FCC RF Test Report

APPLICANT	:	Motorola Mobility LLC
EQUIPMENT	:	Mobile Cellular Phone
BRAND NAME	:	Motorola
MODEL NAME	:	XT2407-2
FCC ID	:	IHDT56AS3
STANDARD	:	FCC Part 15 Subpart E §15.407
CLASSIFICATION	:	(NII) Unlicensed National Information Infrastructure
TEST DATE(S)	:	Apr. 19, 2024 ~ May 23, 2024

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.

Jason Jia

Approved by: Jason Jia

ACCREDITED
Cert #5145.01

Sporton International Inc. (ShenZhen)

1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055

People's Republic of China

TABLE OF CONTENTS

REVISION HISTORY **3**

SUMMARY OF TEST RESULT **4**

1 GENERAL DESCRIPTION **5**

1.1 Applicant 5
1.2 Manufacturer 5
1.3 Product Feature of Equipment Under Test 5
1.4 Product Specification of Equipment Under Test 6
1.5 Modification of EUT 7
1.6 Specification of Accessory 8
1.7 Testing Location 8
1.8 Test Software 9
1.9 Applicable Standards 9

2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST **10**

2.1 Carrier Frequency and Channel 10
2.2 Test Mode 12
2.3 Connection Diagram of Test System 14
2.4 Support Unit used in test configuration and system 14
2.5 EUT Operation Test Setup 15
2.6 Measurement Results Explanation Example 15

3 TEST RESULT **16**

3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement 16
3.2 Maximum Conducted Output Power Measurement 22
3.3 Power Spectral Density Measurement 24
3.4 Unwanted Emissions Measurement 28
3.5 AC Conducted Emission Measurement 33
3.6 Antenna Requirements 35

4 LIST OF MEASURING EQUIPMENT **36**

5 MEASUREMENT UNCERTAINTY **37**

APPENDIX A. CONDUCTED TEST RESULTS

APPENDIX B. AC CONDUCTED EMISSION TEST RESULT

APPENDIX C. RADIATED SPURIOUS EMISSION

APPENDIX D. DUTY CYCLE PLOTS

APPENDIX E. SETUP PHOTOGRAPHS

REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR441212F	Rev. 01	Initial issue of report	May 31, 2024

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 3.10 dB at 5148.140 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	15.207(a)	Pass	Under limit 3.09 dB at 0.160 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

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.2 Manufacturer

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2407-2
FCC ID	IHDT56AS3
IMEI Code	Conducted: 358858730017919/358858730017927 Conduction: 358858730015715/358858730015723 for sample 1 358858730025193/358858730025201 for sample 2 Radiation: 358858730015558/358858730015566 for sample 1 358858730015673/358858730015681 for sample 2
HW Version	DVT2
SW Version	U3UW34.46
EUT Stage	Identical Prototype

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. There are two types of EUT, the differences could be referred to the XT2407-2_Operational Description of Product Equality Declaration which is exhibit separately. According to the difference, we choose sample 1 to full test and the sample 2 is verified for the difference.

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 <Ant. 8 + 7>** **<5180 MHz ~ 5240 MHz>** 802.11a : 19.82 dBm / 0.0959 W 802.11ax HE20: 20.96 dBm / 0.1247 W 802.11ax HE40: 20.98 dBm / 0.1253 W 802.11ax HE80: 17.22 dBm / 0.0527 W 802.11ax HE160: 16.42 dBm / 0.0439 W **<5260 MHz ~ 5320 MHz>** 802.11a : 19.77 dBm / 0.0948 W 802.11ax HE20: 20.96 dBm / 0.1247 W 802.11ax HE40: 21.07 dBm / 0.1279 W 802.11ax HE80: 18.07 dBm / 0.0641 W **<5500 MHz ~ 5720 MHz >** 802.11a : 19.72 dBm / 0.0938 W 802.11ax HE20: 21.05 dBm / 0.1274 W 802.11ax HE40: 20.99 dBm / 0.1256 W 802.11ax HE80: 20.36 dBm / 0.1086 W 802.11ax HE160: 15.05 dBm / 0.0320 W **<5745 MHz ~ 5825 MHz>** 802.11a : 21.14 dBm / 0.1300 W 802.11ax HE20: 21.08 dBm / 0.1282 W 802.11ax HE40: 21.13 dBm / 0.1297 W 802.11ax HE80: 20.61 dBm / 0.1151 W
99% Occupied Bandwidth	**<5180 MHz ~ 5240 MHz>** 802.11a : 16.384 MHz 802.11ax HE20: 19.930 MHz 802.11ax HE40: 39.560 MHz 802.11ax HE80: 77.083 MHz 802.11ax HE160: 156.563 MHz **<5260 MHz ~ 5320 MHz>** 802.11a : 16.384 MHz 802.11ax HE20: 19.780 MHz 802.11ax HE40: 38.961 MHz 802.11ax HE80: 77.323 MHz **<5500 MHz ~ 5720 MHz>** 802.11a : 16.484 MHz 802.11ax HE20: 19.930 MHz 802.11ax HE40: 36.560 MHz 802.11ax HE80: 77.443 MHz 802.11ax HE160: 156.803 MHz **<5745 MHz ~ 5825 MHz>** 802.11a : 19.730 MHz 802.11ax HE20: 19.980 MHz 802.11ax HE40: 39.660 MHz 802.11ax HE80: 77.922 MHz

Antenna Type / Gain	**<5180 MHz ~ 5240 MHz>** <Ant. 8> : PIFA Antenna with gain -5.50 dBi <Ant. 7> : PIFA Antenna with gain -6.00 dBi **<5260 MHz ~ 5320 MHz>** <Ant. 8> : PIFA Antenna with gain -6.00 dBi <Ant. 7> : PIFA Antenna with gain -7.00 dBi **<5500 MHz ~ 5720 MHz>** <Ant. 8> : PIFA Antenna with gain -6.50 dBi <Ant. 7> : PIFA Antenna with gain -7.50 dBi **<5745 MHz ~ 5825 MHz>** <Ant. 8> : PIFA Antenna with gain -7.50 dBi <Ant. 7> : PIFA Antenna with gain -8.00 dBi
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac/ax : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM)

Note:

1. WLAN MIMO support CDD mode.
2. The device also support 802.11n HT20/HT40, 11ac VHT20/VHT40/VHT80/VHT160, the 802.11n & 11ac power are set less than 11ax power, the whole testing have assessed only 802.11ax mode by referring to the higher output power.
3. 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.
4. The device does not support 802.11ax channel puncturing.

1.5 Modification of EUT

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

1.6 Specification of Accessory

Specification of Accessory				
AC Adapter 1(US)	**Brand Name**	Motorola(chenyang)	**Model Name**	MC-681N
AC Adapter 1(EU)	**Brand Name**	Motorola(chenyang)	**Model Name**	MC-682N
AC Adapter 1(UK)	**Brand Name**	Motorola(chenyang)	**Model Name**	MC-683N
AC Adapter 1(AU)	**Brand Name**	Motorola(chenyang)	**Model Name**	MC-685N
AC Adapter 1(AR)	**Brand Name**	Motorola(chenyang)	**Model Name**	MC-686N
AC Adapter 1(Chile)	**Brand Name**	Motorola(chenyang)	**Model Name**	MC-689N
AC Adapter 2(US)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-681N
AC Adapter 2(EU)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-682N
AC Adapter 2(UK)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-683N
AC Adapter 2(AU)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-685N
AC Adapter 2(AR)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-686N
Battery 1	**Brand Name**	Motorola(SUNWODA)	**Model Name**	QR50
Battery 2	**Brand Name**	Motorola(ATL)	**Model Name**	QR50
USB Cable 1	**Brand Name**	Motorola (Luxshare)	**Model Name**	SC18E08104
USB Cable 2	**Brand Name**	Motorola (Saibao)	**Model Name**	SC18D71644

1.7 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	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	CO01-SZ TH01-SZ	CN1256	421272

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.**
	03CH03-SZ	CN1256	421272

1.8 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH03-SZ	AUDIX	E3	6.2009-8-24
2.	CO01-SZ	AUDIX	E3	6.120613b

1.9 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 (X 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	50##	5250

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)
5500-5720MHz 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
	-	-	114##	5570

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.
3. The above Frequency and Channel in "##" are 160MHz 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
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0
802.11ax HE160	MCS0

AC Conducted Emission	Mode 1 : GSM 850 Idle + Bluetooth Link + WLAN Link(5G) + USB Cable 1(Charging from Adapter 1) + Battery 1 for sample 1 Mode 2 : GSM 850 Idle + Bluetooth Link + WLAN Link(5G) + USB Cable 1(Charging from Adapter 1) + Battery 1 for sample 2
Remark: **1.** The worst case of conducted emission is mode 1. **2.** For Radiated Test Cases, The tests were performance with Adapter 1, Battery 1, USB Cable 1.	

Simultaneous transmission
802.11ax HE20_CH36_Full RU_TX + LTE Band 13 Link 802.11ax HE20_CH36_Full RU_TX + LTE Band 13 Link + Bluetooth BR_CH78_TX

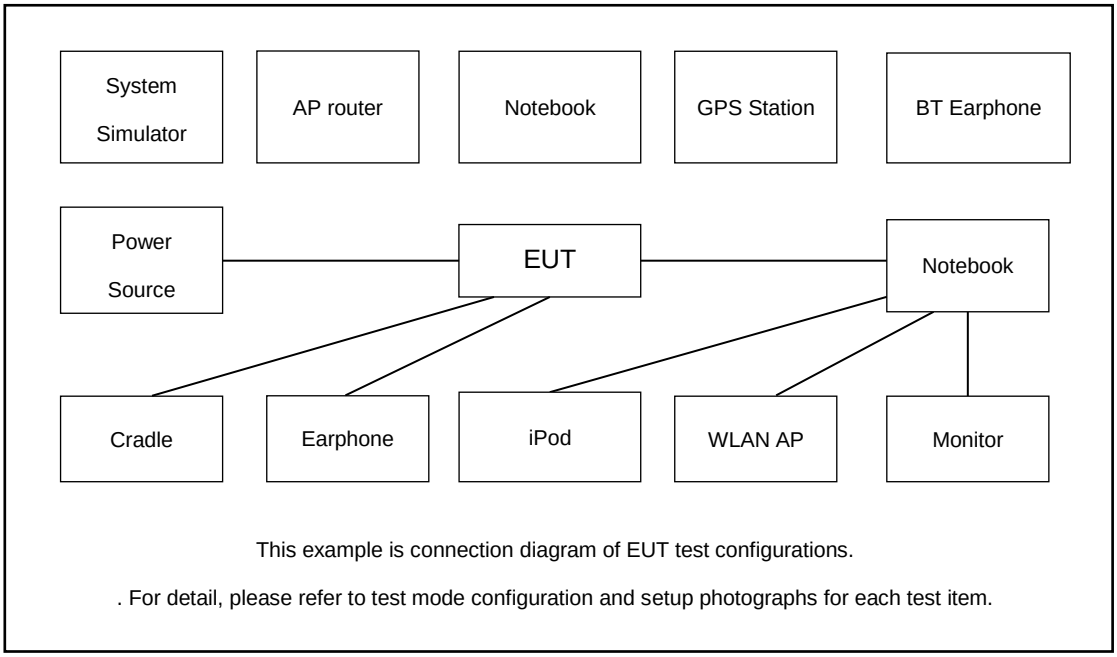
Ch. #		U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
		20M BW	20M BW	20M BW	20M BW
L	Low	36	52	100	149
M	Middle	44	60	116	157
H	High	48	64	140	165
Straddle		-	-	144	-

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	-

Ch. #		U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
		160M BW		160M BW	160M BW
M	Middle	50		114	-

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	LTE Base Station	Anritus	MT8821C	N/A	N/A	Unshielded,1.8m
2.	WLAN AP	D-link	DIR-655	KA21R655B1	N/A	Unshielded,1.8m
3.	Notebook	Lenovo	V130-15IKB005	N/A	N/A	shielded cable DC O/P 1.8m , Unshielded AC I/P cable 1.8m
4.	Bluetooth Earphone	Lenovo	LBH308	N/A	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 continuously 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

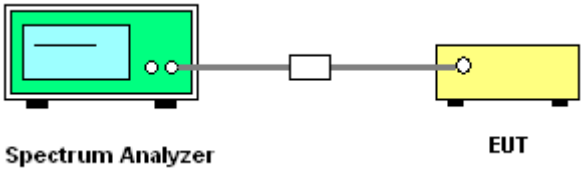
The measuring equipment is listed in the section 4 of this test report.

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.

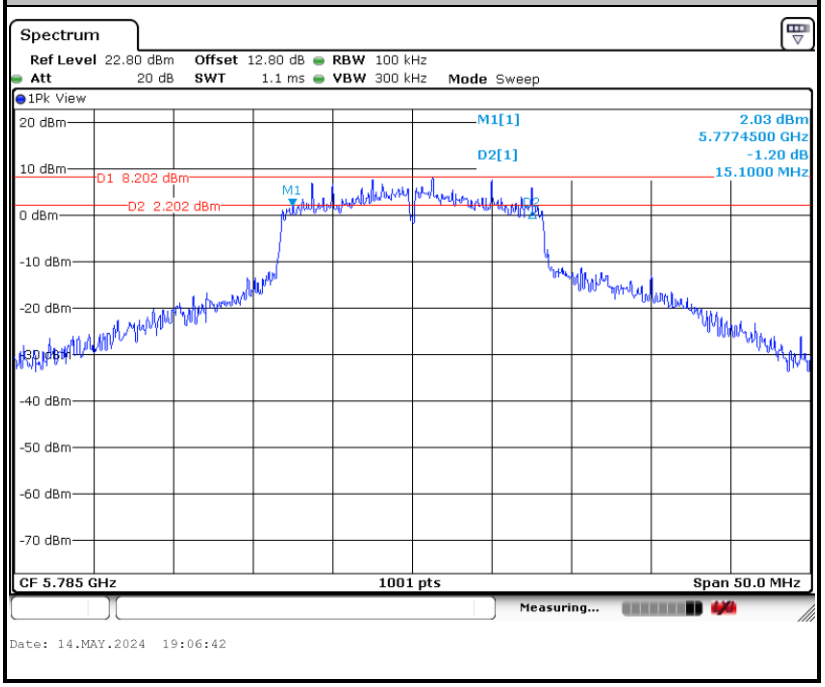
3.1.4 Test Setup



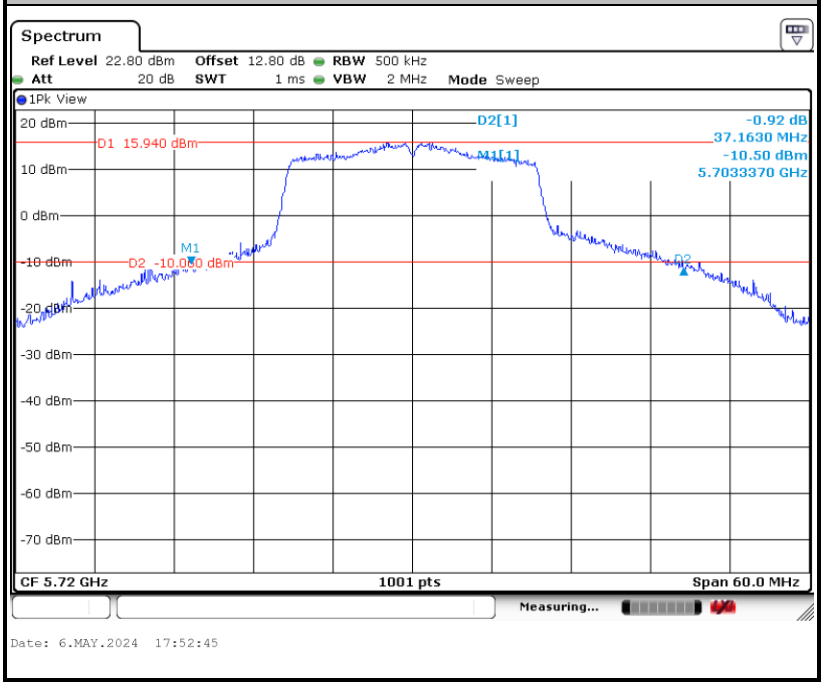
3.1.5 Test Result of 6dB Bandwidth

Please refer to Appendix A.

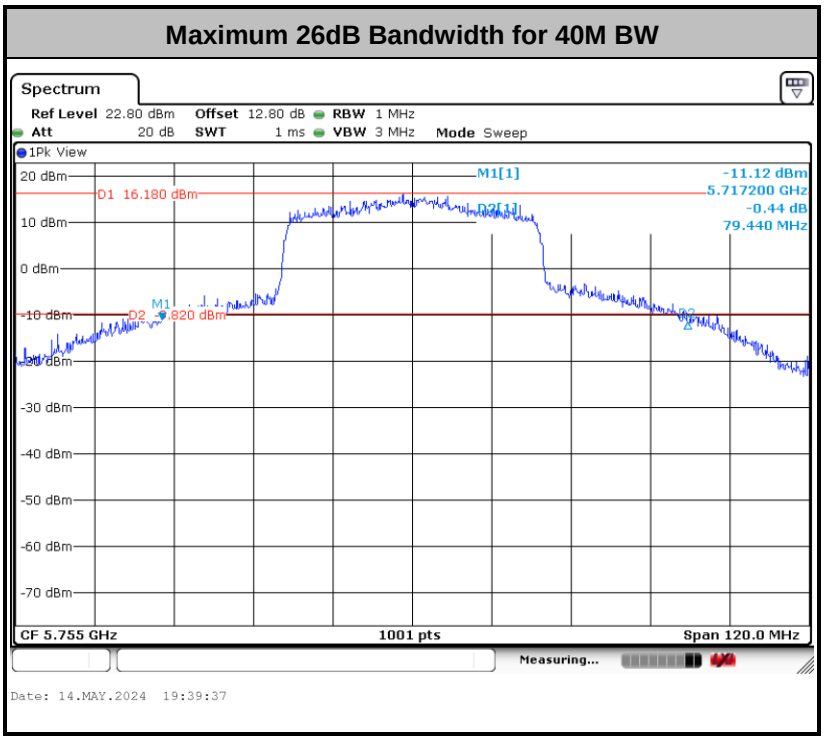
Minimum 6dB Bandwidth



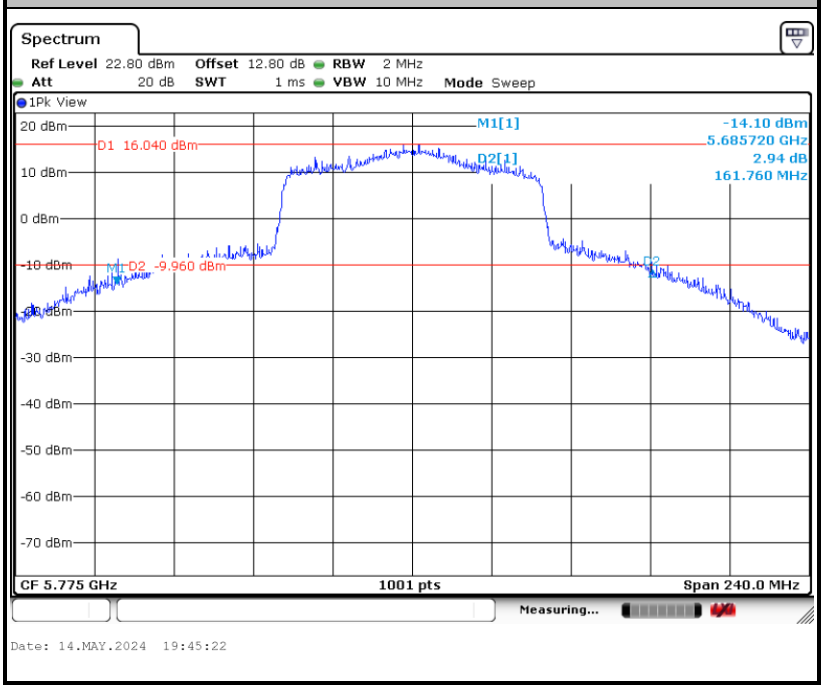
Maximum 26dB Bandwidth for 20M BW



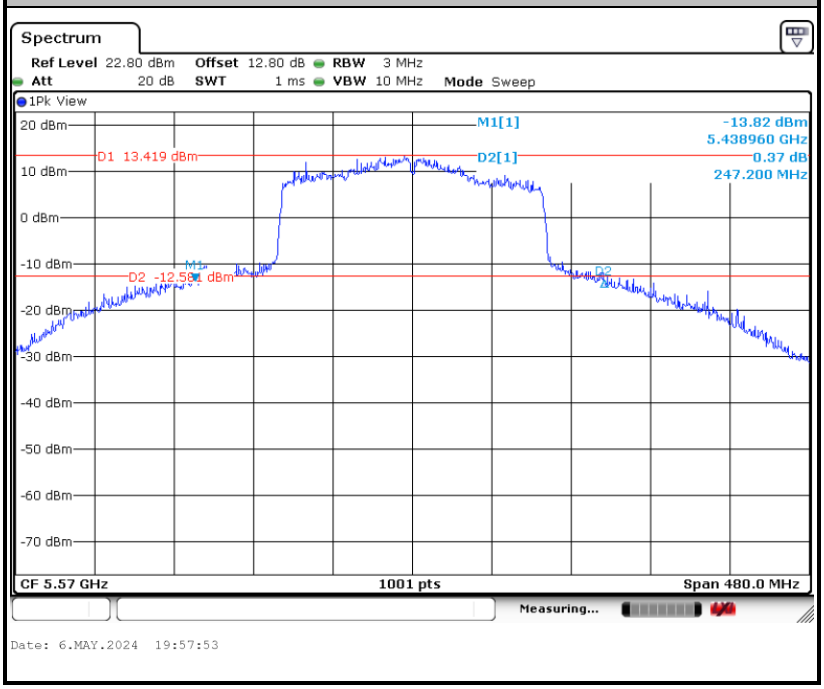
Maximum 26dB Bandwidth for 40M BW



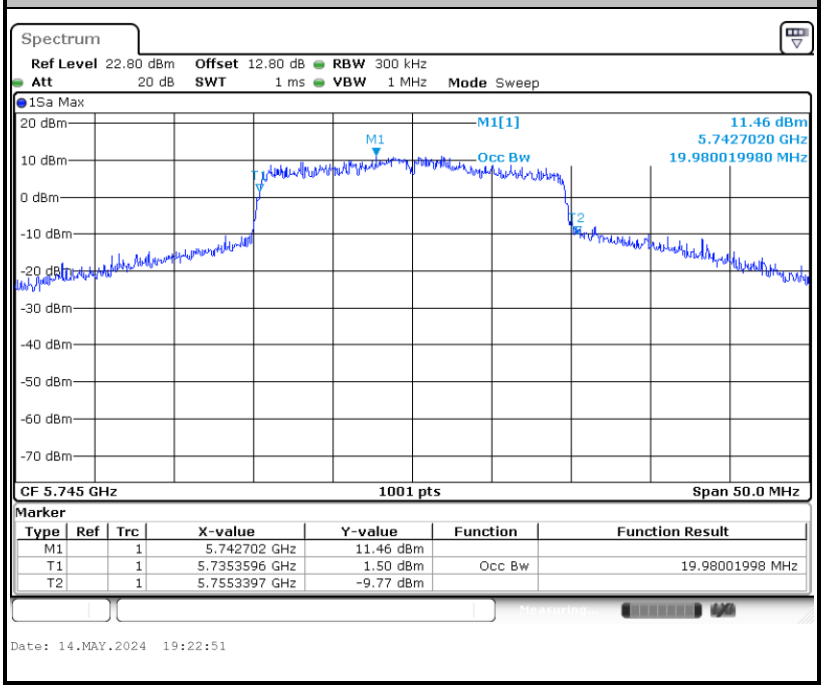
Maximum 26dB Bandwidth for 80M BW



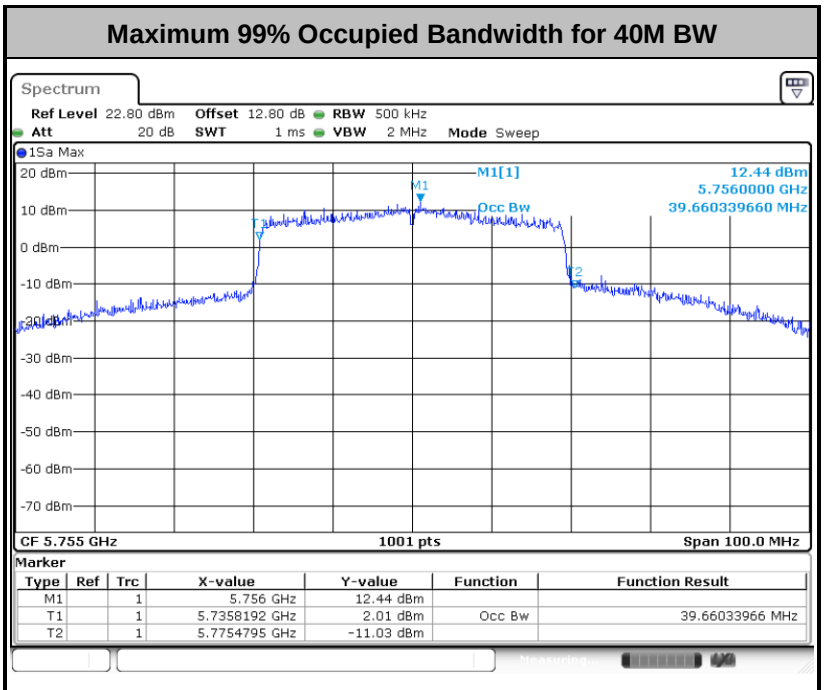
Maximum 26dB Bandwidth for 160M BW



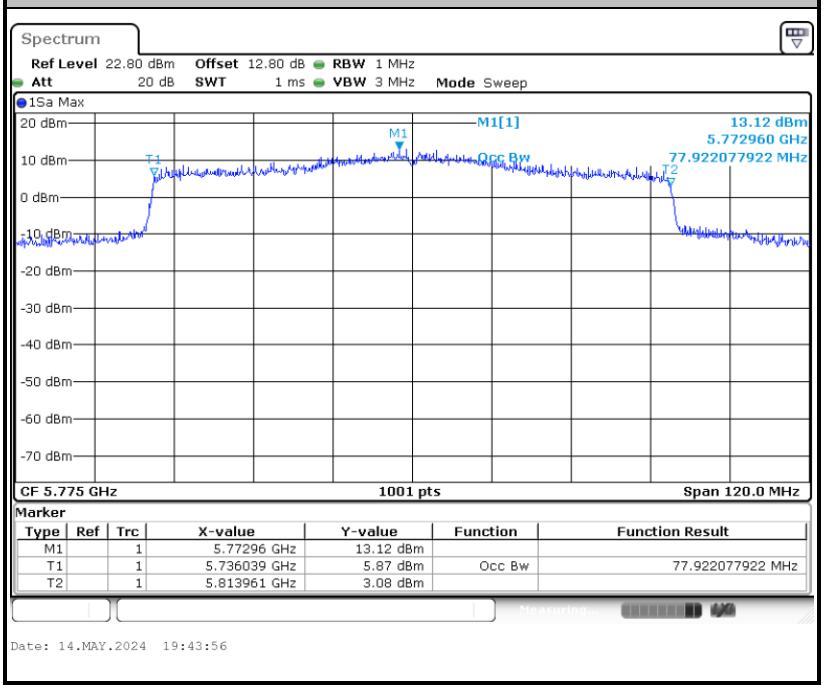
Maximum 99% Occupied Bandwidth for 20M BW



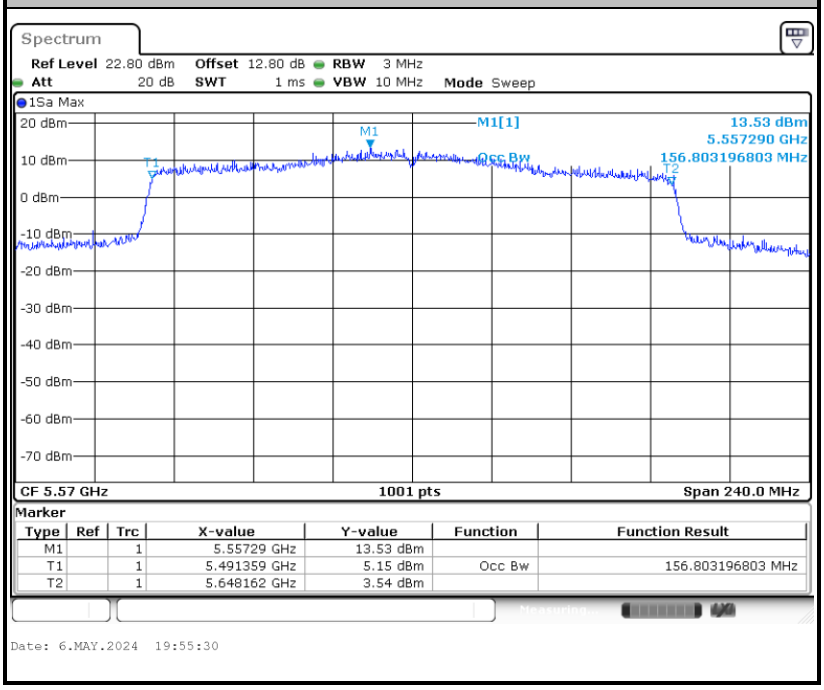
Maximum 99% Occupied Bandwidth for 40M BW



Maximum 99% Occupied Bandwidth for 80M BW



Maximum 99% Occupied Bandwidth for 160M 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):

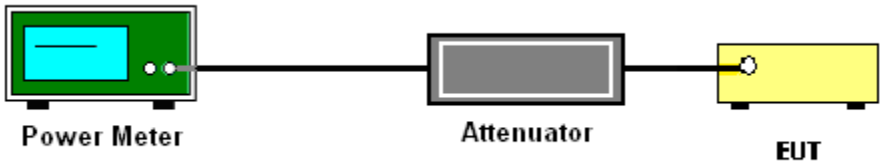
1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty

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 v01r04. 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.

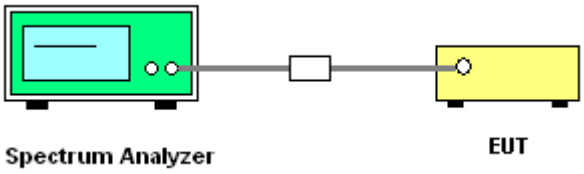
Method (a): Measure and sum the spectra across the outputs for UNII-1/2A/2C.

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.

Method (c): Measure and add 10 log(N_{ANT}) dB for UNII-3.

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

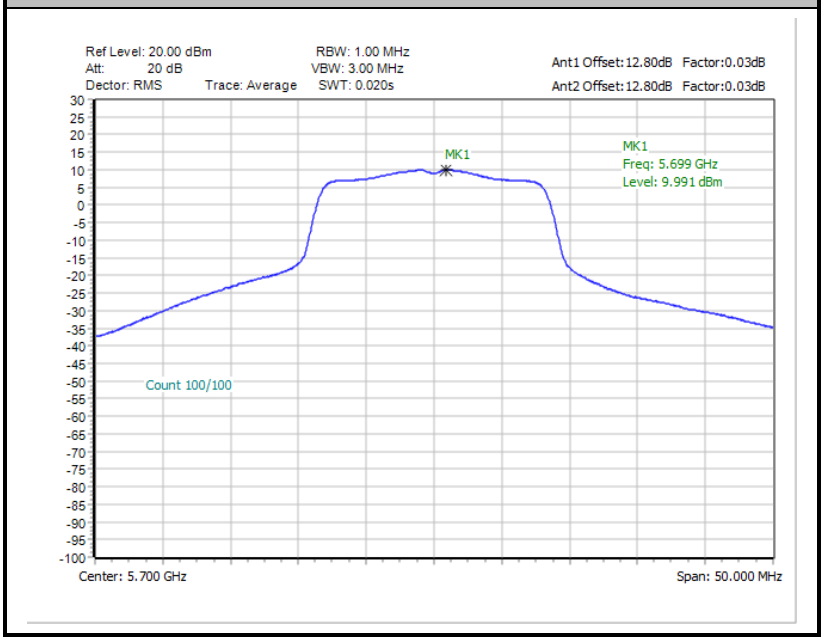


3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

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

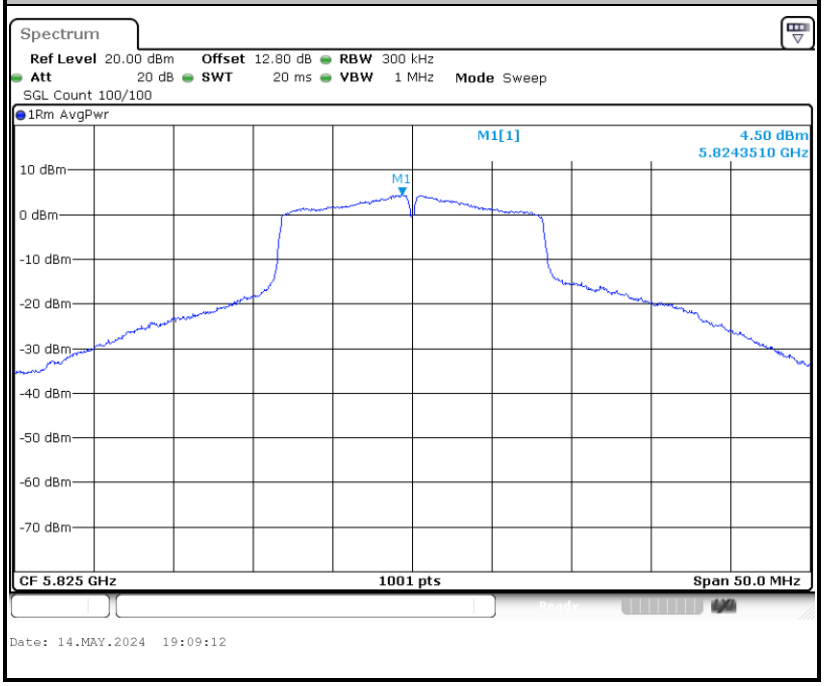
Worst Case Power Density (dBm/MHz)



Note: Average Power Density (dB) = Measured value+ Duty Factor

For devices operating in the band UNII-3

Worst Case Power Density (dBm/300kHz)



Note: Average Power Density (dB) = Measured value + Duty Factor + RBW offset + 3.01

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

(4) EIRP (dBm)	Field Strength at 3m (dBµV/m)
- 27	68.2

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 v01r04. 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

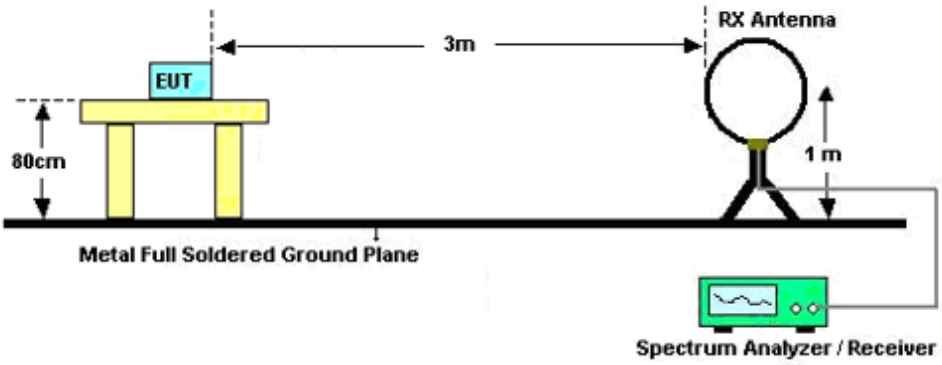
   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

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

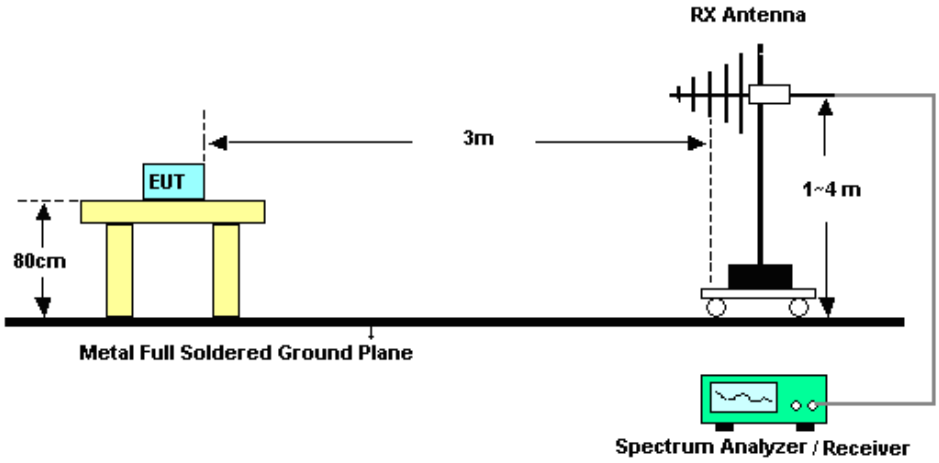
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter 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 average 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

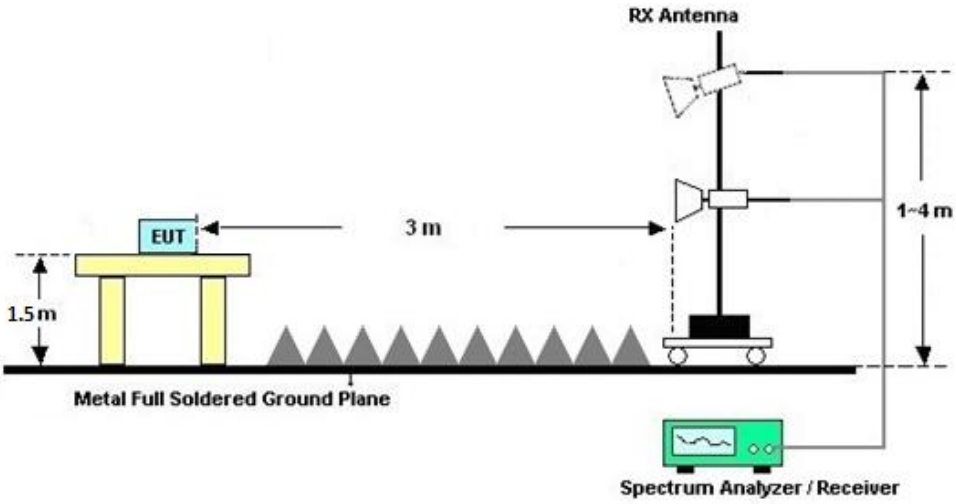
For radiated emissions below 30MHz



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)

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.

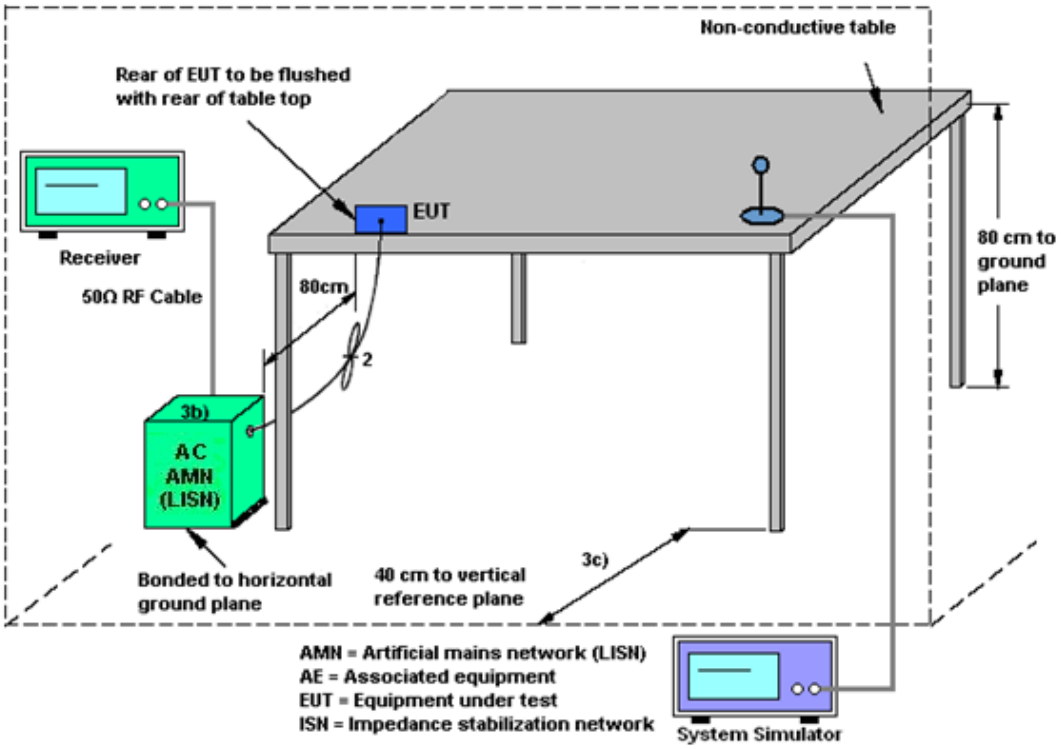
3.5.2 Measuring Instruments

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

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = GANT + Array Gain, where Array Gain is as follows.

For power spectral density (PSD) measurements on all devices,

Array Gain = 10 log(NANT/NSS=1) dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4.

Directional gain may be calculated by using the formulas applicable to equal gain antennas with GANT set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain GANT is set equal to the antenna having the highest gain, i.e., F)2)f)i).

For PSD, the directional gain calculation is following F)2)f)ii) of KDB 662911 D01 v02r01.

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

The directional gain “DG” is calculated as following table.

<CDD Modes>

	Ant. 8 (dBi)	Ant. 7 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
UNII-1	-5.50	-6.00	-5.50	-2.74	0.00	0.00
UNII-2A	-6.00	-7.00	-6.00	-3.48	0.00	0.00
UNII-2C	-6.50	-7.50	-6.50	-3.98	0.00	0.00
UNII-3	-7.50	-8.00	-7.50	-4.74	0.00	0.00

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. 09, 2024	Apr. 19, 2024 ~May 23, 2024	Apr. 08, 2025	Conducted (TH01-SZ)
Pulse Power Senor	Anritsu	MA2411B	1339473	30MHz~40GHz	Dec. 29, 2023	Apr. 19, 2024 ~May 23, 2024	Dec. 28, 2024	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1218010	50MHz Bandwidth	Aug. 21, 2023	Apr. 19, 2024 ~May 23, 2024	Aug. 20, 2024	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V，3A	Oct. 16, 2023	Apr. 19, 2024 ~May 23, 2024	Oct. 15, 2024	Conducted (TH01-SZ)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 09, 2024	Apr. 19, 2024 ~May 22, 2024	Apr. 08, 2025	Radiation (03CH03-SZ)
EXA Spectrum Anaiyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	Apr. 09, 2024	Apr. 19, 2024 ~May 22, 2024	Apr. 08, 2025	Radiation (03CH03-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jul. 28, 2022	Apr. 19, 2024 ~May 22, 2024	Jul. 27, 2024	Radiation (03CH03-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz-2GHz	Aug. 20, 2023	Apr. 19, 2024 ~May 22, 2024	Aug. 19, 2025	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1355	1GHz~18GHz	Apr. 09, 2024	Apr. 19, 2024 ~May 22, 2024	Apr. 08, 2025	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 09, 2024	Apr. 19, 2024 ~May 22, 2024	Apr. 08, 2025	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 18, 2023	Apr. 19, 2024 ~May 22, 2024	Oct. 17, 2024	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 18, 2023	Apr. 19, 2024 ~May 22, 2024	Oct. 17, 2024	Radiation (03CH03-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5GHz	Dec. 27, 2023	Apr. 19, 2024 ~May 22, 2024	Dec. 26, 2024	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 07, 2023	Apr. 19, 2024 ~May 22, 2024	Jul.06, 2024	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010002729	N/A	Oct. 18, 2023	Apr. 19, 2024 ~May 22, 2024	Oct. 17, 2024	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Apr. 19, 2024 ~May 22, 2024	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Apr. 19, 2024 ~May 22, 2024	NCR	Radiation (03CH03-SZ)
EMI Receiver	R&S	ESR7	101630	9kHz~7GHz;	Jul. 06, 2023	May 22, 2024	Jul. 05, 2024	Conduction (CO01-SZ)
AC LISN	R&S	ENV216	100063	9kHz~30MHz	Aug. 21, 2023	May 22, 2024	Aug. 20, 2024	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	EMCO	3816/2SH	00103892	9kHz~30MHz	Oct. 16, 2023	May 22, 2024	Oct. 15, 2024	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	616020000891	100Vac~250Vac	Jul. 07, 2023	May 22, 2024	Jul. 06, 2024	Conduction (CO01-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))	2.5dB

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

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

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

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

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

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

---------- 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:	2024/5/6	Relative Humidity:	51~54	%

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 8	Ant 7	Ant 8	Ant 7	SUM	Ant 8	Ant 7	Ant 8	Ant 7				
11a	6Mbps	2	36	Full	5180	0.03	0.03	16.68	16.71	19.71	24.00		-5.50			Pass		17.5
11a	6Mbps	2	44	Full	5220	0.03	0.03	16.43	17.15	19.82	24.00		-5.50			Pass		17.5
11a	6Mbps	2	48	Full	5240	0.03	0.03	16.31	17.17	19.77	24.00		-5.50			Pass		17.5
HE20	MCS0	2	36	Full	5180	0.00	0.00	17.66	18.00	20.84	24.00		-5.50			Pass		18.5
				26/0		0.00	0.00	10.18	9.10	12.68	24.00		-5.50			Pass		10
				52/37		0.00	0.00	12.36	11.58	15.00	24.00		-5.50			Pass		12.5
				106/53		0.00	0.00	15.32	14.58	17.98	24.00		-5.50			Pass		15.5
			44	Full	5220	0.00	0.00	17.65	18.23	20.96	24.00		-5.50			Pass		18.5
			48	Full	5240	0.00	0.00	17.68	18.12	20.92	24.00		-5.50			Pass		18.5
HE40	MCS0	2	38	Full	5190	0.00	0.00	15.10	15.28	18.20	24.00		-5.50			Pass		15.5
			46	Full	5230	0.00	0.00	17.65	18.27	20.98	24.00		-5.50			Pass		18.5
HE80	MCS0	2	42	Full	5210	0.00	0.00	14.20	14.22	17.22	24.00		-5.50			Pass		14
HE160	MCS0	2	50	Full	5250	0.00	0.00	13.42	13.40	16.42	24.00		-5.50			Pass		14

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 8	Ant 7	Ant 8	Ant 7	SUM	Ant 8	Ant 7	Ant 8	Ant 7			
11a	6Mbps	2	52	Full	5260	0.03	0.03	16.21	17.25	19.77	23.98		-6.00		26.99	Pass	17.5
11a	6Mbps	2	60	Full	5300	0.03	0.03	16.03	17.11	19.61	23.98		-6.00		26.99	Pass	17.5
11a	6Mbps	2	64	Full	5320	0.03	0.03	16.13	17.03	19.61	23.98		-6.00		26.99	Pass	17.5
HE20	MCS0	2	52	Full	5260	0.00	0.00	17.63	18.25	20.96	23.98		-6.00		26.99	Pass	18.5
			60	Full	5300	0.00	0.00	17.60	18.24	20.94	23.98		-6.00		26.99	Pass	18.5
			64	Full	5320	0.00	0.00	15.80	16.50	19.17	23.98		-6.00		26.99	Pass	17
				26/8		0.00	0.00	8.46	8.72	11.60	23.98		-6.00		26.99	Pass	10
				52/40		0.00	0.00	11.40	11.80	14.61	23.98		-6.00		26.99	Pass	13
				106/54		0.00	0.00	13.62	14.30	16.98	23.98		-6.00		26.99	Pass	15
HE40	MCS0	2	54	Full	5270	0.00	0.00	17.60	18.48	21.07	23.98		-6.00		26.99	Pass	18.5
			62	Full	5310	0.00	0.00	14.63	15.50	18.10	23.98		-6.00		26.99	Pass	15.5
HE80	MCS0	2	58	Full	5290	0.00	0.00	14.80	15.30	18.07	23.98		-6.00		26.99	Pass	15

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 8	Ant 7	Ant 8	Ant 7	SUM	Ant 8	Ant 7	Ant 8	Ant 7			
11a	6Mbps	2	100	Full	5500	0.03	0.03	16.53	16.33	19.44	23.98		-6.50		26.99	Pass	18
11a	6Mbps	2	116	Full	5580	0.03	0.03	16.83	16.55	19.70	23.93		-6.50		26.99	Pass	18
11a	6Mbps	2	140	Full	5700	0.03	0.03	16.23	17.14	19.72	23.98		-6.50		26.99	Pass	17.5
11a	6Mbps	2	144	Full	5720	0.03	0.03	15.73	17.12	19.49	23.98		-6.50		26.99	Pass	17
HE20	MCS0	2	100	Full	5500	0.00	0.00	16.70	16.22	19.48	23.98		-6.50		26.99	Pass	18
				26/0		0.00	0.00	9.23	8.13	11.73	23.98		-6.50		26.99	Pass	10
				52/37		0.00	0.00	12.02	11.26	14.67	23.98		-6.50		26.99	Pass	13
				106/53		0.00	0.00	12.42	11.83	15.15	23.98		-6.50		26.99	Pass	13.5
			116	Full	5580	0.00	0.00	18.25	17.82	21.05	23.98		-6.50		26.99	Pass	19
			140	Full	5700	0.00	0.00	16.60	17.15	19.89	23.98		-6.50		26.99	Pass	17.5
				26/8		0.00	0.00	8.75	9.58	12.20	23.98		-6.50		26.99	Pass	10
				52/40		0.00	0.00	11.60	12.30	14.97	23.98		-6.50		26.99	Pass	13
				106/54		0.00	0.00	14.88	15.13	18.02	23.98		-6.50		26.99	Pass	16
			144	Full	5720	0.00	0.00	17.23	18.30	20.81	23.98		-6.50		26.99	Pass	18.5
HE40	MCS0	2	102	Full	5510	0.00	0.00	14.68	13.95	17.34	23.98		-6.50		26.99	Pass	15
			110	Full	5550	0.00	0.00	18.25	17.55	20.92	23.98		-6.50		26.99	Pass	19
			134	Full	5670	0.00	0.00	17.23	17.60	20.43	23.98		-6.50		26.99	Pass	18
			142	Full	5710	0.00	0.00	17.57	18.35	20.99	23.98		-6.50		26.99	Pass	18.5
HE80	MCS0	2	106	Full	5530	0.00	0.00	13.95	12.88	16.46	23.98		-6.50		26.99	Pass	13.5
			122	Full	5610	0.00	0.00	17.78	16.76	20.31	23.98		-6.50		26.99	Pass	17
			138	Full	5690	0.00	0.00	17.40	17.30	20.36	23.98		-6.50		26.99	Pass	17
HE160	MCS0	2	114	Full	5570	0.00	0.00	12.50	11.52	15.05	23.98		-6.50		26.99	Pass	12.5

TEST RESULTS DATA
26dB and 99% OBW

UNII-1						
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)
					Ant 7	Ant 7
11a	6Mbps	2	36	5180	16.334	19.38
11a	6Mbps	2	44	5220	16.384	20.28
11a	6Mbps	2	48	5240	16.334	20.04
HE20	MCS0	2	36	5180	19.381	29.22
HE20	MCS0	2	44	5220	19.580	29.52
HE20	MCS0	2	48	5240	19.930	29.82
HE40	MCS0	2	38	5190	38.661	58.80
HE40	MCS0	2	46	5230	39.560	61.32
HE80	MCS0	2	42	5210	77.083	99.36
HE160	MCS0	2	50	5250	156.563	188.64

TEST RESULTS DATA
Power Spectral Density

UNII-1													
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 8	Ant 8	SUM	Ant 8	Ant 7	Ant 8	Ant 7	
11a	6Mbps	2	36	Full	5180	0.03	0.03	9.82	11.00		-2.74		Pass
11a	6Mbps	2	44	Full	5220	0.03	0.03	9.94	11.00		-2.74		Pass
11a	6Mbps	2	48	Full	5240	0.03	0.03	9.89	11.00		-2.74		Pass
HE20	MCS0	2	36	Full	5180	0.00	0.00	9.87	11.00		-2.74		Pass
				26/0		0.00	0.00	9.77	11.00		-2.74		Pass
				52/37		0.00	0.00	9.33	11.00		-2.74		Pass
				106/53		0.00	0.00	9.42	11.00		-2.74		Pass
HE20	MCS0	2	44	Full	5220	0.00	0.00	9.89	11.00		-2.74		Pass
HE20	MCS0	2	48	Full	5240	0.00	0.00	9.77	11.00		-2.74		Pass
HE40	MCS0	2	38	Full	5190	0.00	0.00	7.25	11.00		-2.74		Pass
HE40	MCS0	2	46	Full	5230	0.00	0.00	7.79	11.00		-2.74		Pass
HE80	MCS0	2	42	Full	5210	0.00	0.00	4.91	11.00		-2.74		Pass
HE160	MCS0	2	50	Full	5250	0.00	0.00	2.27	11.00		-2.74		Pass

TEST RESULTS DATA
26dB and 99% OBW

UNII-2A								
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)	FCC 26dB Bandwidth Power Limit (dBm)	
					Ant 7	Ant 7	Ant 8	Ant 7
11a	6Mbps	2	52	5260	16.384	20.28	23.98	
11a	6Mbps	2	60	5300	16.334	20.10	23.98	
11a	6Mbps	2	64	5320	16.334	20.34	23.98	
HE20	MCS0	2	52	5260	19.780	29.76	23.98	
HE20	MCS0	2	60	5300	19.630	29.82	23.98	
HE20	MCS0	2	64	5320	19.481	29.52	23.98	
HE40	MCS0	2	54	5270	38.961	63.24	23.98	
HE40	MCS0	2	62	5310	38.262	60.96	23.98	
HE80	MCS0	2	58	5290	77.323	97.92	23.98	

TEST RESULTS DATA
Power Spectral Density

UNII-2A													
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 8	Ant 7	SUM	Ant 8	Ant 7	Ant 8	Ant 7	
11a	6Mbps	2	52	Full	5260	0.03	0.03	9.91	11.00		-3.48		Pass
11a	6Mbps	2	60	Full	5300	0.03	0.03	9.82	11.00		-3.48		Pass
11a	6Mbps	2	64	Full	5320	0.03	0.03	9.84	11.00		-3.48		Pass
HE20	MCS0	2	52	Full	5260	0.00	0.00	9.83	11.00		-3.48		Pass
HE20	MCS0	2	60	Full	5300	0.00	0.00	9.70	11.00		-3.48		Pass
HE20	MCS0	2	64	Full	5320	0.00	0.00	9.68	11.00		-3.48		Pass
				26/8		0.00	0.00	8.99	11.00		-3.48		Pass
				52/40		0.00	0.00	9.09	11.00		-3.48		Pass
				106/54		0.00	0.00	9.12	11.00		-3.48		Pass
HE40	MCS0	2	54	Full	5270	0.00	0.00	7.75	11.00		-3.48		Pass
HE40	MCS0	2	62	Full	5310	0.00	0.00	7.68	11.00		-3.48		Pass
HE80	MCS0	2	58	Full	5290	0.00	0.00	4.60	11.00		-3.48		Pass

TEST RESULTS DATA
26dB and 99% OBW

UNII-2C								
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)	FCC 26dB Bandwidth Power Limit (dBm)	
					Ant 7	Ant 7	Ant 8	Ant 7
11a	6Mbps	2	100	5500	16.334	20.28	23.98	
11a	6Mbps	2	116	5580	16.334	19.62	23.93	
11a	6Mbps	2	140	5700	16.484	23.46	23.98	
11a	6Mbps	2	144	5720	16.434	20.88	23.98	
HE20	MCS0	2	100	5500	19.930	32.43	23.98	
HE20	MCS0	2	116	5580	19.481	29.46	23.98	
HE20	MCS0	2	140	5700	19.580	33.51	23.98	
HE20	MCS0	2	144	5720	19.680	37.16	23.98	
HE40	MCS0	2	102	5510	39.560	61.68	23.98	
HE40	MCS0	2	110	5550	38.362	61.80	23.98	
HE40	MCS0	2	134	5670	39.261	68.52	23.98	
HE40	MCS0	2	142	5710	38.861	72.84	23.98	
HE80	MCS0	2	106	5530	77.203	95.76	23.98	
HE80	MCS0	2	122	5610	77.203	94.56	23.98	
HE80	MCS0	2	138	5690	77.443	115.20	23.98	
HE160	MCS0	2	114	5570	156.803	247.20	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 8	Ant 7	SUM	Ant 8	Ant 7	Ant 8	Ant 7	
11a	6Mbps	2	100	Full	5500	0.03	0.03	9.74	11.00		-3.98		Pass
11a	6Mbps	2	116	Full	5580	0.03	0.03	9.82	11.00		-3.98		Pass
11a	6Mbps	2	140	Full	5700	0.03	0.03	9.99	11.00		-3.98		Pass
11a	6Mbps	2	144	Full	5720	0.03	0.03	9.61	11.00		-3.98		Pass
HE20	MCS0	2	100	Full	5500	0.00	0.00	9.88	11.00		-3.98		Pass
				26/0		0.00	0.00	9.40	11.00		-3.98		Pass
				52/37		0.00	0.00	9.53	11.00		-3.98		Pass
				106/53		0.00	0.00	9.41	11.00		-3.98		Pass
HE20	MCS0	2	116	Full	5580	0.00	0.00	9.82	11.00		-3.98		Pass
HE20	MCS0	2	140	Full	5700	0.00	0.00	9.96	11.00		-3.98		Pass
				26/8		0.00	0.00	9.64	11.00		-3.98		Pass
				52/40		0.00	0.00	9.50	11.00		-3.98		Pass
				106/54		0.00	0.00	9.57	11.00		-3.98		Pass
HE20	MCS0	2	144	Full	5720	0.00	0.00	9.92	11.00		-3.98		Pass
HE40	MCS0	2	102	Full	5510	0.00	0.00	8.04	11.00		-3.98		Pass
HE40	MCS0	2	110	Full	5550	0.00	0.00	7.78	11.00		-3.98		Pass
HE40	MCS0	2	134	Full	5670	0.00	0.00	7.90	11.00		-3.98		Pass
HE40	MCS0	2	142	Full	5710	0.00	0.00	7.85	11.00		-3.98		Pass
HE80	MCS0	2	106	Full	5530	0.00	0.00	4.63	11.00		-3.98		Pass
HE80	MCS0	2	122	Full	5610	0.00	0.00	4.87	11.00		-3.98		Pass
HE80	MCS0	2	138	Full	5690	0.00	0.00	4.90	11.00		-3.98		Pass
HE160	MCS0	2	114	Full	5570	0.00	0.00	1.96	11.00		-3.98		Pass

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

UNII-3									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 7	Ant 7	Ant 7	Ant 7	
11a	6Mbps	2	149	5745	19.630	34.98	16.40	0.5	Pass
11a	6Mbps	2	157	5785	19.630	32.58	15.10	0.5	Pass
11a	6Mbps	2	165	5825	19.730	34.98	16.15	0.5	Pass
HE20	MCS0	2	149	5745	19.980	36.36	19.05	0.5	Pass
HE20	MCS0	2	157	5785	19.830	35.70	18.10	0.5	Pass
HE20	MCS0	2	165	5825	19.730	33.30	15.50	0.5	Pass
HE40	MCS0	2	151	5755	39.660	79.44	35.28	0.5	Pass
HE40	MCS0	2	159	5795	39.460	75.00	35.73	0.5	Pass
HE80	MCS0	2	155	5775	77.922	161.76	69.12	0.5	Pass

TEST RESULTS DATA
Average Power Table

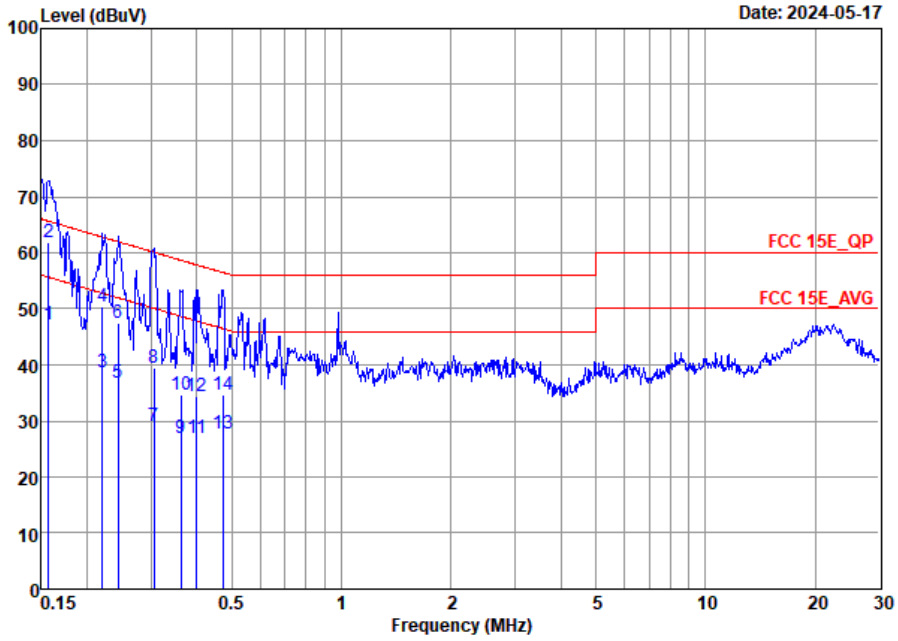
UNII-3																		
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail		Power Setting
						Ant 8	Ant 7	Ant 8	Ant 7	SUM	Ant 8	Ant 7	Ant 8	Ant 7				
11a	6Mbps	2	149	Full	5745	0.03	0.03	17.65	18.37	21.04	30.00		-7.50			Pass		18.5
11a	6Mbps	2	157	Full	5785	0.03	0.03	17.73	18.49	21.14	30.00		-7.50			Pass		18.5
11a	6Mbps	2	165	Full	5825	0.03	0.03	17.58	18.46	21.05	30.00		-7.50			Pass		18.5
HE20	MCS0	2	149	Full	5745	0.00	0.00	17.59	18.28	20.96	30.00		-7.50			Pass		18.5
HE20	MCS0	2	149	26/0	5745	0.00	0.00	9.15	10.82	13.08	30.00		-7.50			Pass		10
HE20	MCS0	2	149	52/37	5745	0.00	0.00	12.00	13.52	15.84	30.00		-7.50			Pass		13
HE20	MCS0	2	149	106/53	5745	0.00	0.00	14.62	16.40	18.61	30.00		-7.50			Pass		16
HE20	MCS0	2	157	Full	5785	0.00	0.00	17.65	18.46	21.08	30.00		-7.50			Pass		18.5
HE20	MCS0	2	165	Full	5825	0.00	0.00	17.55	18.43	21.02	30.00		-7.50			Pass		18.5
HE20	MCS0	2	165	26/8	5825	0.00	0.00	8.94	11.12	13.18	30.00		-7.50			Pass		10.5
HE20	MCS0	2	165	52/40	5825	0.00	0.00	11.82	13.66	15.85	30.00		-7.50			Pass		13.5
HE20	MCS0	2	165	106/54	5825	0.00	0.00	15.11	16.56	18.91	30.00		-7.50			Pass		16.5
HE40	MCS0	2	151	Full	5755	0.00	0.00	17.74	18.47	21.13	30.00		-7.50			Pass		18.5
HE40	MCS0	2	159	Full	5795	0.00	0.00	17.55	18.42	21.02	30.00		-7.50			Pass		18
HE80	MCS0	2	155	Full	5775	0.00	0.00	17.19	17.98	20.61	30.00		-7.50			Pass		17

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 8	Ant 7	Ant 8	Ant 7	Ant 8	Ant 7	Worst+3.01	Ant 8	Ant 7	Ant 8	Ant 7	
11a	6Mbps	2	149	Full	5745	0.03	0.03	2.22		4.64	5.13	8.14	30.00		-4.74		Pass
11a	6Mbps	2	157	Full	5785	0.03	0.03	2.22		4.72	6.14	9.15	30.00		-4.74		Pass
11a	6Mbps	2	165	Full	5825	0.03	0.03	2.22		5.08	6.75	9.76	30.00		-4.74		Pass
HE20	MCS0	2	149	Full	5745	0.00	0.00	2.22		4.15	5.48	8.49	30.00		-4.74		Pass
HE20	MCS0	2	149	26/0	5745	0.00	0.00	2.22		3.52	5.18	8.19	30.00		-4.74		Pass
HE20	MCS0	2	149	52/37	5745	0.00	0.00	2.22		3.29	4.92	7.93	30.00		-4.74		Pass
HE20	MCS0	2	149	106/53	5745	0.00	0.00	2.22		3.19	4.79	7.80	30.00		-4.74		Pass
HE20	MCS0	2	157	Full	5785	0.00	0.00	2.22		4.32	5.85	8.86	30.00		-4.74		Pass
HE20	MCS0	2	165	Full	5825	0.00	0.00	2.22		4.37	5.87	8.88	30.00		-4.74		Pass
HE20	MCS0	2	165	26/8	5825	0.00	0.00	2.22		3.66	5.84	8.85	30.00		-4.74		Pass
HE20	MCS0	2	165	52/40	5825	0.00	0.00	2.22		3.81	5.42	8.43	30.00		-4.74		Pass
HE20	MCS0	2	165	106/54	5825	0.00	0.00	2.22		3.94	5.43	8.44	30.00		-4.74		Pass
HE40	MCS0	2	151	Full	5755	0.00	0.00	2.22		1.52	3.21	6.22	30.00		-4.74		Pass
HE40	MCS0	2	159	Full	5795	0.00	0.00	2.22		1.37	3.09	6.10	30.00		-4.74		Pass
HE80	MCS0	2	155	Full	5775	0.00	0.00	2.22		-0.89	0.19	3.20	30.00		-4.74		Pass

Appendix B. AC Conducted Emission Test Results

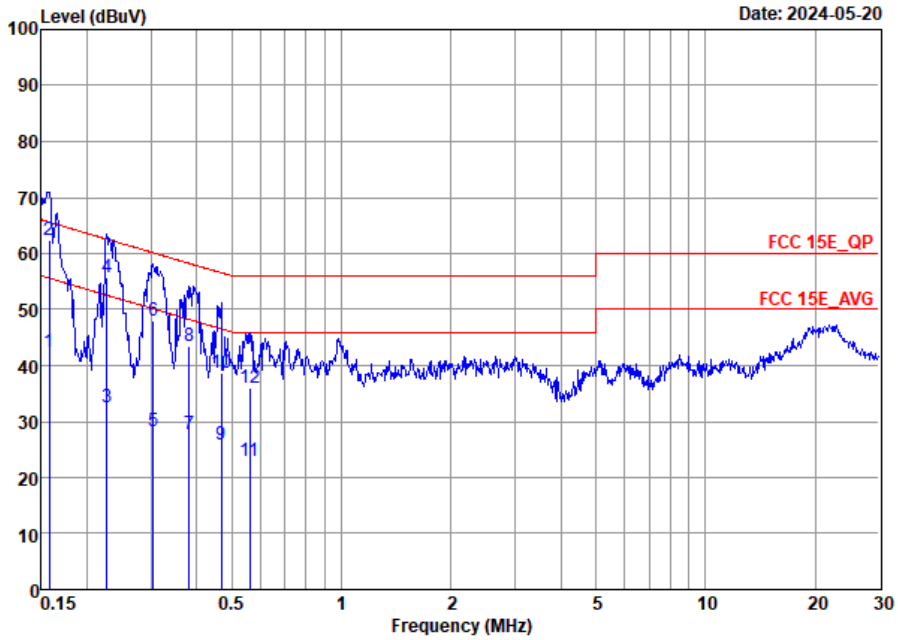
Test Engineer :	Yuki Tang	**Temperature :**	22~24℃
		Relative Humidity :	44~50%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-SZ
Condition: FCC 15E_QP AC LISN 100063_L LINE

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.16	47.27	-8.38	55.65	26.79	10.34	10.14	Average
2	*	0.16	61.87	-3.78	65.65	41.39	10.34	10.14	QP
3		0.22	38.68	-14.11	52.79	18.20	10.33	10.15	Average
4		0.22	50.28	-12.51	62.79	29.80	10.33	10.15	QP
5		0.24	36.92	-15.08	52.00	16.60	10.17	10.15	Average
6		0.24	47.42	-14.58	62.00	27.10	10.17	10.15	QP
7		0.31	29.01	-21.09	50.10	8.80	10.06	10.15	Average
8		0.31	39.41	-20.69	60.10	19.20	10.06	10.15	QP
9		0.36	26.84	-21.85	48.69	6.40	10.28	10.16	Average
10		0.36	34.74	-23.95	58.69	14.30	10.28	10.16	QP
11		0.40	27.01	-20.85	47.86	6.40	10.45	10.16	Average
12		0.40	34.41	-23.45	57.86	13.80	10.45	10.16	QP
13		0.47	27.86	-18.59	46.45	7.39	10.31	10.16	Average
14		0.47	34.56	-21.89	56.45	14.09	10.31	10.16	QP

Test Engineer :	Yuki Tang	**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 : CO01-SZ
Condition: FCC 15E_QP AC LISN 100063_N NEUTRAL

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.16	42.51	-13.09	55.60	22.10	10.27	10.14	Average
2	*	0.16	62.51	-3.09	65.60	42.10	10.27	10.14	QP
3		0.23	32.45	-20.12	52.57	12.10	10.20	10.15	Average
4		0.23	55.85	-6.72	62.57	35.50	10.20	10.15	QP
5		0.30	28.32	-21.83	50.15	7.70	10.47	10.15	Average
6		0.30	48.12	-12.03	60.15	27.50	10.47	10.15	QP
7		0.38	27.72	-20.53	48.25	7.49	10.07	10.16	Average
8		0.38	43.42	-14.83	58.25	23.19	10.07	10.16	QP
9		0.47	25.93	-20.61	46.54	5.70	10.07	10.16	Average
10		0.47	38.63	-17.91	56.54	18.40	10.07	10.16	QP
11		0.56	22.90	-23.10	46.00	2.60	10.14	10.16	Average
12		0.56	36.10	-19.90	56.00	15.80	10.14	10.16	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 Data

Test Engineer :	Shunping You	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	8+7	802.11a	36	5180	6Mbps	-	-
Mode 2	U-NII-1	5.15-5.25	8+7	802.11a	44	5220	6Mbps	-	-
Mode 3	U-NII-1	5.15-5.25	8+7	802.11a	48	5240	6Mbps	-	-
Mode 4	U-NII-2A	5.25-5.35	8+7	802.11a	52	5280	6Mbps	-	-
Mode 5	U-NII-2A	5.25-5.35	8+7	802.11a	60	5300	6Mbps	-	-
Mode 6	U-NII-2A	5.25-5.35	8+7	802.11a	64	5320	6Mbps	-	-
Mode 7	U-NII-2C	5.47-5.725	8+7	802.11a	100	5500	6Mbps	-	-
Mode 8	U-NII-2C	5.47-5.725	8+7	802.11a	116	5580	6Mbps	-	-
Mode 9	U-NII-2C	5.47-5.725	8+7	802.11a	140	5700	6Mbps	-	-
Mode 10	U-NII-2C	5.47-5.85	8+7	802.11a	144	5720	6Mbps	-	-
Mode 11	U-NII-1	5.15-5.25	8+7	802.11ax HE20	36	5180	MCS0	Full RU	-
Mode 12	U-NII-1	5.15-5.25	8+7	802.11ax HE20	44	5220	MCS0	Full RU	-
Mode 13	U-NII-1	5.15-5.25	8+7	802.11ax HE20	48	5240	MCS0	Full RU	-
Mode 14	U-NII-2A	5.25-5.35	8+7	802.11ax HE20	52	5280	MCS0	Full RU	-
Mode 15	U-NII-2A	5.25-5.35	8+7	802.11ax HE20	60	5300	MCS0	Full RU	-
Mode 16	U-NII-2A	5.25-5.35	8+7	802.11ax HE20	64	5320	MCS0	Full RU	-
Mode 17	U-NII-2C	5.47-5.725	8+7	802.11ax HE20	100	5500	MCS0	Full RU	-
Mode 18	U-NII-2C	5.47-5.725	8+7	802.11ax HE20	116	5580	MCS0	Full RU	-
Mode 19	U-NII-2C	5.47-5.725	8+7	802.11ax HE20	140	5700	MCS0	Full RU	-
Mode 20	U-NII-1	5.15-5.25	8+7	802.11ax HE40	38	5190	MCS0	Full RU	-
Mode 21	U-NII-1	5.15-5.25	8+7	802.11ax HE40	46	5230	MCS0	Full RU	-
Mode 22	U-NII-2A	5.25-5.35	8+7	802.11ax HE40	54	5270	MCS0	Full RU	-
Mode 23	U-NII-2A	5.25-5.35	8+7	802.11ax HE40	62	5310	MCS0	Full RU	-
Mode 24	U-NII-2C	5.47-5.725	8+7	802.11ax HE40	102	5510	MCS0	Full RU	-
Mode 25	U-NII-2C	5.47-5.725	8+7	802.11ax HE40	134	5670	MCS0	Full RU	-
Mode 26	U-NII-1	5.15-5.25	8+7	802.11ax HE80	42	5210	MCS0	Full RU	-
Mode 27	U-NII-2A	5.25-5.35	8+7	802.11ax HE80	58	5290	MCS0	Full RU	-
Mode 28	U-NII-2C	5.47-5.725	8+7	802.11ax HE80	106	5530	MCS0	Full RU	-
Mode 29	U-NII-2C	5.47-5.725	8+7	802.11ax HE80	122	5610	MCS0	Full RU	-
Mode 30	U-NII-2A	5.15-5.35	8+7	802.11ax HE160	50	5250	MCS0	Full RU	-
Mode 31	U-NII-2C	5.47-5.725	8+7	802.11ax HE160	114	5570	MCS0	Full RU	-
Mode 32	U-NII-2C	5.47-5.85	8+7	802.11ax HE20	144	5720	MCS0	Full RU	-
Mode 33	U-NII-2C	5.47-5.85	8+7	802.11ax HE40	142	5710	MCS0	Full RU	-

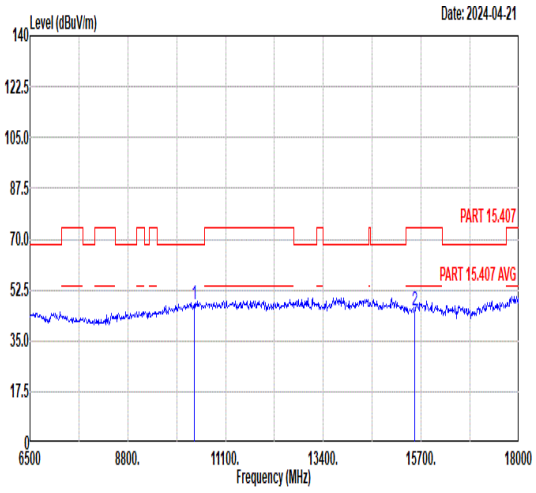
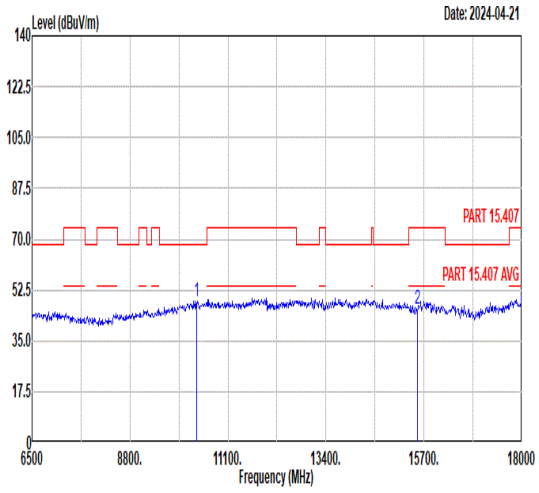
Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 34	U-NII-2C	5.47-5.85	8+7	802.11ax HE80	138	5690	MCS0	Full RU	-
Mode 35	U-NII-1	5.15-5.25	8+7	802.11ax HE20	36	5180	MCS0	Partial RU26/0	-
Mode 36	U-NII-2A	5.25-5.35	8+7	802.11ax HE20	64	5320	MCS0	Partial RU 106/54	-
Mode 37	U-NII-2C	5.47-5.725	8+7	802.11ax HE20	100	5500	MCS0	Partial RU 106/53	-
Mode 38	U-NII-2C	5.47-5.725	8+7	802.11ax HE20	140	5700	MCS0	Partial RU 106/54	-
Mode 39	U-NII-3	5.725-5.85	8+7	802.11a	149	5745	6Mbps	-	-
Mode 40	U-NII-3	5.725-5.85	8+7	802.11a	157	5785	6Mbps	-	-
Mode 41	U-NII-3	5.725-5.85	8+7	802.11a	165	5825	6Mbps	-	-
Mode 42	U-NII-3	5.725-5.85	8+7	802.11ax HE20	149	5745	MCS0	Full RU	-
Mode 43	U-NII-3	5.725-5.85	8+7	802.11ax HE20	157	5785	MCS0	Full RU	-
Mode 44	U-NII-3	5.725-5.85	8+7	802.11ax HE20	165	5825	MCS0	Full RU	-
Mode 45	U-NII-3	5.725-5.85	8+7	802.11ax HE40	151	5755	MCS0	Full RU	-
Mode 46	U-NII-3	5.725-5.85	8+7	802.11ax HE40	159	5795	MCS0	Full RU	-
Mode 47	U-NII-3	5.725-5.85	8+7	802.11ax HE80	155	5775	MCS0	Full RU	-
Mode 48	U-NII-3	5.725-5.85	8+7	802.11ax HE20	149	5745	MCS0	Partial RU26/0	-
Mode 49	U-NII-3	5.725-5.85	8+7	802.11ax HE20	165	5825	MCS0	Partial RU26/8	-
Mode 50	U-NII-2C	5.47-5.725	8+7	802.11ax HE20	36	LF	MCS0	-	-
Mode 51	U-NII-3	5.725-5.85	8+7	802.11ax HE20	149	LF	MCS0	-	-
Mode 52	U-NII-1	5.15-5.25	8+7	802.11ax HE20	36	5180	MCS0	-	-
	LTE Band 13 Link								
Mode 53	U-NII-1	5.15-5.25	8+7	802.11ax HE20	36	5180	MCS0	-	-
	2.4G	2.4-2.4835	8	BLE TX	BLE	2480	2M	-	-
	LTE Band 13 Link								
Mode 54	U-NII-1	5.15-5.25	8+7	802.11ax HE20	36	5180	MCS0	Full RU	Sample 2
Mode 55	U-NII-3	5.725-5.85	8+7	802.11ax HE40	159	5795	MCS0	Full RU	Sample 2

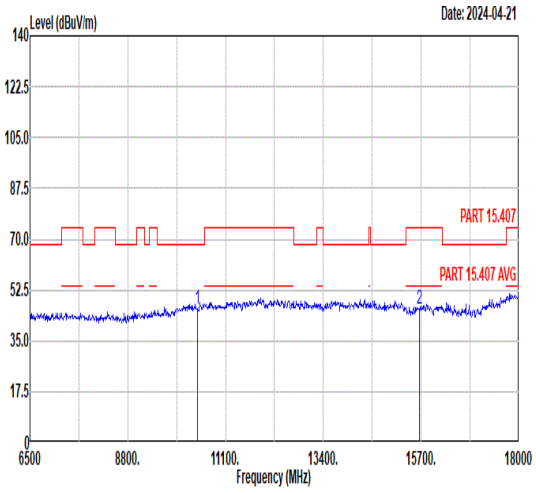
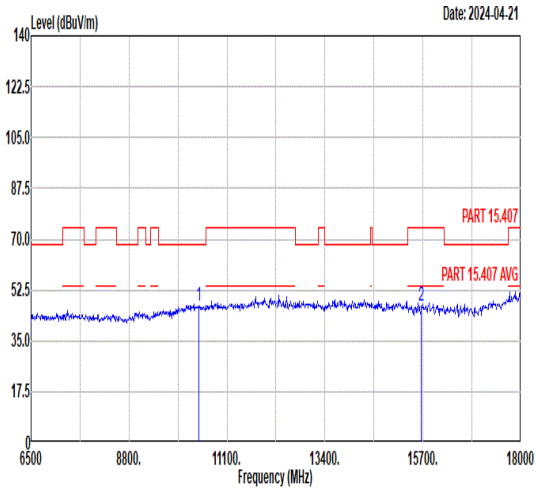
Summary of each worse mode

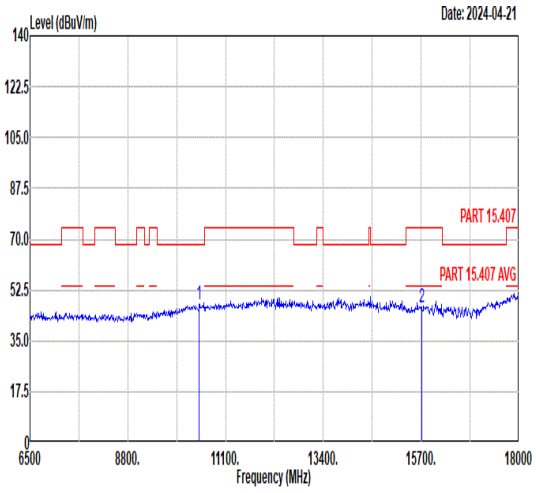
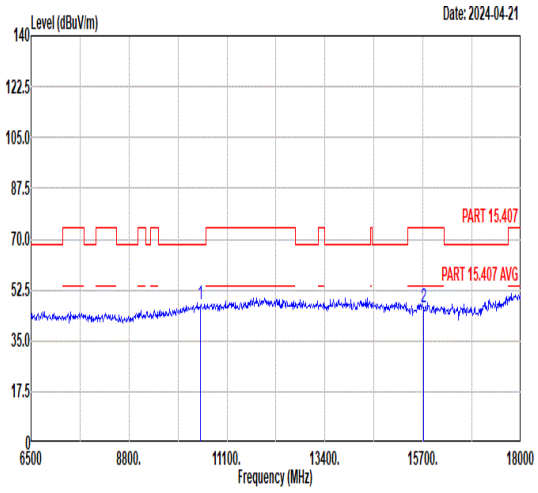
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
1	802.11a	36	-	-	-	-	-	-	-	Band Edge
1	802.11a	36	10360.00	48.35	68.30	-19.95	V	Peak	Pass	Harmonic
2	802.11a	44	-	-	-	-	-	-	-	Band Edge
2	802.11a	44	10440.00	46.80	68.30	-21.50	V	Peak	Pass	Harmonic
3	802.11a	48	-	-	-	-	-	-	-	Band Edge
3	802.11a	48	10480.00	47.50	68.30	-20.80	H	Peak	Pass	Harmonic
4	802.11a	52	-	-	-	-	-	-	-	Band Edge
4	802.11a	52	10520	47.08	68.3	-21.22	H	Peak	Pass	Harmonic
5	802.11a	60	-	-	-	-	-	-	-	Band Edge
5	802.11a	60	15900.00	47.43	74.00	-26.57	V	Peak	Pass	Harmonic
6	802.11a	64	5350.10	47.45	54.00	-6.55	H	AVERAGE	Pass	Band Edge
6	802.11a	64	10640.00	47.44	74.00	-26.56	V	Peak	Pass	Harmonic
7	802.11a	100	-	-	-	-	-	-	-	Band Edge
7	802.11a	100	16500.00	44.82	68.30	-23.48	V	Peak	Pass	Harmonic
8	802.11a	116	-	-	-	-	-	-	-	Band Edge
8	802.11a	116	16740.00	46.20	68.30	-22.10	V	Peak	Pass	Harmonic
9	802.11a	140	-	-	-	-	-	-	-	Band Edge
9	802.11a	140	17100.00	45.25	68.30	-23.05	H	Peak	Pass	Harmonic
10	802.11a	144	-	-	-	-	-	-	-	Band Edge
10	802.11a	144	17160.00	46.63	68.30	-21.67	V	Peak	Pass	Harmonic
11	802.11ax HE20	36	5148.14	50.90	54.00	-3.10	H	AVERAGE	Pass	Band Edge
11	802.11ax HE20	36	10360.00	46.60	68.30	-21.70	V	Peak	Pass	Harmonic
12	802.11ax HE20	44	-	-	-	-	-	-	-	Band Edge
12	802.11ax HE20	44	10440.00	46.20	68.30	-22.10	V	Peak	Pass	Harmonic
13	802.11ax HE20	48	-	-	-	-	-	-	-	Band Edge
13	802.11ax HE20	48	10480.00	47.31	68.30	-20.99	V	Peak	Pass	Harmonic
14	802.11ax HE20	52	-	-	-	-	-	-	-	Band Edge
14	802.11ax HE20	52	10520	47.11	68.3	-21.19	V	Peak	Pass	Harmonic
15	802.11ax HE20	60	-	-	-	-	-	-	-	Band Edge
15	802.11ax HE20	60	10600.00	47.20	74.00	-26.80	H	Peak	Pass	Harmonic
16	802.11ax HE20	64	5350.10	48.33	54.00	-5.67	H	AVERAGE	Pass	Band Edge
16	802.11ax HE20	64	15960.00	47.82	74.00	-26.18	V	Peak	Pass	Harmonic
17	802.11ax HE20	100	5468.35	63.79	68.30	-4.51	H	PEAK	Pass	Band Edge
17	802.11ax HE20	100	16500.00	46.33	68.30	-21.97	V	Peak	Pass	Harmonic
18	802.11ax HE20	116	-	-	-	-	-	-	-	Band Edge
18	802.11ax HE20	116	16740.00	44.80	68.30	-23.50	H	Peak	Pass	Harmonic
19	802.11ax HE20	140	5725.94	64.65	68.30	-3.65	H	PEAK	Pass	Band Edge
19	802.11ax HE20	140	17100.00	44.81	68.30	-23.49	V	Peak	Pass	Harmonic

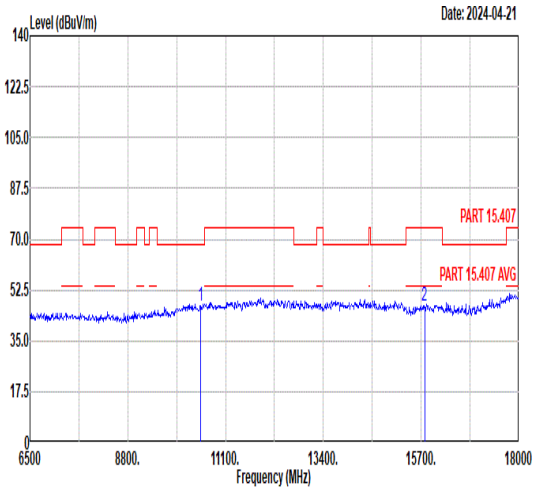
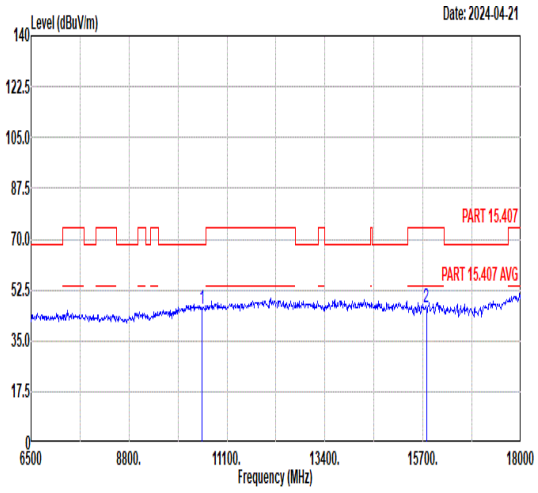
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
20	802.11ax HE40	38	5148.20	50.88	54.00	-3.12	H	AVERAGE	Pass	Band Edge
20	802.11ax HE40	38	-	-	-	-	-	-	-	Harmonic
21	802.11ax HE40	46	5147.20	46.13	54.00	-7.87	H	AVERAGE	Pass	Band Edge
21	802.11ax HE40	46	-	-	-	-	-	-	-	Harmonic
22	802.11ax HE40	54	5358.54	45.18	54.00	-8.82	H	AVERAGE	Pass	Band Edge
22	802.11ax HE40	54	-	-	-	-	-	-	-	Harmonic
23	802.11ax HE40	62	5355.90	49.79	54.00	-4.21	H	AVERAGE	Pass	Band Edge
23	802.11ax HE40	62	-	-	-	-	-	-	-	Harmonic
24	802.11ax HE40	102	5458.64	49.95	54.00	-4.05	H	AVERAGE	Pass	Band Edge
24	802.11ax HE40	102	-	-	-	-	-	-	-	Harmonic
25	802.11ax HE40	134	5727.00	63.31	68.30	-4.99	H	PEAK	Pass	Band Edge
25	802.11ax HE40	134	-	-	-	-	-	-	-	Harmonic
26	802.11ax HE80	42	5144.48	50.32	54.00	-3.68	H	AVERAGE	Pass	Band Edge
26	802.11ax HE80	42	-	-	-	-	-	-	-	Harmonic
27	802.11ax HE80	58	5350.35	50.43	54.00	-3.57	H	AVERAGE	Pass	Band Edge
27	802.11ax HE80	58	-	-	-	-	-	-	-	Harmonic
28	802.11ax HE80	106	5456.92	50.64	54.00	-3.36	H	AVERAGE	Pass	Band Edge
28	802.11ax HE80	106	-	-	-	-	-	-	-	Harmonic
29	802.11ax HE80	122	5455.04	46.03	54.00	-7.97	H	AVERAGE	Pass	Band Edge
29	802.11ax HE80	122	-	-	-	-	-	-	-	Harmonic
30	802.11ax HE160	50	5102.75	50.51	54.00	-3.49	H	AVERAGE	Pass	Band Edge
30	802.11ax HE160	50	10500.00	47.53	68.30	-20.77	H	Peak	Pass	Harmonic
31	802.11ax HE160	114	5422.82	48.75	54.00	-5.25	H	AVERAGE	Pass	Band Edge
31	802.11ax HE160	114	16710.00	44.21	68.30	-24.09	H	Peak	Pass	Harmonic
32	802.11ax HE20	144	5411.05	38.99	54.00	-15.01	H	Average	Pass	Band Edge
32	802.11ax HE20	144	17160.00	46.56	68.30	-21.74	V	Peak	Pass	Harmonic
33	802.11ax HE40	142	5400.05	38.87	54.00	-15.13	H	Average	Pass	Band Edge
34	802.11ax HE80	138	5455.60	39.36	54.00	-14.64	H	Average	Pass	Band Edge
34	802.11ax HE80	138	-	-	-	-	-	-	-	Harmonic
35	802.11ax HE20	36	5138.78	40.73	54.00	-13.27	H	AVERAGE	Pass	Band Edge
35	802.11ax HE20	36	-	-	-	-	-	-	-	Harmonic
36	802.11ax HE20	64	5352.76	68.60	74.00	-5.40	H	PEAK	Pass	Band Edge
36	802.11ax HE20	64	-	-	-	-	-	-	-	Harmonic
37	802.11ax HE20	100	5454.10	63.88	68.30	-4.42	H	PEAK	Pass	Band Edge
37	802.11ax HE20	100	-	-	-	-	-	-	-	Harmonic
38	802.11ax HE20	140	5764.74	51.11	68.30	-17.19	H	PEAK	Pass	Band Edge
38	802.11ax HE20	140	-	-	-	-	-	-	-	Harmonic
39	802.11a	149	-	-	-	-	-	-	-	Band Edge
39	802.11a	149	17235.00	47.81	68.30	-20.49	H	Peak	Pass	Harmonic

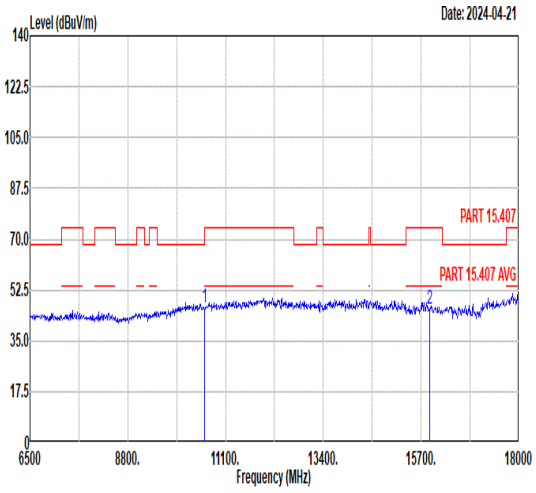
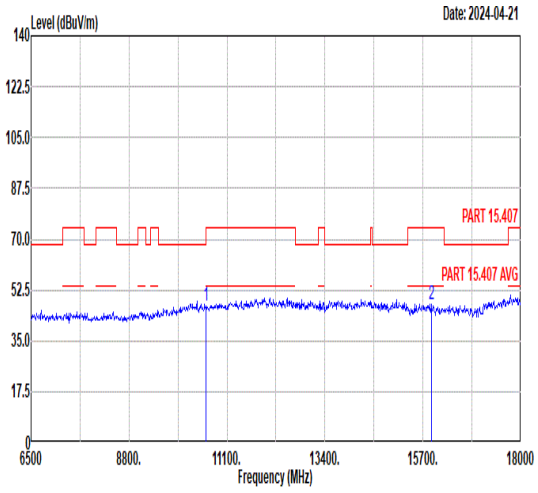
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
40	802.11a	157	-	-	-	-	-	-	-	Band Edge
40	802.11a	157	17355.00	48.69	68.30	-19.61	V	Peak	Pass	Harmonic
41	802.11a	165	-	-	-	-	-	-	-	Band Edge
41	802.11a	165	17475.00	47.27	68.30	-21.03	V	Peak	Pass	Harmonic
42	802.11ax HE20	149	5647.85	49.74	68.30	-18.56	V	PEAK	Pass	Band Edge
42	802.11ax HE20	149	17235.00	47.25	68.30	-21.05	V	Peak	Pass	Harmonic
43	802.11ax HE20	157	-	-	-	-	-	-	-	Band Edge
43	802.11ax HE20	157	17355.00	47.52	68.30	-20.78	H	Peak	Pass	Harmonic
44	802.11ax HE20	165	5949.00	51.03	68.30	-17.27	V	PEAK	Pass	Band Edge
44	802.11ax HE20	165	17475.00	48.64	68.30	-19.66	V	Peak	Pass	Harmonic
45	802.11ax HE40	151	5650.22	51.74	68.46	-16.72	V	PEAK	Pass	Band Edge
45	802.11ax HE40	151	-	-	-	-	-	-	-	Harmonic
46	802.11ax HE40	159	5927.06	60.72	68.30	-7.58	V	PEAK	Pass	Band Edge
46	802.11ax HE40	159	-	-	-	-	-	-	-	Harmonic
47	802.11ax HE80	155	5643.58	59.50	68.30	-8.80	H	PEAK	Pass	Band Edge
47	802.11ax HE80	155	17385.00	47.15	68.30	-21.15	V	PEAK	Pass	Harmonic
48	802.11ax HE20	149	5635.82	49.78	68.30	-18.52	H	PEAK	Pass	Band Edge
48	802.11ax HE20	149	-	-	-	-	-	-	-	Harmonic
49	802.11ax HE20	165	5942.50	50.70	68.30	-17.60	H	PEAK	Pass	Band Edge
49	802.11ax HE20	165	-	-	-	-	-	-	-	Harmonic
50	802.11ax HE20	36	948.59	31.41	46	-14.59	H	PEAK	Pass	LF
51	802.11ax HE20	149	948.59	31.66	46	-14.34	V	Peak	Pass	LF
52	Co-location	36	5148.46	50.56	54.00	-3.44	H	Average	Pass	Band Edge
52		36	10360.00	47.72	68.30	-20.58	H	Peak	Pass	Harmonic
53	Co-location	36	5147.42	50.46	54.00	-3.54	H	Average	Pass	Band Edge
53		36	10360.00	46.55	68.30	-21.75	H	Peak	Pass	Harmonic
54	802.11ax HE20	36	5149.94	49.98	54.00	-4.02	H	AVERAGE	Pass	Band Edge
54	802.11ax HE20	36	10360.00	48.08	68.30	-20.22	H	Peak	Pass	Harmonic
55	802.11ax HE40	159	5948.92	51.02	68.30	-17.28	H	PEAK	Pass	Band Edge
55	802.11ax HE40	159	17385.00	47.15	68.30	-21.15	V	Peak	Pass	Harmonic

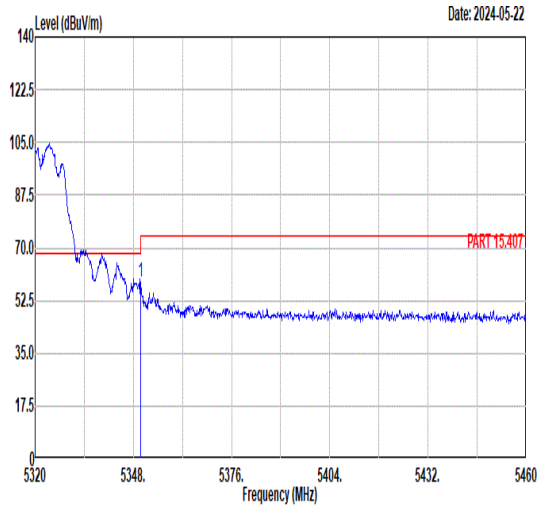
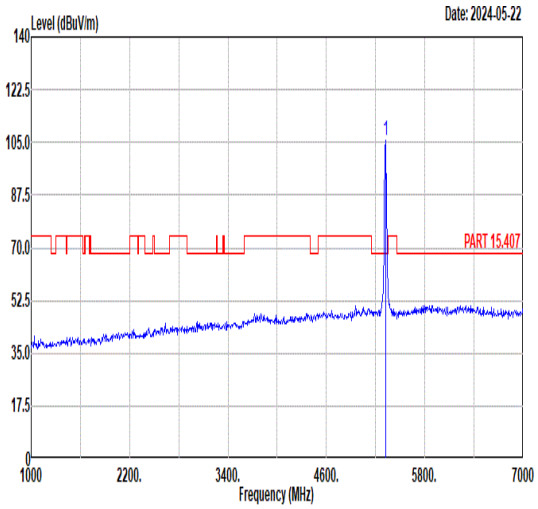
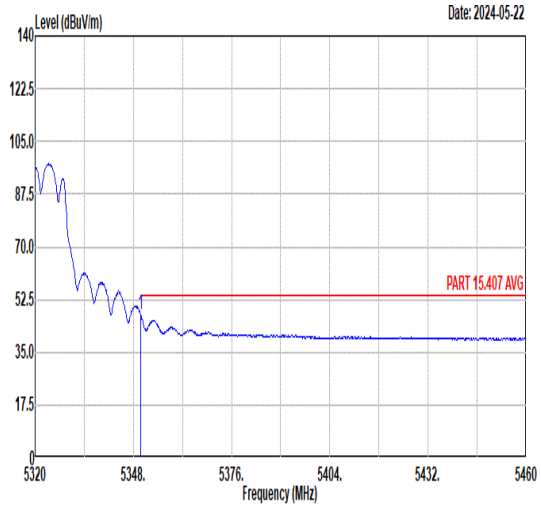
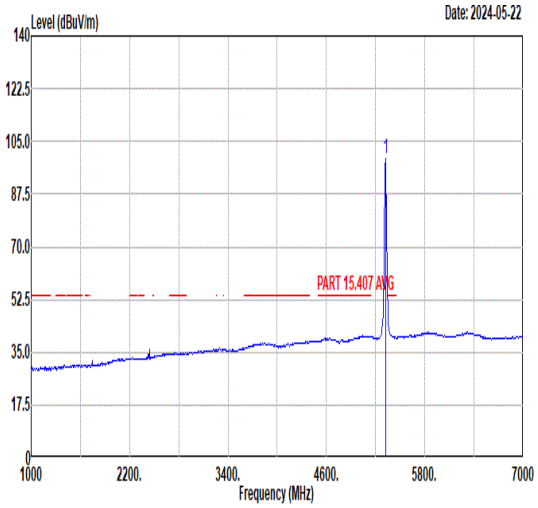
Mode	1	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH36_5180MHz	
ANT	8+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10360.00 47.65 68.30 -20.65 58.59 37.33 10.73 59.00 -- -- Peak 2 15540.00 45.61 74.00 -28.39 52.90 38.93 12.72 58.94 -- -- 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 48.35 68.30 -19.95 59.29 37.33 10.73 59.00 -- -- Peak 2 15540.00 46.10 74.00 -27.90 53.39 38.93 12.72 58.94 -- -- Peak

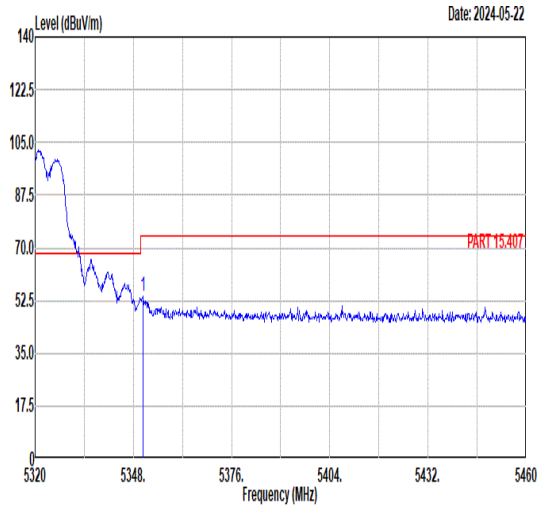
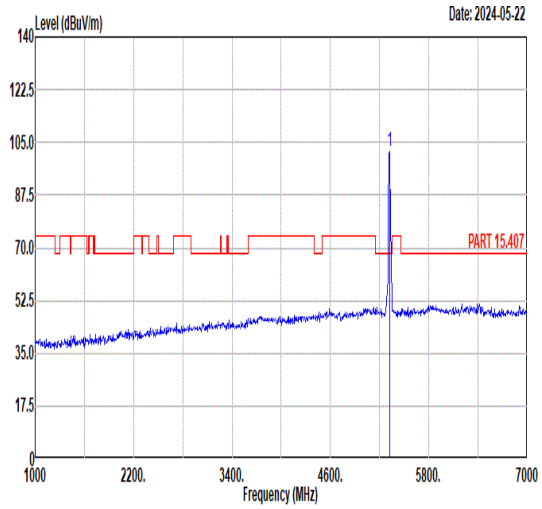
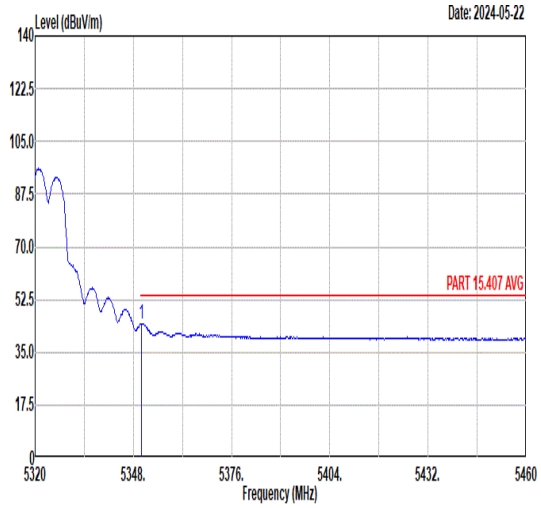
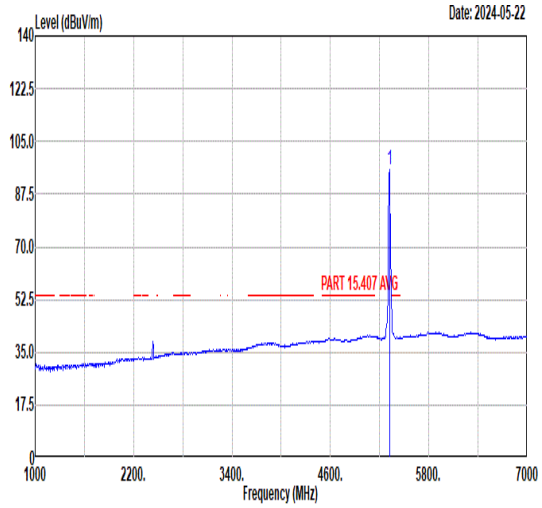
Mode	2	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	8+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10440.00 45.88 68.30 -22.42 56.57 37.43 10.79 58.91 -- -- Peak 2 15660.00 46.22 74.00 -27.78 53.53 39.03 12.72 59.06 -- -- 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 46.80 68.30 -21.50 57.49 37.43 10.79 58.91 -- -- Peak 2 15660.00 46.84 74.00 -27.16 54.15 39.03 12.72 59.06 -- -- Peak

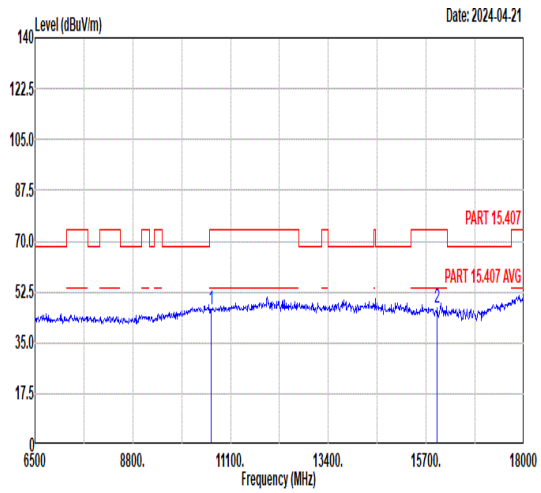
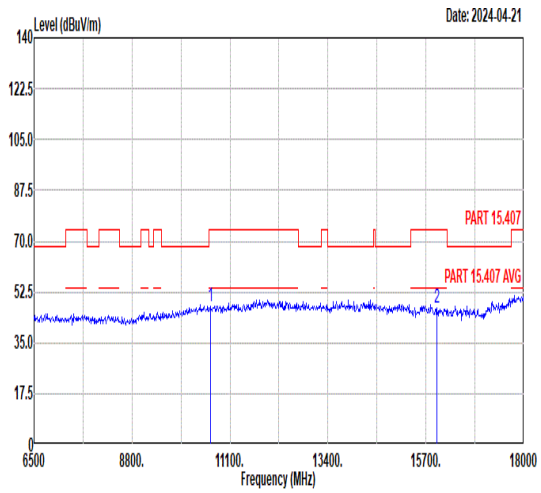
Mode	3	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	8+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10480.00 47.50 68.30 -20.80 58.08 37.47 10.82 58.87 -- -- Peak 2 15720.00 46.62 74.00 -27.38 53.95 39.08 12.71 59.12 -- -- 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 47.49 68.30 -20.81 58.07 37.47 10.82 58.87 -- -- Peak 2 15720.00 46.68 74.00 -27.32 54.01 39.08 12.71 59.12 -- -- Peak

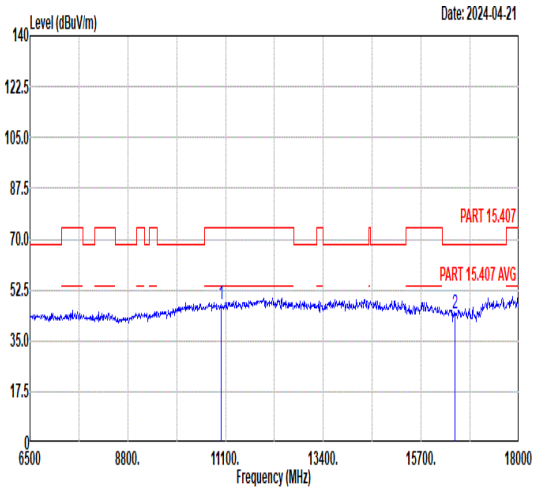
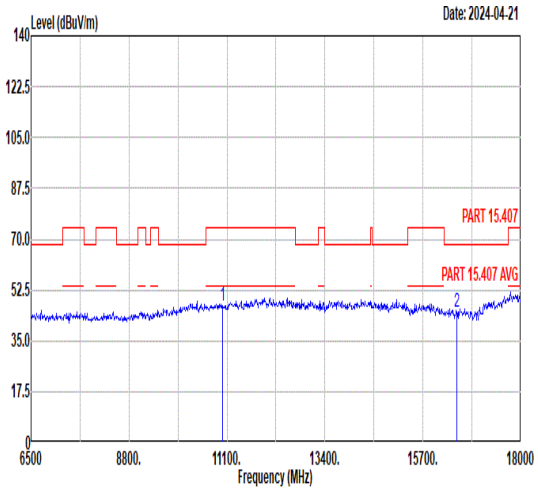
Mode	4	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11a_CH52_5280MHz	
ANT	8+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10520.00 47.08 68.30 -21.22 57.55 37.50 10.85 58.82 -- -- Peak 2 15780.00 47.21 74.00 -26.79 54.55 39.13 12.71 59.18 -- -- 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 46.16 68.30 -22.14 56.63 37.50 10.85 58.82 -- -- Peak 2 15780.00 46.26 74.00 -27.74 53.60 39.13 12.71 59.18 -- -- Peak

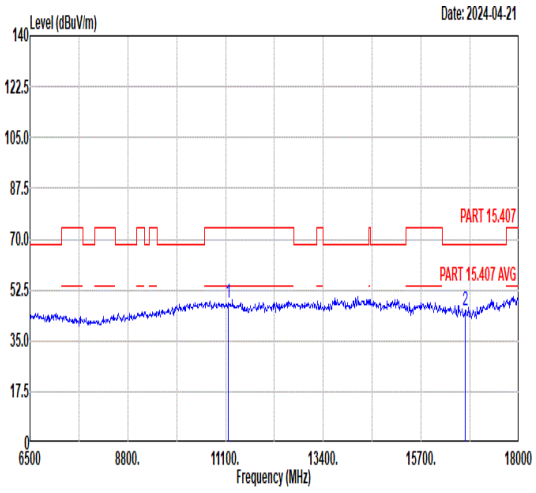
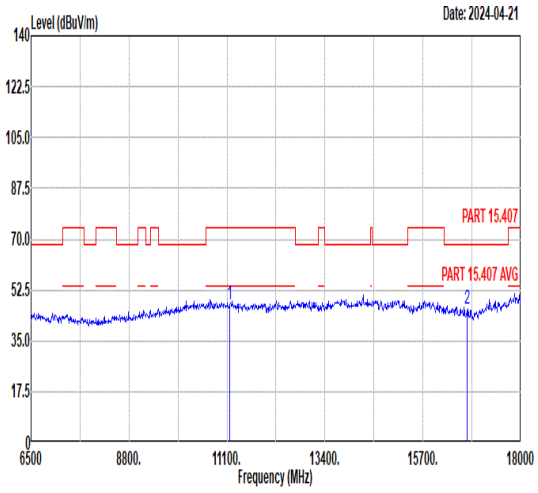
Mode	5	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11a_CH60_5300MHz	
ANT	8+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10600.00 46.31 74.00 -27.69 56.61 37.52 10.91 58.73 -- -- Peak 2 15900.00 46.09 74.00 -27.91 53.46 39.22 12.71 59.30 -- -- 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 46.81 74.00 -27.19 57.11 37.52 10.91 58.73 -- -- Peak 2 15900.00 47.43 74.00 -26.57 54.80 39.22 12.71 59.30 -- -- Peak

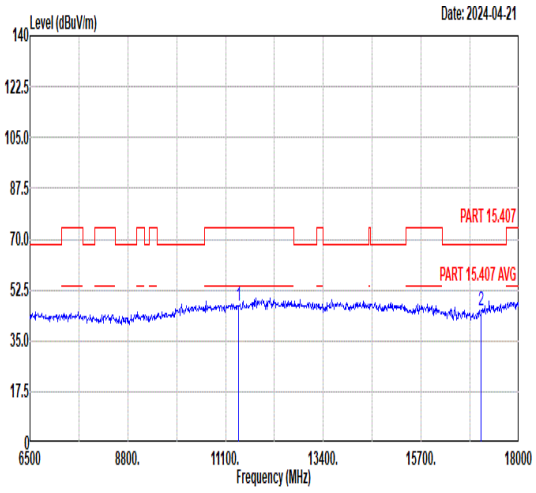
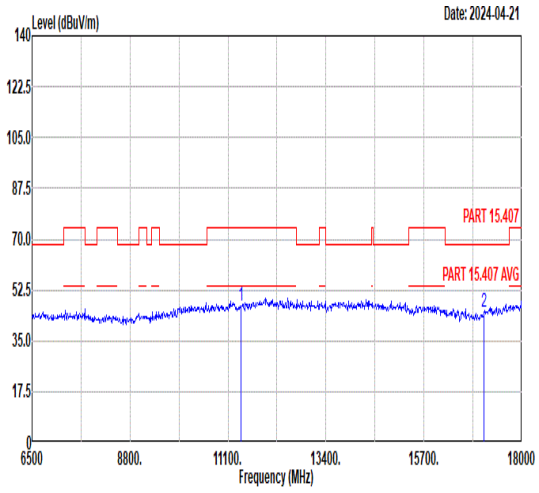
Mode	6	
	Band Edge	
	U-NII-2A_5.25-5.35_802.11a_CH64_5320MHz	
ANT	8+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5350.10 58.80 74.00 -15.20 48.25 34.78 8.33 32.56 100 55 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 5320.00 105.52 ------ ------ 95.09 34.75 8.25 32.57 100 55 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 5350.10 47.45 54.00 -6.55 36.90 34.78 8.33 32.56 100 55 AVERAGE	 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 5320.00 99.44 ------ ------ 89.01 34.75 8.25 32.57 100 55 AVERAGE

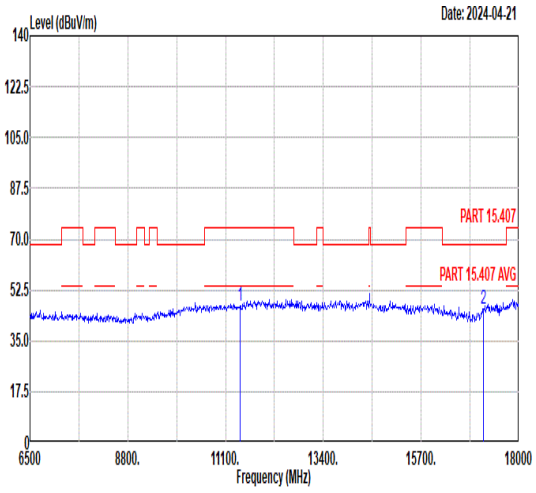
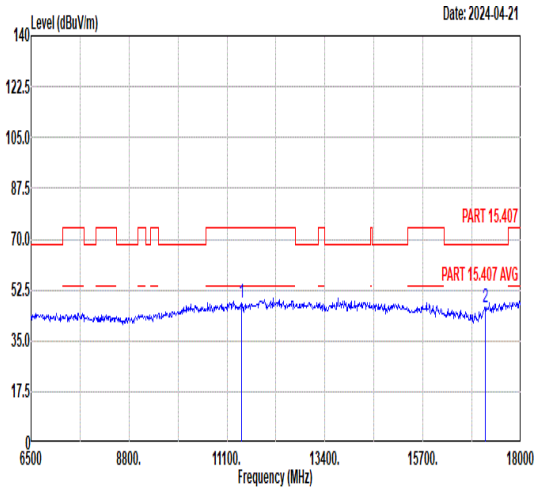
Mode	6	
	Band Edge	
	U-NII-2A_5.25-5.35_802.11a_CH64_5320MHz	
ANT	8+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5350.80 54.06 74.00 -19.94 43.51 34.78 8.33 32.56 100 76 PEAK	 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 5320.00 101.98 ------ ------ 91.55 34.75 8.25 32.57 100 76 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 5350.38 44.48 54.00 -9.52 33.93 34.78 8.33 32.56 100 76 AVERAGE	 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 5320.00 95.74 ------ ------ 85.31 34.75 8.25 32.57 100 76 AVERAGE

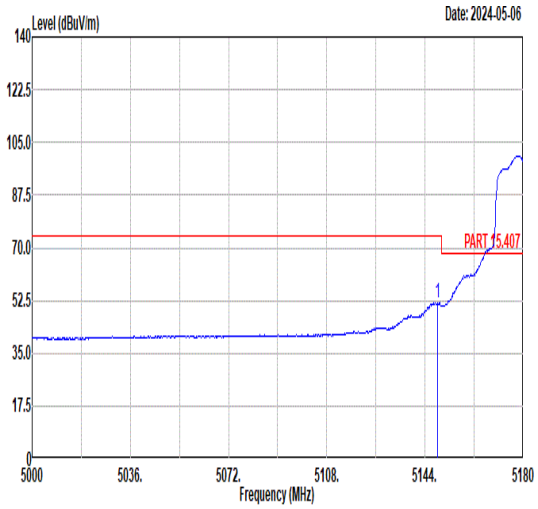
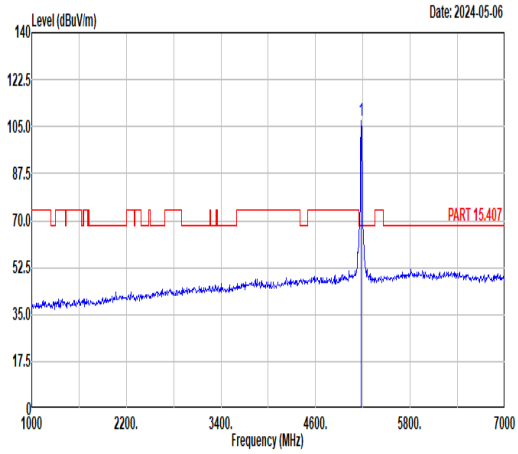
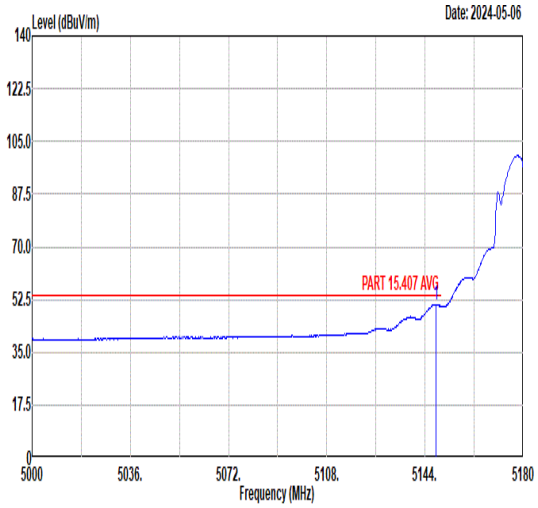
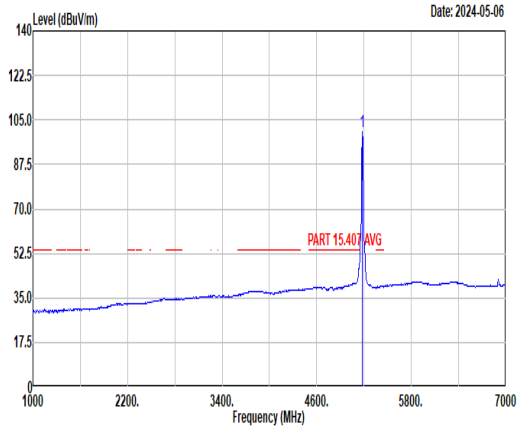
Mode	6	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11a_CH64_5320MHz	
ANT	8+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10640.00 46.67 74.00 -27.33 56.89 37.53 10.94 58.69 -- -- Peak 2 15960.00 46.93 74.00 -27.07 54.33 39.27 12.70 59.37 -- -- 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 47.44 74.00 -26.56 57.66 37.53 10.94 58.69 -- -- Peak 2 15960.00 47.11 74.00 -26.89 54.51 39.27 12.70 59.37 -- -- Peak

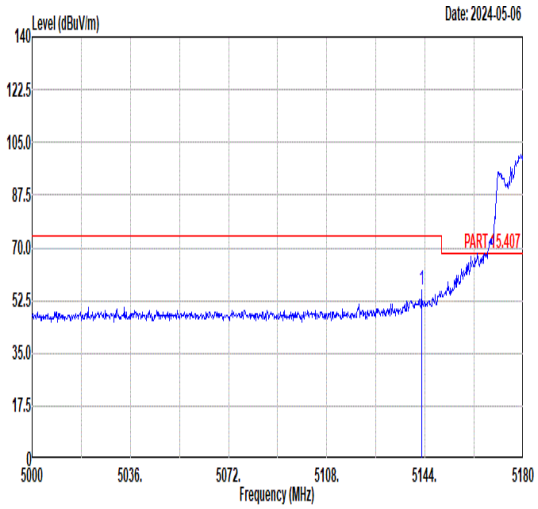
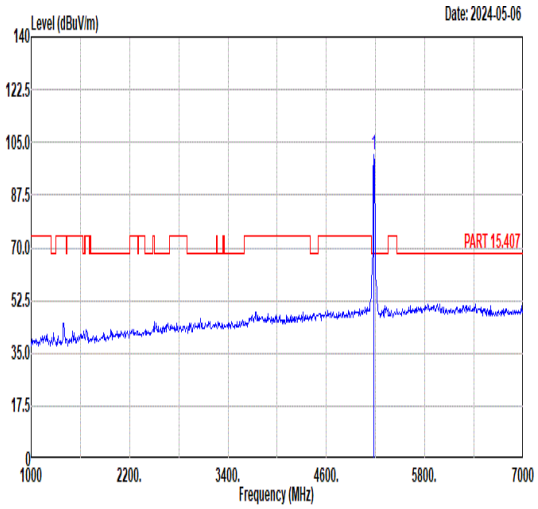
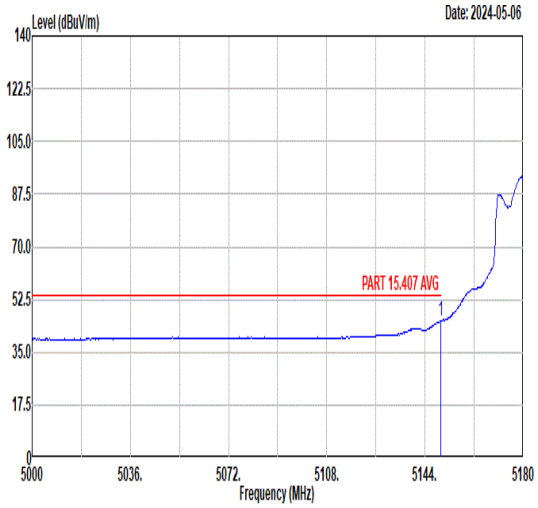
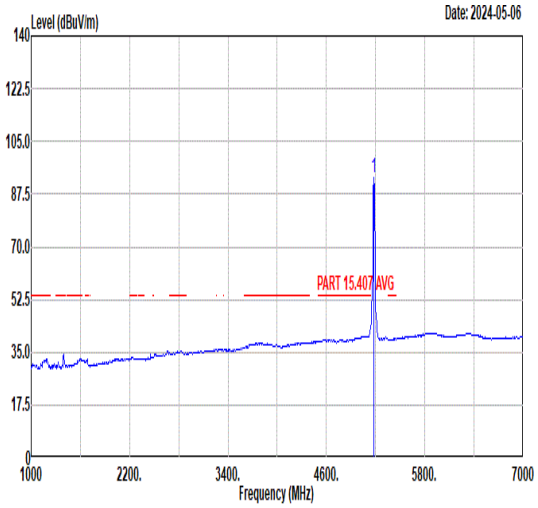
Mode	7	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11a_CH100_5500MHz	
ANT	8+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11000.00 47.76 74.00 -26.24 57.25 37.60 11.21 58.30 -- -- Peak 2 16500.00 44.50 68.30 -23.80 50.94 39.50 12.91 58.85 -- -- 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 47.14 74.00 -26.86 56.63 37.60 11.21 58.30 -- -- Peak 2 16500.00 44.82 68.30 -23.48 51.26 39.50 12.91 58.85 -- -- Peak

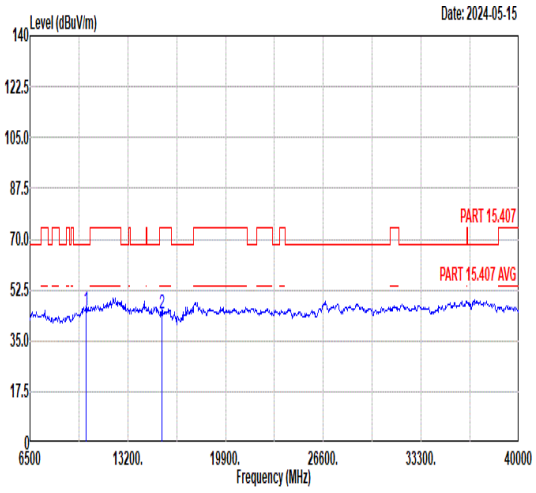
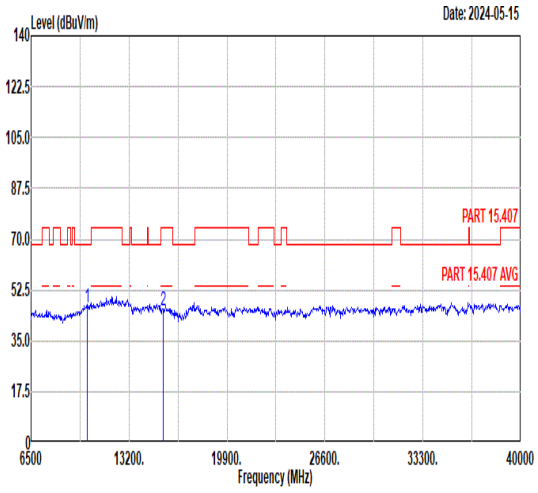
Mode	8	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11a_CH116_5580MHz	
ANT	8+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11160.00 48.06 74.00 -25.94 57.23 37.66 11.29 58.12 -- -- Peak 2 16740.00 45.35 68.30 -22.95 51.23 39.69 13.01 58.58 -- -- 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 11160.00 47.60 74.00 -26.40 56.77 37.66 11.29 58.12 -- -- Peak 2 16740.00 46.20 68.30 -22.10 52.08 39.69 13.01 58.58 -- -- Peak

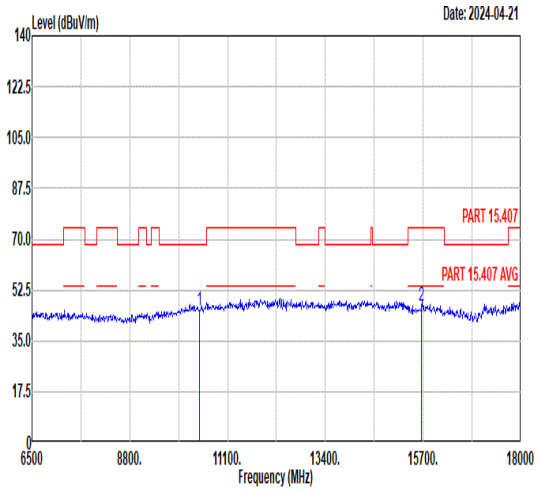
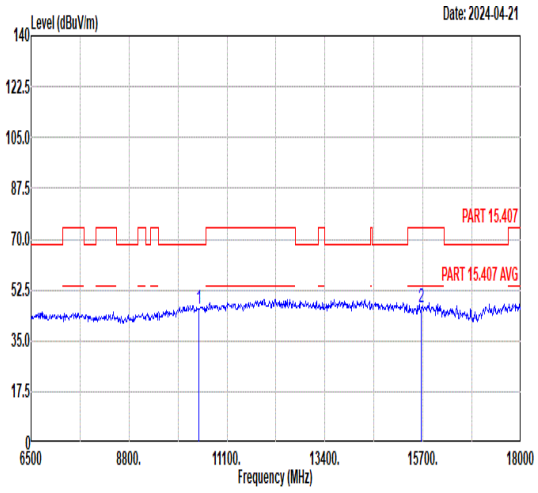
Mode	9	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11a_CH140_5700MHz	
ANT	8+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11400.00 46.88 74.00 -27.12 55.57 37.76 11.41 57.86 -- -- Peak 2 17100.00 45.25 68.30 -23.05 50.21 40.06 13.14 58.16 -- -- 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 47.07 74.00 -26.93 55.76 37.76 11.41 57.86 -- -- Peak 2 17100.00 45.14 68.30 -23.16 50.10 40.06 13.14 58.16 -- -- Peak

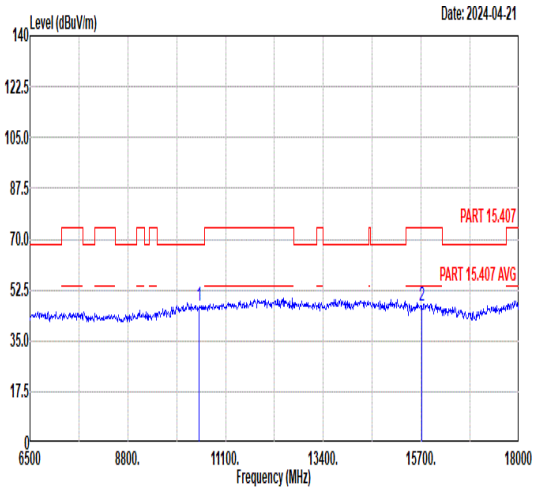
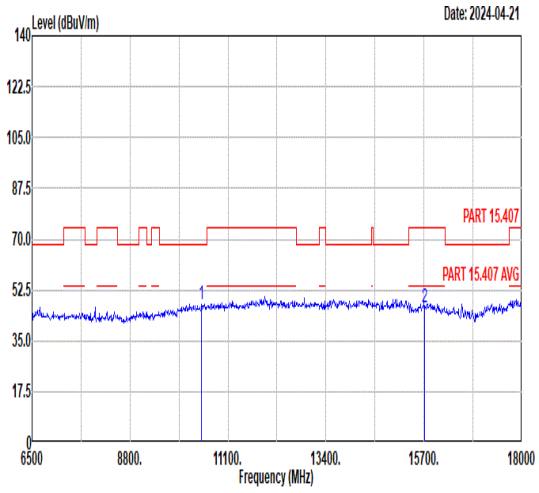
Mode	10	
	Harmonic	
	U-NII-2C_5.47-5.85_802.11a_CH144_5720MHz	
ANT	8+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11440.00 47.22 74.00 -26.78 55.84 37.77 11.42 57.81 -- -- Peak 2 17160.00 45.71 68.30 -22.59 50.46 40.16 13.16 58.07 -- -- 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 11440.00 47.87 74.00 -26.13 56.49 37.77 11.42 57.81 -- -- Peak 2 17160.00 46.63 68.30 -21.67 51.38 40.16 13.16 58.07 -- -- Peak

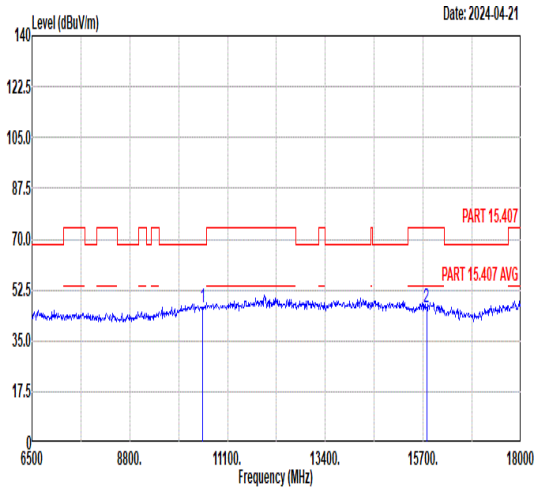
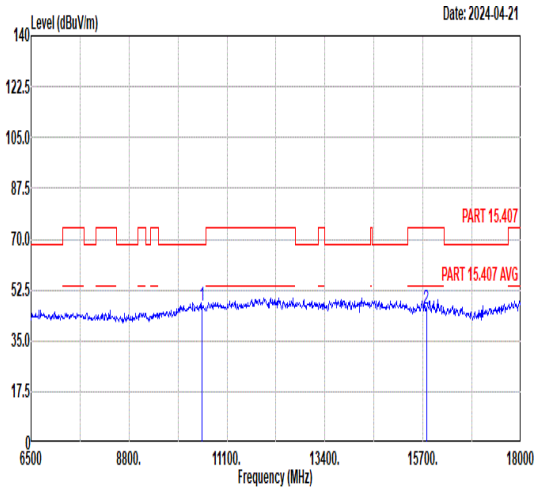
Mode	11	
	Band Edge	
	U-NII-1_5.15-5.25_802.11ax HE20_CH36_Full RU_5180MHz	
ANT	8+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5148.50 51.98 74.00 -22.02 42.08 34.62 7.92 32.64 100 62 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 5180.00 107.28 68.30 38.98 97.33 34.64 7.94 32.63 100 62 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 5148.14 50.90 54.00 -3.10 41.00 34.62 7.92 32.64 100 62 AVERAGE	 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 5180.00 100.15 ------ ------ 90.20 34.64 7.94 32.63 100 62 AVERAGE

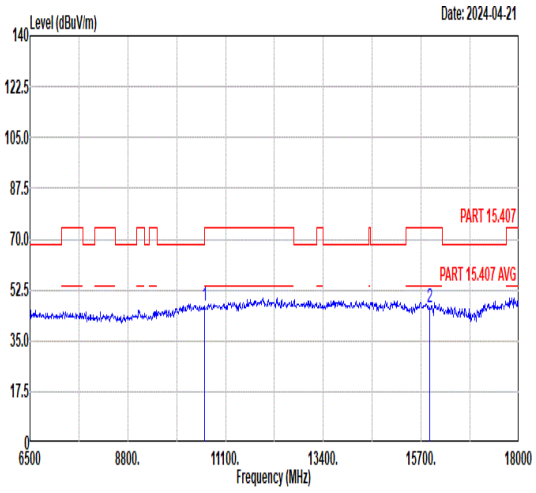
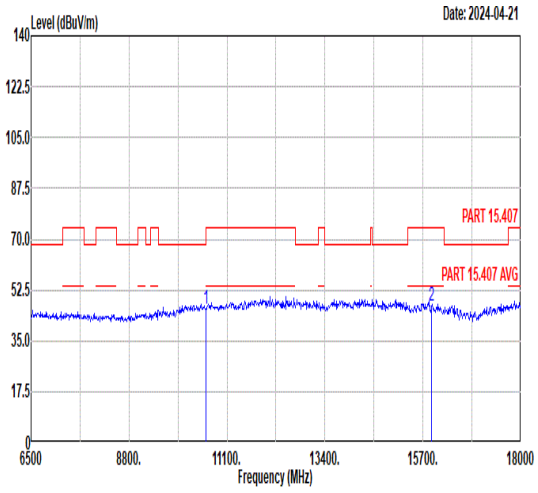
Mode	11	
	Band Edge	
	U-NII-1_5.15-5.25_802.11ax HE20_CH36_Full RU_5180MHz	
ANT	8+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5142.74 56.04 74.00 -17.96 46.15 34.62 7.91 32.64 100 247 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 5180.00 100.93 ------ ------ 90.97 34.65 7.94 32.63 100 247 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 5149.76 45.32 54.00 -8.68 35.42 34.62 7.92 32.64 100 247 AVERAGE	 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 5180.00 93.24 ------ ------ 83.28 34.65 7.94 32.63 100 247 AVERAGE

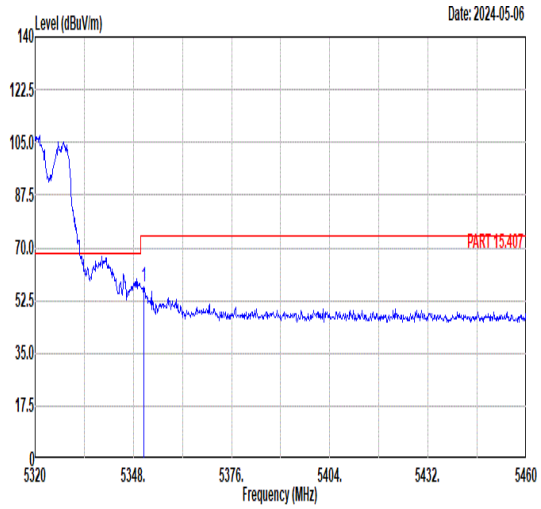
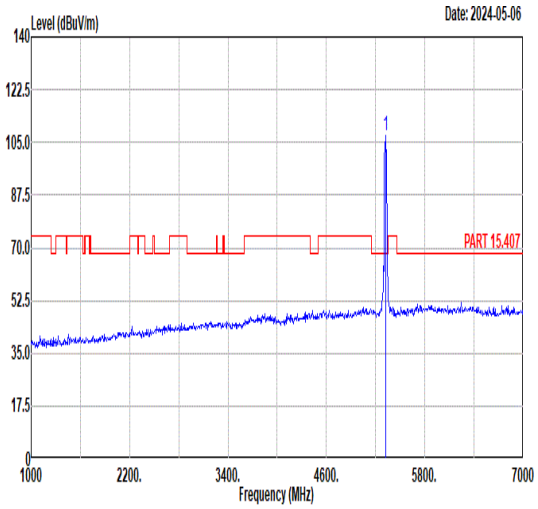
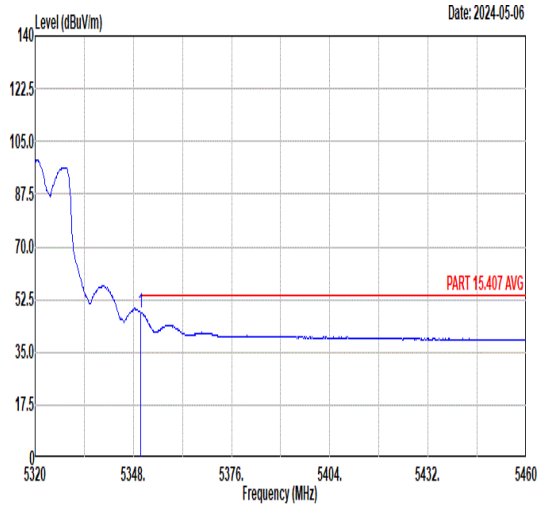
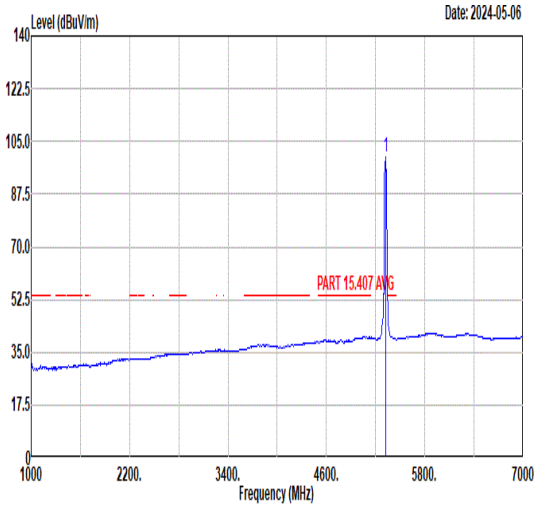
Mode	11	
	Harmonic	
	U-NII-1_5.15-5.25_802.11ax HE20_CH36_Full RU_5180MHz	
ANT	8+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10360.00 45.68 68.30 -22.62 56.62 37.33 10.73 59.00 -- -- Peak 2 15540.00 44.40 74.00 -29.60 51.69 38.93 12.72 58.94 -- -- 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 46.60 68.30 -21.70 57.54 37.33 10.73 59.00 -- -- Peak 2 15540.00 45.47 74.00 -28.53 52.76 38.93 12.72 58.94 -- -- Peak

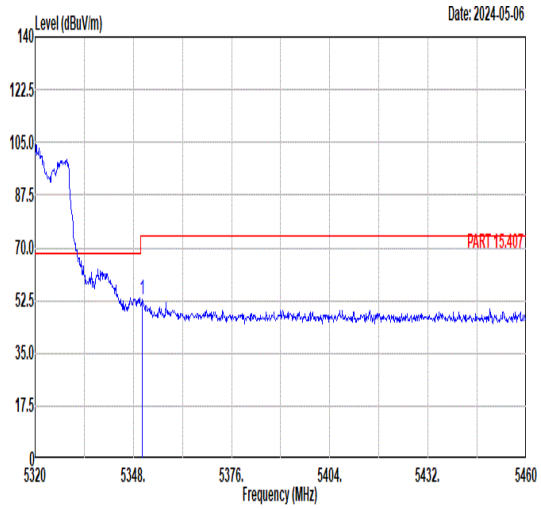
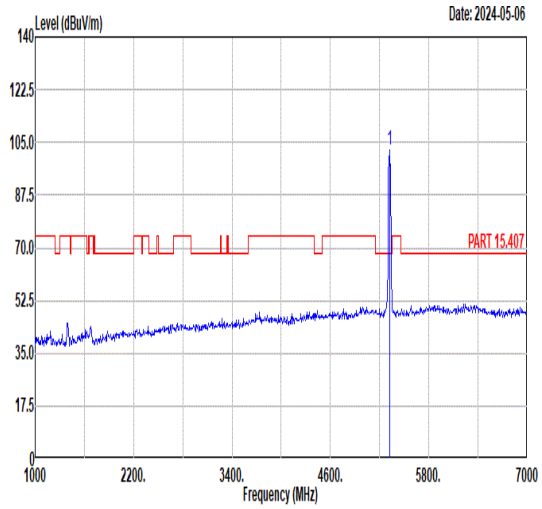
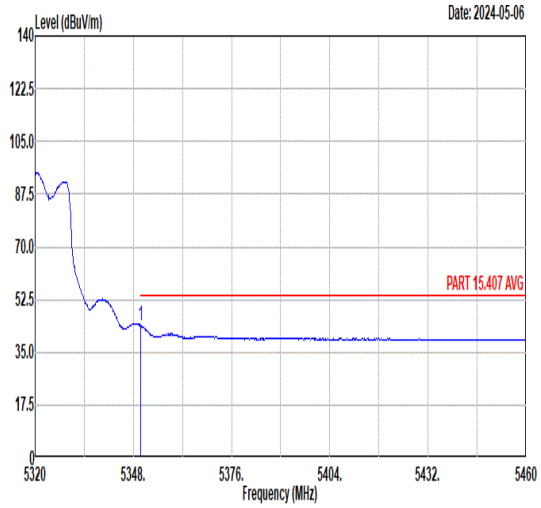
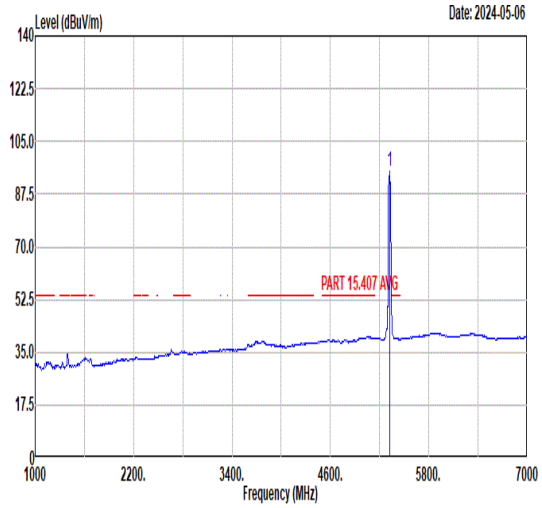
Mode	12	
	Harmonic	
	U-NII-1_5.15-5.25_802.11ax HE20_CH44_Full RU_5220MHz	
ANT	8+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10440.00 45.55 68.30 -22.75 56.24 37.43 10.79 58.91 -- -- Peak 2 15660.00 46.78 74.00 -27.22 54.09 39.03 12.72 59.06 -- -- 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 46.20 68.30 -22.10 56.89 37.43 10.79 58.91 -- -- Peak 2 15660.00 46.57 74.00 -27.43 53.88 39.03 12.72 59.06 -- -- Peak

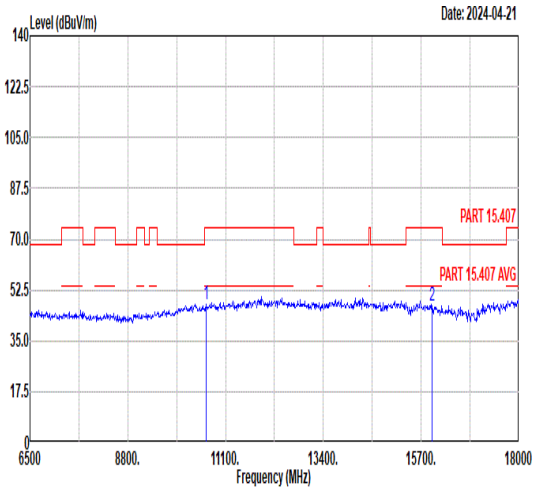
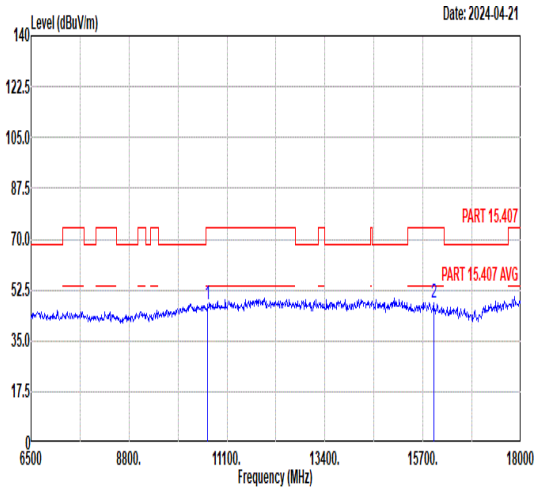
Mode	13	
	Harmonic	
	U-NII-1_5.15-5.25_802.11ax HE20_CH48_Full RU_5240MHz	
ANT	8+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10480.00 46.91 68.30 -21.39 57.49 37.47 10.82 58.87 -- -- Peak 2 15720.00 46.93 74.00 -27.07 54.26 39.08 12.71 59.12 -- -- 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 47.31 68.30 -20.99 57.89 37.47 10.82 58.87 -- -- Peak 2 15720.00 46.57 74.00 -27.43 53.90 39.08 12.71 59.12 -- -- Peak

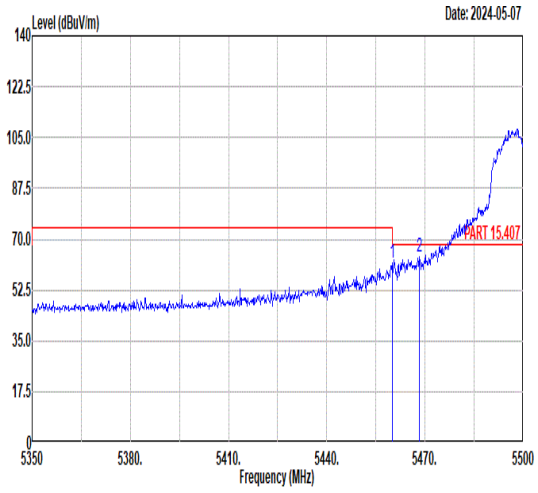
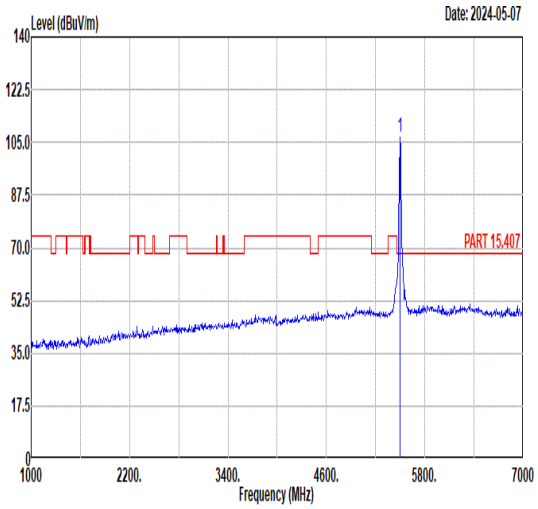
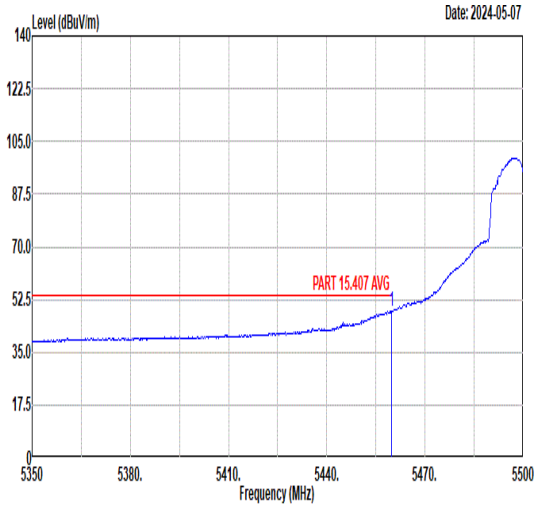
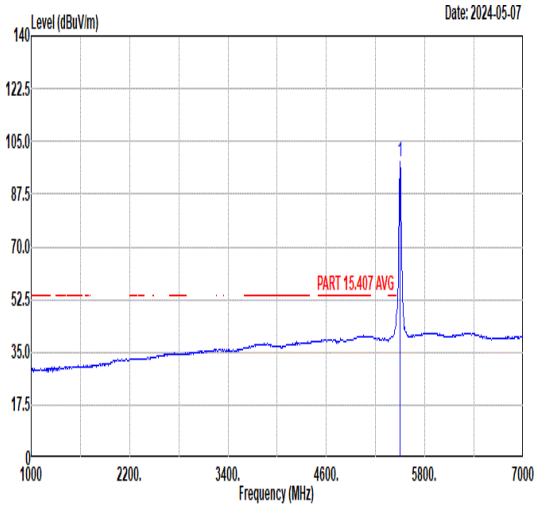
Mode	14	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11ax HE20_CH52_Full RU_5280MHz	
ANT	8+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10520.00 46.47 68.30 -21.83 56.94 37.50 10.85 58.82 -- -- Peak 2 15780.00 46.67 74.00 -27.33 54.01 39.13 12.71 59.18 -- -- 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 47.11 68.30 -21.19 57.58 37.50 10.85 58.82 -- -- Peak 2 15780.00 45.90 74.00 -28.10 53.24 39.13 12.71 59.18 -- -- Peak

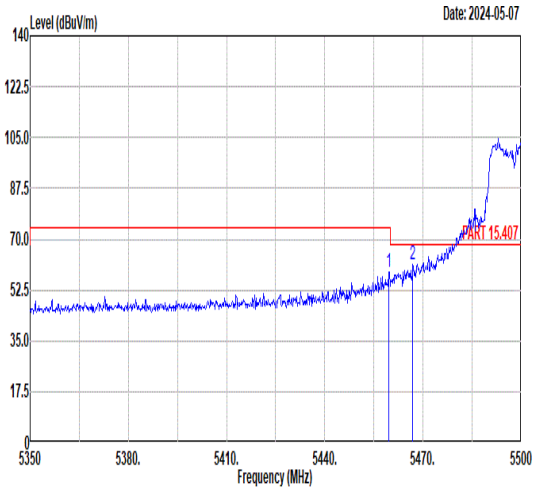
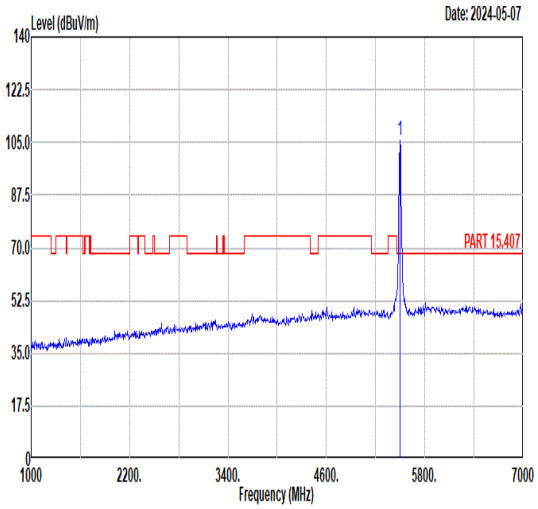
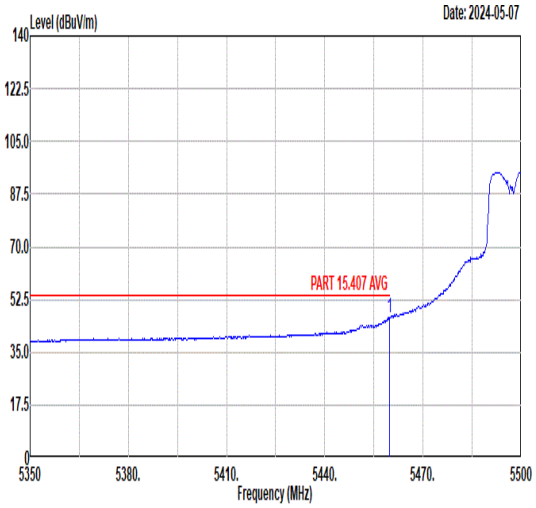
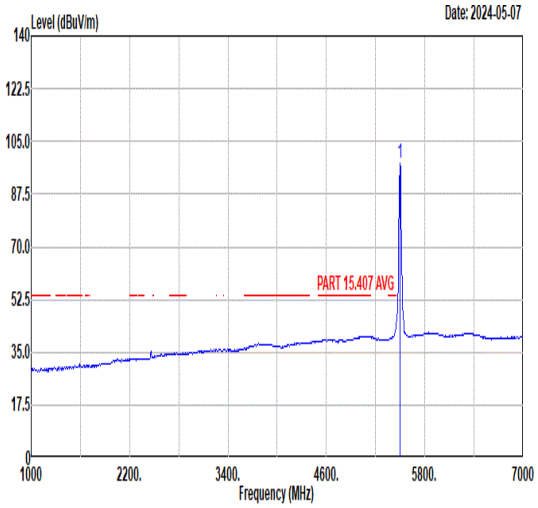
Mode	15	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11ax HE20_CH60_Full RU_5300MHz	
ANT	8+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10600.00 47.20 74.00 -26.80 57.50 37.52 10.91 58.73 -- -- Peak 2 15900.00 46.60 74.00 -27.40 53.97 39.22 12.71 59.30 -- -- 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 46.05 74.00 -27.95 56.35 37.52 10.91 58.73 -- -- Peak 2 15900.00 47.06 74.00 -26.94 54.43 39.22 12.71 59.30 -- -- Peak

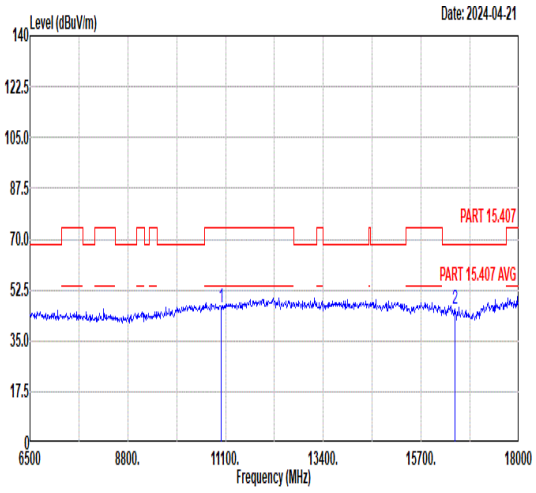
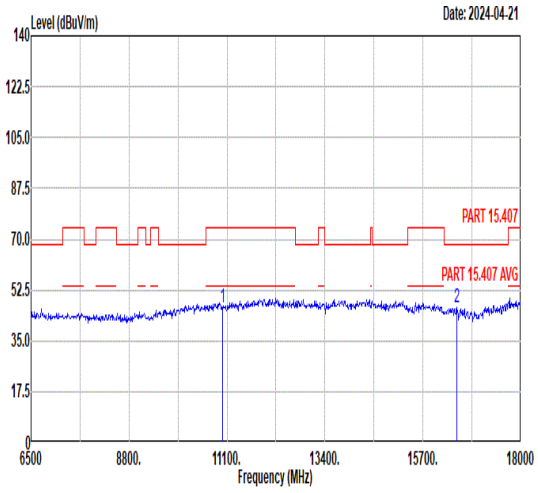
Mode	16	
	Band Edge	
	U-NII-2A_5.25-5.35_802.11ax HE20_CH64_Full RU_5320MHz	
ANT	8+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5351.08 57.14 74.00 -16.86 46.59 34.78 8.33 32.56 102 47 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 5320.00 107.20 ------ ------ 96.77 34.75 8.25 32.57 102 47 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 5350.10 48.33 54.00 -5.67 37.78 34.78 8.33 32.56 102 47 AVERAGE	 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 5320.00 99.79 ------ ------ 89.36 34.75 8.25 32.57 102 47 AVERAGE

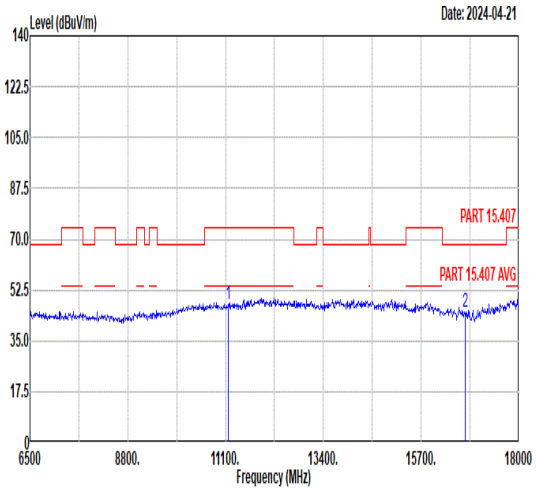
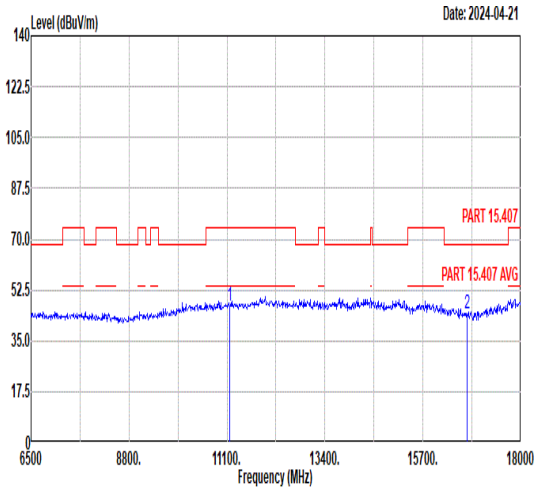
Mode	16	
	Band Edge	
	U-NII-2A_5.25-5.35_802.11ax HE20_CH64_Full RU_5320MHz	
ANT	8+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5350.52 52.78 74.00 -21.22 42.23 34.78 8.33 32.56 100 245 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 5320.00 102.56 ------ ------ 92.13 34.75 8.25 32.57 100 245 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 5350.10 43.81 54.00 -10.19 33.26 34.78 8.33 32.56 100 245 AVERAGE	 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 5320.00 95.33 ------ ------ 84.90 34.75 8.25 32.57 100 245 AVERAGE

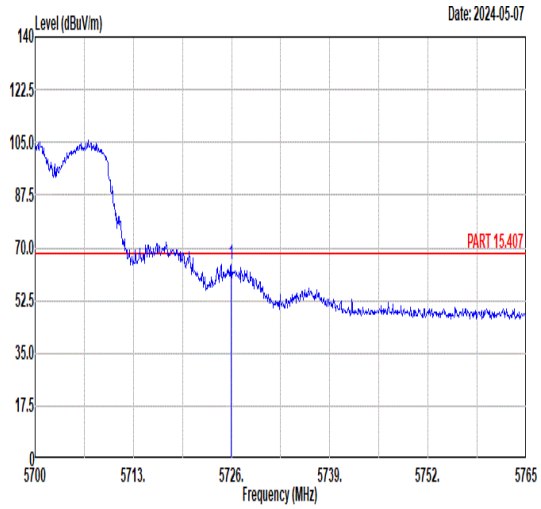
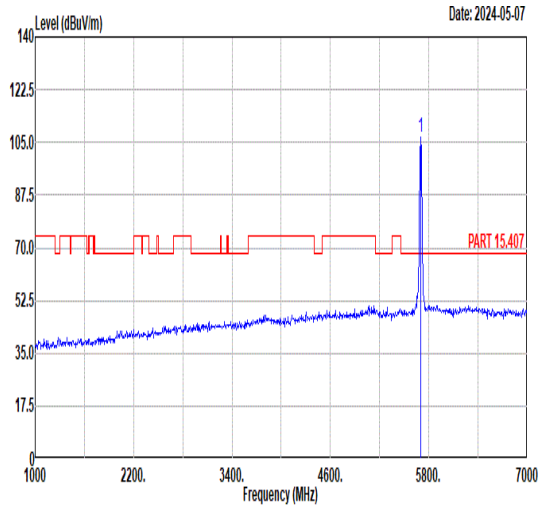
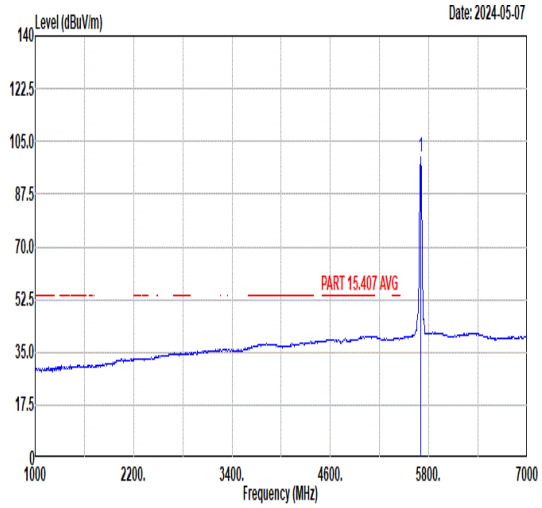
Mode	16	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11ax HE20_CH64_Full RU_5320MHz	
ANT	8+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 10640.00 47.55 74.00 -26.45 57.77 37.53 10.94 58.69 -- -- Peak 2 15960.00 46.83 74.00 -27.17 54.23 39.27 12.70 59.37 -- -- 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 47.53 74.00 -26.47 57.75 37.53 10.94 58.69 -- -- Peak 2 15960.00 47.82 74.00 -26.18 55.22 39.27 12.70 59.37 -- -- Peak

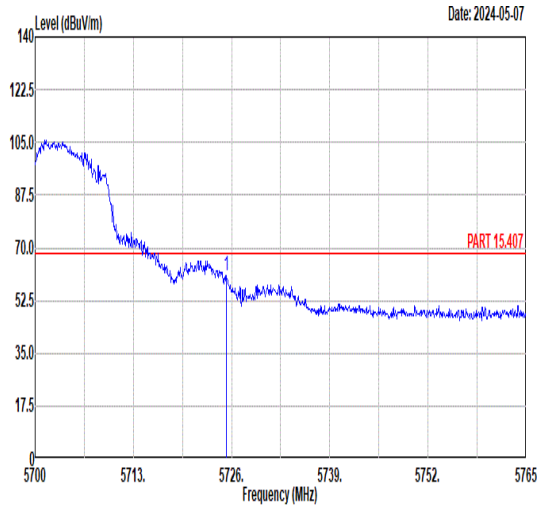
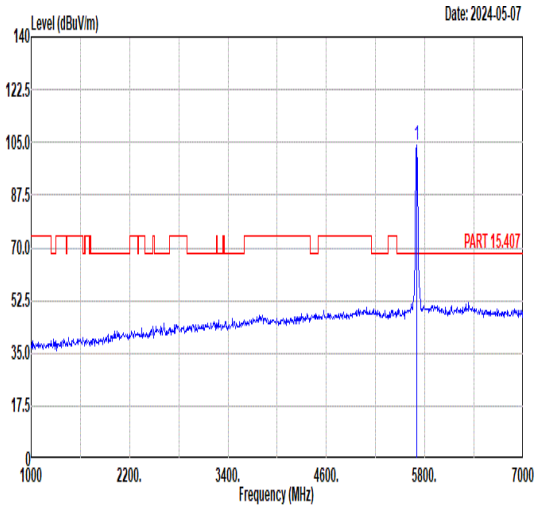
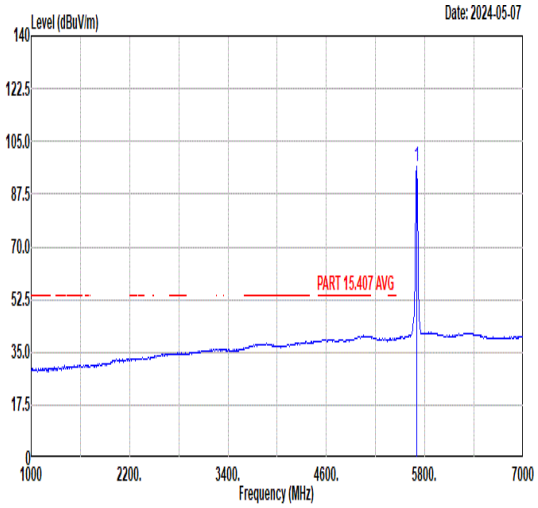
Mode	17	
	Band Edge	
	U-NII-2C_5.47-5.725_802.11ax HE20_CH100_Full RU_5500MHz	
ANT	8+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5459.95 61.69 74.00 -12.31 50.93 34.86 8.41 32.51 100 306 PEAK 2 5468.35 63.79 68.30 -4.51 53.03 34.87 8.40 32.51 100 306 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 5500.00 106.79 ------ ------ 96.03 34.90 8.36 32.50 100 306 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 5459.80 48.63 54.00 -5.37 37.87 34.86 8.41 32.51 100 306 AVERAGE	 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 5500.00 98.01 ------ ------ 87.26 34.89 8.36 32.50 100 306 AVERAGE

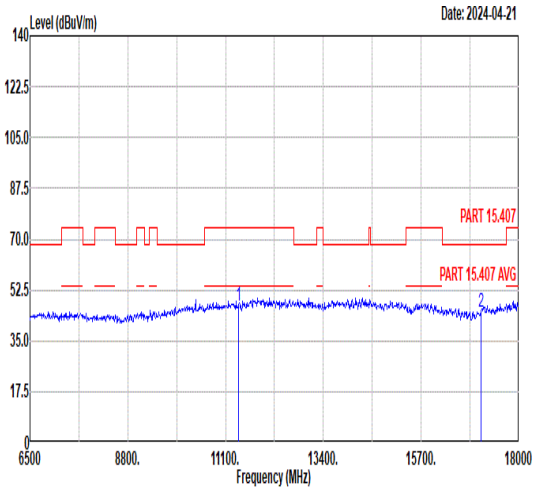
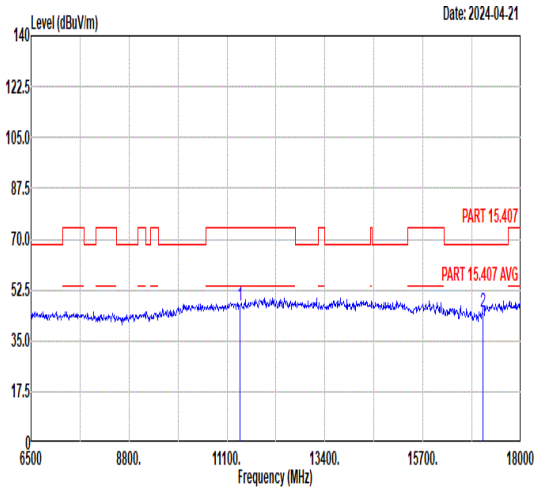
Mode	17	
	Band Edge	
	U-NII-2C_5.47-5.725_802.11ax HE20_CH100_Full RU_5500MHz	
ANT	8+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5459.65 58.73 74.00 -15.27 47.97 34.86 8.41 32.51 100 80 PEAK 2 5466.85 61.47 68.30 -6.83 50.71 34.87 8.40 32.51 100 80 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 5500.00 105.83 ------ ------ 95.07 34.90 8.36 32.50 100 80 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 5459.80 46.71 54.00 -7.29 35.95 34.86 8.41 32.51 100 80 AVERAGE	 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 5500.00 97.86 ------ ------ 87.10 34.90 8.36 32.50 100 80 AVERAGE

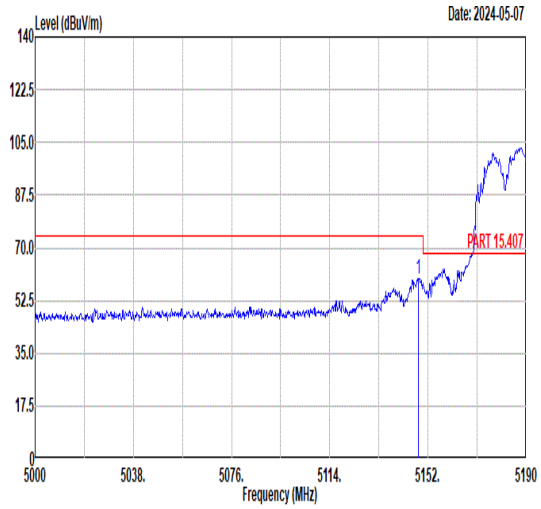
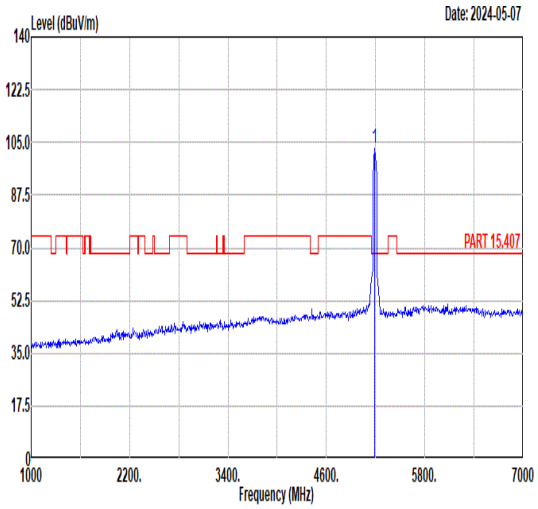
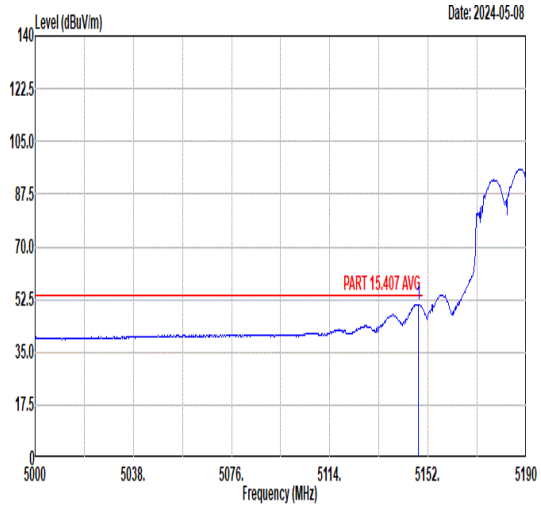
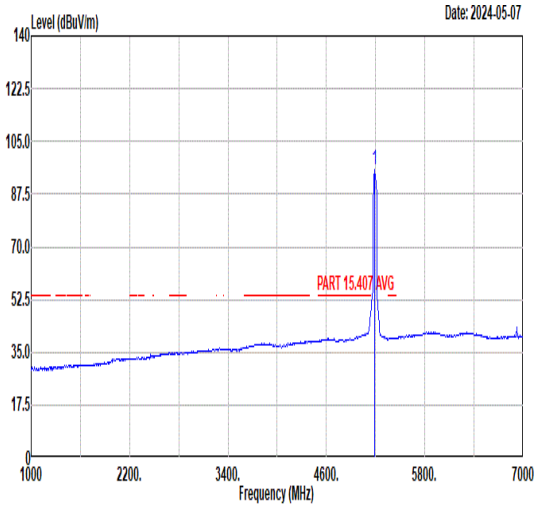
Mode	17	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11ax HE20_CH100_Full RU_5500MHz	
ANT	8+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11000.00 46.41 74.00 -27.59 55.90 37.60 11.21 58.30 -- -- Peak 2 16500.00 45.96 68.30 -22.34 52.40 39.50 12.91 58.85 -- -- 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 46.70 74.00 -27.30 56.19 37.60 11.21 58.30 -- -- Peak 2 16500.00 46.33 68.30 -21.97 52.77 39.50 12.91 58.85 -- -- Peak

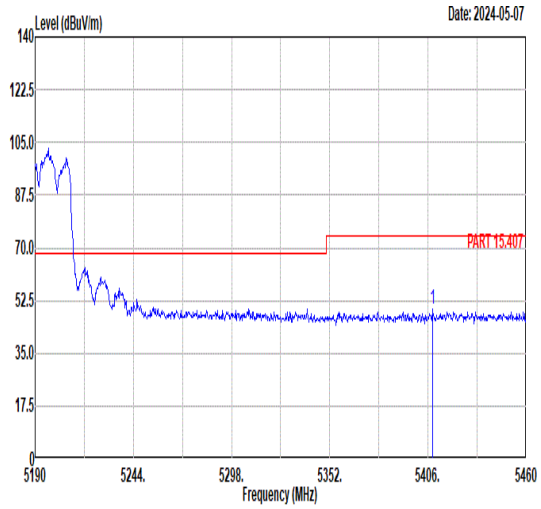
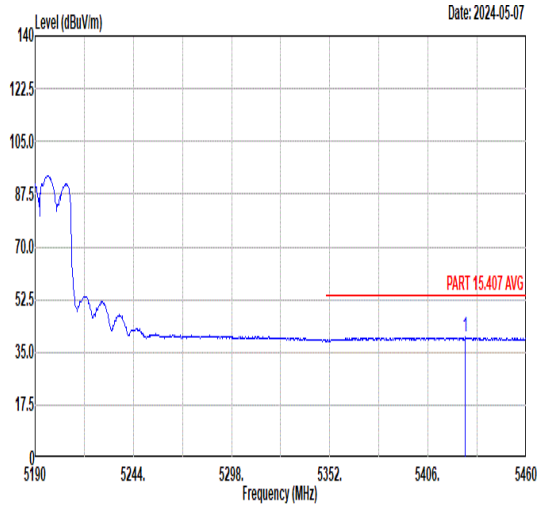
Mode	18	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11ax HE20_CH116_Full RU_5580MHz	
ANT	8+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11160.00 47.64 74.00 -26.36 56.81 37.66 11.29 58.12 -- -- Peak 2 16740.00 44.80 68.30 -23.50 50.68 39.69 13.01 58.58 -- -- 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 11160.00 46.88 74.00 -27.12 56.05 37.66 11.29 58.12 -- -- Peak 2 16740.00 44.53 68.30 -23.77 50.41 39.69 13.01 58.58 -- -- Peak

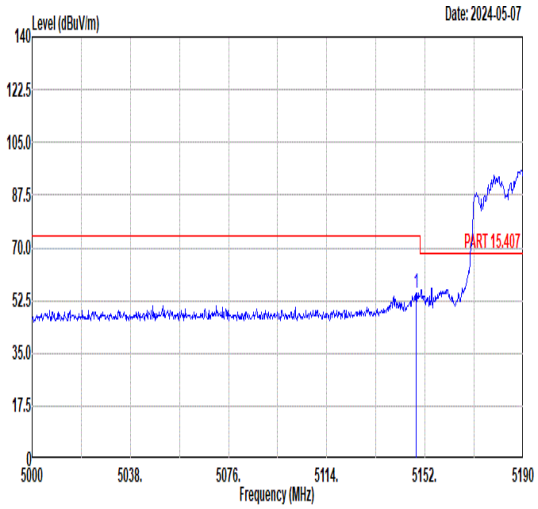
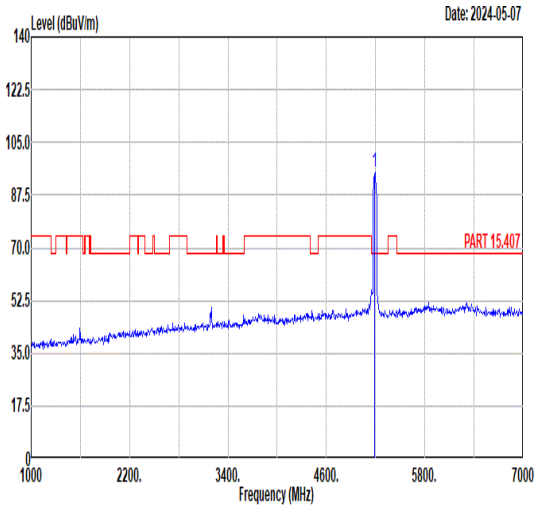
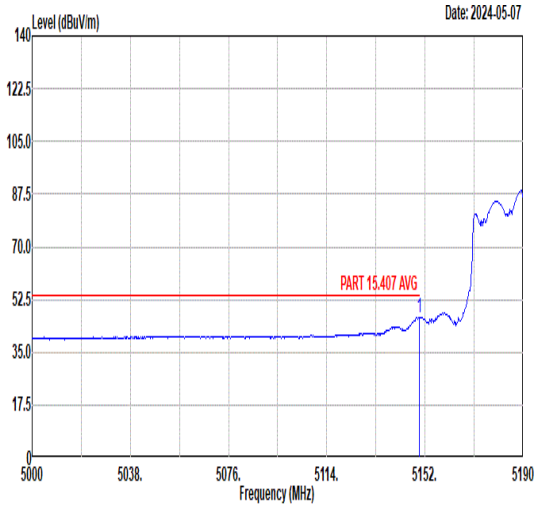
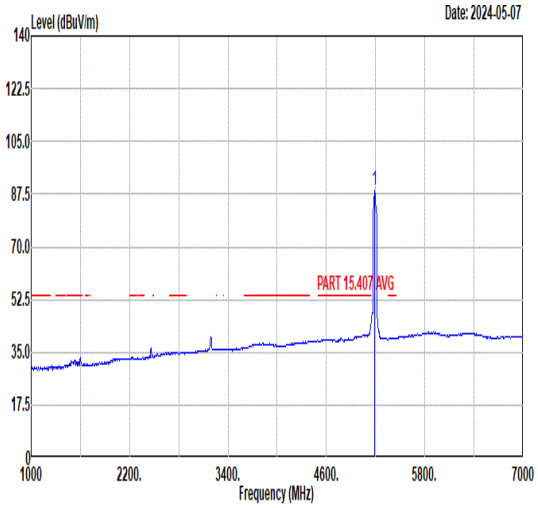
Mode	19	
	Band Edge	
	U-NII-2C_5.47-5.725_802.11ax HE20_CH140_Full RU_5700MHz	
ANT	8+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5725.94 64.65 68.30 -3.65 53.44 35.03 8.68 32.50 100 304 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 5700.00 106.89 ------ ------ 95.80 35.02 8.57 32.50 100 304 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 99.60 ------ ------ 88.51 35.02 8.57 32.50 100 304 AVERAGE

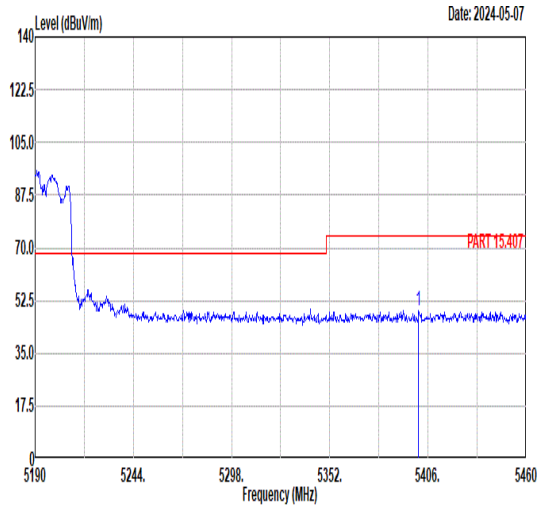
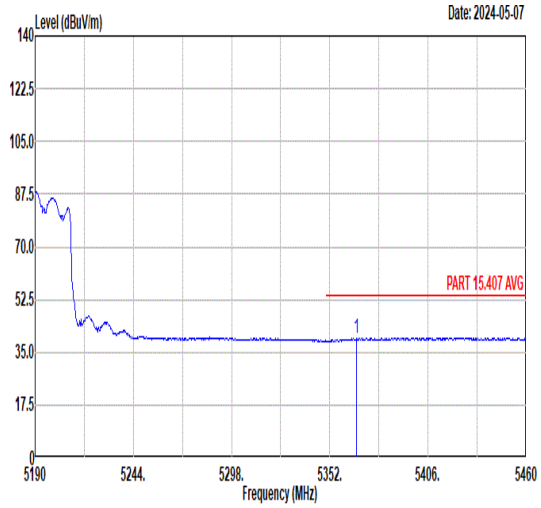
Mode	19	
	Band Edge	
	U-NII-2C_5.47-5.725_802.11ax HE20_CH140_Full RU_5700MHz	
ANT	8+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5725.35 60.67 68.30 -7.63 49.46 35.03 8.68 32.50 100 90 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 5700.00 104.34 ------ ------ 93.22 35.02 8.60 32.50 100 90 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 96.75 ------ ------ 85.63 35.02 8.60 32.50 100 90 AVERAGE

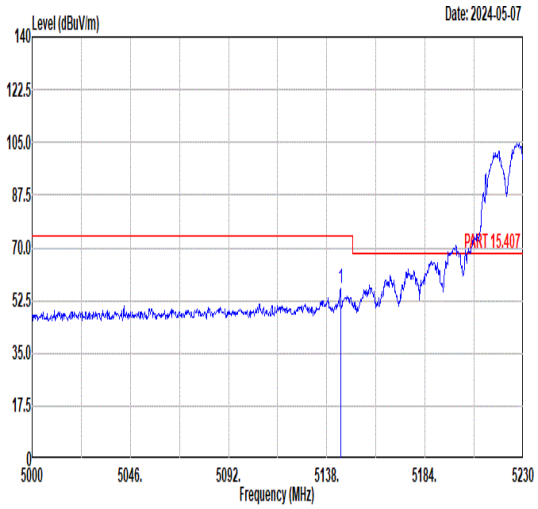
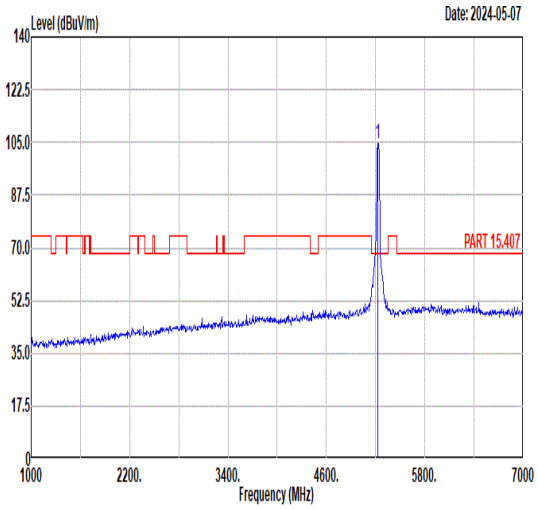
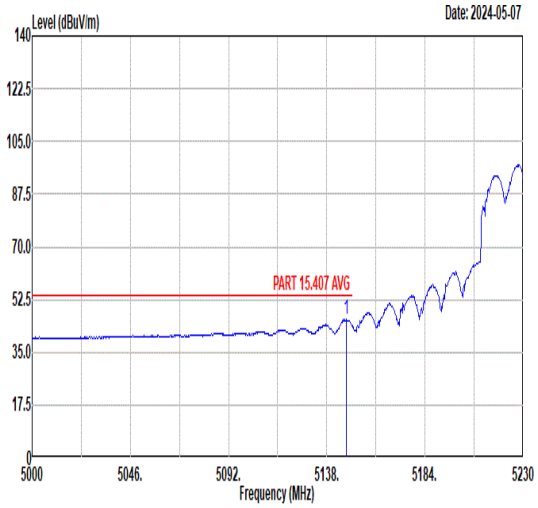
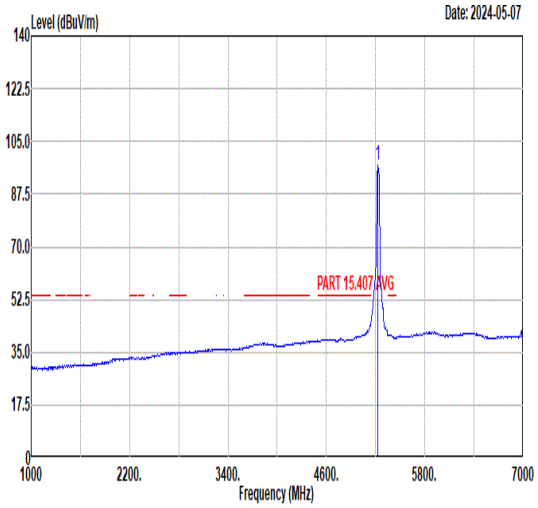
Mode	19	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11ax HE20_CH140_Full RU_5700MHz	
ANT	8+7	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11400.00 46.94 74.00 -27.06 55.63 37.76 11.41 57.86 -- -- Peak 2 17100.00 44.71 68.30 -23.59 49.67 40.06 13.14 58.16 -- -- 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 46.95 74.00 -27.05 55.64 37.76 11.41 57.86 -- -- Peak 2 17100.00 44.81 68.30 -23.49 49.77 40.06 13.14 58.16 -- -- Peak

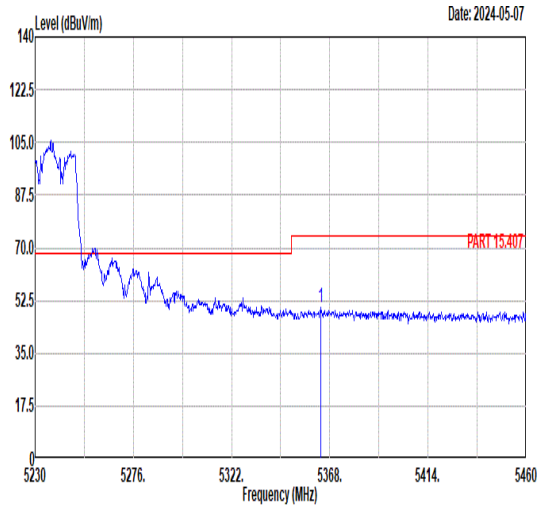
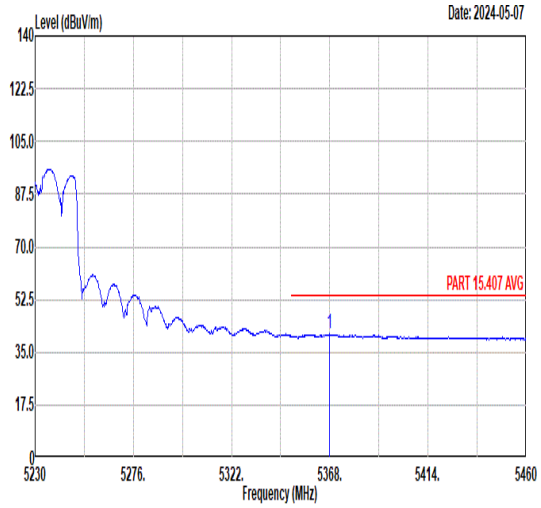
Mode	20	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11ax HE40_CH38_Full RU_5190MHz	
ANT	8+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5148.39 59.89 74.00 -14.11 49.99 34.62 7.92 32.64 100 60 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 5190.00 103.24 ------ ------ 93.27 34.65 7.94 32.62 100 60 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 5148.20 50.88 54.00 -3.12 40.98 34.62 7.92 32.64 100 60 AVERAGE	 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 5190.00 95.61 ------ ------ 85.64 34.65 7.94 32.62 100 60 AVERAGE

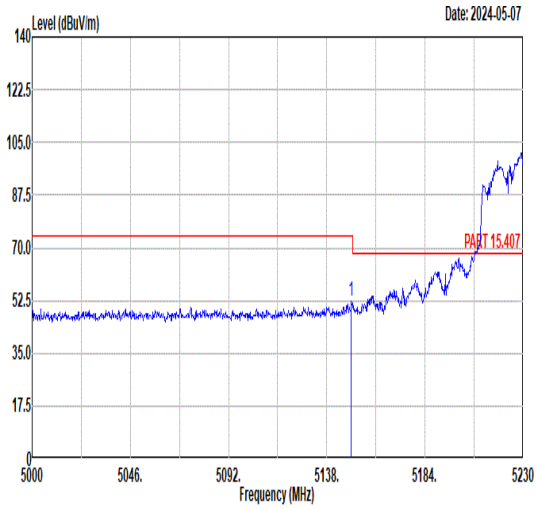
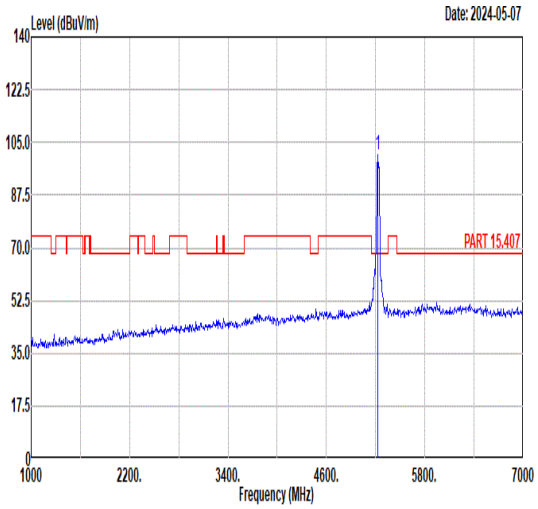
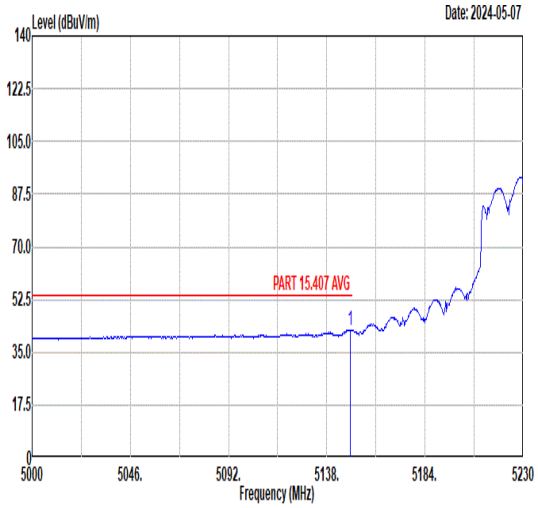
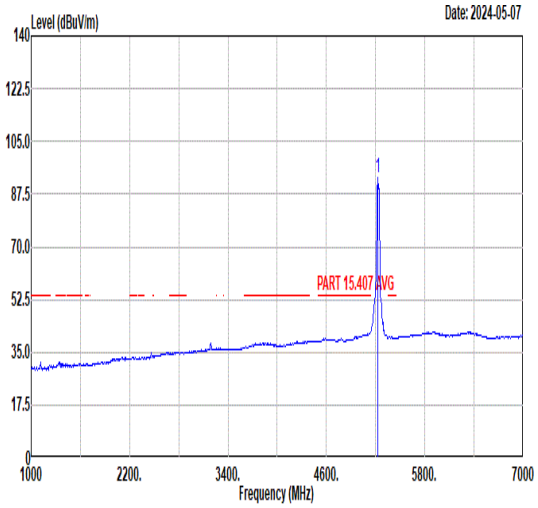
Mode	20	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11ax HE40_CH38_Full RU_5190MHz	
ANT	8+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5408.70 49.47 74.00 -24.53 38.70 34.82 8.48 32.53 100 60 PEAK	Blank
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 5426.52 39.98 54.00 -14.02 29.22 34.84 8.45 32.53 100 60 AVERAGE	Blank

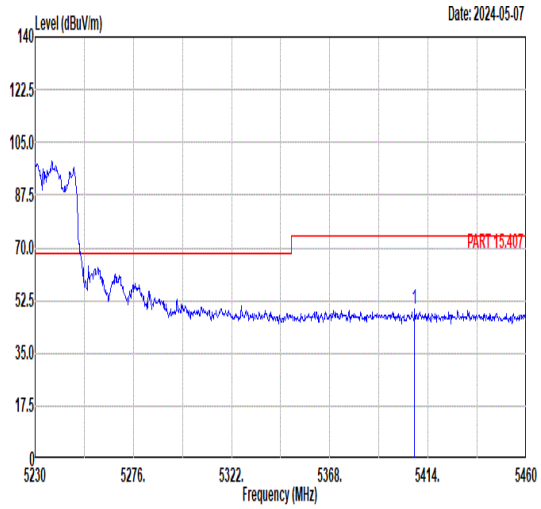
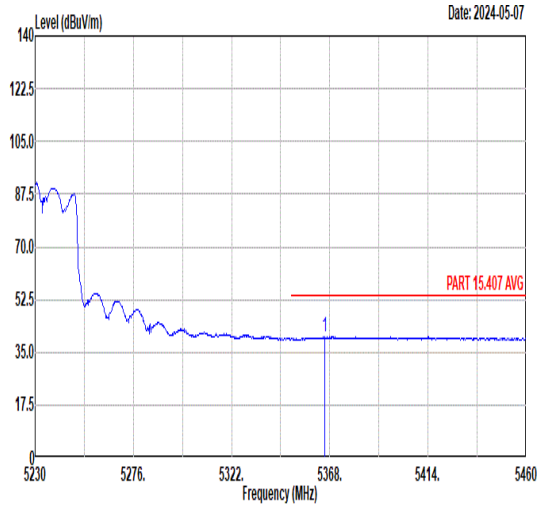
Mode	20	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11ax HE40_CH38_Full RU_5190MHz	
ANT	8+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5148.58 54.98 74.00 -19.02 45.08 34.62 7.92 32.64 101 266 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 5190.00 95.03 ------ ------ 85.04 34.66 7.95 32.62 101 266 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 5149.91 46.63 54.00 -7.37 36.73 34.62 7.92 32.64 101 266 AVERAGE	 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 5190.00 88.55 ------ ------ 78.58 34.65 7.94 32.62 101 266 AVERAGE

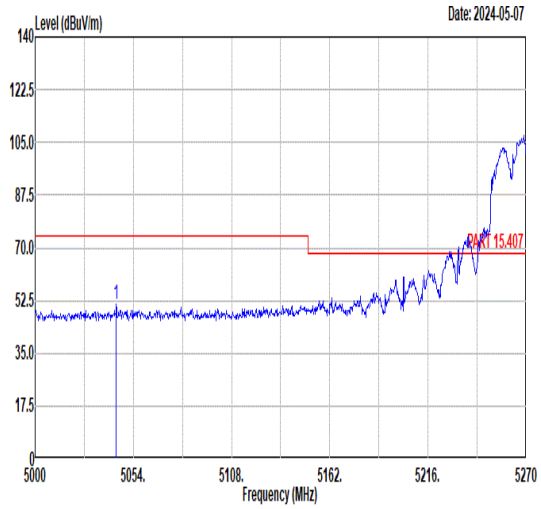
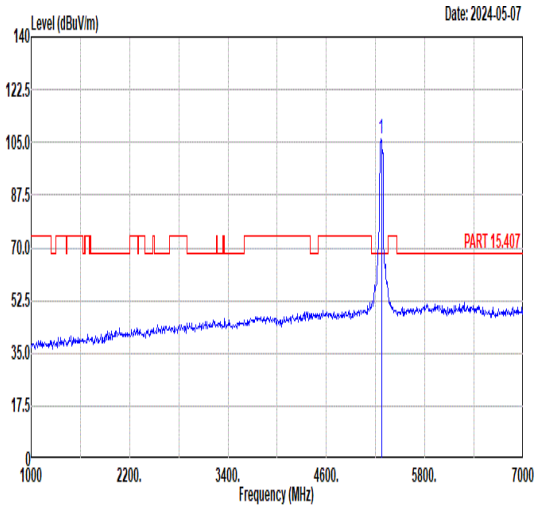
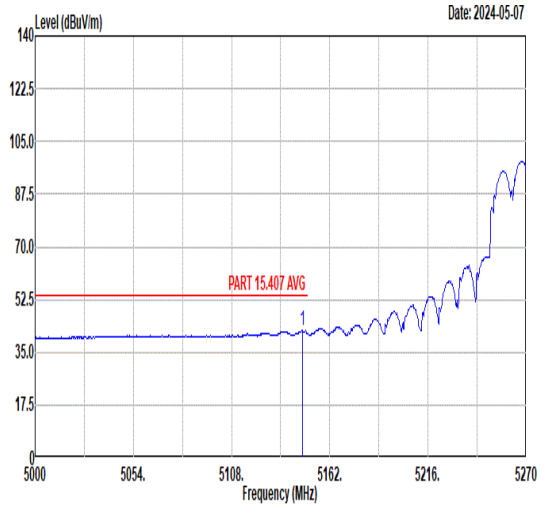
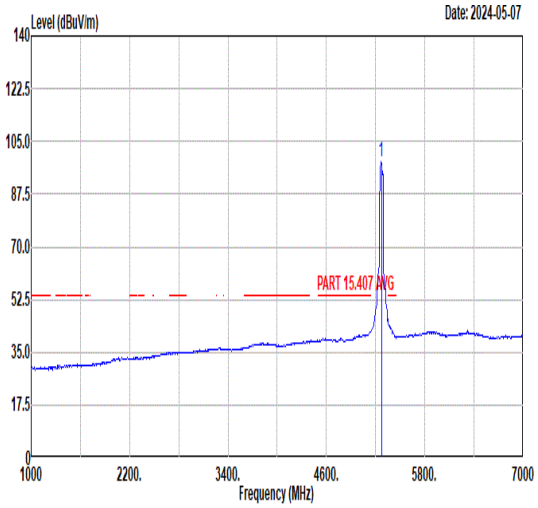
Mode	20	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11ax HE40_CH38_Full RU_5190MHz	
ANT	8+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5400.87 49.05 74.00 -24.95 38.31 34.82 8.46 32.54 101 266 PEAK	Blank
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 5366.58 39.73 54.00 -14.27 29.12 34.79 8.37 32.55 101 266 AVERAGE	Blank

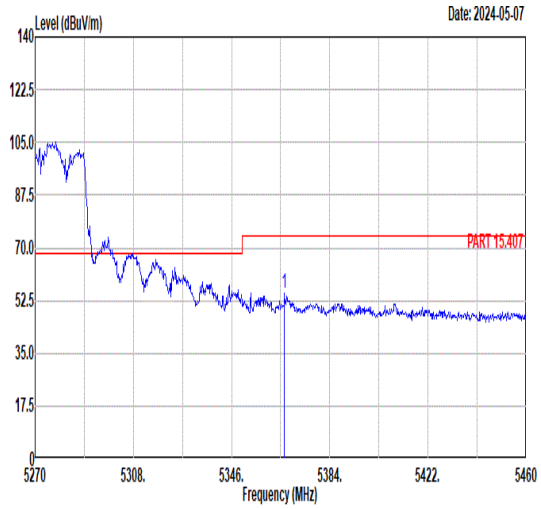
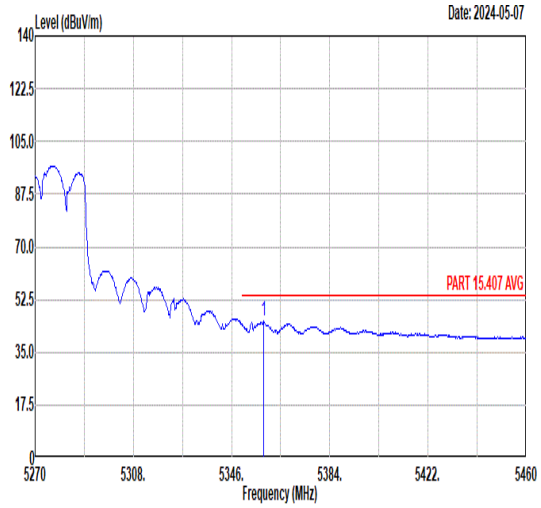
Mode	21	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11ax HE40_CH46_Full RU_5230MHz	
ANT	8+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5144.44 56.35 74.00 -17.65 46.46 34.62 7.91 32.64 107 62 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 5230.00 104.79 ------ ------ 94.68 34.69 8.02 32.60 107 62 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 5147.20 46.13 54.00 -7.87 36.23 34.62 7.92 32.64 107 62 AVERAGE	 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 5230.00 96.98 ------ ------ 86.90 34.68 8.01 32.61 107 62 AVERAGE

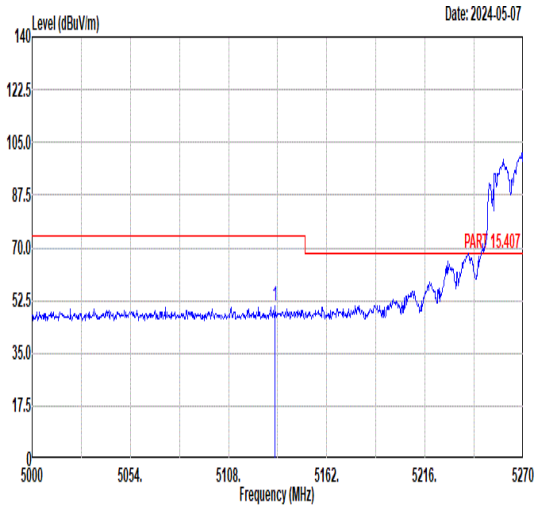
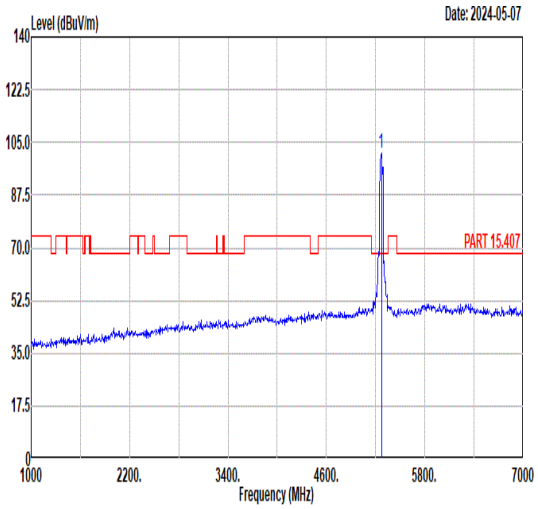
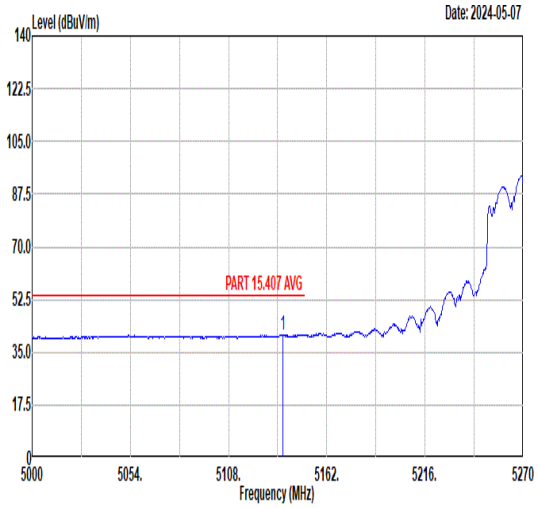
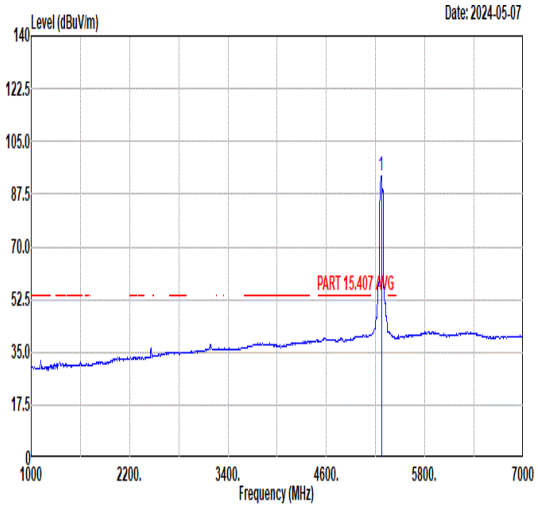
Mode	21	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11ax HE40_CH46_Full RU_5230MHz	
ANT	8+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5363.63 50.08 74.00 -23.92 39.48 34.79 8.36 32.55 107 62 PEAK	Blank
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 5367.77 41.13 54.00 -12.87 30.51 34.79 8.38 32.55 107 62 AVERAGE	Blank

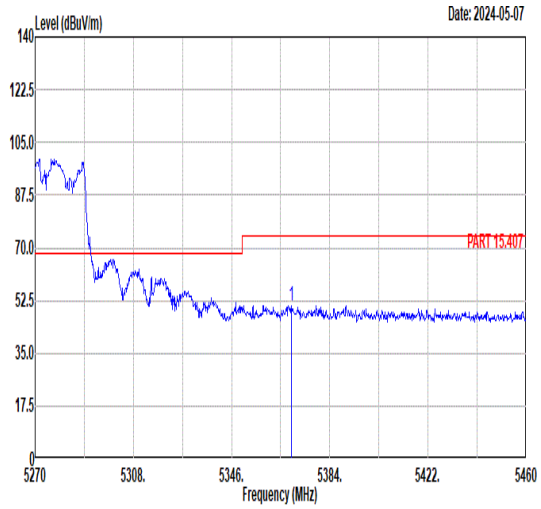
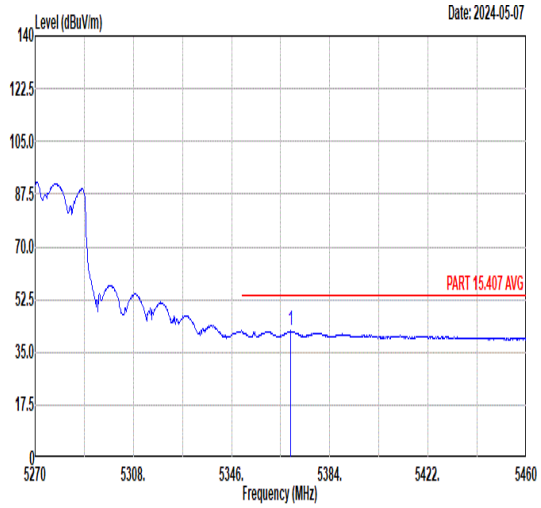
Mode	21	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11ax HE40_CH46_Full RU_5230MHz	
ANT	8+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5149.50 52.19 74.00 -21.81 42.29 34.62 7.92 32.64 100 236 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 5230.00 101.03 ------ ------ 90.95 34.68 8.01 32.61 100 236 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 5149.04 42.44 54.00 -11.56 32.54 34.62 7.92 32.64 100 236 AVERAGE	 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 5230.00 93.02 ------ ------ 82.94 34.68 8.01 32.61 100 236 AVERAGE

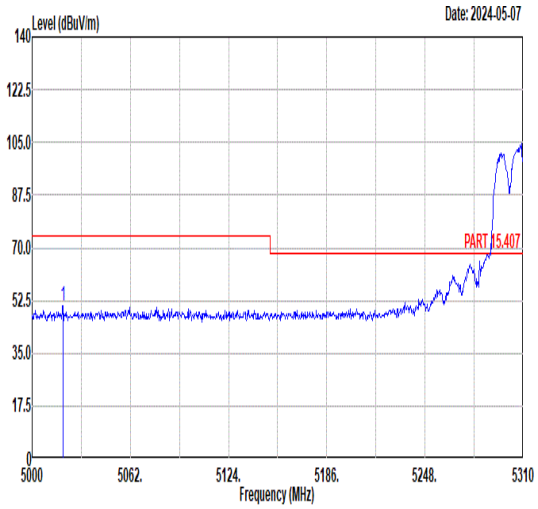
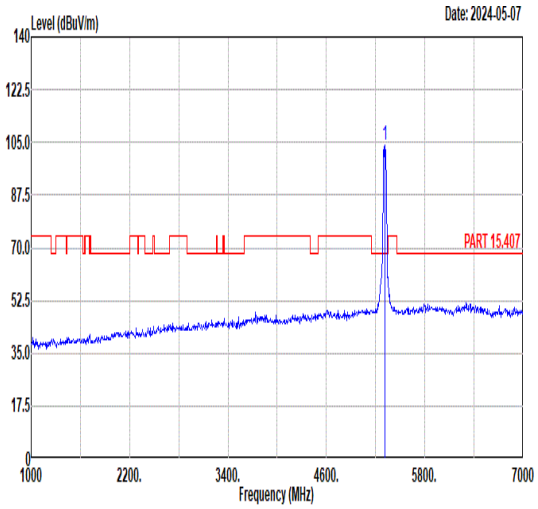
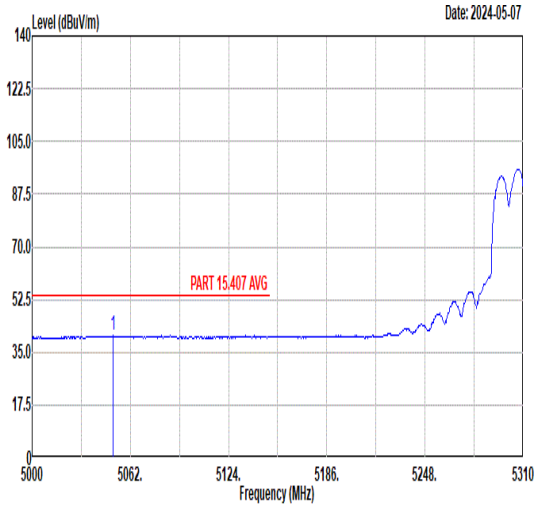
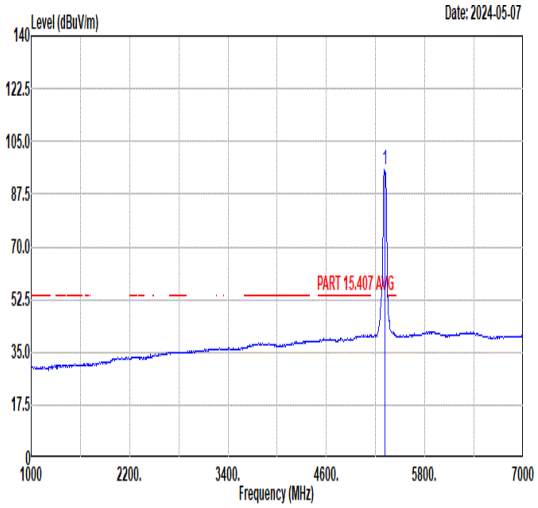
Mode	21	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11ax HE40_CH46_Full RU_5230MHz	
ANT	8+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5407.79 49.59 74.00 -24.41 38.82 34.82 8.48 32.53 100 236 PEAK	Blank
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 5365.70 40.14 54.00 -13.86 29.53 34.79 8.37 32.55 100 236 AVERAGE	Blank

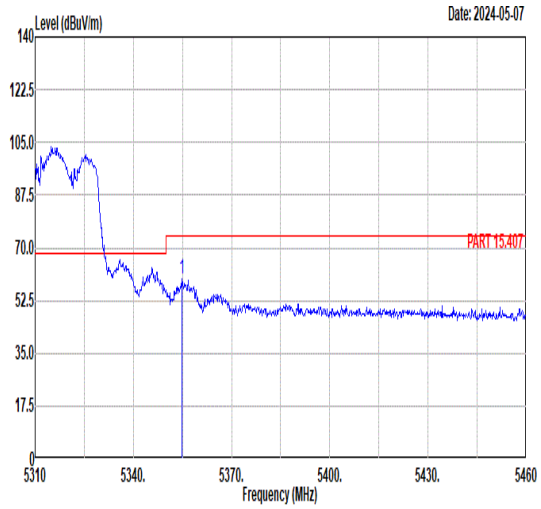
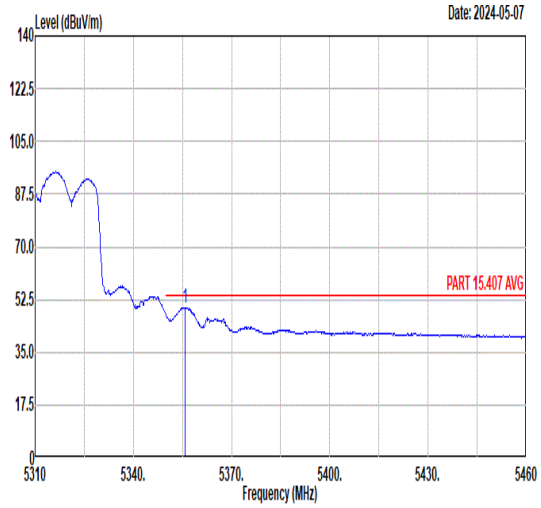
Mode	22	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11ax HE40_CH54_Full RU_5270MHz	
ANT	8+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5044.55 51.00 74.00 -23.00 41.29 34.54 7.85 32.68 103 65 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 5270.00 106.00 ------ ------ 95.78 34.71 8.10 32.59 103 65 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 5146.88 42.15 54.00 -11.85 32.25 34.62 7.92 32.64 103 65 AVERAGE	 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 5270.00 98.28 ------ ------ 88.06 34.71 8.10 32.59 103 65 AVERAGE

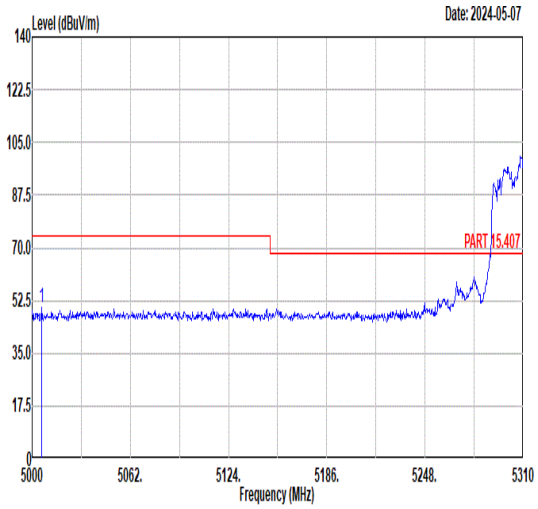
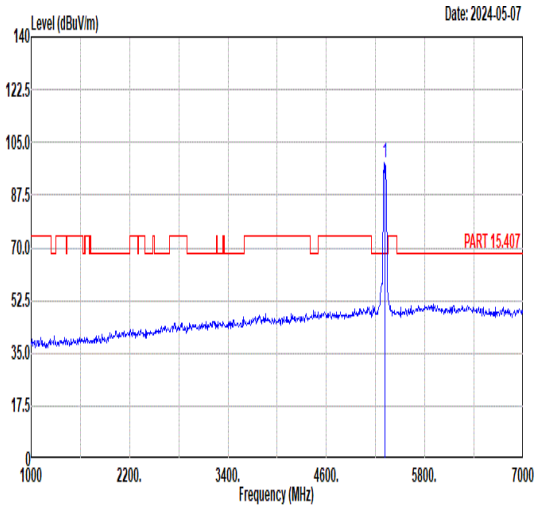
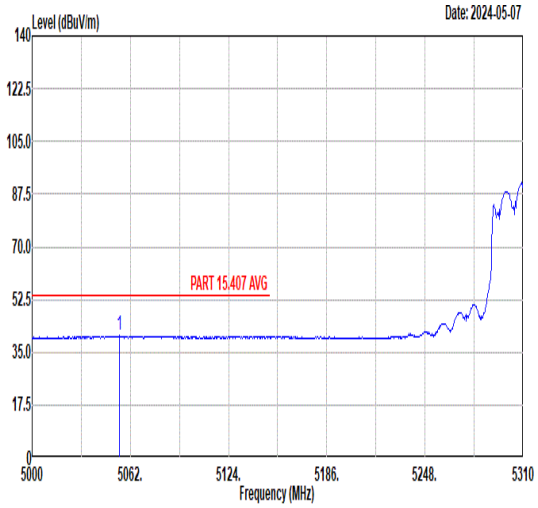
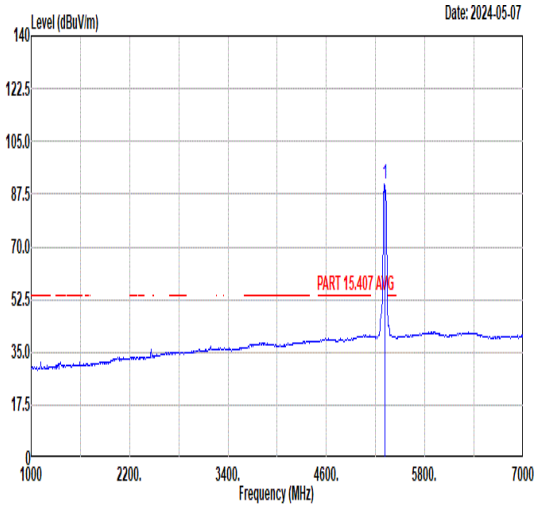
Mode	22	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11ax HE40_CH54_Full RU_5270MHz	
ANT	8+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5366.52 55.21 74.00 -18.79 44.60 34.79 8.37 32.55 103 65 PEAK	Blank
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 5358.54 45.18 54.00 -8.82 34.59 34.79 8.35 32.55 103 65 AVERAGE	Blank

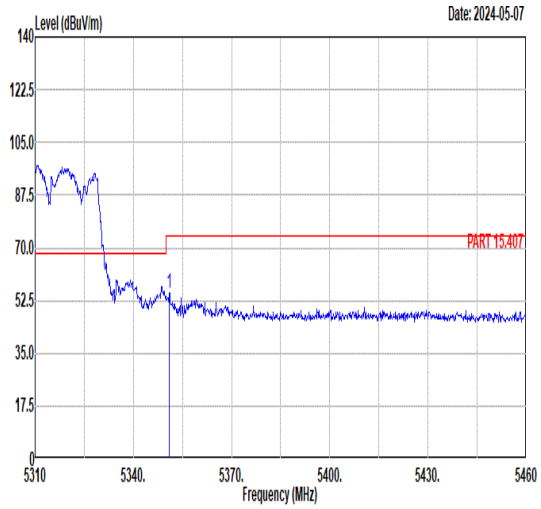
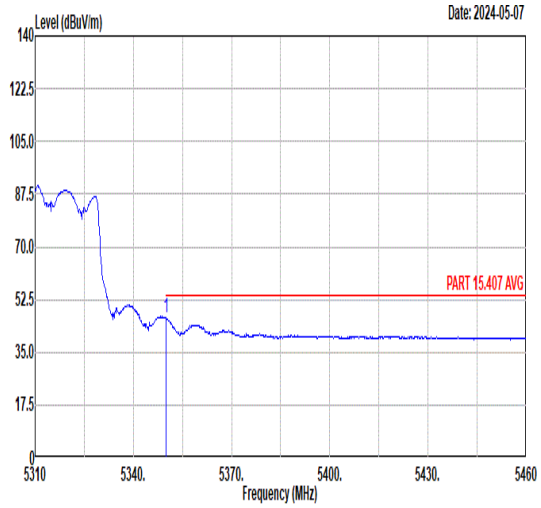
Mode	22	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11ax HE40_CH54_Full RU_5270MHz	
ANT	8+7	
Pol.	Vertical	Fundamental
Peak	 Limit Read Ant Cable Preamp APos TPos Freq Level Line Margin Level Factor Loss Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5133.65 50.86 74.00 -23.14 40.99 34.61 7.91 32.65 100 235 PEAK	 Limit Read Ant Cable Preamp APos TPos Freq Level Line Margin Level Factor Loss Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5270.00 101.31 ------ ------ 91.06 34.72 8.12 32.59 100 235 PEAK
Avg	 Limit Read Ant Cable Preamp APos TPos Freq Level Line Margin Level Factor Loss Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5137.97 40.86 54.00 -13.14 30.98 34.61 7.91 32.64 100 235 AVERAGE	 Limit Read Ant Cable Preamp APos TPos Freq Level Line Margin Level Factor Loss Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5270.00 93.31 ------ ------ 83.09 34.71 8.10 32.59 100 235 AVERAGE

Mode	22	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11ax HE40_CH54_Full RU_5270MHz	
ANT	8+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 5369.18 50.88 74.00 -23.12 40.26 34.79 8.38 32.55 100 235 PEAK	Blank
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 5368.99 42.02 54.00 -11.98 31.40 34.79 8.38 32.55 100 235 AVERAGE	Blank

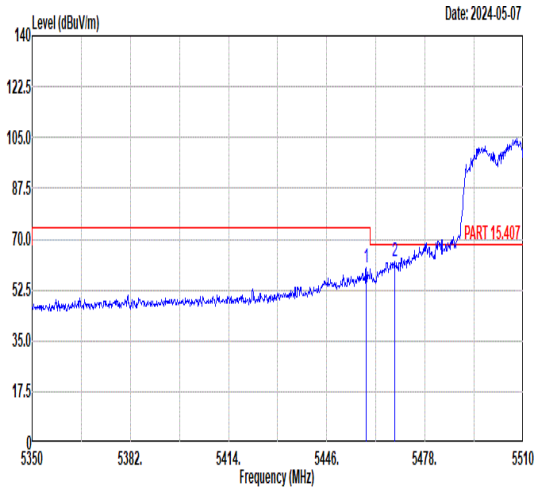
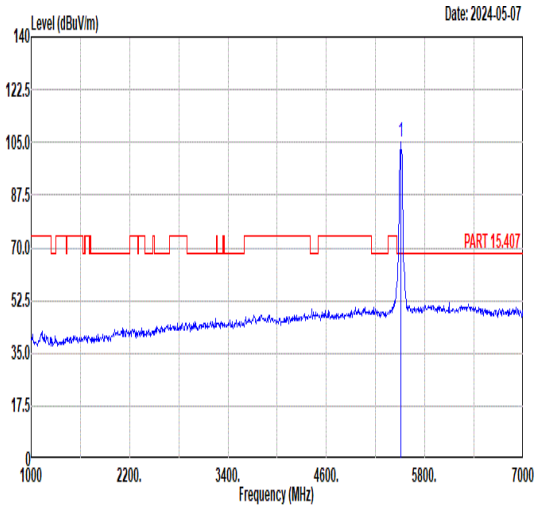
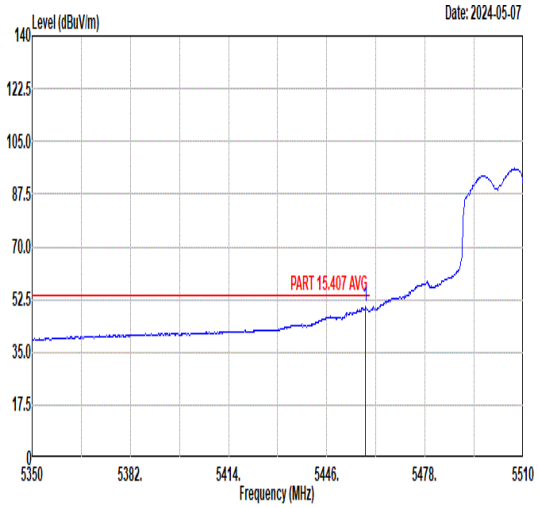
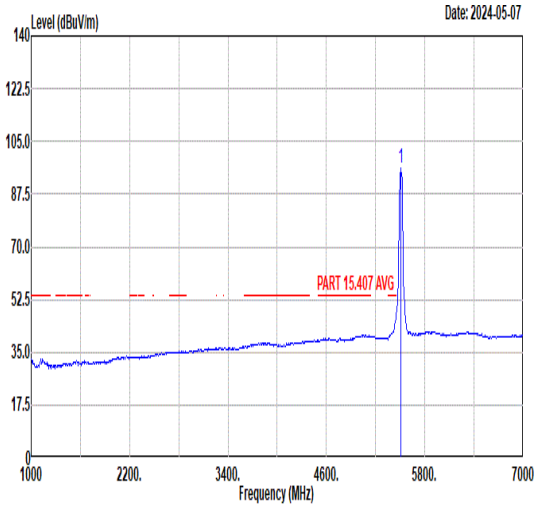
Mode	23	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11ax HE40_CH62_Full RU_5310MHz	
ANT	8+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5019.53 50.68 74.00 -23.32 41.02 34.52 7.83 32.69 100 303 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 5310.00 103.82 ------ ------ 93.41 34.75 8.23 32.57 100 303 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 5051.15 40.60 54.00 -13.40 30.89 34.54 7.85 32.68 100 303 AVERAGE	 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 5310.00 95.60 ------ ------ 85.20 34.75 8.22 32.57 100 303 AVERAGE

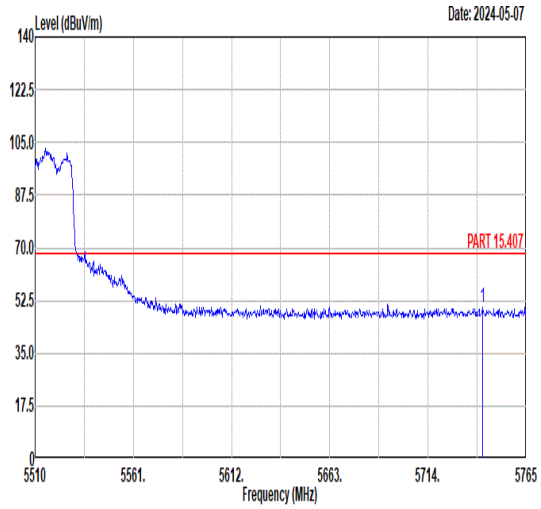
Mode	23	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11ax HE40_CH62_Full RU_5310MHz	
ANT	8+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5354.85 59.68 74.00 -14.32 49.11 34.78 8.34 32.55 100 303 PEAK	Blank
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 5355.90 49.79 54.00 -4.21 39.22 34.78 8.34 32.55 100 303 AVERAGE	Blank

Mode	23	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11ax HE40_CH62_Full RU_5310MHz	
ANT	8+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 5006.20 50.12 74.00 -23.88 40.48 34.51 7.83 32.70 100 239 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 5310.00 98.41 ------ ------ 88.01 34.75 8.22 32.57 100 239 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 5055.18 40.51 54.00 -13.49 30.78 34.55 7.86 32.68 100 239 AVERAGE	 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 5310.00 90.99 ------ ------ 80.59 34.75 8.22 32.57 100 239 AVERAGE

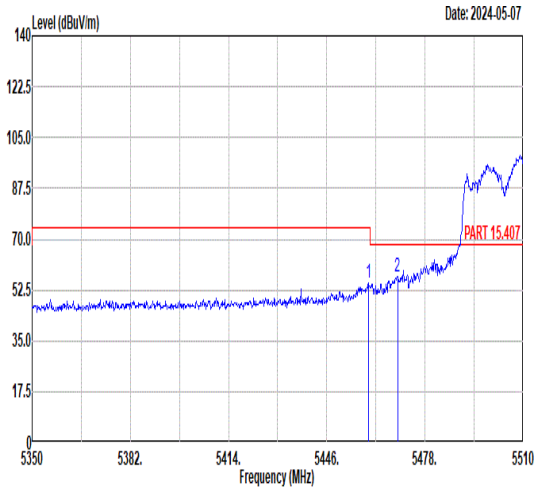
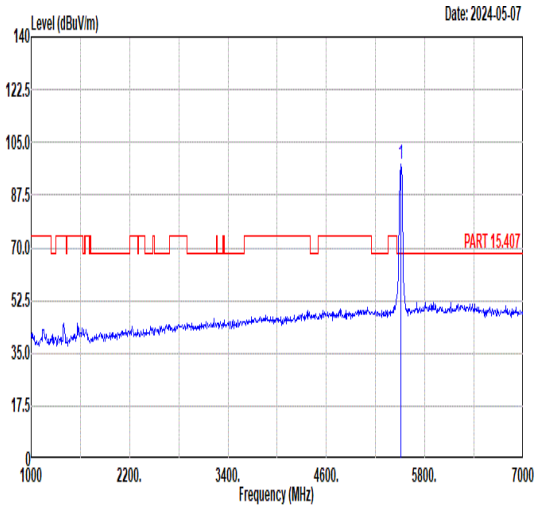
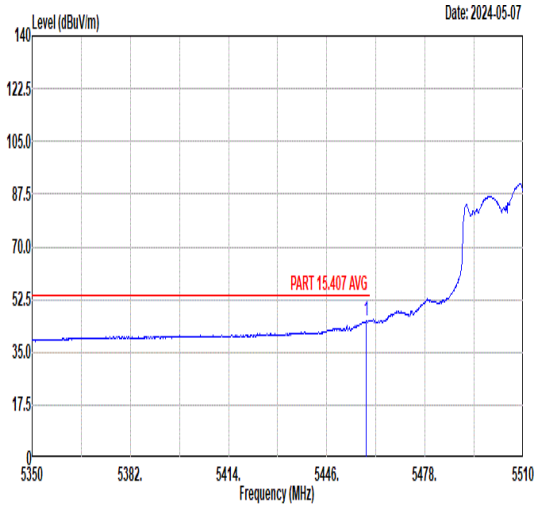
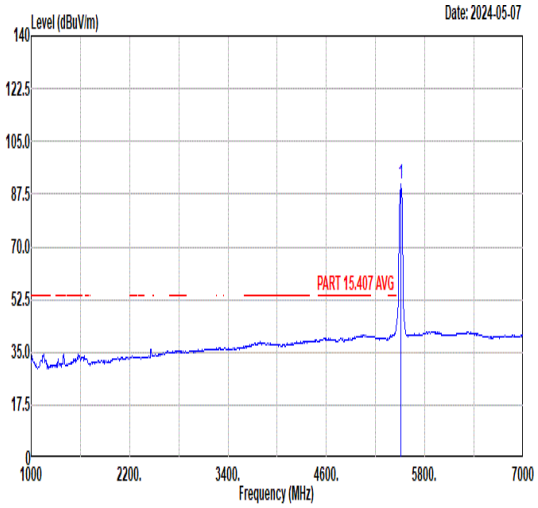
Mode	23	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11ax HE40_CH62_Full RU_5310MHz	
ANT	8+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5350.95 55.13 74.00 -18.87 44.58 34.78 8.33 32.56 100 239 PEAK	Blank
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 5350.05 46.37 54.00 -7.63 35.82 34.78 8.33 32.56 100 239 AVERAGE	Blank

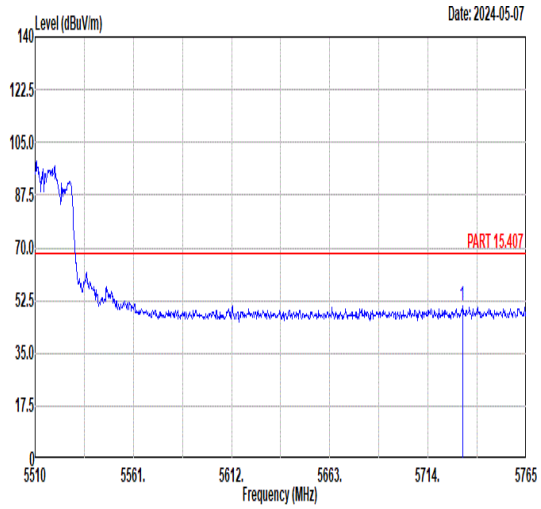
Mode	24
	Band Edge - L
	U-NII-2C_5.47-5.725_802.11ax HE40_CH102_Full RU_5510MHz
ANT	8+7

Pol.	Horizontal	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 5458.80 60.07 74.00 -13.93 49.31 34.86 8.41 32.51 100 297 PEAK 2 5468.08 62.19 68.30 -6.11 51.43 34.87 8.40 32.51 100 297 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 5510.00 105.23 ------ ------ 94.48 34.90 8.35 32.50 100 297 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 5458.64 49.95 54.00 -4.05 39.19 34.86 8.41 32.51 100 297 AVERAGE	 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 5510.00 95.90 ------ ------ 85.15 34.90 8.35 32.50 100 297 AVERAGE

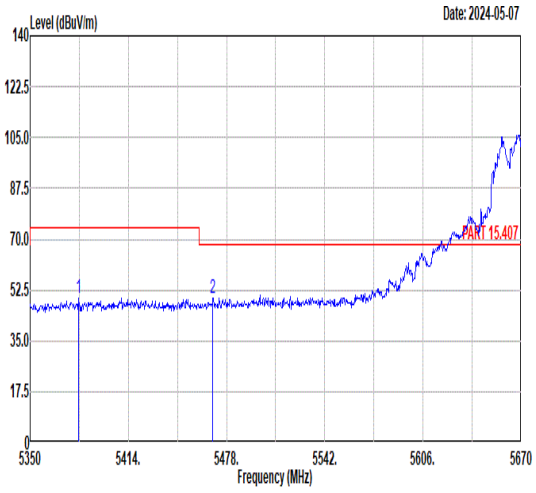
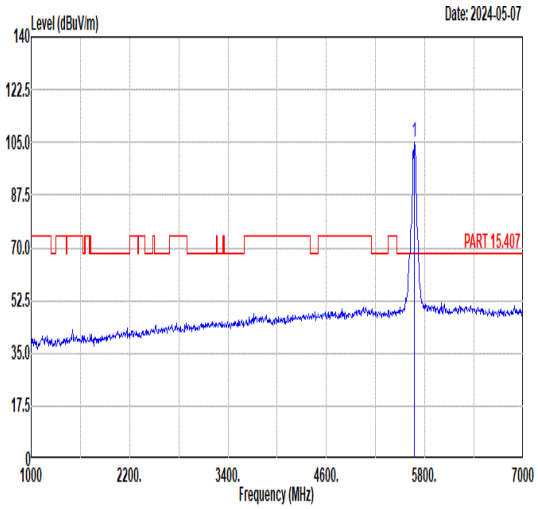
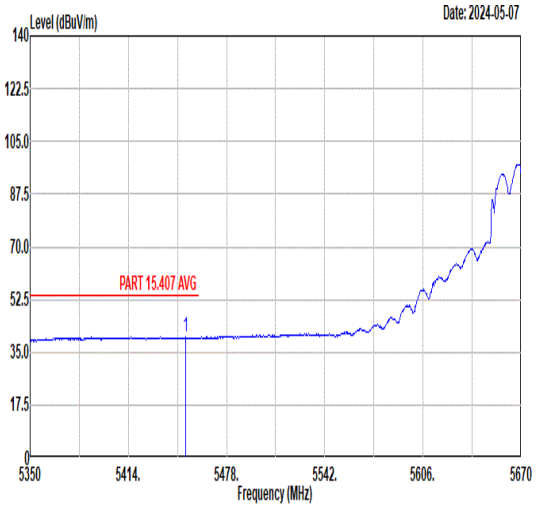
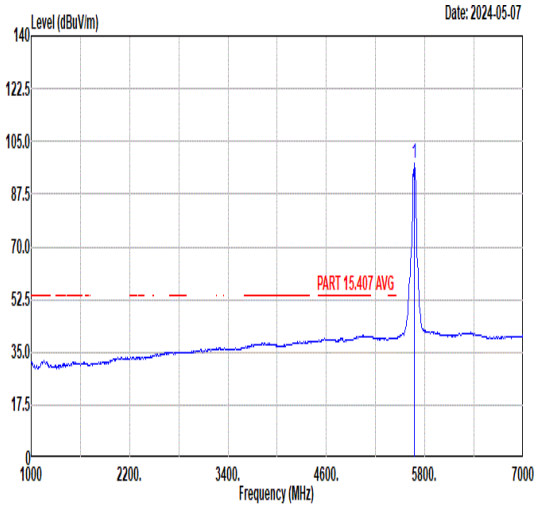
Mode	24	
	Band Edge - R	
	U-NII-2C_5.47-5.725_802.11ax HE40_CH102_Full RU_5510MHz	
ANT	8+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5742.31 50.44 68.30 -17.86 39.16 35.04 8.74 32.50 100 297 PEAK	Blank

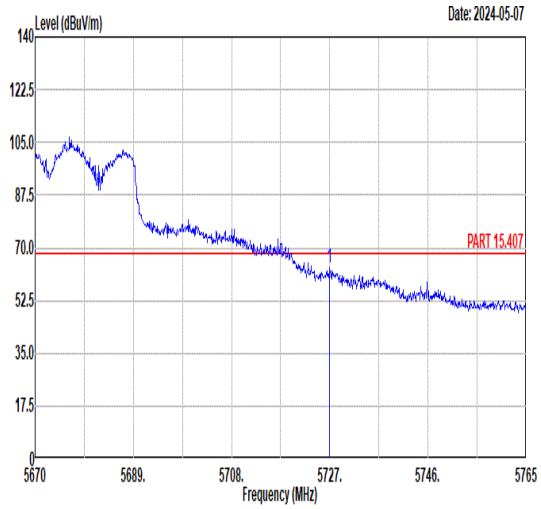
Mode	24
	Band Edge - L
	U-NII-2C_5.47-5.725_802.11ax HE40_CH102_Full RU_5510MHz
ANT	8+7

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 5459.60 54.70 74.00 -19.30 43.94 34.86 8.41 32.51 102 239 PEAK 2 5469.04 57.12 68.30 -11.18 46.36 34.87 8.40 32.51 102 239 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 5510.00 97.90 ------ ------ 87.16 34.90 8.34 32.50 102 239 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 5458.80 45.64 54.00 -8.36 34.88 34.86 8.41 32.51 102 239 AVERAGE	 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 5510.00 90.71 ------ ------ 79.97 34.90 8.34 32.50 102 239 AVERAGE

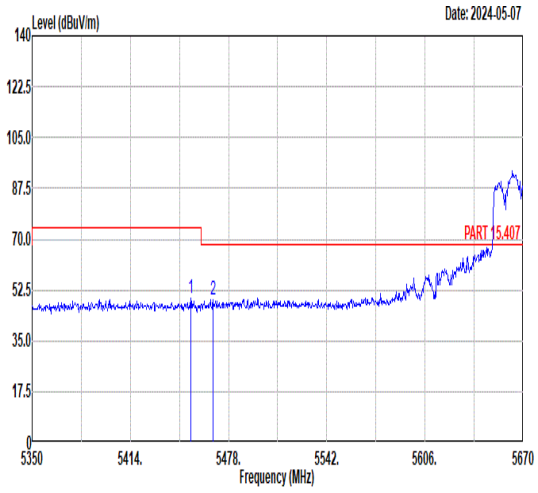
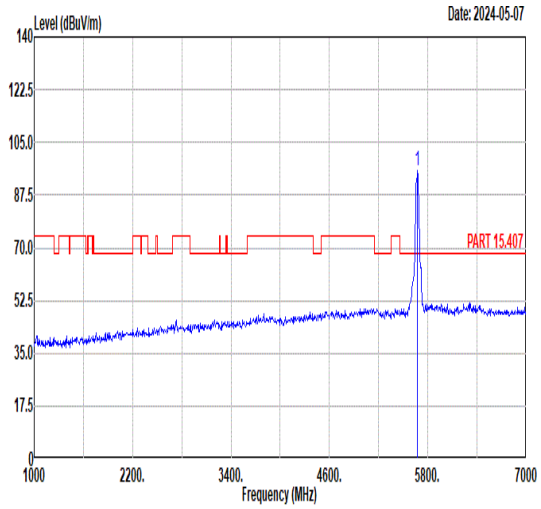
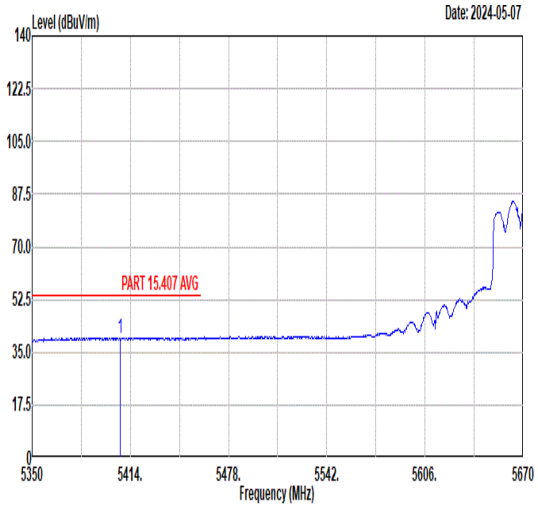
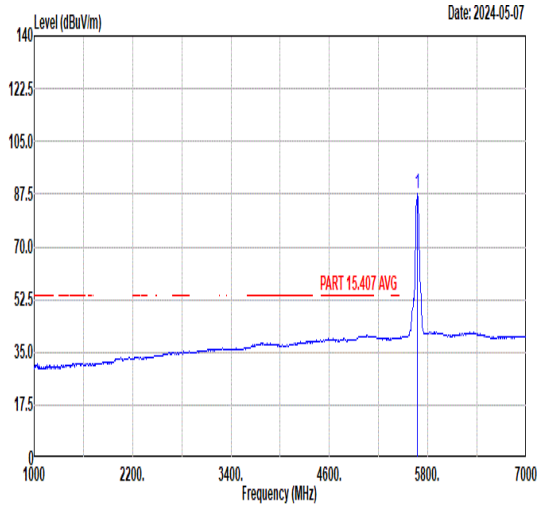
Mode	24	
	Band Edge - R	
	U-NII-2C_5.47-5.725_802.11ax HE40_CH102_Full RU_5510MHz	
ANT	8+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5731.85 50.65 68.30 -17.65 39.41 35.04 8.70 32.50 102 239 PEAK	Blank

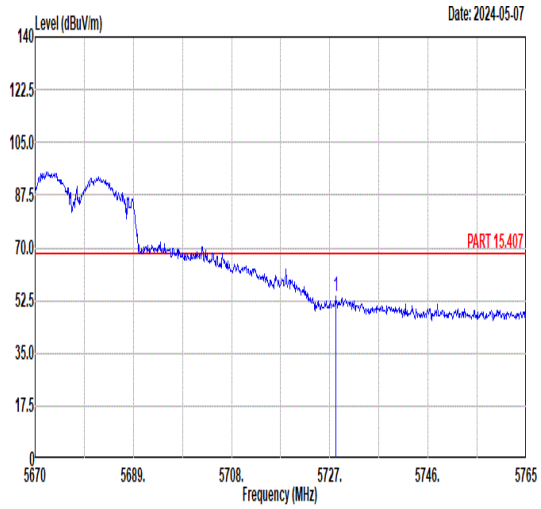
Mode	25
	Band Edge - L
	U-NII-2C_5.47-5.725_802.11ax HE40_CH134_Full RU_5670MHz
ANT	8+7

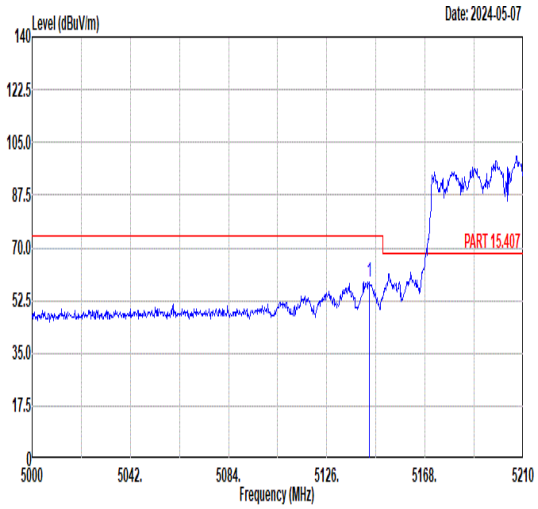
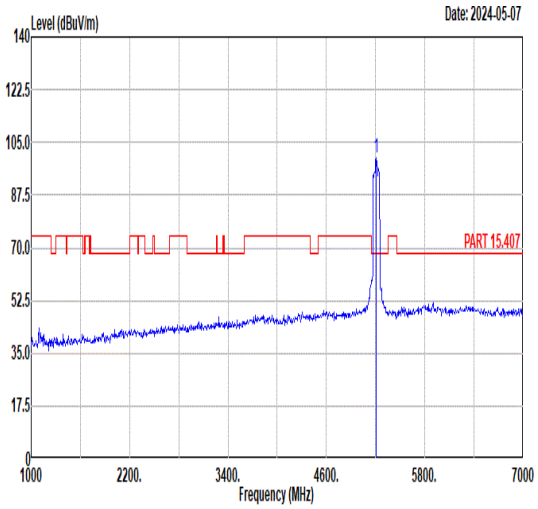
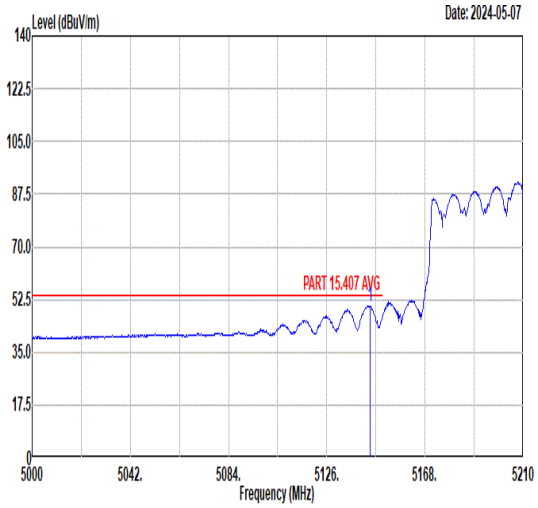
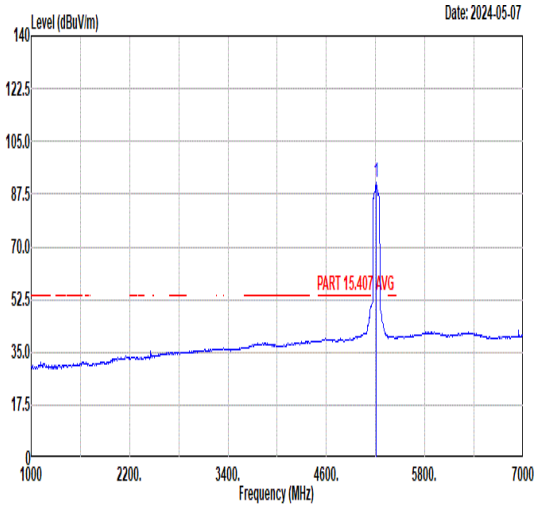
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5381.68 49.58 74.00 -24.42 38.91 34.80 8.41 32.54 100 297 PEAK 2 5469.04 49.80 68.30 -18.50 39.04 34.87 8.40 32.51 100 297 PEAK	 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 5670.00 105.34 ------ ------ 94.38 35.00 8.46 32.50 100 297 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 5451.44 39.97 54.00 -14.03 29.21 34.86 8.42 32.52 100 297 AVERAGE	 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 5670.00 97.51 ------ ------ 86.55 35.00 8.46 32.50 100 297 AVERAGE

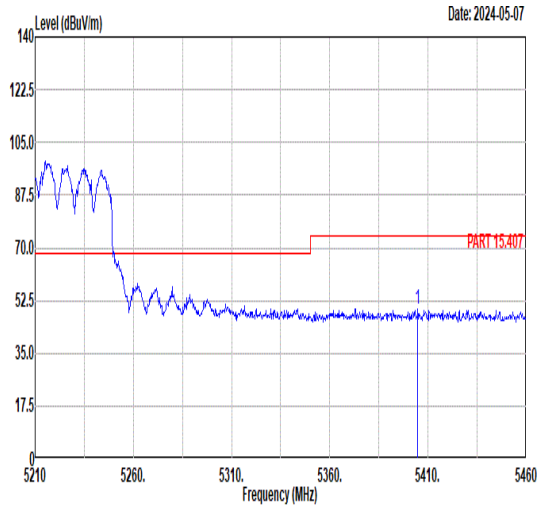
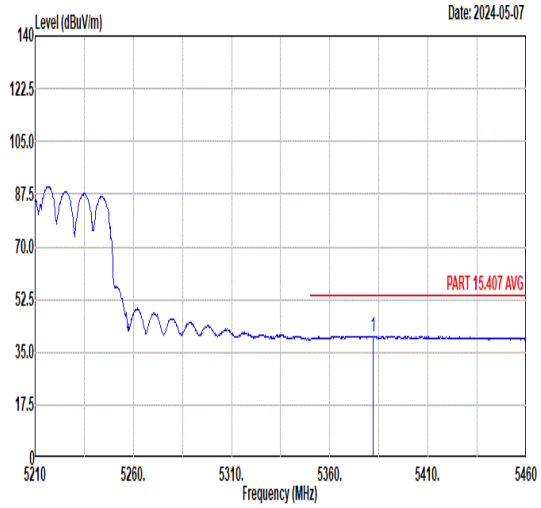
Mode	25	
	Band Edge - R	
	U-NII-2C_5.47-5.725_802.11ax HE40_CH134_Full RU_5670MHz	
ANT	8+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5727.00 63.31 68.30 -4.99 52.09 35.04 8.68 32.50 100 297 PEAK	Blank

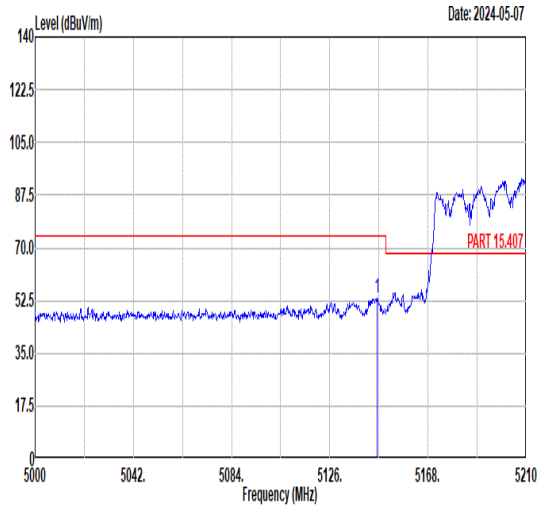
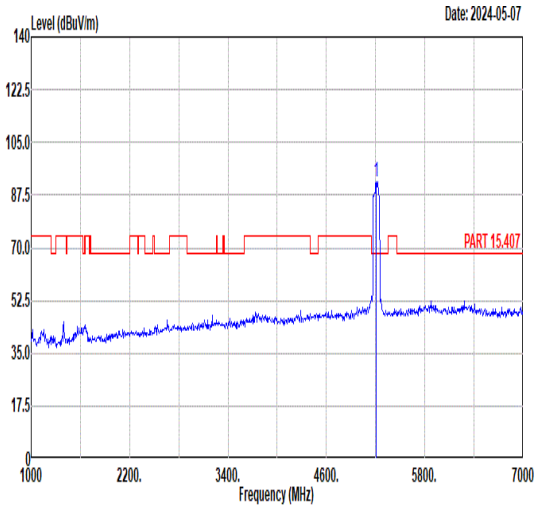
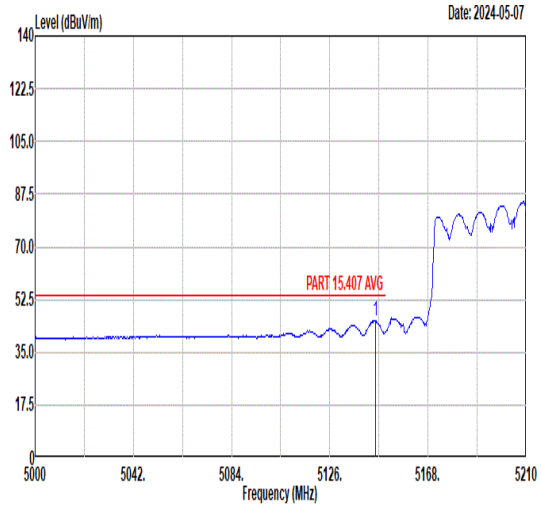
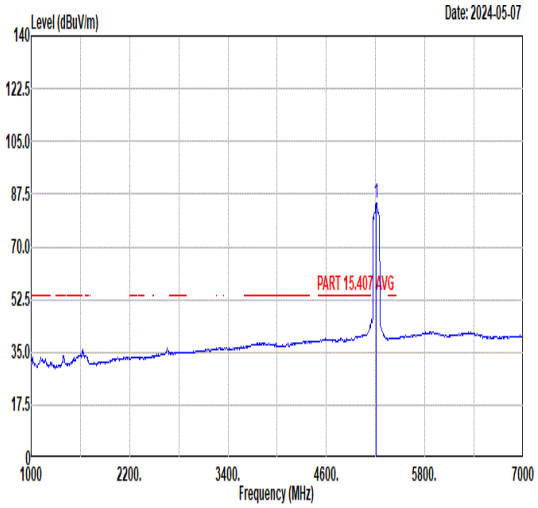
Mode	25
	Band Edge - L
	U-NII-2C_5.47-5.725_802.11ax HE40_CH134_Full RU_5670MHz
ANT	8+7

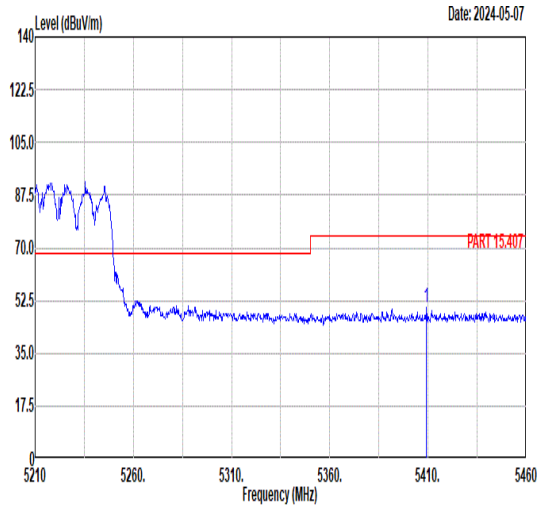
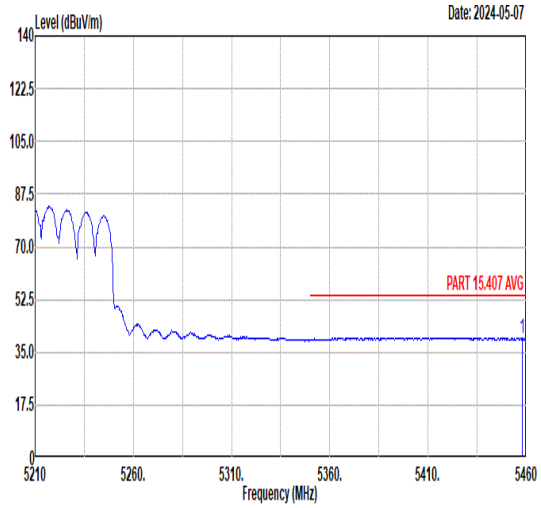
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5453.36 49.65 74.00 -24.35 38.88 34.86 8.42 32.51 400 53 PEAK 2 5467.76 49.33 68.30 -18.97 38.57 34.87 8.40 32.51 400 53 PEAK	 Freq 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 5670.00 95.67 ------ ------ 84.68 35.00 8.49 32.50 400 53 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 5407.28 39.77 54.00 -14.23 29.00 34.82 8.48 32.53 400 53 AVERAGE	 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 5670.00 87.47 ------ ------ 76.48 35.00 8.49 32.50 400 53 AVERAGE

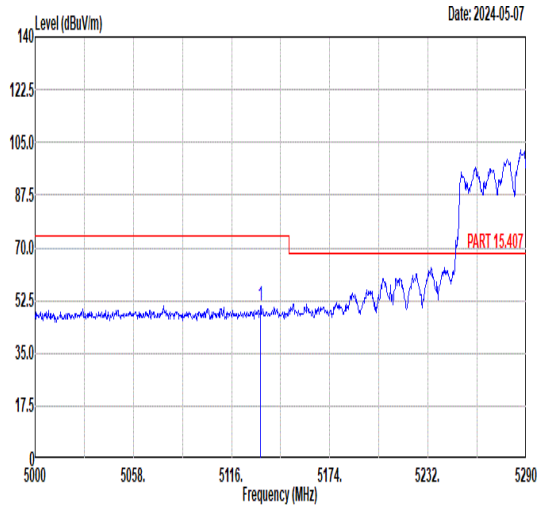
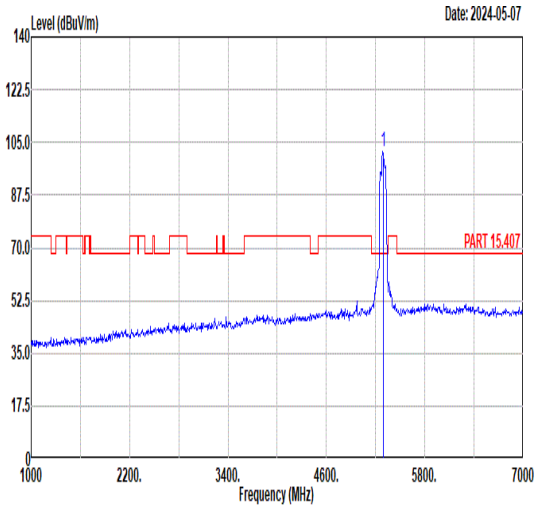
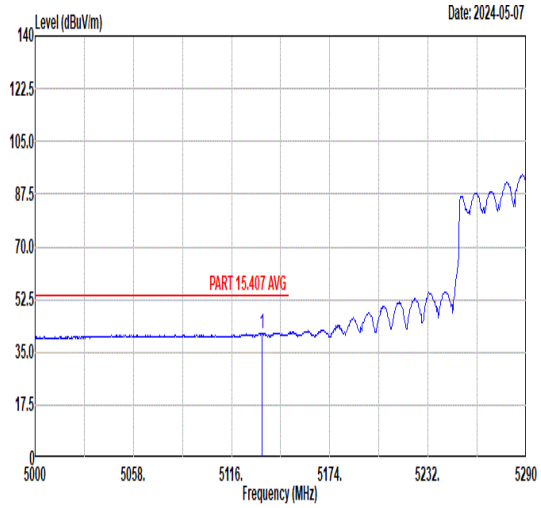
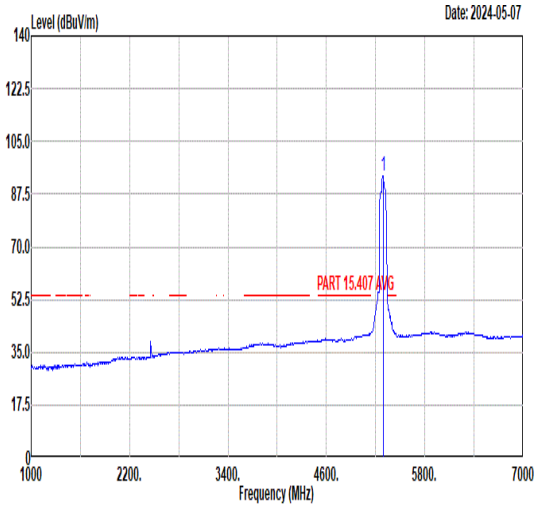
Mode	25	
	Band Edge - R	
	U-NII-2C_5.47-5.725_802.11ax HE40_CH134_Full RU_5670MHz	
ANT	8+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5728.14 53.72 68.30 -14.58 42.49 35.04 8.69 32.50 400 53 PEAK	Blank

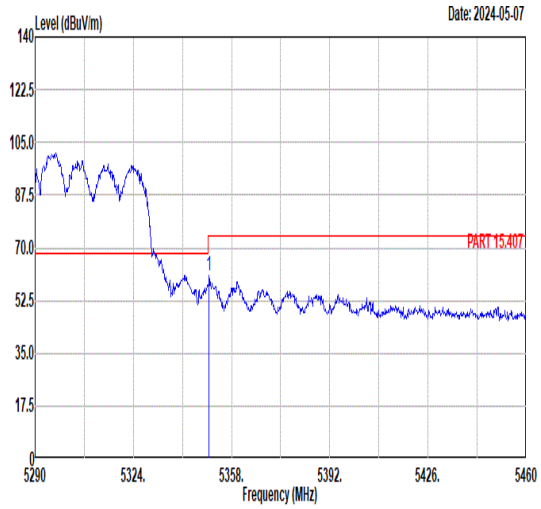
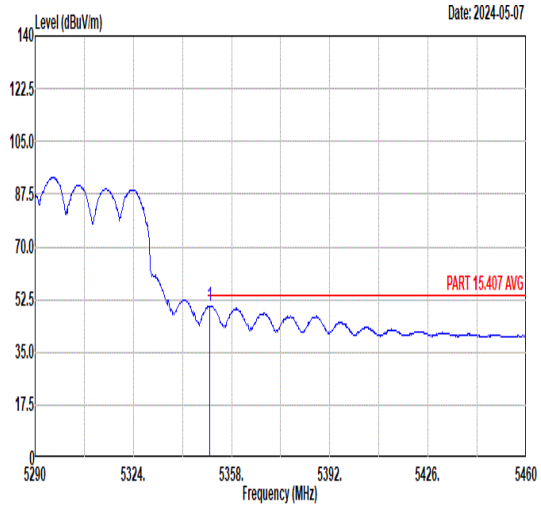
Mode	26	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11ax HE80_CH42_Full RU_5210MHz	
ANT	8+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5144.27 58.66 74.00 -15.34 48.77 34.62 7.91 32.64 100 56 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 5210.00 99.88 ------ ------ 89.87 34.67 7.96 32.62 100 56 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 5144.48 50.32 54.00 -3.68 40.43 34.62 7.91 32.64 100 56 AVERAGE	 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 5210.00 91.25 ------ ------ 81.24 34.67 7.96 32.62 100 56 AVERAGE

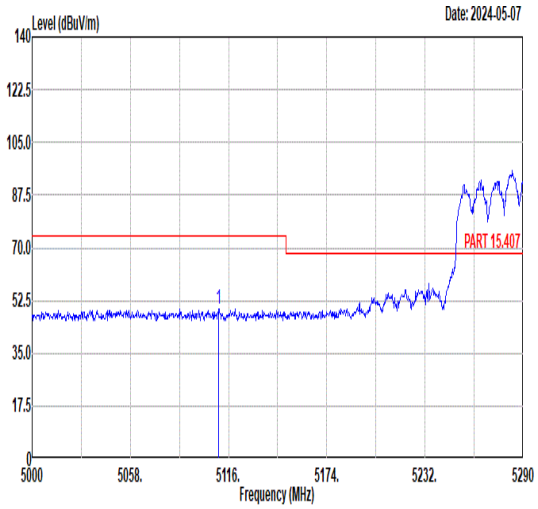
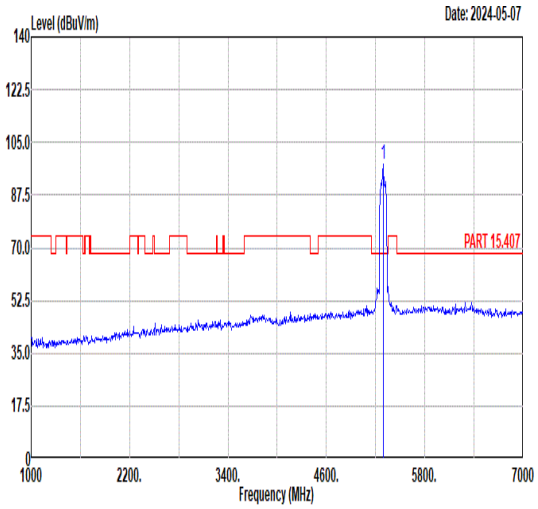
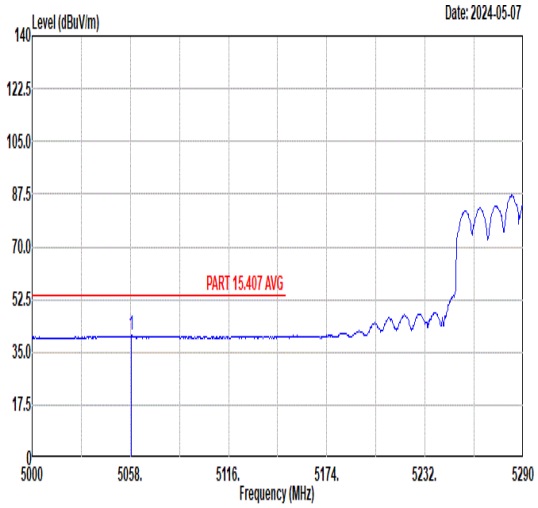
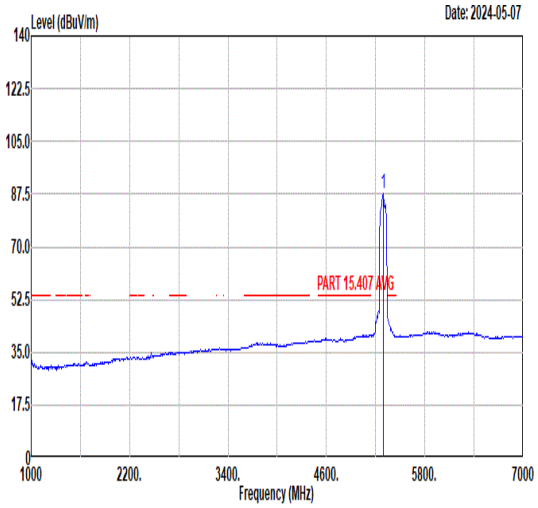
Mode	26	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11ax HE80_CH42_Full RU_5210MHz	
ANT	8+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5404.75 49.67 74.00 -24.33 38.91 34.82 8.47 32.53 100 56 PEAK	Blank
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 5382.00 40.41 54.00 -13.59 29.74 34.80 8.41 32.54 100 56 AVERAGE	Blank

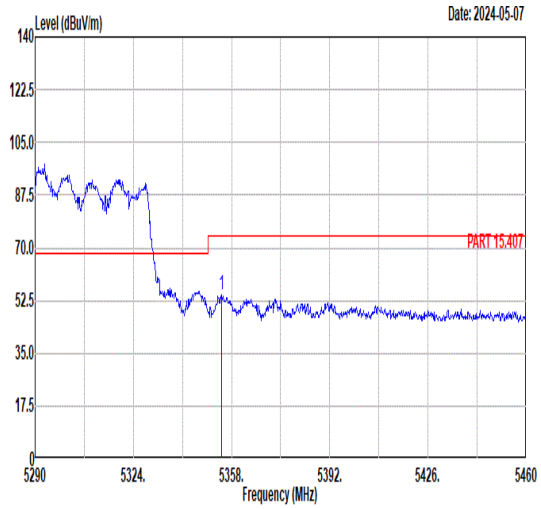
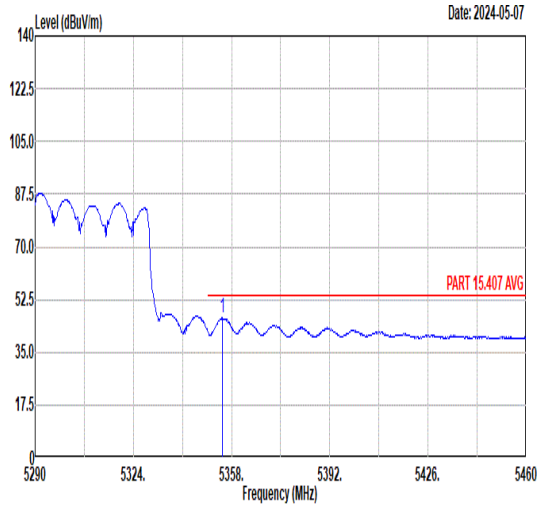
Mode	26	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11ax HE80_CH42_Full RU_5210MHz	
ANT	8+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5146.37 53.44 74.00 -20.56 43.54 34.62 7.92 32.64 100 227 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 5210.00 91.75 ------ ------ 81.69 34.68 7.99 32.61 100 227 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 5145.53 45.46 54.00 -8.54 35.56 34.62 7.92 32.64 100 227 AVERAGE	 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 5210.00 84.74 ------ ------ 74.73 34.67 7.96 32.62 100 227 AVERAGE

Mode	26	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11ax HE80_CH42_Full RU_5210MHz	
ANT	8+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 5409.25 49.99 74.00 -24.01 39.22 34.82 8.48 32.53 100 227 PEAK	Blank
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 5458.00 39.84 54.00 -14.16 29.08 34.86 8.41 32.51 100 227 AVERAGE	Blank

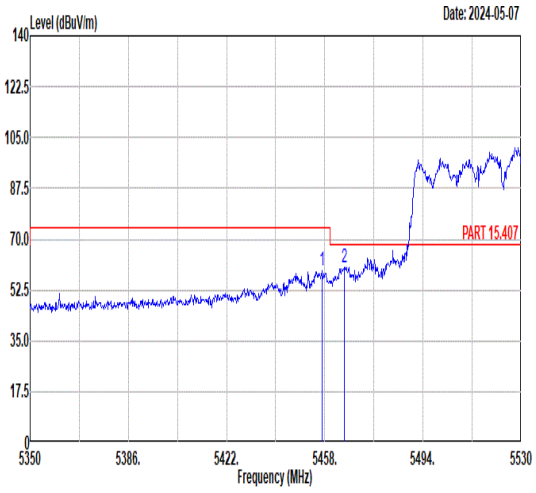
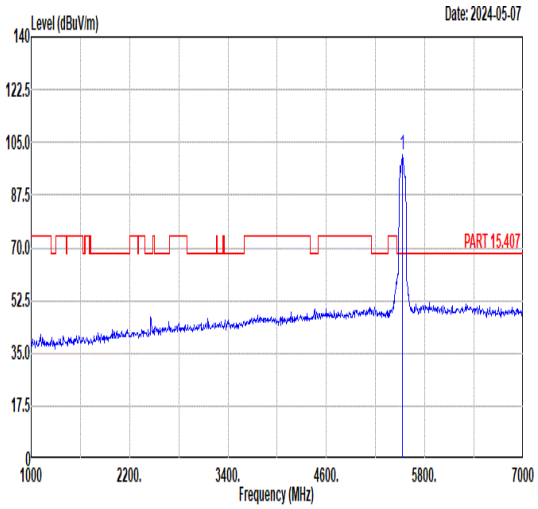
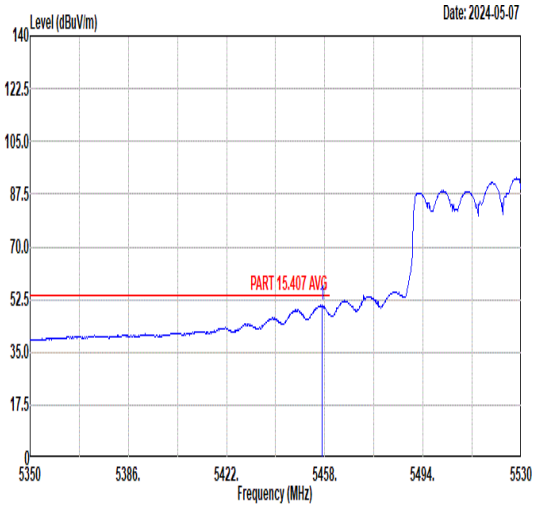
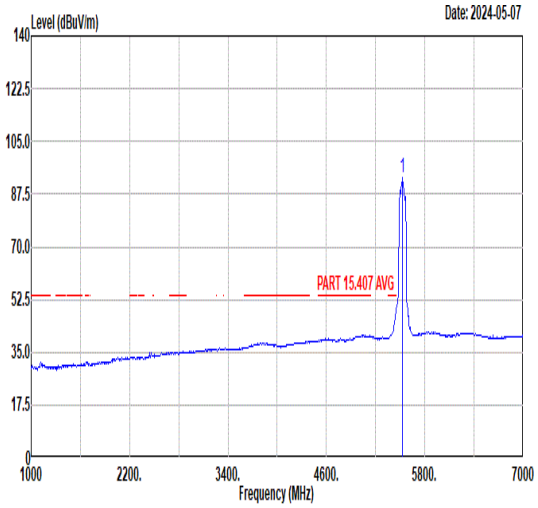
Mode	27	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11ax HE80_CH58_Full RU_5290MHz	
ANT	8+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5133.11 50.59 74.00 -23.41 40.72 34.61 7.91 32.65 109 62 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 5290.00 102.02 ------ ------ 91.72 34.73 8.15 32.58 109 62 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 5133.98 41.38 54.00 -12.62 31.51 34.61 7.91 32.65 109 62 AVERAGE	 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 5290.00 93.76 ------ ------ 83.44 34.73 8.17 32.58 109 62 AVERAGE

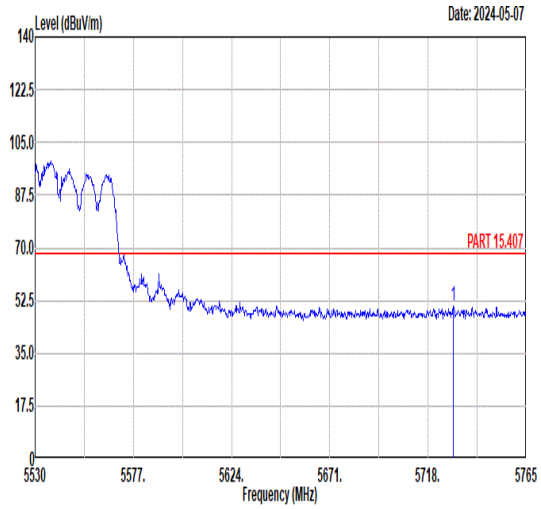
Mode	27	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11ax HE80_CH58_Full RU_5290MHz	
ANT	8+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5350.18 60.53 74.00 -13.47 49.98 34.78 8.33 32.56 109 62 PEAK	Blank
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 5350.35 50.43 54.00 -3.57 39.88 34.78 8.33 32.56 109 62 AVERAGE	Blank

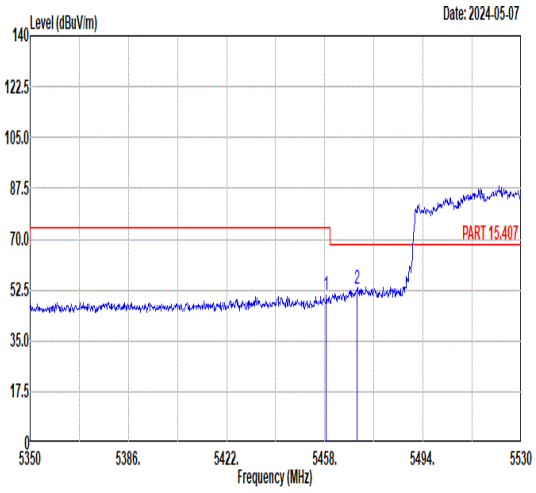
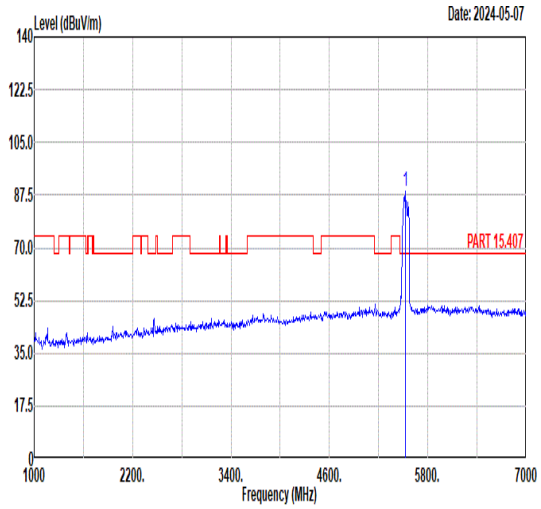
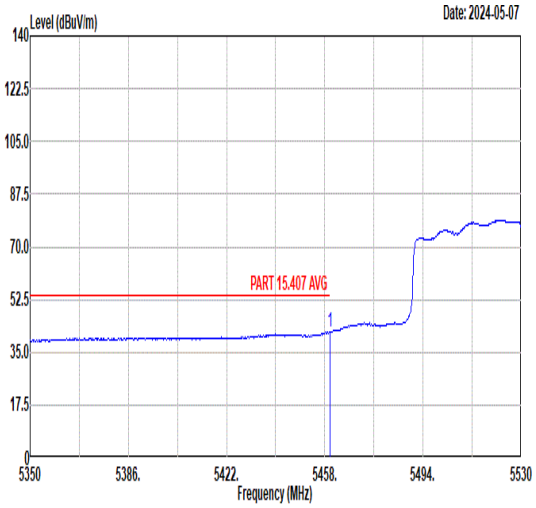
Mode	27	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11ax HE80_CH58_Full RU_5290MHz	
ANT	8+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5110.20 49.68 74.00 -24.32 39.86 34.59 7.89 32.66 100 74 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 5290.00 97.49 ------ ------ 87.17 34.73 8.17 32.58 100 74 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 5058.58 40.55 54.00 -13.45 30.82 34.55 7.86 32.68 100 74 AVERAGE	 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 5290.00 87.76 ------ ------ 77.44 34.73 8.17 32.58 100 74 AVERAGE

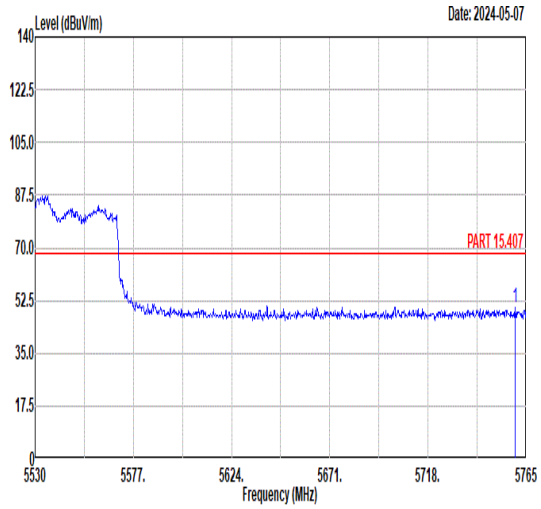
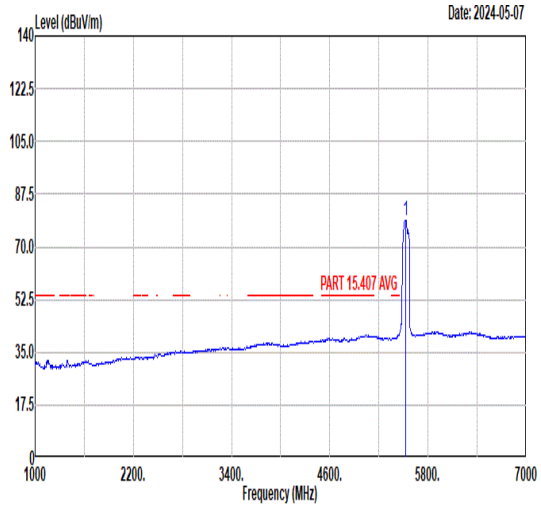
Mode	27	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11ax HE80_CH58_Full RU_5290MHz	
ANT	8+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5354.43 54.43 74.00 -19.57 43.87 34.78 8.34 32.56 100 74 PEAK	Blank
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 5354.94 46.27 54.00 -7.73 35.70 34.78 8.34 32.55 100 74 AVERAGE	Blank

Mode	28
	Band Edge - L
	U-NII-2C_5.47-5.725_802.11ax HE80_CH106_Full RU_5530MHz
ANT	8+7

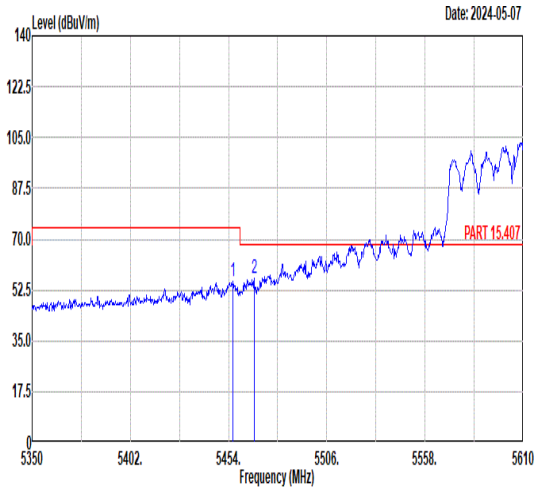
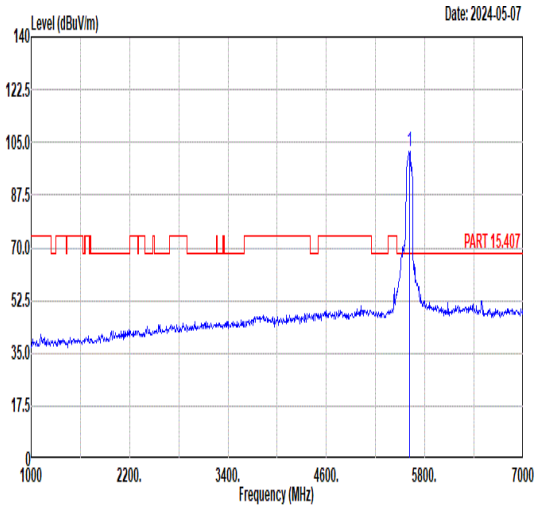
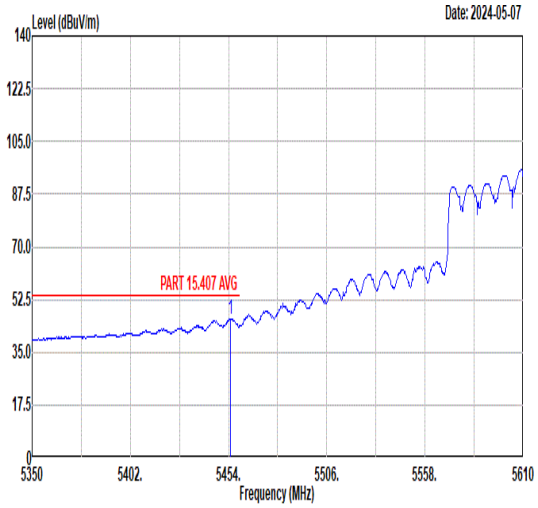
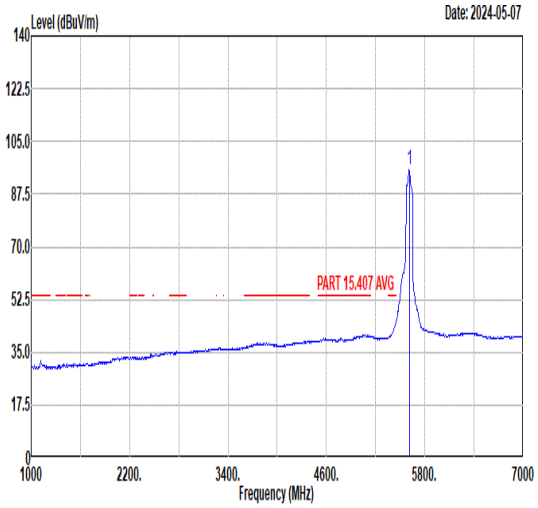
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5456.92 59.39 74.00 -14.61 48.63 34.86 8.41 32.51 100 50 PEAK 2 5465.20 60.43 68.30 -7.87 49.67 34.87 8.40 32.51 100 50 PEAK	 Freq 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 5530.00 100.82 ------ ------ 90.08 34.92 8.32 32.50 100 50 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 5456.92 50.64 54.00 -3.36 39.88 34.86 8.41 32.51 100 50 AVERAGE	 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 5530.00 92.97 ------ ------ 82.23 34.92 8.32 32.50 100 50 AVERAGE

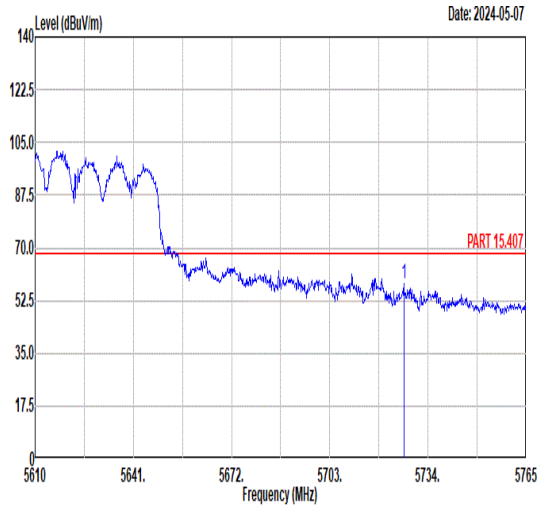
Mode	28	
	Band Edge - R	
	U-NII-2C_5.47-5.725_802.11ax HE80_CH106_Full RU_5530MHz	
ANT	8+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5730.22 50.83 68.30 -17.47 39.60 35.04 8.69 32.50 100 50 PEAK	Blank

Mode	28	
	Band Edge - L	
	U-NII-2C_5.47-5.725_802.11ax HE80_CH106_Full RU_5530MHz	
ANT	8+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 5458.54 50.46 74.00 -23.54 39.70 34.86 8.41 32.51 200 252 PEAK 2 5469.88 53.06 68.30 -15.24 42.30 34.87 8.40 32.51 200 252 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 5530.00 88.50 ------ ------ 77.77 34.91 8.32 32.50 200 252 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 5459.80 41.58 54.00 -12.42 30.82 34.86 8.41 32.51 200 252 AVERAGE	Blank

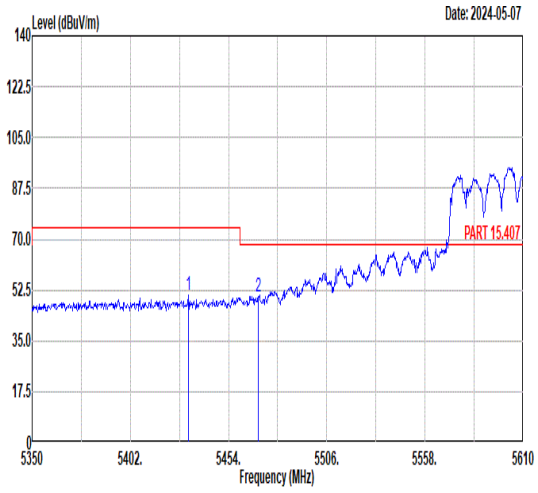
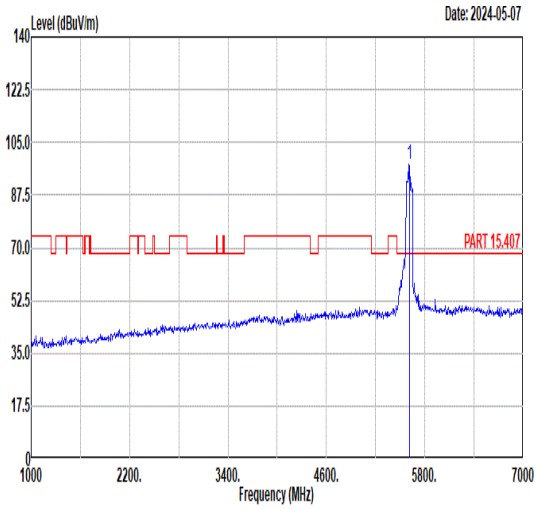
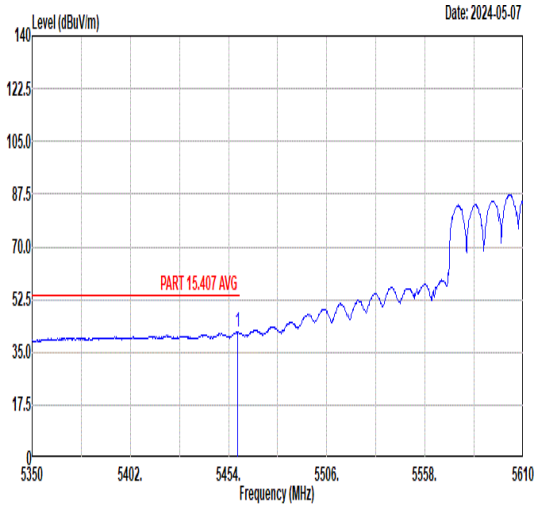
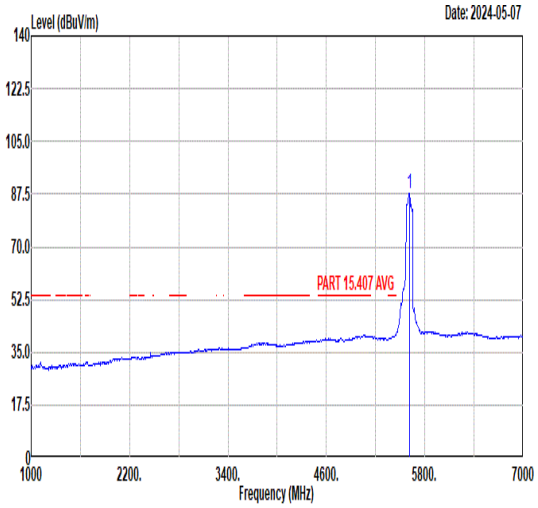
Mode	28	
	Band Edge - R	
	U-NII-2C_5.47-5.725_802.11ax HE80_CH106_Full RU_5530MHz	
ANT	8+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5759.83 50.00 68.30 -18.30 38.64 35.06 8.80 32.50 200 252 PEAK	Blank
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 5530.00 78.81 ------ ------ 68.08 34.91 8.32 32.50 200 252 AVERAGE	Blank

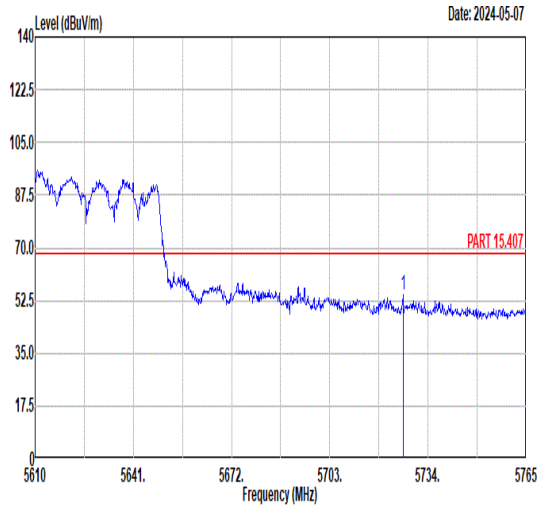
Mode	29
	Band Edge - L
	U-NII-2C_5.47-5.725_802.11ax HE80_CH122_Full RU_5610MHz
ANT	8+7

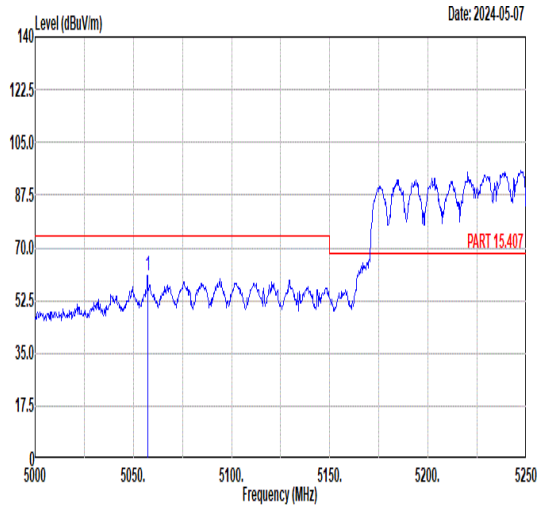
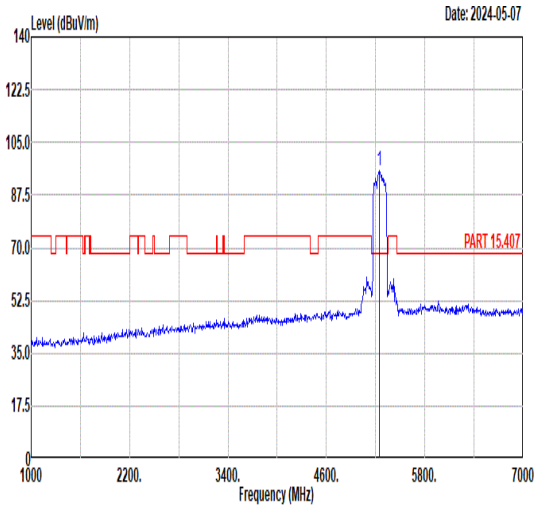
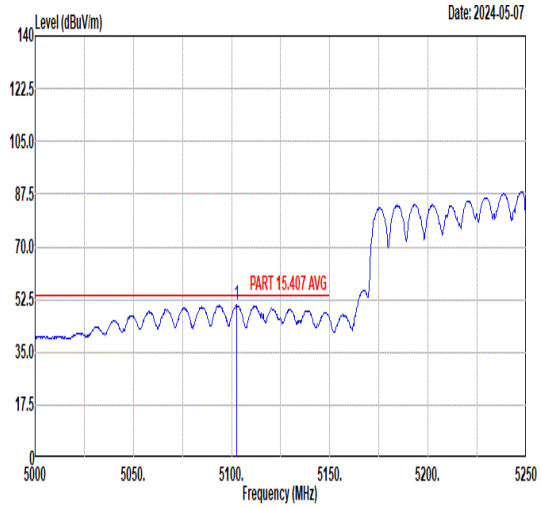
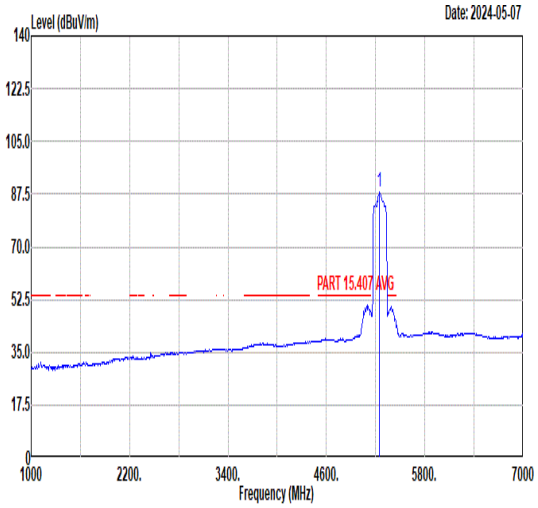
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5456.34 55.45 74.00 -18.55 44.69 34.86 8.41 32.51 100 46 PEAK 2 5467.52 56.50 68.30 -11.80 45.74 34.87 8.40 32.51 100 46 PEAK	 Freq 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 5610.00 102.05 ------ ------ 91.35 34.96 8.24 32.50 100 46 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 5455.04 46.03 54.00 -7.97 35.26 34.86 8.42 32.51 100 46 AVERAGE	 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 5610.00 95.45 ------ ------ 84.75 34.96 8.24 32.50 100 46 AVERAGE

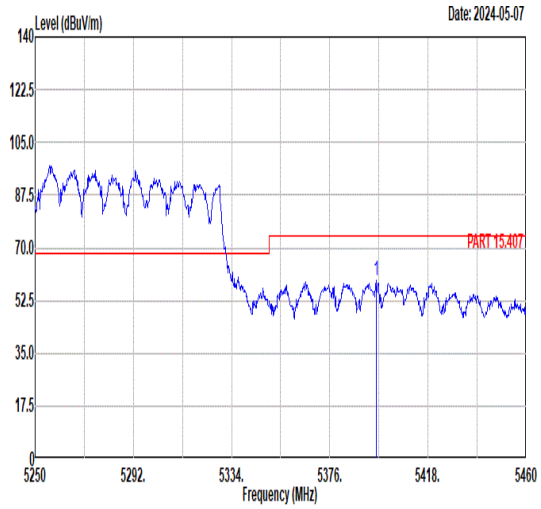
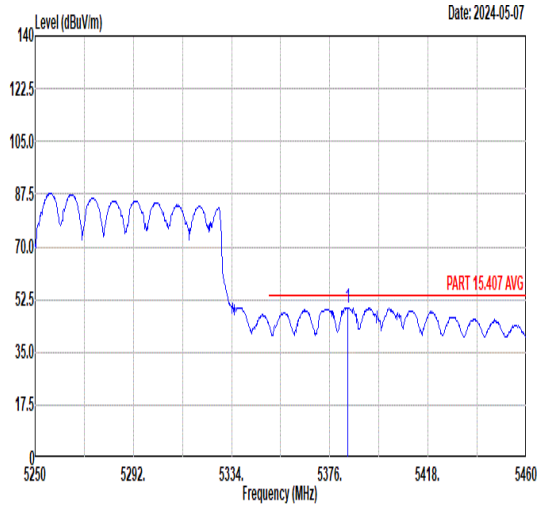
Mode	29	
	Band Edge - R	
	U-NII-2C_5.47-5.725_802.11ax HE80_CH122_Full RU_5610MHz	
ANT	8+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5726.41 57.92 68.30 -10.38 46.71 35.03 8.68 32.50 100 46 PEAK	Blank

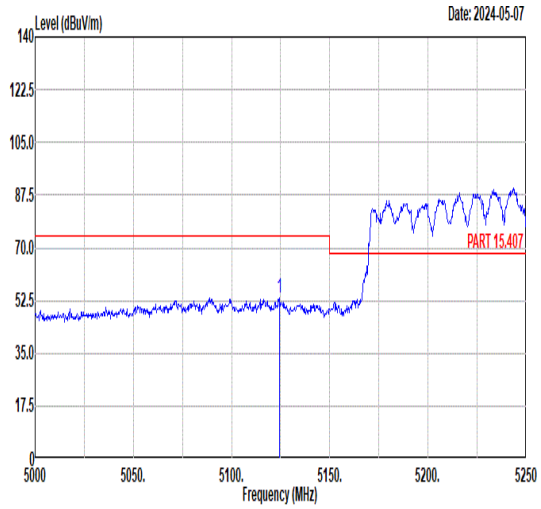
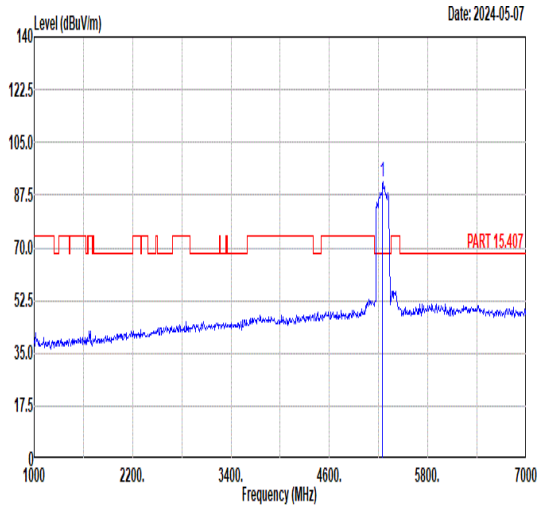
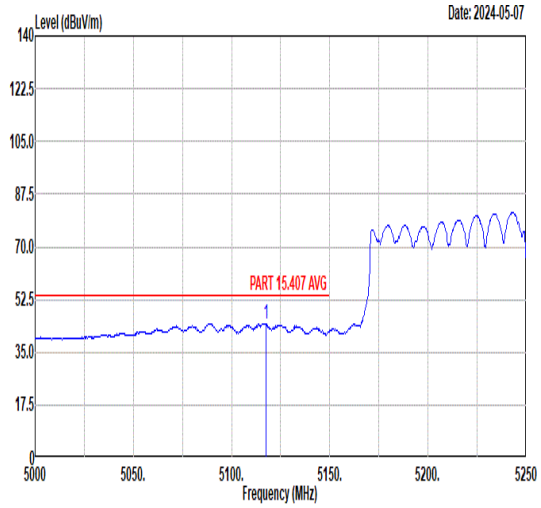
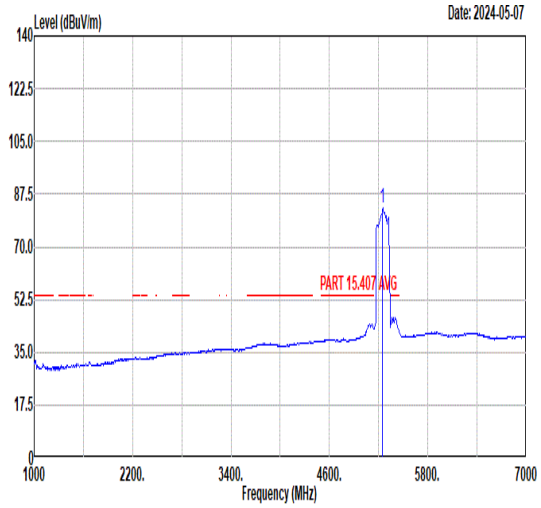
Mode	29
	Band Edge - L
	U-NII-2C_5.47-5.725_802.11ax HE80_CH122_Full RU_5610MHz
ANT	8+7

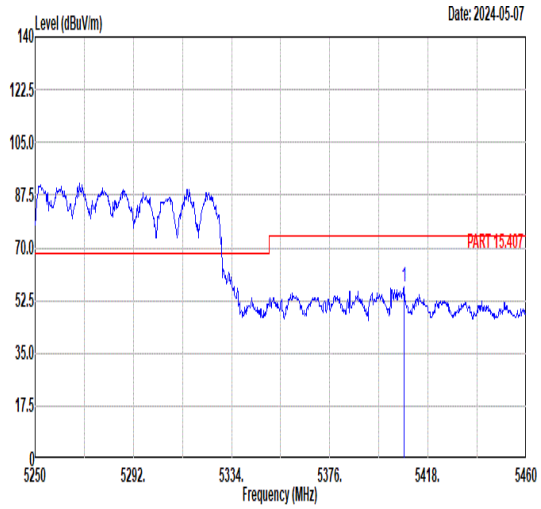
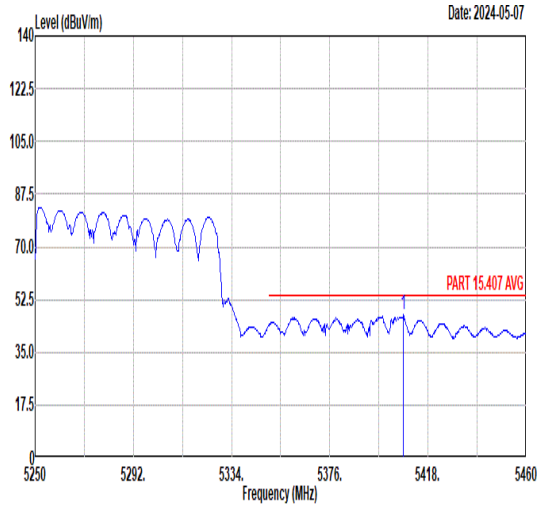
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5432.68 50.56 74.00 -23.44 39.79 34.84 8.45 32.52 200 76 PEAK 2 5469.60 50.12 68.30 -18.18 39.36 34.87 8.40 32.51 200 76 PEAK	 Freq 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 5610.00 97.59 ------ ------ 86.91 34.96 8.22 32.50 200 76 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 5458.94 41.70 54.00 -12.30 30.94 34.86 8.41 32.51 200 76 AVERAGE	 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 5610.00 87.80 ------ ------ 77.07 34.97 8.26 32.50 200 76 AVERAGE

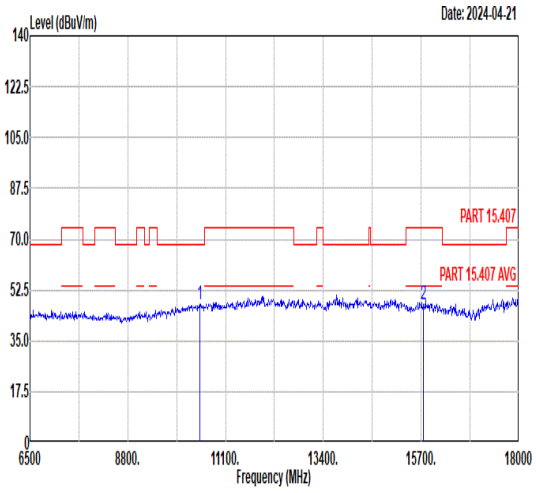
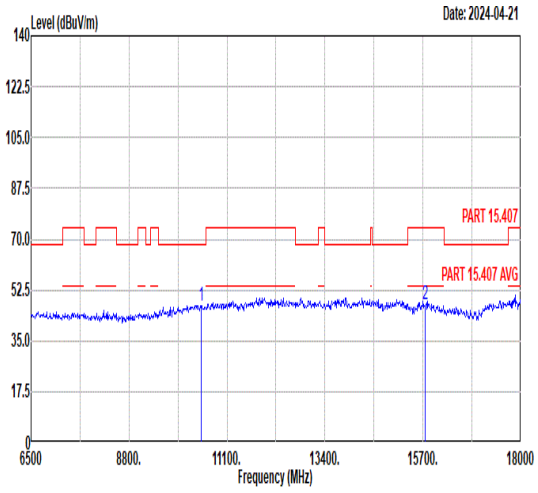
Mode	29	
	Band Edge - R	
	U-NII-2C_5.47-5.725_802.11ax HE80_CH122_Full RU_5610MHz	
ANT	8+7	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5726.10 54.67 68.30 -13.63 43.46 35.03 8.68 32.50 200 76 PEAK	Blank

Mode	30	
	Band Edge - L	
	U-NII-2A_5.15-5.35_802.11ax HE160_CH50_Full RU_5250MHz	
ANT	8+7	
Pol.	Horizontal	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 5057.25 60.81 74.00 -13.19 51.08 34.55 7.86 32.68 100 57 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 5250.00 95.58 ------ ------ 85.42 34.70 8.06 32.60 100 57 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 5102.75 50.51 54.00 -3.49 40.70 34.58 7.89 32.66 100 57 AVERAGE	 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 5250.00 88.20 ------ ------ 78.04 34.70 8.06 32.60 100 57 AVERAGE

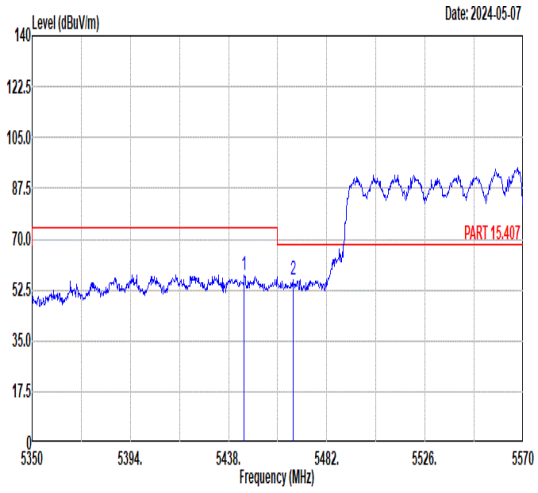
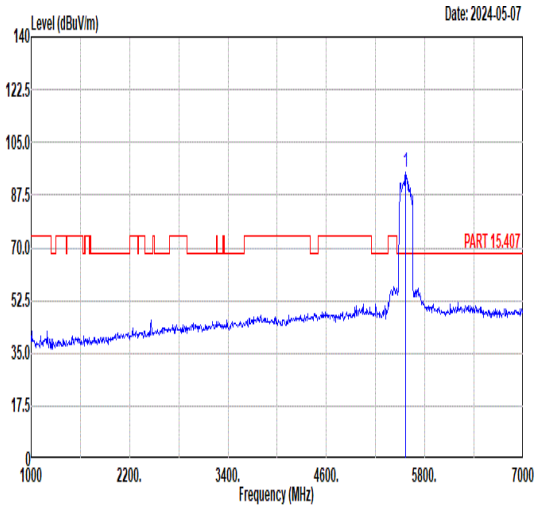
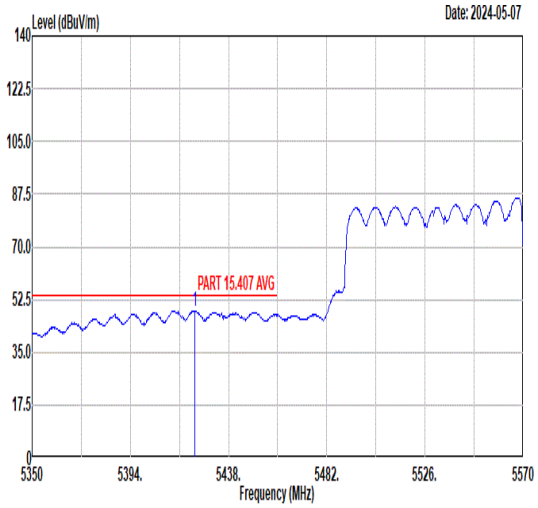
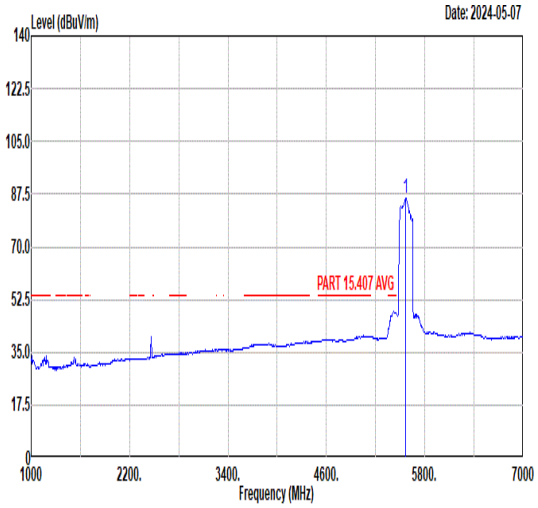
Mode	30	
	Band Edge - R	
	U-NII-2A_5.15-5.35_802.11ax HE160_CH50_Full RU_5250MHz	
ANT	8+7	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5395.74 58.96 74.00 -15.04 48.24 34.81 8.45 32.54 100 57 PEAK	Blank
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 5383.56 49.88 54.00 -4.12 39.20 34.80 8.42 32.54 100 57 AVERAGE	Blank

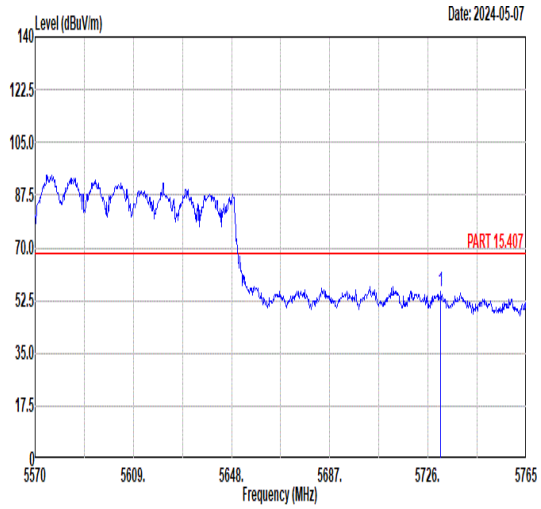
Mode	30	
	Band Edge - L	
	U-NII-2A_5.15-5.35_802.11ax HE160_CH50_Full RU_5250MHz	
ANT	8+7	
Pol.	Vertical	Fundamental
Peak	 Limit Read Ant Cable Preamp APos TPos Freq Level Line Margin Level Factor Loss Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5124.50 53.58 74.00 -20.42 43.73 34.60 7.90 32.65 100 64 PEAK	 Limit Read Ant Cable Preamp APos TPos Freq Level Line Margin Level Factor Loss Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5250.00 91.90 ------ ------ 81.73 34.70 8.07 32.60 100 64 PEAK
Avg	 Limit Read Ant Cable Preamp APos TPos Freq Level Line Margin Level Factor Loss Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5117.50 44.59 54.00 -9.41 34.74 34.60 7.90 32.65 100 64 AVERAGE	 Limit Read Ant Cable Preamp APos TPos Freq Level Line Margin Level Factor Loss Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5250.00 82.74 ------ ------ 72.57 34.70 8.07 32.60 100 64 AVERAGE

Mode	30	
	Band Edge - R	
	U-NII-2A_5.15-5.35_802.11ax HE160_CH50_Full RU_5250MHz	
ANT	8+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 5407.71 57.09 74.00 -16.91 46.32 34.82 8.48 32.53 100 64 PEAK	Blank
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 5407.50 47.55 54.00 -6.45 36.78 34.82 8.48 32.53 100 64 AVERAGE	Blank

Mode	30	
	Harmonic	
	U-NII-2A_5.15-5.35_802.11ax HE160_CH50_Full RU_5250MHz	
ANT	8+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 10500.00 47.53 68.30 -20.77 58.04 37.50 10.83 58.84 -- -- Peak 2 15750.00 47.73 74.00 -26.27 55.07 39.10 12.71 59.15 -- -- 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 10500.00 46.84 68.30 -21.46 57.35 37.50 10.83 58.84 -- -- Peak 2 15750.00 47.36 74.00 -26.64 54.70 39.10 12.71 59.15 -- -- Peak

Mode	31
	Band Edge - L
	U-NII-2C_5.47-5.725_802.11ax HE160_CH114_Full RU_5570MHz
ANT	8+7

Pol.	Horizontal	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 5445.04 57.66 74.00 -16.34 46.90 34.85 8.43 32.52 100 299 PEAK 2 5466.82 55.75 68.30 -12.55 44.99 34.87 8.40 32.51 100 299 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 5570.00 95.24 ------ ------ 84.53 34.94 8.27 32.50 100 299 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 5422.82 48.75 54.00 -5.25 37.98 34.84 8.46 32.53 100 299 AVERAGE	 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 5570.00 86.37 ------ ------ 75.66 34.94 8.27 32.50 100 299 AVERAGE

Mode	31	
	Band Edge - R	
	U-NII-2C_5.47-5.725_802.11ax HE160_CH114_Full RU_5570MHz	
ANT	8+7	
Pol.	Horizontal	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 5731.07 55.59 68.30 -12.71 44.35 35.04 8.70 32.50 100 299 PEAK	Blank