FCC RADIO TEST REPORT

FCC ID	:	**UZ7MC345B**
Equipment	:	**Mobile Computer**
Brand Name	:	**ZEBRA**
Model Name	:	**MC345B**
Applicant	:	**Zebra Technologies Corporation** **3 Overlook Point, Lincolnshire, IL 60069 USA**
Manufacturer	:	**Zebra Technologies Corporation** **3 Overlook Point, Lincolnshire, IL 60069 USA**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Oct. 25, 2024 and testing was performed from Nov. 01, 2024 to Jan. 21, 2025. 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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History of this test report

Report No.	Version	Description	Issue Date
FR4O2225F	01	Initial issue of report	Feb. 19, 2025

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	1.17 dB under the limit at 5931.80 MHz
3.5	15.207	AC Conducted Emission	Pass	14.45 dB under the limit at 0.16 MHz
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

1. ECR inquiry for data referencing from UZ7MC345A has been approved by FCC. The ECR inquiry and the associated document are submitted in the confidential exhibit.
2. UZ7MC345B is different from FCC ID: UZ7MC345A (Reference model), in the following:
   - The only difference between UZ7MC345A and UZ7MC345B are the WWAN support bands, which is controlled by software.
3. All the test results are referenced from UZ7MC345A (Sporton Test Report FR4O2228F), and spot check results to justify data referencing is presented in the Appendix F.
4. 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.
5. 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: Keven Cheng

Report Producer: Mila Chen

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Computer
Brand Name	ZEBRA
Model Name	MC345B
FCC ID	UZ7MC345B
Supported Radios application	WCDMA/HSPA/LTE/5G NR/NFC WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE

1.2 EUT Information (Referenced Model)

Product Feature	
FCC ID	UZ7MC345A
Sample 1	SKU 9 (Brick+SE5800+38 Keypad)
Sample 2	SKU 10 (Gun+SE4770+29 Keypad)
Sample 3	SKU 11 (Gun+SE5500+47 Keypad)
EUT supports Radios application	WCDMA/HSPA/LTE/5G NR/NFC WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE
HW Version	EV
SW Version	14-10-10.00-UG-U00-PRD-NEM-04
FW Version	FUSION_QA_6_1.0.0.001_U
MFD	14SEP24
EUT Stage	Identical Prototype

Remark: The EUT's information above is declared by manufacturer.

Stage	MC34 WWAN SKU list				
Configuration	SKU3	SKU6	SKU9	SKU10	SKU11
WW/WL	WWAN	WWAN	WWAN	WWAN	WWAN
Form Factor	FA	FA	FA	FA	FA
SKU	Prem	Prem+	Prem+	Prem	Prem+
Brick / Gun	Gun	Gun	Brick	Gun	Gun
DDR size	6GB	6GB	6GB	6GB	6GB
UFS size	64GB	128GB	128GB	64GB	128GB
Scan engine	SE5500	SE5800	SE5800	SE4770	SE5500
FF Camera	None	5MP (PN)	5MP (PN)	None	5MP (PN)
RF Camera		13MP (PN)	13MP (PN)		13MP (PN)
Keypad	47	47	38	29	47
Battery	7000mAh	7000mAh	7000mAh	7000mAh	7000mAh
Region (ROW or NA)	NA	NA	NA	NA	NA

Specification of Accessories				
Adapter USB Wall Charger	Brand Name	Zebra	Model Number	PWR-WUA5V12W0US
Battery 1 Standard Battery (7000mAh)	Brand Name	Zebra	Model Number	BT-000375
			Manufacturer	TWS
Battery 2 Standard Battery (7000mAh)	Brand Name	Zebra	Model Number	BT-000375
			Manufacturer	Inventus
Battery 3 BLE Battery (7000mAh)	Brand Name	Zebra	Model Number	BT-000444
Battery 4 BLE Battery (7000mAh)	Brand Name	Zebra	Model Number	BT-000375
Type C USB Cable	Brand Name	Zebra	Model Number	CBL-TC5X-USBC2A-01
USB Cable Cup	Brand Name	Zebra	Model Number	CBL-MC33-USBCHG-01
Soft Holster for Gun Type	Brand Name	Zebra	Model Number	SG-MC3021212-01R
Soft Holster for Brick Type	Brand Name	Zebra	Model Number	SG-MC3X-SHLSTB-01
USB-C PTT Headset	Brand Name	Zebra	Model Number	HDST-USBC-PTT1-01
USB-C to 3.5mm adapter	Brand Name	Zebra	Model Number	ADP-USBC-35MM1-01
3.5mm To Quick Disconnect (QD) Adapter Cable	Brand Name	Zebra	Model Number	ADP-35M-QDCBL1-01
3.5mm PTT Headset	Brand Name	Zebra	Model Number	HDST-35MM-PTT1-01
3.5mm PTT HS2100 Headset	Brand Name	Zebra	Model Number	HS2100
Quick Disconnect (QD) Cable	Brand Name	Zebra	Model Number	CBL-HS2100-QDC1-01

1.3 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx/Rx Frequency Range	5725 MHz ~ 5850 MHz
Maximum Output Power to Antenna	**MIMO <Ant. 6+7>** 802.11a: 24.32 dBm / 0.2704 W 802.11n HT20: 23.44 dBm / 0.2208 W 802.11n HT40: 22.90 dBm / 0.1950 W 802.11ac VHT20: 23.54 dBm / 0.2259 W 802.11ac VHT40: 23.00 dBm / 0.1995 W 802.11ac VHT80: 20.87 dBm / 0.1222 W 802.11ax HE20: 23.64 dBm / 0.2312 W 802.11ax HE40: 23.10 dBm / 0.2042 W 802.11ax HE80: 20.97 dBm / 0.1250 W
99% Occupied Bandwidth	**<Ant. 6>** 802.11a: 16.66 MHz 802.11ac VHT20: 17.65 MHz 802.11ac VHT40: 36.29 MHz 802.11ac VHT80: 75.36 MHz 802.11ax HE20: 19.08 MHz 802.11ax HE40: 38.08 MHz 802.11ax HE80: 77.21 MHz **<Ant. 7>** 802.11a: 16.48 MHz 802.11ac VHT20: 17.64 MHz 802.11ac VHT40: 36.26 MHz 802.11ac VHT80: 75.44 MHz 802.11ax HE20: 18.96 MHz 802.11ax HE40: 38.00 MHz 802.11ax HE80: 77.16 MHz
Antenna Type / Gain	**<Ant. 6>:** PIFA Antenna with gain 1.31 dBi **<Ant. 7>:** Monopole Antenna with gain 0.98 dBi
Type of Modulation	802.11a/n: OFDM (BPSK/QPSK/16QAM/64QAM) 802.11ac: OFDM (BPSK/QPSK/16QAM/64QAM/256QAM) 802.11ax: OFDMA (BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM)
Antenna Function Description	

	Ant. 6	Ant. 7
802.11a/n/ac/ax MIMO	V	V
802.11ax TXBF	V	V

Remark:

1. MIMO Ant. 6+7 Directional Gain is a calculated result from MIMO Ant. 6 and MIMO Ant. 7. The formula used in calculation is documented in section 1.2.1.
2. Power of MIMO Ant. 6 + Ant. 7 is a calculated result from sum of the power MIMO Ant. 6 and MIMO Ant. 7.
3. 802.11ax Support Tx Beamforming mode, and the manufacturer declares that Tx Beamforming power/EIRP is less than CDD mode 3dbm, so CDD mode cover Tx Beamforming mode.
4. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.3.1 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.

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

As minimum N_{SS}=1 is supported by EUT, the formula can be simplified as:

Directional gain = $10*\log[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}]$ dBi

Where G1, G2….GN denote single antenna gain.

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

	Ant 6 (dBi)	Ant 7 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band IV	1.31	0.98	1.31	4.16	0.00	0.00

Calculation example:

If a device has two antenna, G_{ANT6}=1.31dBi; G_{ANT7}=0.98dBi

Directional gain of power measurement = max(1.31, 0.98) + 0 = 1.31 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (1.31 dBi / 20) + 10^ (0.98 dBi / 20)] ^ 2 } / 2 }

= 4.16 dBi

Power and PSD limit reduction = Composite 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)

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

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

	Ant 6 (dBi)	Ant 7 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band IV	1.31	0.98	4.16	4.16	0.00	0.00

Calculation example:

Directional gain is derived from formula which is

10 x log { { [10^ (1.31 dBi / 20) + 10^ (0.98 dBi / 20)] ^ 2 } / 2 }

= 4.16 dBi

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

1.4 Modification of EUT

No modifications made to the EUT during the testing.

1.5 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	CO05-HY (TAF Code: 1190)
Remark	The Conducted Emission test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory.

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

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, 03CH20-HY

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

FCC designation No.: TW1190 and TW3786

1.6 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.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.

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

This device support 26/52/106/242/484/996-tone RU.

The PSD of partial RU is reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 2022.

The 802.11ax mode is investigated among different tones, full resource units (RU), partial resource units. The partial RU has no higher power than full RU's, thus the full RU is chosen as main test configuration.

The 242-tone RU is covered by 20MHz channel, 484-tone RU is covered by 40MHz channel and 996-tone RU is covered by 80MHz channel.

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

MIMO 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.

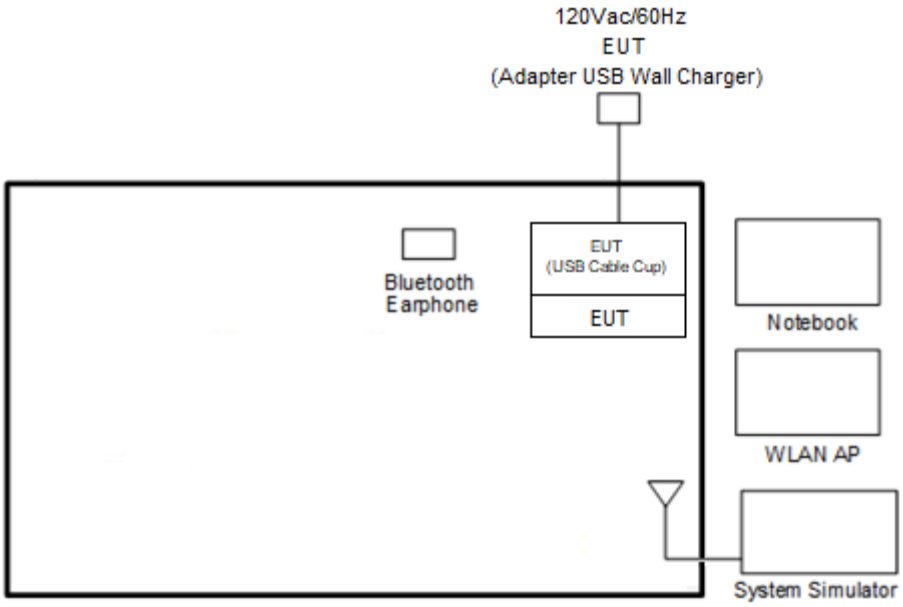
Test Cases	
AC Conducted Emission	Mode 1 : LTE Band 7 Link + WLAN (5GHz) Link + Bluetooth Link + MPEG4 + Battery 1 Standard Battery (7000mAh) + USB Cable Cup (Charge from Adapter USB Wall Charger) for Sample 1
Remark: For Radiated Test Cases, the tests were performed with Battery 1 Standard Battery (7000mAh) and Sample 1.	

Ch. #		Band IV：5725-5850 MHz				
		802.11a	802.11ac VHT20	802.11ax HE20	802.11ax HE40	802.11ax HE80
L	Low	149	149	149	151	-
M	Middle	157	-	157	-	155
H	High	165	-	165	159	-

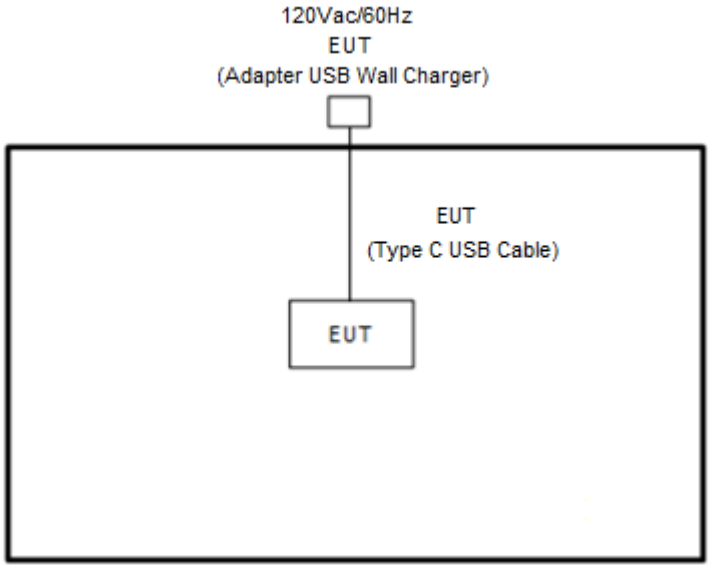
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8m
2.	Bluetooth Earphone	Sony Ericsson	MW600	PY700A2029	N/A	N/A
3.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8m
4.	Notebook	Lenovo	TP00116A	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 "QRCT V4.1 Version 4.0.118.0" 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.

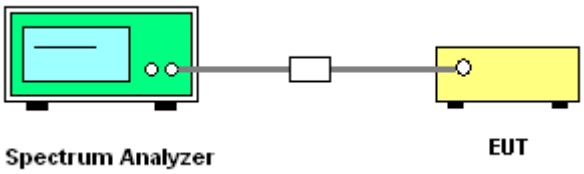
3.1.2 Measuring Instruments

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.

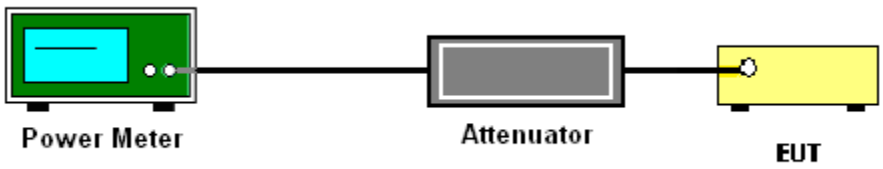
3.2.3 Test Procedures

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

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

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Section F) Maximum power spectral density.

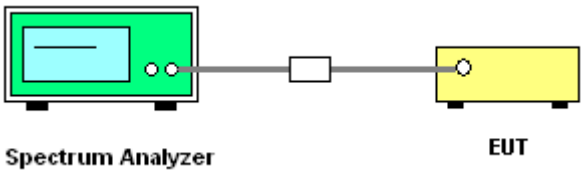
 # Method SA-2 #

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

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

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

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Unwanted Emissions Measurement

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) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

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

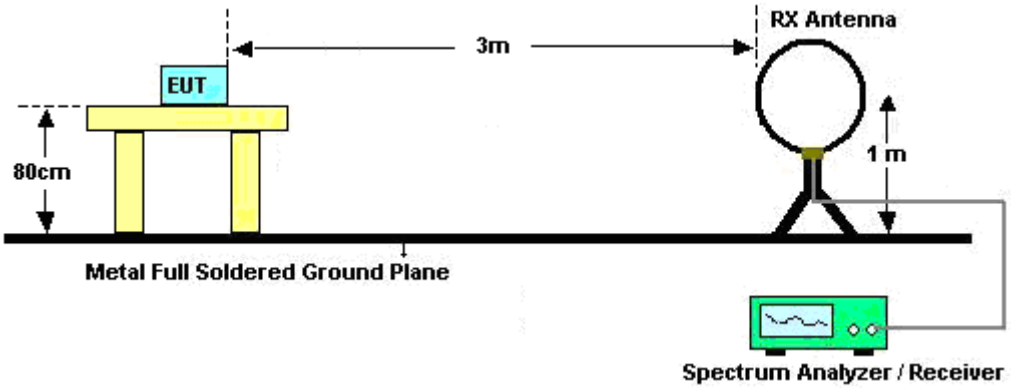
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.

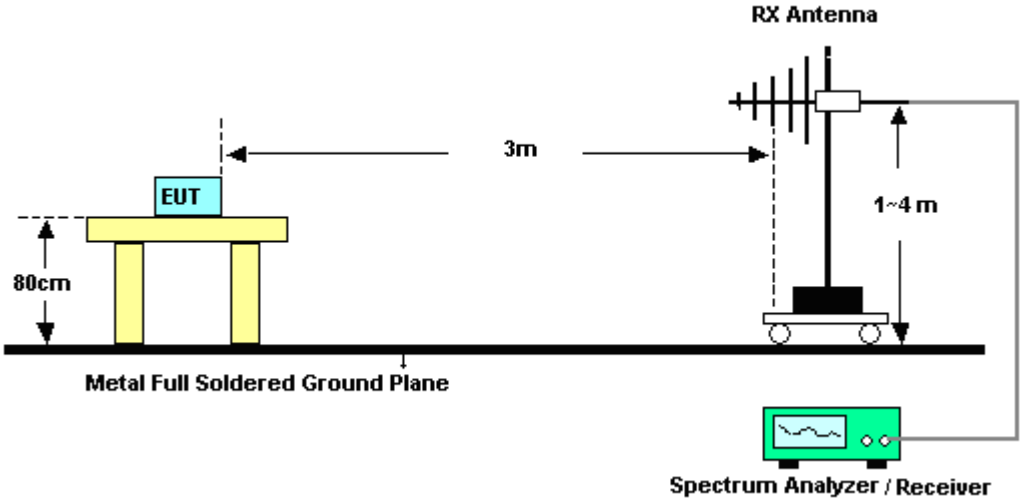
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit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

3.4.4 Test Setup

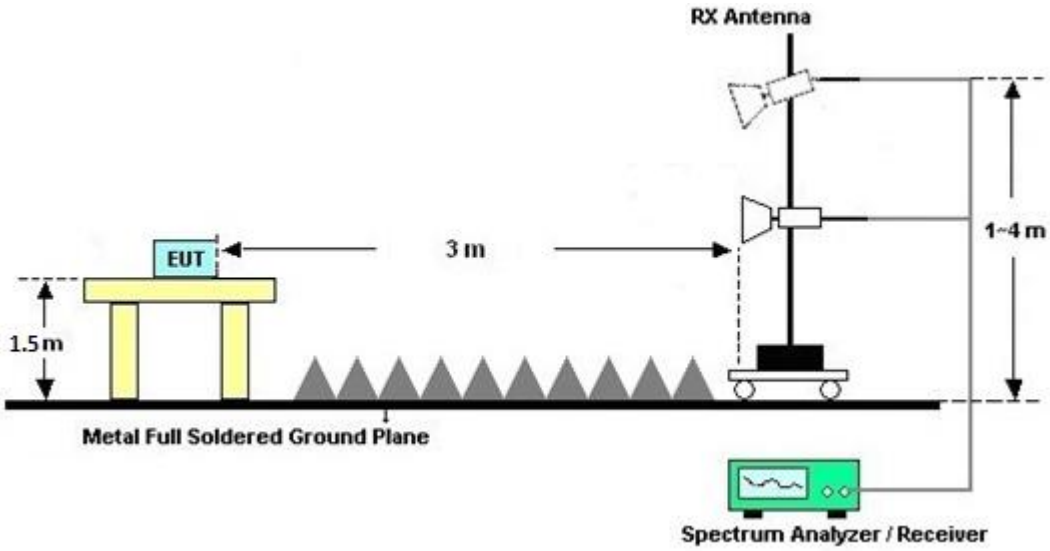
For radiated emissions below 30MHz



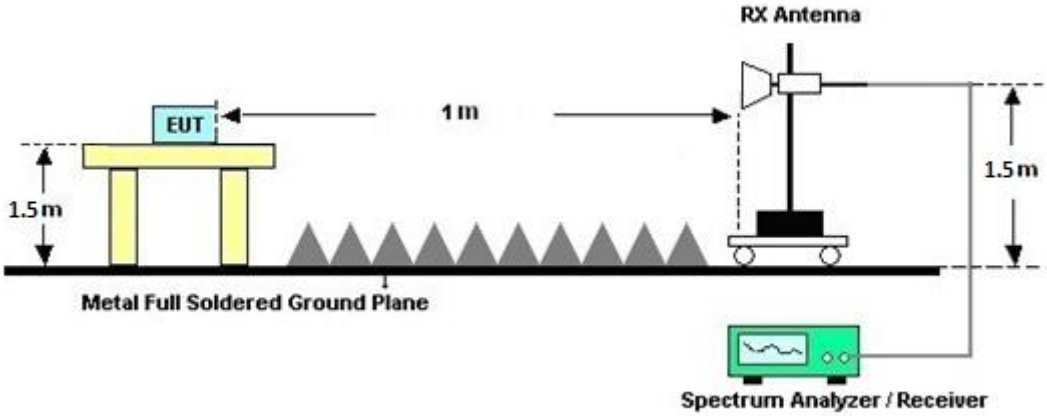
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix 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.

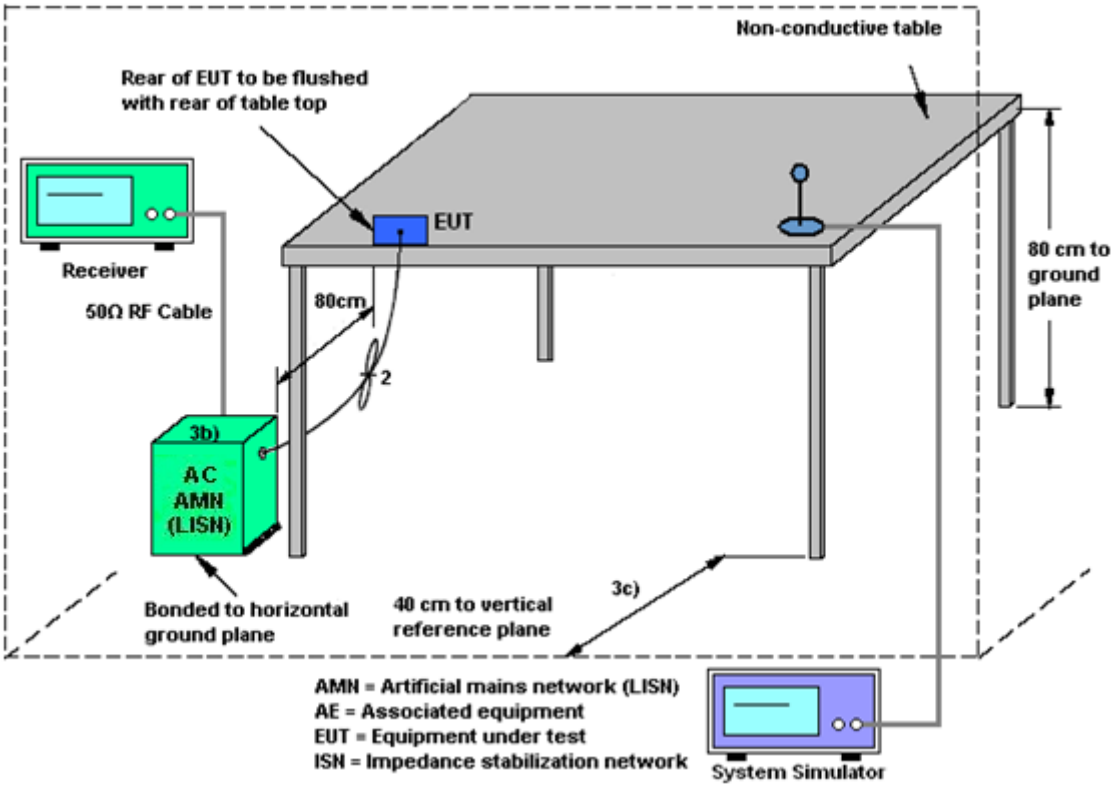
3.5.2 Measuring Instruments

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



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

Antenna permanently attached.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	N/A	Oct. 16, 2024	Nov. 01, 2024~ Dec. 17, 2024	Oct. 15, 2025	Radiation (03CH20-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Aug. 29, 2024	Nov. 01, 2024~ Dec. 17, 2024	Aug. 28, 2025	Radiation (03CH20-HY)
Preamplifier	EMEC	EM18G40G	060871	18GHz~40GHz	Aug. 23, 2024	Nov. 01, 2024~ Dec. 17, 2024	Aug. 22, 2025	Radiation (03CH20-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Nov. 01, 2024~ Dec. 17, 2024	N/A	Radiation (03CH20-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Nov. 01, 2024~ Dec. 17, 2024	N/A	Radiation (03CH20-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Nov. 01, 2024~ Dec. 17, 2024	N/A	Radiation (03CH20-HY)
Signal Analyzer	Keysight	N9010B	MY60240520	N/A	Dec. 12, 2023	Nov. 01, 2024~ Nov. 25, 2024	Dec. 11, 2024	Radiation (03CH20-HY)
Signal Analyzer	Keysight	N9010B	MY64320114	N/A	Oct. 05, 2024	Nov. 26, 2024~ Dec. 08, 2024	Oct. 04, 2025	Radiation (03CH20-HY)
Signal Analyzer	Keysight	N9010B	MY60240520	N/A	Dec. 09, 2024	Dec. 09, 2024~ Dec. 17, 2024	Dec. 08, 2025	Radiation (03CH20-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800N 1D01N-06	47020 & 06	30MHz~1GHz	Oct. 05, 2024	Nov. 01, 2024~ Dec. 17, 2024	Oct. 04, 2025	Radiation (03CH20-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	02360	1GHz-18GHz	Nov. 01, 2024	Nov. 01, 2024~ Dec. 17, 2024	Oct. 30, 2025	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1224	18GHz-40GHz	Jun. 24, 2024	Nov. 01, 2024~ Dec. 17, 2024	Jun. 23, 2025	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz-1000MHz	Jan. 01, 2024	Nov. 01, 2024~ Dec. 17, 2024	Dec. 31, 2024	Radiation (03CH20-HY)
Amplifier	EMCI	EMC118A45SE	980792	N/A	Nov. 13, 2023	Nov. 01, 2024~ Nov. 11, 2024	Nov. 12, 2024	Radiation (03CH20-HY)
Amplifier	EMCI	EMC118A45SE	980792	N/A	Nov. 12, 2024	Nov. 12, 2024~ Dec. 17, 2024	Nov. 11, 2025	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,8040 15/2,804027/2	N/A	Jan. 17, 2024	Nov. 01, 2024~ Dec. 17, 2024	Jan. 16, 2025	Radiation (03CH20-HY)
Hygrometer	TECPEL	DTM-303A	TP211382	N/A	Mar. 27, 2024	Nov. 01, 2024~ Dec. 17, 2024	Mar. 26, 2025	Radiation (03CH20-HY)
Software	Audix	N/A	RK-002156	N/A	N/A	Nov. 01, 2024~ Dec. 17, 2024	N/A	Radiation (03CH20-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 01, 2024	Nov. 05, 2024~ Dec. 18, 2024	Oct. 30, 2025	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	15I00041SNO 10 (NO:248)	10MHz~6GHz	Jan. 10, 2024	Nov. 05, 2024~ Dec. 18, 2024	Jan. 09, 2025	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 23, 2024	Nov. 05, 2024~ Dec. 18, 2024	Aug. 22, 2025	Conducted (TH05-HY)
Switch Control Mainframe	Burgeon	ETF-058	EC1300484 (BOX3)	N/A	May 20, 2024	Nov. 05, 2024~ Dec. 18, 2024	May 19, 2025	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_v ersion_240513	N/A	Conducted Other Test Item	N/A	Nov. 05, 2024~ Dec. 18, 2024	N/A	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Nov. 11, 2024	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 06, 2023	Nov. 11, 2024	Dec. 05, 2024	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Oct. 14, 2024	Nov. 11, 2024	Oct. 13, 2025	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 08, 2023	Nov. 11, 2024	Dec. 07, 2024	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Nov. 11, 2024	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBE CK	VTSD 9561-F N	00691	N/A	Jul. 30, 2024	Nov. 11, 2024	Jul. 29, 2025	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	MQT24082501	N/A	Oct. 15, 2024	Nov. 11, 2024	Oct. 14, 2025	Conduction (CO05-HY)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.7 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.7 dB

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.6 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.7 dB

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Junyu Jhou	Temperature:	21~25	°C
Test Date:	2024/11/05~2024/12/18	Relative Humidity:	51~54	%

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 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	149	5745	16.66	16.48	25.84	20.84	16.31	16.31	0.5	Pass
11a	6Mbps	2	157	5785	16.59	16.47	23.08	20.57	16.02	16.28	0.5	Pass
11a	6Mbps	2	165	5825	16.55	16.47	20.71	20.51	16.29	16.30	0.5	Pass
VHT20	MCS0	2	149	5745	17.62	17.61	20.90	21.26	16.92	16.66	0.5	Pass
VHT20	MCS0	2	157	5785	17.65	17.64	21.18	22.14	16.04	16.65	0.5	Pass
VHT20	MCS0	2	165	5825	17.61	17.61	21.21	21.14	16.67	17.28	0.5	Pass
VHT40	MCS0	2	151	5755	36.29	36.24	41.41	40.74	36.29	35.93	0.5	Pass
VHT40	MCS0	2	159	5795	36.24	36.26	41.26	41.06	36.06	36.01	0.5	Pass
VHT80	MCS0	2	155	5775	75.36	75.44	84.00	82.56	72.93	75.07	0.5	Pass

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 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7	
11a	6Mbps	2	149	5745	21.29	21.21	24.26	30.00		1.31		Pass
11a	6Mbps	2	157	5785	21.00	20.90	23.96	30.00		1.31		Pass
11a	6Mbps	2	165	5825	21.29	21.32	24.32	30.00		1.31		Pass
HT20	MCS0	2	149	5745	20.38	20.10	23.25	30.00		1.31		Pass
HT20	MCS0	2	157	5785	20.65	20.20	23.44	30.00		1.31		Pass
HT20	MCS0	2	165	5825	20.50	20.06	23.30	30.00		1.31		Pass
HT40	MCS0	2	151	5755	20.24	19.50	22.90	30.00		1.31		Pass
HT40	MCS0	2	159	5795	19.90	19.20	22.57	30.00		1.31		Pass
VHT20	MCS0	2	149	5745	20.48	20.20	23.35	30.00		1.31		Pass
VHT20	MCS0	2	157	5785	20.75	20.30	23.54	30.00		1.31		Pass
VHT20	MCS0	2	165	5825	20.60	20.16	23.40	30.00		1.31		Pass
VHT40	MCS0	2	151	5755	20.34	19.60	23.00	30.00		1.31		Pass
VHT40	MCS0	2	159	5795	20.00	19.30	22.67	30.00		1.31		Pass
VHT80	MCS0	2	155	5775	17.99	17.72	20.87	30.00		1.31		Pass

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TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7	
11a	6Mbps	2	149	5745	0.03	0.03	6.41	6.17	9.42	30.00		4.16		Pass
11a	6Mbps	2	157	5785	0.03	0.03	6.23	6.14	9.24	30.00		4.16		Pass
11a	6Mbps	2	165	5825	0.03	0.03	6.35	6.46	9.47	30.00		4.16		Pass
VHT20	MCS0	2	149	5745	0.02	0.01	5.29	5.02	8.30	30.00		4.16		Pass
VHT20	MCS0	2	157	5785	0.02	0.01	6.03	5.80	9.04	30.00		4.16		Pass
VHT20	MCS0	2	165	5825	0.02	0.01	5.32	5.21	8.33	30.00		4.16		Pass
VHT40	MCS0	2	151	5755	0.00	0.00	2.42	1.78	5.43	30.00		4.16		Pass
VHT40	MCS0	2	159	5795	0.00	0.00	2.29	1.86	5.30	30.00		4.16		Pass
VHT80	MCS0	2	155	5775	0.02	0.00	-2.84	-3.03	0.17	30.00		4.16		Pass

Note: PSD Sum = Max PSD(Ant. 6, Ant. 7) + 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 6	Ant 7	Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	149	5745	Full	19.02	18.95	23.26	21.39	18.74	18.51	0.5	Pass
HE20	MCS0	2	157	5785	Full	19.08	18.96	30.95	21.91	18.55	18.62	0.5	Pass
HE20	MCS0	2	165	5825	Full	19.00	18.95	23.26	21.16	18.62	18.58	0.5	Pass
HE40	MCS0	2	151	5755	Full	38.08	37.98	44.54	41.30	37.73	37.11	0.5	Pass
HE40	MCS0	2	159	5795	Full	38.00	38.00	41.87	41.62	37.79	37.19	0.5	Pass
HE80	MCS0	2	155	5775	Full	77.21	77.16	82.56	83.23	76.93	75.10	0.5	Pass

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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 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7	
HE20	MCS0	2	149	5745	Full	20.58	20.30	23.45	30.00		1.31		Pass
HE20	MCS0	2	149	5745	26/0	10.49	10.23	13.37	30.00		1.31		Pass
HE20	MCS0	2	149	5745	52/37	14.03	13.62	16.84	30.00		1.31		Pass
HE20	MCS0	2	149	5745	106/53	17.15	16.71	19.95	30.00		1.31		Pass
HE20	MCS0	2	157	5785	Full	20.85	20.40	23.64	30.00		1.31		Pass
HE20	MCS0	2	157	5785	26/4	11.35	10.75	14.07	30.00		1.31		Pass
HE20	MCS0	2	157	5785	52/38	14.27	13.85	17.08	30.00		1.31		Pass
HE20	MCS0	2	157	5785	106/53	17.38	17.41	20.41	30.00		1.31		Pass
HE20	MCS0	2	165	5825	Full	20.70	20.26	23.50	30.00		1.31		Pass
HE20	MCS0	2	165	5825	26/8	10.58	10.67	13.64	30.00		1.31		Pass
HE20	MCS0	2	165	5825	52/40	13.66	13.60	16.64	30.00		1.31		Pass
HE20	MCS0	2	165	5825	106/54	16.67	16.77	19.73	30.00		1.31		Pass
HE40	MCS0	2	151	5755	Full	20.44	19.70	23.10	30.00		1.31		Pass
HE40	MCS0	2	151	5755	242/61	17.43	17.25	20.35	30.00		1.31		Pass
HE40	MCS0	2	159	5795	Full	20.10	19.40	22.77	30.00		1.31		Pass
HE40	MCS0	2	159	5795	242/62	16.82	16.54	19.69	30.00		1.31		Pass
HE80	MCS0	2	155	5775	Full	18.09	17.82	20.97	30.00		1.31		Pass
HE80	MCS0	2	155	5775	484/65	15.00	14.52	17.78	30.00		1.31		Pass
HE80	MCS0	2	155	5775	484/66	14.74	14.34	17.55	30.00		1.31		Pass

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TEST RESULTS DATA
Power Spectral Density

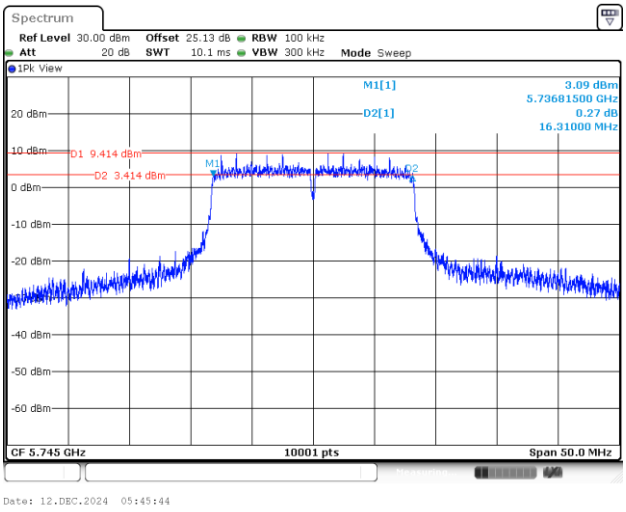
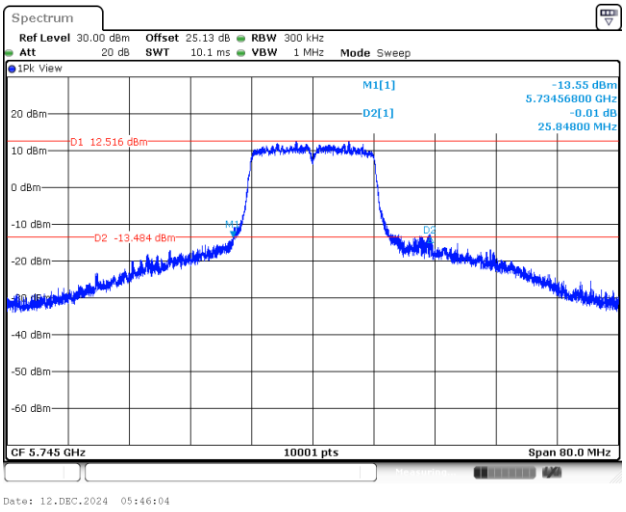
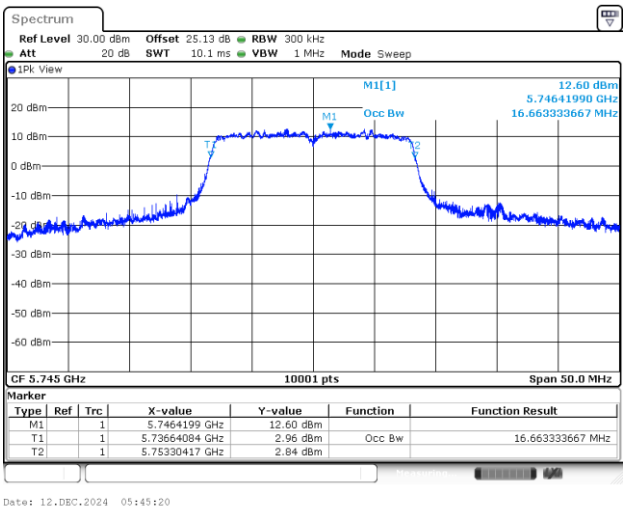
U-NII-3 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7	
HE20	MCS0	2	149	5745	Full	0.02	0.00	4.99	4.84	8.00	30.00		4.16		Pass
HE20	MCS0	2	149	5745	26/0	0.02	0.02	4.51	4.44	7.52	30.00		4.16		Pass
HE20	MCS0	2	149	5745	52/37	0.02	0.02	4.89	4.59	7.90	30.00		4.16		Pass
HE20	MCS0	2	149	5745	106/53	0.00	0.01	4.80	4.42	7.81	30.00		4.16		Pass
HE20	MCS0	2	157	5785	Full	0.02	0.00	5.64	5.26	8.65	30.00		4.16		Pass
HE20	MCS0	2	157	5785	26/4	0.02	0.02	5.45	5.08	8.46	30.00		4.16		Pass
HE20	MCS0	2	157	5785	52/38	0.02	0.02	5.55	5.15	8.56	30.00		4.16		Pass
HE20	MCS0	2	157	5785	106/53	0.00	0.01	5.23	5.53	8.54	30.00		4.16		Pass
HE20	MCS0	2	165	5825	Full	0.02	0.00	5.23	5.02	8.24	30.00		4.16		Pass
HE20	MCS0	2	165	5825	26/8	0.02	0.02	4.94	5.11	8.12	30.00		4.16		Pass
HE20	MCS0	2	165	5825	52/40	0.02	0.02	4.86	4.83	7.87	30.00		4.16		Pass
HE20	MCS0	2	165	5825	106/54	0.00	0.01	4.56	4.82	7.83	30.00		4.16		Pass
HE40	MCS0	2	151	5755	Full	0.01	0.01	2.11	1.46	5.12	30.00		4.16		Pass
HE40	MCS0	2	151	5755	242/61	0.03	0.03	1.72	1.58	4.73	30.00		4.16		Pass
HE40	MCS0	2	159	5795	Full	0.01	0.01	2.18	1.48	5.19	30.00		4.16		Pass
HE40	MCS0	2	159	5795	242/62	0.03	0.03	1.34	1.18	4.35	30.00		4.16		Pass
HE80	MCS0	2	155	5775	Full	0.01	0.01	-2.99	-3.17	0.02	30.00		4.16		Pass
HE80	MCS0	2	155	5775	484/65	0.05	0.05	-3.31	-3.73	-0.30	30.00		4.16		Pass
HE80	MCS0	2	155	5775	484/66	0.05	0.05	-3.56	-3.77	-0.55	30.00		4.16		Pass

Note: PSD Sum = Max PSD(Ant. 6, Ant. 7) + 10 log (n)

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

MIMO <Ant. 6+7>

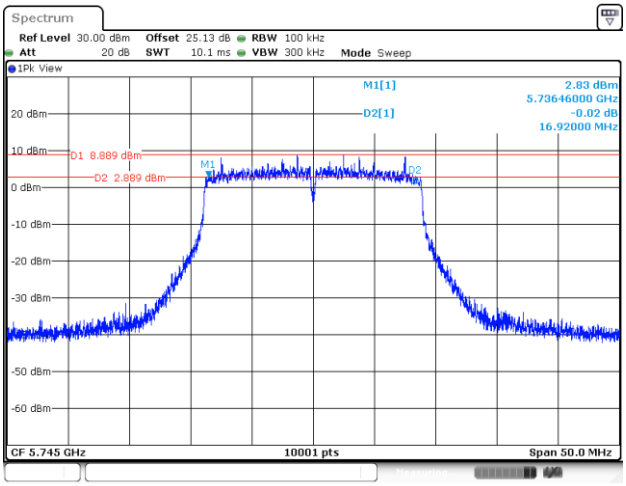
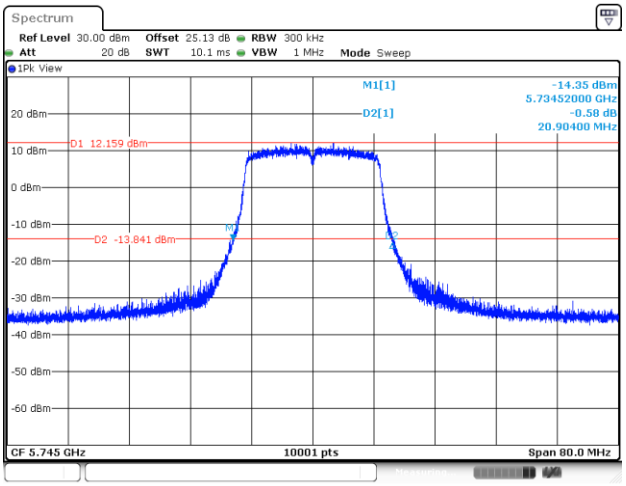
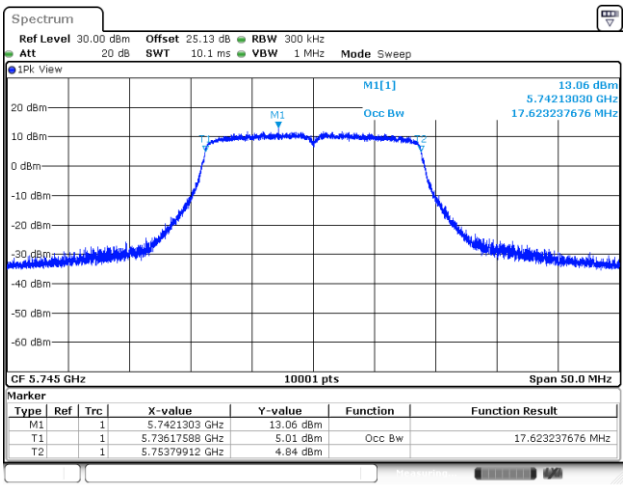
<802.11a>

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

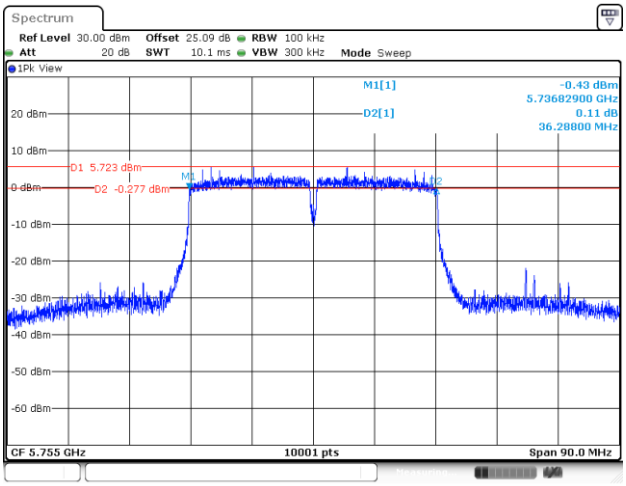
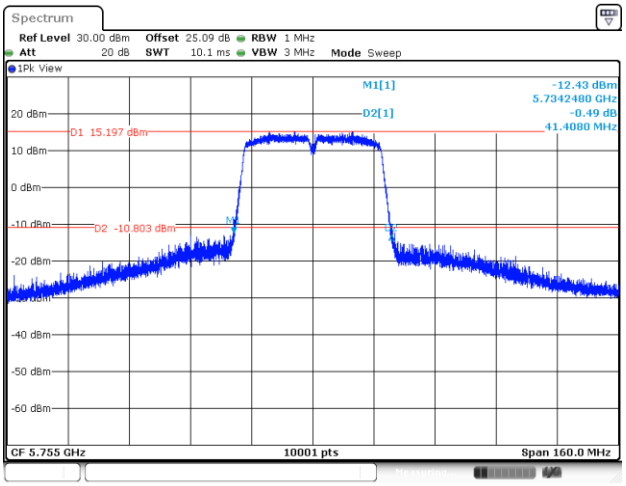
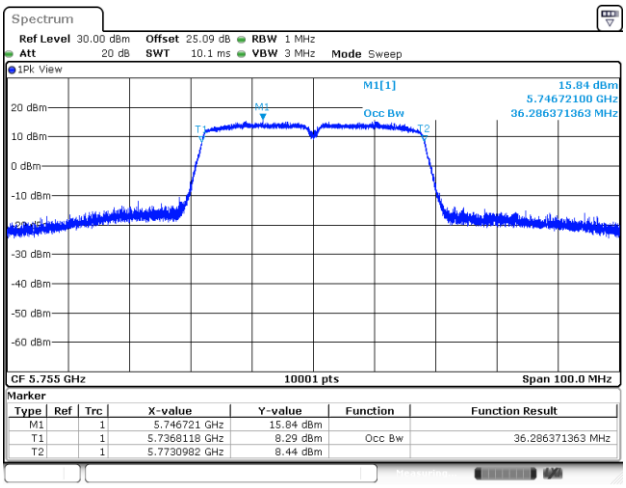
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.7464199 GHz	12.60 dBm		
T1		1	5.73664084 GHz	2.96 dBm	Occ Bw	16.663333667 MHz
T2		1	5.75330417 GHz	2.84 dBm		

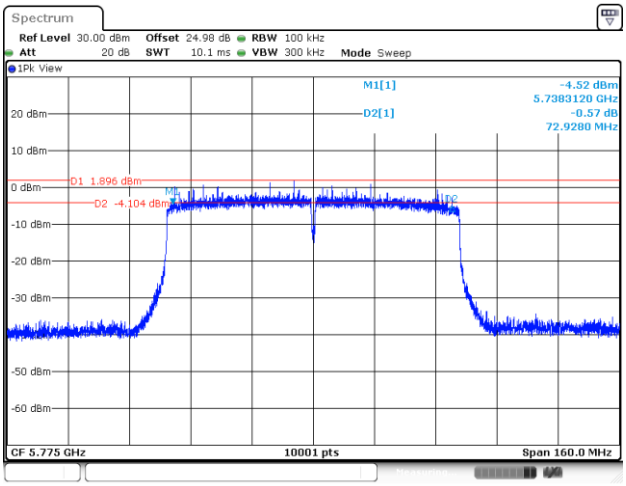
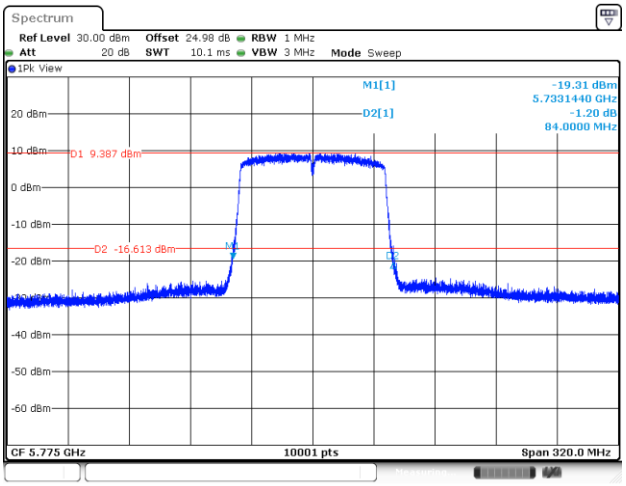
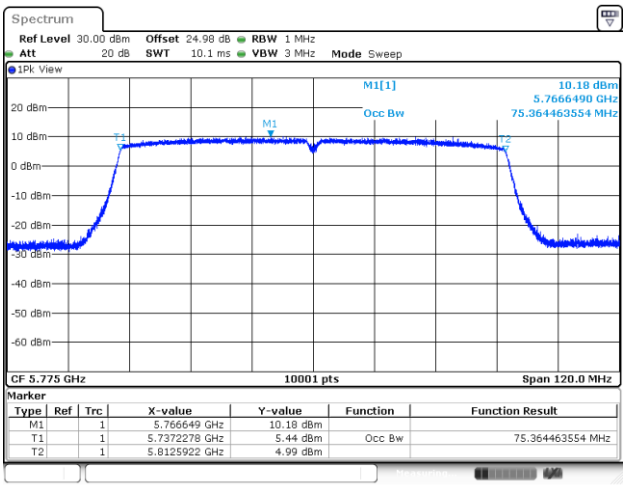
<802.11ac VHT20>

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

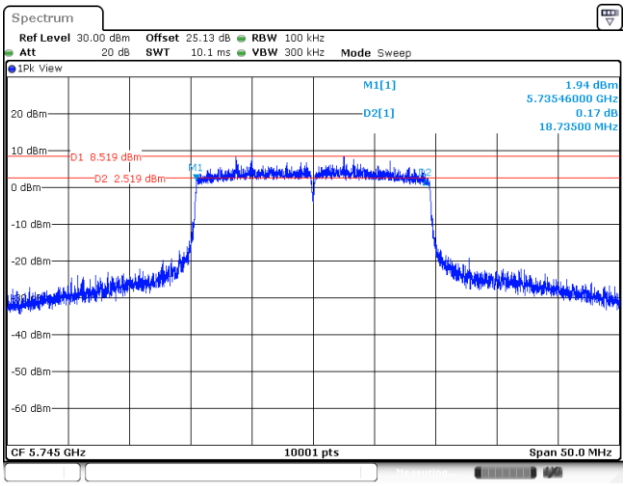
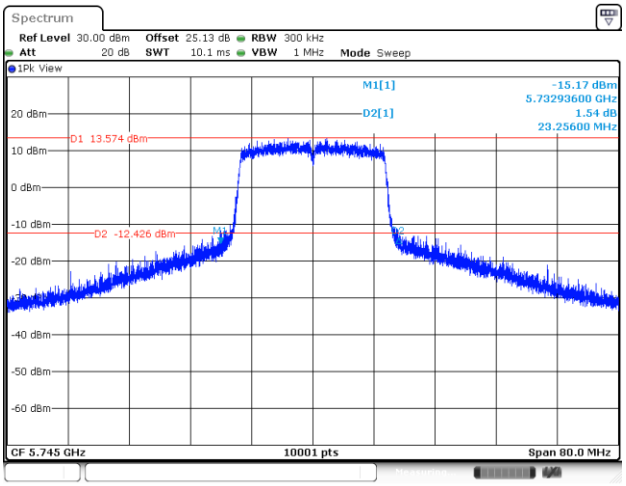
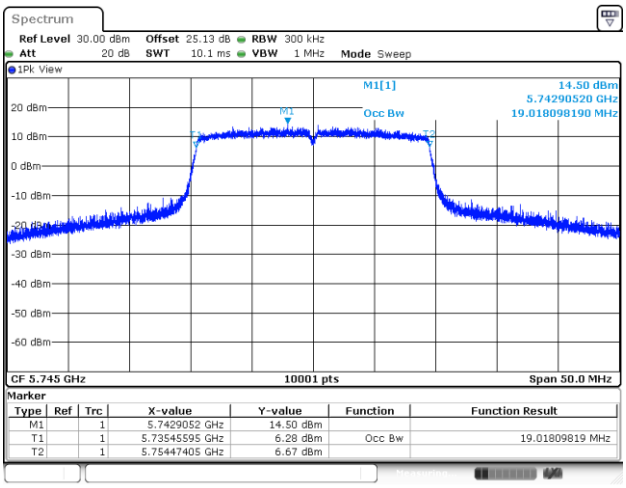
<802.11ac VHT40>

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

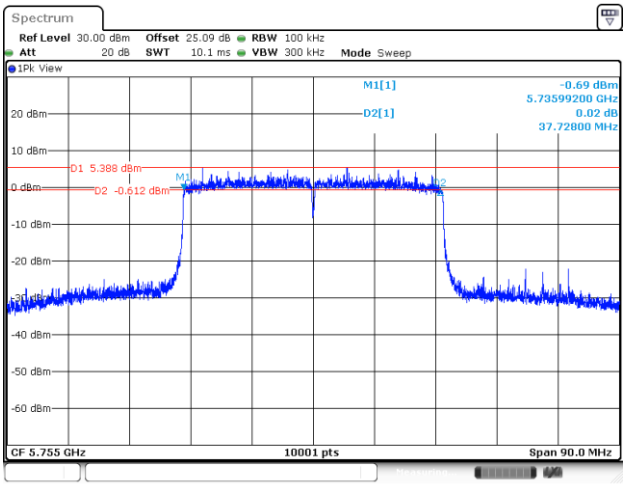
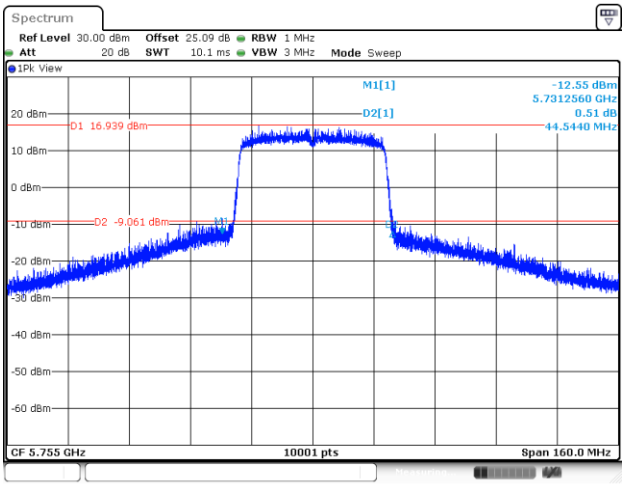
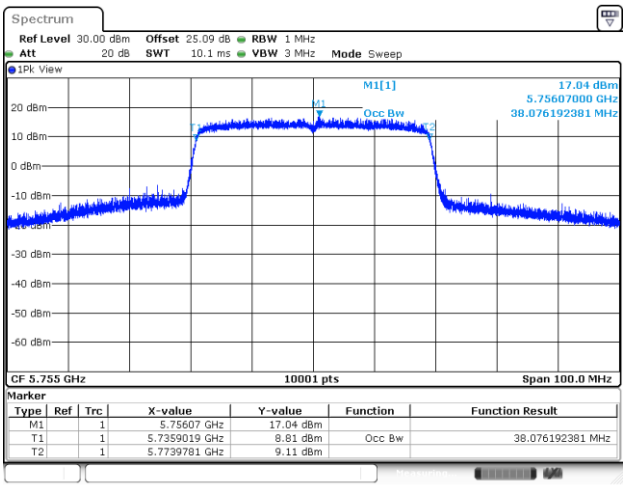
<802.11ac VHT80>

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

<802.11ax HE20>

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

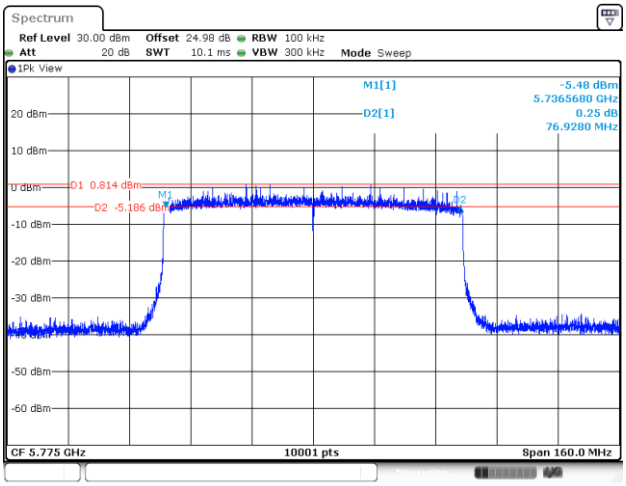
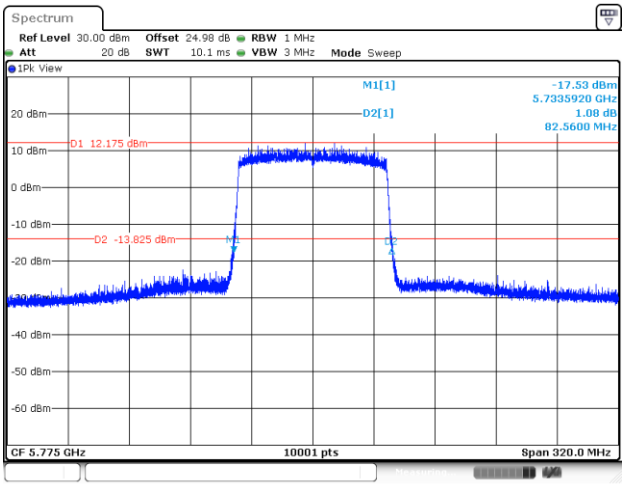
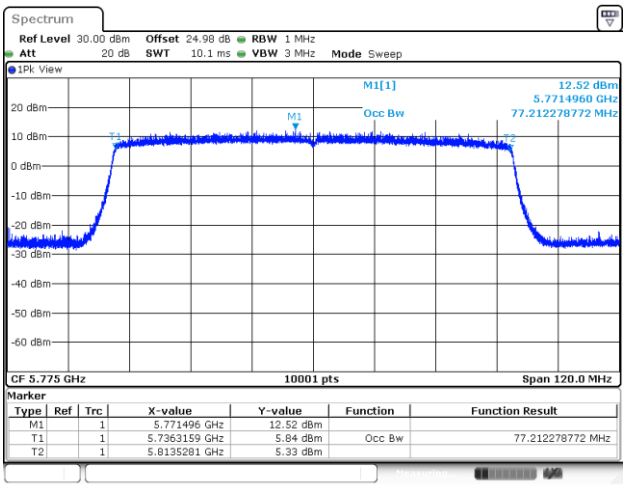
<802.11ax HE40>

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

Marker

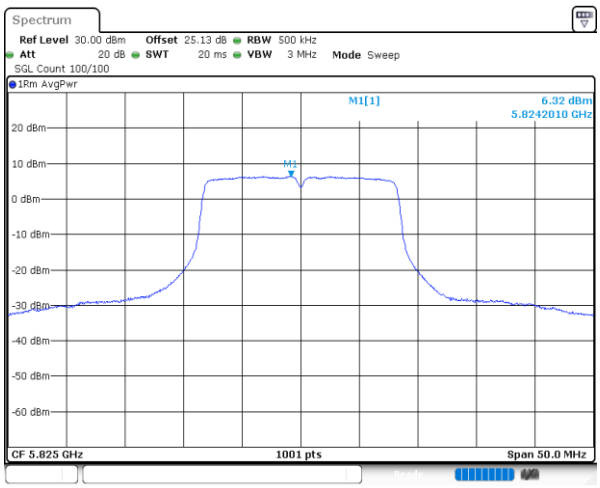
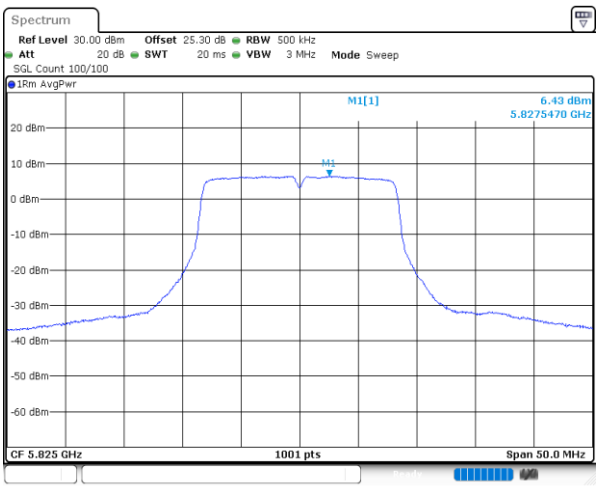
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.75607 GHz	17.04 dBm		
T1		1	5.7359019 GHz	8.81 dBm	Occ Bw	38.076192381 MHz
T2		1	5.7739781 GHz	9.11 dBm		

<802.11ax HE80>

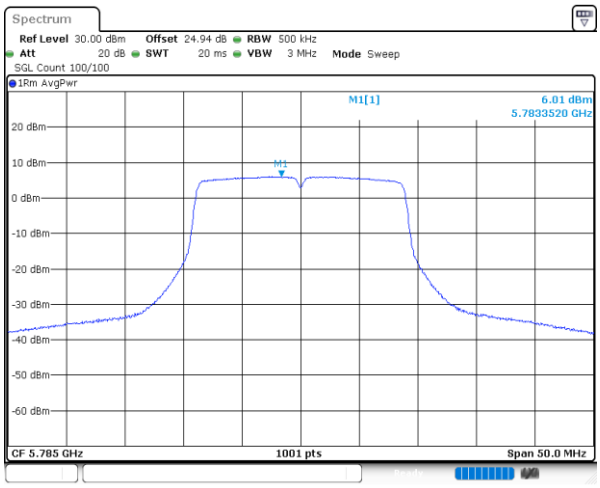
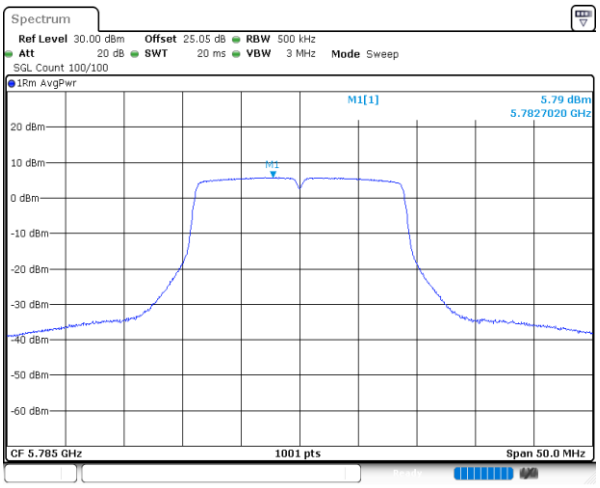
6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

Test Result of Power Spectral Density

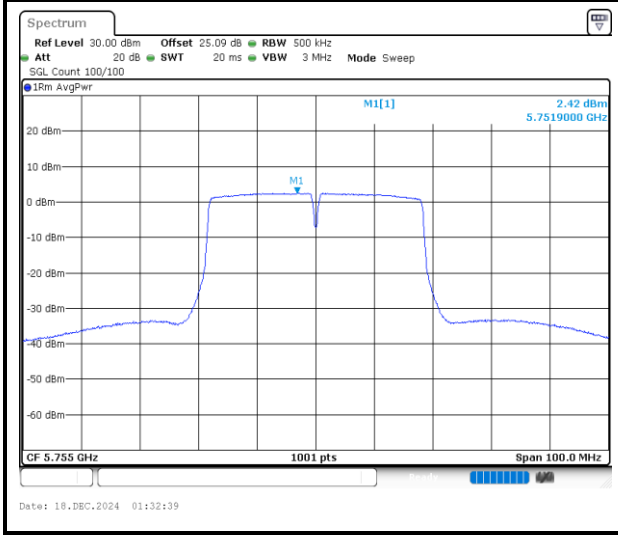
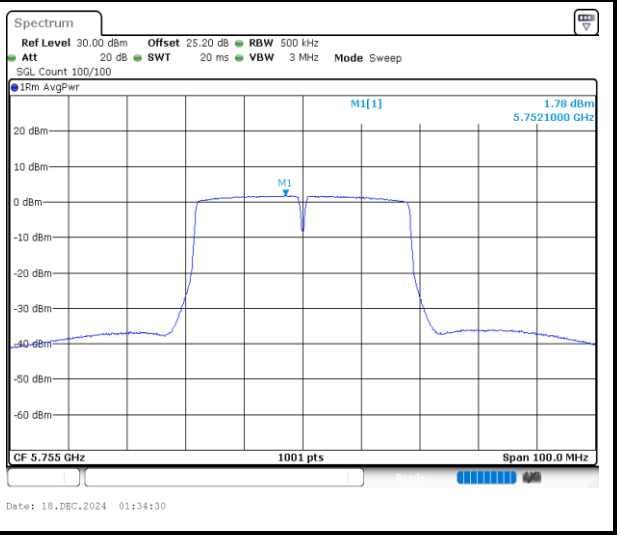
<802.11a>

Maximum Power Density Plot (dBm/500kHz)	
MIMO Ant. 6	MIMO Ant. 7
	

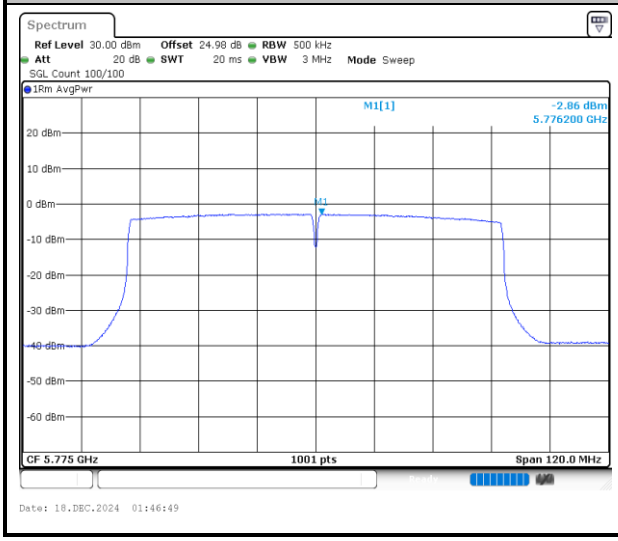
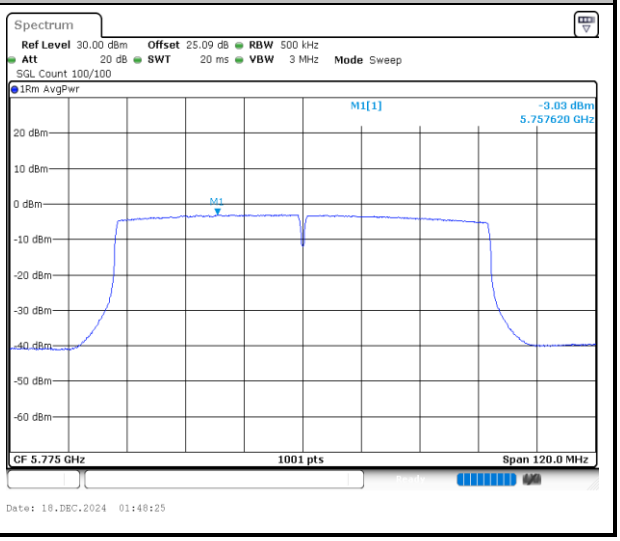
<802.11ac VHT20>

Maximum Power Density Plot (dBm/500kHz)	
MIMO Ant. 6	MIMO Ant. 7
	

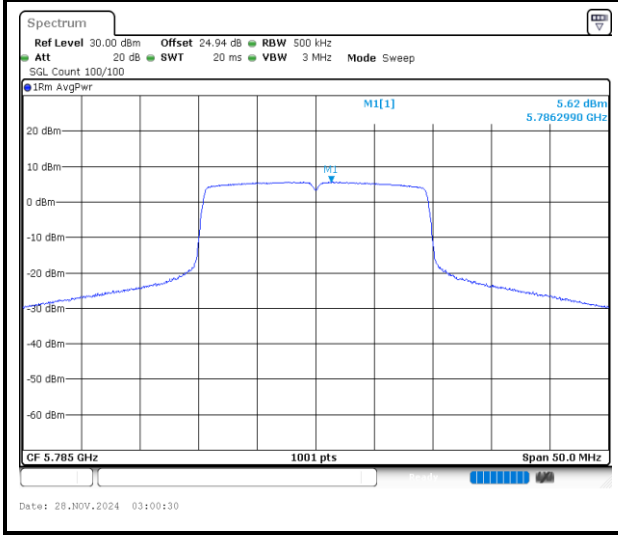
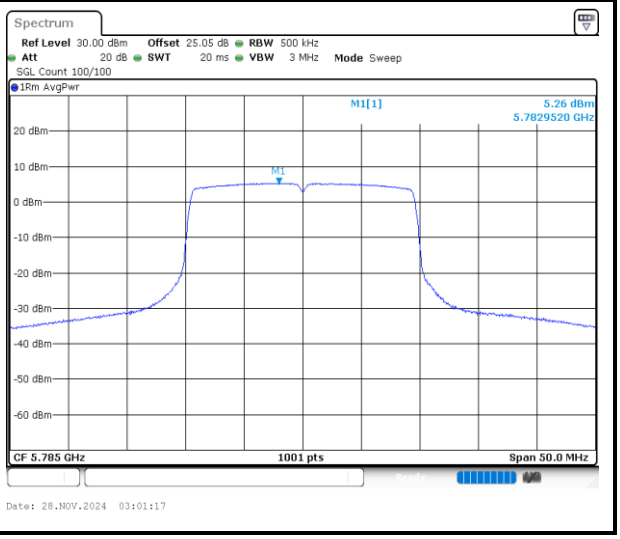
<802.11ac VHT40>

Maximum Power Density Plot (dBm/500kHz)	
MIMO Ant. 6	MIMO Ant. 7
	

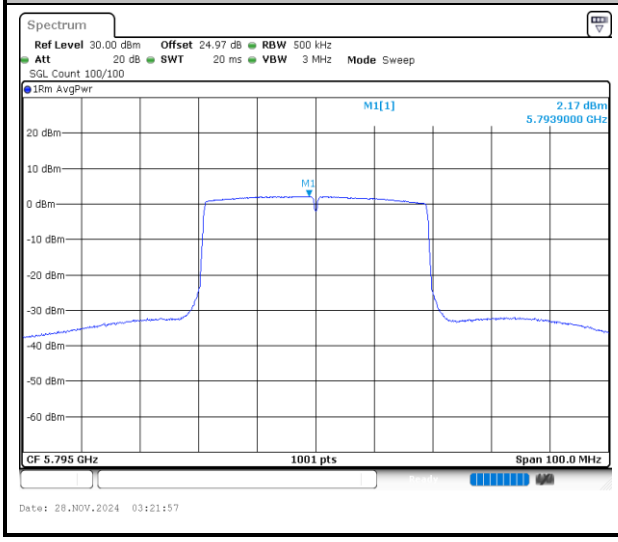
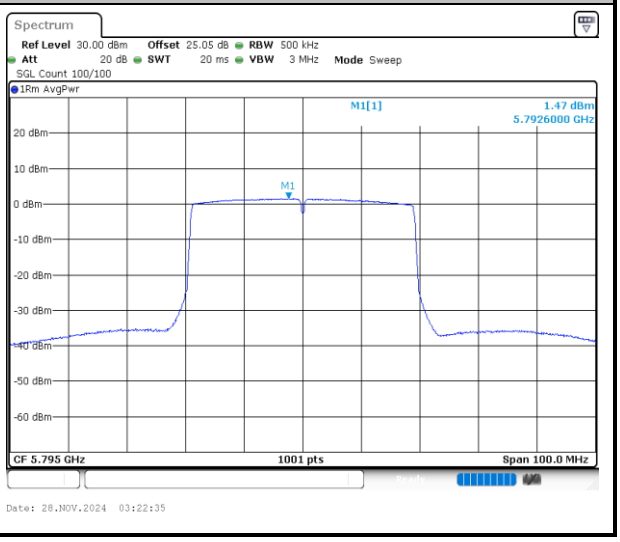
<802.11ac VHT80>

Maximum Power Density Plot (dBm/500kHz)	
MIMO Ant. 6	MIMO Ant. 7
	

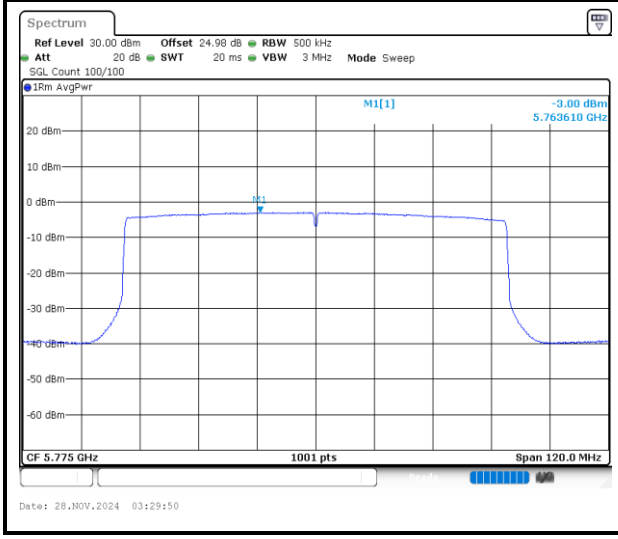
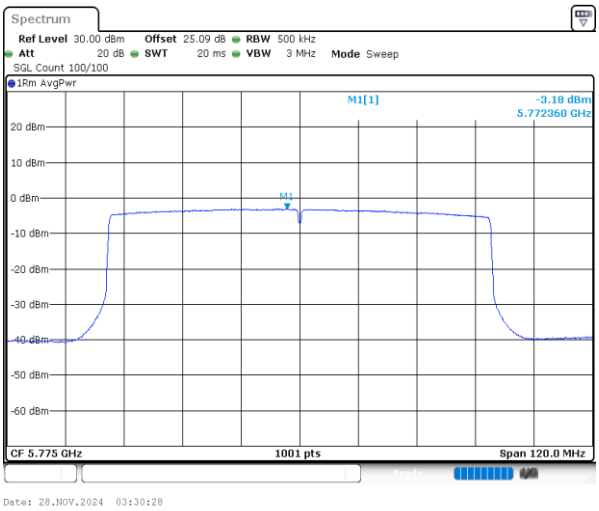
<802.11ax HE20>

Maximum Power Density Plot (dBm/500kHz)	
MIMO Ant. 6	MIMO Ant. 7
	

<802.11ax HE40>

Maximum Power Density Plot (dBm/500kHz)	
MIMO Ant. 6	MIMO Ant. 7
	

<802.11ax HE80>

Maximum Power Density Plot (dBm/500kHz)	
MIMO Ant. 6	**MIMO Ant. 7**
	

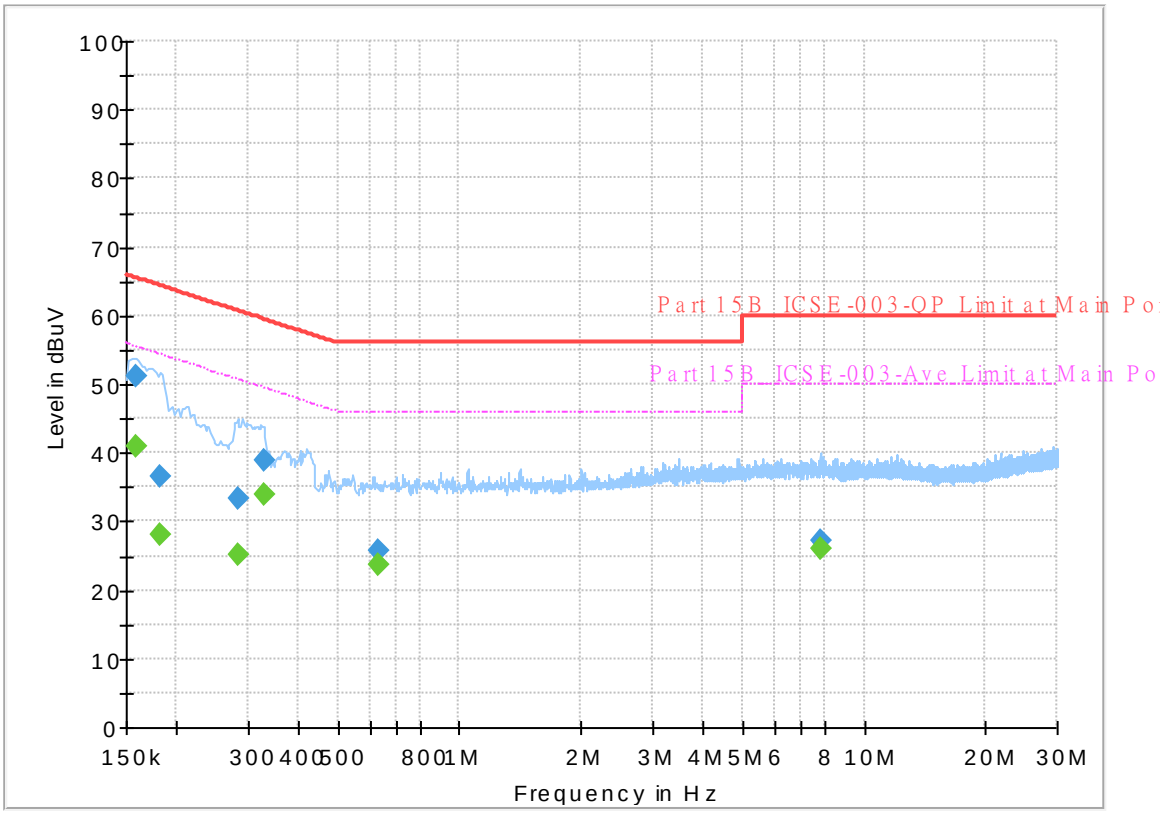
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Calvin Wang	**Temperature :**	23~26℃
		Relative Humidity :	45~55%

EUT Information

Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



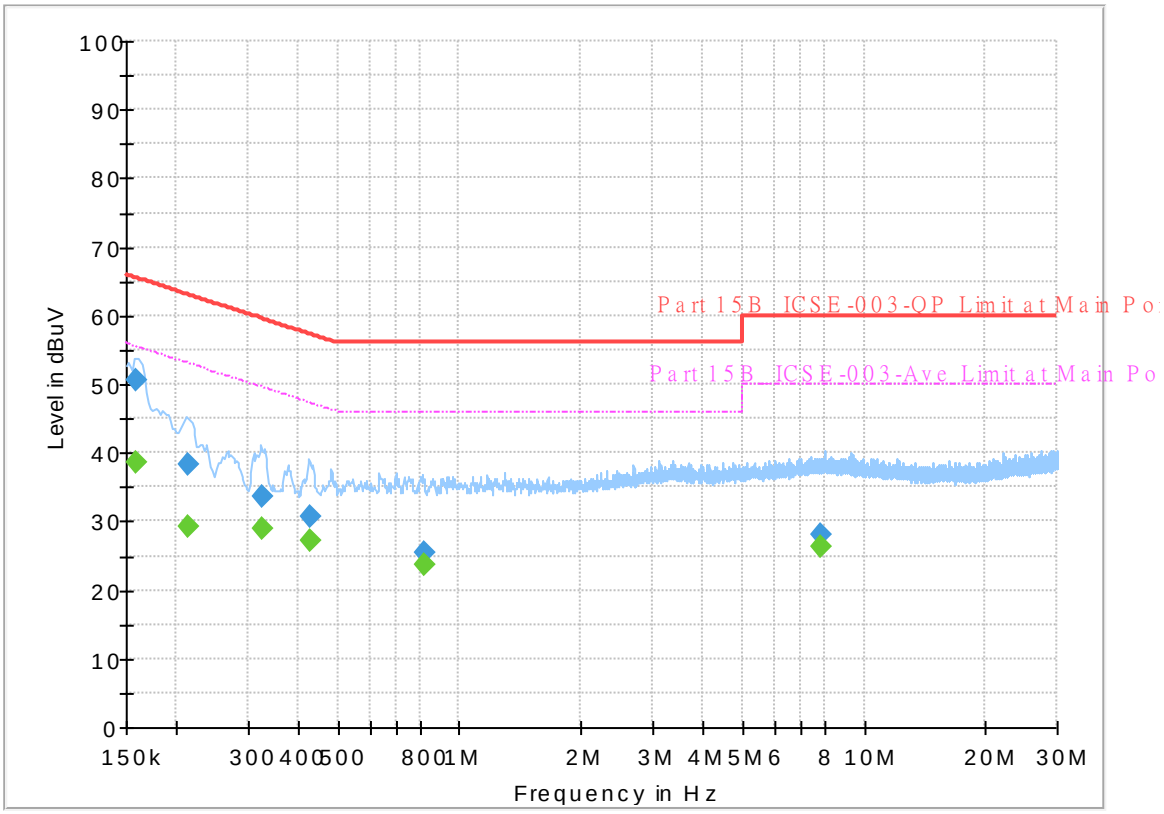
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	40.96	55.52	14.56	L1	OFF	19.8
0.159000	51.07	---	65.52	14.45	L1	OFF	19.8
0.181500	---	28.13	54.42	26.29	L1	OFF	19.8
0.181500	36.52	---	64.42	27.90	L1	OFF	19.8
0.285000	---	25.23	50.67	25.44	L1	OFF	19.8
0.285000	33.21	---	60.67	27.46	L1	OFF	19.8
0.327750	---	33.84	49.51	15.67	L1	OFF	19.8
0.327750	38.90	---	59.51	20.61	L1	OFF	19.8
0.629250	---	23.79	46.00	22.21	L1	OFF	19.8
0.629250	25.76	---	56.00	30.24	L1	OFF	19.8
7.786500	---	25.90	50.00	24.10	L1	OFF	20.2
7.786500	27.28	---	60.00	32.72	L1	OFF	20.2

EUT Information

Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	38.59	55.52	16.93	N	OFF	19.8
0.159000	50.66	---	65.52	14.86	N	OFF	19.8
0.213000	---	29.23	53.09	23.86	N	OFF	19.8
0.213000	38.33	---	63.09	24.76	N	OFF	19.8
0.325500	---	29.06	49.57	20.51	N	OFF	19.8
0.325500	33.75	---	59.57	25.82	N	OFF	19.8
0.426750	---	27.26	47.32	20.06	N	OFF	19.8
0.426750	30.69	---	57.32	26.63	N	OFF	19.8
0.816000	---	23.60	46.00	22.40	N	OFF	19.8
0.816000	25.54	---	56.00	30.46	N	OFF	19.8
7.860750	---	26.35	50.00	23.65	N	OFF	20.2
7.860750	28.06	---	60.00	31.94	N	OFF	20.2

Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	John Chuang, David Dai and Sam Chou	**Temperature :**	19.6~23.4°C
		Relative Humidity :	64.8~70.5%

Note symbol

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

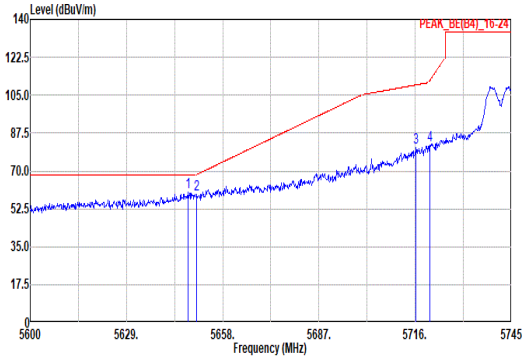
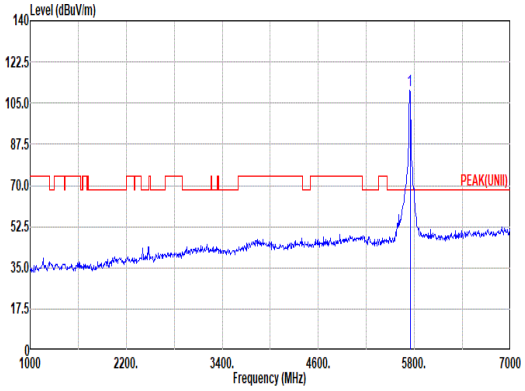
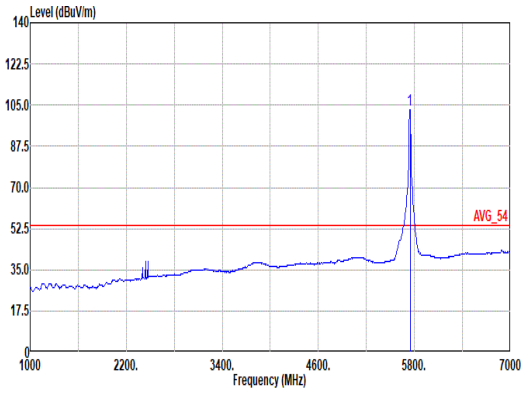
<Sample 1>

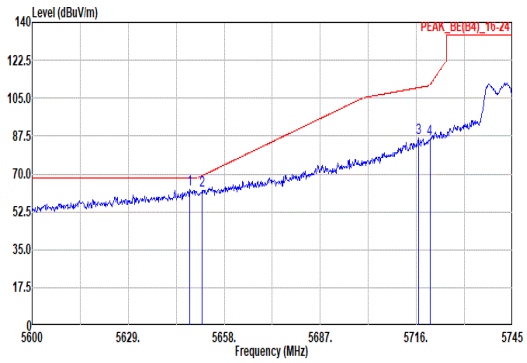
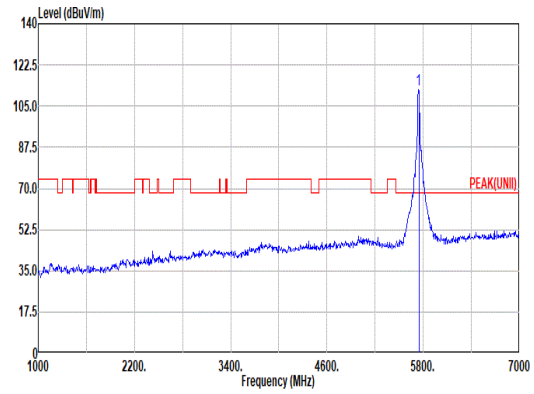
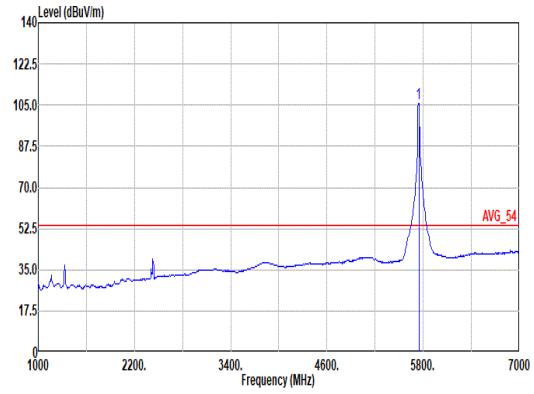
C1. Radiated Spurious Emission Test Modes

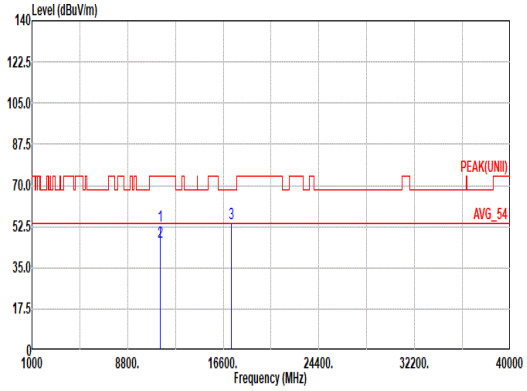
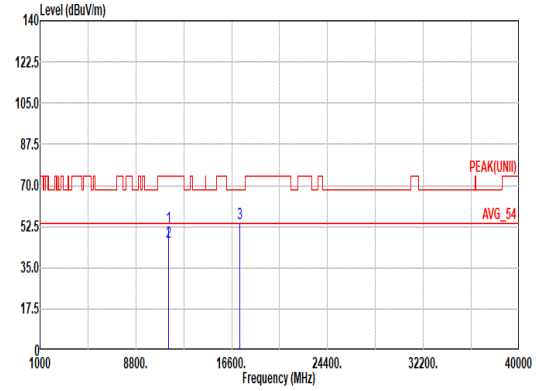
Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 51	U-NII-3	5.725-5.85	6+7	802.11a	149	5745	6Mbps	-	-
Mode 52	U-NII-3	5.725-5.85	6+7	802.11a	157	5785	6Mbps	-	-
Mode 53	U-NII-3	5.725-5.85	6+7	802.11a	165	5825	6Mbps	-	-
Mode 54	U-NII-3	5.725-5.85	6+7	802.11ax HE20	149	5745	MCS0	Full RU	-
Mode 55	U-NII-3	5.725-5.85	6+7	802.11ax HE20	149	5745	MCS0	Partial_106/53RU	-
Mode 56	U-NII-3	5.725-5.85	6+7	802.11ax HE20	157	5825	MCS0	Full RU	-
Mode 57	U-NII-3	5.725-5.85	6+7	802.11ax HE20	165	5825	MCS0	Full RU	-
Mode 58	U-NII-3	5.725-5.85	6+7	802.11ax HE20	165	5825	MCS0	Partial_106/54RU	-
Mode 59	U-NII-3	5.725-5.85	6+7	802.11ax HE40	151	5755	MCS0	Full RU	-
Mode 60	U-NII-3	5.725-5.85	6+7	802.11ax HE40	151	5755	MCS0	Partial_242/61RU	-
Mode 61	U-NII-3	5.725-5.85	6+7	802.11ax HE40	159	5795	MCS0	Full RU	-
Mode 62	U-NII-3	5.725-5.85	6+7	802.11ax HE40	159	5795	MCS0	Partial_242/62RU	-
Mode 63	U-NII-3	5.725-5.85	6+7	802.11ax HE80	155	5775	MCS0	Full RU	-
Mode 64	U-NII-3	5.725-5.85	6+7	802.11ax HE80	155	5775	MCS0	Partial_484/65RU	-
Mode 65	U-NII-3	5.725-5.85	6+7	802.11ax HE80	155	5775	MCS0	Partial_484/66RU	-
Mode 69	U-NII-3	5.725-5.85	6+7	802.11ax HE80	155	5775	MCS0	Partial_484/65RU	LF
Mode 71	U-NII-3	5.725-5.85	6+7	802.11ac VHT20	149	5745	MCS0	-	-

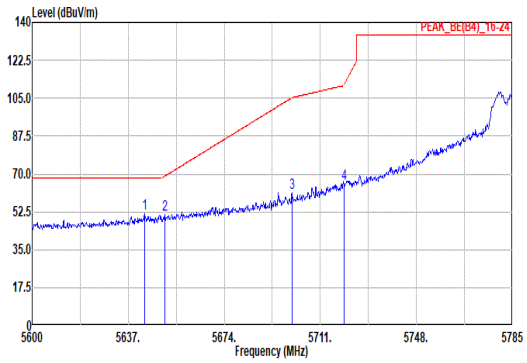
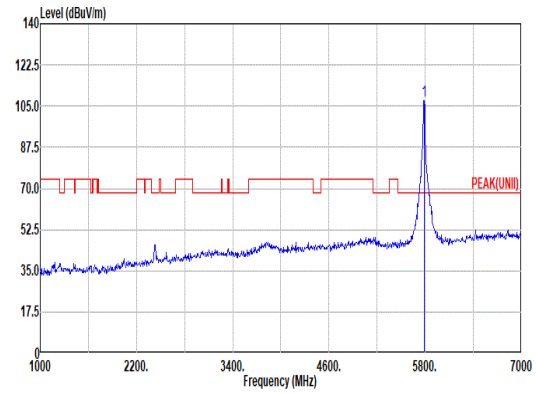
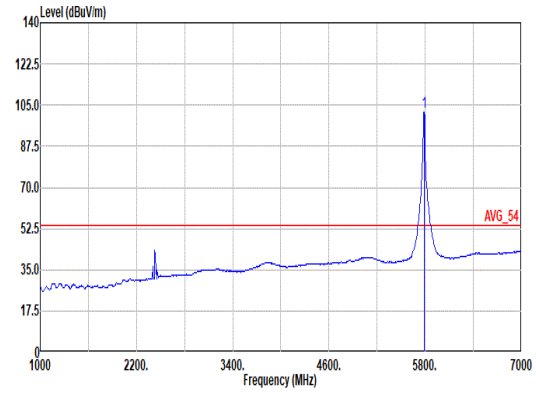
C2. Summary of each worse mode

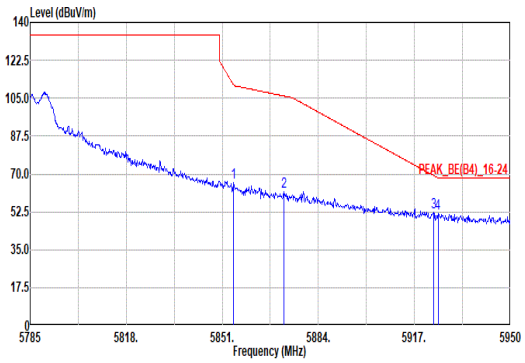
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
51	802.11a	149	5647.56	62.99	68.20	-5.21	V	Peak	Pass	-	Band Edge
	802.11a	149	11490.00	46.00	54.00	-8.00	V	Avg.	Pass	-	Harmonic
52	802.11a	157	5925.25	56.52	68.20	-11.68	V	Peak	Pass	-	Band Edge
	802.11a	157	11570.00	45.04	54.00	-8.96	H	Avg.	Pass	-	Harmonic
53	802.11a	165	5924.63	58.88	68.48	-9.60	V	Peak	Pass	-	Band Edge
	802.11a	165	11650.00	44.75	54.00	-9.25	H	Avg.	Pass	-	Harmonic
54	802.11ax HE20	149	5648.00	64.78	68.20	-3.42	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	149	11490.00	45.41	54.00	-8.59	H	Avg.	Pass	Full RU	Harmonic
55	802.11ax HE20	149	5651.04	67.78	68.97	-1.19	V	Peak	Pass	Partial_106/53RU	Band Edge
	802.11ax HE20	149	-	-	-	-	-	-	-	Partial_106/53RU	Harmonic
56	802.11ax HE20	157	5652.17	60.74	69.81	-9.07	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	157	11570.00	44.55	54.00	-9.45	H	Avg.	Pass	Full RU	Harmonic
57	802.11ax HE20	165	5925.63	62.04	68.20	-6.16	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	165	11650.00	43.83	54.00	-10.17	H	Avg.	Pass	Full RU	Harmonic
58	802.11ax HE20	165	5935.00	66.05	68.20	-2.15	H	Peak	Pass	Partial_106/54RU	Band Edge
	802.11ax HE20	165	-	-	-	-	-	-	-	Partial_106/54RU	Harmonic
59	802.11ax HE40	151	5653.17	62.86	70.55	-7.69	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE40	151	11510.00	41.35	54.00	-12.65	H	Avg.	Pass	Full RU	Harmonic
60	802.11ax HE40	151	5642.32	64.72	68.20	-3.48	H	Peak	Pass	Partial_242/61RU	Band Edge
	802.11ax HE40	151	-	-	-	-	-	-	-	Partial_242/61RU	Harmonic
61	802.11ax HE40	159	5922.41	66.07	70.11	-4.04	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE40	159	11590.00	41.78	54.00	-12.22	V	Avg.	Pass	Full RU	Harmonic
62	802.11ax HE40	159	5931.56	66.27	68.20	-1.93	H	Peak	Pass	Partial_242/62RU	Band Edge
	802.11ax HE40	159	-	-	-	-	-	-	-	Partial_242/62RU	Harmonic
63	802.11ax HE80	155	5949.83	64.69	68.20	-3.51	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE80	155	11550.00	41.96	54.00	-12.04	V	Avg.	Pass	Full RU	Harmonic
64	802.11ax HE80	155	5931.80	67.03	68.20	-1.17	H	Peak	Pass	Partial_484/65RU	Band Edge
	802.11ax HE80	155	-	-	-	-	-	-	-	Partial_484/65RU	Harmonic
65	802.11ax HE80	155	5929.35	63.92	68.20	-4.28	V	Peak	Pass	Partial_484/66RU	Band Edge
	802.11ax HE80	155	-	-	-	-	-	-	-	Partial_484/66RU	Harmonic
69	LF	155	55.22	31.96	40.00	-8.04	V	QP	Pass	-	LF
71	802.11ac VHT20	149	5646.26	58.21	68.20	-9.99	V	Peak	Pass	-	Band Edge
	802.11ac VHT20	149	11490.00	44.61	54.00	-9.39	H	Avg.	Pass	-	Harmonic

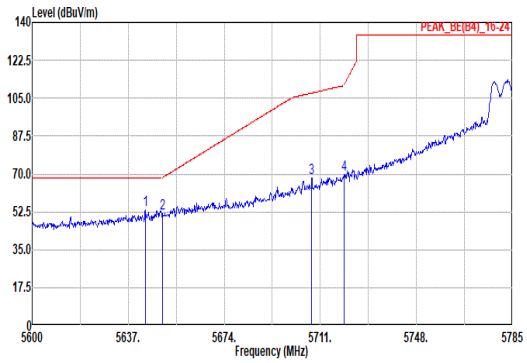
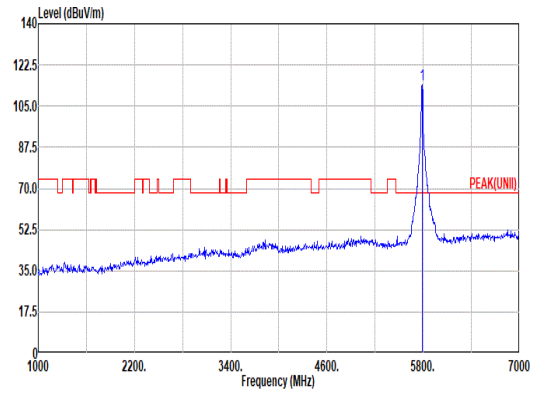
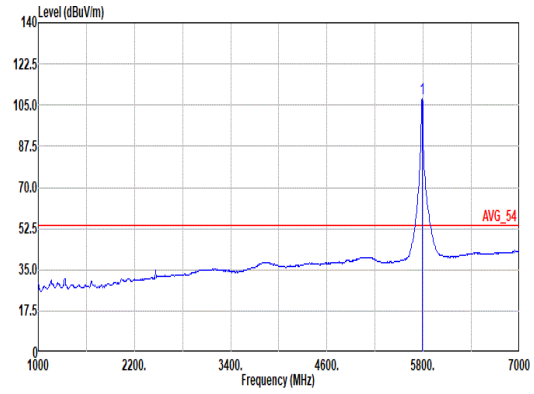
Mode	51	
	Band Edge	
	U-NII-3_5.725-5.85_802.11a_CH149_5745MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5647.56 60.06 68.20 -8.14 51.24 33.19 13.55 37.92 0.00 100 335 PEAK 2 5650.17 59.30 68.33 -9.03 50.46 33.20 13.56 37.92 0.00 100 335 PEAK 3 5716.29 80.81 109.76 -28.95 71.45 33.63 13.65 37.92 0.00 100 335 PEAK 4 5720.35 81.99 111.60 -29.61 72.62 33.64 13.65 37.92 0.00 100 335 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5745.00 110.66 ------ ------ 101.22 33.68 13.68 37.92 0.00 100 335 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 102.88 ------ ------ 93.42 33.69 13.69 37.92 0.00 100 335 AVERAGE

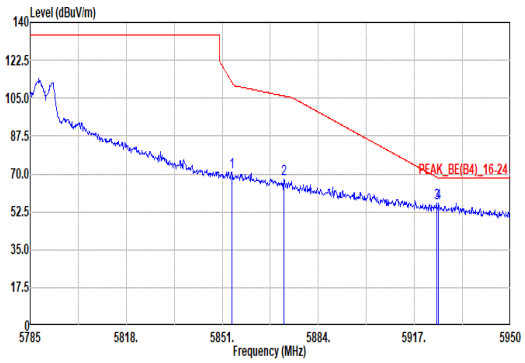
Mode	51	
	Band Edge	
	U-NII-3_5.725-5.85_802.11a_CH149_5745MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5647.56 62.99 68.20 -5.21 54.17 33.19 13.55 37.92 0.00 100 256 PEAK 2 5651.33 62.53 69.19 -6.66 53.68 33.21 13.56 37.92 0.00 100 256 PEAK 3 5716.58 86.61 109.84 -23.23 77.25 33.63 13.65 37.92 0.00 100 256 PEAK 4 5720.06 86.21 110.94 -24.73 76.84 33.64 13.65 37.92 0.00 100 256 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5745.00 112.24 ------ ------ 102.80 33.68 13.68 37.92 0.00 100 256 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 105.90 ------ ------ 96.46 33.68 13.68 37.92 0.00 100 256 AVERAGE

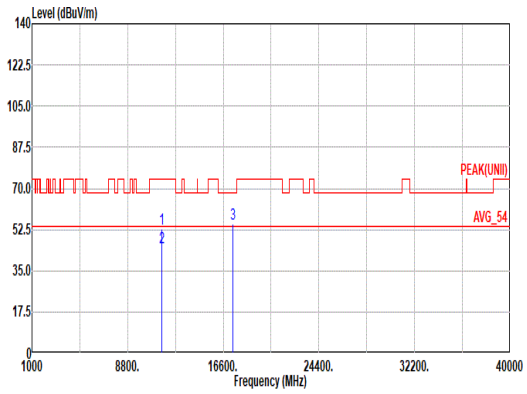
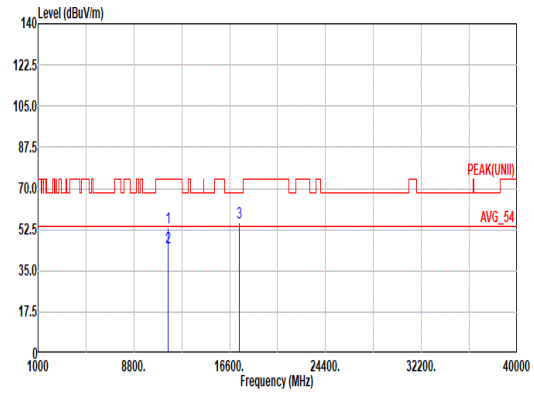
Mode	51	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH149_5745MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11490.00 52.93 74.00 -21.07 35.82 39.20 19.46 42.47 0.92 321 177 PEAK 2 11490.00 45.76 54.00 -8.24 28.65 39.20 19.46 42.47 0.92 321 177 Average 3 17235.00 53.90 68.20 -14.30 33.94 39.57 24.06 44.61 0.94 -- -- PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 52.24 74.00 -21.76 35.13 39.20 19.46 42.47 0.92 315 335 PEAK 2 11490.00 46.00 54.00 -8.00 28.89 39.20 19.46 42.47 0.92 315 335 Average 3 17235.00 53.64 68.20 -14.56 33.68 39.57 24.06 44.61 0.94 -- -- PEAK

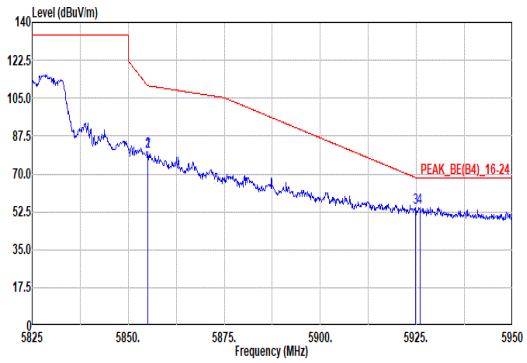
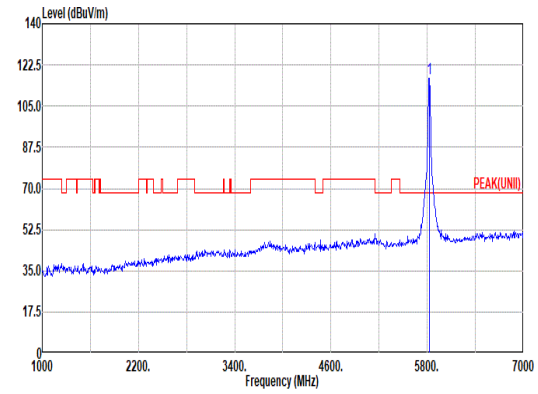
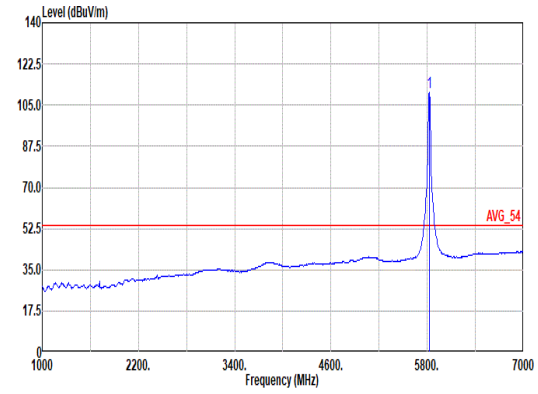
Mode	52	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5643.29 51.97 68.20 -16.23 43.17 33.17 13.55 37.92 0.00 200 325 PEAK 2 5651.06 51.36 68.99 -17.63 42.51 33.21 13.56 37.92 0.00 200 325 PEAK 3 5700.09 61.46 105.22 -43.76 52.15 33.60 13.63 37.92 0.00 200 325 PEAK 4 5720.07 65.47 110.95 -45.48 56.10 33.64 13.65 37.92 0.00 200 325 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5785.00 107.37 ------ ------ 97.55 34.00 13.74 37.92 0.00 200 325 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5785.00 101.96 ------ ------ 92.18 33.96 13.74 37.92 0.00 200 325 AVERAGE

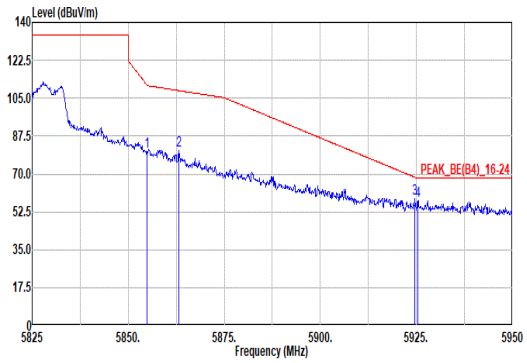
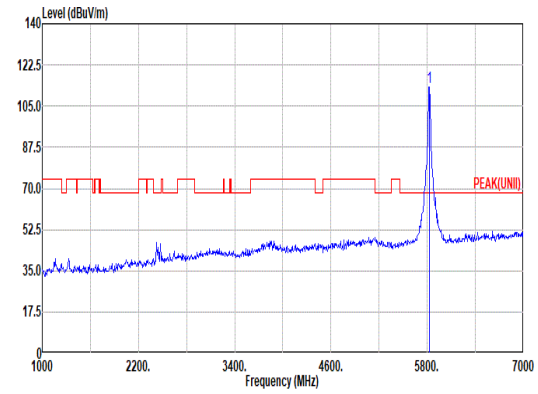
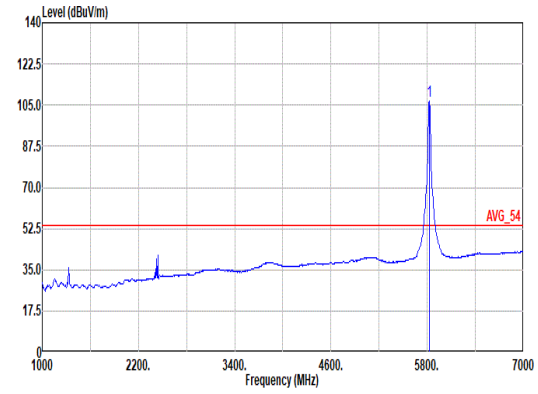
Mode	52	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.96 66.09 110.89 -44.80 55.86 34.30 13.85 37.92 0.00 200 325 PEAK 2 5872.29 61.59 105.96 -44.37 51.33 34.30 13.88 37.92 0.00 200 325 PEAK 3 5923.60 52.15 69.23 -17.08 41.82 34.30 13.96 37.93 0.00 200 325 PEAK 4 5925.09 51.86 68.20 -16.34 41.53 34.30 13.96 37.93 0.00 200 325 PEAK	Blank

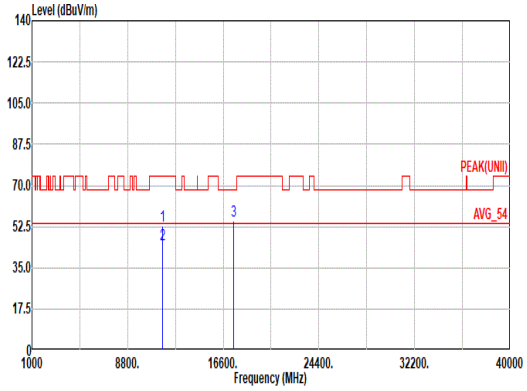
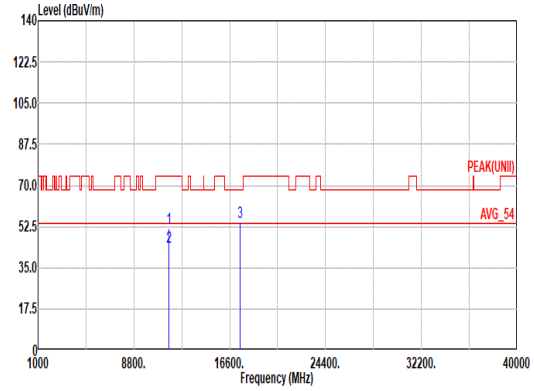
Mode	52	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5643.66 53.17 68.20 -15.03 44.37 33.17 13.55 37.92 0.00 111 300 PEAK 2 5650.32 51.86 68.44 -16.58 43.02 33.20 13.56 37.92 0.00 111 300 PEAK 3 5707.67 67.97 107.35 -39.38 58.63 33.62 13.64 37.92 0.00 111 300 PEAK 4 5720.07 69.75 110.95 -41.20 60.38 33.64 13.65 37.92 0.00 111 300 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5785.00 113.90 ------ ------ 104.08 34.00 13.74 37.92 0.00 111 300 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5785.00 107.58 ------ ------ 97.76 34.00 13.74 37.92 0.00 111 300 AVERAGE

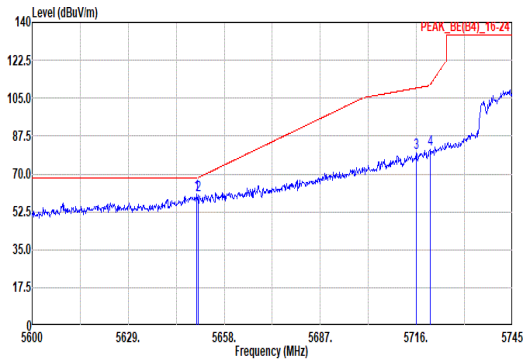
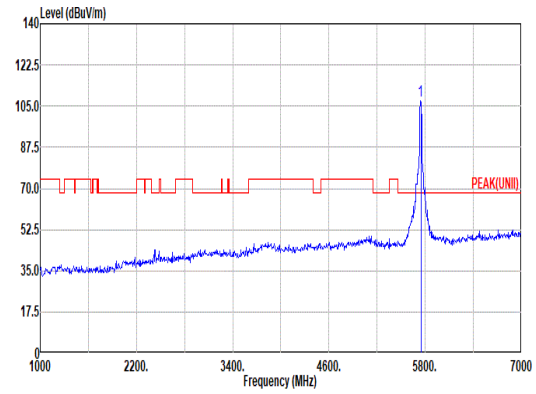
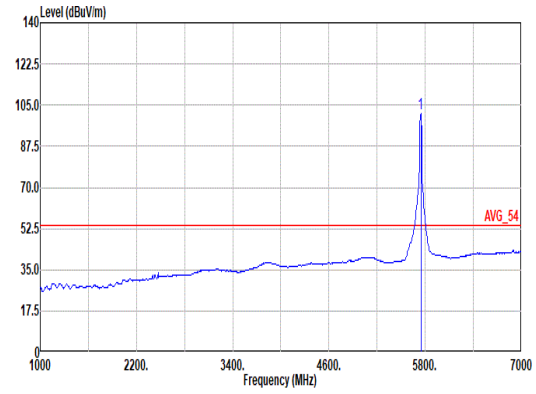
Mode	52	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.30 70.98 112.40 -41.42 60.75 34.30 13.85 37.92 0.00 111 300 PEAK 2 5872.29 67.83 105.96 -38.13 57.57 34.30 13.88 37.92 0.00 111 300 PEAK 3 5924.59 56.44 68.50 -12.06 46.11 34.30 13.96 37.93 0.00 111 300 PEAK 4 5925.25 56.52 68.20 -11.68 46.19 34.30 13.96 37.93 0.00 111 300 PEAK	Blank

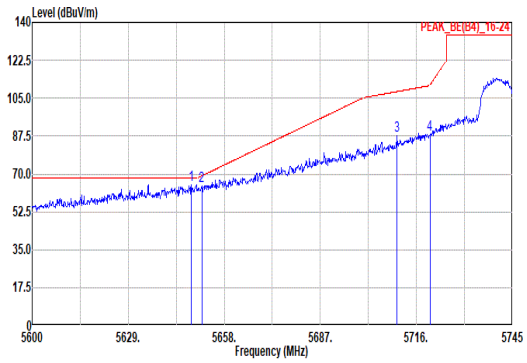
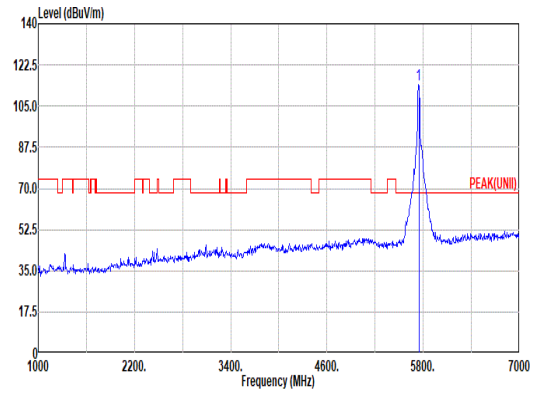
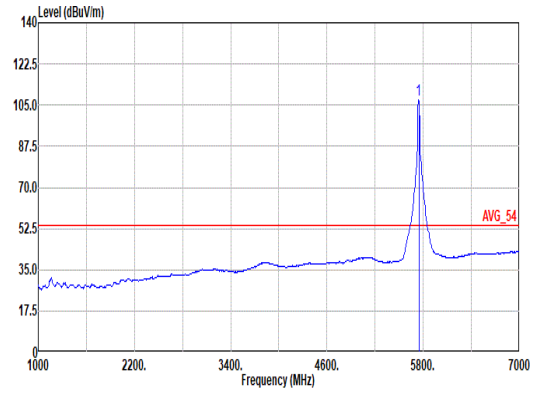
Mode	52	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11570.00 52.66 74.00 -21.34 35.92 38.82 19.53 42.53 0.92 332 320 PEAK 2 11570.00 45.04 54.00 -8.96 28.30 38.82 19.53 42.53 0.92 332 320 Average 3 17355.00 55.00 68.20 -13.20 34.81 39.82 24.14 44.71 0.94 -- -- PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 53.11 74.00 -20.89 36.37 38.82 19.53 42.53 0.92 225 35 PEAK 2 11570.00 45.00 54.00 -9.00 28.26 38.82 19.53 42.53 0.92 225 35 Average 3 17355.00 55.34 68.20 -12.86 35.15 39.82 24.14 44.71 0.94 -- -- PEAK

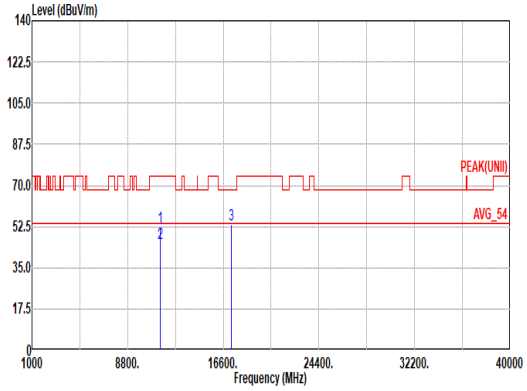
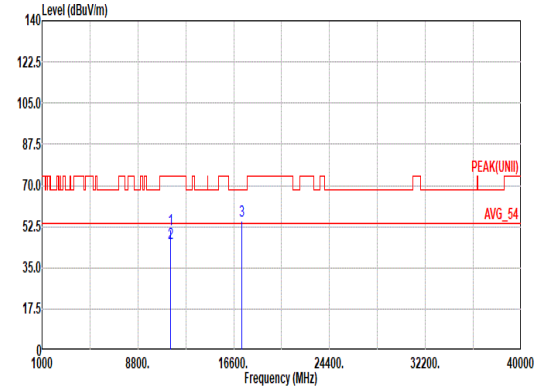
Mode	53	
	Band Edge	
	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5855.00 80.39 110.80 -30.41 70.16 34.30 13.85 37.92 0.00 100 198 PEAK 2 5855.00 80.39 110.80 -30.41 70.16 34.30 13.85 37.92 0.00 100 198 PEAK 3 5924.75 54.52 68.38 -13.86 44.19 34.30 13.96 37.93 0.00 100 198 PEAK 4 5925.88 54.50 68.20 -13.70 44.17 34.30 13.96 37.93 0.00 100 198 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 116.77 ------ ------ 106.66 34.22 13.81 37.92 0.00 100 198 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 110.17 ------ ------ 100.06 34.22 13.81 37.92 0.00 100 198 AVERAGE

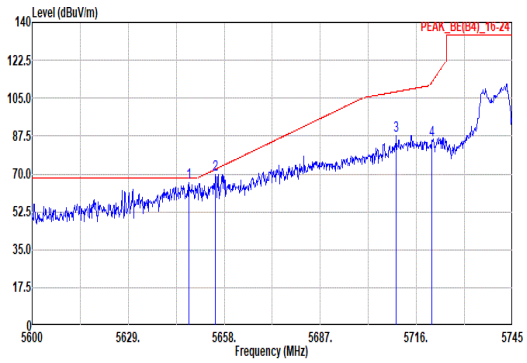
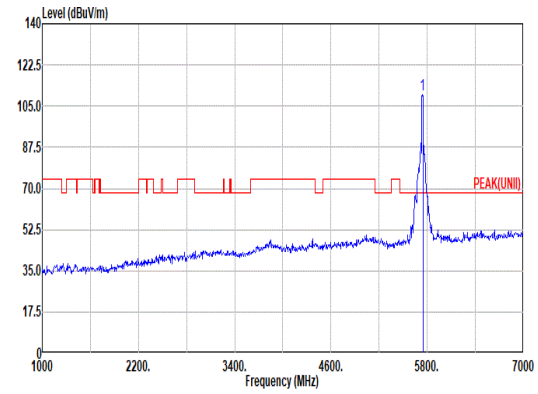
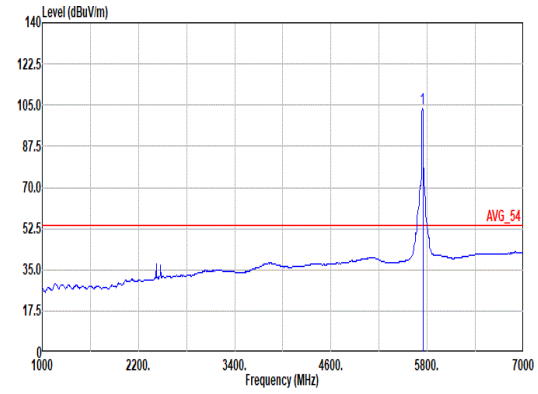
Mode	53	
	Band Edge	
	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.88 80.42 111.08 -30.66 70.19 34.30 13.85 37.92 0.00 100 256 PEAK 2 5863.13 80.90 108.52 -27.62 70.66 34.30 13.86 37.92 0.00 100 256 PEAK 3 5924.63 58.88 68.48 -9.60 48.55 34.30 13.96 37.93 0.00 100 256 PEAK 4 5925.38 57.72 68.20 -10.48 47.39 34.30 13.96 37.93 0.00 100 256 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5825.00 113.18 ------ ------ 103.14 34.17 13.79 37.92 0.00 100 256 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 106.53 ------ ------ 96.45 34.20 13.80 37.92 0.00 100 256 AVERAGE

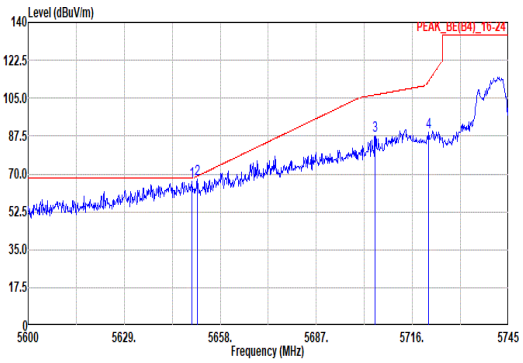
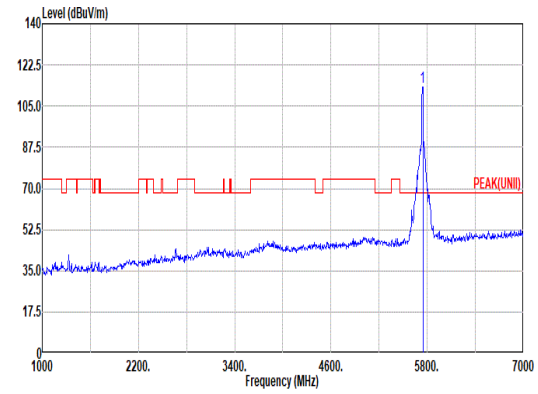
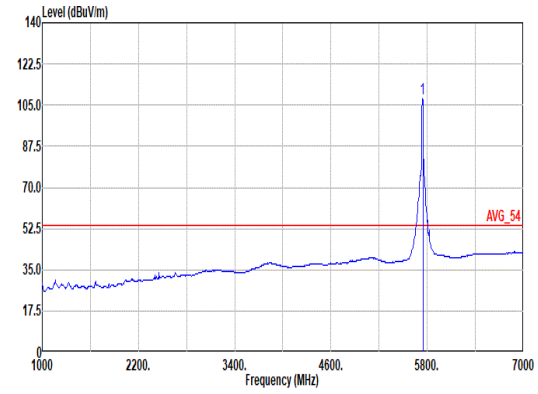
Mode	53	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11650.00 52.78 74.00 -21.22 36.15 38.70 19.60 42.60 0.93 200 313 PEAK 2 11650.00 44.75 54.00 -9.25 28.12 38.70 19.60 42.60 0.93 200 313 Average 3 17475.00 54.74 68.20 -13.46 34.29 40.10 24.22 44.81 0.94 -- -- PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 51.85 74.00 -22.15 35.22 38.70 19.60 42.60 0.93 177 56 PEAK 2 11650.00 44.02 54.00 -9.98 27.39 38.70 19.60 42.60 0.93 177 56 Average 3 17475.00 54.46 68.20 -13.74 34.01 40.10 24.22 44.81 0.94 -- -- PEAK

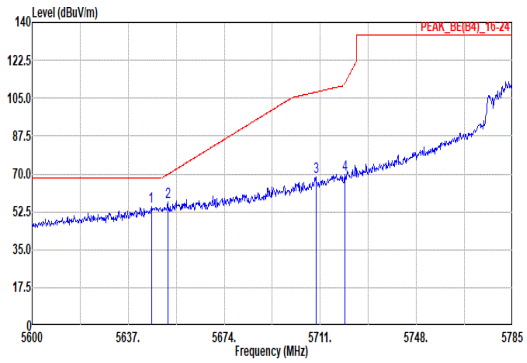
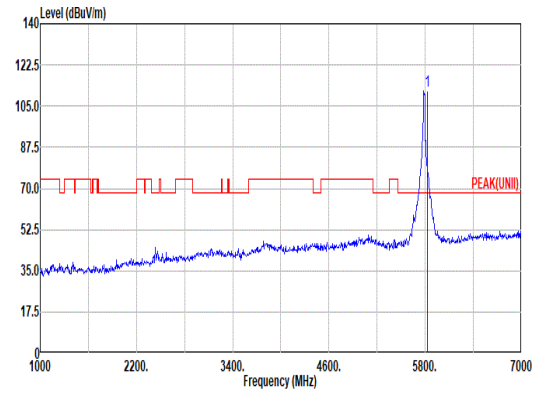
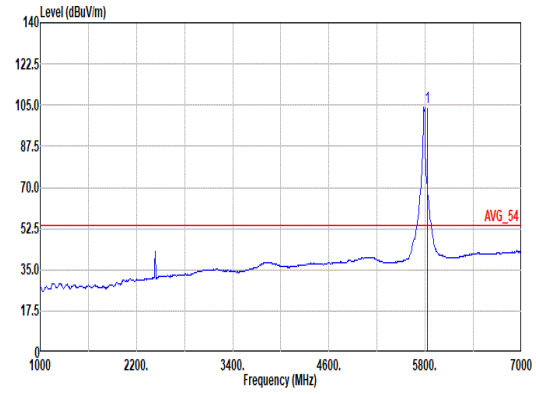
Mode	54	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH149_Full RU_5745MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable 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 60.77 68.20 -7.43 51.93 33.20 13.56 37.92 0.00 100 336 PEAK 2 5650.03 60.36 68.22 -7.86 51.52 33.20 13.56 37.92 0.00 100 336 PEAK 3 5715.86 79.92 109.64 -29.72 70.56 33.63 13.65 37.92 0.00 100 336 PEAK 4 5720.21 81.51 111.27 -29.76 72.14 33.64 13.65 37.92 0.00 100 336 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5745.00 107.04 ------ ------ 97.60 33.68 13.68 37.92 0.00 100 336 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 101.28 ------ ------ 91.82 33.69 13.69 37.92 0.00 100 336 AVERAGE

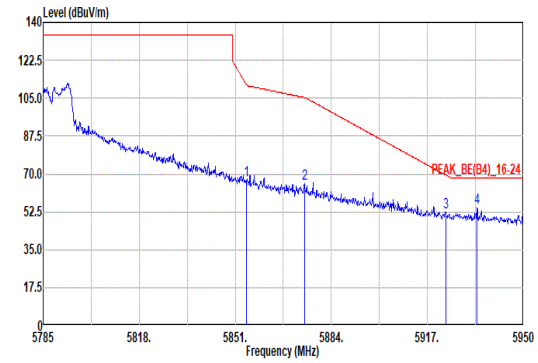
Mode	54	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH149_Full RU_5745MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5648.00 64.78 68.20 -3.42 55.96 33.19 13.55 37.92 0.00 100 258 PEAK 2 5651.19 64.25 69.08 -4.83 55.40 33.21 13.56 37.92 0.00 100 258 PEAK 3 5710.20 87.85 108.06 -20.21 78.51 33.62 13.64 37.92 0.00 100 258 PEAK 4 5720.06 88.40 110.94 -22.54 79.03 33.64 13.65 37.92 0.00 100 258 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5745.00 114.15 ------ ------ 104.71 33.68 13.68 37.92 0.00 100 258 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 107.08 ------ ------ 97.64 33.68 13.68 37.92 0.00 100 258 AVERAGE

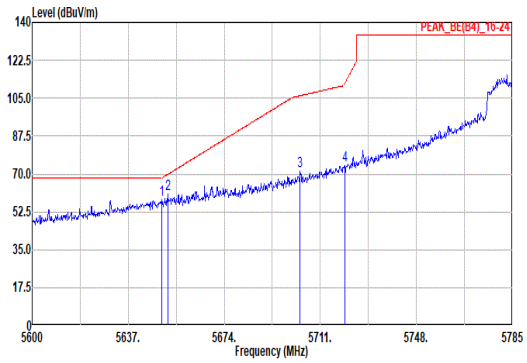
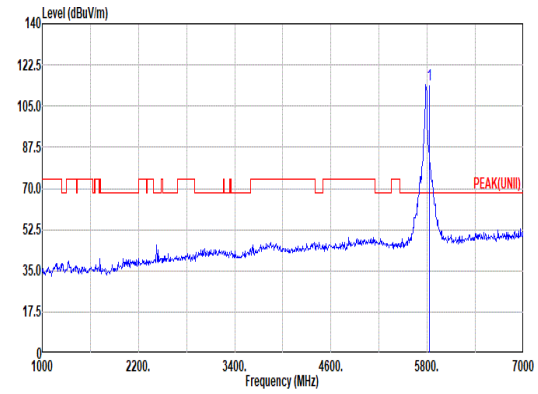
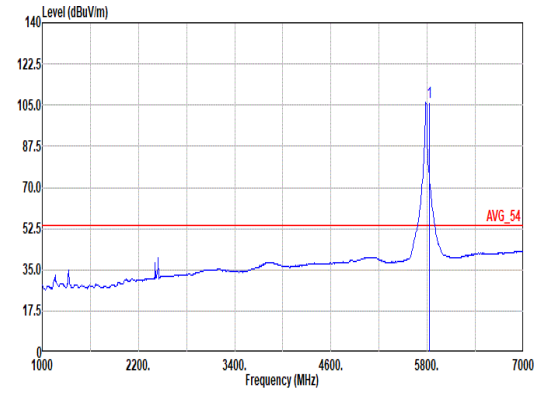
Mode	54	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE20_CH149_Full RU_5745MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11490.00 52.36 74.00 -21.64 35.25 39.20 19.46 42.47 0.92 322 335 PEAK 2 11490.00 45.41 54.00 -8.59 28.30 39.20 19.46 42.47 0.92 322 335 Average 3 17235.00 53.52 68.20 -14.68 33.56 39.57 24.06 44.61 0.94 -- -- PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 51.39 74.00 -22.61 34.28 39.20 19.46 42.47 0.92 274 285 PEAK 2 11490.00 45.40 54.00 -8.60 28.29 39.20 19.46 42.47 0.92 274 285 Average 3 17235.00 54.74 68.20 -13.46 34.78 39.57 24.06 44.61 0.94 -- -- PEAK

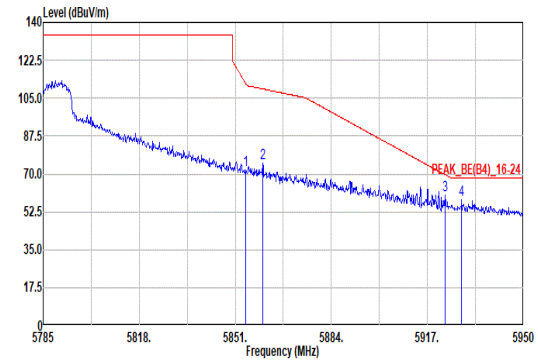
Mode	55	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH149_Partial_106/53RU _5745MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5647.42 66.10 68.20 -2.10 57.28 33.19 13.55 37.92 0.00 200 331 PEAK 2 5655.39 69.78 72.20 -2.42 60.90 33.24 13.56 37.92 0.00 200 331 PEAK 3 5709.91 87.60 107.98 -20.38 78.26 33.62 13.64 37.92 0.00 200 331 PEAK 4 5720.64 85.65 112.26 -26.61 76.28 33.64 13.65 37.92 0.00 200 331 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5745.00 109.92 ------ ------ 100.48 33.68 13.68 37.92 0.00 200 331 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.120kHz 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 5745.00 103.32 ------ ------ 93.88 33.68 13.68 37.92 0.00 200 331 AVERAGE

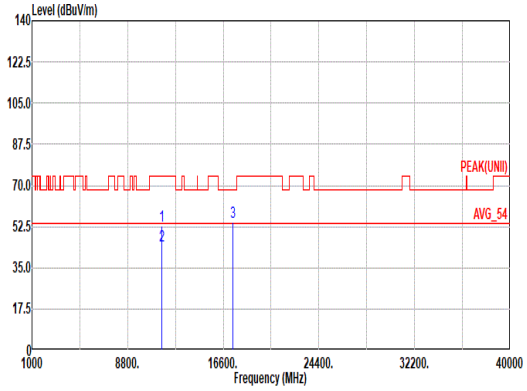
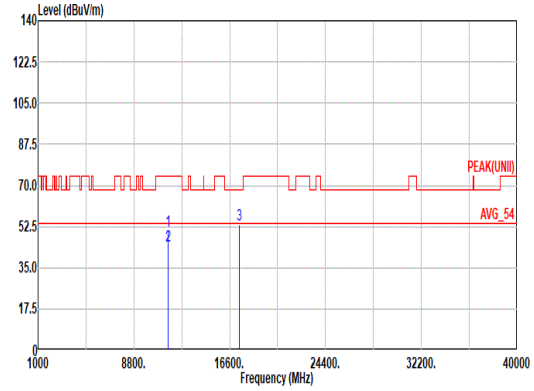
Mode	55	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH149_Partial_106/53RU _5745MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5649.45 66.76 68.20 -1.44 57.92 33.20 13.56 37.92 0.00 100 306 PEAK 2 5651.04 67.78 68.97 -1.19 58.93 33.21 13.56 37.92 0.00 100 306 PEAK 3 5704.69 87.80 106.51 -18.71 78.48 33.61 13.63 37.92 0.00 100 306 PEAK 4 5720.79 89.04 112.59 -23.55 79.67 33.64 13.65 37.92 0.00 100 306 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5745.00 113.29 ------ ------ 103.83 33.69 13.69 37.92 0.00 100 306 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.120kHz 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 5745.00 107.74 ------ ------ 98.30 33.68 13.68 37.92 0.00 100 306 AVERAGE

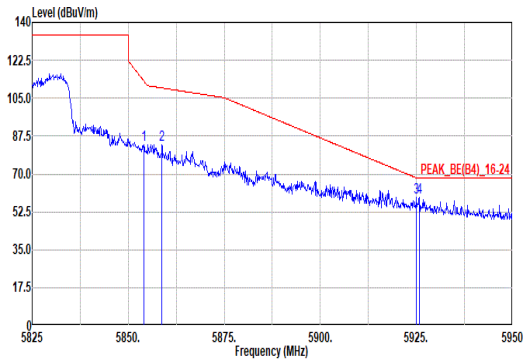
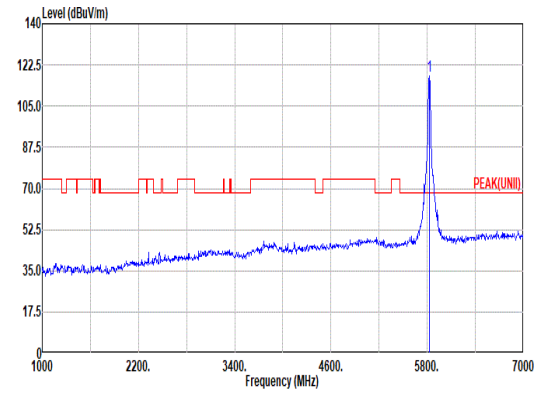
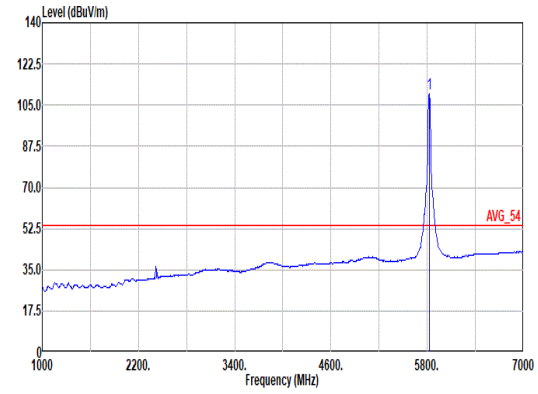
Mode	56	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full RU_5825MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5645.88 54.83 68.20 -13.37 46.02 33.18 13.55 37.92 0.00 100 331 PEAK 2 5652.17 56.90 69.81 -12.91 48.04 33.22 13.56 37.92 0.00 100 331 PEAK 3 5709.34 68.49 107.82 -39.33 59.15 33.62 13.64 37.92 0.00 100 331 PEAK 4 5720.44 69.76 111.79 -42.03 60.39 33.64 13.65 37.92 0.00 100 331 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5825.00 111.31 ------ ------ 101.53 33.96 13.74 37.92 0.00 100 331 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 104.28 ------ ------ 94.50 33.96 13.74 37.92 0.00 100 331 AVERAGE

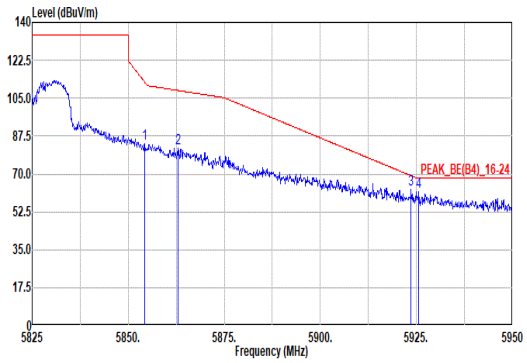
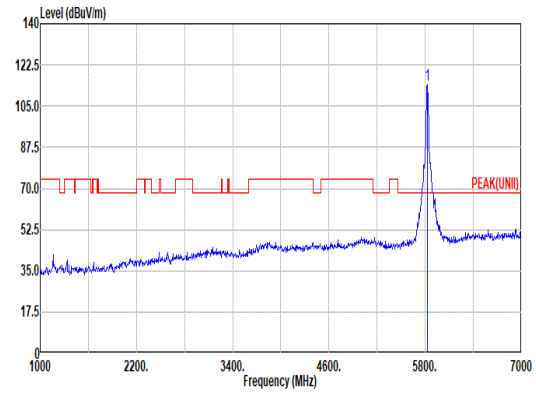
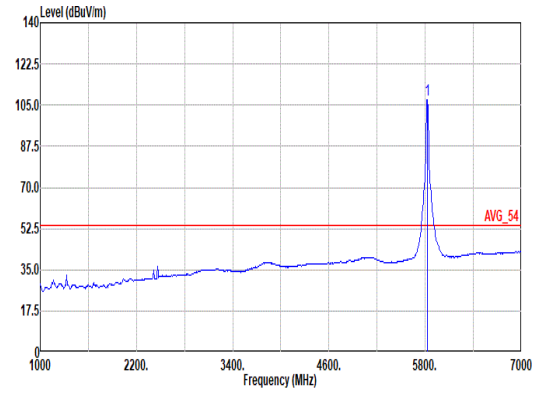
Mode	56	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full RU_5825MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.96 67.00 110.89 -43.89 56.77 34.30 13.85 37.92 0.00 100 331 PEAK 2 5874.76 65.36 105.27 -39.91 55.10 34.30 13.88 37.92 0.00 100 331 PEAK 3 5923.27 52.25 69.47 -17.22 41.92 34.30 13.96 37.93 0.00 100 331 PEAK 4 5934.00 54.47 68.20 -13.73 44.13 34.30 13.97 37.93 0.00 100 331 PEAK	Blank

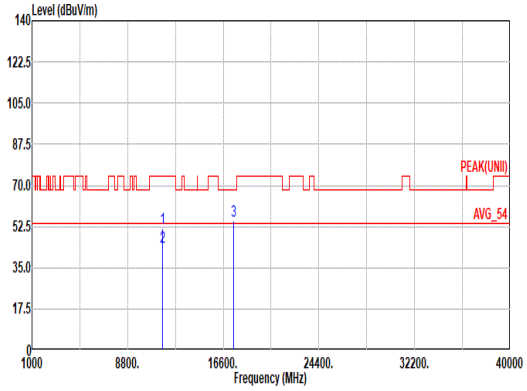
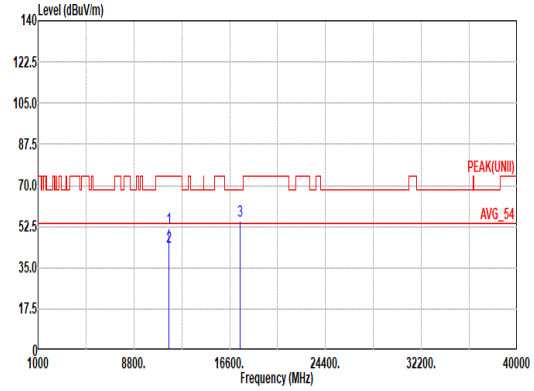
Mode	56	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full RU_5825MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5649.95 58.23 68.20 -9.97 49.39 33.20 13.56 37.92 0.00 100 257 PEAK 2 5652.17 60.74 69.81 -9.07 51.88 33.22 13.56 37.92 0.00 100 257 PEAK 3 5703.23 71.33 106.11 -34.78 62.01 33.61 13.63 37.92 0.00 100 257 PEAK 4 5720.44 73.98 111.79 -37.81 64.61 33.64 13.65 37.92 0.00 100 257 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5825.00 114.08 ------ ------ 104.30 33.96 13.74 37.92 0.00 100 257 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto 1 5825.00 106.27 ------ ------ 96.49 33.96 13.74 37.92 0.00 100 257 AVERAGE

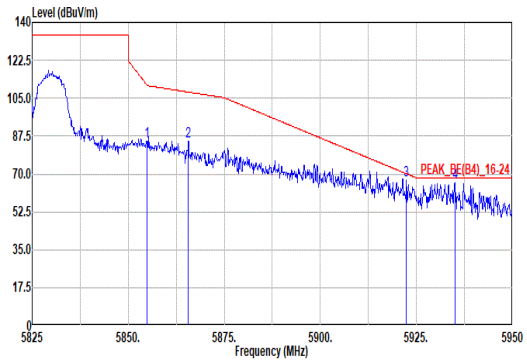
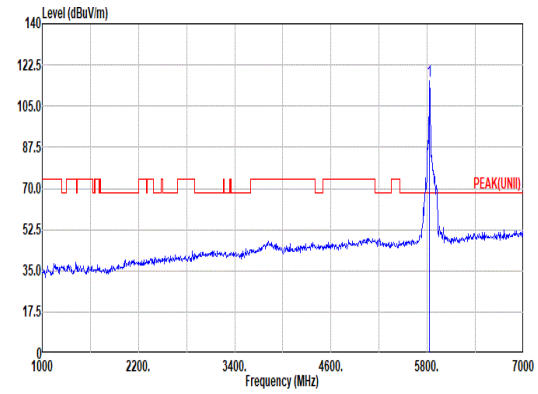
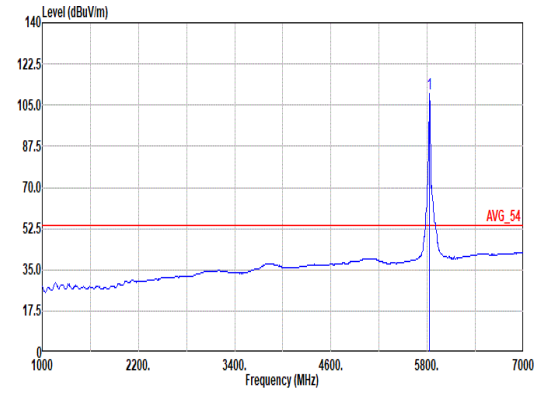
Mode	56	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full RU_5825MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.63 71.75 111.64 -39.89 61.52 34.30 13.85 37.92 0.00 100 257 PEAK 2 5860.41 74.95 109.28 -34.33 64.71 34.30 13.86 37.92 0.00 100 257 PEAK 3 5923.11 60.16 69.60 -9.44 49.83 34.30 13.96 37.93 0.00 100 257 PEAK 4 5928.72 58.17 68.20 -10.03 47.83 34.30 13.97 37.93 0.00 100 257 PEAK	Blank

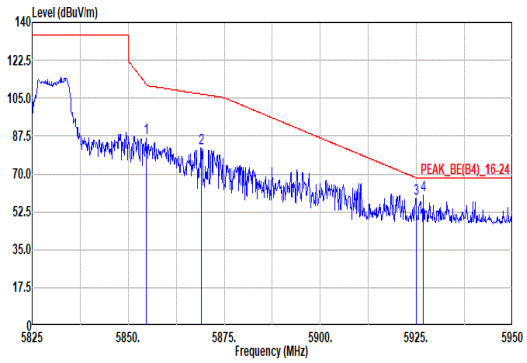
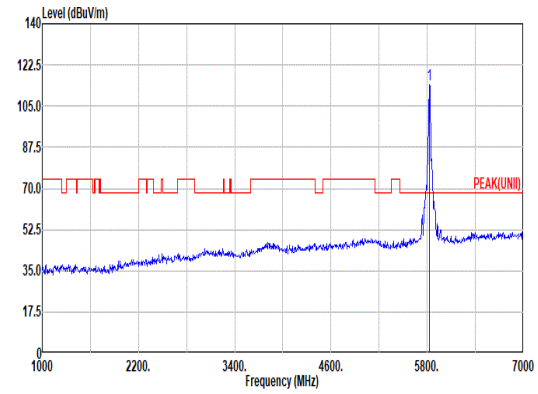
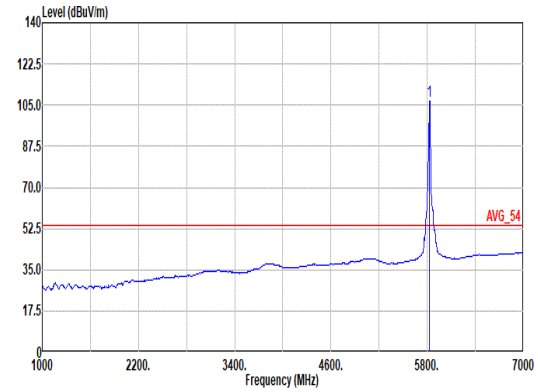
Mode	56	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full RU_5825MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11570.00 53.08 74.00 -20.92 36.34 38.82 19.53 42.53 0.92 100 281 Peak 2 11570.00 44.55 54.00 -9.45 27.81 38.82 19.53 42.53 0.92 100 281 Average 3 17355.00 54.34 68.20 -13.86 34.15 39.82 24.14 44.71 0.94 -- -- Peak	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 50.81 74.00 -23.19 34.07 38.82 19.53 42.53 0.92 300 248 Peak 2 11570.00 44.27 54.00 -9.73 27.53 38.82 19.53 42.53 0.92 300 248 Average 3 17355.00 53.31 68.20 -14.89 33.12 39.82 24.14 44.71 0.94 -- -- Peak

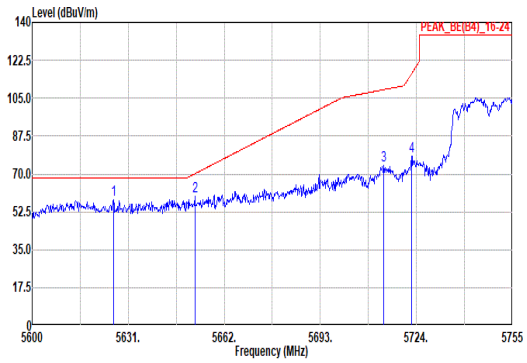
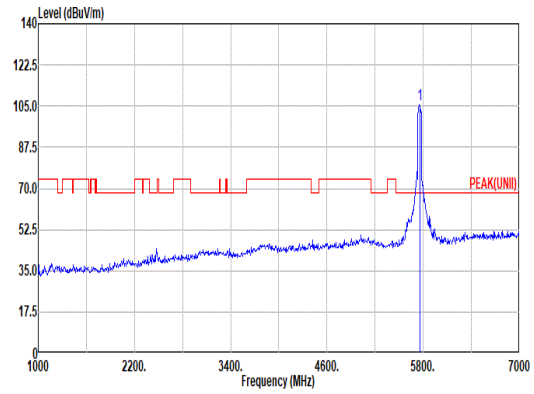
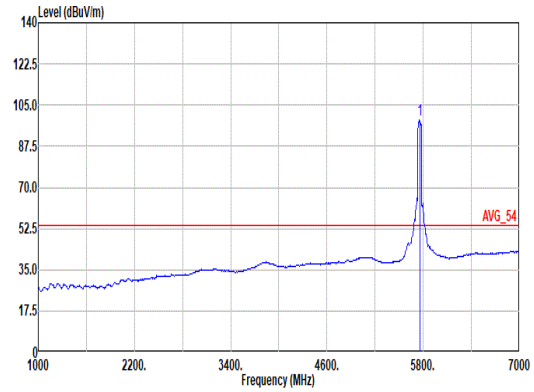
Mode	57	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH165_Full RU_5825MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.00 83.29 113.08 -29.79 73.06 34.30 13.85 37.92 0.00 100 195 PEAK 2 5858.75 83.45 109.75 -26.30 73.22 34.30 13.85 37.92 0.00 100 195 PEAK 3 5925.00 59.00 68.20 -9.20 48.67 34.30 13.96 37.93 0.00 100 195 PEAK 4 5925.75 59.17 68.20 -9.03 48.84 34.30 13.96 37.93 0.00 100 195 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5825.00 117.73 ------ ------ 107.65 34.20 13.80 37.92 0.00 100 195 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 109.79 ------ ------ 99.71 34.20 13.80 37.92 0.00 100 195 AVERAGE

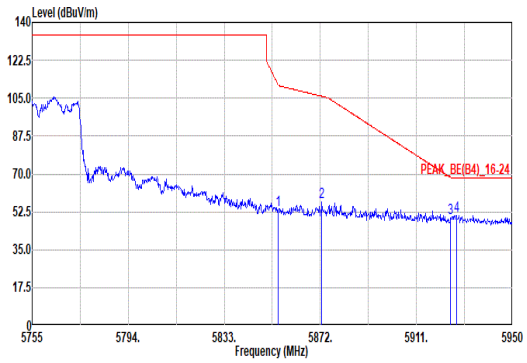
Mode	57	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH165_Full RU_5825MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.25 84.04 112.51 -28.47 73.81 34.30 13.85 37.92 0.00 100 299 PEAK 2 5863.00 81.76 108.56 -26.80 71.52 34.30 13.86 37.92 0.00 100 299 PEAK 3 5923.63 62.79 69.21 -6.42 52.46 34.30 13.96 37.93 0.00 100 299 PEAK 4 5925.63 62.04 68.20 -6.16 51.71 34.30 13.96 37.93 0.00 100 299 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5825.00 114.27 ------ ------ 104.19 34.20 13.80 37.92 0.00 100 299 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 107.13 ------ ------ 97.05 34.20 13.80 37.92 0.00 100 299 AVERAGE

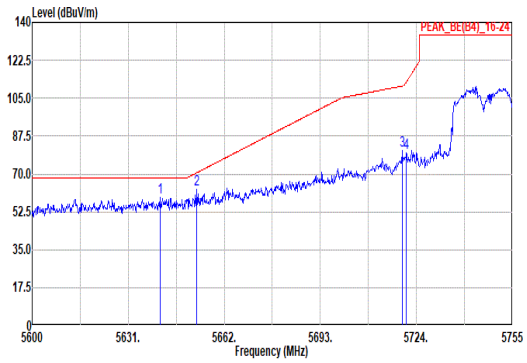
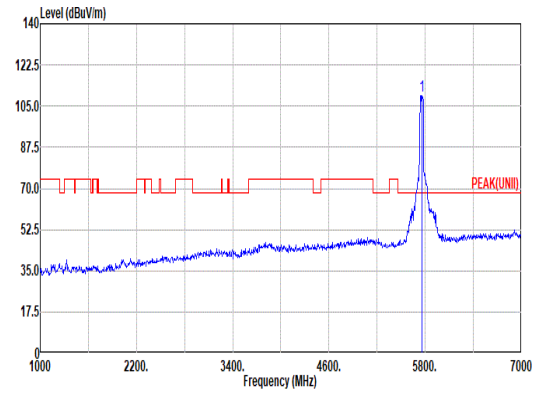
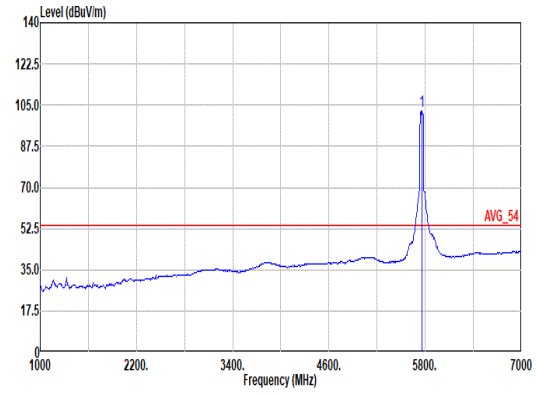
Mode	57	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE20_CH165_Full RU_5825MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11650.00 51.85 74.00 -22.15 35.22 38.70 19.60 42.60 0.93 100 277 PEAK 2 11650.00 43.83 54.00 -10.17 27.20 38.70 19.60 42.60 0.93 100 277 Average 3 17475.00 54.73 68.20 -13.47 34.28 40.10 24.22 44.81 0.94 -- -- PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 51.54 74.00 -22.46 34.91 38.70 19.60 42.60 0.93 211 32 PEAK 2 11650.00 43.80 54.00 -10.20 27.17 38.70 19.60 42.60 0.93 211 32 Average 3 17475.00 55.01 68.20 -13.19 34.56 40.10 24.22 44.81 0.94 -- -- PEAK

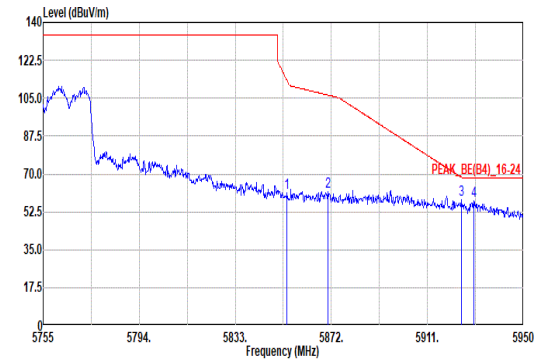
Mode	58	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH165_Partial_106/54RU _5825MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.88 85.24 111.08 -25.84 75.01 34.30 13.85 37.92 0.00 206 303 PEAK 2 5865.63 85.03 107.82 -22.79 74.79 34.30 13.86 37.92 0.00 206 303 PEAK 3 5922.38 67.03 70.13 -3.10 56.70 34.30 13.96 37.93 0.00 206 303 PEAK 4 5935.00 66.05 68.20 -2.15 55.70 34.30 13.98 37.93 0.00 206 303 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5825.00 115.80 ------ ------ 105.69 34.22 13.81 37.92 0.00 206 303 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.120kHz 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 5825.00 109.72 ------ ------ 99.61 34.22 13.81 37.92 0.00 206 303 AVERAGE

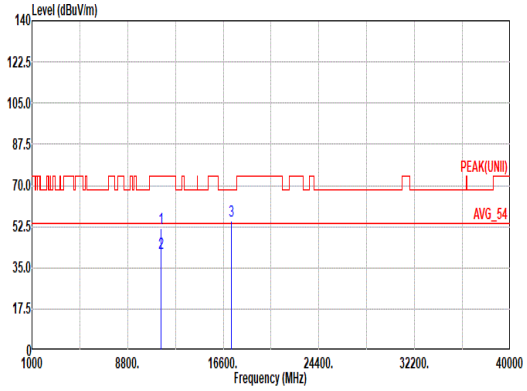
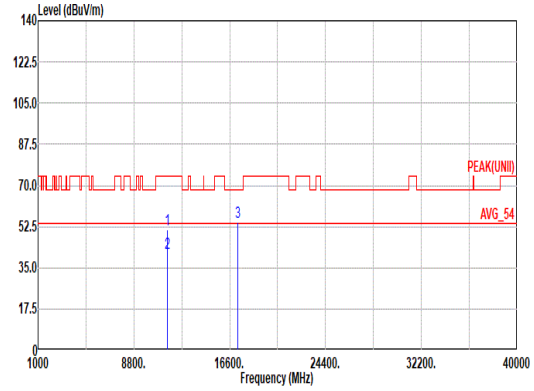
Mode	58	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH165_Partial_106/54RU _5825MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.63 86.42 111.65 -25.23 76.19 34.30 13.85 37.92 0.00 160 360 PEAK 2 5869.00 81.87 106.88 -25.01 71.62 34.30 13.87 37.92 0.00 160 360 PEAK 3 5924.88 58.53 68.29 -9.76 48.20 34.30 13.96 37.93 0.00 160 360 PEAK 4 5926.75 60.23 68.20 -7.97 49.90 34.30 13.96 37.93 0.00 160 360 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5825.00 113.90 ------ ------ 103.79 34.22 13.81 37.92 0.00 160 360 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.120kHz 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 5825.00 106.93 ------ ------ 96.79 34.24 13.82 37.92 0.00 160 360 AVERAGE

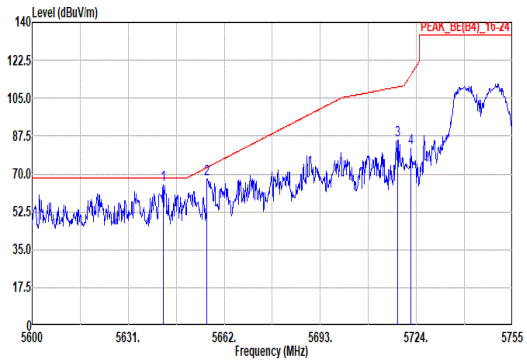
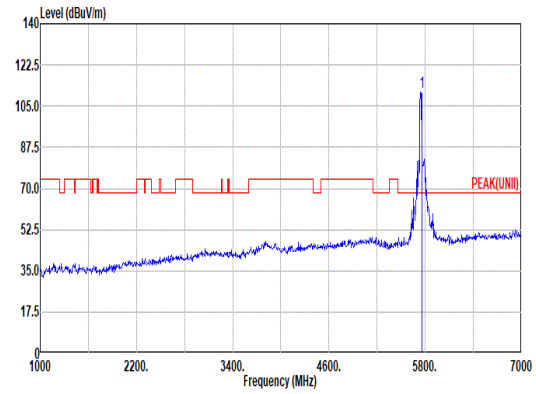
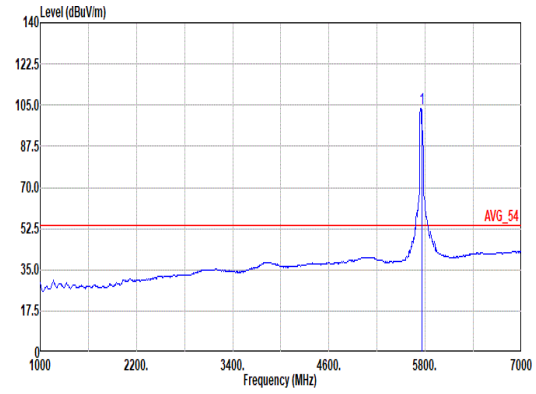
Mode	59	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE40_CH151_Full RU_5755MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5626.20 58.30 68.20 -9.90 49.59 33.10 13.53 37.92 0.00 100 335 PEAK 2 5652.55 59.75 70.09 -10.34 50.89 33.22 13.56 37.92 0.00 100 335 PEAK 3 5713.46 74.04 108.97 -34.93 64.69 33.63 13.64 37.92 0.00 100 335 PEAK 4 5722.45 78.12 116.39 -38.27 68.74 33.64 13.66 37.92 0.00 100 335 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5755.00 105.92 ------ ------ 96.42 33.72 13.70 37.92 0.00 100 335 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5755.00 98.62 ------ ------ 89.12 33.72 13.70 37.92 0.00 100 335 AVERAGE

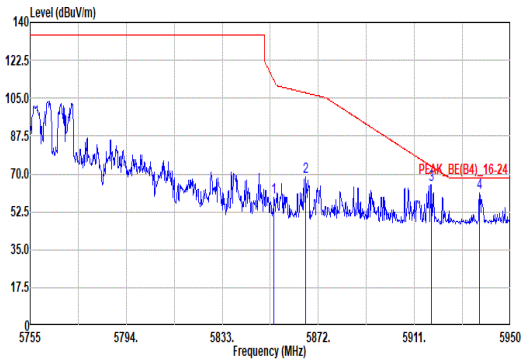
Mode	59	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE40_CH151_Full RU_5755MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.84 53.41 111.17 -57.76 43.18 34.30 13.85 37.92 0.00 100 335 PEAK 2 5872.59 56.91 105.88 -48.97 46.65 34.30 13.88 37.92 0.00 100 335 PEAK 3 5924.85 49.60 68.31 -18.71 39.27 34.30 13.96 37.93 0.00 100 335 PEAK 4 5927.19 50.67 68.20 -17.53 40.34 34.30 13.96 37.93 0.00 100 335 PEAK	Blank

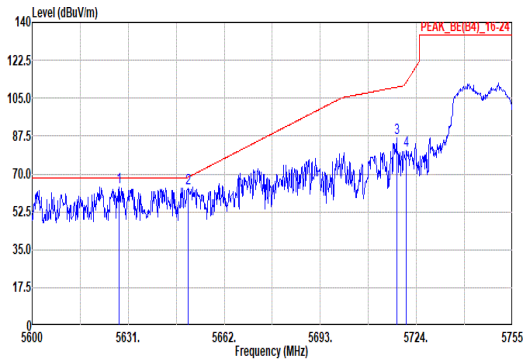
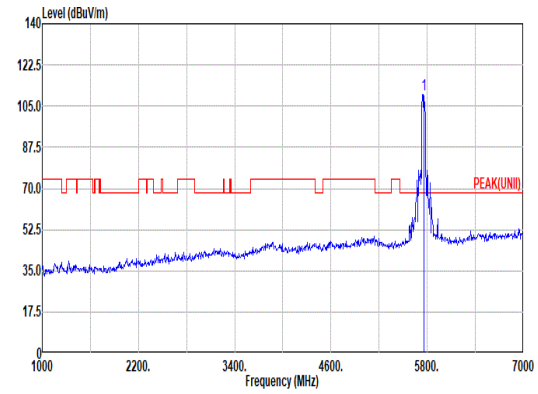
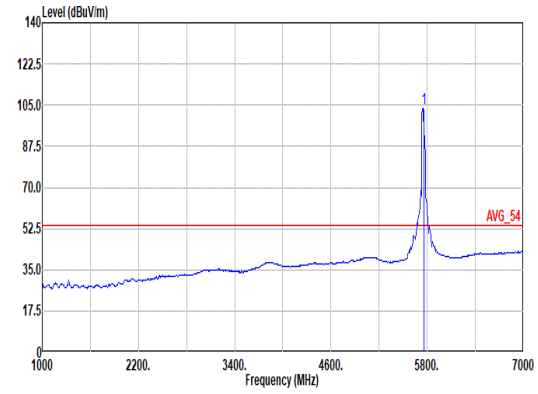
Mode	59	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE40_CH151_Full RU_5755MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5641.23 59.16 68.20 -9.04 50.37 33.16 13.55 37.92 0.00 100 301 PEAK 2 5653.17 62.86 70.55 -7.69 53.99 33.23 13.56 37.92 0.00 100 301 PEAK 3 5719.35 80.78 110.62 -29.84 71.41 33.64 13.65 37.92 0.00 100 301 PEAK 4 5720.75 79.76 112.50 -32.74 70.39 33.64 13.65 37.92 0.00 100 301 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5755.00 109.46 ------ ------ 99.96 33.72 13.70 37.92 0.00 100 301 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5755.00 102.68 ------ ------ 93.08 33.81 13.71 37.92 0.00 100 301 AVERAGE

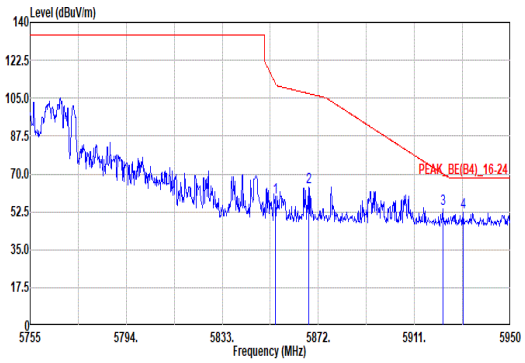
Mode	59	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE40_CH151_Full RU_5755MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.06 61.41 112.94 -51.53 51.18 34.30 13.85 37.92 0.00 100 301 PEAK 2 5870.64 61.61 106.42 -44.81 51.36 34.30 13.87 37.92 0.00 100 301 PEAK 3 5924.85 58.22 68.31 -10.09 47.89 34.30 13.96 37.93 0.00 100 301 PEAK 4 5929.72 57.40 68.20 -10.80 47.06 34.30 13.97 37.93 0.00 100 301 PEAK	Blank

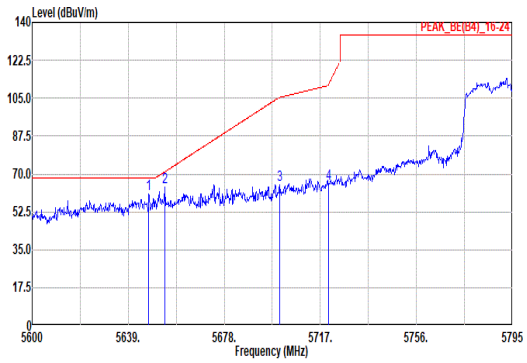
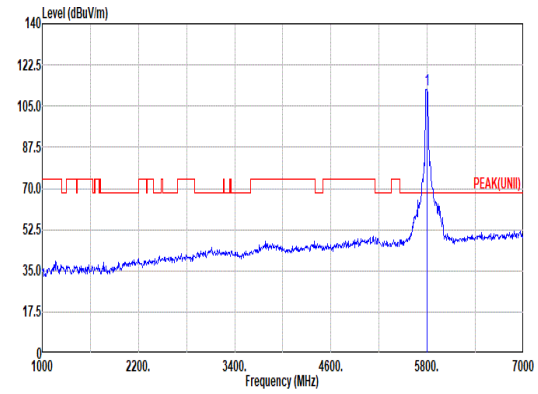
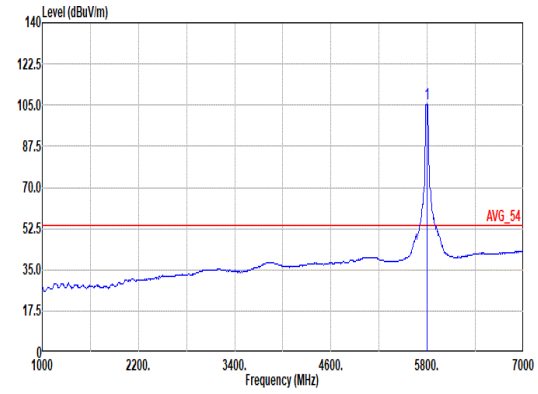
Mode	59	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE40_CH151_Full RU_5755MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11510.00 51.62 74.00 -22.38 34.57 39.14 19.48 42.49 0.92 300 290 PEAK 2 11510.00 41.35 54.00 -12.65 24.30 39.14 19.48 42.49 0.92 300 290 Average 3 17265.00 54.78 68.20 -13.42 34.79 39.60 24.08 44.63 0.94 -- -- PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 51.51 74.00 -22.49 34.46 39.14 19.48 42.49 0.92 300 263 PEAK 2 11510.00 41.28 54.00 -12.72 24.23 39.14 19.48 42.49 0.92 300 263 Average 3 17265.00 54.47 68.20 -13.73 34.48 39.60 24.08 44.63 0.94 -- -- PEAK

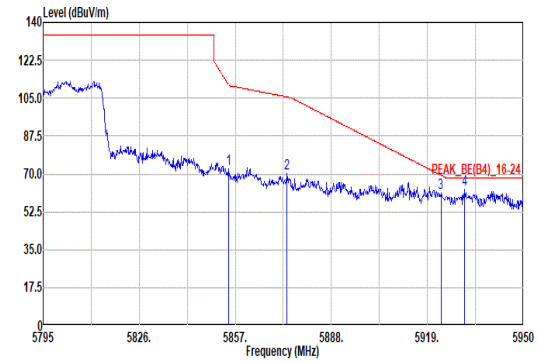
Mode	60	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE40_CH151_Partial_242/61RU _5755MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant 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 5642.32 64.72 68.20 -3.48 55.92 33.17 13.55 37.92 0.00 209 306 PEAK 2 5656.42 67.68 72.97 -5.29 58.78 33.25 13.57 37.92 0.00 209 306 PEAK 3 5717.96 85.33 110.23 -24.90 75.96 33.64 13.65 37.92 0.00 209 306 PEAK 4 5722.30 81.89 116.03 -34.14 72.51 33.64 13.66 37.92 0.00 209 306 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5755.00 110.76 ------ ------ 101.32 33.68 13.68 37.92 0.00 209 306 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5755.00 103.64 ------ ------ 94.20 33.68 13.68 37.92 0.00 209 306 AVERAGE

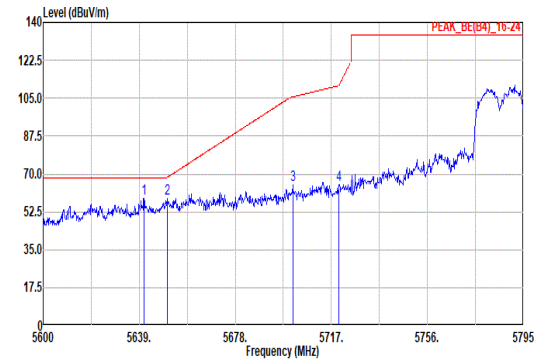
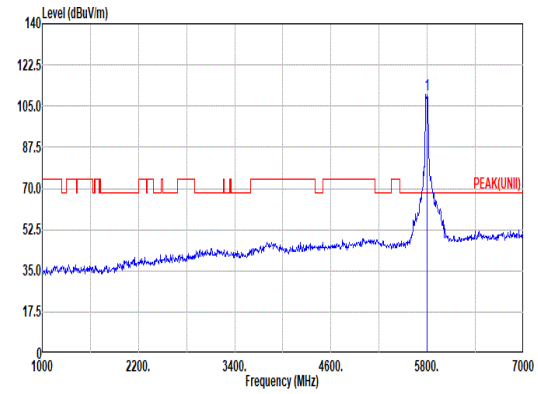
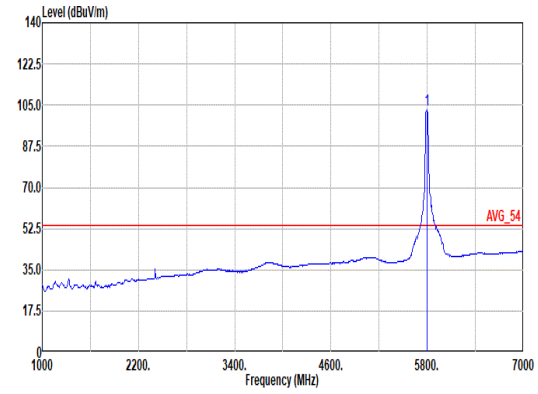
Mode	60	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE40_CH151_Partial_242/61RU _5755MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant 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 5854.06 58.95 112.94 -53.99 48.72 34.30 13.85 37.92 0.00 209 306 PEAK 2 5866.93 68.61 107.46 -38.85 58.36 34.30 13.87 37.92 0.00 209 306 PEAK 3 5917.83 64.92 73.49 -8.57 54.60 34.30 13.95 37.93 0.00 209 306 PEAK 4 5937.52 61.26 68.20 -6.94 50.91 34.30 13.98 37.93 0.00 209 306 PEAK	Blank

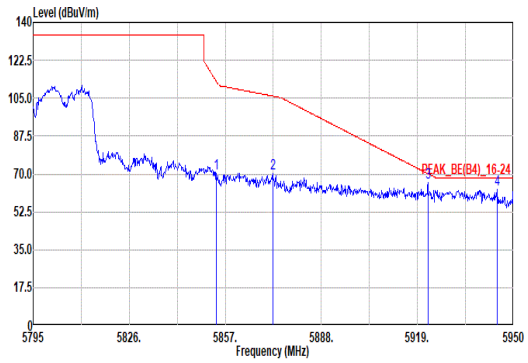
Mode	60	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE40_CH151_Partial_242/61RU _5755MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5628.06 63.91 68.20 -4.29 55.19 33.11 13.53 37.92 0.00 178 22 PEAK 2 5650.22 63.38 68.36 -4.98 54.54 33.20 13.56 37.92 0.00 178 22 PEAK 3 5717.65 86.50 110.14 -23.64 77.13 33.64 13.65 37.92 0.00 178 22 PEAK 4 5720.75 80.63 112.50 -31.87 71.26 33.64 13.65 37.92 0.00 178 22 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5755.00 109.88 ------ ------ 100.44 33.68 13.68 37.92 0.00 178 22 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5755.00 103.69 ------ ------ 94.25 33.68 13.68 37.92 0.00 178 22 AVERAGE

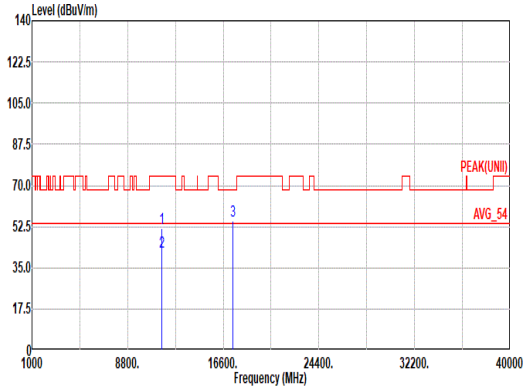
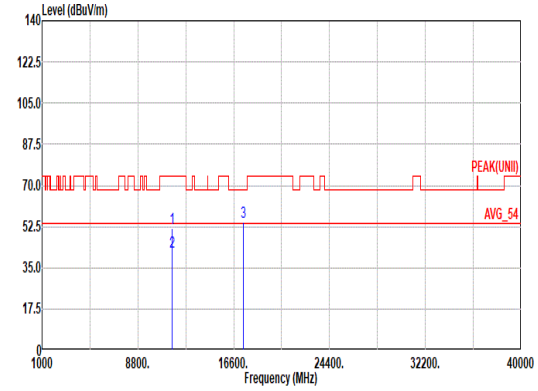
Mode	60	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE40_CH151_Partial_242/61RU _5755MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.65 59.26 111.61 -52.35 49.03 34.30 13.85 37.92 0.00 178 22 PEAK 2 5868.10 64.12 107.13 -43.01 53.87 34.30 13.87 37.92 0.00 178 22 PEAK 3 5922.51 53.90 70.04 -16.14 43.57 34.30 13.96 37.93 0.00 178 22 PEAK 4 5930.70 52.23 68.20 -15.97 41.89 34.30 13.97 37.93 0.00 178 22 PEAK	Blank

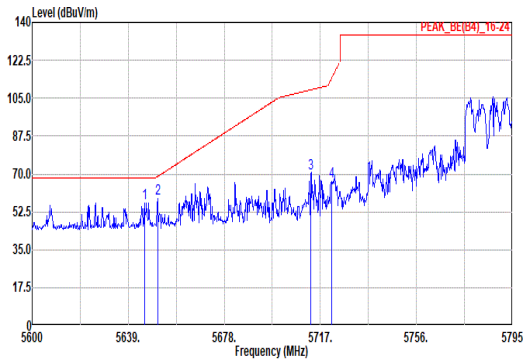
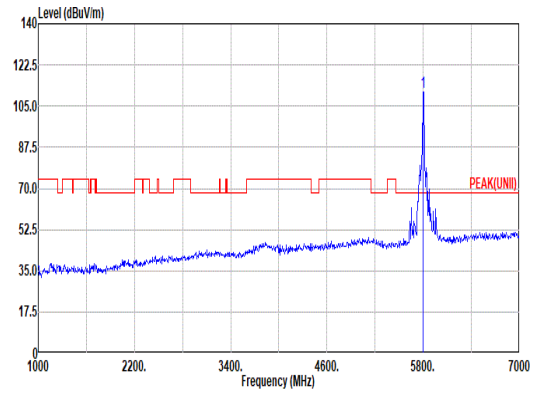
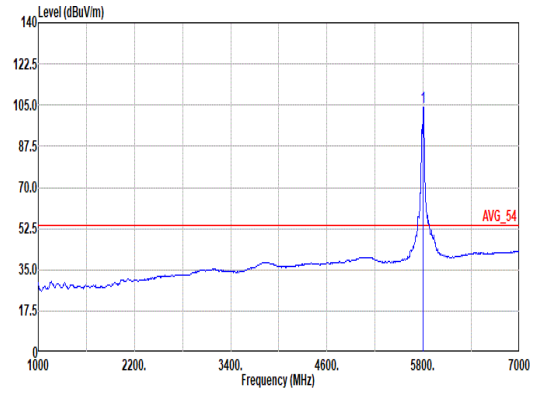
Mode	61	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE40_CH159_Full RU_5795MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5647.39 60.73 68.20 -7.47 51.91 33.19 13.55 37.92 0.00 100 198 PEAK 2 5653.82 64.16 71.04 -6.88 55.29 33.23 13.56 37.92 0.00 100 198 PEAK 3 5700.62 65.04 105.37 -40.33 55.73 33.60 13.63 37.92 0.00 100 198 PEAK 4 5720.32 65.63 111.52 -45.89 56.26 33.64 13.65 37.92 0.00 100 198 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5795.00 112.19 ------ ------ 102.37 34.00 13.74 37.92 0.00 100 198 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5795.00 105.70 ------ ------ 95.82 34.05 13.75 37.92 0.00 100 198 AVERAGE

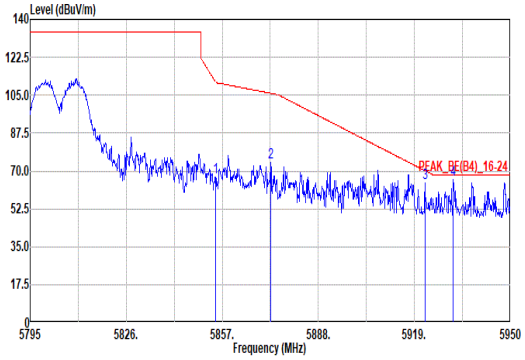
Mode	61	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE40_CH159_Full RU_5795MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.83 72.51 111.19 -38.68 62.28 34.30 13.85 37.92 0.00 100 198 PEAK 2 5873.74 70.03 105.55 -35.52 59.77 34.30 13.88 37.92 0.00 100 198 PEAK 3 5923.34 61.50 69.42 -7.92 51.17 34.30 13.96 37.93 0.00 100 198 PEAK 4 5930.94 63.05 68.20 -5.15 52.71 34.30 13.97 37.93 0.00 100 198 PEAK	Blank

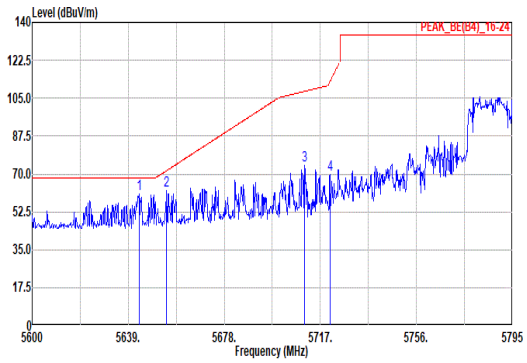
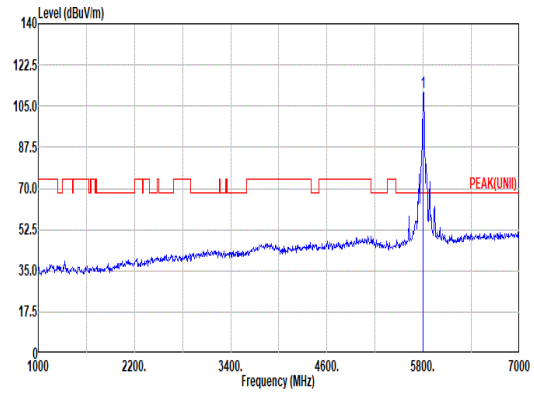
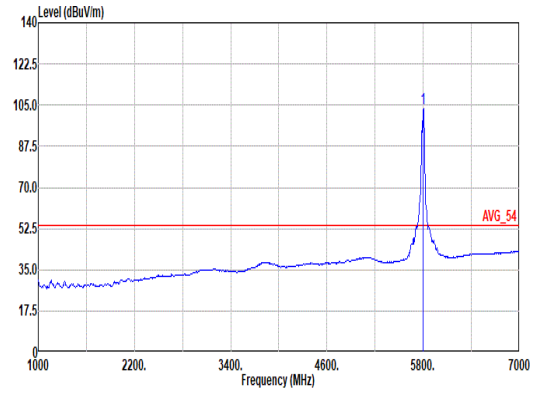
Mode	61	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE40_CH159_Full RU_5795MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5640.95 58.60 68.20 -9.60 49.81 33.16 13.55 37.92 0.00 107 300 PEAK 2 5650.31 58.59 68.43 -9.84 49.75 33.20 13.56 37.92 0.00 107 300 PEAK 3 5701.40 64.98 105.59 -40.61 55.67 33.60 13.63 37.92 0.00 107 300 PEAK 4 5720.12 64.77 111.07 -46.30 55.40 33.64 13.65 37.92 0.00 107 300 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5795.00 109.96 ------ ------ 100.02 34.10 13.76 37.92 0.00 107 300 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto 1 5795.00 102.91 ------ ------ 92.97 34.10 13.76 37.92 0.00 107 300 AVERAGE

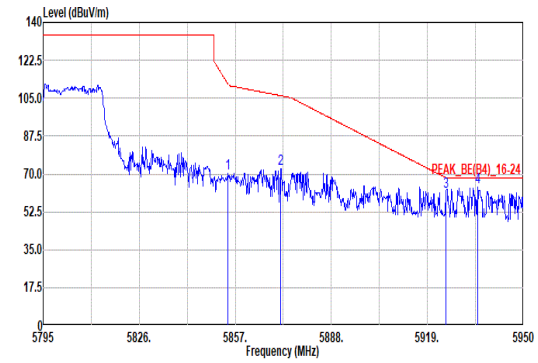
Mode	61	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE40_CH159_Full RU_5795MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.06 70.51 112.95 -42.44 60.28 34.30 13.85 37.92 0.00 107 300 PEAK 2 5872.35 70.17 105.94 -35.77 59.91 34.30 13.88 37.92 0.00 107 300 PEAK 3 5922.41 66.07 70.11 -4.04 55.74 34.30 13.96 37.93 0.00 107 300 PEAK 4 5944.73 62.94 68.20 -5.26 52.58 34.30 13.99 37.93 0.00 107 300 PEAK	Blank

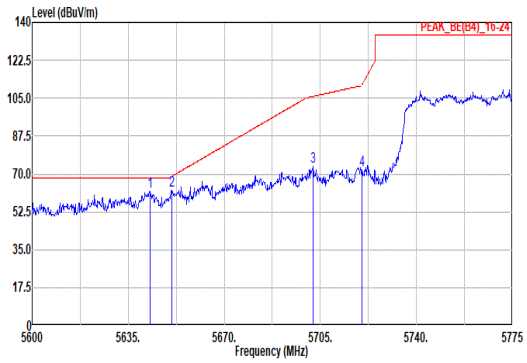
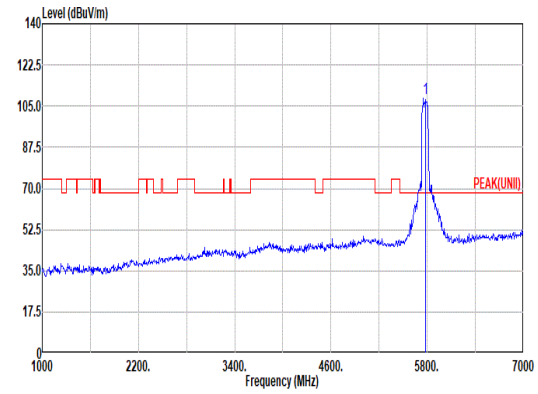
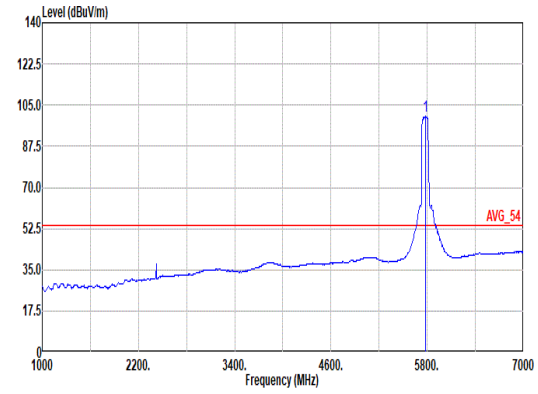
Mode	61	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE40_CH159_Full RU_5795MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11590.00 51.82 74.00 -22.18 35.15 38.74 19.55 42.55 0.93 155 42 PEAK 2 11590.00 41.77 54.00 -12.23 25.10 38.74 19.55 42.55 0.93 155 42 Average 3 17385.00 54.78 68.20 -13.42 34.47 39.94 24.16 44.73 0.94 -- -- PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 51.58 74.00 -22.42 34.91 38.74 19.55 42.55 0.93 211 24 PEAK 2 11590.00 41.78 54.00 -12.22 25.11 38.74 19.55 42.55 0.93 211 24 Average 3 17385.00 54.61 68.20 -13.59 34.30 39.94 24.16 44.73 0.94 -- -- PEAK

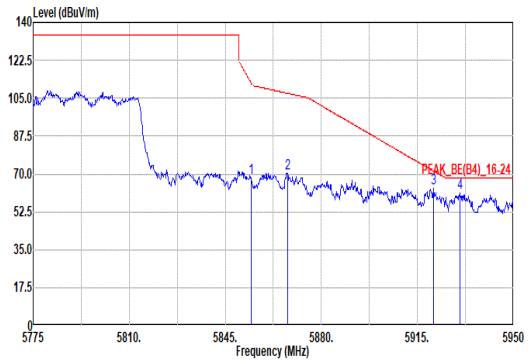
Mode	62	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE40_CH159_Partial_242/62RU _5795MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5645.63 56.64 68.20 -11.56 47.83 33.18 13.55 37.92 0.00 203 305 PEAK 2 5650.90 58.72 68.87 -10.15 49.87 33.21 13.56 37.92 0.00 203 305 PEAK 3 5713.10 70.50 108.87 -38.37 61.15 33.63 13.64 37.92 0.00 203 305 PEAK 4 5721.49 66.51 114.19 -47.68 57.14 33.64 13.65 37.92 0.00 203 305 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5795.00 111.14 ------ ------ 101.20 34.10 13.76 37.92 0.00 203 305 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5795.00 104.18 ------ ------ 94.24 34.10 13.76 37.92 0.00 203 305 AVERAGE

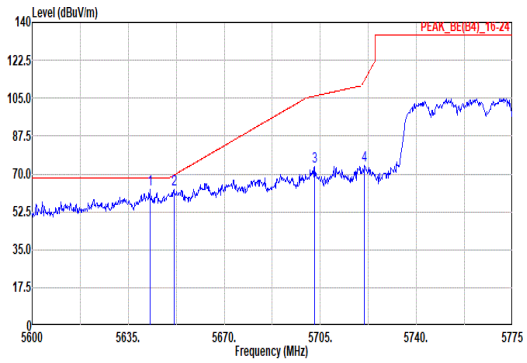
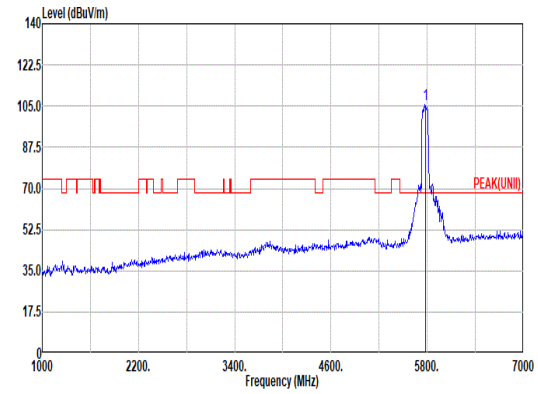
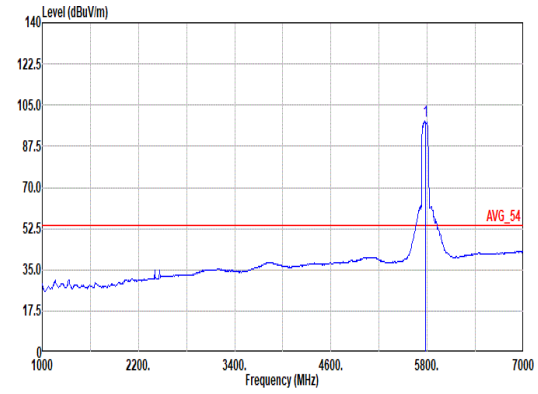
Mode	62	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE40_CH159_Partial_242/62RU _5795MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant 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 5854.83 67.23 111.19 -43.96 57.00 34.30 13.85 37.92 0.00 203 305 PEAK 2 5872.66 74.17 105.86 -31.69 63.91 34.30 13.88 37.92 0.00 203 305 PEAK 3 5922.41 64.47 70.11 -5.64 54.14 34.30 13.96 37.93 0.00 203 305 PEAK 4 5931.56 66.27 68.20 -1.93 55.93 34.30 13.97 37.93 0.00 203 305 PEAK	Blank

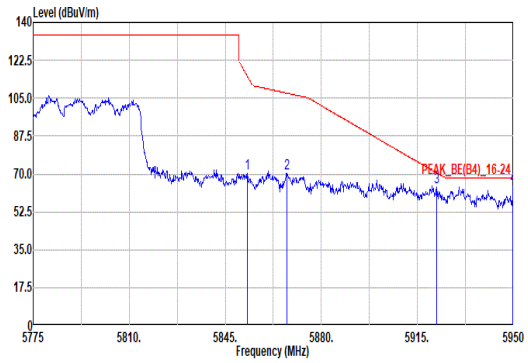
Mode	62	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE40_CH159_Partial_242/62RU _5795MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5643.49 60.92 68.20 -7.28 52.12 33.17 13.55 37.92 0.00 173 360 PEAK 2 5654.60 62.12 71.62 -9.50 53.24 33.24 13.56 37.92 0.00 173 360 PEAK 3 5710.57 73.94 108.16 -34.22 64.60 33.62 13.64 37.92 0.00 173 360 PEAK 4 5720.90 69.68 112.85 -43.17 60.31 33.64 13.65 37.92 0.00 173 360 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5795.00 111.10 ------ ------ 101.13 34.12 13.77 37.92 0.00 173 360 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5795.00 103.39 ------ ------ 93.42 34.12 13.77 37.92 0.00 173 360 AVERAGE

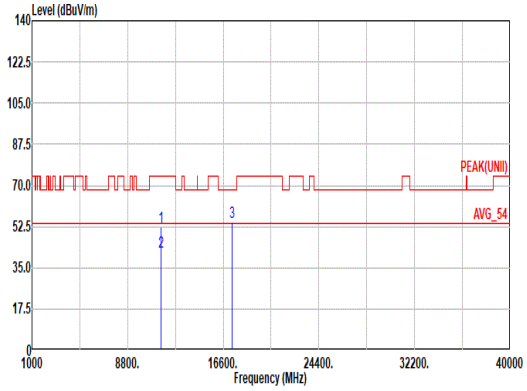
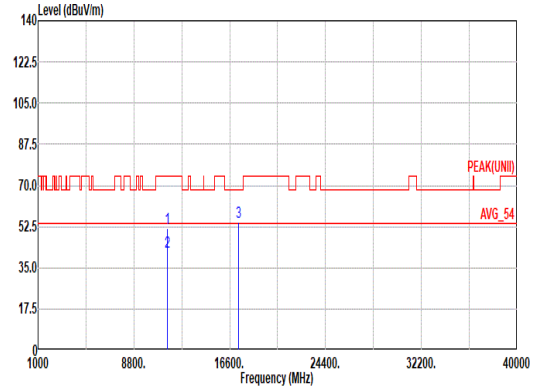
Mode	62	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE40_CH159_Partial_242/62RU _5795MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor 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 70.26 111.54 -41.28 60.03 34.30 13.85 37.92 0.00 173 360 PEAK 2 5871.73 72.53 106.12 -33.59 62.28 34.30 13.87 37.92 0.00 173 360 PEAK 3 5924.89 61.93 68.28 -6.35 51.60 34.30 13.96 37.93 0.00 173 360 PEAK 4 5935.12 63.67 68.20 -4.53 53.32 34.30 13.98 37.93 0.00 173 360 PEAK	Blank

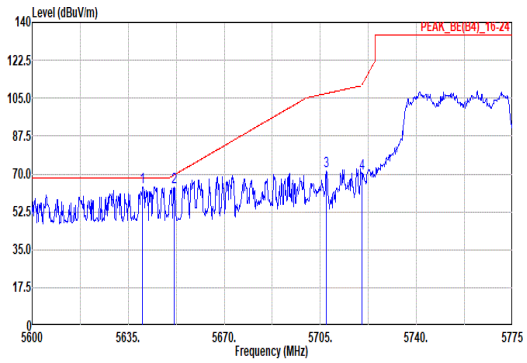
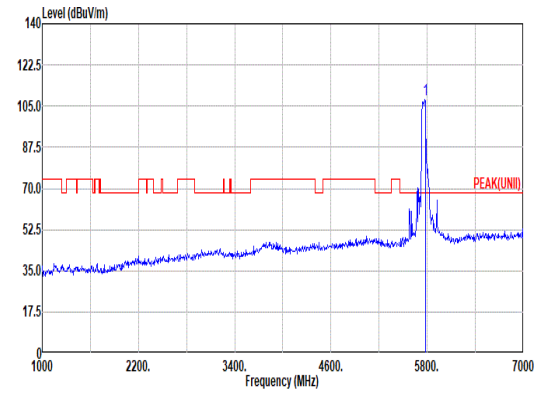
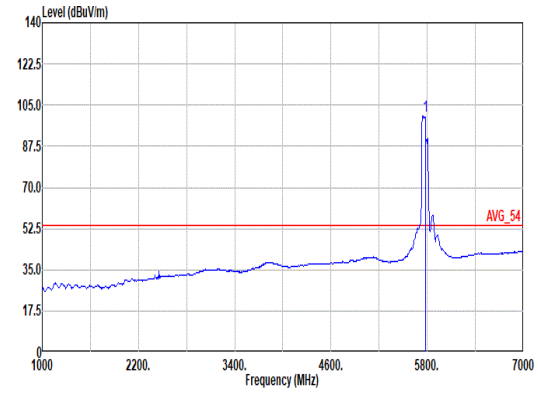
Mode	63	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE80_CH155_Full RU_5775MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5642.88 61.67 68.20 -6.53 52.87 33.17 13.55 37.92 0.00 100 195 PEAK 2 5650.93 62.47 68.89 -6.42 53.62 33.21 13.56 37.92 0.00 100 195 PEAK 3 5702.38 73.33 105.87 -32.54 64.02 33.60 13.63 37.92 0.00 100 195 PEAK 4 5720.23 71.84 111.31 -39.47 62.47 33.64 13.65 37.92 0.00 100 195 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5775.00 108.17 ------ ------ 98.67 33.72 13.70 37.92 0.00 100 195 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5775.00 100.57 ------ ------ 90.79 33.96 13.74 37.92 0.00 100 195 AVERAGE

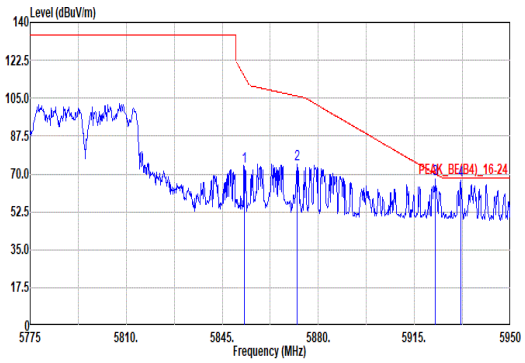
Mode	63	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE80_CH155_Full RU_5775MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor 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 68.17 112.05 -43.88 57.94 34.30 13.85 37.92 0.00 100 195 PEAK 2 5867.75 70.38 107.23 -36.85 60.13 34.30 13.87 37.92 0.00 100 195 PEAK 3 5920.95 63.29 71.19 -7.90 52.97 34.30 13.95 37.93 0.00 100 195 PEAK 4 5930.58 61.44 68.20 -6.76 51.10 34.30 13.97 37.93 0.00 100 195 PEAK	Blank

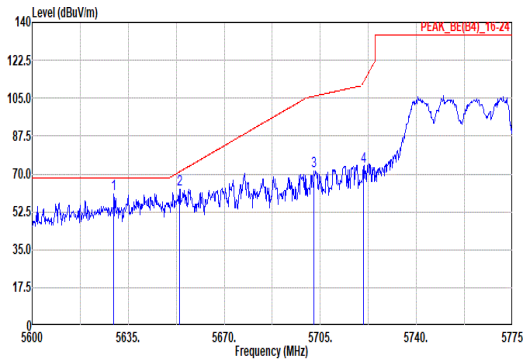
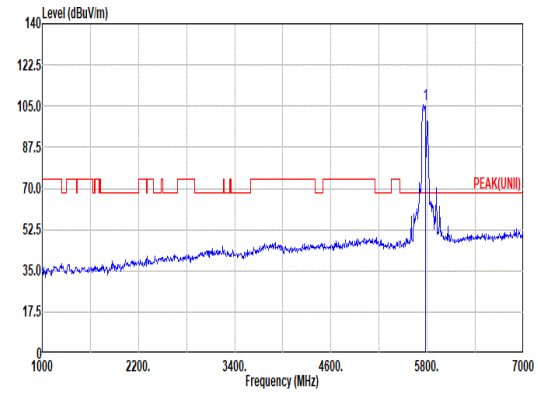
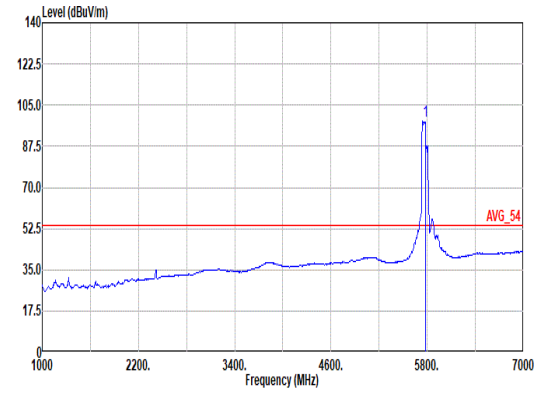
Mode	63	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE80_CH155_Full RU_5775MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5642.88 62.78 68.20 -5.42 53.98 33.17 13.55 37.92 0.00 102 301 PEAK 2 5651.63 62.91 69.41 -6.50 54.06 33.21 13.56 37.92 0.00 102 301 PEAK 3 5702.90 73.19 106.01 -32.82 63.87 33.61 13.63 37.92 0.00 102 301 PEAK 4 5721.10 73.95 113.31 -39.36 64.58 33.64 13.65 37.92 0.00 102 301 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5775.00 105.44 ------ ------ 95.78 33.86 13.72 37.92 0.00 102 301 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto 1 5775.00 98.02 ------ ------ 88.36 33.86 13.72 37.92 0.00 102 301 AVERAGE

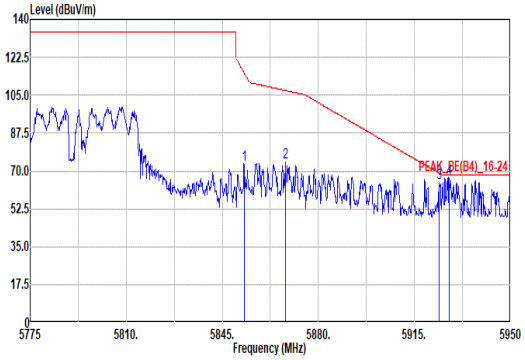
Mode	63	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE80_CH155_Full RU_5775MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5853.05 70.14 115.25 -45.11 59.92 34.30 13.84 37.92 0.00 102 301 PEAK 2 5867.40 70.26 107.33 -37.07 60.01 34.30 13.87 37.92 0.00 102 301 PEAK 3 5922.00 63.70 70.41 -6.71 53.37 34.30 13.96 37.93 0.00 102 301 PEAK 4 5949.83 64.69 68.20 -3.51 54.32 34.30 14.00 37.93 0.00 102 301 PEAK	Blank

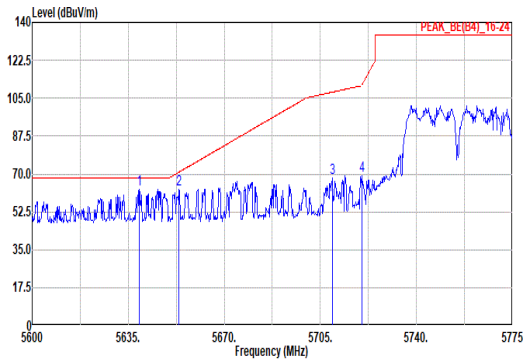
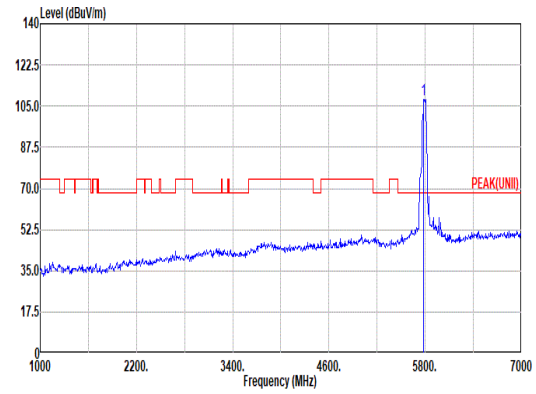
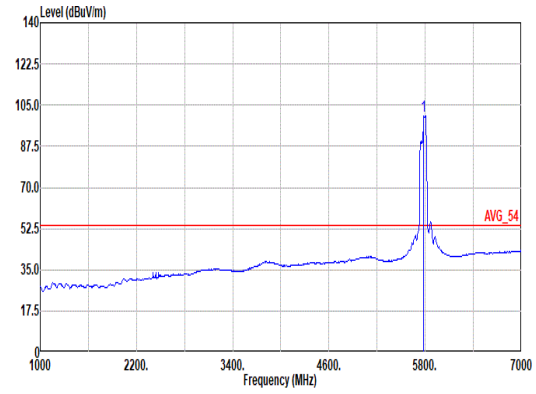
Mode	63	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE80_CH155_Full RU_5775MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 11550.00 52.28 74.00 -21.72 35.47 38.90 19.51 42.52 0.92 115 245 PEAK 2 11550.00 41.93 54.00 -12.07 25.12 38.90 19.51 42.52 0.92 115 245 Average 3 17325.00 54.60 68.20 -13.60 34.52 39.70 24.12 44.68 0.94 -- -- PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 51.66 74.00 -22.34 34.85 38.90 19.51 42.52 0.92 225 24 PEAK 2 11550.00 41.96 54.00 -12.04 25.15 38.90 19.51 42.52 0.92 225 24 Average 3 17325.00 54.52 68.20 -13.68 34.44 39.70 24.12 44.68 0.94 -- -- PEAK

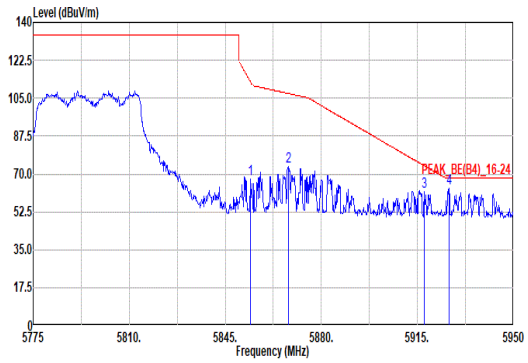
Mode	64	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE80_CH155_Partial_484/65RU _5775MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant 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 5640.25 64.06 68.20 -4.14 55.28 33.16 13.54 37.92 0.00 100 196 PEAK 2 5651.63 63.97 69.41 -5.44 55.12 33.21 13.56 37.92 0.00 100 196 PEAK 3 5707.28 71.17 107.24 -36.07 61.85 33.61 13.63 37.92 0.00 100 196 PEAK 4 5720.05 70.10 110.91 -40.81 60.73 33.64 13.65 37.92 0.00 100 196 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5775.00 107.66 ------ ------ 98.00 33.86 13.72 37.92 0.00 100 196 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5775.00 100.17 ------ ------ 90.67 33.72 13.70 37.92 0.00 100 196 AVERAGE

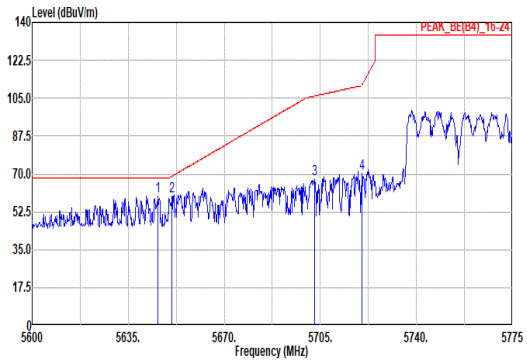
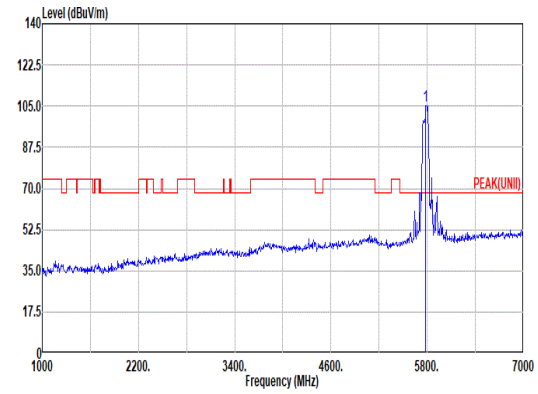
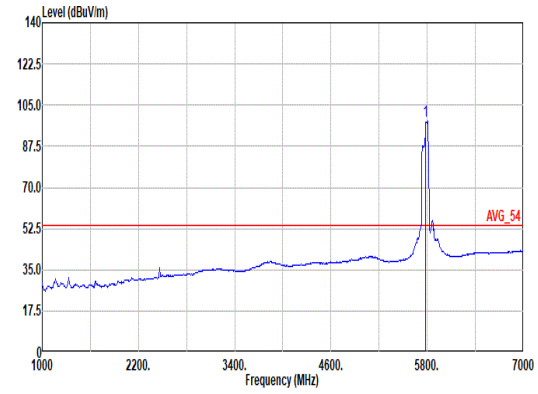
Mode	64	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE80_CH155_Partial_484/65RU _5775MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant 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 5853.05 73.65 115.25 -41.60 63.43 34.30 13.84 37.92 0.00 100 196 PEAK 2 5872.13 74.41 106.00 -31.59 64.15 34.30 13.88 37.92 0.00 100 196 PEAK 3 5922.70 67.41 69.89 -2.48 57.08 34.30 13.96 37.93 0.00 100 196 PEAK 4 5931.80 67.03 68.20 -1.17 56.69 34.30 13.97 37.93 0.00 100 196 PEAK	Blank

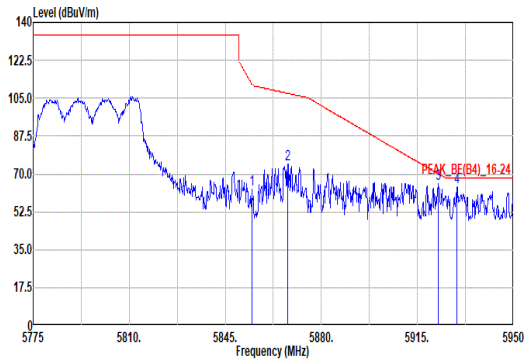
Mode	64	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE80_CH155_Partial_484/65RU _5775MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5629.75 60.75 68.20 -7.45 52.02 33.12 13.53 37.92 0.00 100 301 PEAK 2 5653.73 63.07 70.97 -7.90 54.20 33.23 13.56 37.92 0.00 100 301 PEAK 3 5702.73 71.45 105.96 -34.51 62.13 33.61 13.63 37.92 0.00 100 301 PEAK 4 5720.75 73.47 112.51 -39.04 64.10 33.64 13.65 37.92 0.00 100 301 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5775.00 105.50 ------ ------ 96.00 33.72 13.70 37.92 0.00 100 301 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5775.00 98.03 ------ ------ 88.59 33.68 13.68 37.92 0.00 100 301 AVERAGE

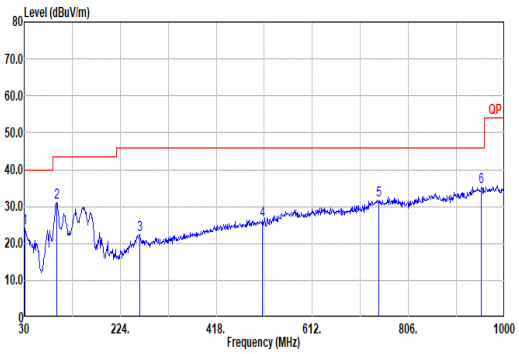
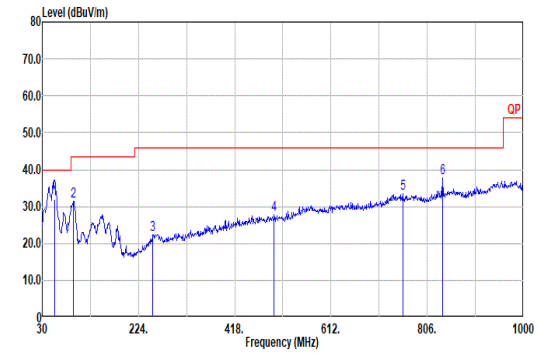
Mode	64	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE80_CH155_Partial_484/65RU _5775MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5853.05 73.10 115.25 -42.15 62.88 34.30 13.84 37.92 0.00 100 301 PEAK 2 5867.93 73.84 107.18 -33.34 63.59 34.30 13.87 37.92 0.00 100 301 PEAK 3 5923.93 64.63 68.99 -4.36 54.30 34.30 13.96 37.93 0.00 100 301 PEAK 4 5927.78 66.46 68.20 -1.74 56.13 34.30 13.96 37.93 0.00 100 301 PEAK	Blank

Mode	65	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE80_CH155_Partial_484/66RU _5775MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 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 5639.03 62.83 68.20 -5.37 54.05 33.16 13.54 37.92 0.00 100 197 PEAK 2 5653.55 63.08 70.84 -7.76 54.21 33.23 13.56 37.92 0.00 100 197 PEAK 3 5709.38 67.99 107.83 -39.84 58.65 33.62 13.64 37.92 0.00 100 197 PEAK 4 5720.05 69.18 110.91 -41.73 59.81 33.64 13.65 37.92 0.00 100 197 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5775.00 108.00 ------ ------ 98.18 34.00 13.74 37.92 0.00 100 197 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5775.00 100.37 ------ ------ 90.36 34.15 13.78 37.92 0.00 100 197 AVERAGE

Mode	65	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE80_CH155_Partial_484/66RU _5775MHz	
ANT	6+7	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 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 5854.28 67.38 112.45 -45.07 57.15 34.30 13.85 37.92 0.00 100 197 PEAK 2 5867.93 73.62 107.18 -33.56 63.37 34.30 13.87 37.92 0.00 100 197 PEAK 3 5917.45 62.04 73.77 -11.73 51.72 34.30 13.95 37.93 0.00 100 197 PEAK 4 5926.55 63.52 68.20 -4.68 53.19 34.30 13.96 37.93 0.00 100 197 PEAK	Blank

Mode	65	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE80_CH155_Partial_484/66RU _5775MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 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 5645.85 59.86 68.20 -8.34 51.05 33.18 13.55 37.92 0.00 100 301 PEAK 2 5650.93 59.53 68.89 -9.36 50.68 33.21 13.56 37.92 0.00 100 301 PEAK 3 5702.90 67.57 106.01 -38.44 58.25 33.61 13.63 37.92 0.00 100 301 PEAK 4 5720.05 70.34 110.91 -40.57 60.97 33.64 13.65 37.92 0.00 100 301 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 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 5775.00 105.35 ------ ------ 95.34 34.15 13.78 37.92 0.00 100 301 PEAK
Avg.	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5775.00 98.01 ------ ------ 88.00 34.15 13.78 37.92 0.00 100 301 AVERAGE

Mode	65	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE80_CH155_Partial_484/66RU _5775MHz	
ANT	6+7	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_9120D_02360_241101 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 5854.63 62.78 111.65 -48.87 52.55 34.30 13.85 37.92 0.00 100 301 PEAK 2 5867.75 74.68 107.23 -32.55 64.43 34.30 13.87 37.92 0.00 100 301 PEAK 3 5922.70 65.52 69.89 -4.37 55.19 34.30 13.96 37.93 0.00 100 301 PEAK 4 5929.35 63.92 68.20 -4.28 53.58 34.30 13.97 37.93 0.00 100 301 PEAK	Blank

Mode	69	
	LF	
	U-NII-3_5.725-5.85_802.11ax HE80_CH155_Partial_484/65RU _5775MHz	
ANT	6+7	
Pol.	Horizontal	Vertical
QP/ Peak	 Site : 03CH20-HY Condition: QP 3m CBL6111D&00802N1D01N-06 _47020 & 06_241005 HORIZONTAL 1 30.97 24.08 40.00 -15.92 34.15 24.25 1.02 35.59 0.25 -- -- Peak 2 95.96 31.05 43.50 -12.45 48.92 15.62 1.85 35.51 0.17 -- -- Peak 3 262.80 22.25 46.00 -23.75 34.22 20.07 2.97 35.20 0.19 -- -- Peak 4 511.12 26.38 46.00 -19.62 32.84 23.88 4.10 34.57 0.13 -- -- Peak 5 746.83 31.75 46.00 -14.25 32.01 28.38 4.91 33.69 0.14 -- -- Peak 6 953.44 35.47 46.00 -10.53 31.75 31.08 5.51 32.96 0.09 -- -- Peak	 Site : 03CH20-HY Condition: QP 3m CBL6111D&00802N1D01N-06 _47020 & 06_241005 VERTICAL 1 55.22 31.96 40.00 -8.04 53.38 12.52 1.40 35.57 0.23 119 253 QP 2 93.05 31.49 43.50 -12.01 49.86 15.16 1.82 35.52 0.17 -- -- Peak 3 253.10 22.45 46.00 -23.55 35.47 19.08 2.92 35.21 0.19 -- -- Peak 4 497.54 27.64 46.00 -18.36 34.32 23.76 4.05 34.62 0.13 -- -- Peak 5 756.53 33.44 46.00 -12.56 33.62 28.38 4.94 33.64 0.14 -- -- Peak 6 837.04 37.68 46.00 -8.32 36.67 29.16 5.15 33.42 0.12 -- -- Peak