FCC RADIO TEST REPORT

FCC ID	:	**S9GR770**
Equipment	:	**R770 Access Point**
Brand Name	:	**RUCKUS**
Model Name	:	**R770**
Applicant	:	**Ruckus Wireless LLC** **350 W. Java Dr., Sunnyvale CA 94089 USA**
Manufacturer	:	**Ruckus Wireless LLC** **350 W. Java Dr., Sunnyvale CA 94089 USA**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Jan. 03, 2024 and testing was performed from Jan. 16, 2025 to Mar. 10, 2025. We, Sporton International (USA) Inc., 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 variant report apply exclusively to the tested model / sample. Without written approval from Sporton International (USA) Inc., the test report shall not be reproduced except in full.

Neil Kao

Approved by: Neil Kao

Sporton International (USA) Inc.

1175 Montague Expressway, Milpitas, CA 95035

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History of this test report

Report No.	Version	Description	Issue Date
FR230524001-06B	01	Initial issue of report	May 13, 2025
FR230524001-06B	02	Revise Appendix A This report is an updated version, replacing the report issued on May 13, 2025.	May 20, 2025

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
-	15.403	6dB & 26dB Bandwidth	Pass	See Note
3.1	2.1049	99% Occupied Bandwidth	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	-
-	15.207	AC Conducted Emission	Pass	See Note
3.5	15.203	Antenna Requirement	Pass	-

Note: This is a variant report intend to show compliace after replaced a new RF filter and change of small components, such as Resistor, Capacitors, and inductors. All the test cases were performed on original report which can be referred to Sporton Report Number FR230524001D. Based on the original report, the test cases were verified.

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 Product Feature of Equipment Under Test

Product Feature	
General Specs	Bluetooth-LE, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax/be, Wi-Fi 5GHz 802.11a/n/ac/ax/be, Wi-Fi 6GHz 802.11a/n/ac/ax/be, GPS and ZigBee.
Antenna Type	**WLAN:** <Ant. A>: Omni-Directional Antenna <Ant. B>: Omni-Directional Antenna <Ant. C>: Omni-Directional Antenna <Ant. D>: Omni-Directional Antenna <Ant. E>: Omni-Directional Antenna <Ant. F>: Omni-Directional Antenna **Bluetooth-LE/ZigBee:** Omni-Directional Antenna **GPS:** Omni-Directional Antenna

Antenna information		
5745 MHz ~ 5825 MHz	Peak Gain (dBi)	**<Ant. D>:** 3.2 **<Ant. B>:** 2.9 **<Ant. C>:** 2.9 **<Ant. A>:** 3.2

Remark:

1. The device is a special case of MIMO system with four outputs driving a cross-polarized pair of linearly polarized antennas which are vertically/horizontally mounted on the PCB board as indicated in equipment photo exhibits.
2. The EUT information mentioned or listed above is declared by the manufacturer.

1.1.1 Antenna Directional Gain

The device is the special case of a MIMO system with four outputs driving a cross-polarized pair of linearly polarized antennas (noted as “vertical” and “horizontal”).

Refer to KDB 662911 D01 v02r01 F)2)c) for a system in which the antennas have fixed orientations relative to one another that ensure that the antennas are cross-polarized regardless of any user actions, the directional gain is computed as follows.

The total gain—including array gain—is computed separately for each of the two polarizations using the procedures presented in KDB 662911 D01 v02r01. The highest of the total gains shall apply.

For power measurements on IEEE 802.11 devices,

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows:

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

G_{ANT} is set equal to the gain of the antenna having the highest gain.

For PSD measurements, the directional gain calculation follows F)2)f)i) of KDB 662911 D01 Directional gain = $G_{ANT\ MAX}$ + 10 log(N_{ANT}/N_{SS}) dBi, where N_{SS} = the number of independent spatial streams of data and $G_{ANT\ MAX}$ is.the gain of the antenna having the highest gain (in dBi).

	Ant D Vertical polarization (dBi)	Ant A Vertical polarization (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band IV	3.20	3.20	3.20	6.21	0.00	0.21

	Ant B Horizontal polarization (dBi)	Ant C Horizontal polarization (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band IV	2.90	2.90	2.90	5.91	0.00	0.00

Calculation:

Directional gain of power measurement:

= max. antenna gain (3.2dBi, 3.2dBi) + 0 = 3.2 dBi

Directional gain of PSD measurement (Horizontal polarization):

= max. antenna gain (2.9dBi, 2.9dBi)+10*log(2/1) = 5.91dBi

Directional gain of PSD measurement (Vertical polarization):

= max. antenna gain (3.2dBi, 3.2dBi)+10*log(2/1) = 6.21dBi

Directional gain of PSD measurement:

= max directional gain of Horizontal and Vertical

= max. directional gain (5.91dBi, 6.21dBi) = 6.21 dBi

Modification of EUT

No modifications made to the EUT during the testing.

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International (USA) Inc.
Test Site Location	1175 Montague Expressway, Milpitas, CA 95035 TEL : 408 9043300
Test Site No.	**Sporton Site No.**
	TH01-CA, CO01-CA, 03CH02-CA

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

FCC Designation No.: US1250

1.4 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark: All the test items were validated and recorded in accordance with the standards without any modification during the testing.

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: radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5725-5850 MHz Band 4 (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 with "*" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40 and 802.11be EHT40.
2. The above Frequency and Channel with "#" are 802.11ac VHT80 and 802.11ax HE80 and 802.11be EHT80.

2.2 Test Mode

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

MIMO Mode

Specification	MCS index /Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by EHT20)	MCS0
802.11n HT40 (Covered by EHT40)	MCS0
802.11ac VHT20 (Covered by EHT20)	MCS0
802.11ac VHT40 (Covered by EHT40)	MCS0
802.11ac VHT80 (Covered by EHT80)	MCS0
802.11ax HE20 (Covered by EHT20)	MCS0
802.11ax HE40 (Covered by EHT40)	MCS0
802.11ax HE80 (Covered by EHT80)	MCS0
802.11be EHT20	MCS0
802.11be EHT40	MCS0
802.11be EHT80	MCS0

Remark:

1 Based on the manufacturer's declaration, 802.11be covers the 802.11n, 11ac and 11ax due to the same modulation family scheme. For 802.11be, only full resource unit assignment mode is tested since the EUT does not support partial resource unit assignment mode.

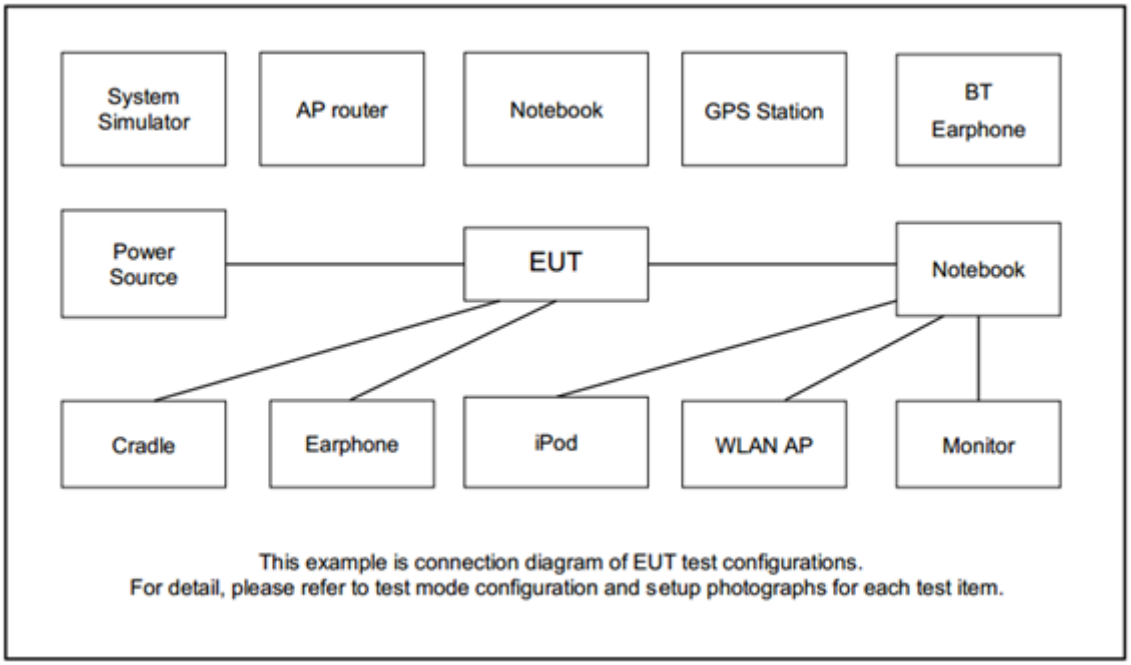
2 Based on the manufacturer's declaration, RF power on each chain in MIMO mode is parameterized to be greater than the power in SISO mode, giving the condition that the SISO Mode is covered by MIMO Mode which is deemed the worst case selected for testing.

3 The EUT information mentioned or listed above is declared by the manufacturer.

4 For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

5 The detailed radiated test modes are shown in Appendix B.

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Laptop	DELL	Latitue 5410	N/A	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
2.	POE Adapter	Ruckus	GRT-480125A	NA	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QSPR Version 6.00.00169.2” and “QUTS Version1.18.2.17” was installed in laptop which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 99% Occupied Bandwidth Measurement

3.1.1 Description of 99% Occupied Bandwidth

99% Occupied bandwidth are reporting only.

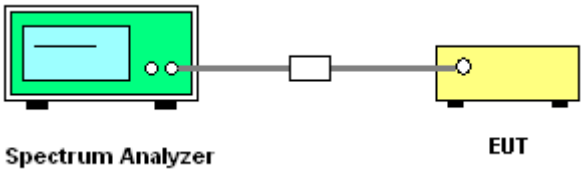
3.1.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth for the band 5.725-5.85 GHz
2. Set RBW = 100 kHz.
3. 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 99% Occupied Bandwidth

Please refer to Appendix A.

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

Please refer to the measuring equipment list in this test report.

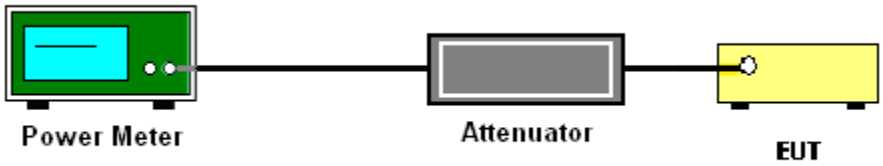
3.2.3 Test Procedures

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

Method PM-G (Measurement using a gated RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01

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

Please refer to the measuring equipment list in this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section F) Maximum power spectral density.

 # Method SA-2 #

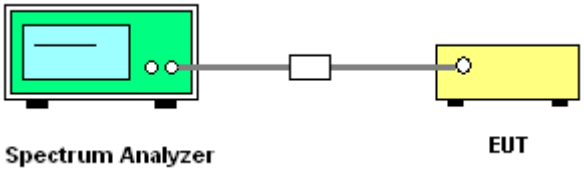
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300kHz.
- Set VBW ≥ 1 MHz.
- Add 10 log (500 kHz/RBW) to the measured result, whereas RBW (<500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
   Method (c): Measure and add 10 log(N_{ANT}) dB.
   With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity 10 log(N_{ANT}) dB is added to each spectrum value before comparing to the emission limit. The addition of 10 log(N_{ANT}) dB serves to apportion the emission limit among the N_{ANT} outputs so that each output is permitted to contribute no more than $1/N_{ANT}$ th of the PSD limit.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Unwanted 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 falls in restricted bands shall comply with the general field strength limits as below table,

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

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

$$E=\frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts)

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

(3) KDB789033 D02 v02r01 G)2)c)

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of −27 dBm/MHz.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.4.3 Test Procedures

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

   (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

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

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

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

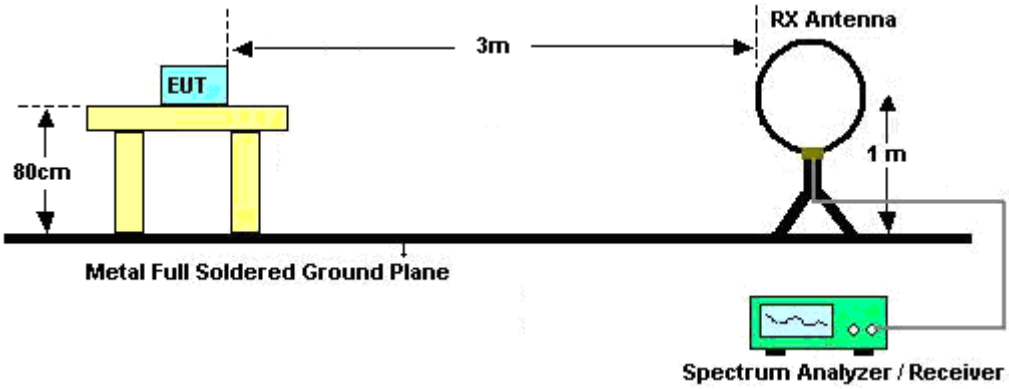
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.

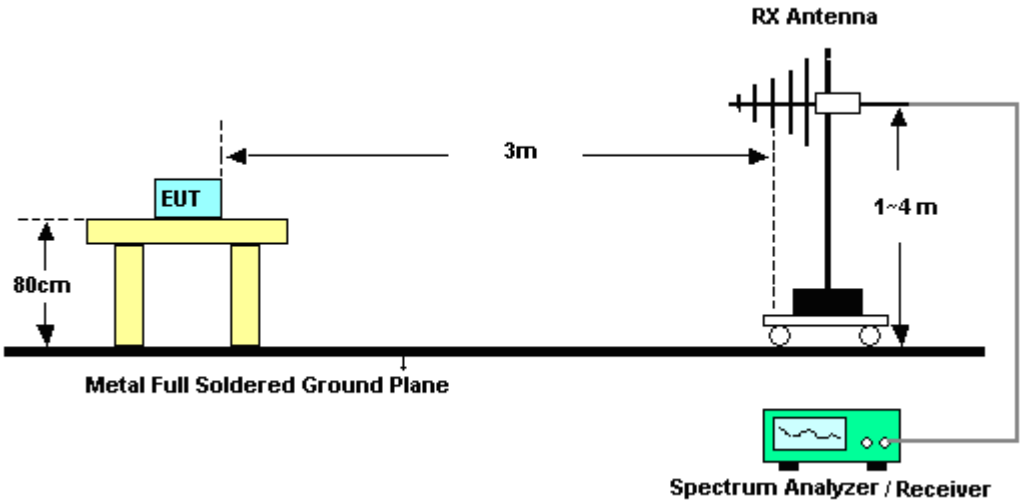
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as "-".
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies.
   When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as "-".

3.4.4 Test Setup

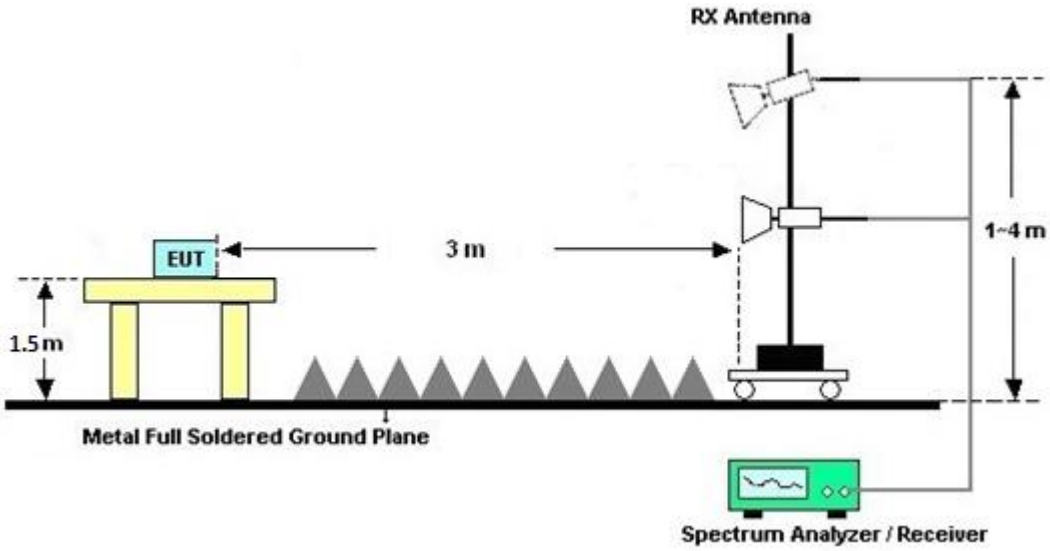
For radiated emissions below 30MHz



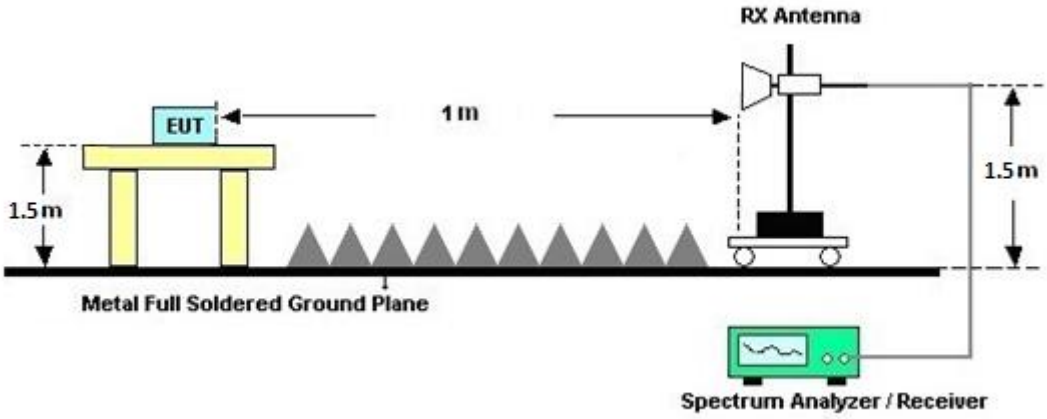
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix B.

3.4.7 Duty Cycle

Please refer to Appendix C.

3.4.8 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix B.

3.5 Antenna Requirements

3.5.1 Standard Applicable

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

3.5.2 Antenna Anti-Replacement Construction

Antenna permanently attached.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna	TESEQ	6111D	50392	30MHz~1GHz	Aug. 13, 2024	Jan. 16, 2025~ Mar. 10, 2025	Nov. 12, 2025	Radiation (03CH02-CA)
Loop Antenna	R&S	HFH2-Z2E	100840	9kHz~30MHz	May 02, 2024	Jan. 16, 2025~ Mar. 10, 2025	May 01, 2025	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBECK	BBHA 9120D	02140	1GHz~18GHz	Jan. 29, 2024	Jan. 16, 2025~ Jan. 27, 2025	Jan. 28, 2025	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBECK	BBHA 9120D	02115	1GHz~18GHz	Aug. 06, 2024	Jan. 28, 2025~ Mar. 10, 2025	Aug. 05, 2025	Radiation (03CH02-CA)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00841	18GHz~40GHz	Aug. 07, 2024	Jan. 16, 2025~ Mar. 10, 2025	Aug. 06, 2025	Radiation (03CH02-CA)
Amplifier	SONOMA	310N	372240	9kHz~1GHz	Apr. 24, 2024	Jan. 16, 2025~ Mar. 10, 2025	Apr. 23, 2025	Radiation (03CH02-CA)
Filter	WOKEN	WFIL-H6750-18000F	WR67BWC6B1	6.75GHz High Pass Filter	Jun. 04, 2024	Jan. 16, 2025~ Mar. 10, 2025	Jun. 03, 2025	Radiation (03CH02-CA)
Filter	Wainwright	WLK12-1200-1272-11000-40SS	SN1	1.2GHz Low Pass Filter	Jun. 04, 2024	Jan. 16, 2025~ Mar. 10, 2025	Jun. 03, 2025	Radiation (03CH02-CA)
Preamplifier	Keysight	83017A	MY53270321	1GHz~26.5GHz	Apr. 25, 2024	Jan. 16, 2025~ Mar. 10, 2025	Apr. 24, 2025	Radiation (03CH02-CA)
Preamplifier	E-instrument	ERA-100M-18G-56-01-A70	EC1900251	1GHz~18GHz	Apr. 24, 2024	Jan. 16, 2025~ Mar. 10, 2025	Apr. 23, 2025	Radiation (03CH02-CA)
Preamplifier	EMEC	EMC18G40G	060726	18G-40G	Apr. 04, 2024	Jan. 16, 2025~ Mar. 10, 2025	Apr. 03, 2025	Radiation (03CH02-CA)
RF Cable	HUBER+SUHNER	SUCOFLEX 102	804209/2, 802406/2, 802875/2, 802952/2	N/A	Oct. 10, 2024	Jan. 16, 2025~ Mar. 10, 2025	Oct. 09, 2025	Radiation (03CH02-CA)
Hygrometer	TESEO	608-H1	45142602	N/A	Aug. 14, 2024	Jan. 16, 2025~ Mar. 10, 2025	Aug. 13, 2025	Radiation (03CH02-CA)
Controller	Chaintek	EM-1000	060876	Control Turn Table & Antenna Mast	N/A	Jan. 16, 2025~ Mar. 10, 2025	N/A	Radiation (03CH02-CA)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jan. 16, 2025~ Mar. 10, 2025	N/A	Radiation (03CH02-CA)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jan. 16, 2025~ Mar. 10, 2025	N/A	Radiation (03CH02-CA)
Test Software	Audix E3	E3	N/A	N/A	N/A	Jan. 16, 2025~ Mar. 10, 2025	N/A	Radiation (03CH02-CA)
Hygrometer	Testo	608-H1	45141354	N/A	Aug. 14, 2024	Feb. 03, 2025~ Feb. 14, 2025	Aug. 13, 2025	Conducted (TH01-CA)
Power Sensor	DARE!!	RPR3006W	RPR8W-2301002	10MHz-8GHz	Feb. 22, 2024	Feb. 03, 2025~ Feb. 14, 2025	Feb. 21, 2025	Conducted (TH01-CA)
Spectrum analyzer	Rhodes & Schwarz	FSV40	101089	10Hz~40GHz	Apr. 24, 2024	Feb. 03, 2025~ Feb. 14, 2025	Apr. 23, 2025	Conducted (TH01-CA
Switch Box	EM Electronics	EMSW26	1090304	N/A	Oct. 04, 2024	Feb. 03, 2025~ Feb. 14, 2025	Oct. 03, 2025	Conducted (TH01-CA)

5 Measurement Uncertainty

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

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

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.4 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.5 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer	Venkata Kondepudi	Temperature	18	°C
Test Date	2025/2/3	Relative Humidity	65.3	%

TEST RESULTS DATA
6dB and 99% OBW

Band IV MIMO 4Tx Mode Ant D + B + C + A																		
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	26dB Bandwidth (MHz)				6 dB Bandwidth (MHz)				99% Bandwidth (MHz)				6 dB Min. Limit (MHz)	Pass /Fail
					Ant D	Ant B	Ant C	Ant A	Ant D	Ant B	Ant C	Ant A	Ant D	Ant B	Ant C	Ant A		
11a	6Mbps	4	149	5745	22.60	22.75	22.88	22.43	16.36	16.36	16.36	16.37	17.05	17.06	17.04	17.00	0.5	Pass
11a	6Mbps	4	157	5785	22.55	22.84	23.08	22.54	16.36	16.35	16.38	16.36	17.04	17.05	17.02	17.03	0.5	Pass
11a	6Mbps	4	165	5825	22.55	22.89	22.95	22.40	16.37	16.36	16.36	16.36	17.05	17.04	17.03	17.00	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO 4Tx Mode Ant D + B + C + A																	
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)				Average Conducted Power (dBm)					FCC Conducted Power Limit (dBm)	DG (dBi)	Pass/ Fail
					Ant D	Ant B	Ant C	Ant A	Ant D	Ant B	Ant C	Ant A	SUM	Ant D + B + C + A	Ant D + B + C + A	
11a	6Mbps	4	149	5745	0.05	0.04	0.04	0.04	21.77	21.79	21.78	21.95	27.84	30.00	3.20	Pass
11a	6Mbps	4	157	5785	0.05	0.04	0.04	0.04	21.49	21.76	21.78	21.78	27.72	30.00	3.20	Pass
11a	6Mbps	4	165	5825	0.05	0.04	0.04	0.04	21.59	21.71	21.63	21.99	27.75	30.00	3.20	Pass

Note 1: The device has 4 antennas, each one has polarization which is orthogonal to the other.

TEST RESULTS DATA
Power Spectral Density

Band IV MIMO 4Tx Mode Ant D + B + C + A																	
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)				Average Power Density with Duty Factor (dBm/500kHz)					Average PSD Limit (dBm/500kHz)	DG (dBi)	Pass /Fail
					Ant D	Ant B	Ant C	Ant A	Ant D	Ant B	Ant C	Ant A	SUM	Ant D + B + C + A	Ant D + B + C + A	
11a	6Mbps	4	149	5745	0.05	0.04	0.04	0.04	6.12	6.24	6.18	6.34	12.36	29.79	6.21	Pass
11a	6Mbps	4	157	5785	0.05	0.04	0.04	0.04	5.70	5.99	5.91	6.04	12.06	29.79	6.21	Pass
11a	6Mbps	4	165	5825	0.05	0.04	0.04	0.04	5.90	6.25	6.01	6.55	12.57	29.79	6.21	Pass

Note: PSD Sum = Max PSD(Ant. D, Ant. B, Ant. C, Ant. A) + 10 log (4)

Note 1: The device has 4 antennas, each one has polarization which is orthogonal to the other.

TEST RESULTS DATA
6dB and 99% OBW

Band IV MIMO 4Tx Mode Ant D + B + C + A																			
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	26dB Bandwidth (MHz)				6 dB Bandwidth (MHz)				99% Bandwidth (MHz)				6 dB Min. Limit (MHz)	Pass /Fail
						Ant D	Ant B	Ant C	Ant A	Ant D	Ant B	Ant C	Ant A	Ant D	Ant B	Ant C	Ant A		
EHT20	MCS0	4	149	5745	Full	23.50	23.43	23.50	23.25	18.97	19.07	19.06	19.03	19.14	19.16	19.15	19.18	0.5	Pass
EHT20	MCS0	4	157	5785	Full	23.34	23.55	23.59	23.63	19.06	19.07	19.04	19.05	19.13	19.18	19.16	19.17	0.5	Pass
EHT20	MCS0	4	165	5825	Full	23.30	23.30	23.14	23.81	19.05	19.09	19.07	19.08	19.14	19.16	19.17	19.18	0.5	Pass
EHT40	MCS0	4	151	5755	Full	45.84	45.81	44.77	45.81	38.12	38.14	38.11	38.11	38.54	38.51	38.55	38.48	0.5	Pass
EHT40	MCS0	4	159	5795	Full	46.06	45.89	45.23	44.90	38.14	38.15	38.12	38.12	38.62	38.47	38.53	38.49	0.5	Pass
EHT80	MCS0	4	155	5775	Full	90.11	88.26	90.66	90.21	78.22	78.11	78.18	78.13	77.91	77.86	77.82	77.85	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO 4Tx Mode Ant D + B + C + A																	
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)				Average Conducted Power (dBm)					FCC Conducted Power Limit (dBm)	DG (dBi)	Pass/ Fail
						Ant D	Ant B	Ant C	Ant A	Ant D	Ant B	Ant C	Ant A	SUM	Ant D + B + C + A	Ant D + B + C + A	
EHT20	MCS0	4	149	5745	Full	0.4	0.41	0.41	0.43	21.80	21.84	21.89	22.16	27.95	30.00	3.20	Pass
EHT20	MCS0	4	157	5785	Full	0.4	0.41	0.41	0.43	21.47	21.84	21.78	21.87	27.76	30.00	3.20	Pass
EHT20	MCS0	4	165	5825	Full	0.4	0.41	0.41	0.43	21.69	21.99	21.69	22.20	27.92	30.00	3.20	Pass
EHT40	MCS0	4	151	5755	Full	0.09	0.08	0.08	0.07	21.46	21.53	21.62	21.84	27.64	30.00	3.20	Pass
EHT40	MCS0	4	159	5795	Full	0.09	0.08	0.08	0.07	21.20	21.49	21.73	21.70	27.56	30.00	3.20	Pass
EHT80	MCS0	4	155	5775	Full	0.07	0.05	0.05	0.06	20.69	20.81	20.74	20.99	26.83	30.00	3.20	Pass

Note 1: The device has 4 antennas, each one has polarization which is orthogonal to the other.

TEST RESULTS DATA
Power Spectral Density

Band IV MIMO 4Tx Mode Ant D + B + C + A																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)				Average Power Density with Duty Factor (dBm/500kHz)					Average PSD Limit (dBm/500kHz)	DG (dBi)	Pass /Fail
						Ant D	Ant B	Ant C	Ant A	Ant D	Ant B	Ant C	Ant A	SUM	Ant D + B + C + A	Ant D + B + C + A	
EHT20	MCS0	4	149	5745	Full	0.4	0.41	0.41	0.43	5.54	5.60	5.50	5.82	11.84	29.79	6.21	Pass
EHT20	MCS0	4	157	5785	Full	0.4	0.41	0.41	0.43	5.22	5.55	5.42	5.83	11.85	29.79	6.21	Pass
EHT20	MCS0	4	165	5825	Full	0.4	0.41	0.41	0.43	5.55	5.86	5.61	6.14	12.16	29.79	6.21	Pass
EHT40	MCS0	4	151	5755	Full	0.09	0.08	0.08	0.07	2.55	2.34	2.46	2.74	8.76	29.79	6.21	Pass
EHT40	MCS0	4	159	5795	Full	0.09	0.08	0.08	0.07	2.35	2.41	2.52	2.59	8.61	29.79	6.21	Pass
EHT80	MCS0	4	155	5775	Full	0.07	0.05	0.05	0.06	-1.09	-1.23	-1.37	-0.96	5.06	29.79	6.21	Pass

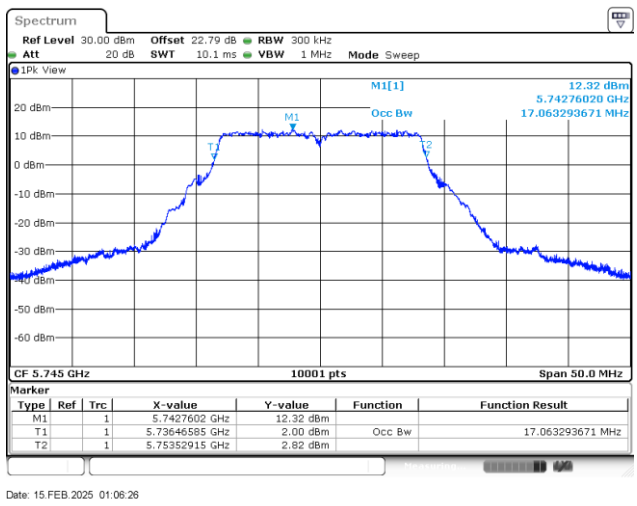
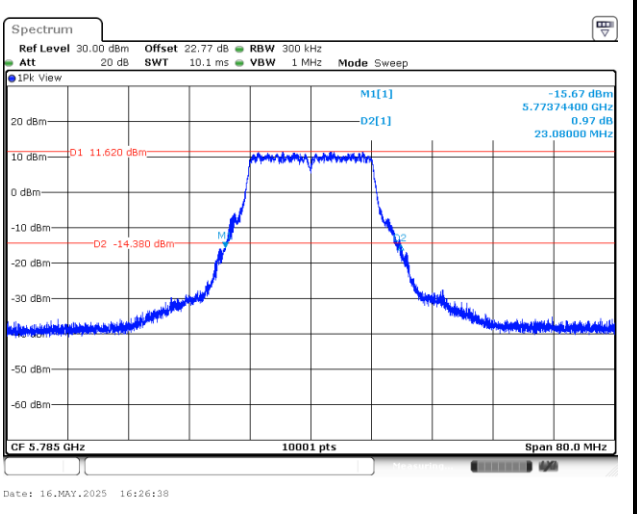
Note: PSD Sum = Max PSD(Ant. D, Ant. B, Ant. C, Ant. A) + 10 log (4)

Note 1: The device has 4 antennas, each one has polarization which is orthogonal to the other.

Test Result of 99% Occupied Bandwidth & 26dB Bandwidth

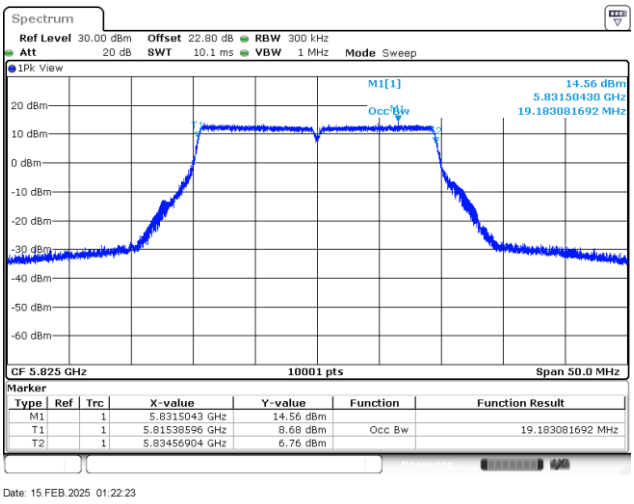
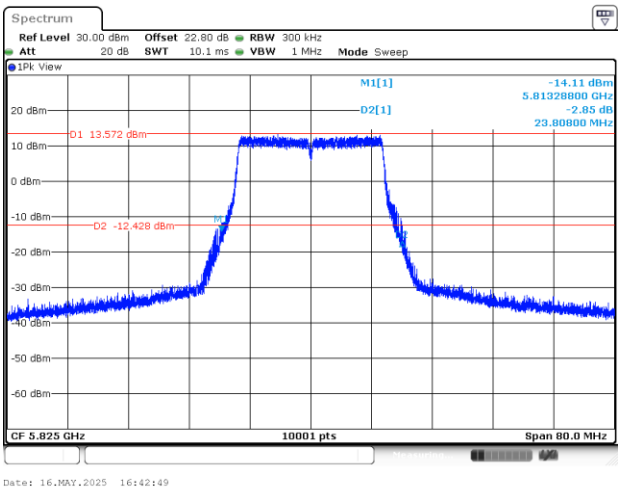
MIMO <Ant. D+B+C+A>

<802.11a>

99% Occupied Bandwidth	26dB Bandwidth
	

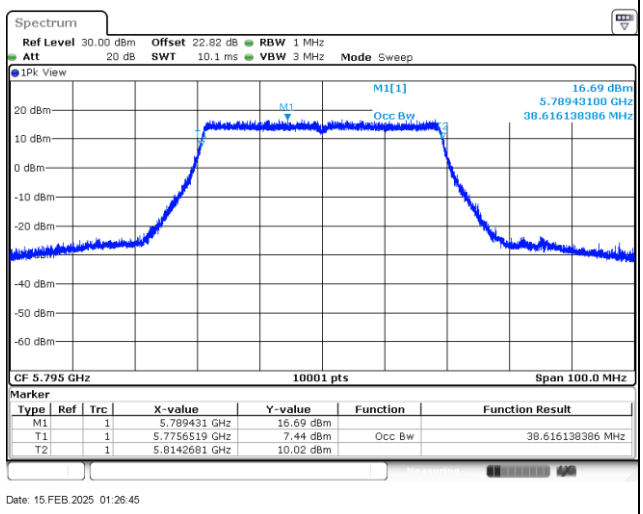
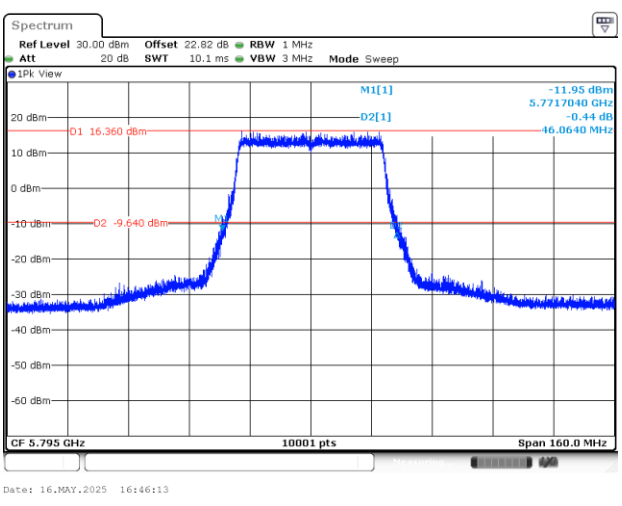
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11be EHT20>

99% Occupied Bandwidth	26dB Bandwidth
	

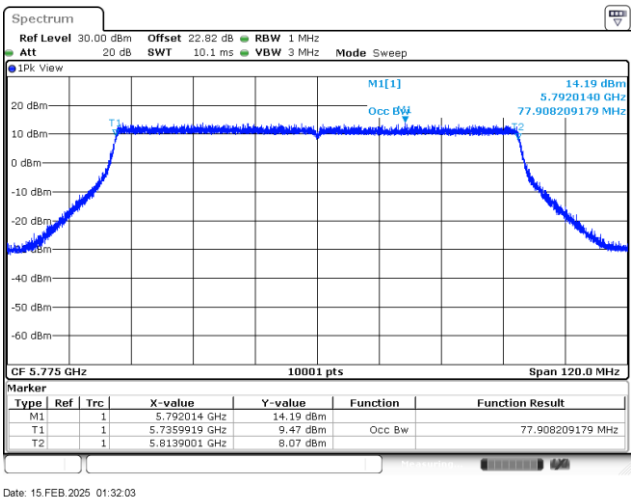
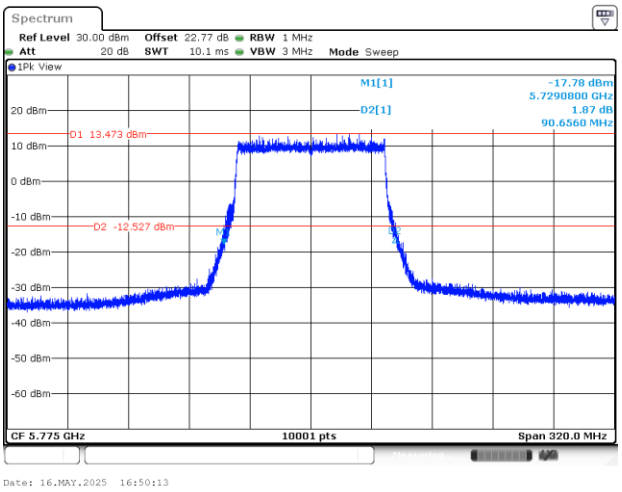
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11be EHT40>

99% Occupied Bandwidth	26dB Bandwidth
	

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

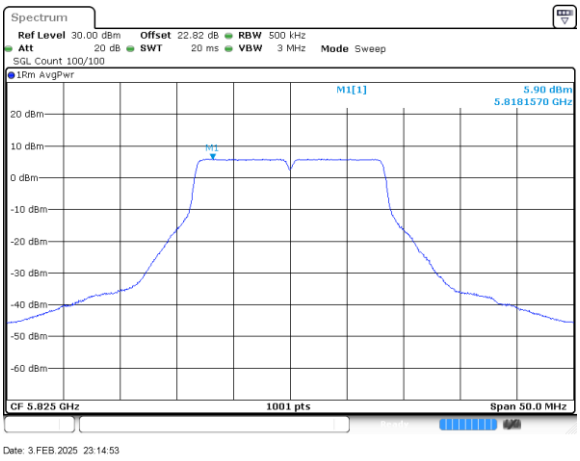
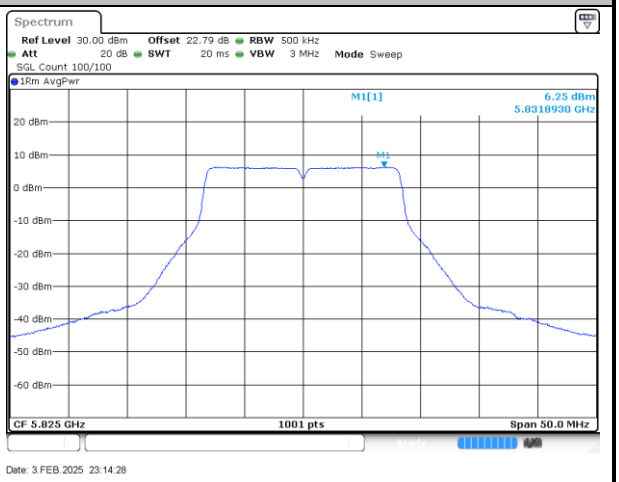
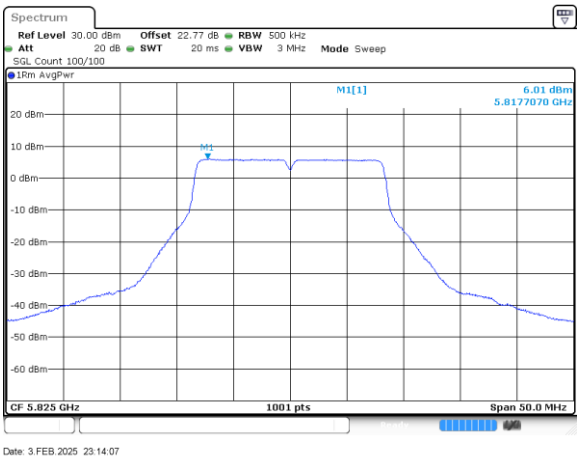
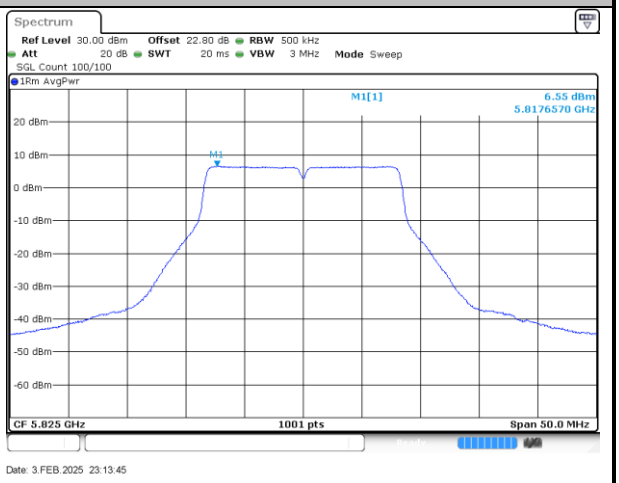
<802.11be EHT80>

99% Occupied Bandwidth	26dB Bandwidth
	

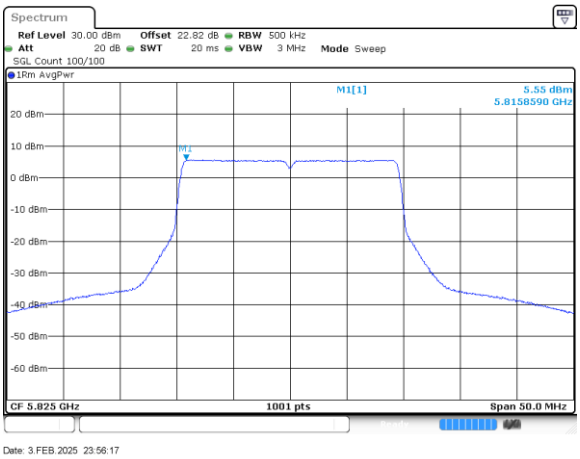
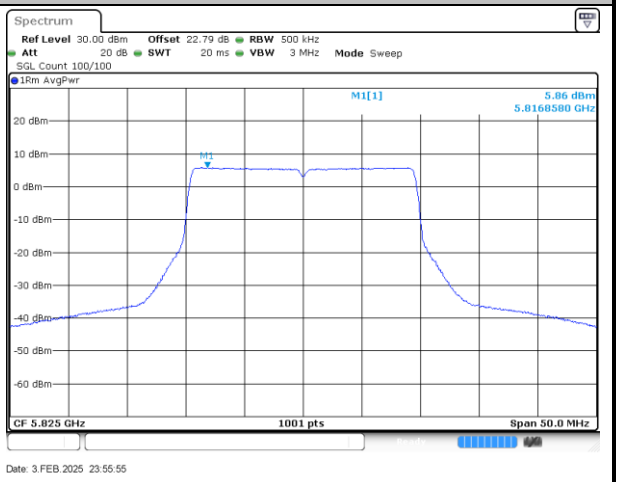
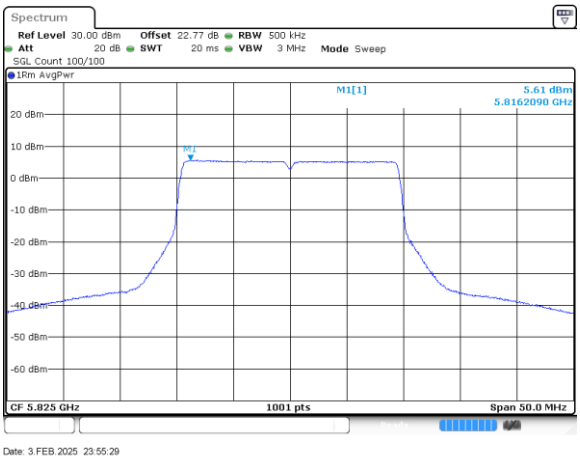
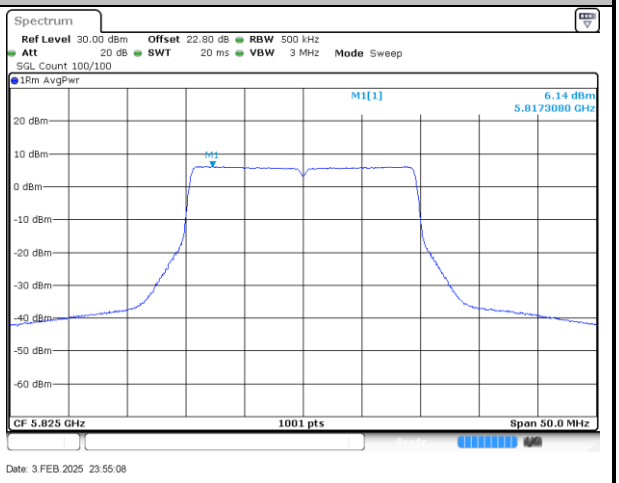
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

Test Result of Power Spectral Density

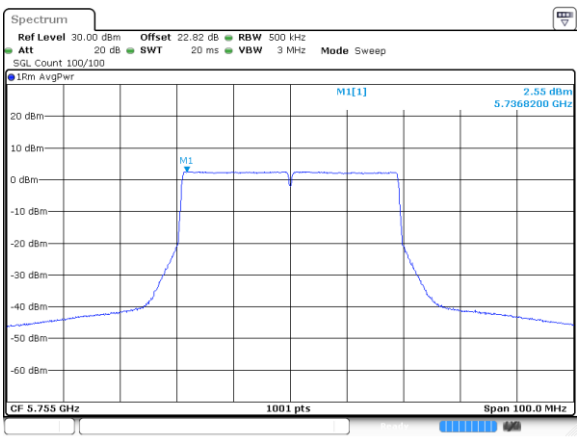
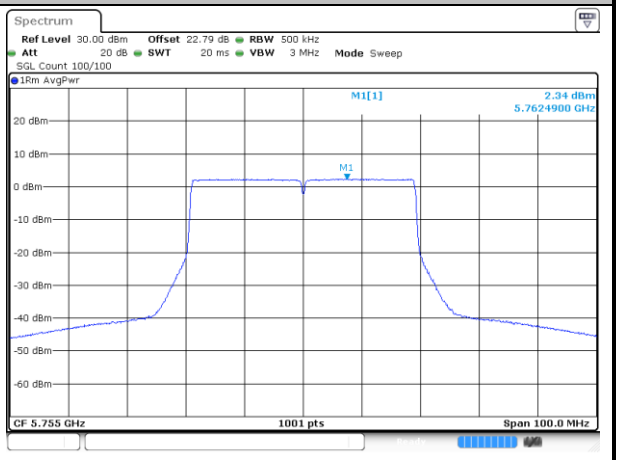
<802.11a>

Maximum Power Density Plot (dBm/500kHz)	
MIMO Ant. D	**MIMO Ant. B**
	
MIMO Ant. C	**MIMO Ant. A**
	

<802.11be EHT20>

Maximum Power Density Plot (dBm/500kHz)	
MIMO Ant. D	**MIMO Ant. B**
	
MIMO Ant. C	**MIMO Ant. A**
	

<802.11be EHT40>

Maximum Power Density Plot (dBm/500kHz)	
MIMO Ant. D	**MIMO Ant. B**
 Date: 4.FEB.2025 00:11:16	 Date: 4.FEB.2025 00:07:55
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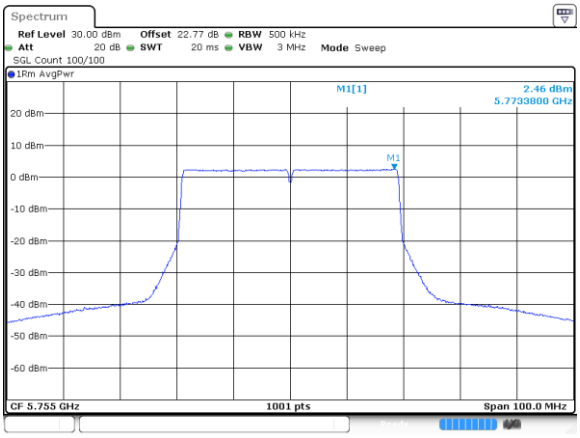
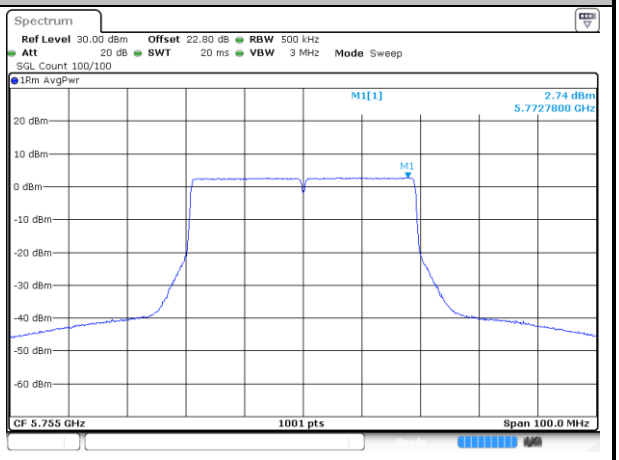
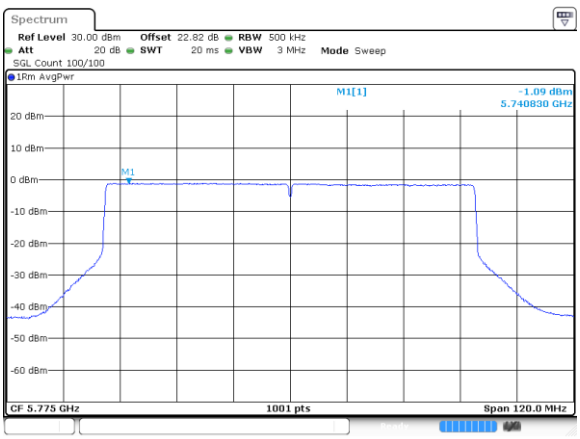
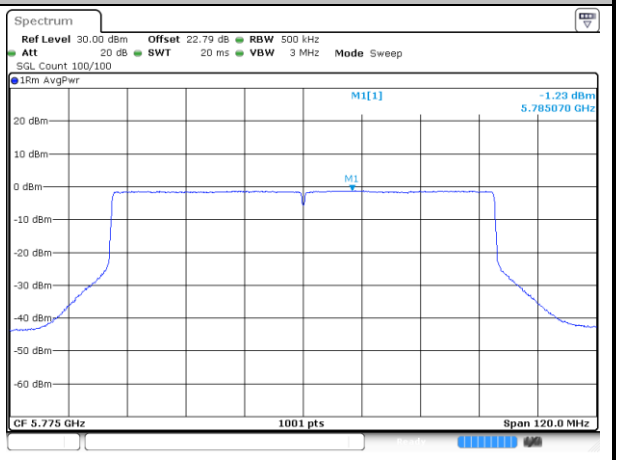
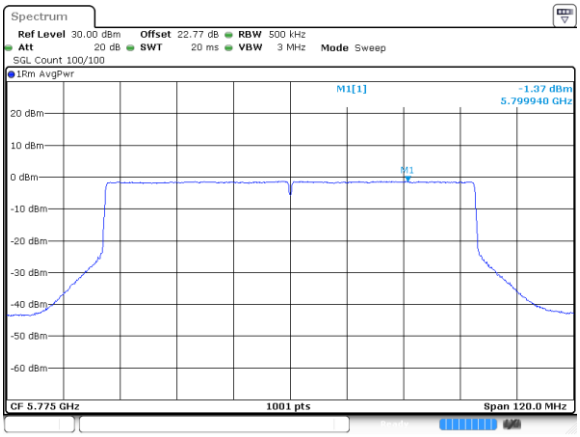
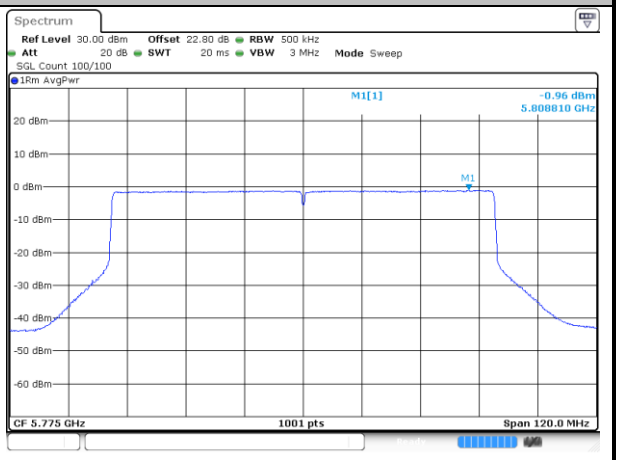
 Date: 4.FEB.2025 00:05:02	 Date: 4.FEB.2025 00:01:26

<802.11be EHT80>

Maximum Power Density Plot (dBm/500kHz)	
MIMO Ant. D	**MIMO Ant. B**
	
MIMO Ant. C	**MIMO Ant. A**
	

Appendix B. Radiated Spurious Emission Test Data

Test Engineer :	Ken Kuo and Edward Liao	**Temperature :**	21.1~23.9°C
		Relative Humidity :	42.1~53.6%

Note symbol

-L	**Low channel location**
-R	**High channel location**

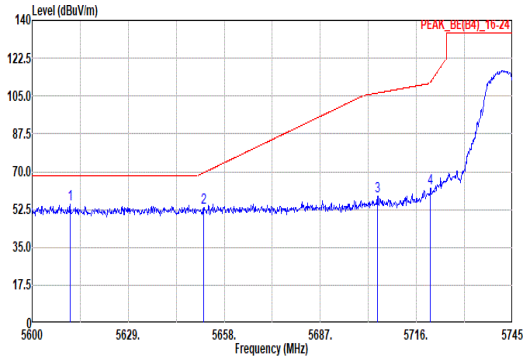
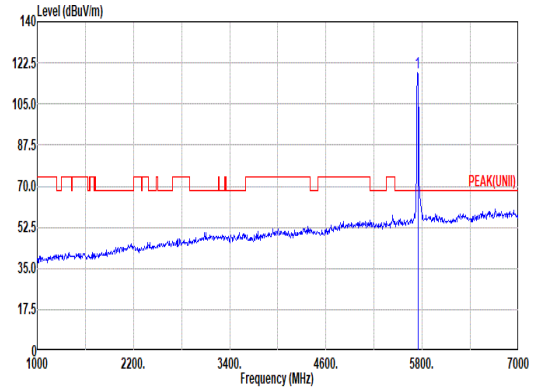
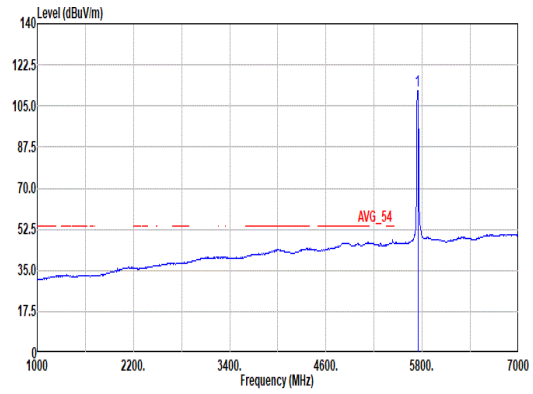
B1. Radiated Spurious Emission Test Modes

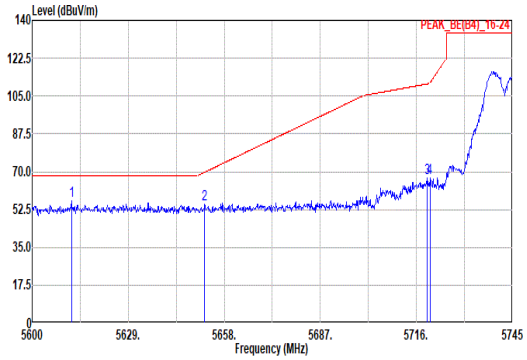
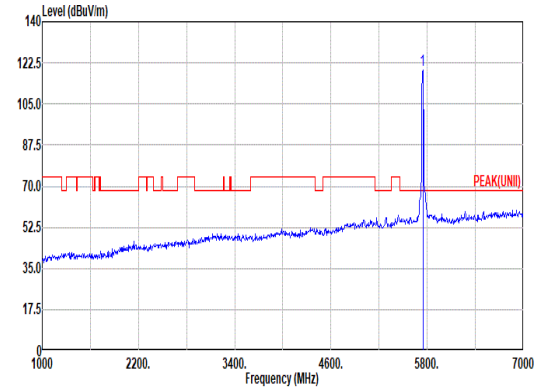
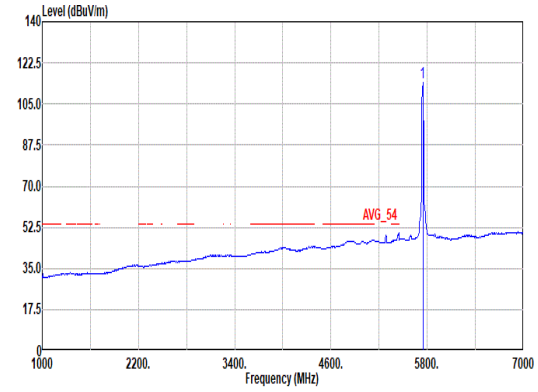
Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	U-NII-3	5.725-5.85	D+B+C+A	802.11a	149	5745	6Mbps	-	-
Mode 2	U-NII-3	5.725-5.85	D+B+C+A	802.11a	157	5785	6Mbps	-	-
Mode 3	U-NII-3	5.725-5.85	D+B+C+A	802.11a	165	5825	6Mbps	-	-
Mode 4	U-NII-3	5.725-5.85	D+B+C+A	802.11be EHT20	149	5745	MCS0	-	-
Mode 5	U-NII-3	5.725-5.85	D+B+C+A	802.11be EHT20	157	5785	MCS0	-	-
Mode 6	U-NII-3	5.725-5.85	D+B+C+A	802.11be EHT20	165	5825	MCS0	-	-
Mode 7	U-NII-3	5.725-5.85	D+B+C+A	802.11be EHT40	151	5755	MCS0	-	-
Mode 8	U-NII-3	5.725-5.85	D+B+C+A	802.11be EHT40	159	5795	MCS0	-	-
Mode 9	U-NII-3	5.725-5.85	D+B+C+A	802.11be EHT80	155	5775	MCS0	-	-
Mode 10	U-NII-3	5.725-5.85	D+B+C+A	802.11be EHT80	155	5775	MCS0	-	LF
Mode 11	U-NII-3	5.725-5.85	D+B+C+A	802.11be EHT80	155	5775	MCS0	-	SHF

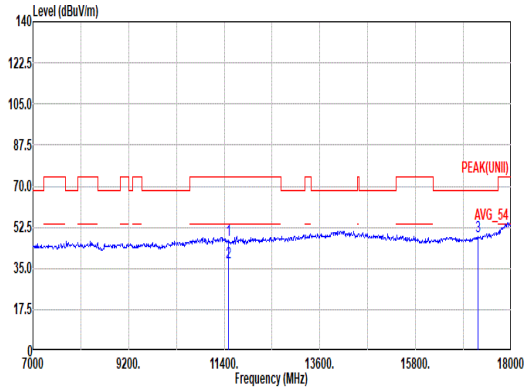
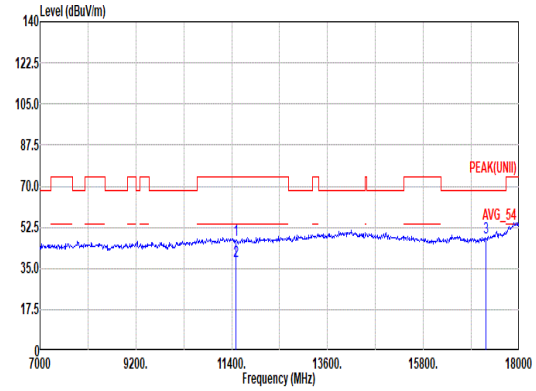
B2. Summary of each worse mode

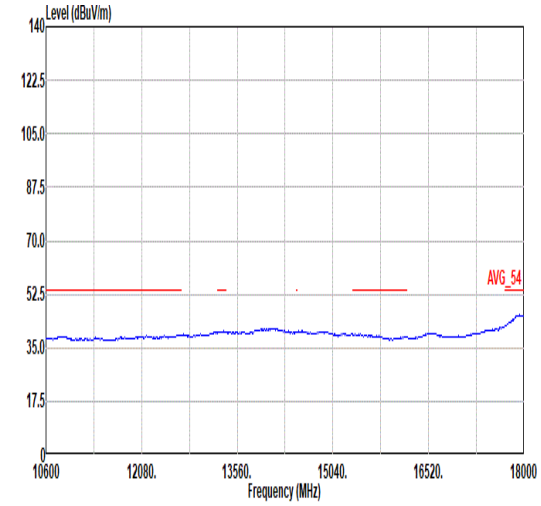
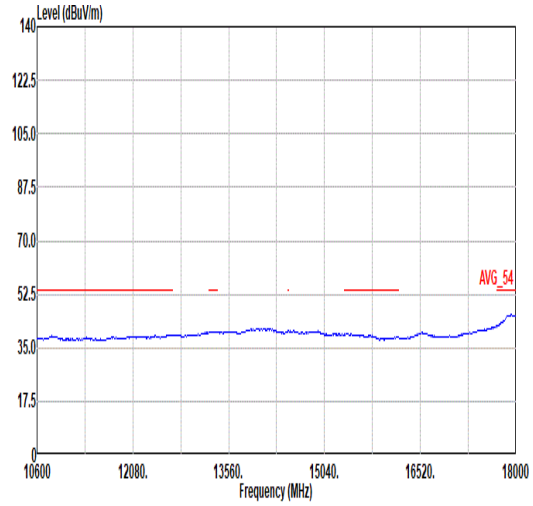
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
1	802.11a	149	5611.89	56.67	68.20	-11.53	V	Peak	Pass	-	Band Edge
	802.11a	149	11490.00	37.78	54.00	-16.22	V	Avg.	Pass	-	Harmonic
2	802.11a	157	-	-	-	-	-	-	-	-	Band Edge
	802.11a	157	11570.00	37.05	54.00	-16.95	H	Avg.	Pass	-	Harmonic
3	802.11a	165	5945.75	55.49	68.20	-12.71	H	Peak	Pass	-	Band Edge
	802.11a	165	11650.00	38.33	54.00	-15.67	H	Avg.	Pass	-	Harmonic
4	802.11be EHT20	149	5605.37	55.58	68.20	-12.62	V	Peak	Pass	-	Band Edge
	802.11be EHT20	149	11490.00	37.51	54.00	-16.49	V	Avg.	Pass	-	Harmonic
5	802.11be EHT20	157	5637.93	55.45	68.20	-12.75	V	Peak	Pass	-	Band Edge
	802.11be EHT20	157	11570.00	37.38	54.00	-16.62	V	Avg.	Pass	-	Harmonic
6	802.11be EHT20	165	5935.13	55.77	68.20	-12.43	V	Peak	Pass	-	Band Edge

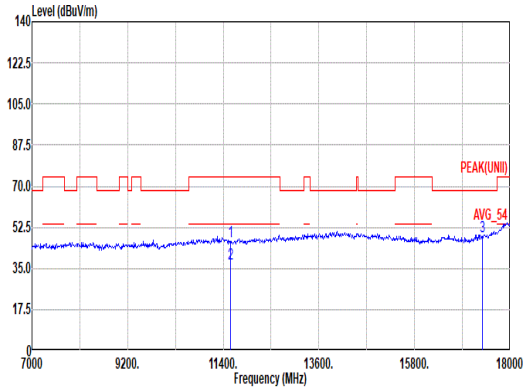
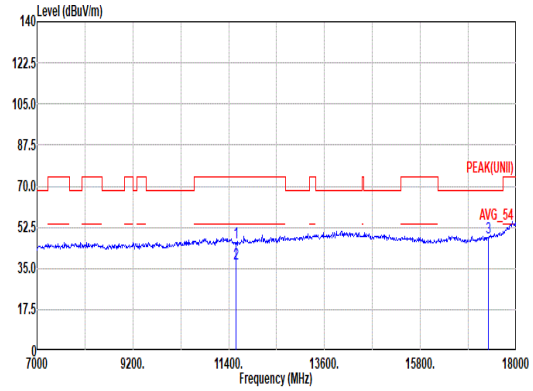
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
6	802.11be EHT20	165	11650.00	37.61	54.00	-16.39	V	Avg.	Pass	-	Harmonic
7	802.11be EHT40	151	5602.48	57.02	68.20	-11.18	V	Peak	Pass	-	Band Edge
	802.11be EHT40	151	11510.00	37.88	54.00	-16.12	V	Avg.	Pass	-	Harmonic
8	802.11be EHT40	159	5939.93	55.29	68.20	-12.91	V	Peak	Pass	-	Band Edge
	802.11be EHT40	159	11590.00	38.26	54.00	-15.74	V	Avg.	Pass	-	Harmonic
9	802.11be EHT80	155	5647.78	59.03	68.20	-9.17	V	Peak	Pass	-	Band Edge
	802.11be EHT80	155	11550.00	38.66	54.00	-15.34	H	Avg.	Pass	-	Harmonic
10	LF	155	46.49	31.66	40.00	-8.34	V	Peak	Pass	-	LF
11	SHF	155	39274.00	54.44	74.00	-19.56	V	Peak	Pass	-	SHF

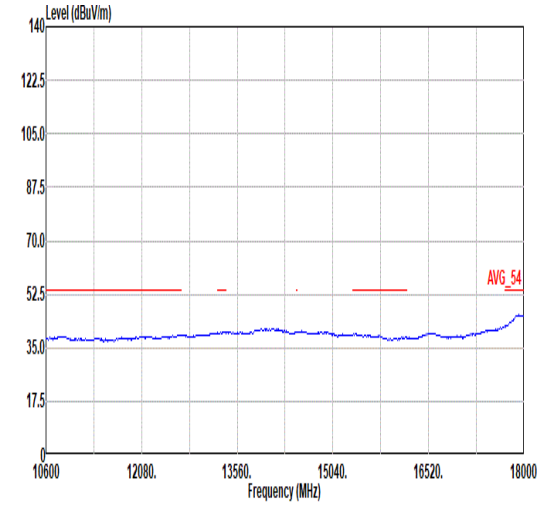
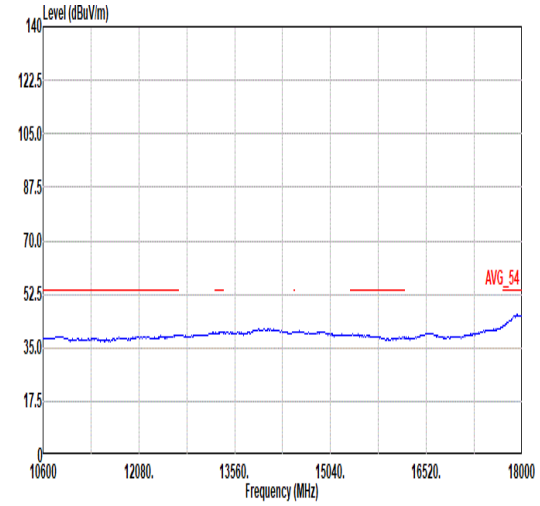
Mode	1	
	Band Edge	
	U-NII-3_5.725-5.85_ 802.11a_CH149_5745MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5611.46 55.19 68.20 -13.01 39.39 33.08 12.65 29.93 0.00 232 113 PEAK 2 5651.77 53.43 69.51 -16.08 37.53 33.15 12.70 29.95 0.00 232 113 PEAK 3 5704.26 58.50 106.39 -47.89 42.33 33.35 12.77 29.95 0.00 232 113 PEAK 4 5720.21 62.55 111.27 -48.72 46.27 33.44 12.79 29.95 0.00 232 113 PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 118.20 ------ ------ 101.79 33.56 12.81 29.96 0.00 232 113 PEAK
Avg	Blank	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 111.70 ------ ------ 95.29 33.56 12.81 29.96 0.00 232 113 AVERAGE

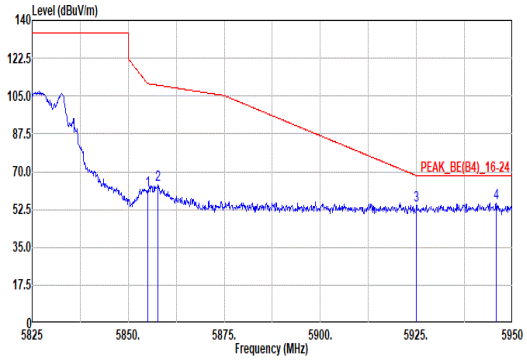
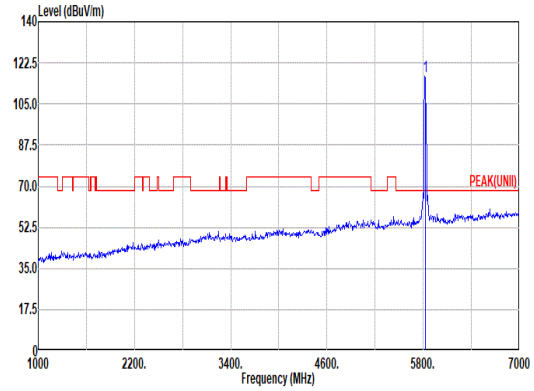
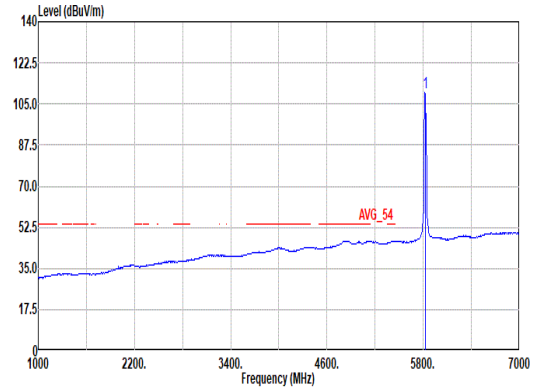
Mode	1	
	Band Edge	
	U-NII-3_5.725-5.85_ 802.11a_CH149_5745MHz	
ANT	D+B+C+A	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5611.89 56.67 68.20 -11.53 40.86 33.09 12.65 29.93 0.00 300 284 PEAK 2 5652.06 54.87 69.73 -14.86 38.96 33.15 12.71 29.95 0.00 300 284 PEAK 3 5719.34 67.10 110.61 -43.51 50.82 33.44 12.79 29.95 0.00 300 284 PEAK 4 5720.06 66.85 110.94 -44.09 50.57 33.44 12.79 29.95 0.00 300 284 PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 119.65 ------ ------ 103.19 33.60 12.82 29.96 0.00 300 284 PEAK
Avg	Blank	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 113.99 ------ ------ 97.53 33.60 12.82 29.96 0.00 300 284 AVERAGE

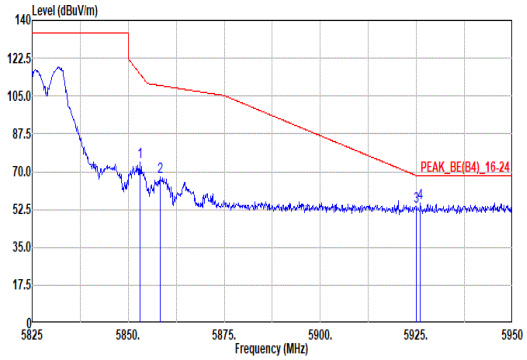
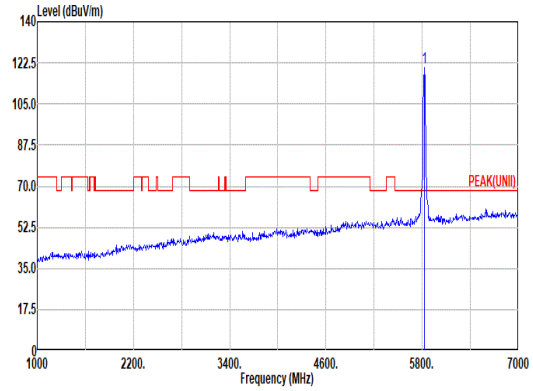
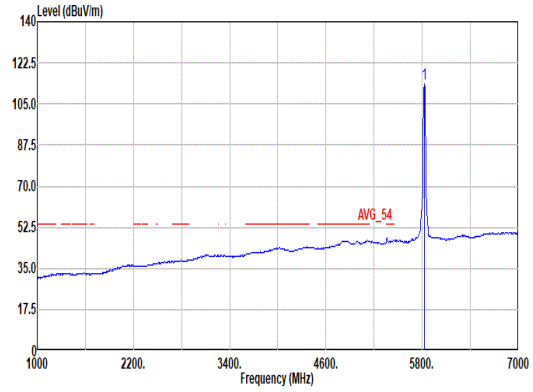
Mode	1	
	Harmonic	
	U-NII-3_5.725-5.85_ 802.11a_CH149_5745MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11490.00 47.11 74.00 -26.89 56.68 39.19 18.44 67.48 0.28 -- -- PEAK 2 11490.00 37.55 54.00 -16.45 47.12 39.19 18.44 67.48 0.28 -- -- Average 3 17235.00 48.62 68.20 -19.58 54.70 38.39 23.01 67.81 0.33 -- -- PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11490.00 47.12 74.00 -26.88 56.69 39.19 18.44 67.48 0.28 -- -- PEAK 2 11490.00 37.78 54.00 -16.22 47.35 39.19 18.44 67.48 0.28 -- -- Average 3 17235.00 47.83 68.20 -20.37 53.91 38.39 23.01 67.81 0.33 -- -- PEAK

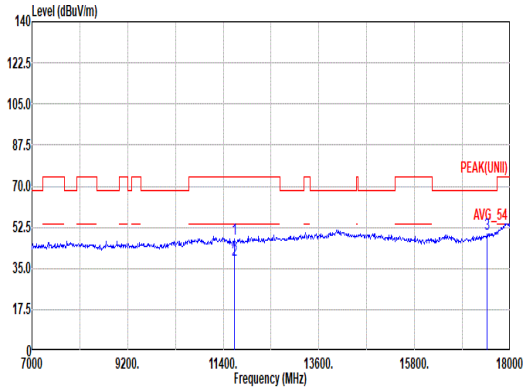
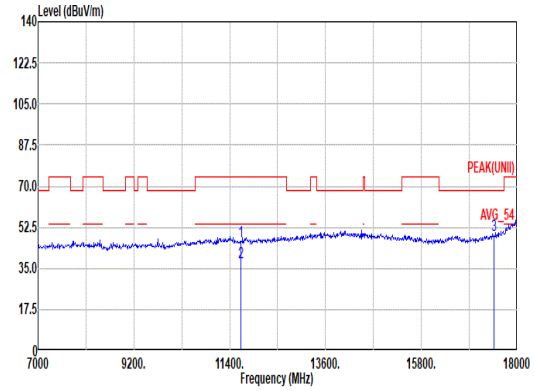
Mode	1	
	Harmonic	
	U-NII-3_5.725-5.85_ 802.11a_CH149_5745MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 HORIZONTAL	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 VERTICAL

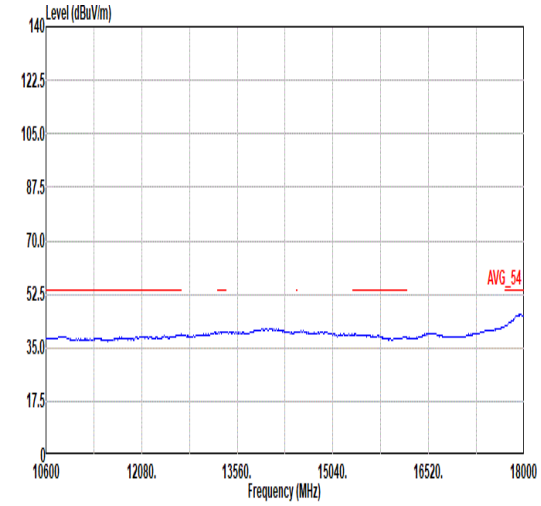
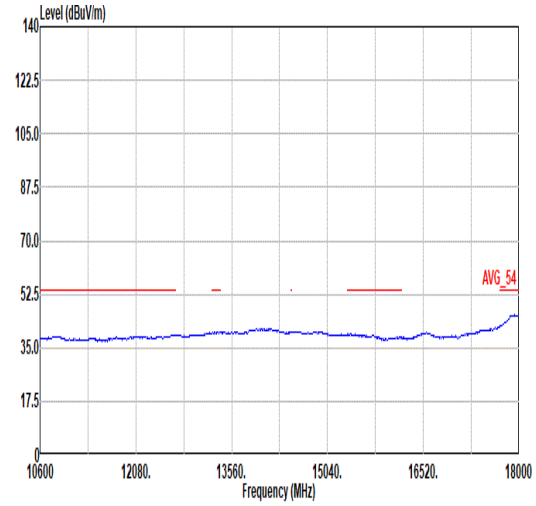
Mode	2	
	Harmonic	
	U-NII-3_5.725-5.85_ 802.11a_CH157_5785MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11570.00 46.59 74.00 -27.41 56.09 39.04 18.51 67.32 0.27 -- -- PEAK 2 11570.00 37.05 54.00 -16.95 46.55 39.04 18.51 67.32 0.27 -- -- Average 3 17355.00 48.74 68.20 -19.46 54.53 38.67 23.13 67.91 0.32 -- -- PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11570.00 46.17 74.00 -27.83 55.67 39.04 18.51 67.32 0.27 -- -- PEAK 2 11570.00 36.72 54.00 -17.28 46.22 39.04 18.51 67.32 0.27 -- -- Average 3 17355.00 48.32 68.20 -19.88 54.11 38.67 23.13 67.91 0.32 -- -- PEAK

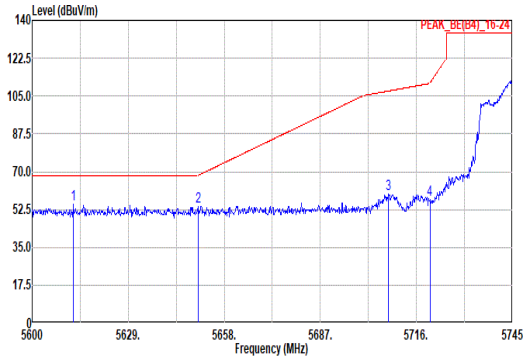
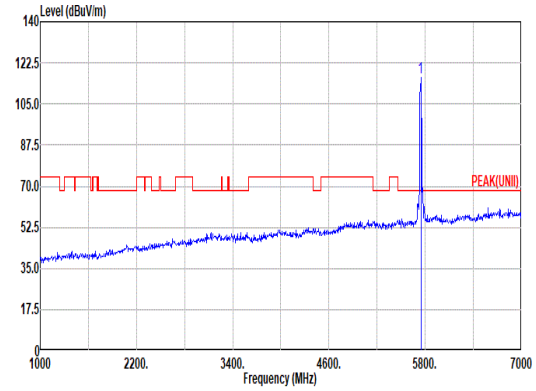
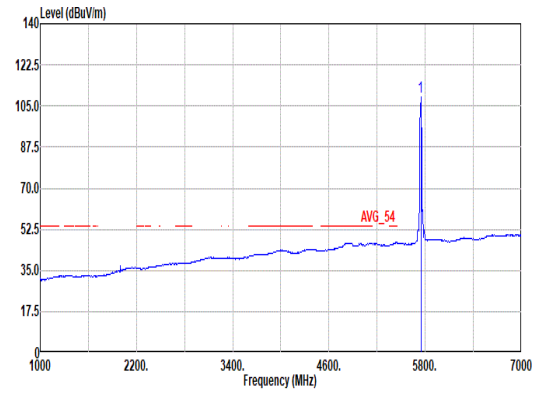
Mode	2	
	Harmonic	
	U-NII-3_5.725-5.85_ 802.11a_CH157_5785MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Vertical
10.6G ~18G Avg		

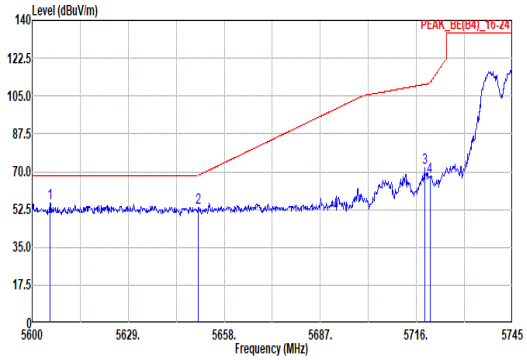
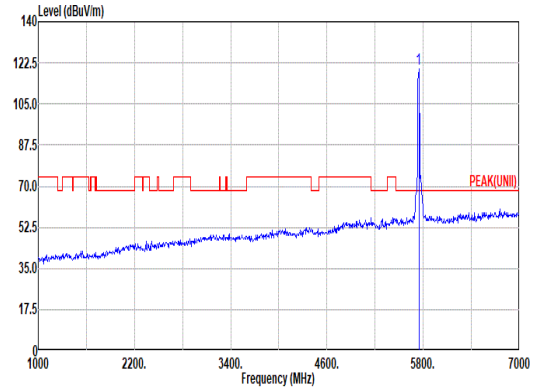
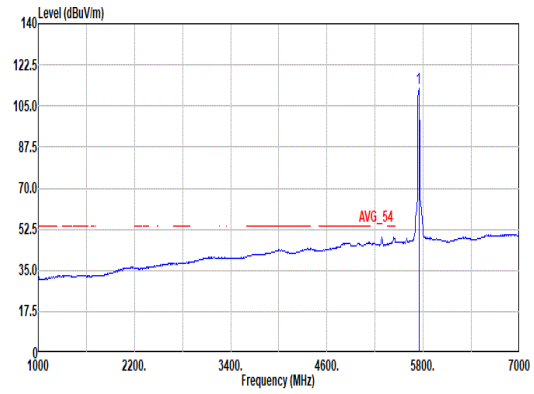
Mode	3	
	Band Edge	
	U-NII-3_5.725-5.85_ 802.11a_CH165_5825MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5855.00 61.34 110.80 -49.46 44.32 34.08 12.95 30.01 0.00 101 120 PEAK 2 5857.75 64.00 110.03 -46.03 46.97 34.09 12.95 30.01 0.00 101 120 PEAK 3 5925.00 54.19 68.20 -14.01 37.00 34.19 13.02 30.02 0.00 101 120 PEAK 4 5945.75 55.49 68.20 -12.71 38.28 34.20 13.04 30.03 0.00 101 120 PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5825.00 116.98 ------ ------ 100.04 34.01 12.91 29.98 0.00 101 120 PEAK
Avg	Blank	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto 1 5825.00 109.74 ------ ------ 92.80 34.01 12.91 29.98 0.00 101 120 AVERAGE

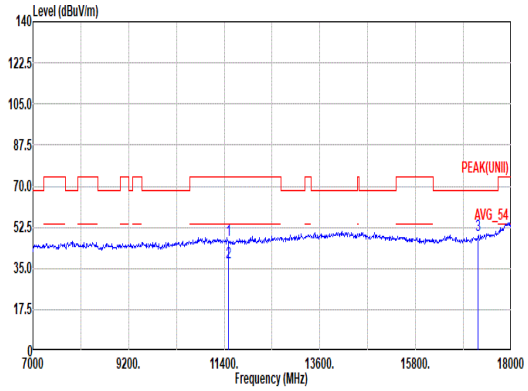
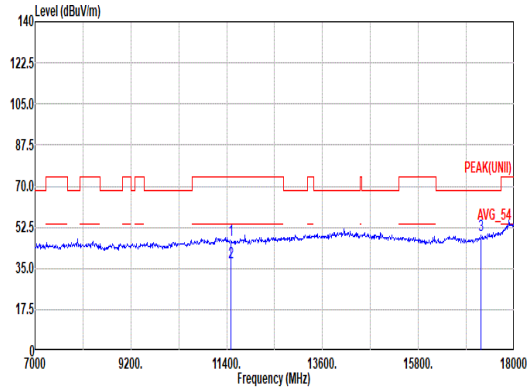
Mode	3	
	Band Edge	
	U-NII-3_5.725-5.85_ 802.11a_CH165_5825MHz	
ANT	D+B+C+A	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5853.00 74.28 115.36 -41.08 57.26 34.08 12.95 30.01 0.00 300 12 PEAK 2 5858.25 67.59 109.89 -42.30 50.56 34.09 12.95 30.01 0.00 300 12 PEAK 3 5924.88 53.75 68.29 -14.54 36.56 34.19 13.02 30.02 0.00 300 12 PEAK 4 5926.00 55.27 68.20 -12.93 38.08 34.19 13.02 30.02 0.00 300 12 PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 120.26 ------ ------ 103.30 34.03 12.92 29.99 0.00 300 12 PEAK
Avg	Blank	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 113.33 ------ ------ 96.37 34.03 12.92 29.99 0.00 300 12 AVERAGE

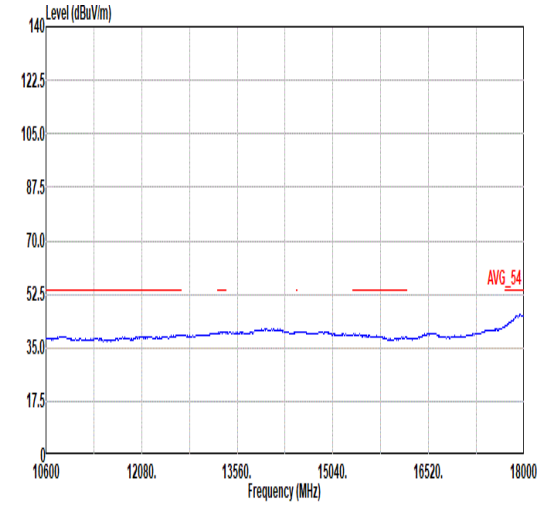
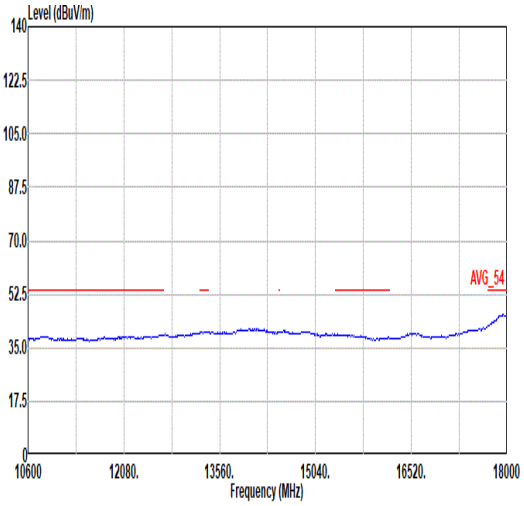
Mode	3	
	Harmonic	
	U-NII-3_5.725-5.85_ 802.11a_CH165_5825MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11650.00 47.65 74.00 -26.35 57.24 38.82 18.58 67.25 0.26 -- -- PEAK 2 11650.00 38.33 54.00 -15.67 47.92 38.82 18.58 67.25 0.26 -- -- Average 3 17475.00 49.90 68.20 -18.30 55.26 39.17 23.25 68.10 0.32 -- -- PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11650.00 46.73 74.00 -27.27 56.32 38.82 18.58 67.25 0.26 -- -- PEAK 2 11650.00 37.32 54.00 -16.68 46.91 38.82 18.58 67.25 0.26 -- -- Average 3 17475.00 49.20 68.20 -19.00 54.56 39.17 23.25 68.10 0.32 -- -- PEAK

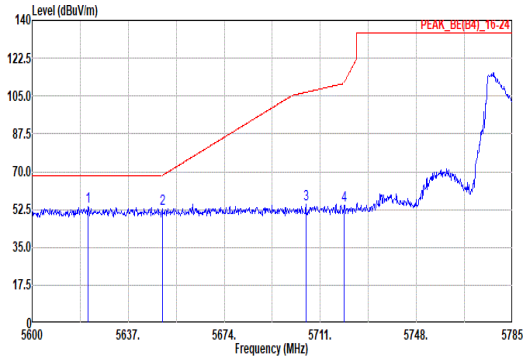
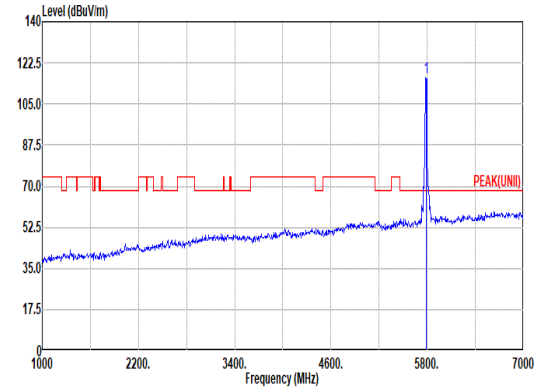
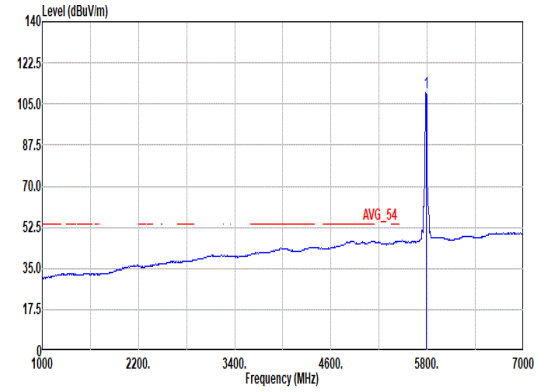
Mode	3	
	Harmonic	
	U-NII-3_5.725-5.85_ 802.11a_CH165_5825MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 HORIZONTAL	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 VERTICAL

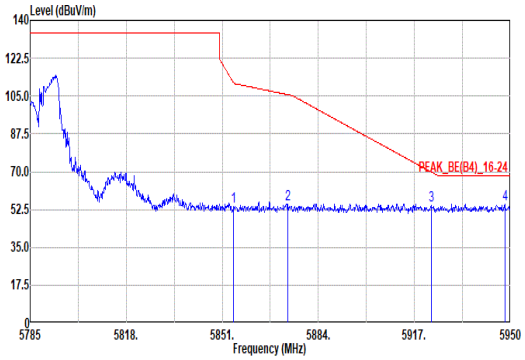
Mode	4	
	Band Edge	
	U-NII-3_5.725-5.85_802.11be EHT20_CH149_5745MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5612.47 54.71 68.20 -13.49 38.89 33.09 12.66 29.93 0.00 277 323 PEAK 2 5650.03 53.91 68.22 -14.31 38.01 33.15 12.70 29.95 0.00 277 323 PEAK 3 5707.59 59.52 107.33 -47.81 43.33 33.37 12.77 29.95 0.00 277 323 PEAK 4 5720.06 56.96 110.94 -53.98 40.68 33.44 12.79 29.95 0.00 277 323 PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 116.27 ------ ------ 99.81 33.60 12.82 29.96 0.00 277 323 PEAK
Avg	Blank	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 109.09 ------ ------ 92.63 33.60 12.82 29.96 0.00 277 323 AVERAGE

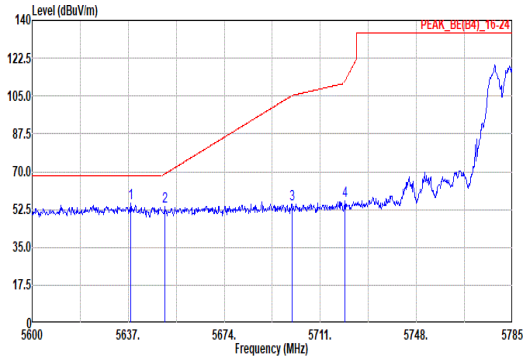
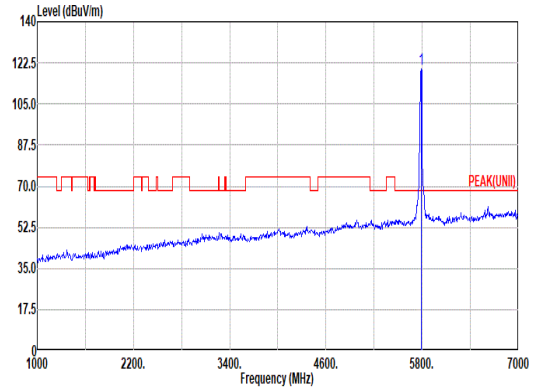
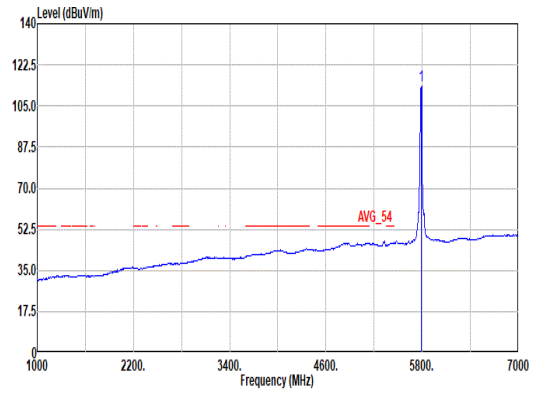
Mode	4	
	Band Edge	
	U-NII-3_5.725-5.85_802.11be EHT20_CH149_5745MHz	
ANT	D+B+C+A	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark 1 5605.37 55.58 68.20 -12.62 39.78 33.08 12.65 29.93 0.00 300 289 PEAK 2 5650.17 53.20 68.33 -15.13 37.30 33.15 12.70 29.95 0.00 300 289 PEAK 3 5718.47 72.03 110.37 -38.34 55.76 33.43 12.79 29.95 0.00 300 289 PEAK 4 5720.06 67.63 110.94 -43.31 51.35 33.44 12.79 29.95 0.00 300 289 PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark 1 5745.00 120.19 ------ ------ 103.73 33.60 12.82 29.96 0.00 300 289 PEAK
Avg	Blank	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark 1 5745.00 112.69 ------ ------ 96.23 33.60 12.82 29.96 0.00 300 289 AVERAGE

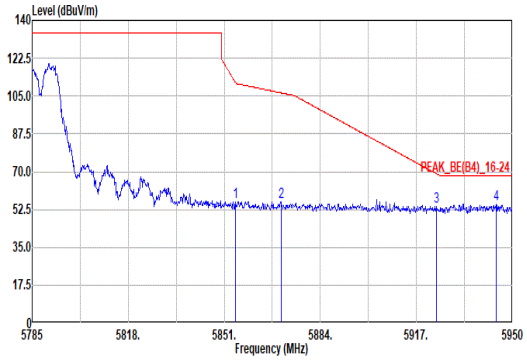
Mode	4	
	Harmonic	
	U-NII-3_5.725-5.85_802.11be EHT20_CH149_5745MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 HORIZONTAL Mode : 4 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11490.00 46.87 74.00 -27.13 56.44 39.19 18.44 67.48 0.28 -- -- PEAK 2 11490.00 37.26 54.00 -16.74 46.83 39.19 18.44 67.48 0.28 -- -- Average 3 17235.00 48.89 68.20 -19.31 54.97 38.39 23.01 67.81 0.33 -- -- PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 VERTICAL Mode : 4 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11490.00 47.09 74.00 -26.91 56.66 39.19 18.44 67.48 0.28 -- -- PEAK 2 11490.00 37.51 54.00 -16.49 47.08 39.19 18.44 67.48 0.28 -- -- Average 3 17235.00 48.89 68.20 -19.31 54.97 38.39 23.01 67.81 0.33 -- -- PEAK

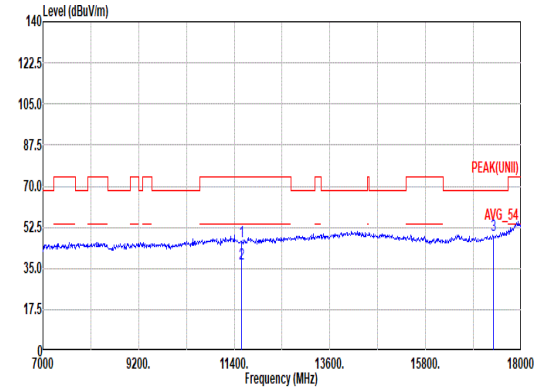
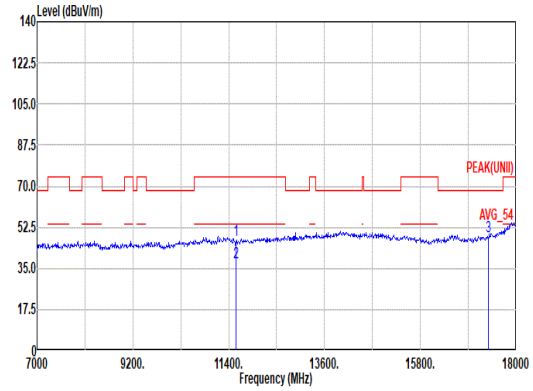
Mode	4	
	Harmonic	
	U-NII-3_5.725-5.85_802.11be EHT20_CH149_5745MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 HORIZONTAL Mode : 4	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 VERTICAL Mode : 4

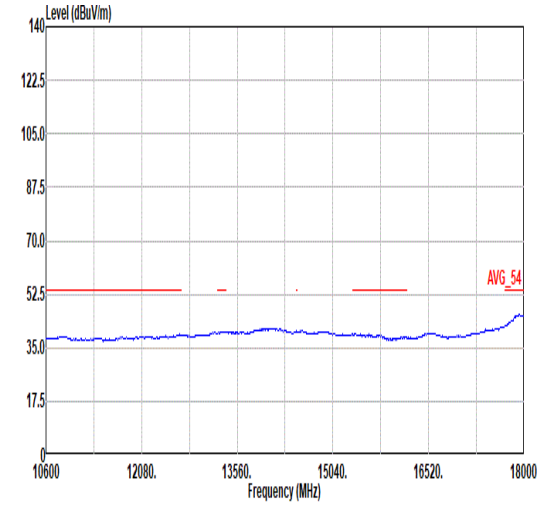
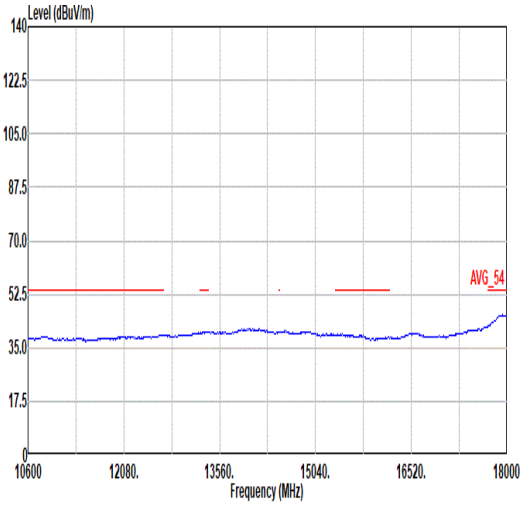
Mode	5	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11be EHT20_CH157_5785MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5621.65 53.89 68.20 -14.31 38.06 33.10 12.67 29.94 0.00 153 158 PEAK 2 5650.14 52.68 68.30 -15.62 36.78 33.15 12.70 29.95 0.00 153 158 PEAK 3 5705.45 54.80 106.73 -51.93 38.62 33.36 12.77 29.95 0.00 153 158 PEAK 4 5720.25 54.50 111.37 -56.87 38.22 33.44 12.79 29.95 0.00 153 158 PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5785.00 116.39 ------ ------ 99.70 33.80 12.86 29.97 0.00 153 158 PEAK
Avg	Blank	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5785.00 109.63 ------ ------ 92.94 33.80 12.86 29.97 0.00 153 158 AVERAGE

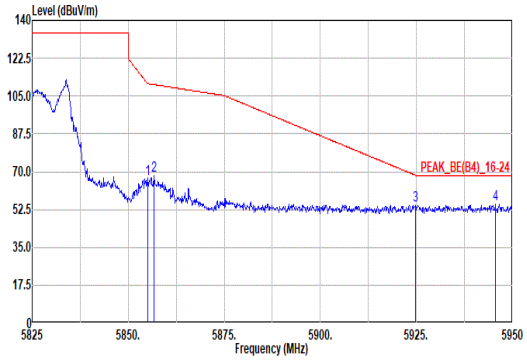
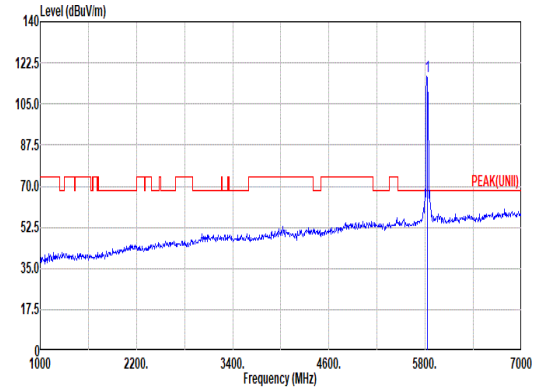
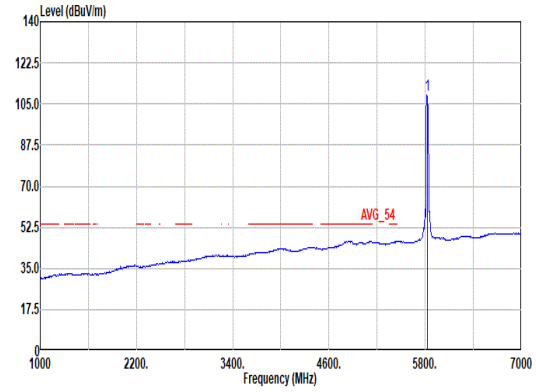
Mode	5	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11be EHT20_CH157_5785MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.96 53.74 110.89 -57.15 36.72 34.08 12.95 30.01 0.00 153 158 PEAK 2 5873.61 55.20 105.59 -50.39 38.12 34.12 12.97 30.01 0.00 153 158 PEAK 3 5922.78 54.55 69.84 -15.29 37.36 34.19 13.02 30.02 0.00 153 158 PEAK 4 5948.02 54.91 68.20 -13.29 37.68 34.21 13.05 30.03 0.00 153 158 PEAK	Blank

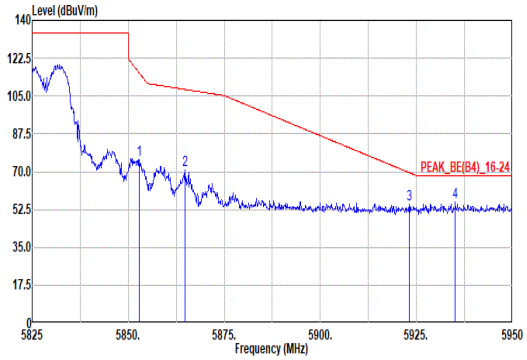
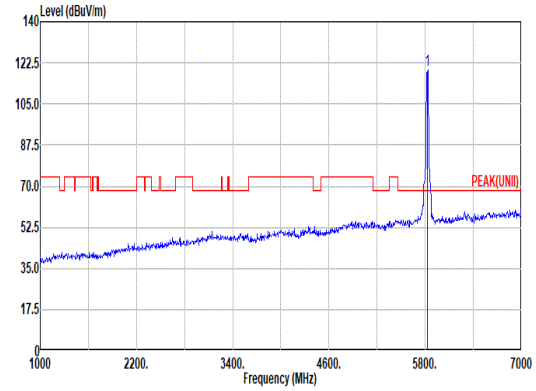
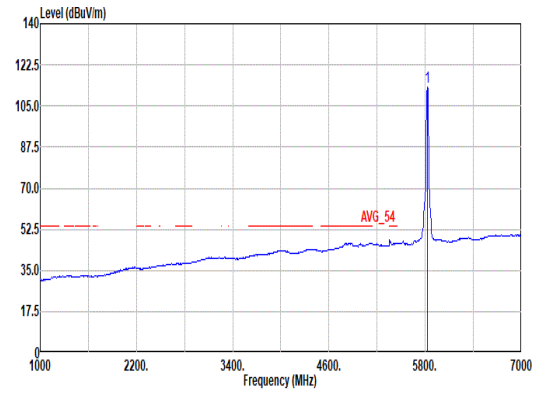
Mode	5	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11be EHT20_CH157_5785MHz	
ANT	D+B+C+A	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5637.93 55.45 68.20 -12.75 39.58 33.13 12.69 29.95 0.00 268 17 PEAK 2 5651.25 53.68 69.13 -15.45 37.78 33.15 12.70 29.95 0.00 268 17 PEAK 3 5700.09 54.77 105.22 -50.45 38.63 33.32 12.77 29.95 0.00 268 17 PEAK 4 5720.44 56.62 111.79 -55.17 40.34 33.44 12.79 29.95 0.00 268 17 PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5785.00 119.70 ------ ------ 102.91 33.88 12.88 29.97 0.00 268 17 PEAK
Avg	Blank	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5785.00 113.57 ------ ------ 96.73 33.93 12.88 29.97 0.00 268 17 AVERAGE

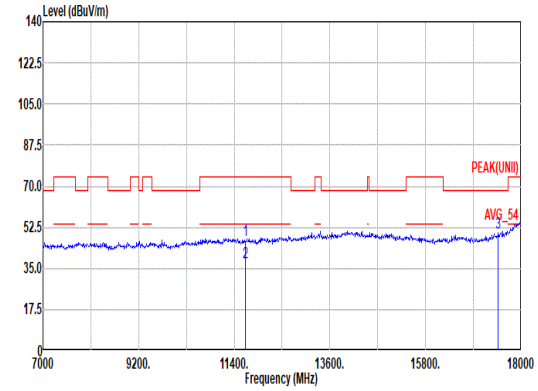
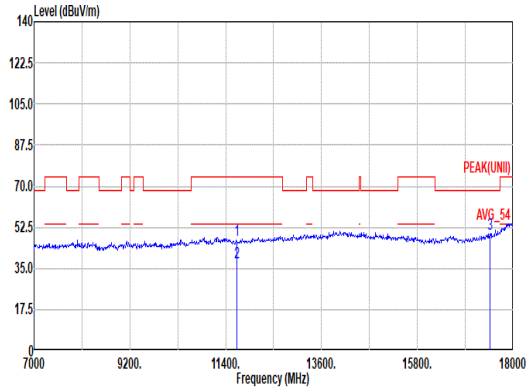
Mode	5	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11be EHT20_CH157_5785MHz	
ANT	D+B+C+A	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.96 55.96 110.89 -54.93 38.94 34.08 12.95 30.01 0.00 268 17 PEAK 2 5870.47 56.06 106.47 -50.41 39.00 34.11 12.96 30.01 0.00 268 17 PEAK 3 5923.93 53.86 68.99 -15.13 36.67 34.19 13.02 30.02 0.00 268 17 PEAK 4 5944.39 54.89 68.20 -13.31 37.68 34.20 13.04 30.03 0.00 268 17 PEAK	Blank

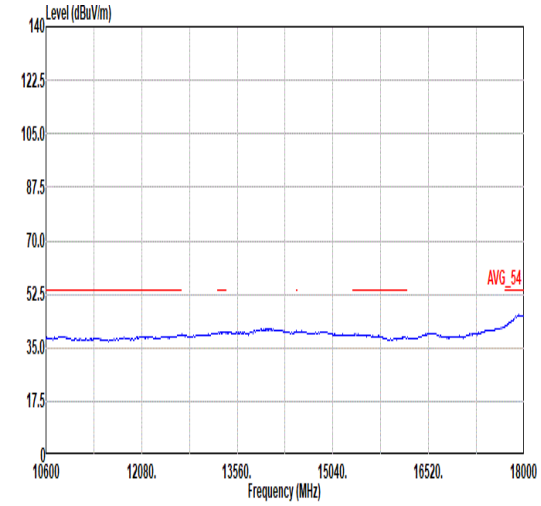
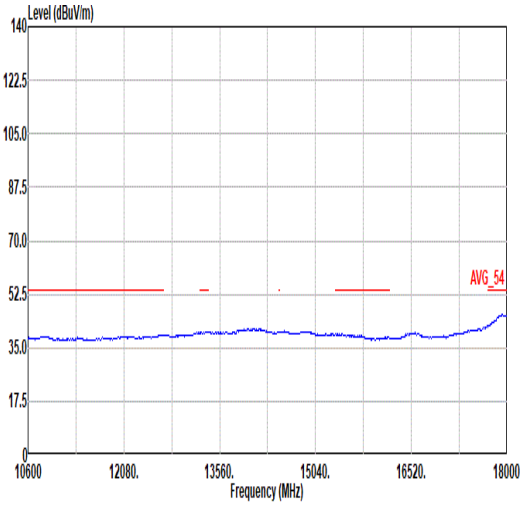
Mode	5	
	Harmonic	
	U-NII-3_5.725-5.85_802.11be EHT20_CH157_5785MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 HORIZONTAL Mode : 5 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11570.00 46.62 74.00 -27.38 56.12 39.04 18.51 67.32 0.27 -- -- PEAK 2 11570.00 37.20 54.00 -16.80 46.70 39.04 18.51 67.32 0.27 -- -- Average 3 17355.00 48.92 68.20 -19.28 54.71 38.67 23.13 67.91 0.32 -- -- PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 VERTICAL Mode : 5 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11570.00 46.90 74.00 -27.10 56.40 39.04 18.51 67.32 0.27 -- -- PEAK 2 11570.00 37.38 54.00 -16.62 46.88 39.04 18.51 67.32 0.27 -- -- Average 3 17355.00 48.63 68.20 -19.57 54.42 38.67 23.13 67.91 0.32 -- -- PEAK

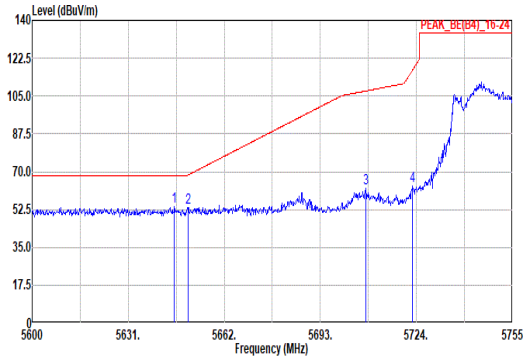
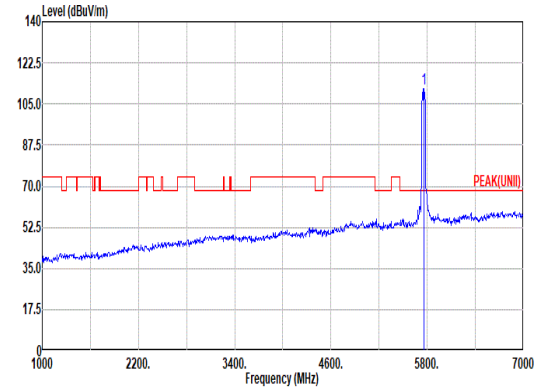
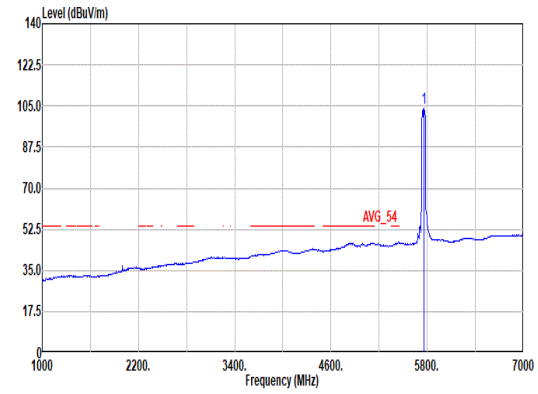
Mode	5	
	Harmonic	
	U-NII-3_5.725-5.85_802.11be EHT20_CH157_5785MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 HORIZONTAL Mode : 5	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 VERTICAL Mode : 5

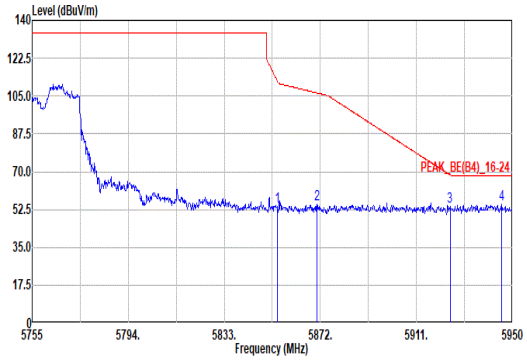
Mode	6	
	Band Edge	
	U-NII-3_5.725-5.85_802.11be EHT20_CH165_5825MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5855.00 66.39 110.80 -44.41 49.37 34.08 12.95 30.01 0.00 100 120 PEAK 2 5856.75 68.14 110.31 -42.17 51.11 34.09 12.95 30.01 0.00 100 120 PEAK 3 5924.75 54.31 68.38 -14.07 37.12 34.19 13.02 30.02 0.00 100 120 PEAK 4 5945.50 54.98 68.20 -13.22 37.77 34.20 13.04 30.03 0.00 100 120 PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 116.98 ------ ------ 100.04 34.01 12.91 29.98 0.00 100 120 PEAK
Avg	Blank	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 108.82 ------ ------ 91.88 34.01 12.91 29.98 0.00 100 120 AVERAGE

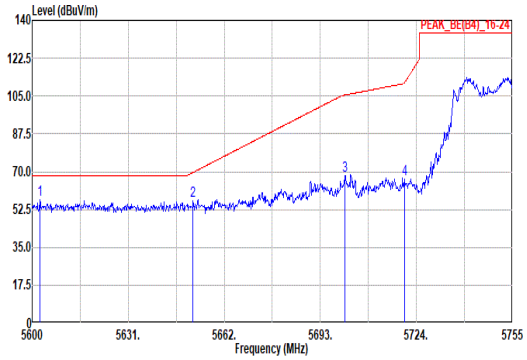
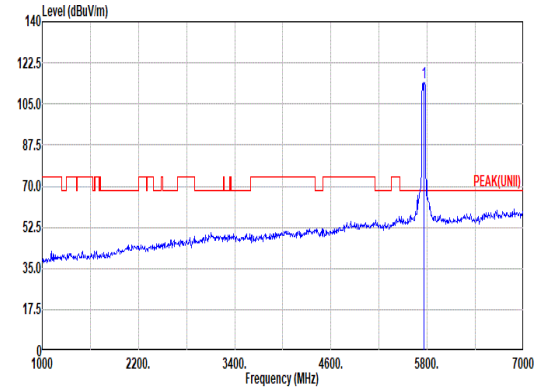
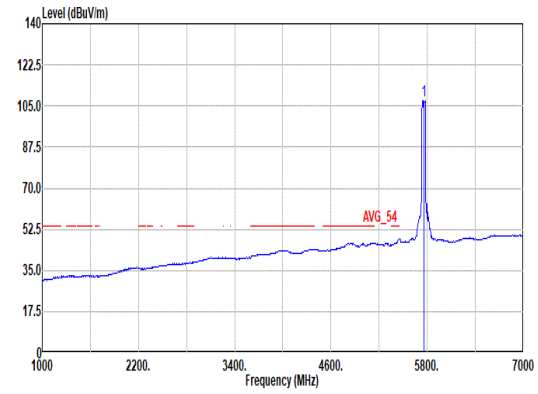
Mode	6	
	Band Edge	
	U-NII-3_5.725-5.85_802.11be EHT20_CH165_5825MHz	
ANT	D+B+C+A	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark 1 5852.88 75.39 115.64 -40.25 58.37 34.08 12.95 30.01 0.00 280 12 PEAK 2 5864.88 70.72 108.03 -37.31 53.67 34.10 12.96 30.01 0.00 280 12 PEAK 3 5923.13 55.04 69.58 -14.54 37.85 34.19 13.02 30.02 0.00 280 12 PEAK 4 5935.13 55.77 68.20 -12.43 38.56 34.20 13.03 30.02 0.00 280 12 PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark 1 5825.00 119.48 ------ ------ 102.51 34.04 12.93 30.00 0.00 280 12 PEAK
Avg	Blank	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark 1 5825.00 113.28 ------ ------ 96.32 34.03 12.92 29.99 0.00 280 12 AVERAGE

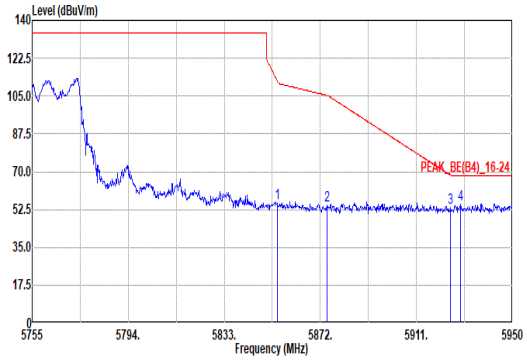
Mode	6	
	Harmonic	
	U-NII-3_5.725-5.85_802.11be EHT20_CH165_5825MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 HORIZONTAL Mode : 6 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11650.00 46.87 74.00 -27.13 56.46 38.82 18.58 67.25 0.26 -- -- PEAK 2 11650.00 37.53 54.00 -16.47 47.12 38.82 18.58 67.25 0.26 -- -- Average 3 17475.00 50.01 68.20 -18.19 55.37 39.17 23.25 68.10 0.32 -- -- PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 VERTICAL Mode : 6 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11650.00 46.94 74.00 -27.06 56.53 38.82 18.58 67.25 0.26 -- -- PEAK 2 11650.00 37.61 54.00 -16.39 47.20 38.82 18.58 67.25 0.26 -- -- Average 3 17475.00 49.57 68.20 -18.63 54.93 39.17 23.25 68.10 0.32 -- -- PEAK

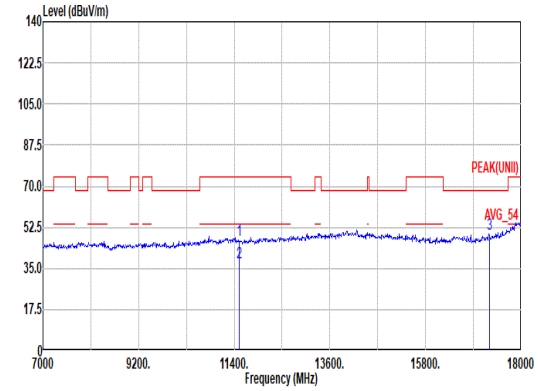
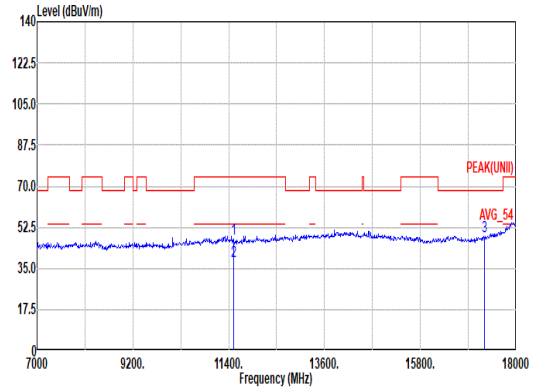
Mode	6	
	Harmonic	
	U-NII-3_5.725-5.85_802.11be EHT20_CH165_5825MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 HORIZONTAL Mode : 6	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 VERTICAL Mode : 6

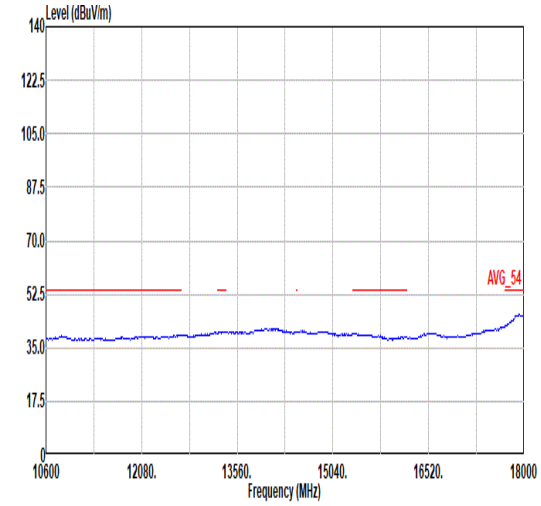
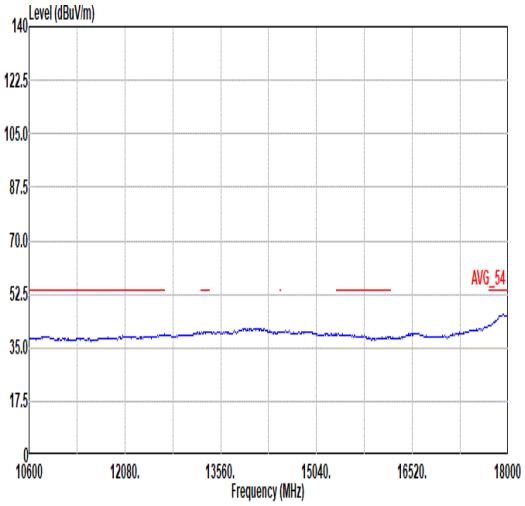
Mode	7	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11be EHT40_CH151_5755MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5645.88 54.06 68.20 -14.14 38.17 33.14 12.70 29.95 0.00 200 356 PEAK 2 5650.38 53.59 68.48 -14.89 37.69 33.15 12.70 29.95 0.00 200 356 PEAK 3 5707.57 62.28 107.32 -45.04 46.09 33.37 12.77 29.95 0.00 200 356 PEAK 4 5722.76 63.25 117.09 -53.84 46.95 33.46 12.79 29.95 0.00 200 356 PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5755.00 111.57 ------ ------ 94.96 33.72 12.85 29.96 0.00 200 356 PEAK
Avg	Blank	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5755.00 103.96 ------ ------ 87.35 33.72 12.85 29.96 0.00 200 356 AVERAGE

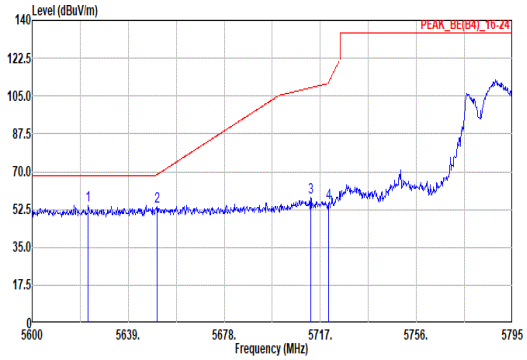
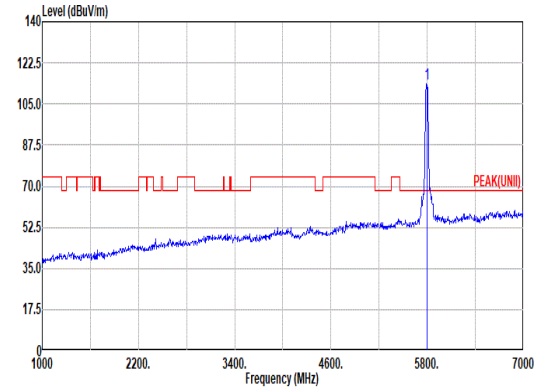
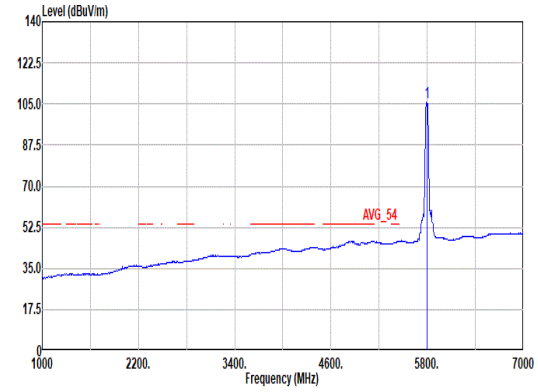
Mode	7	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11be EHT40_CH151_5755MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.65 53.89 111.61 -57.72 36.87 34.08 12.95 30.01 0.00 200 356 PEAK 2 5870.64 54.73 106.42 -51.69 37.67 34.11 12.96 30.01 0.00 200 356 PEAK 3 5924.65 53.89 68.46 -14.57 36.70 34.19 13.02 30.02 0.00 200 356 PEAK 4 5945.71 54.97 68.20 -13.23 37.76 34.20 13.04 30.03 0.00 200 356 PEAK	Blank

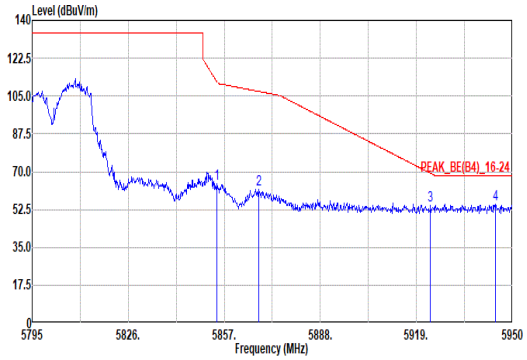
Mode	7	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11be EHT40_CH151_5755MHz	
ANT	D+B+C+A	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5602.48 57.02 68.20 -11.18 41.24 33.07 12.64 29.93 0.00 300 211 PEAK 2 5651.93 56.67 69.63 -12.96 40.77 33.15 12.70 29.95 0.00 300 211 PEAK 3 5700.91 68.06 105.45 -37.39 51.91 33.33 12.77 29.95 0.00 300 211 PEAK 4 5720.13 66.50 111.09 -44.59 50.22 33.44 12.79 29.95 0.00 300 211 PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5755.00 114.31 ------ ------ 97.66 33.76 12.85 29.96 0.00 300 211 PEAK
Avg	Blank	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5755.00 107.40 ------ ------ 90.90 33.63 12.83 29.96 0.00 300 211 AVERAGE

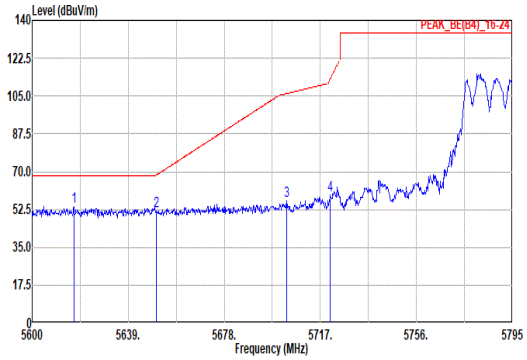
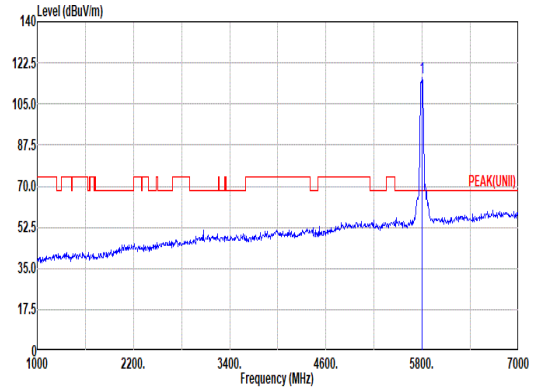
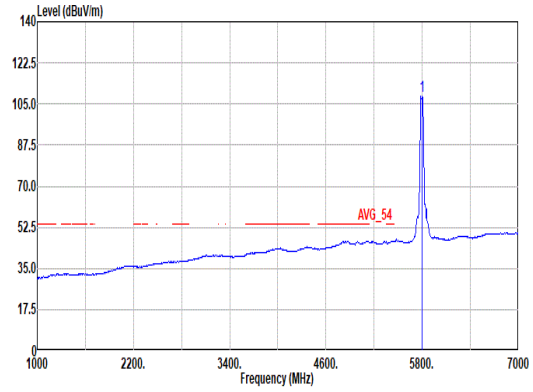
Mode	7	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11be EHT40_CH151_5755MHz	
ANT	D+B+C+A	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.45 55.32 112.05 -56.73 38.30 34.08 12.95 30.01 0.00 300 211 PEAK 2 5874.73 54.18 105.28 -51.10 37.10 34.12 12.97 30.01 0.00 300 211 PEAK 3 5924.85 53.15 68.31 -15.16 35.96 34.19 13.02 30.02 0.00 300 211 PEAK 4 5928.94 55.09 68.20 -13.11 37.89 34.19 13.03 30.02 0.00 300 211 PEAK	Blank

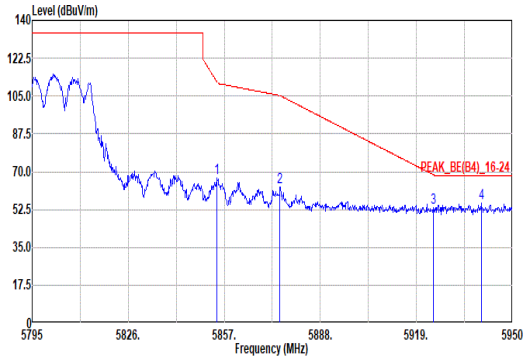
Mode	7	
	Harmonic	
	U-NII-3_5.725-5.85_802.11be EHT40_CH151_5755MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 HORIZONTAL Mode : 7 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11510.00 46.95 74.00 -27.05 56.52 39.14 18.46 67.44 0.27 -- -- PEAK 2 11510.00 37.63 54.00 -16.37 47.20 39.14 18.46 67.44 0.27 -- -- Average 3 17265.00 49.61 68.20 -18.59 55.63 38.44 23.04 67.83 0.33 -- -- PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 VERTICAL Mode : 7 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11510.00 47.29 74.00 -26.71 56.86 39.14 18.46 67.44 0.27 -- -- PEAK 2 11510.00 37.88 54.00 -16.12 47.45 39.14 18.46 67.44 0.27 -- -- Average 3 17265.00 48.61 68.20 -19.59 54.63 38.44 23.04 67.83 0.33 -- -- PEAK

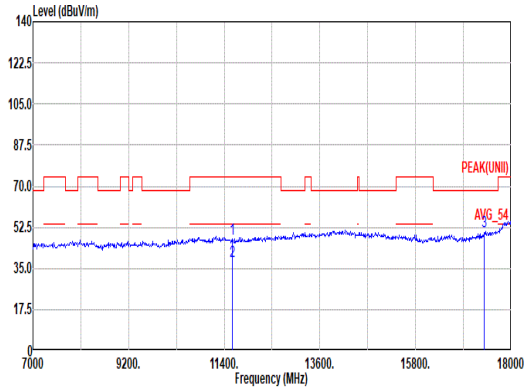
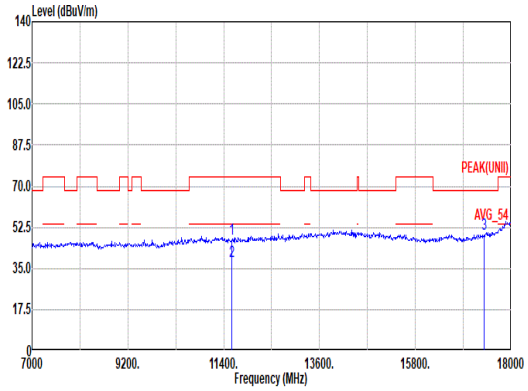
Mode	7	
	Harmonic	
	U-NII-3_5.725-5.85_802.11be EHT40_CH151_5755MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 HORIZONTAL Mode : 7	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 VERTICAL Mode : 7

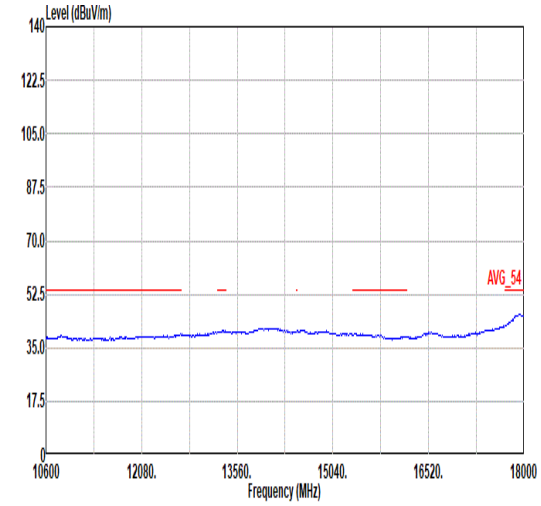
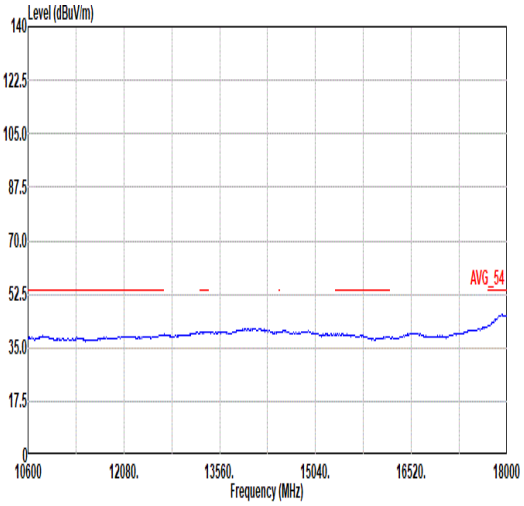
Mode	8	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11be EHT40_CH159_5795MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5622.82 54.29 68.20 -13.91 38.46 33.10 12.67 29.94 0.00 106 118 PEAK 2 5650.70 53.66 68.72 -15.06 37.76 33.15 12.70 29.95 0.00 106 118 PEAK 3 5713.10 58.30 108.87 -50.57 42.07 33.40 12.78 29.95 0.00 106 118 PEAK 4 5720.32 55.51 111.52 -56.01 39.23 33.44 12.79 29.95 0.00 106 118 PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5795.00 113.46 ------ ------ 96.67 33.88 12.88 29.97 0.00 106 118 PEAK
Avg	Blank	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5795.00 105.79 ------ ------ 89.00 33.88 12.88 29.97 0.00 106 118 AVERAGE

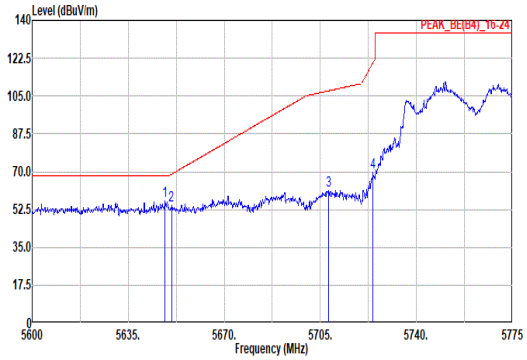
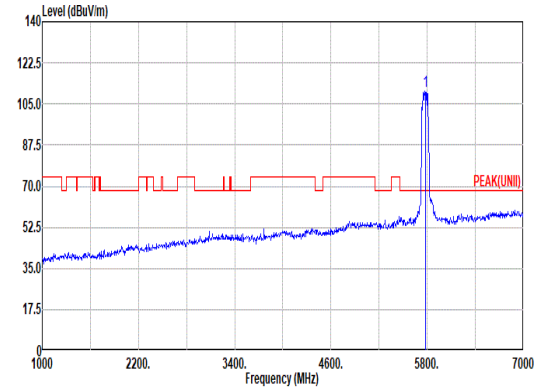
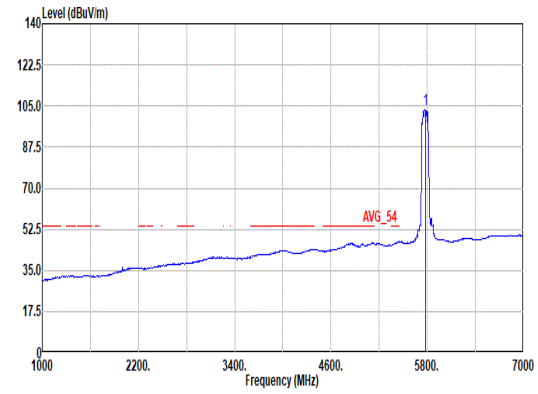
Mode	8	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11be EHT40_CH159_5795MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.68 64.45 111.54 -47.09 47.43 34.08 12.95 30.01 0.00 106 118 PEAK 2 5868.01 61.87 107.16 -45.29 44.81 34.11 12.96 30.01 0.00 106 118 PEAK 3 5923.50 54.55 69.31 -14.76 37.36 34.19 13.02 30.02 0.00 106 118 PEAK 4 5944.42 54.83 68.20 -13.37 37.62 34.20 13.04 30.03 0.00 106 118 PEAK	Blank

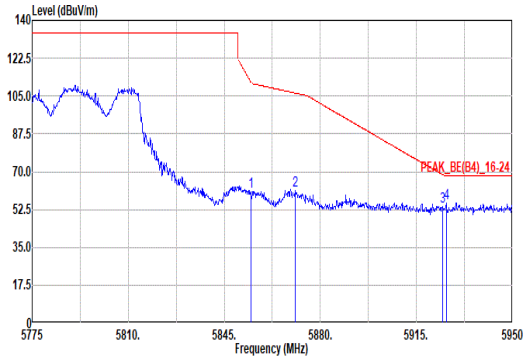
Mode	8	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11be EHT40_CH159_5795MHz	
ANT	D+B+C+A	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5616.97 53.94 68.20 -14.26 38.13 33.09 12.66 29.94 0.00 342 14 PEAK 2 5650.31 51.88 68.43 -16.55 35.98 33.15 12.70 29.95 0.00 342 14 PEAK 3 5703.35 56.75 106.14 -49.39 40.59 33.34 12.77 29.95 0.00 342 14 PEAK 4 5721.10 59.18 113.30 -54.12 42.89 33.45 12.79 29.95 0.00 342 14 PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5795.00 116.04 ------ ------ 99.15 33.97 12.89 29.97 0.00 342 14 PEAK
Avg	Blank	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5795.00 108.29 ------ ------ 91.40 33.97 12.89 29.97 0.00 342 14 AVERAGE

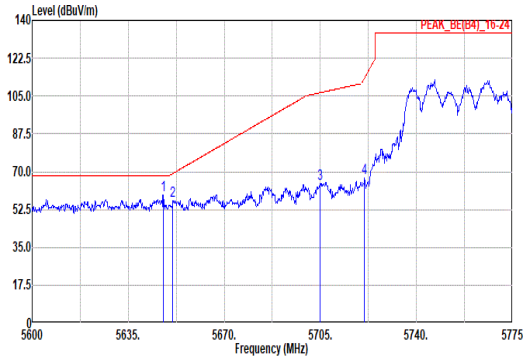
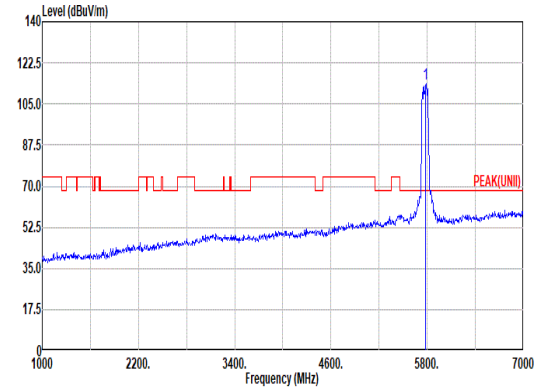
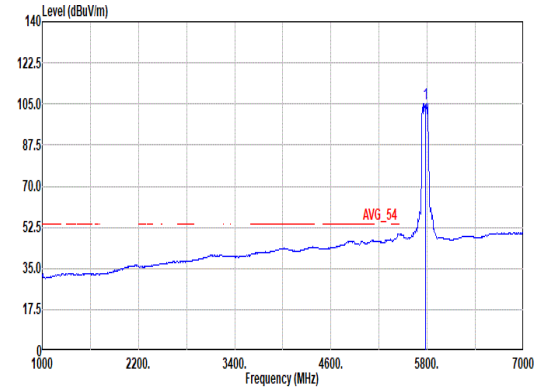
Mode	8	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11be EHT40_CH159_5795MHz	
ANT	D+B+C+A	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.68 67.14 111.54 -44.40 50.12 34.08 12.95 30.01 0.00 342 14 PEAK 2 5874.98 63.04 105.21 -42.17 45.96 34.12 12.97 30.01 0.00 342 14 PEAK 3 5924.58 53.61 68.51 -14.90 36.42 34.19 13.02 30.02 0.00 342 14 PEAK 4 5939.93 55.29 68.20 -12.91 38.08 34.20 13.04 30.03 0.00 342 14 PEAK	Blank

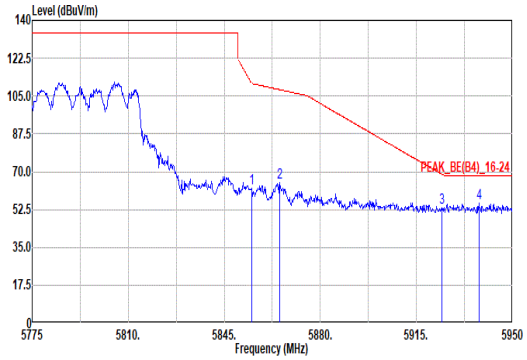
Mode	8	
	Harmonic	
	U-NII-3_5.725-5.85_802.11be EHT40_CH159_5795MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 HORIZONTAL Mode : 8 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11590.00 47.55 74.00 -26.45 57.05 38.99 18.53 67.29 0.27 -- -- PEAK 2 11590.00 38.10 54.00 -15.90 47.60 38.99 18.53 67.29 0.27 -- -- Average 3 17385.00 50.91 68.20 -17.29 56.61 38.78 23.16 67.96 0.32 -- -- PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 VERTICAL Mode : 8 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11590.00 47.55 74.00 -26.45 57.05 38.99 18.53 67.29 0.27 -- -- PEAK 2 11590.00 38.26 54.00 -15.74 47.76 38.99 18.53 67.29 0.27 -- -- Average 3 17385.00 49.68 68.20 -18.52 55.38 38.78 23.16 67.96 0.32 -- -- PEAK

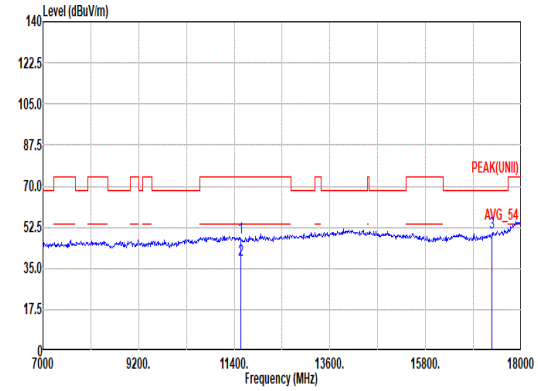
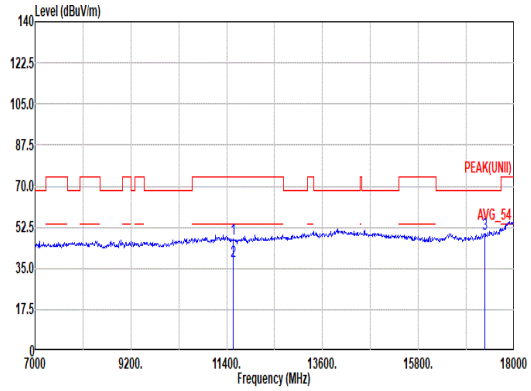
Mode	8	
	Harmonic	
	U-NII-3_5.725-5.85_802.11be EHT40_CH159_5795MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 HORIZONTAL Mode : 8	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 VERTICAL Mode : 8

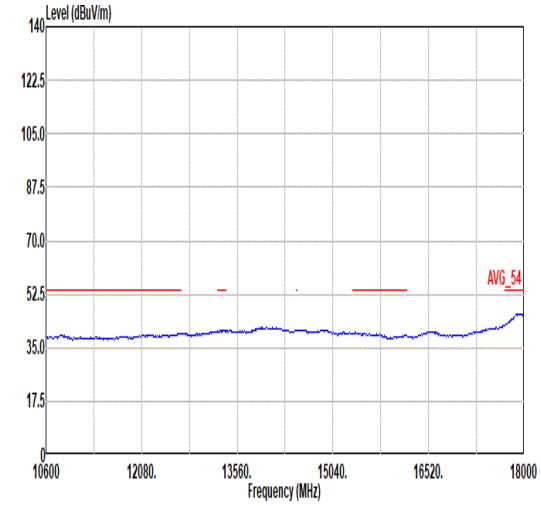
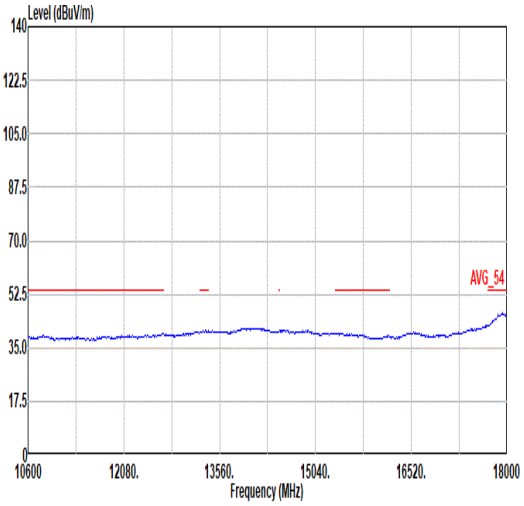
Mode	9	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11be EHT80_CH155_5775MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5648.48 56.34 68.20 -11.86 40.45 33.14 12.70 29.95 0.00 241 93 PEAK 2 5650.75 54.57 68.76 -14.19 38.67 33.15 12.70 29.95 0.00 241 93 PEAK 3 5707.98 61.25 107.44 -46.19 45.06 33.37 12.77 29.95 0.00 241 93 PEAK 4 5724.25 69.78 120.49 -50.71 53.46 33.47 12.80 29.95 0.00 241 93 PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5775.00 110.46 ------ ------ 93.81 33.76 12.85 29.96 0.00 241 93 PEAK
Avg	Blank	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5775.00 103.30 ------ ------ 86.65 33.76 12.85 29.96 0.00 241 93 AVERAGE

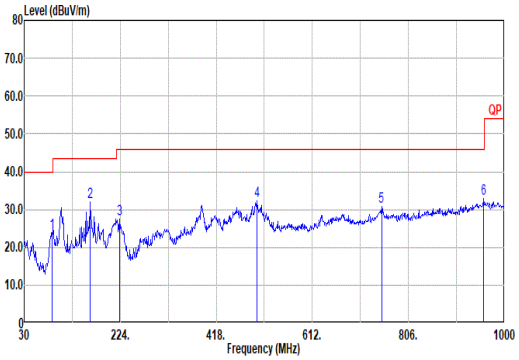
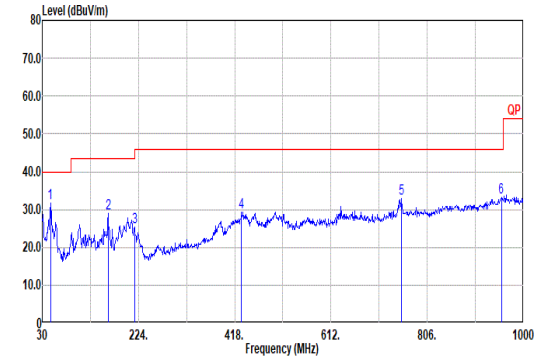
Mode	9	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11be EHT80_CH155_5775MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.63 60.91 111.65 -50.74 43.89 34.08 12.95 30.01 0.00 241 93 PEAK 2 5870.73 61.27 106.40 -45.13 44.21 34.11 12.96 30.01 0.00 241 93 PEAK 3 5924.63 54.03 68.48 -14.45 36.84 34.19 13.02 30.02 0.00 241 93 PEAK 4 5925.85 55.55 68.20 -12.65 38.36 34.19 13.02 30.02 0.00 241 93 PEAK	Blank

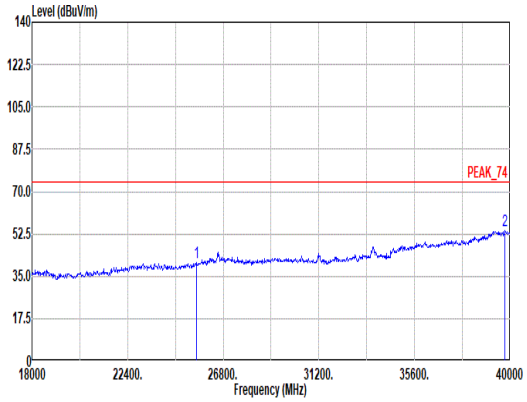
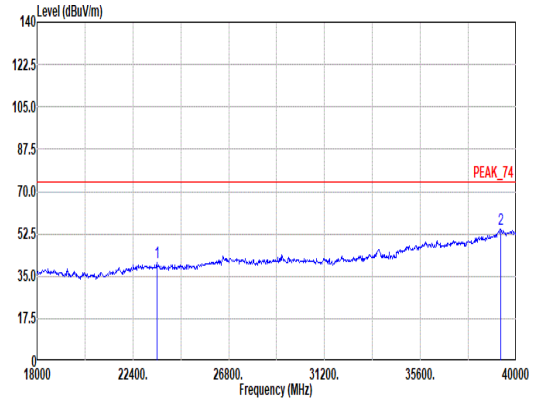
Mode	9	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11be EHT80_CH155_5775MHz	
ANT	D+B+C+A	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5647.78 59.03 68.20 -9.17 43.14 33.14 12.70 29.95 0.00 300 250 PEAK 2 5651.28 56.54 69.15 -12.61 40.64 33.15 12.70 29.95 0.00 300 250 PEAK 3 5705.00 64.66 106.60 -41.94 48.49 33.35 12.77 29.95 0.00 300 250 PEAK 4 5721.10 67.02 113.31 -46.29 50.73 33.45 12.79 29.95 0.00 300 250 PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5775.00 113.34 ------ ------ 96.55 33.88 12.88 29.97 0.00 300 250 PEAK
Avg	Blank	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5775.00 105.35 ------ ------ 88.74 33.72 12.85 29.96 0.00 300 250 AVERAGE

Mode	9	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11be EHT80_CH155_5775MHz	
ANT	D+B+C+A	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition: PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.98 62.21 110.86 -48.65 45.19 34.08 12.95 30.01 0.00 300 250 PEAK 2 5865.13 64.94 107.96 -43.02 47.89 34.10 12.96 30.01 0.00 300 250 PEAK 3 5924.28 53.10 68.73 -15.63 35.91 34.19 13.02 30.02 0.00 300 250 PEAK 4 5937.75 55.38 68.20 -12.82 38.18 34.20 13.03 30.03 0.00 300 250 PEAK	Blank

Mode	9	
	Harmonic	
	U-NII-3_5.725-5.85_802.11be EHT80_CH155_5775MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 HORIZONTAL Mode : 9 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11550.00 48.17 74.00 -25.83 57.66 39.10 18.49 67.35 0.27 -- -- PEAK 2 11550.00 38.66 54.00 -15.34 48.15 39.10 18.49 67.35 0.27 -- -- Average 3 17325.00 50.27 68.20 -17.93 56.15 38.57 23.10 67.87 0.32 -- -- PEAK	 Site : 03CH02-CA Condition: PEAK(UNII) 3m HORN_02140_240129 VERTICAL Mode : 9 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11550.00 47.79 74.00 -26.21 57.28 39.10 18.49 67.35 0.27 -- -- PEAK 2 11550.00 38.26 54.00 -15.74 47.75 39.10 18.49 67.35 0.27 -- -- Average 3 17325.00 49.53 68.20 -18.67 55.41 38.57 23.10 67.87 0.32 -- -- PEAK

Mode	9	
	Harmonic	
	U-NII-3_5.725-5.85_802.11be EHT80_CH155_5775MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 HORIZONTAL Mode : 9	 Site : 03CH02-CA Condition: AVG_54 3m HORN_02140_240129 VERTICAL Mode : 9

Mode	10	
	LF	
	U-NII-3_5.725-5.85_802.11be EHT80_CH155_5775MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Vertical
QP/ Peak	 Site : 03CH02-CA Condition: QP 3m LF_HORN_50392_240813 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 86.26 23.95 40.00 -16.05 40.54 14.18 1.52 32.45 0.16 -- -- Peak 2 163.86 31.91 43.50 -11.59 46.03 16.13 2.13 32.45 0.07 -- -- Peak 3 222.06 27.46 46.00 -18.54 41.85 15.46 2.47 32.43 0.11 -- -- Peak 4 499.48 32.24 46.00 -13.76 37.09 23.83 3.74 32.60 0.18 -- -- Peak 5 751.68 30.69 46.00 -15.31 30.26 28.10 4.54 32.43 0.22 -- -- Peak 6 958.29 32.79 46.00 -13.21 27.66 30.81 5.14 31.19 0.37 -- -- Peak	 Site : 03CH02-CA Condition: QP 3m LF_HORN_50392_240813 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 46.49 31.66 40.00 -8.34 46.90 16.03 1.12 32.46 0.07 -- -- Peak 2 162.89 29.09 43.50 -14.41 43.18 16.17 2.12 32.45 0.07 -- -- Peak 3 216.24 25.26 46.00 -20.74 40.27 14.87 2.44 32.43 0.11 -- -- Peak 4 431.58 29.19 46.00 -16.81 35.28 22.79 3.46 32.55 0.21 -- -- Peak 5 753.62 32.83 46.00 -13.17 32.38 28.11 4.54 32.42 0.22 -- -- Peak 6 955.38 33.08 46.00 -12.92 28.03 30.78 5.13 31.22 0.36 -- -- Peak

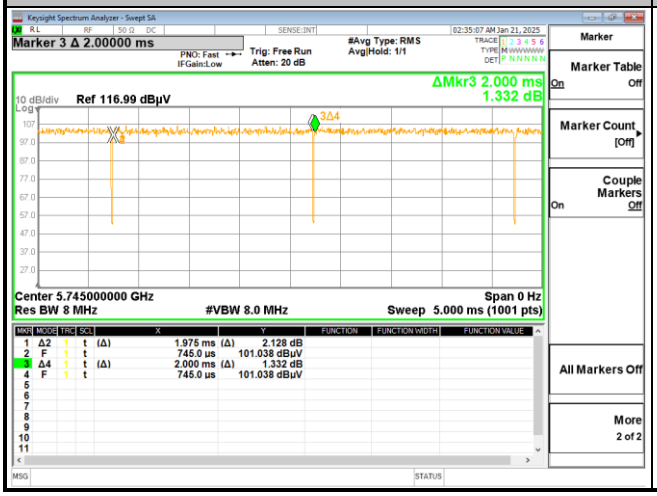
Mode	11	
	SHF	
	U-NII-3_5.725-5.85_802.11be EHT80_CH155_5775MHz	
ANT	D+B+C+A	
Pol.	Horizontal	Vertical
Peak	 Site : 03CH02-CA Condition: PEAK_74 1m SHF_HORN_00841_240807 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 25568.00 40.67 74.00 -33.33 35.25 38.85 28.94 52.83 -9.54 -- -- Peak 2 39758.00 53.89 74.00 -20.11 36.53 43.86 36.81 53.77 -9.54 -- -- Peak	 Site : 03CH02-CA Condition: PEAK_74 1m SHF_HORN_00841_240807 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 23500.00 40.58 74.00 -33.42 36.07 39.20 27.13 52.28 -9.54 -- -- Peak 2 39274.00 54.44 74.00 -19.56 36.29 45.17 36.28 53.76 -9.54 -- -- Peak

Appendix C. Duty Cycle Plots

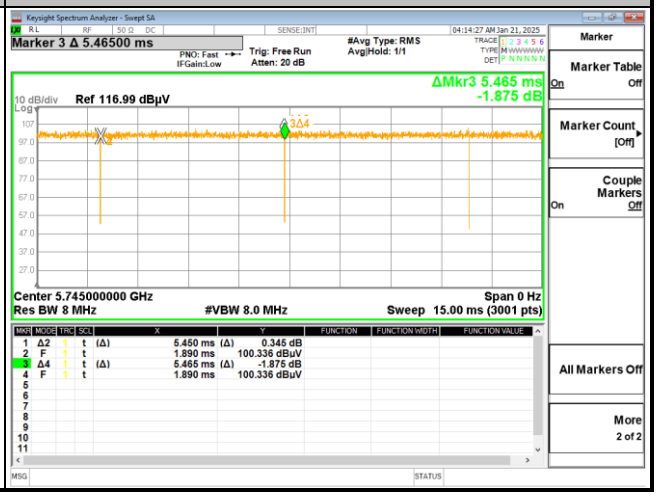
Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
4Tx	802.11a	98.75	1975	0.51	10Hz
4Tx	5GHz 802.11be EHT20	99.73	5450	0.18	10Hz
4Tx	5GHz 802.11be EHT40	99.63	5450	0.18	10Hz
4Tx	5GHz 802.11be EHT80	99.63	5450	0.18	10Hz

MIMO <Ant. 4Tx>

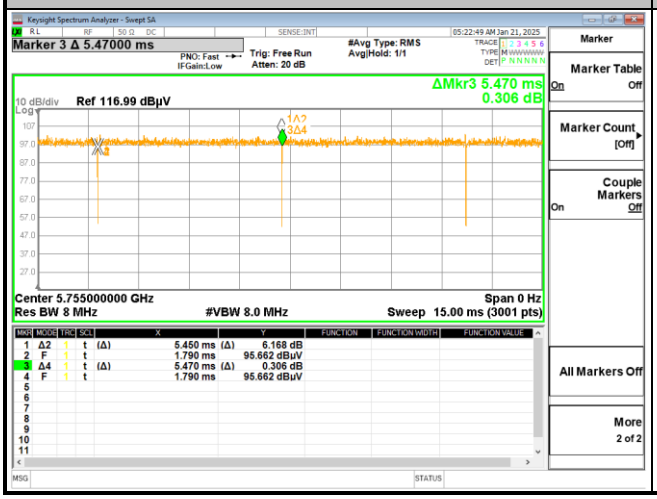
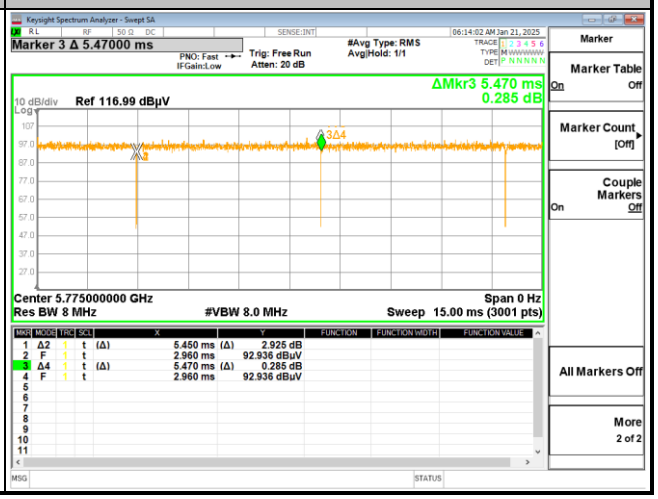
802.11a



5GHz 802.11be EHT20



5GHz 802.11be EHT40



5GHz 802.11be EHT80