FCC RADIO TEST REPORT

FCC ID	:	**TVE-240604**
Equipment	:	**Network Security Gateway**
Brand Name	:	**FORTINET**
Model Name	:	**FortiWiFi 70Gxxxxxxxxxx, FORTIWIFI-70Gxxxxxxxxxx, FWF-70Gxxxxxxxxxx, FortiWiFi 71Gxxxxxxxxxx, FORTIWIFI-71Gxxxxxxxxxx, FWF-71Gxxxxxxxxxx (where "x" can be used as "0-9", or "A-Z", or "-", or blank for software changes or marketing purposes only)**
Applicant	:	**Fortinet Inc. 909 Kifer Rd., Sunnyvale, CA 94086, United States**
Manufacturer	:	**Fortinet Inc. 909 Kifer Rd., Sunnyvale, CA 94086, United States**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Jun. 15, 2024 and testing was performed from Jul. 04, 2024 to Aug. 03, 2024. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

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Table of Contents

History of this test report **3**
Summary of Test Result **4**
1 General Description **5**
1.1 Product Feature of Equipment Under Test 5
1.2 Modification of EUT 7
1.3 Testing Location 8
1.4 Applicable Standards 8
2 Test Configuration of Equipment Under Test **9**
2.1 Carrier Frequency and Channel 9
2.2 Test Mode 10
2.3 Connection Diagram of Test System 11
2.4 Support Unit used in test configuration and system 12
2.5 EUT Operation Test Setup 12
2.6 Measurement Results Explanation Example 12
3 Test Result **13**
3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement 13
3.2 Maximum Conducted Output Power Measurement 14
3.3 Power Spectral Density Measurement 16
3.4 Unwanted Emissions Measurement 18
3.5 AC Conducted Emission Measurement 22
3.6 Antenna Requirements 24
4 List of Measuring Equipment **25**
5 Measurement Uncertainty **27**
Appendix A. Conducted Test Results
Appendix B. AC Conducted Emission Test Result
Appendix C. Radiated Spurious Emission Test Data
Appendix D. Duty Cycle Plots
Appendix E. Setup Photographs

History of this test report

Report No.	Version	Description	Issue Date
FR452223D	01	Initial issue of report	Oct. 09, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403	6dB & 26dB Bandwidth	Pass	-
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	0.97 dB under the limit at 5645.11 MHz
3.5	15.207	AC Conducted Emission	Pass	10.05 dB under the limit at 0.50 MHz
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section “Measurement Uncertainty”.

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Yun Huang

Report Producer: Mila Chen

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/ax and Wi-Fi 5GHz 802.11a/n/ac/ax. **Antenna Type** WLAN: **<Ant. 1>:** Dipole Antenna **<Ant. 2>:** Dipole Antenna **<Ant. 3>:** Dipole Antenna Bluetooth-LE: Monopole Antenna

Antenna information		
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	Ant. 1: 1.58 Ant. 2: 1.58 Ant. 3: 1.58

Remark:

1. Antenna 3 is used for receiving only.
2. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

Model differences description		
Model / Feature	**FWF-71G**	**FWF-70G**
M.2 SSD	V	X

Remark: All the tests were performed with Model: FWF-71G

1.1.1 Antenna Directional Gain

<For CDD Mode>

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)ii)

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

For power measurements on IEEE 802.11 devices,

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.

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

The directional gain "DG" is calculated as following table.

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band IV	1.58	1.58	1.58	4.59	0.00	0.00

Calculation example:

If a device has two antenna, G_{ANT1}= 1.58dBi; G_{ANT2}=1.58dBi

Directional gain of power measurement = max(1.58, 1.58) + 0 = 1.58 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (1.58 dBi / 20) + 10^ (1.58 dBi / 20)] ^ 2 } / 2 }

= 4.59 dBi

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

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

<TXBF Modes>

The EUT supports beamforming modes , then

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)e)ii)

Directional gain = GANT + 10 log(NANT/NSS) dBi,

where NSS = the number of independent spatial streams of data and GANT is the antenna gain in dBi

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

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band IV	1.58	1.58	4.59	4.59	0.00	0.00

Calculation example:

Directional gain is derived from formula which is

10 x log { { [10^ (1.58 dBi / 20) + 10^ (1.58 dBi / 20)] ^ 2 } / 2 }

= 4.59 dBi

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, CO07-HY, 03CH22-HY

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

FCC designation No.: TW3786

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:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, 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 two antenna degrees (Ant. degrees 0 and Ant. Degrees 90), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.

b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
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.
2. The above Frequency and Channel with "#" are 802.11ac VHT80 and 802.11ax HE80.

2.2 Test Mode

The SISO mode conducted power is covered by MIMO mode per chain, so only the MIMO mode is tested.

The power for 802.11n mode is smaller than 802.11ac mode, so all other conducted and radiated test is covered by 802.11ac mode.

The power for TXBF mode is smaller than CDD mode, so all other conducted and radiated test is covered by CDD mode.

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

CDD Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by VHT20)	MCS0
802.11n HT40 (Covered by VHT40)	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0

Remark: The conducted power level of each chain in MIMO mode is equal or higher than SISO mode.

TXBF Mode

Modulation	Data Rate
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Adapter

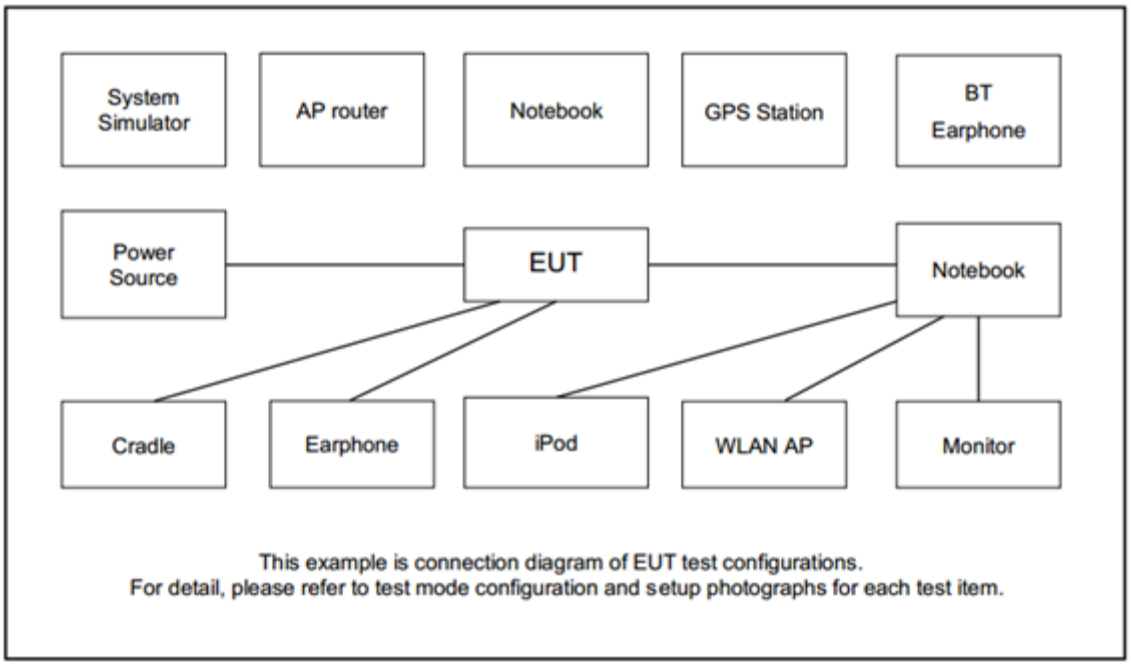
Ch. #		Band IV：5725-5850 MHz			
		802.11a	802.11ac VHT20	802.11ac VHT40	802.11ac VHT80
L	Low	149	149	151	-
M	Middle	157	157	-	155
H	High	165	165	159	-

Ch. #		Band IV：5725-5850 MHz		
		802.11ax HE20	802.11ax HE40	802.11ax HE80
L	Low	149	151	-
M	Middle	157	-	155
H	High	165	159	-

Remark:

1. For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.
2. For Radiated Spurious Emission above 18GHz and below 1GHz, the modulation and the data rate picked for testing are determined by the worst from Remark 1.

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.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “Tera Term Version4.95 / MT7906 Version0.0.2.78” was installed in Notebook 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 6dB and 26dB and 99% Occupied Bandwidth Measurement

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

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

26dB and 99% Occupied bandwidth are reporting only.

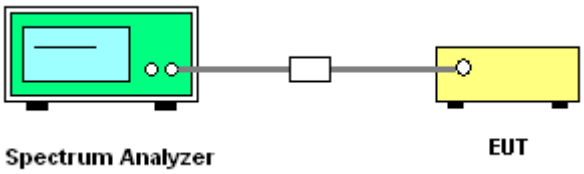
3.1.2 Measuring Instruments

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 6dB and 26dB and 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

<CDD Modes>

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

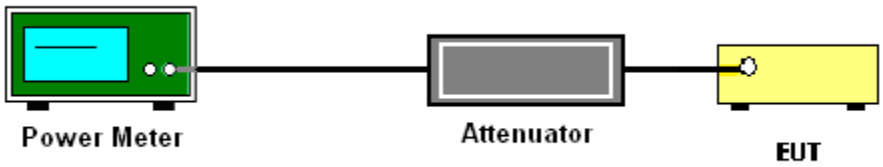
<TXBF Modes>

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

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.

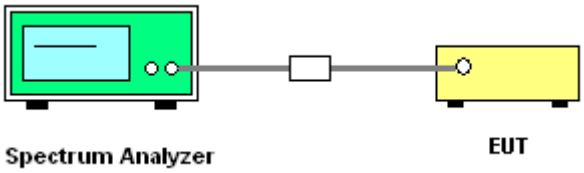
 # Method SA-2 #

(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

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

3.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5.725-5.85 GHz band:

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

(2) Unwanted spurious emissions 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) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

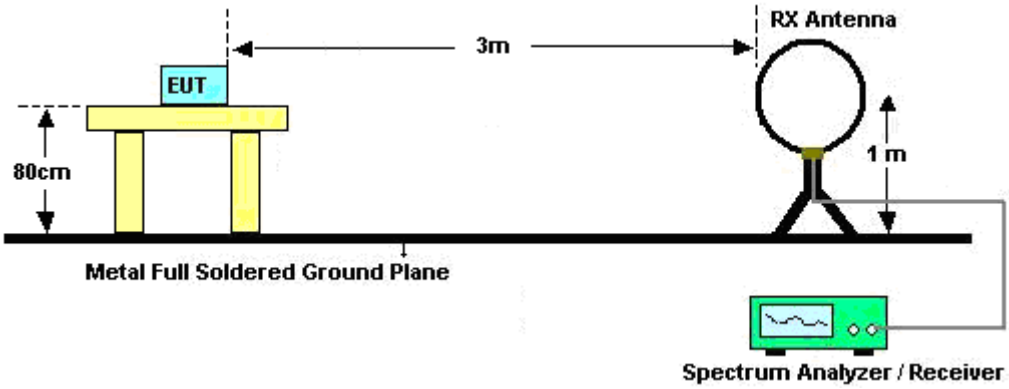
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. 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.

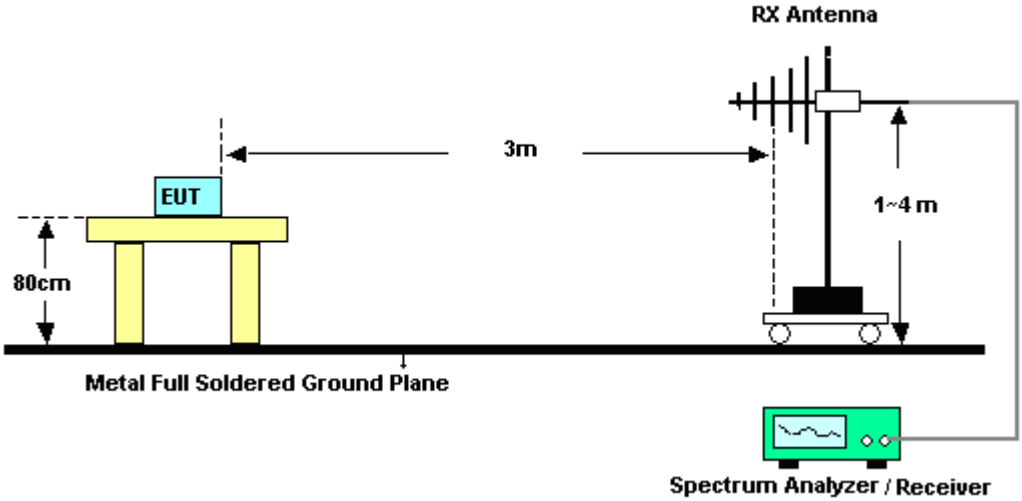
   When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-“.

3.4.4 Test Setup

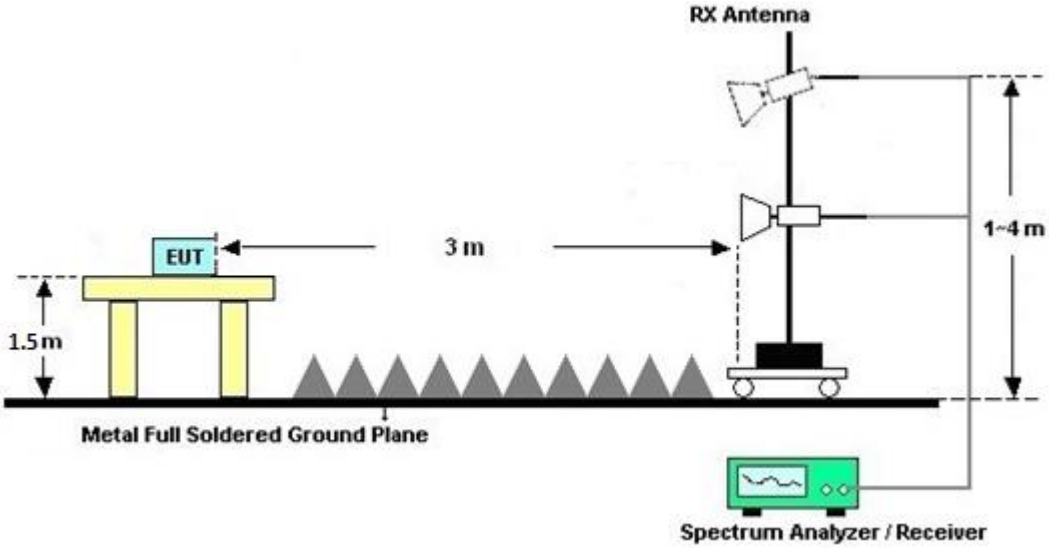
For radiated emissions below 30MHz



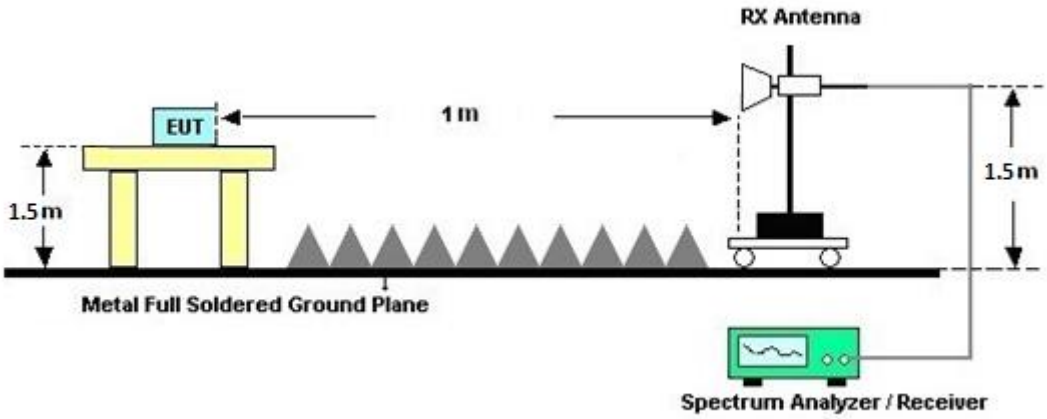
For radiated emissions from 30MHz to 1GHz



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 C.

3.4.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix C.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

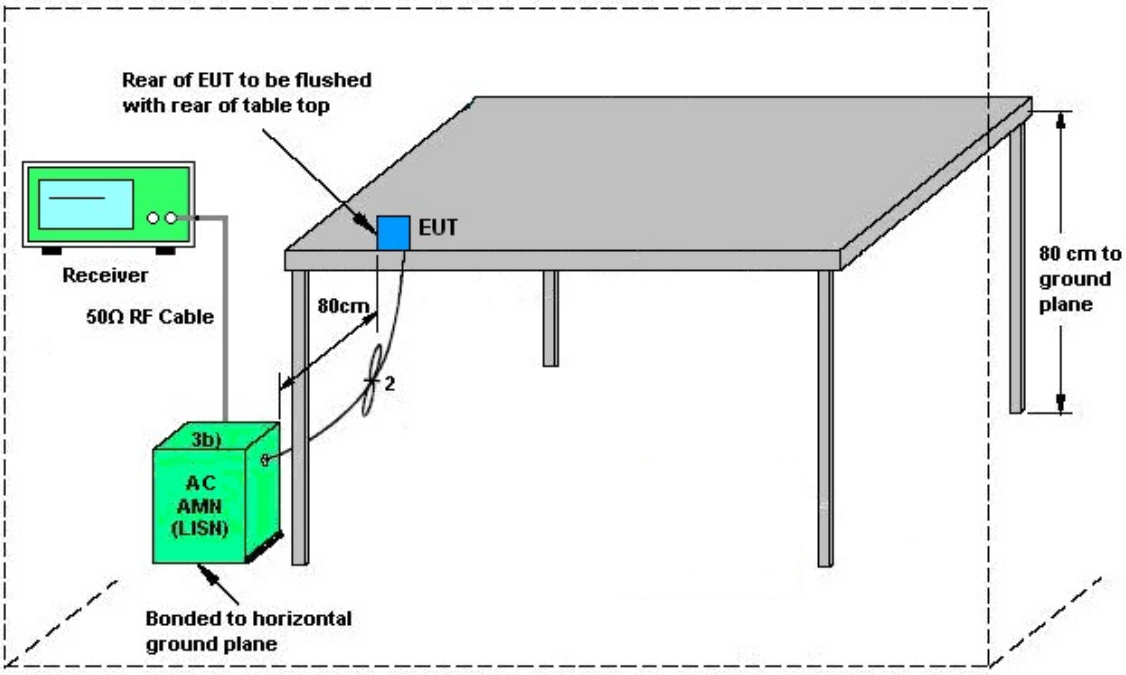
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

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.

3.6.2 Antenna Anti-Replacement Construction

The EUT requires professional installation.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Jul. 04, 2024	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jul. 04, 2024	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 20, 2023	Jul. 04, 2024	Oct. 19, 2024	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 14, 2024	Jul. 04, 2024	Mar. 13, 2025	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 10, 2024	Jul. 04, 2024	Mar. 09, 2025	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 07, 2024	Jul. 04, 2024	Mar. 06, 2025	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 20, 2023	Jul. 04, 2024	Sep. 19, 2024	Conduction (CO07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9kHz~30MHz	Sep. 12, 2023	Jul. 05, 2024~ Aug. 01, 2024	Sep. 11, 2024	Radiation (03CH22-HY)
Bilog Antenna with 6dB	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	63304 & 002	30MHz~1GHz	Oct. 15, 2023	Jul. 05, 2024~ Aug. 01, 2024	Oct. 14, 2024	Radiation (03CH22-HY)
Amplifier	SONOMA	310N	421581	N/A	Jul. 15, 2023	Jul. 05, 2024~ Jul. 13, 2024	Jul. 14, 2024	Radiation (03CH22-HY)
Amplifier	SONOMA	310N	421581	N/A	Jul. 14, 2024	Jul. 14, 2024~ Aug. 01, 2024	Jul. 13, 2025	Radiation (03CH22-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1212	1GHz~18GHz	Mar. 21, 2024	Jul. 05, 2024~ Aug. 01, 2024	Mar. 20, 2024	Radiation (03CH22-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C04A18EN	1GHz~18GHz	Jul. 12, 2023	Jul. 05, 2024~ Jul. 10, 2024	Jul. 11, 2024	Radiation (03CH22-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C04A18EN	1GHz~18GHz	Jul. 11, 2024	Jul. 11, 2024~ Aug. 01, 2024	Jul. 10, 2025	Radiation (03CH22-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz-40GHz	Jun. 24, 2024	Jul. 05, 2024~ Aug. 01, 2024	Jun. 23, 2025	Radiation (03CH22-HY)
Amplifier	EMEC	EM01G18GA	060877	N/A	Sep. 28, 2023	Jul. 05, 2024~ Aug. 01, 2024	Sep. 27, 2024	Radiation (03CH22-HY)
Preamplifier	EMEC	EM18G40G	060872	18-40GHz	Sep. 06, 2023	Jul. 05, 2024~ Aug. 01, 2024	Sep. 05, 2024	Radiation (03CH22-HY)
Signal Analyzer	Keysight	N9010B	MY62170278	10Hz~44GHz	Aug. 31, 2023	Jul. 05, 2024~ Aug. 01, 2024	Aug. 30, 2024	Radiation (03CH22-HY)
Hygrometer	TECPEL	DTM-303A	TP211469	N/A	Jan. 03, 2024	Jul. 05, 2024~ Aug. 01, 2024	Jan. 02, 2025	Radiation (03CH22-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Jul. 05, 2024~ Aug. 01, 2024	N/A	Radiation (03CH22-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jul. 05, 2024~ Aug. 01, 2024	N/A	Radiation (03CH22-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jul. 05, 2024~ Aug. 01, 2024	N/A	Radiation (03CH22-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Software	Audix	E3 6.09824_2019 122	RK-002347	N/A	N/A	Jul. 05, 2024~ Aug. 01, 2024	N/A	Radiation (03CH22-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 06, 2024	Jul. 05, 2024~ Aug. 01, 2024	Mar. 05, 2025	Radiation (03CH22-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804390/2,804611/2,804615/2	N/A	Oct. 24, 2023	Jul. 05, 2024~ Aug. 01, 2024	Oct. 23, 2024	Radiation (03CH22-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Aug. 01, 2024~ Aug. 03, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO36 (NO:35)	10MHz~6GHz	Aug. 23, 2023	Aug. 01, 2024~ Aug. 03, 2024	Aug. 22, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Sep. 12, 2023	Aug. 01, 2024~ Aug. 03, 2024	Sep. 11, 2024	Conducted (TH05-HY)
Switch Control Mainframe	E-Instument	ETF-1405-0	EC1900157 (BOX6)	N/A	Feb. 16, 2024	Aug. 01, 2024~ Aug. 03, 2024	Feb. 15, 2025	Conducted (TH05-HY)
Software1	Sporton	BTWIFI_Final_version:1.0(2024-04-11)	N/A	Conducted Items	N/A	Aug. 01, 2024~ Aug. 03, 2024	N/A	Conducted (TH05-HY)
Software2	Raditeq	RadiMation 2021.1.8	N/A	Conducted Power	N/A	Aug. 01, 2024~ Aug. 03, 2024	N/A	Conducted (TH05-HY)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.44 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.5 dB

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

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

Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

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

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

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Junyu Jhou	Temperature:	21~25	°C
Test Date:	2024/8/1~2024/8/3	Relative Humidity:	51~54	%

<CDD Mode>

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

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	149	5745	39.31	39.56	65.97	66.96	16.39	16.34	0.5	Pass
11a	6Mbps	2	157	5785	39.11	39.76	63.25	65.82	16.37	16.34	0.5	Pass
11a	6Mbps	2	165	5825	34.07	39.61	51.72	69.80	16.35	16.36	0.5	Pass
VHT20	MCS0	2	149	5745	40.61	40.86	70.84	72.26	17.60	17.59	0.5	Pass
VHT20	MCS0	2	157	5785	40.51	41.01	70.55	76.06	17.59	17.59	0.5	Pass
VHT20	MCS0	2	165	5825	35.76	40.56	54.18	73.85	17.59	17.57	0.5	Pass
VHT40	MCS0	2	151	5755	60.74	58.34	96.96	94.26	35.08	35.06	0.5	Pass
VHT40	MCS0	2	159	5795	59.04	54.25	97.47	93.46	35.09	35.05	0.5	Pass
VHT80	MCS0	2	155	5775	75.40	75.40	129.31	127.65	73.87	75.12	0.5	Pass

Report Number : FR452223D

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	149	5745	26.40	26.20	29.31	30.00		1.58		Pass
11a	6Mbps	2	157	5785	26.20	25.80	29.01	30.00		1.58		Pass
11a	6Mbps	2	165	5825	25.10	25.60	28.37	30.00		1.58		Pass
HT20	MCS0	2	149	5745	26.10	25.50	28.82	30.00		1.58		Pass
HT20	MCS0	2	157	5785	25.80	25.00	28.43	30.00		1.58		Pass
HT20	MCS0	2	165	5825	24.60	24.80	27.71	30.00		1.58		Pass
HT40	MCS0	2	151	5755	24.60	23.90	27.27	30.00		1.58		Pass
HT40	MCS0	2	159	5795	23.80	23.20	26.52	30.00		1.58		Pass
VHT20	MCS0	2	149	5745	26.70	26.40	29.56	30.00		1.58		Pass
VHT20	MCS0	2	157	5785	26.30	25.90	29.11	30.00		1.58		Pass
VHT20	MCS0	2	165	5825	25.30	25.70	28.51	30.00		1.58		Pass
VHT40	MCS0	2	151	5755	25.10	24.50	27.82	30.00		1.58		Pass
VHT40	MCS0	2	159	5795	24.40	23.70	27.07	30.00		1.58		Pass
VHT80	MCS0	2	155	5775	21.30	20.80	24.07	30.00		1.58		Pass

Report Number : FR452223D

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	149	5745	0.24	0.24	2.22		12.26	12.08	15.27	30.00		4.59		Pass
11a	6Mbps	2	157	5785	0.24	0.24	2.22		12.47	11.83	15.48	30.00		4.59		Pass
11a	6Mbps	2	165	5825	0.24	0.24	2.22		11.36	11.70	14.71	30.00		4.59		Pass
VHT20	MCS0	2	149	5745	0.22	0.22	2.22		12.35	12.00	15.36	30.00		4.59		Pass
VHT20	MCS0	2	157	5785	0.22	0.22	2.22		12.41	11.85	15.42	30.00		4.59		Pass
VHT20	MCS0	2	165	5825	0.22	0.22	2.22		11.56	11.71	14.72	30.00		4.59		Pass
VHT40	MCS0	2	151	5755	0.24	0.24	2.22		8.92	8.09	11.93	30.00		4.59		Pass
VHT40	MCS0	2	159	5795	0.24	0.24	2.22		8.57	7.57	11.58	30.00		4.59		Pass
VHT80	MCS0	2	155	5775	0.24	0.24	2.22		2.40	1.81	5.41	30.00		4.59		Pass

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

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

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	149	5745	Full	36.81	35.91	58.04	53.17	18.75	17.59	0.5	Pass
HE20	MCS0	2	157	5785	Full	34.97	34.72	54.56	53.72	17.93	18.11	0.5	Pass
HE20	MCS0	2	165	5825	Full	34.97	40.56	54.34	71.10	18.31	18.83	0.5	Pass
HE40	MCS0	2	151	5755	Full	51.85	48.65	87.33	90.50	37.62	35.13	0.5	Pass
HE40	MCS0	2	159	5795	Full	55.74	52.55	94.70	93.73	37.61	35.06	0.5	Pass
HE80	MCS0	2	155	5775	Full	77.08	76.96	105.41	80.29	76.83	75.10	0.5	Pass

Report Number : FR452223D

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	25.90	25.30	28.62	30.00		1.58		Pass
HE20	MCS0	2	157	5785	Full	25.50	24.90	28.22	30.00		1.58		Pass
HE20	MCS0	2	165	5825	Full	25.20	25.80	28.52	30.00		1.58		Pass
HE40	MCS0	2	151	5755	Full	24.60	24.00	27.32	30.00		1.58		Pass
HE40	MCS0	2	159	5795	Full	24.40	23.80	27.12	30.00		1.58		Pass
HE80	MCS0	2	155	5775	Full	20.60	20.20	23.41	30.00		1.58		Pass

Report Number : FR452223D

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO																		
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	0.27	0.27	2.22		11.61	10.91	14.62	30.00		4.59		Pass
HE20	MCS0	2	157	5785	Full	0.27	0.27	2.22		11.44	10.65	14.45	30.00		4.59		Pass
HE20	MCS0	2	165	5825	Full	0.27	0.27	2.22		10.89	11.11	14.12	30.00		4.59		Pass
HE40	MCS0	2	151	5755	Full	0.25	0.25	2.22		8.28	7.41	11.29	30.00		4.59		Pass
HE40	MCS0	2	159	5795	Full	0.25	0.25	2.22		8.27	7.33	11.28	30.00		4.59		Pass
HE80	MCS0	2	155	5775	Full	0.25	0.25	2.22		1.81	0.87	4.82	30.00		4.59		Pass

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

Report Number : FR452223D

<TXBF Mode>

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HT20	MCS0	2	149	5745	25.90	25.30	28.62	30.00		4.59		Pass
HT20	MCS0	2	157	5785	25.60	24.80	28.23	30.00		4.59		Pass
HT20	MCS0	2	165	5825	24.40	24.70	27.56	30.00		4.59		Pass
HT40	MCS0	2	151	5755	24.40	23.70	27.07	30.00		4.59		Pass
HT40	MCS0	2	159	5795	23.60	23.00	26.32	30.00		4.59		Pass
VHT20	MCS0	2	149	5745	26.50	26.20	29.36	30.00		4.59		Pass
VHT20	MCS0	2	157	5785	26.10	25.70	28.91	30.00		4.59		Pass
VHT20	MCS0	2	165	5825	25.20	25.60	28.41	30.00		4.59		Pass
VHT40	MCS0	2	151	5755	25.00	24.40	27.72	30.00		4.59		Pass
VHT40	MCS0	2	159	5795	24.30	23.60	26.97	30.00		4.59		Pass
VHT80	MCS0	2	155	5775	21.10	20.60	23.87	30.00		4.59		Pass

Report Number : FR452223D

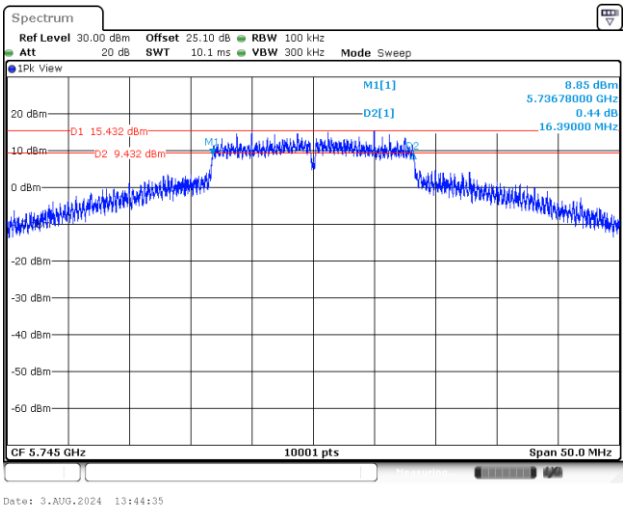
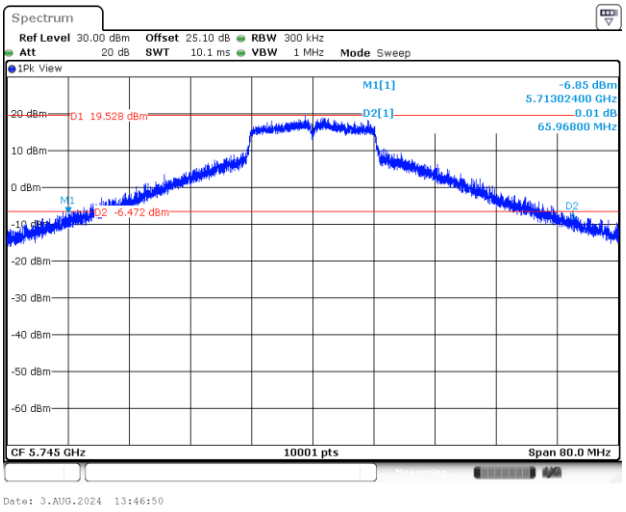
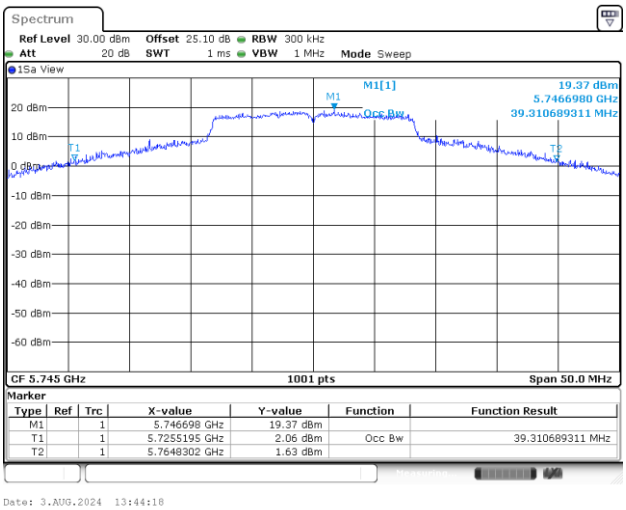
TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	25.80	25.20	28.52	30.00		4.59		Pass
HE20	MCS0	2	157	5785	Full	25.40	24.88	28.16	30.00		4.59		Pass
HE20	MCS0	2	165	5825	Full	25.10	25.60	28.37	30.00		4.59		Pass
HE40	MCS0	2	151	5755	Full	24.50	23.90	27.22	30.00		4.59		Pass
HE40	MCS0	2	159	5795	Full	24.30	23.70	27.02	30.00		4.59		Pass
HE80	MCS0	2	155	5775	Full	20.50	20.00	23.27	30.00		4.59		Pass

Test Result of 6dB and 26dB and 99% Occupied Bandwidth

MIMO <Ant. 1+2>

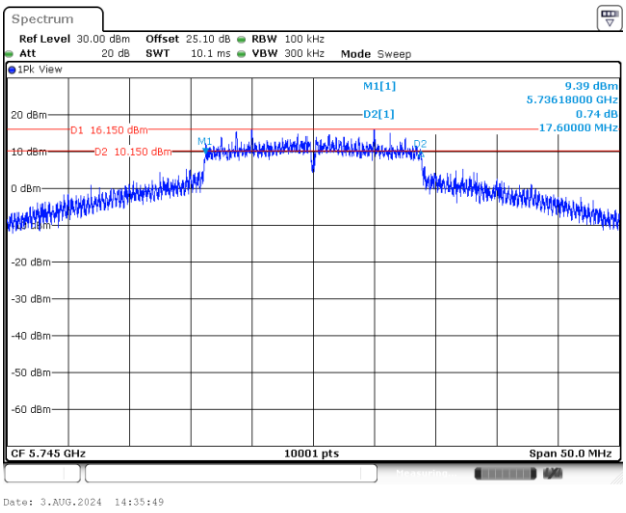
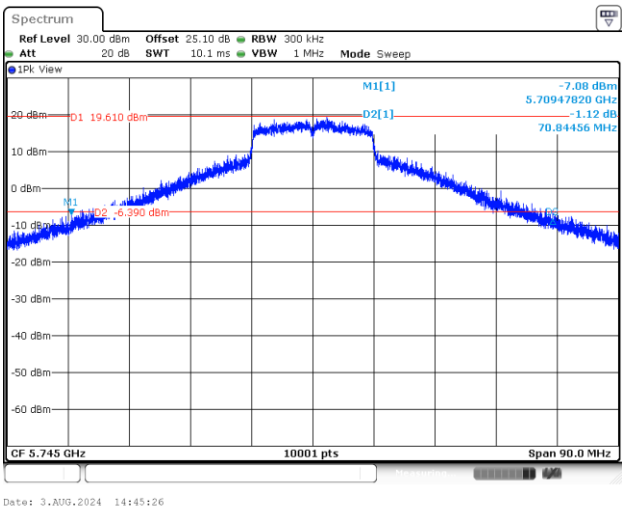
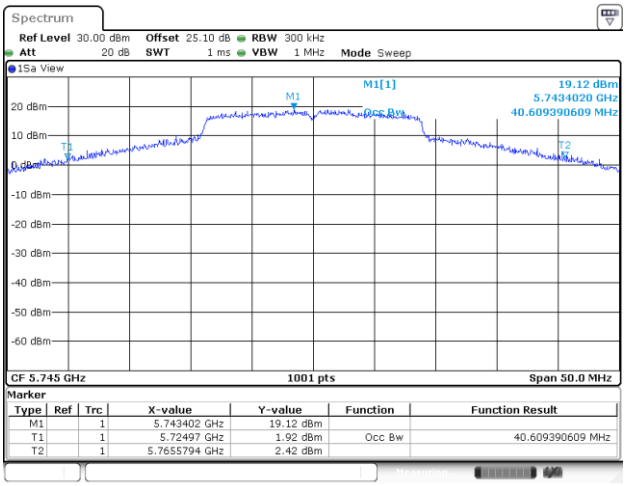
<802.11a>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

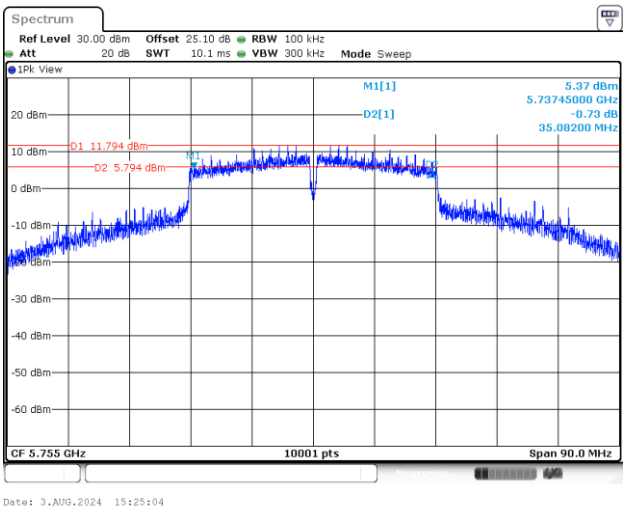
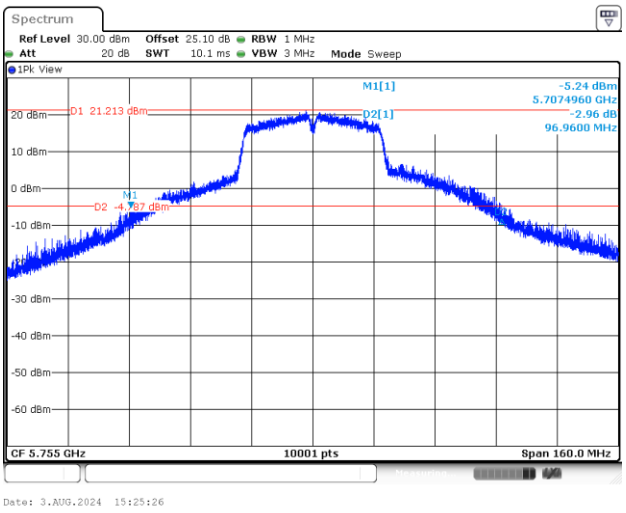
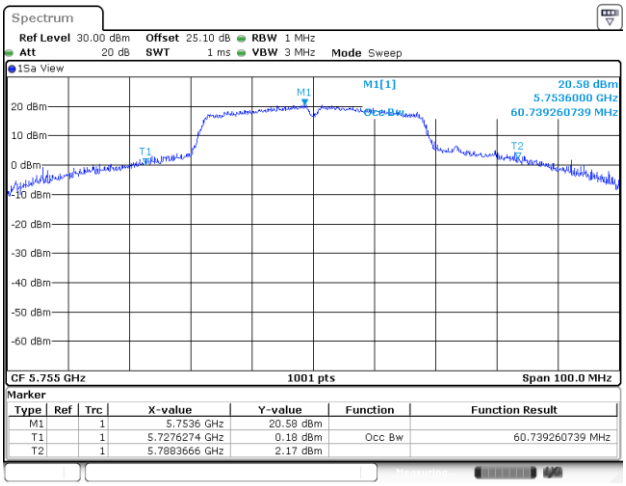
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.746698 GHz	19.37 dBm		
T1		1	5.7255195 GHz	2.06 dBm	Occ Bw	39.310689311 MHz
T2		1	5.7648302 GHz	1.63 dBm		

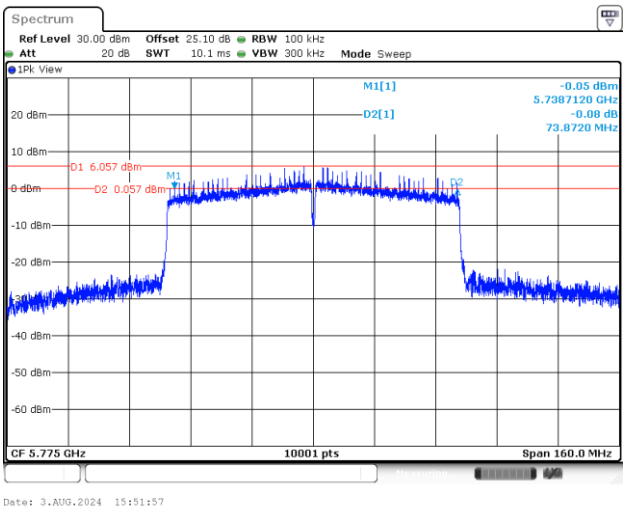
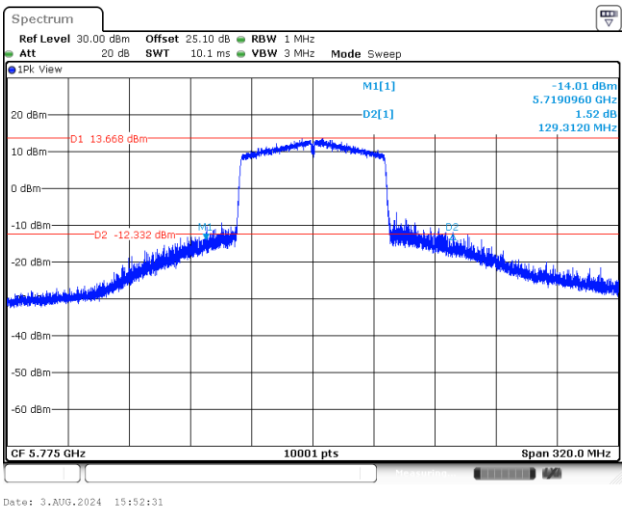
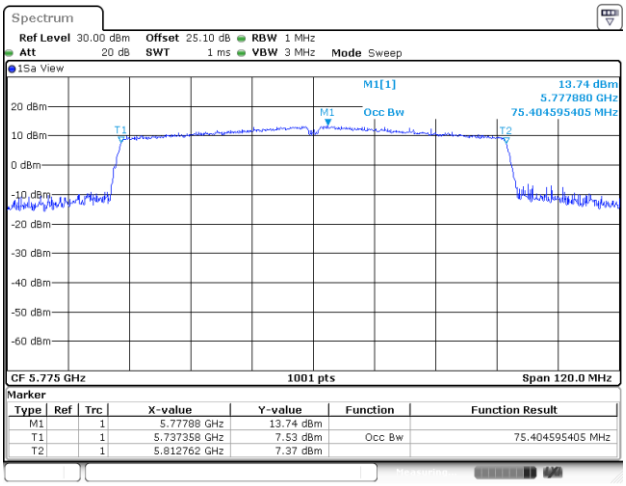
<802.11ac VHT20>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

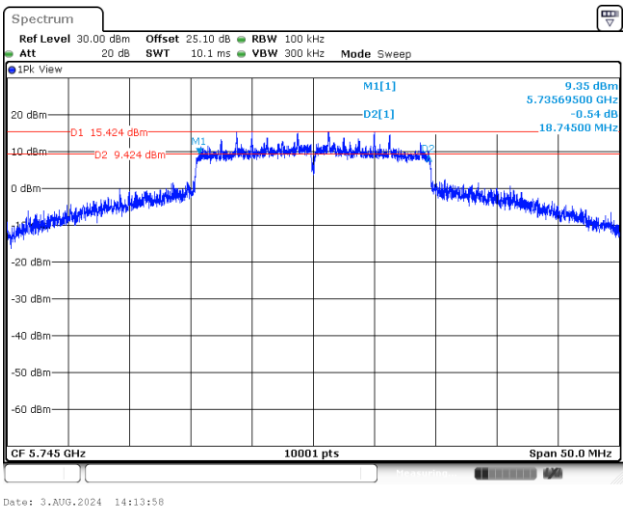
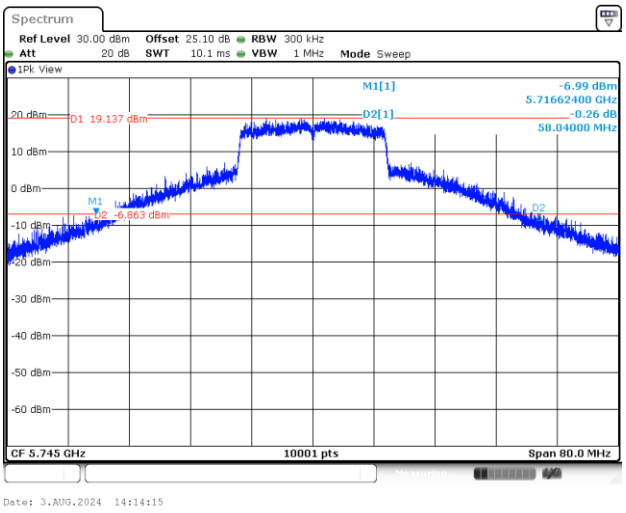
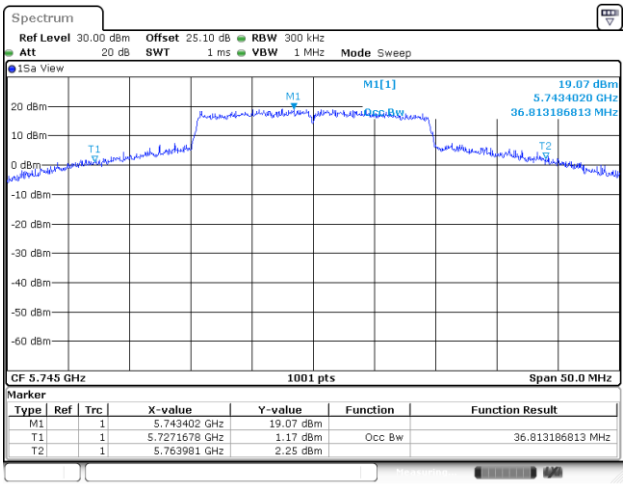
<802.11ac VHT40>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

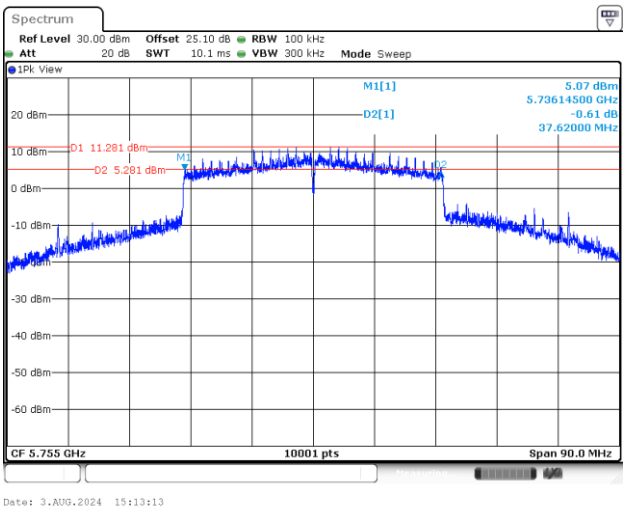
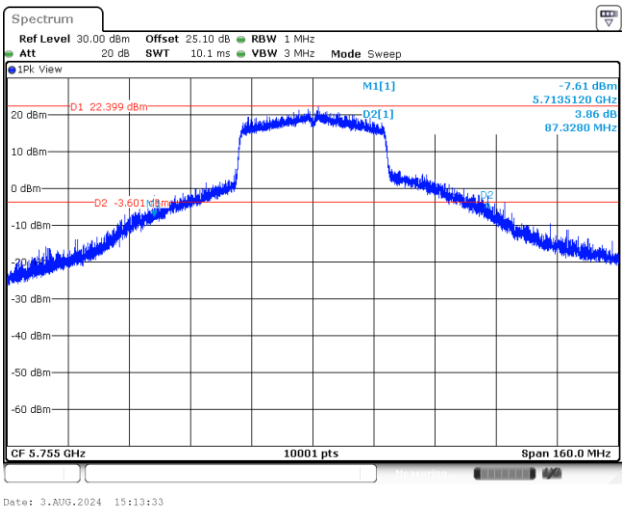
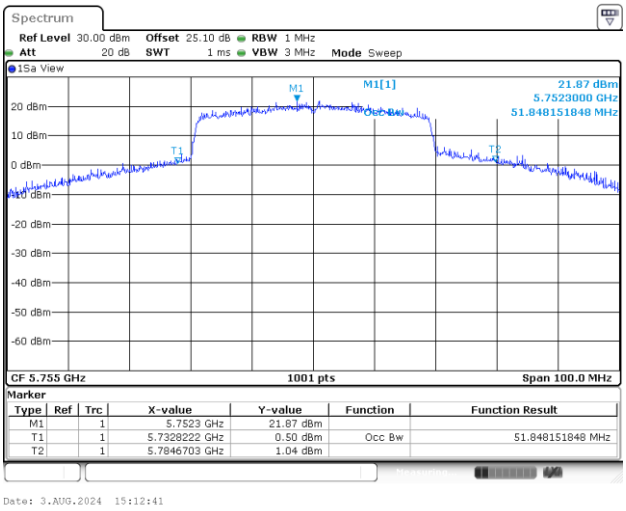
<802.11ac VHT80>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

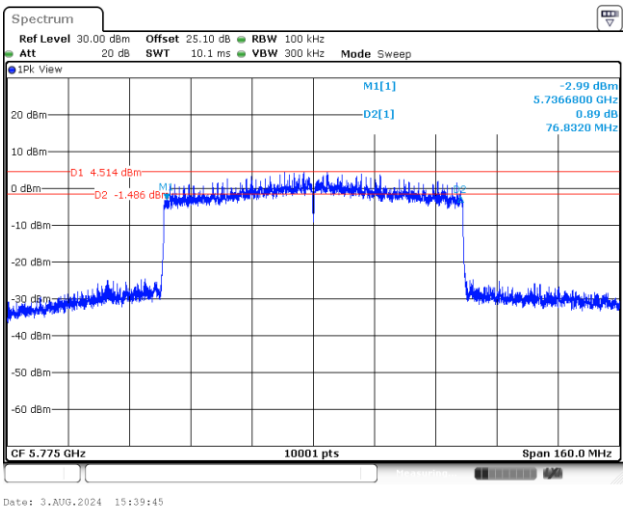
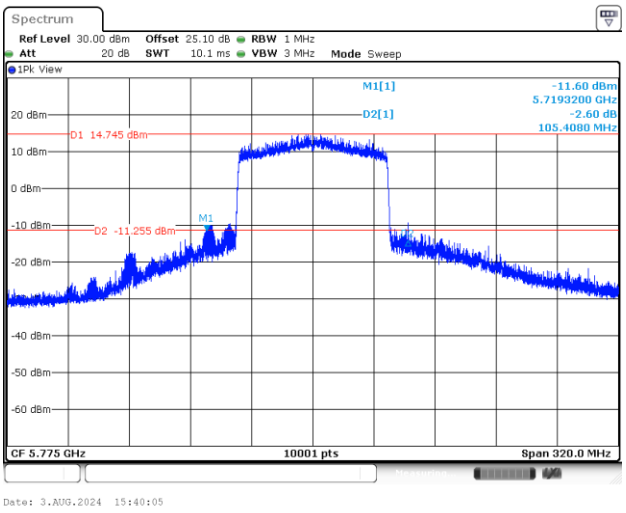
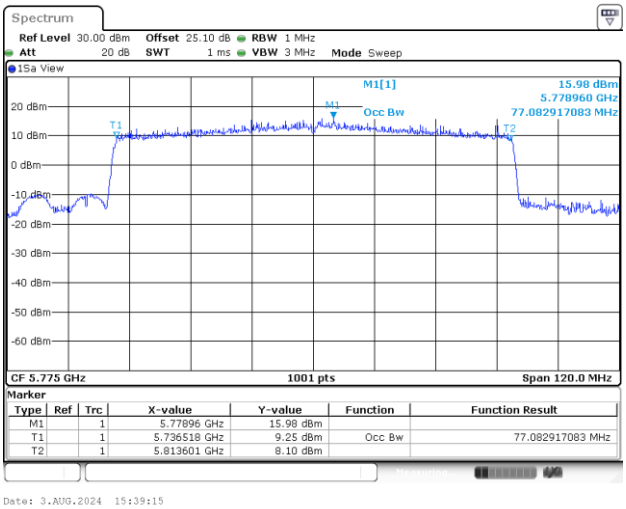
<802.11ax HE20>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

<802.11ax HE40>

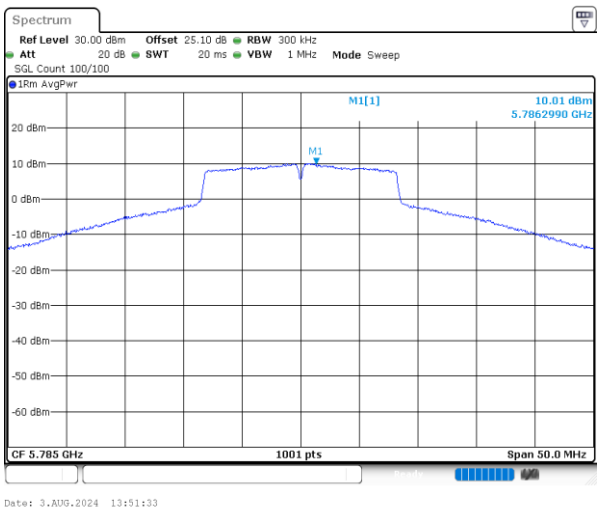
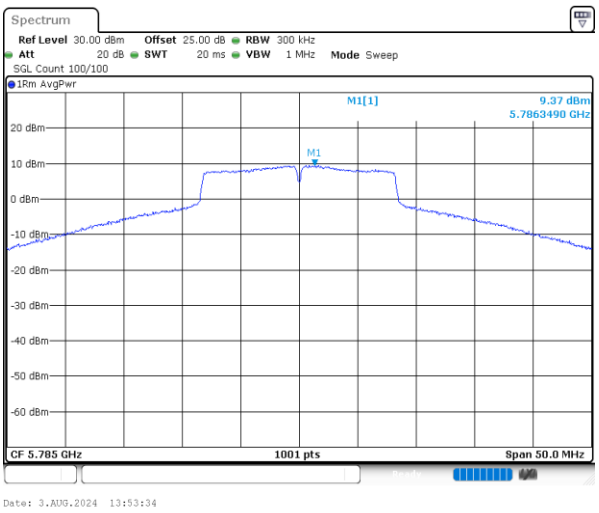
6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

<802.11ax HE80>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

Test Result of Power Spectral Density

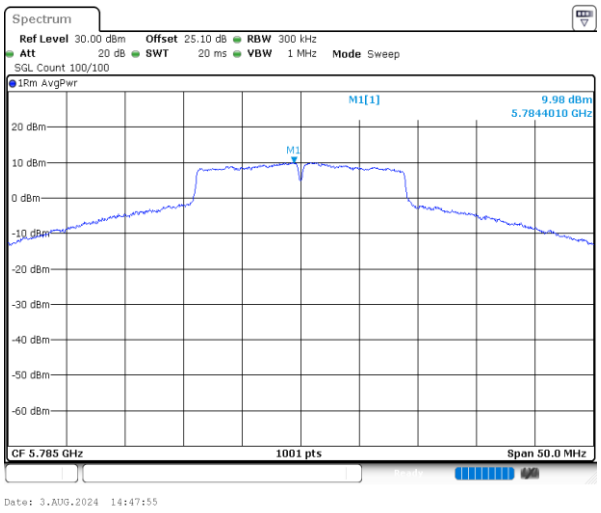
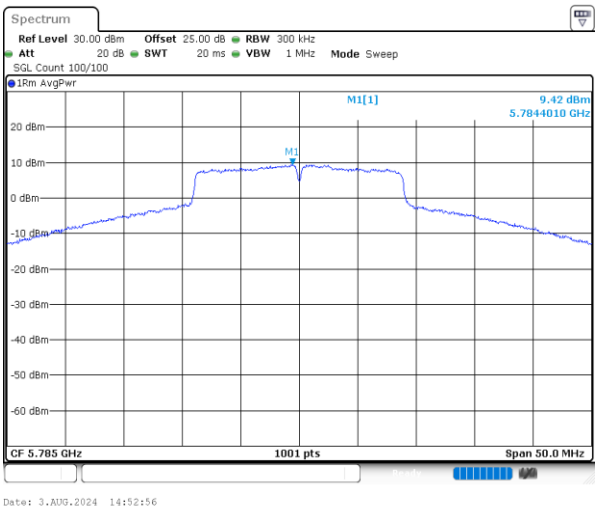
<802.11a>

Maximum Power Density Plot (dBm/MHz)	
MIMO Ant. 1	**MIMO Ant. 2**
	

Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

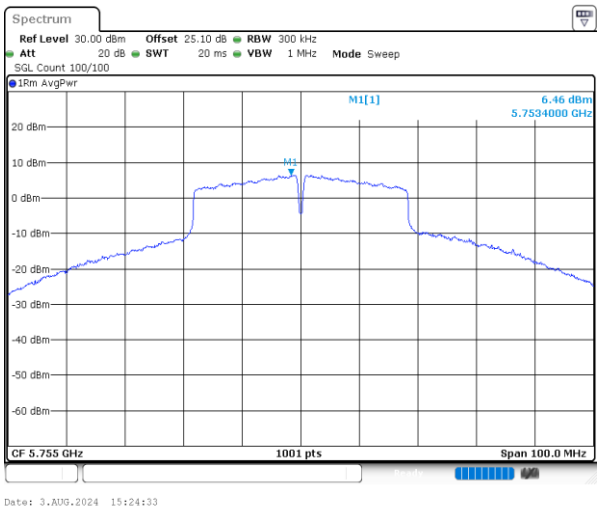
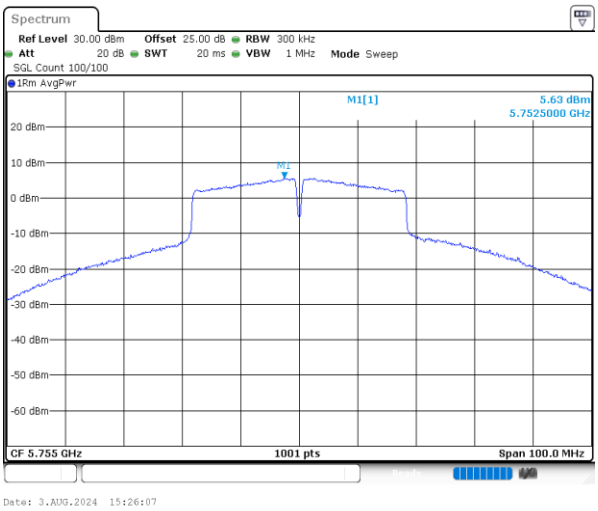
<802.11ac VHT20>

Maximum Power Density Plot (dBm/MHz)	
MIMO Ant. 1	**MIMO Ant. 2**
	

Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

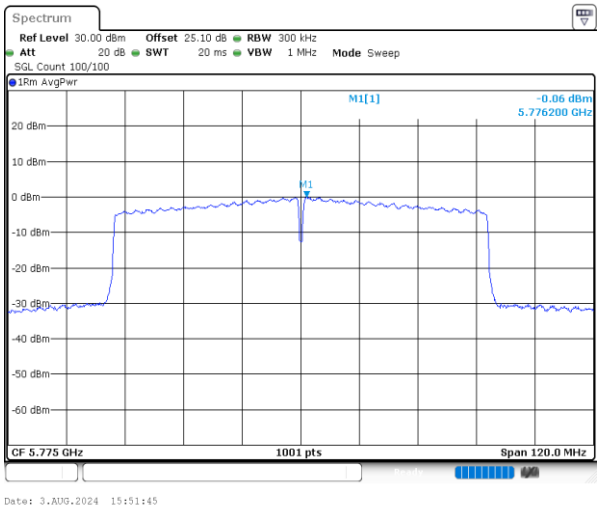
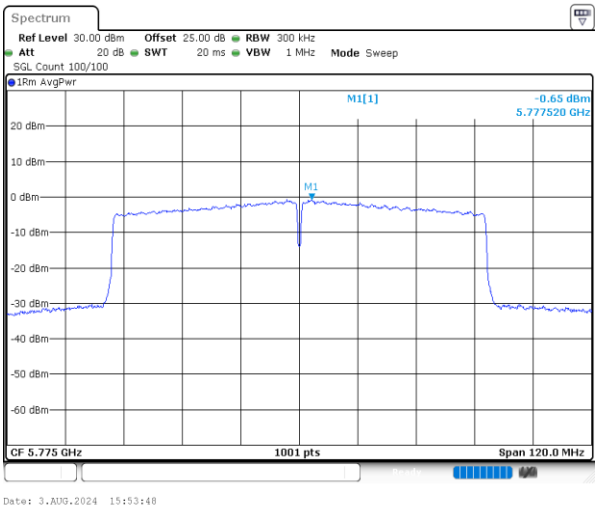
<802.11ac VHT40>

Maximum Power Density Plot (dBm/MHz)	
MIMO Ant. 1	**MIMO Ant. 2**
	

Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

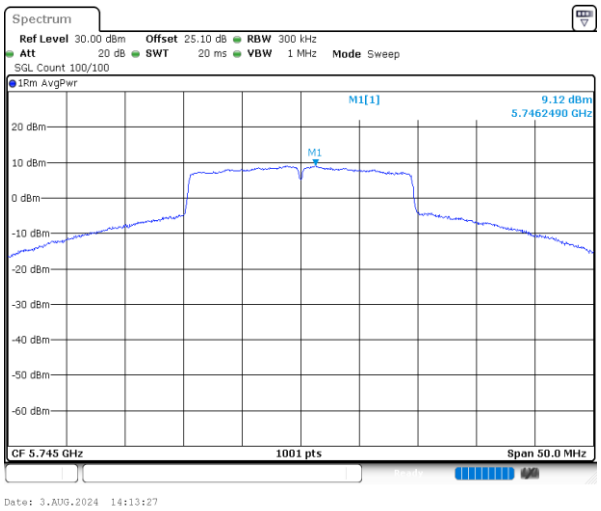
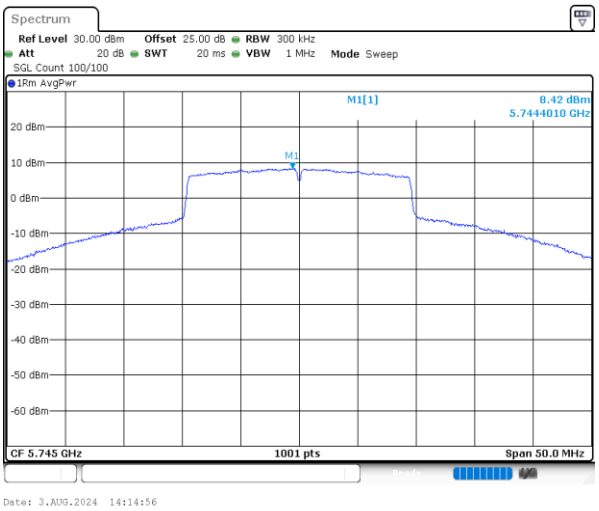
<802.11ac VHT80>

Maximum Power Density Plot (dBm/MHz)	
MIMO Ant. 1	**MIMO Ant. 2**
	

Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

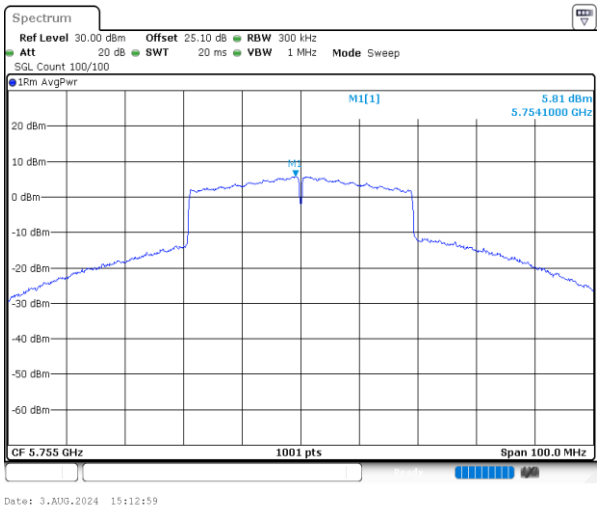
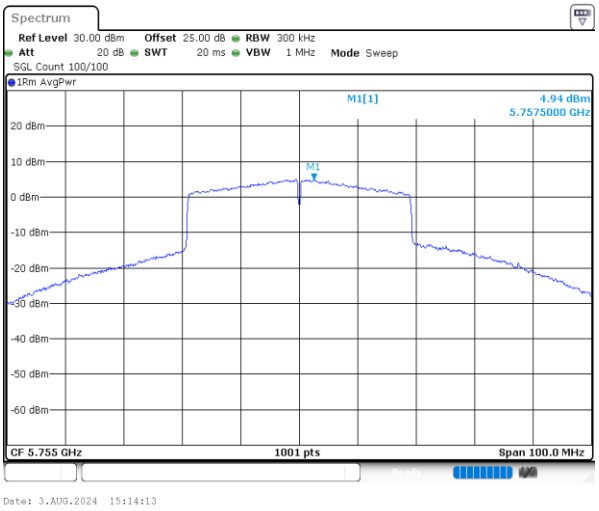
<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)	
MIMO Ant. 1	**MIMO Ant. 2**
	

Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

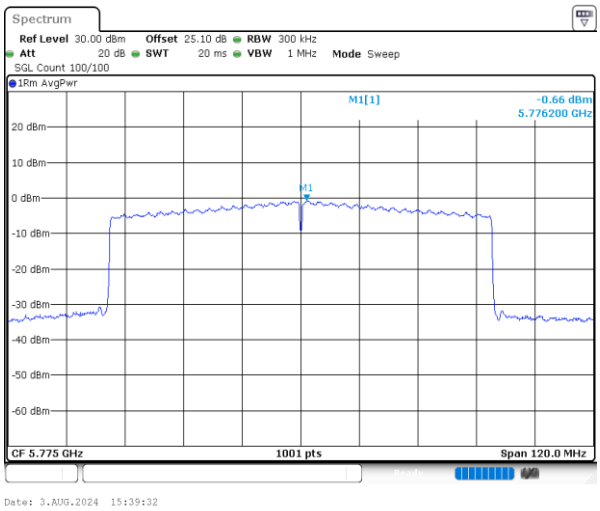
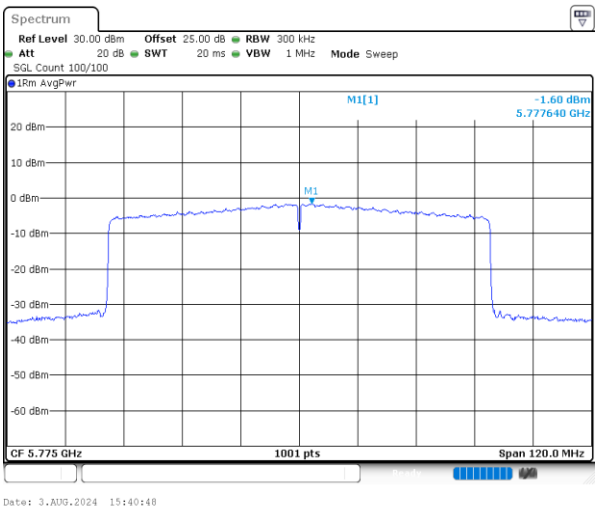
<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)	
MIMO Ant. 1	**MIMO Ant. 2**
	

Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)	
MIMO Ant. 1	**MIMO Ant. 2**
	

Note:

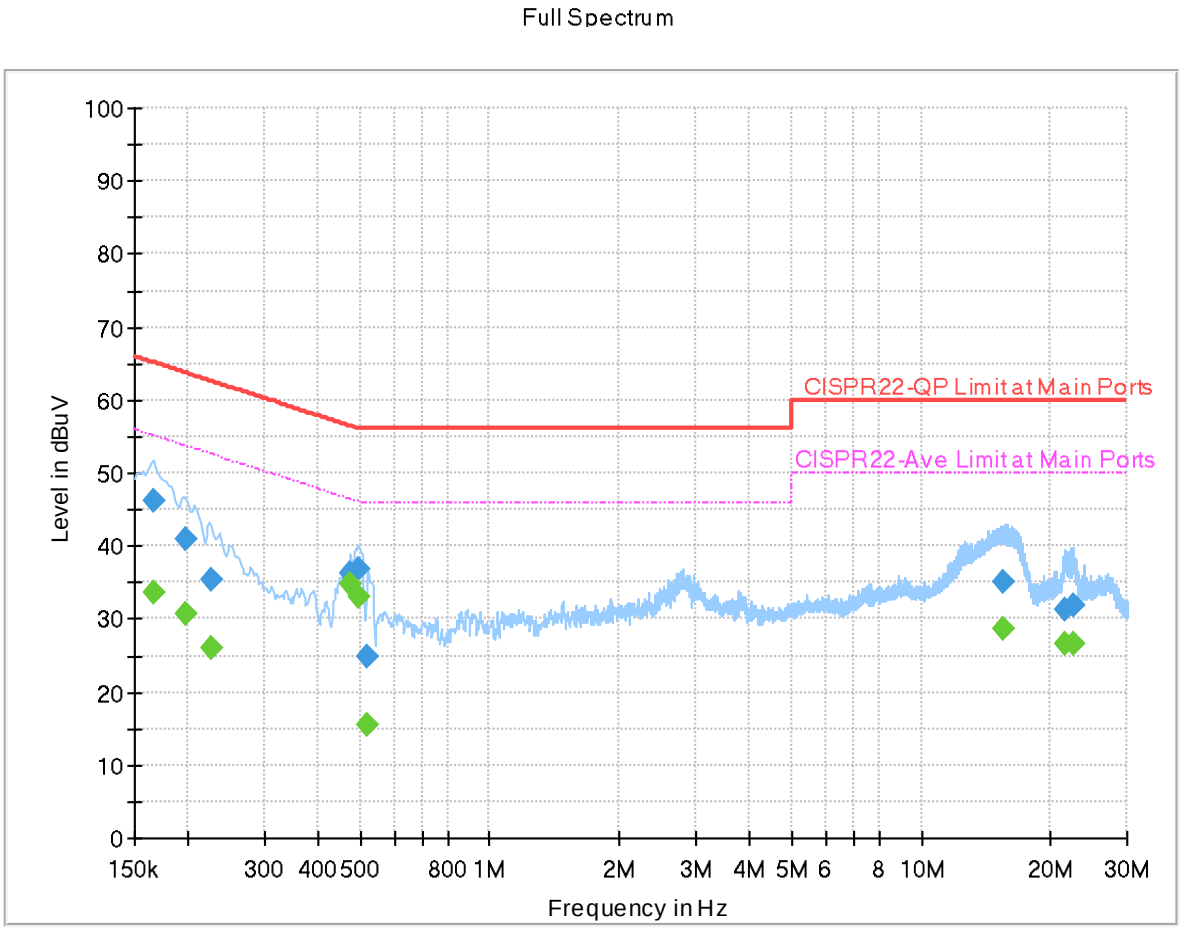
1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	23.8~26.7℃
		Relative Humidity :	43.6~55.5%

EUT Information

Report NO :	452223
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

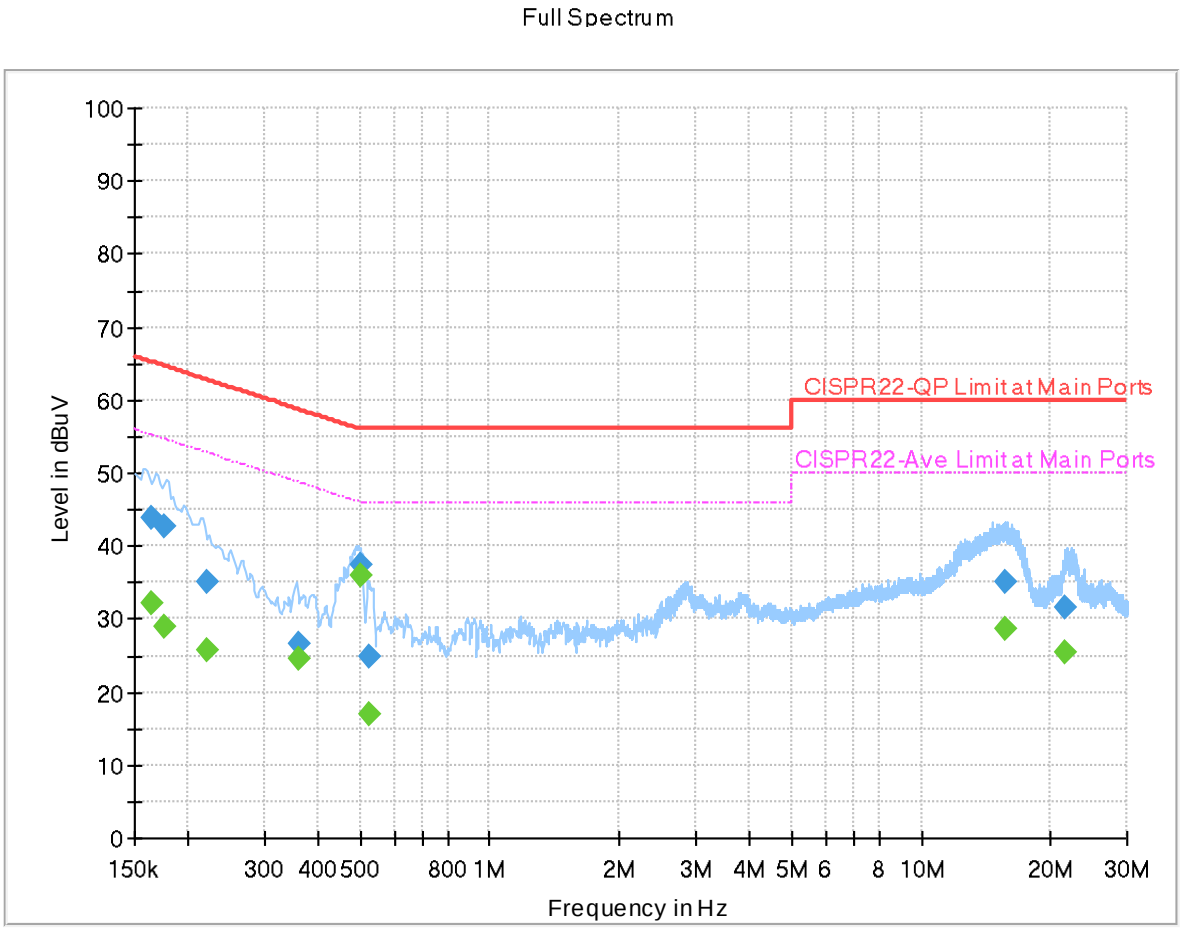


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.167100	---	33.71	55.10	21.39	L1	OFF	19.9
0.167100	46.29	---	65.10	18.81	L1	OFF	19.9
0.196620	---	30.71	53.75	23.04	L1	OFF	19.9
0.196620	40.96	---	63.75	22.79	L1	OFF	19.9
0.225420	---	26.00	52.62	26.62	L1	OFF	19.9
0.225420	35.45	---	62.62	27.17	L1	OFF	19.9
0.474450	---	34.84	46.44	11.60	L1	OFF	19.9
0.474450	36.37	---	56.44	20.07	L1	OFF	19.9
0.497580	---	32.98	46.04	13.06	L1	OFF	19.9
0.497580	36.93	---	56.04	19.11	L1	OFF	19.9
0.520890	---	15.54	46.00	30.46	L1	OFF	19.9
0.520890	24.76	---	56.00	31.24	L1	OFF	19.9
15.542160	---	28.63	50.00	21.37	L1	OFF	20.1
15.542160	34.99	---	60.00	25.01	L1	OFF	20.1
21.655500	---	26.59	50.00	23.41	L1	OFF	20.1
21.655500	31.35	---	60.00	28.65	L1	OFF	20.1
22.503300	---	26.57	50.00	23.43	L1	OFF	20.1
22.503300	31.85	---	60.00	28.15	L1	OFF	20.1

EUT Information

Report NO :	452223
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.163500	---	32.05	55.28	23.23	N	OFF	19.9
0.163500	43.98	---	65.28	21.30	N	OFF	19.9
0.176550	---	28.84	54.65	25.81	N	OFF	19.9
0.176550	42.69	---	64.65	21.96	N	OFF	19.9
0.219750	---	25.87	52.83	26.96	N	OFF	19.9
0.219750	35.17	---	62.83	27.66	N	OFF	19.9
0.359250	---	24.55	48.75	24.20	N	OFF	19.9
0.359250	26.58	---	58.75	32.17	N	OFF	19.9
0.501000	---	35.95	46.00	10.05	N	OFF	19.9
0.501000	37.47	---	56.00	18.53	N	OFF	19.9
0.523320	---	16.98	46.00	29.02	N	OFF	19.9
0.523320	24.99	---	56.00	31.01	N	OFF	19.9
15.729810	---	28.60	50.00	21.40	N	OFF	20.2
15.729810	35.21	---	60.00	24.79	N	OFF	20.2
21.640470	---	25.46	50.00	24.54	N	OFF	20.2
21.640470	31.72	---	60.00	28.28	N	OFF	20.2

Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	Fred Tseng and Karl Hou	Temperature :	18.2~20.5℃
		Relative Humidity :	54.2~62.1%

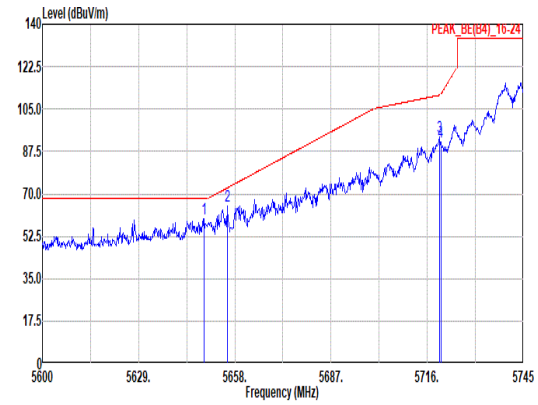
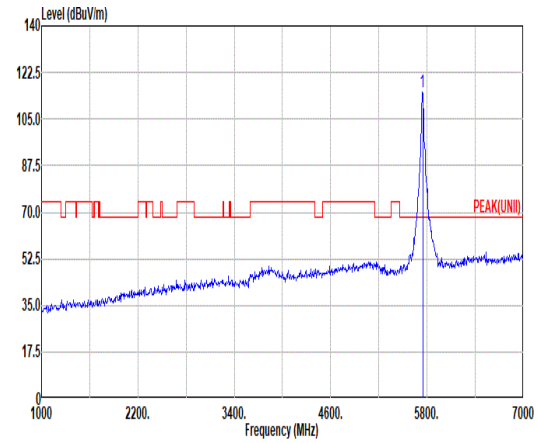
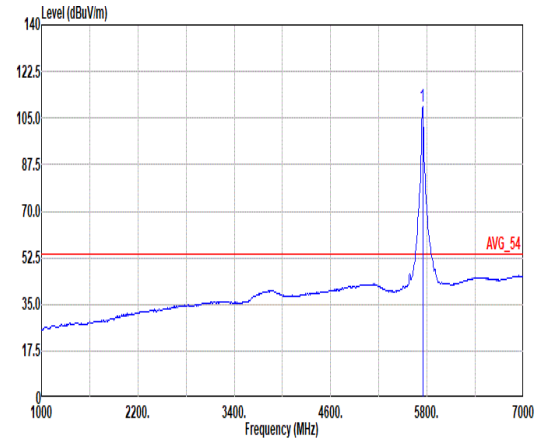
C1. Radiated Spurious Emission Test Modes

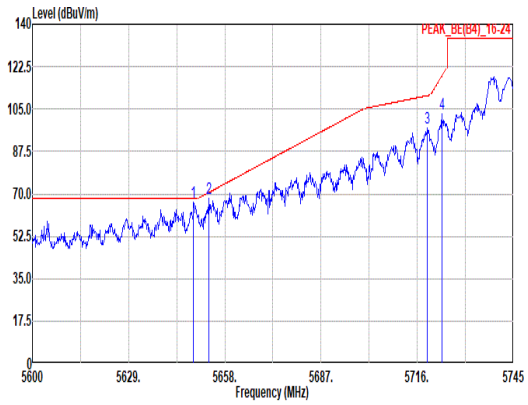
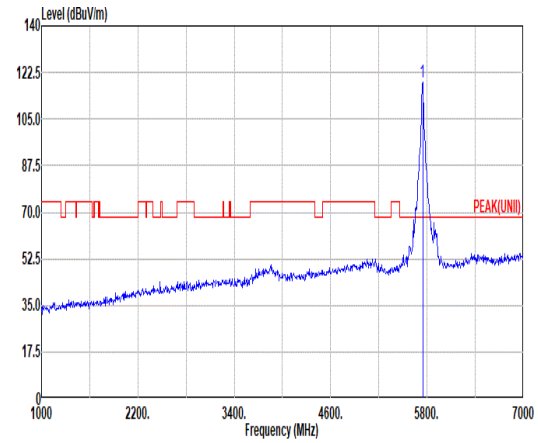
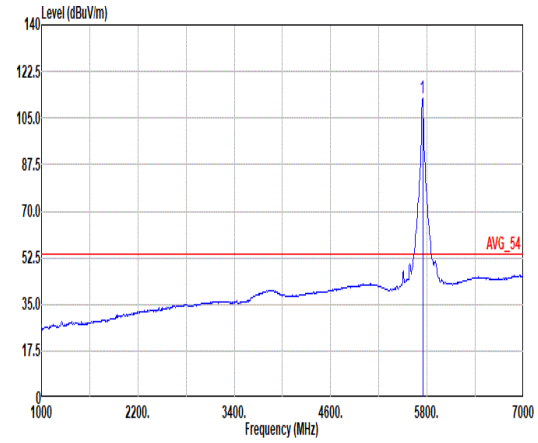
Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	U-NII-3	5.725-5.85	1+2 (CDD)	802.11a	149	5745	6Mbps	-	-
Mode 2	U-NII-3	5.725-5.85	1+2 (CDD)	802.11a	157	5785	6Mbps	-	-
Mode 3	U-NII-3	5.725-5.85	1+2 (CDD)	802.11a	165	5825	6Mbps	-	-
Mode 4	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ac VHT20	149	5745	MCS0	-	-
Mode 5	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ac VHT20	157	5785	MCS0	-	-
Mode 6	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ac VHT20	165	5825	MCS0	-	-
Mode 7	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ac VHT40	151	5755	MCS0	-	-
Mode 8	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ac VHT40	159	5795	MCS0	-	-
Mode 9	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ac VHT80	155	5775	MCS0	-	-
Mode 10	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ax HE20	149	5745	MCS0	Full RU	-
Mode 11	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ax HE20	157	5785	MCS0	Full RU	-
Mode 12	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ax HE20	165	5825	MCS0	Full RU	-
Mode 13	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ax HE40	151	5755	MCS0	Full RU	-
Mode 14	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ax HE40	159	5795	MCS0	Full RU	-
Mode 15	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ax HE80	155	5775	MCS0	Full RU	-
Mode 16	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ac VHT40	151	5755	MCS0	-	SHF
Mode 17	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ac VHT40	151	5755	MCS0	-	LF

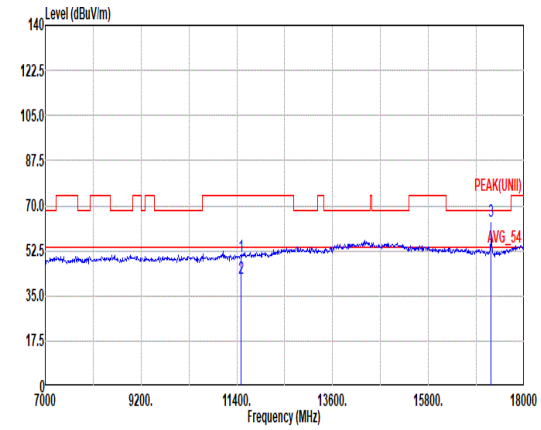
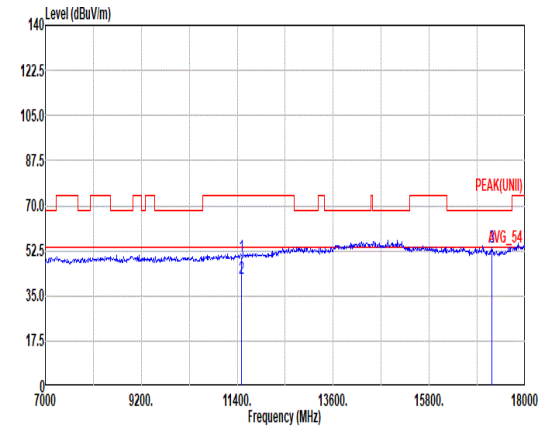
C2. Summary of each worse mode

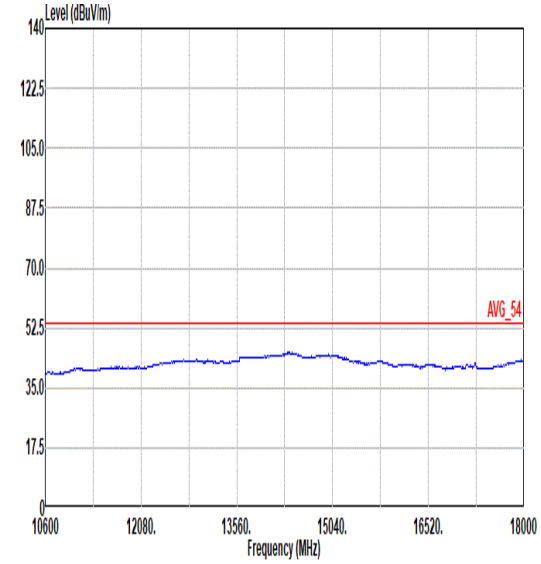
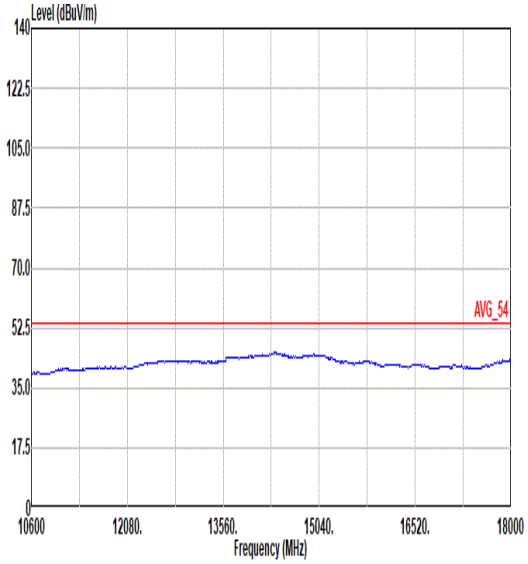
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
1	802.11a	149	5648.58	66.48	68.20	-1.72	V	Peak	Pass	-	Band Edge
	802.11a	149	17235.00	63.81	68.20	-4.39	H	Peak	Pass	-	Harmonic
2	802.11a	157	5922.94	61.79	69.72	-7.93	V	Peak	Pass	-	Band Edge
	802.11a	157	17355.00	64.26	68.20	-3.94	H	Peak	Pass	-	Harmonic
3	802.11a	165	5927.63	67.00	68.20	-1.20	V	Peak	Pass	-	Band Edge
	802.11a	165	17475.00	65.31	68.20	-2.89	H	Peak	Pass	-	Harmonic
4	802.11ac VHT20	149	5654.67	69.39	71.67	-2.28	V	Peak	Pass	-	Band Edge
	802.11ac VHT20	149	17235.00	62.84	68.20	-5.36	H	Peak	Pass	-	Harmonic
5	802.11ac VHT20	157	5935.81	63.14	68.20	-5.06	V	Peak	Pass	-	Band Edge
	802.11ac VHT20	157	17355.00	63.06	68.20	-5.14	H	Peak	Pass	-	Harmonic
6	802.11ac VHT20	165	5937.38	65.15	68.20	-3.05	V	Peak	Pass	-	Band Edge
	802.11ac VHT20	165	17475.00	58.84	68.20	-9.36	H	Peak	Pass	-	Harmonic
7	802.11ac VHT40	151	5645.11	67.23	68.20	-0.97	V	Peak	Pass	-	Band Edge
	802.11ac VHT40	151	17265.00	57.62	68.20	-10.58	H	Peak	Pass	-	Harmonic
8	802.11ac VHT40	159	5926.60	64.09	68.20	-4.11	V	Peak	Pass	-	Band Edge
	802.11ac VHT40	159	17385.00	56.73	68.20	-11.47	H	Peak	Pass	-	Harmonic
9	802.11ac VHT80	155	5647.95	67.07	68.20	-1.13	V	Peak	Pass	-	Band Edge
	802.11ac VHT80	155	11550.00	41.65	54.00	-12.35	V	Avg.	Pass	-	Harmonic
10	802.11ax HE20	149	5652.78	64.82	70.27	-5.45	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	149	17235.00	58.51	68.20	-9.69	H	Peak	Pass	Full RU	Harmonic
11	802.11ax HE20	157	5924.26	59.79	68.75	-8.96	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	157	17355.00	58.64	68.20	-9.56	H	Peak	Pass	Full RU	Harmonic

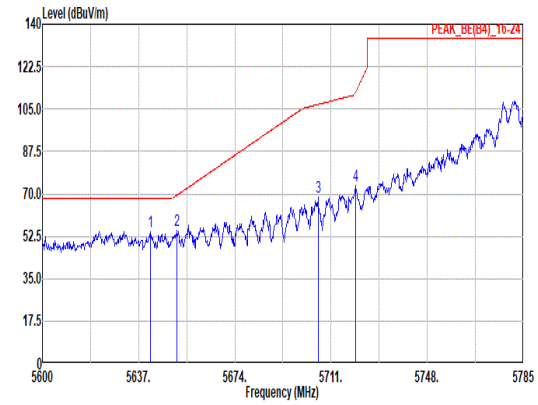
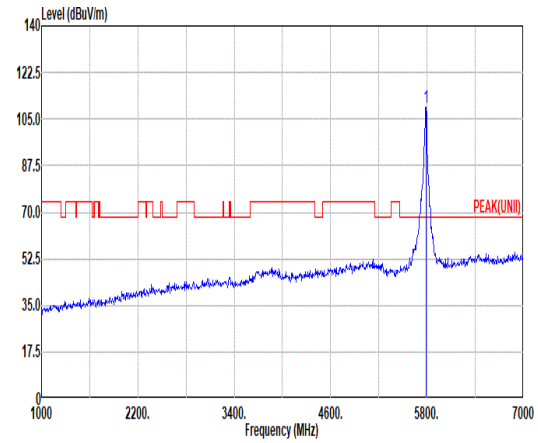
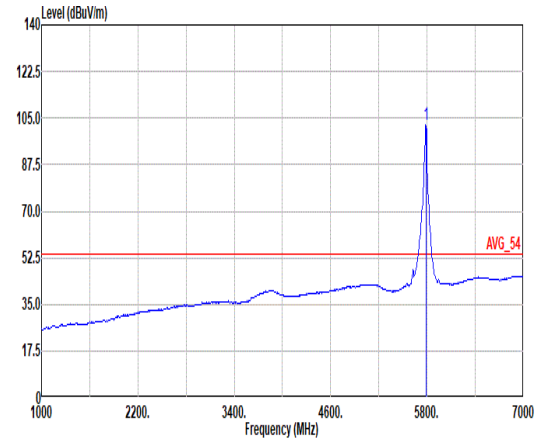
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
12	802.11ax HE20	165	5929.00	64.89	68.20	-3.31	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	165	17475.00	63.69	68.20	-4.51	H	Peak	Pass	Full RU	Harmonic
13	802.11ax HE40	151	5651.31	66.42	69.17	-2.75	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE40	151	11510.00	41.60	54.00	-12.40	V	Avg.	Pass	Full RU	Harmonic
14	802.11ax HE40	159	5943.34	64.69	68.20	-3.51	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE40	159	11590.00	41.68	54.00	-12.32	V	Avg.	Pass	Full RU	Harmonic
15	802.11ax HE80	155	5646.90	66.22	68.20	-1.98	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE80	155	11550.00	41.62	54.00	-12.38	H	Avg.	Pass	Full RU	Harmonic
16	SHF	151	38139.36	47.35	68.20	-20.85	V	Peak	Pass	-	SHF
17	LF	151	749.74	37.96	46.00	-8.04	H	Peak	Pass	-	LF

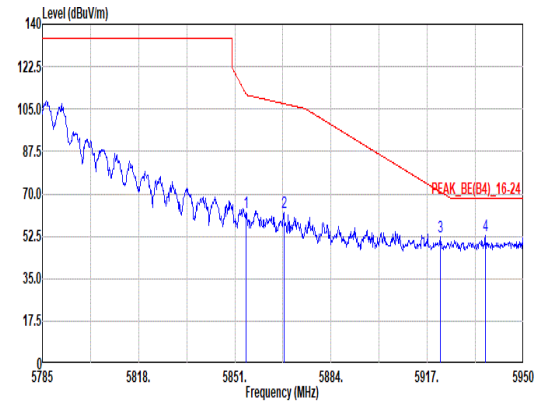
Mode	1	
	Band Edge	
	U-NII-3_5.725-5.85_802.11a_CH149_5745MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5648.72 59.67 68.20 -8.53 47.39 33.19 13.44 34.35 0.00 327 267 PEAK 2 5655.68 65.13 72.42 -7.29 52.78 33.26 13.45 34.36 0.00 327 267 PEAK 3 5719.63 93.34 110.70 -17.36 80.50 33.70 13.55 34.41 0.00 327 267 PEAK 4 5720.06 91.35 110.94 -19.59 78.51 33.70 13.55 34.41 0.00 327 267 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5745.00 115.21 ------ ------ 102.35 33.70 13.58 34.42 0.00 327 267 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz 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 5745.00 109.13 ------ ------ 96.27 33.70 13.59 34.43 0.00 327 267 AVERAGE

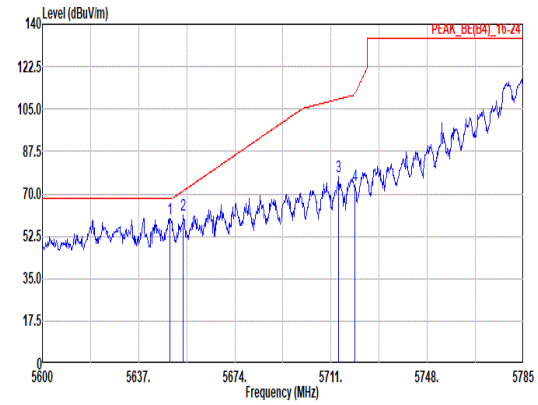
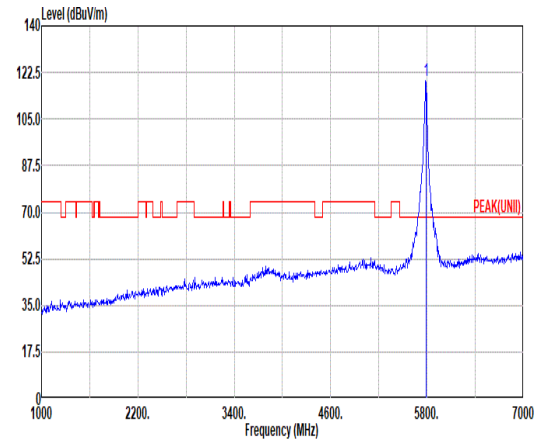
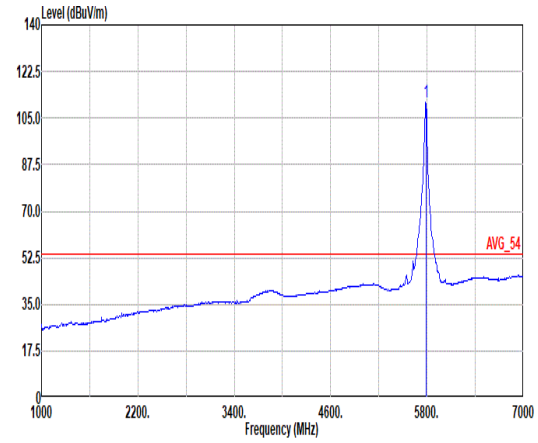
Mode	1	
	Band Edge	
	U-NII-3_5.725-5.85_802.11a_CH149_5745MHz	
ANT	1+2 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5648.58 66.48 68.20 -1.72 54.20 33.19 13.44 34.35 0.00 397 0 PEAK 2 5653.22 68.06 70.59 -2.53 55.74 33.23 13.45 34.36 0.00 397 0 PEAK 3 5719.05 97.16 110.53 -13.37 84.32 33.70 13.55 34.41 0.00 397 0 PEAK 4 5723.40 102.93 118.54 -15.61 90.08 33.70 13.56 34.41 0.00 397 0 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5745.00 118.76 ------ ------ 105.90 33.70 13.59 34.43 0.00 397 0 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:1.000kHz 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 5745.00 112.48 ------ ------ 99.62 33.70 13.59 34.43 0.00 397 0 AVERAGE

Mode	1	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH149_5745MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
Peak Avg.	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 50.45 74.00 -23.55 31.60 38.70 19.58 39.97 0.54 -- -- Peak 2 11490.00 41.50 54.00 -12.50 22.65 38.70 19.58 39.97 0.54 -- -- Average 3 17235.00 63.81 68.20 -4.39 44.96 40.40 24.08 46.27 0.64 194 302 Peak	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 50.45 74.00 -23.55 31.60 38.70 19.58 39.97 0.54 -- -- Peak 2 11490.00 41.68 54.00 -12.32 22.83 38.70 19.58 39.97 0.54 -- -- Average 3 17235.00 53.99 68.20 -14.21 35.14 40.40 24.08 46.27 0.64 -- -- Peak

Mode	1	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH149_5745MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL

Mode	2	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 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 5641.44 54.46 68.20 -13.74 42.23 33.15 13.43 34.35 0.00 400 98 PEAK 2 5651.80 55.03 69.54 -14.51 42.72 33.22 13.45 34.36 0.00 400 98 PEAK 3 5706.01 68.79 106.88 -38.09 55.96 33.70 13.53 34.40 0.00 400 98 PEAK 4 5720.44 73.57 111.79 -38.22 60.73 33.70 13.55 34.41 0.00 400 98 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5785.00 109.39 ------ ------ 96.50 33.70 13.64 34.45 0.00 400 98 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz 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 5785.00 102.35 ------ ------ 89.46 33.70 13.64 34.45 0.00 400 98 AVERAGE

Mode	2	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 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 5854.80 62.09 111.27 -49.18 49.19 33.70 13.71 34.51 0.00 400 98 PEAK 2 5867.83 62.16 107.21 -45.05 49.26 33.70 13.72 34.52 0.00 400 98 PEAK 3 5921.46 52.14 70.81 -18.67 39.24 33.70 13.76 34.56 0.00 400 98 PEAK 4 5936.97 52.79 68.20 -15.41 39.89 33.70 13.77 34.57 0.00 400 98 PEAK	Blank

Mode	2	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz	
ANT	1+2 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 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 5649.03 59.85 68.20 -8.35 47.57 33.19 13.44 34.35 0.00 400 1 PEAK 2 5654.21 61.46 71.32 -9.86 49.13 33.24 13.45 34.36 0.00 400 1 PEAK 3 5713.78 76.91 109.06 -32.15 64.07 33.70 13.54 34.40 0.00 400 1 PEAK 4 5720.25 73.25 111.37 -38.12 60.41 33.70 13.55 34.41 0.00 400 1 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5785.00 119.52 ------ ------ 106.63 33.70 13.64 34.45 0.00 400 1 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:1.000kHz 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 5785.00 110.91 ------ ------ 98.02 33.70 13.64 34.45 0.00 400 1 AVERAGE

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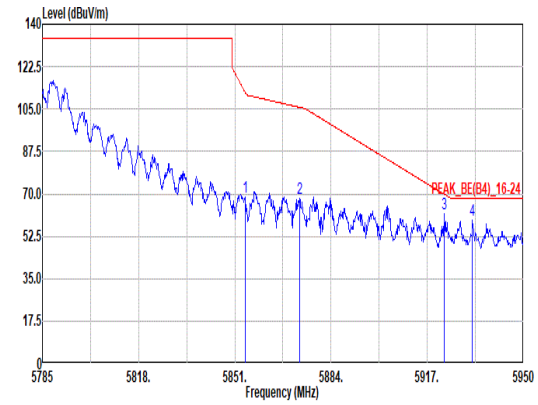
<tr><td colspan="2">Band Edge - R</td></tr>
<tr><td colspan="2">U-NII-3_5.725-5.85_802.11a_CH157_5785MHz</td></tr>
<tr><td>ANT</td><td colspan="2">1+2 (CDD)</td></tr>
<tr><td>Pol.</td><td>Vertical</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td>


Site : 03CH22-HY
Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5854.63</td><td>68.50</td><td>111.64</td><td>-43.14</td><td>55.60</td><td>33.70</td><td>13.71</td><td>34.51</td><td>0.00</td><td>400</td><td>1</td><td>PEAK</td></tr>
<tr><td>2</td><td>5873.28</td><td>67.99</td><td>105.68</td><td>-37.69</td><td>55.09</td><td>33.70</td><td>13.72</td><td>34.52</td><td>0.00</td><td>400</td><td>1</td><td>PEAK</td></tr>
<tr><td>3</td><td>5922.94</td><td>61.79</td><td>69.72</td><td>-7.93</td><td>48.89</td><td>33.70</td><td>13.76</td><td>34.56</td><td>0.00</td><td>400</td><td>1</td><td>PEAK</td></tr>
<tr><td>4</td><td>5932.51</td><td>59.04</td><td>68.20</td><td>-9.16</td><td>46.15</td><td>33.70</td><td>13.76</td><td>34.57</td><td>0.00</td><td>400</td><td>1</td><td>PEAK</td></tr>
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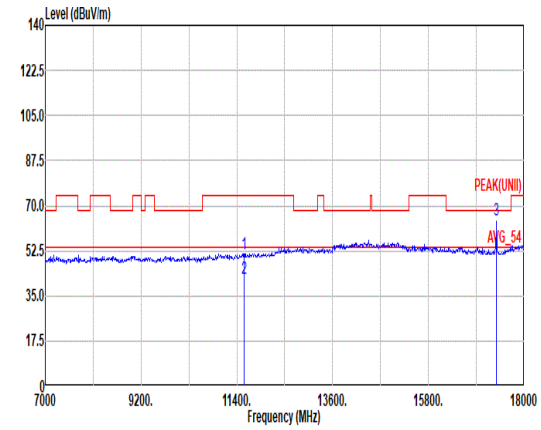
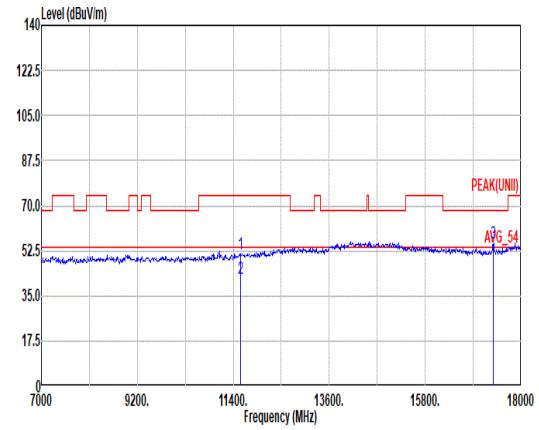
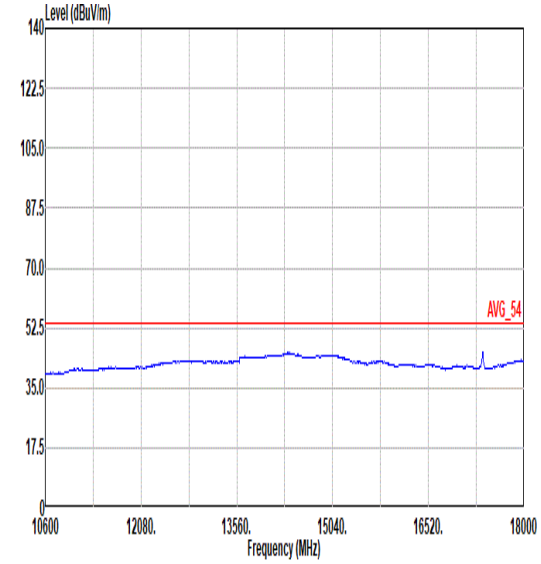
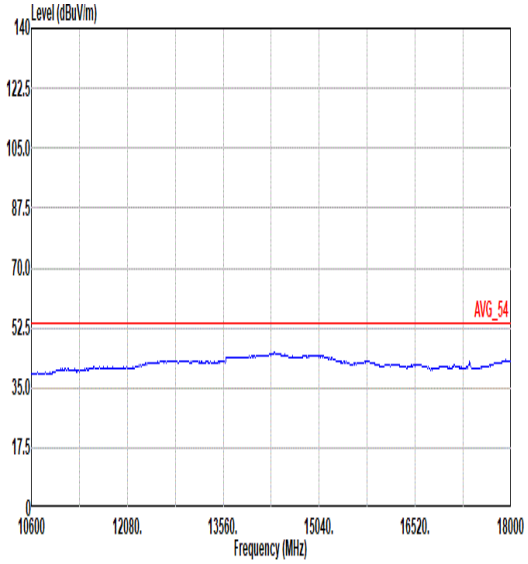
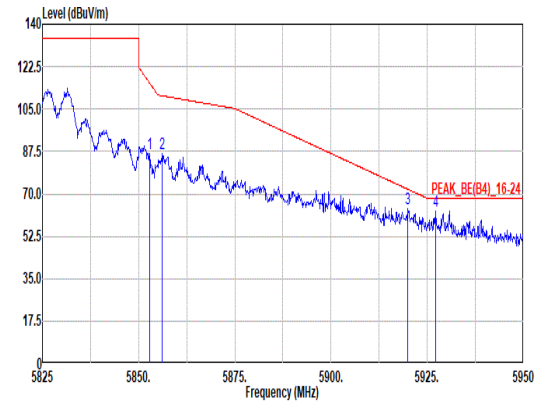
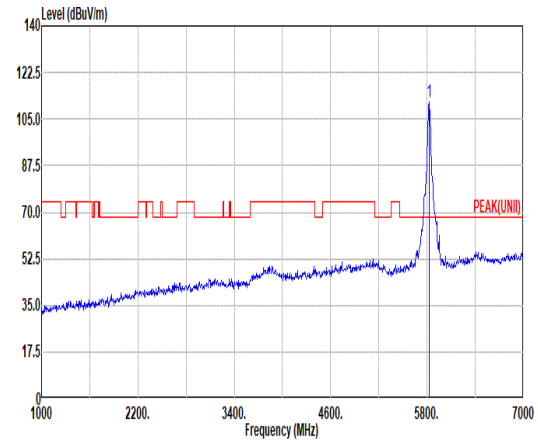
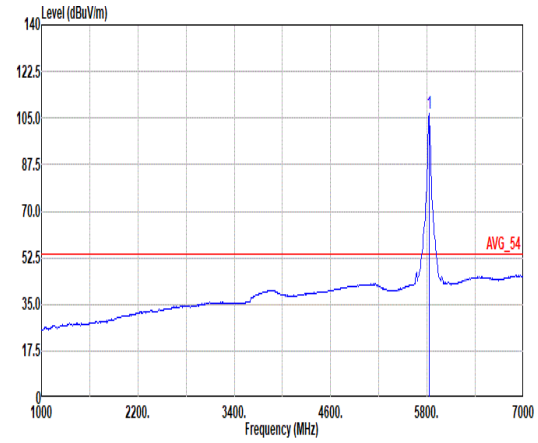
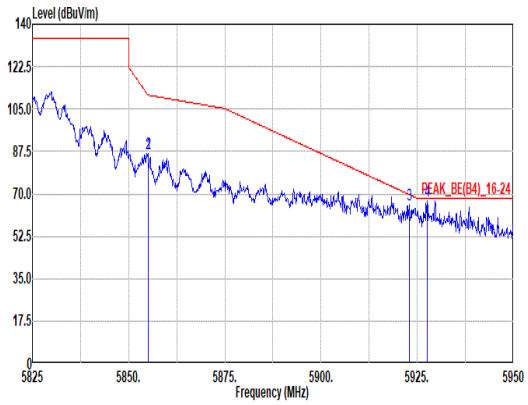
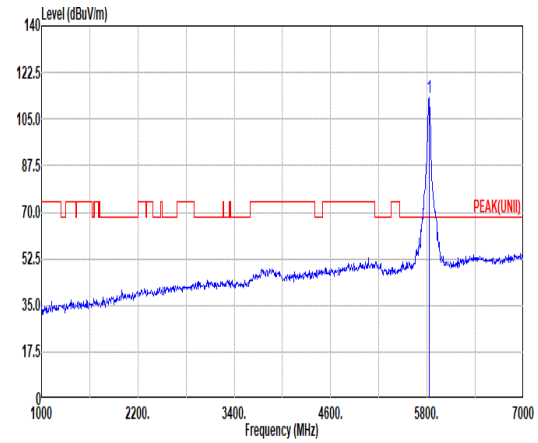
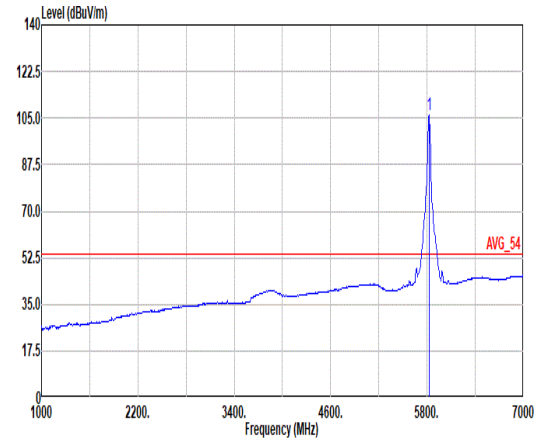
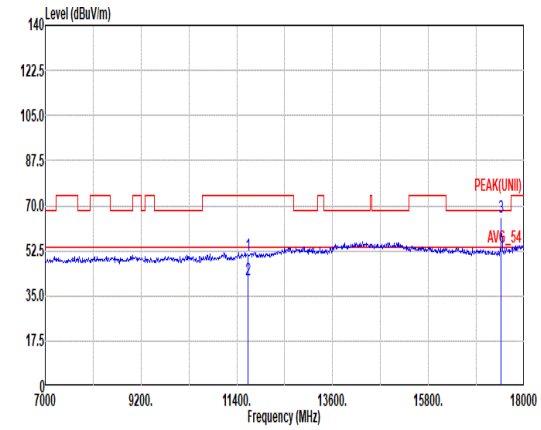
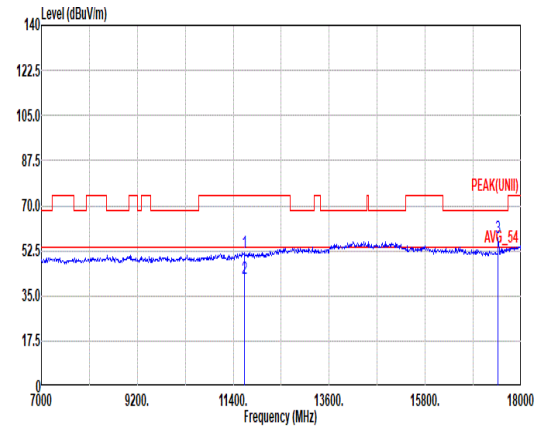
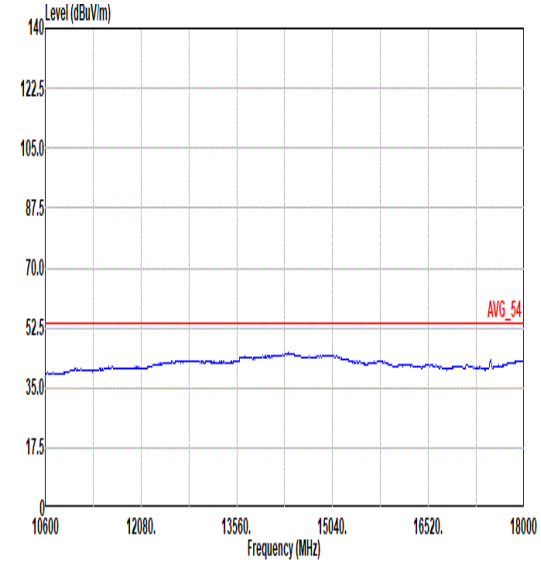
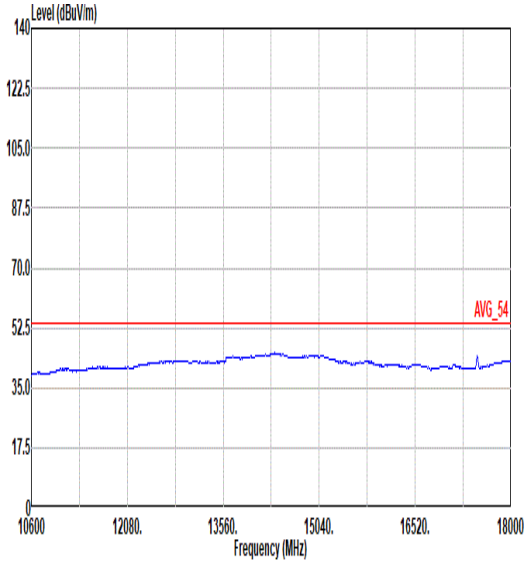
Mode	2	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
Peak Avg.	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11570.00 51.02 74.00 -22.98 32.08 38.80 19.65 40.05 0.54 -- -- Peak 2 11570.00 41.67 54.00 -12.33 22.73 38.80 19.65 40.05 0.54 -- -- Average 3 17355.00 64.26 68.20 -3.94 45.33 40.51 24.17 46.40 0.65 208 198 Peak	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 51.11 74.00 -22.89 32.17 38.80 19.65 40.05 0.54 -- -- Peak 2 11570.00 41.59 54.00 -12.41 22.65 38.80 19.65 40.05 0.54 -- -- Average 3 17355.00 55.37 68.20 -12.83 36.44 40.51 24.17 46.40 0.65 -- -- Peak

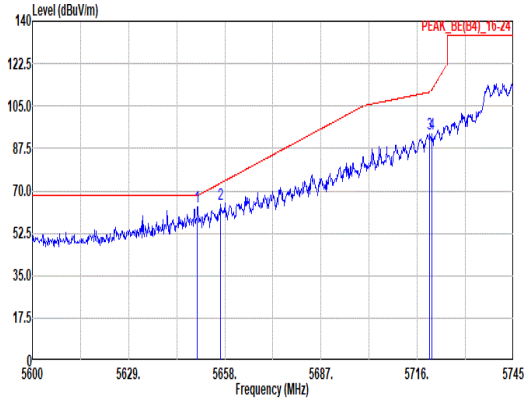
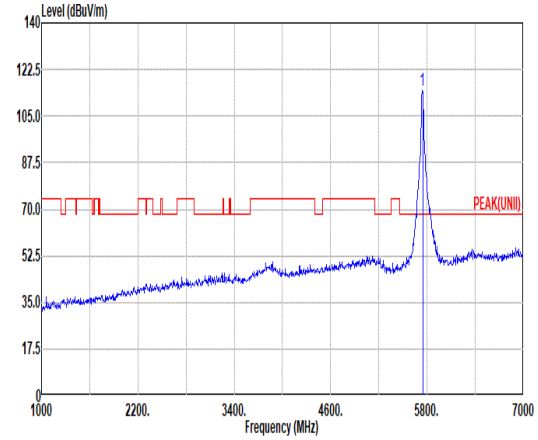
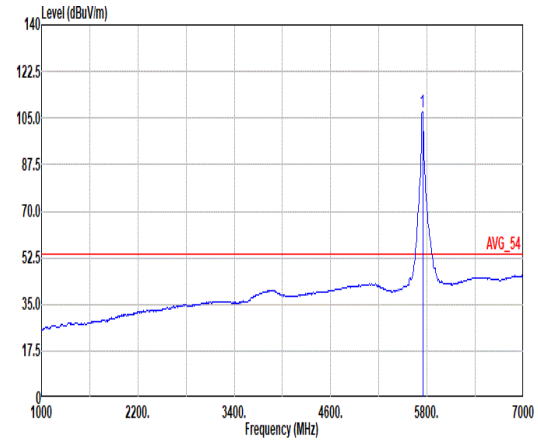
Mode	2	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL

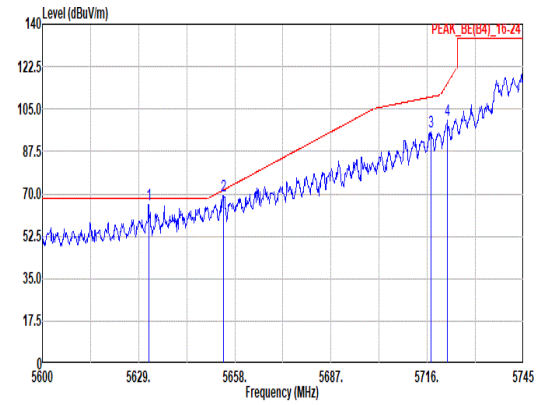
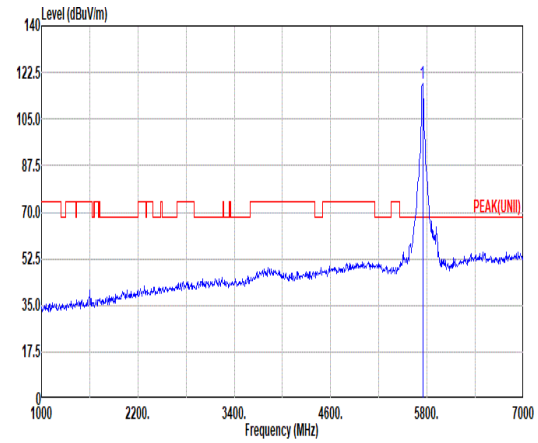
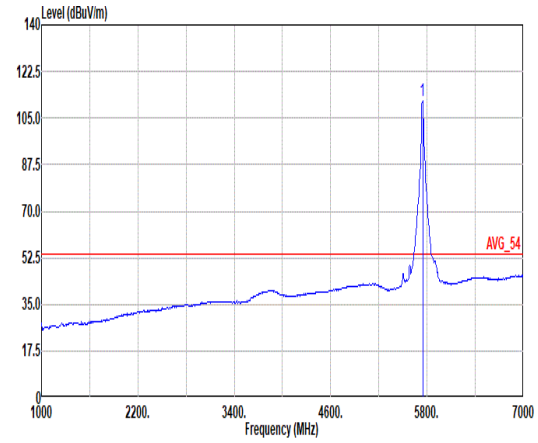
Mode	3	
	Band Edge	
	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5852.88 86.48 115.64 -29.16 73.58 33.70 13.71 34.51 0.00 300 108 PEAK 2 5856.13 86.75 110.48 -23.73 73.85 33.70 13.71 34.51 0.00 300 108 PEAK 3 5919.88 63.84 71.98 -8.14 50.95 33.70 13.75 34.56 0.00 300 108 PEAK 4 5927.25 62.84 68.20 -5.36 49.94 33.70 13.76 34.56 0.00 300 108 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5825.00 111.72 ------ ------ 98.82 33.70 13.69 34.49 0.00 300 108 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz 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 5825.00 106.59 ------ ------ 93.69 33.70 13.69 34.49 0.00 300 108 AVERAGE

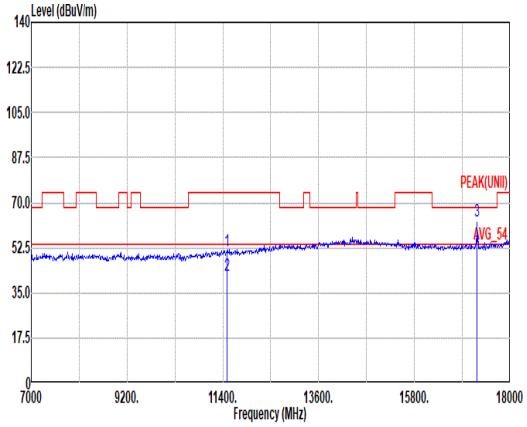
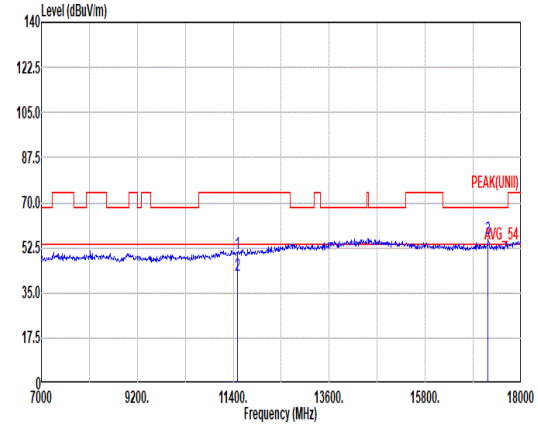
Mode	3	
	Band Edge	
	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz	
ANT	1+2 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5855.00 86.56 110.80 -24.24 73.66 33.70 13.71 34.51 0.00 400 335 PEAK 2 5855.00 86.56 110.80 -24.24 73.66 33.70 13.71 34.51 0.00 400 335 PEAK 3 5922.88 65.49 69.77 -4.28 52.59 33.70 13.76 34.56 0.00 400 335 PEAK 4 5927.63 67.00 68.20 -1.20 54.10 33.70 13.76 34.56 0.00 400 335 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5825.00 112.84 ------ ------ 99.94 33.70 13.69 34.49 0.00 400 335 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:1.000kHz 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 5825.00 106.34 ------ ------ 93.44 33.70 13.69 34.49 0.00 400 335 AVERAGE

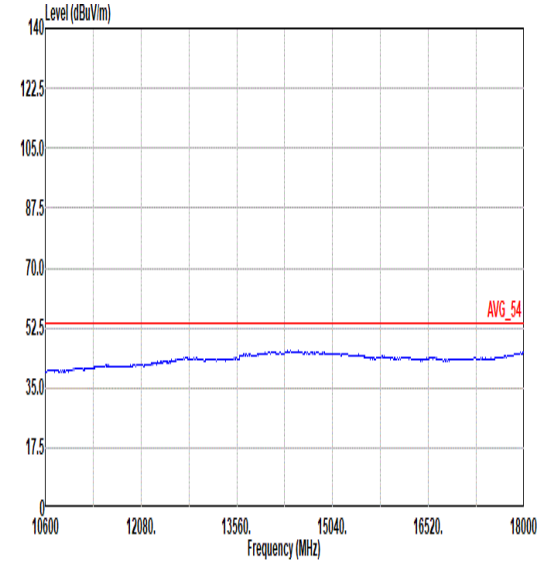
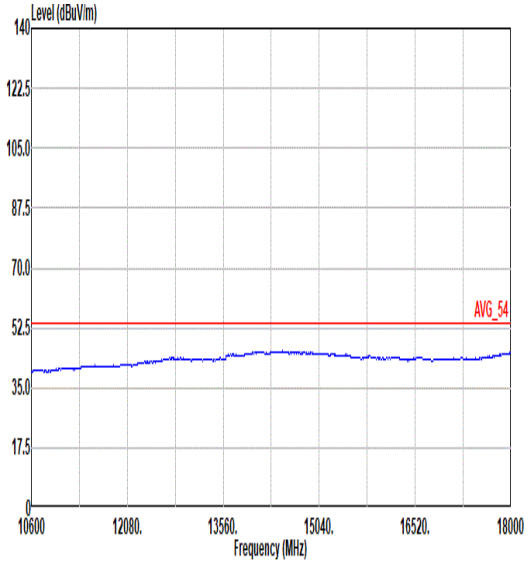
Mode	3	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
Peak Avg.	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11650.00 50.89 74.00 -23.11 31.96 38.80 19.72 40.14 0.55 -- -- Peak 2 11650.00 41.47 54.00 -12.53 22.54 38.80 19.72 40.14 0.55 -- -- Average 3 17475.00 65.31 68.20 -2.89 46.27 40.65 24.26 46.52 0.65 207 199 Peak	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 51.70 74.00 -22.30 32.77 38.80 19.72 40.14 0.55 -- -- Peak 2 11650.00 41.56 54.00 -12.44 22.63 38.80 19.72 40.14 0.55 -- -- Average 3 17475.00 57.61 68.20 -10.59 38.57 40.65 24.26 46.52 0.65 -- -- Peak

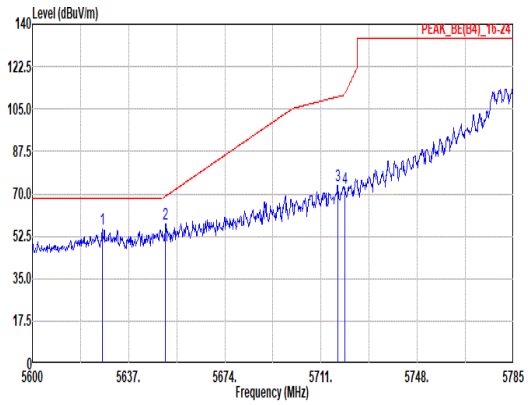
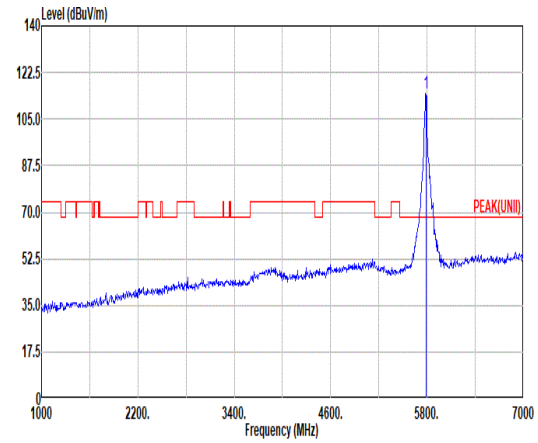
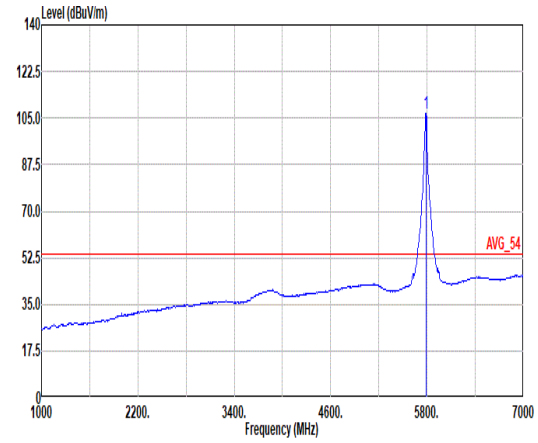
Mode	3	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL

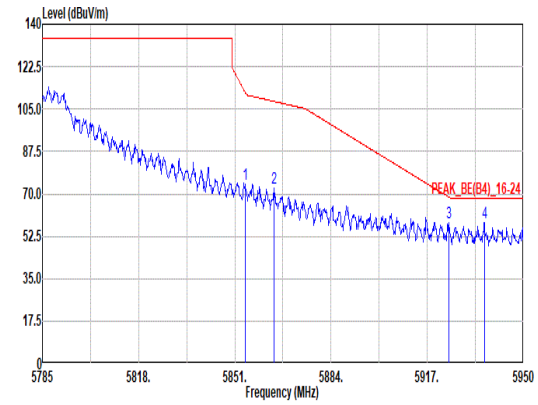
Mode	4	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ac VHT20_CH149_5745MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5649.74 63.35 68.20 -4.85 51.06 33.20 13.44 34.35 0.00 318 268 PEAK 2 5656.70 64.37 73.17 -8.80 52.00 33.27 13.46 34.36 0.00 318 268 PEAK 3 5719.77 93.46 110.74 -17.28 80.62 33.70 13.55 34.41 0.00 318 268 PEAK 4 5720.35 93.68 111.60 -17.92 80.84 33.70 13.55 34.41 0.00 318 268 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5745.00 114.47 ------ ------ 101.61 33.70 13.58 34.42 0.00 318 268 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz 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 5745.00 107.21 ------ ------ 94.35 33.70 13.59 34.43 0.00 318 268 AVERAGE

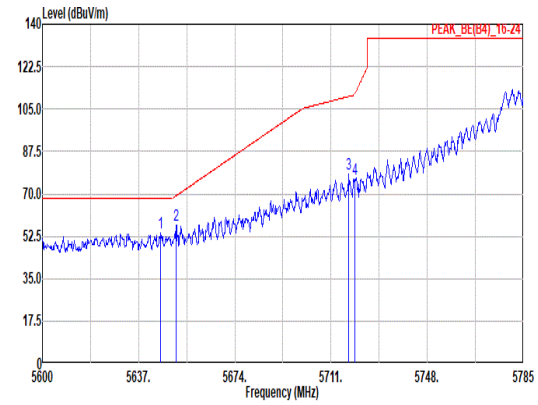
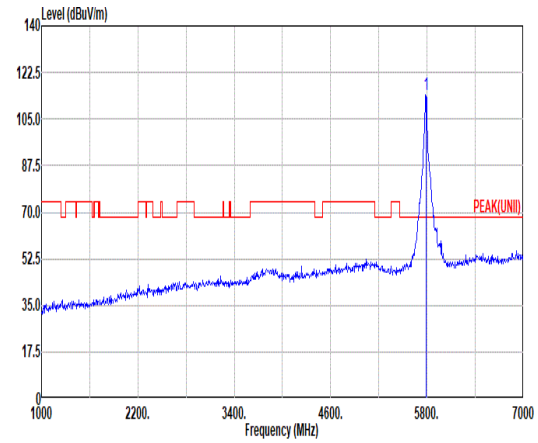
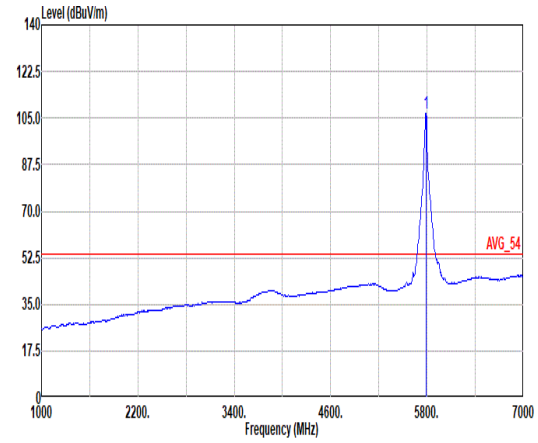
Mode	4	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ac VHT20_CH149_5745MHz	
ANT	1+2 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5632.05 65.65 68.20 -2.55 53.48 33.09 13.42 34.34 0.00 399 0 PEAK 2 5654.67 69.39 71.67 -2.28 57.05 33.25 13.45 34.36 0.00 399 0 PEAK 3 5717.16 95.67 110.01 -14.34 82.83 33.70 13.55 34.41 0.00 399 0 PEAK 4 5722.09 100.30 115.57 -15.27 87.46 33.70 13.55 34.41 0.00 399 0 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5745.00 118.18 ------ ------ 105.32 33.70 13.59 34.43 0.00 399 0 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:1.000kHz 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 5745.00 111.57 ------ ------ 98.71 33.70 13.59 34.43 0.00 399 0 AVERAGE

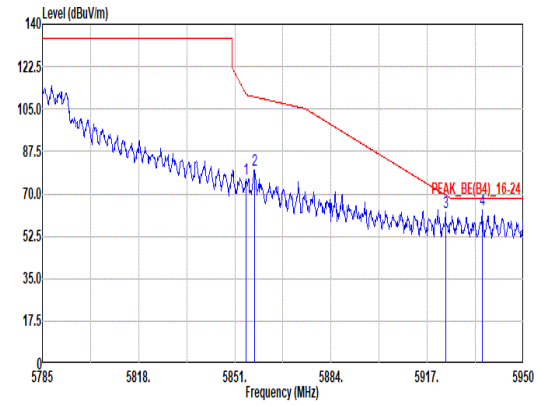
Mode	4	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ac VHT20_CH149_5745MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
Peak Avg.	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11490.00 51.14 74.00 -22.86 32.29 38.70 19.58 39.97 0.54 -- -- Peak 2 11490.00 41.55 54.00 -12.45 22.70 38.70 19.58 39.97 0.54 -- -- Average 3 17235.00 62.84 68.20 -5.36 43.99 40.40 24.08 46.27 0.64 192 302 Peak	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 50.34 74.00 -23.66 31.49 38.70 19.58 39.97 0.54 -- -- Peak 2 11490.00 41.61 54.00 -12.39 22.76 38.70 19.58 39.97 0.54 -- -- Average 3 17235.00 56.12 68.20 -12.08 37.27 40.40 24.08 46.27 0.64 -- -- Peak

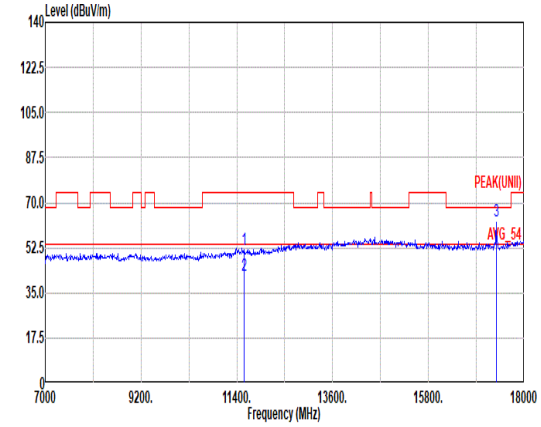
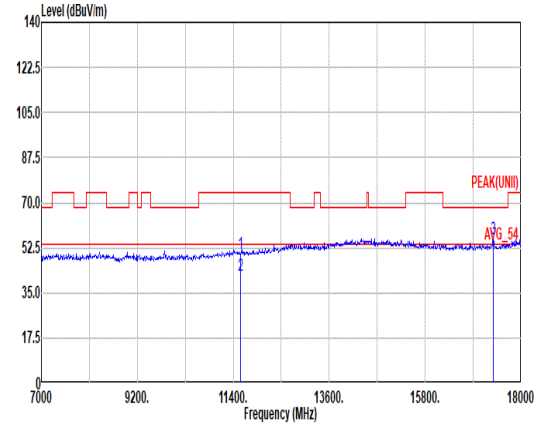
Mode	4	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ac VHT20_CH149_5745MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL

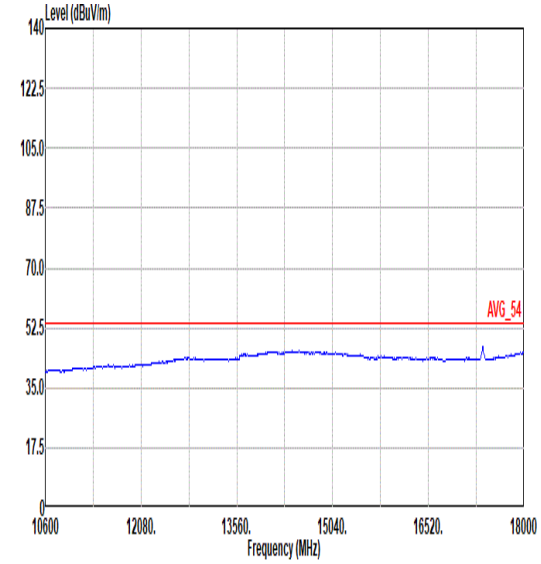
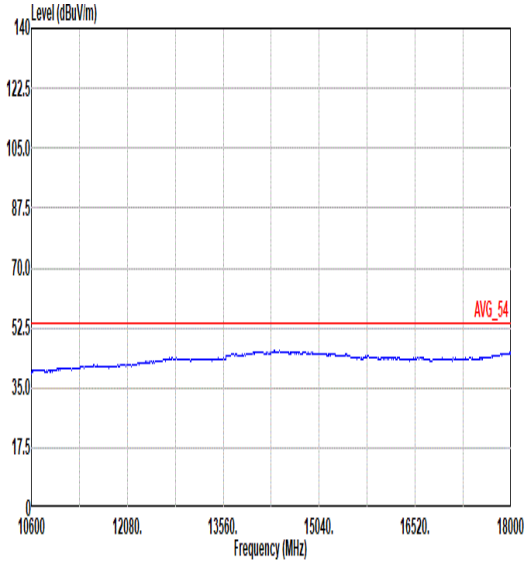
Mode	5	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ac VHT20_CH157_5785MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5626.83 55.64 68.20 -12.56 43.51 33.06 13.41 34.34 0.00 293 268 PEAK 2 5651.25 57.43 69.13 -11.70 45.12 33.21 13.45 34.35 0.00 293 268 PEAK 3 5717.48 73.56 110.09 -36.53 60.72 33.70 13.55 34.41 0.00 293 268 PEAK 4 5720.25 72.51 111.37 -38.86 59.67 33.70 13.55 34.41 0.00 293 268 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5785.00 114.89 ------ ------ 102.00 33.70 13.64 34.45 0.00 293 268 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz 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 5785.00 106.80 ------ ------ 93.91 33.70 13.65 34.46 0.00 293 268 AVERAGE

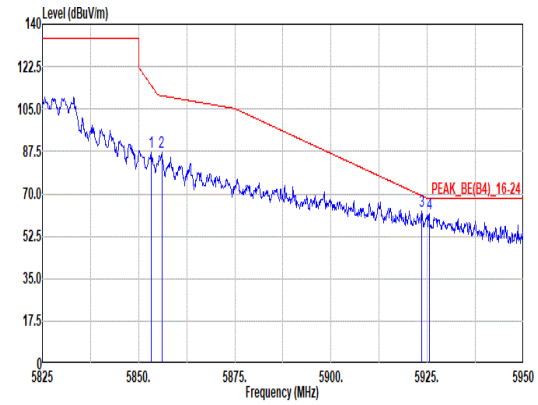
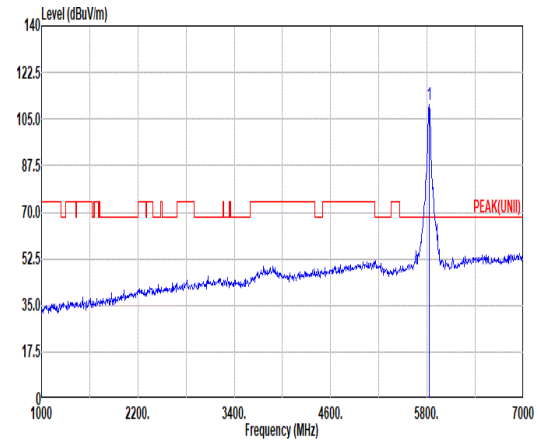
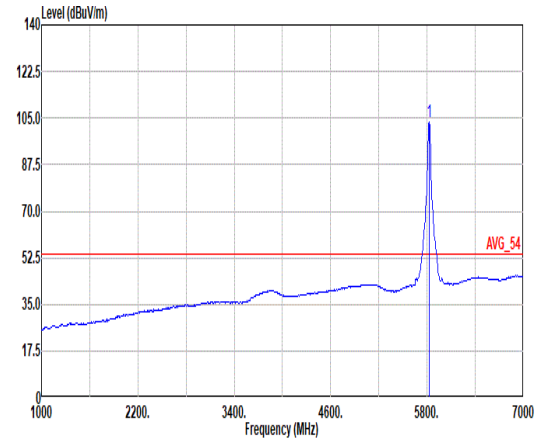
Mode	5	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ac VHT20_CH157_5785MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.47 73.98 112.02 -38.04 61.08 33.70 13.71 34.51 0.00 293 268 PEAK 2 5864.53 72.19 108.13 -35.94 59.29 33.70 13.72 34.52 0.00 293 268 PEAK 3 5924.43 58.26 68.62 -10.36 45.36 33.70 13.76 34.56 0.00 293 268 PEAK 4 5936.64 58.18 68.20 -10.02 45.28 33.70 13.77 34.57 0.00 293 268 PEAK	Blank

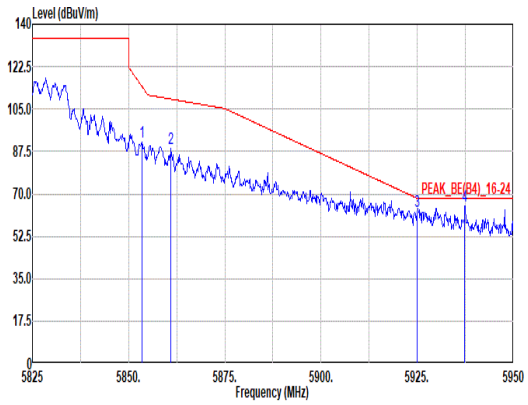
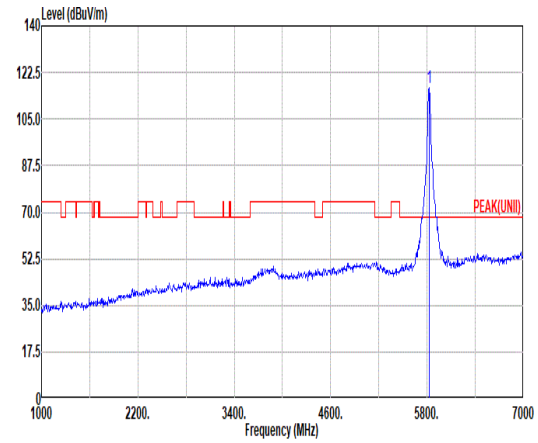
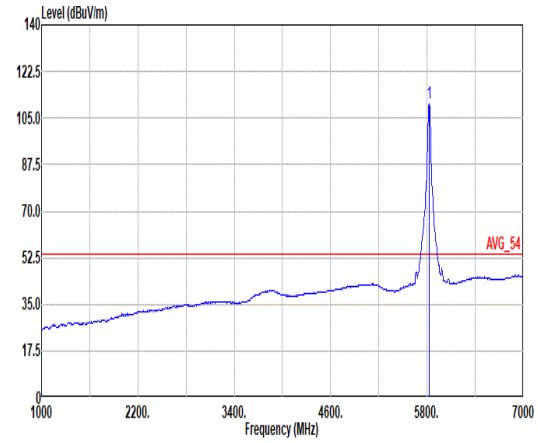
Mode	5	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ac VHT20_CH157_5785MHz	
ANT	1+2 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5645.51 53.77 68.20 -14.43 41.51 33.17 13.44 34.35 0.00 400 291 PEAK 2 5651.43 56.94 69.26 -12.32 44.64 33.21 13.45 34.36 0.00 400 291 PEAK 3 5717.85 77.93 110.20 -32.27 65.09 33.70 13.55 34.41 0.00 400 291 PEAK 4 5720.25 76.27 111.37 -35.10 63.43 33.70 13.55 34.41 0.00 400 291 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5785.00 114.03 ------ ------ 101.14 33.70 13.64 34.45 0.00 400 291 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:1.000kHz 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 5785.00 106.91 ------ ------ 94.02 33.70 13.64 34.45 0.00 400 291 AVERAGE

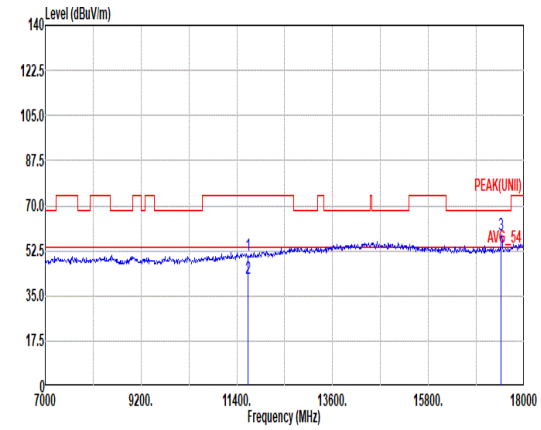
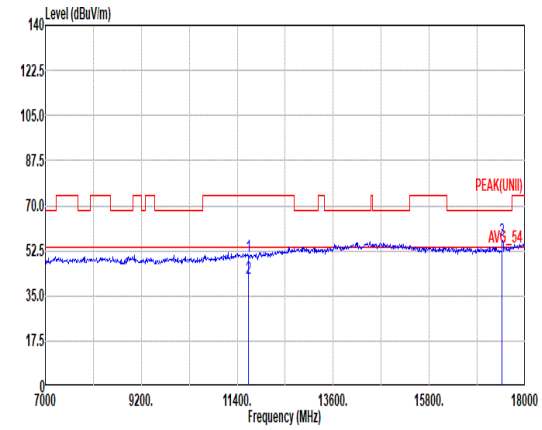
Mode	5	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ac VHT20_CH157_5785MHz	
ANT	1+2 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable 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 76.11 110.89 -34.78 63.21 33.70 13.71 34.51 0.00 400 291 PEAK 2 5857.77 79.90 110.02 -30.12 67.00 33.70 13.71 34.51 0.00 400 291 PEAK 3 5923.27 62.58 69.47 -6.89 49.68 33.70 13.76 34.56 0.00 400 291 PEAK 4 5935.81 63.14 68.20 -5.06 50.24 33.70 13.77 34.57 0.00 400 291 PEAK	Blank

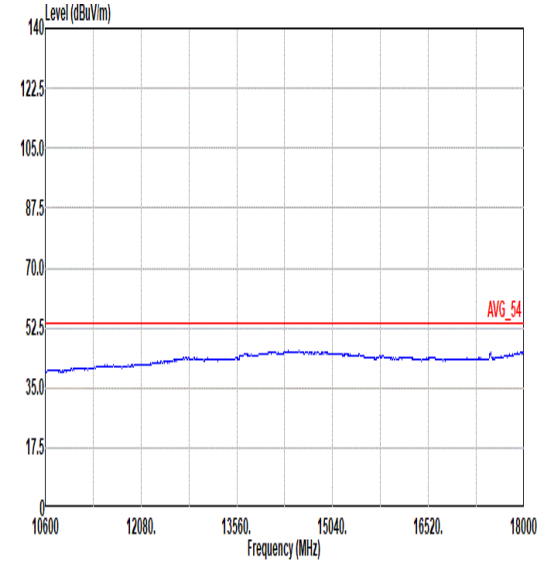
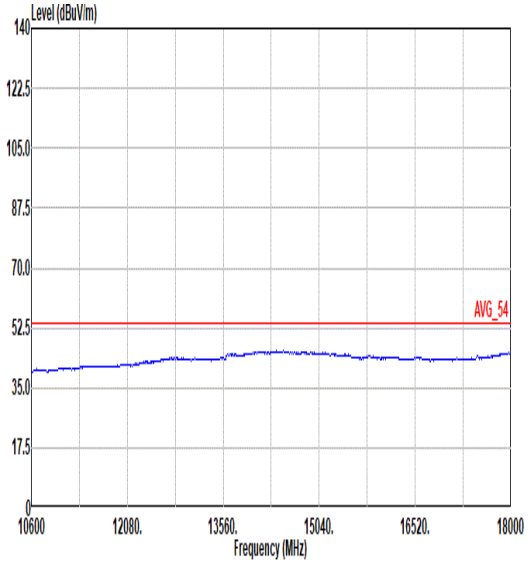
Mode	5	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ac VHT20_CH157_5785MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
Peak Avg.	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11570.00 51.52 74.00 -22.48 32.58 38.80 19.65 40.05 0.54 -- -- Peak 2 11570.00 41.81 54.00 -12.19 22.87 38.80 19.65 40.05 0.54 -- -- Average 3 17355.00 63.06 68.20 -5.14 44.13 40.51 24.17 46.40 0.65 202 197 Peak	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 50.40 74.00 -23.60 31.46 38.80 19.65 40.05 0.54 -- -- Peak 2 11570.00 41.73 54.00 -12.27 22.79 38.80 19.65 40.05 0.54 -- -- Average 3 17355.00 56.16 68.20 -12.04 37.23 40.51 24.17 46.40 0.65 -- -- Peak

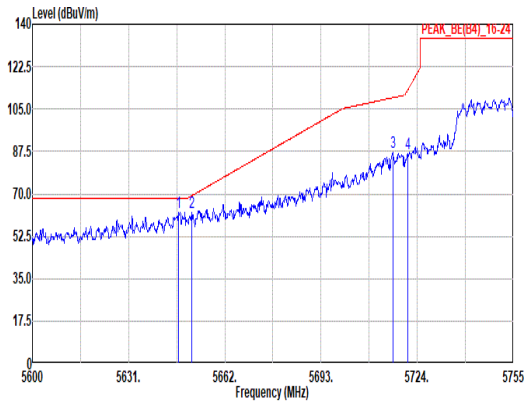
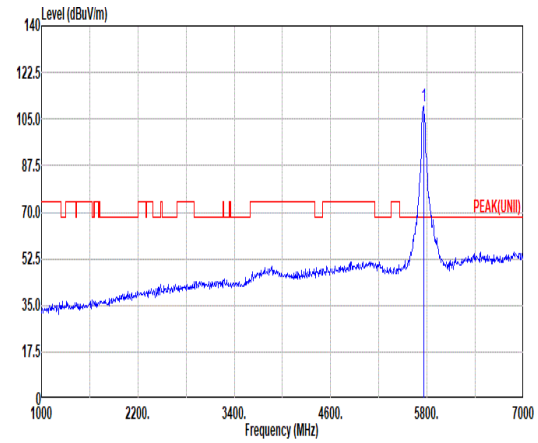
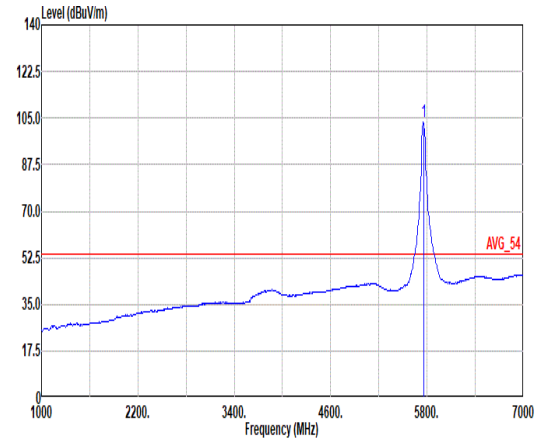
Mode	5	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ac VHT20_CH157_5785MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL

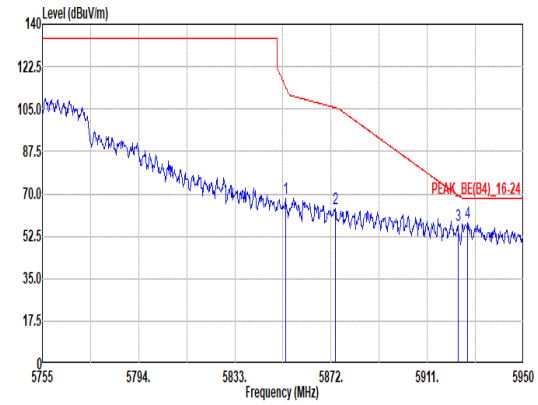
Mode	6	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ac VHT20_CH165_5825MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5853.25 87.26 114.79 -27.53 74.36 33.70 13.71 34.51 0.00 300 116 PEAK 2 5856.00 87.17 110.52 -23.35 74.27 33.70 13.71 34.51 0.00 300 116 PEAK 3 5923.63 63.06 69.21 -6.15 50.16 33.70 13.76 34.56 0.00 300 116 PEAK 4 5925.50 61.72 68.20 -6.48 48.82 33.70 13.76 34.56 0.00 300 116 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5825.00 110.21 ------ ------ 97.31 33.70 13.69 34.49 0.00 300 116 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz 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 5825.00 103.46 ------ ------ 90.56 33.70 13.69 34.49 0.00 300 116 AVERAGE

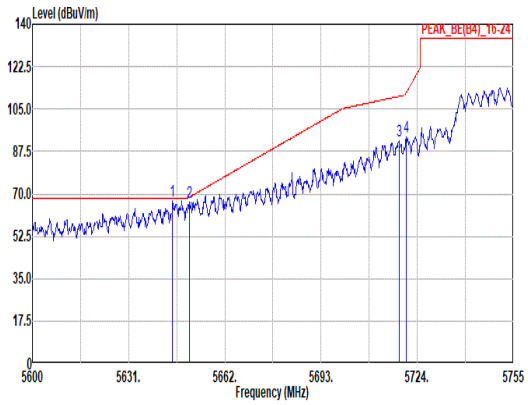
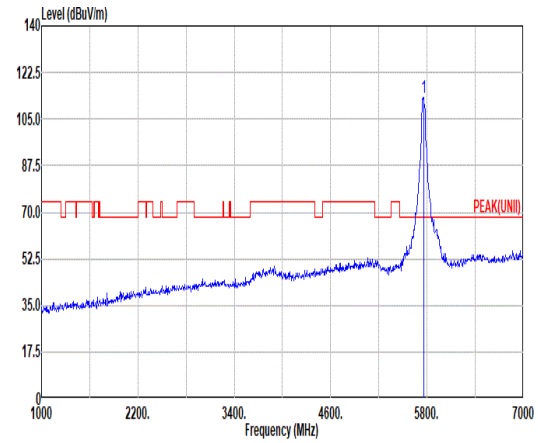
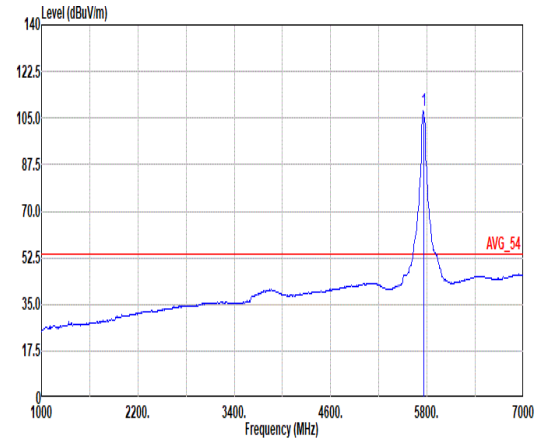
Mode	6	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ac VHT20_CH165_5825MHz	
ANT	1+2 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5853.50 91.53 114.22 -22.69 78.63 33.70 13.71 34.51 0.00 326 101 PEAK 2 5861.00 88.86 109.12 -20.26 75.96 33.70 13.71 34.51 0.00 326 101 PEAK 3 5924.88 62.70 68.29 -5.59 49.80 33.70 13.76 34.56 0.00 326 101 PEAK 4 5937.38 65.15 68.20 -3.05 52.25 33.70 13.77 34.57 0.00 326 101 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5825.00 116.95 ------ ------ 104.05 33.70 13.69 34.49 0.00 326 101 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:1.000kHz 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 5825.00 110.67 ------ ------ 97.77 33.70 13.69 34.49 0.00 326 101 AVERAGE

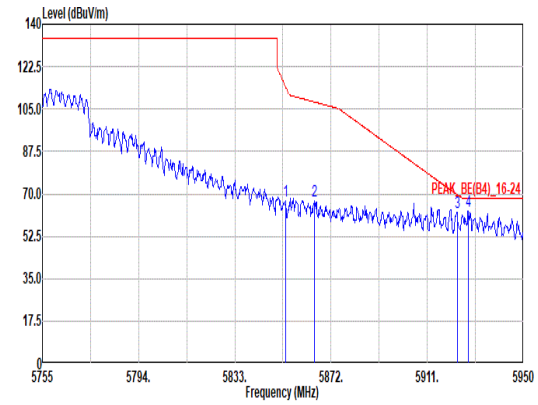
Mode	6	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ac VHT20_CH165_5825MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
Peak Avg.	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11650.00 50.47 74.00 -23.53 31.54 38.80 19.72 40.14 0.55 -- -- Peak 2 11650.00 41.52 54.00 -12.48 22.59 38.80 19.72 40.14 0.55 -- -- Average 3 17475.00 58.84 68.20 -9.36 39.80 40.65 24.26 46.52 0.65 -- -- Peak	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 50.30 74.00 -23.70 31.37 38.80 19.72 40.14 0.55 -- -- Peak 2 11650.00 41.56 54.00 -12.44 22.63 38.80 19.72 40.14 0.55 -- -- Average 3 17475.00 56.38 68.20 -11.82 37.34 40.65 24.26 46.52 0.65 -- -- Peak

Mode	6	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ac VHT20_CH165_5825MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL

Mode	7	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ac VHT40_CH151_5755MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 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 5646.97 62.43 68.20 -5.77 50.16 33.18 13.44 34.35 0.00 322 260 PEAK 2 5651.31 62.47 69.17 -6.70 50.16 33.21 13.45 34.35 0.00 322 260 PEAK 3 5716.10 87.09 109.71 -22.62 74.25 33.70 13.54 34.40 0.00 322 260 PEAK 4 5721.06 86.89 113.21 -26.32 74.05 33.70 13.55 34.41 0.00 322 260 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5755.00 110.04 ------ ------ 97.17 33.70 13.61 34.44 0.00 322 260 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz 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 5755.00 103.73 ------ ------ 90.86 33.70 13.60 34.43 0.00 322 260 AVERAGE

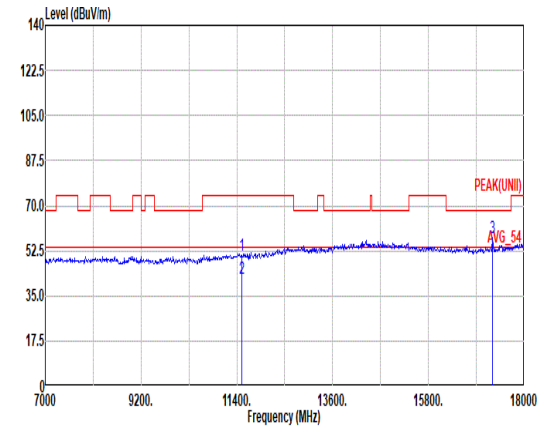
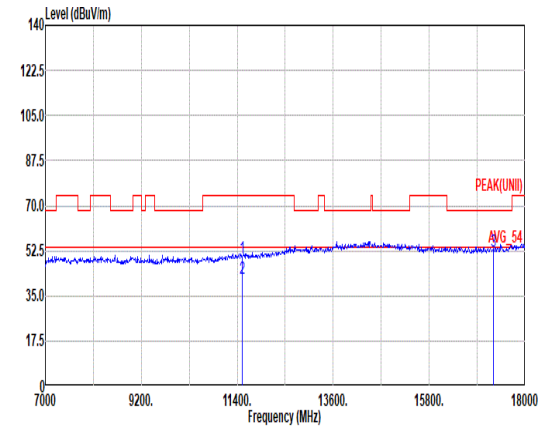
Mode	7	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ac VHT40_CH151_5755MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5853.48 68.36 114.28 -45.92 55.46 33.70 13.71 34.51 0.00 322 260 PEAK 2 5873.76 63.93 105.55 -41.62 51.03 33.70 13.72 34.52 0.00 322 260 PEAK 3 5923.48 57.04 69.32 -12.28 44.14 33.70 13.76 34.56 0.00 322 260 PEAK 4 5927.38 57.91 68.20 -10.29 45.01 33.70 13.76 34.56 0.00 322 260 PEAK	Blank

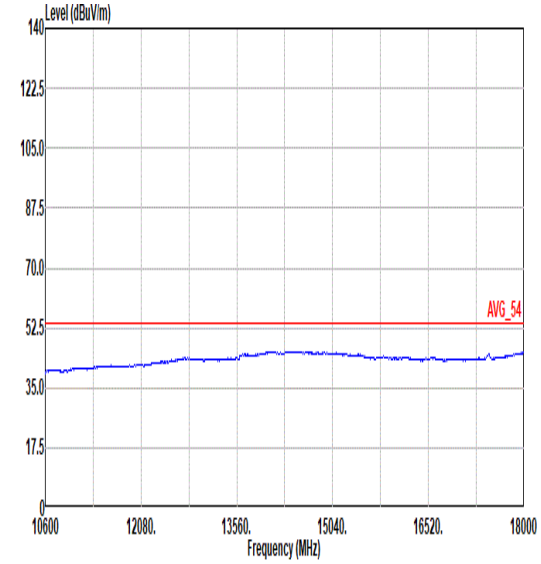
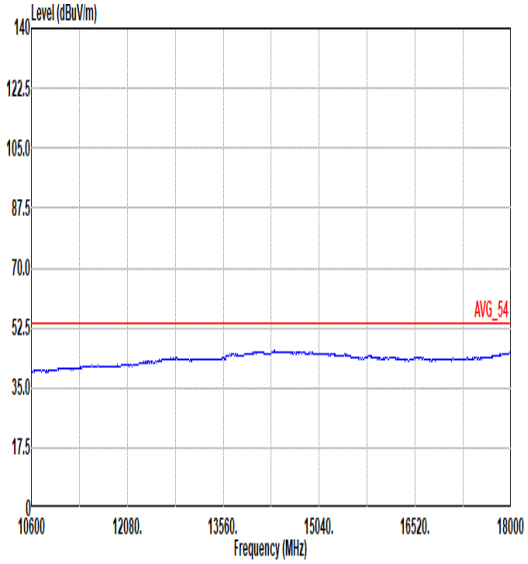
Mode	7	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ac VHT40_CH151_5755MHz	
ANT	1+2 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5645.11 67.23 68.20 -0.97 54.97 33.17 13.44 34.35 0.00 395 0 PEAK 2 5650.53 66.37 68.59 -2.22 54.06 33.21 13.45 34.35 0.00 395 0 PEAK 3 5718.11 91.81 110.27 -18.46 78.97 33.70 13.55 34.41 0.00 395 0 PEAK 4 5720.44 93.53 111.79 -18.26 80.69 33.70 13.55 34.41 0.00 395 0 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5755.00 113.29 ------ ------ 100.42 33.70 13.61 34.44 0.00 395 0 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:1.000kHz 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 5755.00 107.78 ------ ------ 94.91 33.70 13.60 34.43 0.00 395 0 AVERAGE

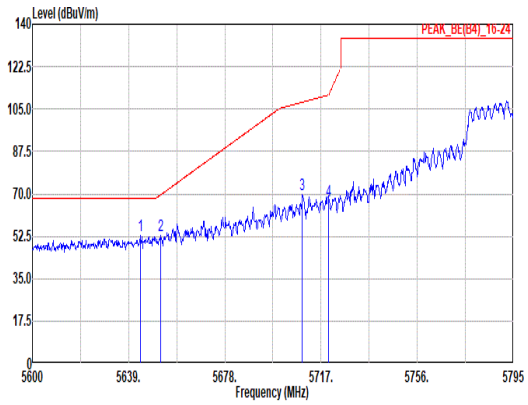
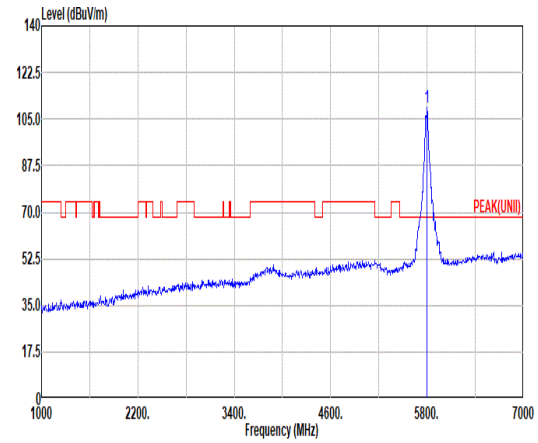
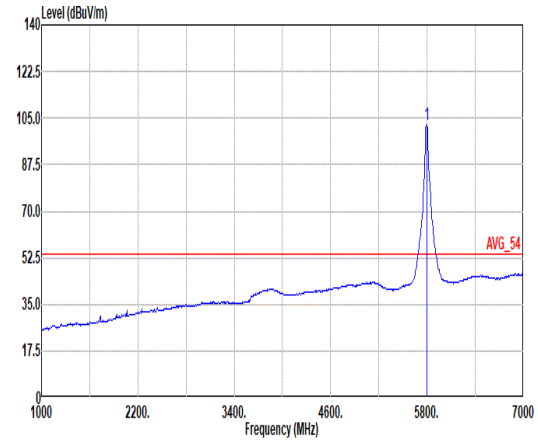
Mode	7	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ac VHT40_CH151_5755MHz	
ANT	1+2 (CDD)	
Pol.	Vertical	Fundamental
Peak		Blank

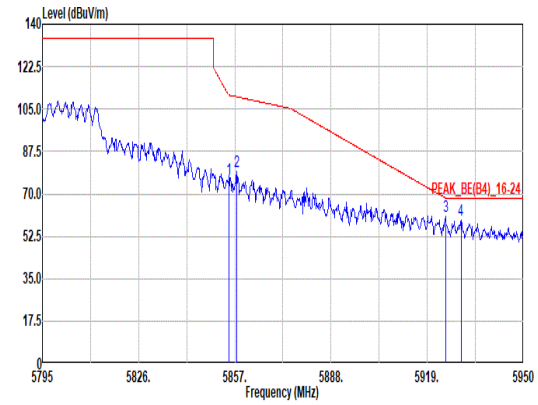
Site : 03CH22-HY
Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

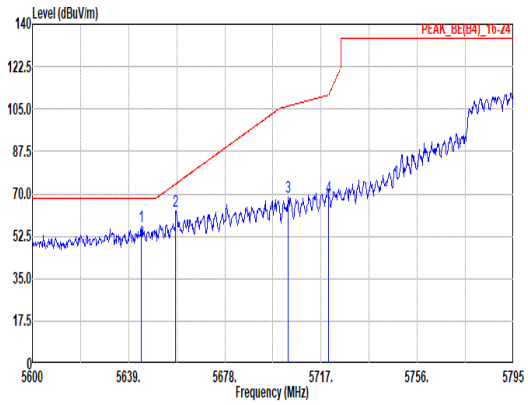
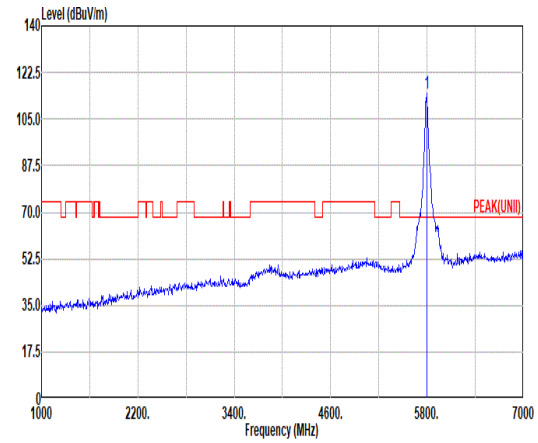
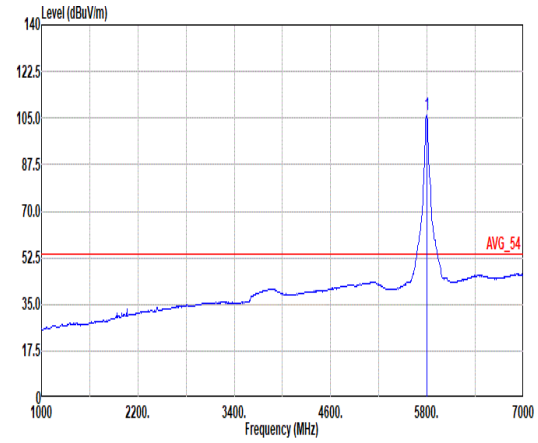
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5853.67	67.25	113.83	-46.58	54.35	33.70	13.71	34.51	0.00	395	0	PEAK
2	5865.37	66.85	107.89	-41.04	53.95	33.70	13.72	34.52	0.00	395	0	PEAK
3	5923.09	62.60	69.61	-7.01	49.70	33.70	13.76	34.56	0.00	395	0	PEAK
4	5927.77	63.04	68.20	-5.16	50.15	33.70	13.76	34.57	0.00	395	0	PEAK

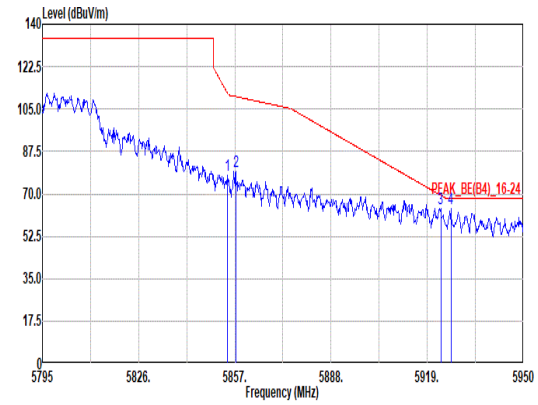
Mode	7	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ac VHT40_CH151_5755MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
Peak Avg.	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11510.00 50.71 74.00 -23.29 31.85 38.72 19.59 39.99 0.54 -- -- Peak 2 11510.00 41.48 54.00 -12.52 22.62 38.72 19.59 39.99 0.54 -- -- Average 3 17265.00 57.62 68.20 -10.58 38.75 40.43 24.10 46.30 0.64 -- -- Peak	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 11510.00 49.83 74.00 -24.17 30.97 38.72 19.59 39.99 0.54 -- -- Peak 2 11510.00 41.59 54.00 -12.41 22.73 38.72 19.59 39.99 0.54 -- -- Average 3 17265.00 52.39 68.20 -15.81 33.52 40.43 24.10 46.30 0.64 -- -- Peak

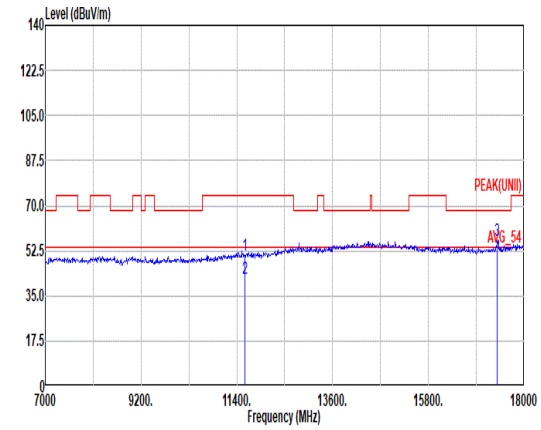
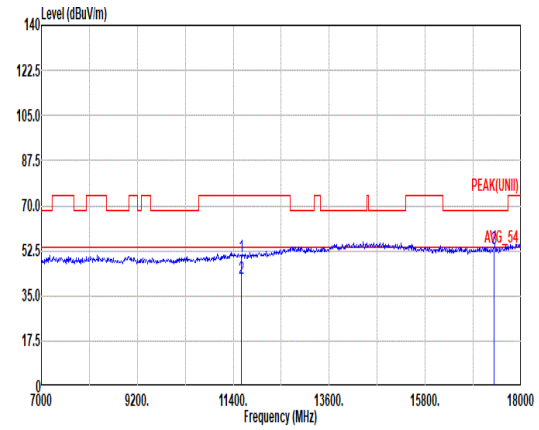
Mode	7	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ac VHT40_CH151_5755MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL

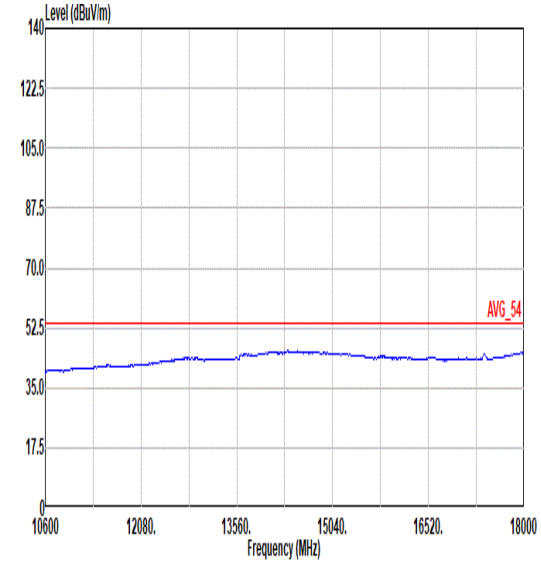
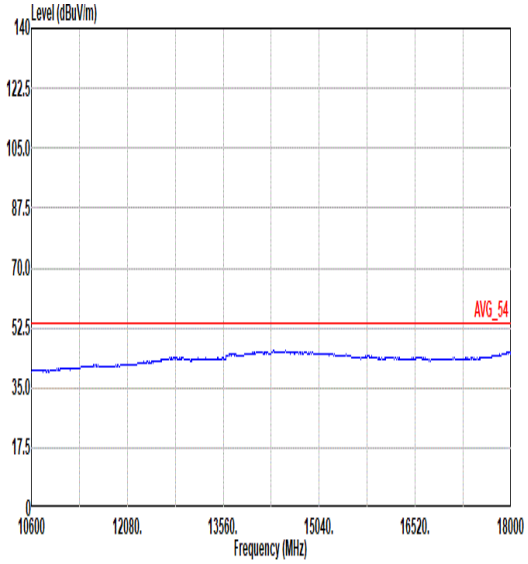
Mode	8	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ac VHT40_CH159_5795MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5643.88 52.69 68.20 -15.51 40.44 33.16 13.44 34.35 0.00 249 85 PEAK 2 5652.07 52.86 69.73 -16.87 40.55 33.22 13.45 34.36 0.00 249 85 PEAK 3 5709.40 69.92 107.83 -37.91 57.09 33.70 13.53 34.40 0.00 249 85 PEAK 4 5720.12 67.33 111.07 -43.74 54.49 33.70 13.55 34.41 0.00 249 85 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5795.00 109.23 ------ ------ 96.33 33.70 13.67 34.47 0.00 249 85 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz 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 5795.00 102.58 ------ ------ 89.68 33.70 13.67 34.47 0.00 249 85 AVERAGE

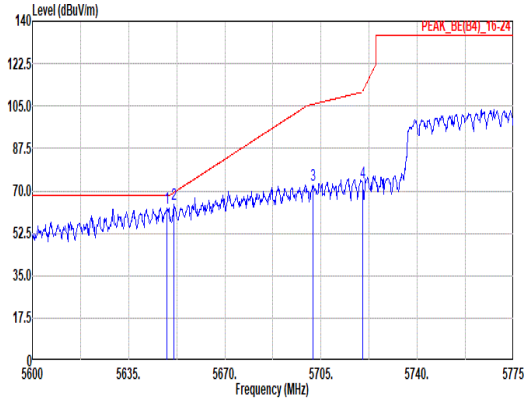
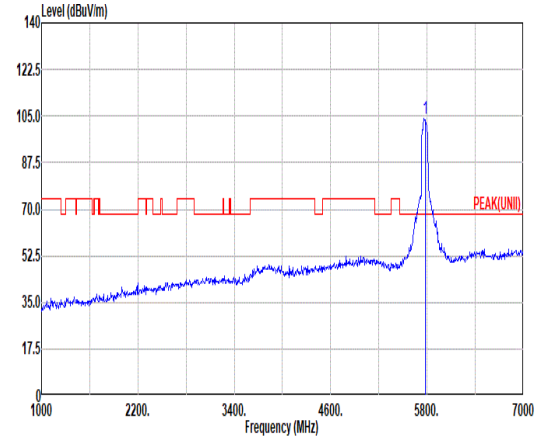
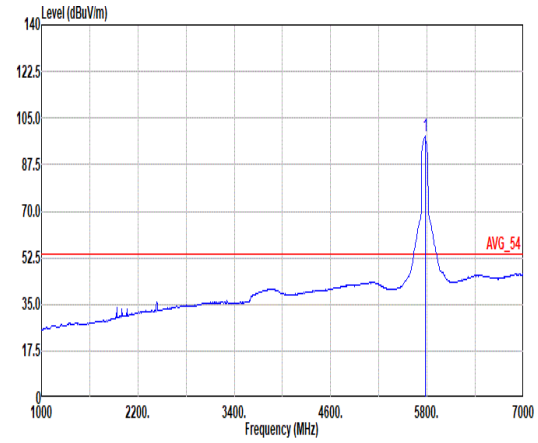
Mode	8	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ac VHT40_CH159_5795MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.99 76.16 110.83 -34.67 63.26 33.70 13.71 34.51 0.00 249 85 PEAK 2 5857.62 79.06 110.07 -31.01 66.16 33.70 13.71 34.51 0.00 249 85 PEAK 3 5924.89 60.53 68.28 -7.75 47.63 33.70 13.76 34.56 0.00 249 85 PEAK 4 5929.85 59.07 68.20 -9.13 46.18 33.70 13.76 34.57 0.00 249 85 PEAK	Blank

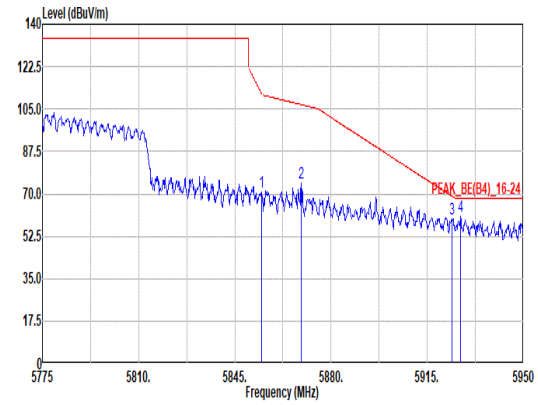
Mode	8	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ac VHT40_CH159_5795MHz	
ANT	1+2 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5644.07 56.76 68.20 -11.44 44.51 33.16 13.44 34.35 0.00 371 299 PEAK 2 5658.11 62.64 74.22 -11.58 50.26 33.28 13.46 34.36 0.00 371 299 PEAK 3 5703.55 68.88 106.19 -37.31 56.04 33.70 13.53 34.39 0.00 371 299 PEAK 4 5720.12 68.59 111.07 -42.48 55.75 33.70 13.55 34.41 0.00 371 299 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5795.00 114.68 ------ ------ 101.78 33.70 13.66 34.46 0.00 371 299 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:1.000kHz 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 5795.00 106.21 ------ ------ 93.31 33.70 13.66 34.46 0.00 371 299 AVERAGE

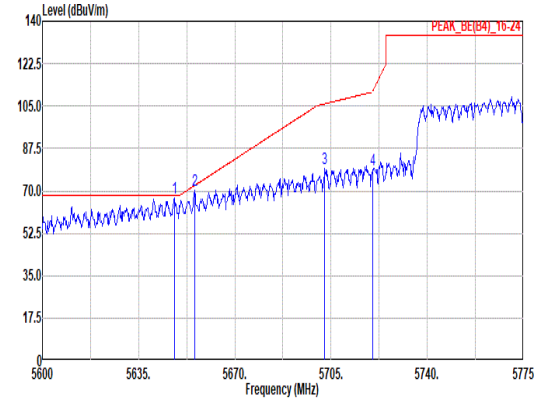
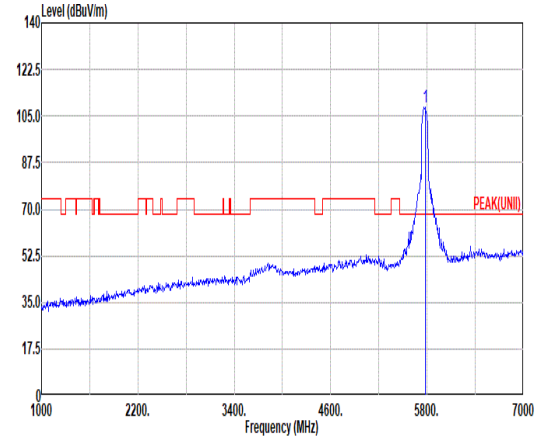
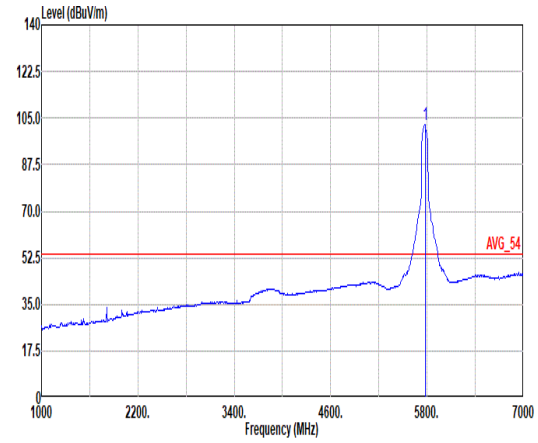
Mode	8	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ac VHT40_CH159_5795MHz	
ANT	1+2 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable 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 77.76 111.54 -33.78 64.86 33.70 13.71 34.51 0.00 371 299 PEAK 2 5857.31 79.36 110.15 -30.79 66.46 33.70 13.71 34.51 0.00 371 299 PEAK 3 5923.34 64.06 69.42 -5.36 51.16 33.70 13.76 34.56 0.00 371 299 PEAK 4 5926.60 64.09 68.20 -4.11 51.19 33.70 13.76 34.56 0.00 371 299 PEAK	Blank

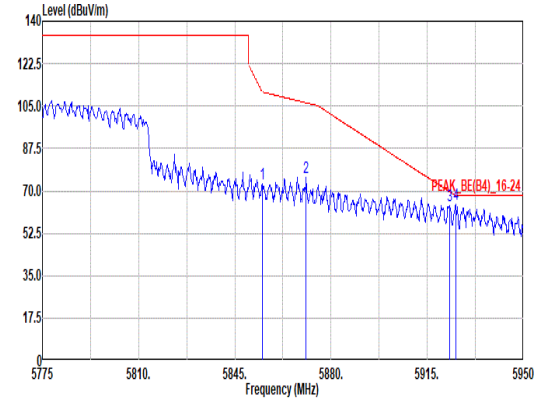
Mode	8	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ac VHT40_CH159_5795MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
Peak Avg.	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11590.00 50.54 74.00 -23.46 31.60 38.80 19.67 40.08 0.55 -- -- Peak 2 11590.00 41.53 54.00 -12.47 22.59 38.80 19.67 40.08 0.55 -- -- Average 3 17385.00 56.73 68.20 -11.47 37.75 40.57 24.19 46.43 0.65 -- -- Peak	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 11590.00 50.42 74.00 -23.58 31.48 38.80 19.67 40.08 0.55 -- -- Peak 2 11590.00 41.65 54.00 -12.35 22.71 38.80 19.67 40.08 0.55 -- -- Average 3 17385.00 53.51 68.20 -14.69 34.53 40.57 24.19 46.43 0.65 -- -- Peak

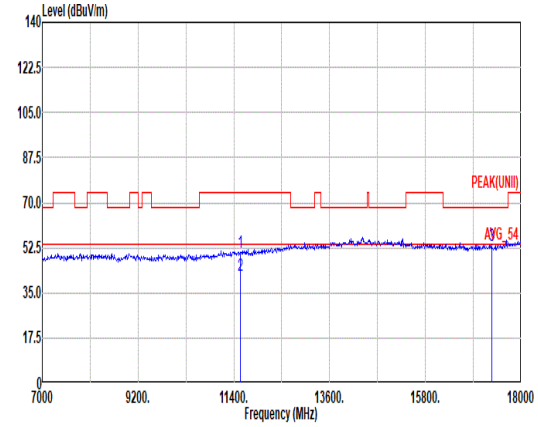
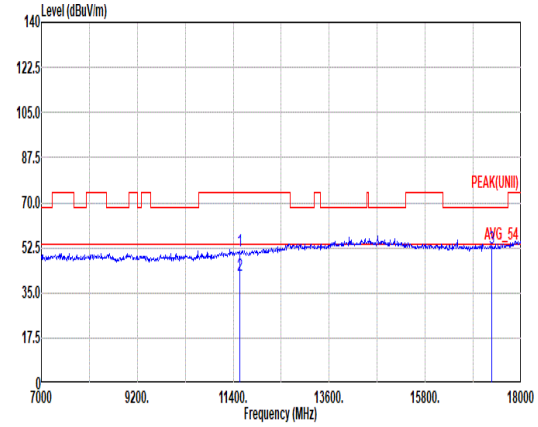
Mode	8	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ac VHT40_CH159_5795MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL

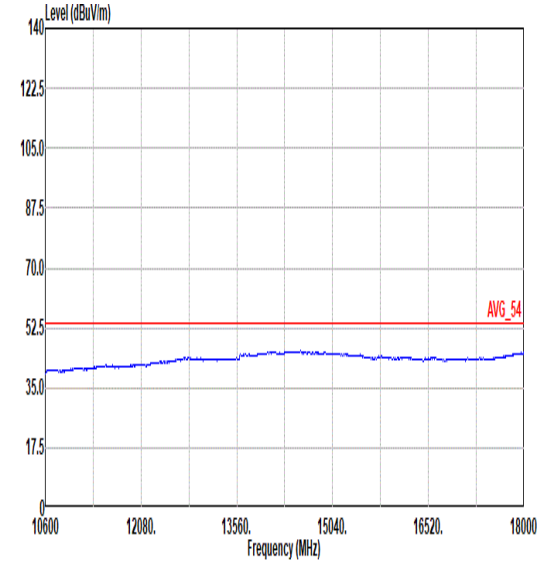
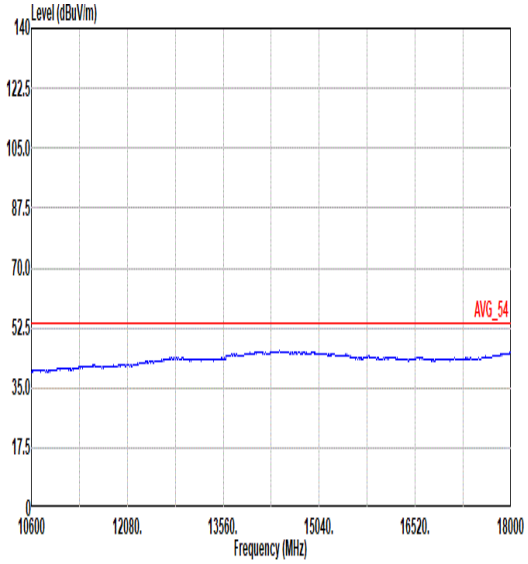
Mode	9	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ac VHT80_CH155_5775MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5649.00 62.82 68.20 -5.38 50.54 33.19 13.44 34.35 0.00 390 298 PEAK 2 5651.45 64.64 69.28 -4.64 52.34 33.21 13.45 34.36 0.00 390 298 PEAK 3 5702.20 72.42 105.82 -33.40 59.59 33.70 13.52 34.39 0.00 390 298 PEAK 4 5720.05 73.54 110.91 -37.37 60.70 33.70 13.55 34.41 0.00 390 298 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5775.00 104.29 ------ ------ 91.41 33.70 13.62 34.44 0.00 390 298 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz 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 98.06 ------ ------ 85.18 33.70 13.63 34.45 0.00 390 298 AVERAGE

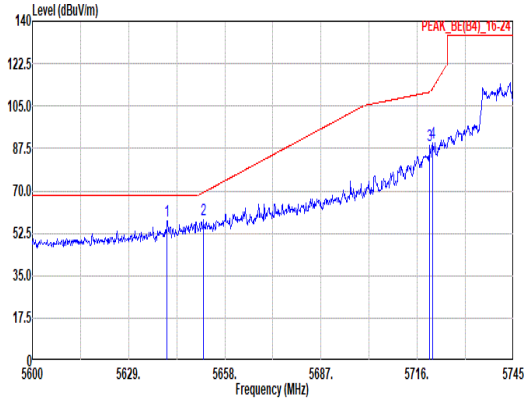
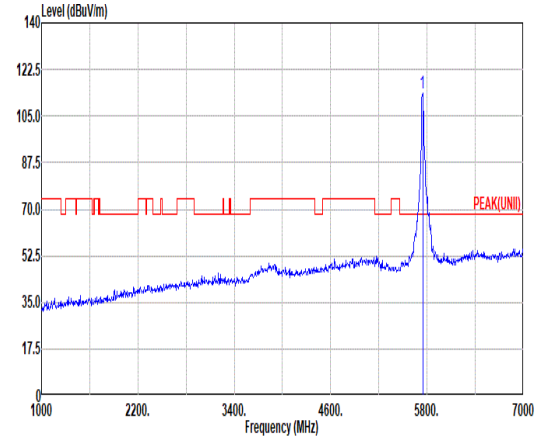
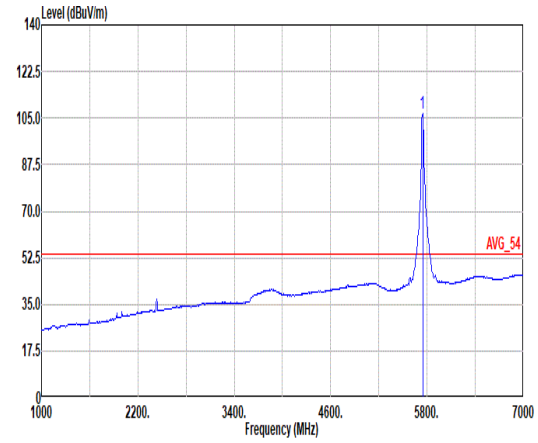
Mode	9	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ac VHT80_CH155_5775MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.80 70.72 111.26 -40.54 57.82 33.70 13.71 34.51 0.00 390 298 PEAK 2 5869.15 74.37 106.84 -32.47 61.47 33.70 13.72 34.52 0.00 390 298 PEAK 3 5924.10 59.92 68.86 -8.94 47.02 33.70 13.76 34.56 0.00 390 298 PEAK 4 5927.08 60.61 68.20 -7.59 47.71 33.70 13.76 34.56 0.00 390 298 PEAK	Blank

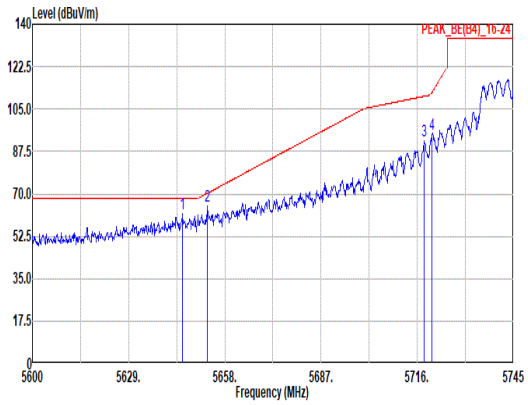
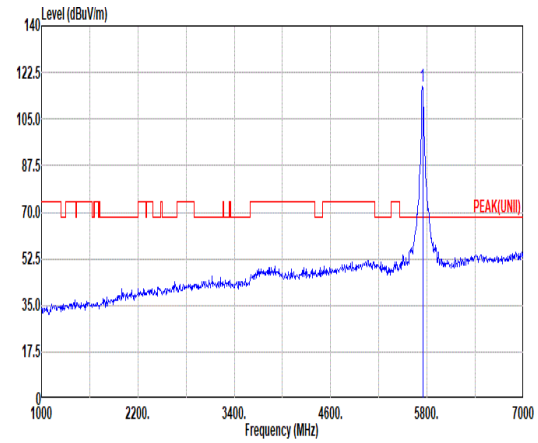
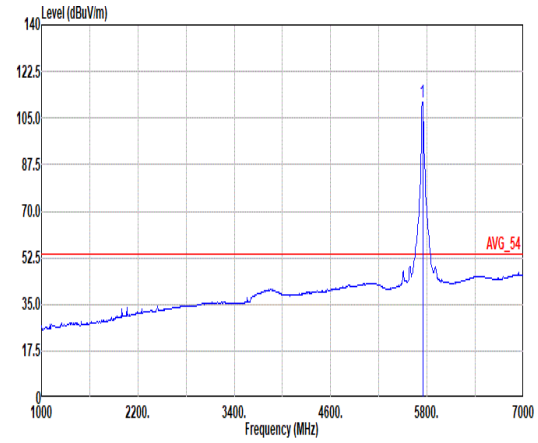
Mode	9	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ac VHT80_CH155_5775MHz	
ANT	1+2 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5647.95 67.07 68.20 -1.13 54.79 33.19 13.44 34.35 0.00 400 360 PEAK 2 5655.30 70.25 72.14 -1.89 57.91 33.25 13.45 34.36 0.00 400 360 PEAK 3 5702.73 79.38 105.96 -26.58 66.55 33.70 13.52 34.39 0.00 400 360 PEAK 4 5720.05 78.80 110.91 -32.11 65.96 33.70 13.55 34.41 0.00 400 360 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5775.00 108.25 ------ ------ 95.36 33.70 13.64 34.45 0.00 400 360 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:1.000kHz 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 5775.00 102.39 ------ ------ 89.52 33.70 13.62 34.45 0.00 400 360 AVERAGE

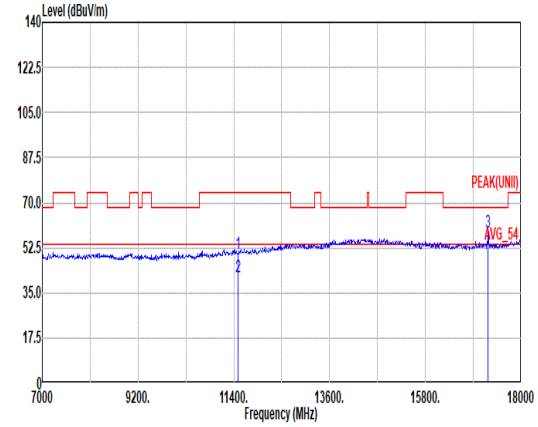
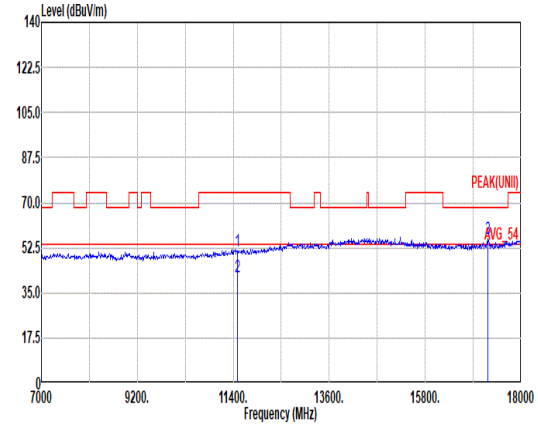
Mode	9	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ac VHT80_CH155_5775MHz	
ANT	1+2 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable 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 72.68 110.86 -38.18 59.78 33.70 13.71 34.51 0.00 400 360 PEAK 2 5870.90 75.35 106.35 -31.00 62.45 33.70 13.72 34.52 0.00 400 360 PEAK 3 5923.23 64.04 69.51 -5.47 51.14 33.70 13.76 34.56 0.00 400 360 PEAK 4 5925.33 64.52 68.20 -3.68 51.62 33.70 13.76 34.56 0.00 400 360 PEAK	Blank

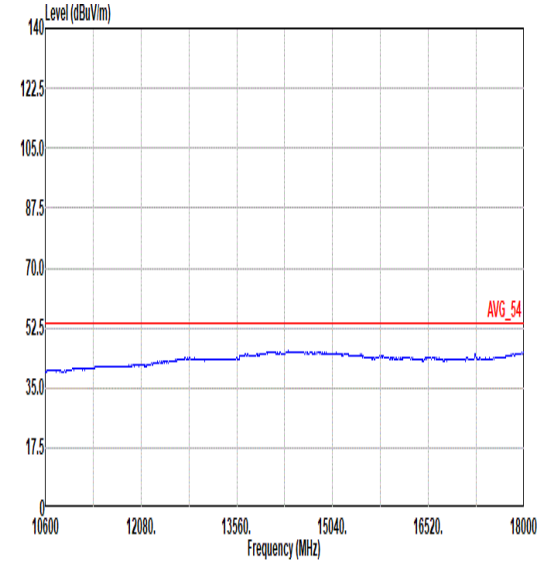
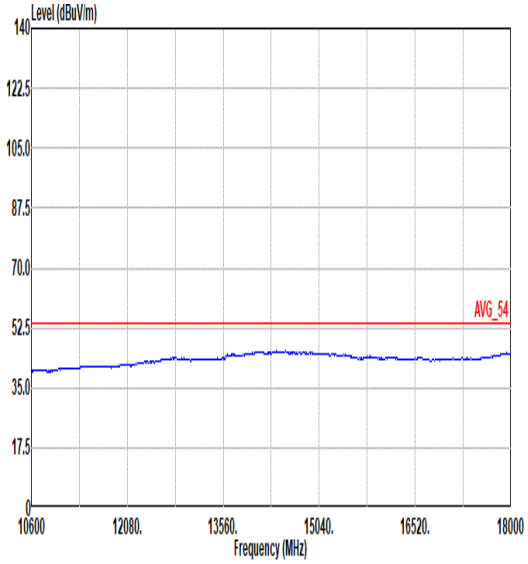
Mode	9	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ac VHT80_CH155_5775MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
Peak Avg.	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11550.00 50.93 74.00 -23.07 31.99 38.80 19.63 40.03 0.54 -- -- Peak 2 11550.00 41.59 54.00 -12.41 22.65 38.80 19.63 40.03 0.54 -- -- Average 3 17325.00 53.25 68.20 -14.95 34.32 40.50 24.14 46.36 0.65 -- -- Peak	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 11550.00 51.02 74.00 -22.98 32.08 38.80 19.63 40.03 0.54 -- -- Peak 2 11550.00 41.65 54.00 -12.35 22.71 38.80 19.63 40.03 0.54 -- -- Average 3 17325.00 52.22 68.20 -15.98 33.29 40.50 24.14 46.36 0.65 -- -- Peak

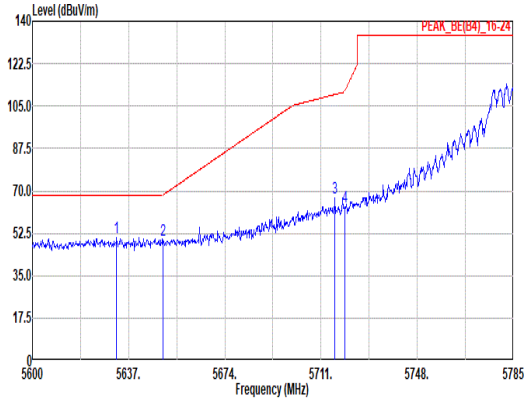
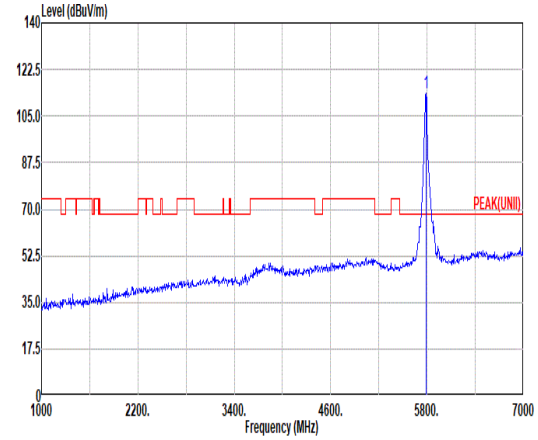
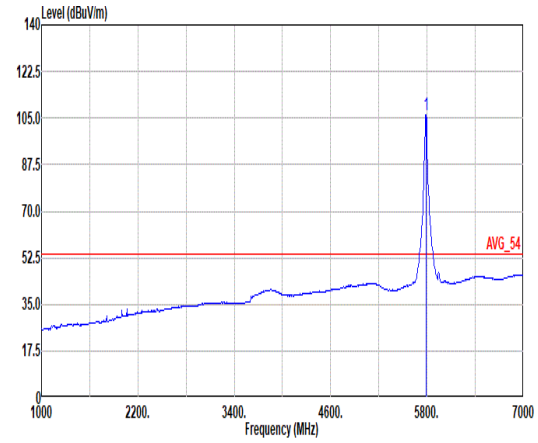
Mode	9	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ac VHT80_CH155_5775MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL

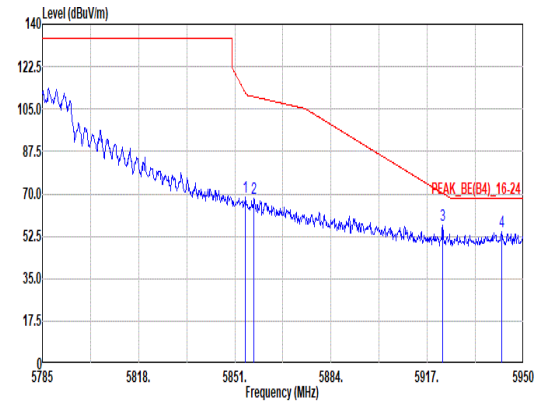
Mode	10	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH149_Full RU_5745MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant 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 5640.60 57.45 68.20 -10.75 45.23 33.14 13.43 34.35 0.00 323 268 PEAK 2 5651.62 58.28 69.40 -11.12 45.97 33.22 13.45 34.36 0.00 323 268 PEAK 3 5719.77 88.55 110.74 -22.19 75.71 33.70 13.55 34.41 0.00 323 268 PEAK 4 5720.64 90.07 112.26 -22.19 77.23 33.70 13.55 34.41 0.00 323 268 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5745.00 113.74 ------ ------ 100.88 33.70 13.59 34.43 0.00 323 268 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:1.100kHz 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 5745.00 106.67 ------ ------ 93.81 33.70 13.59 34.43 0.00 323 268 AVERAGE

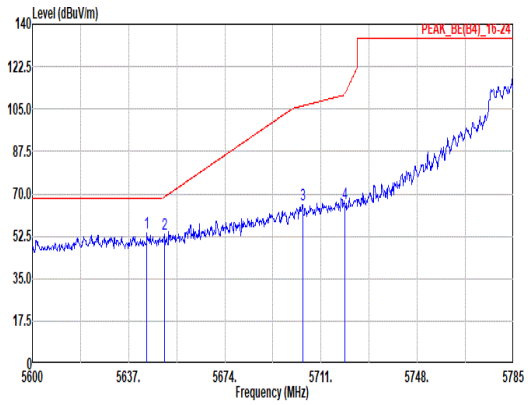
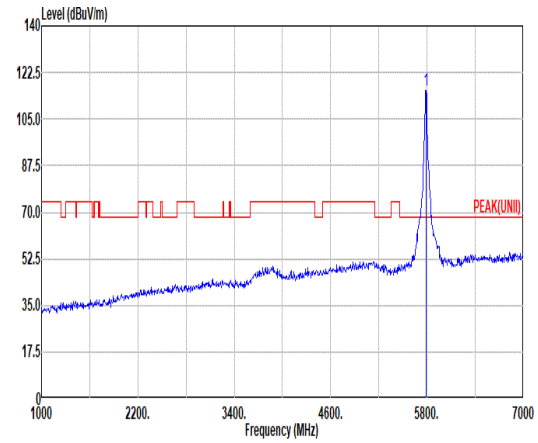
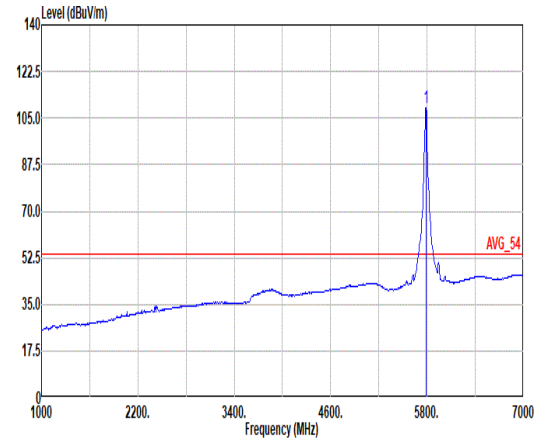
Mode	10	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH149_Full RU_5745MHz	
ANT	1+2 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5645.24 61.65 68.20 -6.55 49.39 33.17 13.44 34.35 0.00 398 360 PEAK 2 5652.78 64.82 70.27 -5.45 52.50 33.23 13.45 34.36 0.00 398 360 PEAK 3 5718.03 92.06 110.25 -18.19 79.22 33.70 13.55 34.41 0.00 398 360 PEAK 4 5720.35 94.55 111.60 -17.05 81.71 33.70 13.55 34.41 0.00 398 360 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5745.00 117.08 ------ ------ 104.22 33.70 13.58 34.42 0.00 398 360 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:1.100kHz 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 5745.00 110.94 ------ ------ 98.08 33.70 13.59 34.43 0.00 398 360 AVERAGE

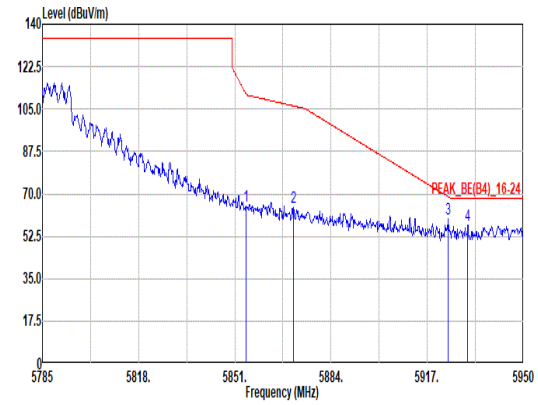
Mode	10	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE20_CH149_Full RU_5745MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
Peak Avg.	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11490.00 50.35 74.00 -23.65 31.50 38.70 19.58 39.97 0.54 -- -- Peak 2 11490.00 41.46 54.00 -12.54 22.61 38.70 19.58 39.97 0.54 -- -- Average 3 17235.00 58.51 68.20 -9.69 39.66 40.40 24.08 46.27 0.64 -- -- Peak	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 51.14 74.00 -22.86 32.29 38.70 19.58 39.97 0.54 -- -- Peak 2 11490.00 41.43 54.00 -12.57 22.58 38.70 19.58 39.97 0.54 -- -- Average 3 17235.00 56.23 68.20 -11.97 37.38 40.40 24.08 46.27 0.64 -- -- Peak

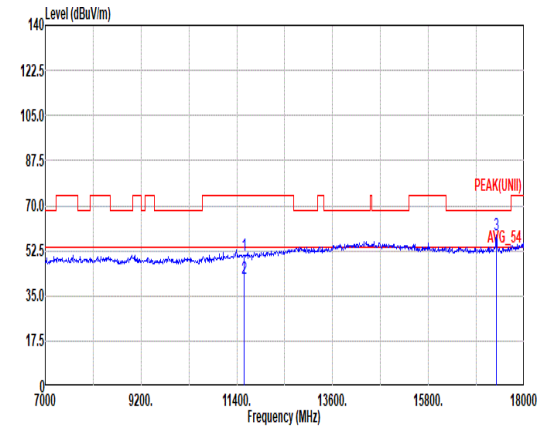
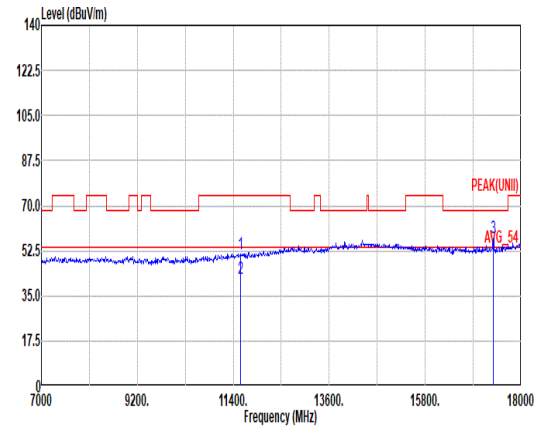
Mode	10	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE20_CH149_Full RU_5745MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL

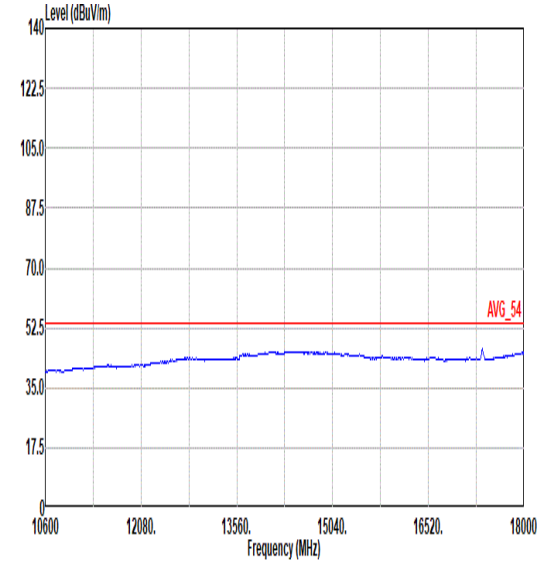
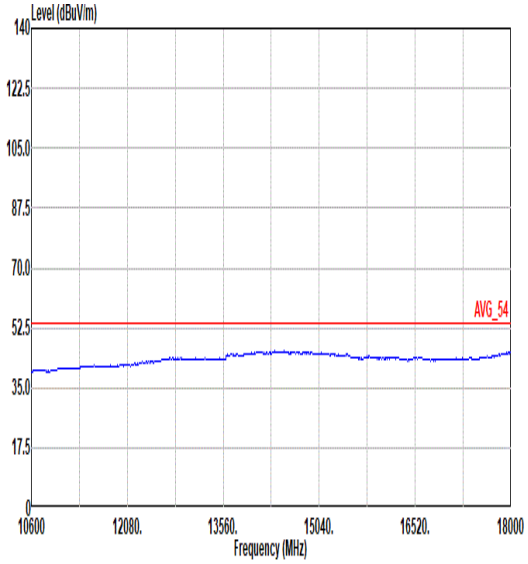
Mode	11	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full RU_5785MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level 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 5632.38 50.52 68.20 -17.68 38.35 33.09 13.42 34.34 0.00 256 92 PEAK 2 5650.14 49.68 68.30 -18.62 37.38 33.20 13.45 34.35 0.00 256 92 PEAK 3 5716.37 67.06 109.78 -42.72 54.22 33.70 13.54 34.40 0.00 256 92 PEAK 4 5720.07 63.46 110.95 -47.49 50.62 33.70 13.55 34.41 0.00 256 92 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5785.00 113.41 ------ ------ 100.52 33.70 13.65 34.46 0.00 256 92 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:1.100kHz 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 5785.00 106.22 ------ ------ 93.33 33.70 13.65 34.46 0.00 256 92 AVERAGE

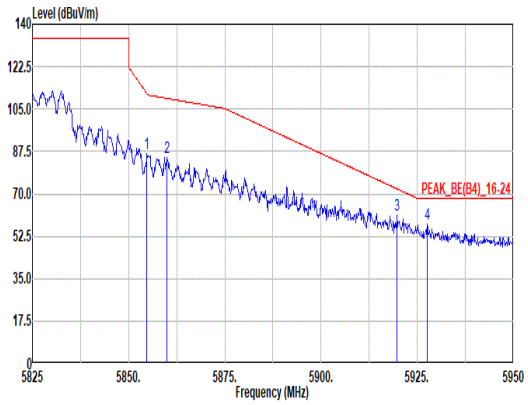
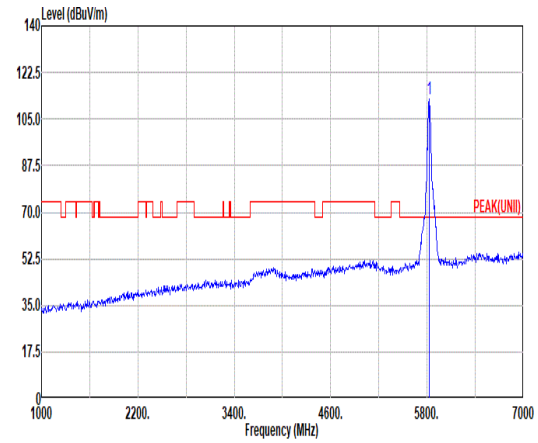
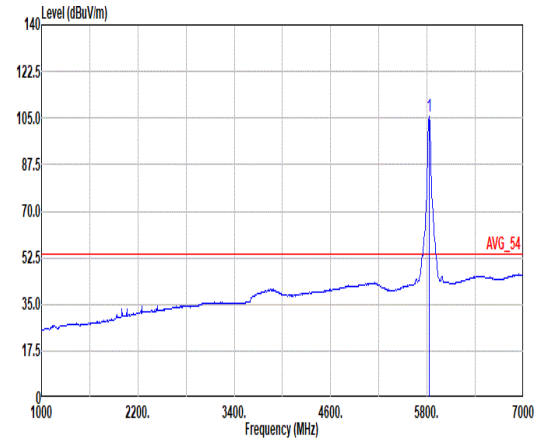
Mode	11	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full RU_5785MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level 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 5854.63 68.62 111.64 -43.02 55.72 33.70 13.71 34.51 0.00 256 92 PEAK 2 5857.60 67.91 110.07 -42.16 55.01 33.70 13.71 34.51 0.00 256 92 PEAK 3 5922.28 56.99 70.20 -13.21 44.09 33.70 13.76 34.56 0.00 256 92 PEAK 4 5942.58 54.44 68.20 -13.76 41.55 33.70 13.77 34.58 0.00 256 92 PEAK	Blank

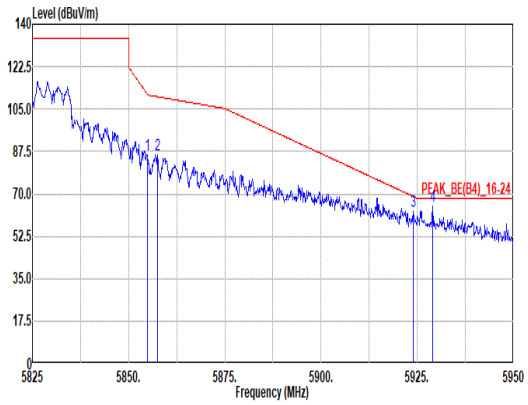
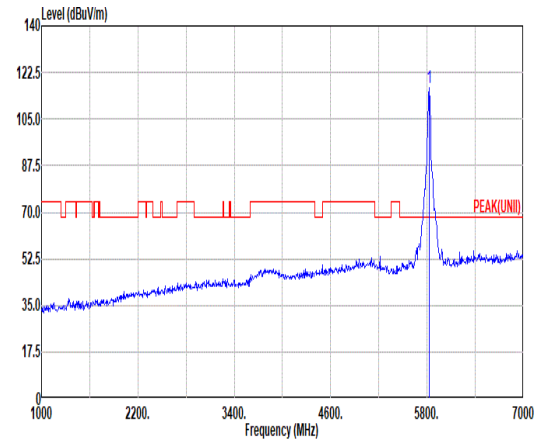
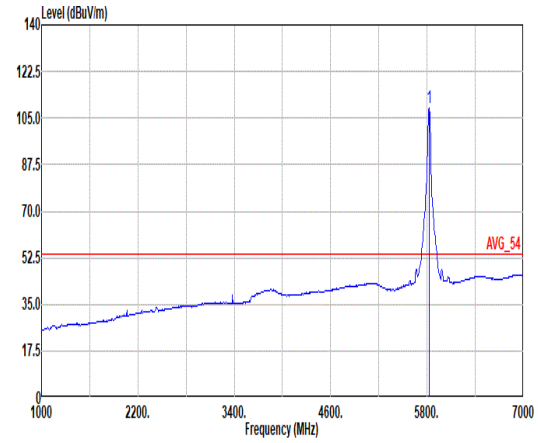
Mode	11	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full RU_5785MHz	
ANT	1+2 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant 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 5644.03 53.80 68.20 -14.40 41.55 33.16 13.44 34.35 0.00 387 295 PEAK 2 5650.69 53.28 68.71 -15.43 40.97 33.21 13.45 34.35 0.00 387 295 PEAK 3 5703.97 65.73 106.31 -40.58 52.90 33.70 13.53 34.40 0.00 387 295 PEAK 4 5720.25 66.15 111.37 -45.22 53.31 33.70 13.55 34.41 0.00 387 295 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5785.00 115.76 ------ ------ 102.87 33.70 13.65 34.46 0.00 387 295 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:1.100kHz 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 5785.00 108.88 ------ ------ 95.99 33.70 13.64 34.45 0.00 387 295 AVERAGE

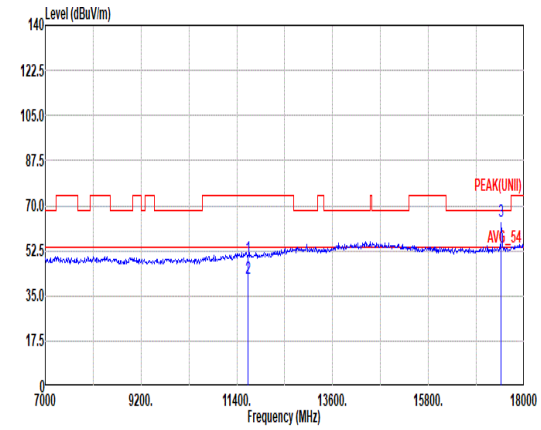
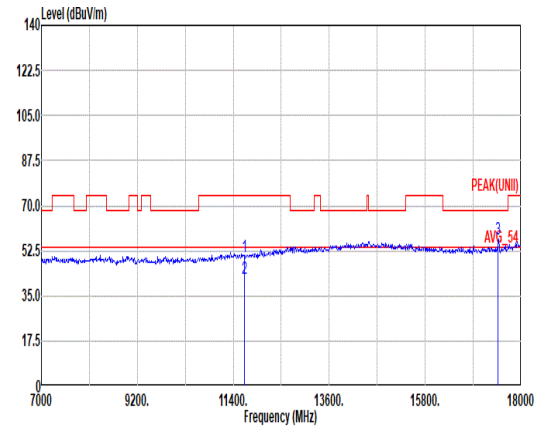
Mode	11	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full RU_5785MHz	
ANT	1+2 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant 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 5854.80 65.05 111.27 -46.22 52.15 33.70 13.71 34.51 0.00 387 295 PEAK 2 5871.13 64.54 106.28 -41.74 51.64 33.70 13.72 34.52 0.00 387 295 PEAK 3 5924.26 59.79 68.75 -8.96 46.89 33.70 13.76 34.56 0.00 387 295 PEAK 4 5930.86 57.18 68.20 -11.02 44.29 33.70 13.76 34.57 0.00 387 295 PEAK	Blank

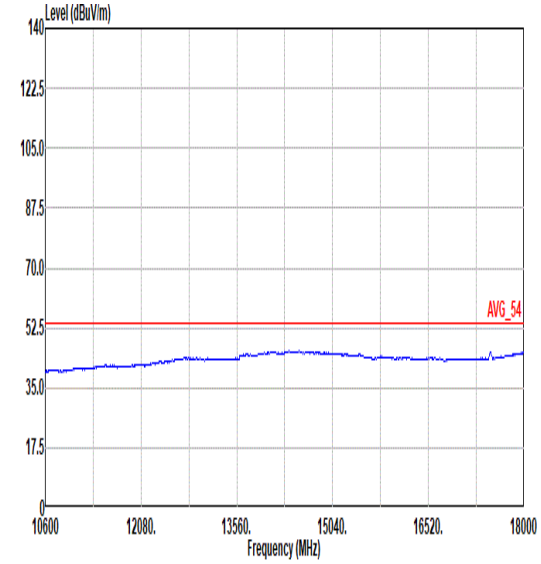
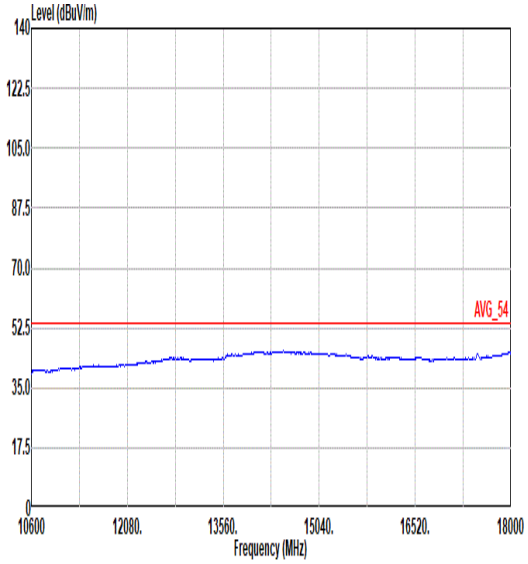
Mode	11	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full RU_5785MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
Peak Avg.	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11570.00 50.68 74.00 -23.32 31.74 38.80 19.65 40.05 0.54 -- -- Peak 2 11570.00 41.57 54.00 -12.43 22.63 38.80 19.65 40.05 0.54 -- -- Average 3 17355.00 58.64 68.20 -9.56 39.71 40.51 24.17 46.40 0.65 -- -- Peak	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 51.31 74.00 -22.69 32.37 38.80 19.65 40.05 0.54 -- -- Peak 2 11570.00 41.63 54.00 -12.37 22.69 38.80 19.65 40.05 0.54 -- -- Average 3 17355.00 57.56 68.20 -10.64 38.63 40.51 24.17 46.40 0.65 -- -- Peak

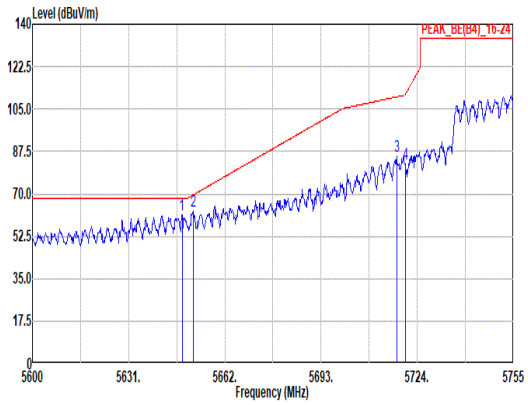
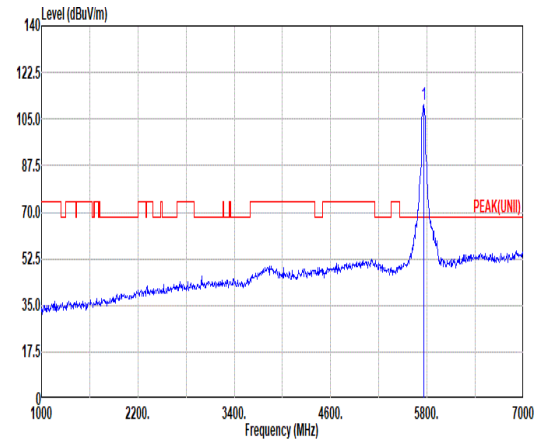
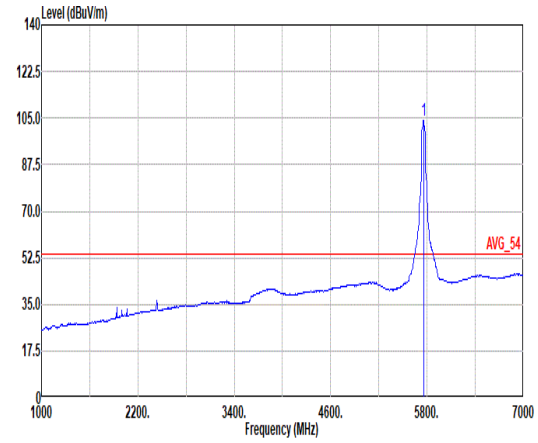
Mode	11	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full RU_5785MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL

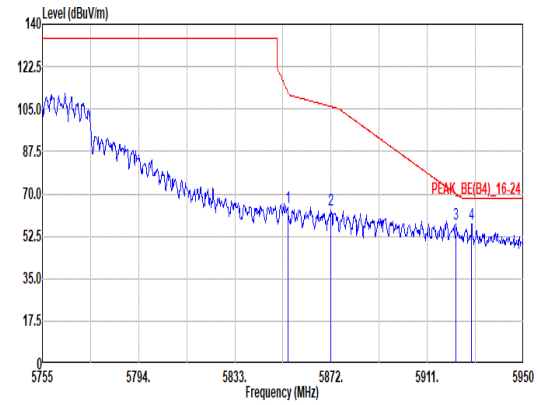
Mode	12	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH165_Full RU_5825MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant 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 5854.75 86.63 111.37 -24.74 73.73 33.70 13.71 34.51 0.00 238 87 PEAK 2 5860.00 85.10 109.40 -24.30 72.20 33.70 13.71 34.51 0.00 238 87 PEAK 3 5919.75 61.47 72.07 -10.60 48.58 33.70 13.75 34.56 0.00 238 87 PEAK 4 5927.63 57.39 68.20 -10.81 44.49 33.70 13.76 34.56 0.00 238 87 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5825.00 112.35 ------ ------ 99.45 33.70 13.69 34.49 0.00 238 87 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:1.100kHz 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 5825.00 105.53 ------ ------ 92.63 33.70 13.69 34.49 0.00 238 87 AVERAGE

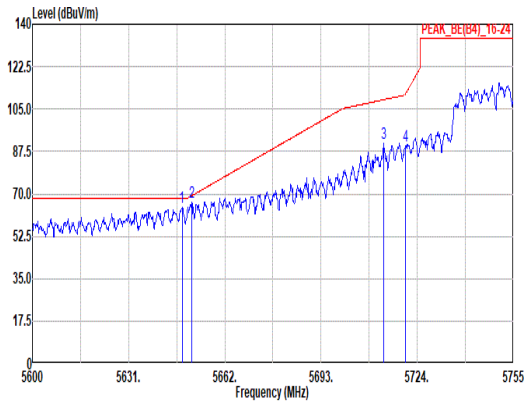
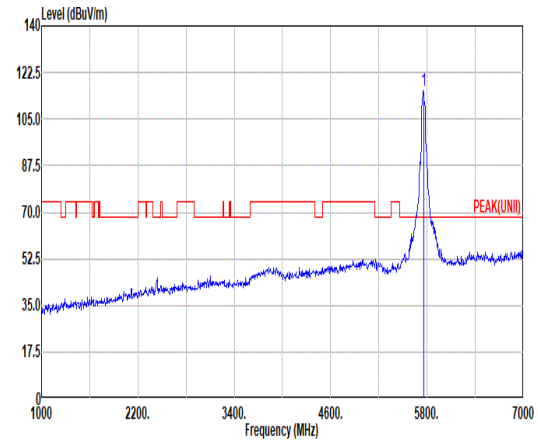
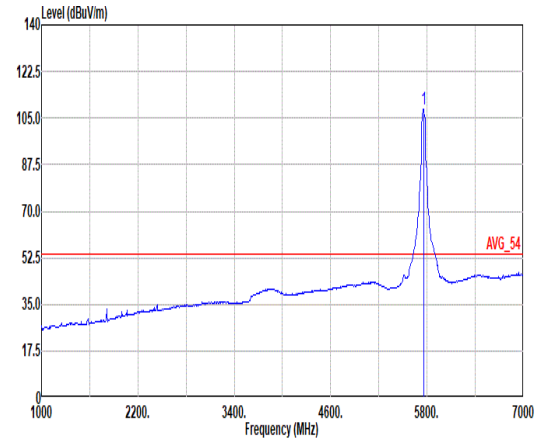
Mode	12	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH165_Full RU_5825MHz	
ANT	1+2 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.88 86.30 111.08 -24.78 73.40 33.70 13.71 34.51 0.00 387 297 PEAK 2 5857.50 86.08 110.10 -24.02 73.18 33.70 13.71 34.51 0.00 387 297 PEAK 3 5923.88 62.81 69.03 -6.22 49.91 33.70 13.76 34.56 0.00 387 297 PEAK 4 5929.00 64.89 68.20 -3.31 52.00 33.70 13.76 34.57 0.00 387 297 Peak	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5825.00 116.80 ------ ------ 103.90 33.70 13.69 34.49 0.00 387 297 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:1.100kHz 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 5825.00 109.06 ------ ------ 96.16 33.70 13.69 34.49 0.00 387 297 AVERAGE

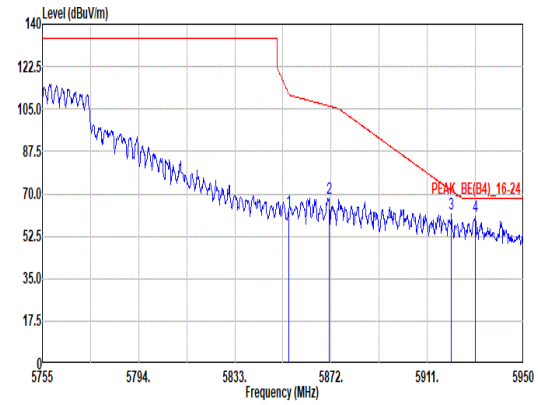
Mode	12	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE20_CH165_Full RU_5825MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
Peak Avg.	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11650.00 49.92 74.00 -24.08 30.99 38.80 19.72 40.14 0.55 -- -- Peak 2 11650.00 41.58 54.00 -12.42 22.65 38.80 19.72 40.14 0.55 -- -- Average 3 17475.00 63.69 68.20 -4.51 44.65 40.65 24.26 46.52 0.65 209 199 Peak	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 50.10 74.00 -23.90 31.17 38.80 19.72 40.14 0.55 -- -- Peak 2 11650.00 41.62 54.00 -12.38 22.69 38.80 19.72 40.14 0.55 -- -- Average 3 17475.00 57.14 68.20 -11.06 38.10 40.65 24.26 46.52 0.65 -- -- Peak

Mode	12	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE20_CH165_Full RU_5825MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL

Mode	13	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE40_CH151_Full RU_5755MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 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 5648.21 61.31 68.20 -6.89 49.03 33.19 13.44 34.35 0.00 391 299 PEAK 2 5651.93 62.83 69.63 -6.80 50.52 33.22 13.45 34.36 0.00 391 299 PEAK 3 5717.34 85.40 110.05 -24.65 72.56 33.70 13.55 34.41 0.00 391 299 PEAK 4 5720.13 82.20 111.09 -28.89 69.36 33.70 13.55 34.41 0.00 391 299 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5755.00 110.30 ------ ------ 97.43 33.70 13.61 34.44 0.00 391 299 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 HORIZONTAL : RBW:1000.000kHz VBW:1.100kHz 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 5755.00 104.08 ------ ------ 91.21 33.70 13.60 34.43 0.00 391 299 AVERAGE

Mode	13	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE40_CH151_Full RU_5755MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 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 5854.45 64.68 112.05 -47.37 51.78 33.70 13.71 34.51 0.00 391 299 PEAK 2 5872.00 63.61 106.04 -42.43 50.71 33.70 13.72 34.52 0.00 391 299 PEAK 3 5922.70 57.61 69.89 -12.28 44.71 33.70 13.76 34.56 0.00 391 299 PEAK 4 5928.94 57.62 68.20 -10.58 44.73 33.70 13.76 34.57 0.00 391 299 PEAK	Blank

Mode	13	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE40_CH151_Full RU_5755MHz	
ANT	1+2 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 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 cm deg 1 5648.21 64.48 68.20 -3.72 52.20 33.19 13.44 34.35 0.00 400 1 PEAK 2 5651.31 66.42 69.17 -2.75 54.11 33.21 13.45 34.35 0.00 400 1 PEAK 3 5713.15 90.81 108.88 -18.07 77.97 33.70 13.54 34.40 0.00 400 1 PEAK 4 5720.28 89.89 111.44 -21.55 77.05 33.70 13.55 34.41 0.00 400 1 PEAK	 Site : 03CH22-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C04A18EN_240711 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 5755.00 115.74 ------ ------ 102.87 33.70 13.60 34.43 0.00 400 1 PEAK
Avg.	Blank	 Site : 03CH22-HY Condition: AVG_54 3m DRH18-E_LE2C04A18EN_240711 VERTICAL : RBW:1000.000kHz VBW:1.100kHz 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 5755.00 108.49 ------ ------ 95.62 33.70 13.60 34.43 0.00 400 1 AVERAGE

Mode	13	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE40_CH151_Full RU_5755MHz	
ANT	1+2 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C04A18EN_240711 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 5854.84 62.94 111.17 -48.23 50.04 33.70 13.71 34.51 0.00 400 1 PEAK 2 5871.22 68.10 106.26 -38.16 55.20 33.70 13.72 34.52 0.00 400 1 PEAK 3 5920.75 61.73 71.33 -9.60 48.84 33.70 13.75 34.56 0.00 400 1 PEAK 4 5930.50 60.75 68.20 -7.45 47.86 33.70 13.76 34.57 0.00 400 1 PEAK	Blank