FCC RF Test Report

APPLICANT	:	Luxottica Group S.p.A.
EQUIPMENT	:	SMART GLASSES
BRAND NAME	:	Ray-Ban Meta or Ray-Ban
MODEL NAME	:	RW4006, RW4008, RW4009
FCC ID	:	2AYOA-4003
STANDARD	:	FCC Part 15 Subpart E §15.407
CLASSIFICATION	:	(NII) Unlicensed National Information Infrastructure
TEST DATE(S)	:	May 08, 2023 ~ Jun. 10, 2023

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

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People's Republic of China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR272102-02E	Rev. 01	Initial issue of report	Jul. 03, 2023
FR272102-02E	Rev. 02	Update Equipment name, Brand name and address of Applicant & Manufacturer	Jul. 26, 2023

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.403(i)	6dB, 26dB and 99% Occupied 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 8.14 dB at 5643.40 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 19.60 dB at 0.21 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

Luxottica Group S.p.A.
Piazzale Cadorna 3 20123 Milan, Italy

1.2 Manufacturer

Luxottica Group S.p.A.
Piazzale Cadorna 3 20123 Milan, Italy

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	SMART GLASSES
Brand Name	Ray-Ban Meta or Ray-Ban
Model Name	RW4006, RW4008, RW4009
FCC ID	2AYOA-4003
IMEI Code	Conducted: 2Q37B1WF3J003B Conduction: 2Q37B1WF3J006G Radiation: 2Q37B1WF3J002Z
HW Version	EVT2
SW Version	12/SQ3A. 220605. 009. A1/49757590052300100:userdebug/test-keys
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 three types of EUT: Sample 1(RW4006), Sample 2(RW4008) and Sample 3(RW4009). The manufacturer declares that they share the same radio characteristics and Software/Firmware, the differences between each of them are color of lenses and size of frames which certainly do not affect the test results. Therefore, the test is mainly performed with the Sample 1.
3. The device has four power states, the power state C is the highest output power, thus RF report only test power state C with the highest output power.
4. Under power state C, RSE pretest the “glass in charging case” and “glass stand alone” mode, use the worst mode “glass stand alone” to perform final RSE test.

Power State	Exposure Condition
A	Face-Worn
	Rest-on-Head
B	Rest-on-Shirt
	Pocketing
C	Pocketing/handheld (in Charging Case)
D	Free Space/Off Body

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Channel Frequency Range	5745 MHz ~ 5825 MHz
Maximum Output Power	**<5745 MHz ~ 5825 MHz>** 802.11a : 16.17 dBm / 0.0414 W 802.11n HT20 : 16.24 dBm / 0.0421 W 802.11n HT40 : 16.89 dBm / 0.0489 W 802.11ac VHT20: 16.22 dBm / 0.0419 W 802.11ac VHT40: 16.87 dBm / 0.0486 W 802.11ac VHT80: 16.76 dBm / 0.0474 W 802.11ax HE20: 16.28 dBm / 0.0425 W 802.11ax HE40: 16.92 dBm / 0.0492 W 802.11ax HE80: 16.78 dBm / 0.0476 W
99% Occupied Bandwidth	802.11a : 17.58 MHz 802.11ax HE20: 19.23 MHz 802.11ax HE40: 37.96 MHz 802.11ax HE80: 77.84 MHz
Type of Modulation	802.11a/n: OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) 802.11ax: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM / 4096QAM)
Antenna Type / Gain	Inverted-F and folded monopole Antenna with gain 2.4 dBi

Note:

1. For 802.11n / 11ac / 11ax mode, the whole testing has assessed 802.11ax HE20 / HE40 / HE80 by referring to the higher output power.
2. 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 full tested for conducted Power/PSD/Spurious/Bandedge.
3. The device does not support 802.11ax channel puncture mode.

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	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 China 518103 TEL: +86-755-33202398		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	03CH03-SZ	CN1256	421272

1.7 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH03-SZ	AUDIX	E3	6.2009-8-24
2.	CO01-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 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)
5745-5825 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 "*" were 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel in "#" were 802.11ac VHT80 and 802.11ax HE80.

2.2 Test Mode

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

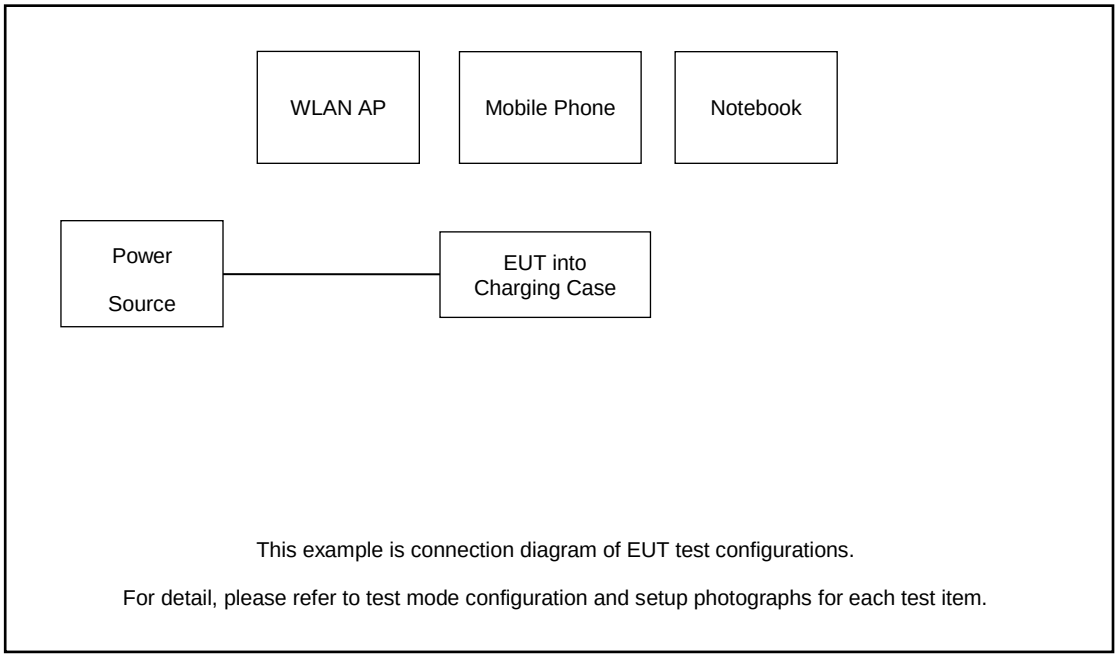
Modulation	Data Rate
802.11a	6 Mbps
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0

AC Conducted Emission	Mode 1 : BT Link (Connect to phone) + WLAN (5G) Link + EUT into Charging case (Ray-Ban Meta) + Ray-Ban Meta -Type C with Adapter (Charging from Adapter) for Sample 1

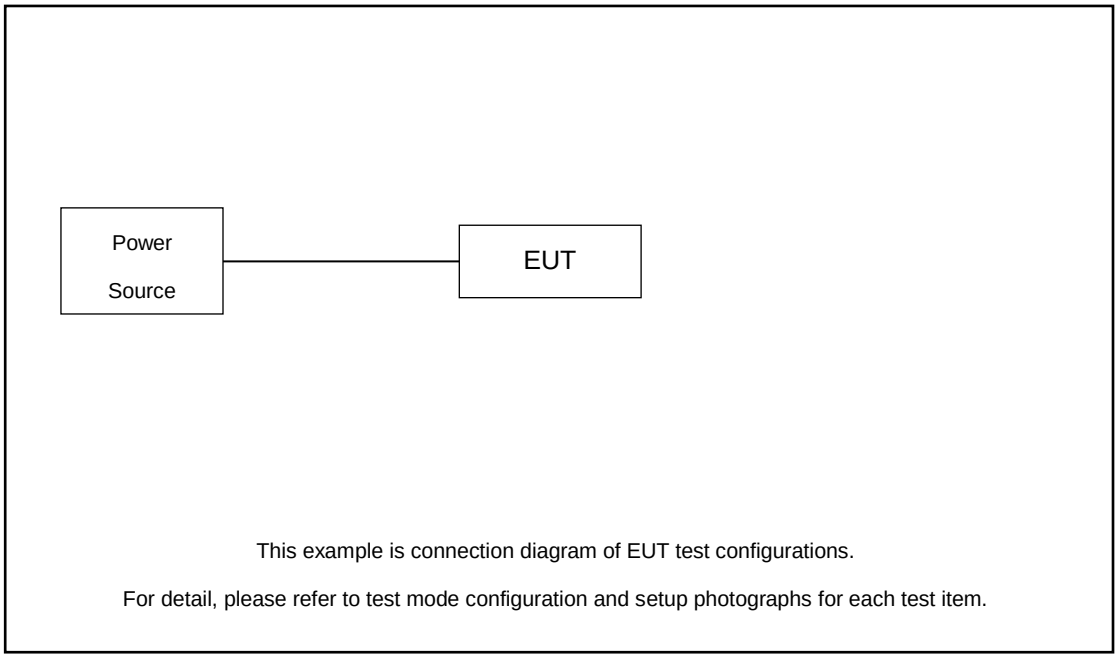
Ch. #		U-NII-3 : 5745-5825 MHz			
		802.11a	802.11ax HE20	802.11ax HE40	802.11ax HE80
L	Low	149	149	151	-
M	Middle	157	157	-	155
H	High	165	165	159	-

2.3 Connection Diagram of Test System

For Conducted Emission:



For 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.	WLAN AP	Dlink	DIR-820L	KA2IR820LA1	N/A	Unshielded,1.8m
2.	Notebook	Lenovo	E540	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Mobile Phone	Oneplus	N/A	N/A	N/A	N/A
4.	Adapter	N/A	N/A	N/A	N/A	N/A
5.	DC Power Supply	N/A	N/A	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 continuous transmit.

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

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 3.4 dB and 20dB attenuator.

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

= 3.4 + 20 = 23.4 (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.

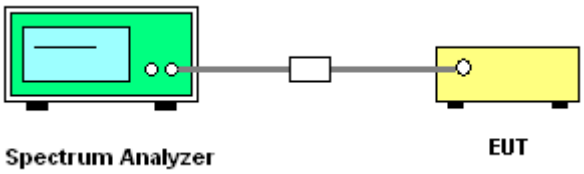
3.1.2 Measuring Instruments

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.

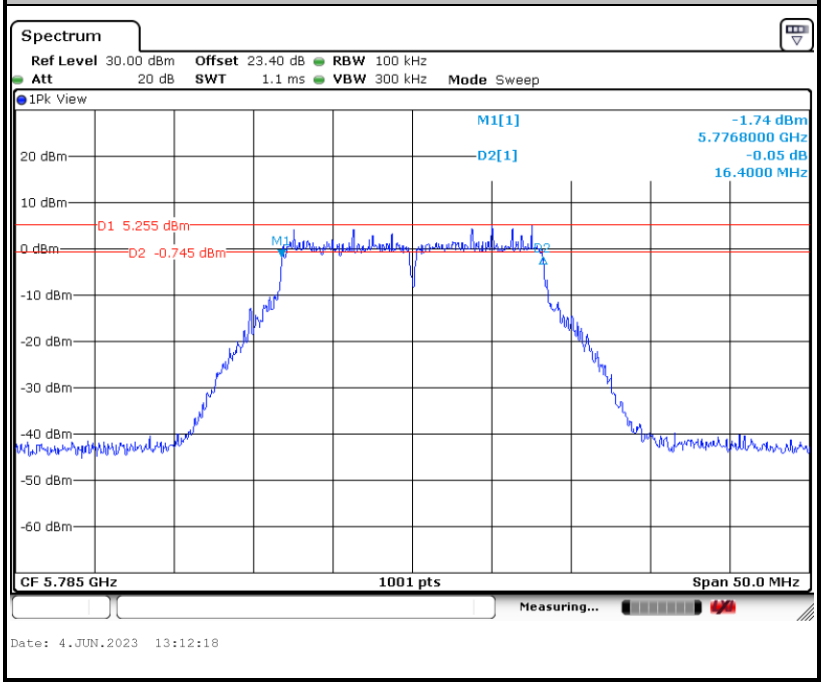
3.1.4 Test Setup



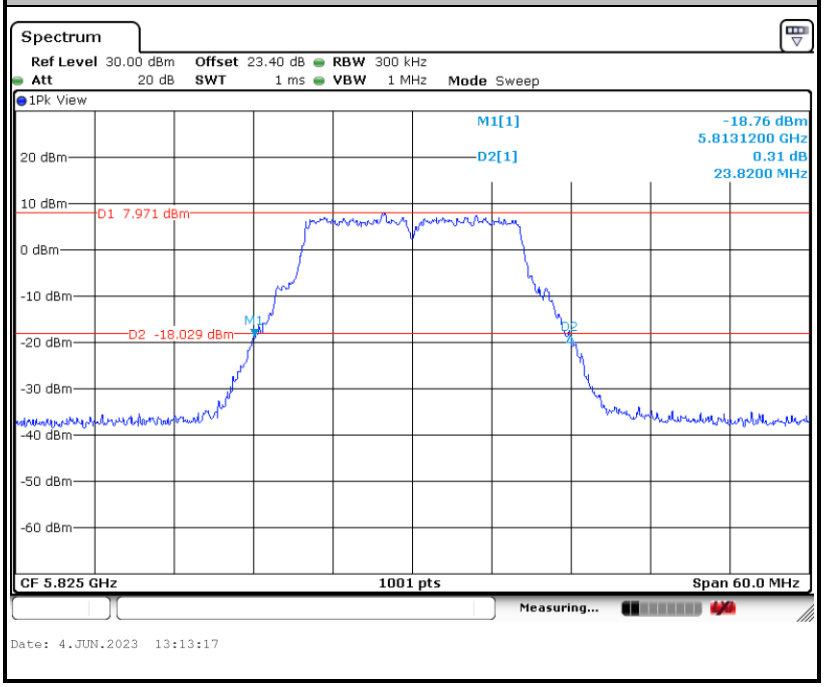
3.1.5 Test Result of 6dB Bandwidth

Please refer to Appendix A.

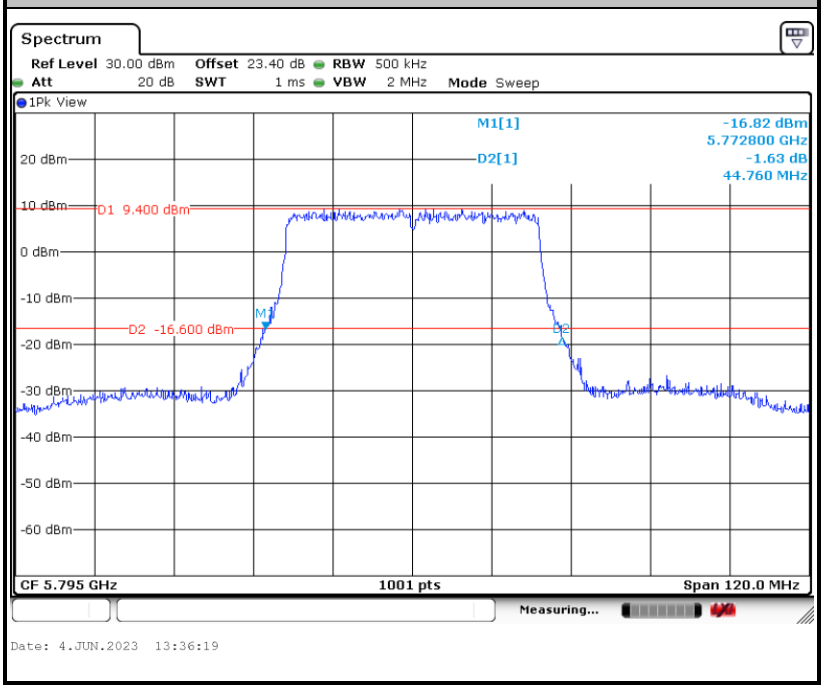
Minimum 6dB Bandwidth



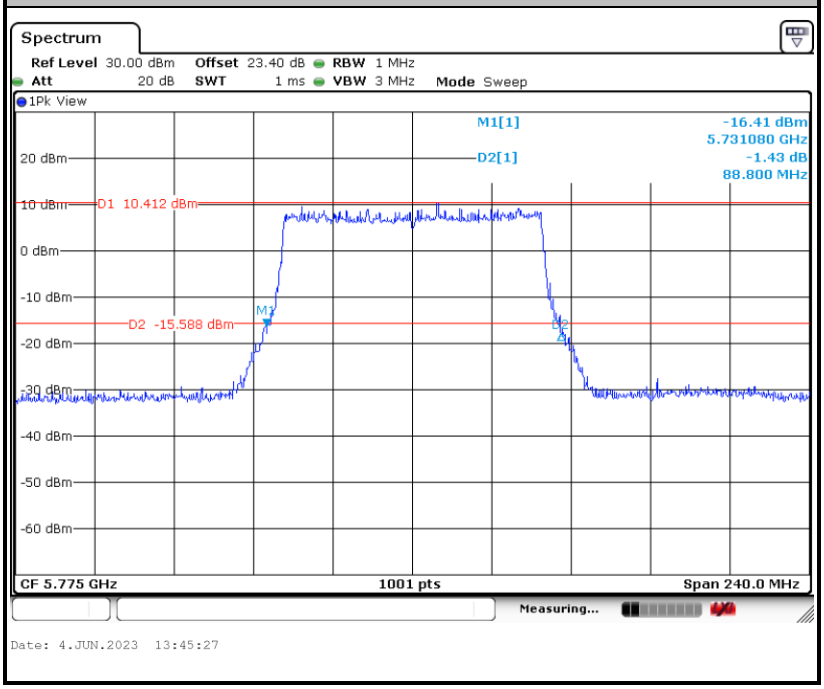
Maximum 26dB Bandwidth for 20M BW



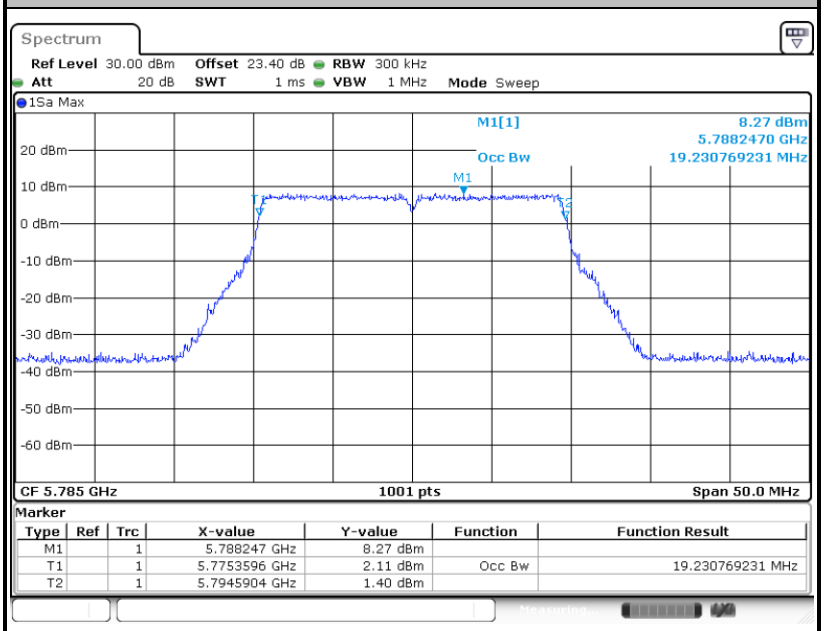
Maximum 26dB Bandwidth for 40M BW



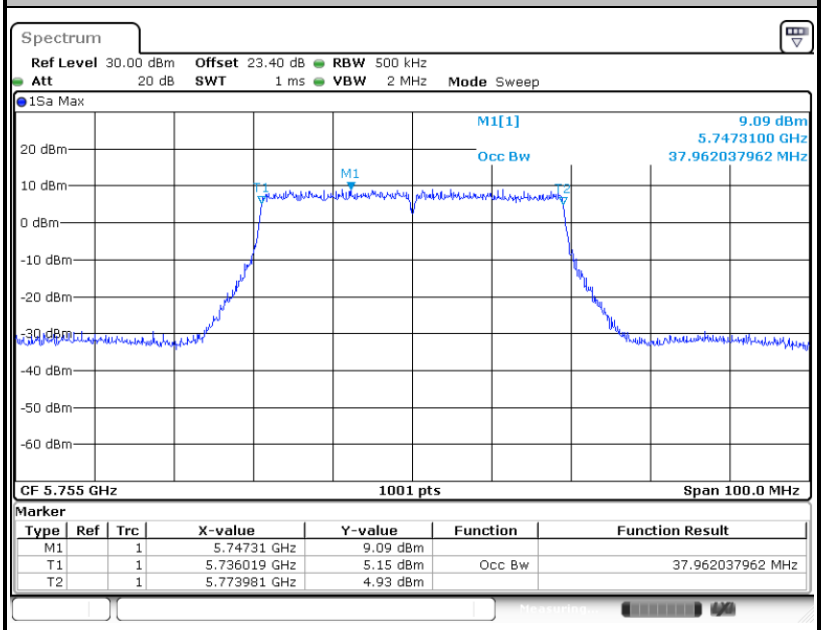
Maximum 26dB Bandwidth for 80M BW



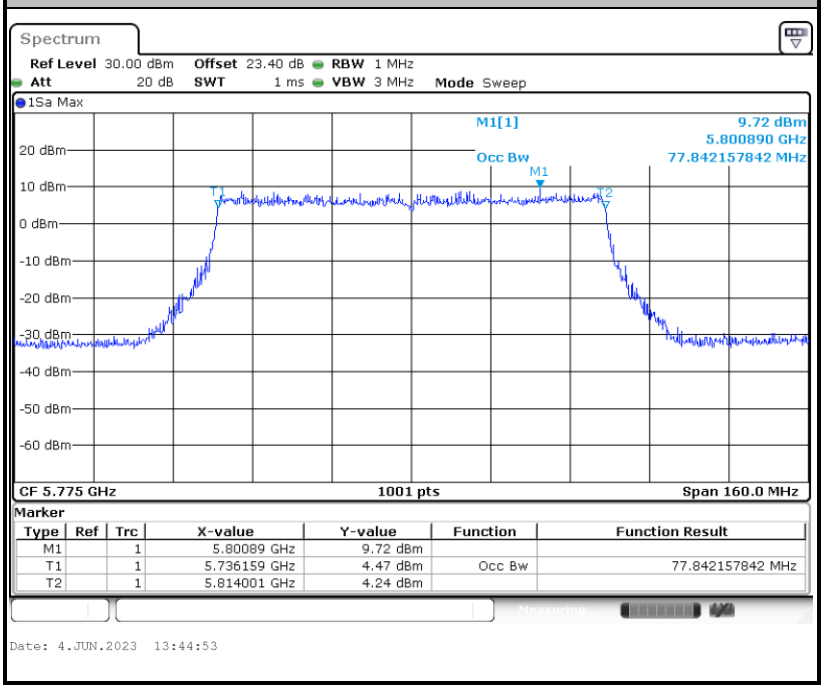
Maximum 99% Occupied Bandwidth for 20M BW



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.

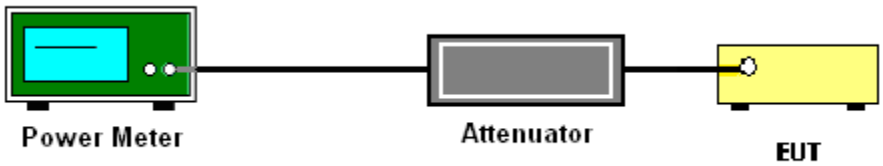
3.2.3 Test Procedures

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 v02r01.

Section F) Maximum power spectral density.

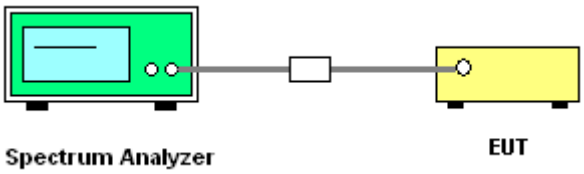
 # Method SA-2 #

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

- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 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.

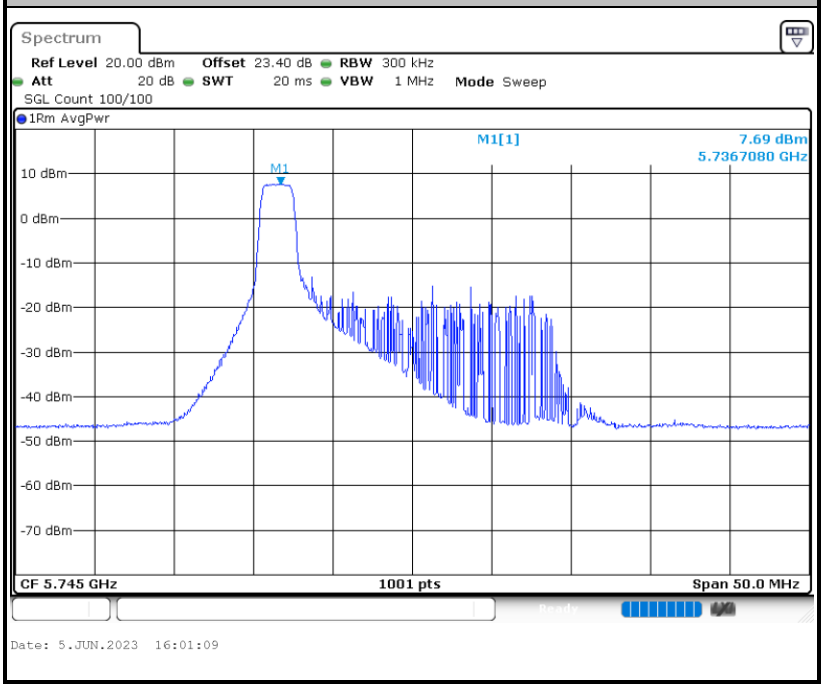
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



Note: Worst Average Power Density = Measured value + Duty Factor + RBW offset

3.4 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

3.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 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

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) ANSI C63.10-2013 clause 12.7.3 note 97

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

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

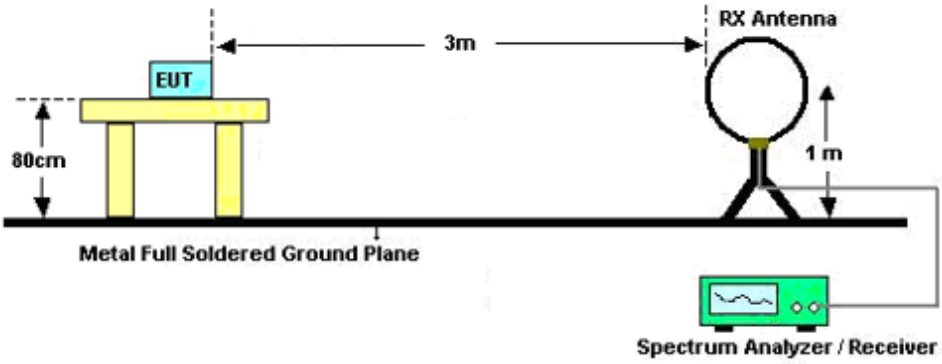
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

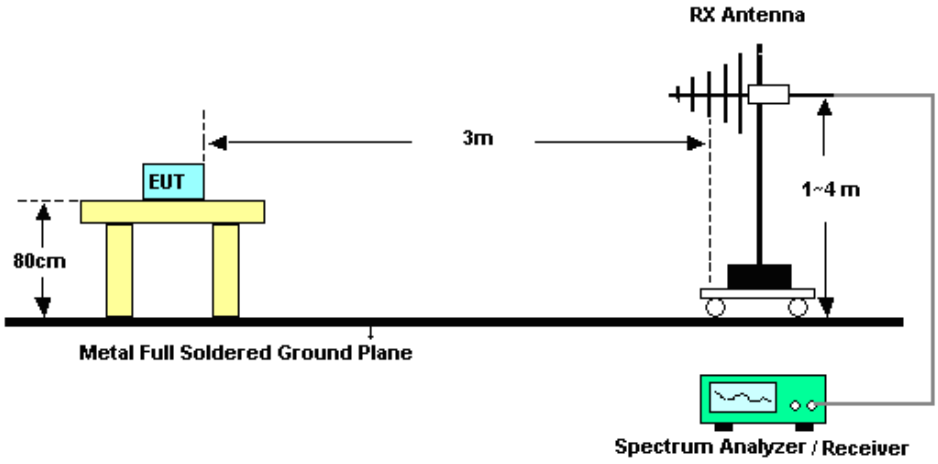
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband 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 peak limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

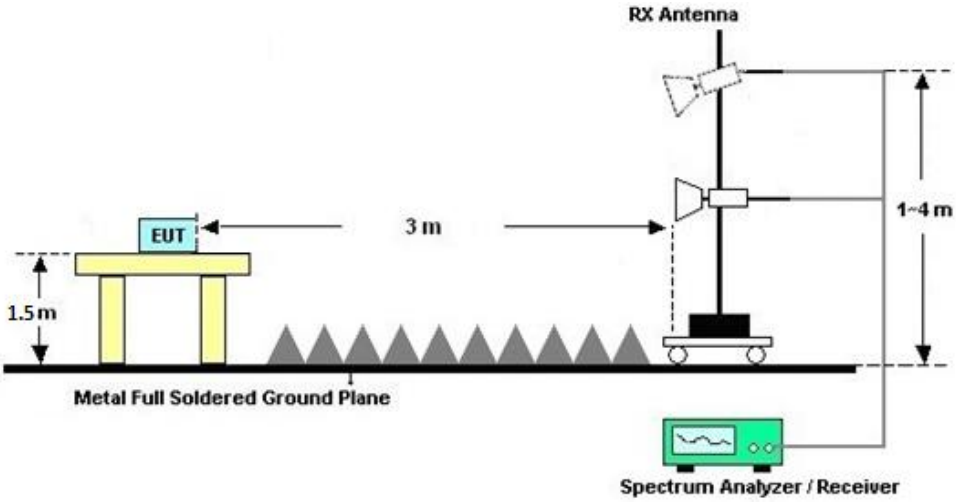
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.4.5 Test Results of Radiated 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 Band Edges

Please refer to Appendix C.

3.4.7 Duty Cycle

Please refer to Appendix D.

3.4.8 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic or 40GHz, whichever is lower)

Please refer to Appendix C.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

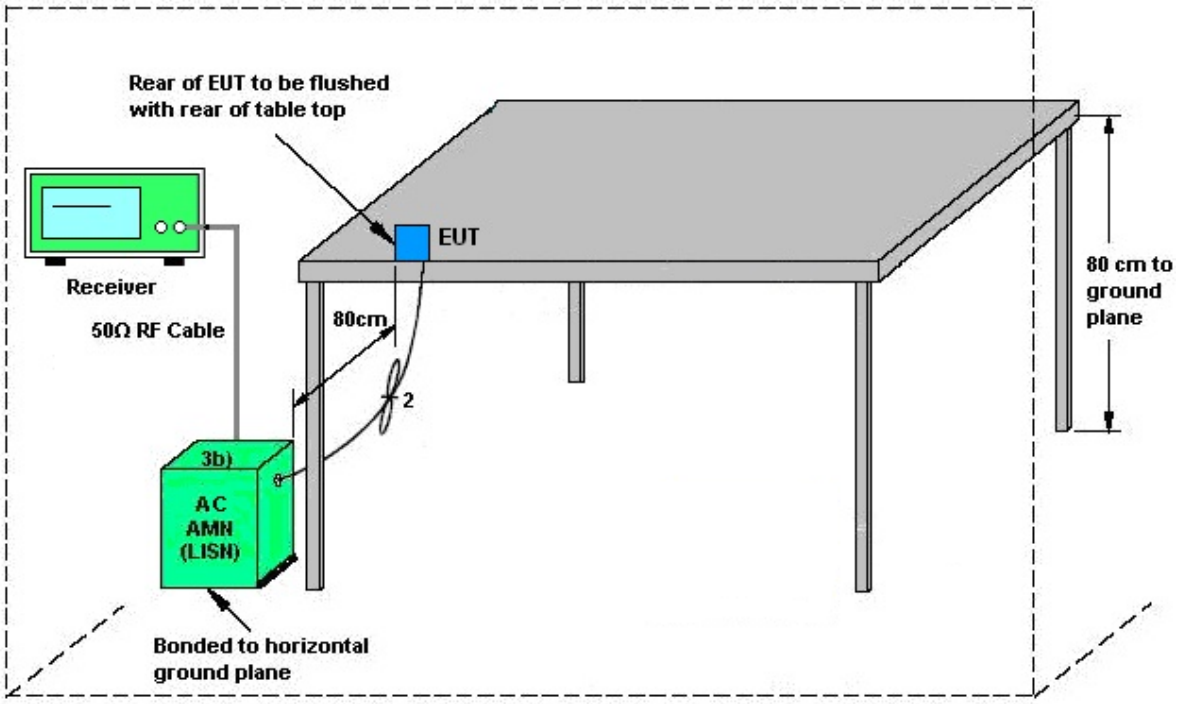
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

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
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 06, 2023	Jun. 04, 2023~ Jun. 05, 2023	Apr. 05, 2024	Conducted (TH01-SZ)
Pulse Power Senor	Anritsu	MA2411B	1339473	30MHz~40GHz	Dec. 27, 2022	Jun. 04, 2023~ Jun. 05, 2023	Dec. 26, 2023	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1542004	50MHz Bandwidth	Dec. 27, 2022	Jun. 04, 2023~ Jun. 05, 2023	Dec. 26, 2023	Conducted (TH01-SZ)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 04, 2023	May 08, 2023~ Jun. 10, 2023	Apr. 03, 2024	Radiation (03CH03-SZ)
EXA Spectrum Anaiyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	Apr. 04, 2023	May 08, 2023~ Jun. 10, 2023	Apr. 03, 2024	Radiation (03CH03-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jul. 28, 2022	May 08, 2023~ Jun. 10, 2023	Jul. 27, 2024	Radiation (03CH03-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz-2GHz	Aug. 09, 2021	May 08, 2023~ Jun. 10, 2023	Aug. 08, 2023	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1355	1GHz~18GHz	Apr. 08, 2023	May 08, 2023~ Jun. 10, 2023	Apr. 07, 2024	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 08, 2023	May 08, 2023~ Jun. 10, 2023	Apr. 07, 2024	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 19, 2022	May 08, 2023~ Jun. 10, 2023	Oct. 18, 2023	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 19, 2022	May 08, 2023~ Jun. 10, 2023	Oct. 18, 2023	Radiation (03CH03-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5GHz	Dec. 26, 2022	May 08, 2023~ Jun. 10, 2023	Dec. 25, 2023	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 06, 2022	May 08, 2023~ Jun. 10, 2023	Jul. 05, 2023	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010002729	1 N/A	Nov. 10, 2022	May 08, 2023~ Jun. 10, 2023	Nov. 09, 2023	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	May 08, 2023~ Jun. 10, 2023	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	May 08, 2023~ Jun. 10, 2023	NCR	Radiation (03CH03-SZ)
EMI Receiver	R&S	ESR7	101630	9kHz~7GHz;	Jul. 07, 2022	Jun. 07, 2023	Jul. 06, 2023	Conduction (CO01-SZ)
AC LISN	R&S	ENV216	100063	9kHz~30MHz	Sep. 15, 2022	Jun. 07, 2023	Sep. 14, 2023	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	EMCO	3816/2SH	00103892	9kHz~30MHz	Oct. 17, 2022	Jun. 07, 2023	Oct. 16, 2023	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	616020000891	100Vac~250Vac	Jul. 07, 2022	Jun. 07, 2023	Jul. 06, 2023	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 Power	±1.34 dB
Conducted Emissions	±1.34 dB
Occupied Channel Bandwidth	±0.13 %
Conducted Power Spectral Density	±1.32 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.7dB

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 (1000 MHz ~ 18000 MHz)

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

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

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

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

Appendix A. Conducted Test Results

Test Engineer:	Liu Qiu Qiu	Temperature:	21~25	°C
Test Date:	2023/6/4~2023/6/5	Relative Humidity:	51~54	%

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	Power Setting
HT20	MCS 0	1	149	5745	0.00	16.21	30.00	2.40		Pass	17.5
HT20	MCS 0	1	157	5785	0.00	16.24	30.00	2.40		Pass	17.5
HT20	MCS 0	1	165	5825	0.00	16.08	30.00	2.40		Pass	17.5
HT40	MCS 0	1	151	5755	0.00	16.80	30.00	2.40		Pass	17.5
HT40	MCS 0	1	159	5795	0.00	16.89	30.00	2.40		Pass	17.5
VHT20	MCS 0	1	149	5745	0.00	16.20	30.00	2.40		Pass	17.5
VHT20	MCS 0	1	157	5785	0.00	16.22	30.00	2.40		Pass	17.5
VHT20	MCS 0	1	165	5825	0.00	16.06	30.00	2.40		Pass	17.5
VHT40	MCS 0	1	151	5755	0.00	16.78	30.00	2.40		Pass	17.5
VHT40	MCS 0	1	159	5795	0.00	16.87	30.00	2.40		Pass	17.5
VHT80	MCS 0	1	155	5775	0.00	16.76	30.00	2.40		Pass	17.5

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

U-NII-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
11a	6Mbps	1	149	5745	17.53	23.82	16.45	0.5	Pass
11a	6Mbps	1	157	5785	17.58	23.76	16.40	0.5	Pass
11a	6Mbps	1	165	5825	17.43	23.82	16.45	0.5	Pass
HE20	MCS0	1	149	5745	19.18	23.64	19.10	0.5	Pass
HE20	MCS0	1	157	5785	19.23	23.64	19.20	0.5	Pass
HE20	MCS0	1	165	5825	19.13	23.52	19.15	0.5	Pass
HE40	MCS0	1	151	5755	37.96	44.52	38.34	0.5	Pass
HE40	MCS0	1	159	5795	37.96	44.76	38.34	0.5	Pass
HE80	MCS0	1	155	5775	77.84	88.80	78.40	0.5	Pass

TEST RESULTS DATA
Average Power Table

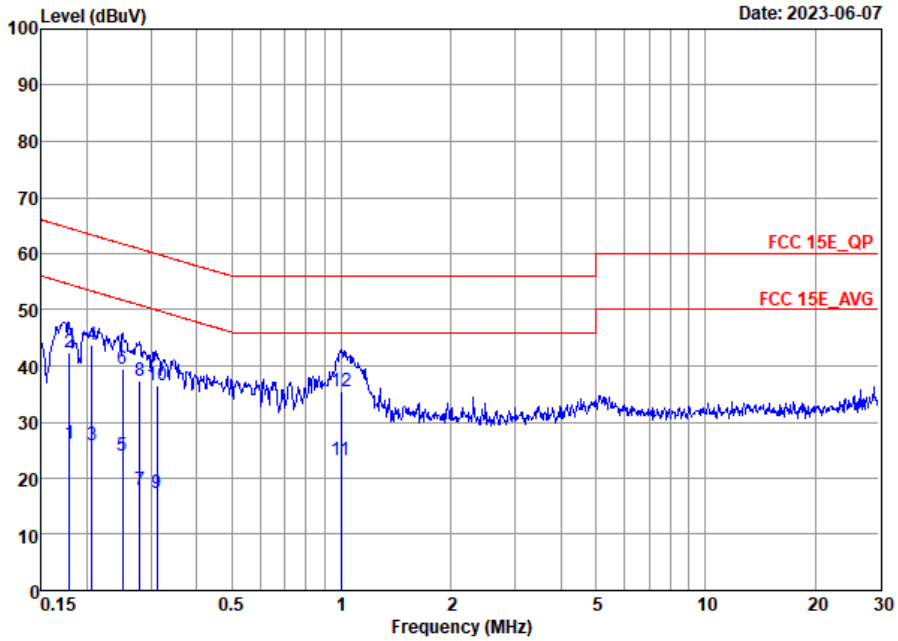
U-NII-3											
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)	Pass/Fail	Power Setting
11a	6Mbps	1	149	Full	5745	0.03	16.13	30.00	2.40	Pass	17.5
11a	6Mbps	1	157	Full	5785	0.03	16.15	30.00	2.40	Pass	17.5
11a	6Mbps	1	165	Full	5825	0.03	16.17	30.00	2.40	Pass	17.5
HE20	MCS0	1	149	Full	5745	0.06	16.23	30.00	2.40	Pass	17.5
	MCS0	1		26/0		0.06	16.15	30.00	2.40	Pass	16.5
	MCS0	1		52/37		0.06	16.13	30.00	2.40	Pass	16.5
	MCS0	1		106/53		0.06	16.11	30.00	2.40	Pass	16.5
HE20	MCS0	1	157	Full	5785	0.06	16.26	30.00	2.40	Pass	17.5
HE20	MCS0	1	165	Full	5825	0.06	16.28	30.00	2.40	Pass	17.5
	MCS0	1		26/8		0.06	15.94	30.00	2.40	Pass	16.5
	MCS0	1		52/40		0.06	15.91	30.00	2.40	Pass	16.5
	MCS0	1		106/54		0.06	16.02	30.00	2.40	Pass	16.5
HE40	MCS0	1	151	Full	5755	0.03	16.83	30.00	2.40	Pass	17.5
HE40	MCS0	1	159	Full	5795	0.03	16.92	30.00	2.40	Pass	17.5
HE80	MCS0	1	155	Full	5775	0.05	16.78	30.00	2.40	Pass	17.5

TEST RESULTS DATA
Power Spectral Density

U-NII-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
11a	6Mbps	1	149	Full	5745	0.03	2.22	1.15	30.00	2.40	Pass
11a	6Mbps	1	157	Full	5785	0.03	2.22	1.32	30.00	2.40	Pass
11a	6Mbps	1	165	Full	5825	0.03	2.22	1.40	30.00	2.40	Pass
HE20	MCS0	1	149	Full	5745	0.06	2.22	0.59	30.00	2.40	Pass
				26/0		0.06	2.22	9.97	30.00	2.40	Pass
				52/37		0.06	2.22	6.88	30.00	2.40	Pass
				106/53		0.06	2.22	3.82	30.00	2.40	Pass
HE20	MCS0	1	157	Full	5785	0.06	2.22	0.71	30.00	2.40	Pass
HE20	MCS0	1	165	Full	5825	0.06	2.22	0.77	30.00	2.40	Pass
				26/8		0.06	2.22	9.90	30.00	2.40	Pass
				52/40		0.06	2.22	6.82	30.00	2.40	Pass
				106/54		0.06	2.22	3.85	30.00	2.40	Pass
HE40	MCS0	1	151	Full	5755	0.03	2.22	-1.82	30.00	2.40	Pass
HE40	MCS0	1	159	Full	5795	0.03	2.22	-1.73	30.00	2.40	Pass
HE80	MCS0	1	155	Full	5775	0.05	2.22	-4.92	30.00	2.40	Pass

Appendix B. AC Conducted Emission Test Results

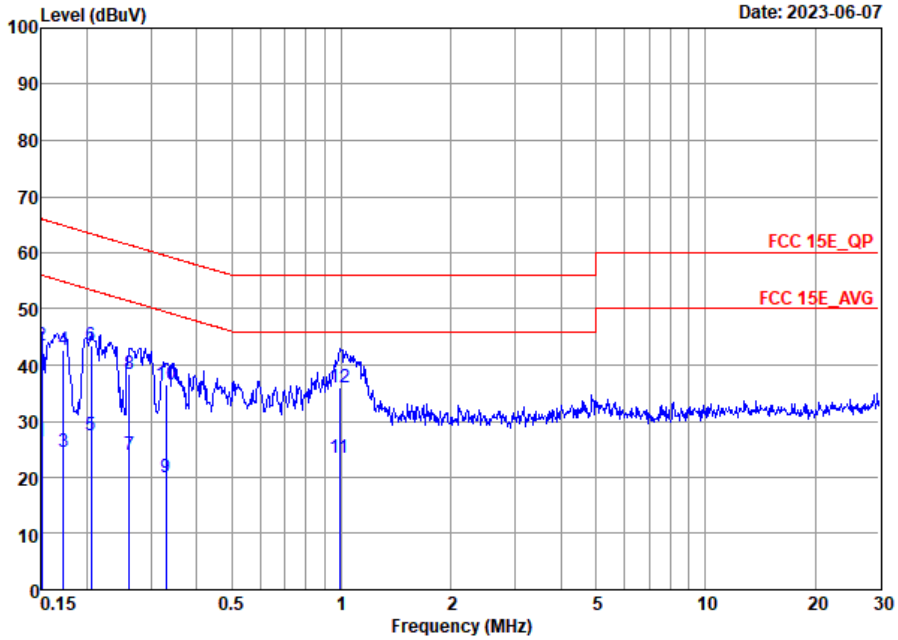
Test Engineer :	Lily	**Temperature :**	22~25℃
		Relative Humidity :	50~55%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-SZ
Condition: FCC 15E_QP LISN_20230420_L LINE

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.18	26.00	-28.55	54.55	5.40	10.46	10.14	Average
2		0.18	42.50	-22.05	64.55	21.90	10.46	10.14	QP
3		0.21	25.86	-27.50	53.36	5.30	10.41	10.15	Average
4	*	0.21	43.76	-19.60	63.36	23.20	10.41	10.15	QP
5		0.25	24.13	-27.60	51.73	3.60	10.38	10.15	Average
6		0.25	39.53	-22.20	61.73	19.00	10.38	10.15	QP
7		0.28	17.93	-32.92	50.85	-2.59	10.37	10.15	Average
8		0.28	37.23	-23.62	60.85	16.71	10.37	10.15	QP
9		0.31	17.21	-32.72	49.93	-3.29	10.35	10.15	Average
10		0.31	36.51	-23.42	59.93	16.01	10.35	10.15	QP
11		1.00	23.30	-22.70	46.00	2.90	10.24	10.16	Average
12		1.00	35.40	-20.60	56.00	15.00	10.24	10.16	QP

Test Engineer :	Lily	**Temperature :**	22~25℃
		Relative Humidity :	50~55%
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 LISN_20230420_N NEUTRAL

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.15	26.39	-29.61	56.00	5.80	10.46	10.13	Average
2		0.15	43.49	-22.51	66.00	22.90	10.46	10.13	QP
3		0.17	24.56	-30.30	54.86	4.00	10.42	10.14	Average
4		0.17	42.66	-22.20	64.86	22.10	10.42	10.14	QP
5		0.21	27.50	-25.90	53.40	7.00	10.35	10.15	Average
6	*	0.21	43.60	-19.80	63.40	23.10	10.35	10.15	QP
7		0.26	23.87	-27.51	51.38	3.40	10.32	10.15	Average
8		0.26	38.47	-22.91	61.38	18.00	10.32	10.15	QP
9		0.33	20.13	-29.31	49.44	-0.30	10.27	10.16	Average
10		0.33	36.53	-22.91	59.44	16.10	10.27	10.16	QP
11		0.99	23.50	-22.50	46.00	3.10	10.24	10.16	Average
12		0.99	35.90	-20.10	56.00	15.50	10.24	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

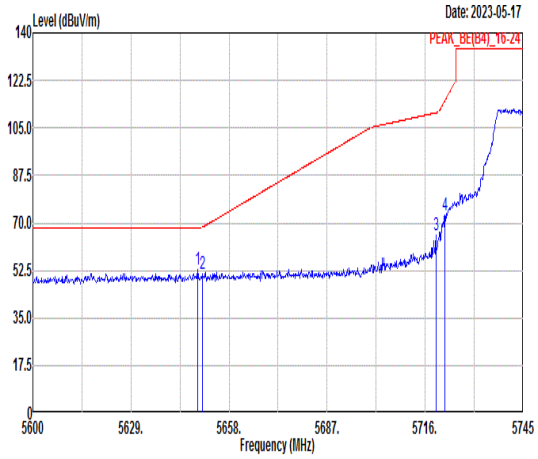
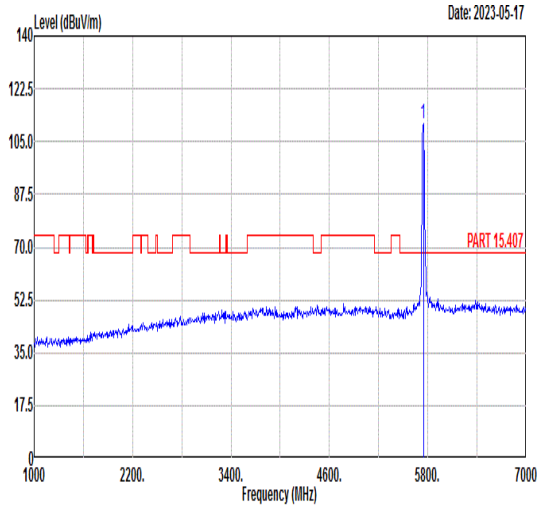
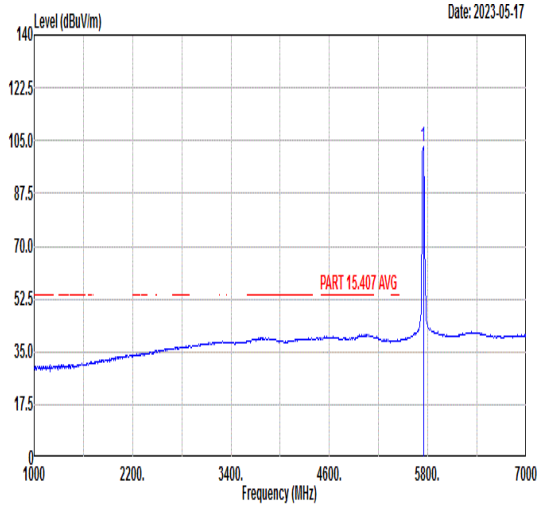
Test Engineer :	Reid Huang	**Relative Humidity :**	50%
		Temperature :	20~22℃

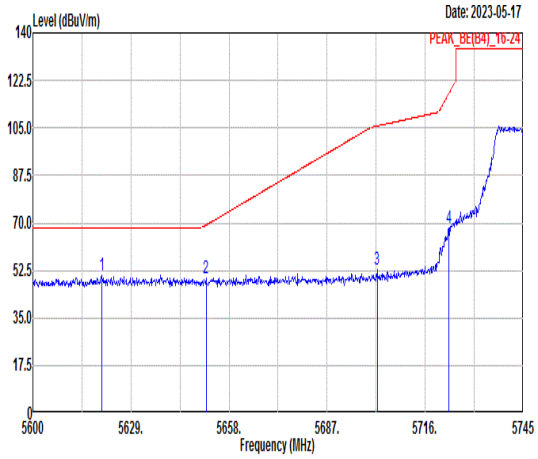
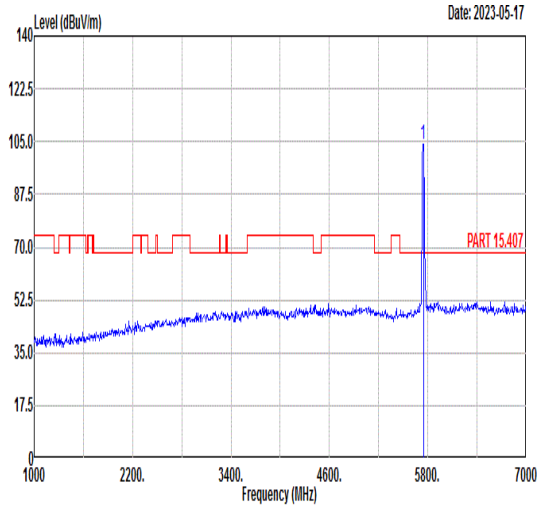
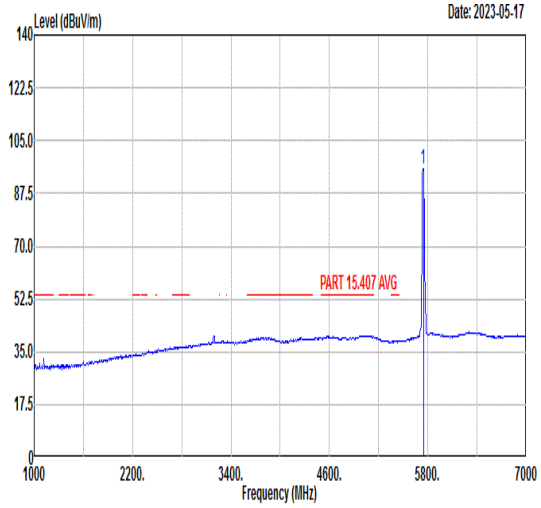
Radiated Spurious Emission Test Modes

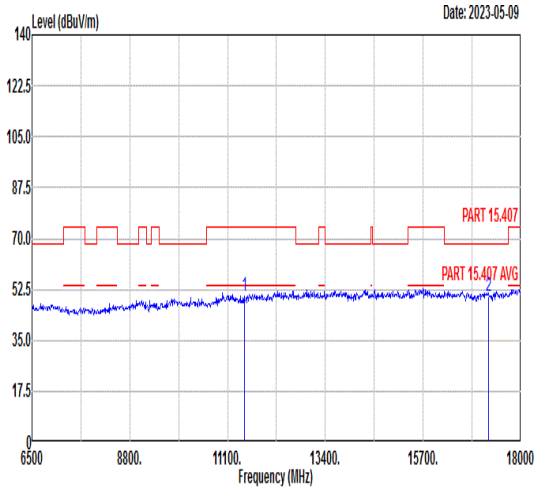
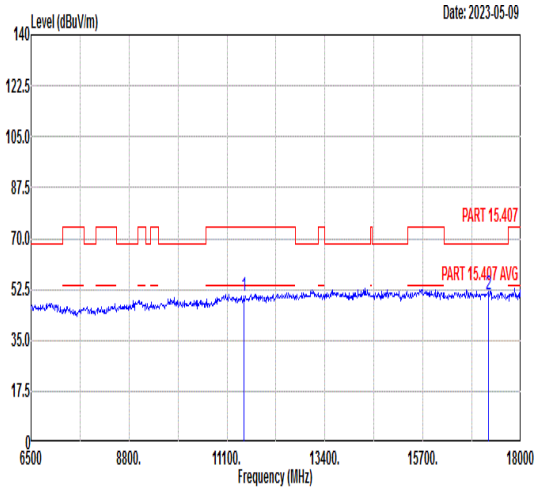
Mode	Band	Band (GHz)	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 57	U-NII-3	5.725-5.85	802.11a	149	5745	6Mbps	-	-
Mode 58	U-NII-3	5.725-5.85	802.11a	157	5785	6Mbps	-	-
Mode 59	U-NII-3	5.725-5.85	802.11a	165	5825	6Mbps	-	-
Mode 60	U-NII-3	5.725-5.85	802.11ax HE20	149	5745	MCS0	Full RU	-
Mode 61	U-NII-3	5.47-5.725	802.11ax HE20	149	5745	MCS0	RU26/0	-
Mode 62	U-NII-3	5.47-5.725	802.11ax HE20	149	5745	MCS0	RU52/37	-
Mode 63	U-NII-3	5.725-5.85	802.11ax HE20	149	5745	MCS0	RU106/53	-
Mode 64	U-NII-3	5.725-5.85	802.11ax HE20	157	5785	MCS0	Full RU	-
Mode 65	U-NII-3	5.725-5.85	802.11ax HE20	165	5825	MCS0	Full RU	-
Mode 66	U-NII-3	5.725-5.85	802.11ax HE20	165	5825	MCS0	RU26/8	-
Mode 67	U-NII-3	5.725-5.85	802.11ax HE20	165	5825	MCS0	RU52/40	-
Mode 68	U-NII-3	5.725-5.85	802.11ax HE20	165	5825	MCS0	RU106/54	-
Mode 69	U-NII-3	5.725-5.85	802.11ax HE40	151	5755	MCS0	Full RU	-
Mode 70	U-NII-3	5.725-5.85	802.11ax HE40	159	5795	MCS0	Full RU	-
Mode 71	U-NII-3	5.725-5.85	802.11ax HE80	155	5775	MCS0	Full RU	-
Mode 73	U-NII-3	5.725-5.85	802.11ax HE80	155	5775	MCS0	Full RU	LF

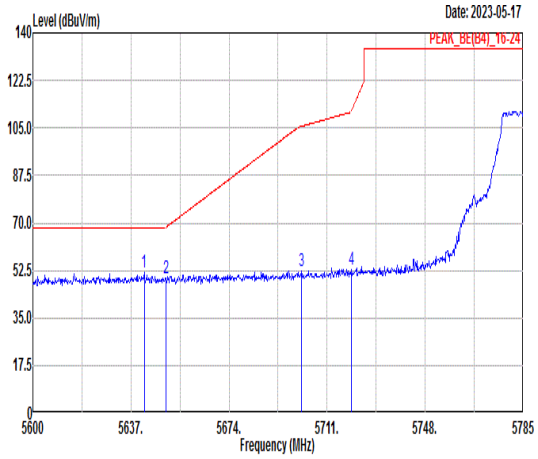
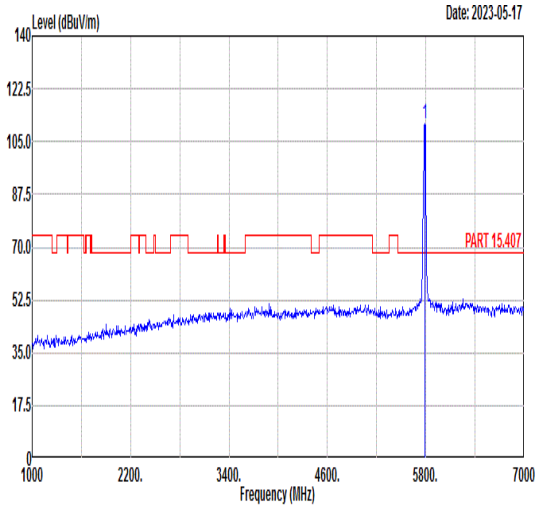
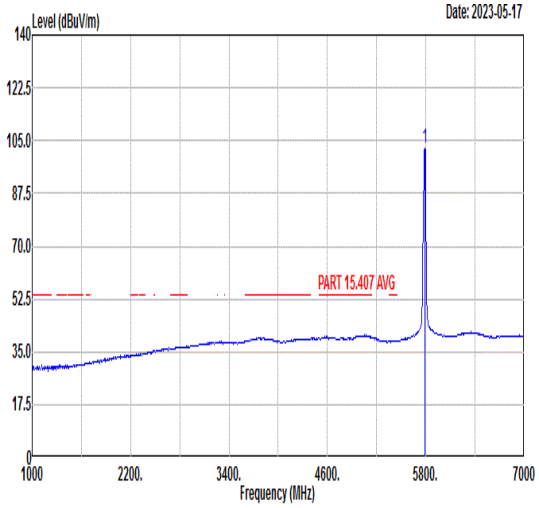
Summary of each worse mode

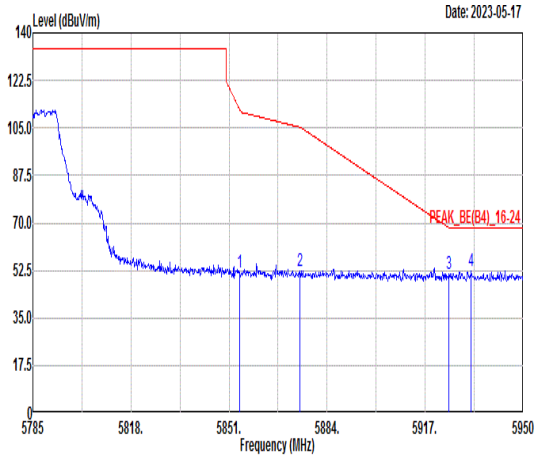
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
57	802.11a	149	5648.72	52.85	68.30	-15.45	H	Peak	Pass	Band Edge
	802.11a	149	17235.00	50.98	68.30	-17.32	V	Peak	Pass	Harmonic
58	802.11a	157	5932.51	52.41	68.30	-15.89	H	Peak	Pass	Band Edge
	802.11a	157	17355.00	52.04	68.30	-16.26	V	Peak	Pass	Harmonic
59	802.11a	165	5937.88	52.68	68.30	-15.62	H	Peak	Pass	Band Edge
	802.11a	165	17475.00	52.36	68.30	-15.94	V	Peak	Pass	Harmonic
60	802.11ax HE20	149	5619.29	52.96	68.30	-15.34	H	Peak	Pass	Band Edge
	802.11ax HE20	149	17235.00	52.08	68.30	-16.22	H	Peak	Pass	Harmonic
61	802.11ax HE20	149	5641.76	51.41	68.30	-16.89	H	Peak	Pass	Band Edge
	802.11ax HE20	149	-	-	-	-	-	-	-	Harmonic
62	802.11ax HE20	149	5606.09	51.05	68.30	-17.25	V	Peak	Pass	Band Edge
	802.11ax HE20	149	-	-	-	-	-	-	-	Harmonic
63	802.11ax HE20	149	5632.92	50.71	68.30	-17.59	H	Peak	Pass	Band Edge
	802.11ax HE20	149	-	-	-	-	-	-	-	Harmonic
64	802.11ax HE20	157	5929.54	52.96	68.30	-15.34	H	Peak	Pass	Band Edge
	802.11ax HE20	157	17355.00	53.33	68.30	-14.97	V	Peak	Pass	Harmonic
65	802.11ax HE20	165	5948.13	53.49	68.30	-14.81	H	Peak	Pass	Band Edge
	802.11ax HE20	165	17475.00	52.37	68.30	-15.93	V	Peak	Pass	Harmonic
66	802.11ax HE20	165	5930.63	51.59	68.30	-16.71	H	Peak	Pass	Band Edge
	802.11ax HE20	165	-	-	-	-	-	-	-	Harmonic
67	802.11ax HE20	165	5934.50	51.53	68.30	-16.77	H	Peak	Pass	Band Edge
	802.11ax HE20	165	-	-	-	-	-	-	-	Harmonic
68	802.11ax HE20	165	5927.13	50.76	68.30	-17.54	H	Peak	Pass	Band Edge
	802.11ax HE20	165	-	-	-	-	-	-	-	Harmonic
69	802.11ax HE40	151	5651.00	56.12	69.04	-12.92	H	Peak	Pass	Band Edge
	802.11ax HE40	151	17265.00	51.80	68.30	-16.50	H	Peak	Pass	Harmonic
70	802.11ax HE40	159	5944.73	54.76	68.30	-13.54	H	Peak	Pass	Band Edge
	802.11ax HE40	159	17385.00	51.29	68.30	-17.01	H	Peak	Pass	Harmonic
71	802.11ax HE80	155	5643.40	60.16	68.30	-8.14	H	Peak	Pass	Band Edge
	802.11ax HE80	155	17325.00	51.65	68.30	-16.65	H	Peak	Pass	Harmonic
73	802.11ax HE80	155	30.97	25.79	40.00	-14.21	V	Peak	Pass	LF

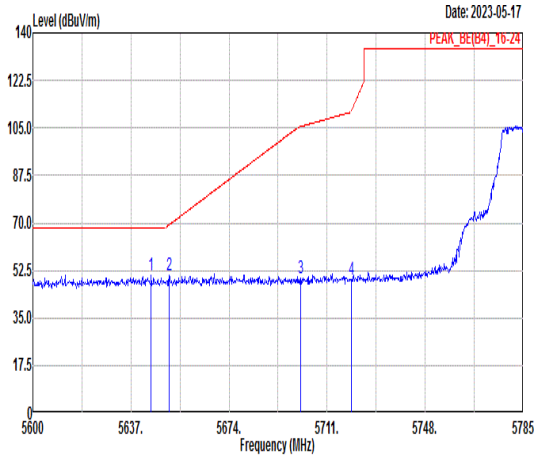
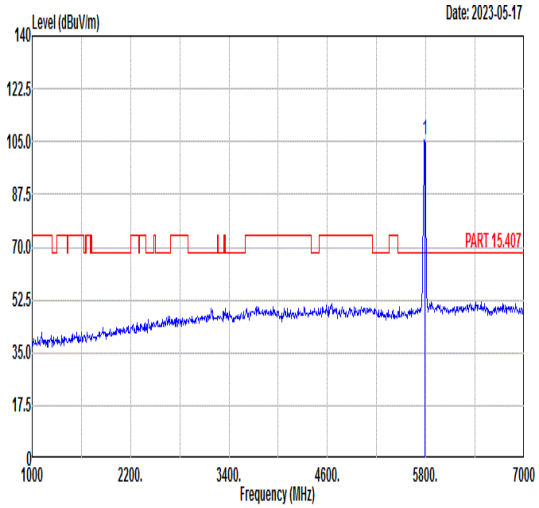
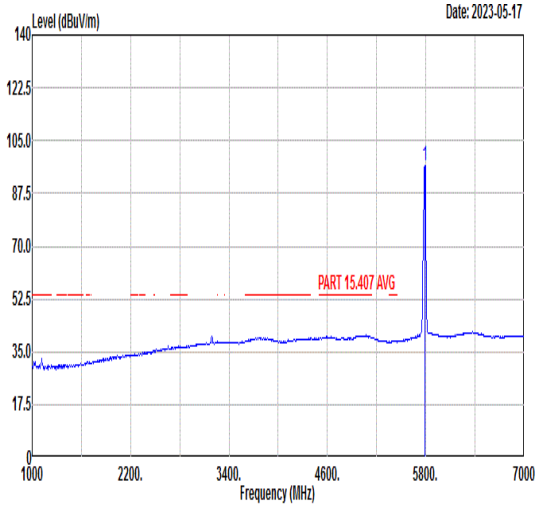
Mode	57	
	Band Edge	
	U-NII-3_5.725-5.85_802.11a_CH149_5745MHz	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5648.72 52.85 68.30 -15.45 43.10 34.73 8.39 33.37 173 154 PEAK 2 5650.03 51.23 68.32 -17.09 41.47 34.73 8.40 33.37 173 154 PEAK 3 5719.19 65.36 110.57 -45.21 55.19 34.88 8.65 33.36 173 154 PEAK 4 5721.80 72.89 114.90 -42.01 62.70 34.89 8.66 33.36 173 154 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 5745.00 111.13 ------ ------ 100.79 34.94 8.75 33.35 173 154 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 5745.00 102.77 ------ ------ 92.40 34.95 8.77 33.35 173 154 AVERAGE

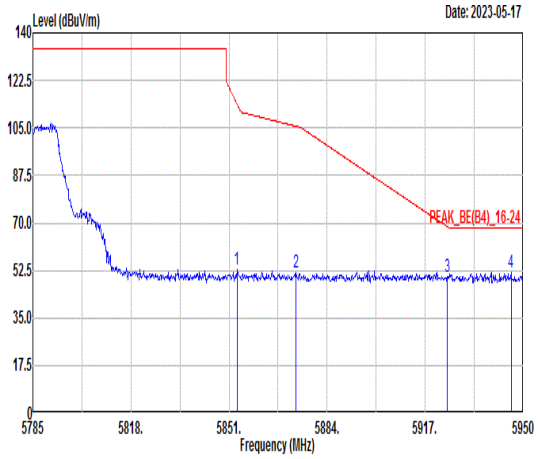
Mode	57	
	Band Edge	
	U-NII-3_5.725-5.85_802.11a_CH149_5745MHz	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5620.30 50.55 68.30 -17.75 40.98 34.66 8.29 33.38 358 185 PEAK 2 5651.19 49.86 69.18 -19.32 40.10 34.73 8.40 33.37 358 185 PEAK 3 5701.79 52.95 105.70 -52.75 42.88 34.84 8.59 33.36 358 185 PEAK 4 5722.96 68.15 117.55 -49.40 57.95 34.89 8.67 33.36 358 185 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5745.00 104.17 ------ ------ 93.86 34.93 8.73 33.35 358 185 PEAK
Avg	Blank	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5745.00 95.68 ------ ------ 85.34 34.94 8.75 33.35 358 185 AVERAGE

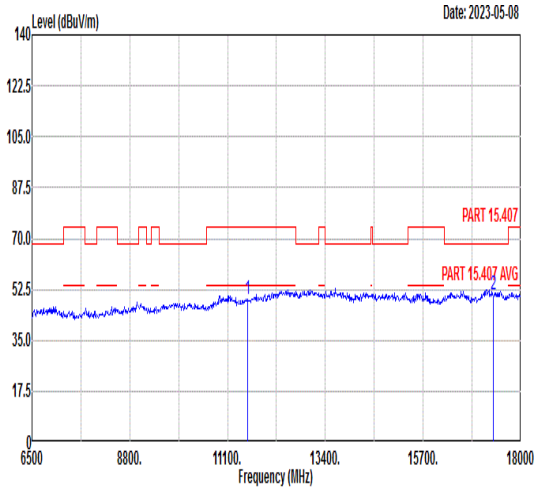
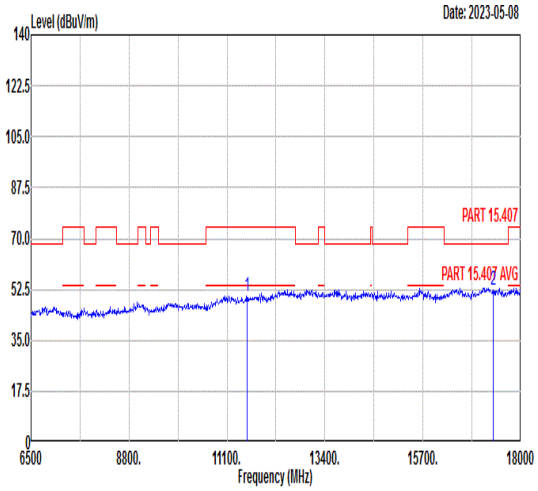
Mode	57	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH149_5745MHz	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 11490.00 49.95 74.00 -24.05 55.57 38.58 13.71 57.91 --- --- Peak 2 17235.00 50.42 68.30 -17.88 49.43 41.29 16.53 56.83 --- --- 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 11490.00 50.26 74.00 -23.74 55.88 38.58 13.71 57.91 --- --- Peak 2 17235.00 50.98 68.30 -17.32 49.99 41.29 16.53 56.83 --- --- Peak

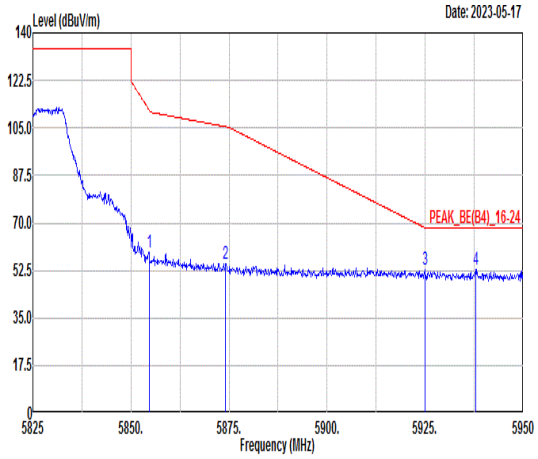
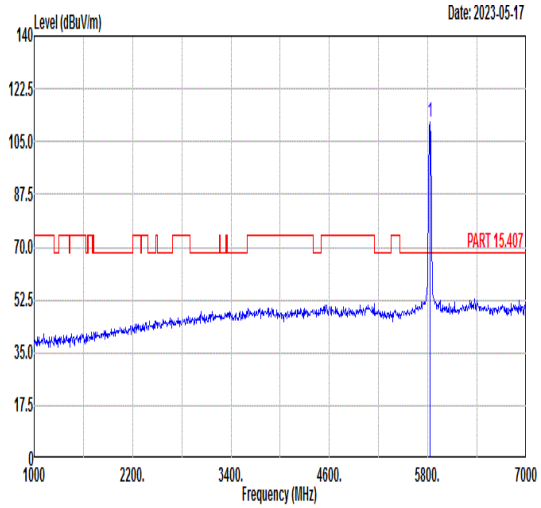
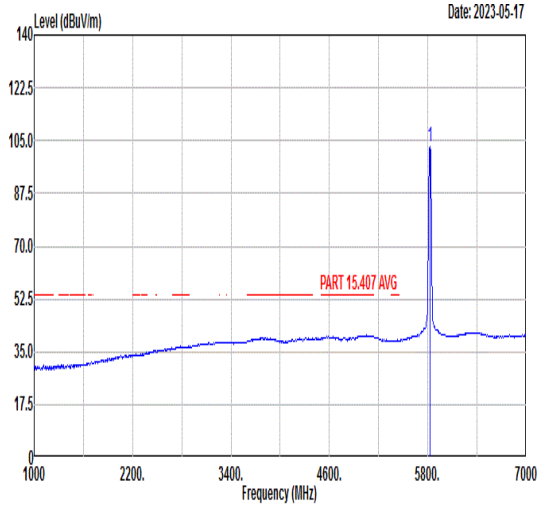
Mode	58	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5642.00 51.66 68.30 -16.64 41.95 34.71 8.37 33.37 197 156 PEAK 2 5650.14 49.80 68.40 -18.60 40.04 34.73 8.40 33.37 197 156 PEAK 3 5701.20 52.16 105.54 -53.38 42.09 34.84 8.59 33.36 197 156 PEAK 4 5720.25 52.70 111.37 -58.67 42.52 34.88 8.66 33.36 197 156 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5785.00 110.83 ------ ------ 100.23 35.03 8.91 33.34 197 156 PEAK
Avg	Blank	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5785.00 102.36 ------ ------ 91.76 35.03 8.91 33.34 197 156 AVERAGE

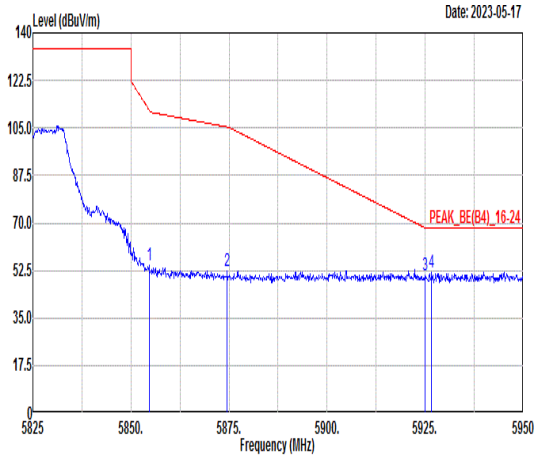
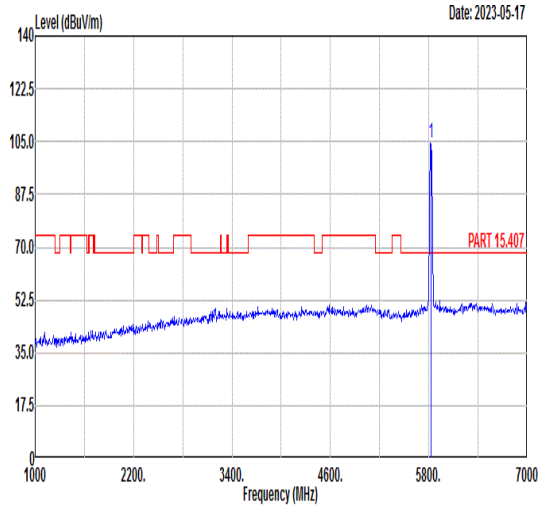
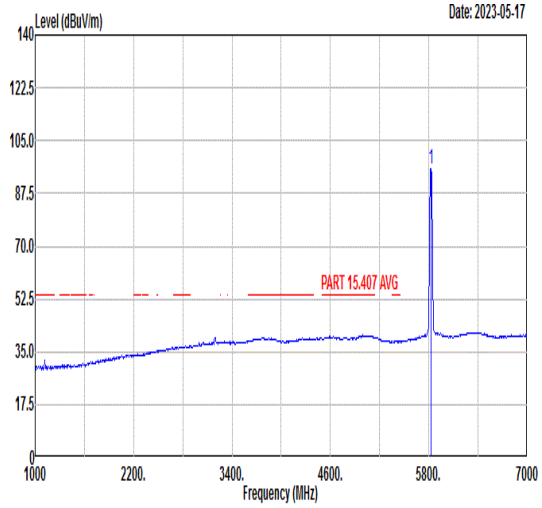
Mode	58	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5854.63 51.78 111.64 -59.86 41.06 35.18 8.87 33.33 197 156 PEAK 2 5874.93 52.36 105.22 -52.86 41.62 35.22 8.85 33.33 197 156 PEAK 3 5924.92 51.39 68.26 -16.87 40.59 35.33 8.79 33.32 197 156 PEAK 4 5932.51 52.41 68.30 -15.89 41.60 35.35 8.78 33.32 197 156 PEAK	Blank

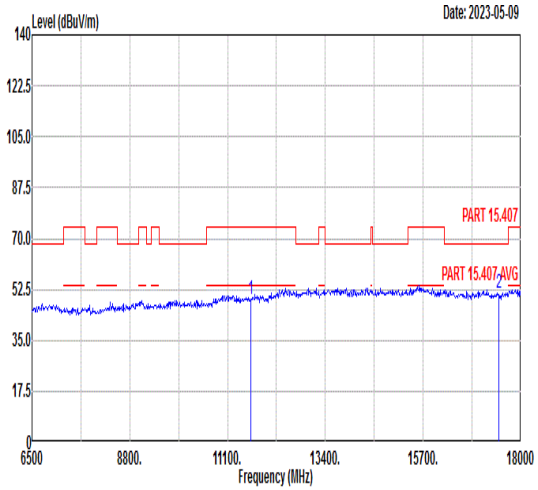
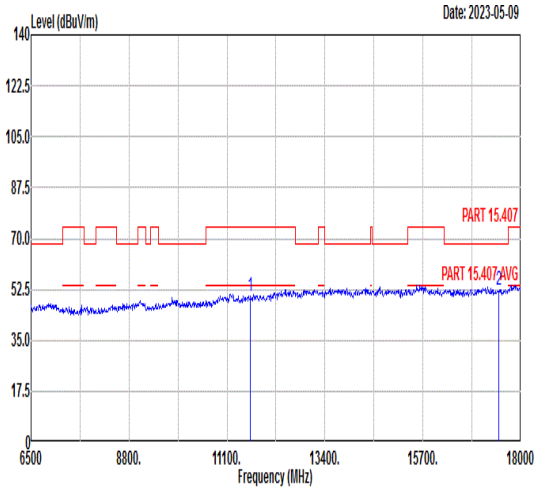
Mode	58	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5644.59 50.71 68.30 -17.59 40.98 34.72 8.38 33.37 367 178 PEAK 2 5651.43 50.58 69.36 -18.78 40.82 34.73 8.40 33.37 367 178 PEAK 3 5701.01 49.65 105.48 -55.83 39.58 34.84 8.59 33.36 367 178 PEAK 4 5720.07 48.94 110.95 -62.01 38.76 34.88 8.66 33.36 367 178 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5785.00 105.46 ------ ------ 94.90 35.02 8.88 33.34 367 178 PEAK
Avg	Blank	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5785.00 96.62 ------ ------ 86.02 35.03 8.91 33.34 367 178 AVERAGE

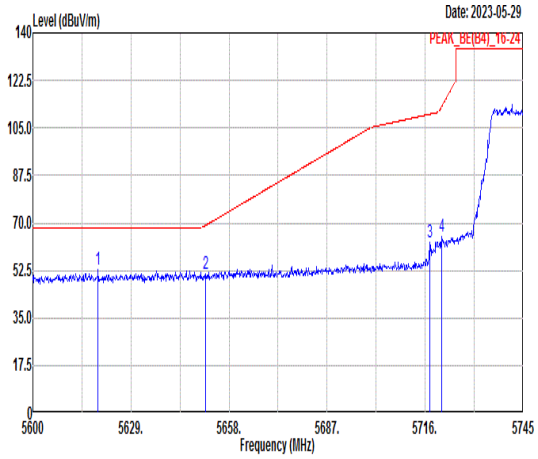
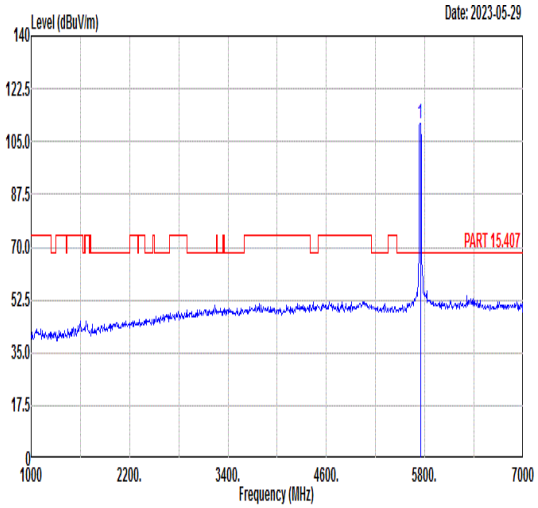
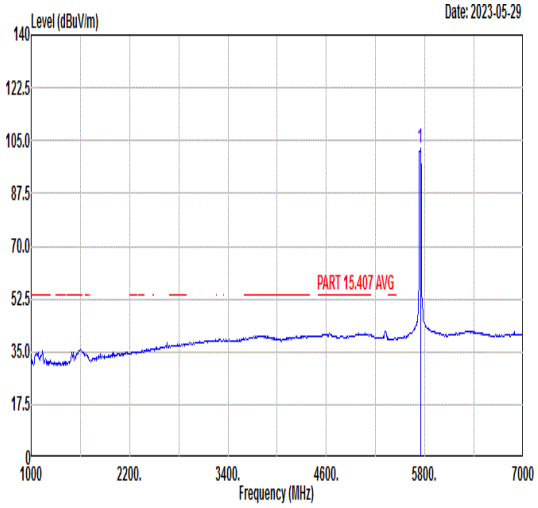
Mode	58	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5853.64 53.07 113.90 -60.83 42.35 35.18 8.87 33.33 367 178 PEAK 2 5873.61 51.94 105.59 -53.65 41.20 35.22 8.85 33.33 367 178 PEAK 3 5924.43 50.38 68.62 -18.24 39.58 35.33 8.79 33.32 367 178 PEAK 4 5945.88 52.00 68.30 -16.30 41.17 35.38 8.76 33.31 367 178 PEAK	Blank

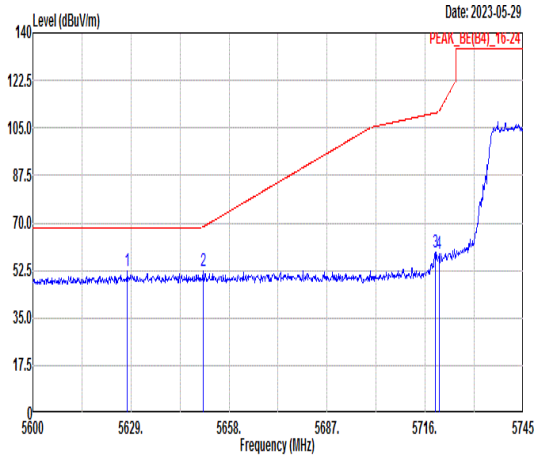
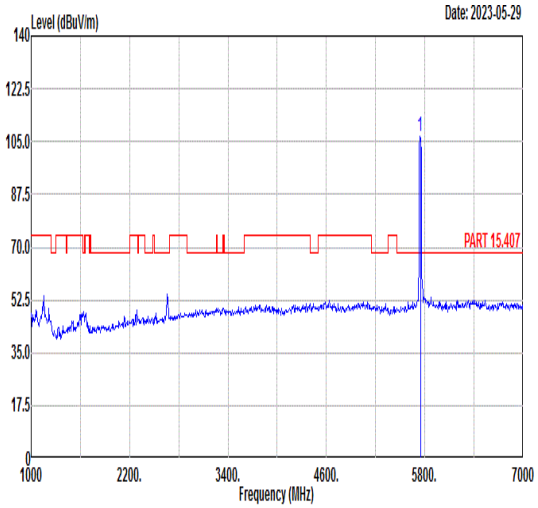
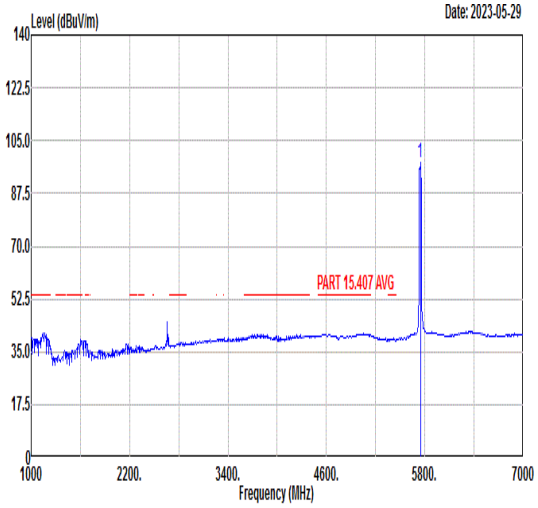
Mode	58	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 11570.00 49.38 74.00 -24.62 54.91 38.68 13.70 57.91 --- --- Peak 2 17355.00 50.47 68.30 -17.83 49.58 41.34 16.50 56.95 --- --- 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 11570.00 50.13 74.00 -23.87 55.66 38.68 13.70 57.91 --- --- Peak 2 17355.00 52.04 68.30 -16.26 51.15 41.34 16.50 56.95 --- --- Peak

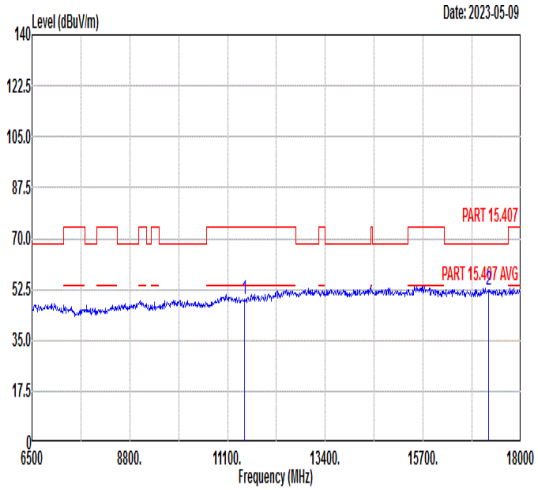
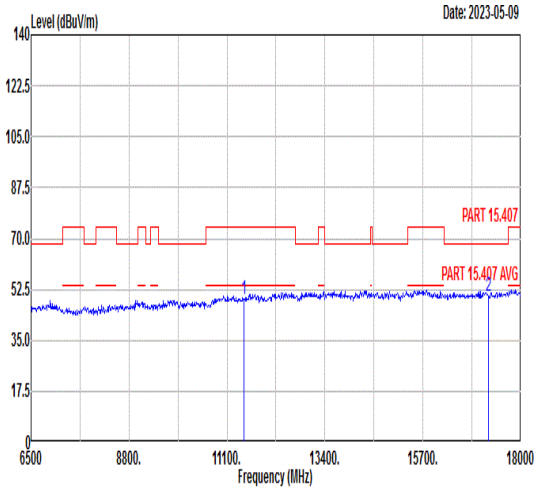
Mode	59	
	Band Edge	
	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5854.63 58.96 111.65 -52.69 48.24 35.18 8.87 33.33 178 152 PEAK 2 5874.13 55.12 105.44 -50.32 44.38 35.22 8.85 33.33 178 152 PEAK 3 5924.88 52.67 68.29 -15.62 41.87 35.33 8.79 33.32 178 152 PEAK 4 5937.88 52.68 68.30 -15.62 41.86 35.36 8.77 33.31 178 152 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5825.00 111.49 ------ ------ 100.81 35.11 8.91 33.34 178 152 PEAK
Avg	Blank	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5825.00 102.91 ------ ------ 92.21 35.13 8.90 33.33 178 152 AVERAGE

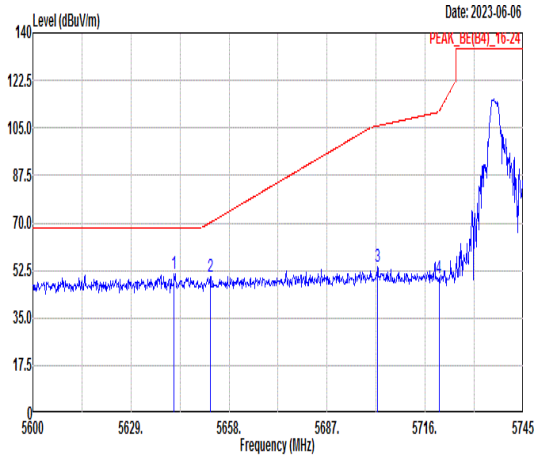
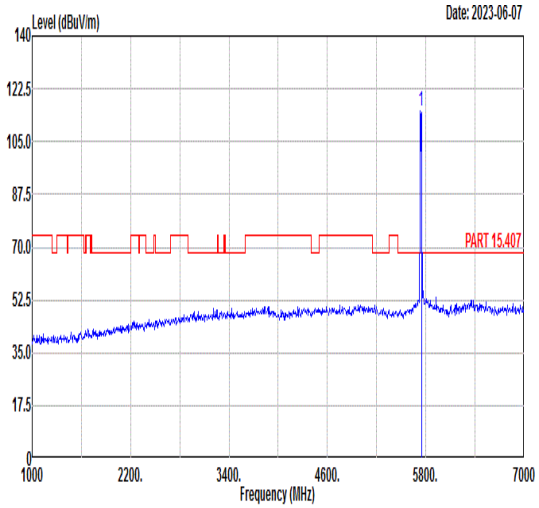
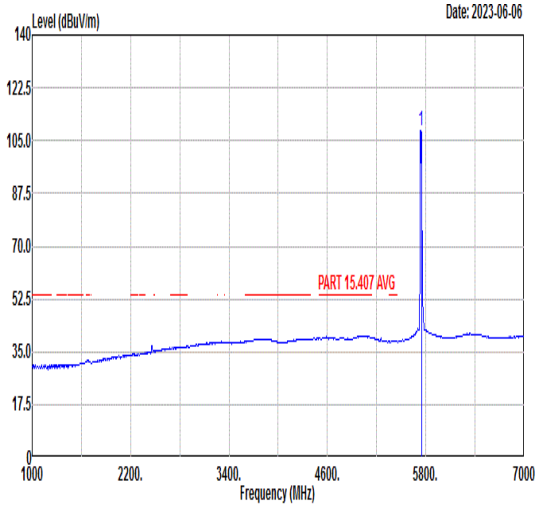
Mode	59	
	Band Edge	
	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5854.63 54.60 111.65 -57.05 43.88 35.18 8.87 33.33 360 186 PEAK 2 5874.50 52.18 105.34 -53.16 41.44 35.22 8.85 33.33 360 186 PEAK 3 5925.00 50.96 68.20 -17.24 40.16 35.33 8.79 33.32 360 186 PEAK 4 5926.63 51.89 68.30 -16.41 41.08 35.34 8.79 33.32 360 186 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5825.00 104.44 ------ ------ 93.76 35.10 8.92 33.34 360 186 PEAK
Avg	Blank	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5825.00 95.51 ------ ------ 84.83 35.11 8.91 33.34 360 186 AVERAGE

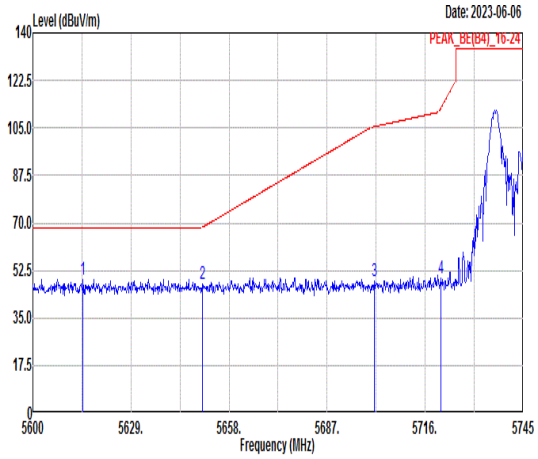
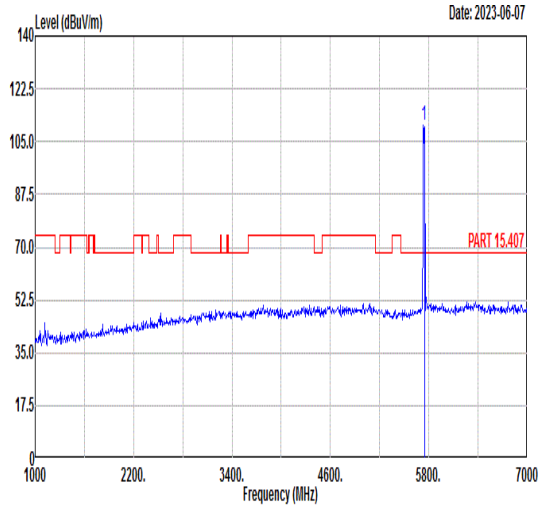
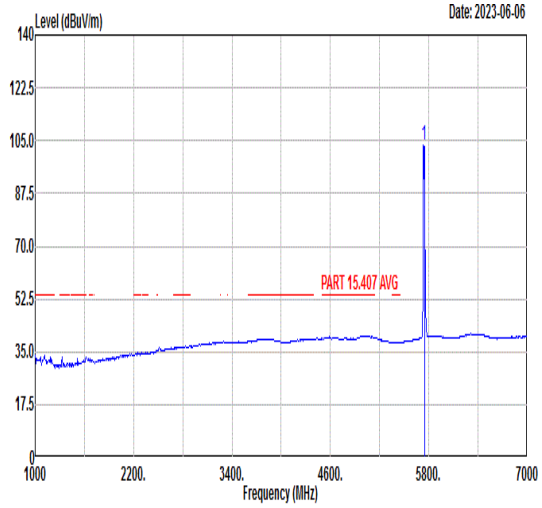
Mode	59	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 11650.00 49.14 74.00 -24.86 54.60 38.78 13.69 57.93 --- --- Peak 2 17475.00 51.14 68.30 -17.16 50.35 41.39 16.47 57.07 --- --- 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 11650.00 50.38 74.00 -23.62 55.84 38.78 13.69 57.93 --- --- Peak 2 17475.00 52.36 68.30 -15.94 51.57 41.39 16.47 57.07 --- --- Peak

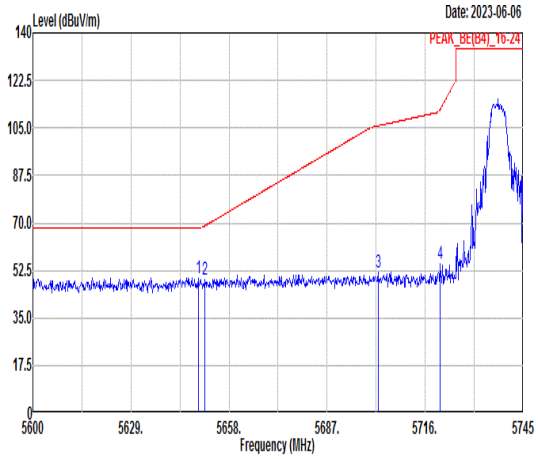
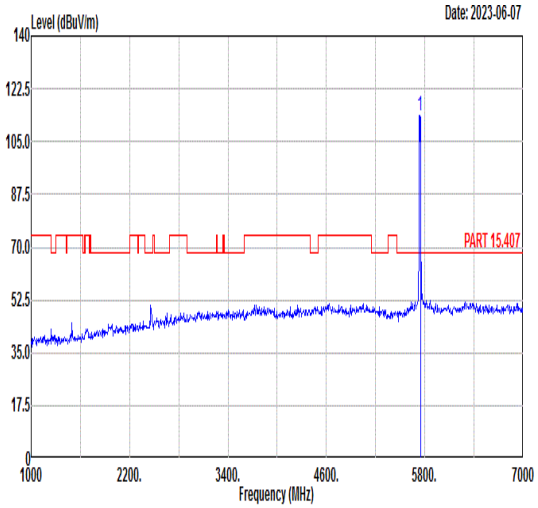
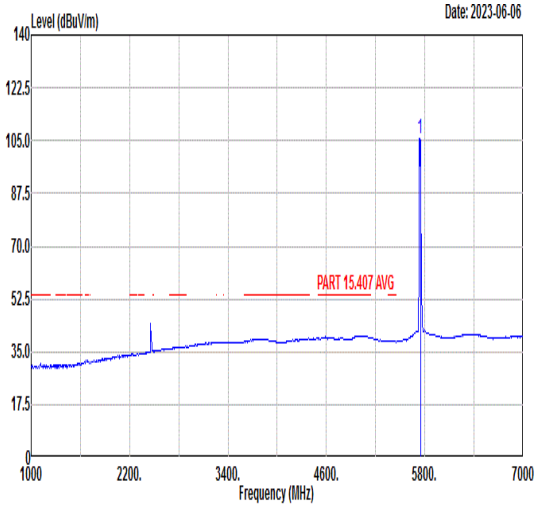
Mode	60	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH149_Full RU_5745MHz	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5619.29 52.96 68.30 -15.34 43.40 34.66 8.28 33.38 200 169 PEAK 2 5651.04 51.17 69.07 -17.90 41.41 34.73 8.40 33.37 200 169 PEAK 3 5717.45 62.91 110.09 -47.18 52.74 34.88 8.65 33.36 200 169 PEAK 4 5720.79 65.20 112.59 -47.39 55.01 34.89 8.66 33.36 200 169 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 5745.00 111.14 ------ ------ 100.83 34.93 8.73 33.35 200 169 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 5745.00 102.25 ------ ------ 91.88 34.95 8.77 33.35 200 169 AVERAGE

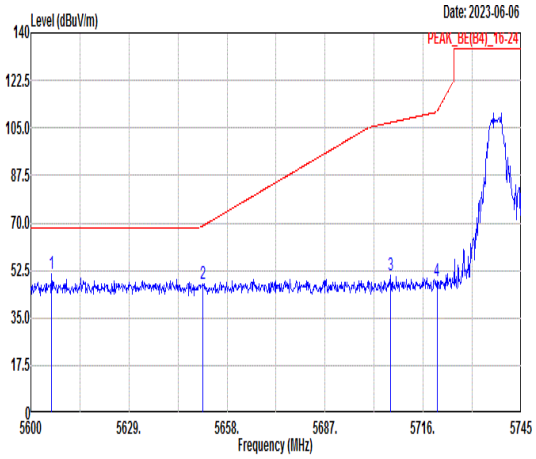
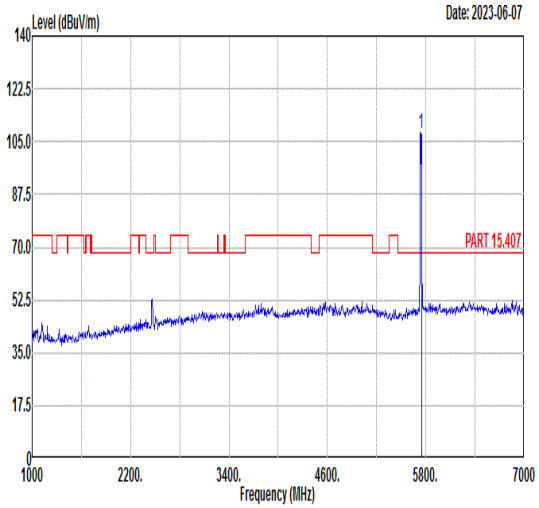
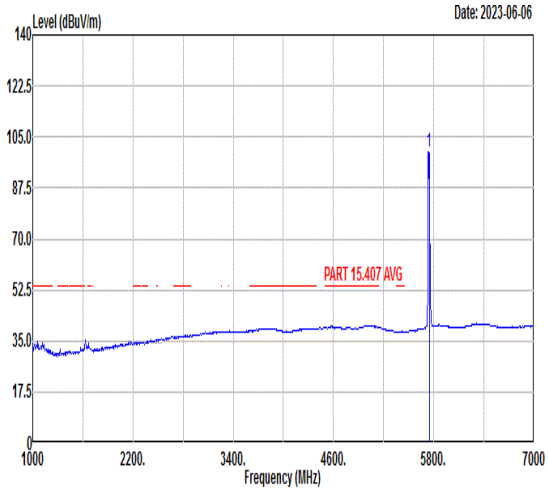
Mode	60	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH149_Full RU_5745MHz	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5627.99 52.16 68.30 -16.14 42.53 34.68 8.32 33.37 400 198 PEAK 2 5650.32 52.13 68.53 -16.40 42.37 34.73 8.40 33.37 400 198 PEAK 3 5718.90 59.24 110.49 -51.25 49.07 34.88 8.65 33.36 400 198 PEAK 4 5720.06 58.39 110.94 -52.55 48.21 34.88 8.66 33.36 400 198 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 5745.00 106.59 ------ ------ 96.28 34.93 8.73 33.35 400 198 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 5745.00 97.85 ------ ------ 87.48 34.95 8.77 33.35 400 198 AVERAGE

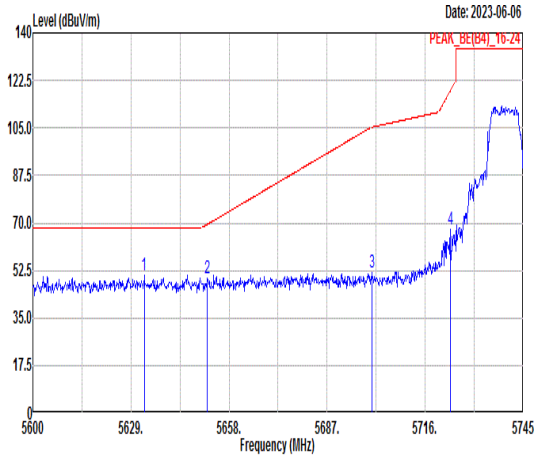
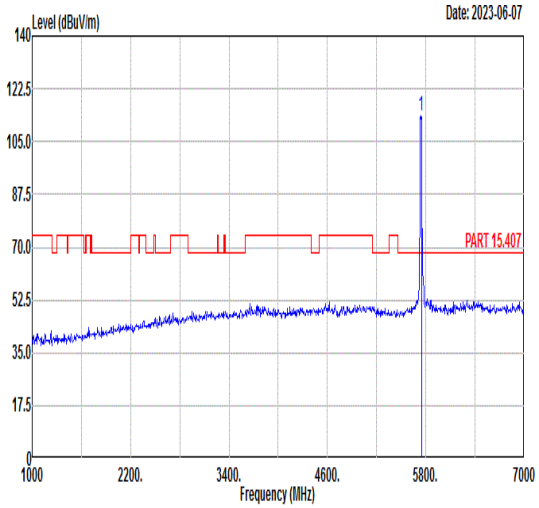
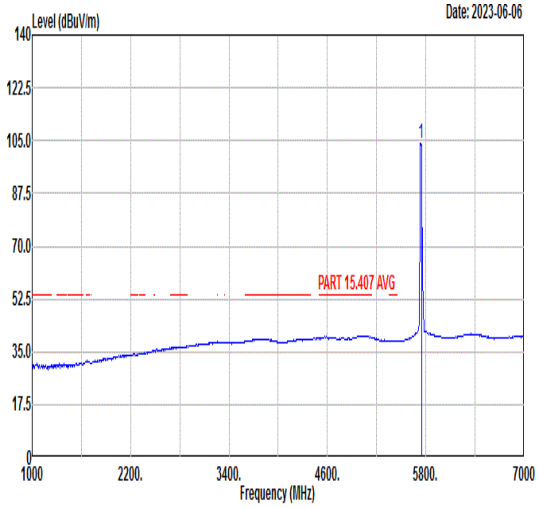
Mode	60	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE20_CH149_Full RU_5745MHz	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 11490.00 49.29 74.00 -24.71 54.91 38.58 13.71 57.91 --- --- Peak 2 17235.00 52.08 68.30 -16.22 51.09 41.29 16.53 56.83 --- --- 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 11490.00 49.24 74.00 -24.76 54.86 38.58 13.71 57.91 --- --- Peak 2 17235.00 50.29 68.30 -18.01 49.30 41.29 16.53 56.83 --- --- Peak

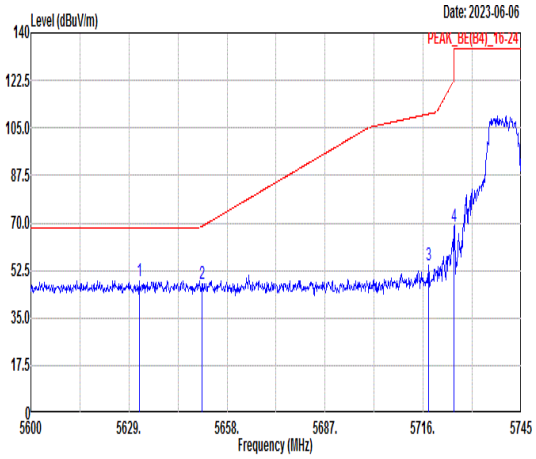
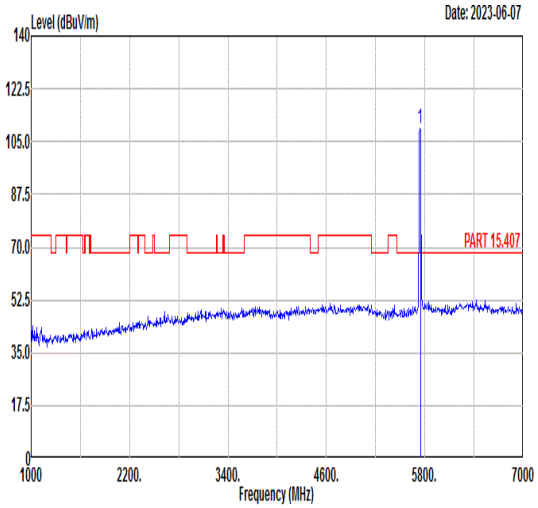
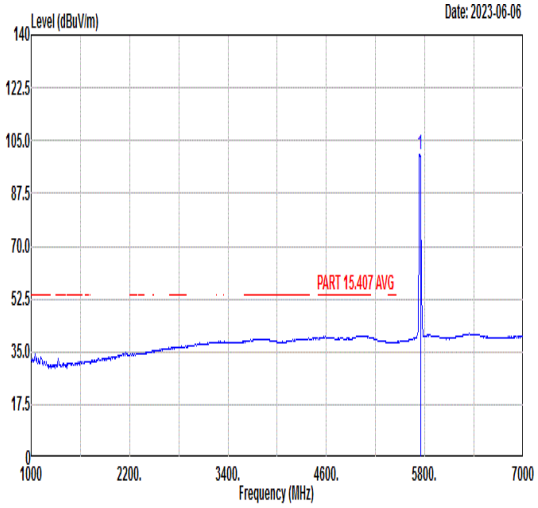
Mode	61	
	Band Edge	
	U-NII-3_5.47-5.725_802.11ax HE20_CH149_ RU26/0_5745MHz	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5641.76 51.41 68.30 -16.89 41.70 34.71 8.37 33.37 255 166 PEAK 2 5652.49 50.32 70.15 -19.83 40.54 34.74 8.41 33.37 255 166 PEAK 3 5701.94 53.71 105.74 -52.03 43.64 34.84 8.59 33.36 255 166 PEAK 4 5720.06 49.84 110.94 -61.10 39.66 34.88 8.66 33.36 255 166 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 5745.00 115.19 ------ ------ 104.92 34.91 8.71 33.35 255 166 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 5745.00 108.47 ------ ------ 98.20 34.91 8.71 33.35 255 166 AVERAGE

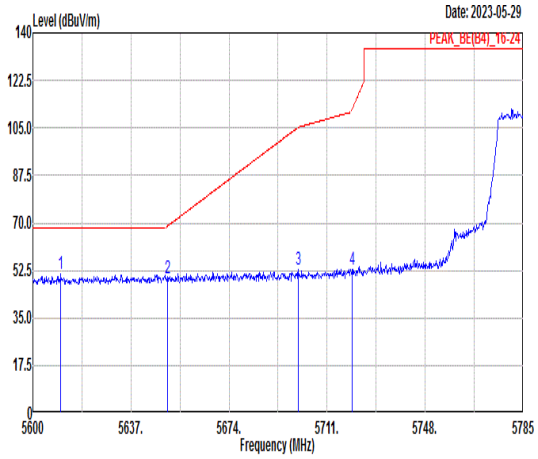
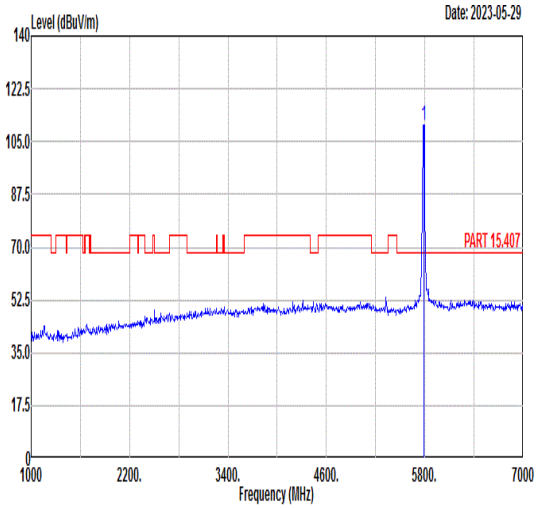
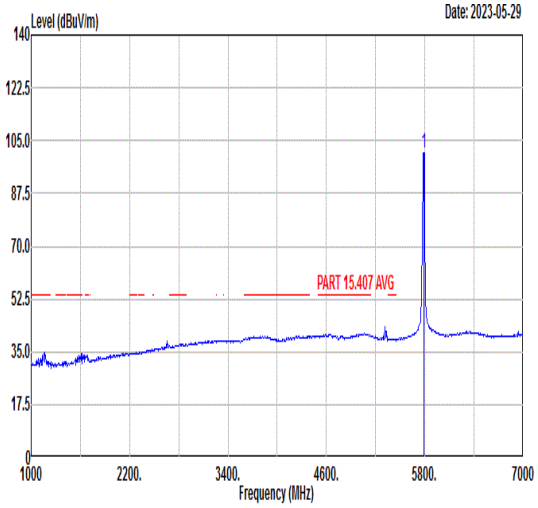
Mode	61	
	Band Edge	
	U-NII-3_5.47-5.725_802.11ax HE20_CH149_ RU26/0_5745MHz	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5614.79 49.31 68.30 -18.99 39.77 34.65 8.27 33.38 400 183 PEAK 2 5650.03 47.45 68.32 -20.87 37.69 34.73 8.40 33.37 400 183 PEAK 3 5700.92 48.59 105.46 -56.87 38.52 34.84 8.59 33.36 400 183 PEAK 4 5720.64 49.40 112.26 -62.86 39.21 34.89 8.66 33.36 400 183 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 5745.00 110.28 ------ ------ 100.01 34.91 8.71 33.35 400 183 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 5745.00 103.54 ------ ------ 93.27 34.91 8.71 33.35 400 183 AVERAGE

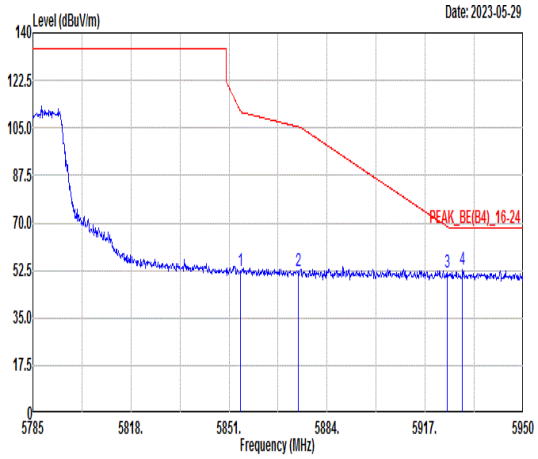
Mode	62	
	Band Edge	
	U-NII-3_5.47-5.725_802.11ax HE20_CH149_RU52/37_5745MHz	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5648.87 49.89 68.30 -18.41 40.14 34.73 8.39 33.37 265 167 PEAK 2 5650.90 49.23 68.96 -19.73 39.47 34.73 8.40 33.37 265 167 PEAK 3 5702.08 51.53 105.78 -54.25 41.46 34.84 8.59 33.36 265 167 PEAK 4 5720.50 55.00 111.93 -56.93 44.81 34.89 8.66 33.36 265 167 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 5745.00 113.56 ------ ------ 103.25 34.93 8.73 33.35 265 167 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 5745.00 105.74 ------ ------ 95.43 34.93 8.73 33.35 265 167 AVERAGE

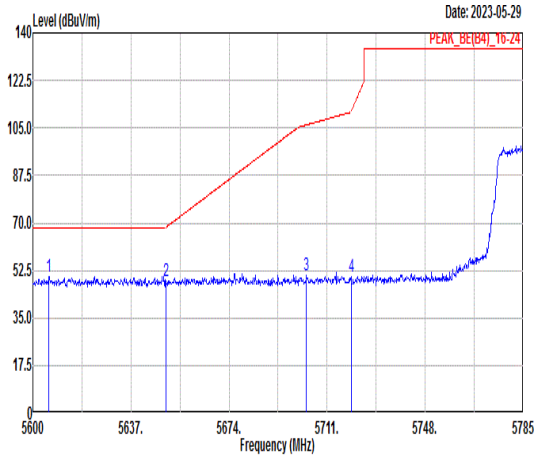
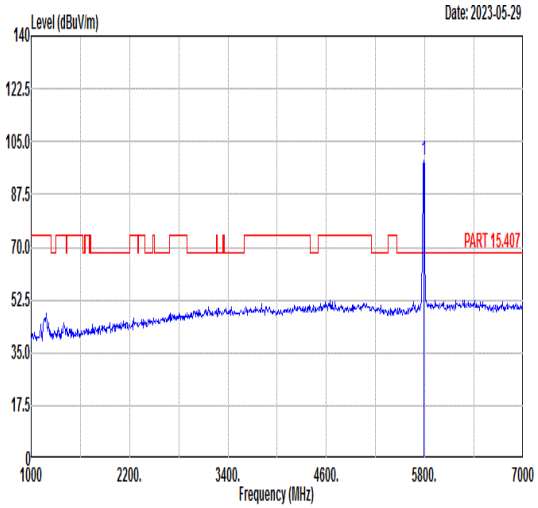
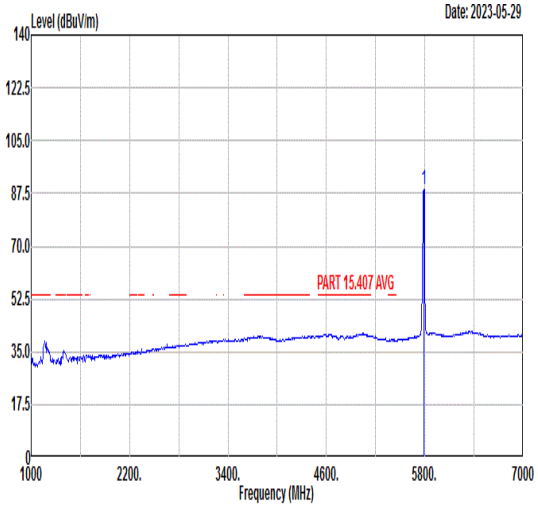
Mode	62	
	Band Edge	
	U-NII-3_5.47-5.725_802.11ax HE20_CH149_RU52/37_5745MHz	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5606.09 51.05 68.30 -17.25 41.56 34.63 8.24 33.38 400 185 PEAK 2 5650.75 47.68 68.86 -21.18 37.92 34.73 8.40 33.37 400 185 PEAK 3 5706.43 50.96 107.00 -56.04 40.86 34.85 8.61 33.36 400 185 PEAK 4 5720.06 48.37 110.94 -62.57 38.19 34.88 8.66 33.36 400 185 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5745.00 107.88 ------ ------ 97.57 34.93 8.73 33.35 400 185 PEAK
Avg	Blank	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5745.00 99.95 ------ ------ 89.64 34.93 8.73 33.35 400 185 AVERAGE

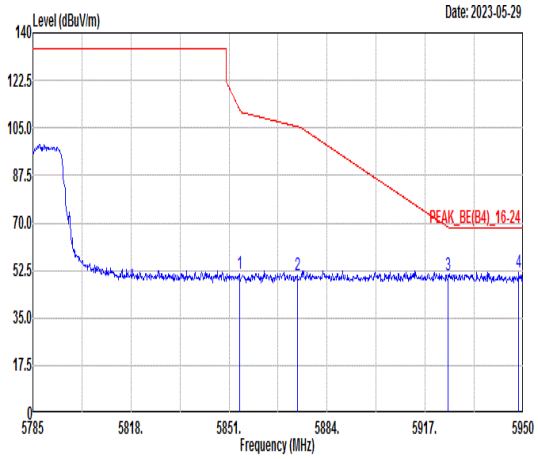
Mode	63	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH149_RU106/53_5745MHz	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5632.92 50.71 68.30 -17.59 41.06 34.69 8.33 33.37 259 170 PEAK 2 5651.62 49.44 69.50 -20.06 39.68 34.73 8.40 33.37 259 170 PEAK 3 5700.34 51.58 105.30 -53.72 41.52 34.84 8.58 33.36 259 170 PEAK 4 5723.40 67.54 118.54 -51.00 57.34 34.89 8.67 33.36 259 170 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5745.00 113.78 ------ ------ 103.47 34.93 8.73 33.35 259 170 PEAK
Avg	Blank	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5745.00 104.20 ------ ------ 93.93 34.91 8.71 33.35 259 170 AVERAGE

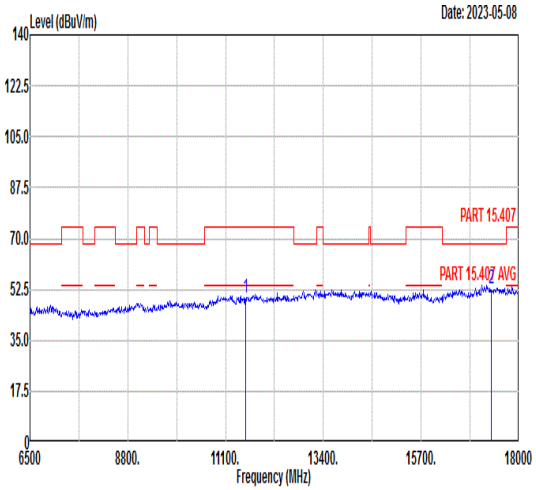
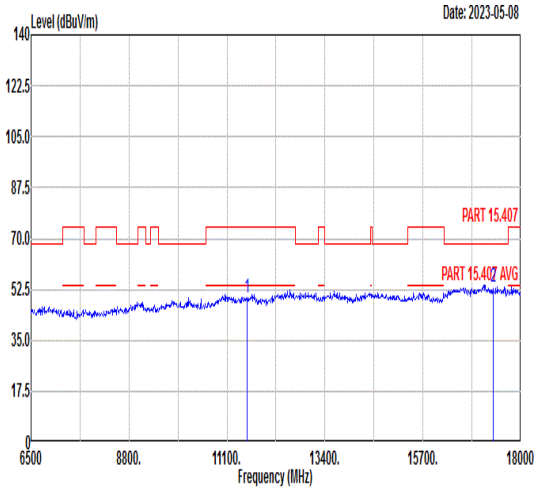
Mode	63	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH149_RU106/53_5745MHz	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5632.19 48.84 68.30 -19.46 39.19 34.69 8.33 33.37 400 191 PEAK 2 5650.61 47.30 68.75 -21.45 37.54 34.73 8.40 33.37 400 191 PEAK 3 5717.60 54.30 110.13 -55.83 44.13 34.88 8.65 33.36 400 191 PEAK 4 5724.99 68.93 122.18 -53.25 58.73 34.89 8.67 33.36 400 191 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 5745.00 109.18 ------ ------ 98.87 34.93 8.73 33.35 400 191 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 5745.00 100.18 ------ ------ 89.87 34.93 8.73 33.35 400 191 AVERAGE

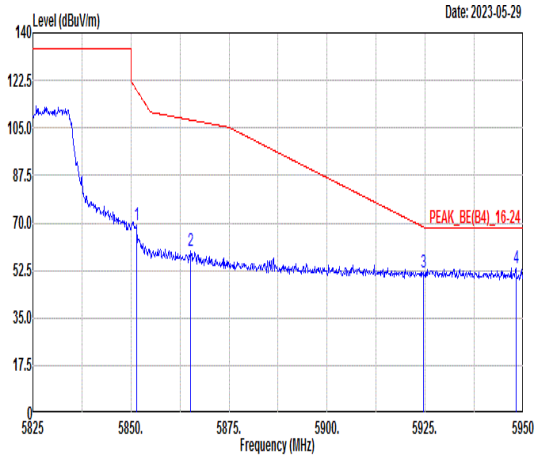
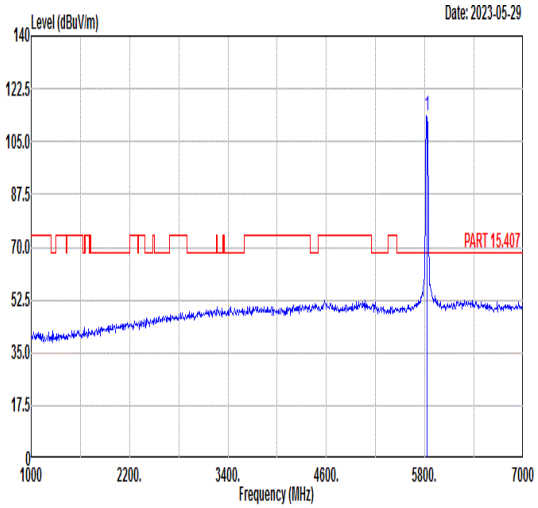
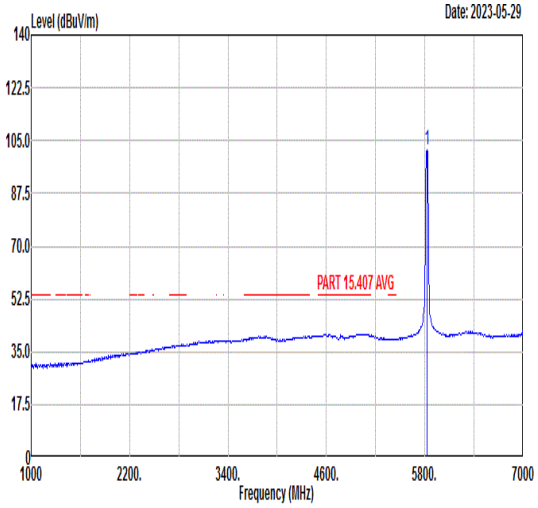
Mode	64	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full RU_5785MHz	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5610.55 51.43 68.30 -16.87 41.92 34.64 8.25 33.38 146 167 PEAK 2 5650.69 49.88 68.81 -18.93 40.12 34.73 8.40 33.37 146 167 PEAK 3 5700.27 52.87 105.28 -52.41 42.81 34.84 8.58 33.36 146 167 PEAK 4 5720.44 52.95 111.79 -58.84 42.77 34.88 8.66 33.36 146 167 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 5785.00 110.63 ------ ------ 100.11 35.01 8.86 33.35 146 167 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 5785.00 101.12 ------ ------ 90.52 35.03 8.91 33.34 146 167 AVERAGE

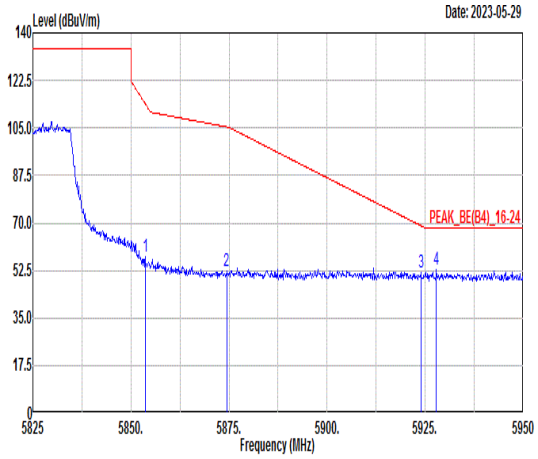
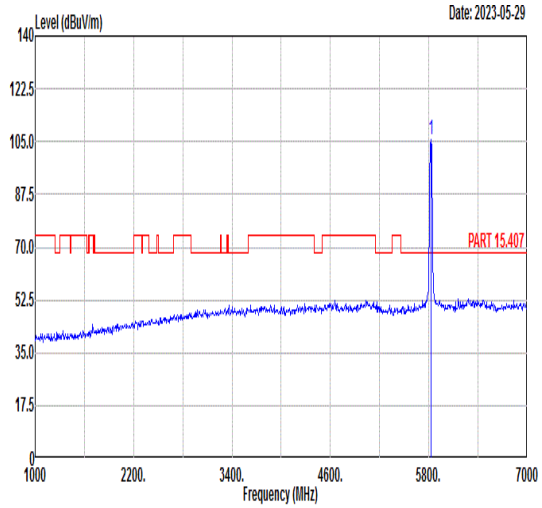
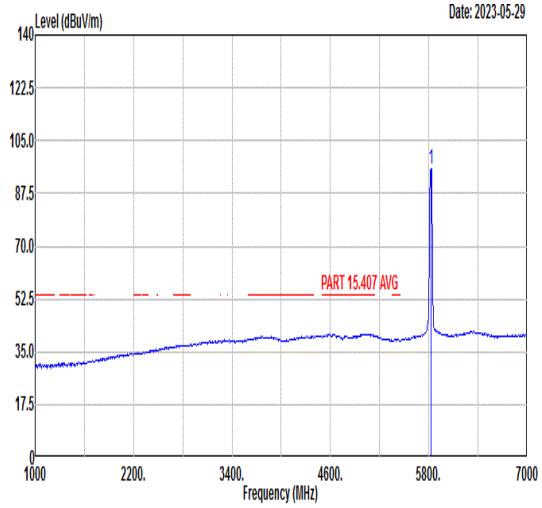
Mode	64	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full RU_5785MHz	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5854.80 52.35 111.27 -58.92 41.63 35.18 8.87 33.33 146 167 PEAK 2 5874.27 52.38 105.41 -53.03 41.64 35.22 8.85 33.33 146 167 PEAK 3 5924.43 51.93 68.62 -16.69 41.13 35.33 8.79 33.32 146 167 PEAK 4 5929.54 52.96 68.30 -15.34 42.16 35.34 8.78 33.32 146 167 PEAK	Blank

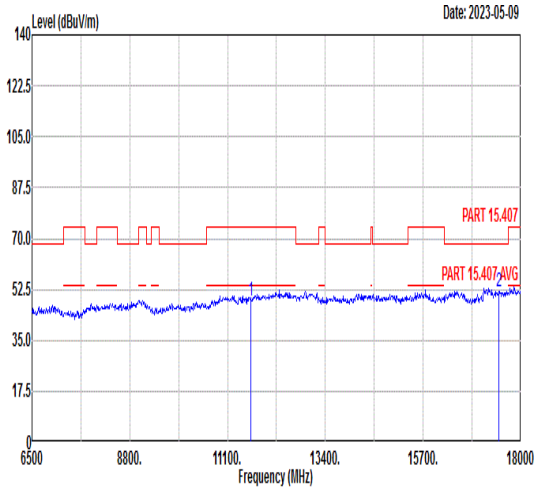
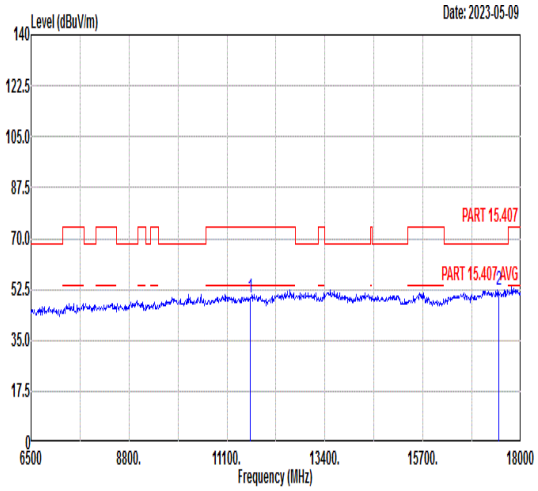
Mode	64	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full RU_5785MHz	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5606.11 50.41 68.30 -17.89 40.92 34.63 8.24 33.38 200 336 PEAK 2 5650.14 48.47 68.40 -19.93 38.71 34.73 8.40 33.37 200 336 PEAK 3 5703.23 50.60 106.11 -55.51 40.52 34.85 8.59 33.36 200 336 PEAK 4 5720.07 49.95 110.95 -61.00 39.77 34.88 8.66 33.36 200 336 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5785.00 98.54 ------ ------ 87.94 35.03 8.91 33.34 200 336 PEAK
Avg	Blank	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5785.00 88.64 ------ ------ 78.04 35.03 8.91 33.34 200 336 AVERAGE

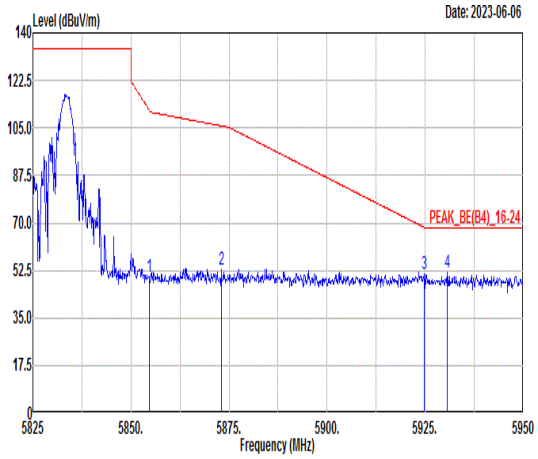
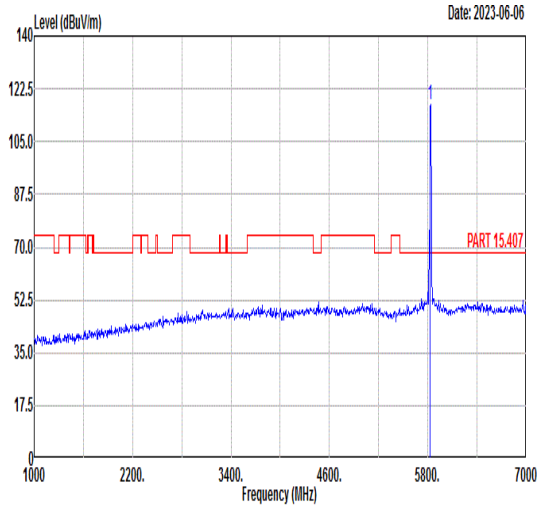
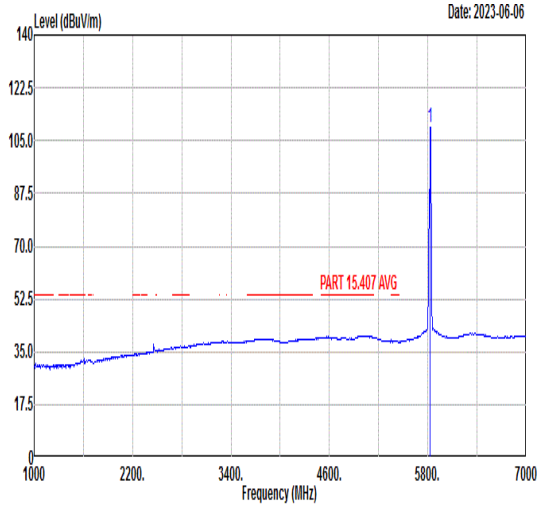
Mode	64	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full RU_5785MHz	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5854.47 51.33 112.02 -60.69 40.61 35.18 8.87 33.33 200 336 PEAK 2 5873.94 50.56 105.50 -54.94 39.82 35.22 8.85 33.33 200 336 PEAK 3 5924.76 50.52 68.38 -17.86 39.72 35.33 8.79 33.32 200 336 PEAK 4 5948.52 51.78 68.30 -16.52 40.94 35.39 8.76 33.31 200 336 PEAK	Blank

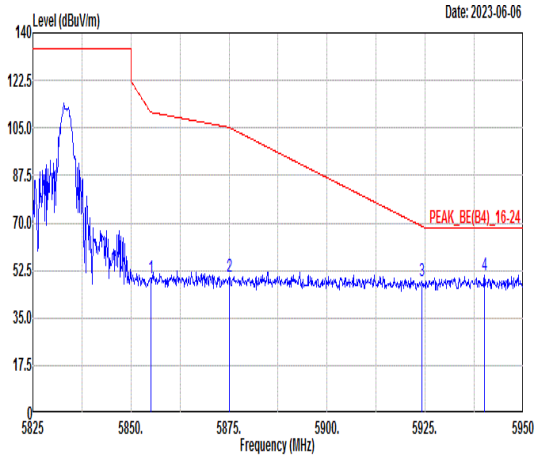
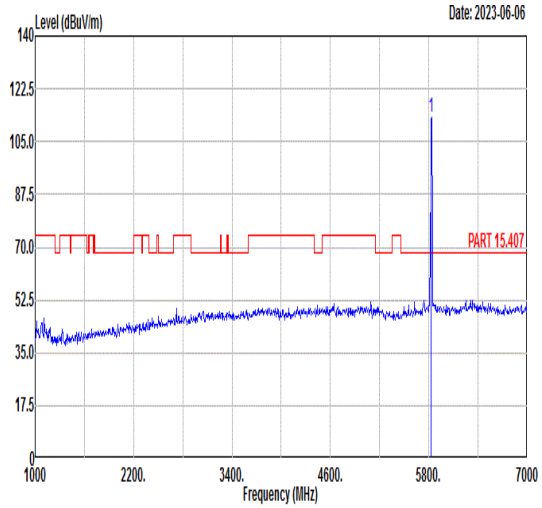
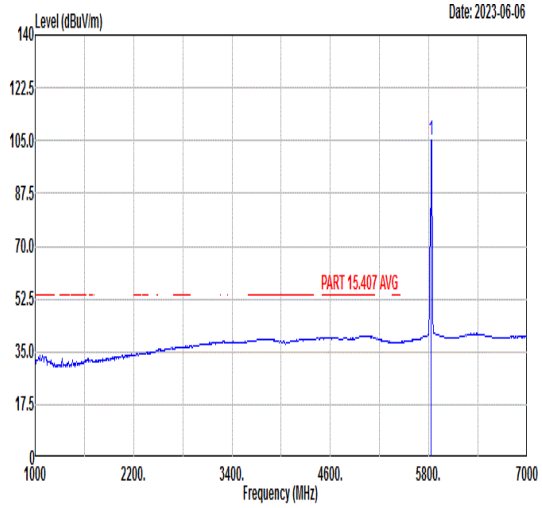
Mode	64	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full RU_5785MHz	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 11570.00 49.59 74.00 -24.41 55.12 38.68 13.70 57.91 --- --- Peak 2 17355.00 52.67 68.30 -15.63 51.78 41.34 16.50 56.95 --- --- 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 11570.00 49.46 74.00 -24.54 54.99 38.68 13.70 57.91 --- --- Peak 2 17355.00 53.33 68.30 -14.97 52.44 41.34 16.50 56.95 --- --- Peak

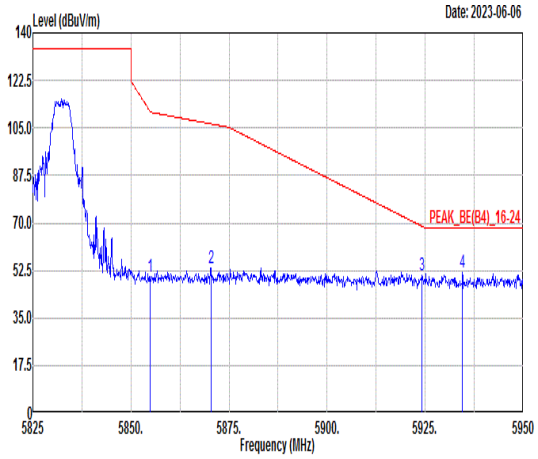
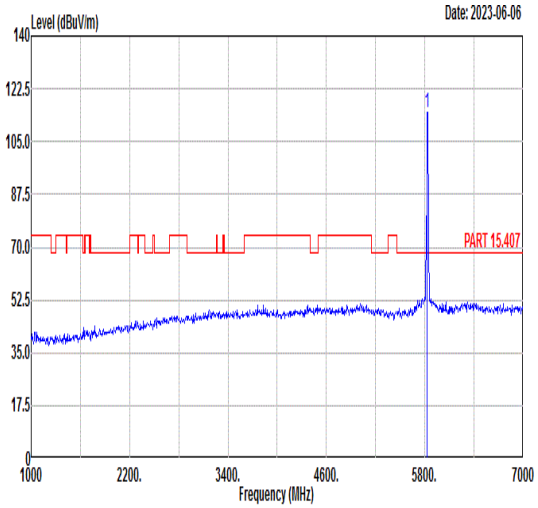
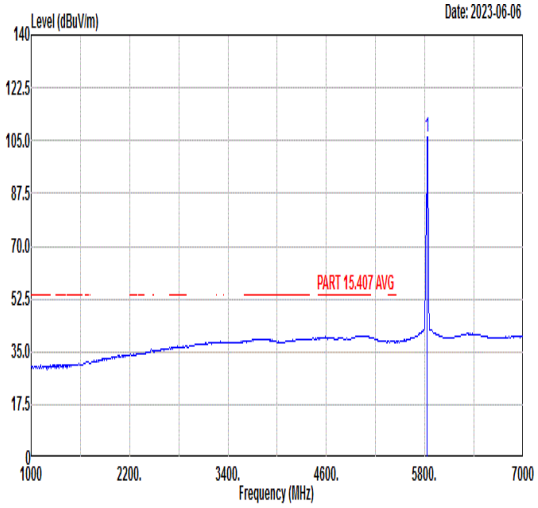
Mode	65	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH165_Full RU_5825MHz	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5851.50 69.25 118.78 -49.53 58.53 35.17 8.88 33.33 158 162 PEAK 2 5865.25 59.59 107.93 -48.34 48.86 35.20 8.86 33.33 158 162 PEAK 3 5924.63 51.59 68.48 -16.89 40.79 35.33 8.79 33.32 158 162 PEAK 4 5948.13 53.49 68.30 -14.81 42.65 35.39 8.76 33.31 158 162 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 5825.00 113.37 ------ ------ 102.69 35.10 8.92 33.34 158 162 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 5825.00 101.74 ------ ------ 91.04 35.13 8.90 33.33 158 162 AVERAGE

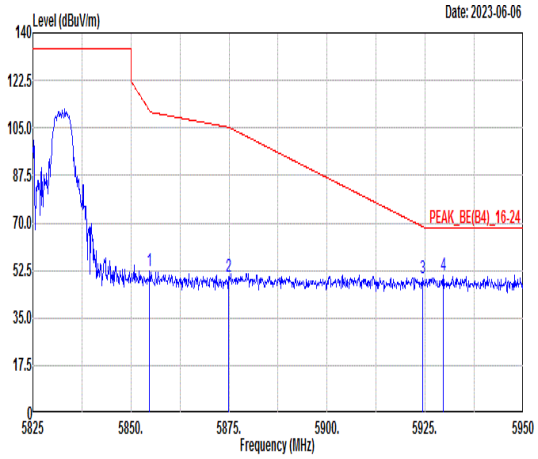
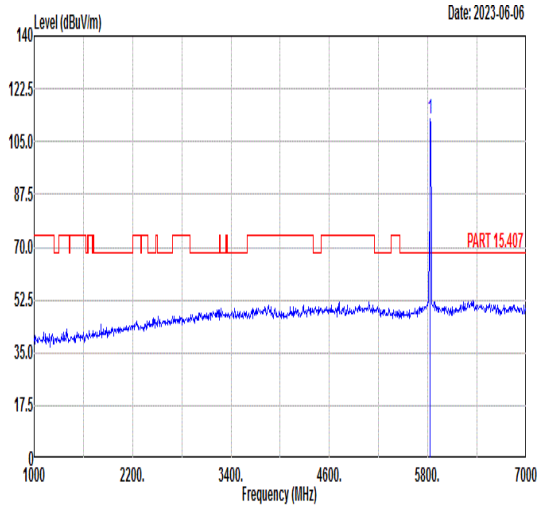
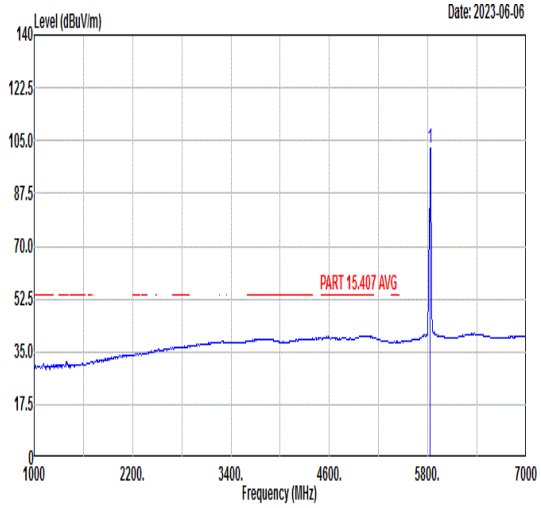
Mode	65	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH165_Full RU_5825MHz	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5853.63 57.61 113.93 -56.32 46.89 35.18 8.87 33.33 397 201 PEAK 2 5874.38 52.19 105.37 -53.18 41.45 35.22 8.85 33.33 397 201 PEAK 3 5923.88 51.74 69.03 -17.29 40.94 35.33 8.79 33.32 397 201 PEAK 4 5927.88 52.64 68.30 -15.66 41.83 35.34 8.79 33.32 397 201 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5825.00 105.74 ------ ------ 95.06 35.11 8.91 33.34 397 201 PEAK
Avg	Blank	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5825.00 95.60 ------ ------ 84.90 35.13 8.90 33.33 397 201 AVERAGE

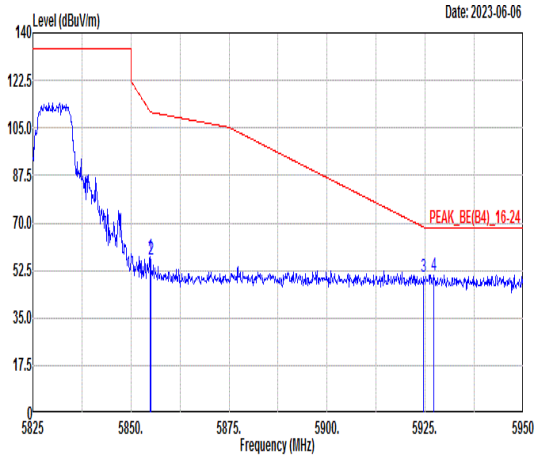
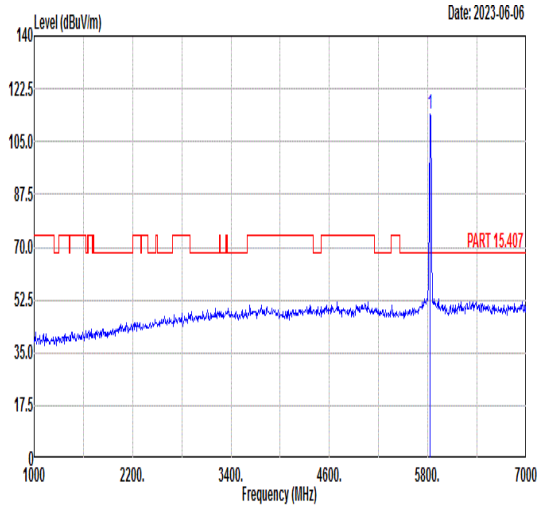
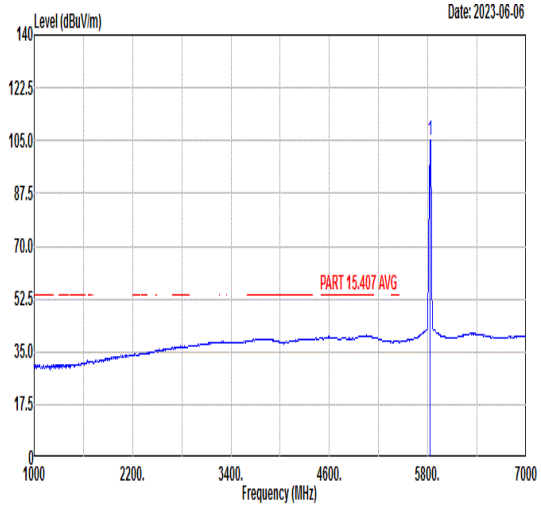
Mode	65	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE20_CH165_Full RU_5825MHz	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 11650.00 48.86 74.00 -25.14 54.32 38.78 13.69 57.93 --- --- Peak 2 17475.00 51.84 68.30 -16.46 51.05 41.39 16.47 57.07 --- --- 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 11650.00 49.56 74.00 -24.44 55.02 38.78 13.69 57.93 --- --- Peak 2 17475.00 52.37 68.30 -15.93 51.58 41.39 16.47 57.07 --- --- Peak

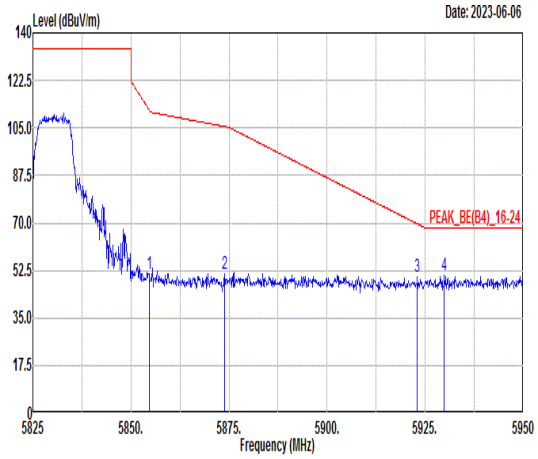
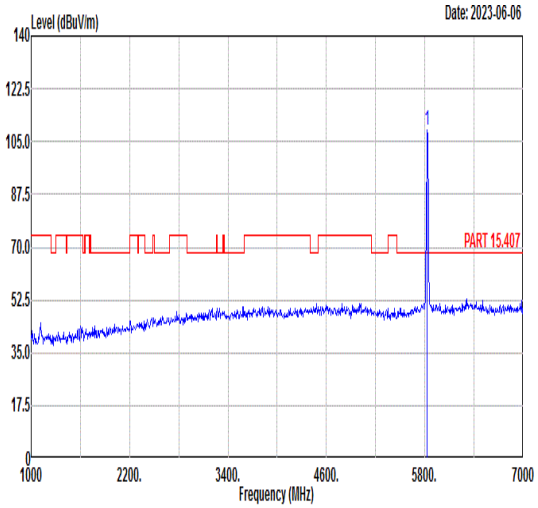
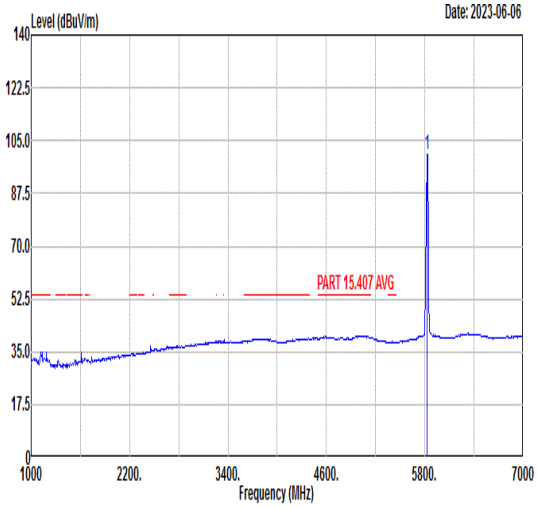
Mode	66	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH165_RU26/8_5825MHz	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5854.63 50.33 111.65 -61.32 39.61 35.18 8.87 33.33 175 166 PEAK 2 5873.00 52.59 105.76 -53.17 41.85 35.22 8.85 33.33 175 166 PEAK 3 5924.75 51.30 68.38 -17.08 40.50 35.33 8.79 33.32 175 166 PEAK 4 5930.63 51.59 68.30 -16.71 40.78 35.35 8.78 33.32 175 166 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 5825.00 117.34 ------ ------ 106.64 35.14 8.89 33.33 175 166 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 5825.00 109.62 ------ ------ 98.92 35.14 8.89 33.33 175 166 AVERAGE

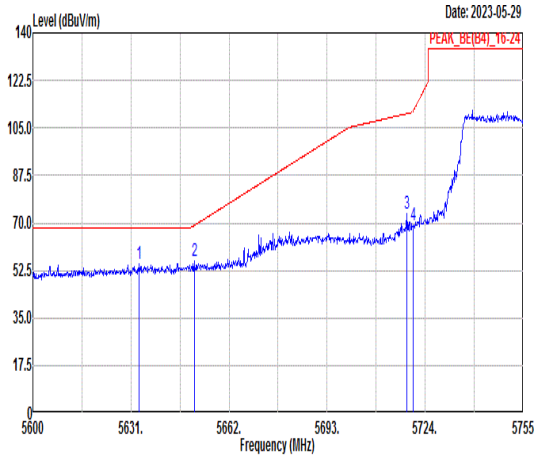
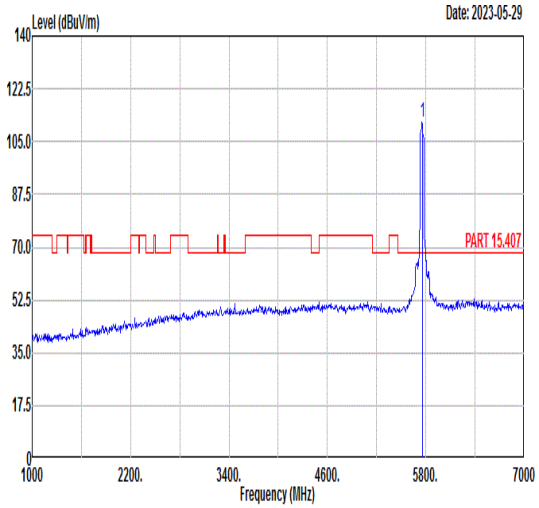
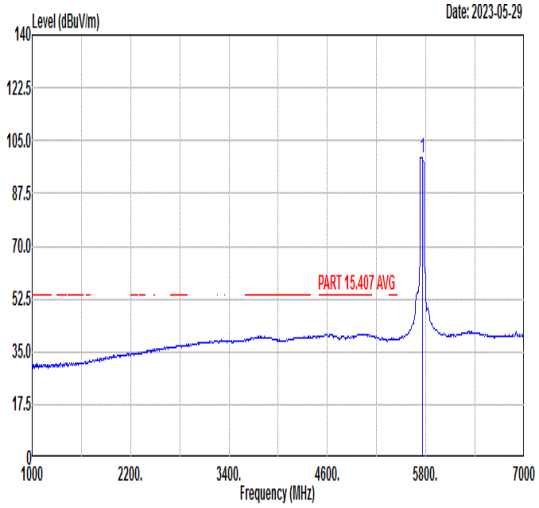
Mode	66	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH165_RU26/8_5825MHz	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5855.00 49.72 110.80 -61.08 39.00 35.18 8.87 33.33 400 192 PEAK 2 5875.00 50.10 105.20 -55.10 39.36 35.22 8.85 33.33 400 192 PEAK 3 5924.25 48.71 68.75 -20.04 37.91 35.33 8.79 33.32 400 192 PEAK 4 5940.13 50.84 68.30 -17.46 40.01 35.37 8.77 33.31 400 192 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 5825.00 113.02 ------ ------ 102.32 35.14 8.89 33.33 400 192 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 5825.00 105.29 ------ ------ 94.59 35.14 8.89 33.33 400 192 AVERAGE

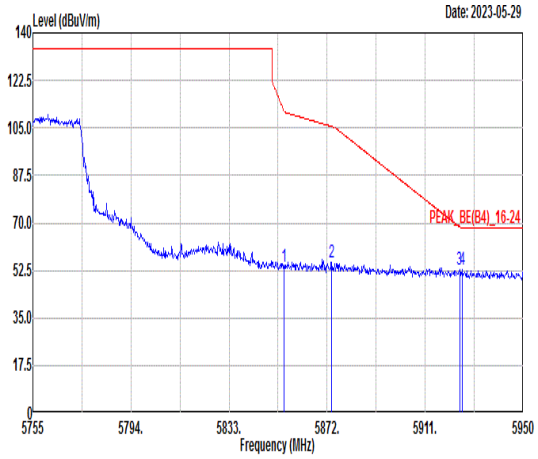
Mode	67	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH165_RU52/40_5825MHz	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5854.88 50.27 111.08 -60.81 39.55 35.18 8.87 33.33 176 166 PEAK 2 5870.38 53.51 106.49 -52.98 42.78 35.21 8.85 33.33 176 166 PEAK 3 5924.25 50.82 68.75 -17.93 40.02 35.33 8.79 33.32 176 166 PEAK 4 5934.50 51.53 68.30 -16.77 40.70 35.36 8.78 33.31 176 166 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 5825.00 114.73 ------ ------ 104.03 35.13 8.90 33.33 176 166 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 5825.00 106.43 ------ ------ 95.73 35.13 8.90 33.33 176 166 AVERAGE

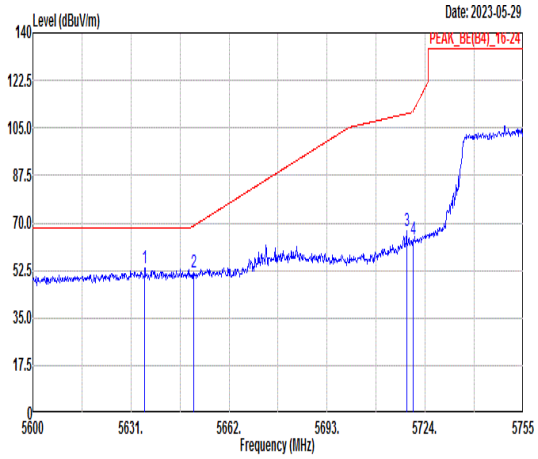
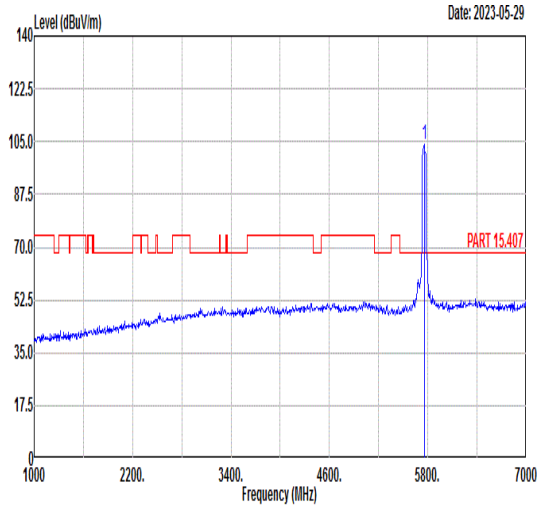
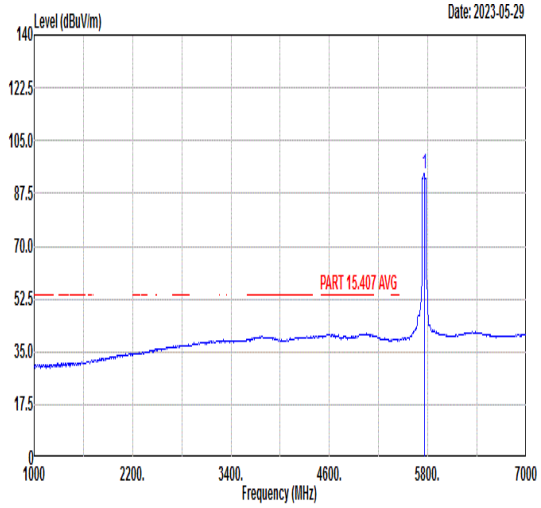
Mode	67	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH165_RU52/40_5825MHz	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5854.75 52.38 111.37 -58.99 41.66 35.18 8.87 33.33 400 200 PEAK 2 5874.88 50.36 105.23 -54.87 39.62 35.22 8.85 33.33 400 200 PEAK 3 5924.38 49.75 68.66 -18.91 38.95 35.33 8.79 33.32 400 200 PEAK 4 5929.63 50.49 68.30 -17.81 39.68 35.35 8.78 33.32 400 200 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 5825.00 112.28 ------ ------ 101.58 35.13 8.90 33.33 400 200 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 5825.00 102.73 ------ ------ 92.03 35.13 8.90 33.33 400 200 AVERAGE

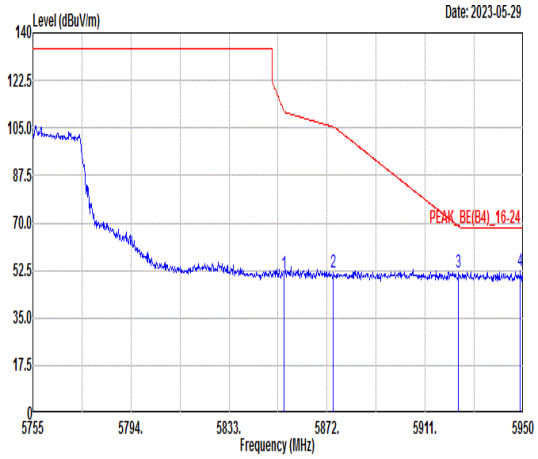
Mode	68	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH165_RU106/54_5825MHz	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5854.88 57.59 111.08 -53.49 46.87 35.18 8.87 33.33 175 163 PEAK 2 5855.00 56.28 110.80 -54.52 45.56 35.18 8.87 33.33 175 163 PEAK 3 5924.63 50.36 68.48 -18.12 39.56 35.33 8.79 33.32 175 163 PEAK 4 5927.13 50.76 68.30 -17.54 39.95 35.34 8.79 33.32 175 163 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 5825.00 114.09 ------ ------ 103.39 35.13 8.90 33.33 175 163 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 5825.00 104.89 ------ ------ 94.19 35.14 8.89 33.33 175 163 AVERAGE

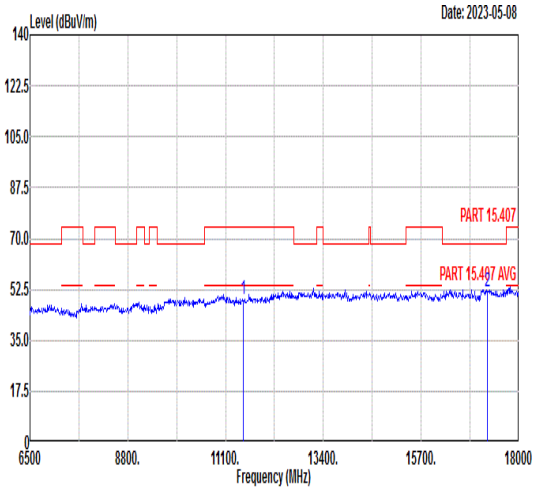
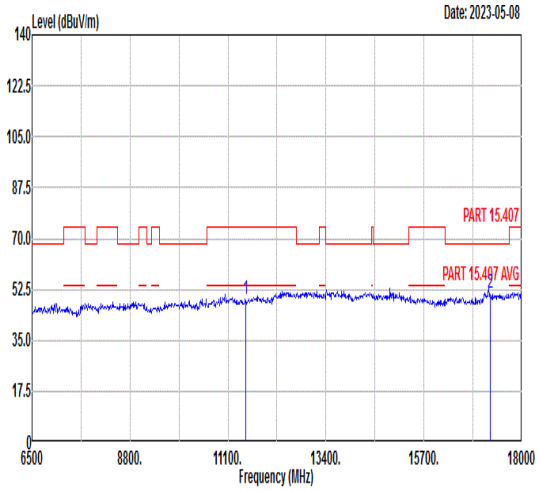
Mode	68	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH165_RU106/54_5825MHz	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5854.63 50.99 111.65 -60.66 40.27 35.18 8.87 33.33 400 203 PEAK 2 5873.88 51.29 105.51 -54.22 40.55 35.22 8.85 33.33 400 203 PEAK 3 5923.00 50.19 69.67 -19.48 39.39 35.33 8.79 33.32 400 203 PEAK 4 5929.88 50.59 68.30 -17.71 39.78 35.35 8.78 33.32 400 203 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 5825.00 108.94 ------ ------ 98.24 35.13 8.90 33.33 400 203 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 5825.00 100.55 ------ ------ 89.85 35.13 8.90 33.33 400 203 AVERAGE

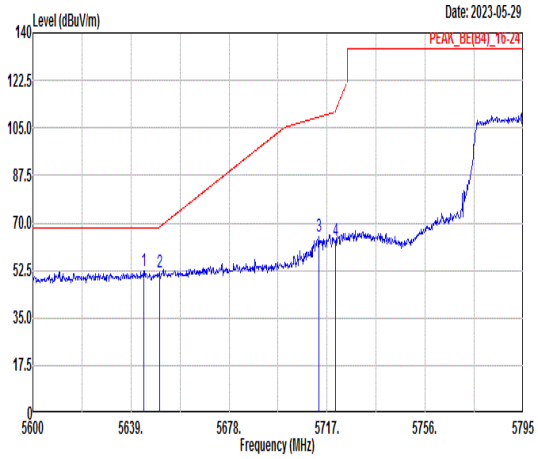
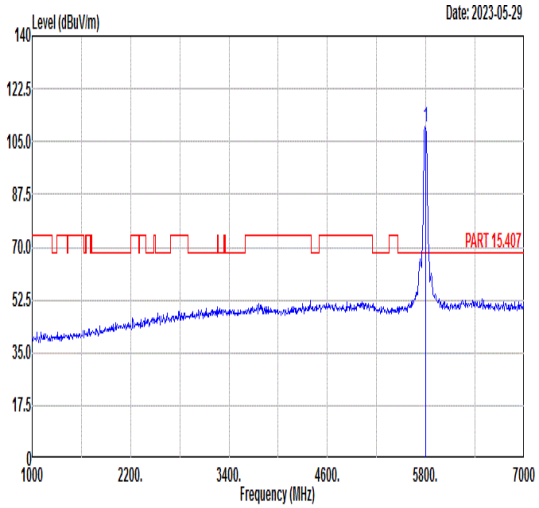
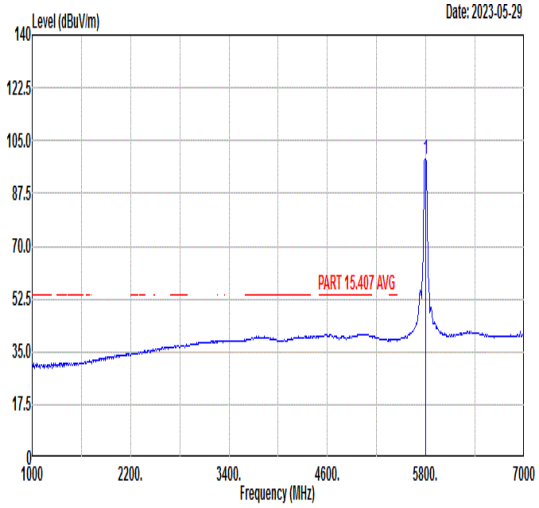
Mode	69	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE40_CH151_Full RU_5755MHz	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5633.64 54.87 68.30 -13.43 45.21 34.69 8.34 33.37 178 161 PEAK 2 5651.00 56.12 69.04 -12.92 46.36 34.73 8.40 33.37 178 161 PEAK 3 5718.27 73.59 110.32 -36.73 63.42 34.88 8.65 33.36 178 161 PEAK 4 5720.13 69.15 111.09 -41.94 58.97 34.88 8.66 33.36 178 161 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 5755.00 111.60 ------ ------ 101.23 34.95 8.77 33.35 178 161 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 5755.00 99.50 ------ ------ 89.19 34.93 8.73 33.35 178 161 AVERAGE

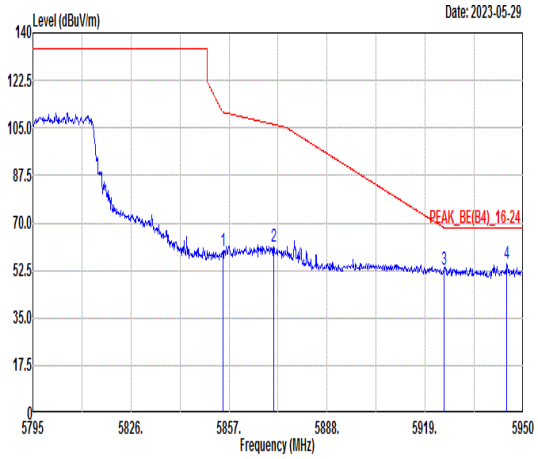
Mode	69	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE40_CH151_Full RU_5755MHz	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5854.84 53.91 111.17 -57.26 43.19 35.18 8.87 33.33 178 161 PEAK 2 5873.76 55.45 105.55 -50.10 44.71 35.22 8.85 33.33 178 161 PEAK 3 5924.65 52.80 68.46 -15.66 42.00 35.33 8.79 33.32 178 161 PEAK 4 5925.63 52.87 68.30 -15.43 42.06 35.34 8.79 33.32 178 161 PEAK	Blank

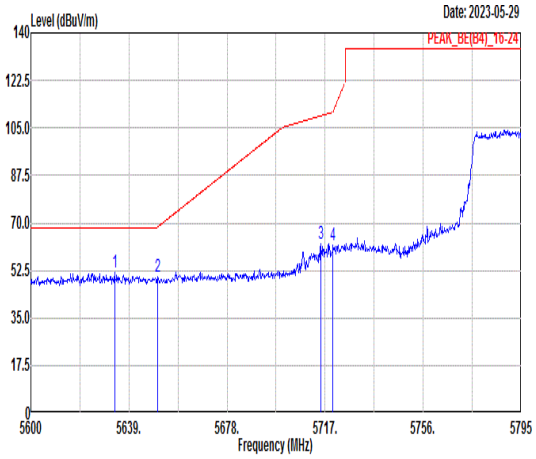
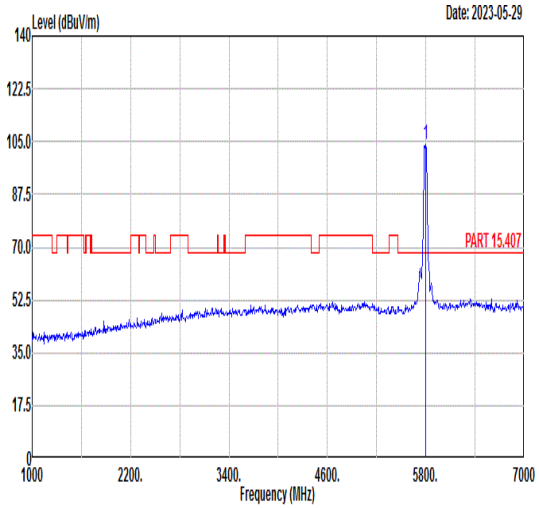
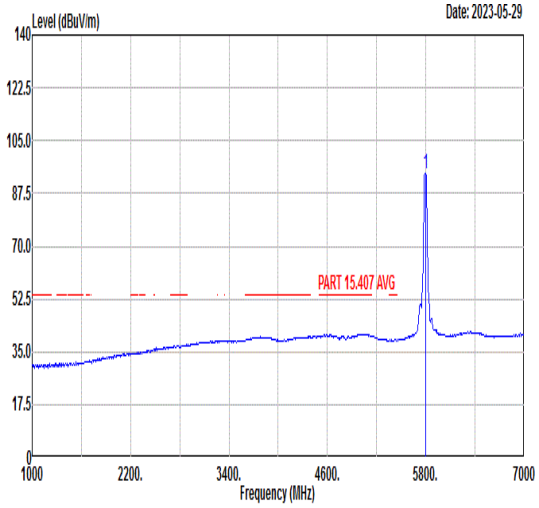
Mode	69	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE40_CH151_Full RU_5755MHz	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5635.34 53.48 68.30 -14.82 43.81 34.70 8.34 33.37 400 190 PEAK 2 5650.84 51.76 68.92 -17.16 42.00 34.73 8.40 33.37 400 190 PEAK 3 5718.11 67.06 110.27 -43.21 56.89 34.88 8.65 33.36 400 190 PEAK 4 5720.13 64.07 111.09 -47.02 53.89 34.88 8.66 33.36 400 190 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 5755.00 103.91 ------ ------ 93.49 34.97 8.80 33.35 400 190 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 5755.00 94.11 ------ ------ 83.74 34.95 8.77 33.35 400 190 AVERAGE

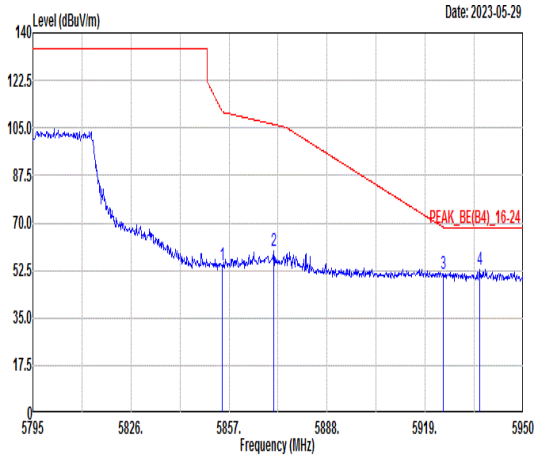
Mode	69	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE40_CH151_Full RU_5755MHz	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5854.84 51.39 111.17 -59.78 40.67 35.18 8.87 33.33 400 190 PEAK 2 5874.54 51.56 105.33 -53.77 40.82 35.22 8.85 33.33 400 190 PEAK 3 5924.26 51.56 68.75 -17.19 40.76 35.33 8.79 33.32 400 190 PEAK 4 5948.83 52.36 68.30 -15.94 41.52 35.39 8.76 33.31 400 190 PEAK	Blank

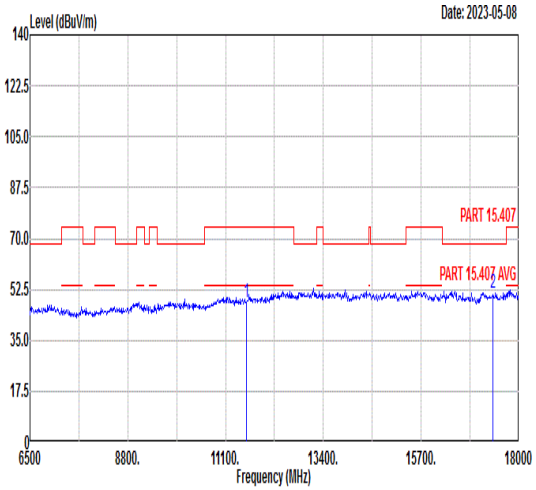
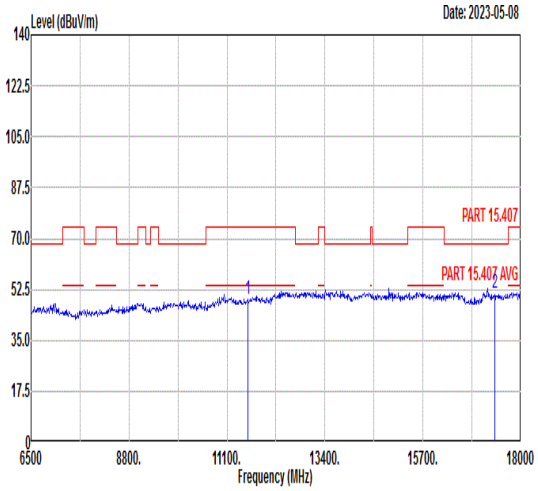
Mode	69	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE40_CH151_Full RU_5755MHz	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 11510.00 48.96 74.00 -25.04 54.56 38.60 13.70 57.90 --- --- Peak 2 17265.00 51.80 68.30 -16.50 50.83 41.31 16.52 56.86 --- --- 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 11510.00 48.98 74.00 -25.02 54.58 38.60 13.70 57.90 --- --- Peak 2 17265.00 51.10 68.30 -17.20 50.13 41.31 16.52 56.86 --- --- Peak

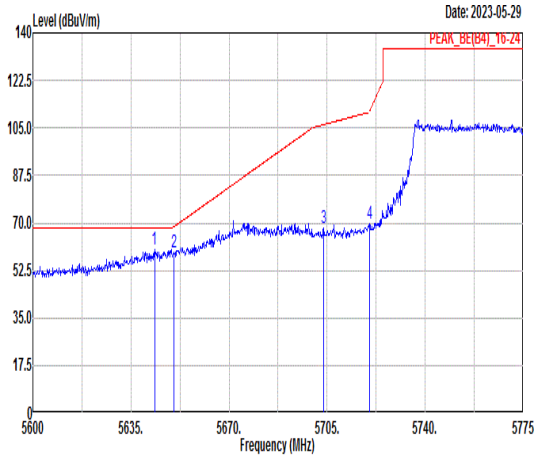
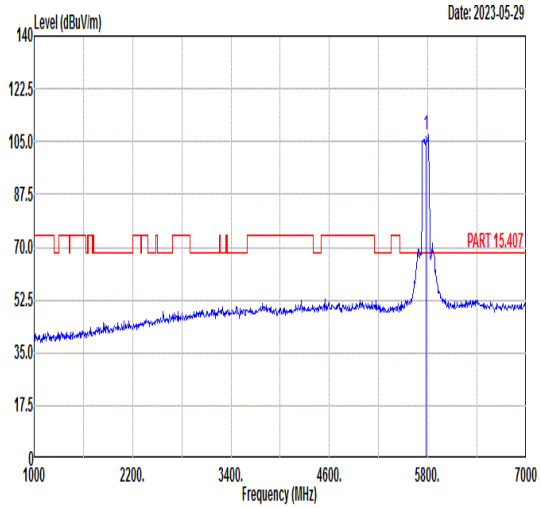
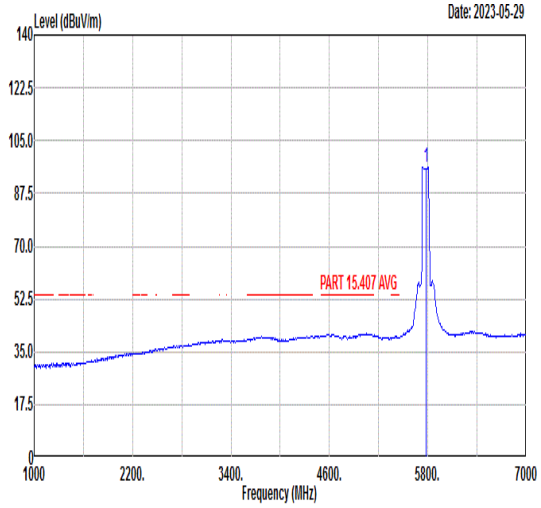
Mode	70	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE40_CH159_Full RU_5795MHz	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5644.07 52.29 68.30 -16.01 42.56 34.72 8.38 33.37 165 168 PEAK 2 5650.31 52.01 68.53 -16.52 42.25 34.73 8.40 33.37 165 168 PEAK 3 5713.69 65.00 109.03 -44.03 54.86 34.87 8.63 33.36 165 168 PEAK 4 5720.32 63.66 111.52 -47.86 53.48 34.88 8.66 33.36 165 168 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5795.00 109.85 ------ ------ 99.25 35.03 8.91 33.34 165 168 PEAK
Avg	Blank	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5795.00 98.74 ------ ------ 88.10 35.05 8.93 33.34 165 168 AVERAGE

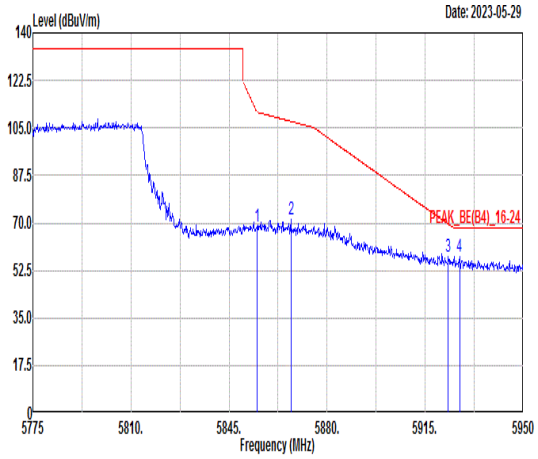
Mode	70	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE40_CH159_Full RU_5795MHz	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5854.99 59.67 110.83 -51.16 48.95 35.18 8.87 33.33 165 168 PEAK 2 5871.11 61.03 106.29 -45.26 50.29 35.22 8.85 33.33 165 168 PEAK 3 5924.89 53.05 68.28 -15.23 42.25 35.33 8.79 33.32 165 168 PEAK 4 5944.73 54.76 68.30 -13.54 43.92 35.38 8.77 33.31 165 168 PEAK	Blank

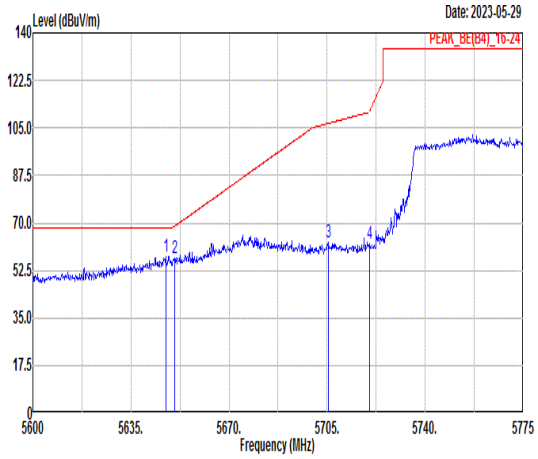
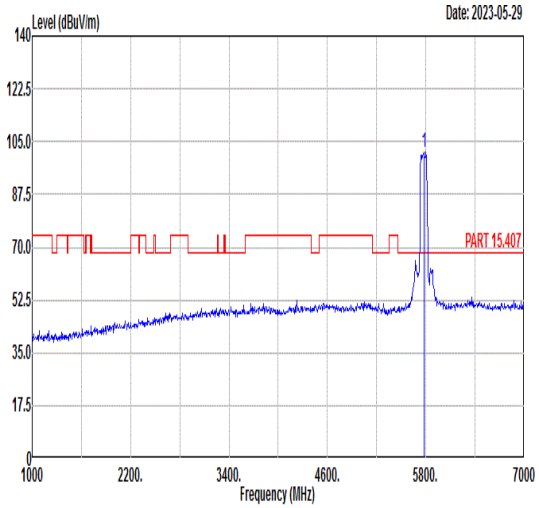
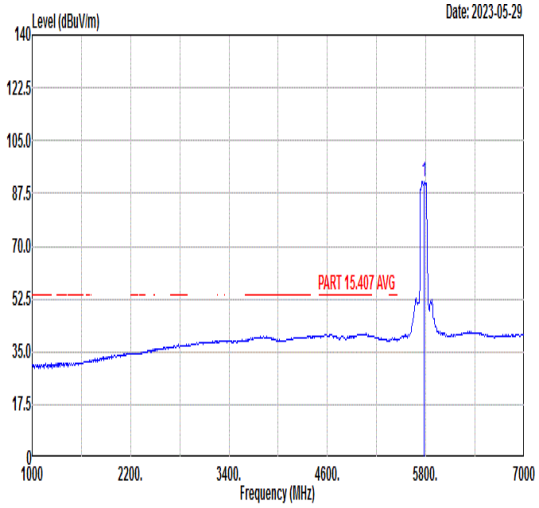
Mode	70	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE40_CH159_Full RU_5795MHz	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5633.35 51.60 68.30 -16.70 41.94 34.69 8.34 33.37 318 194 PEAK 2 5650.31 50.07 68.53 -18.46 40.31 34.73 8.40 33.37 318 194 PEAK 3 5715.25 62.17 109.47 -47.30 52.02 34.87 8.64 33.36 318 194 PEAK 4 5720.12 62.00 111.07 -49.07 51.82 34.88 8.66 33.36 318 194 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 5795.00 104.02 ------ ------ 93.38 35.05 8.93 33.34 318 194 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 5795.00 93.87 ------ ------ 83.27 35.03 8.91 33.34 318 194 AVERAGE

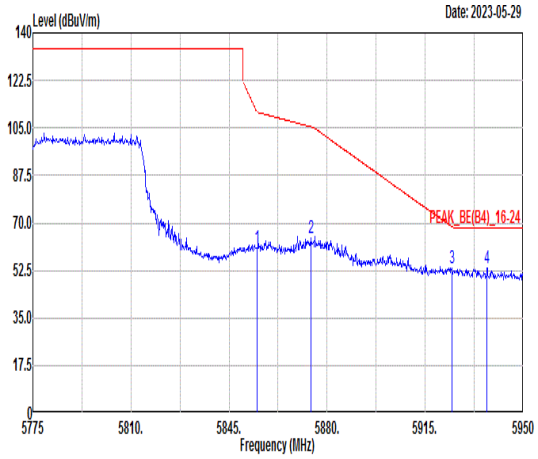
Mode	70	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE40_CH159_Full RU_5795MHz	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5854.83 54.66 111.19 -56.53 43.94 35.18 8.87 33.33 318 194 PEAK 2 5871.11 59.81 106.29 -46.48 49.07 35.22 8.85 33.33 318 194 PEAK 3 5924.74 51.45 68.40 -16.95 40.65 35.33 8.79 33.32 318 194 PEAK 4 5936.21 52.84 68.30 -15.46 42.01 35.36 8.78 33.31 318 194 PEAK	Blank

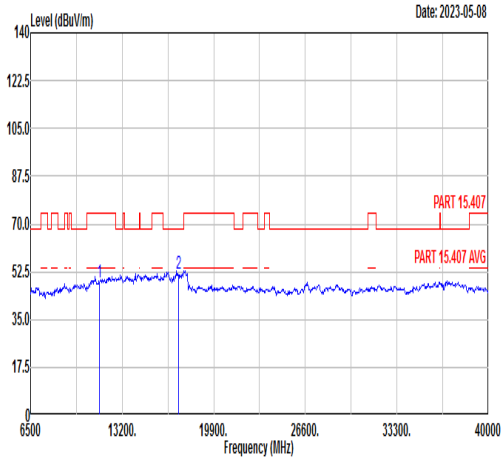
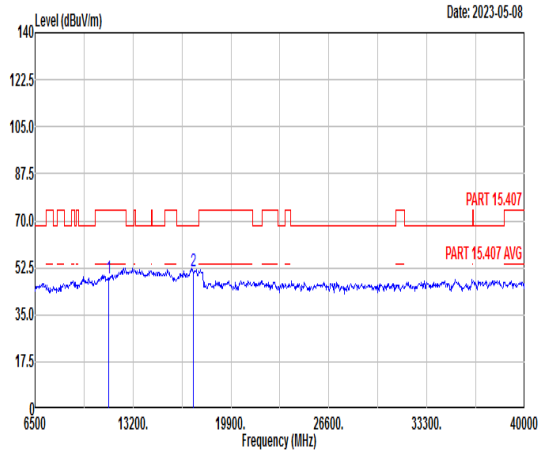
Mode	70	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE40_CH159_Full RU_5795MHz	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 11590.00 48.30 74.00 -25.70 53.83 38.70 13.69 57.92 --- --- Peak 2 17385.00 51.29 68.30 -17.01 50.43 41.35 16.49 56.98 --- --- 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 11590.00 49.34 74.00 -24.66 54.87 38.70 13.69 57.92 --- --- Peak 2 17385.00 51.11 68.30 -17.19 50.25 41.35 16.49 56.98 --- --- Peak

Mode	71	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE80_CH155_Full RU_5775MHz	
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 5643.40 60.16 68.30 -8.14 50.44 34.72 8.37 33.37 191 161 PEAK 2 5650.23 58.99 68.47 -9.48 49.23 34.73 8.40 33.37 191 161 PEAK 3 5703.78 67.93 106.26 -38.33 57.84 34.85 8.60 33.36 191 161 PEAK 4 5720.05 69.51 110.91 -41.40 59.33 34.88 8.66 33.36 191 161 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 5775.00 107.02 ------ ------ 96.36 35.07 8.93 33.34 191 161 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 96.23 ------ ------ 85.92 34.93 8.73 33.35 191 161 AVERAGE

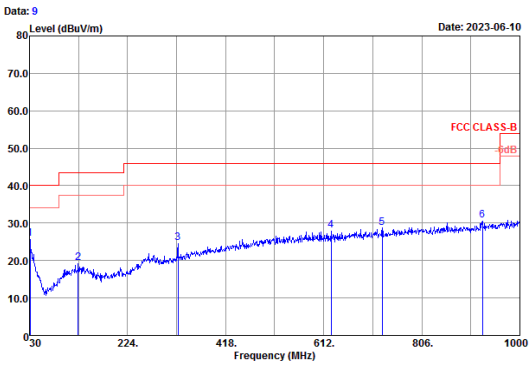
Mode	71	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE80_CH155_Full RU_5775MHz	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 5854.98 68.83 110.86 -42.03 58.11 35.18 8.87 33.33 191 161 PEAK 2 5867.05 71.55 107.42 -35.87 60.81 35.21 8.86 33.33 191 161 PEAK 3 5923.23 57.37 69.51 -12.14 46.57 35.33 8.79 33.32 191 161 PEAK 4 5927.25 57.79 68.30 -10.51 46.98 35.34 8.79 33.32 191 161 PEAK	Blank

Mode	71	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE80_CH155_Full RU_5775MHz	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5647.43 57.71 68.30 -10.59 47.97 34.72 8.39 33.37 400 196 PEAK 2 5650.58 56.90 68.73 -11.83 47.14 34.73 8.40 33.37 400 196 PEAK 3 5705.53 62.88 106.75 -43.87 52.79 34.85 8.60 33.36 400 196 PEAK 4 5720.05 62.24 110.91 -48.67 52.06 34.88 8.66 33.36 400 196 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5775.00 101.34 ------ ------ 90.68 35.06 8.94 33.34 400 196 PEAK
Avg	Blank	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 5775.00 91.41 ------ ------ 80.99 34.97 8.80 33.35 400 196 AVERAGE

Mode	71	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE80_CH155_Full RU_5775MHz	
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 60.54 110.86 -50.32 49.82 35.18 8.87 33.33 400 196 PEAK 2 5874.23 64.21 105.42 -41.21 53.47 35.22 8.85 33.33 400 196 PEAK 3 5924.45 53.36 68.61 -15.25 42.56 35.33 8.79 33.32 400 196 PEAK 4 5937.05 53.44 68.30 -14.86 42.62 35.36 8.77 33.31 400 196 PEAK	Blank

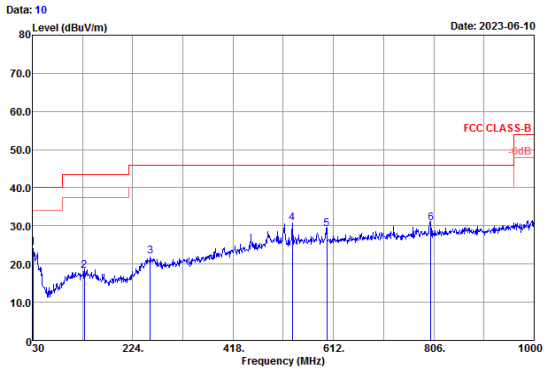
Mode	71	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE80_CH155_Full RU_5775MHz	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 11550.00 48.72 74.00 -25.28 54.28 38.65 13.70 57.91 --- --- Peak 2 17325.00 51.65 68.30 -16.65 50.73 41.33 16.51 56.92 --- --- 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 11550.00 48.80 74.00 -25.20 54.36 38.65 13.70 57.91 --- --- Peak 2 17325.00 51.35 68.30 -16.95 50.43 41.33 16.51 56.92 --- --- Peak

73	
LF	
U-NII-3_5.725-5.85_802.11ax HE80_CH155_Full RU_5775MHz	
Horizontal	Vertical



Site : 03CH03-SZ
Condition : FCC CLASS-B 3m LF_ANT35408 HORIZONTAL
Mode : 73
Setting : MCS0 Power setting 17.5
Plane : Z with Accessories
: #26 2Q37B2DF47004P

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.97	25.79	-14.21	40.00	32.71	24.37	0.54	31.83	---	---	Peak
2	126.03	19.31	-24.19	43.50	31.94	17.81	1.15	31.59	---	---	Peak
3	323.91	24.72	-21.28	46.00	34.00	19.91	1.89	31.08	---	---	Peak
4	626.55	28.04	-17.96	46.00	31.52	24.88	2.61	30.97	---	---	Peak
5	727.43	28.66	-17.34	46.00	31.30	25.45	2.81	30.90	---	---	Peak
6	926.28	30.66	-15.34	46.00	31.46	26.94	3.20	30.94	---	---	Peak



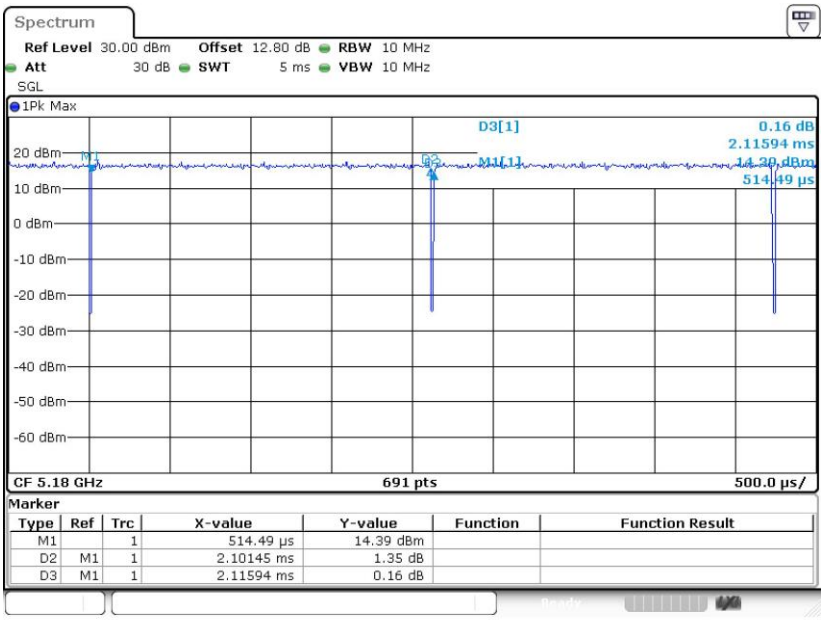
Site : 03CH03-SZ
Condition : FCC CLASS-B 3m LF_ANT35408 VERTICAL
Mode : 73
Setting : MCS0 Power setting 17.5
Plane : Z with Accessories
: #26 2Q37B2DF47004P

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.97	24.36	-15.64	40.00	31.28	24.37	0.54	31.83	---	---	Peak
2	130.88	18.38	-25.12	43.50	31.02	17.74	1.17	31.55	---	---	Peak
3	257.95	21.99	-24.01	46.00	32.01	19.49	1.67	31.18	---	---	Peak
4	532.46	30.73	-15.27	46.00	35.06	24.12	2.41	30.86	---	---	Peak
5	599.39	29.19	-16.81	46.00	32.84	24.79	2.56	31.00	---	---	Peak
6	800.18	30.76	-15.24	46.00	32.32	26.40	2.94	30.90	---	---	Peak

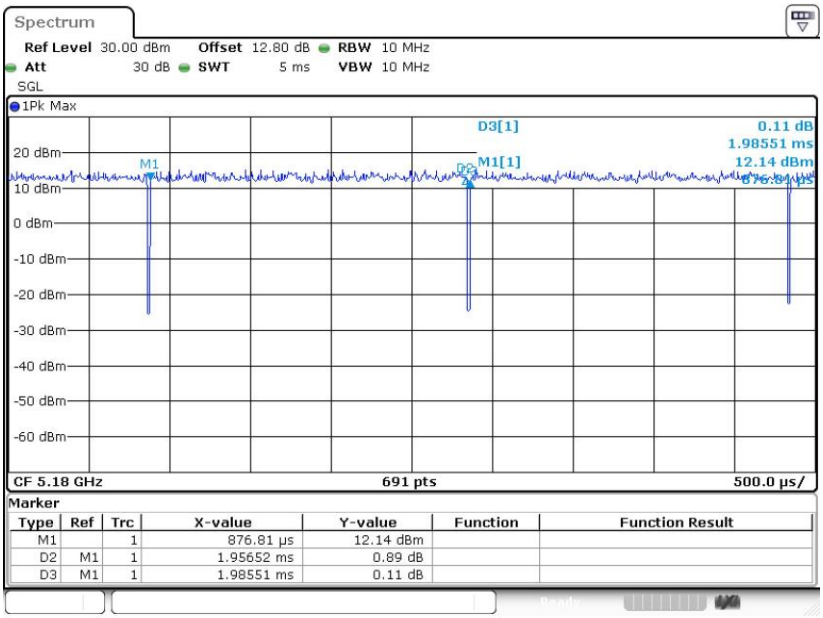
Appendix D. Duty Cycle Plots

Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11a	99.32	-	-	10Hz
802.11ax HE20	98.54	-	-	10Hz
802.11ax HE40	99.27	-	-	10Hz
802.11ax HE80	98.91	-	-	10Hz

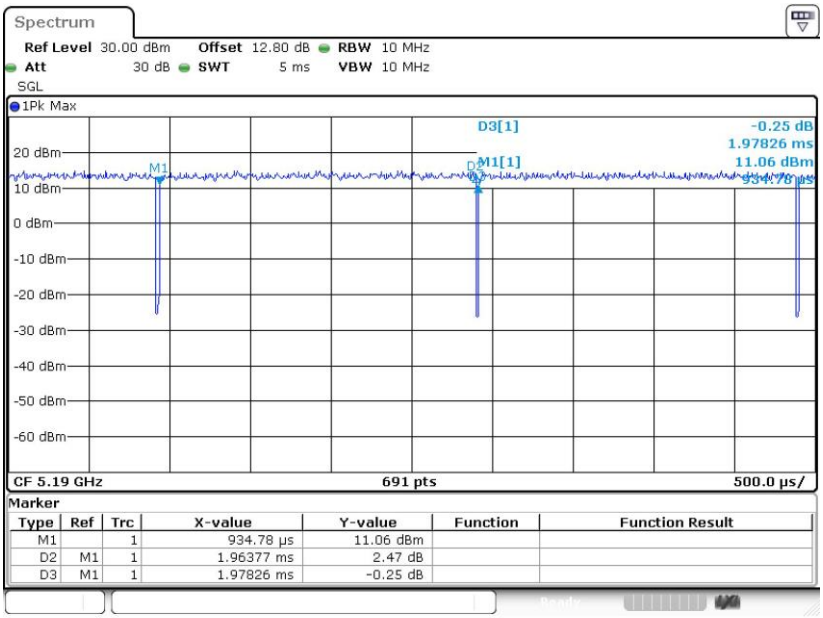
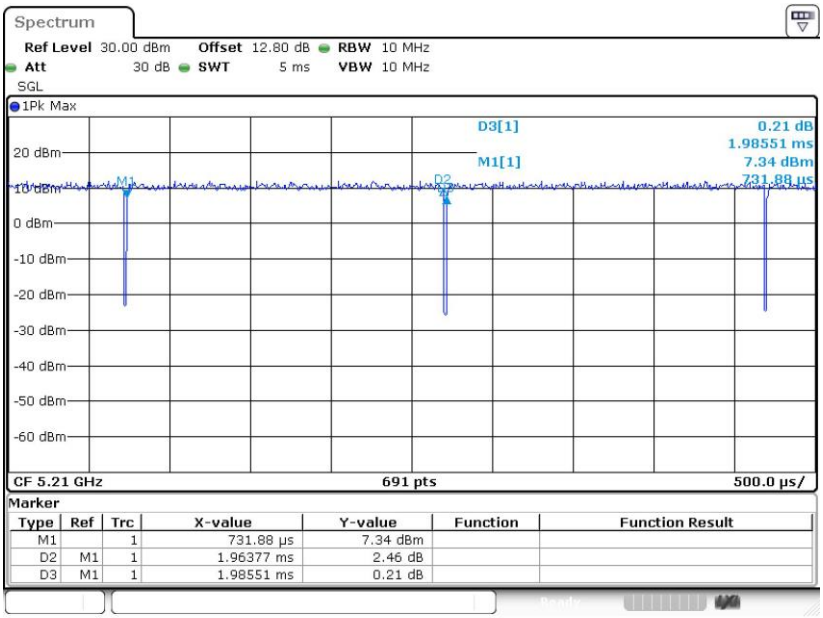
802.11a



802.11ax HE20



802.11ax HE40



802.11ax HE80