FCC RF Test Report

APPLICANT	:	Realme Chongqing Mobile Telecommunications Corp., Ltd.
EQUIPMENT	:	Mobile Phone
BRAND NAME	:	realme
MODEL NAME	:	RMX5111
FCC ID	:	2AUYFRMX5111
STANDARD	:	FCC Part 15 Subpart E §15.407
CLASSIFICATION	:	(NII) Unlicensed National Information Infrastructure
TEST DATE(S)	:	Jun. 20, 2025 ~ Jun. 28, 2025

We, Sporton International Inc. (ShenZhen), would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Fly Liang

Approved by: Fly Liang

ACCREDITED
Cert #5145.01

Sporton International Inc. (ShenZhen)

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 5
1.5 Modification of EUT 6
1.6 Testing Location 6
1.7 Test Software 6
1.8 Applicable Standards 6

2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST **7**

2.1 Carrier Frequency and Channel 7
2.2 Test Mode 8
2.3 Connection Diagram of Test System 9
2.4 Support Unit used in test configuration and system 10
2.5 EUT Operation Test Setup 10
2.6 Measurement Results Explanation Example 10

3 TEST RESULT **11**

3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement 11
3.2 Maximum Conducted Output Power Measurement 16
3.3 Power Spectral Density Measurement 17
3.4 Unwanted Emissions Measurement 19
3.5 AC Conducted Emission Measurement 23
3.6 Antenna Requirements 25

4 LIST OF MEASURING EQUIPMENT **26**

5 MEASUREMENT UNCERTAINTY **27**

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
FR551908F	Rev. 01	Initial issue of report	Jul. 17, 2025

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	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	≤ 30 dBm	Pass	-
3.3	15.407(a)	Power Spectral Density	≤ 30 dBm/500kHz	Pass	-
3.4	15.407(b)	Unwanted Emissions	15.407(b)(4)(i) &15.209(a)	Pass	Under limit 5.64 dB at 5652.15 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 17.19 dB at 0.37 MHz
3.6	15.203 & 15.407(a)	Antenna Requirement	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

Realme Chongqing Mobile Telecommunications Corp., Ltd.
No.178 Yulong Avenue,Yufengshan,Yubei District,Chongqing,China

1.2 Manufacturer

Realme Chongqing Mobile Telecommunications Corp., Ltd.
No.178 Yulong Avenue,Yufengshan,Yubei District,Chongqing,China

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	realme
Model Name	RMX5111
FCC ID	2AUYFRMX5111
IMEI Code	Conducted: 865838080031732/865838080031724 Conduction: 865838080030452/865838080030445 Radiation: 865838080030676/865838080030668
HW Version	11
SW Version	realme UI 6.0
EUT Stage	Production Unit

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

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5745 MHz ~ 5825 MHz
Maximum Output Power to Antenna	802.11a : 11.18 dBm / 0.0131 W 802.11ac VHT20: 11.12 dBm / 0.0129 W 802.11ac VHT40: 11.64 dBm / 0.0146 W 802.11ac VHT80: 10.68 dBm / 0.0117 W
99% Occupied Bandwidth	802.11a : 17.66 MHz 802.11ac VHT20 : 18.34 MHz 802.11ac VHT40 : 36.98 MHz 802.11ac VHT80 : 75.78 MHz
Antenna Type / Gain	PIFA Antenna with gain -0.60 dBi
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)

Note: For 802.11n HT20 / ac VHT20 and 802.11n HT40 / ac VHT40 mode, the whole testing has assessed only 802.11ac VHT20/ VHT40 by referring to their higher conducted power.

1.5 Modification of EUT

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

1.6 Testing Location

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

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	TH01-SZ CO02-SZ ; 03CH04-SZ	CN1256	421272

1.7 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH04-SZ	AUDIX	E3	6.2009-8-24
2.	CO02-SZ	AUDIX	E3	6.120613b

1.8 Applicable Standards

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

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

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Z/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)
U-NII-3	149	5745	157	5785
	151*	5755	159*	5795
	153	5765	161	5805
	155#	5775	165	5825

Note:

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

2.2 Test Mode

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

SISO Mode

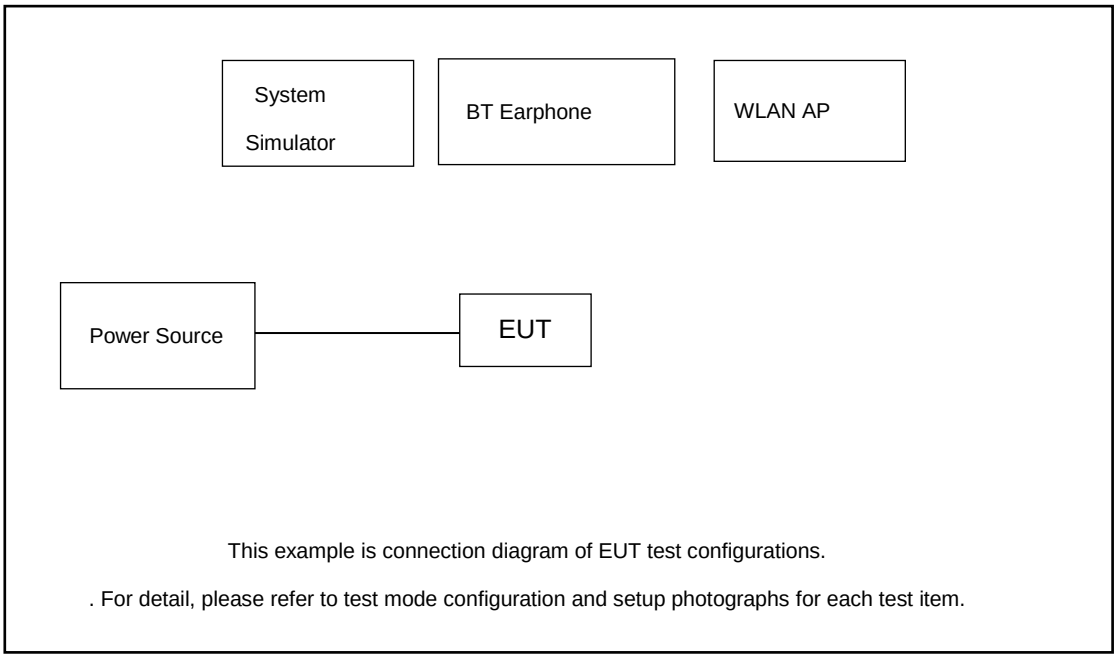
Modulation	Data Rate
802.11a	6 Mbps
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0

AC Conducted Emission	Mode 1 : GSM 850 Idle + Bluetooth Link + WLAN Link (5G) + Adapter 1 + USB Cable1 + Battery 1
Remark: For Radiated Test Cases, The tests were performance with Adapter 1 and USB Cable1.	

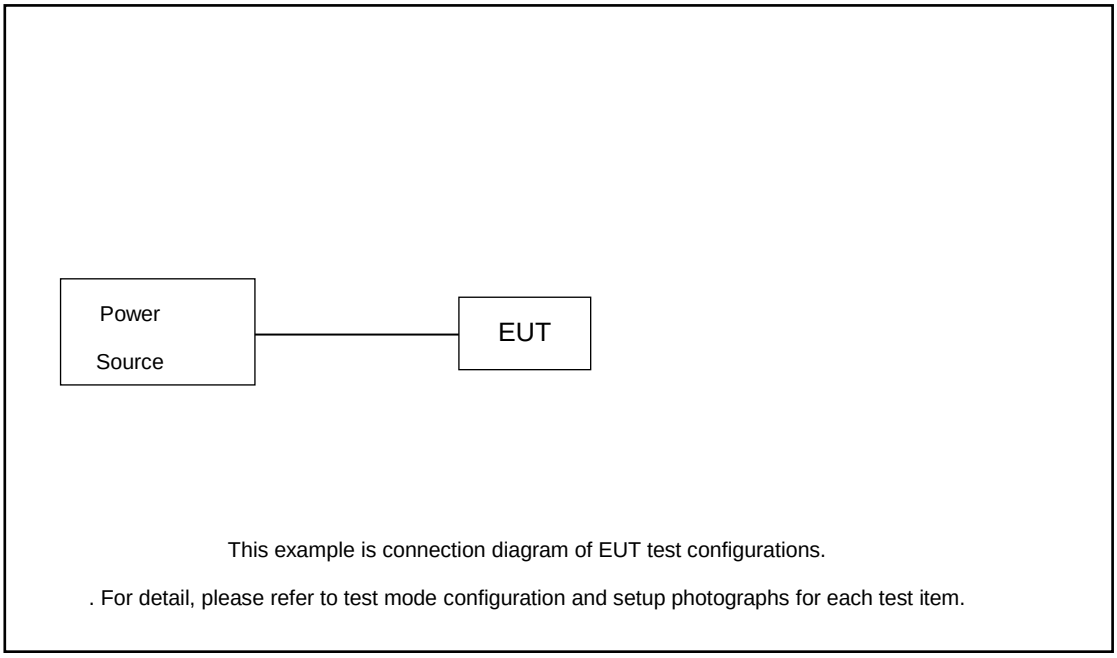
Ch. #		U-NII-3		
		20M BW	40M BW	80M BW
L	Low	149	151	-
M	Middle	157	-	155
H	High	165	159	-

2.3 Connection Diagram of Test System

AC Conducted Emission:



Radiated Emission:



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m
2.	Notebook	DELL	Latiude 3400	N/A	N/A	Unshielded,1.8m
3.	Bluetooth Earphone	Lenovo	thinkplus-BH3	N/A	N/A	N/A
4.	WLAN AP	Dlink	DIR-820L	KA2IR820LA1	N/A	Unshielded,1.8m

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 2.80 dB and 10dB attenuator.

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

= 2.80 + 10 = 12.80 (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.

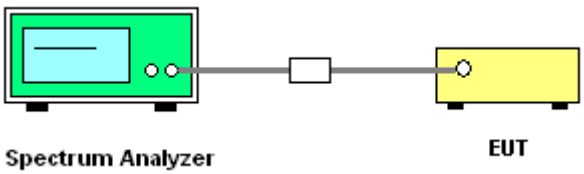
3.1.2 Measuring Instruments

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) Emission bandwidth for the band 5.725-5.85GHz
2. For 6dB BW, Set RBW = 100kHz.
   For 26dB BW, Set RBW = approximately 1% of the emission bandwidth.
   For 99% OBW, Set RBW = 1% to 5% of the OBW.
3. For 26dB BW, Set the VBW > RBW.
   For 6dB BW & 99% OBW, Set the VBW ≥ 3 x RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
7. Measure and record the results in the test report.

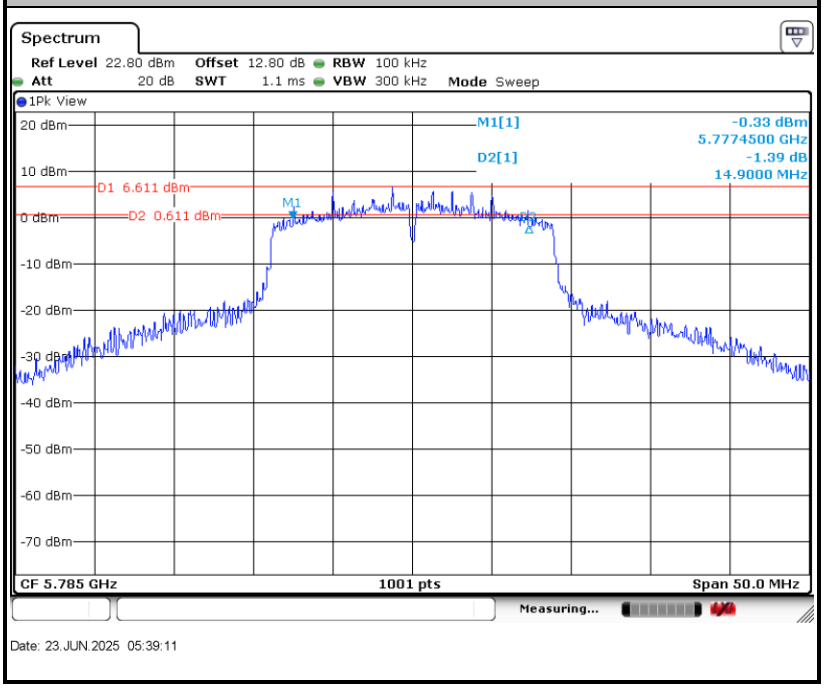
3.1.4 Test Setup



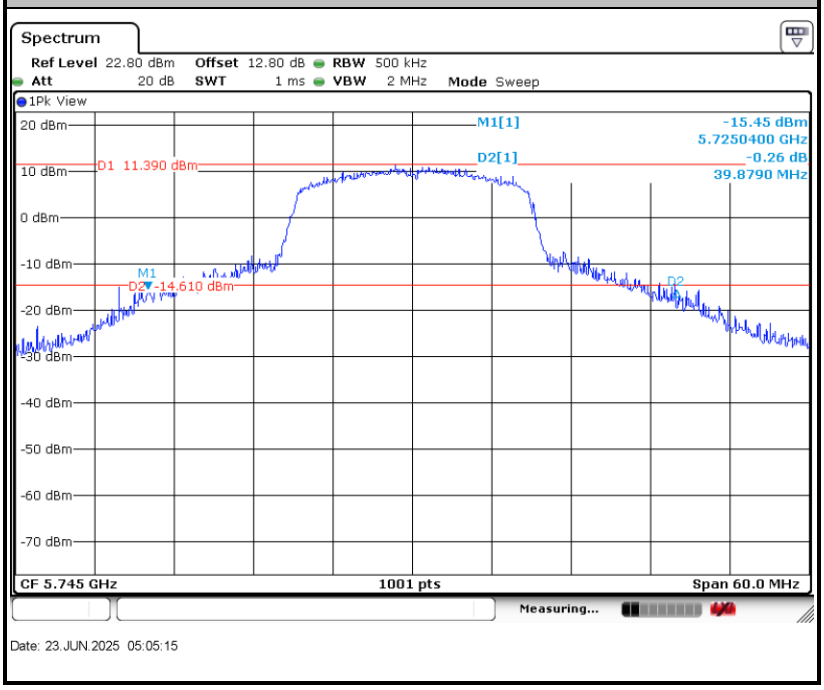
3.1.5 Test Result of 6dB Bandwidth

Please refer to Appendix A.

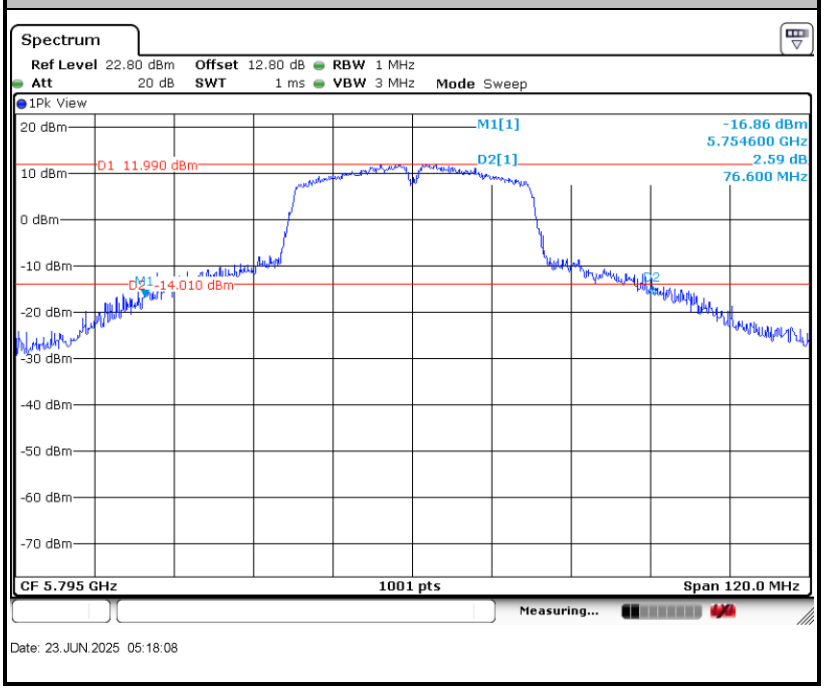
Minimum 6dB Bandwidth



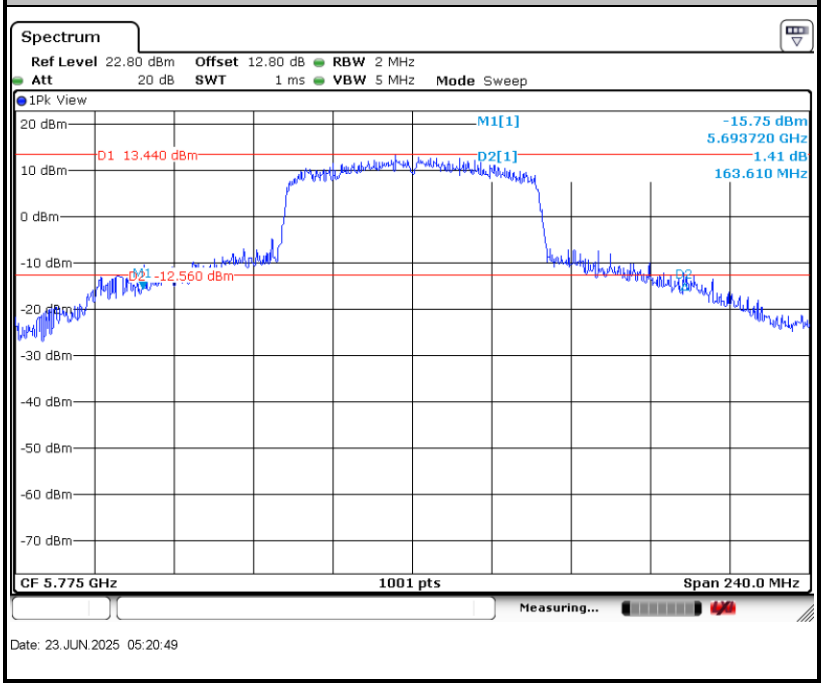
Maximum 26dB Bandwidth for 20M BW



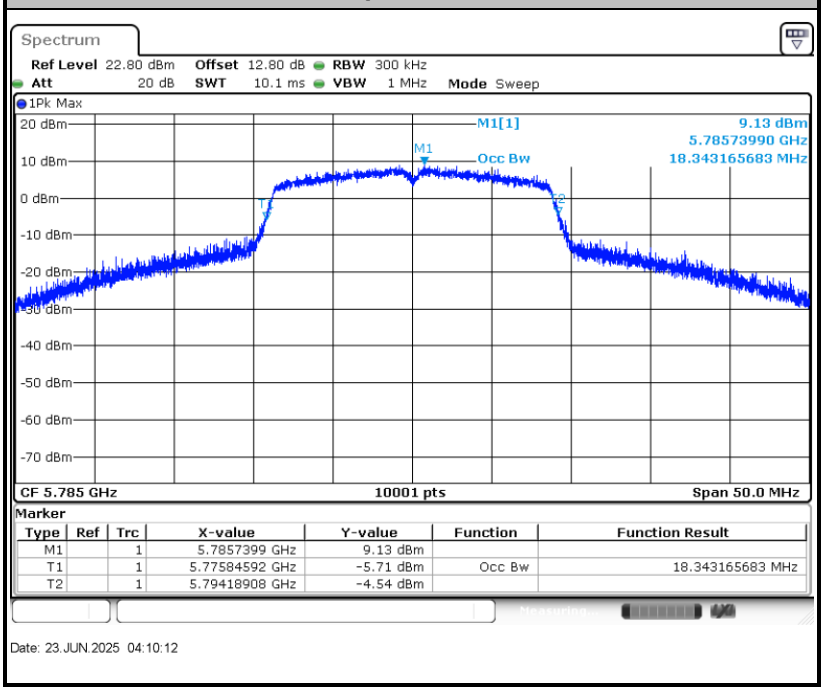
Maximum 26dB Bandwidth for 40M BW



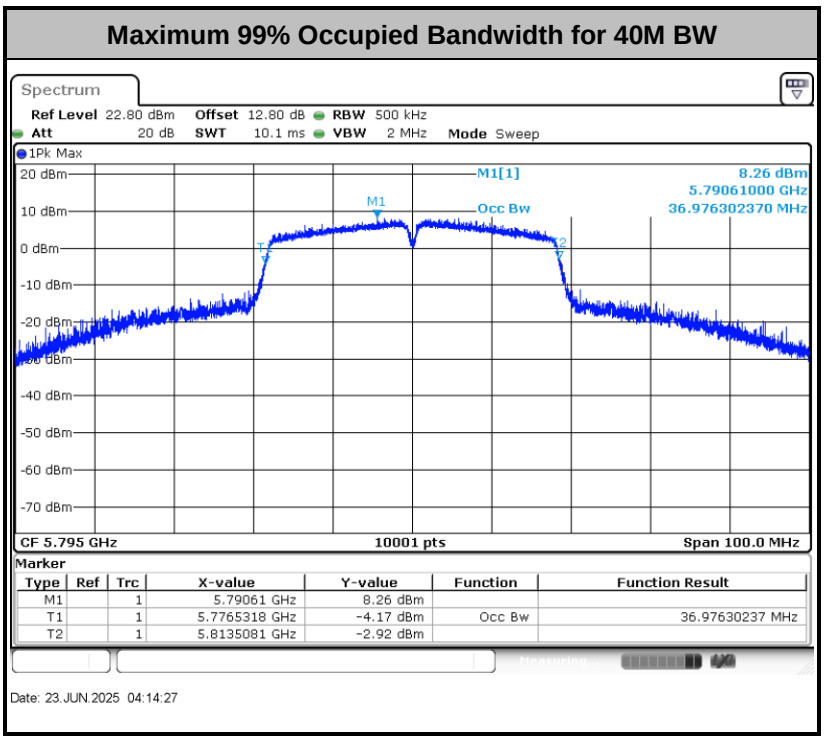
Maximum 26dB Bandwidth for 80M BW



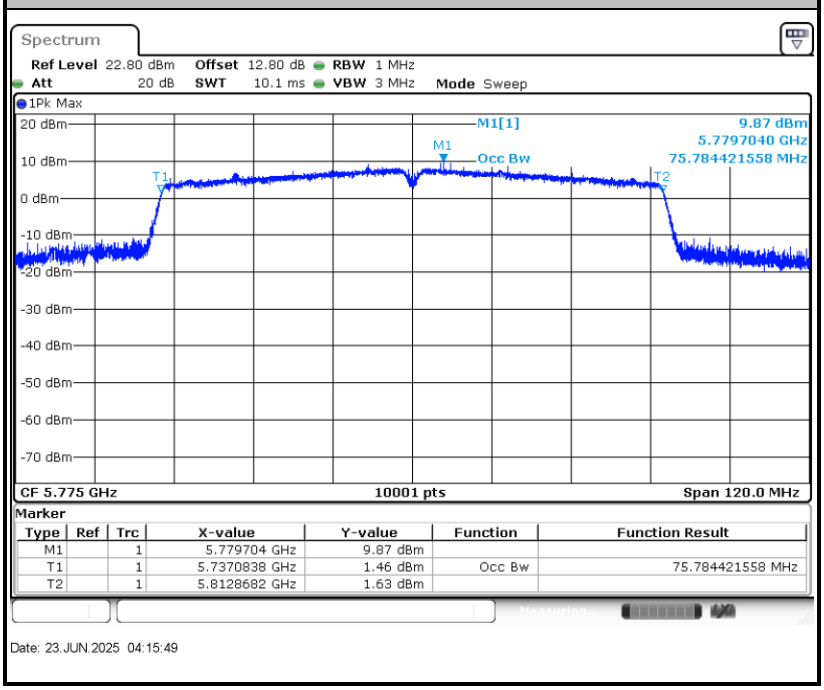
Maximum 99% Occupied Bandwidth for 20M BW



Maximum 99% Occupied Bandwidth for 40M BW



Maximum 99% Occupied Bandwidth for 80M BW



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

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

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.

3.2.2 Measuring Instruments

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

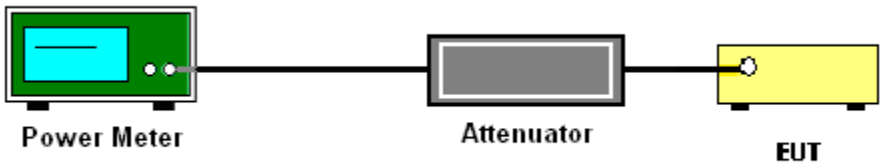
3.2.3 Test Procedures

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.

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

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

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.

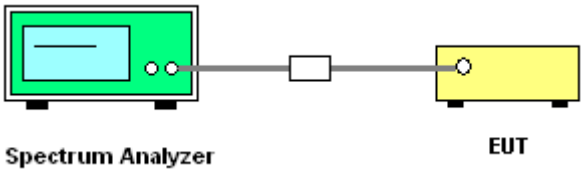
 # Method SA-2 #

(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.

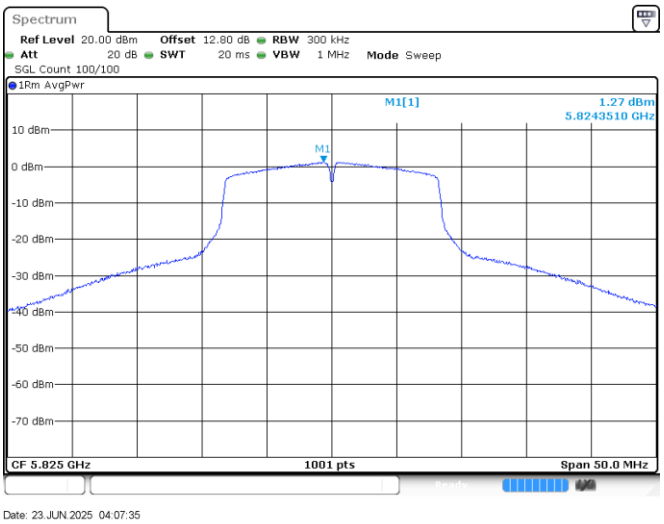
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/300kHz)



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

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 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.

(2) 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

(3) 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

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

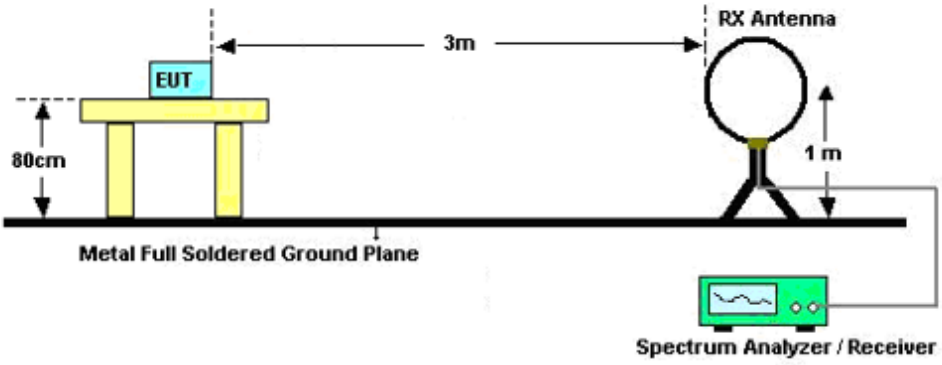
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

   - 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 and is transmitting at its maximum power control level for the tested mode of operation.

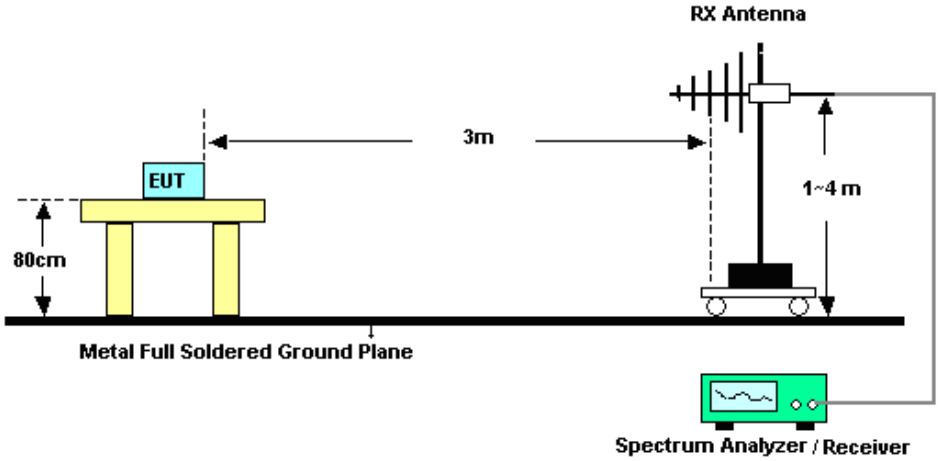
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband 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

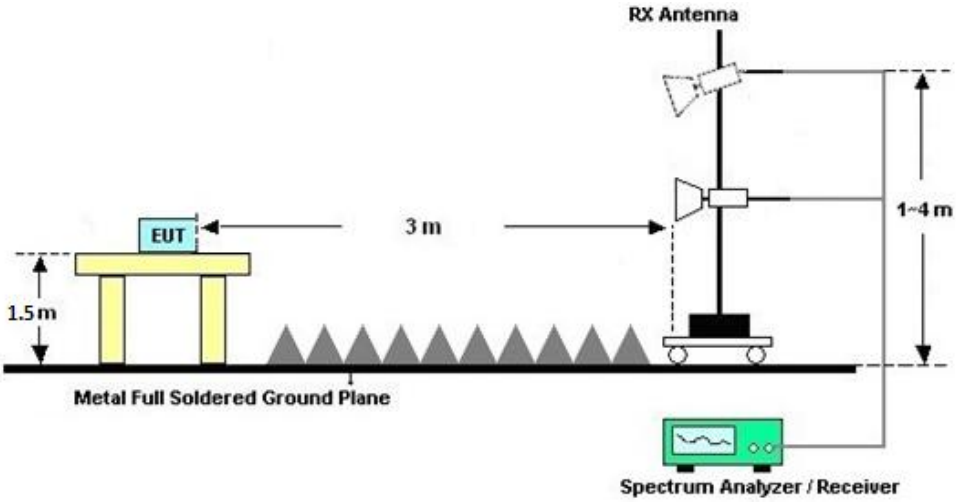
For radiated emissions below 30MHz



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.

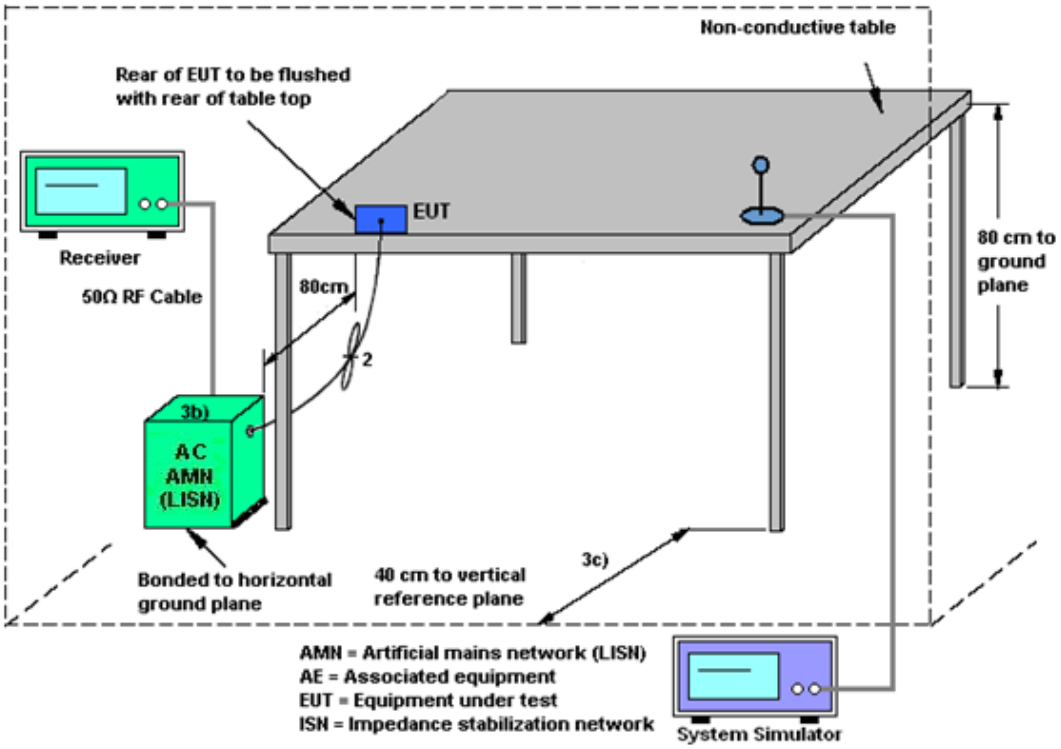
3.5.2 Measuring Instruments

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

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	R&S	ESR7	101404	9kHz~7GHz	Oct. 14, 2024	Jun. 21, 2025~ Jun. 28, 2025	Oct. 13, 2025	Radiation (03CH04-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2024	Jun. 21, 2025~ Jun. 28, 2025	Jul. 02, 2025	Radiation (03CH04-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Jun. 21, 2025~ Jun. 28, 2025	Dec. 27, 2025	Radiation (03CH04-SZ)
Bilog Antenna	TeseQ	CBL6111D	41909	30MHz~1GHz	May. 09, 2025	Jun. 21, 2025~ Jun. 28, 2025	May. 08, 2026	Radiation (03CH04-SZ)
Double Ridge Guide Antenna	ETS-Lindgren	Burgeon-3117	00240057	1GHz~18GHz	Jul. 03, 2024	Jun. 21, 2025~ Jun. 28, 2025	Jul. 02, 2025	Radiation (03CH04-SZ)
Horn Antenna	SCHWARZBECK	BBHA9170	9170#679	15GHz~40GHz	Jul. 04, 2024	Jun. 21, 2025~ Jun. 28, 2025	Jul. 03, 2025	Radiation (03CH04-SZ)
LF Amplifier	EM Electronics	EM330	060773	20MHz-3GHz	Apr. 02, 2025	Jun. 21, 2025~ Jun. 28, 2025	Apr. 01, 2026	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 14, 2024	Jun. 21, 2025~ Jun. 28, 2025	Oct. 13, 2025	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2024	Jun. 21, 2025~ Jun. 28, 2025	Jul. 02, 2025	Radiation (03CH04-SZ)
Amplifier	Agilent Technologies	83017A	MY57280136	500MHz~26.5GHz	Jul. 03, 2024	Jun. 21, 2025~ Jun. 28, 2025	Jul. 02, 2025	Radiation (03CH04-SZ)
AC Power Source	APC	AFV-S-600B	F119050019	N/A	Oct. 14, 2024	Jun. 21, 2025~ Jun. 28, 2025	Oct. 13, 2025	Radiation (03CH04-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Jun. 21, 2025~ Jun. 28, 2025	NCR	Radiation (03CH04-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Jun. 21, 2025~ Jun. 28, 2025	NCR	Radiation (03CH04-SZ)
EMI Receiver	R&S	ESR7	102297	9kHz~7GHz;	Jul. 03, 2024	Jun. 21, 2025	Jul. 02, 2025	Conduction (CO02-SZ)
AC LISN	R&S	ENV216	101499	9kHz~30MHz	Jul. 03, 2024	Jun. 21, 2025	Jul. 02, 2025	Conduction (CO02-SZ)
AC Power Source	CHROMA	61601	616010002470	100Vac~250Vac	Dec.25, 2024	Jun. 21, 2025	Dec. 24, 2025	Conduction (CO02-SZ)
Thermo meter	Anymetre	JR593	#14	- 10℃ ~ 50℃ 10%RH~99%RH	Jul. 05, 2024	Jun. 21, 2025	Jul. 04, 2025	Conduction (CO02-SZ)
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 02, 2025	Jun. 20, 2025~ Jun. 23, 2025	Apr. 01, 2026	Conducted (TH01-SZ)
Pulse Power Senor	Anritsu	MA2411B	1339473	30MHz~40GHz	Dec. 25, 2024	Jun. 20, 2025~ Jun. 23, 2025	Dec. 24, 2025	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1218010	50MHz Bandwidth	Oct. 14, 2024	Jun. 20, 2025~ Jun. 23, 2025	Oct. 13, 2025	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V，3A	Oct. 14,2024	Jun. 20, 2025~ Jun. 23, 2025	Oct. 13, 2025	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 03, 2024	Jun. 20, 2025~ Jun. 23, 2025	Jul. 02, 2025	Conducted (TH01-SZ)

NCR: No Calibration Required

5 Measurement Uncertainty

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

Uncertainty of Conducted Measurement

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

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.1 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.1 dB

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.1 dB

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

Appendix A. Conducted Test Results

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Heqingsheng	Temperature:	21~25	°C
Test Date:	2025/6/20~2025/6/23	Relative Humidity:	51~54	%

Report Number : FR551908F

TEST RESULTS DATA
Average Power Table

<U-NII-3>											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)	/	Pass/Fail	Setting
11a	6M bps	1	149	5745	0.15	9.41	30.00	-0.60	/	Pass	11.5
11a	6Mbps	1	157	5785	0.15	9.49	30.00	-0.60		Pass	11
11a	6Mbps	1	165	5825	0.15	11.18	30.00	-0.60		Pass	13
VHT20	MCS 0	1	149	5745	0.16	9.88	30.00	-0.60		Pass	11.5
VHT20	MCS 0	1	157	5785	0.16	9.93	30.00	-0.60		Pass	11.5
VHT20	MCS 0	1	165	5825	0.16	11.12	30.00	-0.60		Pass	13
VHT40	MCS 0	1	151	5755	0.40	11.64	30.00	-0.60		Pass	13
VHT40	MCS 0	1	159	5795	0.40	11.58	30.00	-0.60		Pass	13
VHT80	MCS 0	1	155	5775	0.44	10.68	30.00	-0.60		Pass	12.5

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

<U-NII-3>									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)	6 dB Bandwidth (MHz)	6dB Bandwidth min. Limit (MHz)	Pass/Fail
11a	6M bps	1	149	5745	17.46	38.20	15.10	0.5	Pass
11a	6Mbps	1	157	5785	17.66	37.23	15.20	0.5	Pass
11a	6Mbps	1	165	5825	17.60	37.96	15.20	0.5	Pass
VHT20	MCS 0	1	149	5745	18.33	39.88	15.15	0.5	Pass
VHT20	MCS 0	1	157	5785	18.34	39.40	14.90	0.5	Pass
VHT20	MCS 0	1	165	5825	18.28	39.82	15.15	0.5	Pass
VHT40	MCS 0	1	151	5755	36.92	76.36	35.28	0.5	Pass
VHT40	MCS 0	1	159	5795	36.98	76.60	35.28	0.5	Pass
VHT80	MCS 0	1	155	5775	75.78	163.61	75.52	0.5	Pass

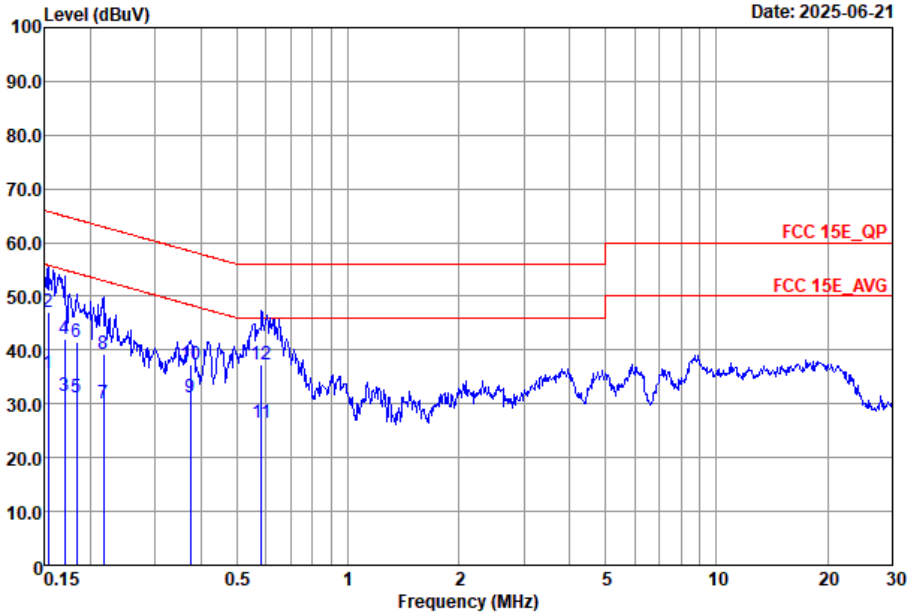
Report Number : FR551908F

TEST RESULTS DATA
Power Spectral Density

<U-NII-3>										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	10log (500kHz /RBW) Factor (dB)	Average Power Density (dBm/500kHz)	Average PSD Limit (dBm/500kHz)	DG (dBi)	Pass/Fail
11a	6M bps	1	149	5745	0.15	2.22	3.61	30.00	-0.60	Pass
11a	6Mbps	1	157	5785	0.15	2.22	3.54	30.00	-0.60	Pass
11a	6Mbps	1	165	5825	0.15	2.22	3.64	30.00	-0.60	Pass
VHT20	MCS 0	1	149	5745	0.16	2.22	3.39	30.00	-0.60	Pass
VHT20	MCS 0	1	157	5785	0.16	2.22	3.22	30.00	-0.60	Pass
VHT20	MCS 0	1	165	5825	0.16	2.22	3.29	30.00	-0.60	Pass
VHT40	MCS 0	1	151	5755	0.40	2.22	0.27	30.00	-0.60	Pass
VHT40	MCS 0	1	159	5795	0.40	2.22	0.28	30.00	-0.60	Pass
VHT80	MCS 0	1	155	5775	0.44	2.22	-2.78	30.00	-0.60	Pass

Appendix B. AC Conducted Emission Test Results

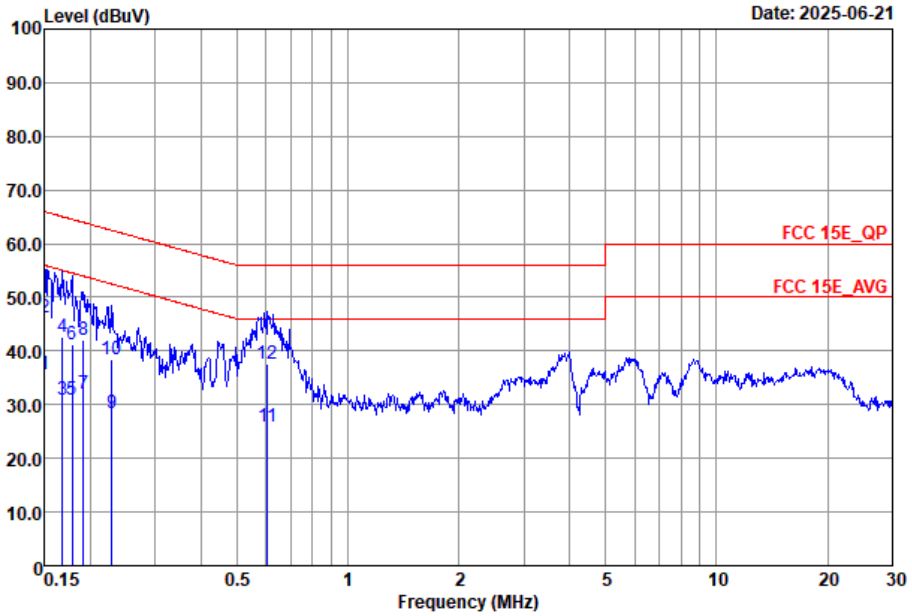
Test Engineer :	Nathon	**Temperature :**	22~24℃
		Relative Humidity :	44~50%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



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

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.15	35.75	-20.03	55.78	15.90	9.66	10.19	Average
2	*	0.15	47.15	-18.63	65.78	27.30	9.66	10.19	QP
3		0.17	31.57	-23.37	54.94	11.71	9.68	10.18	Average
4		0.17	41.97	-22.97	64.94	22.11	9.68	10.18	QP
5		0.18	31.28	-23.05	54.33	11.41	9.69	10.18	Average
6		0.18	41.58	-22.75	64.33	21.71	9.69	10.18	QP
7		0.22	30.20	-22.72	52.92	10.30	9.71	10.19	Average
8		0.22	39.40	-23.52	62.92	19.50	9.71	10.19	QP
9		0.37	31.24	-17.19	48.43	11.30	9.72	10.22	Average
10		0.37	37.24	-21.19	58.43	17.30	9.72	10.22	QP
11		0.58	26.60	-19.40	46.00	6.70	9.66	10.24	Average
12		0.58	37.30	-18.70	56.00	17.40	9.66	10.24	QP

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



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

	Freq MHz	Level dBuV	Over Limit dB	Limit Line dBuV	Read Level dBuV	LISN Factor dB	Cable Loss dB	Remark
1	0.15	35.54	-20.46	56.00	15.80	9.55	10.19	Average
2	0.15	46.34	-19.66	66.00	26.60	9.55	10.19	QP
3	0.17	30.92	-24.11	55.03	11.00	9.74	10.18	Average
4	0.17	42.72	-22.31	65.03	22.80	9.74	10.18	QP
5	0.18	30.97	-23.58	54.55	11.01	9.78	10.18	Average
6	0.18	41.17	-23.38	64.55	21.21	9.78	10.18	QP
7	0.19	31.91	-22.07	53.98	11.90	9.83	10.18	Average
8	0.19	42.11	-21.87	63.98	22.10	9.83	10.18	QP
9	0.23	28.44	-24.04	52.48	8.60	9.65	10.19	Average
10	0.23	38.34	-24.14	62.48	18.50	9.65	10.19	QP
11	0.60	25.78	-20.22	46.00	5.90	9.64	10.24	Average
12 *	0.60	37.68	-18.32	56.00	17.80	9.64	10.24	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

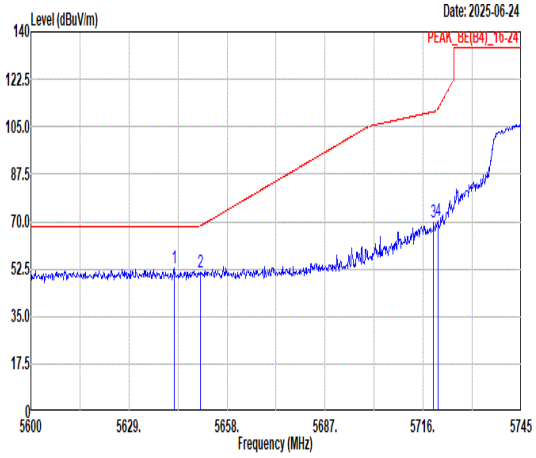
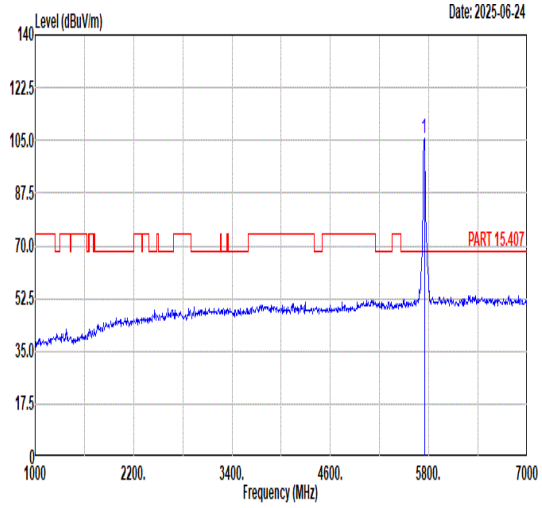
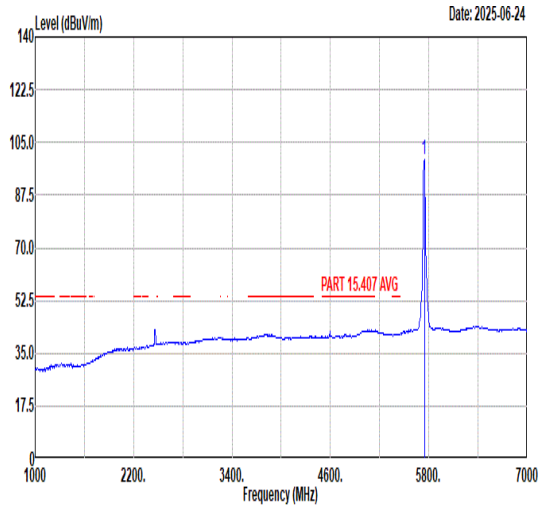
Test Engineer :	Wenbo Xiao	Relative Humidity :	48~49%
		Temperature :	24℃~25℃

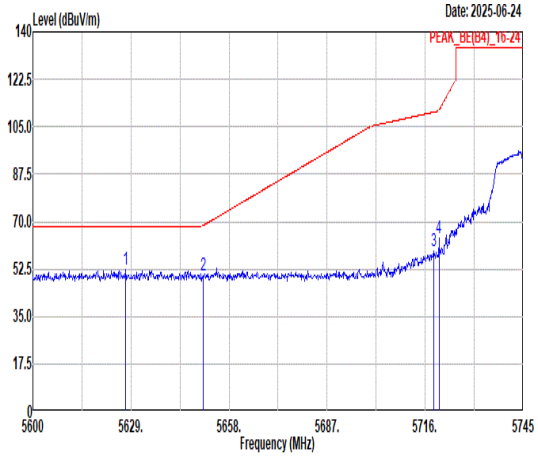
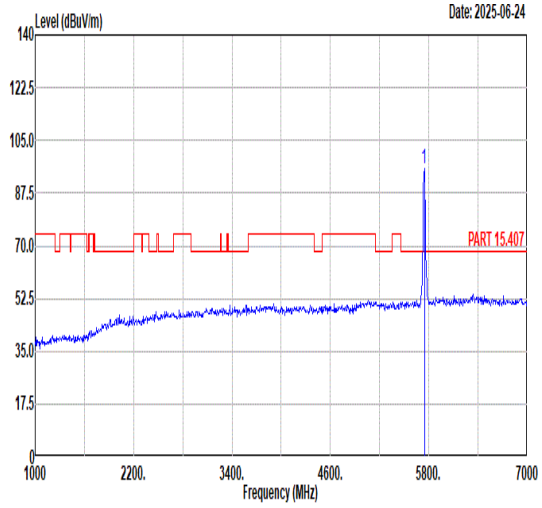
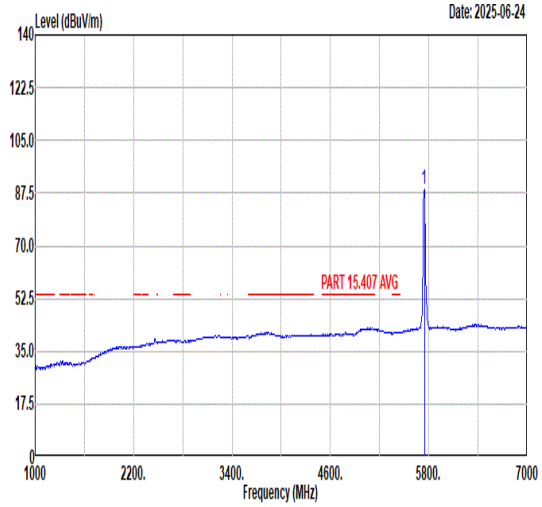
Radiated Spurious Emission Test Modes

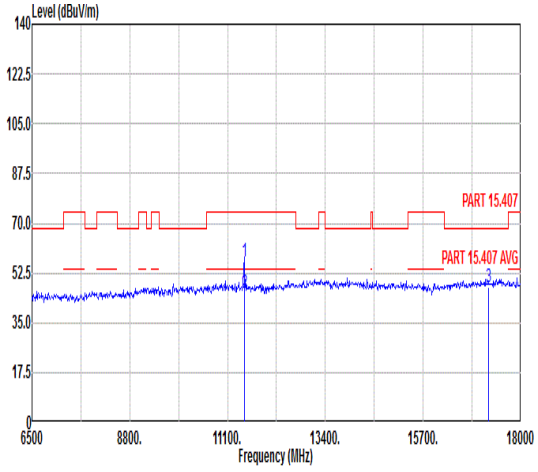
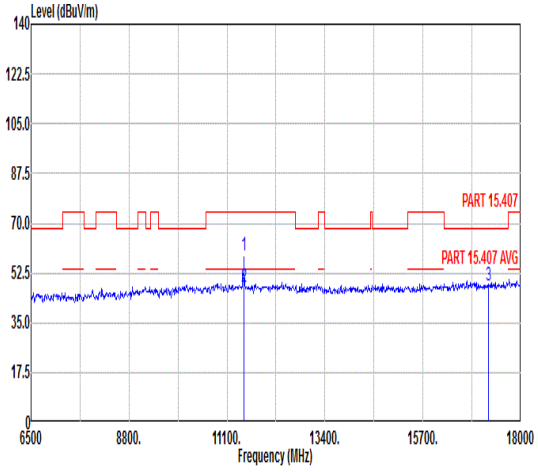
Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	U-NII-3	5.745-5.825	9	802.11a	149	5745	6Mbps	-	-
Mode 2	U-NII-3	5.745-5.825	9	802.11a	157	5785	6Mbps	-	-
Mode 3	U-NII-3	5.745-5.825	9	802.11a	165	5825	6Mbps	-	-
Mode 4	U-NII-3	5.745-5.825	9	802.11ac VHT20	149	5745	MCS0	-	-
Mode 5	U-NII-3	5.745-5.825	9	802.11ac VHT20	157	5785	MCS0	-	-
Mode 6	U-NII-3	5.745-5.825	9	802.11ac VHT20	165	5825	MCS0	-	-
Mode 7	U-NII-3	5.745-5.825	9	802.11ac VHT40	151	5755	MCS0	-	-
Mode 8	U-NII-3	5.745-5.825	9	802.11ac VHT40	159	5795	MCS0	-	-
Mode 9	U-NII-3	5.745-5.825	9	802.11ac VHT80	155	5775	MCS0	-	-
Mode 10	U-NII-3	5.745-5.825	9	802.11a-LF	157	5785	6Mbps	-	LF

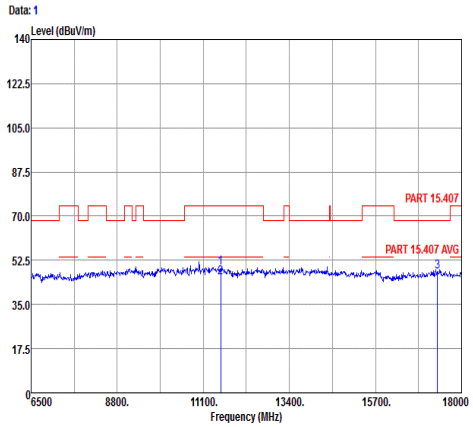
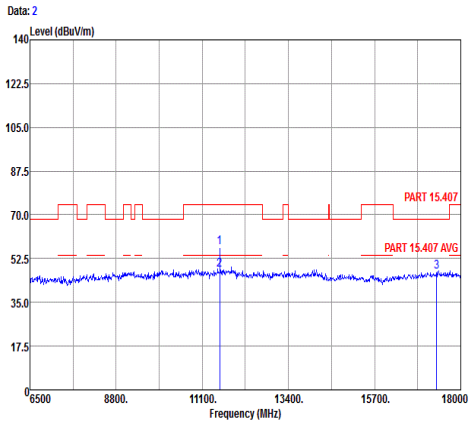
Summary of each worse mode

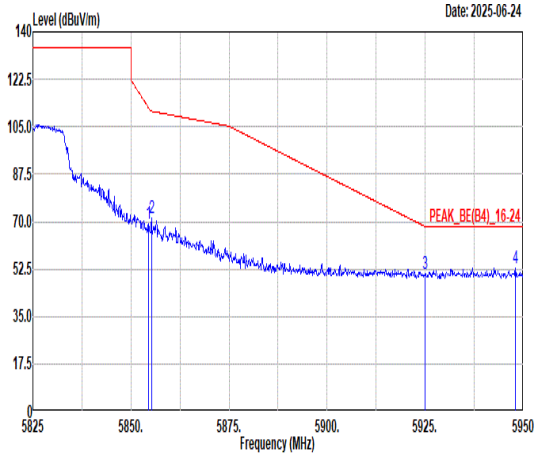
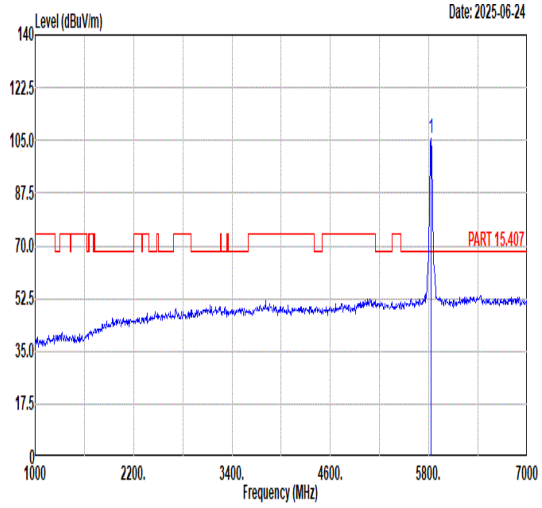
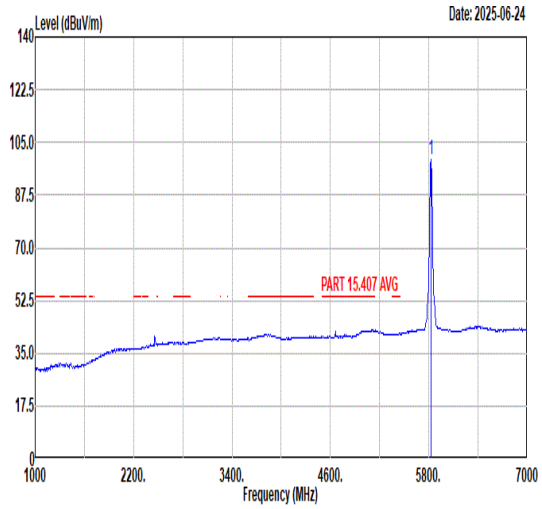
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
1	802.11a	149	5642.34	52.82	68.30	-15.48	H	PEAK	Pass	Band Edge
1	802.11a	149	11490.00	47.48	54.00	-6.52	V	Average	Pass	Harmonic
2	802.11a	157	-	-	-	-	-	-	-	Band Edge
2	802.11a	157	11570.00	47.94	54.00	-6.06	V	Average	Pass	Harmonic
3	802.11a	165	5948.00	53.09	68.30	-15.21	H	PEAK	Pass	Band Edge
3	802.11a	165	11650.00	47.68	54.00	-6.32	V	Average	Pass	Harmonic
4	802.11ac VHT20	149	5617.55	52.88	68.30	-15.42	V	PEAK	Pass	Band Edge
4	802.11ac VHT20	149	11490.00	47.83	54.00	-6.17	V	Average	Pass	Harmonic
5	802.11ac VHT20	157	-	-	-	-	-	-	-	Band Edge
5	802.11ac VHT20	157	11570.00	47.62	54.00	-6.38	V	Average	Pass	Harmonic
6	802.11ac VHT20	165	5927.88	53.05	68.30	-15.25	H	PEAK	Pass	Band Edge
6	802.11ac VHT20	165	11650.00	47.65	54.00	-6.35	V	Average	Pass	Harmonic
7	802.11ac VHT40	151	5646.66	54.13	68.30	-14.17	H	PEAK	Pass	Band Edge
7	802.11ac VHT40	151	11510.00	47.33	54.00	-6.67	V	Average	Pass	Harmonic
8	802.11ac VHT40	159	5931.09	53.46	68.30	-14.84	V	PEAK	Pass	Band Edge
8	802.11ac VHT40	159	11590.00	47.38	54.00	-6.62	V	Average	Pass	Harmonic
9	802.11ac VHT80	155	5652.15	64.25	69.89	-5.64	H	PEAK	Pass	Band Edge
9	802.11ac VHT80	155	11550.00	47.14	54.00	-6.86	V	Average	Pass	Harmonic
10	802.11a-LF	157	30.97	28.22	40.00	-11.78	V	PEAK	Pass	LF

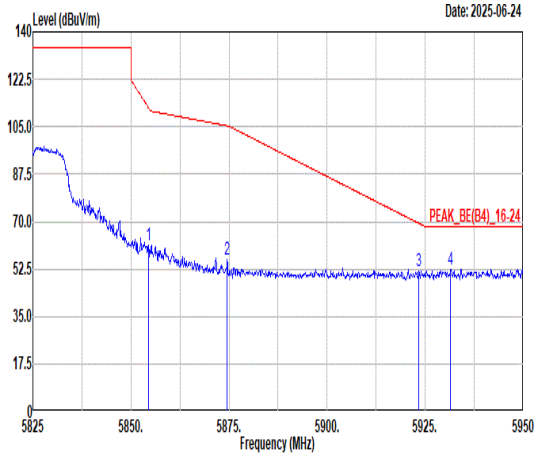
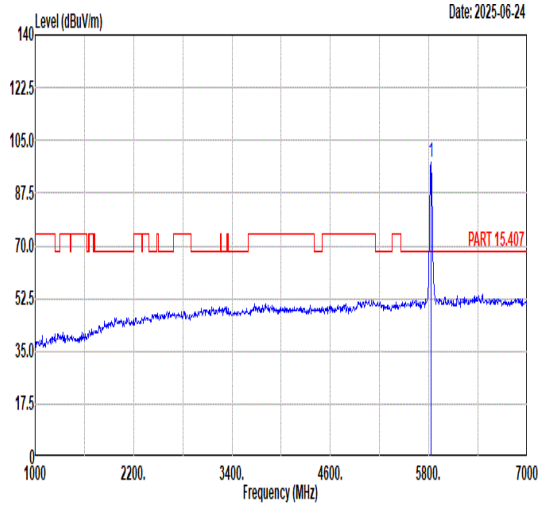
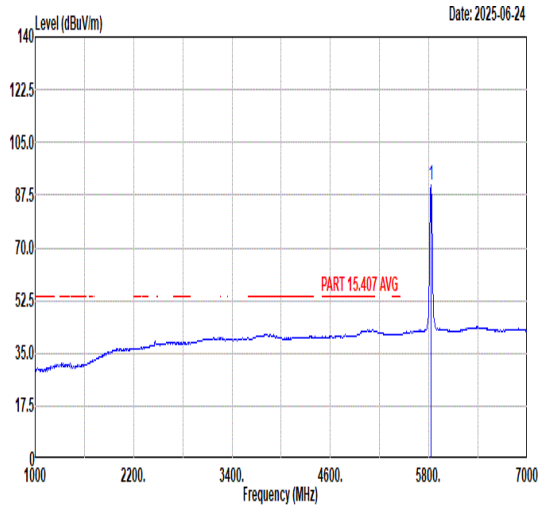
Mode	1	
	Band Edge	
	U-NII-3_802.11a_CH149_5745MHz	
ANT	9	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5642.34 52.82 68.30 -15.48 39.41 35.38 10.33 32.30 103 293 PEAK 2 5650.17 51.11 68.43 -17.32 37.69 35.40 10.33 32.31 103 293 PEAK 3 5719.05 69.69 110.53 -40.84 56.13 35.55 10.37 32.36 103 293 PEAK 4 5720.35 70.22 111.60 -41.38 56.65 35.56 10.37 32.36 103 293 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 5745.00 105.49 ------ ------ 91.86 35.61 10.38 32.36 103 293 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 5745.00 99.11 ------ ------ 85.48 35.61 10.38 32.36 103 293 AVERAGE

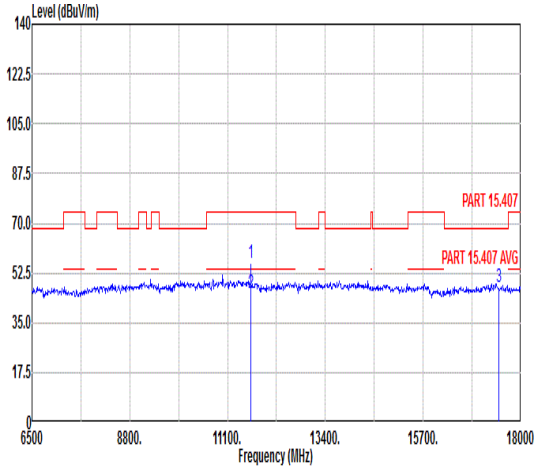
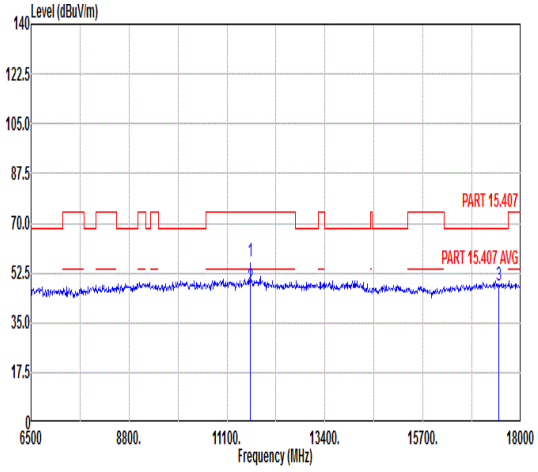
Mode	1	
	Band Edge	
	U-NII-3_802.11a_CH149_5745MHz	
ANT	9	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5627.41 52.15 68.30 -16.15 38.77 35.35 10.32 32.29 100 32 PEAK 2 5650.32 50.29 68.53 -18.24 36.87 35.40 10.33 32.31 100 32 PEAK 3 5718.47 59.17 110.37 -51.20 45.61 35.55 10.37 32.36 100 32 PEAK 4 5720.06 63.69 110.94 -47.25 50.12 35.56 10.37 32.36 100 32 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 5745.00 95.40 ------ ------ 81.77 35.61 10.38 32.36 100 32 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 5745.00 88.93 ------ ------ 75.30 35.61 10.38 32.36 100 32 AVERAGE

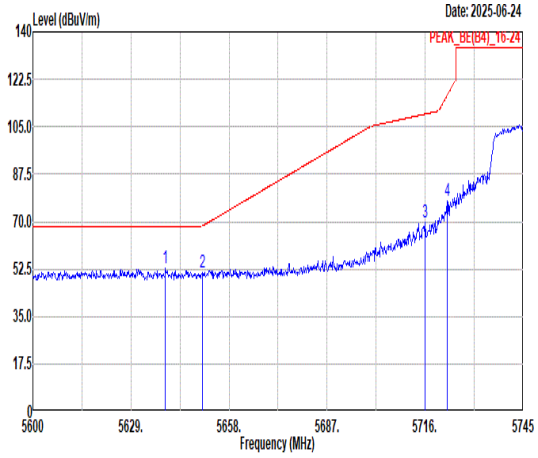
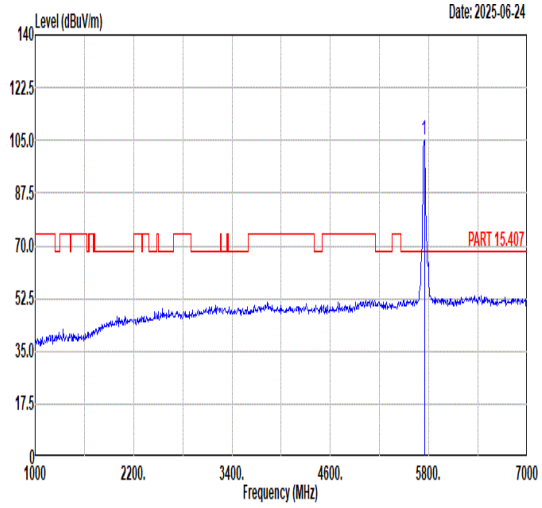
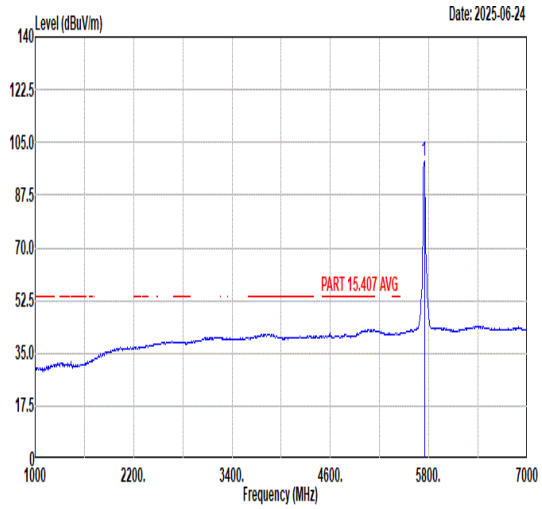
Mode	1	
	Harmonic	
	U-NII-3_802.11a_CH149_5745MHz	
ANT	9	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11490.00 56.41 74.00 -17.59 68.93 38.45 12.87 63.84 180 239 Peak 2 11490.00 45.19 54.00 -8.81 57.71 38.45 12.87 63.84 180 239 Average 3 17235.00 47.72 68.30 -20.58 54.23 42.83 15.72 65.06 --- --- 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 11490.00 58.69 74.00 -15.31 71.21 38.45 12.87 63.84 173 149 Peak 2 11490.00 47.48 54.00 -6.52 60.00 38.45 12.87 63.84 173 149 Average 3 17235.00 48.28 68.30 -20.02 54.79 42.83 15.72 65.06 --- --- Peak

Mode	2	
	Harmonic	
	U-NII-3_802.11a_CH157_5785MHz	
ANT	9	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11570.00 49.54 -24.46 74.00 62.04 38.47 12.93 63.90 179 240 Peak 2 11570.00 45.56 -8.44 54.00 58.06 38.47 12.93 63.90 179 240 Average 3 * 17355.00 47.91 -20.39 68.30 54.33 42.97 15.80 65.19 --- --- Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 * 11570.00 56.84 -17.16 74.00 69.34 38.47 12.93 63.90 177 148 Peak 2 11570.00 47.94 -6.06 54.00 60.44 38.47 12.93 63.90 177 148 Average 3 17355.00 47.16 -21.14 68.30 53.58 42.97 15.80 65.19 --- --- Peak

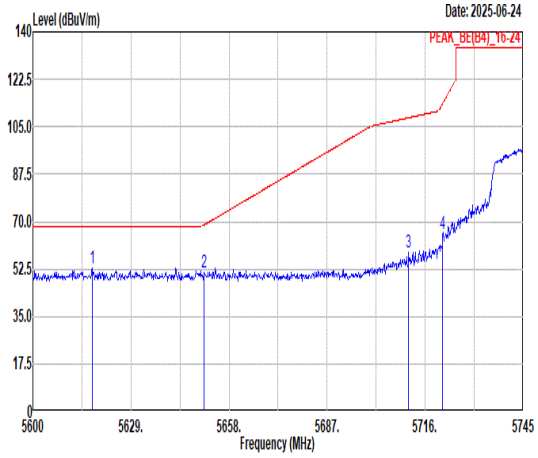
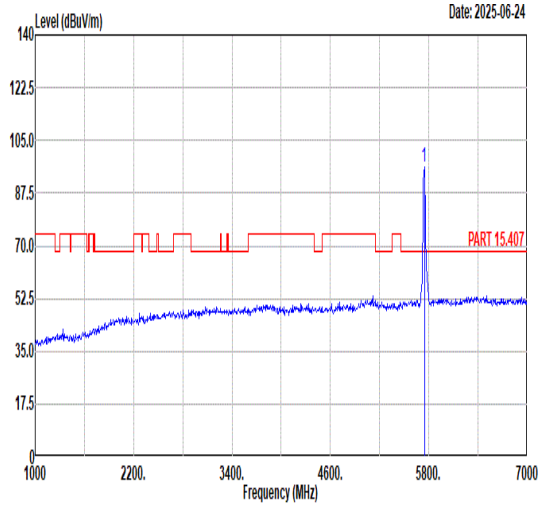
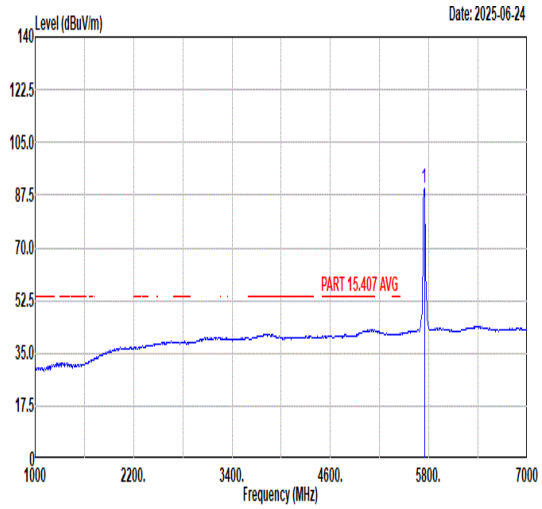
Mode	3	
	Band Edge	
	U-NII-3_802.11a_CH165_5825MHz	
ANT	9	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5854.50 69.04 111.94 -42.90 55.10 35.88 10.46 32.40 100 295 PEAK 2 5855.25 71.32 110.73 -39.41 57.38 35.88 10.46 32.40 100 295 PEAK 3 5925.00 50.90 68.20 -17.30 36.80 36.03 10.53 32.46 100 295 PEAK 4 5948.00 53.09 68.30 -15.21 38.98 36.05 10.55 32.49 100 295 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 5825.00 105.79 ------ ------ 91.93 35.79 10.44 32.37 100 295 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 5825.00 99.07 ------ ------ 85.21 35.79 10.44 32.37 100 295 AVERAGE

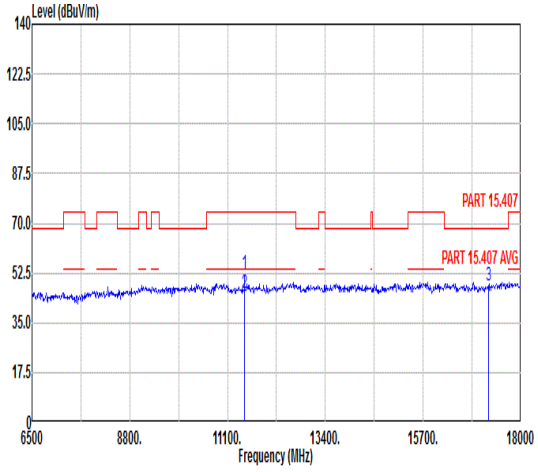
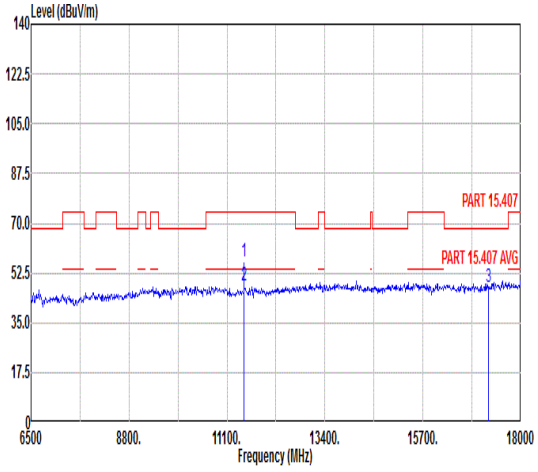
Mode	3	
	Band Edge	
	U-NII-3_802.11a_CH165_5825MHz	
ANT	9	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5854.50 61.26 111.94 -50.68 47.32 35.88 10.46 32.40 100 35 PEAK 2 5874.50 56.21 105.34 -49.13 42.20 35.94 10.48 32.41 100 35 PEAK 3 5923.38 52.01 69.40 -17.39 37.92 36.03 10.52 32.46 100 35 PEAK 4 5931.50 52.55 68.30 -15.75 38.46 36.03 10.53 32.47 100 35 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 5825.00 97.78 ------ ------ 83.92 35.79 10.44 32.37 100 35 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 5825.00 90.67 ------ ------ 76.81 35.79 10.44 32.37 100 35 AVERAGE

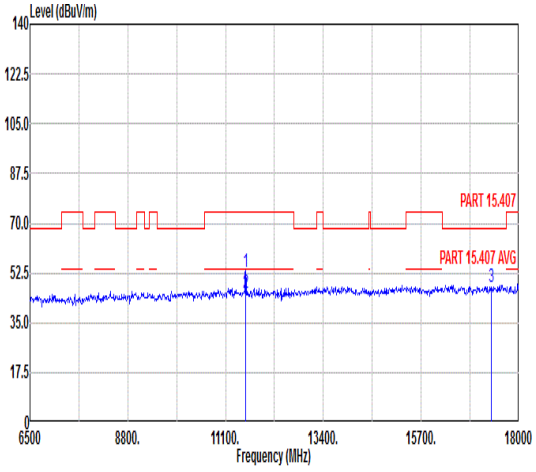
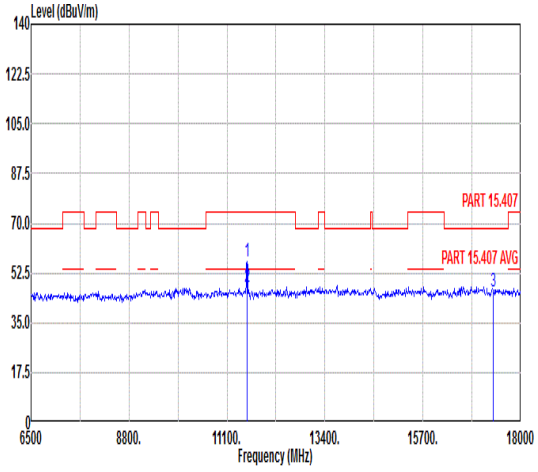
Mode	3	
	Harmonic	
	U-NII-3_802.11a_CH165_5825MHz	
ANT	9	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11650.00 55.93 74.00 -18.07 68.40 38.49 12.99 63.95 180 239 Peak 2 11650.00 45.30 54.00 -8.70 57.77 38.49 12.99 63.95 180 239 Average 3 17475.00 47.73 68.30 -20.57 54.05 43.10 15.90 65.32 --- --- 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 11650.00 56.37 74.00 -17.63 68.84 38.49 12.99 63.95 177 149 Peak 2 11650.00 47.68 54.00 -6.32 60.15 38.49 12.99 63.95 177 149 Average 3 17475.00 47.83 68.30 -20.47 54.15 43.10 15.90 65.32 --- --- Peak

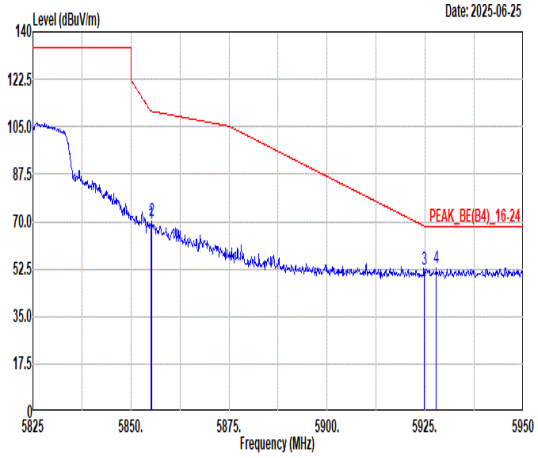
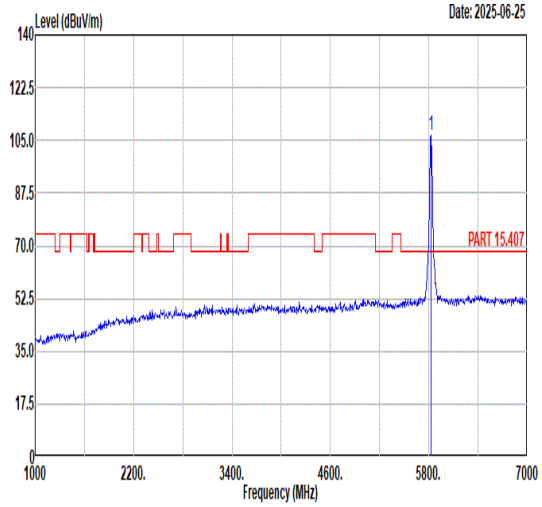
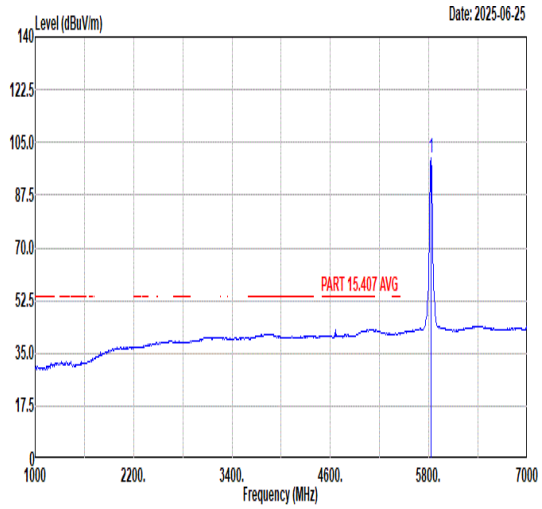
Mode	4	
	Band Edge	
	U-NII-3_802.11ac VHT20_CH149_5745MHz	
ANT	9	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5639.15 52.86 68.30 -15.44 39.45 35.38 10.33 32.30 100 295 PEAK 2 5650.17 51.02 68.43 -17.41 37.60 35.40 10.33 32.31 100 295 PEAK 3 5715.86 69.88 109.64 -39.76 56.31 35.55 10.37 32.35 100 295 PEAK 4 5722.53 77.81 116.56 -38.75 64.24 35.56 10.37 32.36 100 295 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 5745.00 105.18 ------ ------ 91.55 35.61 10.38 32.36 100 295 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 5745.00 98.62 ------ ------ 84.99 35.61 10.38 32.36 100 295 AVERAGE

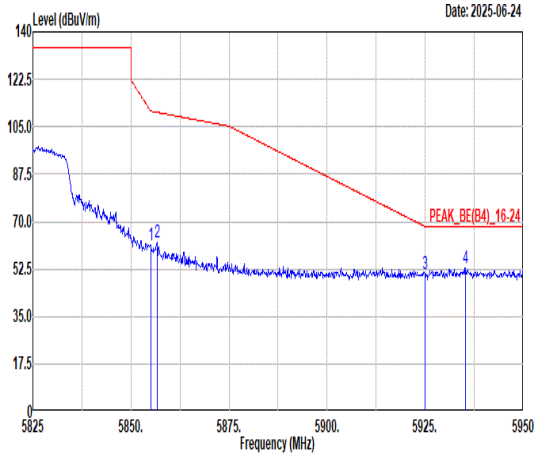
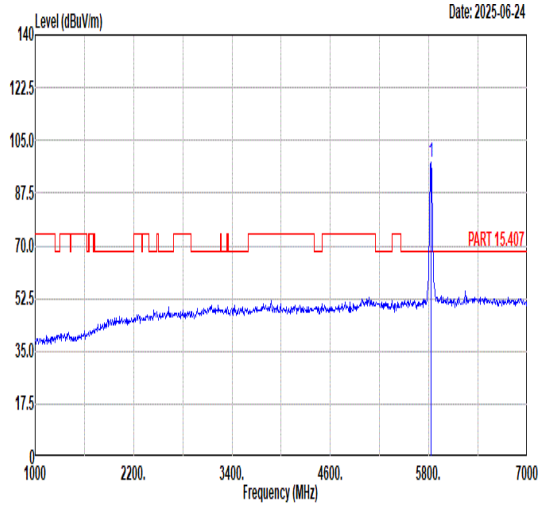
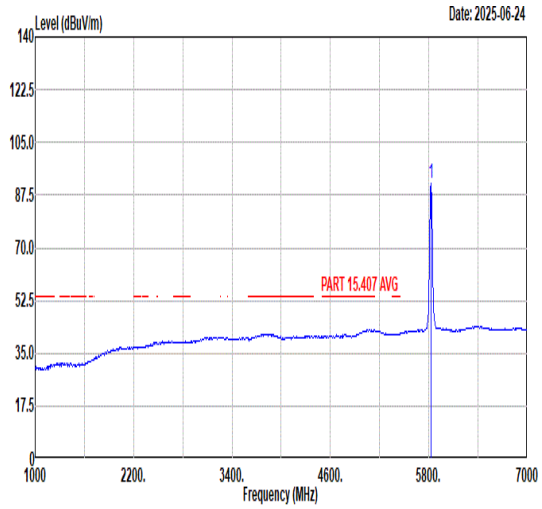
Mode	4
	Band Edge
	U-NII-3_802.11ac VHT20_CH149_5745MHz
ANT	9

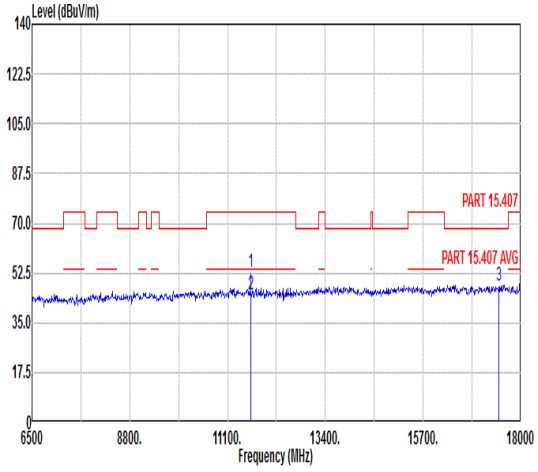
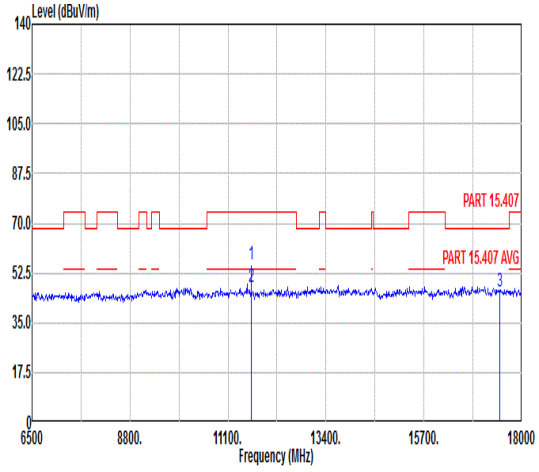
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5617.55 52.88 68.30 -15.42 39.52 35.32 10.32 32.28 100 44 PEAK 2 5650.61 51.18 68.75 -17.57 37.76 35.40 10.33 32.31 100 44 PEAK 3 5711.07 58.82 108.30 -49.48 45.26 35.54 10.37 32.35 100 44 PEAK 4 5721.22 65.65 113.58 -47.93 52.08 35.56 10.37 32.36 100 44 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 5745.00 96.32 ------ ------ 82.69 35.61 10.38 32.36 100 44 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 5745.00 89.79 ------ ------ 76.16 35.61 10.38 32.36 100 44 AVERAGE

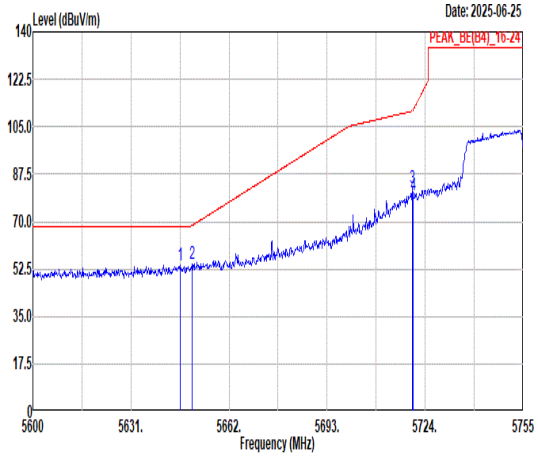
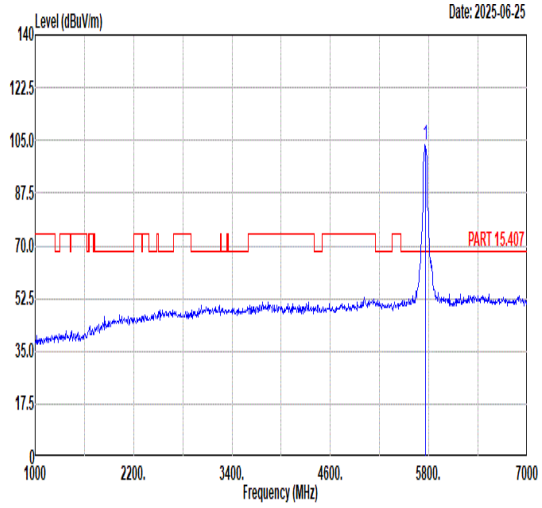
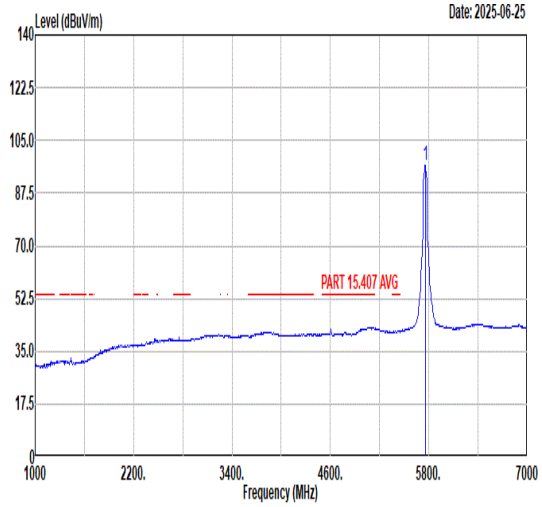
Mode	4	
	Harmonic	
	U-NII-3_802.11ac VHT20_CH149_5745MHz	
ANT	9	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11490.00 52.51 74.00 -21.49 65.03 38.45 12.87 63.84 175 233 Peak 2 11490.00 45.21 54.00 -8.79 57.73 38.45 12.87 63.84 175 233 Average 3 17235.00 47.90 68.30 -20.40 54.41 42.83 15.72 65.06 --- --- 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 11490.00 56.73 74.00 -17.27 69.25 38.45 12.87 63.84 172 147 Peak 2 11490.00 47.83 54.00 -6.17 60.35 38.45 12.87 63.84 172 147 Average 3 17235.00 47.43 68.30 -20.87 53.94 42.83 15.72 65.06 --- --- Peak

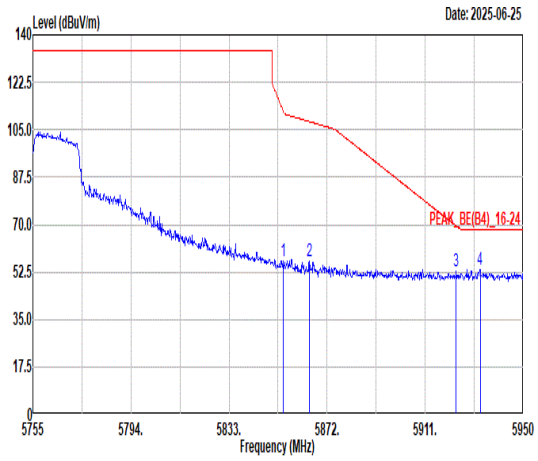
Mode	5	
	Harmonic	
	U-NII-3_802.11ac VHT20_CH157_5785MHz	
ANT	9	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11570.00 53.06 74.00 -20.94 65.56 38.47 12.93 63.90 177 237 Peak 2 11570.00 45.39 54.00 -8.61 57.89 38.47 12.93 63.90 177 237 Average 3 17355.00 47.48 68.30 -20.82 53.89 42.97 15.81 65.19 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11570.00 56.55 74.00 -17.45 69.05 38.47 12.93 63.90 172 149 Peak 2 11570.00 47.62 54.00 -6.38 60.12 38.47 12.93 63.90 172 149 Average 3 17355.00 46.05 68.30 -22.25 52.46 42.97 15.81 65.19 --- --- Peak

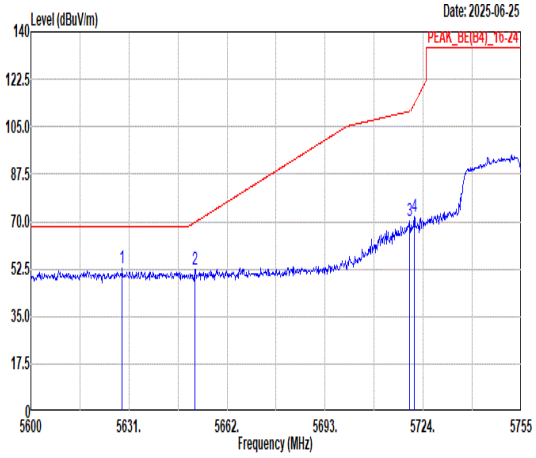
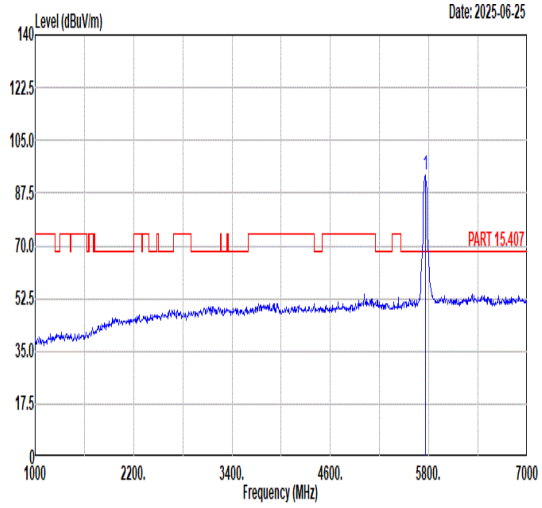
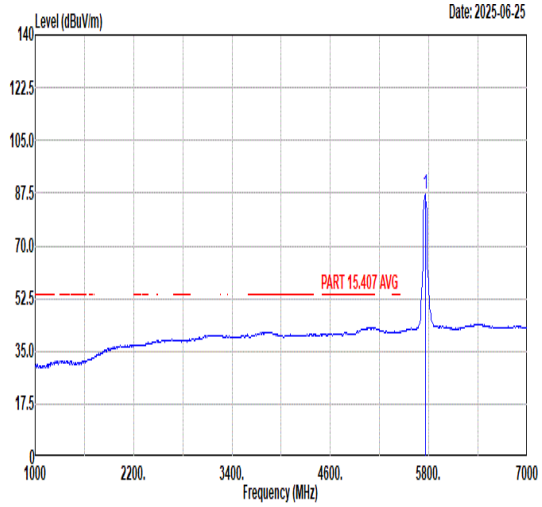
Mode	6	
	Band Edge	
	U-NII-3_802.11ac VHT20_CH165_5825MHz	
ANT	9	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5855.00 69.00 110.80 -41.80 55.06 35.88 10.46 32.40 100 290 PEAK 2 5855.25 70.30 110.73 -40.43 56.36 35.88 10.46 32.40 100 290 PEAK 3 5924.75 52.50 68.38 -15.88 38.40 36.03 10.53 32.46 100 290 PEAK 4 5927.88 53.05 68.30 -15.25 38.95 36.03 10.53 32.46 100 290 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 5825.00 106.70 ------ ------ 92.84 35.79 10.44 32.37 100 290 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 5825.00 99.65 ------ ------ 85.79 35.79 10.44 32.37 100 290 AVERAGE

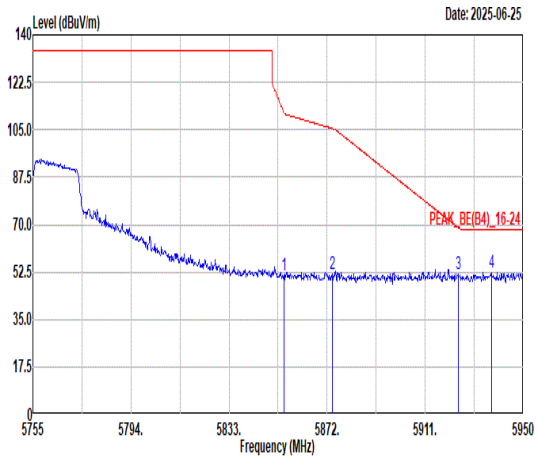
Mode	6	
	Band Edge	
	U-NII-3_802.11ac VHT20_CH165_5825MHz	
ANT	9	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5855.00 61.27 110.80 -49.53 47.33 35.88 10.46 32.40 100 39 PEAK 2 5856.63 62.13 110.34 -48.21 48.18 35.88 10.47 32.40 100 39 PEAK 3 5924.88 50.95 68.29 -17.34 36.85 36.03 10.53 32.46 100 39 PEAK 4 5935.25 52.71 68.30 -15.59 38.61 36.04 10.53 32.47 100 39 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 5825.00 97.86 ------ ------ 84.00 35.79 10.44 32.37 100 39 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 5825.00 91.27 ------ ------ 77.41 35.79 10.44 32.37 100 39 AVERAGE

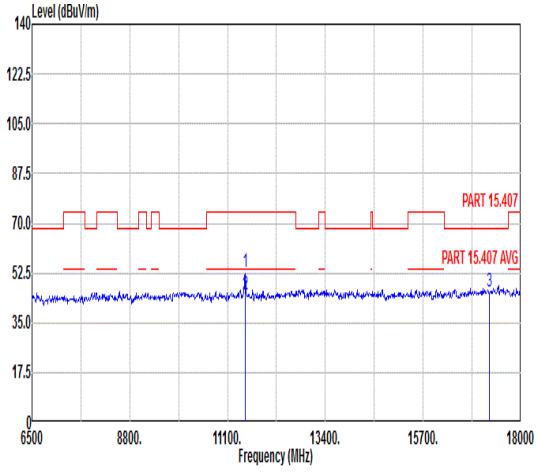
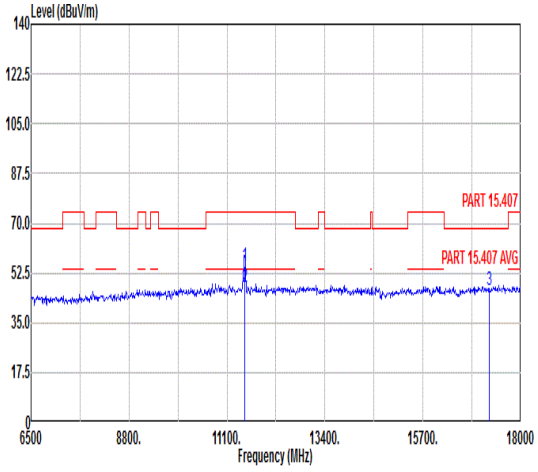
Mode	6	
	Harmonic	
	U-NII-3_802.11ac VHT20_CH165_5825MHz	
ANT	9	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11650.00 53.05 74.00 -20.95 65.52 38.49 12.99 63.95 183 233 Peak 2 11650.00 44.70 54.00 -9.30 57.17 38.49 12.99 63.95 183 233 Average 3 17475.00 47.87 68.30 -20.43 54.19 43.10 15.90 65.32 --- --- 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 11650.00 55.73 74.00 -18.27 68.20 38.49 12.99 63.95 178 149 Peak 2 11650.00 47.65 54.00 -6.35 60.12 38.49 12.99 63.95 178 149 Average 3 17475.00 46.13 68.30 -22.17 52.45 43.10 15.90 65.32 --- --- Peak

Mode	7	
	Band Edge - L	
	U-NII-3_802.11ac VHT40_CH151_5755MHz	
ANT	9	
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 5646.66 54.13 68.30 -14.17 40.72 35.39 10.33 32.31 100 294 PEAK 2 5650.22 54.17 68.46 -14.29 40.75 35.40 10.33 32.31 100 294 PEAK 3 5719.97 82.43 110.79 -28.36 68.87 35.55 10.37 32.36 100 294 PEAK 4 5720.13 79.81 111.09 -31.28 66.24 35.56 10.37 32.36 100 294 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 5755.00 103.43 ------ ------ 89.77 35.62 10.39 32.35 100 294 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 5755.00 96.55 ------ ------ 82.88 35.63 10.39 32.35 100 294 AVERAGE

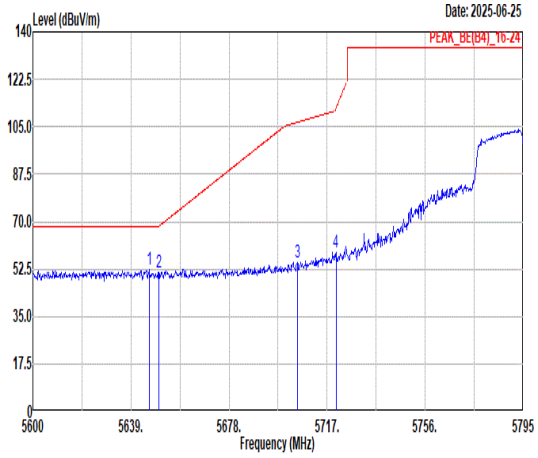
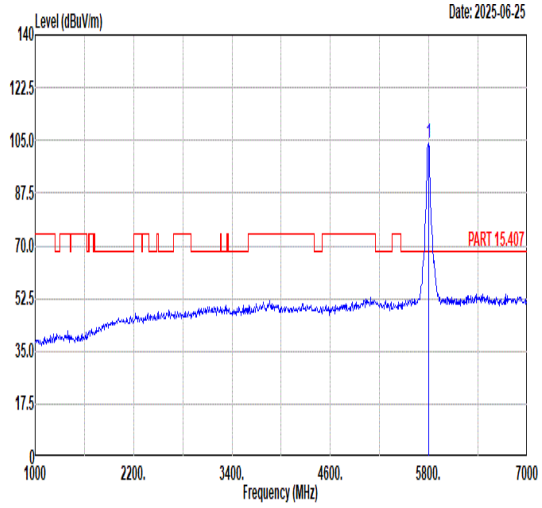
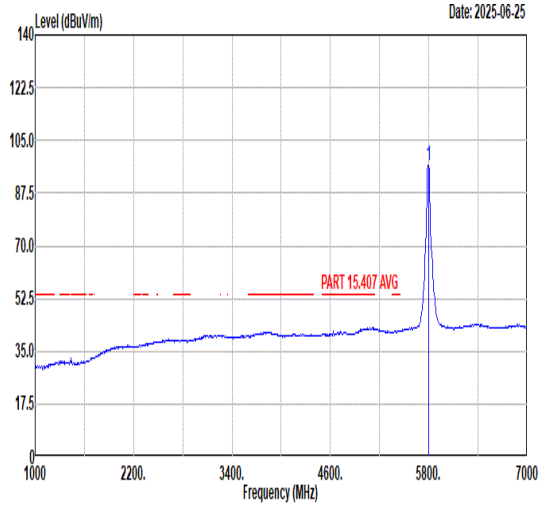
Mode	7	
	Band Edge - R	
	U-NII-3_802.11ac VHT40_CH151_5755MHz	
ANT	9	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5854.65 56.68 111.61 -54.93 42.74 35.88 10.46 32.40 100 294 PEAK 2 5864.98 56.70 108.00 -51.30 42.73 35.91 10.47 32.41 100 294 PEAK 3 5923.29 52.68 69.46 -16.78 38.59 36.03 10.52 32.46 100 294 PEAK 4 5932.84 53.39 68.30 -14.91 39.29 36.04 10.53 32.47 100 294 PEAK	Blank

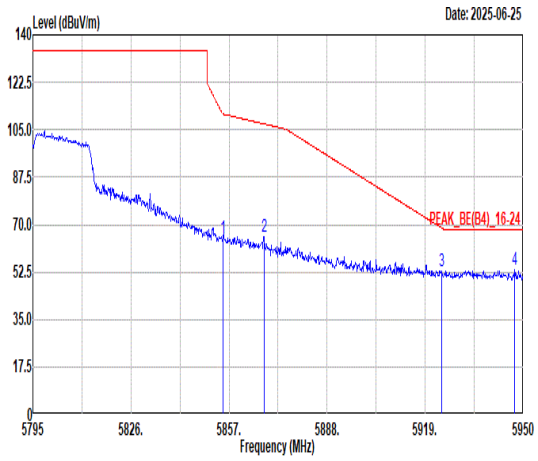
Mode	7	
	Band Edge - L	
	U-NII-3_802.11ac VHT40_CH151_5755MHz	
ANT	9	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5628.83 52.89 68.30 -15.41 39.51 35.35 10.32 32.29 100 38 PEAK 2 5651.93 52.30 69.73 -17.43 38.87 35.41 10.33 32.31 100 38 PEAK 3 5719.66 70.22 110.71 -40.49 56.66 35.55 10.37 32.36 100 38 PEAK 4 5721.21 71.98 113.56 -41.58 58.41 35.56 10.37 32.36 100 38 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 5755.00 93.70 ------ ------ 80.03 35.63 10.39 32.35 100 38 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 5755.00 87.01 ------ ------ 73.34 35.63 10.39 32.35 100 38 AVERAGE

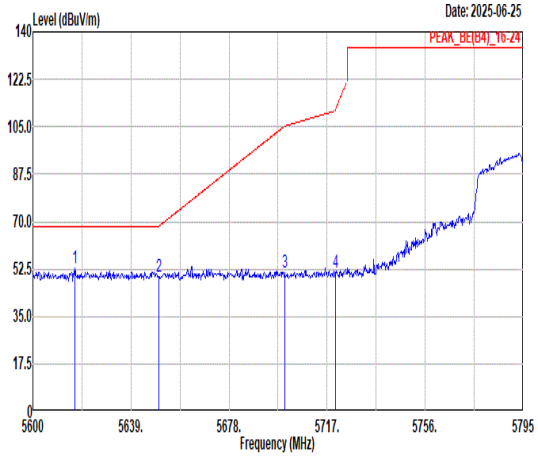
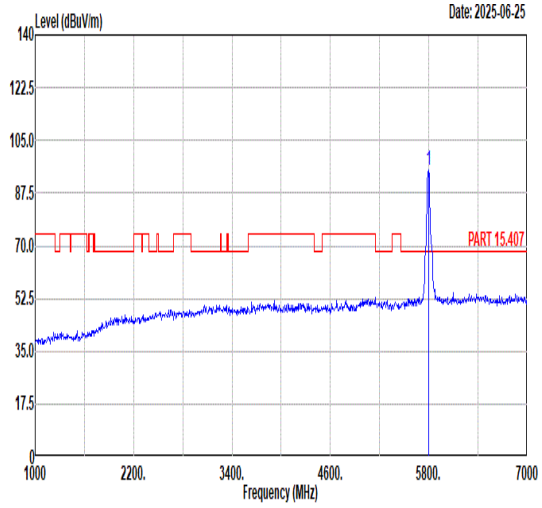
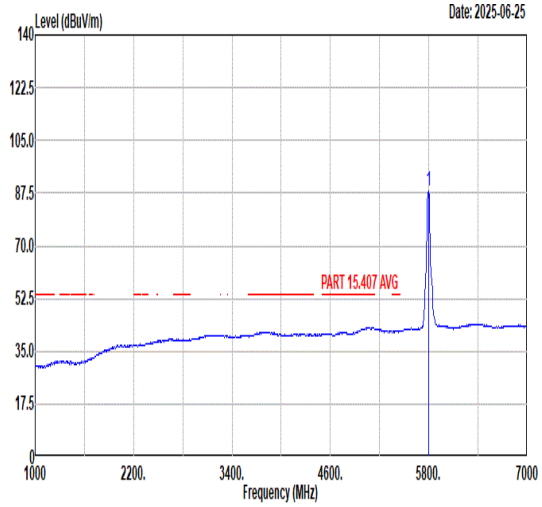
Mode	7	
	Band Edge - R	
	U-NII-3_802.11ac VHT40_CH151_5755MHz	
ANT	9	
Pol.	Vertical	Fundamental
Peak	 Freq / Level / Limit Line / Margin / Read Level / Ant Factor / Cable Loss / Preamp Factor / APos / TPos / Remark MHz / dBuV/m / dBuV/m / dB / dBuV / dB/m / dB / dB / cm / deg 1 5854.84 51.05 111.17 -60.12 37.11 35.88 10.46 32.40 100 38 PEAK 2 5874.15 51.91 105.44 -53.53 37.90 35.94 10.48 32.41 100 38 PEAK 3 5924.26 51.67 68.75 -17.08 37.58 36.03 10.52 32.46 100 38 PEAK 4 5937.33 52.45 68.30 -15.85 38.35 36.04 10.54 32.48 100 38 PEAK	Blank

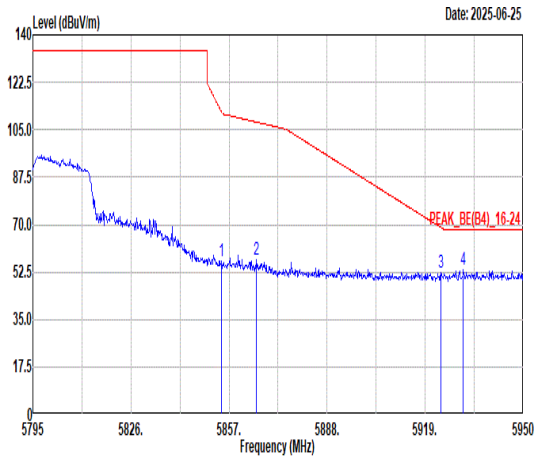
Mode	7	
	Harmonic	
	U-NII-3_802.11ac VHT40_CH151_5755MHz	
ANT	9	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11510.00 52.99 74.00 -21.01 65.51 38.45 12.89 63.86 186 234 Peak 2 11510.00 44.78 54.00 -9.22 57.30 38.45 12.89 63.86 186 234 Average 3 17265.00 45.74 68.30 -22.56 52.22 42.87 15.74 65.09 --- --- 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 11510.00 55.13 74.00 -18.87 67.65 38.45 12.89 63.86 173 147 Peak 2 11510.00 47.33 54.00 -6.67 59.85 38.45 12.89 63.86 173 147 Average 3 17265.00 46.56 68.30 -21.74 53.04 42.87 15.74 65.09 --- --- Peak

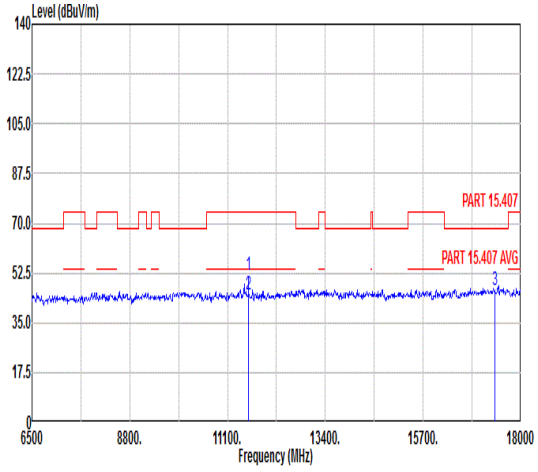
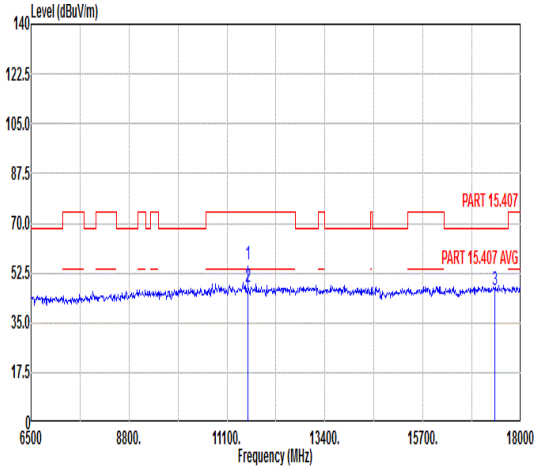
Mode	8
	Band Edge - L
	U-NII-3_802.11ac VHT40_CH159_5795MHz
ANT	9

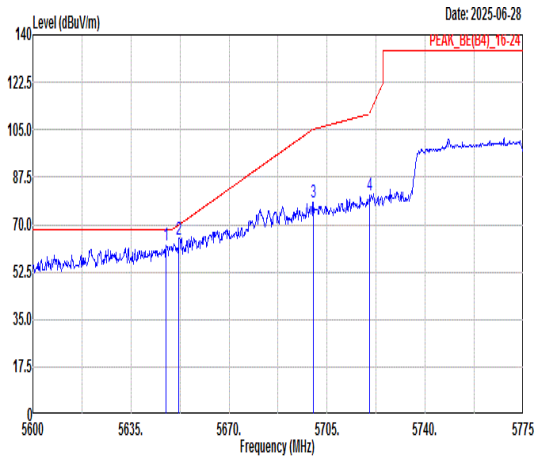
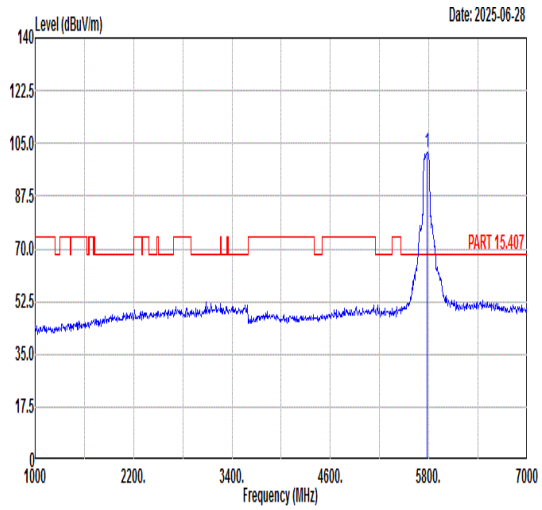
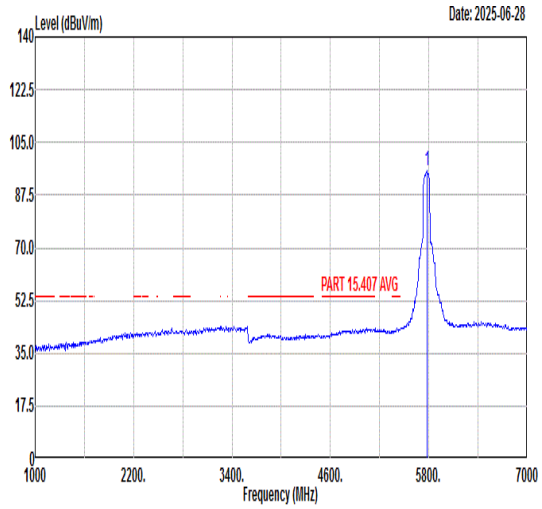
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5646.22 52.04 68.30 -16.26 38.63 35.39 10.33 32.31 100 291 PEAK 2 5650.12 51.14 68.39 -17.25 37.72 35.40 10.33 32.31 100 291 PEAK 3 5705.11 55.15 106.63 -51.48 41.61 35.53 10.36 32.35 100 291 PEAK 4 5720.51 58.80 111.96 -53.16 45.23 35.56 10.37 32.36 100 291 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 5795.00 103.99 ------ ------ 90.21 35.70 10.41 32.33 100 291 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 5795.00 96.91 ------ ------ 83.13 35.70 10.41 32.33 100 291 AVERAGE

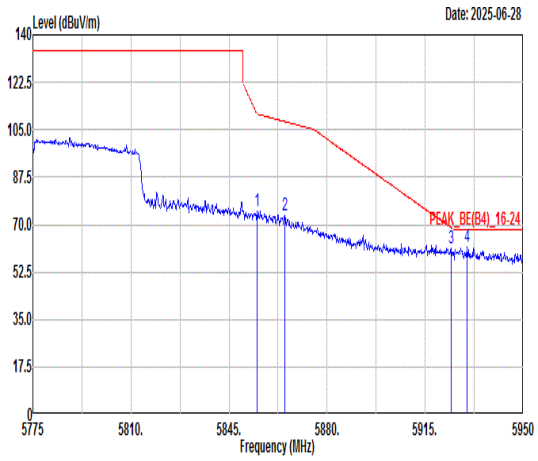
Mode	8	
	Band Edge - R	
	U-NII-3_802.11ac VHT40_CH159_5795MHz	
ANT	9	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5854.99 64.89 110.83 -45.94 50.95 35.88 10.46 32.40 100 291 PEAK 2 5868.01 65.33 107.16 -41.83 51.34 35.92 10.48 32.41 100 291 PEAK 3 5924.12 52.90 68.85 -15.95 38.81 36.03 10.52 32.46 100 291 PEAK 4 5947.37 53.27 68.30 -15.03 39.16 36.05 10.55 32.49 100 291 PEAK	Blank

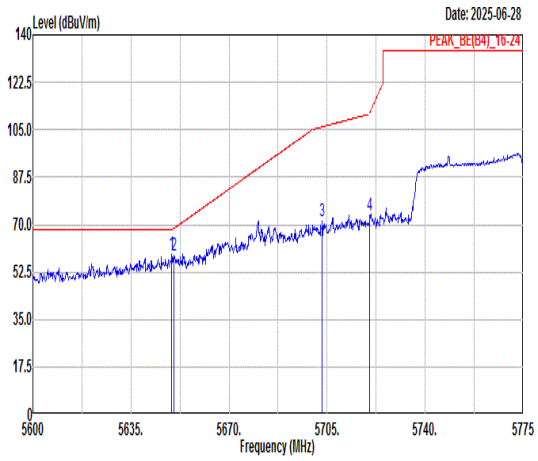
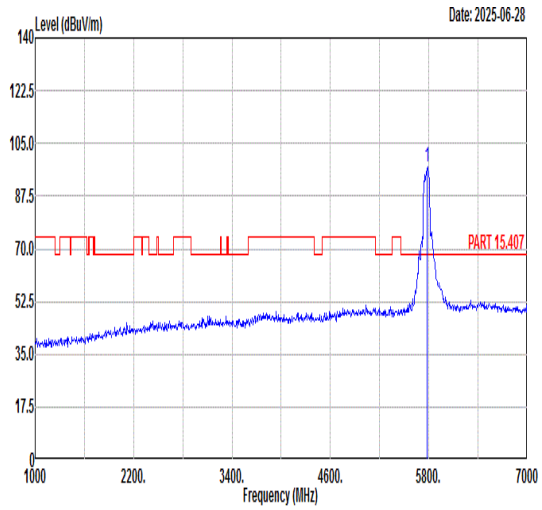
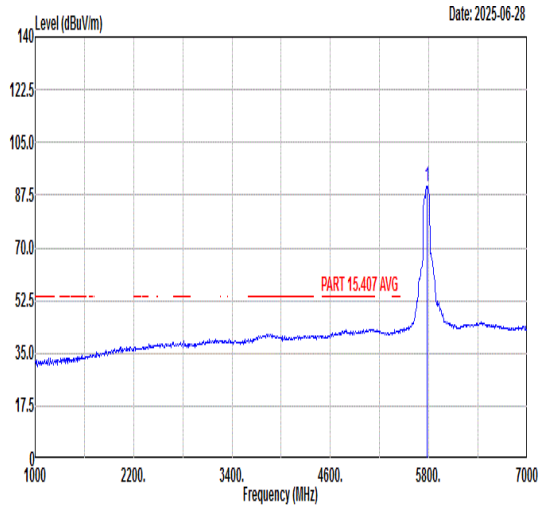
Mode	8	
	Band Edge - L	
	U-NII-3_802.11ac VHT40_CH159_5795MHz	
ANT	9	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 5616.58 52.57 68.30 -15.73 39.21 35.32 10.32 32.28 100 60 PEAK 2 5650.12 49.79 68.39 -18.60 36.37 35.40 10.33 32.31 100 60 PEAK 3 5700.04 51.37 105.21 -53.84 37.84 35.52 10.36 32.35 100 60 PEAK 4 5720.32 51.19 111.52 -60.33 37.62 35.56 10.37 32.36 100 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 5795.00 95.05 ------ ------ 81.25 35.72 10.42 32.34 100 60 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 5795.00 88.19 ------ ------ 74.41 35.70 10.41 32.33 100 60 AVERAGE

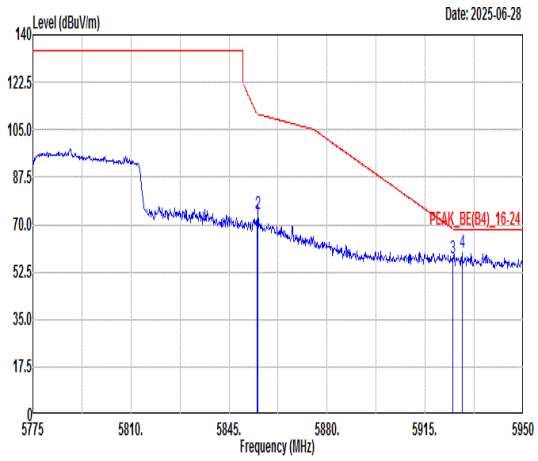
Mode	8	
	Band Edge - R	
	U-NII-3_802.11ac VHT40_CH159_5795MHz	
ANT	9	
Pol.	Vertical	Fundamental
Peak	 Freq / Level / Limit Line / Margin / Read Level / Ant Factor / Cable Loss / Preamp Factor / APos / TPos / Remark MHz / dBuV/m / dBuV/m / dB / dBuV / dB/m / dB / dB / cm / deg 1 5854.68 56.27 111.54 -55.27 42.33 35.88 10.46 32.40 100 60 PEAK 2 5865.68 57.16 107.81 -50.65 43.19 35.91 10.47 32.41 100 60 PEAK 3 5923.96 52.19 68.97 -16.78 38.10 36.03 10.52 32.46 100 60 PEAK 4 5931.09 53.46 68.30 -14.84 39.37 36.03 10.53 32.47 100 60 PEAK	Blank

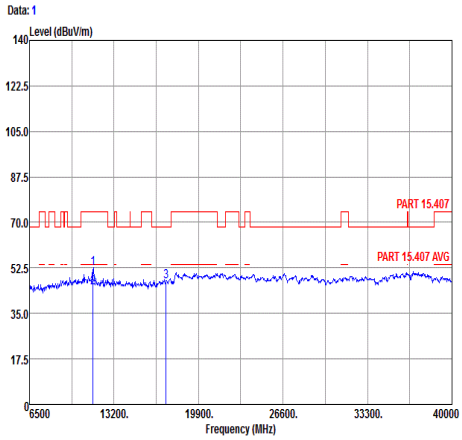
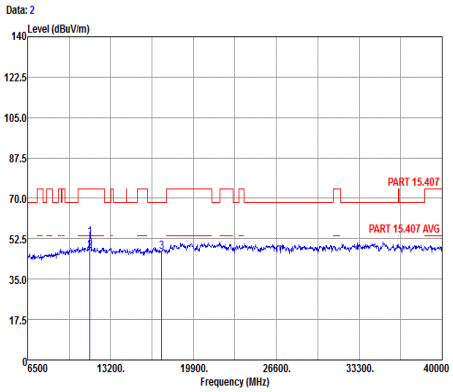
Mode	8	
	Harmonic	
	U-NII-3_802.11ac VHT40_CH159_5795MHz	
ANT	9	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 11590.00 51.88 74.00 -22.12 64.36 38.48 12.95 63.91 181 235 Peak 2 11590.00 44.89 54.00 -9.11 57.37 38.48 12.95 63.91 181 235 Average 3 17385.00 46.72 68.30 -21.58 53.11 43.00 15.83 65.22 --- --- 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 11590.00 55.48 74.00 -18.52 67.96 38.48 12.95 63.91 173 146 Peak 2 11590.00 47.38 54.00 -6.62 59.86 38.48 12.95 63.91 173 146 Average 3 17385.00 46.37 68.30 -21.93 52.76 43.00 15.83 65.22 --- --- Peak

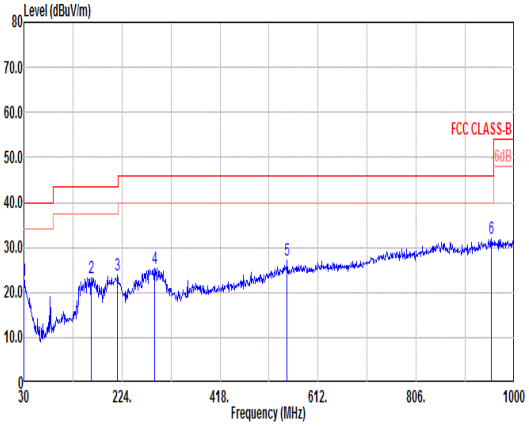
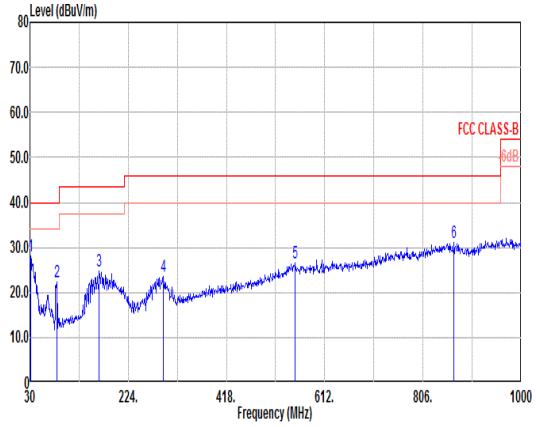
Mode	9	
	Band Edge - L	
	U-NII-3_802.11ac VHT80_CH155_5775MHz	
ANT	9	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5647.43 62.24 68.30 -6.06 50.10 35.71 9.86 33.43 101 299 PEAK 2 5652.15 64.25 69.89 -5.64 52.10 35.71 9.87 33.43 101 299 PEAK 3 5700.10 78.43 105.23 -26.80 66.12 35.78 9.97 33.44 101 299 PEAK 4 5720.23 81.02 111.31 -30.29 68.64 35.81 10.01 33.44 101 299 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5775.00 102.11 ------ ------ 89.54 35.89 10.14 33.46 101 299 PEAK
Avg	Blank	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5775.00 95.39 ------ ------ 82.83 35.89 10.13 33.46 101 299 AVERAGE

Mode	9	
	Band Edge - R	
	U-NII-3_802.11ac VHT80_CH155_5775MHz	
ANT	9	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5854.98 75.14 110.86 -35.72 62.32 36.00 10.29 33.47 101 299 PEAK 2 5864.78 73.51 108.06 -34.55 60.66 36.01 10.31 33.47 101 299 PEAK 3 5924.28 61.26 68.83 -7.57 48.21 36.09 10.44 33.48 101 299 PEAK 4 5930.05 61.80 68.30 -6.50 48.74 36.10 10.45 33.49 101 299 PEAK	Blank

Mode	9	
	Band Edge - L	
	U-NII-3_802.11ac VHT80_CH155_5775MHz	
ANT	9	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5649.53 58.91 68.30 -9.39 46.77 35.71 9.86 33.43 276 269 PEAK 2 5650.23 58.72 68.47 -9.75 46.58 35.71 9.86 33.43 276 269 PEAK 3 5703.25 71.43 106.11 -34.68 59.12 35.78 9.97 33.44 276 269 PEAK 4 5720.23 73.25 111.31 -38.06 60.87 35.81 10.01 33.44 276 269 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5775.00 97.35 ------ ------ 84.76 35.90 10.15 33.46 276 269 PEAK
Avg	Blank	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5775.00 90.59 ------ ------ 78.02 35.89 10.14 33.46 276 269 AVERAGE

Mode	9	
	Band Edge - R	
	U-NII-3_802.11ac VHT80_CH155_5775MHz	
ANT	9	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5854.98 71.25 110.86 -39.61 58.43 36.00 10.29 33.47 276 269 PEAK 2 5855.33 73.77 110.71 -36.94 60.95 36.00 10.29 33.47 276 269 PEAK 3 5924.80 57.68 68.45 -10.77 44.63 36.09 10.44 33.48 276 269 PEAK 4 5928.13 59.95 68.30 -8.35 46.89 36.10 10.45 33.49 276 269 PEAK	Blank

Mode	9	
	Harmonic	
	U-NII-3_802.11ac VHT80_CH155_5775MHz	
ANT	9	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Over Limit Limit Line ReadAntenna Level Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11550.00 52.13 -21.87 74.00 64.61 38.47 12.93 63.88 187 241 Peak 2 11550.00 44.75 -9.25 54.00 57.23 38.47 12.93 63.88 187 241 Average 3 * 17325.00 47.33 -20.97 68.30 53.75 42.94 15.80 65.16 --- --- Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 * 11550.00 53.14 -20.86 74.00 65.62 38.47 12.93 63.88 172 146 Peak 2 11550.00 47.14 -6.86 54.00 59.62 38.47 12.93 63.88 172 146 Average 3 17325.00 46.74 -21.56 68.30 53.16 42.94 15.80 65.16 --- --- Peak

Mode	10	
	LF	
	U-NII-3_802.11a-LF_CH157_5785MHz	
ANT	9	
Pol.	Horizontal	Vertical
QP/ Peak		

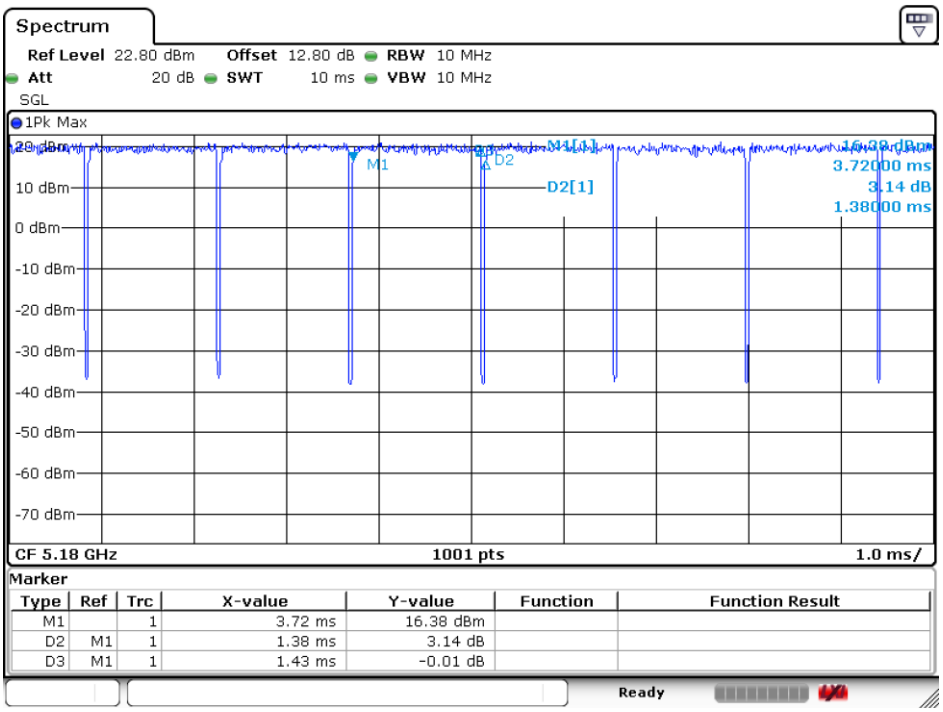
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	30.00	22.60	40.00	-17.40	28.28	25.29	0.53	31.50	---	---	Peak
2	162.89	23.39	43.50	-20.11	37.38	16.28	1.30	31.57	---	---	Peak
3	215.27	23.80	43.50	-19.70	38.54	15.26	1.50	31.50	---	---	Peak
4	288.02	25.49	46.00	-20.51	36.16	19.15	1.76	31.58	---	---	Peak
5	550.89	27.15	46.00	-18.85	29.50	26.49	2.46	31.30	---	---	Peak
6	954.41	32.05	46.00	-13.95	28.05	31.60	3.24	30.84	---	---	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	30.97	28.22	40.00	-11.78	34.50	24.72	0.54	31.54	---	---	Peak
2	83.35	22.37	40.00	-17.63	39.17	13.99	0.91	31.70	---	---	Peak
3	166.77	24.73	43.50	-18.77	38.97	16.01	1.32	31.57	---	---	Peak
4	292.87	23.44	46.00	-22.56	33.92	19.33	1.78	31.59	---	---	Peak
5	553.80	26.48	46.00	-19.52	28.50	26.79	2.47	31.28	---	---	Peak
6	867.11	30.96	46.00	-15.04	29.49	29.41	3.09	31.03	---	---	Peak

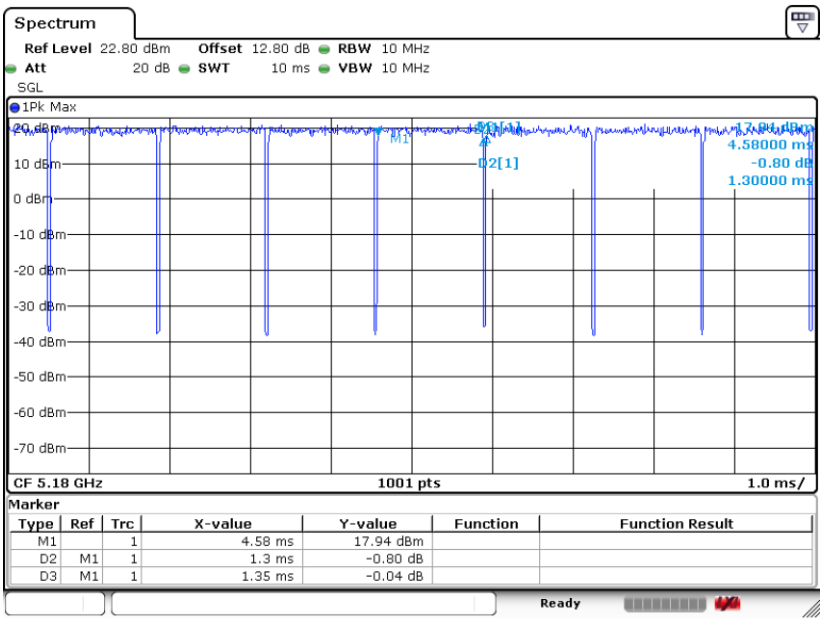
Appendix D. Duty Cycle Plots

Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11a	96.50	1.38	0.725	1KHz
802.11ac VHT20	96.30	1.3	0.770	1KHz
802.11ac VHT40	91.30	0.63	1.587	3KHz
802.11ac VHT80	90.45	0.322	3.106	10KHZ

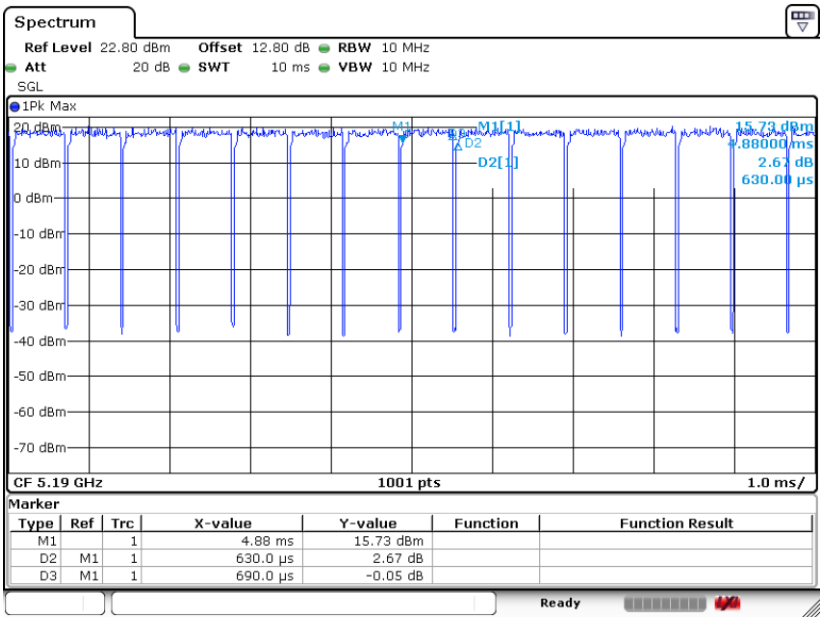
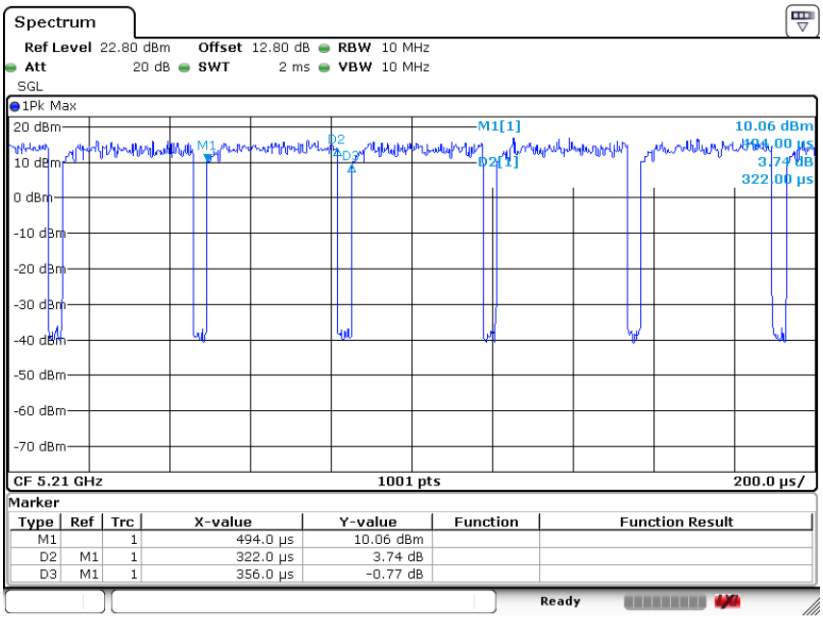
802.11a



802.11ac VHT20



802.11ac VHT40



802.11ac VHT80