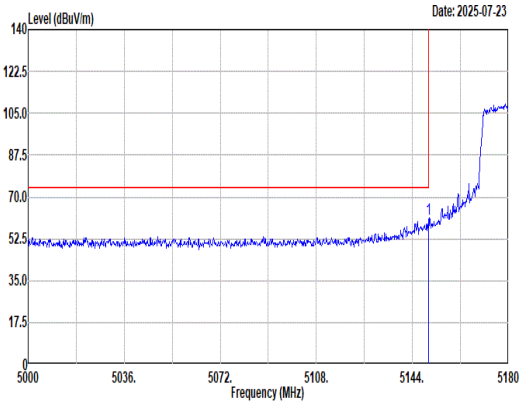
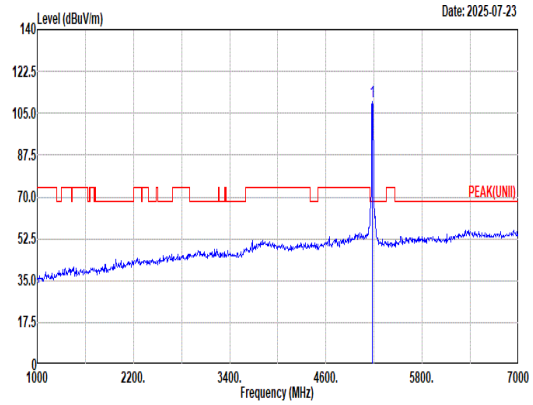
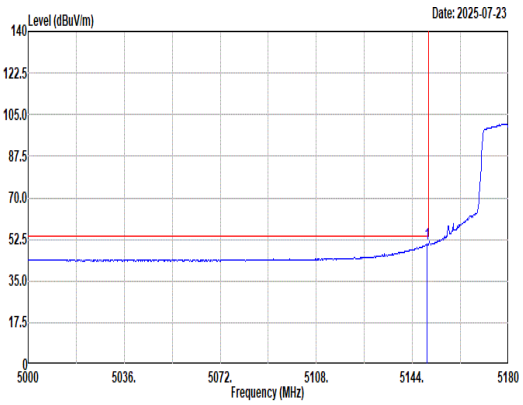
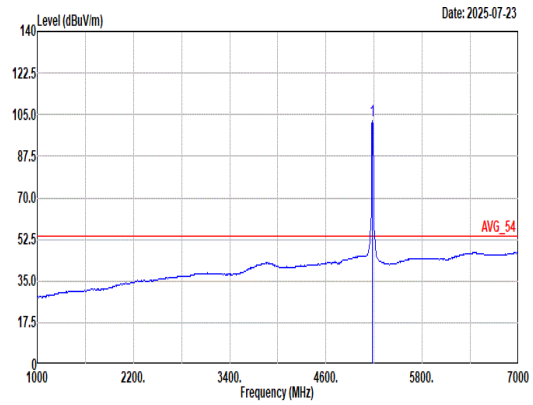
Mode	3	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5138.00 53.44 74.00 -20.56 39.81 32.90 10.55 33.53 3.71 271 204 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 5240.00 110.79 ------ ------ 97.46 32.73 10.64 33.78 3.74 271 204 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 5000.24 43.36 54.00 -10.64 29.45 33.00 10.45 33.19 3.65 271 204 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 5240.00 103.03 ------ ------ 89.70 32.73 10.64 33.78 3.74 271 204 Average

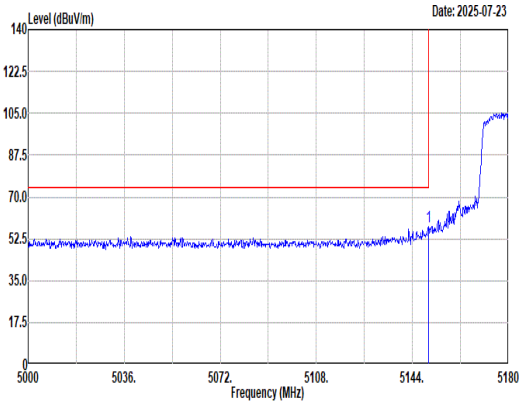
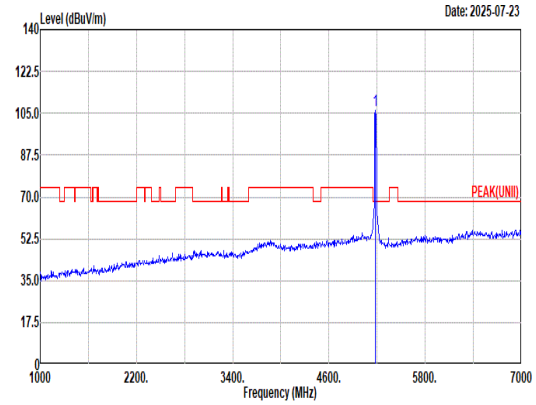
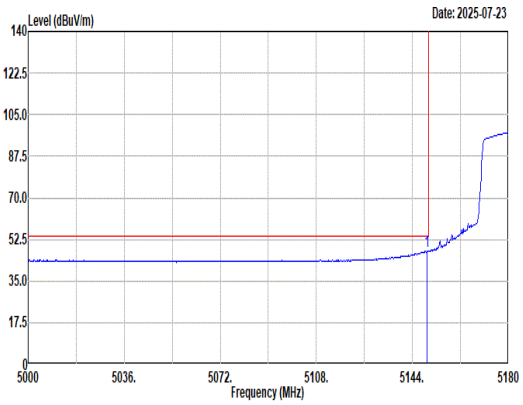
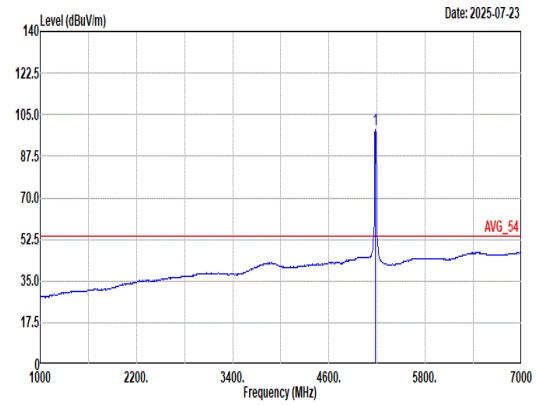
Mode	3	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5385.86 50.11 74.00 -23.89 37.11 32.57 10.80 34.15 3.78 271 204 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 5448.56 41.02 54.00 -12.98 27.93 32.70 10.89 34.31 3.81 271 204 Average	Blank

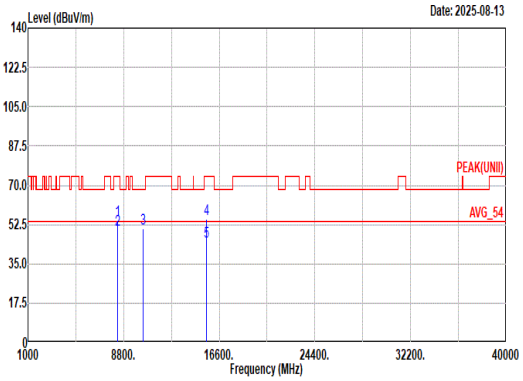
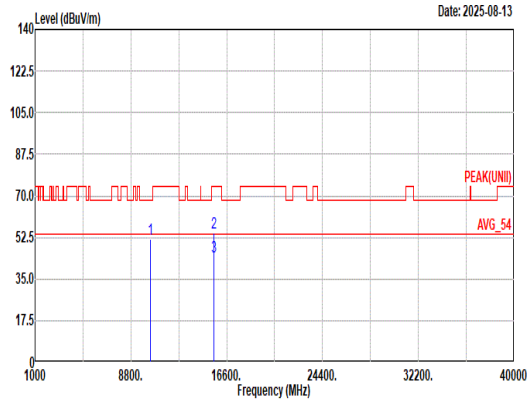
Mode	3	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5043.44 52.92 74.00 -21.08 39.16 32.91 10.48 33.30 3.67 100 95 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5240.00 106.37 ------ ------ 93.06 32.72 10.64 33.79 3.74 100 95 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto 1 5006.24 43.47 54.00 -10.53 29.59 32.99 10.45 33.21 3.65 100 95 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto 1 5240.00 99.38 ------ ------ 86.05 32.73 10.64 33.78 3.74 100 95 Average

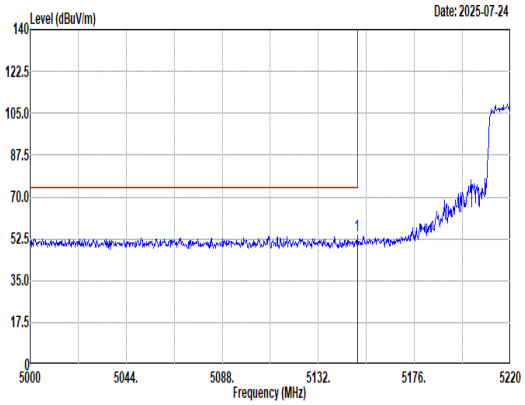
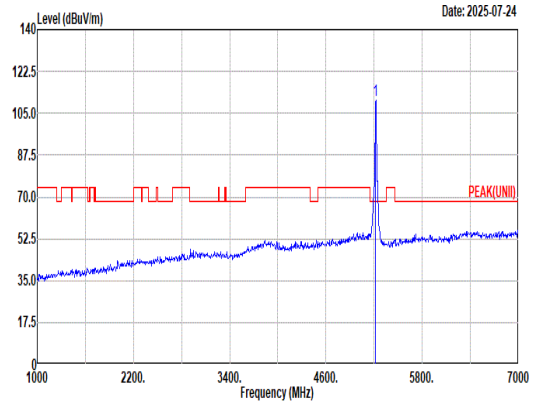
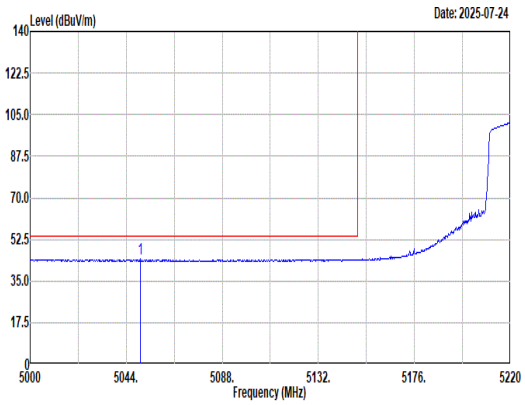
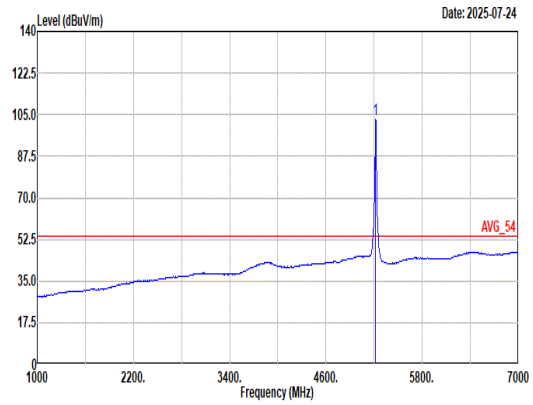
Mode	3	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5387.18 49.88 74.00 -24.12 36.89 32.57 10.80 34.16 3.78 100 95 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 5456.26 40.73 54.00 -13.27 27.63 32.71 10.91 34.33 3.81 100 95 Average	Blank

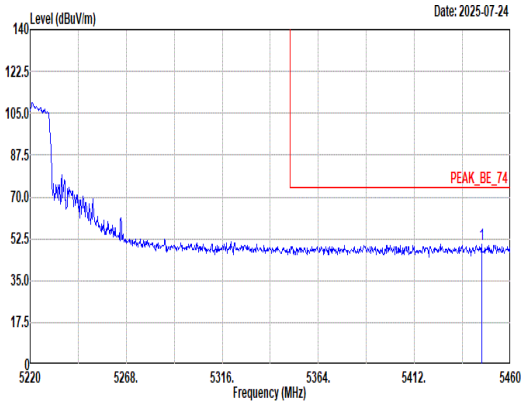
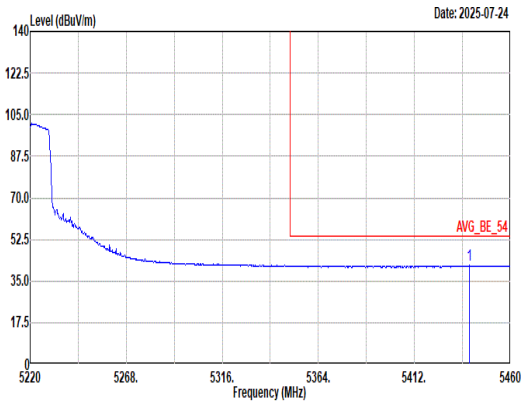
Mode	3	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 8386.00 55.39 74.00 -18.61 39.41 37.17 13.54 36.85 2.12 291 350 Peak 2 8386.00 50.36 54.00 -3.64 34.38 37.17 13.54 36.85 2.12 291 350 Average 3 10480.00 52.55 68.20 -15.65 37.07 37.46 14.97 39.18 2.23 -- -- Peak 4 15720.00 54.23 74.00 -19.77 37.77 40.84 18.44 45.35 2.53 -- -- Peak 5 15720.00 44.05 54.00 -9.95 27.59 40.84 18.44 45.35 2.53 -- -- 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 8386.00 52.85 74.00 -21.15 36.87 37.17 13.54 36.85 2.12 390 7 Peak 2 8386.00 45.62 54.00 -8.38 29.64 37.17 13.54 36.85 2.12 390 7 Average 3 10480.00 56.56 68.20 -11.64 41.08 37.46 14.97 39.18 2.23 -- -- Peak 4 15720.00 55.05 74.00 -18.95 38.59 40.84 18.44 45.35 2.53 -- -- Peak 5 15720.00 43.91 54.00 -10.09 27.45 40.84 18.44 45.35 2.53 -- -- Average

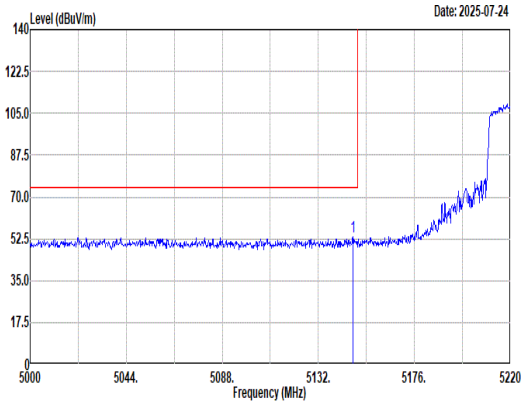
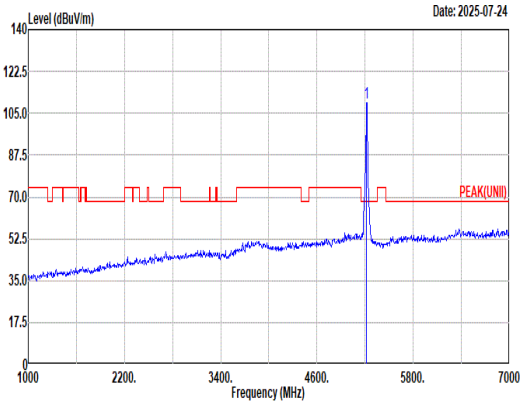
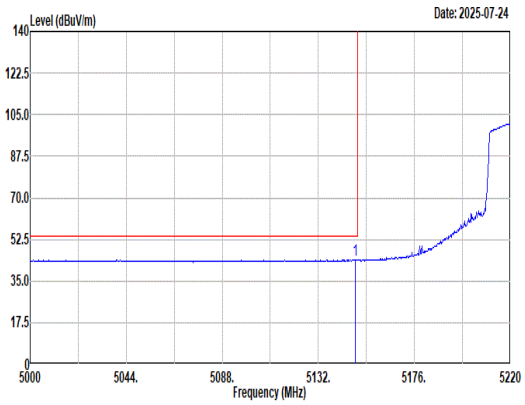
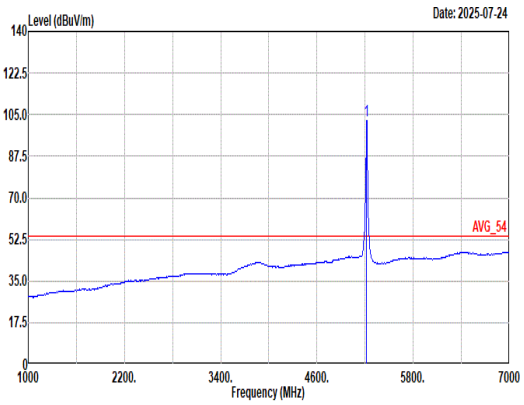
Mode	4	
	Band Edge	
	U-NII-1_5.15-5.25_802.11ax HE20_CH36_Full RU_5180MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5149.94 60.57 74.00 -13.43 46.96 32.90 10.56 33.56 3.71 101 121 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 5180.00 110.11 ------ ------ 96.59 32.85 10.58 33.63 3.72 101 121 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz 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 50.53 54.00 -3.47 36.92 32.90 10.56 33.56 3.71 101 121 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz 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 5180.00 102.62 ------ ------ 89.10 32.85 10.58 33.63 3.72 101 121 Average

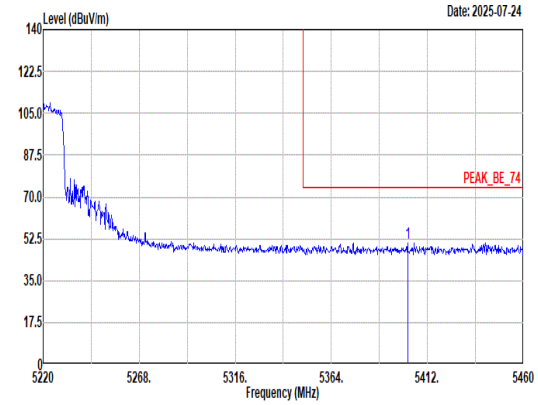
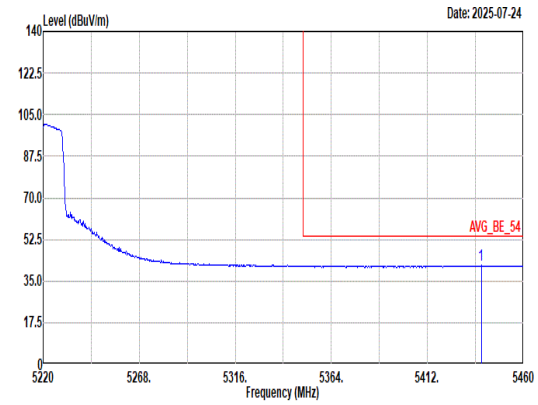
Mode	4	
	Band Edge	
	U-NII-1_5.15-5.25_802.11ax HE20_CH36_Full RU_5180MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5149.94 57.47 74.00 -16.53 43.86 32.90 10.56 33.56 3.71 300 260 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 5180.00 105.95 ------ ------ 92.45 32.84 10.59 33.65 3.72 300 260 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:1.000kHz 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 47.64 54.00 -6.36 34.03 32.90 10.56 33.56 3.71 300 260 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:1.000kHz 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 98.94 ------ ------ 85.42 32.85 10.58 33.63 3.72 300 260 Average

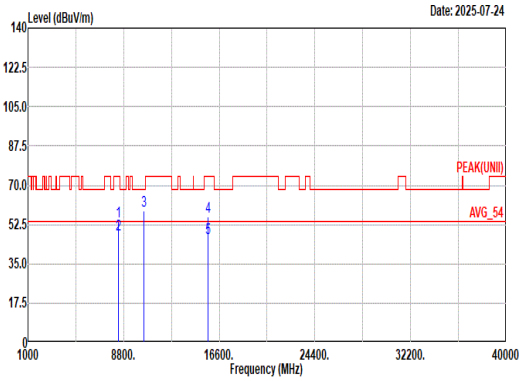
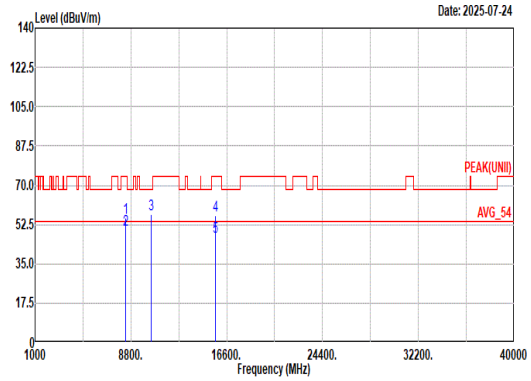
Mode	4	
	Harmonic	
	U-NII-1_5.15-5.25_802.11ax HE20_CH36_Full RU_5180MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 8298.00 54.60 74.00 -19.40 38.78 37.10 13.50 36.83 2.05 319 30 Peak 2 8298.00 50.29 54.00 -3.71 34.47 37.10 13.50 36.83 2.05 319 30 Average 3 10360.00 50.87 68.20 -17.33 35.24 37.66 14.88 39.04 2.13 -- -- Peak 4 15540.00 54.68 74.00 -19.32 38.05 41.00 18.34 45.17 2.46 -- -- Peak 5 15540.00 44.73 54.00 -9.27 28.10 41.00 18.34 45.17 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 51.80 68.20 -16.40 36.17 37.66 14.88 39.04 2.13 -- -- Peak 2 15540.00 54.19 74.00 -19.81 37.56 41.00 18.34 45.17 2.46 -- -- Peak 3 15540.00 44.59 54.00 -9.41 27.96 41.00 18.34 45.17 2.46 -- -- Average

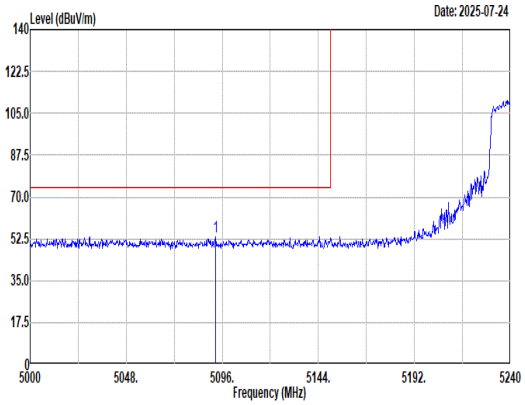
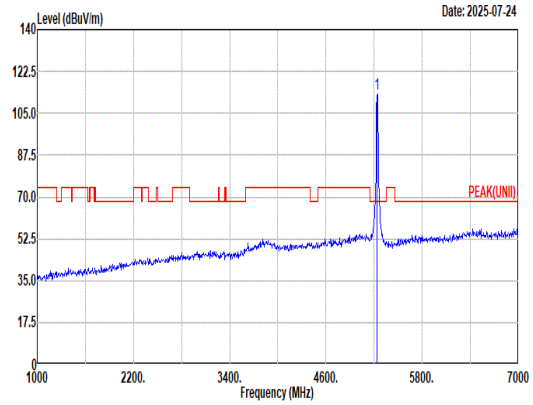
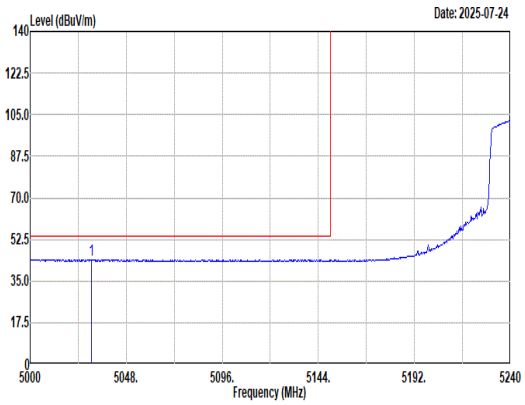
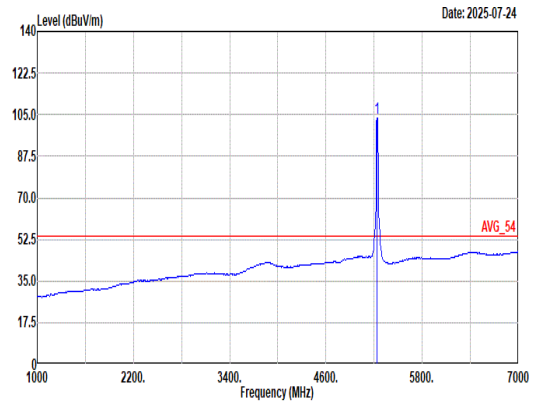
Mode	5	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11ax HE20_CH44_Full RU_5220MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5149.82 53.66 74.00 -20.34 40.05 32.90 10.56 33.56 3.71 249 340 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 5220.00 110.56 ------ ------ 97.19 32.75 10.63 33.75 3.74 249 340 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz 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 5050.38 44.13 54.00 -9.87 30.39 32.90 10.49 33.32 3.67 249 340 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz 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 5220.00 102.91 ------ ------ 89.54 32.76 10.62 33.74 3.73 249 340 Average

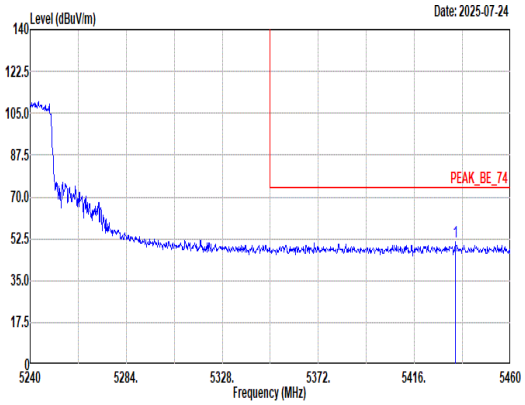
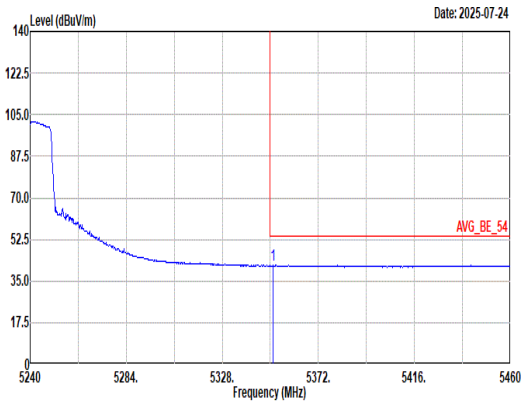
Mode	5	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11ax HE20_CH44_Full RU_5220MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5445.60 50.22 74.00 -23.78 37.13 32.69 10.89 34.30 3.81 249 340 Peak	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz 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 5439.36 41.52 54.00 -12.48 28.45 32.68 10.88 34.29 3.80 249 340 Average	Blank

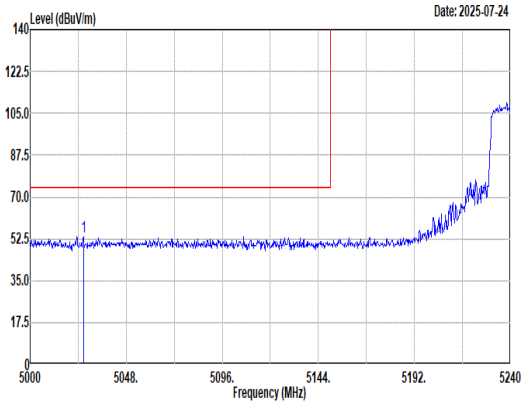
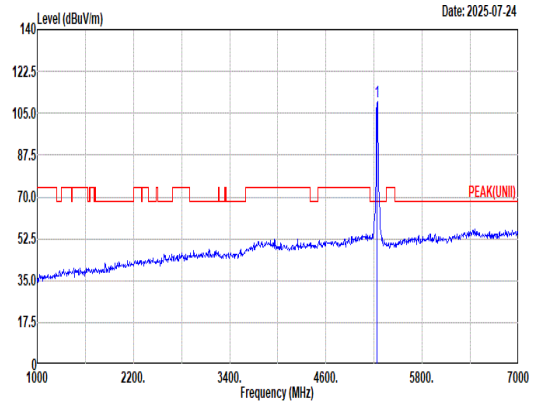
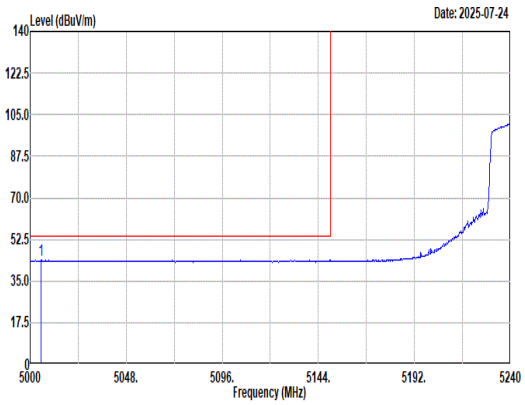
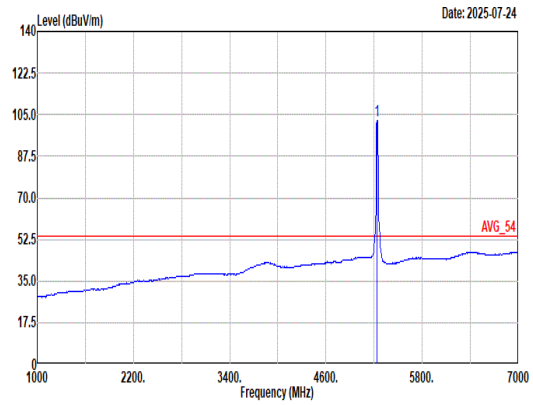
Mode	5	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11ax HE20_CH44_Full RU_5220MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5147.84 53.48 74.00 -20.52 39.87 32.90 10.56 33.56 3.71 263 292 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5220.00 109.56 ------ ------ 96.19 32.75 10.63 33.75 3.74 263 292 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto 1 5148.94 44.07 54.00 -9.93 30.46 32.90 10.56 33.56 3.71 263 292 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto 1 5220.00 102.61 ------ ------ 89.24 32.75 10.63 33.75 3.74 263 292 Average

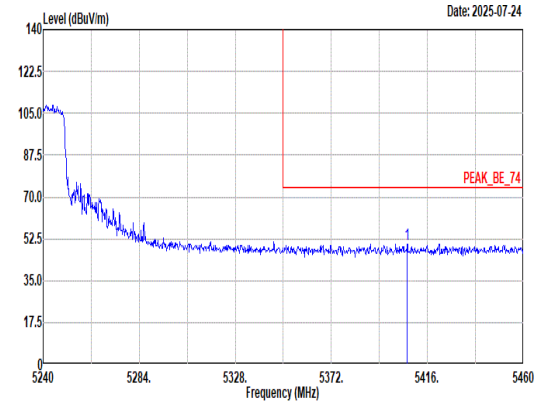
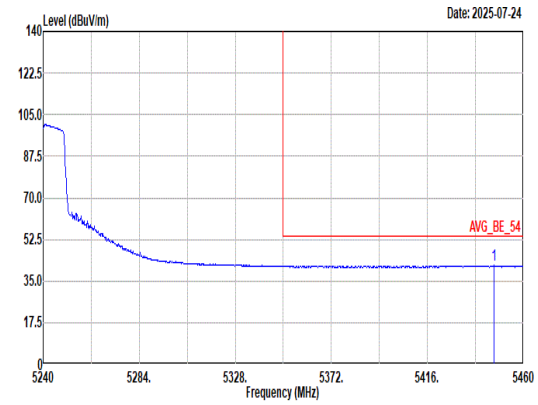
Mode	5	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11ax HE20_CH44_Full RU_5220MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5402.16 50.82 74.00 -23.18 37.83 32.60 10.81 34.20 3.78 263 292 Peak	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:1.000kHz 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 5438.88 41.50 54.00 -12.50 28.43 32.68 10.88 34.29 3.80 263 292 Average	Blank

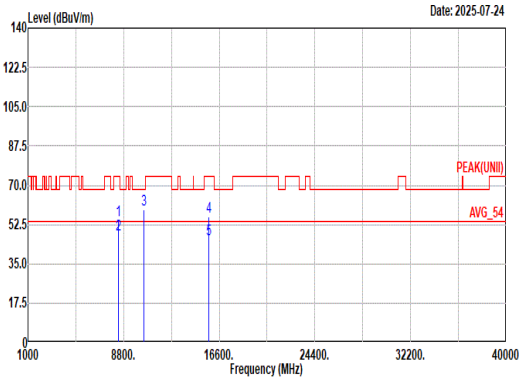
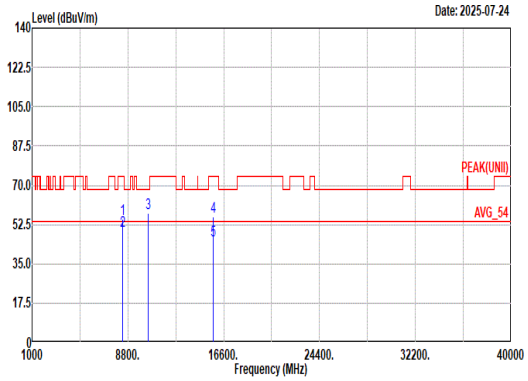
Mode	5	
	Harmonic	
	U-NII-1_5.15-5.25_802.11ax HE20_CH44_Full RU_5220MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 8352.00 53.91 74.00 -20.09 38.02 37.10 13.53 36.84 2.10 100 6 Peak 2 8352.00 48.05 54.00 -5.95 32.16 37.10 13.53 36.84 2.10 100 6 Average 3 10440.00 58.84 68.20 -9.36 43.38 37.42 14.94 39.13 2.23 214 27 Peak 4 15660.00 55.89 74.00 -18.11 39.36 40.88 18.41 45.29 2.53 -- -- Peak 5 15660.00 46.33 54.00 -7.67 29.80 40.88 18.41 45.29 2.53 -- -- 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 8352.00 55.55 74.00 -18.45 39.66 37.10 13.53 36.84 2.10 101 347 Peak 2 8352.00 50.14 54.00 -3.86 34.25 37.10 13.53 36.84 2.10 101 347 Average 3 10440.00 56.93 68.20 -11.27 41.47 37.42 14.94 39.13 2.23 201 359 Peak 4 15660.00 56.52 74.00 -17.48 39.99 40.88 18.41 45.29 2.53 -- -- Peak 5 15660.00 46.96 54.00 -7.04 30.43 40.88 18.41 45.29 2.53 -- -- Average

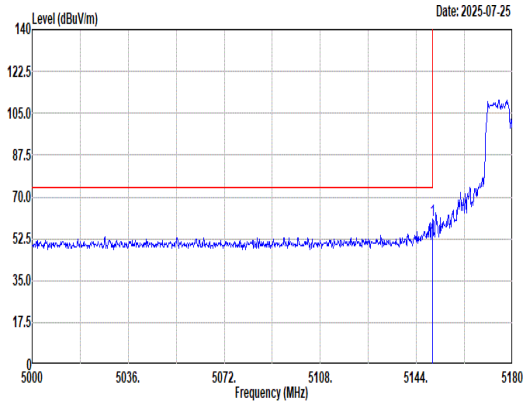
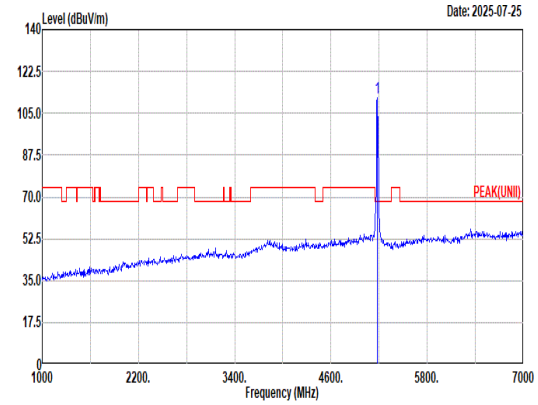
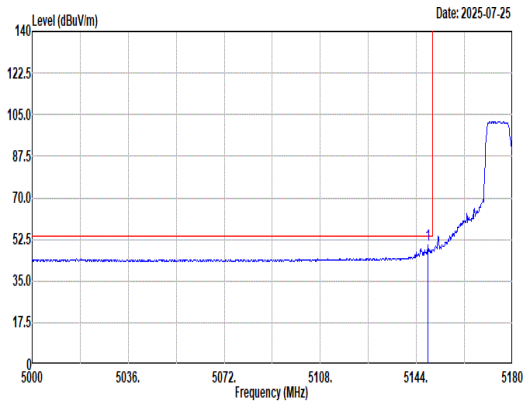
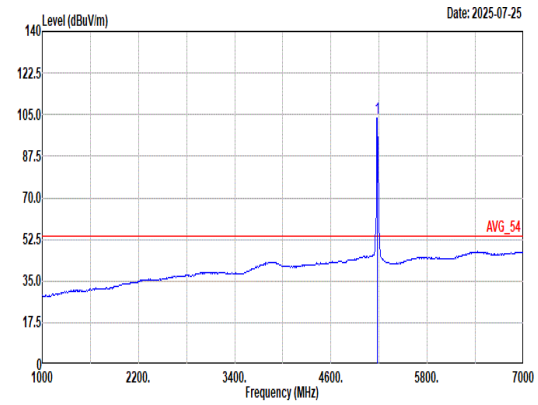
Mode	6	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11ax HE20_CH48_Full RU_5240MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5092.64 53.27 74.00 -20.73 39.58 32.90 10.52 33.42 3.69 249 343 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 5240.00 112.82 ------ ------ 99.54 32.70 10.65 33.81 3.74 249 343 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz 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 5030.72 44.00 54.00 -10.00 30.20 32.94 10.47 33.27 3.66 249 343 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz 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 5240.00 103.77 ------ ------ 90.44 32.73 10.64 33.78 3.74 249 343 Average

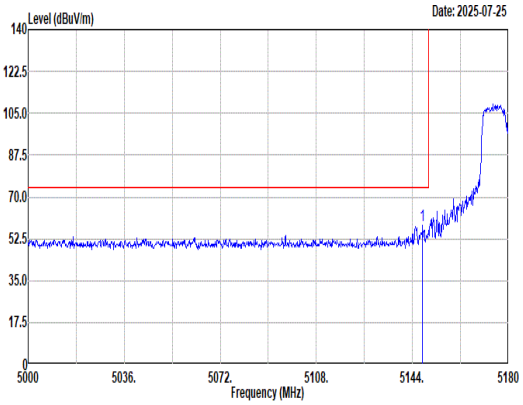
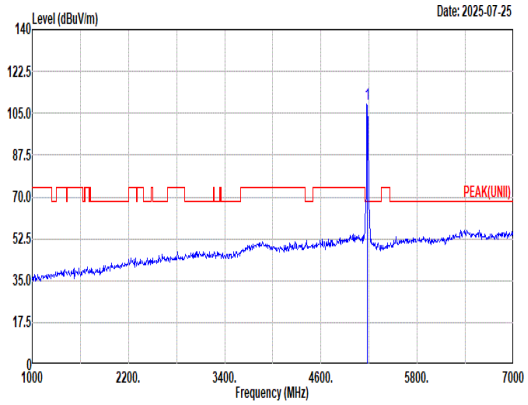
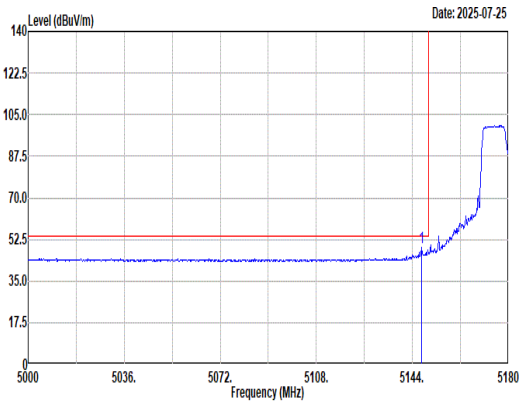
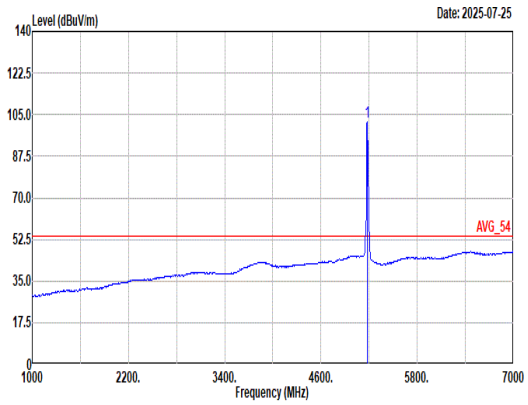
Mode	6	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11ax HE20_CH48_Full RU_5240MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5434.70 50.99 74.00 -23.01 37.93 32.67 10.87 34.28 3.80 249 343 Peak	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz 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 5351.32 41.65 54.00 -12.35 28.69 32.50 10.76 34.07 3.77 249 343 Average	Blank

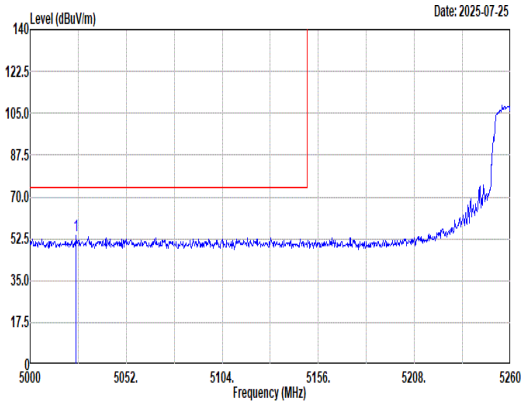
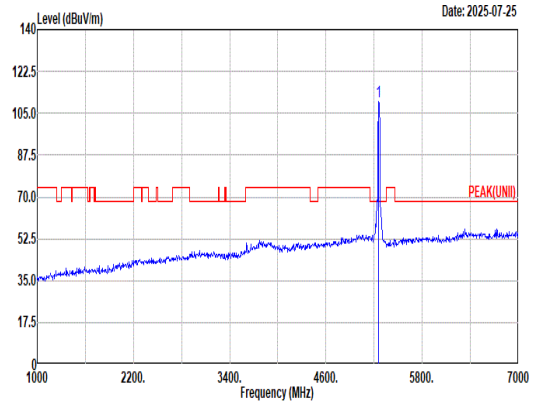
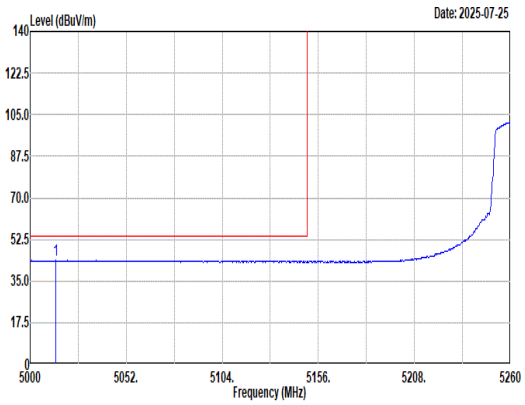
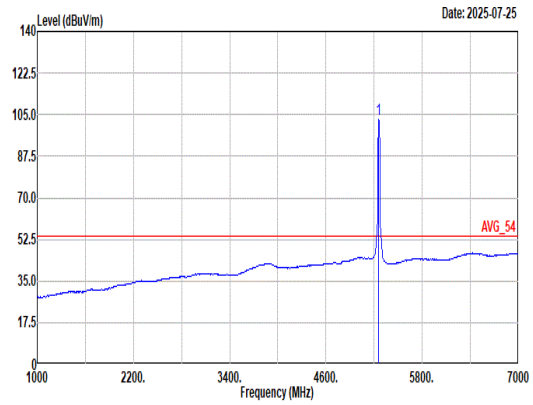
Mode	6	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11ax HE20_CH48_Full RU_5240MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5026.64 53.17 74.00 -20.83 39.35 32.95 10.47 33.26 3.66 237 60 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5240.00 109.81 ------ ------ 96.50 32.72 10.64 33.79 3.74 237 60 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto 1 5005.28 43.81 54.00 -10.19 29.92 32.99 10.45 33.20 3.65 237 60 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto 1 5240.00 102.36 ------ ------ 89.03 32.73 10.64 33.78 3.74 237 60 Average

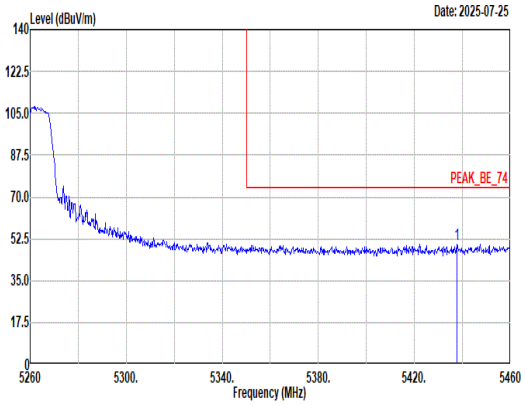
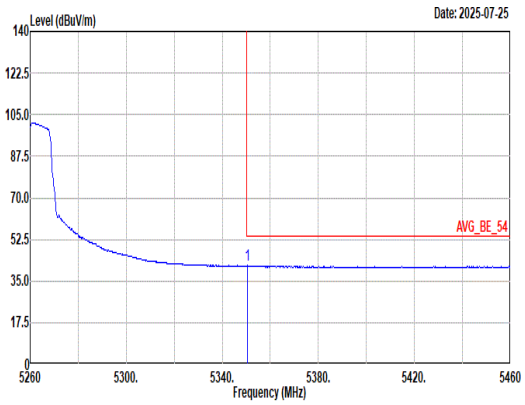
Mode	6	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11ax HE20_CH48_Full RU_5240MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5406.76 50.43 74.00 -23.57 37.43 32.61 10.82 34.21 3.78 237 60 Peak	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:1.000kHz 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 5446.36 41.56 54.00 -12.44 28.48 32.69 10.89 34.31 3.81 237 60 Average	Blank

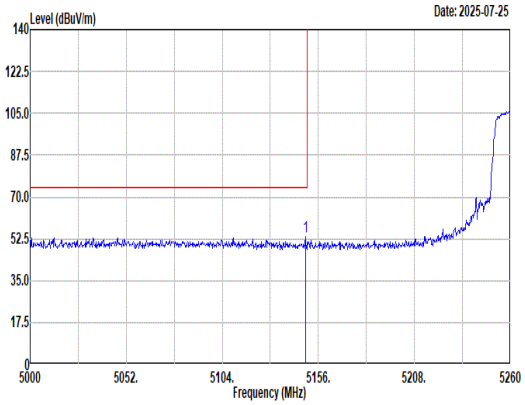
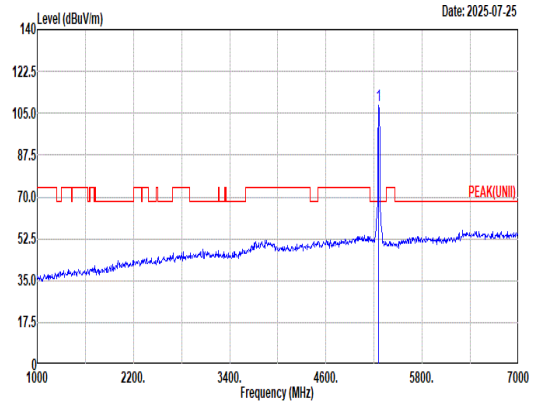
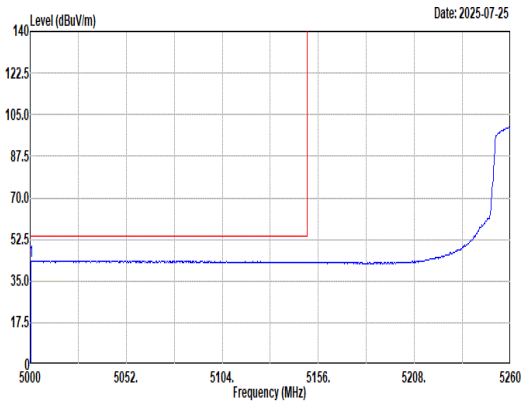
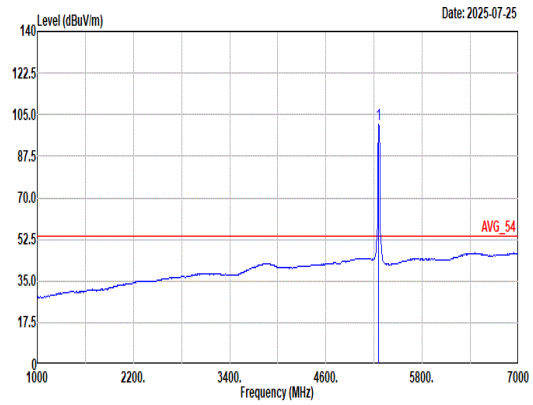
Mode	6	
	Harmonic	
	U-NII-1_5.15-5.25_802.11ax HE20_CH48_Full RU_5240MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark 1 8384.00 54.23 74.00 -19.77 38.26 37.17 13.54 36.85 2.11 100 5 Peak 2 8384.00 47.92 54.00 -6.08 31.95 37.17 13.54 36.85 2.11 100 5 Average 3 10480.00 59.18 68.20 -9.02 43.70 37.46 14.97 39.18 2.23 205 28 Peak 4 15720.00 55.94 74.00 -18.06 39.48 40.84 18.44 45.35 2.53 -- -- Peak 5 15720.00 45.79 54.00 -8.21 29.33 40.84 18.44 45.35 2.53 -- -- 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 1 8384.00 54.85 74.00 -19.15 38.88 37.17 13.54 36.85 2.11 100 348 Peak 2 8384.00 49.47 54.00 -4.53 33.50 37.17 13.54 36.85 2.11 100 348 Average 3 10480.00 57.50 68.20 -10.70 42.02 37.46 14.97 39.18 2.23 199 359 Peak 4 15720.00 55.76 74.00 -18.24 39.30 40.84 18.44 45.35 2.53 -- -- Peak 5 15720.00 45.61 54.00 -8.39 29.15 40.84 18.44 45.35 2.53 -- -- Average

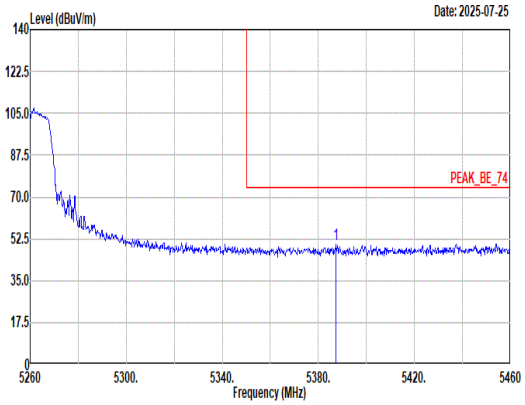
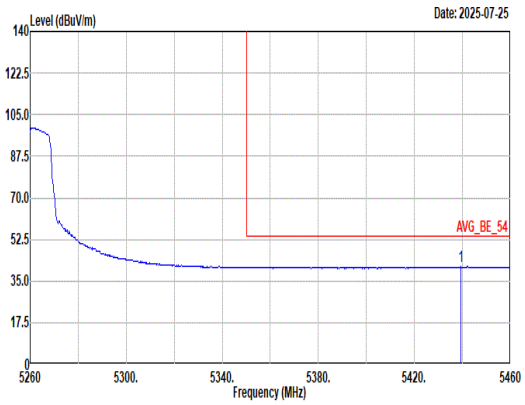
Mode	7	
	Band Edge	
	U-NII-1_5.15-5.25_802.11ax HE20_CH36_Partial RU106/53_5180MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5149.94 60.36 74.00 -13.64 46.75 32.90 10.56 33.56 3.71 300 208 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 5180.00 111.28 ------ ------ 97.76 32.85 10.58 33.63 3.72 300 208 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:2.400kHz 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 5148.32 50.09 54.00 -3.91 36.48 32.90 10.56 33.56 3.71 300 208 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:2.400kHz 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 5180.00 103.52 ------ ------ 90.00 32.85 10.58 33.63 3.72 300 208 Average

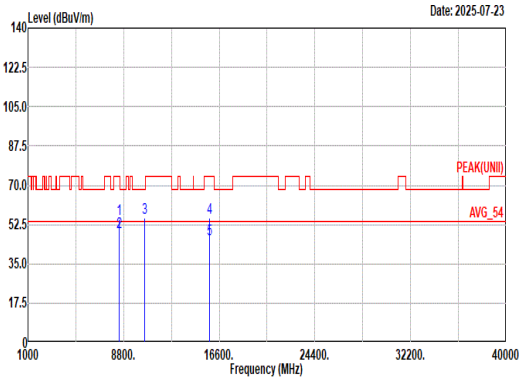
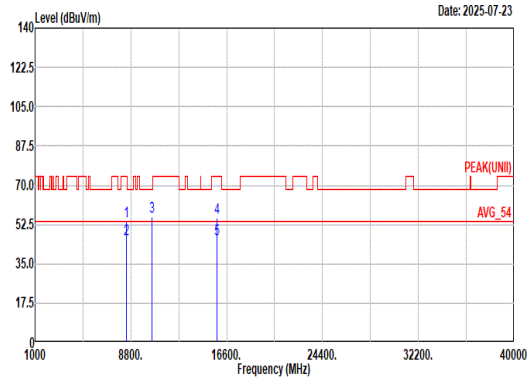
Mode	7	
	Band Edge	
	U-NII-1_5.15-5.25_802.11ax HE20_CH36_Partial RU106/53_5180MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5147.78 58.01 74.00 -15.99 44.40 32.90 10.56 33.56 3.71 100 103 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5180.00 108.62 ------ ------ 95.08 32.86 10.58 33.62 3.72 100 103 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:2.400kHz SWT:Auto 1 5147.42 49.22 54.00 -4.78 35.61 32.90 10.56 33.56 3.71 100 103 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:2.400kHz SWT:Auto 1 5180.00 102.05 ------ ------ 88.53 32.85 10.58 33.63 3.72 100 103 Average

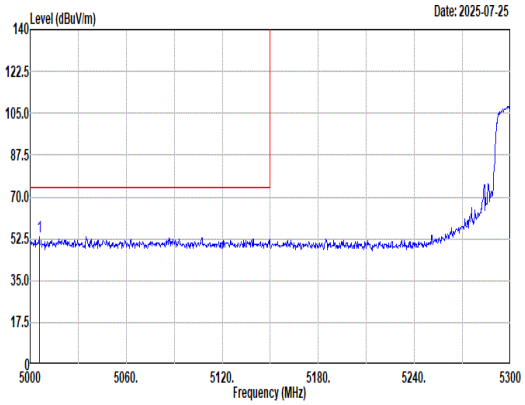
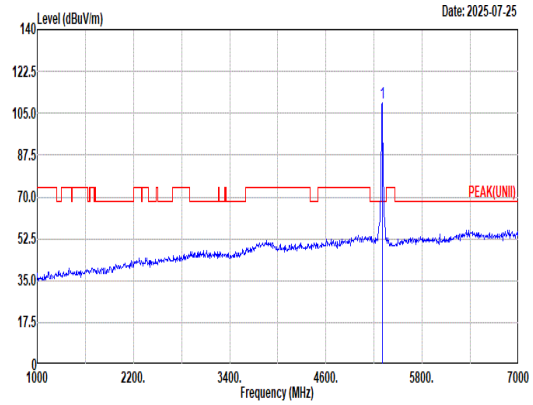
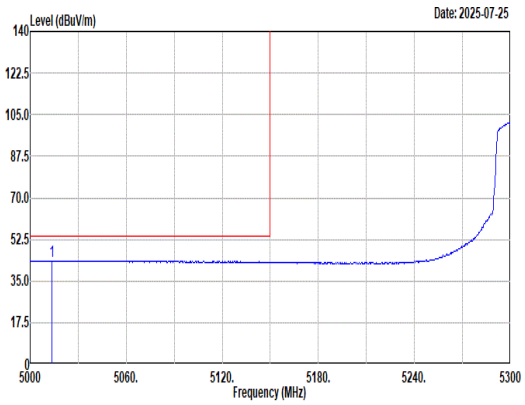
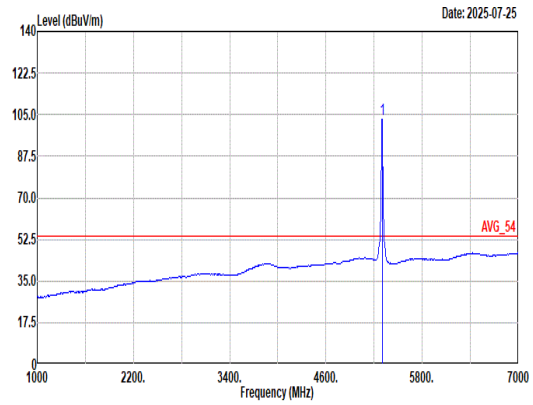
Mode	8	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11a_CH52_5260MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5024.96 53.88 74.00 -20.12 40.05 32.95 10.47 33.25 3.66 100 242 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 5260.00 110.02 ------ ------ 96.78 32.68 10.66 33.84 3.74 100 242 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 5013.78 43.66 54.00 -10.34 29.79 32.97 10.46 33.22 3.66 100 242 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 5260.00 103.15 ------ ------ 89.91 32.68 10.66 33.84 3.74 100 242 Average

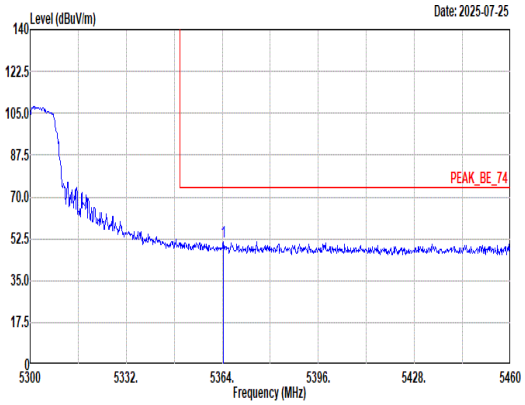
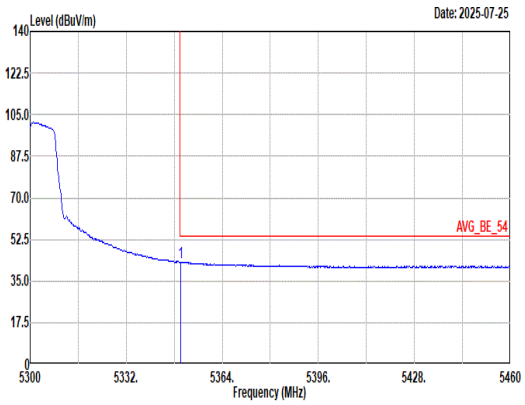
Mode	8	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11a_CH52_5260MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5437.60 50.28 74.00 -23.72 37.20 32.68 10.88 34.28 3.80 100 242 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 5350.40 41.50 54.00 -12.50 28.54 32.50 10.76 34.07 3.77 100 242 Average	Blank

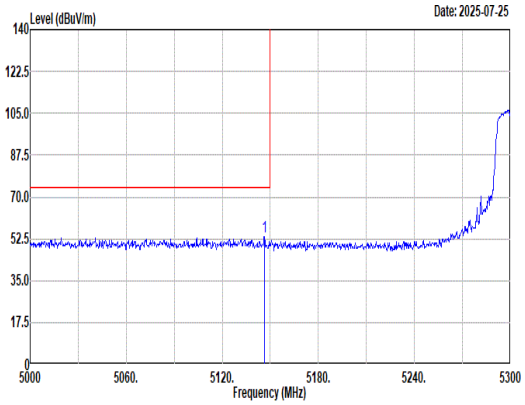
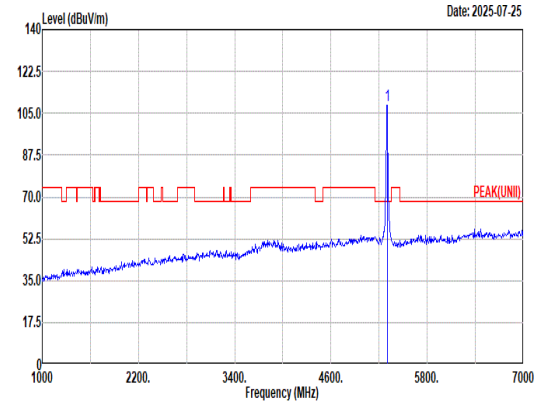
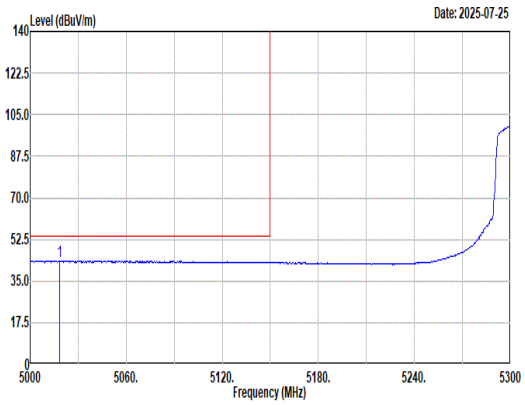
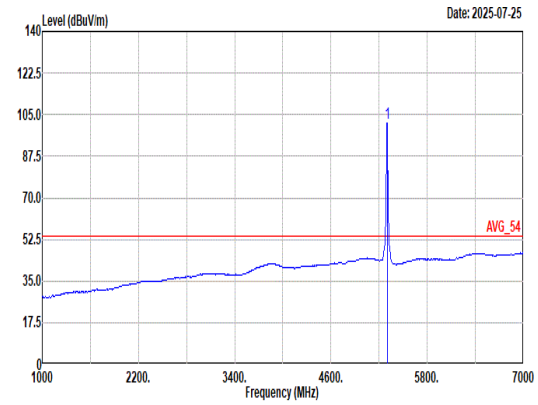
Mode	8	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11a_CH52_5260MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5148.98 53.32 74.00 -20.68 39.71 32.90 10.56 33.56 3.71 223 265 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5260.00 108.18 ------ ------ 94.94 32.68 10.66 33.84 3.74 223 265 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto 1 5000.52 43.51 54.00 -10.49 29.60 33.00 10.45 33.19 3.65 223 265 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto 1 5260.00 101.16 ------ ------ 87.92 32.68 10.66 33.84 3.74 223 265 Average

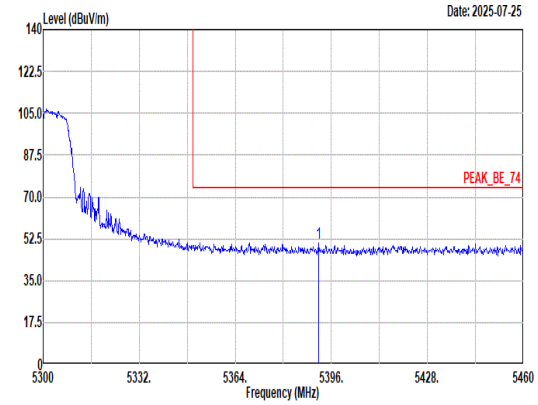
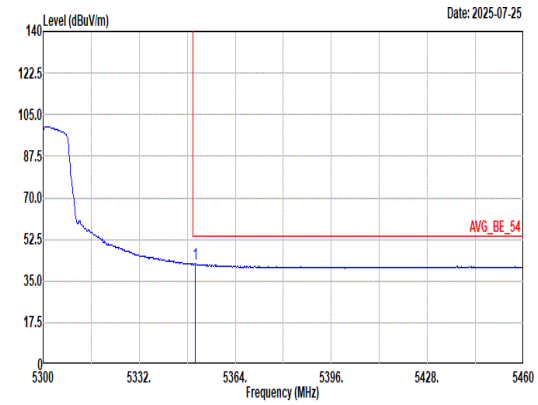
Mode	8	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11a_CH52_5260MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5387.40 50.37 74.00 -23.63 37.38 32.57 10.80 34.16 3.78 223 265 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 5439.40 40.99 54.00 -13.01 27.92 32.68 10.88 34.29 3.80 223 265 Average	Blank

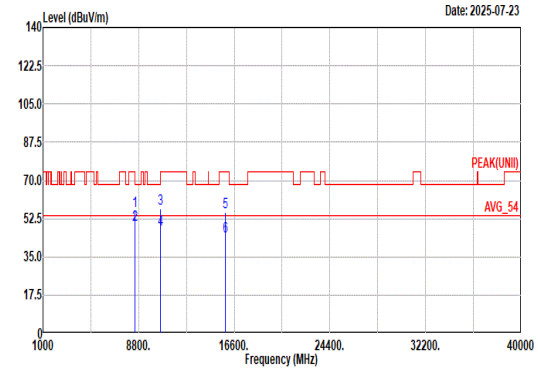
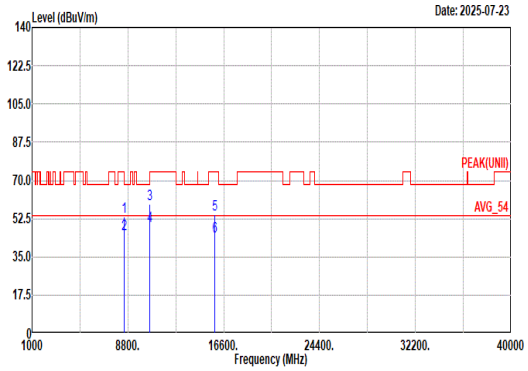
Mode	8	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11a_CH52_5260MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark 1 8416.00 55.17 74.00 -18.83 39.11 37.23 13.55 36.86 2.14 291 351 Peak 2 8416.00 49.22 54.00 -4.78 33.16 37.23 13.55 36.86 2.14 291 351 Average 3 10520.00 55.46 68.20 -12.74 39.87 37.58 15.01 39.23 2.23 100 280 Peak 4 15780.00 55.60 74.00 -18.40 38.99 41.02 18.47 45.41 2.53 -- -- Peak 5 15780.00 46.04 54.00 -7.96 29.43 41.02 18.47 45.41 2.53 -- -- 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 1 8419.00 53.86 74.00 -20.14 37.79 37.24 13.55 36.86 2.14 100 299 Peak 2 8419.00 46.18 54.00 -7.82 30.11 37.24 13.55 36.86 2.14 100 299 Average 3 10520.00 55.87 68.20 -12.33 40.28 37.58 15.01 39.23 2.23 100 220 Peak 4 15780.00 55.52 74.00 -18.48 38.91 41.02 18.47 45.41 2.53 -- -- Peak 5 15780.00 45.96 54.00 -8.04 29.35 41.02 18.47 45.41 2.53 -- -- Average

Mode	9	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11a_CH60_5300MHz	
ANT	1	
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 5005.70 53.39 74.00 -20.61 39.50 32.99 10.45 33.20 3.65 100 245 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 5300.00 109.55 ------ ------ 96.42 32.60 10.71 33.94 3.76 100 245 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 5013.80 43.55 54.00 -10.45 29.68 32.97 10.46 33.22 3.66 100 245 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 5300.00 103.21 ------ ------ 90.08 32.60 10.71 33.94 3.76 100 245 Average

Mode	9	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11a_CH60_5300MHz	
ANT	1	
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 5364.48 51.32 74.00 -22.68 38.35 32.53 10.77 34.10 3.77 100 245 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 5350.08 43.02 54.00 -10.98 30.06 32.50 10.76 34.07 3.77 100 245 Average	Blank

Mode	9	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11a_CH60_5300MHz	
ANT	1	
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 5146.40 53.16 74.00 -20.84 39.55 32.90 10.56 33.56 3.71 196 268 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 5300.00 108.21 ------ ------ 95.08 32.60 10.71 33.94 3.76 196 268 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 5018.30 43.55 54.00 -10.45 29.71 32.96 10.46 33.24 3.66 196 268 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 5300.00 101.49 ------ ------ 88.36 32.61 10.70 33.93 3.75 196 268 Average

Mode	9	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11a_CH60_5300MHz	
ANT	1	
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 5391.68 50.96 74.00 -23.04 37.97 32.58 10.80 34.17 3.78 196 268 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 5350.56 42.06 54.00 -11.94 29.10 32.50 10.76 34.07 3.77 196 268 Average	Blank

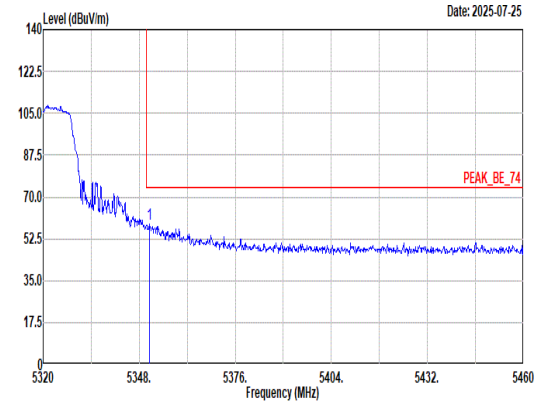
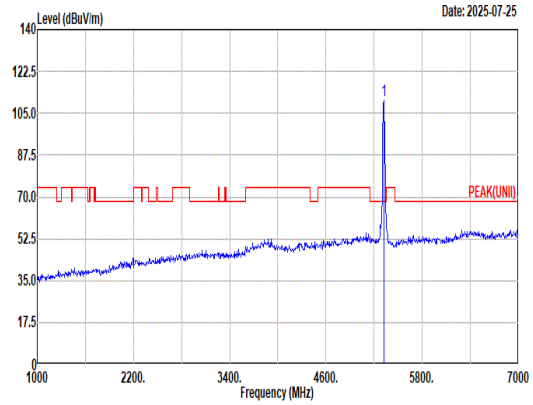
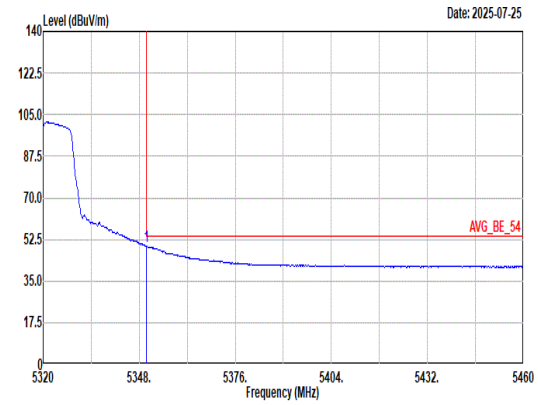
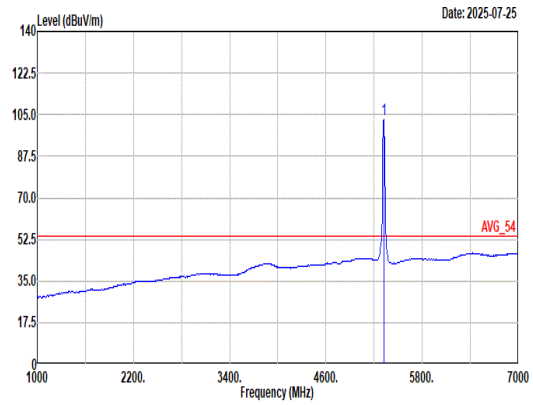
Mode	9	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11a_CH60_5300MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL

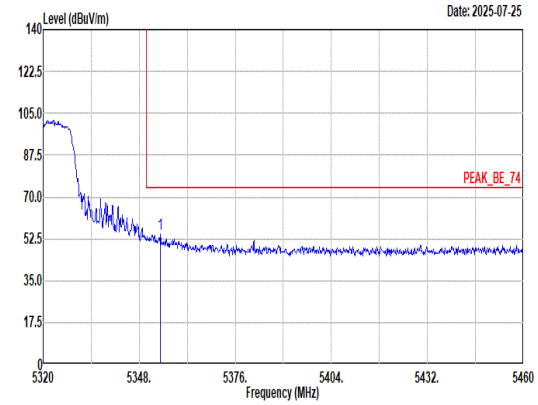
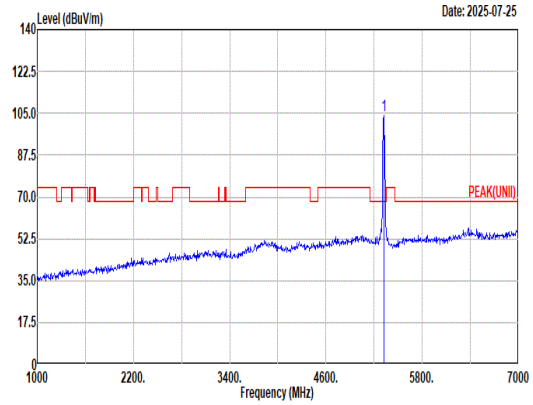
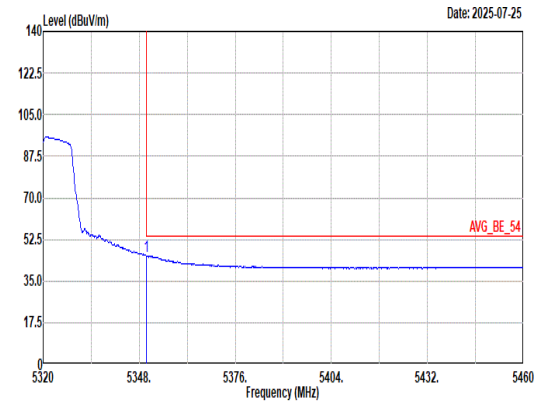
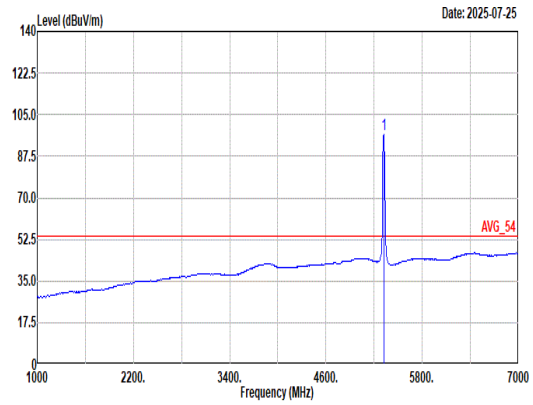
Horizontal:

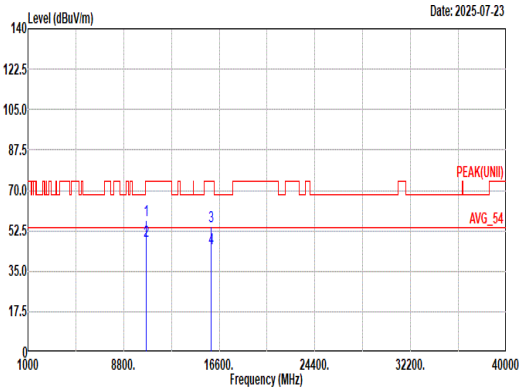
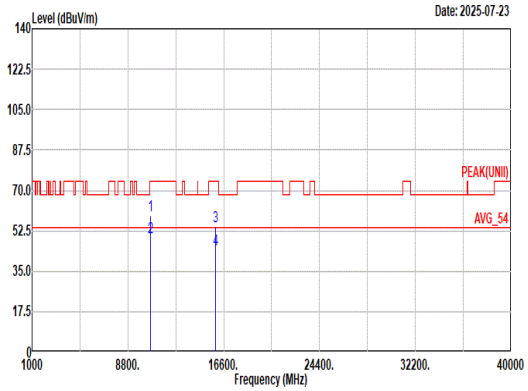
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	8485.00	56.26	74.00	-17.74	39.99	37.37	13.57	36.88	2.21	283	349	Peak
2	8485.00	49.78	54.00	-4.22	33.51	37.37	13.57	36.88	2.21	283	349	Average
3	10600.00	57.18	74.00	-16.82	41.41	37.80	15.07	39.33	2.23	243	266	Peak
4	10600.00	47.72	54.00	-6.28	31.94	37.80	15.07	39.33	2.24	243	266	Average
5	15900.00	55.39	74.00	-18.61	38.64	41.20	18.54	45.53	2.54	--	--	Peak
6	15900.00	44.43	54.00	-9.57	27.68	41.20	18.54	45.53	2.54	--	--	Average

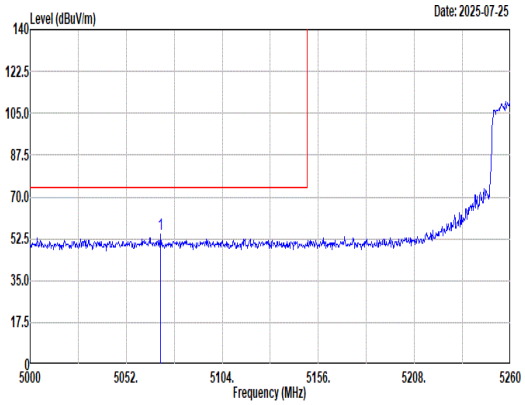
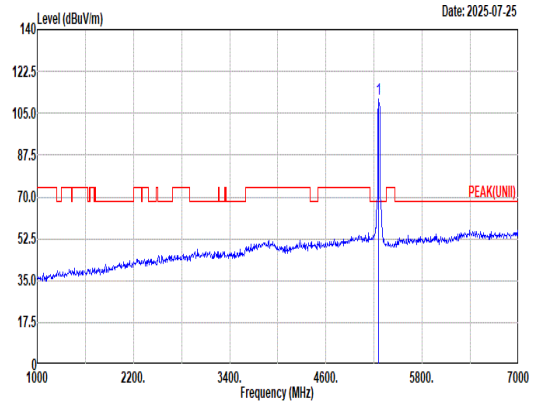
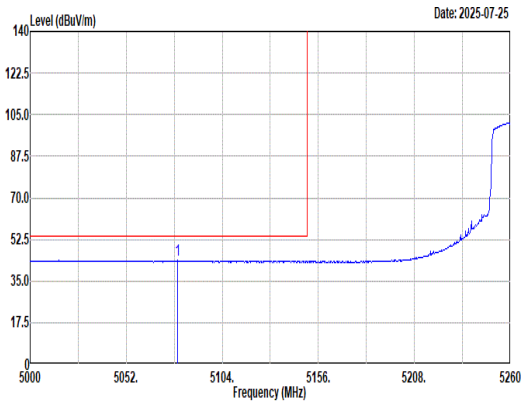
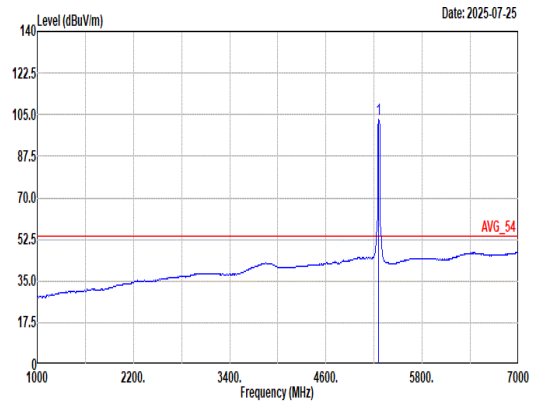
Vertical:

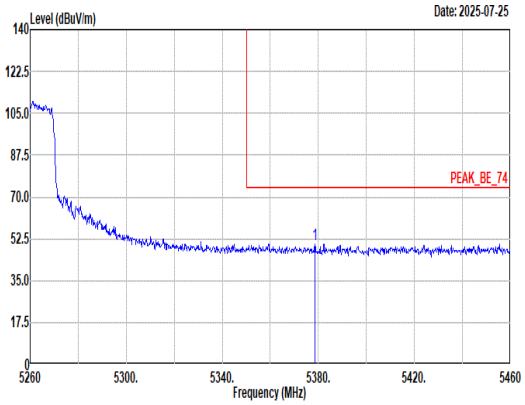
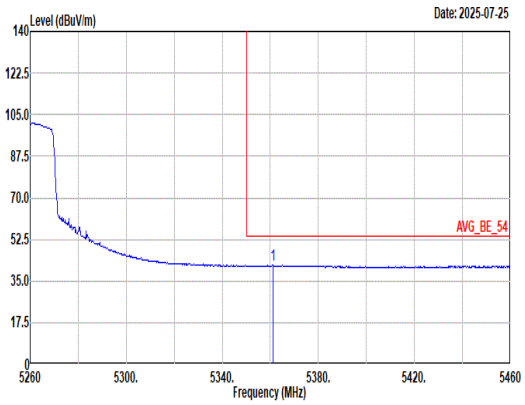
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	8485.00	53.20	74.00	-20.80	36.93	37.37	13.57	36.88	2.21	370	3	Peak
2	8485.00	45.35	54.00	-8.65	29.08	37.37	13.57	36.88	2.21	370	3	Average
3	10600.00	59.36	74.00	-14.64	43.59	37.80	15.07	39.33	2.23	105	154	Peak
4	10600.00	49.35	54.00	-4.65	33.57	37.80	15.07	39.33	2.24	105	154	Average
5	15900.00	54.53	74.00	-19.47	37.78	41.20	18.54	45.53	2.54	--	--	Peak
6	15900.00	44.60	54.00	-9.40	27.85	41.20	18.54	45.53	2.54	--	--	Average

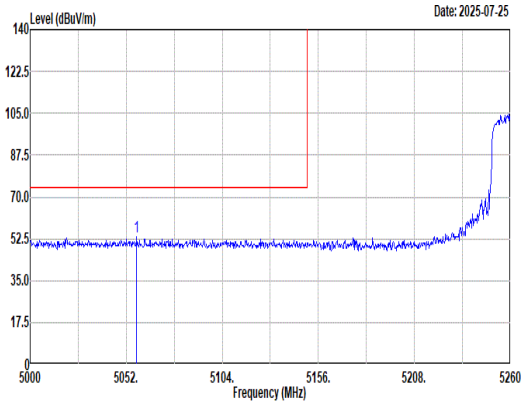
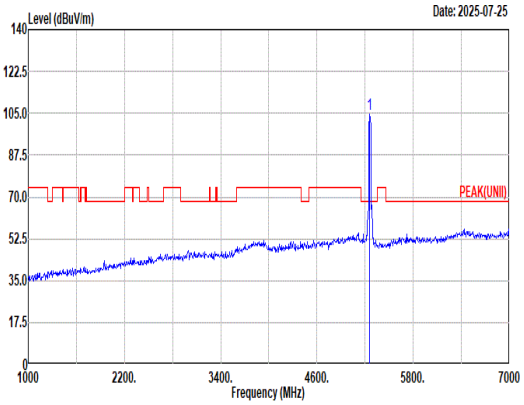
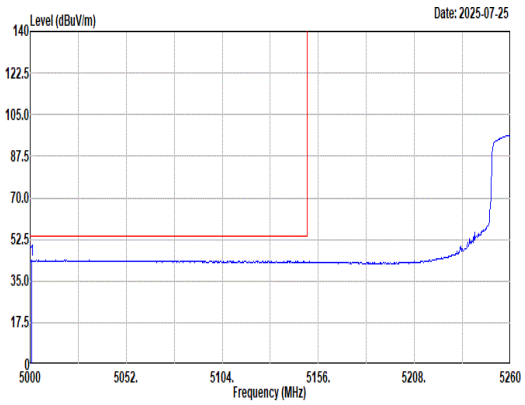
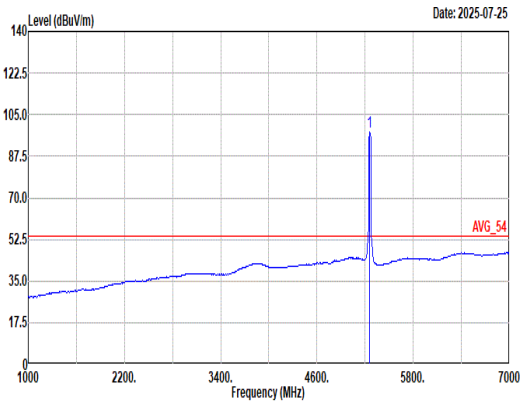
Mode	10	
	Band Edge	
	U-NII-2A_5.25-5.35_802.11a_CH64_5320MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.94 58.88 74.00 -15.12 45.92 32.50 10.76 34.07 3.77 283 207 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 5320.00 110.47 ------ ------ 97.41 32.56 10.73 33.99 3.76 283 207 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 5350.10 49.51 54.00 -4.49 36.55 32.50 10.76 34.07 3.77 283 207 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 5320.00 103.18 ------ ------ 90.12 32.56 10.73 33.99 3.76 283 207 Average

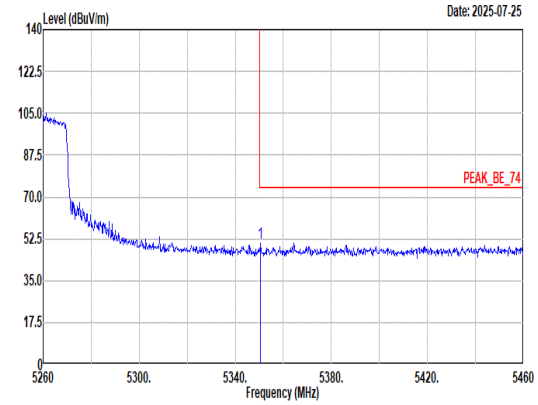
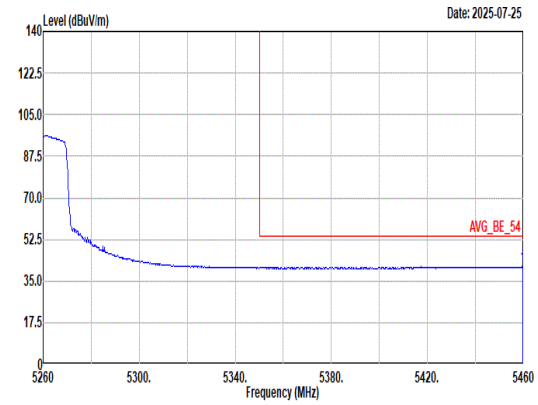
Mode	10	
	Band Edge	
	U-NII-2A_5.25-5.35_802.11a_CH64_5320MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5354.16 54.38 74.00 -19.62 41.42 32.51 10.76 34.08 3.77 367 71 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 5320.00 104.25 ------ ------ 91.19 32.56 10.73 33.99 3.76 367 71 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 5350.10 45.59 54.00 -8.41 32.63 32.50 10.76 34.07 3.77 367 71 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 96.87 ------ ------ 83.81 32.56 10.73 33.99 3.76 367 71 Average

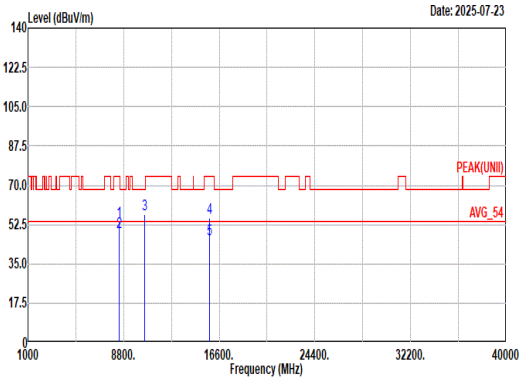
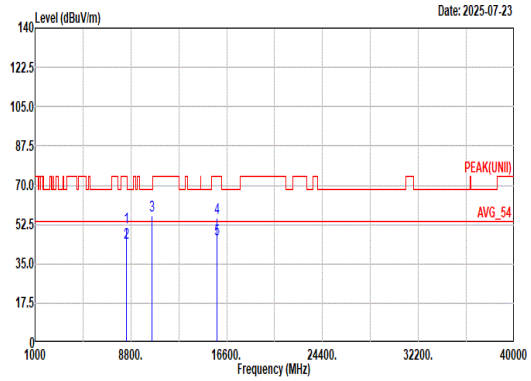
Mode	10	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11a_CH64_5320MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark 1 10640.00 57.12 74.00 -16.88 41.36 37.80 15.10 39.38 2.24 236 262 Peak 2 10640.00 47.86 54.00 -6.14 32.10 37.80 15.10 39.38 2.24 236 262 Average 3 15960.00 54.17 74.00 -19.83 37.66 40.98 18.58 45.59 2.54 -- -- Peak 4 15960.00 44.68 54.00 -9.32 28.17 40.98 18.58 45.59 2.54 -- -- 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 1 10640.00 59.28 74.00 -14.72 43.52 37.80 15.10 39.38 2.24 110 158 Peak 2 10640.00 49.92 54.00 -4.08 34.16 37.80 15.10 39.38 2.24 110 158 Average 3 15960.00 54.37 74.00 -19.63 37.86 40.98 18.58 45.59 2.54 -- -- Peak 4 15960.00 44.63 54.00 -9.37 28.12 40.98 18.58 45.59 2.54 -- -- Average

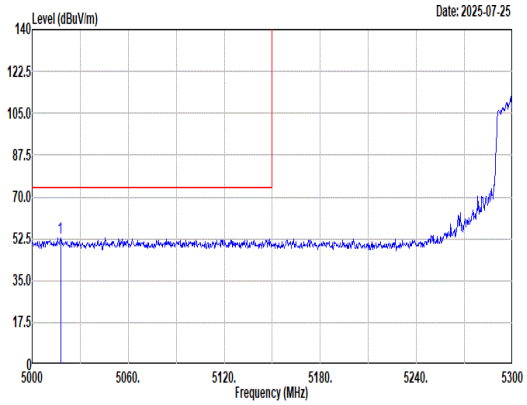
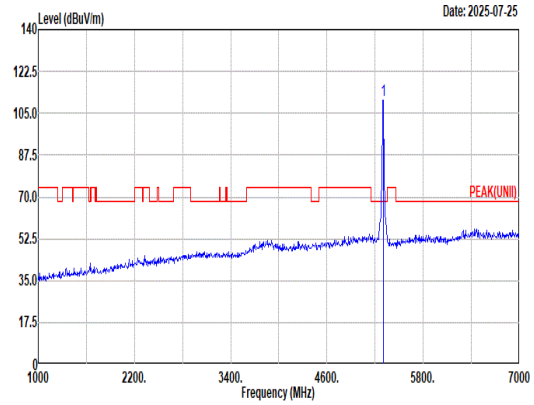
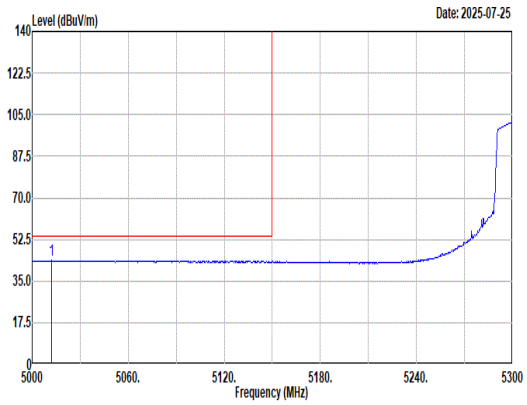
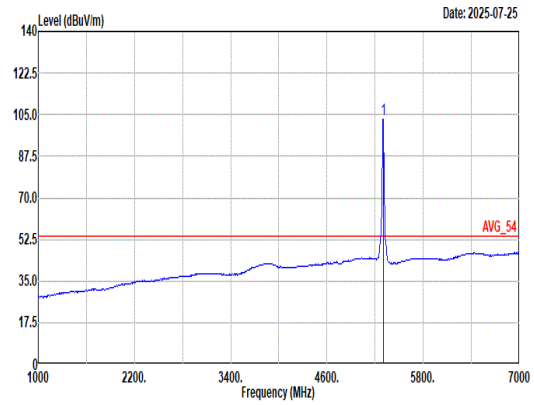
Mode	11	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11ax HE20_CH52_Full RU_5260MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5070.46 54.40 74.00 -19.60 40.69 32.90 10.50 33.37 3.68 361 207 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 5260.00 110.97 ------ ------ 97.71 32.69 10.66 33.83 3.74 361 207 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz 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 5079.82 43.60 54.00 -10.40 29.90 32.90 10.51 33.39 3.68 361 207 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz 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 5260.00 103.00 ------ ------ 89.76 32.68 10.66 33.84 3.74 361 207 Average

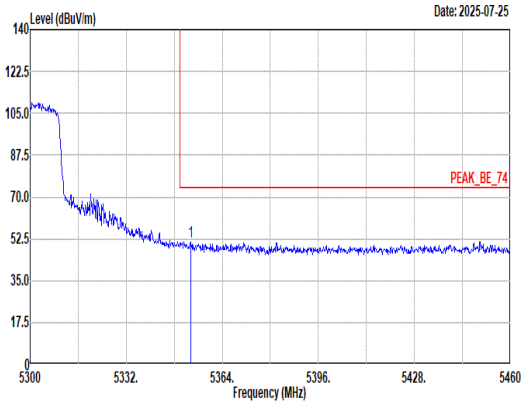
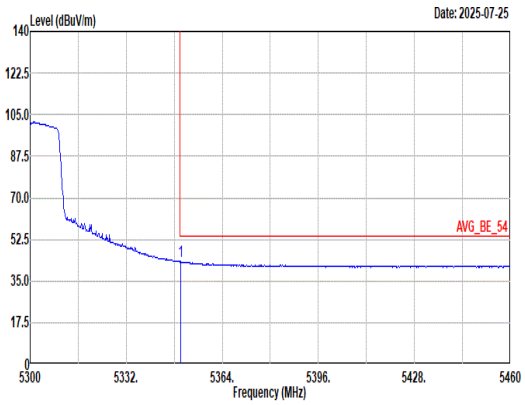
Mode	11	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11ax HE20_CH52_Full RU_5260MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5378.60 50.37 74.00 -23.63 37.39 32.56 10.79 34.14 3.77 361 207 Peak	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz 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 5361.00 41.65 54.00 -12.35 28.68 32.52 10.77 34.09 3.77 361 207 Average	Blank

Mode	11	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11ax HE20_CH52_Full RU_5260MHz	
ANT	1	
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 5057.72 53.15 74.00 -20.85 39.42 32.90 10.49 33.33 3.67 100 93 Peak	 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5260.00 104.81 ------ ------ 91.57 32.68 10.66 33.84 3.74 100 93 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto 1 5000.78 43.71 54.00 -10.29 29.80 33.00 10.45 33.19 3.65 100 93 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto 1 5260.00 97.82 ------ ------ 84.58 32.68 10.66 33.84 3.74 100 93 Average

Mode	11	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11ax HE20_CH52_Full RU_5260MHz	
ANT	1	
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 5350.60 50.64 74.00 -23.36 37.68 32.50 10.76 34.07 3.77 100 93 Peak	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:1.000kHz 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 5459.80 40.98 54.00 -13.02 27.87 32.72 10.91 34.34 3.82 100 93 Average	Blank

Mode	11	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11ax HE20_CH52_Full RU_5260MHz	
ANT	1	
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 1 8416.00 53.68 74.00 -20.32 37.62 37.23 13.55 36.86 2.14 293 351 Peak 2 8416.00 49.31 54.00 -4.69 33.25 37.23 13.55 36.86 2.14 293 351 Average 3 10520.00 57.07 68.20 -11.13 41.48 37.58 15.01 39.23 2.23 100 137 Peak 4 15780.00 55.33 74.00 -18.67 38.72 41.02 18.47 45.41 2.53 -- -- Peak 5 15780.00 45.77 54.00 -8.23 29.16 41.02 18.47 45.41 2.53 -- -- 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 1 8416.00 51.13 74.00 -22.87 35.07 37.23 13.55 36.86 2.14 100 301 Peak 2 8416.00 44.48 54.00 -9.52 28.42 37.23 13.55 36.86 2.14 100 301 Average 3 10520.00 56.40 68.20 -11.80 40.81 37.58 15.01 39.23 2.23 100 221 Peak 4 15780.00 55.33 74.00 -18.67 38.72 41.02 18.47 45.41 2.53 -- -- Peak 5 15780.00 45.77 54.00 -8.23 29.16 41.02 18.47 45.41 2.53 -- -- Average

Mode	12	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11ax HE20_CH60_Full RU_5300MHz	
ANT	1	
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 5017.70 53.05 74.00 -20.95 39.20 32.96 10.46 33.23 3.66 352 209 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 5300.00 110.62 ------ ------ 97.49 32.61 10.70 33.93 3.75 352 209 Peak
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz 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 5012.30 43.67 54.00 -10.33 29.80 32.98 10.46 33.22 3.65 352 209 Average	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz 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 5300.00 103.24 ------ ------ 90.11 32.61 10.70 33.93 3.75 352 209 Average

Mode	12	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11ax HE20_CH60_Full RU_5300MHz	
ANT	1	
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 5353.44 51.27 74.00 -22.73 38.30 32.51 10.76 34.07 3.77 352 209 Peak	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz 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 5350.24 43.06 54.00 -10.94 30.10 32.50 10.76 34.07 3.77 352 209 Average	Blank