FCC RF Test Report

APPLICANT	:	Shenzhen Zolon Technology Co.,Ltd.
EQUIPMENT	:	Smart Computer
BRAND NAME	:	ZOLON
MODEL NAME	:	M11
FCC ID	:	2AV5BM11
STANDARD	:	FCC Part 15 Subpart E §15.407
CLASSIFICATION	:	(NII) Unlicensed National Information Infrastructure
TEST DATE(S)	:	Jun. 19, 2025 ~ Jul. 31, 2025

We, Sporton International Inc. (ShenZhen), 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 of Sporton International Inc. (ShenZhen), the test report shall not be reproduced except in full.

Fly Liang

Approved by: Fly Liang

ACCREDITED
Cert #5145.01

Sporton International Inc. (ShenZhen)

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People's Republic of China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR552610E	Rev. 01	Initial issue of report	Sep. 08, 2025

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit for U-NII-1/2A/2C	Limit for U-NII-3	Result	Remark
3.1	2.1049 & 15.403(i)	6dB, 26dB & 99% Bandwidth	-	6dB Bandwidth > 500kHz	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	≤ 24 dBm	≤ 30 dBm	Pass	-
3.3	15.407(a)	Power Spectral Density	≤ 11 dBm/MHz	≤ 30 dBm/500kHz	Pass	-
3.4	15.407(b)	Unwanted Emissions	15.407(b) & 15.209(a)	15.407(b)(4)(i) &15.209(a)	Pass	Under limit 3.05 dB at 5148.50 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	15.207(a)	Pass	Under limit 7.14 dB at 0.50 MHz
3.6	15.203 & 15.407(a)	Antenna Requirement	15.203 & 15.407(a)	15.203 & 15.407(a)	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.

1 General Description

1.1 Applicant

Shenzhen Zolon Technology Co.,Ltd.
401, Building 3, Shenzhen Software Park, Maling Community, Yuehai Sub-district, Nanshan District, Shenzhen City, Guangdong Province, P.R.C

1.2 Manufacturer

Shenzhen Zolon Technology Co.,Ltd.
401, Building 3, Shenzhen Software Park, Maling Community, Yuehai Sub-district, Nanshan District, Shenzhen City, Guangdong Province, P.R.C

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Smart Computer
Brand Name	ZOLON
Model Name	M11
FCC ID	2AV5BM11
IMEI Code / SN	Conducted: 3420000185 Conduction/ Radiation: 869153080003178
HW Version	V02
SW Version	0.00.00.20250521
EUT Stage	Production Unit

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz 5745 MHz ~ 5825 MHz
Maximum Output Power to Antenna	**MIMO<ANT6+7>** **<5180 MHz ~ 5240 MHz>** 802.11a : 17.91 dBm / 0.0618 W 802.11n HT20 : 18.04 dBm / 0.0637 W 802.11n HT40 : 19.68 dBm / 0.0929 W 802.11ac VHT20 : 17.96 dBm / 0.0625 W 802.11ac VHT40 : 19.47 dBm / 0.0885 W 802.11ac VHT80 : 12.84 dBm / 0.0192 W 802.11ax HE20 : 18.54 dBm / 0.0714 W 802.11ax HE40 : 19.73 dBm / 0.0940 W 802.11ax HE80 : 12.99 dBm / 0.0199 W **<5260 MHz ~ 5320 MHz>** 802.11a : 19.26 dBm / 0.0843 W 802.11n HT20 : 19.34 dBm / 0.0859 W 802.11n HT40 : 20.02 dBm / 0.1005 W 802.11ac VHT20 : 19.27 dBm / 0.0845 W 802.11ac VHT40 : 19.81 dBm / 0.0957 W 802.11ac VHT80 : 13.50 dBm / 0.0224 W 802.11ax HE20 : 20.10 dBm / 0.1023 W 802.11ax HE40 : 20.10 dBm / 0.1023 W 802.11ax HE80 : 14.32 dBm / 0.0270 W **<5500 MHz ~ 5720 MHz >** 802.11a : 19.49 dBm / 0.0889 W 802.11n HT20 : 19.46 dBm / 0.0883 W 802.11n HT40 : 19.34 dBm / 0.0859 W 802.11ac VHT20 : 19.44 dBm / 0.0879 W 802.11ac VHT40 : 19.13 dBm / 0.0818 W 802.11ac VHT80 : 19.27 dBm / 0.0845 W 802.11ax HE20 : 19.45 dBm / 0.0881 W 802.11ax HE40 : 19.60 dBm / 0.0912 W 802.11ax HE80 : 19.38 dBm / 0.0867 W **<5745 MHz ~ 5825 MHz>** 802.11a : 20.13 dBm / 0.1030 W 802.11n HT20 : 19.87 dBm / 0.0971 W 802.11n HT40 : 19.45 dBm / 0.0881 W 802.11ac VHT20 : 19.68 dBm / 0.0929 W 802.11ac VHT40 : 19.20 dBm / 0.0832 W 802.11ac VHT80 : 19.17 dBm / 0.0826 W 802.11ax HE20 : 19.07 dBm / 0.0807 W 802.11ax HE40 : 19.49 dBm / 0.0889 W 802.11ax HE80 : 19.40 dBm / 0.0871 W
99% Occupied Bandwidth	**<5180 MHz ~ 5240 MHz>** 802.11a : 16.60 MHz 802.11n HT20 : 17.72 MHz 802.11n HT40 : 36.38 MHz 802.11ac VHT80 : 75.69 MHz 802.11ax HE20 : 18.80 MHz

	802.11ax HE40 : 37.71 MHz 802.11axHE80 : 77.38 MHz **<5260 MHz ~ 5320 MHz>** 802.11a : 16.58 MHz 802.11n HT20 : 17.66 MHz 802.11n HT40 : 36.30 MHz 802.11ac VHT80 : 75.70 MHz 802.11ax HE20 : 18.80 MHz 802.11ax HE40 : 37.75 MHz 802.11ax HE80 : 77.39 MHz **<5500 MHz ~ 5720 MHz >** 802.11a : 16.68 MHz 802.11n HT20 : 17.86 MHz 802.11n HT40 : 36.29 MHz 802.11ac VHT80 : 75.93 MHz 802.11ax HE20 : 18.79 MHz 802.11ax HE40 : 37.72 MHz 802.11ax HE80 : 77.43 MHz **<5745 MHz ~ 5825 MHz>** 802.11a : 17.56 MHz 802.11n HT20 : 17.78 MHz 802.11n HT40 : 36.26 MHz 802.11ac VHT80 : 75.86 MHz 802.11ax HE20 : 18.77 MHz 802.11ax HE40 : 37.70 MHz 802.11ax HE80 : 77.42 MHz
Antenna Type / Gain	**<5180 MHz ~ 5240 MHz>** <Ant. 6> : PIFA Antenna with gain 1.34 dBi <Ant. 7> : PIFA Antenna with gain -0.86 dBi **<5260 MHz ~ 5320 MHz>** <Ant. 6> : PIFA Antenna with gain 2.15 dBi <Ant. 7> : PIFA Antenna with gain 0.18 dBi **<5500 MHz ~** 5720 MHz**>** <Ant. 6> : PIFA Antenna with gain 3.00 dBi <Ant. 7> : PIFA Antenna with gain 1.69 dBi **<5745 MHz ~ 5825 MHz>** <Ant. 6> : PIFA Antenna with gain 0.95 dBi <Ant. 7> : PIFA Antenna with gain 1.75 dBi
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) 802.11ax : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM)

Note:

1. The device supports WLAN MIMO STBC mode.
2. For WLAN SISO & MIMO mode, the whole testing has assessed only MIMO mode by referring to the higher normal output power.
3. For 802.11n/11ac mode, the whole testing have assessed only 802.11n HT20/40 by referring to the higher output power.

4. 802.11ax support full RU tone and partial RU tone, both full RU and partial RU-left (for low CH) and partial RU-right (for high CH) are tested for conducted power/PSD/RSE, the full RU power > partial RU, therefore the full RU perform full test and Partial RU verified power/PSD/RSE.

1.5 Modification of EUT

No modifications are made to the EUT during all test items.

1.6 Testing Location

Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	TH01-SZ CO02-SZ 03CH01-SZ	CN1256	421272

1.7 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH01-SZ	AUDIX	E3	6.2009-8-24
2.	CO0-SZ	AUDIX	E3	6.120613b

1.8 Applicable Standards

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

- 47 CFR Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. 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, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Z plane) were recorded 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)
5180-5240 MHz U-NII-1	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210	-	-

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

Frequency Band	Channel	Freq.(MHz)	Channel	Freq. (MHz)
5500- 5720 MHz MHz U-NII-2C	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106#	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

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

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

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

Note:

1. The above Frequency and Channel in "*" are 40MHz bandwidth.
2. The above Frequency and Channel in "#" are 80MHz bandwidth.

2.2 Test Mode

Final test modes are considering the modulation and worse data rates as below table.

MIMO Mode

Modulation	Data Rate
802.11a	**6 Mbps**
802.11n HT20	**MCS0**
802.11n HT40	**MCS0**
802.11ac VHT80	**MCS0**
802.11ax HE20	**MCS0**
802.11ax HE40	**MCS0**
802.11ax HE80	**MCS0**

Test Cases	
AC Conducted Emission	Mode 1 : WCDMA Band V Idle + Bluetooth Link + WLAN Link (5G) + USB Cable (Charging from Adapter) + Battery
Remark: For Radiated Test Cases, The tests were performance with Adapter and USB Cable.	

RSE Co-location mode
802.11n HT20 CH36 5180MHz_Tx +LTE Band 14 Link 802.11n HT20 CH36 5180MHz_Tx +BLE 2M CH39 2480MHz_Tx + LTE Band 14 Link

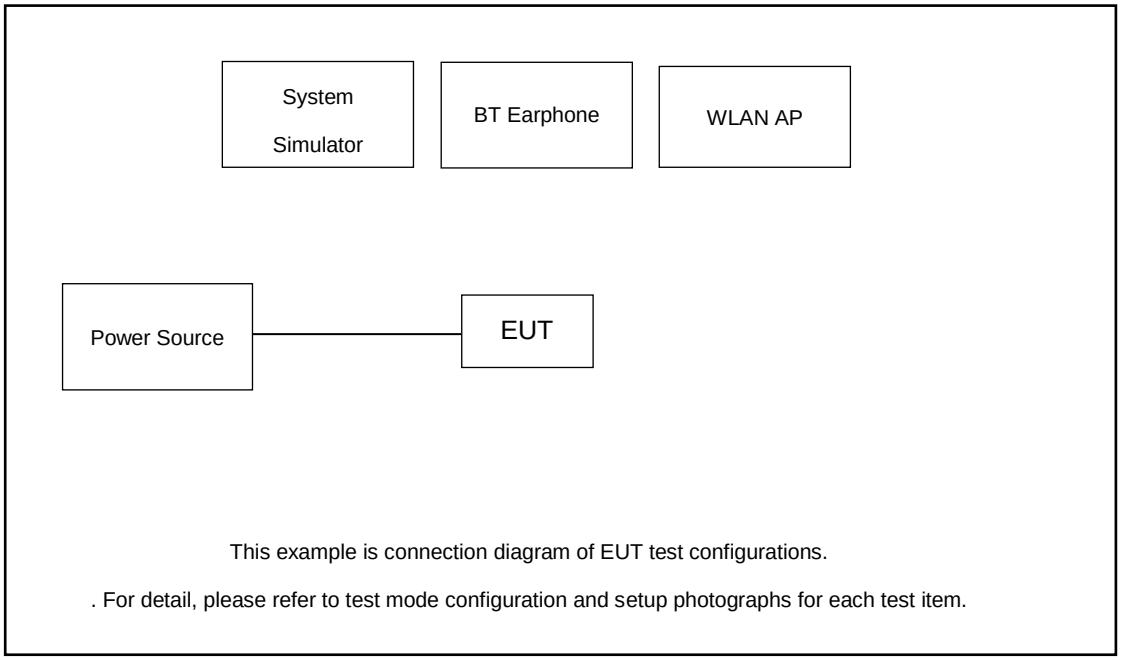
Ch. #		U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
		20M BW	20M BW	20M BW	20M BW
L	Low	36	52	100	149
M	Middle	44	60	116	157
H	High	48	64	136/140	165
Straddle		-	-	144	-

Ch. #		U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
		40M BW	40M BW	40M BW	40M BW
L	Low	38	54	102	151
M	Middle	-	-	110	-
H	High	46	62	134	159
Straddle		-	-	142	-

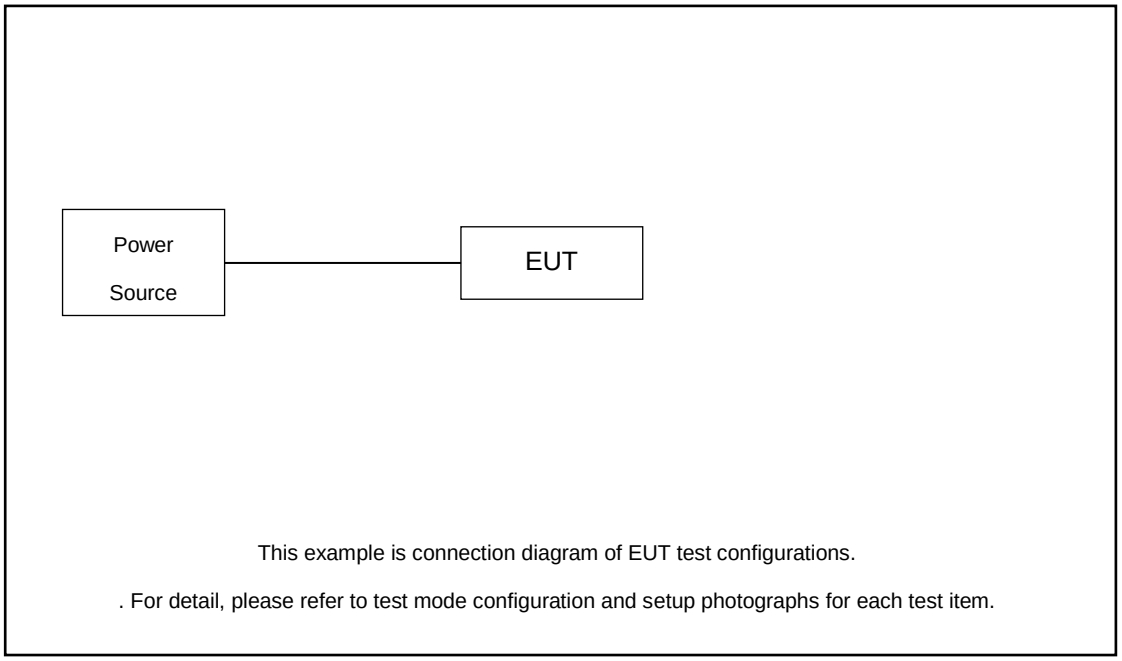
Ch. #		U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
		80M BW	80M BW	80M BW	80M BW
L	Low	-	-	106	-
M	Middle	42	58	-	155
H	High	-	-	122	-
Straddle		-	-	138	-

2.3 Connection Diagram of Test System

AC Conducted Emission:



Radiated Emission:



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m
2.	WLAN AP	Dlink	DIR-820L	KA2IR820LA1	N/A	Unshielded,1.8m
3.	Bluetooth Earphone	Samsung	EO-MG900	PYAHS-107W	N/A	N/A

2.5 EUT Operation Test Setup

For WLAN RF test items, an engineering test program was provided and enabled to make EUT continuous transmit.

For AC power line conducted emissions, the EUT was set to connect with the WLAN AP under large package sizes transmission.

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 2.8 dB and 10dB attenuator.

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

= 2.8 + 10 = 12.8 (dB)

3 Test Result

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

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

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

26dB and 99% Occupied bandwidth are reporting only.

3.1.2 Measuring Instruments

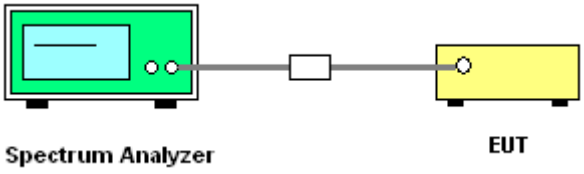
The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

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

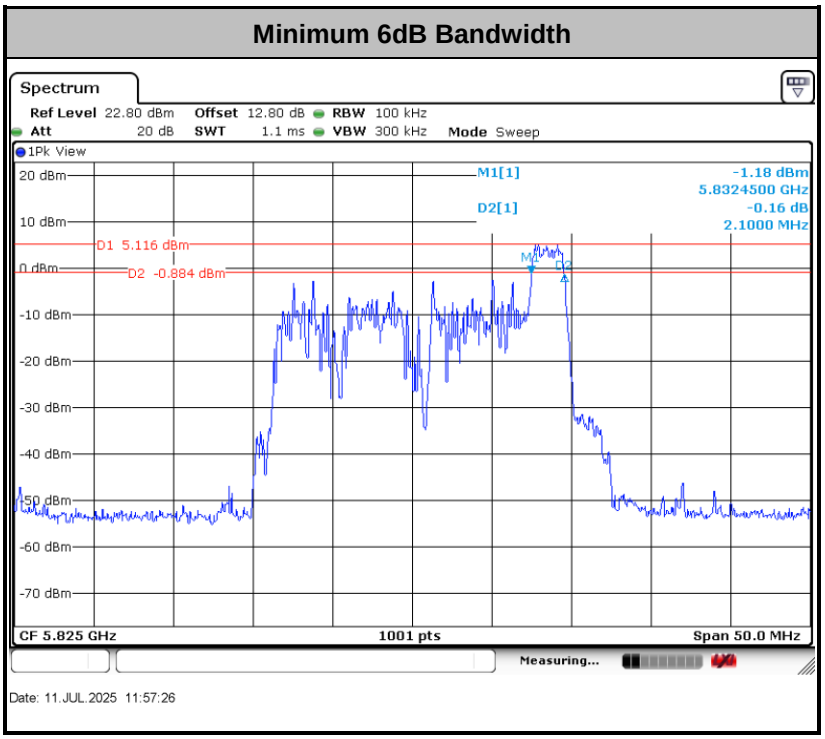
☒	Section C) Bandwidth Measurement 1. Emission Bandwidth (EBW) and 99% OBW
	1. Set RBW = approximately 1% of the emission bandwidth. **2.** Set the VBW > RBW. **3.** Detector = Peak. **4.** Trace mode = max hold **5.** Measure the maximum width of the emission that is 26 dB down from the peak of the 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%. **6.** For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set to 1%~5% of the OBW and set the Video bandwidth (VBW) ≥ 3 * RBW. **7.** Measure and record the results in the test report.
☒	Section C) Bandwidth Measurement 2. Minimum Emission Bandwidth for the band 5.725 - 5.85 GHz
	1. Set RBW = 100kHz. **2.** Set the VBW ≥ 3 x RBW. **3.** Detector = Peak. **4.** Trace mode = max hold **5.** Measure the maximum width of the emission that is 6 dB down from the peak of the emission. **6.** Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 6dB Bandwidth

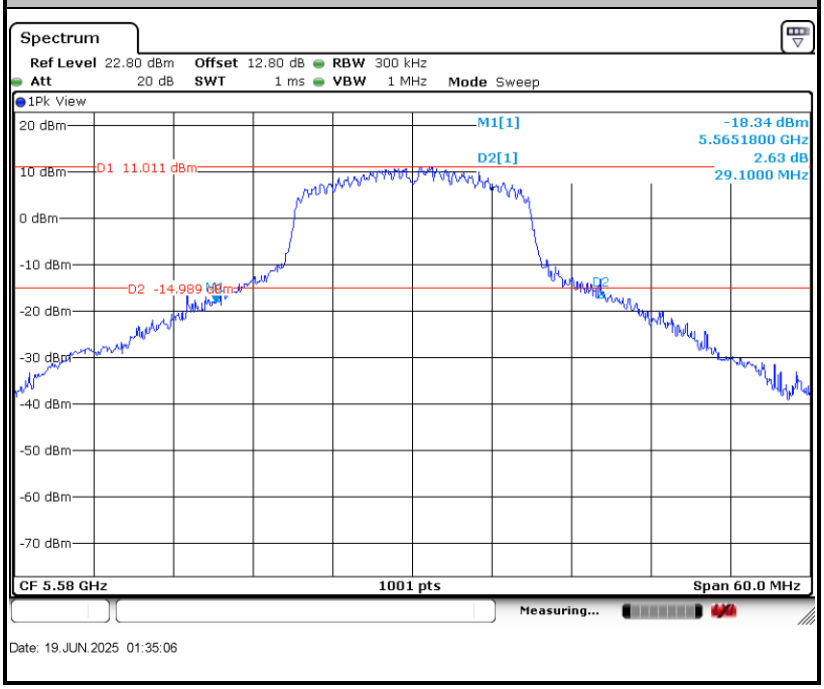
Please refer to Appendix A.



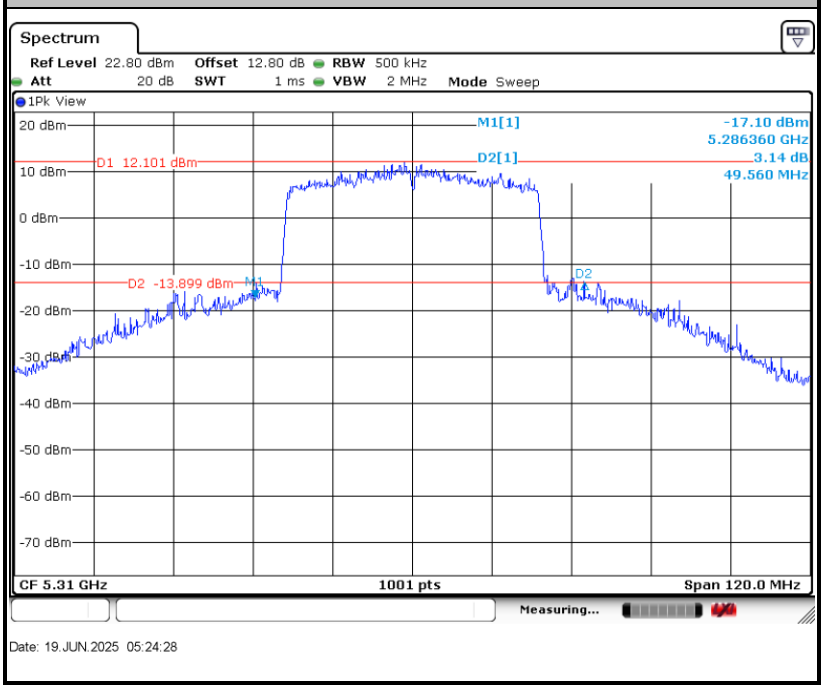
3.1.6 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

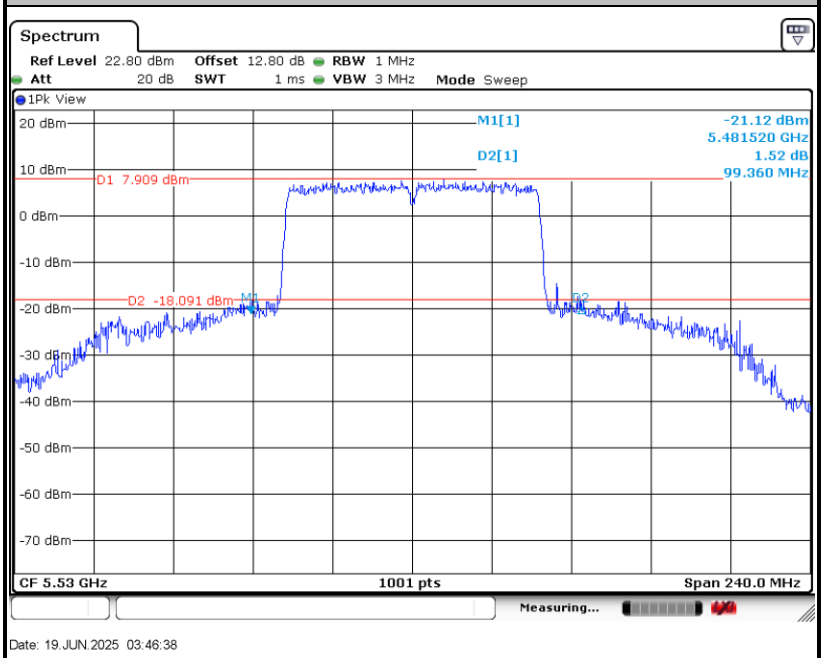
Maximum 26dB Bandwidth for 20M BW



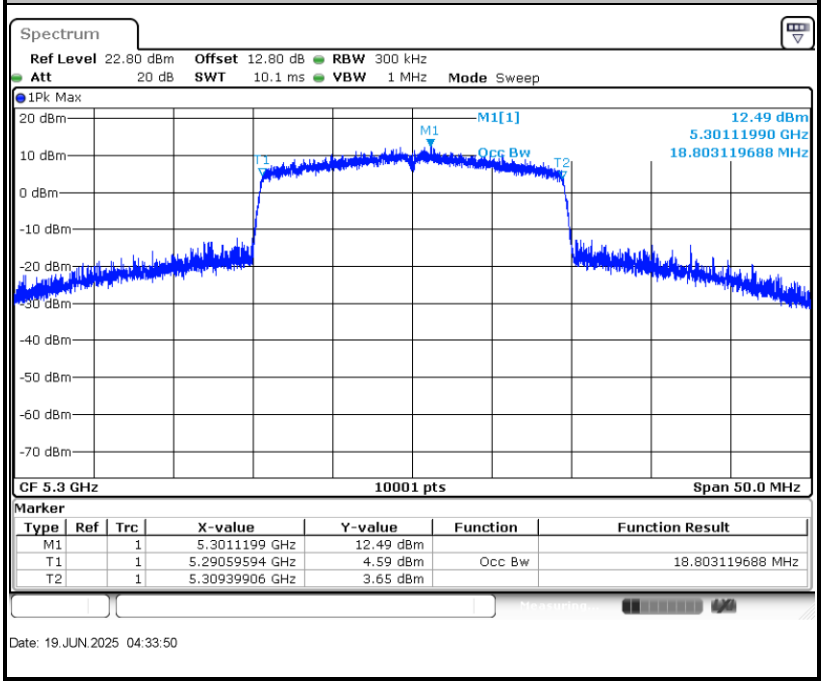
Maximum 26dB Bandwidth for 40M BW



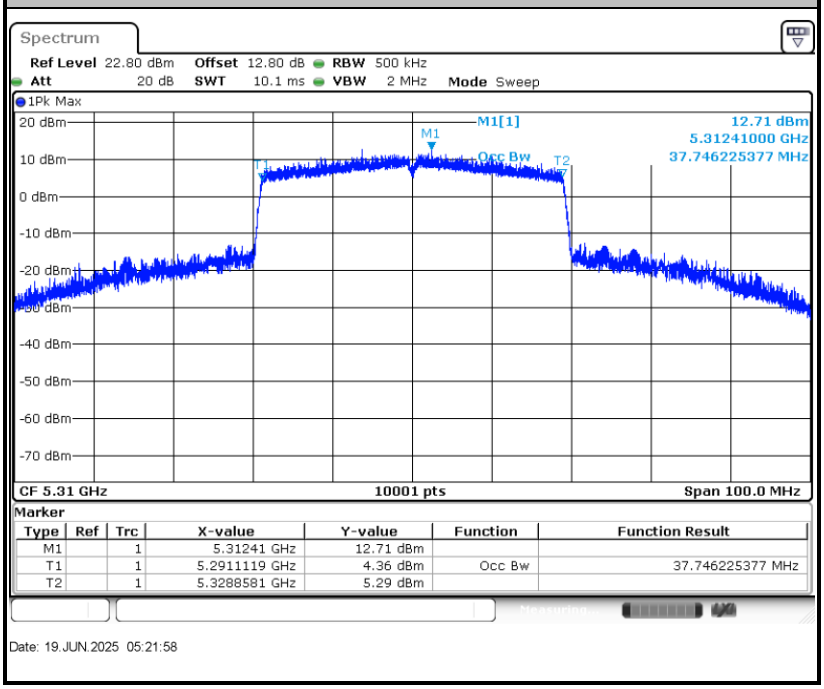
Maximum 26dB Bandwidth for 80M BW



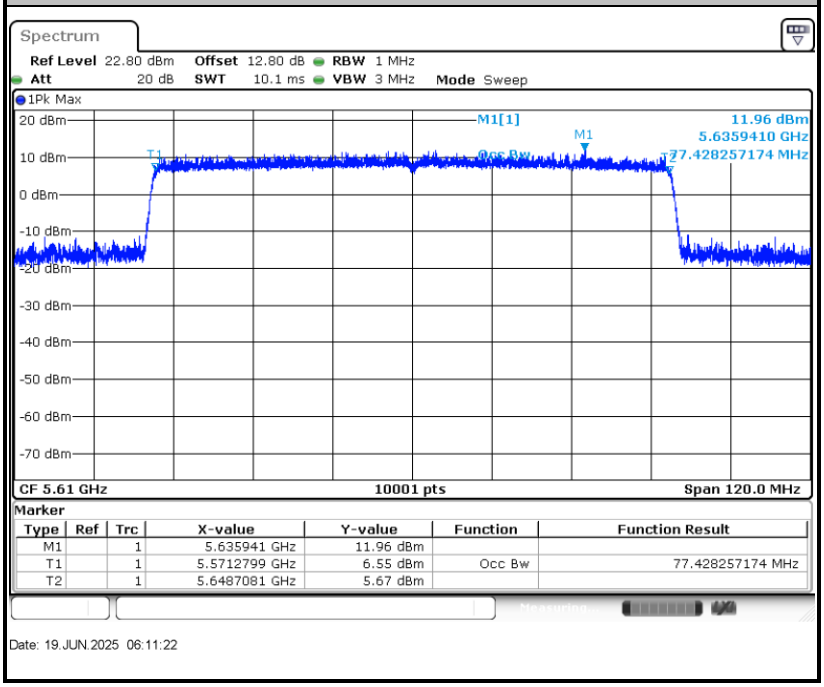
Maximum 99% Occupied Bandwidth for 20M BW



Maximum 99% Occupied Bandwidth for 40M BW



Maximum 99% Occupied Bandwidth for 80M BW



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

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 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 $\log_{10}$ B, where B is the 26 dB emission bandwidth in megahertz.

For the band 5.725–5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

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

The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

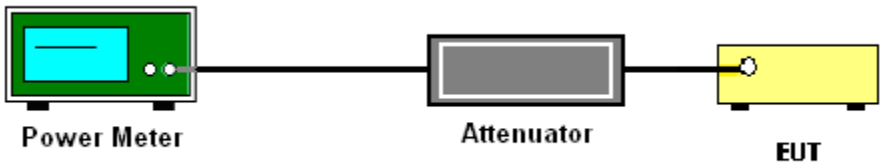
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, 10 log(1/x), where x is the duty cycle.
4. For MIMO mode, the measure-and-sum technique should be used for measuring the in-band transmit power of a device.

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 mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band.

For the 5.25–5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

For the band 5.725–5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz 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

The measuring equipment is listed in the section 4 of 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.

For devices operating in the bands UNII-1/2A/2C

 # 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.

For devices operating in the band UNII-3

 # 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 = 500KHz (or 300 kHz if the SA can’t set RBW=500KHz).
- Set VBW ≥ 1 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- If the SA can’t set RBW=500KHz, then add 10 log(500kHz/RBW) to the test result.
- 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 was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

For UNII-1/2A/2C:

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

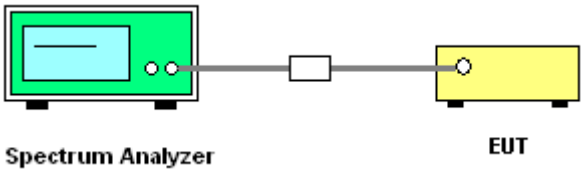
The total final Power Spectral Density is the bin-by-bin summation to obtain the combined spectrum. For the device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points, the spectrum value in the first spectral bin of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

For UNII-3:

Method (c): Measure and add 10 log(N_{ANT}) dB, where N_{ANT} is the number of outputs.

The measurement on each individual output were performed with the same span and number on each individual output. The quantity 10 log(N_{ANT}) dB is added to each spectrum value before comparing to the emission limit.

3.3.4 Test Setup

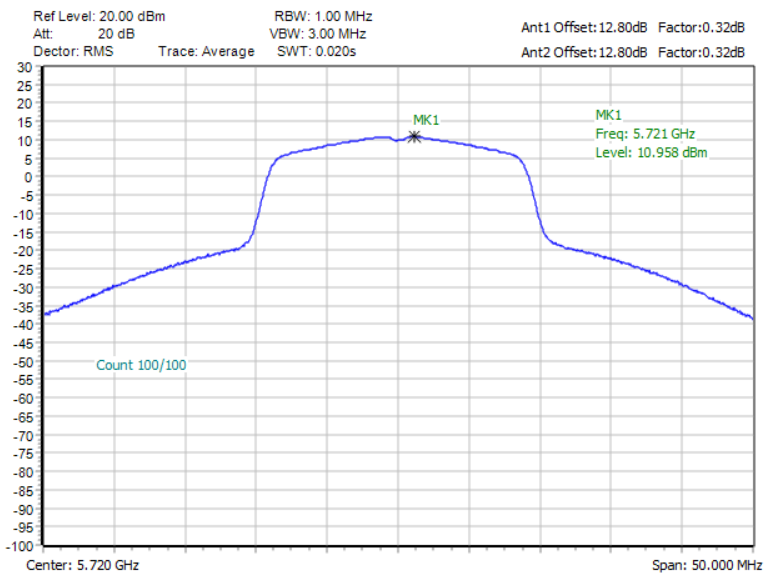


3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

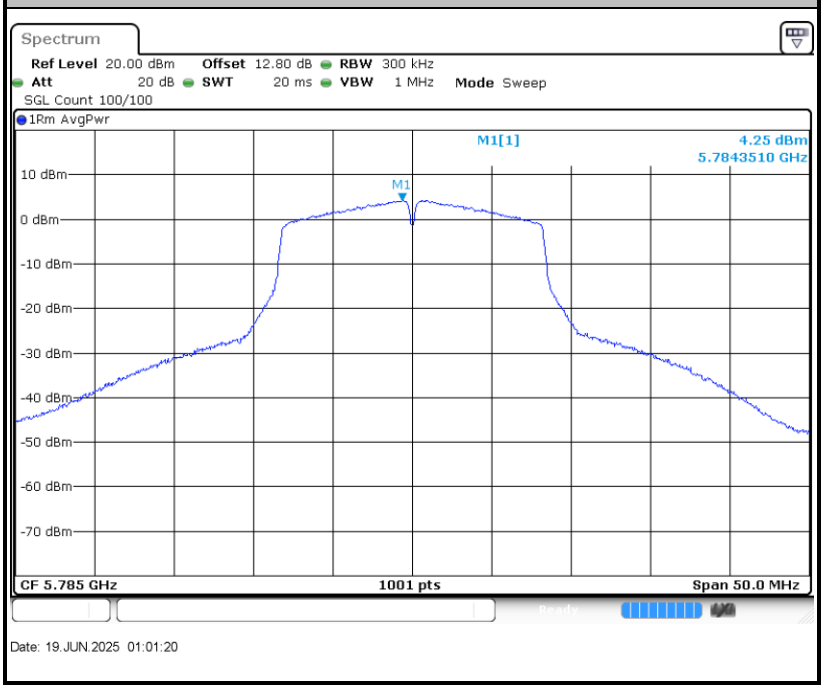
For devices operating in the bands UNII-1/2A/2C

Worst Case Power Density (dBm/MHz) for MIMO ANT6+7

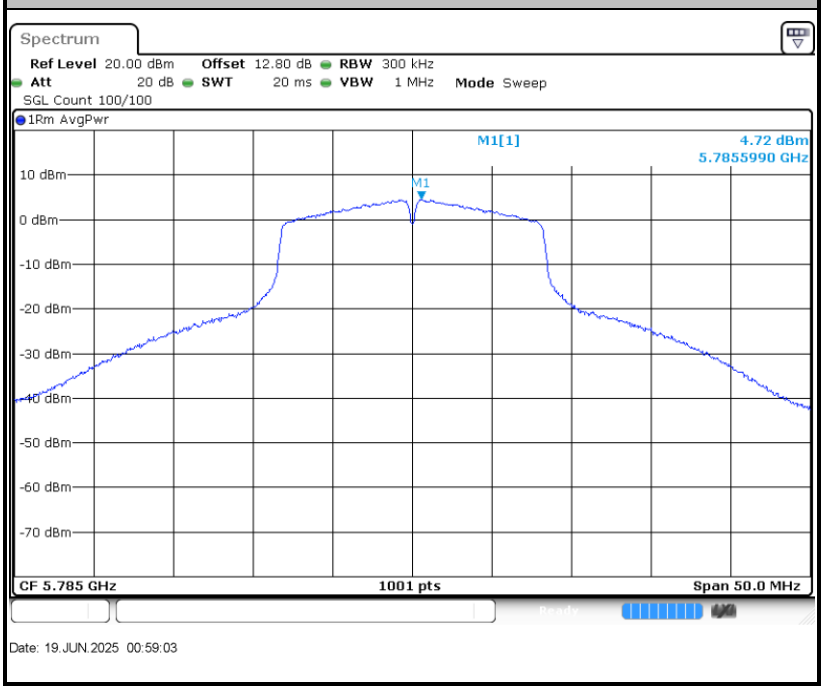


For devices operating in the band UNII-3

Worst Case Power Density (dBm/300kHz) for MIMO ANT6



Worst Case Power Density (dBm/300kHz) for MIMO ANT7



Note: Average Power Density (dB) = Measured value+ Duty Factor + 10 log(500kHz/RBW)

3.4 Unwanted Emissions Measurement

This section as specified in FCC Part 15.407(b) is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement. The unwanted emissions shall comply with 15.407(b)(1) to (6), and restricted bands per FCC Part15.205.

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) For transmitters operating in the 5.725-5.85 GHz band:
15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(3) Unwanted spurious emissions fallen 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

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

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

$$EIRP = E_{Meas} + 20\log(d_{Meas}) - 104.7$$

where

EIRP is the equivalent isotropically radiated power, in dBm

E_{Meas} is the field strength of the emission at the measurement distance, in dBμV/m

d_{Meas} is the measurement distance, in m

(4) ANSI C63.10-2013 clause 12.7.3 note 97

As specified by regulatory requirements, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit. However, an out-of-band emission that complies with both the average and peak general regulatory limits is not required to satisfy the peak emission limit.

3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of 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 1000MHz

   - 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 1000MHz

   - 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.

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

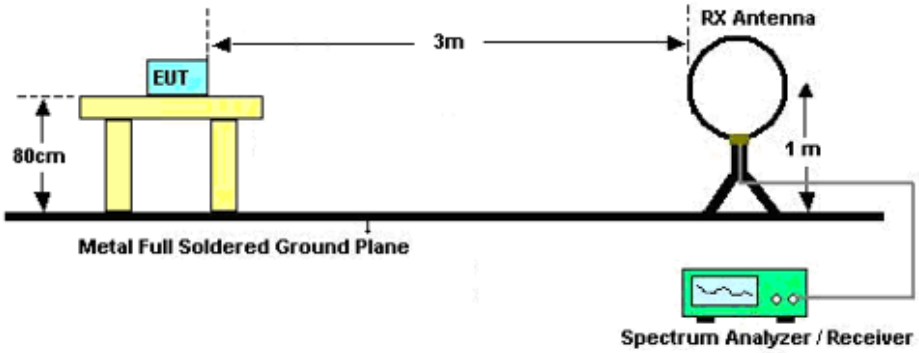
   - RBW = 1 MHz
   - VBW = 3 MHz
   - Detector = power averaging (rms), set span/(# of points in sweep) ≥ RBW/2.
   - Averaging type = power averaging(RMS)
   - The correction factor shall be offset is 10 log (1/x), where x is the duty cycle.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was 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 was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be

repeated one by one using the CISPR quasi-peak method and reported.

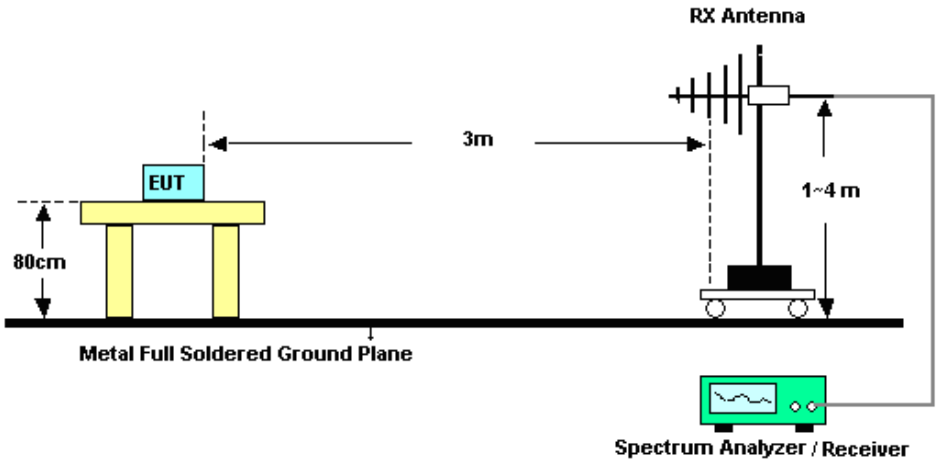
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than peak limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

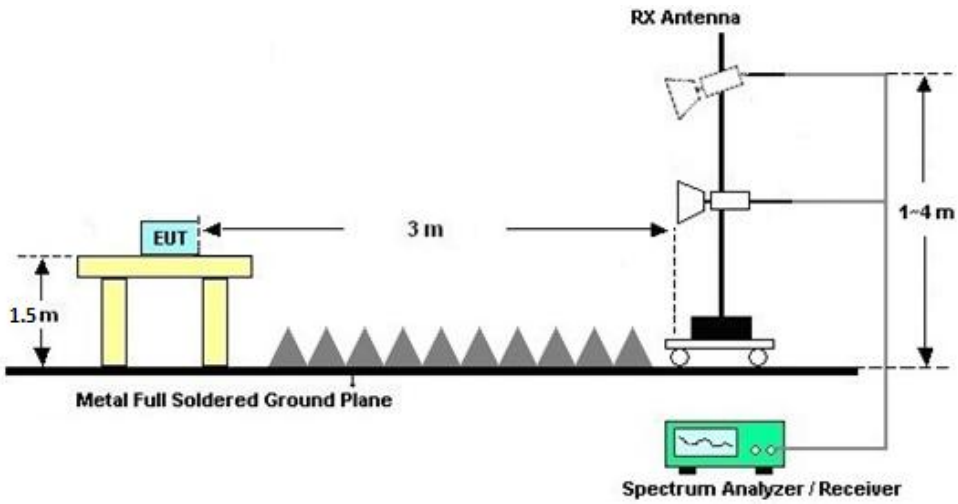
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

There is a comparison data of both open-field test site and semi-Anechoic chamber, 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 or 40GHz, whichever is lower)

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.

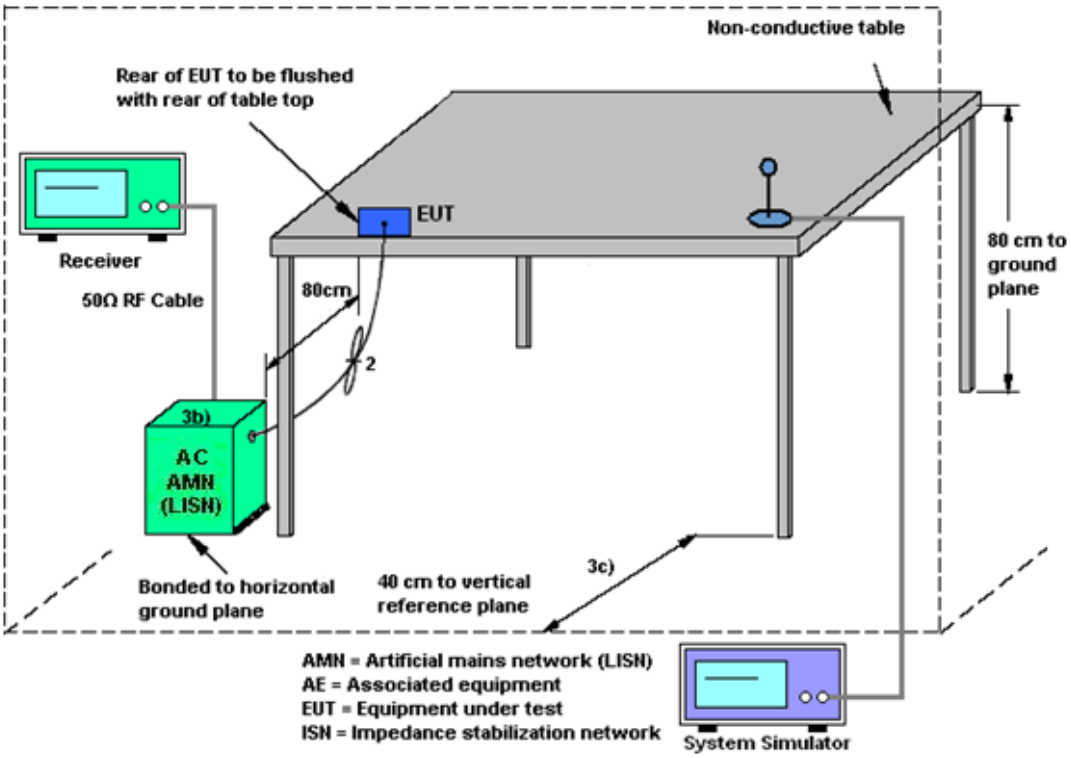
3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

According to FCC 47 CFR Section 15.407(a)(1)(2) ,if transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 Antenna Gain

<STBC Modes>

FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

The EUT supports STBC mode.

For completely uncorrelated transmissions, directional gain is calculated as,

Directional gain = $G_{ANT\ MAX}$(Ant.1 Gain, Ant.2 Gain,…), as following table

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

	Ant. 6 (dBi)	Ant. 7 (dBi)	for Power (dBi)	for PSD (dBi)	Limit Reduction (dB)	Limit Reduction (dB)
UNII-1	1.34	-0.86	1.34	1.34	0.00	0.00
UNII-2A	2.15	0.18	2.15	2.15	0.00	0.00
UNII-2C	3.00	1.69	3.00	3.00	0.00	0.00
UNII-3	0.95	1.75	1.75	1.75	0.00	0.00

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

PSD limit reduction = Composite gain + PSD Array gain – 6dBi, (min = 0)

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 02, 2025	Jun. 19, 2025~ Jul. 11, 2025	Apr. 01, 2026	Conducted (TH01-SZ)
Pulse Power Senor	Anritsu	MA2411B	1339473	30MHz~40GHz	Dec. 25, 2024	Jun. 19, 2025~ Jul. 11, 2025	Dec. 24, 2025	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1218010	50MHz Bandwidth	Oct. 14, 2024	Jun. 19, 2025~ Jul. 11, 2025	Oct. 13, 2025	Conducted (TH01-SZ)
EMI Receiver	R&S	ESR7	102297	9kHz~7GHz;	Jul. 03, 2024	Jun. 29, 2025	Jul. 02, 2025	Conduction (CO02-SZ)
AC LISN	R&S	ENV216	101499	9kHz~30MHz	Jul. 03, 2024	Jun. 29, 2025	Jul. 02, 2025	Conduction (CO02-SZ)
AC Power Source	CHROMA	61601	616010002470	100Vac~250Vac	Dec.25, 2024	Jun. 29, 2025	Dec. 24, 2025	Conduction (CO02-SZ)
EMI Test Receiver&SA	Agilent	N9038A	MY52260185	20Hz~26.5GHz	Dec. 25, 2024	Jul. 04, 2025~ Jul. 31, 2025	Dec. 24, 2025	Radiation (03CH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2025	Jul. 04, 2025~ Jul. 31, 2025	Jul. 02, 2026	Radiation (03CH01-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Jul. 04, 2025~ Jul. 31, 2025	Dec. 27, 2025	Radiation (03CH01-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Oct. 24, 2023	Jul. 04, 2025~ Jul. 31, 2025	Oct. 23, 2025	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2025	Jul. 04, 2025~ Jul. 31, 2025	Jul. 03, 2026	Radiation (03CH01-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 03, 2025	Jul. 04, 2025~ Jul. 31, 2025	Apr. 02, 2027	Radiation (03CH01-SZ)
LF Amplifier	EM Electronics	EM330	060788	20MHz-3GHz	Dec. 25, 2024	Jul. 04, 2025~ Jul. 31, 2025	Dec. 24, 2025	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 14, 2024	Jul. 04, 2025~ Jul. 31, 2025	Oct. 13, 2025	Radiation (03CH01-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 14, 2024	Jul. 04, 2025~ Jul. 31, 2025	Oct. 13, 2025	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2025	Jul. 04, 2025~ Jul. 31, 2025	Jul. 02, 2026	Radiation (03CH01-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	Oct. 14, 2024	Jul. 04, 2025~ Jul. 31, 2025	Oct. 13, 2025	Radiation (03CH01-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Jul. 04, 2025~ Jul. 31, 2025	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Jul. 04, 2025~ Jul. 31, 2025	NCR	Radiation (03CH01-SZ)

NCR: No Calibration Required

5 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	±1.34 dB
Occupied Channel Bandwidth	±0.012 MHz
Conducted Power	±1.34 dB
Conducted Power Spectral Density	±1.32 dB
Frequency	±1.3 Hz

Uncertainty of AC Conducted Emission Measurement (0.15 MHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.5 dB

Uncertainty of Radiated Emission Measurement (9 KHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.8 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.2 dB

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.0 dB

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

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

---------- THE END ----------

Appendix A. Conducted Test Results

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Sam Zheng	Temperature:	21~25	°C
Test Date:	2025/6/19~7/11	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

UNII-1												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)	
					Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7
11a	6Mbps	2	36	5180	16.60	16.50	20.46	21.60	-		22.18	
11a	6Mbps	2	44	5220	16.55	16.50	21.93	22.80	-		22.18	
11a	6Mbps	2	48	5240	16.58	16.48	20.94	22.62	-		22.17	
HT20	MCS0	2	36	5180	17.69	17.65	23.40	24.18	-		22.47	
HT20	MCS0	2	44	5220	17.71	17.68	24.72	24.42	-		22.48	
HT20	MCS0	2	48	5240	17.72	17.67	23.76	25.74	-		22.47	
HT40	MCS0	2	38	5190	36.30	36.22	45.84	45.00	-		23.01	
HT40	MCS0	2	46	5230	36.38	36.21	45.96	46.92	-		23.01	
VHT80	MCS0	2	42	5210	75.66	75.69	98.64	97.20	-		23.01	
HE20	MCS0	2	36	5180	18.74	18.80	20.04	20.52	-		22.73	
HE20	MCS0	2	44	5220	18.73	18.78	20.10	21.12	-		22.73	
HE20	MCS0	2	48	5240	18.73	18.78	20.04	24.00	-		22.73	
HE40	MCS0	2	38	5190	37.59	37.69	46.80	44.28	-		23.01	
HE40	MCS0	2	46	5230	37.62	37.71	45.24	48.24	-		23.01	
HE80	MCS0	2	42	5210	77.33	77.38	80.88	88.08	-		23.01	

TEST RESULTS DATA
Power Spectral Density

UNII-1															
Mod.	Data Rate	N_{TX}	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7	
11a	6Mbps	2	36	Full	5180	0.30	0.30			8.11	11.00		1.34		Pass
11a	6Mbps	2	44	Full	5220	0.30	0.30			8.45	11.00		1.34		Pass
11a	6Mbps	2	48	Full	5240	0.30	0.30			8.53	11.00		1.34		Pass
HT20	MCS0	2	36	Full	5180	0.32	0.32			8.03	11.00		1.34		Pass
HT20	MCS0	2	44	Full	5220	0.32	0.32			8.46	11.00		1.34		Pass
HT20	MCS0	2	48	Full	5240	0.32	0.32			8.23	11.00		1.34		Pass
HT40	MCS0	2	38	Full	5190	0.70	0.63			7.34	11.00		1.34		Pass
HT40	MCS0	2	46	Full	5230	0.70	0.63			7.87	11.00		1.34		Pass
VHT80	MCS0	2	42	Full	5210	0.36	0.32			2.48	11.00		1.34		Pass
HE20	MCS0	2	36	Full	5180	0.45	0.41			8.16	11.00		1.34		Pass
				26/0		0.45	0.41			7.77	11.00		1.34		Pass
				52/37		0.45	0.41			7.97	11.00		1.34		Pass
				106/53		0.45	0.41			7.76	11.00		1.34		Pass
HE20	MCS0	2	44	Full	5220	0.45	0.41			8.45	11.00		1.34		Pass
HE20	MCS0	2	48	Full	5240	0.45	0.41			8.19	11.00		1.34		Pass
HE40	MCS0	2	38	Full	5190	0.24	0.26			7.17	11.00		1.34		Pass
HE40	MCS0	2	46	Full	5230	0.24	0.26			7.55	11.00		1.34		Pass
HE80	MCS0	2	42	Full	5210	0.43	0.43			3.15	11.00		1.34		Pass

TEST RESULTS DATA
26dB and 99% OBW

UNII-2A																
Mod.	Data Rate	NTX	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)	
					Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7
11a	6Mbps	2	52	5260	16.58	16.50	20.22	23.52	23.18		29.18		23.98	
11a	6Mbps	2	60	5300	16.55	16.47	20.88	22.32	23.17		29.17		23.98	
11a	6Mbps	2	64	5320	16.56	16.48	21.60	22.74	23.17		29.17		23.98	
HT20	MCS0	2	52	5260	17.62	17.63	22.20	22.74	23.46		29.46		23.98	
HT20	MCS0	2	60	5300	17.65	17.64	21.96	24.48	23.46		29.46		23.98	
HT20	MCS0	2	64	5320	17.66	17.65	22.32	24.90	23.47		29.47		23.98	
HT40	MCS0	2	54	5270	36.25	36.15	46.20	45.60	23.98		30.00		23.98	
HT40	MCS0	2	62	5310	36.30	36.19	45.60	45.60	23.98		30.00		23.98	
VHT80	MCS0	2	58	5290	75.70	75.70	86.40	96.00	23.98		30.00		23.98	
HE20	MCS0	2	52	5260	18.74	18.78	20.04	25.26	23.73		29.73		23.98	
HE20	MCS0	2	60	5300	18.73	18.80	21.78	22.02	23.72		29.72		23.98	
HE20	MCS0	2	64	5320	18.73	18.80	20.16	21.72	23.73		29.73		23.98	
HE40	MCS0	2	54	5270	37.57	37.72	39.84	49.44	23.98		30.00		23.98	
HE40	MCS0	2	62	5310	37.60	37.75	39.84	49.56	23.98		30.00		23.98	
HE80	MCS0	2	58	5290	77.32	77.39	80.88	91.20	23.98		30.00		23.98	

TEST RESULTS DATA
Power Spectral Density

UNII-2A																
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7	
11a	6Mbps	2	52	Full	5260	0.30	0.30			10.91	11.00		2.15		Pass
11a	6Mbps	2	60	Full	5300	0.30	0.30			10.77	11.00		2.15		Pass
11a	6Mbps	2	64	Full	5320	0.30	0.30			10.46	11.00		2.15		Pass
HT20	MCS0	2	52	Full	5260	0.32	0.32			10.74	11.00		2.15		Pass
HT20	MCS0	2	60	Full	5300	0.32	0.32			10.54	11.00		2.15		Pass
HT20	MCS0	2	64	Full	5320	0.32	0.32			10.40	11.00		2.15		Pass
HT40	MCS0	2	54	Full	5270	0.70	0.63			7.99	11.00		2.15		Pass
HT40	MCS0	2	62	Full	5310	0.70	0.63			7.47	11.00		2.15		Pass
VHT80	MCS0	2	58	Full	5290	0.36	0.32			2.77	11.00		2.15		Pass
HE20	MCS0	2	52	Full	5260	0.10	0.03			10.63	11.00		2.15		Pass
HE20	MCS0	2	60	Full	5300	0.10	0.03			10.46	11.00		2.15		Pass
HE20	MCS0	2	64	Full	5320	0.10	0.03			10.36	11.00		2.15		Pass
				26/8		0.10	0.03			10.19	11.00		2.15		Pass
				52/40		0.10	0.03			10.09	11.00		2.15		Pass
				106/54		0.10	0.03			10.04	11.00		2.15		Pass
HE40	MCS0	2	54	Full	5270	0.12	0.10			7.73	11.00		2.15		Pass
HE40	MCS0	2	62	Full	5310	0.12	0.10			7.48	11.00		2.15		Pass
HE80	MCS0	2	58	Full	5290	0.20	0.18			3.15	11.00		2.15		Pass

TEST RESULTS DATA
26dB and 99% OBW

UNII-2C															
Mod.	Data Rate	NTX	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)	
					Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7
11a	6Mbps	2	100	5500	16.51	16.53	20.16	26.58	23.18		29.18		23.98	
11a	6Mbps	2	116	5580	16.50	16.58	20.10	24.90	23.18		29.18		23.98	
11a	6Mbps	2	140	5700	16.55	16.65	20.22	26.94	23.19		29.19		23.98	
11a	6Mbps	2	144	5720	16.53	16.68	21.10	25.02	23.18		29.18		23.98	
HT20	MCS0	2	100	5500	17.62	17.72	22.14	27.48	23.46		29.46		23.98	
HT20	MCS0	2	116	5580	17.61	17.75	20.94	29.10	23.46		29.46		23.98	
HT20	MCS0	2	140	5700	17.64	17.86	21.18	28.68	23.47		29.47		23.98	
HT20	MCS0	2	144	5720	17.60	17.81	20.88	28.38	23.45		29.45		23.98	
HT40	MCS0	2	102	5510	36.16	36.15	41.16	45.48	23.98		30.00		23.98	
HT40	MCS0	2	110	5550	36.18	36.20	42.12	45.60	23.98		30.00		23.98	
HT40	MCS0	2	134	5670	36.15	36.29	42.24	48.96	23.98		30.00		23.98	
HT40	MCS0	2	142	5710	36.17	36.24	41.28	47.28	23.98		30.00		23.98	
VHT80	MCS0	2	106	5530	75.60	75.72	85.68	99.36	23.98		30.00		23.98	
VHT80	MCS0	2	122	5610	75.54	75.78	81.12	99.12	23.98		30.00		23.98	
VHT80	MCS0	2	138	5690	75.59	75.93	87.84	95.04	23.98		30.00		23.98	
HE20	MCS0	2	100	5500	18.72	18.77	20.04	20.10	23.72		29.72		23.98	
HE20	MCS0	2	116	5580	18.70	18.77	19.98	20.10	23.72		29.72		23.98	
HE20	MCS0	2	140	5700	18.71	18.79	20.10	20.40	23.72		29.72		23.98	
HE20	MCS0	2	144	5720	18.72	18.79	20.04	26.88	23.72		29.72		23.98	
HE40	MCS0	2	102	5510	37.57	37.65	39.84	44.88	23.98		30.00		23.98	
HE40	MCS0	2	110	5550	37.57	37.66	39.96	40.32	23.98		30.00		23.98	
HE40	MCS0	2	134	5670	37.59	37.72	39.96	48.24	23.98		30.00		23.98	
HE40	MCS0	2	142	5710	37.56	37.69	39.96	39.60	23.98		30.00		23.98	
HE80	MCS0	2	106	5530	77.33	77.39	80.88	80.88	23.98		30.00		23.98	
HE80	MCS0	2	122	5610	77.20	77.43	80.88	84.24	23.98		30.00		23.98	
HE80	MCS0	2	138	5690	77.27	77.42	80.88	80.88	23.98		30.00		23.98	

TEST RESULTS DATA
Power Spectral Density

UNII-2C															
Mod.	Data Rate	NTX	CH.		Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7	
11a	6Mbps	2	100	Full	5500	0.30	0.30			10.43	11.00		3.00		Pass
11a	6Mbps	2	116	Full	5580	0.30	0.30			10.32	11.00		3.00		Pass
11a	6Mbps	2	140	Full	5700	0.30	0.30			10.64	11.00		3.00		Pass
11a	6Mbps	2	144	Full	5720	0.30	0.30			10.77	11.00		3.00		Pass
HT20	MCS0	2	100	Full	5500	0.32	0.32			10.71	11.00		3.00		Pass
HT20	MCS0	2	116	Full	5580	0.32	0.32			10.60	11.00		3.00		Pass
HT20	MCS0	2	140	Full	5700	0.32	0.32			10.88	11.00		3.00		Pass
HT20	MCS0	2	144	Full	5720	0.32	0.32			10.96	11.00		3.00		Pass
HT40	MCS0	2	102	Full	5510	0.70	0.63			6.99	11.00		3.00		Pass
HT40	MCS0	2	110	Full	5550	0.70	0.63			6.95	11.00		3.00		Pass
HT40	MCS0	2	134	Full	5670	0.70	0.63			6.91	11.00		3.00		Pass
HT40	MCS0	2	142	Full	5710	0.70	0.63			7.19	11.00		3.00		Pass
VHT80	MCS0	2	106	Full	5530	0.36	0.32			2.05	11.00		3.00		Pass
VHT80	MCS0	2	122	Full	5610	0.36	0.32			1.95	11.00		3.00		Pass
VHT80	MCS0	2	138	Full	5690	0.36	0.32			2.08	11.00		3.00		Pass
HE20	MCS0	2	100	Full	5500	0.10	0.03			10.04	11.00		3.00		Pass
				26/0		0.10	0.03			10.00	11.00		3.00		Pass
				52/37		0.10	0.03			9.90	11.00		3.00		Pass
				106/53		0.10	0.03			10.03	11.00		3.00		Pass
HE20	MCS0	2	116	Full	5580	0.10	0.03			9.63	11.00		3.00		Pass
HE20	MCS0	2	140	Full	5700	0.10	0.03			9.93	11.00		3.00		Pass
				26/8		0.10	0.03			9.81	11.00		3.00		Pass
				52/40		0.10	0.03			9.68	11.00		3.00		Pass
				106/54		0.10	0.03			9.76	11.00		3.00		Pass
HE20	MCS0	2	144	Full	5720	0.10	0.03			9.99	11.00		3.00		Pass
HE40	MCS0	2	102	Full	5510	0.12	0.10			7.10	11.00		3.00		Pass
HE40	MCS0	2	110	Full	5550	0.12	0.10			6.97	11.00		3.00		Pass
HE40	MCS0	2	134	Full	5670	0.12	0.10			6.99	11.00		3.00		Pass
HE40	MCS0	2	142	Full	5710	0.12	0.10			7.20	11.00		3.00		Pass
HE80	MCS0	2	106	Full	5530	0.20	0.18			2.35	11.00		3.00		Pass
HE80	MCS0	2	122	Full	5610	0.20	0.18			2.45	11.00		3.00		Pass
HE80	MCS0	2	138	Full	5690	0.20	0.18			2.68	11.00		3.00		Pass

TEST RESULTS DATA
Average Power Table

UNII-1																	
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail	Power Setting
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	36	Full	5180	0.30	0.30	15.64	13.49	17.71	24.00		1.34		Pass	17/15.5
11a	6Mbps	2	44	Full	5220	0.30	0.30	15.66	13.98	17.91	24.00		1.34		Pass	17/15.5
11a	6Mbps	2	48	Full	5240	0.30	0.30	15.57	14.01	17.87	24.00		1.34		Pass	17/15.5
HT20	MCS0	2	36	Full	5180	0.32	0.32	16.12	13.34	17.96	24.00		1.34		Pass	17.5/15.5
HT20	MCS0	2	44	Full	5220	0.32	0.32	15.84	14.03	18.04	24.00		1.34		Pass	17.5/15.5
HT20	MCS0	2	48	Full	5240	0.32	0.32	15.33	13.28	17.44	24.00		1.34		Pass	17/15
HT40	MCS0	2	38	Full	5190	0.70	0.63	8.76	7.90	11.36	24.00		1.34		Pass	10
HT40	MCS0	2	46	Full	5230	0.70	0.63	17.96	14.82	19.68	24.00		1.34		Pass	19/16
VHT20	MCS0	2	36	Full	5180	0.32	0.32	16.00	13.30	17.87	24.00		1.34		Pass	17.5/15.5
VHT20	MCS0	2	44	Full	5220	0.32	0.32	15.80	13.90	17.96	24.00		1.34		Pass	17.5/15.5
VHT20	MCS0	2	48	Full	5240	0.32	0.32	15.32	13.02	17.33	24.00		1.34		Pass	17/15
VHT40	MCS0	2	38	Full	5190	0.69	0.59	8.71	7.87	11.32	24.00		1.34		Pass	10
VHT40	MCS0	2	46	Full	5230	0.69	0.59	17.73	14.65	19.47	24.00		1.34		Pass	19/16
VHT80	MCS0	2	42	Full	5210	0.36	0.32	9.91	9.74	12.84	24.00		1.34		Pass	11
HE20	MCS0	2	36	Full	5180	0.45	0.41	15.93	13.87	18.03	24.00		1.34		Pass	17/15.5
				26/0		0.45	0.41	8.11	5.58	10.04	24.00		1.34		Pass	8.5/7
				52/37		0.45	0.41	11.02	8.77	13.05	24.00		1.34		Pass	11.5/10
				106/53		0.45	0.41	13.87	11.15	15.73	24.00		1.34		Pass	14/12.5
			44	Full	5220	0.45	0.41	16.45	14.35	18.54	24.00		1.34		Pass	17.5/15.5
			48	Full	5240	0.45	0.41	15.97	14.09	18.14	24.00		1.34		Pass	17/15
HE40	MCS0	2	38	Full	5190	0.24	0.26	14.22	14.03	17.14	24.00		1.34		Pass	15.5
			46	Full	5230	0.26	0.26	17.99	14.92	19.73	24.00		1.34		Pass	19/16
HE80	MCS0	2	42	Full	5210	0.43	0.43	10.05	9.92	12.99	24.00		1.34		Pass	11.5

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TEST RESULTS DATA
Average Power Table

UNII-2A																	
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail	Power Setting
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7			
11a	6Mbps	2	52	Full	5260	0.30	0.30	17.53	14.42	19.26	23.98		2.15		26.99	Pass	19/16
11a	6Mbps	2	60	Full	5300	0.30	0.30	17.41	14.36	19.16	23.98		2.15		26.99	Pass	19/16
11a	6Mbps	2	64	Full	5320	0.30	0.30	17.02	14.28	18.87	23.98		2.15		26.99	Pass	18.5/16
HT20	MCS0	2	52	Full	5260	0.32	0.32	17.62	14.48	19.34	23.98		2.15		26.99	Pass	19/16
HT20	MCS0	2	60	Full	5300	0.32	0.32	17.49	14.41	19.23	23.98		2.15		26.99	Pass	19/16
HT20	MCS0	2	64	Full	5320	0.32	0.32	17.10	14.38	18.96	23.98		2.15		26.99	Pass	18.5/16
HT40	MCS0	2	54	Full	5270	0.70	0.63	17.95	15.82	20.02	23.98		2.15		26.99	Pass	19/17
HT40	MCS0	2	62	Full	5310	0.70	0.63	10.81	10.69	13.76	23.98		2.15		26.99	Pass	12
VHT20	MCS0	2	52	Full	5260	0.32	0.32	17.58	14.36	19.27	23.98		2.15		26.99	Pass	19/16
VHT20	MCS0	2	60	Full	5300	0.32	0.32	17.37	14.27	19.10	23.98		2.15		26.99	Pass	19/16
VHT20	MCS0	2	64	Full	5320	0.32	0.32	17.01	14.29	18.87	23.98		2.15		26.99	Pass	18.5/16
VHT40	MCS0	2	54	Full	5270	0.69	0.59	17.69	15.69	19.81	23.98		2.15		26.99	Pass	19/17
VHT40	MCS0	2	62	Full	5310	0.69	0.59	10.67	10.51	13.60	23.98		2.15		26.99	Pass	12
VHT80	MCS0	2	58	Full	5290	0.36	0.32	10.45	10.53	13.50	23.98		2.15		26.99	Pass	11.5
HE20	MCS0	2	52	Full	5260	0.45	0.41	17.96	15.96	20.08	23.98		2.15		26.99	Pass	19/17
			60	Full	5300	0.45	0.41	17.98	15.97	20.10	23.98		2.15		26.99	Pass	19/17
			64	Full	5320	0.45	0.41	16.39	15.99	19.20	23.98		2.15		26.99	Pass	17.5/17
				26/8		0.45	0.41	9.26	8.44	11.88	23.98		2.15		26.99	Pass	9.5/9
				52/40		0.45	0.41	12.05	11.03	14.58	23.98		2.15		26.99	Pass	12/11.5
				106/54		0.45	0.41	15.10	14.05	17.62	23.98		2.15		26.99	Pass	15/14.5
HE40	MCS0	2	54	Full	5270	0.24	0.26	17.96	15.99	20.10	23.98		2.15		26.99	Pass	19/17
			62	Full	5310	0.24	0.26	14.34	14.38	17.37	23.98		2.15		26.99	Pass	15.5
HE80	MCS0	2	58	Full	5290	0.43	0.43	11.25	11.38	14.32	23.98		2.15		26.99	Pass	12.5

TEST RESULTS DATA
Average Power Table

UNII-2C																	
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail	Power Setting
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7			
11a	6Mbps	2	100	Full	5500	0.30	0.30	15.54	14.63	18.12	23.98		3.00		26.99	Pass	17.5/16
11a	6Mbps	2	116	Full	5580	0.30	0.30	17.23	14.62	19.13	23.98		3.00		26.99	Pass	19.5/16
11a	6Mbps	2	136	Full	5680	0.30	0.30	15.79	17.08	19.49	23.98		3.00		26.99	Pass	18.5
11a	6Mbps	2	140	Full	5700	0.30	0.30	13.16	14.13	16.68	23.98		3.00		26.99	Pass	15.5
11a	6Mbps	2	144	Full	5720	0.30	0.30	17.27	14.61	19.15	23.98		3.00		26.99	Pass	19.5/16
HT20	MCS0	2	100	Full	5500	0.32	0.32	14.81	14.63	17.73	23.98		3.00		26.99	Pass	17/16.5
HT20	MCS0	2	116	Full	5580	0.32	0.32	17.66	14.77	19.46	23.98		3.00		26.99	Pass	20/16.5
HT20	MCS0	2	140	Full	5700	0.32	0.32	14.13	14.81	17.50	23.98		3.00		26.99	Pass	16.5
HT20	MCS0	2	144	Full	5720	0.32	0.32	17.57	14.81	19.42	23.98		3.00		26.99	Pass	20/16.5
HT40	MCS0	2	102	Full	5510	0.70	0.63	13.63	13.94	16.80	23.98		3.00		26.99	Pass	15.5
HT40	MCS0	2	110	Full	5550	0.70	0.63	17.20	15.11	19.29	23.98		3.00		26.99	Pass	19/16.5
HT40	MCS0	2	134	Full	5670	0.70	0.63	14.47	15.03	17.77	23.98		3.00		26.99	Pass	16.5
HT40	MCS0	2	142	Full	5710	0.70	0.63	17.04	15.47	19.34	23.98		3.00		26.99	Pass	19/16.5
VHT20	MCS0	2	100	Full	5500	0.32	0.32	14.57	14.58	17.59	23.98		3.00		26.99	Pass	17/16.5
VHT20	MCS0	2	116	Full	5580	0.32	0.32	17.65	14.72	19.44	23.98		3.00		26.99	Pass	20/16.5
VHT20	MCS0	2	140	Full	5700	0.32	0.32	14.01	14.78	17.42	23.98		3.00		26.99	Pass	16.5
VHT20	MCS0	2	144	Full	5720	0.32	0.32	17.55	14.79	19.40	23.98		3.00		26.99	Pass	20/16.5
VHT40	MCS0	2	102	Full	5510	0.69	0.59	13.50	13.75	16.64	23.98		3.00		26.99	Pass	15.5
VHT40	MCS0	2	110	Full	5550	0.69	0.59	17.11	14.83	19.13	23.98		3.00		26.99	Pass	19/16.5
VHT40	MCS0	2	134	Full	5670	0.69	0.59	14.45	14.91	17.69	23.98		3.00		26.99	Pass	16.5
VHT40	MCS0	2	142	Full	5710	0.69	0.59	17.02	14.97	19.12	23.98		3.00		26.99	Pass	19/16.5
VHT80	MCS0	2	106	Full	5530	0.36	0.32	9.22	9.87	12.57	23.98		3.00		26.99	Pass	11
VHT80	MCS0	2	122	Full	5610	0.36	0.32	16.48	15.28	18.93	23.98		3.00		26.99	Pass	18.5/16.5
VHT80	MCS0	2	138	Full	5690	0.36	0.32	17.04	15.30	19.27	23.98		3.00		26.99	Pass	19/16.5
HE20	MCS0	2	100	Full	5500	0.45	0.41	15.07	15.23	18.16	23.98		3.00		26.99	Pass	17/16.5
				26/0		0.45	0.41	8.21	7.96	11.10	23.98		3.00		26.99	Pass	9/8.5
				52/37		0.45	0.41	11.03	11.02	14.04	23.98		3.00		26.99	Pass	12/11.5
				106/53		0.45	0.41	14.16	14.11	17.15	23.98		3.00		26.99	Pass	15/14.5
			116	Full	5580	0.45	0.41	17.22	15.49	19.45	23.98		3.00		26.99	Pass	19/16.5
			136	Full	5680	0.45	0.41	15.02	15.59	18.32	23.98		3.00		26.99	Pass	17.5
			140	Full	5700	0.45	0.41	13.03	13.86	16.47	23.98		3.00		26.99	Pass	15
				26/8		0.45	0.41	5.63	6.50	9.10	23.98		3.00		26.99	Pass	6.5
				52/40		0.45	0.41	8.12	9.33	11.78	23.98		3.00		26.99	Pass	9.5
				106/54		0.45	0.41	11.28	12.36	14.86	23.98		3.00		26.99	Pass	12.5
			144	Full	5720	0.45	0.41	17.03	15.49	19.34	23.98		3.00		26.99	Pass	19/16.5
HE40	MCS0	2	102	Full	5510	0.24	0.26	13.42	13.91	16.68	23.98		3.00		26.99	Pass	15
			110	Full	5550	0.24	0.26	17.48	15.46	19.60	23.98		3.00		26.99	Pass	19/16.5
			134	Full	5670	0.24	0.26	14.65	15.42	18.06	23.98		3.00		26.99	Pass	16.5
			142	Full	5710	0.24	0.26	17.23	15.48	19.45	23.98		3.00		26.99	Pass	19/16.5
HE80	MCS0	2	106	Full	5530	0.43	0.43	12.31	12.85	15.60	23.98		3.00		26.99	Pass	14
			122	Full	5610	0.43	0.43	15.97	15.41	18.71	23.98		3.00		26.99	Pass	18/16.5
			138	Full	5690	0.43	0.43	17.12	15.47	19.38	23.98		3.00		26.99	Pass	19/16.5

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

UNII-3														
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)		Pass/Fail
						Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	
11a	6Mbps	2	149	Full	5745	16.73	17.44	24.30	29.52	15.20	13.95	0.5		Pass
11a	6Mbps	2	157	Full	5785	16.66	17.56	23.52	28.14	15.20	15.20	0.5		Pass
11a	6Mbps	2	165	Full	5825	16.75	17.34	25.32	27.60	15.15	15.15	0.5		Pass
HT20	MCS0	2	149	Full	5745	17.68	17.78	25.08	28.32	15.10	15.20	0.5		Pass
HT20	MCS0	2	157	Full	5785	17.66	17.77	23.16	28.38	15.20	15.20	0.5		Pass
HT20	MCS0	2	165	Full	5825	17.65	17.74	24.84	26.70	15.15	15.20	0.5		Pass
HT40	MCS0	2	151	Full	5755	36.21	36.22	41.28	45.96	35.28	35.28	0.5		Pass
HT40	MCS0	2	159	Full	5795	36.26	36.23	45.84	45.72	35.19	35.19	0.5		Pass
VHT80	MCS0	2	155	Full	5775	75.64	75.86	88.08	96.24	76.16	76.64	0.5		Pass
HE20	MCS0	2	149	Full	5745	18.72	18.77	20.10	20.10	16.15	16.45	0.5		Pass
HE20	MCS0	2	149	26/0	5745	-	-	-	-	2.10	2.15	0.5		Pass
HE20	MCS0	2	157	Full	5785	18.72	18.77	20.10	20.10	15.70	15.25	0.5		Pass
HE20	MCS0	2	165	Full	5825	18.73	18.77	20.28	20.04	16.10	15.20	0.5		Pass
HE20	MCS0	2	165	26/8	5825	-	-	-	-	2.10	2.15	0.5		Pass
HE40	MCS0	2	151	Full	5755	37.56	37.70	39.84	45.12	36.18	35.28	0.5		Pass
HE40	MCS0	2	159	Full	5795	37.59	37.68	39.96	46.92	36.00	35.28	0.5		Pass
HE80	MCS0	2	155	Full	5775	77.33	77.42	81.60	97.68	78.24	78.08	0.5		Pass

TEST RESULTS DATA
Average Power Table

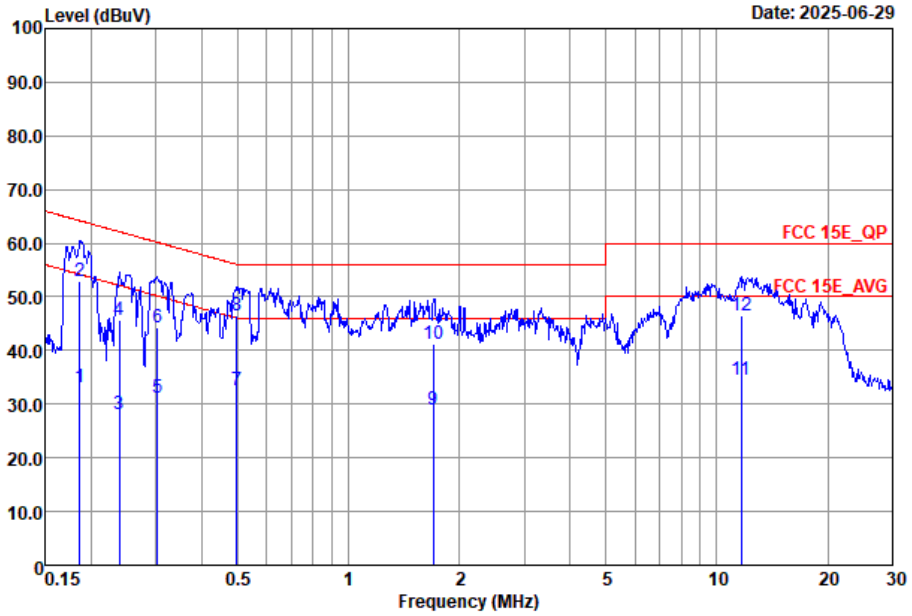
UNII-3																	
Mod.	Data Rate	N_{TX}	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail	Power Setting
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	149	Full	5745	0.30	0.30	18.96	13.86	20.13	30.00		1.75		Pass	20.5/15
11a	6Mbps	2	157	Full	5785	0.30	0.30	18.91	13.82	20.08	30.00		1.75		Pass	20.5/15
11a	6Mbps	2	165	Full	5825	0.30	0.30	18.94	13.71	20.08	30.00		1.75		Pass	20.5/15
HT20	MCS0	2	149	Full	5745	0.32	0.32	18.36	14.48	19.85	30.00		1.75		Pass	20/15.5
HT20	MCS0	2	157	Full	5785	0.32	0.32	18.40	14.44	19.87	30.00		1.75		Pass	20/15.5
HT20	MCS0	2	165	Full	5825	0.32	0.32	18.42	14.39	19.87	30.00		1.75		Pass	20/15.5
HT40	MCS0	2	151	Full	5755	0.70	0.70	17.77	14.41	19.42	30.00		1.75		Pass	19/15.5
HT40	MCS0	2	159	Full	5795	0.70	0.70	17.83	14.39	19.45	30.00		1.75		Pass	19/15.5
VHT20	MCS0	2	149	Full	5745	0.32	0.32	18.22	14.09	19.64	30.00		1.75		Pass	20/15.5
VHT20	MCS0	2	157	Full	5785	0.32	0.32	18.24	14.04	19.64	30.00		1.75		Pass	20/15.5
VHT20	MCS0	2	165	Full	5825	0.32	0.32	18.26	14.13	19.68	30.00		1.75		Pass	20/15.5
VHT40	MCS0	2	151	Full	5755	0.69	0.59	17.66	13.91	19.19	30.00		1.75		Pass	19/15.5
VHT40	MCS0	2	159	Full	5795	0.69	0.59	17.66	13.97	19.20	30.00		1.75		Pass	19/15.5
VHT80	MCS0	2	155	Full	5775	0.36	0.32	17.42	14.38	19.17	30.00		1.75		Pass	19/15.5
HE20	MCS0	2	149	Full	5745	0.45	0.41	17.17	14.38	19.01	30.00		1.75		Pass	18.5/15
HE20	MCS0	2	149	26/0	5745	0.45	0.41	9.37	6.47	11.17	30.00		1.75		Pass	10/6.5
HE20	MCS0	2	149	52/37	5745	0.45	0.41	12.30	9.88	14.27	30.00		1.75		Pass	13/9.5
HE20	MCS0	2	149	106/53	5745	0.45	0.41	15.56	10.98	16.86	30.00		1.75		Pass	16/12.5
HE20	MCS0	2	157	Full	5785	0.45	0.41	17.28	14.33	19.06	30.00		1.75		Pass	18.5/15
HE20	MCS0	2	165	Full	5825	0.45	0.41	17.30	14.32	19.07	30.00		1.75		Pass	18.5/15
HE20	MCS0	2	165	26/8	5825	0.45	0.41	9.36	6.25	11.09	30.00		1.75		Pass	10/6.5
HE20	MCS0	2	165	52/40	5825	0.45	0.41	12.49	9.70	14.33	30.00		1.75		Pass	13/9.5
HE20	MCS0	2	165	106/54	5825	0.45	0.41	15.70	10.56	16.86	30.00		1.75		Pass	16/12.5
HE40	MCS0	2	151	Full	5755	0.24	0.26	17.84	14.45	19.48	30.00		1.75		Pass	19/15.5
HE40	MCS0	2	159	Full	5795	0.24	0.26	17.87	14.41	19.49	30.00		1.75		Pass	19/15.5
HE80	MCS0	2	155	Full	5775	0.43	0.43	17.75	14.41	19.40	30.00		1.75		Pass	19/15.5

TEST RESULTS DATA
Power Spectral Density

UNII-3																		
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7	Worst+3.01	Ant 6	Ant 7	Ant 6	Ant 7	
11a	6Mbps	2	149	Full	5745	0.30	0.30	2.22		6.79	7.05	10.06	30.00		1.75		Pass
11a	6Mbps	2	157	Full	5785	0.30	0.30	2.22		6.77	7.24	10.25	30.00		1.75		Pass
11a	6Mbps	2	165	Full	5825	0.30	0.30	2.22		6.71	6.81	9.82	30.00		1.75		Pass
HT20	MCS0	2	149	Full	5745	0.32	0.32	2.22		5.56	5.84	8.85	30.00		1.75		Pass
HT20	MCS0	2	157	Full	5785	0.32	0.32	2.22		5.30	5.85	8.86	30.00		1.75		Pass
HT20	MCS0	2	165	Full	5825	0.32	0.32	2.22		5.43	5.56	8.57	30.00		1.75		Pass
HT40	MCS0	2	151	Full	5755	0.70	0.70	2.22		1.80	1.93	4.94	30.00		1.75		Pass
HT40	MCS0	2	159	Full	5795	0.70	0.70	2.22		1.66	1.79	4.80	30.00		1.75		Pass
VHT80	MCS0	2	155	Full	5775	0.36	0.32	2.22		-3.34	-2.71	0.30	30.00		1.75		Pass
HE20	MCS0	2	149	Full	5745	0.45	0.41	2.22		4.02	4.31	7.32	30.00		1.75		Pass
HE20	MCS0	2	149	26/0	5745	0.45	0.41	2.22		3.42	4.07	7.08	30.00		1.75		Pass
HE20	MCS0	2	149	52/37	5745	0.45	0.41	2.22		3.53	4.20	7.21	30.00		1.75		Pass
HE20	MCS0	2	149	106/53	5745	0.45	0.41	2.22		3.62	4.29	7.30	30.00		1.75		Pass
HE20	MCS0	2	157	Full	5785	0.45	0.41	2.22		3.96	4.15	7.16	30.00		1.75		Pass
HE20	MCS0	2	165	Full	5825	0.45	0.41	2.22		3.93	4.17	7.18	30.00		1.75		Pass
HE20	MCS0	2	165	26/8	5825	0.45	0.41	2.22		3.40	3.90	6.91	30.00		1.75		Pass
HE20	MCS0	2	165	52/40	5825	0.45	0.41	2.22		3.59	3.90	6.91	30.00		1.75		Pass
HE20	MCS0	2	165	106/54	5825	0.45	0.41	2.22		3.69	3.96	6.97	30.00		1.75		Pass
HE40	MCS0	2	151	Full	5755	0.24	0.26	2.22		1.48	1.82	4.83	30.00		1.75		Pass
HE40	MCS0	2	159	Full	5795	0.24	0.26	2.22		1.38	1.84	4.85	30.00		1.75		Pass
HE80	MCS0	2	155	Full	5775	0.43	0.00	2.22		-2.84	-2.83	0.18	30.00		1.75		Pass

Appendix B. AC Conducted Emission Test Results

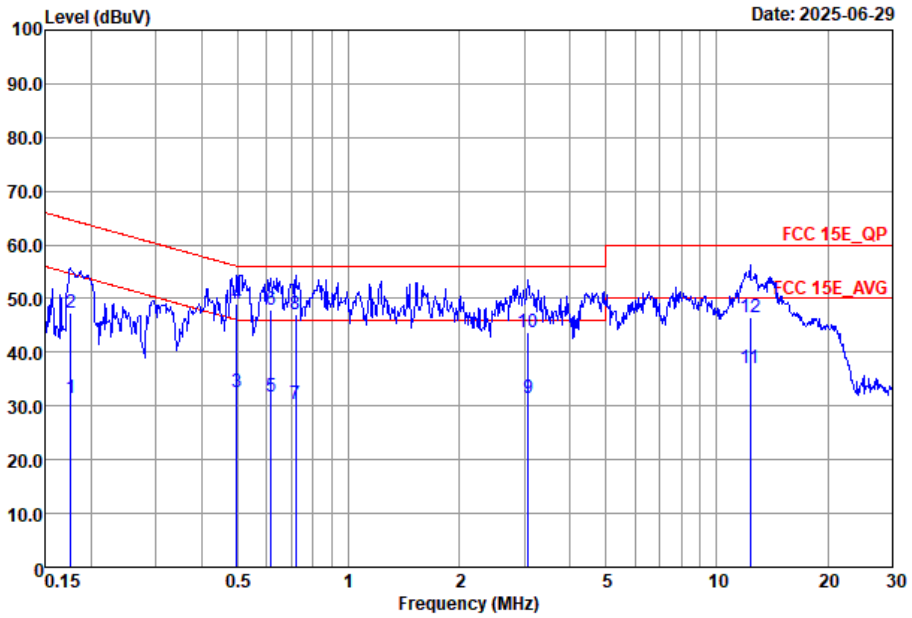
Test Engineer :	Nathon	**Temperature :**	22 ~ 24℃
		Relative Humidity :	44 ~ 50%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO02-SZ
Condition : FCC 15E_QP LISN_2025-L LINE

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.19	33.08	-21.12	54.20	13.20	9.70	10.18	Average
2		0.19	52.88	-11.32	64.20	33.00	9.70	10.18	QP
3		0.24	28.01	-24.12	52.13	8.10	9.72	10.19	Average
4		0.24	45.61	-16.52	62.13	25.70	9.72	10.19	QP
5		0.30	31.16	-18.99	50.15	11.19	9.76	10.21	Average
6		0.30	44.36	-15.79	60.15	24.39	9.76	10.21	QP
7		0.50	32.52	-13.53	46.05	12.60	9.68	10.24	Average
8	*	0.50	46.42	-9.63	56.05	26.50	9.68	10.24	QP
9		1.70	29.02	-16.98	46.00	9.11	9.66	10.25	Average
10		1.70	41.22	-14.78	56.00	21.31	9.66	10.25	QP
11		11.62	34.45	-15.55	50.00	14.61	9.63	10.21	Average
12		11.62	46.45	-13.55	60.00	26.61	9.63	10.21	QP

Test Engineer :	Nathon	**Temperature :**	22 ~ 24℃
		Relative Humidity :	44 ~ 50%
Test Voltage :	120Vac / 60Hz	**Phase :**	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO02-SZ
Condition : FCC 15E_QP LISN_2025-N NEUTRAL

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.18	31.46	-23.22	54.68	11.51	9.77	10.18	Average
2		0.18	47.46	-17.22	64.68	27.51	9.77	10.18	QP
3		0.50	32.71	-13.34	46.05	12.40	10.07	10.24	Average
4	*	0.50	48.91	-7.14	56.05	28.60	10.07	10.24	QP
5		0.62	31.89	-14.11	46.00	12.00	9.65	10.24	Average
6		0.62	47.99	-8.01	56.00	28.10	9.65	10.24	QP
7		0.72	30.46	-15.54	46.00	10.51	9.72	10.23	Average
8		0.72	47.06	-8.94	56.00	27.11	9.72	10.23	QP
9		3.07	31.54	-14.46	46.00	11.60	9.68	10.26	Average
10		3.07	43.64	-12.36	56.00	23.70	9.68	10.26	QP
11		12.32	36.99	-13.01	50.00	17.09	9.67	10.23	Average
12		12.32	46.49	-13.51	60.00	26.59	9.67	10.23	QP

Note:

1. Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
2. Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)

Appendix C. Radiated Spurious Emission

Test Engineer :	HuaCong Liang	Relative Humidity :	50%
		Temperature :	20-22℃

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	6+7	802.11a	36	5180	6Mbps	-	-
Mode 2	U-NII-1	5.15-5.25	6+7	802.11a	44	5220	6Mbps	-	-
Mode 3	U-NII-1	5.15-5.25	6+7	802.11a	48	5240	6Mbps	-	-
Mode 4	U-NII-2A	5.25-5.35	6+7	802.11a	52	5260	6Mbps	-	-
Mode 5	U-NII-2A	5.25-5.35	6+7	802.11a	60	5300	6Mbps	-	-
Mode 6	U-NII-2A	5.25-5.35	6+7	802.11a	64	5320	6Mbps	-	-
Mode 7	U-NII-2C	5.47-5.725	6+7	802.11a	100	5500	6Mbps	-	-
Mode 8	U-NII-2C	5.47-5.725	6+7	802.11a	116	5580	6Mbps	-	-
Mode 9	U-NII-2C	5.47-5.725	6+7	802.11a	140	5700	6Mbps	-	-
Mode 10	U-NII-1	5.15-5.25	6+7	802.11n HT20	36	5180	MCS0	Full	-
Mode 11	U-NII-1	5.15-5.25	6+7	802.11n HT20	44	5220	MCS0	Full	-
Mode 12	U-NII-1	5.15-5.25	6+7	802.11n HT20	48	5240	MCS0	Full	-
Mode 13	U-NII-2A	5.25-5.35	6+7	802.11n HT20	52	5260	MCS0	Full	-
Mode 14	U-NII-2A	5.25-5.35	6+7	802.11n HT20	60	5300	MCS0	Full	-
Mode 15	U-NII-2A	5.25-5.35	6+7	802.11n HT20	64	5320	MCS0	Full	-
Mode 16	U-NII-2C	5.47-5.725	6+7	802.11n HT20	100	5500	MCS0	Full	-
Mode 17	U-NII-2C	5.47-5.725	6+7	802.11n HT20	116	5580	MCS0	Full	-
Mode 18	U-NII-2C	5.47-5.725	6+7	802.11n HT20	140	5700	MCS0	Full	-
Mode 19	U-NII-1	5.15-5.25	6+7	802.11n HT40	38	5190	MCS0	Full	-
Mode 20	U-NII-1	5.15-5.25	6+7	802.11n HT40	46	5230	MCS0	Full	-
Mode 21	U-NII-2A	5.25-5.35	6+7	802.11n HT40	54	5270	MCS0	Full	-
Mode 22	U-NII-2A	5.25-5.35	6+7	802.11n HT40	62	5310	MCS0	Full	-
Mode 23	U-NII-2C	5.47-5.725	6+7	802.11n HT40	102	5510	MCS0	Full	-
Mode 24	U-NII-2C	5.47-5.725	6+7	802.11n HT40	134	5670	MCS0	Full	-
Mode 25	U-NII-1	5.15-5.25	6+7	802.11ac VHT80	42	5210	MCS0	Full	-
Mode 26	U-NII-2A	5.25-5.35	6+7	802.11ac VHT80	58	5290	MCS0	Full	-
Mode 27	U-NII-2C	5.47-5.725	6+7	802.11ac VHT80	106	5530	MCS0	Full	-
Mode 28	U-NII-2C	5.47-5.725	6+7	802.11ac VHT80	122	5610	MCS0	Full	-
Mode 29	U-NII-1	5.15-5.25	6+7	802.11ax HE20	36	5180	MCS0	Full	-
Mode 30	U-NII-1	5.15-5.25	6+7	802.11ax HE20	44	5220	MCS0	Full	-
Mode 31	U-NII-1	5.15-5.25	6+7	802.11ax HE20	48	5240	MCS0	Full	-
Mode 32	U-NII-2A	5.25-5.35	6+7	802.11ax HE20	52	5260	MCS0	Full	-
Mode 33	U-NII-2A	5.25-5.35	6+7	802.11ax HE20	60	5300	MCS0	Full	-
Mode 34	U-NII-2A	5.25-5.35	6+7	802.11ax HE20	64	5320	MCS0	Full	-
Mode 35	U-NII-2C	5.47-5.725	6+7	802.11ax HE20	100	5500	MCS0	Full	-
Mode 36	U-NII-2C	5.47-5.725	6+7	802.11ax HE20	116	5580	MCS0	Full	-
Mode 37	U-NII-2C	5.47-5.725	6+7	802.11ax HE20	140	5700	MCS0	Full	-
Mode 38	U-NII-1	5.15-5.25	6+7	802.11ax HE40	38	5190	MCS0	Full	-
Mode 39	U-NII-1	5.15-5.25	6+7	802.11ax HE40	46	5230	MCS0	Full	-
Mode 40	U-NII-2A	5.25-5.35	6+7	802.11ax HE40	54	5270	MCS0	Full	-
Mode 41	U-NII-2A	5.25-5.35	6+7	802.11ax HE40	62	5310	MCS0	Full	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 42	U-NII-2C	5.47-5.725	6+7	802.11ax HE40	102	5510	MCS0	Full	-
Mode 43	U-NII-2C	5.47-5.725	6+7	802.11ax HE40	134	5670	MCS0	Full	-
Mode 44	U-NII-1	5.15-5.25	6+7	802.11ax HE80	42	5210	MCS0	Full	-
Mode 45	U-NII-2A	5.25-5.35	6+7	802.11ax HE80	58	5290	MCS0	Full	-
Mode 46	U-NII-2C	5.47-5.725	6+7	802.11ax HE80	106	5530	MCS0	Full	-
Mode 47	U-NII-2C	5.47-5.725	6+7	802.11ax HE80	122	5610	MCS0	Full	-
Mode 48	U-NII-1	5.15-5.25	6+7	802.11ax HE20	36	5180	MCS0	Partial RU 52/37	-
Mode 49	U-NII-2A	5.25-5.35	6+7	802.11ax HE20	64	5320	MCS0	Partial RU 26/8	-
Mode 50	U-NII-2C	5.47-5.725	6+7	802.11ax HE20	100	5500	MCS0	Partial RU 106/53	-
Mode 51	U-NII-2C	5.47-5.725	6+7	802.11ax HE20	140	5700	MCS0	Partial RU 26/8	-
Mode 52	U-NII-2C	5.47-5.85	6+7	802.11a	144	5720	6Mbps	-	-
Mode 53	U-NII-2C	5.47-5.85	6+7	802.11ax HE20	144	5720	MCS0	Full	-
Mode 54	U-NII-2C	5.47-5.85	6+7	802.11ax HE40	142	5710	MCS0	Full	-
Mode 55	U-NII-2C	5.47-5.85	6+7	802.11ax HE80	138	5690	MCS0	Full	-
Mode 56	U-NII-3	5.725-5.85	6+7	802.11a	149	5745	6Mbps	-	-
Mode 57	U-NII-3	5.725-5.85	6+7	802.11a	157	5785	6Mbps	-	-
Mode 58	U-NII-3	5.725-5.85	6+7	802.11a	165	5825	6Mbps	-	-
Mode 59	U-NII-3	5.725-5.85	6+7	802.11n HT20	149	5745	MCS0	Full	-
Mode 60	U-NII-3	5.725-5.85	6+7	802.11n HT20	157	5785	MCS0	Full	-
Mode 61	U-NII-3	5.725-5.85	6+7	802.11n HT20	165	5825	MCS0	Full	-
Mode 62	U-NII-3	5.725-5.85	6+7	802.11n HT40	151	5755	MCS0	Full	-
Mode 63	U-NII-3	5.725-5.85	6+7	802.11n HT40	159	5795	MCS0	Full	-
Mode 64	U-NII-3	5.725-5.85	6+7	802.11ac VHT80	155	5775	MCS0	Full	-
Mode 65	U-NII-3	5.725-5.85	6+7	802.11ax HE20	149	5745	MCS0	Full	-
Mode 66	U-NII-3	5.725-5.85	6+7	802.11ax HE20	157	5785	MCS0	Full	-
Mode 67	U-NII-3	5.725-5.85	6+7	802.11ax HE20	165	5825	MCS0	Full	-
Mode 68	U-NII-3	5.725-5.85	6+7	802.11ax HE40	151	5755	MCS0	Full	-
Mode 69	U-NII-3	5.725-5.85	6+7	802.11ax HE40	159	5795	MCS0	Full	-
Mode 70	U-NII-3	5.725-5.85	6+7	802.11ax HE80	155	5775	MCS0	Full	-
Mode 71	U-NII-3	5.725-5.85	6+7	802.11ax HE20	149	5745	MCS0	Partial RU 106/53	-
Mode 72	U-NII-3	5.725-5.85	6+7	802.11ax HE20	165	5825	MCS0	Partial RU 106/54	-
Mode 73	U-NII-1	5.15-5.25	6+7	802.11n HT20	36	5180	MCS0	-	LF
Mode 74	U-NII-3	5.725-5.85	6+7	802.11ax HE80	155	5775	MCS0	-	LF
Mode 77	U-NII-2C	5.47-5.725	6+7	802.11a	136	5680	6Mbps	-	-
Mode 78	U-NII-2C	5.47-5.725	6+7	802.11n HT20	136	5680	MCS0	Full	-
Mode 79	U-NII-2C	5.47-5.725	6+7	802.11ax HE20	136	5680	MCS0	Full	-
Mode 81	U-NII-2C	5.47-5.725	6+7	802.11n HT40	110	5550	MCS0	Full	-
Mode 82	U-NII-2C	5.47-5.725	6+7	802.11ax HE40	110	5550	MCS0	Full	-
Mode 83	U-NII-2C	5.47-5.85	6+7	802.11n HT20	144	5720	MCS0	Full	-
Mode 84	U-NII-2C	5.47-5.85	6+7	802.11n HT40	142	5710	MCS0	Full	-
Mode 85	U-NII-2C	5.47-5.85	6+7	802.11ac VHT80	138	5690	MCS0	Full	-

Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
1	802.11a	36	-	-	-	-	-	-	-	Band Edge
1	802.11a	36	10360.00	63.09	68.30	-5.21	H	Peak	Pass	Harmonic
2	802.11a	44	-	-	-	-	-	-	-	Band Edge
2	802.11a	44	10440.00	59.46	68.30	-8.84	H	Peak	Pass	Harmonic
3	802.11a	48	-	-	-	-	-	-	-	Band Edge
3	802.11a	48	10480.00	57.72	68.30	-10.58	H	Peak	Pass	Harmonic
4	802.11a	52	-	-	-	-	-	-	-	Band Edge
4	802.11a	52	10520.00	55.68	68.30	-12.62	H	Peak	Pass	Harmonic
5	802.11a	60	-	-	-	-	-	-	-	Band Edge
5	802.11a	60	10600.00	46.03	54.00	-7.97	H	Average	Pass	Harmonic
6	802.11a	64	5350.10	49.76	54.00	-4.24	H	AVERAGE	Pass	Band Edge
6	802.11a	64	10640.00	46.16	54.00	-7.84	H	Average	Pass	Harmonic
7	802.11a	100	5467.45	64.69	68.30	-3.61	V	PEAK	Pass	Band Edge
7	802.11a	100	11000.00	42.96	54.00	-11.04	V	Average	Pass	Harmonic
8	802.11a	116	5459.48	42.68	54.00	-11.32	V	AVERAGE	Pass	Band Edge
8	802.11a	116	11160.00	43.03	54.00	-10.97	H	Average	Pass	Harmonic
9	802.11a	140	5726.26	65.18	68.30	-3.12	V	PEAK	Pass	Band Edge
9	802.11a	140	11400.00	44.42	54.00	-9.58	H	Average	Pass	Harmonic
10	802.11n HT20	36	5148.50	50.95	54.00	-3.05	H	AVERAGE	Pass	Band Edge
10	802.11n HT20	36	10360.00	62.03	68.30	-6.27	H	Peak	Pass	Harmonic
11	802.11n HT20	44	-	-	-	-	-	-	-	Band Edge
11	802.11n HT20	44	10440.00	59.12	68.30	-9.18	H	Peak	Pass	Harmonic
12	802.11n HT20	48	5130.80	43.35	54.00	-10.65	H	AVERAGE	Pass	Band Edge
12	802.11n HT20	48	10480.00	56.54	68.30	-11.76	H	Peak	Pass	Harmonic
13	802.11n HT20	52	5364.40	43.49	54.00	-10.51	H	AVERAGE	Pass	Band Edge
13	802.11n HT20	52	10520.00	54.98	68.30	-13.32	H	Peak	Pass	Harmonic
14	802.11n HT20	60	-	-	-	-	-	-	-	Band Edge
14	802.11n HT20	60	10600.00	45.47	54.00	-8.53	H	Average	Pass	Harmonic
15	802.11n HT20	64	5350.38	50.05	54.00	-3.95	H	AVERAGE	Pass	Band Edge
15	802.11n HT20	64	10640.00	45.97	54.00	-8.03	H	Average	Pass	Harmonic
16	802.11n HT20	100	5470.00	64.06	68.30	-4.24	V	PEAK	Pass	Band Edge
16	802.11n HT20	100	11000.00	42.08	54.00	-11.92	H	Average	Pass	Harmonic
17	802.11n HT20	116	5459.25	42.79	54.00	-11.21	H	AVERAGE	Pass	Band Edge
17	802.11n HT20	116	11160.00	42.51	54.00	-11.49	H	Average	Pass	Harmonic
18	802.11n HT20	140	5730.23	63.91	68.30	-4.39	V	PEAK	Pass	Band Edge
18	802.11n HT20	140	11400.00	42.92	54.00	-11.08	H	Average	Pass	Harmonic
19	802.11n HT40	38	5146.49	49.93	54.00	-4.07	H	AVERAGE	Pass	Band Edge
19	802.11n HT40	38	-	-	-	-	-	-	-	Harmonic
20	802.11n HT40	46	5149.50	47.79	54.00	-6.21	H	AVERAGE	Pass	Band Edge
20	802.11n HT40	46	-	-	-	-	-	-	-	Harmonic
21	802.11n HT40	54	5350.18	47.20	54.00	-6.80	H	AVERAGE	Pass	Band Edge
21	802.11n HT40	54	-	-	-	-	-	-	-	Harmonic
22	802.11n HT40	62	5350.50	49.68	54.00	-4.32	H	AVERAGE	Pass	Band Edge
22	802.11n HT40	62	-	-	-	-	-	-	-	Harmonic
23	802.11n HT40	102	5468.88	64.1	68.3	-4.2	V	PEAK	Pass	Band Edge
23	802.11n HT40	102	-	-	-	-	-	-	-	Harmonic
24	802.11n HT40	134	5729.47	60.87	68.30	-7.43	V	PEAK	Pass	Band Edge
24	802.11n HT40	134	-	-	-	-	-	-	-	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
25	802.11ac VHT80	42	5149.52	48.16	54.00	-5.84	H	AVERAGE	Pass	Band Edge
25	802.11ac VHT80	42	-	-	-	-	-	-	-	Harmonic
26	802.11ac VHT80	58	5354.43	50.22	54.00	-3.78	H	AVERAGE	Pass	Band Edge
26	802.11ac VHT80	58	-	-	-	-	-	-	-	Harmonic
27	802.11ac VHT80	106	5468.08	61.52	68.30	-6.78	V	PEAK	Pass	Band Edge
27	802.11ac VHT80	106	-	-	-	-	-	-	-	Harmonic
28	802.11ac VHT80	122	5726.41	64.26	68.30	-4.04	V	PEAK	Pass	Band Edge
28	802.11ac VHT80	122	-	-	-	-	-	-	-	Harmonic
29	802.11ax HE20	36	5149.94	49.91	54.00	-4.09	H	AVERAGE	Pass	Band Edge
29	802.11ax HE20	36	10360.00	61.39	68.30	-6.91	H	Peak	Pass	Harmonic
30	802.11ax HE20	44	-	-	-	-	-	-	-	Band Edge
30	802.11ax HE20	44	10440.00	58.79	68.30	-9.51	H	Peak	Pass	Harmonic
31	802.11ax HE20	48	5110.16	43.62	54.00	-10.38	H	AVERAGE	Pass	Band Edge
31	802.11ax HE20	48	10480.00	55.94	68.30	-12.36	H	Peak	Pass	Harmonic
32	802.11ax HE20	52	5356.80	44.03	54.00	-9.97	H	AVERAGE	Pass	Band Edge
32	802.11ax HE20	52	10520.00	55.37	68.30	-12.93	H	Peak	Pass	Harmonic
33	802.11ax HE20	60	-	-	-	-	-	-	-	Band Edge
33	802.11ax HE20	60	10600.00	45.40	54.00	-8.60	V	Average	Pass	Harmonic
34	802.11ax HE20	64	5351.50	49.83	54.00	-4.17	V	AVERAGE	Pass	Band Edge
34	802.11ax HE20	64	10640.00	44.83	54.00	-9.17	V	Average	Pass	Harmonic
35	802.11ax HE20	100	5469.70	65.07	68.30	-3.23	V	PEAK	Pass	Band Edge
35	802.11ax HE20	100	11000.00	42.29	54.00	-11.71	V	Average	Pass	Harmonic
36	802.11ax HE20	116	5459.94	42.51	54.00	-11.49	H	AVERAGE	Pass	Band Edge
36	802.11ax HE20	116	11160.00	42.04	54.00	-11.96	H	Average	Pass	Harmonic
37	802.11ax HE20	140	5726.65	64.56	68.30	-3.74	V	PEAK	Pass	Band Edge
37	802.11ax HE20	140	17100.00	48.19	68.30	-20.11	V	Peak	Pass	Harmonic
38	802.11ax HE40	38	5149.72	49.81	54.00	-4.19	H	AVERAGE	Pass	Band Edge
38	802.11ax HE40	38	-	-	-	-	-	-	-	Harmonic
39	802.11ax HE40	46	5148.35	48.12	54.00	-5.88	H	AVERAGE	Pass	Band Edge
39	802.11ax HE40	46	-	-	-	-	-	-	-	Harmonic
40	802.11ax HE40	54	5350.37	48.68	54.00	-5.32	V	AVERAGE	Pass	Band Edge
40	802.11ax HE40	54	-	-	-	-	-	-	-	Harmonic
41	802.11ax HE40	62	5350.80	49.94	54.00	-4.06	H	AVERAGE	Pass	Band Edge
41	802.11ax HE40	62	-	-	-	-	-	-	-	Harmonic
42	802.11ax HE40	102	5466.00	64.18	68.30	-4.12	V	PEAK	Pass	Band Edge
42	802.11ax HE40	102	-	-	-	-	-	-	-	Harmonic
43	802.11ax HE40	134	5725.29	63.63	68.30	-4.67	V	PEAK	Pass	Band Edge
43	802.11ax HE40	134	-	-	-	-	-	-	-	Harmonic
44	802.11ax HE80	42	5149.73	50.77	54.00	-3.23	H	AVERAGE	Pass	Band Edge
44	802.11ax HE80	42	-	-	-	-	-	-	-	Harmonic
45	802.11ax HE80	58	5351.54	50.57	54.00	-3.43	H	AVERAGE	Pass	Band Edge
45	802.11ax HE80	58	-	-	-	-	-	-	-	Harmonic
46	802.11ax HE80	106	5458.54	49.79	54.00	-4.21	V	AVERAGE	Pass	Band Edge
46	802.11ax HE80	106	-	-	-	-	-	-	-	Harmonic
47	802.11ax HE80	122	5737.26	64.56	68.30	-3.74	V	PEAK	Pass	Band Edge
47	802.11ax HE80	122	-	-	-	-	-	-	-	Harmonic
48	802.11ax HE20	36	5144.72	43.90	54.00	-10.10	H	AVERAGE	Pass	Band Edge
48	802.11ax HE20	36	-	-	-	-	-	-	-	Harmonic
49	802.11ax HE20	64	5362.84	44.16	54.00	-9.84	H	AVERAGE	Pass	Band Edge
49	802.11ax HE20	64	-	-	-	-	-	-	-	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
50	802.11ax HE20	100	5465.35	64.35	68.30	-3.95	V	PEAK	Pass	Band Edge
50	802.11ax HE20	100	-	-	-	-	-	-	-	Harmonic
51	802.11ax HE20	140	5742.45	63.00	68.30	-5.30	V	PEAK	Pass	Band Edge
51	802.11ax HE20	140	-	-	-	-	-	-	-	Harmonic
52	802.11a	144	-	-	-	-	-	-	-	Band Edge
52	802.11a	144	11440.00	44.95	54.00	-9.05	V	Average	Pass	Harmonic
53	802.11ax HE20	144	5459.45	42.24	54.00	-11.76	H	Peak	Pass	Band Edge
53	802.11ax HE20	144	11440.00	44.32	54.00	-9.68	V	Average	Pass	Harmonic
54	802.11ax HE40	142	5460.00	42.20	54.00	-11.80	V	Peak	Pass	Band Edge
54	802.11ax HE40	142	-	-	-	-	-	-	-	Harmonic
55	802.11ax HE80	138	5854.90	61.71	68.30	-6.59	V	Peak	Pass	Band Edge
55	802.11ax HE80	138	-	-	-	-	-	-	-	Harmonic
56	802.11a	149	-	-	-	-	-	-	-	Band Edge
56	802.11a	149	11490.00	45.46	54.00	-8.54	V	Average	Pass	Harmonic
57	802.11a	157	-	-	-	-	-	-	-	Band Edge
57	802.11a	157	11570.00	46.27	54.00	-7.73	V	Average	Pass	Harmonic
58	802.11a	165	-	-	-	-	-	-	-	Band Edge
58	802.11a	165	11650.00	46.90	54.00	-7.10	V	Average	Pass	Harmonic
59	802.11n HT20	149	5642.20	54.68	68.30	-13.62	H	PEAK	Pass	Band Edge
59	802.11n HT20	149	11490.00	45.38	54.00	-8.62	V	Average	Pass	Harmonic
60	802.11n HT20	157	-	-	-	-	-	-	-	Band Edge
60	802.11n HT20	157	11570.00	45.91	54.00	-8.09	H	Average	Pass	Harmonic
61	802.11n HT20	165	5928.38	55.54	68.30	-12.76	V	PEAK	Pass	Band Edge
61	802.11n HT20	165	11650.00	46.17	54.00	-7.83	H	Average	Pass	Harmonic
62	802.11n HT40	151	5642.63	59.07	68.30	-9.23	V	PEAK	Pass	Band Edge
62	802.11n HT40	151	-	-	-	-	-	-	-	Harmonic
63	802.11n HT40	159	5927.37	57.28	68.30	-11.02	H	PEAK	Pass	Band Edge
63	802.11n HT40	159	-	-	-	-	-	-	-	Harmonic
64	802.11ac VHT80	155	5648.65	63.56	68.30	-4.74	V	PEAK	Pass	Band Edge
64	802.11ac VHT80	155	-	-	-	-	-	-	-	Harmonic
65	802.11ax HE20	149	5623.20	57.89	68.30	-10.41	H	PEAK	Pass	Band Edge
65	802.11ax HE20	149	11490.00	43.88	54.00	-10.12	V	Average	Pass	Harmonic
66	802.11ax HE20	157	-	-	-	-	-	-	-	Band Edge
66	802.11ax HE20	157	11570.00	44.40	54.00	-9.60	V	Average	Pass	Harmonic
67	802.11ax HE20	165	5930.25	55.32	68.30	-12.98	V	PEAK	Pass	Band Edge
67	802.11ax HE20	165	11650.00	45.08	54.00	-8.92	V	Average	Pass	Harmonic
68	802.11ax HE40	151	5647.28	61.10	68.30	-7.20	V	PEAK	Pass	Band Edge
68	802.11ax HE40	151	-	-	-	-	-	-	-	Harmonic
69	802.11ax HE40	159	5925.51	56.91	68.30	-11.39	V	PEAK	Pass	Band Edge
69	802.11ax HE40	159	-	-	-	-	-	-	-	Harmonic
70	802.11ax HE80	155	5930.40	63.60	68.30	-4.70	V	PEAK	Pass	Band Edge
70	802.11ax HE80	155	17325.00	47.86	68.30	-20.44	H	Peak	Pass	Harmonic
71	802.11ax HE20	149	5637.99	54.37	68.30	-13.93	V	PEAK	Pass	Band Edge
71	802.11ax HE20	149	-	-	-	-	-	-	-	Harmonic
72	802.11ax HE20	165	5933.38	56.05	68.30	-12.25	V	PEAK	Pass	Band Edge
72	802.11ax HE20	165	-	-	-	-	-	-	-	Harmonic
73	802.11n HT20	36	51.34	35.98	40.00	-4.02	V	PEAK	Pass	LF
74	802.11ax HE80	155	52.31	35.93	40.00	-4.07	V	PEAK	Pass	LF
77	802.11a	136	5732.62	61.48	68.30	-6.82	V	PEAK	Pass	Band Edge
77	802.11a	136	-	-	-	-	-	-	-	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
78	802.11n HT20	136	5726.84	62.71	68.30	-5.59	V	PEAK	Pass	Band Edge
78	802.11n HT20	136	-	-	-	-	-	-	-	Harmonic
79	802.11ax HE20	136	5734.06	60.96	68.30	-7.34	V	PEAK	Pass	Band Edge
79	802.11ax HE20	136	-	-	-	-	-	-	-	Harmonic
81	802.11n HT40	110	5467.60	62.14	68.30	-6.16	V	PEAK	Pass	Band Edge
81	802.11n HT40	110	-	-	-	-	-	-	-	Harmonic
82	802.11ax HE40	110	5459.40	45.82	54.00	-8.18	V	AVERAGE	Pass	Band Edge
82	802.11ax HE40	110	-	-	-	-	-	-	-	Harmonic
83	802.11n HT20	144	5367.05	42.36	54.00	-11.64	V	Peak	Pass	Band Edge
83	802.11n HT20	144	11440.00	44.67	54.00	-9.33	V	Average	Pass	Harmonic
84	802.11n HT40	142	5457.25	43.46	54.00	-10.54	H	Peak	Pass	Band Edge
84	802.11n HT40	142	-	-	-	-	-	-	-	Harmonic
85	802.11ac VHT80	138	5850.00	57.51	68.30	-10.79	V	Peak	Pass	Band Edge
85	802.11ac VHT80	138	-	-	-	-	-	-	-	Harmonic

Co-location Mode:

Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 75	CO_TX	6+7	802.11n HT20	36	5180	MCS0	Full	-
		0	LTE Band14		-	-	-	-
Mode 76	CO_TX	6+7	802.11n HT20	36	5180	MCS0	Full	-
		6	Bluetooth-LE	39	2480	2Mbps	-	-
		0	LTE Band14		-	-	-	-

WWAN RSE Table

Mode	Band		Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
75	LTE B14	23330	1577	48.28	53.01	-4.73	H	PEAK	Pass	Harmonic
75	LTE B14	23330	2365.5	42.17	82.16	-39.99	H	PEAK	Pass	Harmonic
75	LTE B14	23330	1577	49.42	53.01	-3.59	V	PEAK	Pass	Harmonic
75	LTE B14	23330	2365.5	40.55	82.16	-41.61	V	PEAK	Pass	Harmonic
Mode	**Band**		**Freq. (MHz)**	**Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Pol.**	**Peak Avg.**	**Result**	**Remark**
76	LTE B14	23330	1577	48.47	53.01	-4.54	H	PEAK	Pass	Harmonic
76	LTE B14	23330	2365.5	41.25	82.16	-40.91	H	PEAK	Pass	Harmonic
76	LTE B14	23330	1577	49.29	53.01	-3.72	V	PEAK	Pass	Harmonic
76	LTE B14	23330	2365.5	40.77	82.16	-41.39	V	PEAK	Pass	Harmonic

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

$$EIRP = E_{Meas} + 20\log(d_{Meas}) - 104.7$$

where

EIRP is the equivalent isotropically radiated power, in dBm, -42.15dBm / -13dBm

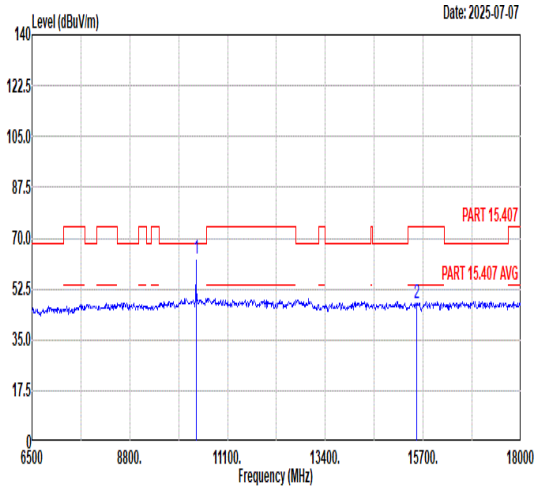
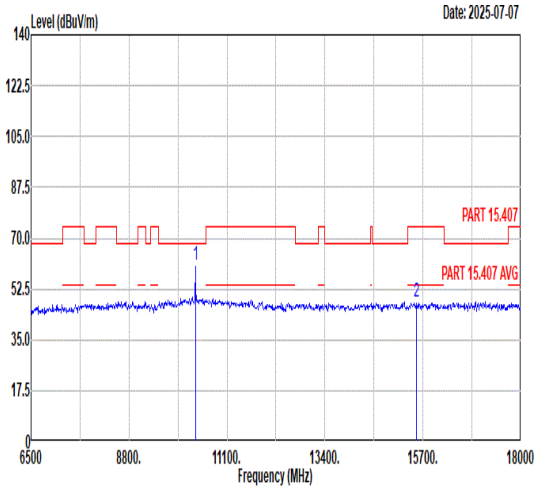
ERP = EIRP - 2.15

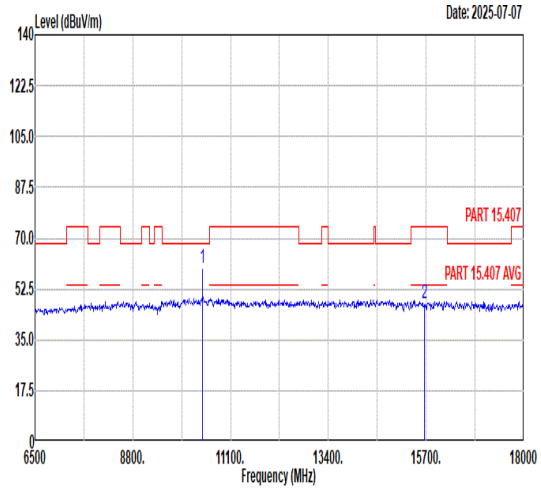
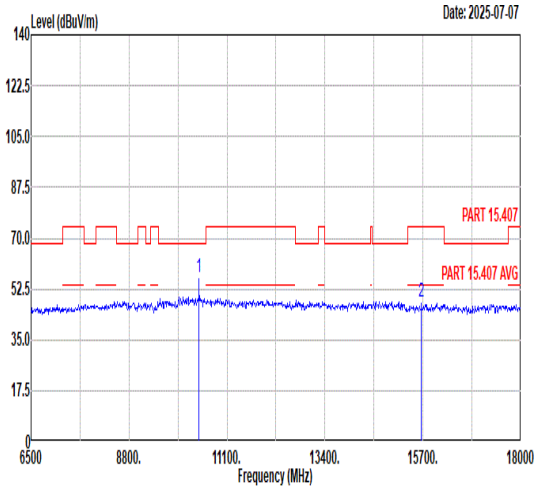
E_{Meas} is the field strength of the emission at the measurement distance, in dBμV/m

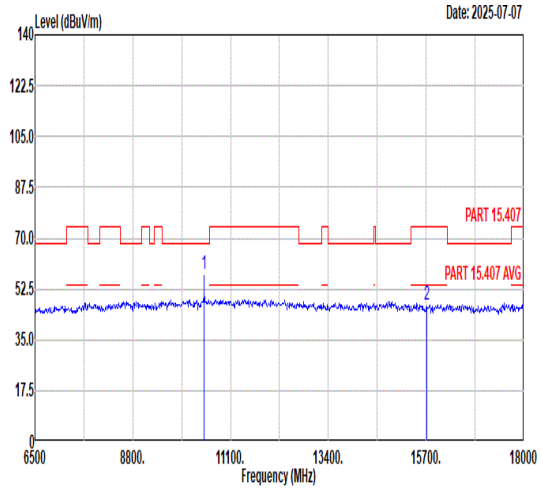
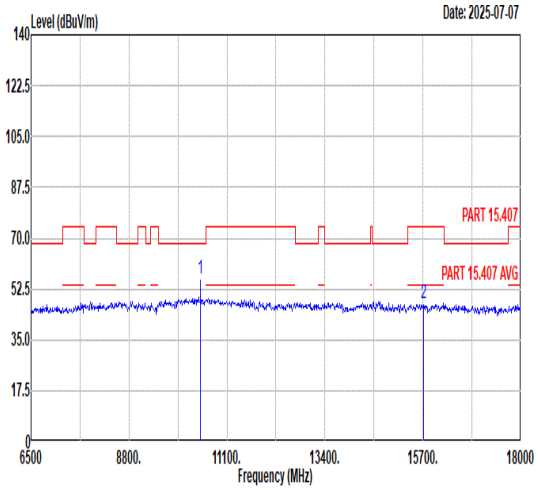
d_{Meas} is the measurement distance, in m, 3m

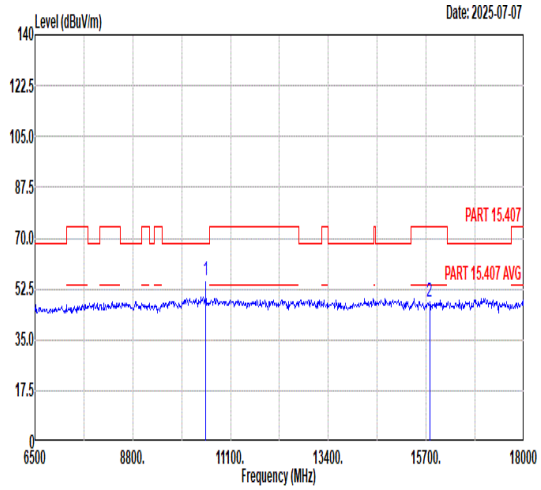
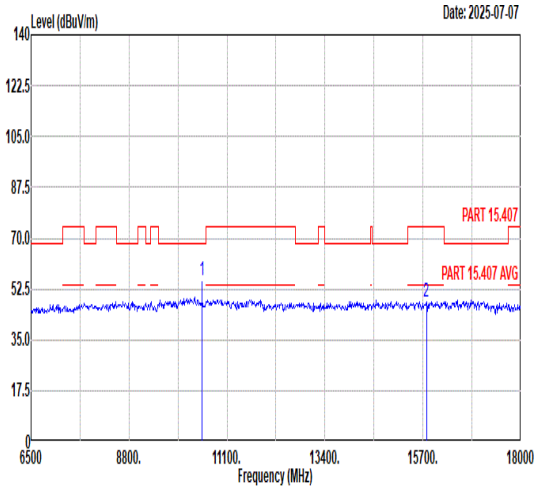
Summary of each worse mode

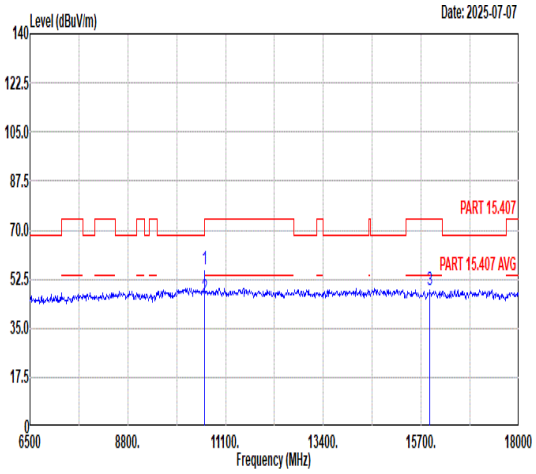
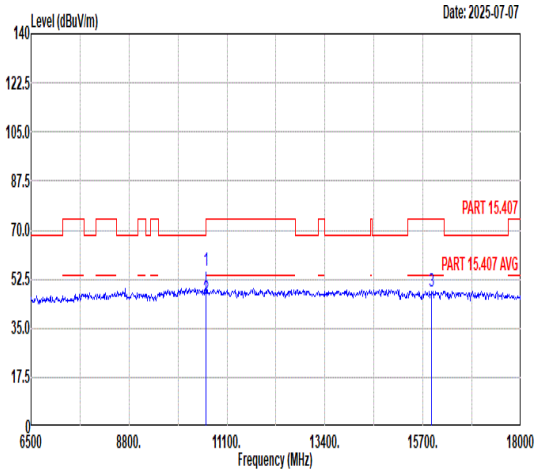
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
75	802.11n HT20	36	5148.14	49.84	54.00	-4.16	H	AVERAGE	Pass	Band Edge
	802.11n HT20	36	10360.00	61.85	68.30	-6.45	H	Peak	Pass	Harmonic
76	802.11n HT20	36	5149.94	49.61	54.00	-4.39	H	AVERAGE	Pass	Band Edge
	802.11n HT20	36	10360.00	61.76	68.30	-6.54	H	Peak	Pass	Harmonic

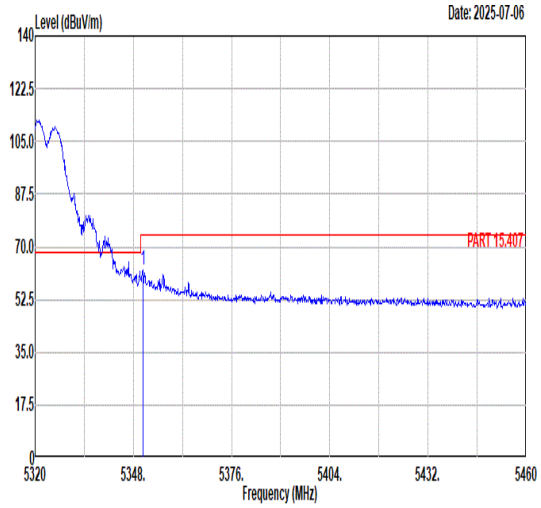
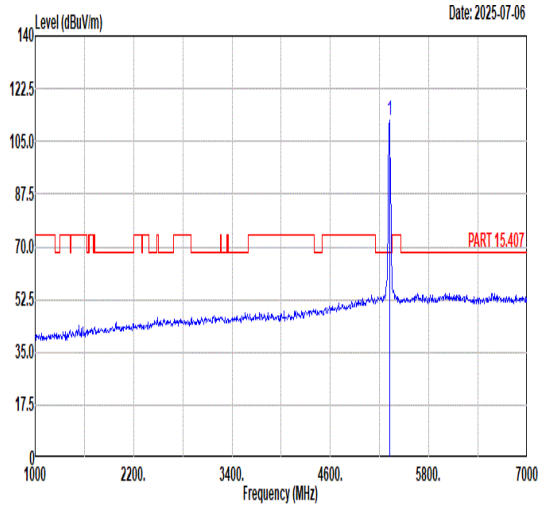
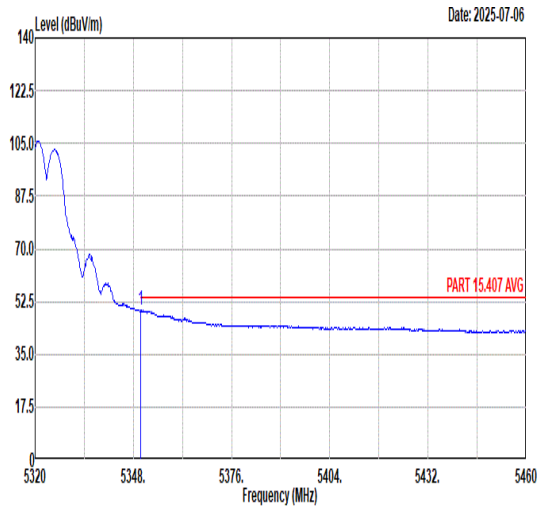
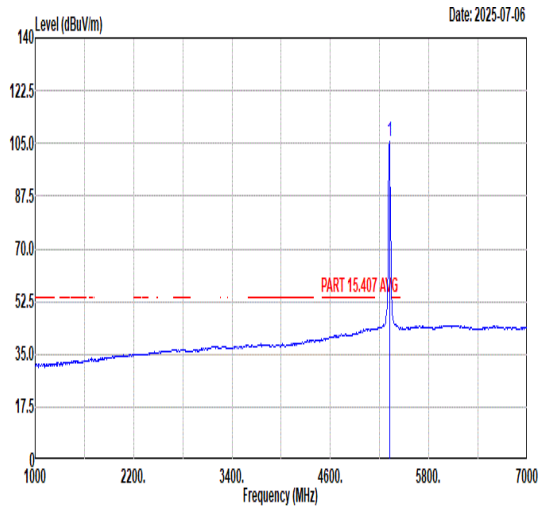
Mode	1	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH36_5180MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10360.00 63.09 68.30 -5.21 61.83 38.10 14.59 51.43 100 237 Peak 2 15540.00 47.78 74.00 -26.22 42.20 40.60 17.17 52.19 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10360.00 60.91 68.30 -7.39 59.65 38.10 14.59 51.43 100 303 Peak 2 15540.00 47.93 74.00 -26.07 42.35 40.60 17.17 52.19 --- --- Peak

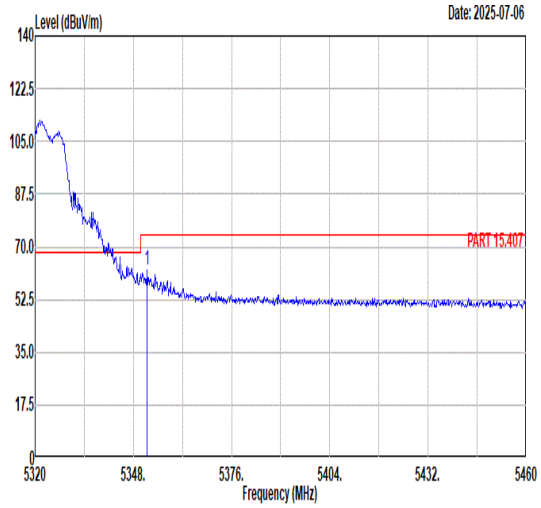
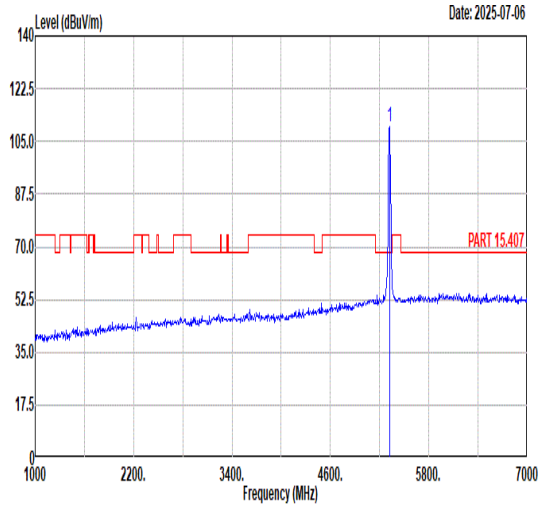
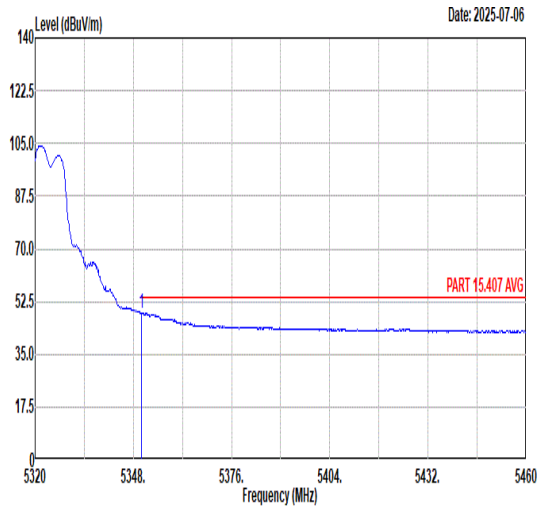
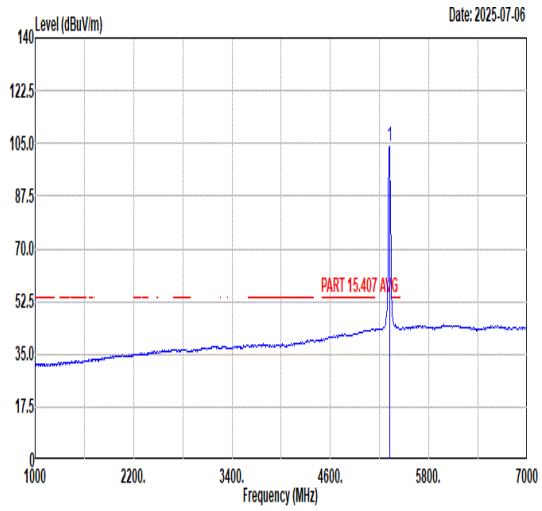
Mode	2	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10440.00 59.46 68.30 -8.84 58.14 38.14 14.59 51.41 100 236 Peak 2 15660.00 47.45 74.00 -26.55 42.11 40.60 17.19 52.45 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10440.00 56.51 68.30 -11.79 55.19 38.14 14.59 51.41 100 303 Peak 2 15660.00 47.98 74.00 -26.02 42.64 40.60 17.19 52.45 --- --- Peak

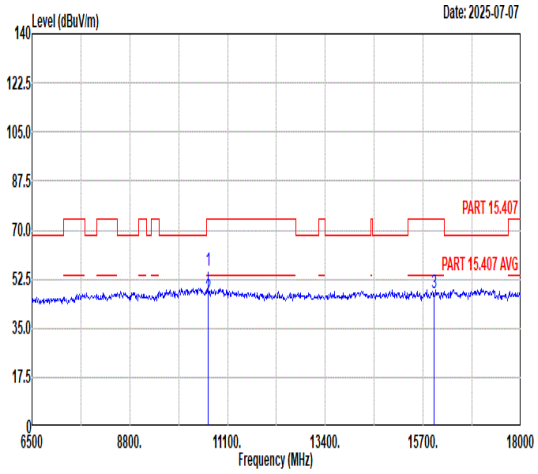
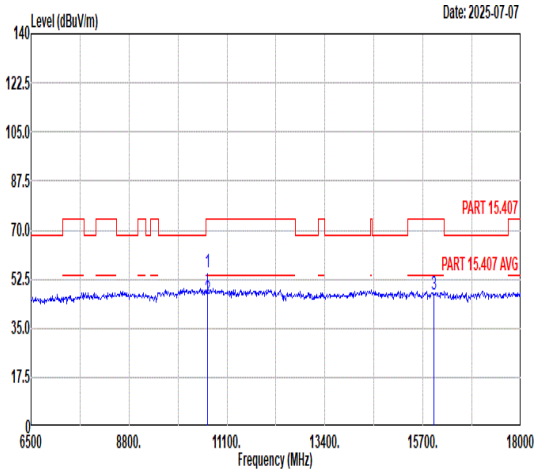
Mode	3	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10480.00 57.72 68.30 -10.58 56.35 38.18 14.59 51.40 100 235 Peak 2 15720.00 47.18 74.00 -26.82 41.95 40.62 17.19 52.58 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10480.00 55.87 68.30 -12.43 54.50 38.18 14.59 51.40 100 305 Peak 2 15720.00 47.31 74.00 -26.69 42.08 40.62 17.19 52.58 --- --- Peak

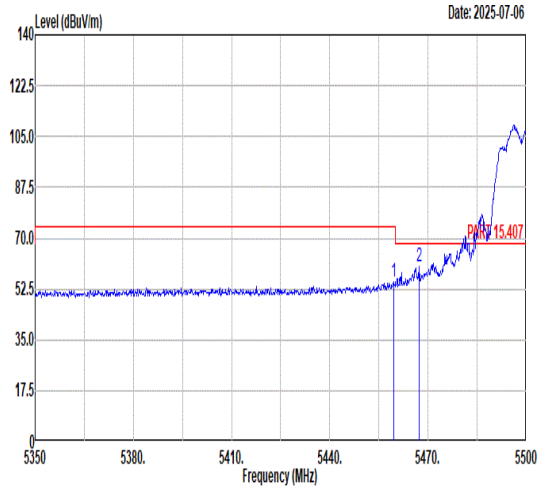
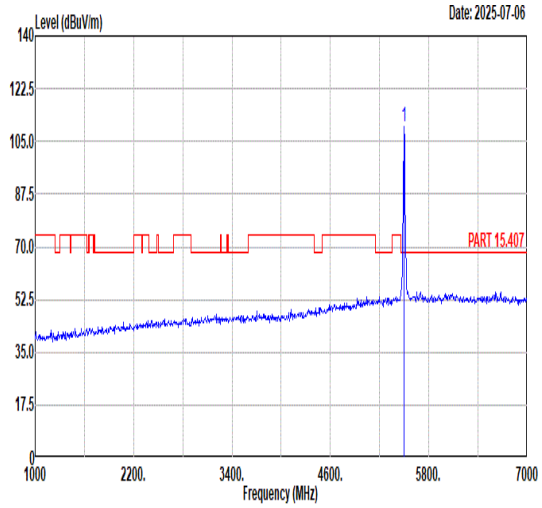
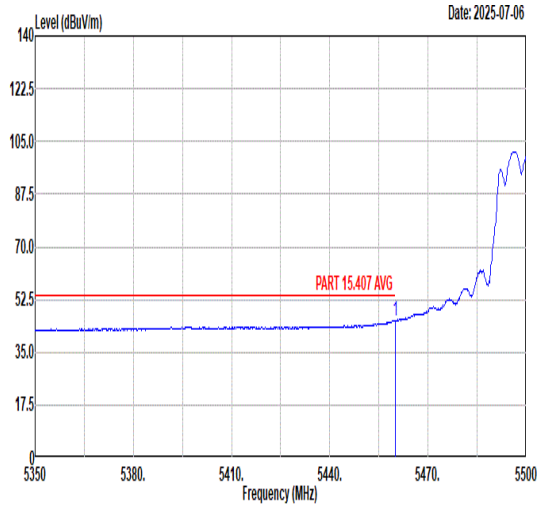
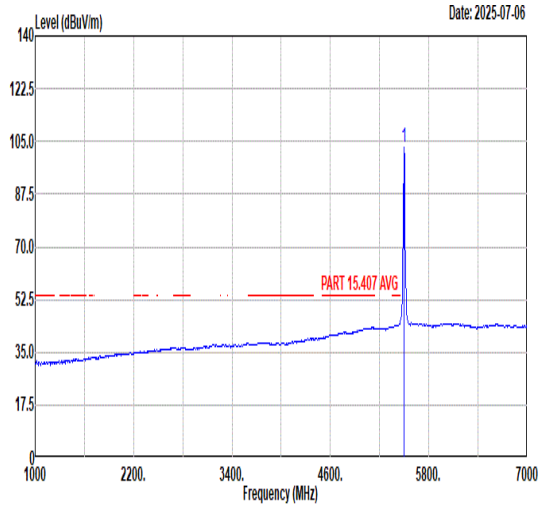
Mode	4	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11a_CH52_5260MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10520.00 55.68 68.30 -12.62 54.26 38.20 14.60 51.38 100 236 Peak 2 15780.00 48.01 74.00 -25.99 42.85 40.68 17.20 52.72 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10520.00 55.37 68.30 -12.93 53.95 38.20 14.60 51.38 100 308 Peak 2 15780.00 48.09 74.00 -25.91 42.93 40.68 17.20 52.72 --- --- Peak

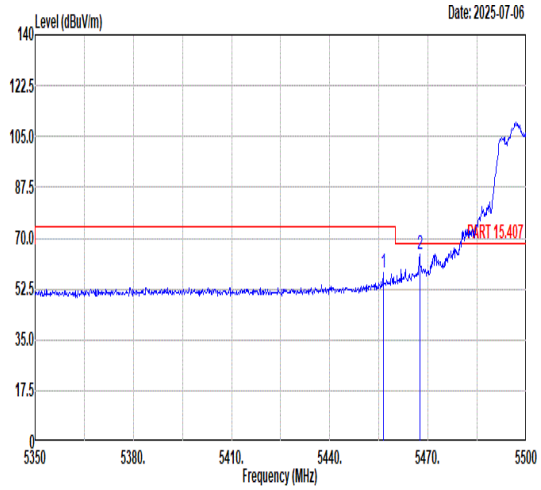
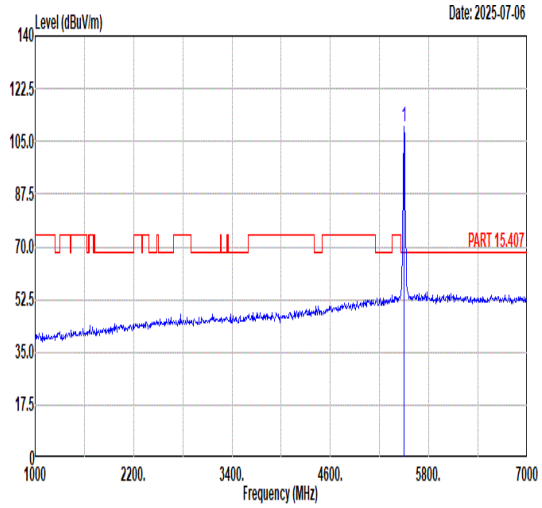
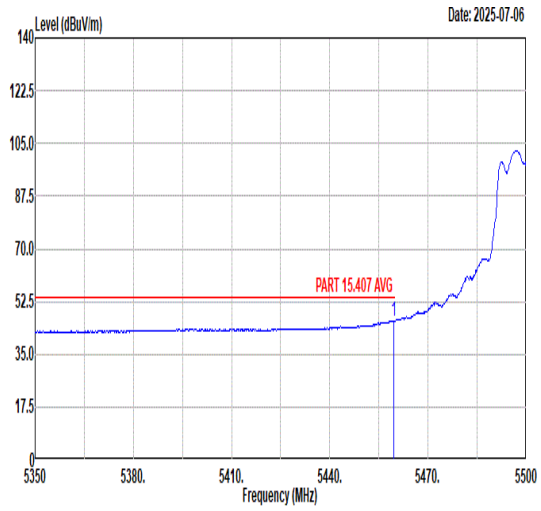
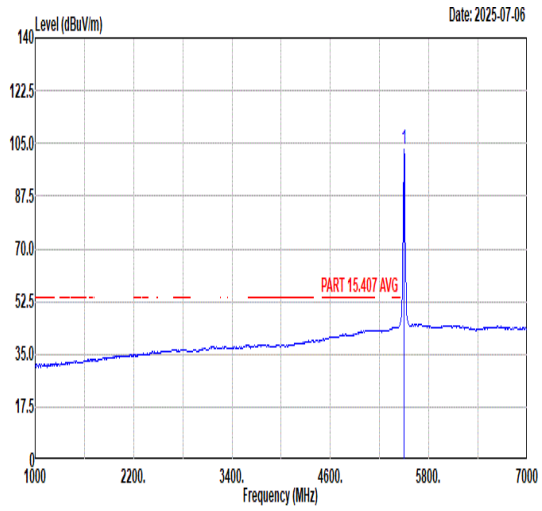
Mode	5	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11a_CH60_5300MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10600.00 56.04 74.00 -17.96 54.54 38.20 14.60 51.30 100 237 Peak 2 10600.00 46.03 54.00 -7.97 44.53 38.20 14.60 51.30 100 237 Average 3 15900.00 48.65 74.00 -25.35 43.51 40.90 17.22 52.98 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10600.00 55.30 74.00 -18.70 53.80 38.20 14.60 51.30 100 313 Peak 2 10600.00 45.29 54.00 -8.71 43.79 38.20 14.60 51.30 100 313 Average 3 15900.00 48.32 74.00 -25.68 43.18 40.90 17.22 52.98 --- --- Peak

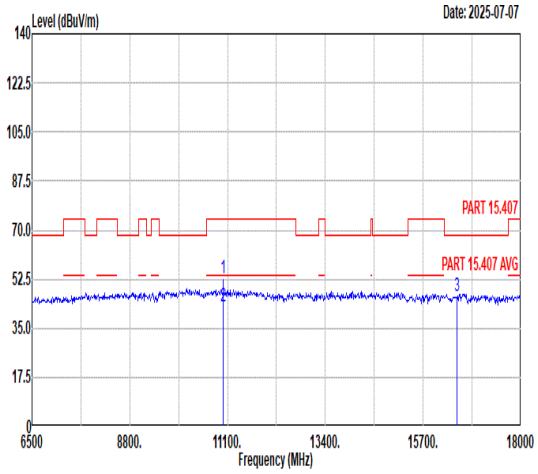
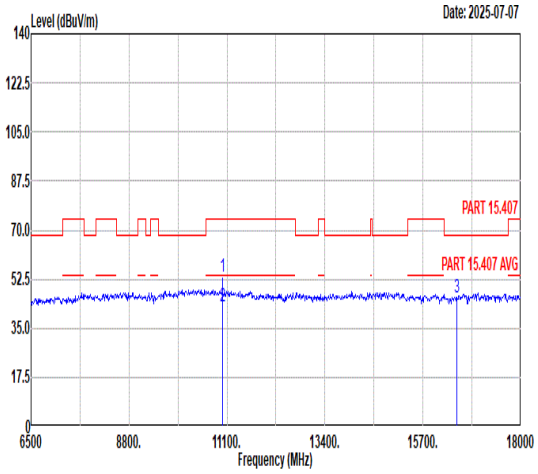
Mode	6	
	Band Edge	
	U-NII-2A_5.25-5.35_802.11a_CH64_5320MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5350.80 62.46 74.00 -11.54 48.48 36.10 10.55 32.67 187 30 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5320.00 111.89 ------ ------ 98.05 35.92 10.58 32.66 187 30 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5350.10 49.76 54.00 -4.24 35.78 36.10 10.55 32.67 187 30 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5320.00 105.61 ------ ------ 91.77 35.92 10.58 32.66 187 30 AVERAGE

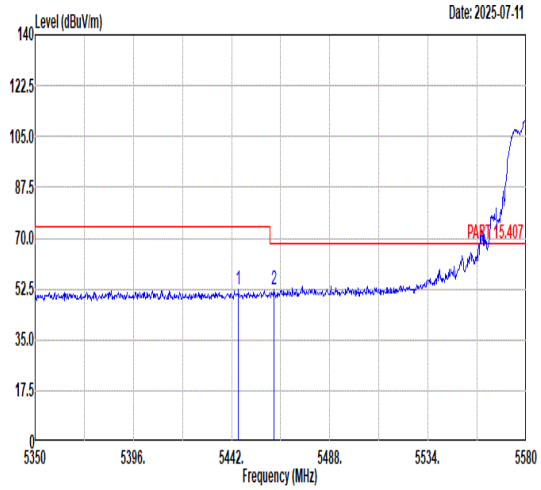
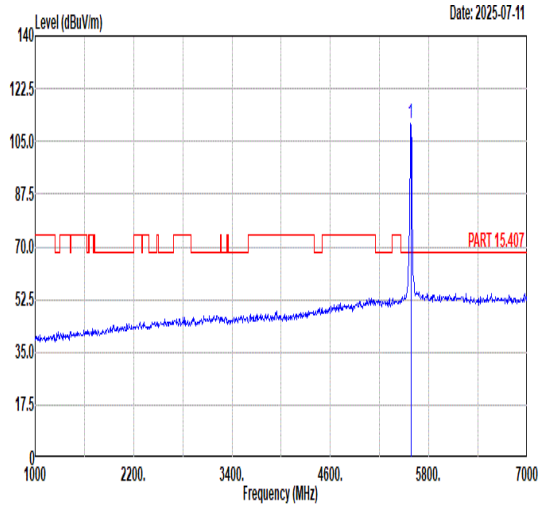
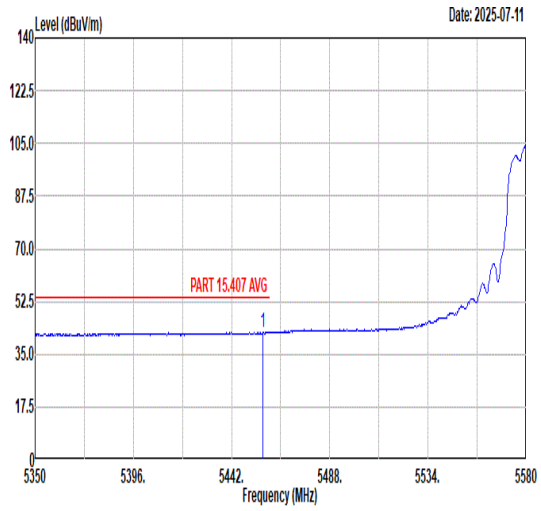
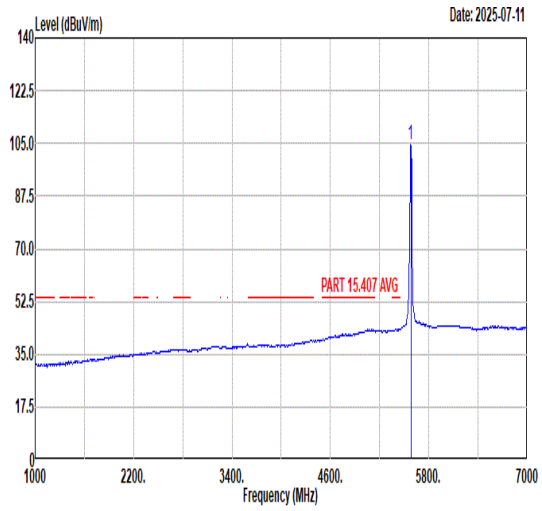
Mode	6	
	Band Edge	
	U-NII-2A_5.25-5.35_802.11a_CH64_5320MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5351.92 62.44 74.00 -11.56 48.46 36.10 10.55 32.67 225 282 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5320.00 109.92 ------ ------ 96.08 35.92 10.58 32.66 225 282 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5350.24 48.79 54.00 -5.21 34.81 36.10 10.55 32.67 225 282 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5320.00 104.08 ------ ------ 90.24 35.92 10.58 32.66 225 282 AVERAGE

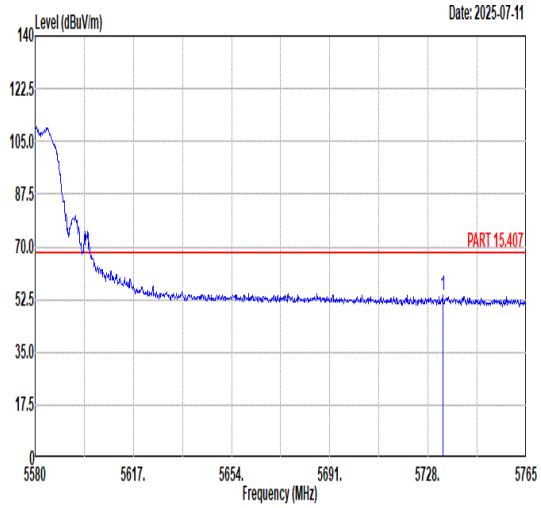
Mode	6	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11a_CH64_5320MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10640.00 55.64 74.00 -18.36 54.14 38.16 14.60 51.26 100 239 Peak 2 10640.00 46.16 54.00 -7.84 44.66 38.16 14.60 51.26 100 239 Average 3 15960.00 47.79 74.00 -26.21 42.65 41.02 17.23 53.11 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10640.00 54.97 74.00 -19.03 53.47 38.16 14.60 51.26 100 300 Peak 2 10640.00 45.69 54.00 -8.31 44.19 38.16 14.60 51.26 100 300 Average 3 15960.00 46.99 74.00 -27.01 41.85 41.02 17.23 53.11 --- --- Peak

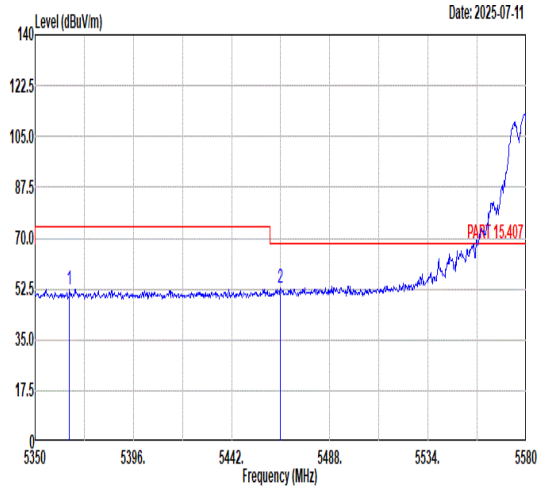
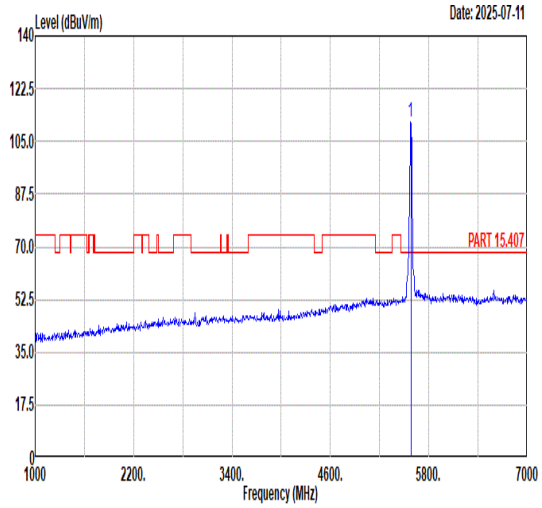
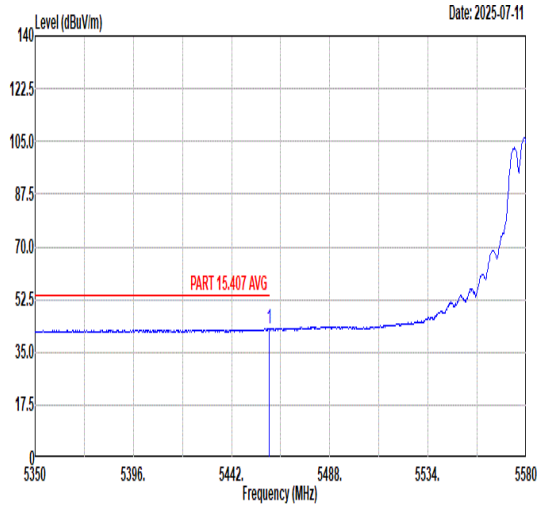
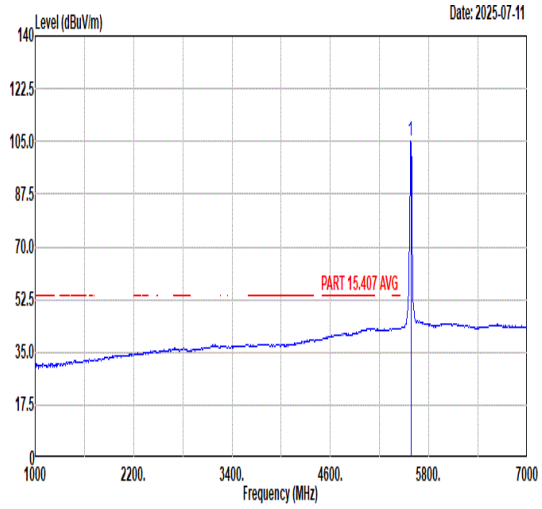
Mode	7	
	Band Edge	
	U-NII-2C_5.47-5.725_802.11a_CH100_5500MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5459.50 54.71 74.00 -19.29 40.92 35.94 10.54 32.69 207 28 PEAK 2 5467.30 60.02 68.30 -8.28 46.19 35.97 10.55 32.69 207 28 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5500.00 109.76 ------ ------ 95.78 36.10 10.58 32.70 207 28 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5459.95 45.42 54.00 -8.58 31.63 35.94 10.54 32.69 207 28 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5500.00 103.23 ------ ------ 89.25 36.10 10.58 32.70 207 28 AVERAGE

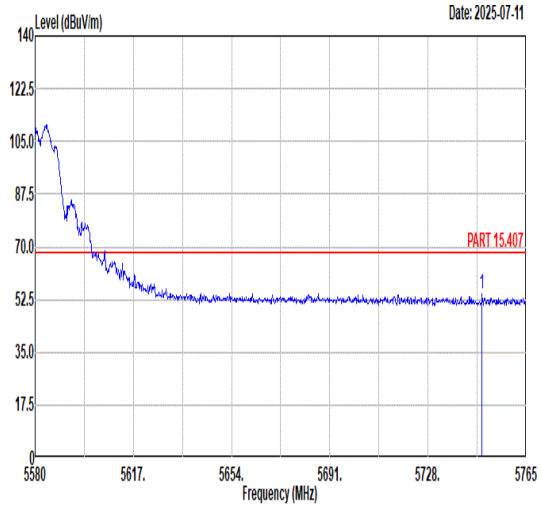
Mode	7	
	Band Edge	
	U-NII-2C_5.47-5.725_802.11a_CH100_5500MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5456.35 58.07 74.00 -15.93 44.29 35.93 10.54 32.69 230 280 PEAK 2 5467.45 64.69 68.30 -3.61 50.86 35.97 10.55 32.69 230 280 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5500.00 109.91 ------ ------ 95.93 36.10 10.58 32.70 230 280 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5459.65 46.17 54.00 -7.83 32.38 35.94 10.54 32.69 230 280 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5500.00 102.83 ------ ------ 88.85 36.10 10.58 32.70 230 280 AVERAGE

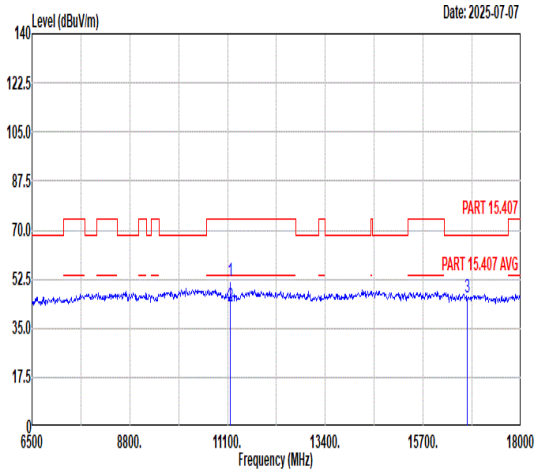
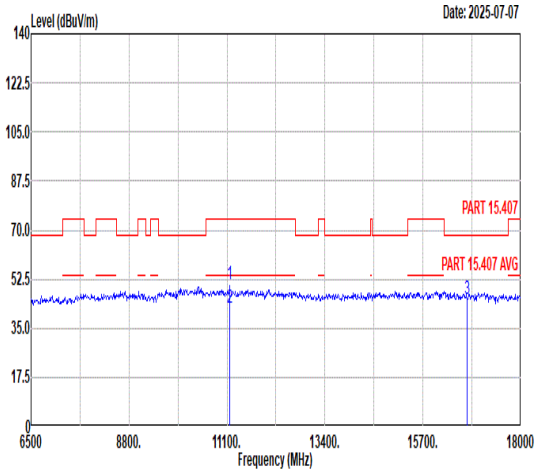
Mode	7	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11a_CH100_5500MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11000.00 52.57 74.00 -21.43 50.85 38.00 14.62 50.90 100 236 Peak 2 11000.00 42.71 54.00 -11.29 40.99 38.00 14.62 50.90 100 236 Average 3 16500.00 46.70 68.30 -21.60 40.94 41.20 17.66 53.10 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11000.00 53.16 74.00 -20.84 51.44 38.00 14.62 50.90 100 333 Peak 2 11000.00 42.96 54.00 -11.04 41.24 38.00 14.62 50.90 100 333 Average 3 16500.00 46.14 68.30 -22.16 40.38 41.20 17.66 53.10 --- --- Peak

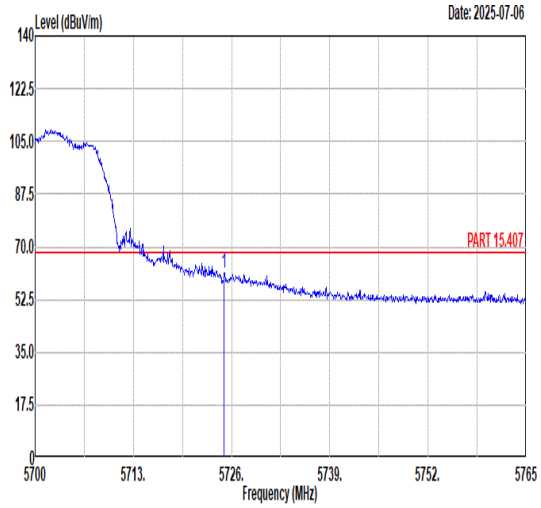
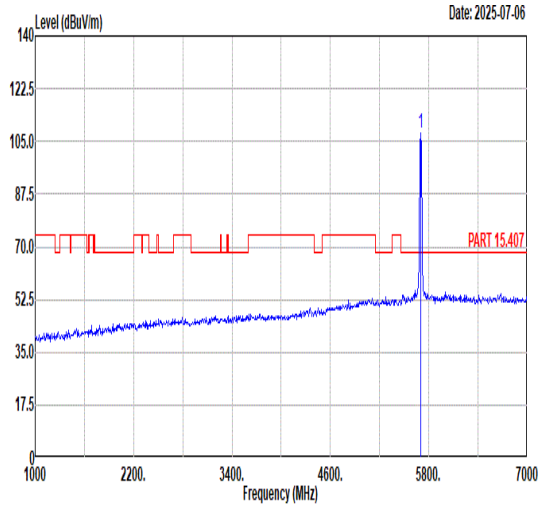
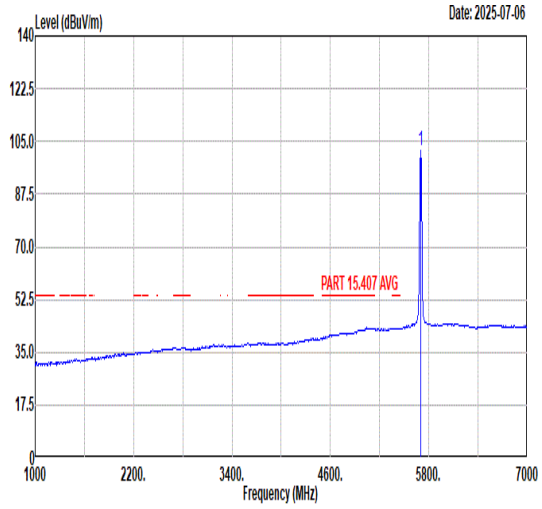
Mode	8	
	Band Edge - L	
	U-NII-2C_5.47-5.725_802.11a_CH116_5580MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5445.22 52.05 74.00 -21.95 38.30 35.91 10.53 32.69 100 5 PEAK 2 5462.01 52.11 68.30 -16.19 38.30 35.95 10.55 32.69 100 5 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5580.00 110.72 ------ ------ 96.52 36.26 10.67 32.73 100 5 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5456.49 42.32 54.00 -11.68 28.54 35.93 10.54 32.69 100 5 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5580.00 104.53 ------ ------ 90.33 36.26 10.67 32.73 100 5 AVERAGE

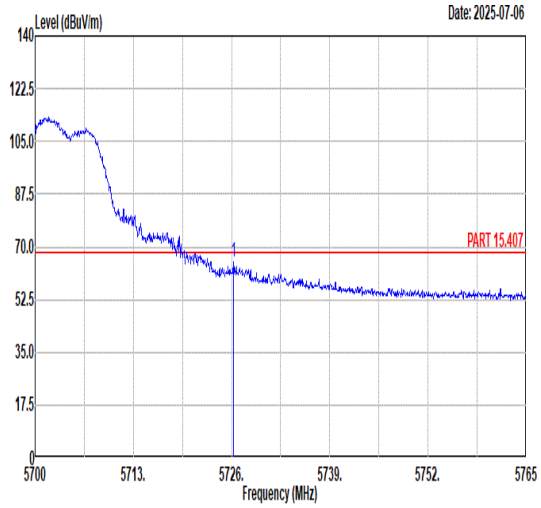
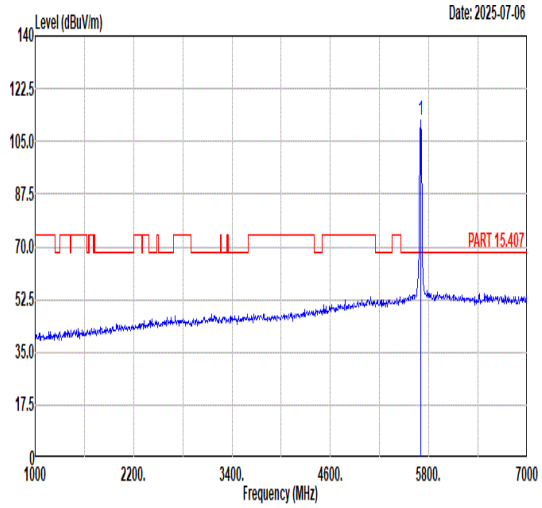
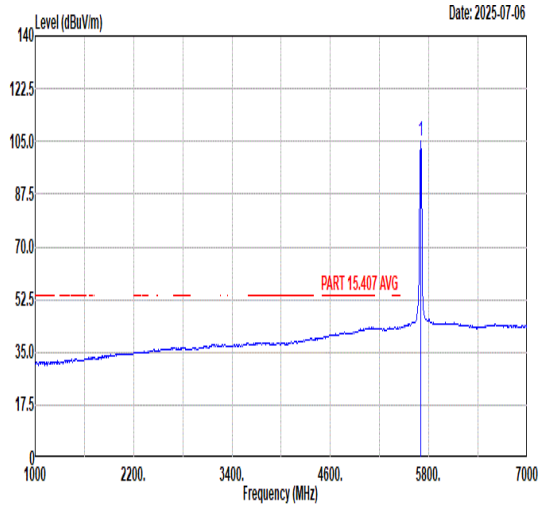
Mode	8	
	Band Edge - R	
	U-NII-2C_5.47-5.725_802.11a_CH116_5580MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Limit Margin Read Ant Cable Preamp APos TPos Freq Level Line (dB) Level Factor Loss Factor Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5733.55 53.66 68.30 -14.64 38.91 36.67 10.87 32.79 100 5 PEAK	Blank

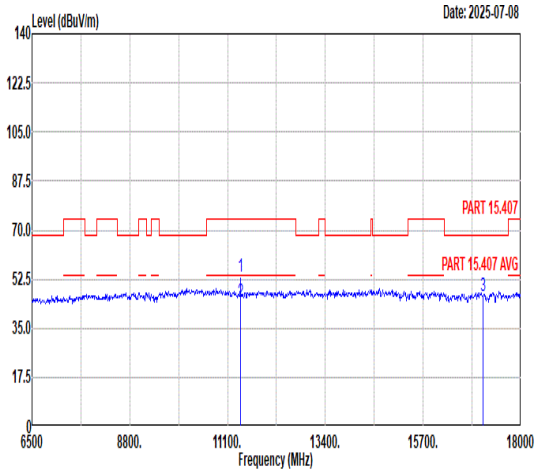
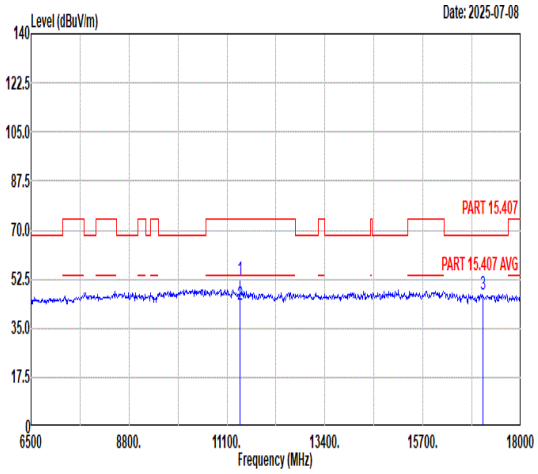
Mode	8	
	Band Edge - L	
	U-NII-2C_5.47-5.725_802.11a_CH116_5580MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5366.10 52.33 74.00 -21.67 38.39 36.07 10.54 32.67 100 270 PEAK 2 5465.00 52.60 68.30 -15.70 38.78 35.96 10.55 32.69 100 270 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5580.00 111.41 ------ ------ 97.21 36.26 10.67 32.73 100 270 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5459.48 42.68 54.00 -11.32 28.89 35.94 10.54 32.69 100 270 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5580.00 105.03 ------ ------ 90.83 36.26 10.67 32.73 100 270 AVERAGE

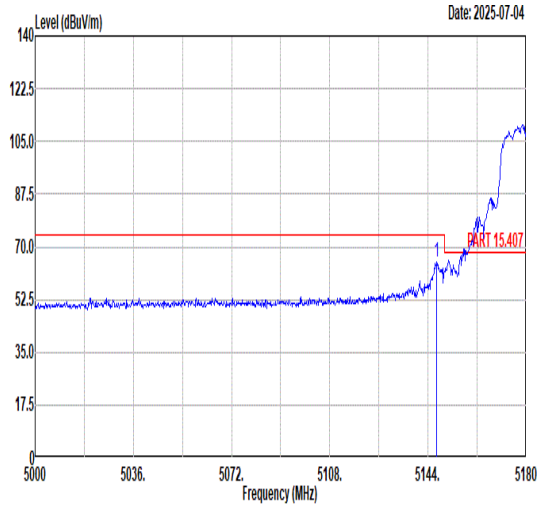
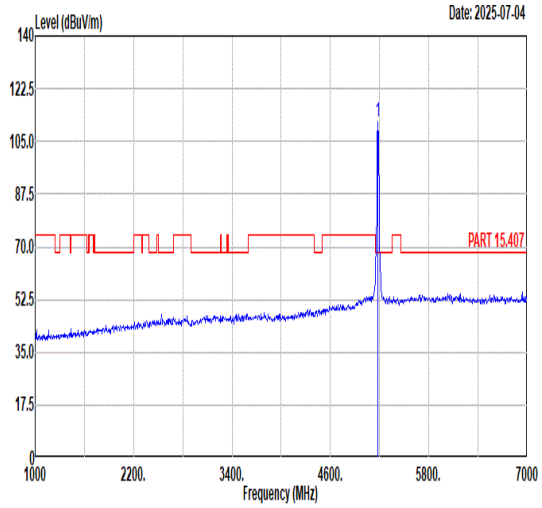
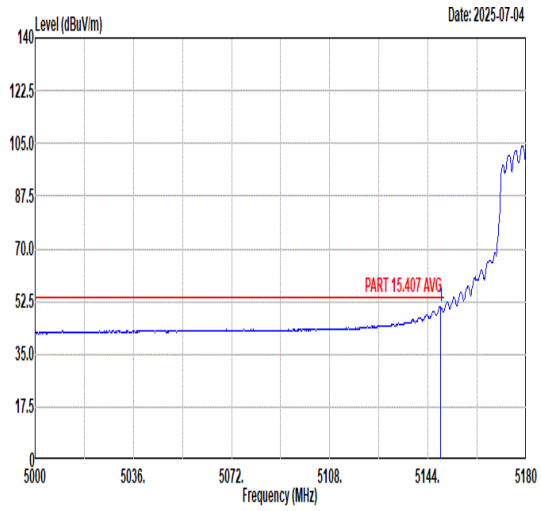
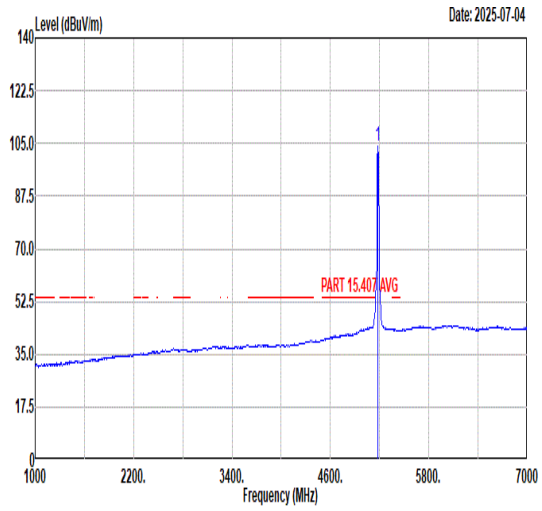
Mode	8	
	Band Edge - R	
	U-NII-2C_5.47-5.725_802.11a_CH116_5580MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5748.35 54.19 68.30 -14.11 39.43 36.70 10.86 32.80 100 270 PEAK	Blank

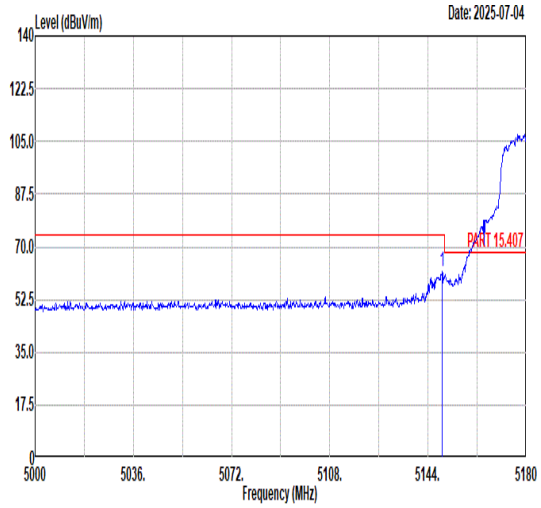
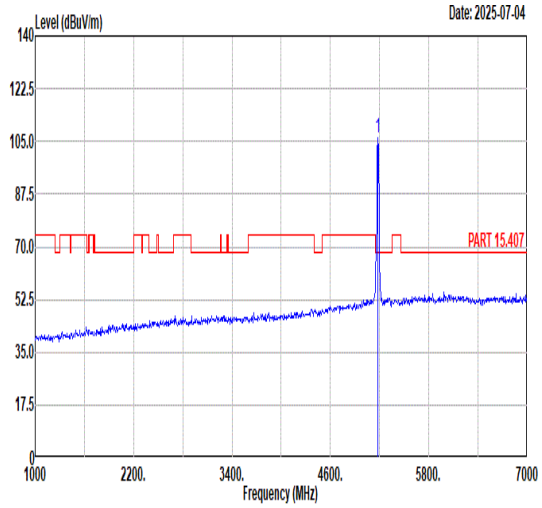
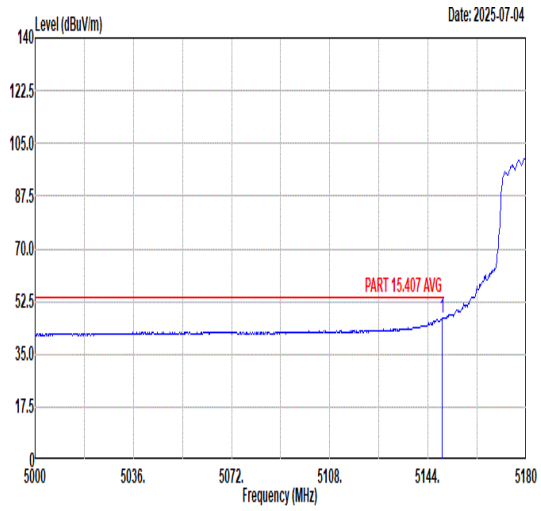
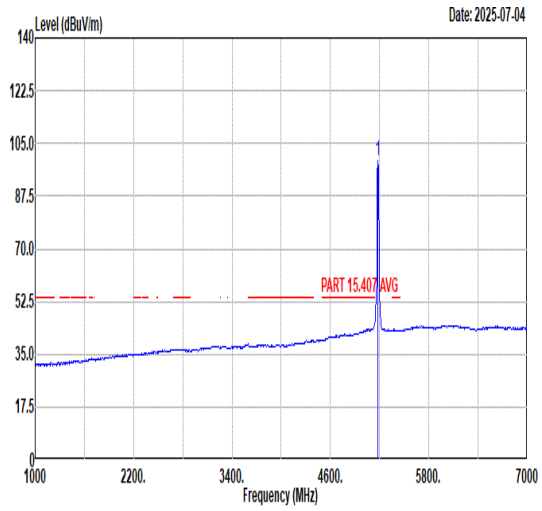
Mode	8	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11a_CH116_5580MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11160.00 51.97 74.00 -22.03 49.90 38.06 14.72 50.71 120 26 Peak 2 11160.00 43.03 54.00 -10.97 40.96 38.06 14.72 50.71 120 26 Average 3 16740.00 46.04 68.30 -22.26 39.54 41.44 17.87 52.81 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11160.00 50.54 74.00 -23.46 48.47 38.06 14.72 50.71 100 298 Peak 2 11160.00 42.31 54.00 -11.69 40.24 38.06 14.72 50.71 100 298 Average 3 16740.00 45.69 68.30 -22.61 39.19 41.44 17.87 52.81 --- --- Peak

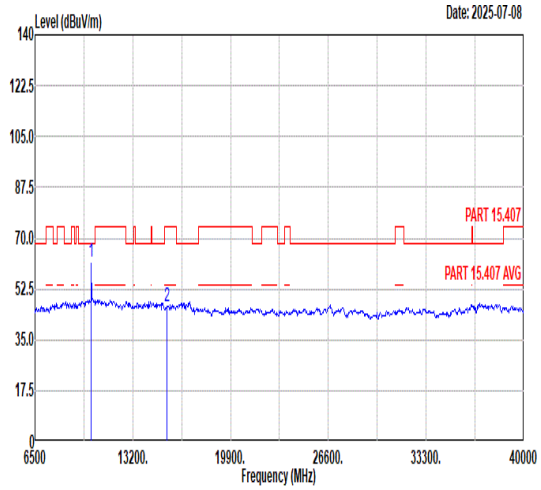
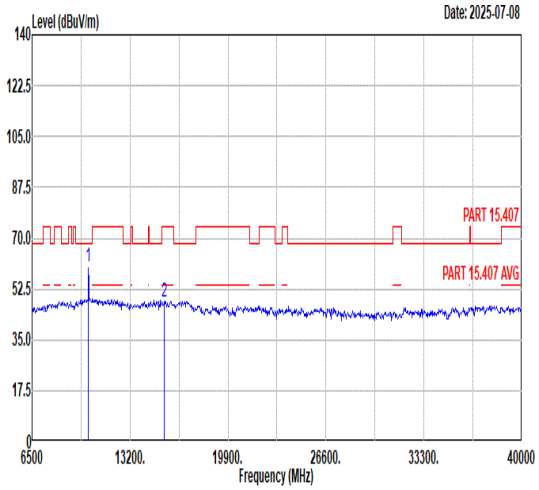
Mode	9	
	Band Edge	
	U-NII-2C_5.47-5.725_802.11a_CH140_5700MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5725.03 61.46 68.30 -6.84 46.73 36.65 10.87 32.79 210 9 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5700.00 107.87 ------ ------ 93.15 36.61 10.89 32.78 210 9 PEAK
Avg	Blank	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5700.00 101.73 ------ ------ 87.01 36.61 10.89 32.78 210 9 AVERAGE

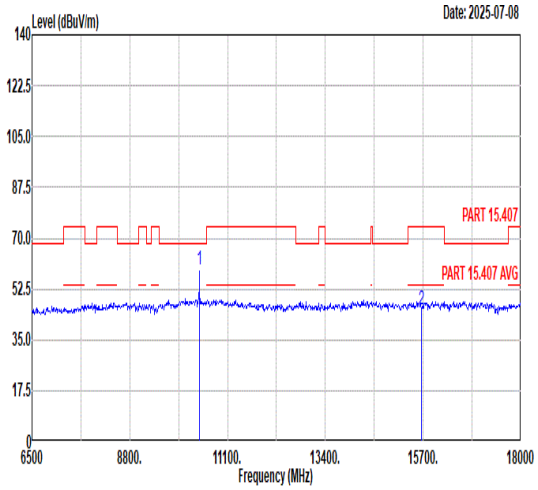
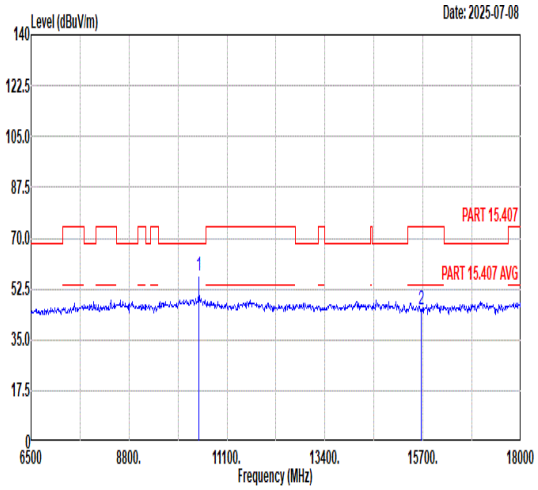
Mode	9	
	Band Edge	
	U-NII-2C_5.47-5.725_802.11a_CH140_5700MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5726.26 65.18 68.30 -3.12 50.45 36.65 10.87 32.79 210 283 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5700.00 111.89 ------ ------ 97.17 36.60 10.90 32.78 210 283 PEAK
Avg	Blank	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5700.00 105.03 ------ ------ 90.31 36.61 10.89 32.78 210 283 AVERAGE

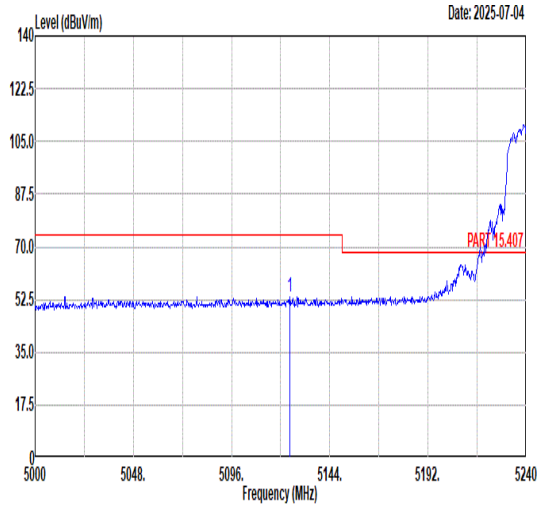
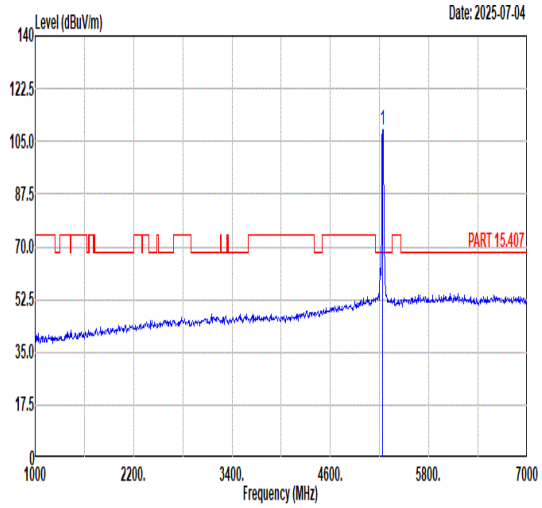
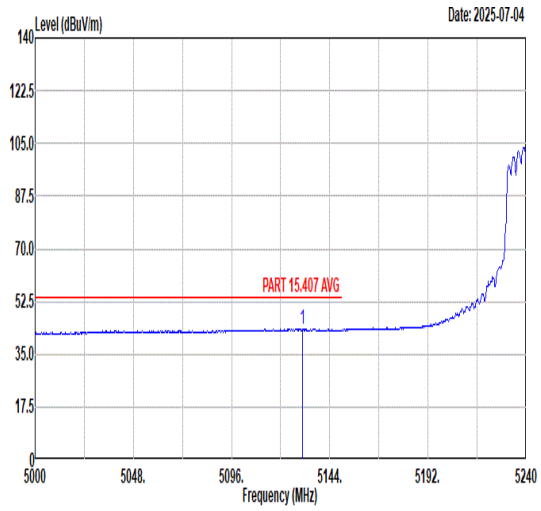
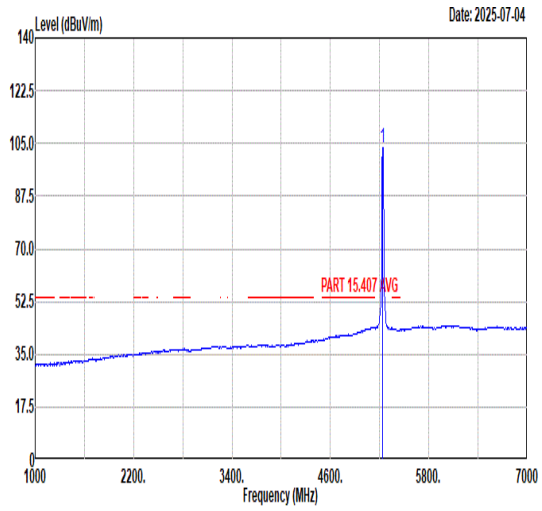
Mode	9	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11a_CH140_5700MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11400.00 53.42 74.00 -20.58 50.77 38.20 14.87 50.42 150 28 Peak 2 11400.00 44.42 54.00 -9.58 41.77 38.20 14.87 50.42 150 28 Average 3 17100.00 46.60 68.30 -21.70 38.26 43.00 18.06 52.72 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11400.00 52.12 74.00 -21.88 49.47 38.20 14.87 50.42 100 303 Peak 2 11400.00 43.41 54.00 -10.59 40.76 38.20 14.87 50.42 100 303 Average 3 17100.00 46.98 68.30 -21.32 38.64 43.00 18.06 52.72 --- --- Peak

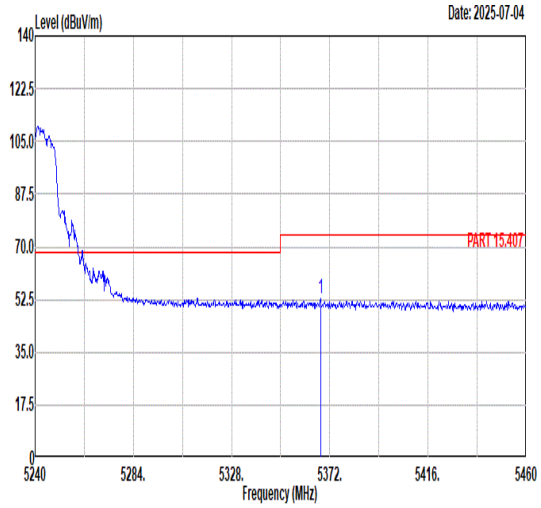
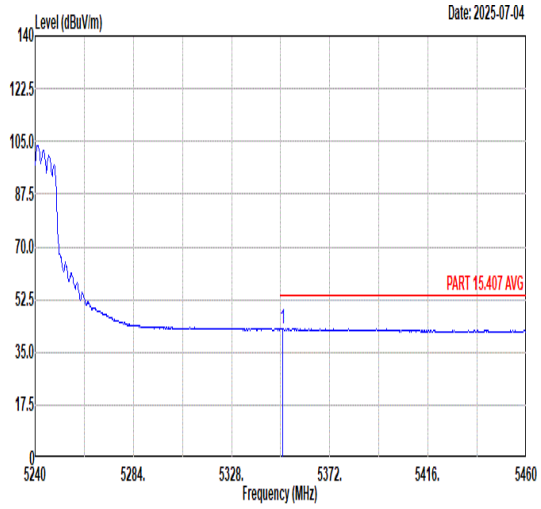
Mode	10	
	Band Edge	
	U-NII-1_5.15-5.25_802.11n HT20_CH36_Full_5180MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5147.24 64.80 74.00 -9.20 51.20 35.71 10.52 32.63 198 27 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5180.00 111.36 ------ ------ 97.79 35.75 10.46 32.64 198 27 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5148.50 50.95 54.00 -3.05 37.37 35.70 10.51 32.63 198 27 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5180.00 104.04 ------ ------ 90.48 35.76 10.44 32.64 198 27 AVERAGE

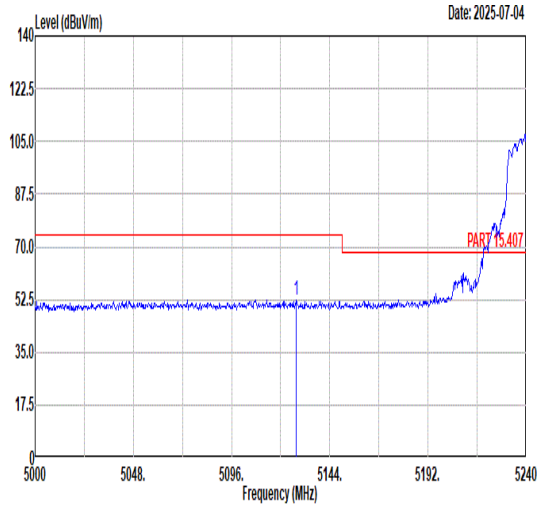
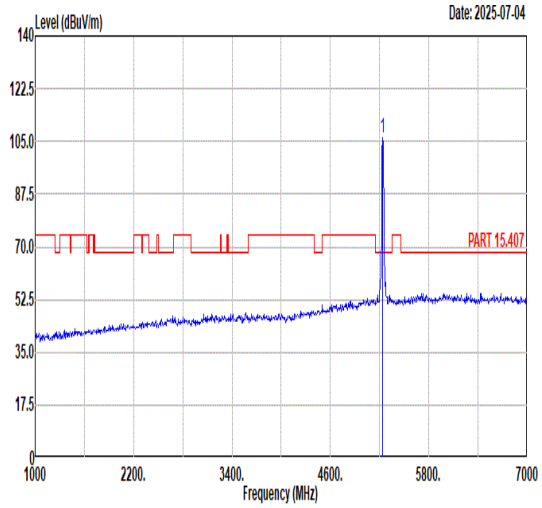
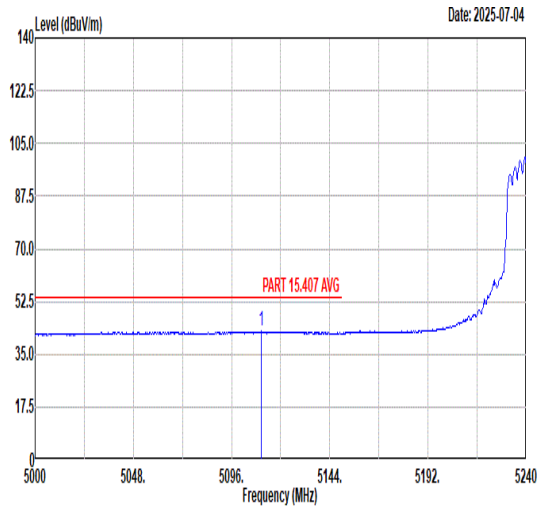
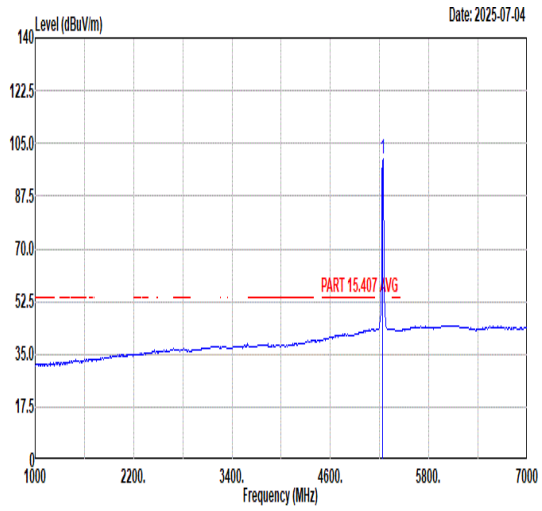
Mode	10	
	Band Edge	
	U-NII-1_5.15-5.25_802.11n HT20_CH36_Full_5180MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5149.22 61.99 74.00 -12.01 48.41 35.70 10.51 32.63 227 232 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5180.00 106.11 ------ ------ 92.55 35.76 10.44 32.64 227 232 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5149.22 47.09 54.00 -6.91 33.51 35.70 10.51 32.63 227 232 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5180.00 99.44 ------ ------ 85.88 35.76 10.44 32.64 227 232 AVERAGE

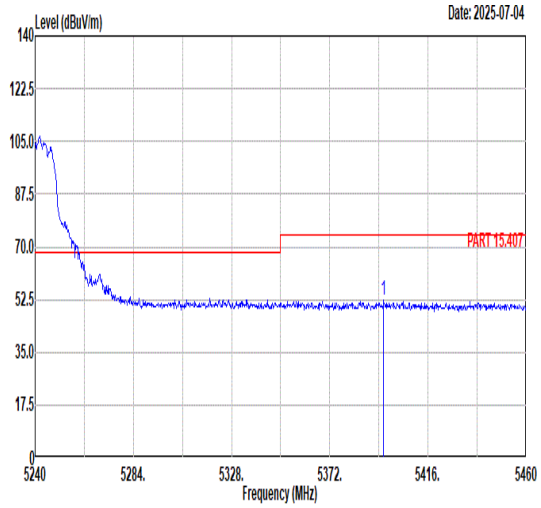
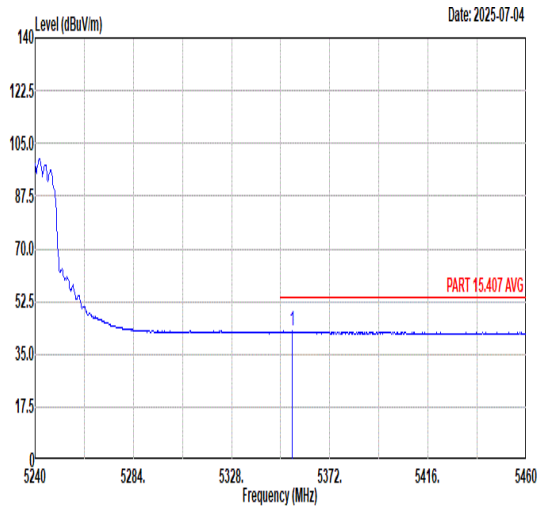
Mode	10	
	Harmonic	
	U-NII-1_5.15-5.25_802.11n HT20_CH36_Full_5180MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10360.00 62.03 68.30 -6.27 60.77 38.10 14.59 51.43 100 235 Peak 2 15540.00 46.44 74.00 -27.56 40.86 40.60 17.17 52.19 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10360.00 60.16 68.30 -8.14 58.90 38.10 14.59 51.43 100 303 Peak 2 15540.00 48.05 74.00 -25.95 42.47 40.60 17.17 52.19 --- --- Peak

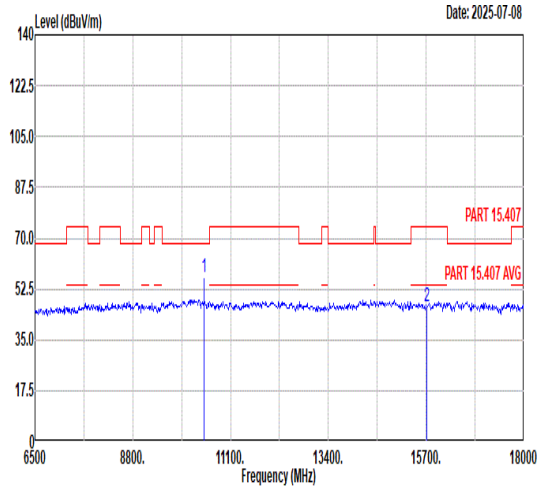
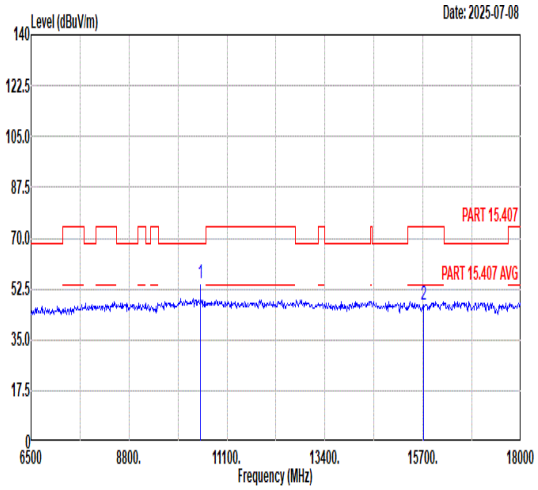
Mode	11	
	Harmonic	
	U-NII-1_5.15-5.25_802.11n HT20_CH44_Full_5220MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10440.00 59.12 68.30 -9.18 57.80 38.14 14.59 51.41 100 237 Peak 2 15660.00 45.64 74.00 -28.36 40.30 40.60 17.19 52.45 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10440.00 57.08 68.30 -11.22 55.76 38.14 14.59 51.41 100 303 Peak 2 15660.00 45.19 74.00 -28.81 39.85 40.60 17.19 52.45 --- --- Peak

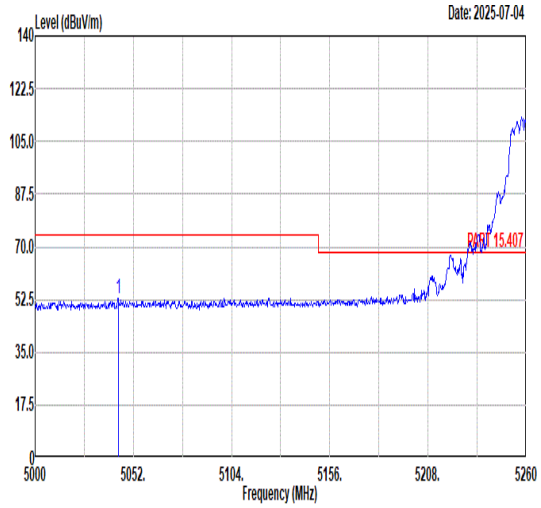
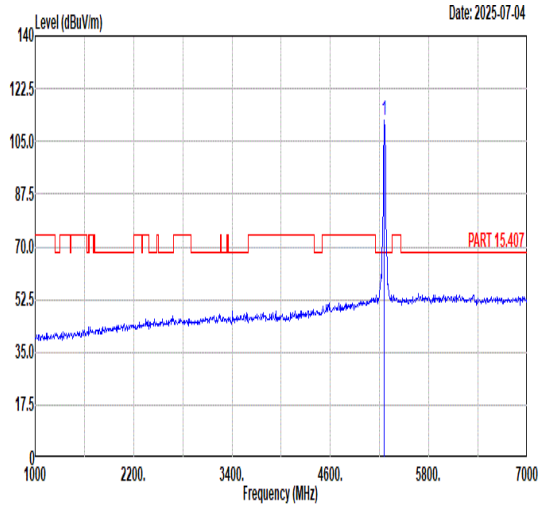
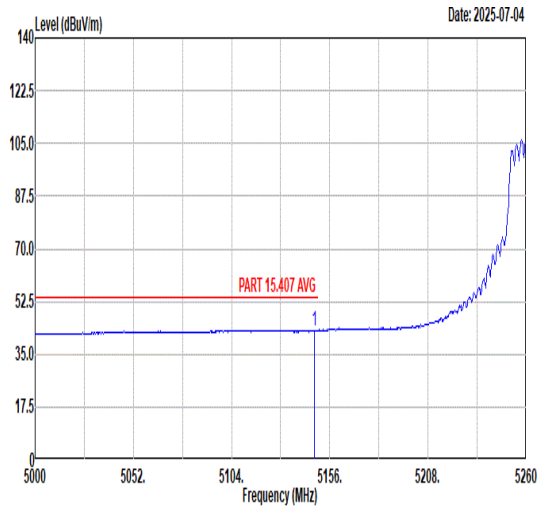
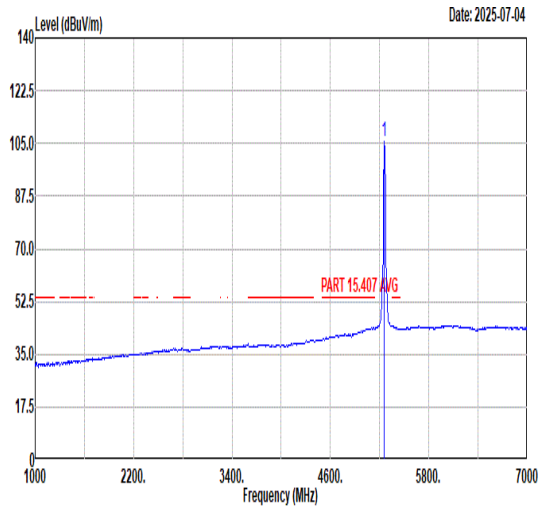
Mode	12	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11n HT20_CH48_Full_5240MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5124.32 53.42 74.00 -20.58 39.73 35.75 10.56 32.62 197 29 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5240.00 108.94 ------ ------ 95.31 35.80 10.48 32.65 197 29 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5130.80 43.35 54.00 -10.65 29.69 35.74 10.55 32.63 197 29 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5240.00 103.57 ------ ------ 89.94 35.80 10.48 32.65 197 29 AVERAGE

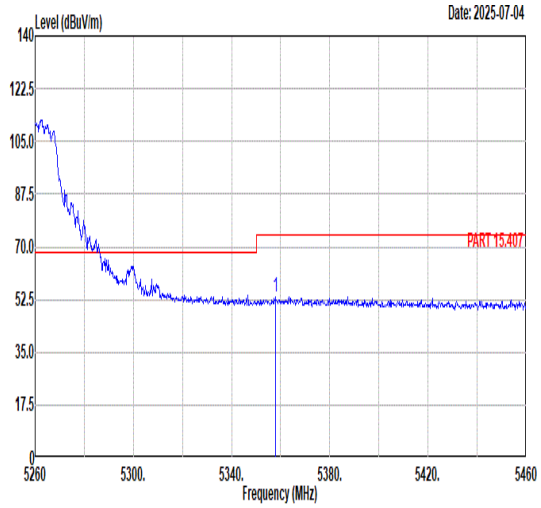
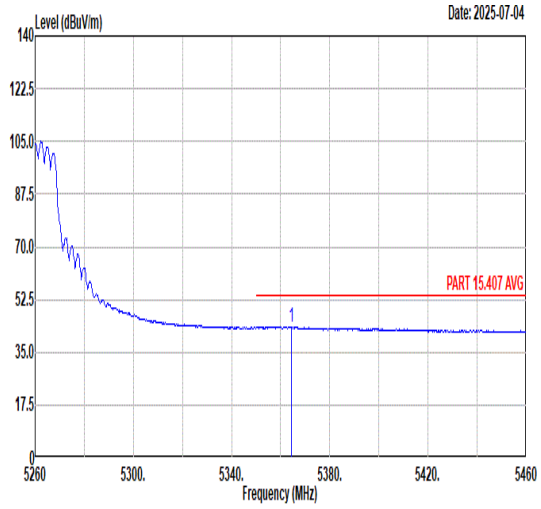
Mode	12	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11n HT20_CH48_Full_5240MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5367.82 52.66 74.00 -21.34 38.74 36.06 10.53 32.67 197 29 PEAK	Blank
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5350.88 42.94 54.00 -11.06 28.96 36.10 10.55 32.67 197 29 AVERAGE	Blank

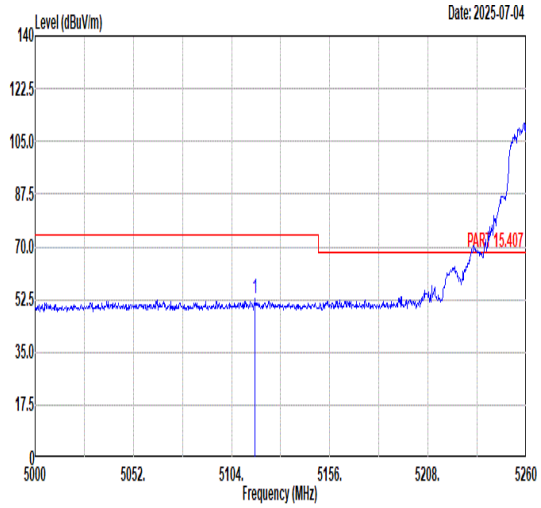
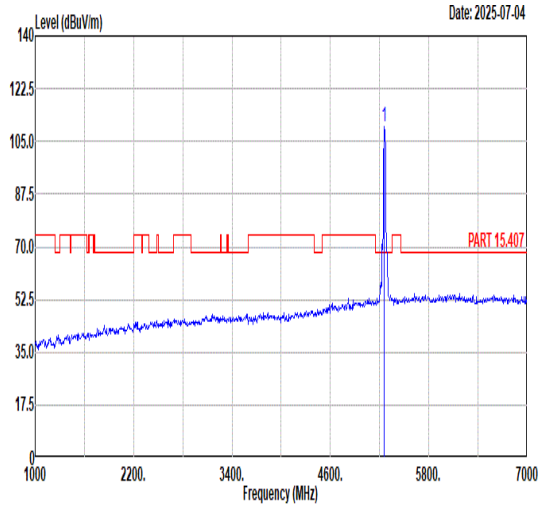
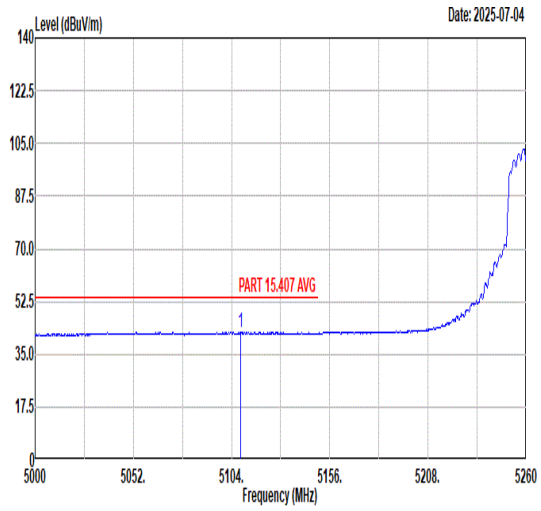
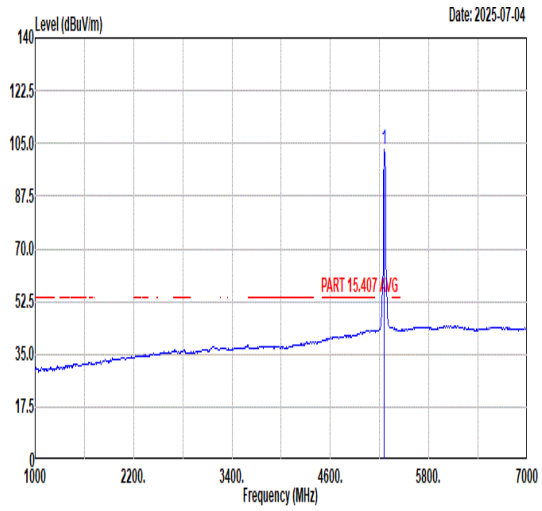
Mode	12	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11n HT20_CH48_Full_5240MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5127.44 52.27 74.00 -21.73 38.59 35.75 10.56 32.63 232 259 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5240.00 105.95 ------ ------ 92.32 35.80 10.48 32.65 232 259 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5110.40 42.66 54.00 -11.34 28.91 35.78 10.59 32.62 232 259 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5240.00 99.97 ------ ------ 86.33 35.80 10.49 32.65 232 259 AVERAGE

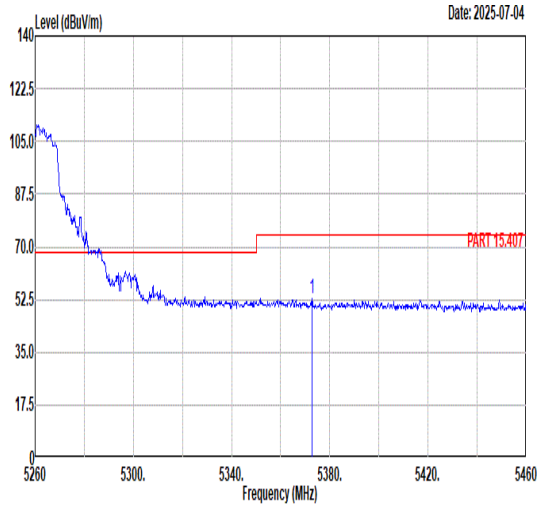
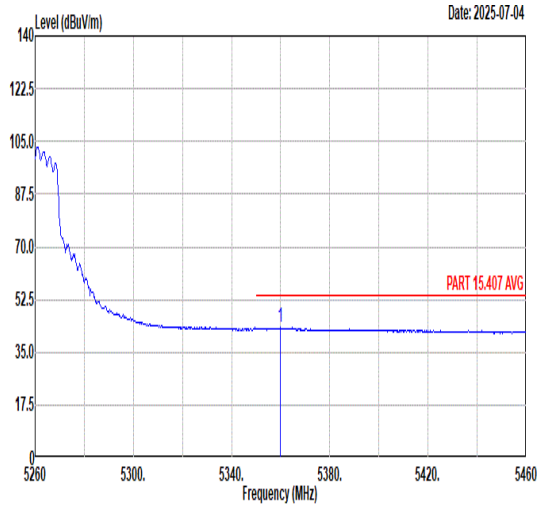
Mode	12	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11n HT20_CH48_Full_5240MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5396.20 52.30 74.00 -21.70 38.46 36.01 10.51 32.68 232 259 PEAK	Blank
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5355.28 42.62 54.00 -11.38 28.65 36.09 10.55 32.67 232 259 AVERAGE	Blank

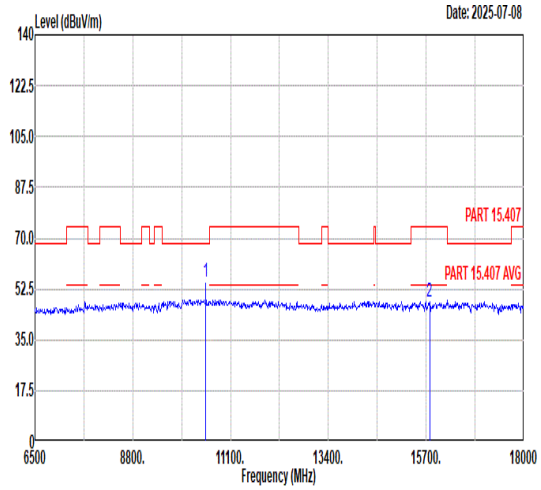
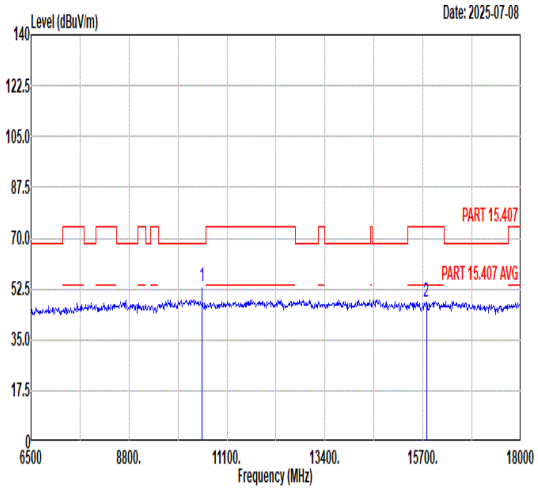
Mode	12	
	Harmonic	
	U-NII-1_5.15-5.25_802.11n HT20_CH48_Full_5240MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10480.00 56.54 68.30 -11.76 55.17 38.18 14.59 51.40 100 235 Peak 2 15720.00 46.27 74.00 -27.73 41.04 40.62 17.19 52.58 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10480.00 54.60 68.30 -13.70 53.23 38.18 14.59 51.40 100 305 Peak 2 15720.00 47.23 74.00 -26.77 42.00 40.62 17.19 52.58 --- --- Peak

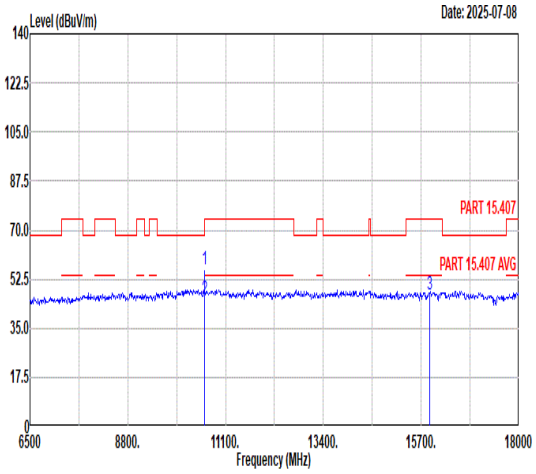
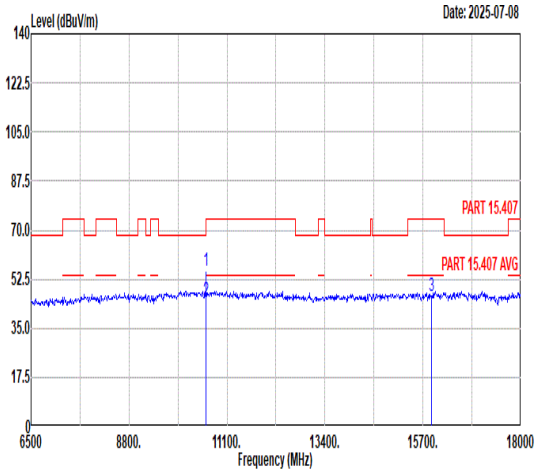
Mode	13	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11n HT20_CH52_Full_5260MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5043.94 53.04 74.00 -20.96 39.37 35.80 10.48 32.61 215 30 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5260.00 111.99 ------ ------ 98.32 35.80 10.52 32.65 215 30 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5147.94 43.01 54.00 -10.99 29.42 35.70 10.52 32.63 215 30 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5260.00 105.80 ------ ------ 92.13 35.80 10.52 32.65 215 30 AVERAGE

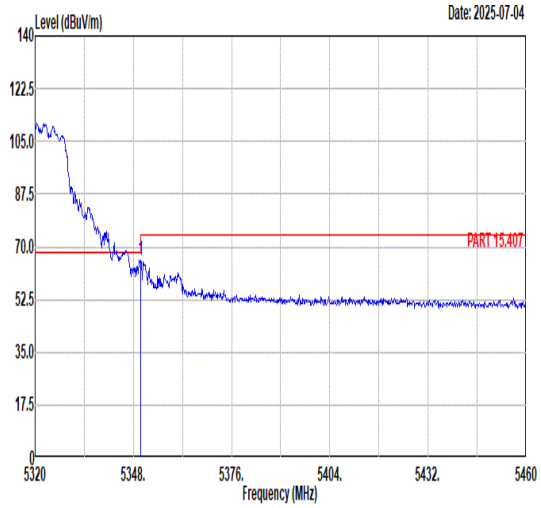
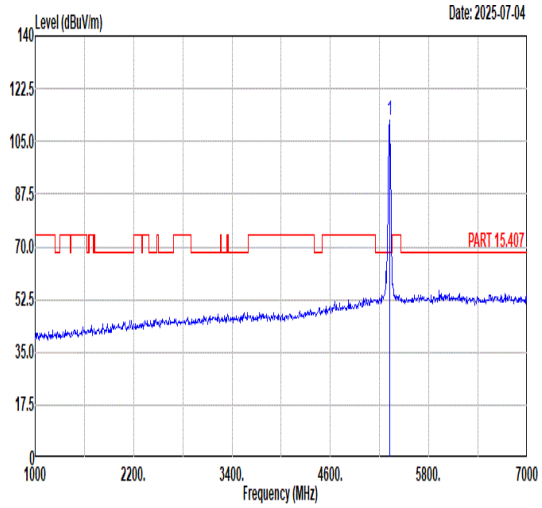
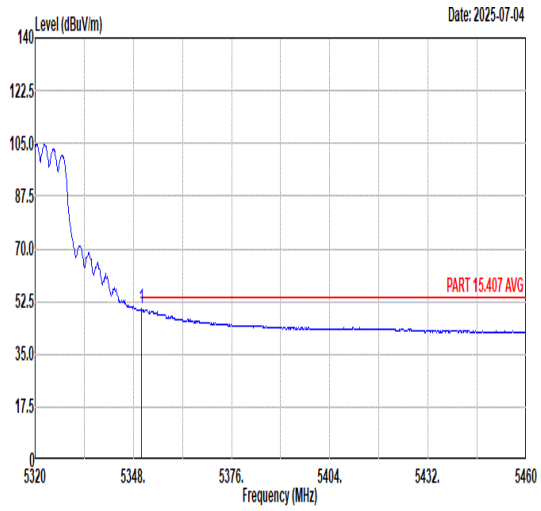
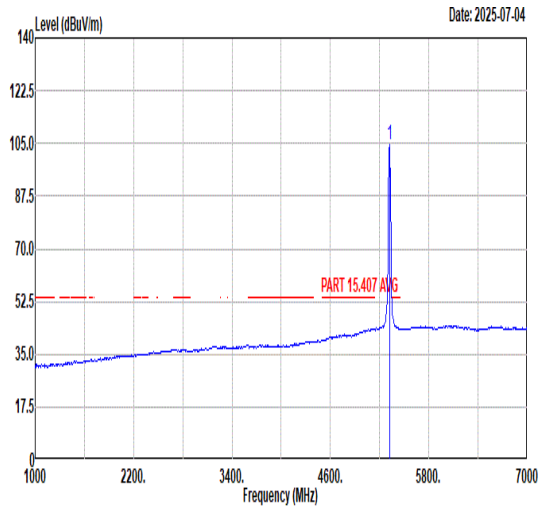
Mode	13	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11n HT20_CH52_Full_5260MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5358.00 53.55 74.00 -20.45 39.60 36.08 10.54 32.67 215 30 PEAK	Blank
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5364.40 43.49 54.00 -10.51 29.55 36.07 10.54 32.67 215 30 AVERAGE	Blank

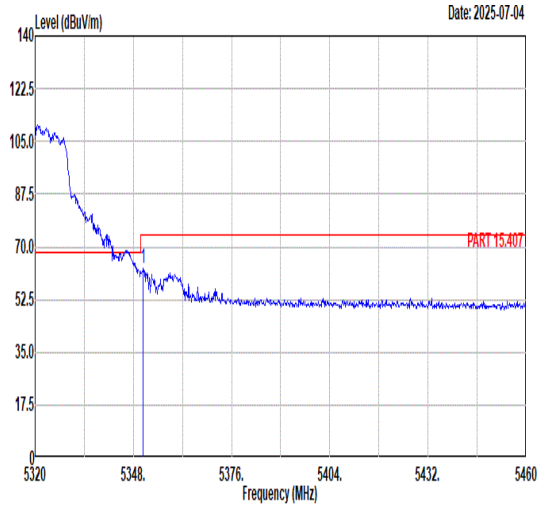
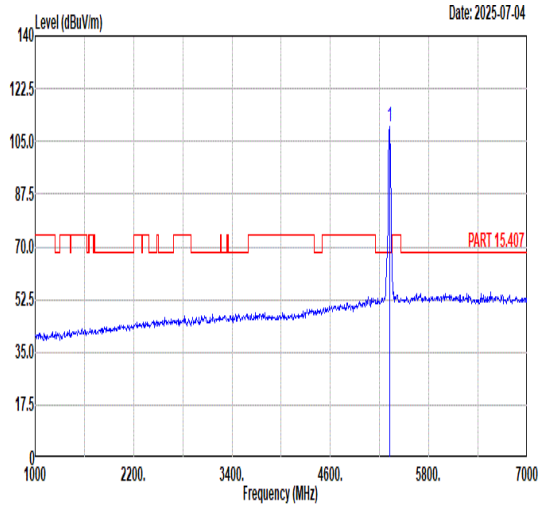
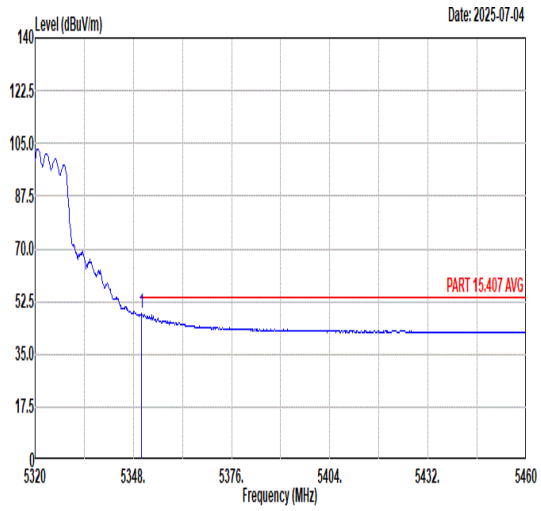
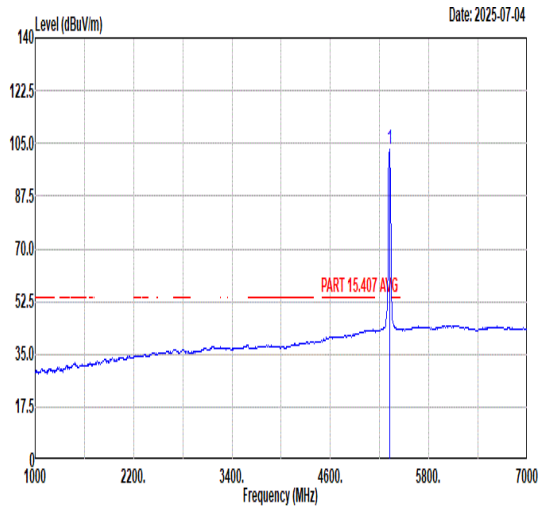
Mode	13	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11n HT20_CH52_Full_5260MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5116.48 52.76 74.00 -21.24 39.03 35.77 10.58 32.62 215 255 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5260.00 109.87 ------ ------ 96.20 35.80 10.52 32.65 215 255 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5108.68 42.34 54.00 -11.66 28.58 35.78 10.60 32.62 215 255 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5260.00 102.90 ------ ------ 89.23 35.80 10.52 32.65 215 255 AVERAGE

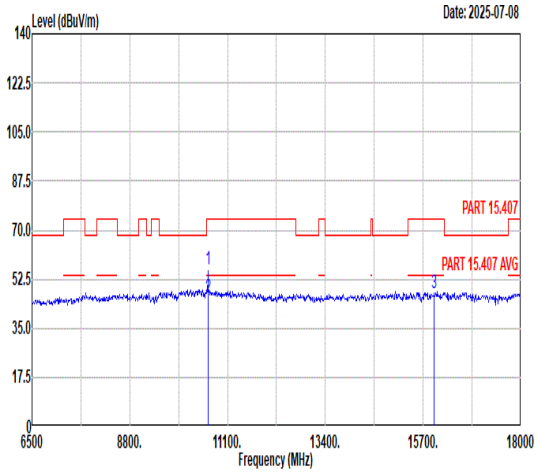
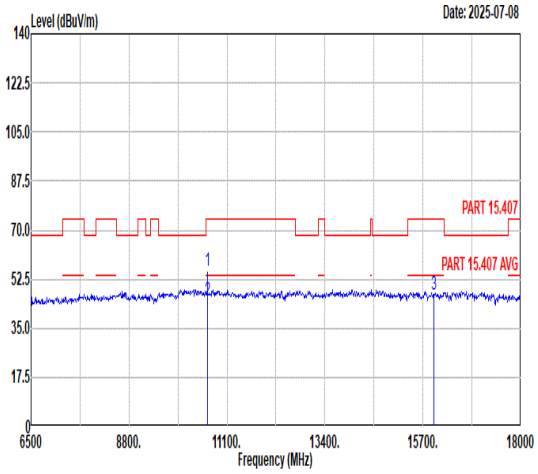
Mode	13	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11n HT20_CH52_Full_5260MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5372.80 53.08 74.00 -20.92 39.17 36.05 10.53 32.67 215 255 PEAK	Blank
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5360.00 43.33 54.00 -10.67 29.38 36.08 10.54 32.67 215 255 AVERAGE	Blank

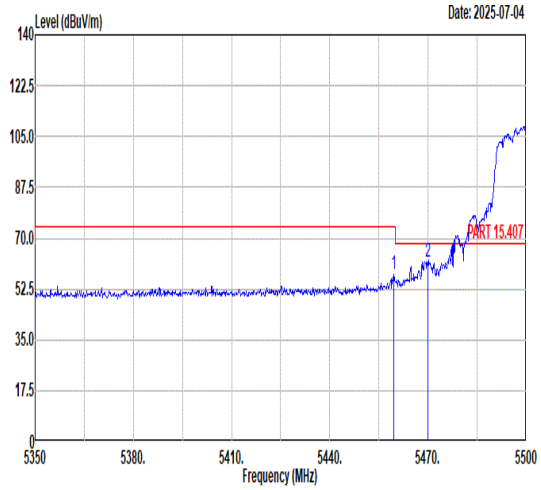
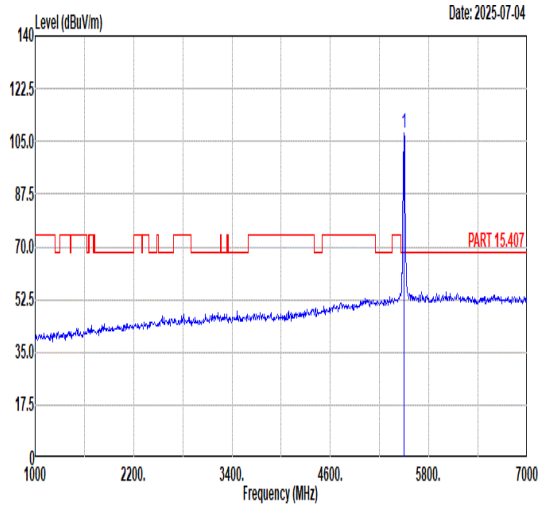
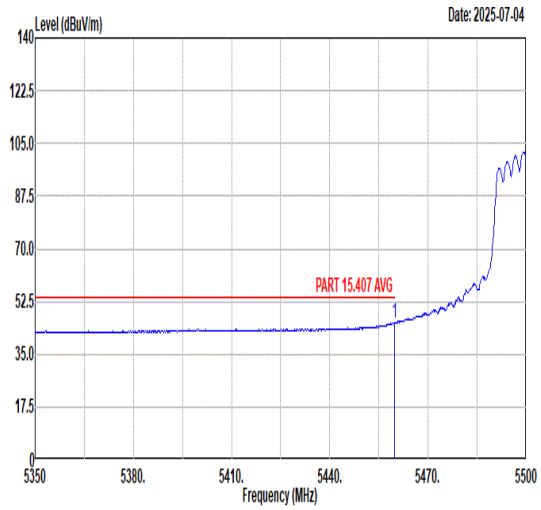
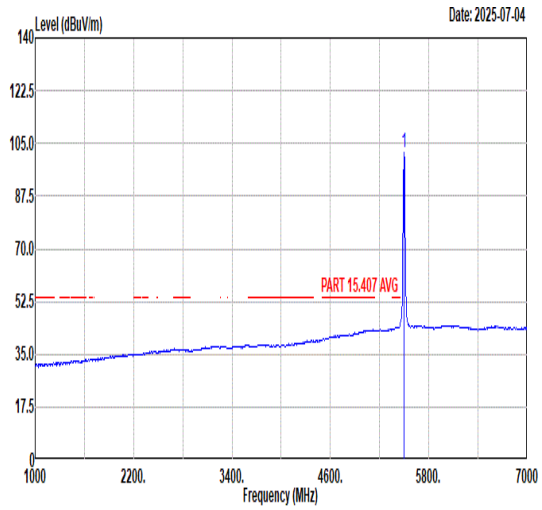
Mode	13	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11n HT20_CH52_Full_5260MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10520.00 54.98 68.30 -13.32 53.56 38.20 14.60 51.38 100 237 Peak 2 15780.00 48.05 74.00 -25.95 42.89 40.68 17.20 52.72 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10520.00 53.10 68.30 -15.20 51.68 38.20 14.60 51.38 100 303 Peak 2 15780.00 48.27 74.00 -25.73 43.11 40.68 17.20 52.72 --- --- Peak

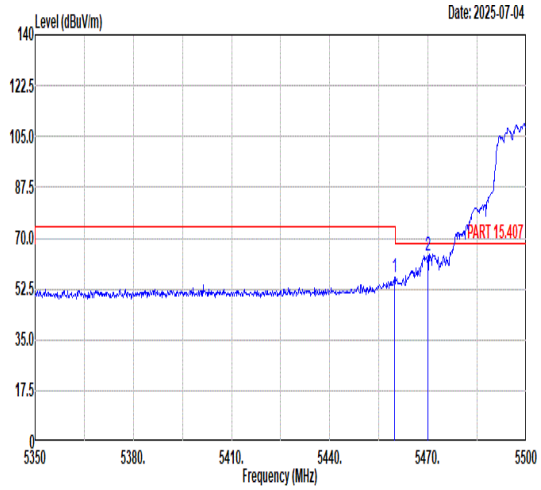
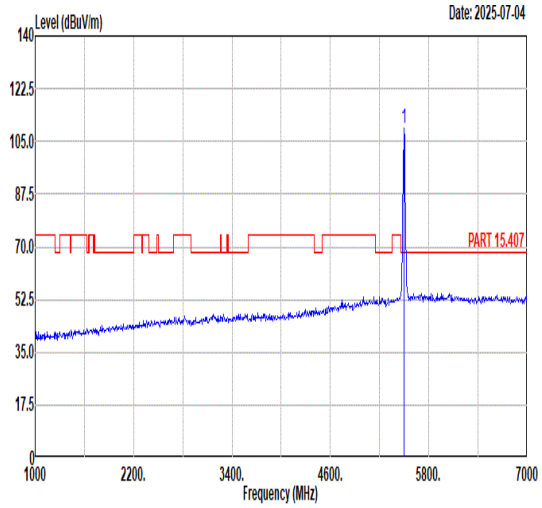
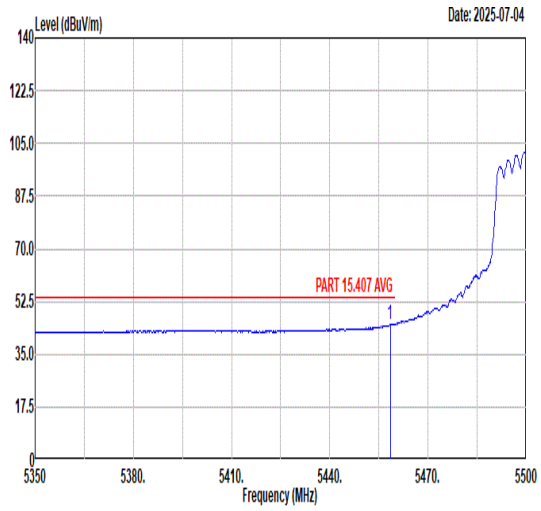
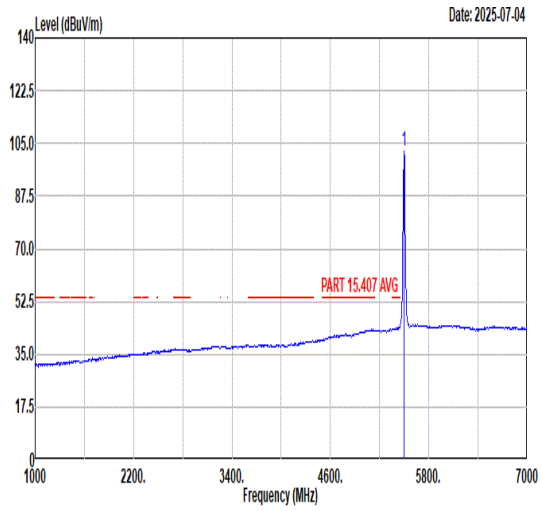
Mode	14	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11n HT20_CH60_Full_5300MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10600.00 56.07 74.00 -17.93 54.57 38.20 14.60 51.30 100 237 Peak 2 10600.00 45.47 54.00 -8.53 43.97 38.20 14.60 51.30 100 237 Average 3 15900.00 47.28 74.00 -26.72 42.14 40.90 17.22 52.98 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10600.00 55.40 74.00 -18.60 53.90 38.20 14.60 51.30 100 303 Peak 2 10600.00 44.74 54.00 -9.26 43.24 38.20 14.60 51.30 100 303 Average 3 15900.00 46.70 74.00 -27.30 41.56 40.90 17.22 52.98 --- --- Peak

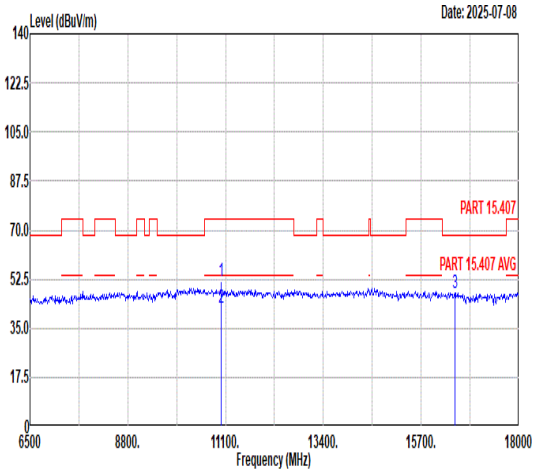
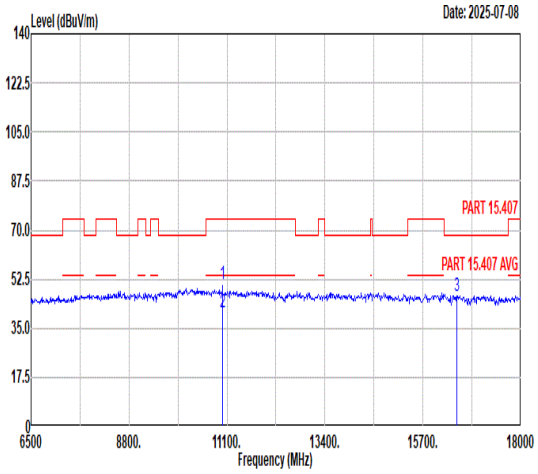
Mode	15	
	Band Edge	
	U-NII-2A_5.25-5.35_802.11n HT20_CH64_Full_5320MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5350.10 65.32 74.00 -8.68 51.34 36.10 10.55 32.67 198 29 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5320.00 112.13 ------ ------ 98.29 35.92 10.58 32.66 198 29 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5350.38 50.05 54.00 -3.95 36.07 36.10 10.55 32.67 198 29 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5320.00 104.53 ------ ------ 90.69 35.92 10.58 32.66 198 29 AVERAGE

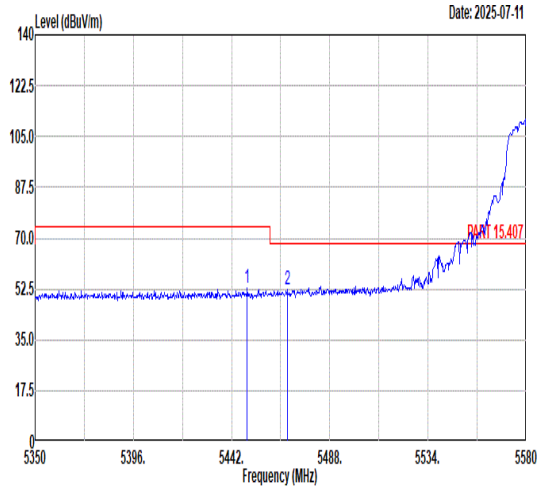
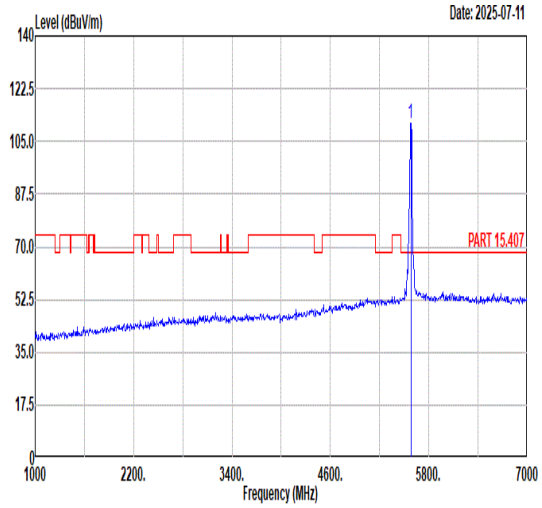
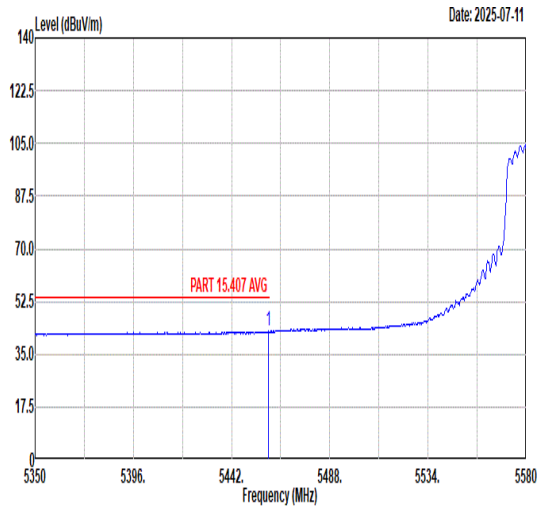
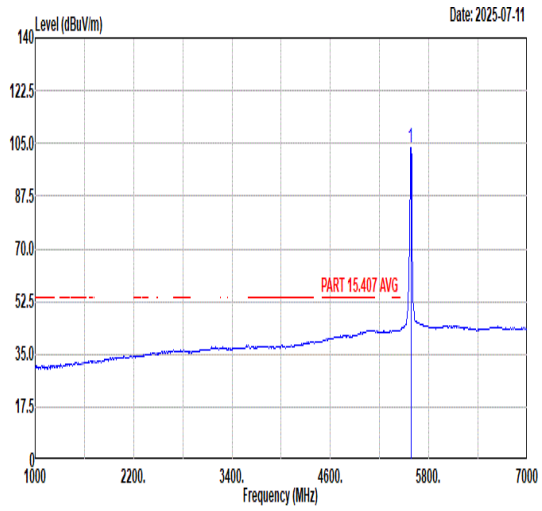
Mode	15	
	Band Edge	
	U-NII-2A_5.25-5.35_802.11n HT20_CH64_Full_5320MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5350.80 62.61 74.00 -11.39 48.63 36.10 10.55 32.67 225 258 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5320.00 109.65 ------ ------ 95.81 35.92 10.58 32.66 225 258 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5350.38 48.66 54.00 -5.34 34.68 36.10 10.55 32.67 225 258 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5320.00 102.96 ------ ------ 89.12 35.92 10.58 32.66 225 258 AVERAGE

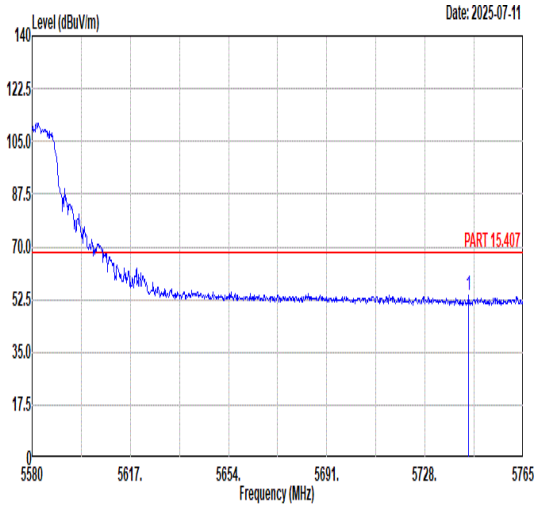
Mode	15	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11n HT20_CH64_Full_5320MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10640.00 56.07 74.00 -17.93 54.57 38.16 14.60 51.26 100 237 Peak 2 10640.00 45.97 54.00 -8.03 44.47 38.16 14.60 51.26 100 237 Average 3 15960.00 47.39 74.00 -26.61 42.25 41.02 17.23 53.11 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10640.00 55.27 74.00 -18.73 53.77 38.16 14.60 51.26 100 305 Peak 2 10640.00 44.97 54.00 -9.03 43.47 38.16 14.60 51.26 100 305 Average 3 15960.00 46.78 74.00 -27.22 41.64 41.02 17.23 53.11 --- --- Peak

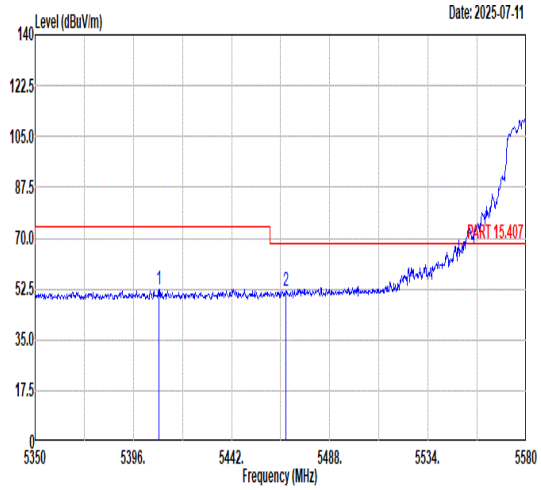
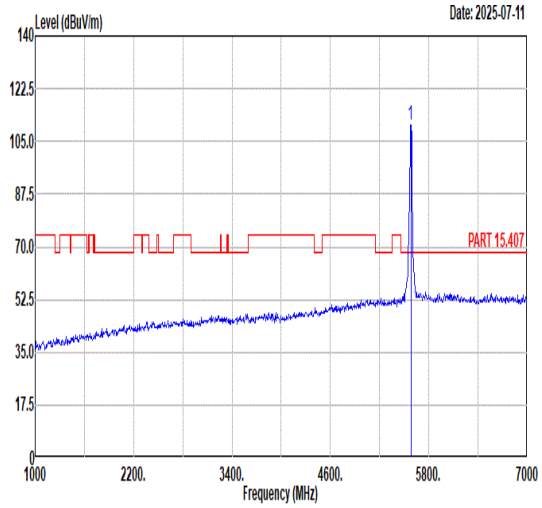
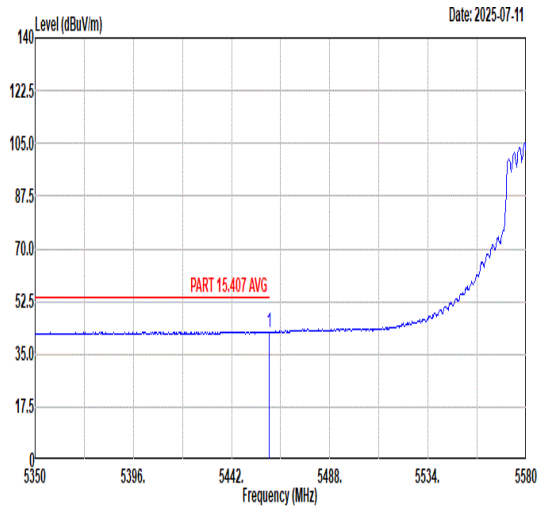
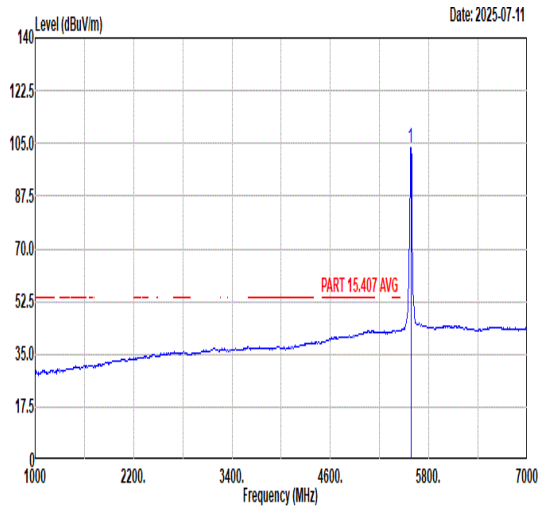
Mode	16	
	Band Edge	
	U-NII-2C_5.47-5.725_802.11n HT20_CH100_Full_5500MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5459.65 57.80 74.00 -16.20 44.01 35.94 10.54 32.69 202 28 PEAK 2 5469.85 62.04 68.30 -6.26 48.20 35.98 10.55 32.69 202 28 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5500.00 107.83 ------ ------ 93.85 36.10 10.58 32.70 202 28 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5459.80 45.37 54.00 -8.63 31.58 35.94 10.54 32.69 202 28 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5500.00 101.88 ------ ------ 87.90 36.10 10.58 32.70 202 28 AVERAGE

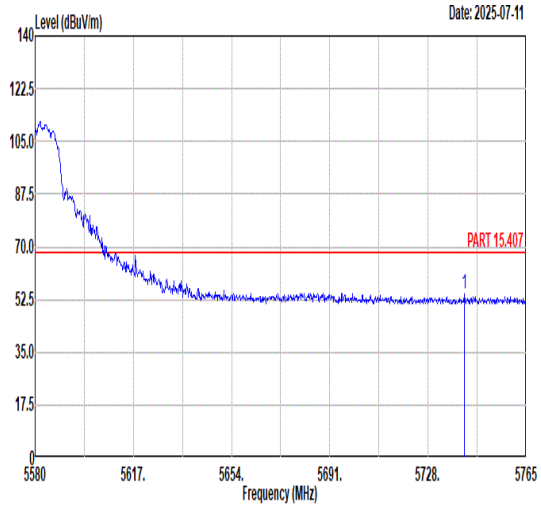
Mode	16	
	Band Edge	
	U-NII-2C_5.47-5.725_802.11n HT20_CH100_Full_5500MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5459.80 56.40 74.00 -17.60 42.61 35.94 10.54 32.69 228 265 PEAK 2 5470.00 64.06 68.30 -4.24 50.22 35.98 10.55 32.69 228 265 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5500.00 109.61 ------ ------ 95.63 36.10 10.58 32.70 228 265 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5458.45 44.90 54.00 -9.10 31.12 35.93 10.54 32.69 228 265 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5500.00 102.34 ------ ------ 88.36 36.10 10.58 32.70 228 265 AVERAGE

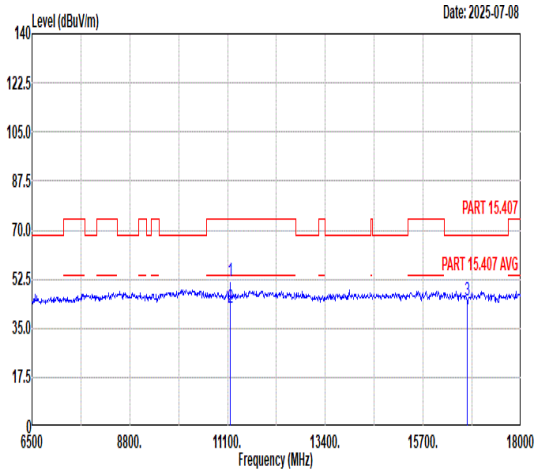
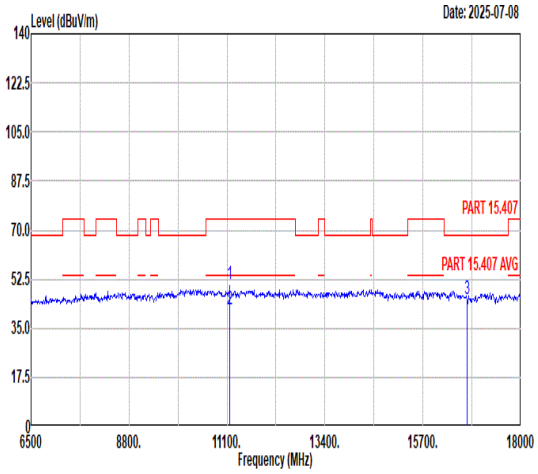
Mode	16	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11n HT20_CH100_Full_5500MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11000.00 51.95 74.00 -22.05 50.23 38.00 14.62 50.90 100 237 Peak 2 11000.00 42.08 54.00 -11.92 40.36 38.00 14.62 50.90 100 237 Average 3 16500.00 47.58 68.30 -20.72 41.82 41.20 17.66 53.10 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11000.00 50.95 74.00 -23.05 49.23 38.00 14.62 50.90 100 303 Peak 2 11000.00 40.85 54.00 -13.15 39.13 38.00 14.62 50.90 100 303 Average 3 16500.00 46.24 68.30 -22.06 40.48 41.20 17.66 53.10 --- --- Peak

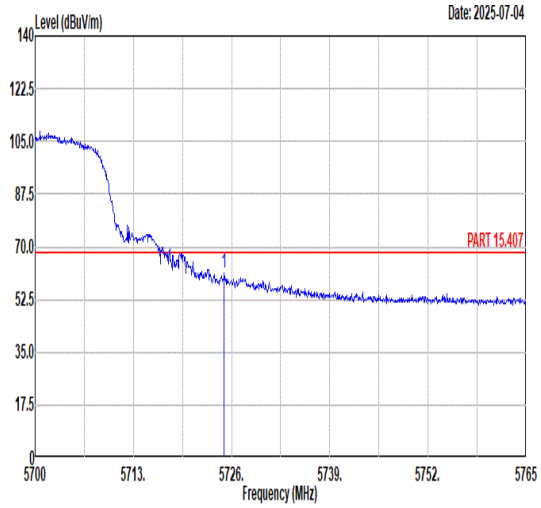
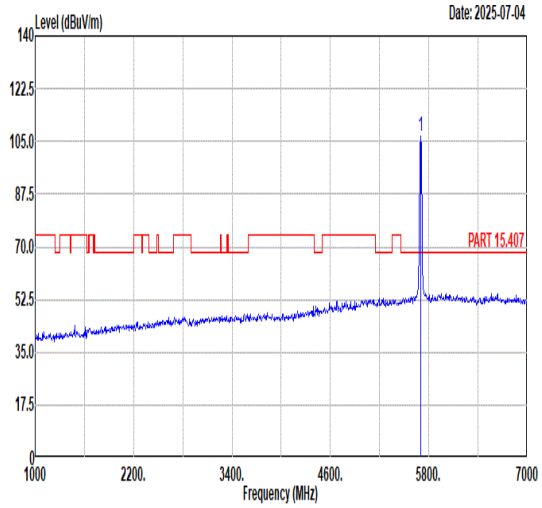
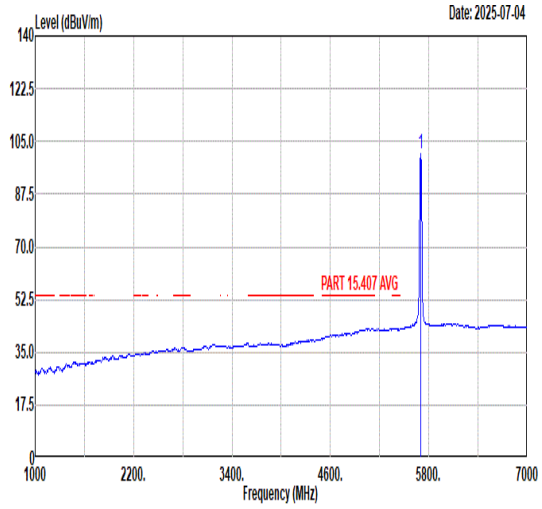
Mode	17	
	Band Edge - L	
	U-NII-2C_5.47-5.725_802.11n HT20_CH116_Full_5580MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5449.36 52.64 74.00 -21.36 38.89 35.90 10.54 32.69 104 4 PEAK 2 5467.99 52.20 68.30 -16.10 38.37 35.97 10.55 32.69 104 4 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5580.00 110.94 ------ ------ 96.72 36.27 10.68 32.73 104 4 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5459.25 42.79 54.00 -11.21 29.00 35.94 10.54 32.69 104 4 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5580.00 103.78 ------ ------ 89.58 36.26 10.67 32.73 104 4 AVERAGE

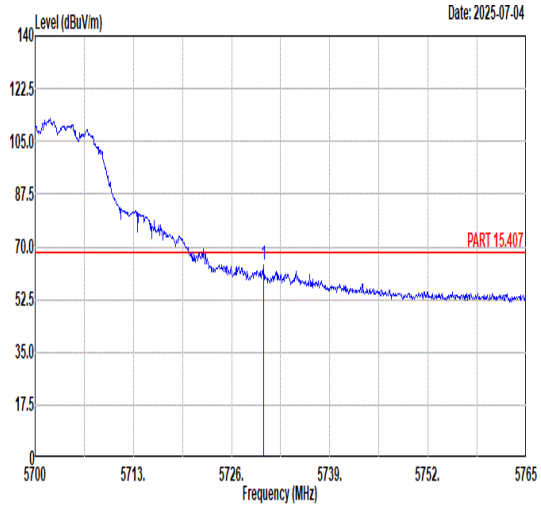
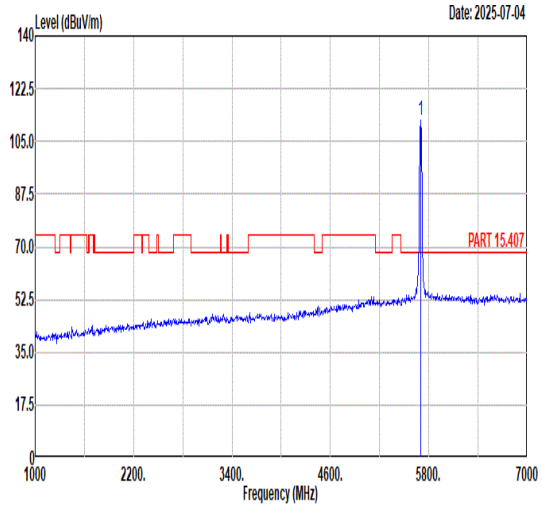
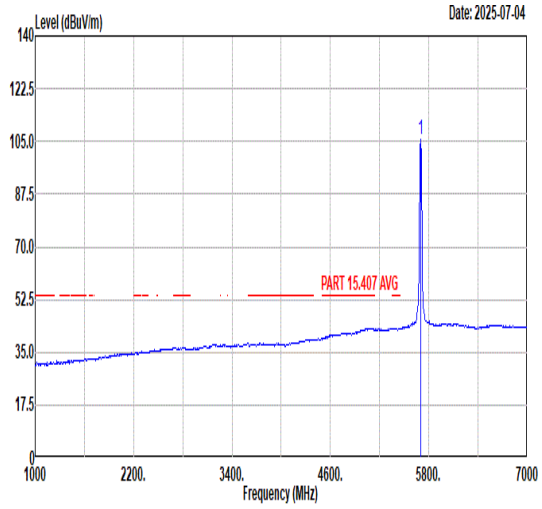
Mode	17	
	Band Edge - R	
	U-NII-2C_5.47-5.725_802.11n HT20_CH116_Full_5580MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5744.28 53.87 68.30 -14.43 39.12 36.69 10.86 32.80 104 4 PEAK	Blank

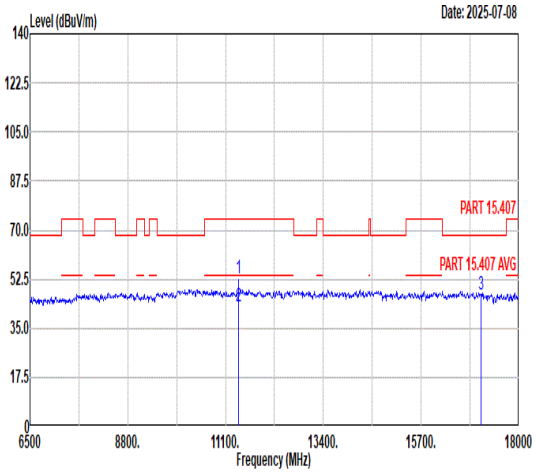
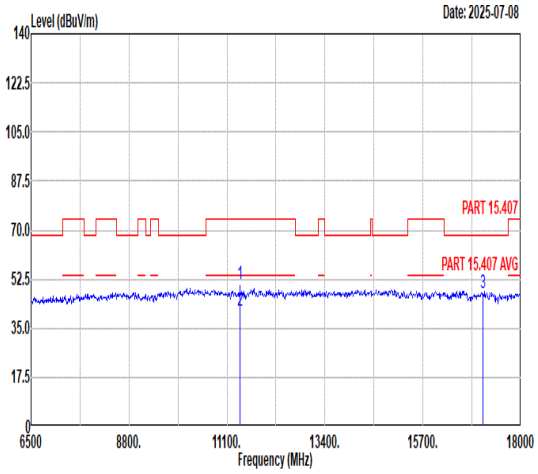
Mode	17	
	Band Edge - L	
	U-NII-2C_5.47-5.725_802.11n HT20_CH116_Full_5580MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5407.96 52.35 74.00 -21.65 38.55 35.98 10.50 32.68 120 263 PEAK 2 5467.53 51.83 68.30 -16.47 38.00 35.97 10.55 32.69 120 263 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5580.00 110.42 ------ ------ 96.22 36.26 10.67 32.73 120 263 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5459.48 42.40 54.00 -11.60 28.61 35.94 10.54 32.69 120 263 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5580.00 103.61 ------ ------ 89.41 36.26 10.67 32.73 120 263 AVERAGE

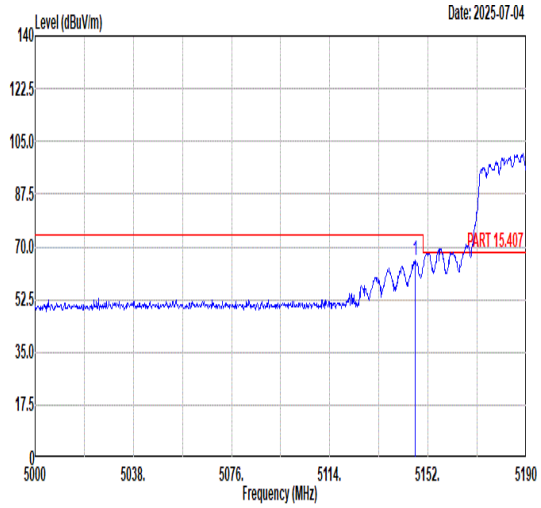
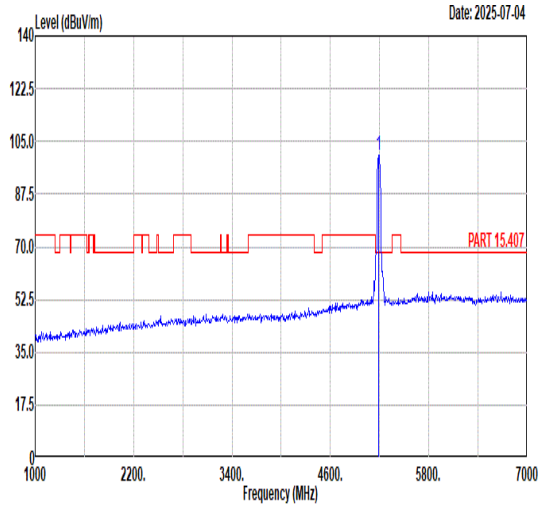
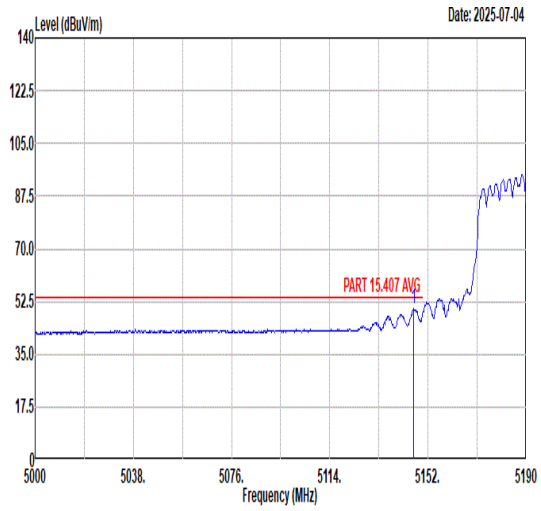
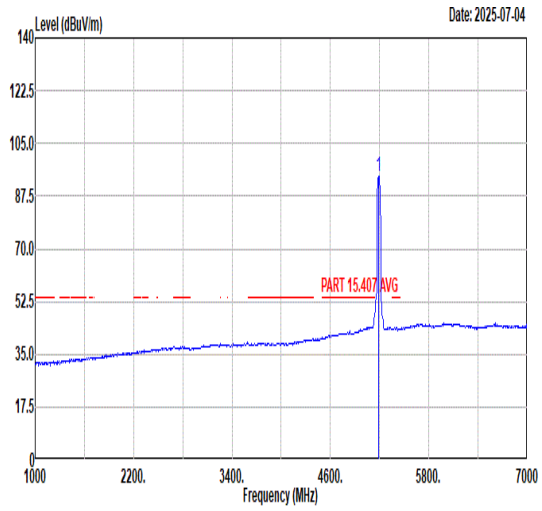
Mode	17	
	Band Edge - R	
	U-NII-2C_5.47-5.725_802.11n HT20_CH116_Full_5580MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5741.69 54.32 68.30 -13.98 39.58 36.68 10.86 32.80 120 263 PEAK	Blank

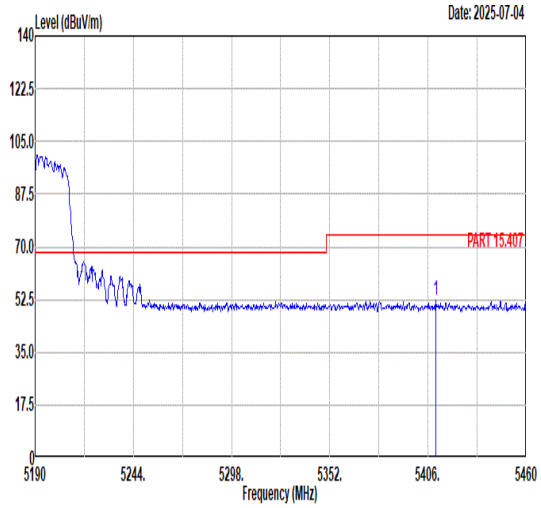
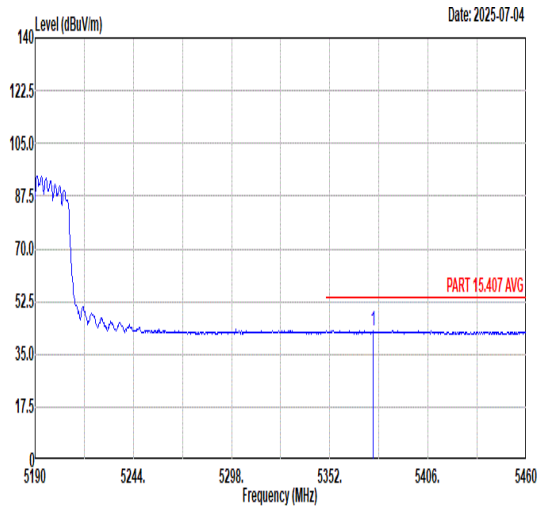
Mode	17	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11n HT20_CH116_Full_5580MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11160.00 51.94 74.00 -22.06 49.87 38.06 14.72 50.71 100 28 Peak 2 11160.00 42.51 54.00 -11.49 40.44 38.06 14.72 50.71 100 28 Average 3 16740.00 44.97 68.30 -23.33 38.47 41.44 17.87 52.81 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11160.00 50.94 74.00 -23.06 48.87 38.06 14.72 50.71 100 303 Peak 2 11160.00 41.54 54.00 -12.46 39.47 38.06 14.72 50.71 100 303 Average 3 16740.00 45.52 68.30 -22.78 39.02 41.44 17.87 52.81 --- --- Peak

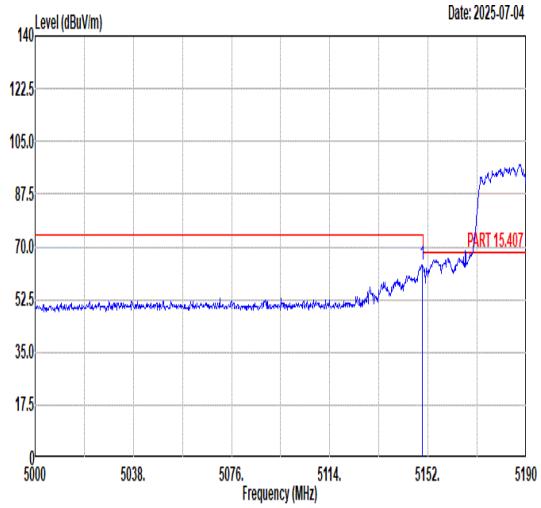
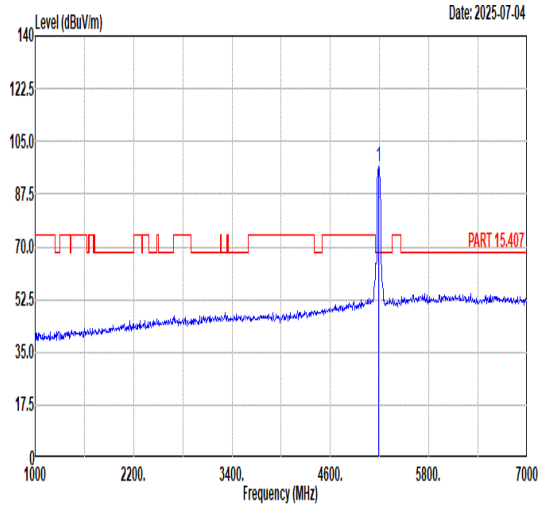
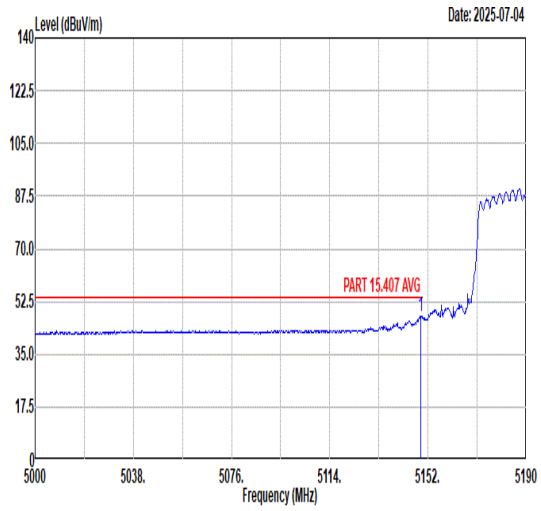
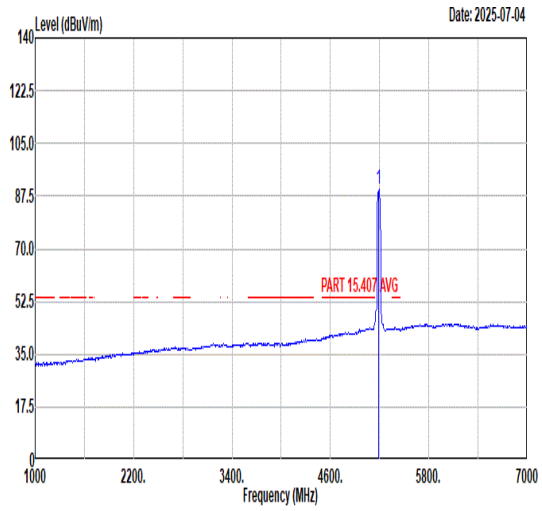
Mode	18	
	Band Edge	
	U-NII-2C_5.47-5.725_802.11n HT20_CH140_Full_5700MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5725.03 61.02 68.30 -7.28 46.29 36.65 10.87 32.79 211 9 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5700.00 106.96 ------ ------ 92.24 36.61 10.89 32.78 211 9 PEAK
Avg	Blank	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5700.00 101.10 ------ ------ 86.38 36.61 10.89 32.78 211 9 AVERAGE

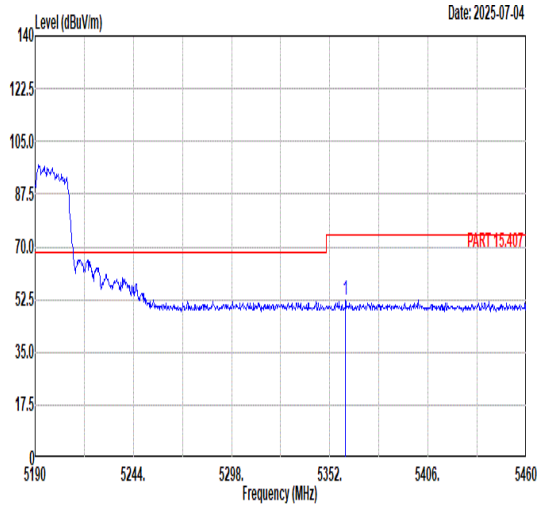
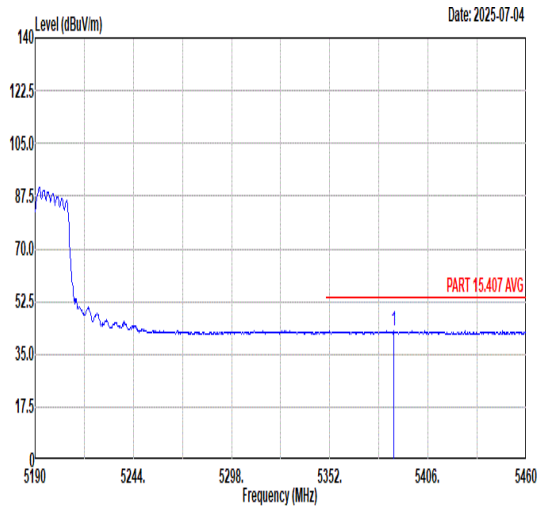
Mode	18	
	Band Edge	
	U-NII-2C_5.47-5.725_802.11n HT20_CH140_Full_5700MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5730.23 63.91 68.30 -4.39 49.17 36.66 10.87 32.79 223 269 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5700.00 112.23 ------ ------ 97.51 36.61 10.89 32.78 223 269 PEAK
Avg	Blank	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5700.00 105.42 ------ ------ 90.70 36.60 10.90 32.78 223 269 AVERAGE

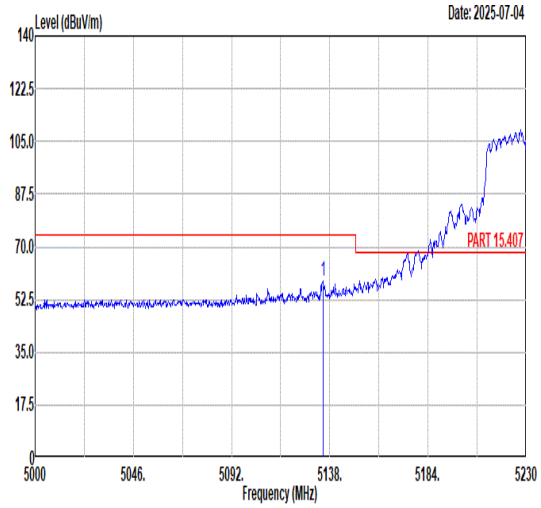
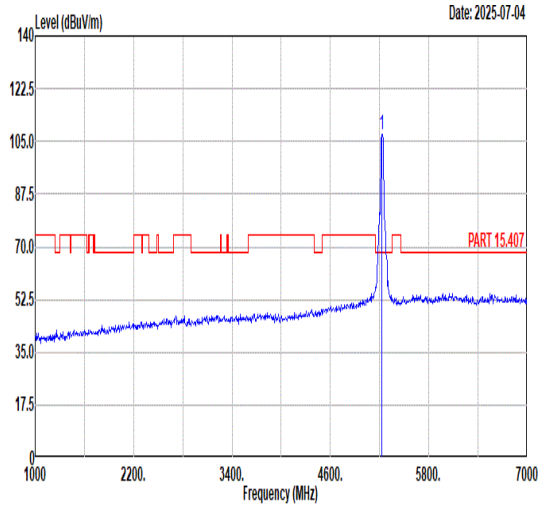
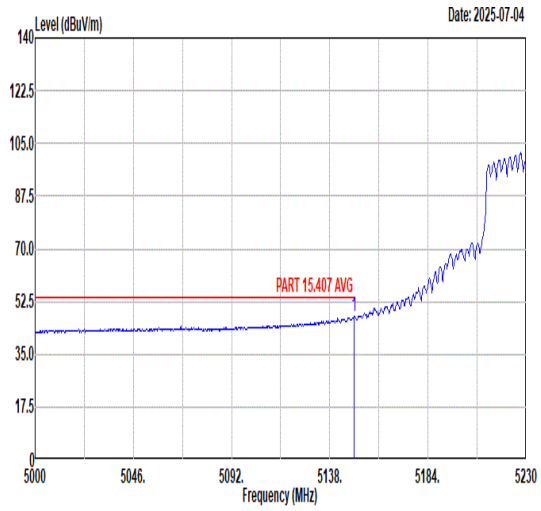
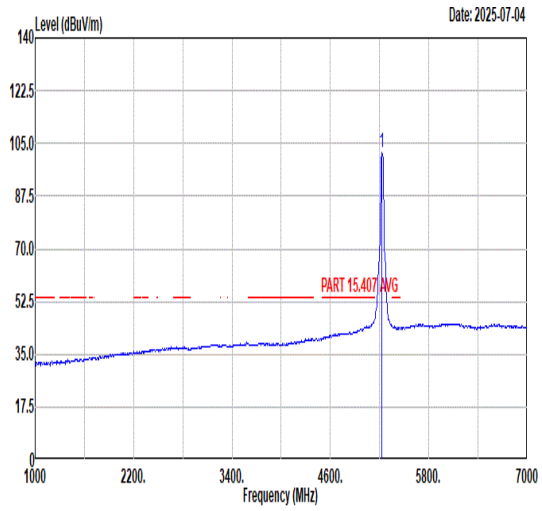
Mode	18	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11n HT20_CH140_Full_5700MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11400.00 52.62 74.00 -21.38 49.97 38.20 14.87 50.42 100 237 Peak 2 11400.00 42.92 54.00 -11.08 40.27 38.20 14.87 50.42 100 237 Average 3 17100.00 47.18 68.30 -21.12 38.84 43.00 18.06 52.72 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11400.00 50.90 74.00 -23.10 48.25 38.20 14.87 50.42 100 303 Peak 2 11400.00 41.22 54.00 -12.78 38.57 38.20 14.87 50.42 100 303 Average 3 17100.00 47.30 68.30 -21.00 38.96 43.00 18.06 52.72 --- --- Peak

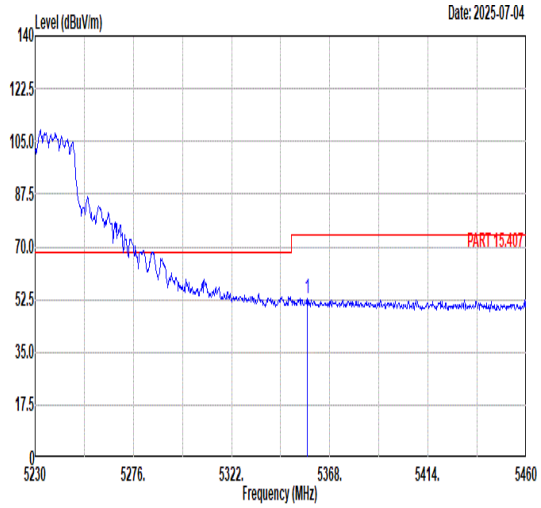
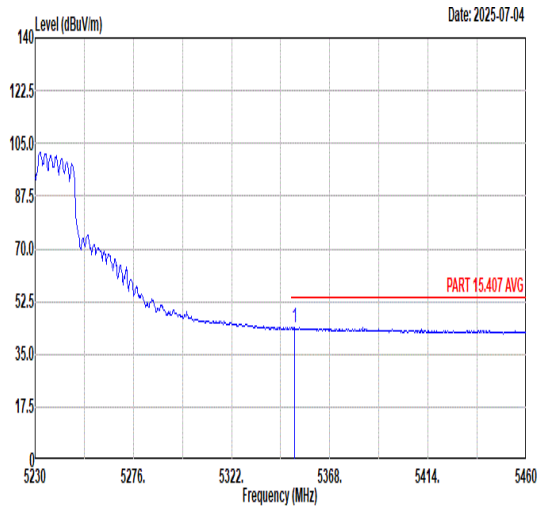
Mode	19	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11n HT40_CH38_Full_5190MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5147.06 65.28 74.00 -8.72 51.68 35.71 10.52 32.63 211 30 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5190.00 100.60 ------ ------ 87.03 35.78 10.43 32.64 211 30 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5146.49 49.93 54.00 -4.07 36.33 35.71 10.52 32.63 211 30 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5190.00 94.26 ------ ------ 80.69 35.78 10.43 32.64 211 30 AVERAGE

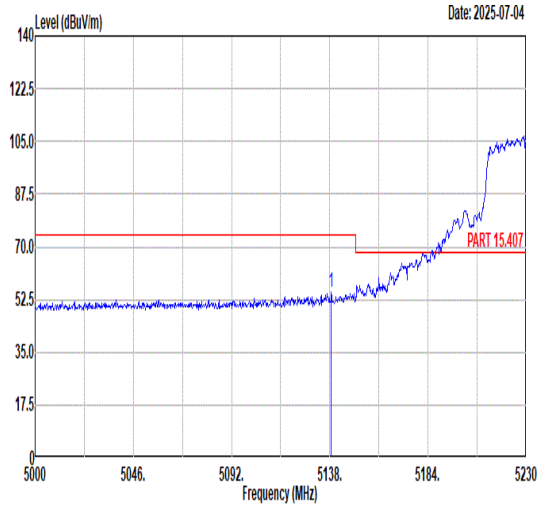
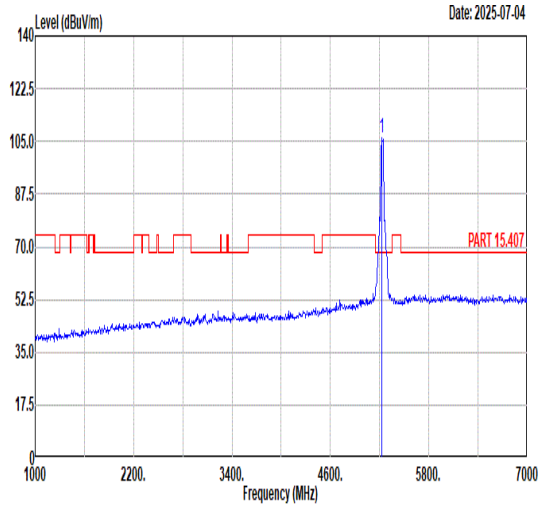
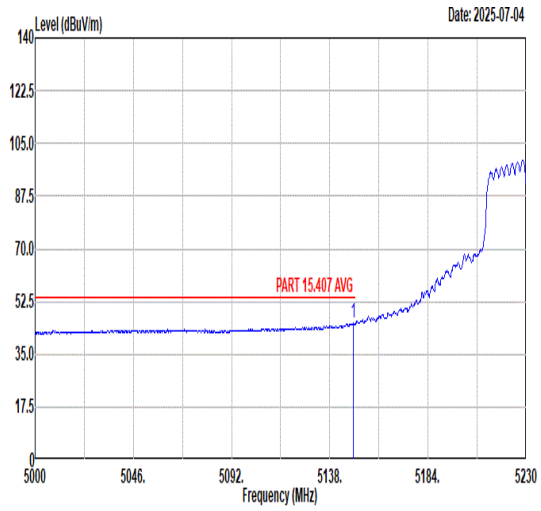
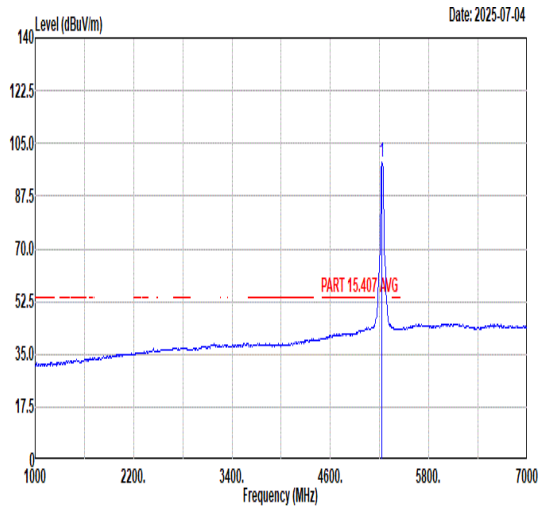
Mode	19	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11n HT40_CH38_Full_5190MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5410.32 52.14 74.00 -21.86 38.33 35.98 10.51 32.68 211 30 PEAK	Blank
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5376.03 42.81 54.00 -11.19 28.91 36.05 10.53 32.68 211 30 AVERAGE	Blank

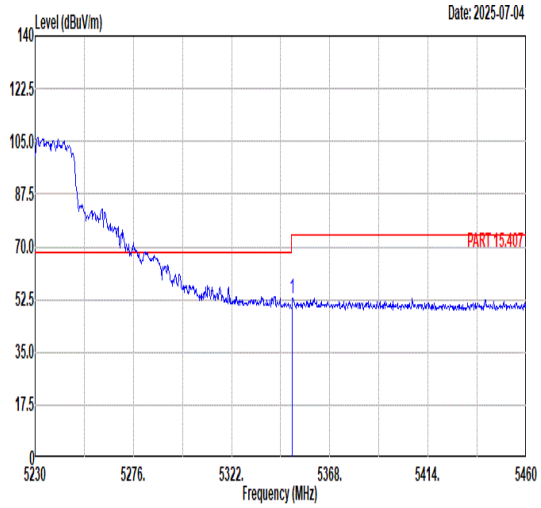
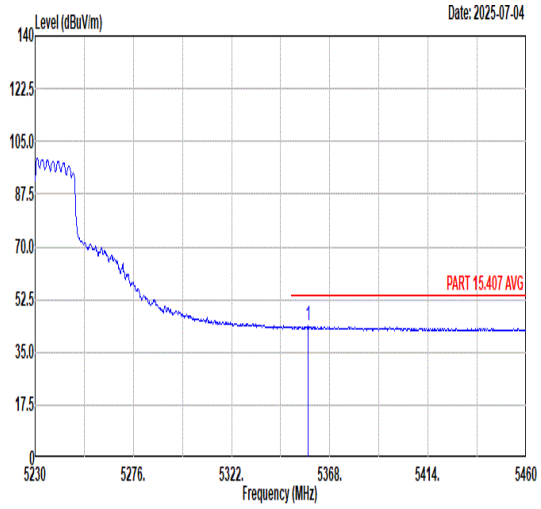
Mode	19	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11n HT40_CH38_Full_5190MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5149.72 63.78 74.00 -10.22 50.20 35.70 10.51 32.63 213 263 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5190.00 96.60 ------ ------ 83.03 35.78 10.43 32.64 213 263 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5149.15 47.74 54.00 -6.26 34.16 35.70 10.51 32.63 213 263 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5190.00 89.67 ------ ------ 76.10 35.79 10.42 32.64 213 263 AVERAGE

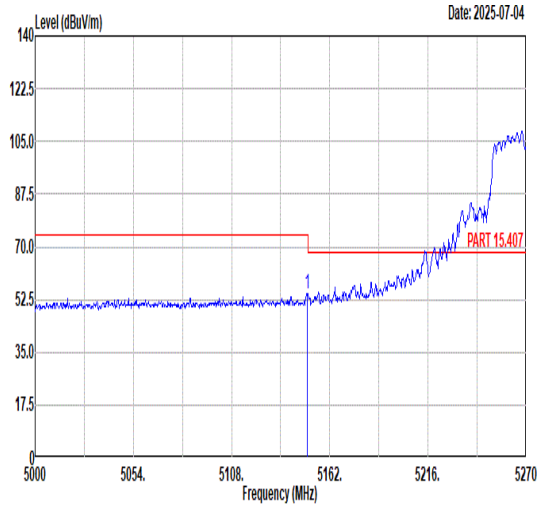
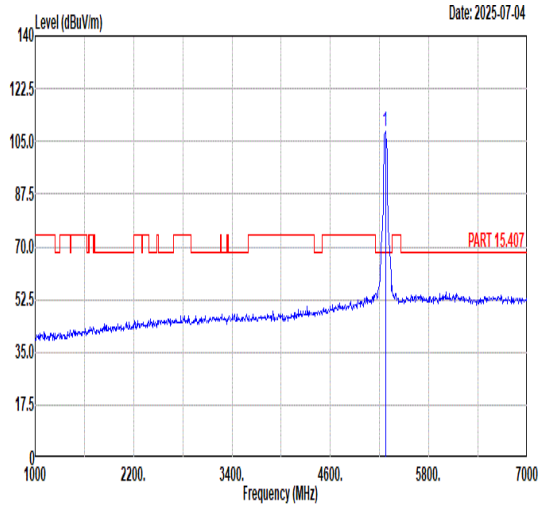
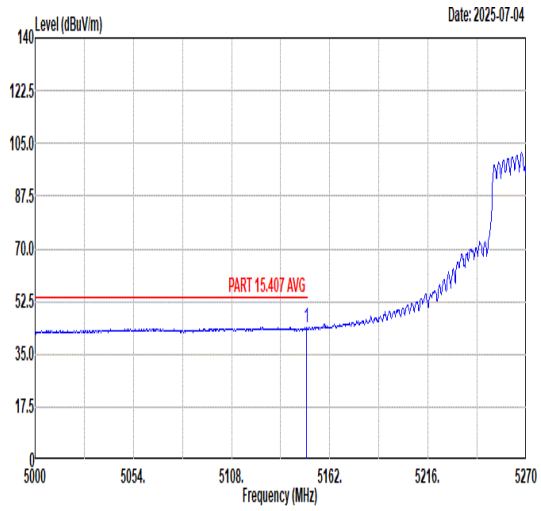
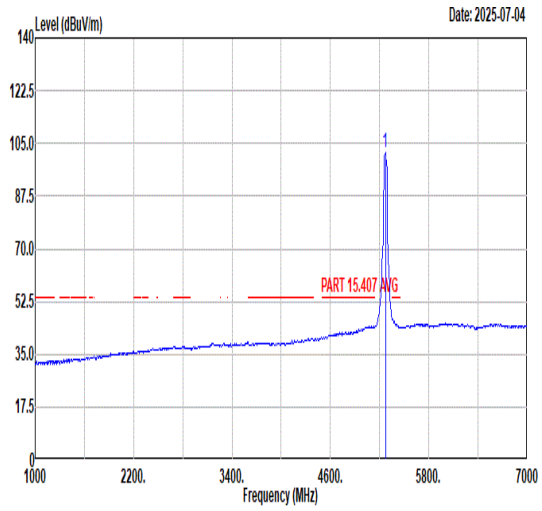
Mode	19	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11n HT40_CH38_Full_5190MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5360.64 52.31 74.00 -21.69 38.36 36.08 10.54 32.67 213 263 PEAK	Blank
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5387.37 42.74 54.00 -11.26 28.87 36.03 10.52 32.68 213 263 AVERAGE	Blank

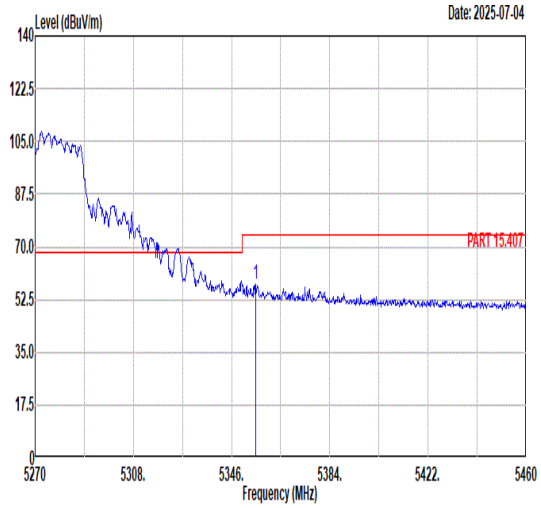
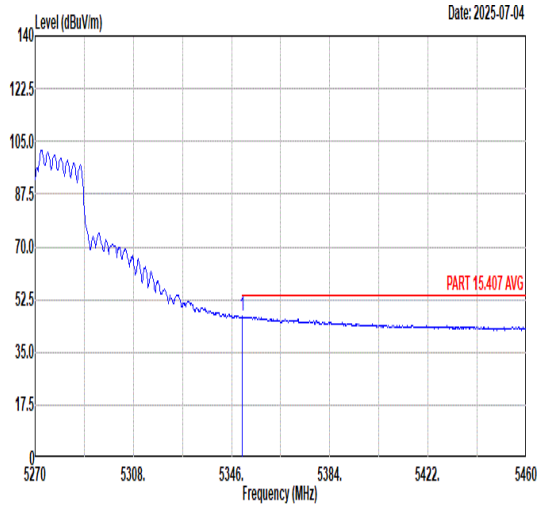
Mode	20	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11n HT40_CH46_Full_5230MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5134.78 58.64 74.00 -15.36 45.00 35.73 10.54 32.63 211 30 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5230.00 107.44 ------ ------ 93.82 35.80 10.47 32.65 211 30 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5149.50 47.79 54.00 -6.21 34.21 35.70 10.51 32.63 211 30 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5230.00 101.93 ------ ------ 88.31 35.80 10.47 32.65 211 30 AVERAGE

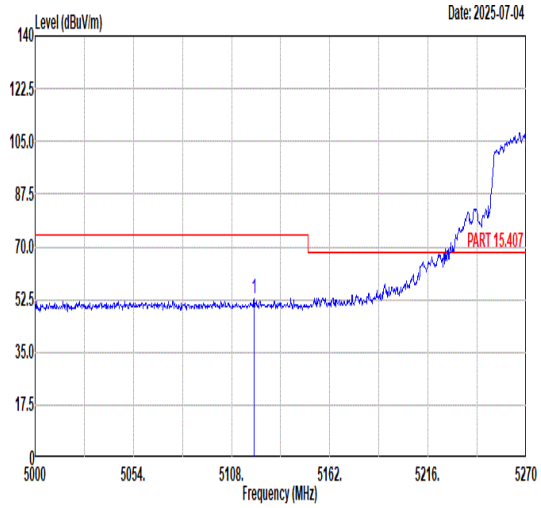
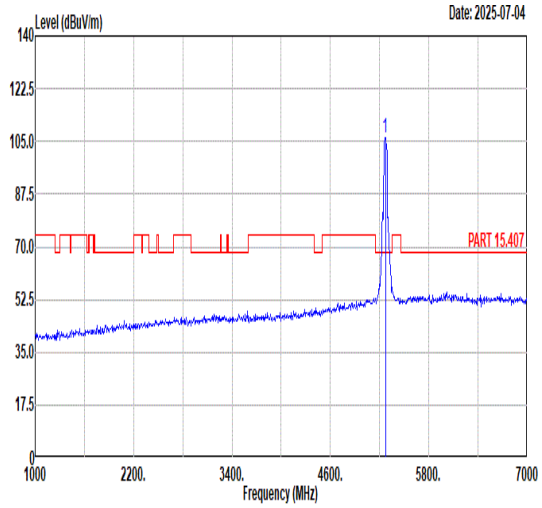
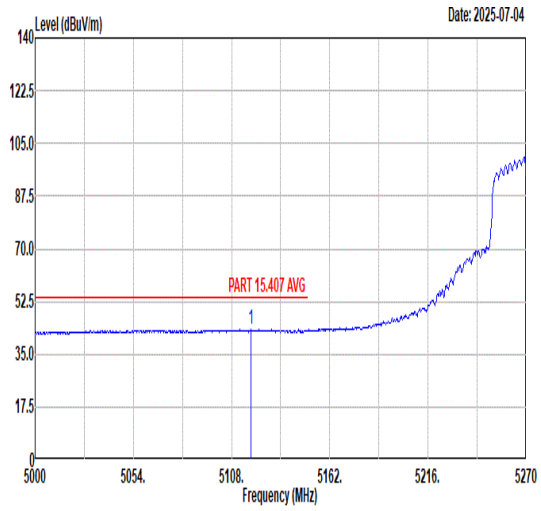
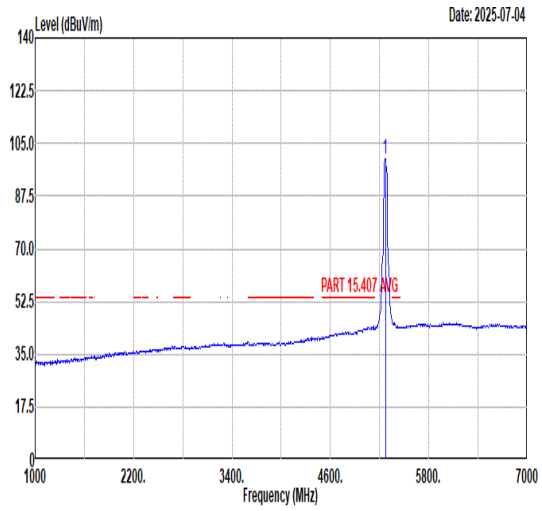
Mode	20	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11n HT40_CH46_Full_5230MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5357.42 52.97 74.00 -21.03 39.01 36.09 10.54 32.67 211 30 PEAK	Blank
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5351.44 43.71 54.00 -10.29 29.73 36.10 10.55 32.67 211 30 AVERAGE	Blank

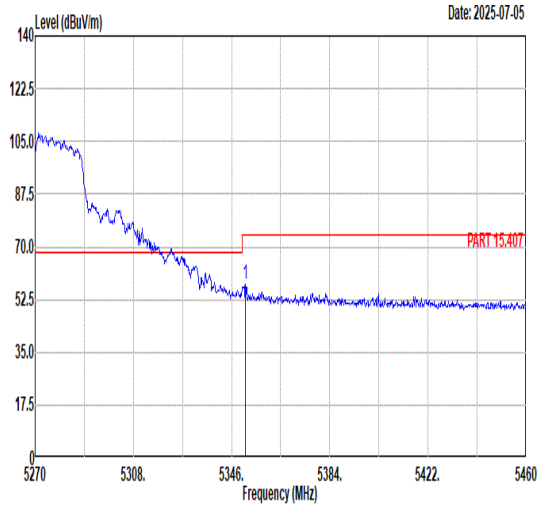
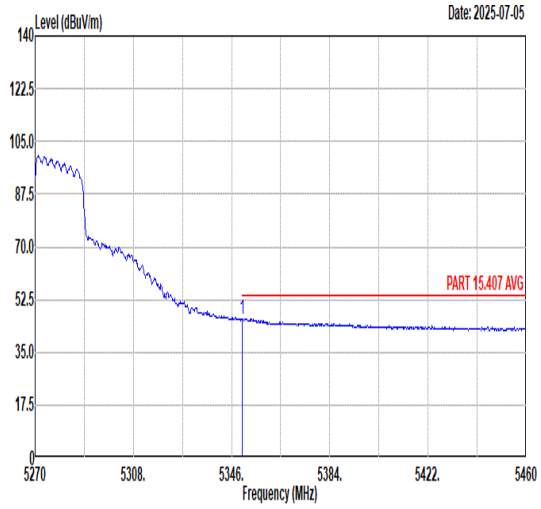
Mode	20	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11n HT40_CH46_Full_5230MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5138.69 54.71 74.00 -19.29 41.09 35.72 10.53 32.63 226 262 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5230.00 106.01 ------ ------ 92.39 35.80 10.47 32.65 226 262 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5149.04 45.26 54.00 -8.74 31.68 35.70 10.51 32.63 226 262 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5230.00 98.63 ------ ------ 85.01 35.80 10.47 32.65 226 262 AVERAGE

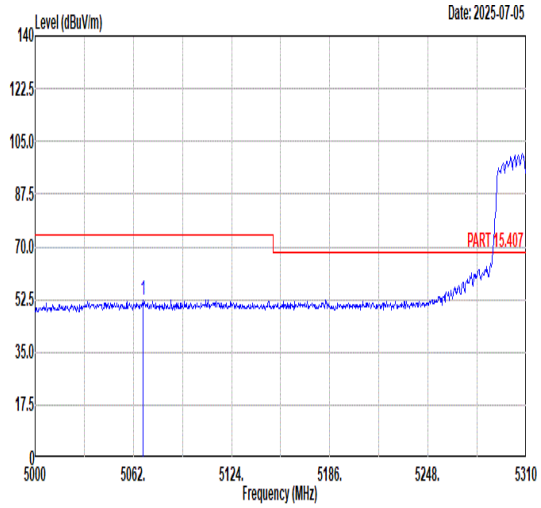
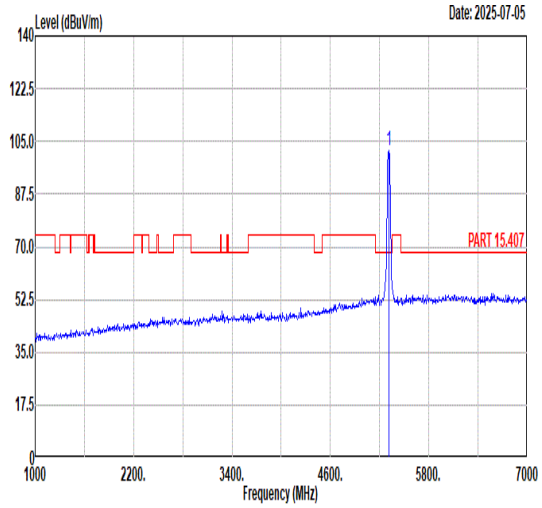
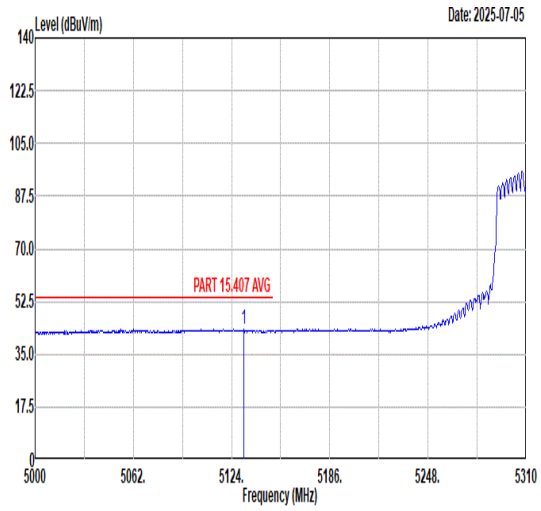
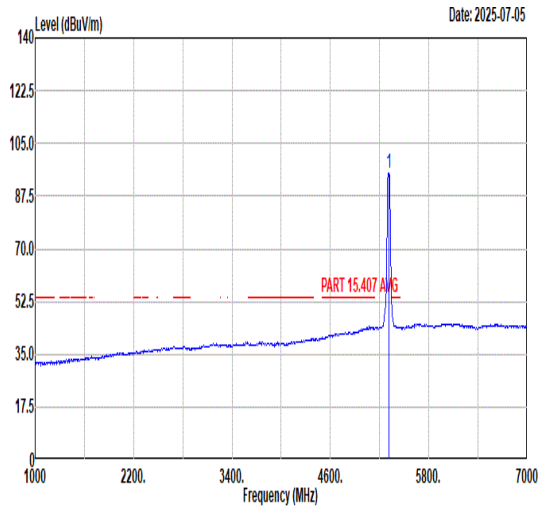
Mode	20	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11n HT40_CH46_Full_5230MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5350.52 52.91 74.00 -21.09 38.93 36.10 10.55 32.67 226 262 PEAK	Blank
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5357.65 43.75 54.00 -10.25 29.80 36.08 10.54 32.67 226 262 AVERAGE	Blank

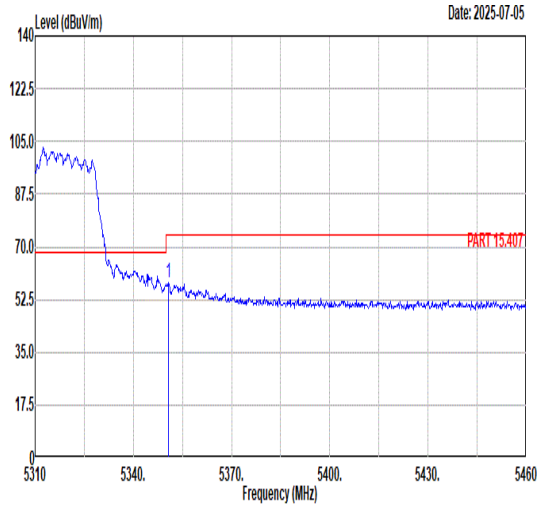
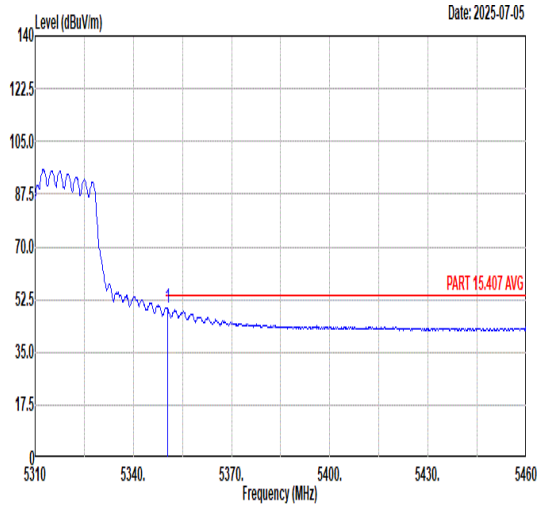
Mode	21	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11n HT40_CH54_Full_5270MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5149.58 54.57 74.00 -19.43 40.99 35.70 10.51 32.63 209 26 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5270.00 108.18 ------ ------ 94.48 35.80 10.56 32.66 209 26 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5149.31 44.00 54.00 -10.00 30.42 35.70 10.51 32.63 209 26 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5270.00 101.72 ------ ------ 88.02 35.80 10.55 32.65 209 26 AVERAGE

Mode	21	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11n HT40_CH54_Full_5270MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5355.31 57.43 74.00 -16.57 43.46 36.09 10.55 32.67 209 26 PEAK	Blank
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5350.18 47.20 54.00 -6.80 33.22 36.10 10.55 32.67 209 26 AVERAGE	Blank

Mode	21	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11n HT40_CH54_Full_5270MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5120.42 53.07 74.00 -20.93 39.36 35.76 10.57 32.62 206 249 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5270.00 106.24 ------ ------ 92.56 35.80 10.53 32.65 206 249 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5118.53 43.32 54.00 -10.68 29.60 35.76 10.58 32.62 206 249 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5270.00 99.84 ------ ------ 86.14 35.80 10.55 32.65 206 249 AVERAGE

Mode	21	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11n HT40_CH54_Full_5270MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5351.32 57.35 74.00 -16.65 43.37 36.10 10.55 32.67 206 249 PEAK	Blank
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5350.18 46.06 54.00 -7.94 32.08 36.10 10.55 32.67 206 249 AVERAGE	Blank

Mode	22	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11n HT40_CH62_Full_5310MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5067.89 52.49 74.00 -21.51 38.76 35.80 10.54 32.61 211 30 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5310.00 101.90 ------ ------ 88.09 35.88 10.59 32.66 211 30 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5131.75 43.19 54.00 -10.81 29.53 35.74 10.55 32.63 211 30 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5310.00 95.11 ------ ------ 81.30 35.88 10.59 32.66 211 30 AVERAGE

Mode	22	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11n HT40_CH62_Full_5310MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5350.80 57.88 74.00 -16.12 43.90 36.10 10.55 32.67 211 30 PEAK	Blank
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5350.50 49.68 54.00 -4.32 35.70 36.10 10.55 32.67 211 30 AVERAGE	Blank