FCC RADIO TEST REPORT

FCC ID	:	**A4RGLBW0**
Equipment	:	**Phone**
Model Name	:	**GLBW0**
Applicant	:	**Google LLC** **1600 Amphitheatre Parkway,** **Mountain View, CA, 94043 USA**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Nov. 27, 2024 and testing was performed from Jan. 21, 2025 to Apr. 25, 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

Sporton International Inc. Wensan Laboratory
No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issue Date
FR4N0919E	01	Initial issue of report	Apr. 21, 2025
FR4N0919E	02	Revise section 1.1, 2.2, 3.1.5, 4, Appendix A and Appendix C This report is an updated version, replacing the report issued on Apr. 21, 2025.	Apr. 25, 2025
FR4N0919E	03	Revise section 2.2 and Appendix A This report is an updated version, replacing the report issued on Apr. 25, 2025.	May 16, 2025

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403	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	-
3.5	15.207	AC Conducted Emission	Pass	-
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: William Chen

Report Producer: Clio Lo

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs GSM/WCDMA/LTE/5G NR/NTN, Bluetooth, BLE, BLE channel sounding, Wi-Fi 802.11ax, NFC, WPC Rx and GNSS Rx. **Antenna Type** WLAN: **<Ant. 3>:** IFA Antenna **<Ant. 4>:** ILA Antenna

EUT Information List	
S/N	**Performed Test Item**
4C311FDCR0000W	RF Conducted Measurement
4C271FDCR000L6	Radiated Spurious Emission
4B121FDCR0006U	Conducted Emission

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	<5G_Ant4 + 5G_Ant3> Correlated: -0.37 Uncorrelated: -3.37
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	Ant. 3: -2.2 Ant. 4: -4.1
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	Ant. 3: -4.3 Ant. 4: -3.5
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	Ant. 3: -0.1 Ant. 4: -3.4

Remark:

1. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.
2. The correlated antenna gain is provided by the MIMO antenna report using KDB 662911 D01 from manufacturer.

1.1.1 Antenna Directional Gain

<For CDD Mode>

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

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

For power measurements on IEEE 802.11 devices,

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

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

For PSD measurements, the directional gain calculation.

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

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 3 (dBi)	Ant 4 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band II	-2.20	-4.10	-2.20	-0.09	0.00	0.00
Band III	-4.30	-3.50	-3.50	-0.88	0.00	0.00
Band IV	-0.10	-3.40	-0.10	1.42	0.00	0.00

Calculation example:

If a device has two antenna, G_{ANT3}= -2.2dBi; G_{ANT4}=-4.1dBi

Directional gain of power measurement = max(-2.2, -4.1) + 0 =-2.2 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (-2.2 dBi / 20) + 10^ (-4.1 dBi / 20)] ^ 2 } / 2 }

= -0.09 dBi

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, CO07-HY, 03CH20-HY

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

FCC designation No.: TW3786

1.4 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

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

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)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58#	5290		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106#	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

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

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
TDWR Channel	118*	5590	124	5620
	120	5600	126*	5630
	122#	5610	128	5640

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	138#	5690	144	5720
	142*	5710		

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

This device supports both CDD and SDM modes.

For bands other than LPI and VLP, SDM mode is covered by CDD mode due to identical power level.

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

MIMO Mode

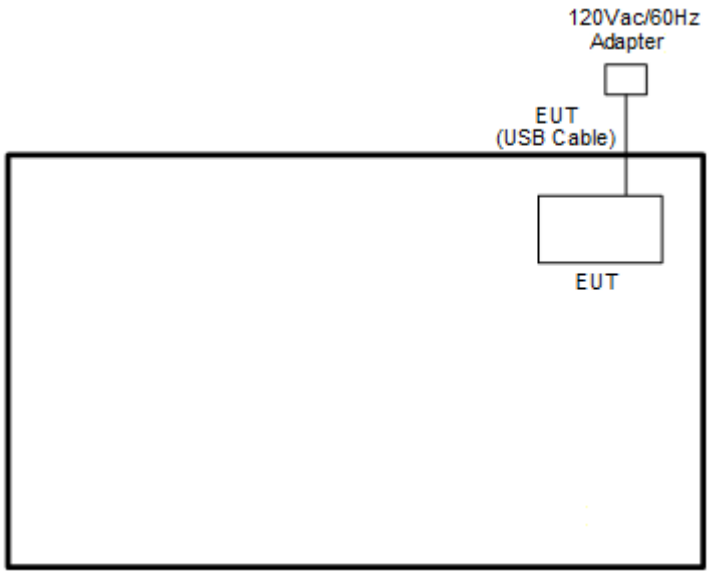
Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by HE20)	MCS0
802.11n HT40 (Covered by HE40)	MCS0
802.11ac VHT20 (Covered by HE20)	MCS0
802.11ac VHT40 (Covered by HE40)	MCS0
802.11ac VHT80 (Covered by HE80)	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + USB Cable 2 (Charging from AC Adapter)

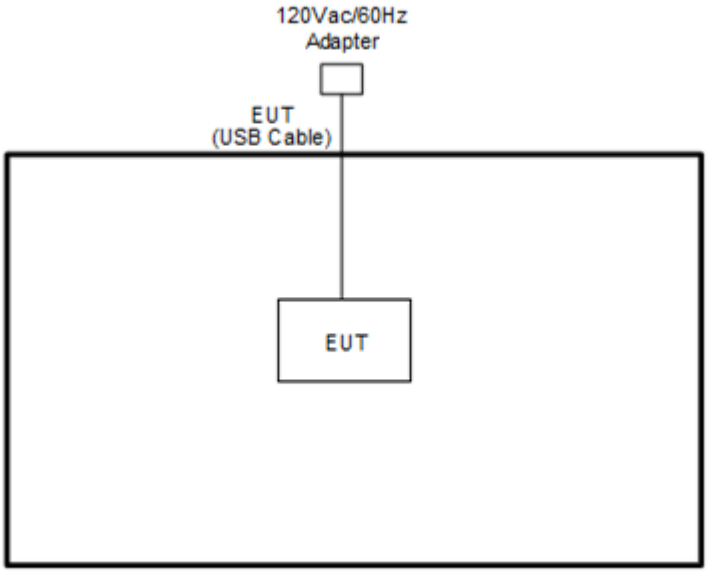
Remark:
1. For Radiated Test Cases, the tests were performed with USB Cable 2.
2. The detailed Radiated test modes are shown in Appendix C.
3. During the preliminary test, both charging modes (Adapter mode and WPC Rx mode) were verified. It is determined that the adaptor mode is the worst case for official test.
4. 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.	Adapter	N/A	GW8L7	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “BTWIFI_Final_version_240823” 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 26dB & 99% Occupied Bandwidth Measurement

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

The 6 dB bandwidth shall be at least 500kHz for 5725-5850MHz.

There is no restriction limits for 26dB and 99% Occupied bandwidth.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

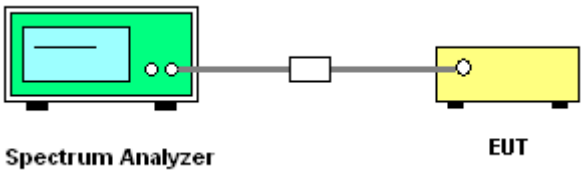
3.1.2 Measuring Instruments

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
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.
9. For 6dB Bandwidth Measurement
   (1) The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
   (2) Section C) Emission bandwidth for the band 5.725-5.85 GHz
   (3) Set RBW = 100 kHz.
   (4) Set the VBW ≥ 3 x RBW.
   (5) Detector = Peak.
   (6) Trace mode = max hold
   (7) Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
   (8) 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.

Note: The EBW spectrum setting is as following table for different nominal bandwidth.

Setting Measured	11a/HE20 < 40MHz	11a/HE20 > 40MHz	HE40	HE80 < 150MHz	HE80 > 150MHz
RBW	300kHz	500kHz	1MHz	1MHz	2MHz
VBW	1MHz	2MHz	3MHz	3MHz	10MHz

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

■ For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

For the 5.25–5.725 GHz bands:

■ The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

For the band 5.725–5.85 GHz bands:

■ The maximum conducted output power over the frequency band of operation shall not exceed 1 W.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

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.

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

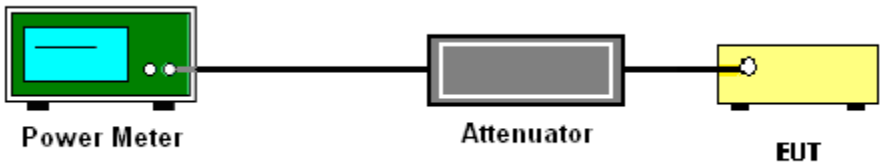
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

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

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1.0 MHz band.

For the 5.25–5.725 GHz bands:

The maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

For the 5.725–5.85 GHz bands:

The maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

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

For the band 5.15-5.725 GHz

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 = 1 MHz.
- Set VBW ≥ 3 MHz.
- 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 (a): Measure and sum the spectra across the outputs.

   The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.

For the band 5.725–5.85 GHz

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

Section F) Maximum power spectral density.

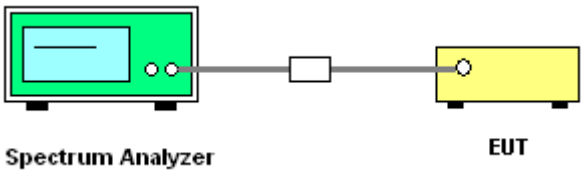
 # Method SA-2 #

(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 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of –27dBm/MHz.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.
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

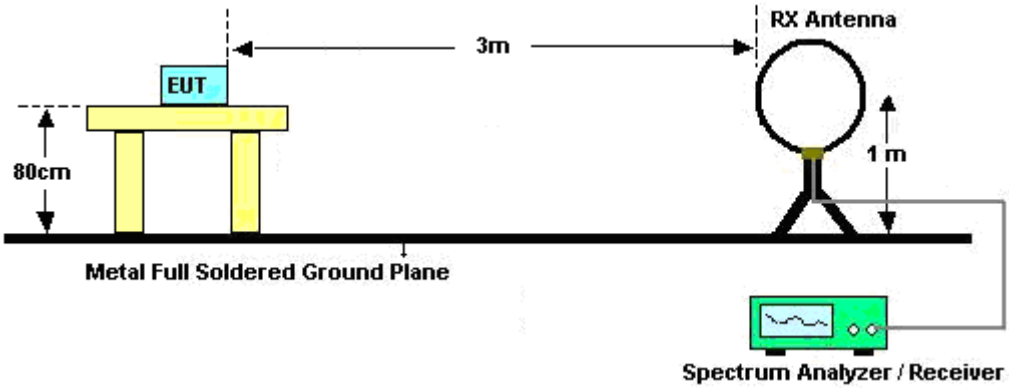
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

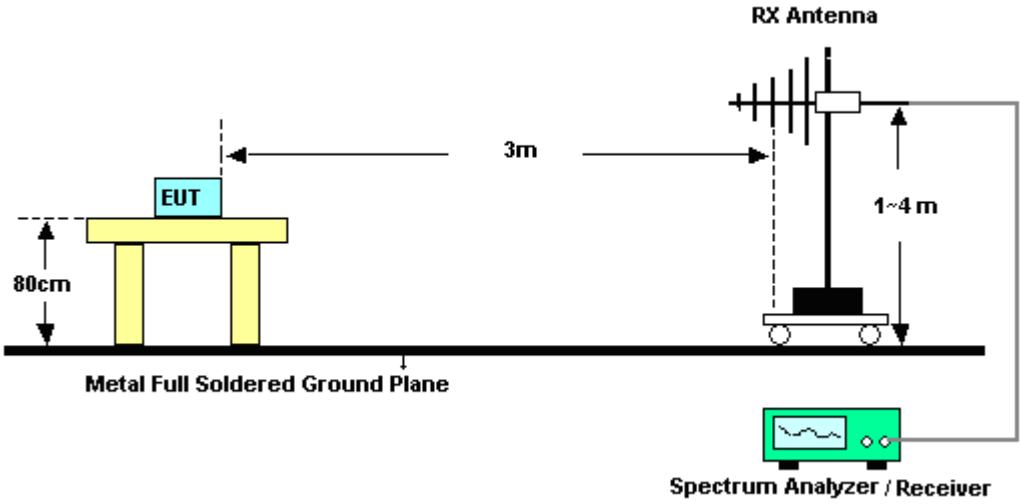
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

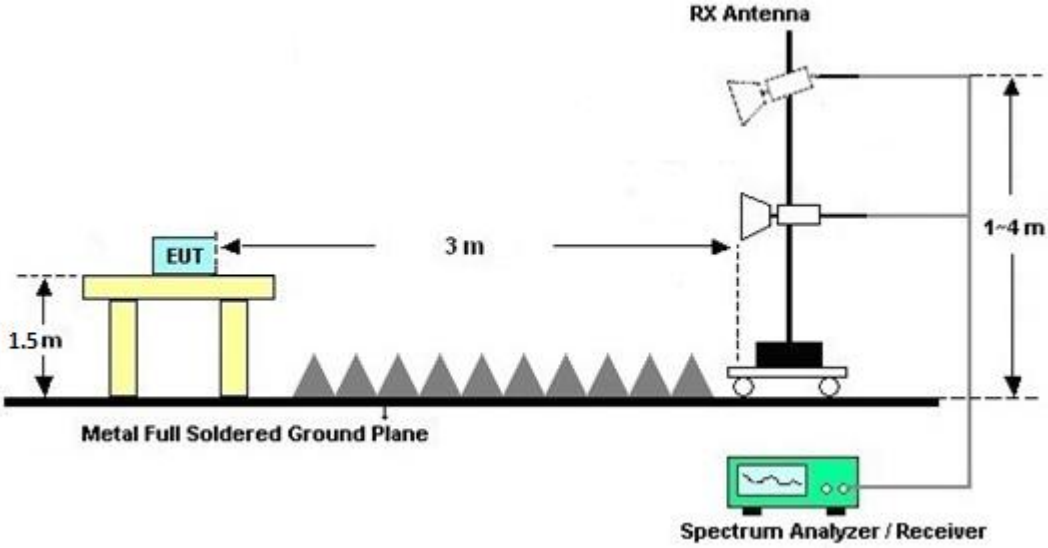
For radiated emissions below 30MHz



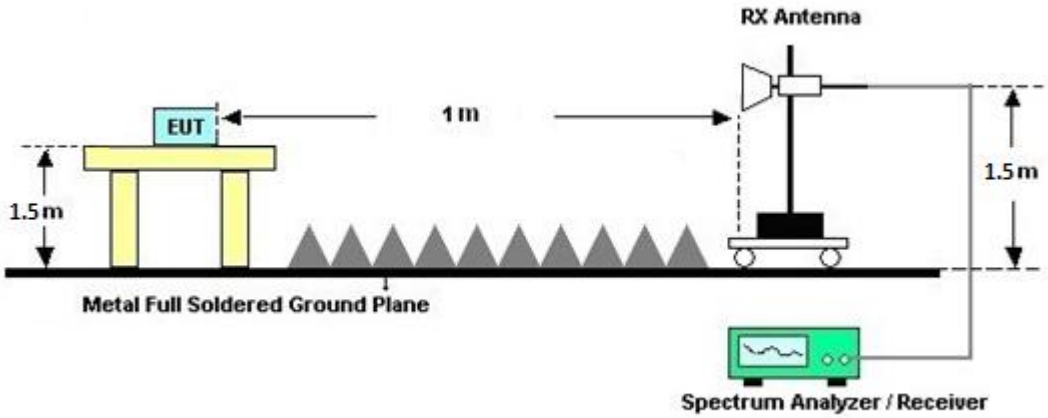
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.4.5 Test Results of Radiated Spurious 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 Spurious at Band Edges

Please refer to Appendix C.

3.4.7 Duty Cycle

Please refer to Appendix D.

3.4.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix C.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

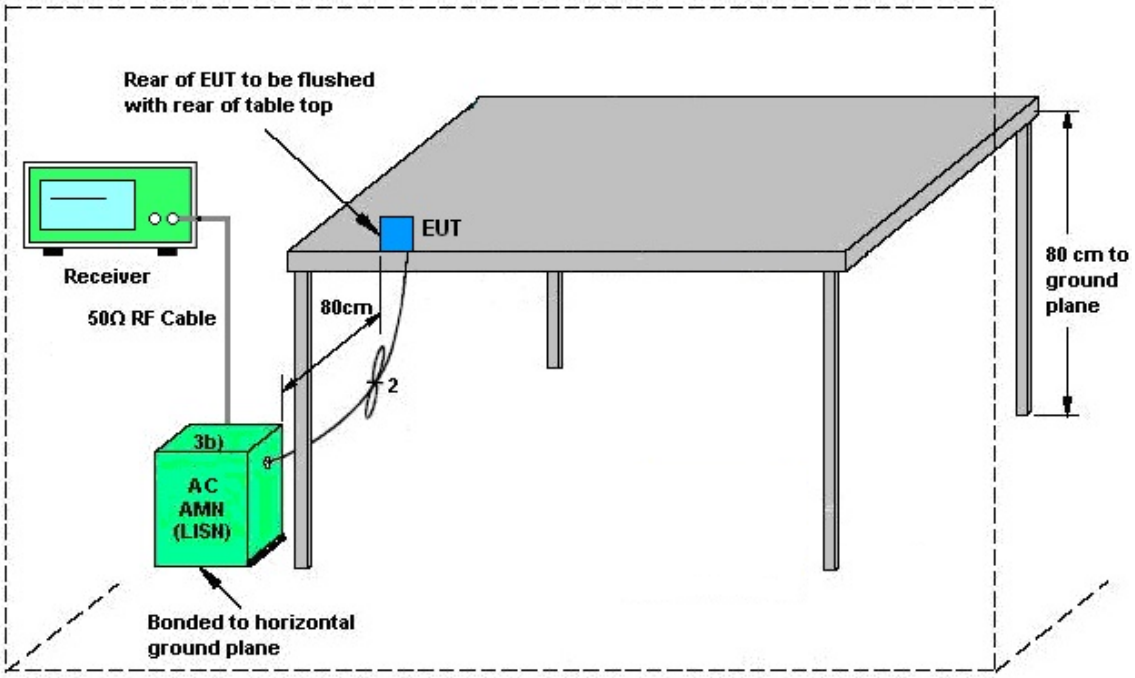
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

b) Unique (non-standard) antenna connector.

Use of a standard connector is also allowed if the connector is within the transmitter enclosure and can only be accessed by disassembly of the transmitter, where such disassembly is not normally required. The user manual must not show that user has access to the connector.

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	Jan. 21, 2025~ Feb. 24, 2025	Oct. 15, 2025	Radiation (03CH20-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Aug. 29, 2024	Jan. 21, 2025~ Feb. 24, 2025	Aug. 28, 2025	Radiation (03CH20-HY)
Preamplifier	EMEC	EM18G40G	060873	18GHz~40GHz	Sep. 02, 2024	Jan. 21, 2025~ Feb. 24, 2025	Sep. 01, 2025	Radiation (03CH20-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Jan. 21, 2025~ Feb. 24, 2025	N/A	Radiation (03CH20-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jan. 21, 2025~ Feb. 24, 2025	N/A	Radiation (03CH20-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jan. 21, 2025~ Feb. 24, 2025	N/A	Radiation (03CH20-HY)
Signal Analyzer	Keysight	N9010B	MY60240520	N/A	Dec. 09, 2024	Jan. 21, 2025~ Feb. 24, 2025	Dec. 08, 2025	Radiation (03CH20-HY)
Bilog Antenna	TESEQ	CBL 6111D&00802 N1D01N-06	55606 & 08	30MHz~1GHz	Nov. 27, 2024	Jan. 21, 2025~ Feb. 24, 2025	Nov. 26, 2025	Radiation (03CH20-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	02360	1GHz-18GHz	Nov. 01, 2024	Jan. 21, 2025~ Feb. 24, 2025	Oct. 31 , 2025	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1224	18GHz-40GHz	Jun. 24, 2024	Jan. 21, 2025~ Feb. 24, 2025	Jun. 23, 2025	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz-1000MHz	Dec. 31, 2024	Jan. 21, 2025~ Feb. 24, 2025	Dec. 30, 2025	Radiation (03CH20-HY)
Amplifier	EMCI	EMC118A45S E	980792	N/A	Nov. 12, 2024	Jan. 21, 2025~ Feb. 24, 2025	Nov. 11, 2025	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,804 015/2,804027 /2	N/A	Jan. 16, 2025	Jan. 21, 2025~ Feb. 24, 2025	Jan. 15, 2026	Radiation (03CH20-HY)
Hygrometer	TECPEL	DTM-303A	TP211382	N/A	Mar. 27, 2024	Jan. 21, 2025~ Feb. 24, 2025	Mar. 26, 2025	Radiation (03CH20-HY)
Software	Audix	N/A	RK-002156	N/A	N/A	Jan. 21, 2025~ Feb. 24, 2025	N/A	Radiation (03CH20-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 01, 2024	Feb. 03, 2025~ Apr. 25, 2025	Oct. 31, 2025	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	13I00030SNO 31 (NO:182)	9kHz~6GHz	Jan. 09, 2025	Feb. 03, 2025~ Apr. 25, 2025	Jan. 08, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101467	10Hz~44GHz	Jan. 14, 2025	Feb. 03, 2025~ Apr. 25, 2025	Jan. 13, 2026	Conducted (TH05-HY)
Switch Control Mainframe	Burgeon	ETF-058	EC1300484 (BOX3)	N/A	May 20, 2024	Feb. 03, 2025~ Apr. 25, 2025	May 19, 2025	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_ version_24051 3	N/A	Conducted Other Test Item	N/A	Feb. 03, 2025~ Apr. 25, 2025	N/A	Conducted (TH05-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Mar. 19, 2025~ Mar. 21, 2025	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Mar. 19, 2025~ Mar. 21, 2025	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 23, 2024	Mar. 19, 2025~ Mar. 21, 2025	Oct. 22, 2025	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 03, 2025	Mar. 19, 2025~ Mar. 21, 2025	Mar. 02, 2026	Conduction (CO07-HY)
Lisn	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 12, 2024	Mar. 15, 2025	Dec. 11, 2025	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 23, 2024	Mar. 19, 2025~ Mar. 21, 2025	Sep. 22, 2025	Conduction (CO07-HY)

5 Measurement Uncertainty

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

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:	Howard Tsai and Mina Liu	Temperature:	21~25	°C
Test Date:	2025/02/03~2025/04/25	Relative Humidity:	51~54	%

MIMO <Ant. 4+3>

<For Band 1-3>

26dB and 99% OBW

U-NII-1 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	
11a	6M	2	36	5180	18.32	18.56	29.1	34.13	-		22.63		
11a	6M	2	40	5200	29.2	30.52	45.62	49.21	-		23.01		
11a	6M	2	44	5220	34.77	32.88	53.37	49.79	-		23.01		
11a	6M	2	48	5240	19.15	19.26	32.3	34.46	-		22.82		

Average Output Power

U-NII-1 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass /Fail
					Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3	
11a	6M	2Tx	36	5180	15.44	15.93	18.7	24		-3.37		Pass
11a	6M	2Tx	40	5200	17.35	17.10	20.24	24		-3.37		Pass
11a	6M	2Tx	44	5220	18.00	16.61	20.37	24		-3.37		Pass
11a	6M	2Tx	48	5240	16.00	16.24	19.13	24		-3.37		Pass
HT20	MCS0	2Tx	36	5180	14.01	14.23	17.13	24		-3.37		Pass
HT20	MCS0	2Tx	40	5200	16.88	16.75	19.83	24		-3.37		Pass
HT20	MCS0	2Tx	44	5220	17.87	16.54	20.27	24		-3.37		Pass
HT20	MCS0	2Tx	48	5240	15.72	15.87	18.81	24		-3.37		Pass
HT40	MCS0	2Tx	38	5190	13.37	13.02	16.21	24		-3.37		Pass
HT40	MCS0	2Tx	46	5230	15.17	14.70	17.95	24		-3.37		Pass
VHT20	MCS0	2Tx	36	5180	14.04	14.27	17.17	24		-3.37		Pass
VHT20	MCS0	2Tx	40	5200	16.90	16.77	19.85	24		-3.37		Pass
VHT20	MCS0	2Tx	44	5220	17.98	16.58	20.35	24		-3.37		Pass
VHT20	MCS0	2Tx	48	5240	15.73	15.89	18.82	24		-3.37		Pass
VHT40	MCS0	2Tx	38	5190	13.42	13.13	16.29	24		-3.37		Pass
VHT40	MCS0	2Tx	46	5230	15.23	15.03	18.14	24		-3.37		Pass
VHT80	MCS0	2Tx	42	5210	12.64	11.95	15.32	24		-3.37		Pass

Power Spectral Density

U-NII-1 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant4	Ant3	Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3	
11a	6M	2	36	5180	0.02	0.02			7.82	11.0		-0.37		Pass
11a	6M	2	40	5200	0.02	0.02			10.07	11.0		-0.37		Pass
11a	6M	2	44	5220	0.02	0.02			10.31	11.0		-0.37		Pass
11a	6M	2	48	5240	0.02	0.02			8.57	11.0		-0.37		Pass

26dB and 99% OBW

FCC U-NII-2A MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	
11a	6M	2	52	5260	34.92	33.13	52.95	52.02	23.98		30		23.98		
11a	6M	2	60	5300	25.23	26.02	41.45	42.82	23.98		30		23.98		
11a	6M	2	64	5320	18.53	18.28	30.31	32.06	23.62		29.62		23.98		

Average Output Power

FCC U-NII-2A MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass /Fail
					Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3		
11a	6M	2Tx	52	5260	18.48	17.13	20.87	23.98		-2.2		30	Pass
11a	6M	2Tx	60	5300	17.47	16.38	19.97	23.98		-2.2		30	Pass
11a	6M	2Tx	64	5320	15.78	15.11	18.47	23.98		-2.2		30	Pass
HT20	MCS0	2Tx	52	5260	18.66	17.75	21.24	23.98		-2.2		30	Pass
HT20	MCS0	2Tx	60	5300	16.78	16.13	19.48	23.98		-2.2		30	Pass
HT20	MCS0	2Tx	64	5320	14.67	13.94	17.33	23.98		-2.2		30	Pass
HT40	MCS0	2Tx	54	5270	16.21	15.85	19.04	23.98		-2.2		30	Pass
HT40	MCS0	2Tx	62	5310	12.76	12.19	15.49	23.98		-2.2		30	Pass
VHT20	MCS0	2Tx	52	5260	18.69	17.76	21.26	23.98		-2.2		30	Pass
VHT20	MCS0	2Tx	60	5300	16.95	16.16	19.58	23.98		-2.2		30	Pass
VHT20	MCS0	2Tx	64	5320	14.77	14.02	17.42	23.98		-2.2		30	Pass
VHT40	MCS0	2Tx	54	5270	16.24	15.94	19.10	23.98		-2.2		30	Pass
VHT40	MCS0	2Tx	62	5310	12.8	12.24	15.54	23.98		-2.2		30	Pass
VHT80	MCS0	2Tx	58	5290	12.53	11.77	15.18	23.98		-2.2		30	Pass

Power Spectral Density

FCC U-NII-2A MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant4	Ant3	Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3	
11a	6M	2	52	5260	0.02	0.02			10.81	11.0		-0.09		Pass
11a	6M	2	60	5300	0.02	0.02			9.29	11.0		-0.09		Pass
11a	6M	2	64	5320	0.02	0.02			7.83	11.0		-0.09		Pass

26dB and 99% OBW

U-NII-2C MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3
11a	6M	2	100	5500	19.17	18.03	32.93	32.05	23.56		29.56		23.98		-	-
11a	6M	2	116	5580	36.06	30.64	59.65	46.86	23.98		30		23.98		-	-
11a	6M	2	136	5680	24.62	22.0	39.88	37.62	23.98		30		23.98		-	-
11a	6M	2	140	5700	17.67	17.23	24.19	23.82	23.36		29.36		23.98		-	-

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3
11a	6M	2	144	5720	20.59	18.55	29.57	26.38	23.98		23.01		23.98		3.16	2.88
6dB Bandwidth Limit ≧ 500kHz															Pass	

Average Output Power

U-NII-2C MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass /Fail
					Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3		
11a	6M	2Tx	100	5500	16.85	15.63	19.29	23.98		-3.5		30	Pass
11a	6M	2Tx	116	5580	18.95	18.15	21.58	23.98		-3.5		30	Pass
11a	6M	2Tx	136	5680	17.38	16.93	20.17	23.98		-3.5		30	Pass
11a	6M	2Tx	140	5700	14.35	13.31	16.87	23.98		-3.5		30	Pass
HT20	MCS0	2Tx	100	5500	15.21	14.05	17.68	23.98		-3.5		30	Pass
HT20	MCS0	2Tx	116	5580	18.88	17.85	21.41	23.98		-3.5		30	Pass
HT20	MCS0	2Tx	136	5680	16.93	16.72	19.84	23.98		-3.5		30	Pass
HT20	MCS0	2Tx	140	5700	14.02	13.22	16.65	23.98		-3.5		30	Pass
HT40	MCS0	2Tx	102	5510	13.97	13.15	16.59	23.98		-3.5		30	Pass
HT40	MCS0	2Tx	110	5550	17.94	16.75	20.40	23.98		-3.5		30	Pass
HT40	MCS0	2Tx	134	5670	16.07	15.23	18.68	23.98		-3.5		30	Pass
VHT20	MCS0	2Tx	100	5500	15.28	14.10	17.74	23.98		-3.5		30	Pass
VHT20	MCS0	2Tx	116	5580	18.93	18.12	21.55	23.98		-3.5		30	Pass
VHT20	MCS0	2Tx	136	5680	16.96	16.77	19.88	23.98		-3.5		30	Pass
VHT20	MCS0	2Tx	140	5700	14.06	13.35	16.73	23.98		-3.5		30	Pass
VHT40	MCS0	2Tx	102	5510	14.07	13.19	16.66	23.98		-3.5		30	Pass
VHT40	MCS0	2Tx	110	5550	17.98	16.79	20.44	23.98		-3.5		30	Pass
VHT40	MCS0	2Tx	134	5670	16.13	15.28	18.74	23.98		-3.5		30	Pass
VHT80	MCS0	2Tx	106	5530	12.70	11.90	15.33	23.98		-3.5		30	Pass
VHT80	MCS0	2Tx	122	5610	17.16	15.94	19.6	23.98		-3.5		30	Pass

U-NII-2C straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass /Fail
					Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3		
11a	6M	2Tx	144	5720	18.89	17.73	21.36	23.98		-3.5		30	Pass
HT20	MCS0	2Tx	144	5720	18.91	17.75	21.38	23.98		-3.5		30	Pass
HT40	MCS0	2Tx	142	5710	18.80	18.13	21.49	23.98		-3.5		30	Pass
VHT20	MCS0	2Tx	144	5720	18.98	17.98	21.52	23.98		-3.5		30	Pass
VHT40	MCS0	2Tx	142	5710	18.90	18.17	21.56	23.98		-3.5		30	Pass
VHT80	MCS0	2Tx	138	5690	17.68	16.83	20.29	23.98		-3.5		30	Pass

Power Spectral Density

U-NII-2C MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant4	Ant3	Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3	
11a	6M	2	100	5500	0.02	0.02			8.47	11.0		-0.88		Pass
11a	6M	2	116	5580	0.02	0.02			10.85	11.0		-0.88		Pass
11a	6M	2	136	5680	0.02	0.01			9.81	11.0		-0.88		Pass
11a	6M	2	140	5700	0.02	0.02			6.34	11.0		-0.88		Pass

U-NII-2C straddle channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant4	Ant3	Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3	
11a	6M	2	144	5720	0.02	0.02			10.88	11.0		-0.88		Pass

26dB and 99% OBW

U-NII-1 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
						Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	
HE20	MCS0	2	36	5180	Full	19.27	19.33	30.51	36.98	-		22.85		
HE20	MCS0	2	40	5200	Full	27.31	29.07	45.46	50.08	-		23.01		
HE20	MCS0	2	44	5220	Full	36.97	36.11	57.48	55.58	-		23.01		
HE20	MCS0	2	48	5240	Full	19.31	19.54	33.61	36.64	-		22.86		
HE40	MCS0	2	38	5190	Full	37.88	37.89	49.33	52.51	-		23.01		
HE40	MCS0	2	46	5230	Full	38.28	38.4	66.75	79.09	-		23.01		
HE80	MCS0	2	42	5210	Full	76.88	76.94	81.25	81.54	-		23.01		

Average Output Power

U-NII-1 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass /Fail
						Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3	
HE20	MCS0	2Tx	36	5180	Full/RU	14.23	14.38	17.32	24		-3.37		Pass
HE20	MCS0	2Tx	36	5180	26RU/0	6.4	5.18	8.84	24		-3.37		Pass
HE20	MCS0	2Tx	36	5180	52RU/37	9.28	9.05	12.18	24		-3.37		Pass
HE20	MCS0	2Tx	36	5180	106RU/53	10.94	10.63	13.8	24		-3.37		Pass
HE20	MCS0	2Tx	40	5200	Full/RU	16.98	16.80	19.90	24		-3.37		Pass
HE20	MCS0	2Tx	40	5200	26RU/0	9.14	8.76	11.96	24		-3.37		Pass
HE20	MCS0	2Tx	40	5200	52RU/37	12.14	12.64	15.41	24		-3.37		Pass
HE20	MCS0	2Tx	40	5200	106RU/53	15.1	15.51	18.32	24		-3.37		Pass
HE20	MCS0	2Tx	44	5220	Full/RU	17.97	17.17	20.60	24		-3.37		Pass
HE20	MCS0	2Tx	44	5220	26RU/4	9.68	8.9	12.32	24		-3.37		Pass
HE20	MCS0	2Tx	44	5220	52RU/38	10.98	10.21	13.62	24		-3.37		Pass
HE20	MCS0	2Tx	44	5220	106RU/53	15.25	14.7	17.99	24		-3.37		Pass
HE20	MCS0	2Tx	48	5240	Full/RU	15.87	15.99	18.94	24		-3.37		Pass
HE20	MCS0	2Tx	48	5240	26RU/8	7.75	7.29	10.54	24		-3.37		Pass
HE20	MCS0	2Tx	48	5240	52RU/40	10.49	10.39	13.45	24		-3.37		Pass
HE20	MCS0	2Tx	48	5240	106RU/54	13.58	14.24	16.93	24		-3.37		Pass
HE40	MCS0	2Tx	38	5190	Full/RU	13.37	13.26	16.33	24		-3.37		Pass
HE40	MCS0	2Tx	46	5230	Full/RU	15.4	14.91	18.17	24		-3.37		Pass
HE80	MCS0	2Tx	42	5210	Full/RU	12.65	12.41	15.54	24		-3.37		Pass

Power Spectral Density

U-NII-1 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant4	Ant3	Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3	
HE20	MCS0	2	36	5180	Full	0.03	0.03			6.46	11.0		-0.37		Pass
HE20	MCS0	2	36	5180	26/0	0.02	0.03			5.95	11.0		-0.37		Pass
HE20	MCS0	2	36	5180	52/37	0.02	0.03			6.31	11.0		-0.37		Pass
HE20	MCS0	2	36	5180	106/53	0.03	0.03			4.86	11.0		-0.37		Pass
HE20	MCS0	2	40	5200	Full	0.03	0.03			9.09	11.0		-0.37		Pass
HE20	MCS0	2	40	5200	26/0	0.02	0.03			8.95	11.0		-0.37		Pass
HE20	MCS0	2	40	5200	52/37	0.02	0.03			9.01	11.0		-0.37		Pass
HE20	MCS0	2	40	5200	106/53	0.03	0.03			8.96	11.0		-0.37		Pass
HE20	MCS0	2	44	5220	Full	0.03	0.03			9.48	11.0		-0.37		Pass
HE20	MCS0	2	44	5220	26/4	0.02	0.03			8.42	11.0		-0.37		Pass
HE20	MCS0	2	44	5220	52/38	0.02	0.03			7.82	11.0		-0.37		Pass
HE20	MCS0	2	44	5220	106/53	0.03	0.03			8.97	11.0		-0.37		Pass
HE20	MCS0	2	48	5240	Full	0.03	0.03			8.03	11.0		-0.37		Pass
HE20	MCS0	2	48	5240	26/8	0.02	0.03			7.8	11.0		-0.37		Pass
HE20	MCS0	2	48	5240	52/40	0.02	0.03			7.59	11.0		-0.37		Pass
HE20	MCS0	2	48	5240	106/54	0.03	0.03			7.98	11.0		-0.37		Pass
HE40	MCS0	2	38	5190	Full	0.06	0.06			2.39	11.0		-0.37		Pass
HE40	MCS0	2	46	5230	Full	0.06	0.06			4.2	11.0		-0.37		Pass
HE80	MCS0	2	42	5210	Full	0.12	0.12			-1.06	11.0		-0.37		Pass

26dB and 99% OBW

FCC U-NII-2A MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
						Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	
HE20	MCS0	2	52	5260	Full	36.98	36.79	59.01	56.6	23.98		30		23.98		
HE20	MCS0	2	60	5300	Full	25.9	28.09	46.88	48	23.98		30		23.98		
HE20	MCS0	2	64	5320	Full	19.26	19.24	27.05	30.41	23.84		29.84		23.98		
HE40	MCS0	2	54	5270	Full	39.72	46.38	75.87	93.36	23.98		30		23.98		
HE40	MCS0	2	62	5310	Full	37.82	37.85	41.14	41.14	23.98		30		23.98		
HE80	MCS0	2	58	5290	Full	76.84	76.88	81.89	81.38	23.98		30		23.98		

Average Output Power

FCC U-NII-2A MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass /Fail
						Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3		
HE20	MCS0	2Tx	52	5260	Full/RU	18.91	17.94	21.46	23.98		-2.2		30	Pass
HE20	MCS0	2Tx	52	5260	26RU/0	10.53	9.53	13.07	23.98		-2.2		30	Pass
HE20	MCS0	2Tx	52	5260	52RU/37	13.15	12.86	16.02	23.98		-2.2		30	Pass
HE20	MCS0	2Tx	52	5260	106RU/53	16.04	15.99	19.03	23.98		-2.2		30	Pass
HE20	MCS0	2Tx	60	5300	Full/RU	16.84	16.35	19.61	23.98		-2.2		30	Pass
HE20	MCS0	2Tx	60	5300	26RU/4	10.01	8.34	12.27	23.98		-2.2		30	Pass
HE20	MCS0	2Tx	60	5300	52RU/38	11.45	9.77	13.7	23.98		-2.2		30	Pass
HE20	MCS0	2Tx	60	5300	106RU/53	14.31	13.46	16.92	23.98		-2.2		30	Pass
HE20	MCS0	2Tx	64	5320	Full/RU	14.99	14.07	17.56	23.98		-2.2		30	Pass
HE20	MCS0	2Tx	64	5320	26RU/8	5.79	4.61	8.25	23.98		-2.2		30	Pass
HE20	MCS0	2Tx	64	5320	52RU/40	9.76	8.47	12.17	23.98		-2.2		30	Pass
HE20	MCS0	2Tx	64	5320	106RU/54	11.47	10.19	13.89	23.98		-2.2		30	Pass
HE40	MCS0	2Tx	54	5270	Full/RU	16.42	15.79	19.13	23.98		-2.2		30	Pass
HE40	MCS0	2Tx	62	5310	Full/RU	12.67	12.69	15.69	23.98		-2.2		30	Pass
HE80	MCS0	2Tx	58	5290	Full/RU	12.70	11.62	15.20	23.98		-2.2		30	Pass

Power Spectral Density

FCC U-NII-2A MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant4	Ant3	Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3	
HE20	MCS0	2	52	5260	Full	0.03	0.03			10.19	11.0		-0.09		Pass
HE20	MCS0	2	52	5260	26/0	0.02	0.03			10.17	11.0		-0.09		Pass
HE20	MCS0	2	52	5260	52/37	0.02	0.03			10.12	11.0		-0.09		Pass
HE20	MCS0	2	52	5260	106/53	0.03	0.03			10.01	11.0		-0.09		Pass
HE20	MCS0	2	60	5300	Full	0.03	0.02			8.65	11.0		-0.09		Pass
HE20	MCS0	2	60	5300	26/4	0.02	0.03			8.29	11.0		-0.09		Pass
HE20	MCS0	2	60	5300	52/38	0.02	0.03			7.81	11.0		-0.09		Pass
HE20	MCS0	2	60	5300	106/53	0.03	0.03			7.77	11.0		-0.09		Pass
HE20	MCS0	2	64	5320	Full	0.03	0.02			6.49	11.0		-0.09		Pass
HE20	MCS0	2	64	5320	26/8	0.02	0.03			5.49	11.0		-0.09		Pass
HE20	MCS0	2	64	5320	52/40	0.02	0.03			6.4	11.0		-0.09		Pass
HE20	MCS0	2	64	5320	106/54	0.03	0.03			4.98	11.0		-0.09		Pass
HE40	MCS0	2	54	5270	Full	0.06	0.06			5.48	11.0		-0.09		Pass
HE40	MCS0	2	62	5310	Full	0.06	0.05			1.86	11.0		-0.09		Pass
HE80	MCS0	2	58	5290	Full	0.12	0.1			-0.88	11.0		-0.09		Pass

26dB and 99% OBW

U-NII-2C MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3
HE20	MCS0	2	100	5500	Full	19.28	19.17	28.45	23.94	23.83		29.83		23.98		-	-
HE20	MCS0	2	116	5580	Full	36.98	31.52	64.96	51.57	23.98		30		23.98		-	-
HE20	MCS0	2	136	5680	Full	22.45	20.93	43.39	39.72	23.98		30		23.98		-	-
HE20	MCS0	2	140	5700	Full	19.14	19.09	22.2	23.1	23.81		29.81		23.98		-	-
HE40	MCS0	2	102	5510	Full	37.85	37.81	43.36	41.89	23.98		30		23.98		-	-
HE40	MCS0	2	110	5550	Full	52.92	45.58	93.84	85.23	23.98		30		23.98		-	-
HE40	MCS0	2	134	5670	Full	38.29	38.18	65.09	66.3	23.98		30		23.98		-	-
HE80	MCS0	2	106	5530	Full	76.92	76.87	81.5	81.57	23.98		30		23.98		-	-
HE80	MCS0	2	122	5610	Full	77.7	77.44	142.94	132.83	23.98		30		23.98		-	-

U-NII-2C straddle channel MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3
HE20	MCS0	2	144	5720	Full	22.46	20.08	35.02	29.24	23.98		23.01		23.98		4.14	3.78
HE40	MCS0	2	142	5710	Full	51.02	47.99	70.49	69.69	23.98		23.01		23.98		3.78	3.03
HE80	MCS0	2	138	5690	Full	74.44	74.0	116.12	114.3	23.98		23.01		23.98		2.6	2.57
6dB Bandwidth Limit ≧ 500kHz																Pass	

Average Output Power

U-NII-2C MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass /Fail
						Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3		
HE20	MCS0	2Tx	100	5500	Full/RU	15.25	14.32	17.82	23.98		-3.5		30	Pass
HE20	MCS0	2Tx	100	5500	26RU/0	7.36	5.54	9.55	23.98		-3.5		30	Pass
HE20	MCS0	2Tx	100	5500	52RU/37	10.44	8.36	12.53	23.98		-3.5		30	Pass
HE20	MCS0	2Tx	100	5500	106RU/53	13.2	12.07	15.68	23.98		-3.5		30	Pass
HE20	MCS0	2Tx	116	5580	Full/RU	18.96	18.10	21.56	23.98		-3.5		30	Pass
HE20	MCS0	2Tx	116	5580	26RU/4	11.73	10.09	14	23.98		-3.5		30	Pass
HE20	MCS0	2Tx	116	5580	52RU/38	13.97	12.9	16.48	23.98		-3.5		30	Pass
HE20	MCS0	2Tx	116	5580	106RU/53	16.96	16.14	19.58	23.98		-3.5		30	Pass
HE20	MCS0	2Tx	136	5680	Full/RU	17.00	16.80	19.91	23.98		-3.5		30	Pass
HE20	MCS0	2Tx	136	5680	26RU/8	9.54	8.19	11.93	23.98		-3.5		30	Pass
HE20	MCS0	2Tx	136	5680	52RU/40	12.36	12.25	15.32	23.98		-3.5		30	Pass
HE20	MCS0	2Tx	136	5680	106RU/54	15.57	15.02	18.31	23.98		-3.5		30	Pass
HE20	MCS0	2Tx	140	5700	Full/RU	14.07	13.4	16.76	23.98		-3.5		30	Pass
HE20	MCS0	2Tx	140	5700	26RU/8	5.91	4.2	8.15	23.98		-3.5		30	Pass
HE20	MCS0	2Tx	140	5700	52RU/40	8.51	6.73	10.72	23.98		-3.5		30	Pass
HE20	MCS0	2Tx	140	5700	106RU/54	10.81	9.14	13.07	23.98		-3.5		30	Pass
HE40	MCS0	2Tx	102	5510	Full/RU	14.24	13.16	16.74	23.98		-3.5		30	Pass
HE40	MCS0	2Tx	110	5550	Full/RU	18	16.83	20.46	23.98		-3.5		30	Pass
HE40	MCS0	2Tx	134	5670	Full/RU	16.14	15.36	18.78	23.98		-3.5		30	Pass
HE80	MCS0	2Tx	106	5530	Full/RU	12.80	11.92	15.39	23.98		-3.5		30	Pass
HE80	MCS0	2Tx	122	5610	Full/RU	17.13	16.2	19.7	23.98		-3.5		30	Pass

U-NII-2C straddle channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass /Fail
						Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3		
HE20	MCS0	2Tx	144	5720	Full/RU	18.92	18.09	21.54	23.98		-3.5		30	Pass
HE20	MCS0	2Tx	144	5720	26RU/8	10.8	9.22	13.09	23.98		-3.5		30	Pass
HE20	MCS0	2Tx	144	5720	52RU/40	13.66	13.09	16.39	23.98		-3.5		30	Pass
HE20	MCS0	2Tx	144	5720	106RU/54	16.69	16.23	19.48	23.98		-3.5		30	Pass
HE40	MCS0	2Tx	142	5710	Full/RU	19.00	18.28	21.67	23.98		-3.5		30	Pass
HE80	MCS0	2Tx	138	5690	Full/RU	17.95	16.96	20.49	23.98		-3.5		30	Pass

Power Spectral Density

U-NII-2C MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant4	Ant3	Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3	
HE20	MCS0	2	100	5500	Full	0.03	0.03			6.95	11.0		-0.88		Pass
HE20	MCS0	2	100	5500	26/0	0.02	0.03			6.63	11.0		-0.88		Pass
HE20	MCS0	2	100	5500	52/37	0.02	0.03			6.66	11.0		-0.88		Pass
HE20	MCS0	2	100	5500	106/53	0.03	0.03			6.52	11.0		-0.88		Pass
HE20	MCS0	2	116	5580	Full	0.03	0.03			10.49	11.0		-0.88		Pass
HE20	MCS0	2	116	5580	26/4	0.02	0.03			9.94	11.0		-0.88		Pass
HE20	MCS0	2	116	5580	52/38	0.02	0.03			10.41	11.0		-0.88		Pass
HE20	MCS0	2	116	5580	106/53	0.03	0.03			10.46	11.0		-0.88		Pass
HE20	MCS0	2	136	5680	Full	0.03	0.03			8.99	11.0		-0.88		Pass
HE20	MCS0	2	136	5680	26/8	0.02	0.03			8.99	11.0		-0.88		Pass
HE20	MCS0	2	136	5680	52/40	0.02	0.03			8.96	11.0		-0.88		Pass
HE20	MCS0	2	136	5680	106/54	0.03	0.03			8.87	11.0		-0.88		Pass
HE20	MCS0	2	140	5700	Full	0.03	0.03			5.45	11.0		-0.88		Pass
HE20	MCS0	2	140	5700	26/8	0.02	0.03			5.31	11.0		-0.88		Pass
HE20	MCS0	2	140	5700	52/40	0.02	0.03			4.88	11.0		-0.88		Pass
HE20	MCS0	2	140	5700	106/54	0.03	0.03			4.09	11.0		-0.88		Pass
HE40	MCS0	2	102	5510	Full	0.06	0.06			2.76	11.0		-0.88		Pass
HE40	MCS0	2	110	5550	Full	0.06	0.06			6.5	11.0		-0.88		Pass
HE40	MCS0	2	134	5670	Full	0.05	0.06			4.7	11.0		-0.88		Pass
HE80	MCS0	2	106	5530	Full	0.1	0.12			-1.26	11.0		-0.88		Pass
HE80	MCS0	2	122	5610	Full	0.12	0.12			2.8	11.0		-0.88		Pass

U-NII-2C straddle channel MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant4	Ant3	Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3	
HE20	MCS0	2	144	5720	Full	0.03	0.03			10.55	11.0		-0.88		Pass
HE20	MCS0	2	144	5720	26/8	0.02	0.03			10.25	11.0		-0.88		Pass
HE20	MCS0	2	144	5720	52/40	0.02	0.03			10.35	11.0		-0.88		Pass
HE20	MCS0	2	144	5720	106/54	0.03	0.03			10.47	11.0		-0.88		Pass
HE40	MCS0	2	142	5710	Full	0.06	0.06			7.65	11.0		-0.88		Pass
HE80	MCS0	2	138	5690	Full	0.12	0.12			3.69	11.0		-0.88		Pass

<For Band 4>

Test Result

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
					Ant4	Ant3	Ant4	Ant3	Ant4	Ant3		
11a	6M	2	149	5745	33.33	35.68	53.02	55.71	16.3	16.33	0.5	Pass
11a	6M	2	157	5785	32.23	35.72	55.13	54.36	16.08	16.36	0.5	Pass
11a	6M	2	165	5825	32.31	35.91	50.43	54.63	16.3	16.3	0.5	Pass

Average Output Power

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass /Fail
					Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3	
11a	6M	2Tx	149	5745	18.94	18.43	21.70	30		-0.1		Pass
11a	6M	2Tx	157	5785	18.93	18.10	21.55	30		-0.1		Pass
11a	6M	2Tx	165	5825	18.84	18.35	21.61	30		-0.1		Pass
HT20	MCS0	2Tx	149	5745	18.95	18.41	21.70	30		-0.1		Pass
HT20	MCS0	2Tx	157	5785	18.87	18.17	21.54	30		-0.1		Pass
HT20	MCS0	2Tx	165	5825	18.94	18.45	21.71	30		-0.1		Pass
HT40	MCS0	2Tx	151	5755	18.98	18.32	21.67	30		-0.1		Pass
HT40	MCS0	2Tx	159	5795	18.85	17.99	21.45	30		-0.1		Pass
VHT20	MCS0	2Tx	149	5745	18.98	18.46	21.74	30		-0.1		Pass
VHT20	MCS0	2Tx	157	5785	18.92	18.23	21.60	30		-0.1		Pass
VHT20	MCS0	2Tx	165	5825	18.99	18.49	21.76	30		-0.1		Pass
VHT40	MCS0	2Tx	151	5755	18.99	18.40	21.72	30		-0.1		Pass
VHT40	MCS0	2Tx	159	5795	18.88	18.00	21.47	30		-0.1		Pass
VHT80	MCS0	2Tx	155	5775	17.34	17.57	20.47	30		-0.1		Pass

Power Spectral Density

U-NII-3 MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor(dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3	
11a	6M	2	149	5745	0.02	0.02	2.22		5.92	4.43	8.93	30.0		1.42		Pass
11a	6M	2	157	5785	0.02	0.02	2.22		5.65	4.17	8.66	30.0		1.42		Pass
11a	6M	2	165	5825	0.02	0.02	2.22		5.79	4.35	8.8	30.0		1.42		Pass

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
						Ant4	Ant3	Ant4	Ant3	Ant4	Ant3		
HE20	MCS0	2	149	5745	Full	33.65	38.56	53	63.01	18.56	17.94	0.5	Pass
HE20	MCS0	2	157	5785	Full	32.79	38.69	56.1	61.72	18.48	17.87	0.5	Pass
HE20	MCS0	2	165	5825	Full	32.79	38.59	52.53	61.99	18.69	18.25	0.5	Pass
HE40	MCS0	2	151	5755	Full	72.5	73.82	114.34	112.9	37.34	37.26	0.5	Pass
HE40	MCS0	2	159	5795	Full	69.81	72.74	114.91	111.9	37.1	35.75	0.5	Pass
HE80	MCS0	2	155	5775	Full	78.52	84.15	177.66	195.81	75.17	75.15	0.5	Pass

Average Output Power

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
						Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3	
HE20	MCS0	2Tx	149	5745	Full/RU	18.92	18.69	21.82	30		-0.1		Pass
HE20	MCS0	2Tx	149	5745	26RU/0	10.46	9.64	13.08	30		-0.1		Pass
HE20	MCS0	2Tx	149	5745	52RU/37	12.54	13.21	15.9	30		-0.1		Pass
HE20	MCS0	2Tx	149	5745	106RU/53	15.91	16.11	19.02	30		-0.1		Pass
HE20	MCS0	2Tx	157	5785	Full/RU	18.94	18.39	21.68	30		-0.1		Pass
HE20	MCS0	2Tx	157	5785	26RU/4	10.34	9.88	13.13	30		-0.1		Pass
HE20	MCS0	2Tx	157	5785	52RU/38	12.49	13.21	15.88	30		-0.1		Pass
HE20	MCS0	2Tx	157	5785	106RU/53	16	15.97	19	30		-0.1		Pass
HE20	MCS0	2Tx	165	5825	Full/RU	18.93	18.71	21.83	30		-0.1		Pass
HE20	MCS0	2Tx	165	5825	26RU/8	10.56	9.94	13.27	30		-0.1		Pass
HE20	MCS0	2Tx	165	5825	52RU/40	12.83	13.37	16.12	30		-0.1		Pass
HE20	MCS0	2Tx	165	5825	106RU/54	16.32	16.4	19.37	30		-0.1		Pass
HE40	MCS0	2Tx	151	5755	Full/RU	18.90	18.27	21.61	30		-0.1		Pass
HE40	MCS0	2Tx	159	5795	Full/RU	18.90	18.02	21.49	30		-0.1		Pass
HE80	MCS0	2Tx	155	5775	Full/RU	17.57	17.59	20.59	30		-0.1		Pass

Power Spectral Density

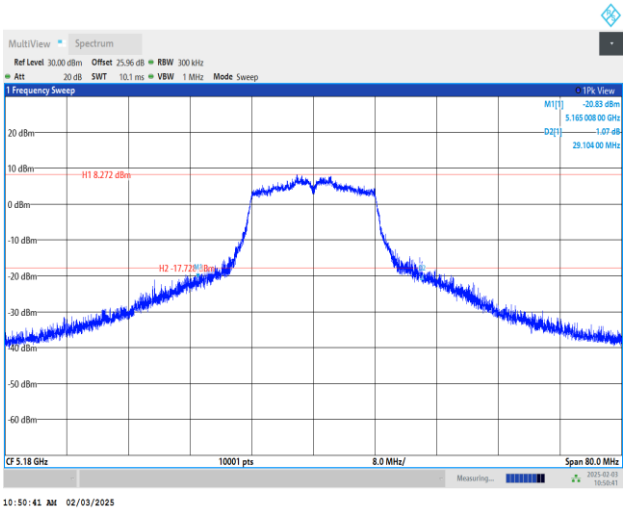
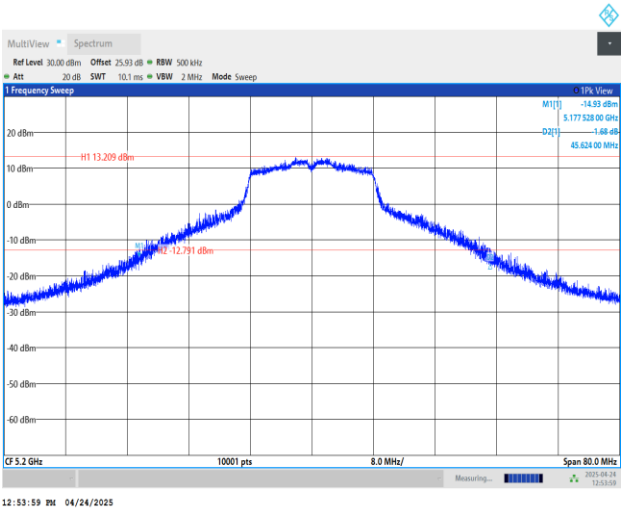
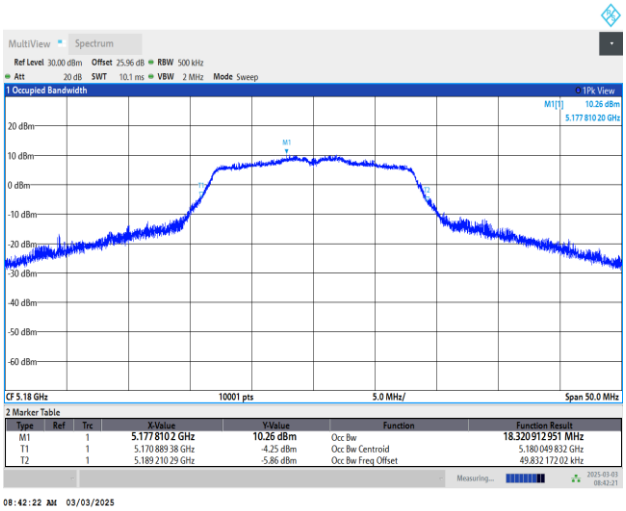
U-NII-3 MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		10log (500kHz /RBW) Factor(dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3	
HE20	MCS0	2	149	5745	Full	0.03	0.03	2.22		5.2	4.02	8.21	30.0		1.42		Pass
HE20	MCS0	2	149	5745	26/0	0.02	0.03	2.22		4.87	3.56	7.88	30.0		1.42		Pass
HE20	MCS0	2	149	5745	52/37	0.02	0.03	2.22		3.91	3.9	6.92	30.0		1.42		Pass
HE20	MCS0	2	149	5745	106/53	0.03	0.03	2.22		3.93	3.84	6.94	30.0		1.42		Pass
HE20	MCS0	2	157	5785	Full	0.03	0.03	2.22		4.94	3.8	7.95	30.0		1.42		Pass
HE20	MCS0	2	157	5785	26/4	0.02	0.03	2.22		4.49	3.68	7.5	30.0		1.42		Pass
HE20	MCS0	2	157	5785	52/38	0.02	0.03	2.22		3.62	3.79	6.8	30.0		1.42		Pass
HE20	MCS0	2	157	5785	106/53	0.03	0.03	2.22		4.06	3.76	7.07	30.0		1.42		Pass
HE20	MCS0	2	165	5825	Full	0.02	0.02	2.22		5.22	4.08	8.23	30.0		1.42		Pass
HE20	MCS0	2	165	5825	26/8	0.02	0.03	2.22		5.03	3.91	8.04	30.0		1.42		Pass
HE20	MCS0	2	165	5825	52/40	0.02	0.03	2.22		3.82	4.0	7.01	30.0		1.42		Pass
HE20	MCS0	2	165	5825	106/54	0.03	0.03	2.22		4.33	3.96	7.34	30.0		1.42		Pass
HE40	MCS0	2	151	5755	Full	0.06	0.06	2.22		2.38	0.96	5.39	30.0		1.42		Pass
HE40	MCS0	2	159	5795	Full	0.06	0.06	2.22		2.31	0.85	5.32	30.0		1.42		Pass
HE80	MCS0	2	155	5775	Full	0.12	0.12	2.22		-2.03	-2.4	0.98	30.0		1.42		Pass

<For Band 1-3>

Test Result of 26dB & 99% Occupied Bandwidth

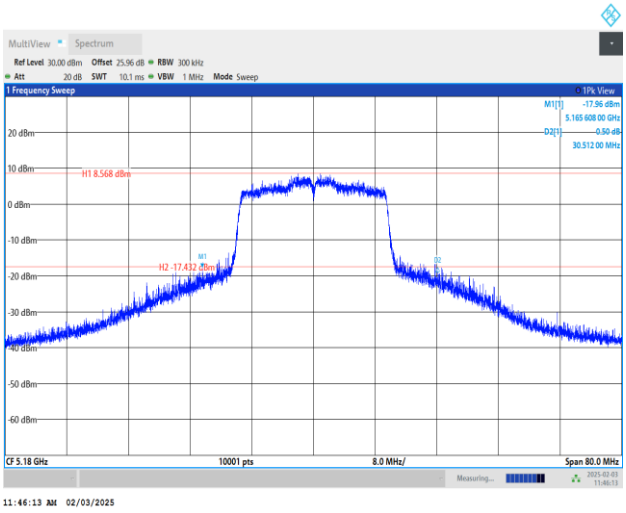
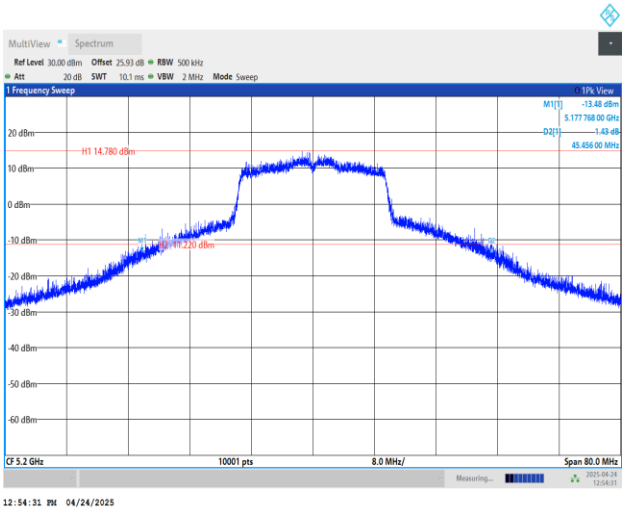
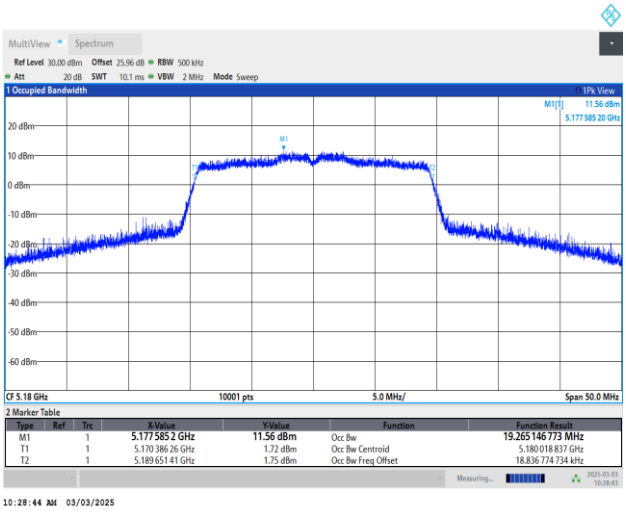
MIMO <Ant. 4+3>

<802.11a>

26dB Bandwidth (RBW=300kHz)	26dB Bandwidth (RBW=500kHz)
	
99% Occupied Bandwidth	**NA**
	

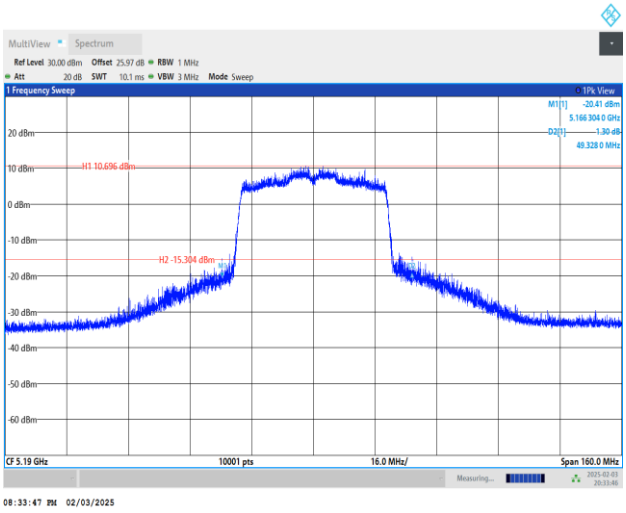
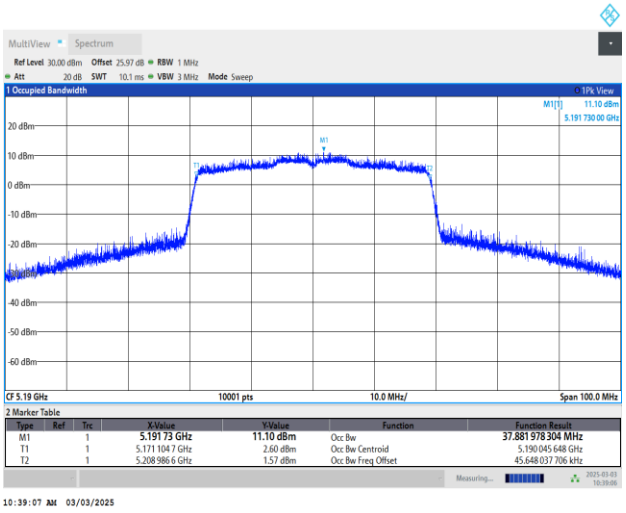
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

26dB Bandwidth (RBW=300kHz)	26dB Bandwidth (RBW=500kHz)
	
99% Occupied Bandwidth	**NA**
	

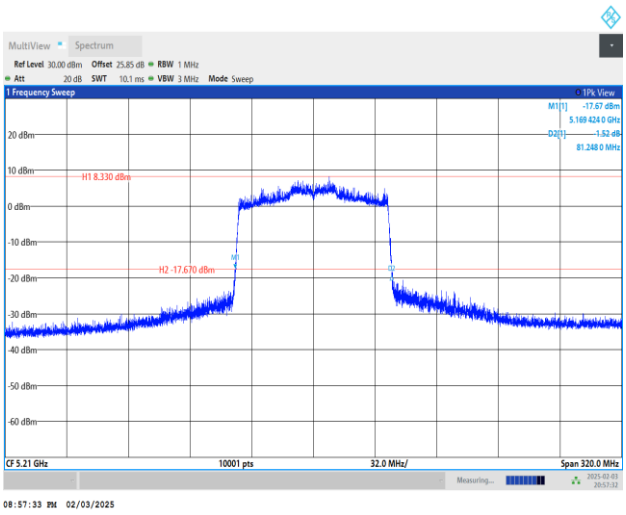
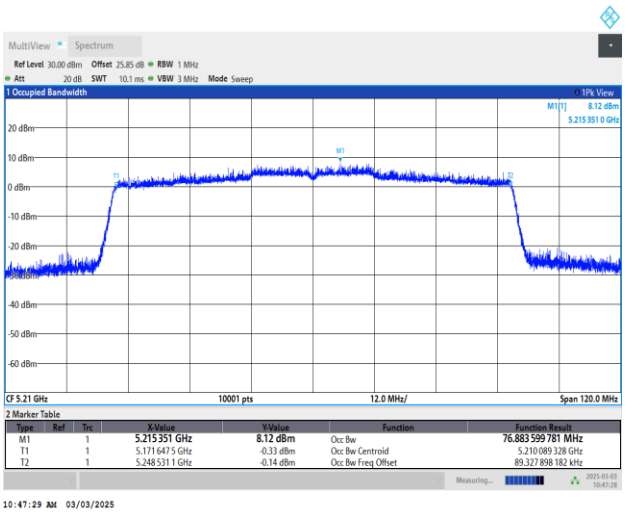
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

26dB Bandwidth	99% Occupied Bandwidth
	

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

<802.11ax HE80>

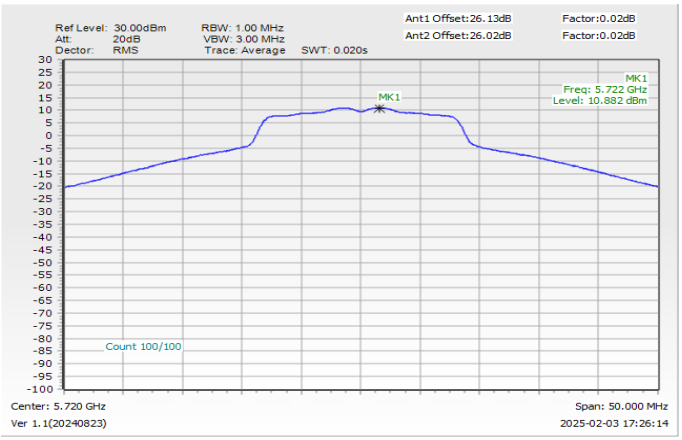
26dB Bandwidth	99% Occupied Bandwidth
	

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

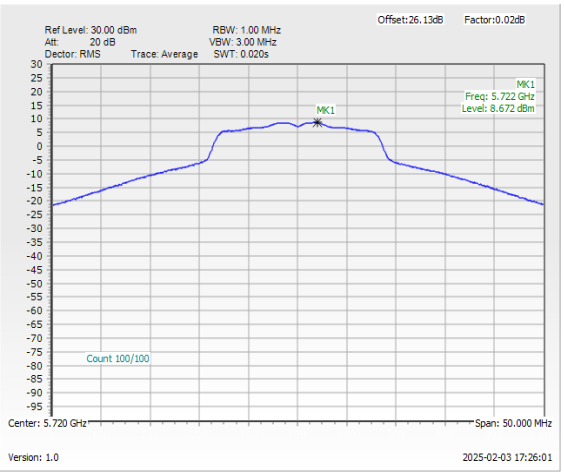
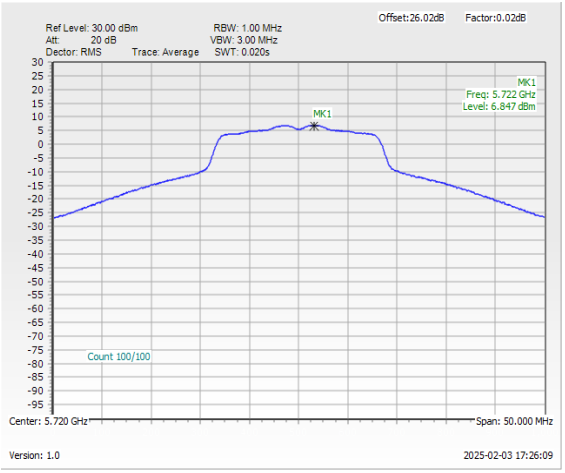
Test Result of Power Spectral Density

<802.11a>

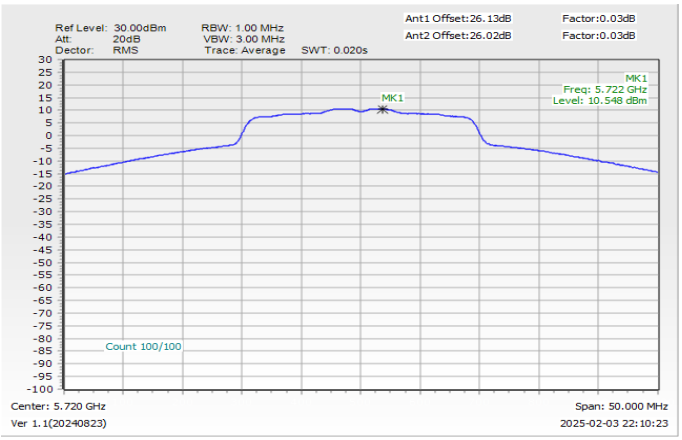
Maximum Power Density Plot (dBm/MHz)



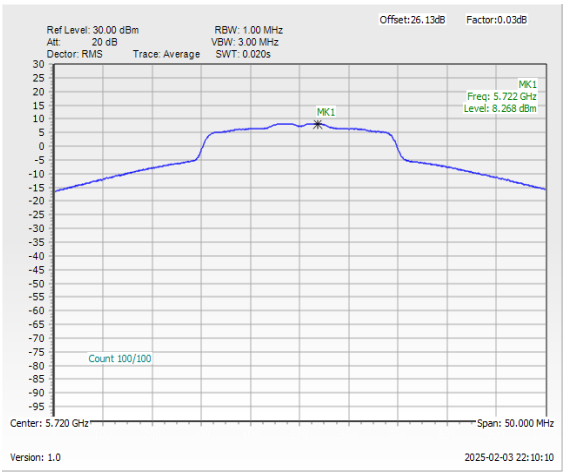
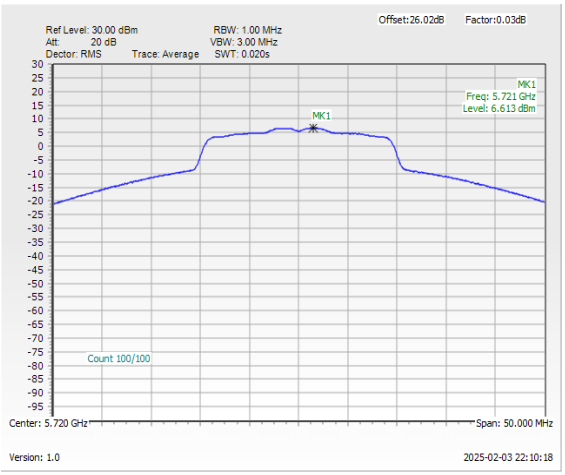
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 4)	Maximum Power Density Plot Trace 2 (Ant 3)
	

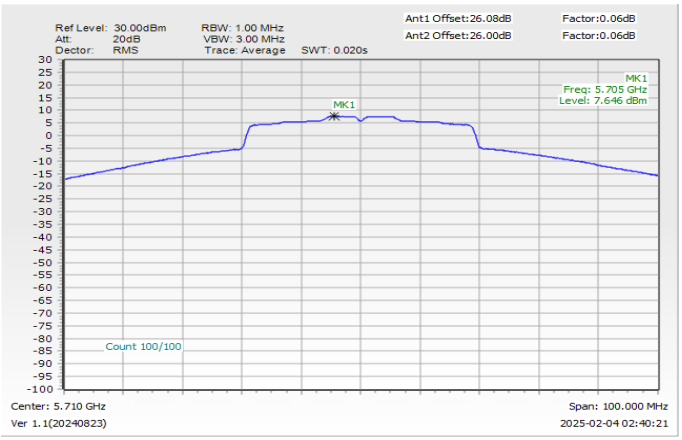
<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)


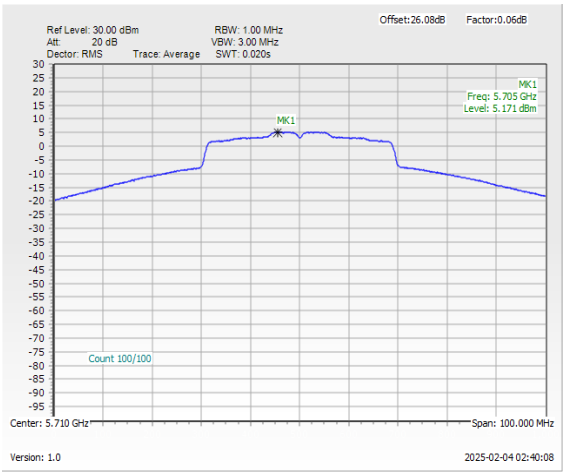
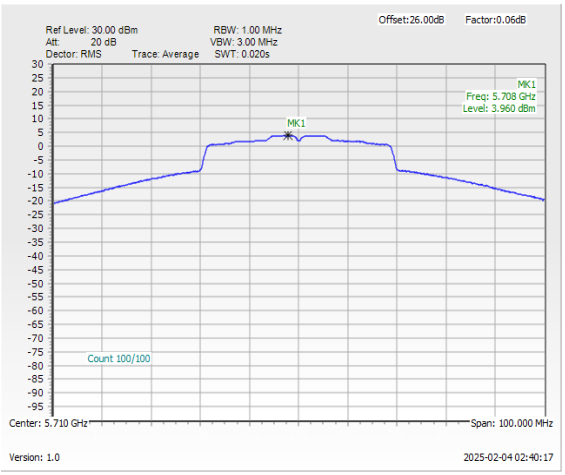
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 4)	Maximum Power Density Plot Trace 2 (Ant 3)
	

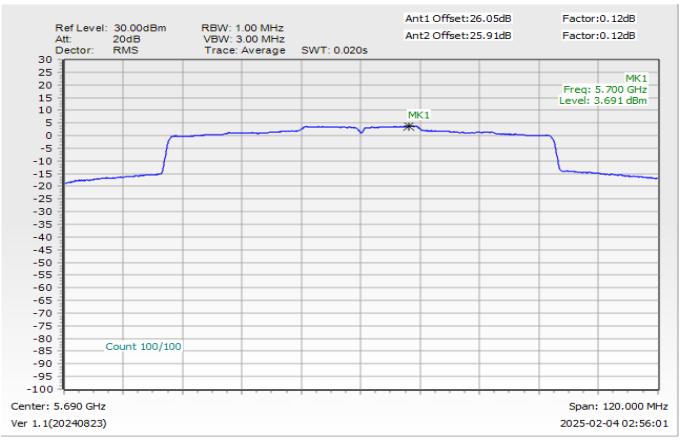
<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)


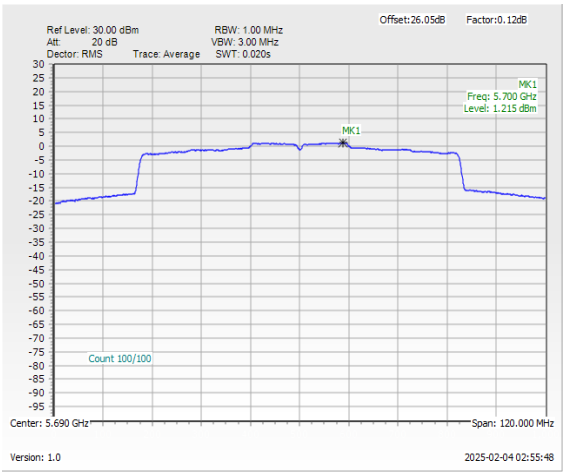
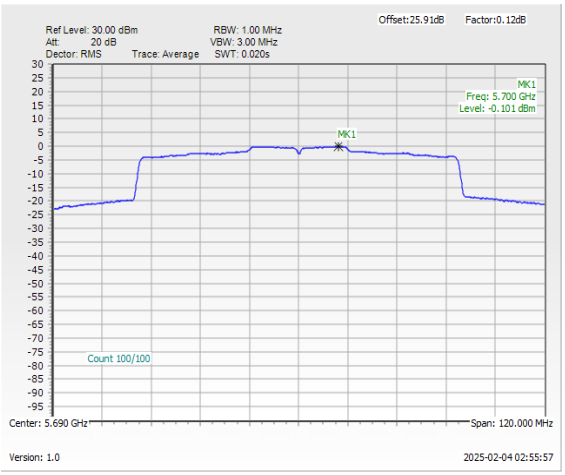
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 4)	Maximum Power Density Plot Trace 2 (Ant 3)
	

<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

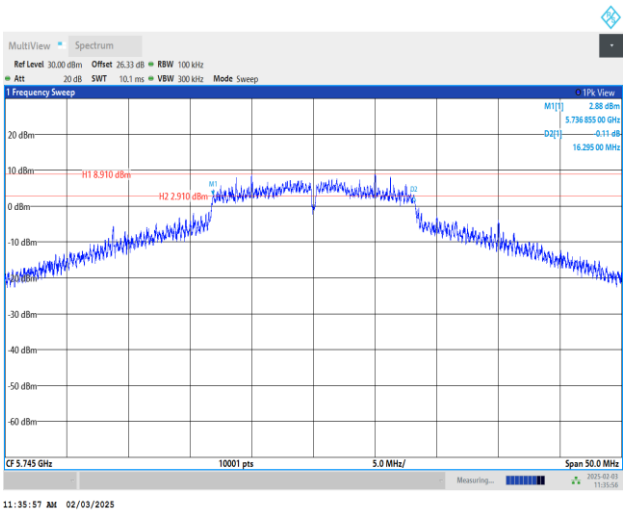
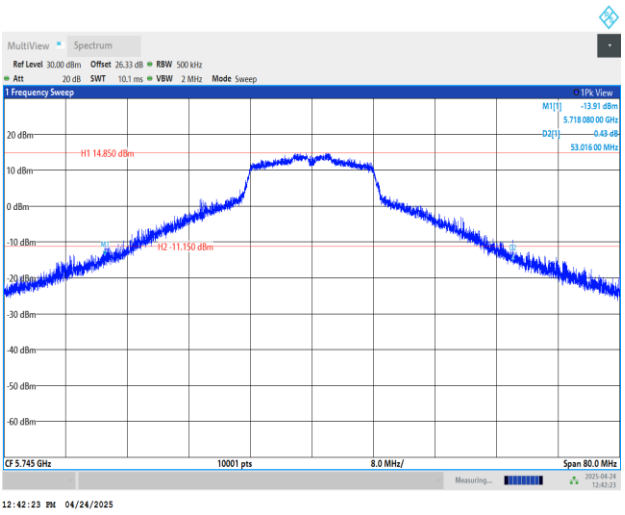
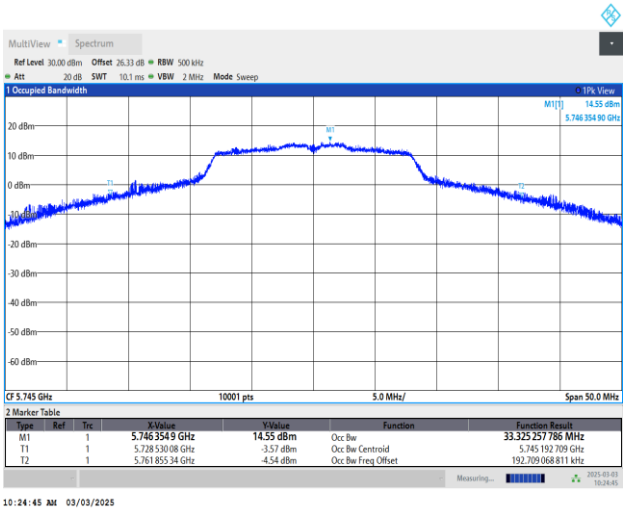
Maximum Power Density Plot Trace 1 (Ant 4)	Maximum Power Density Plot Trace 2 (Ant 3)
	

<For Band 4>

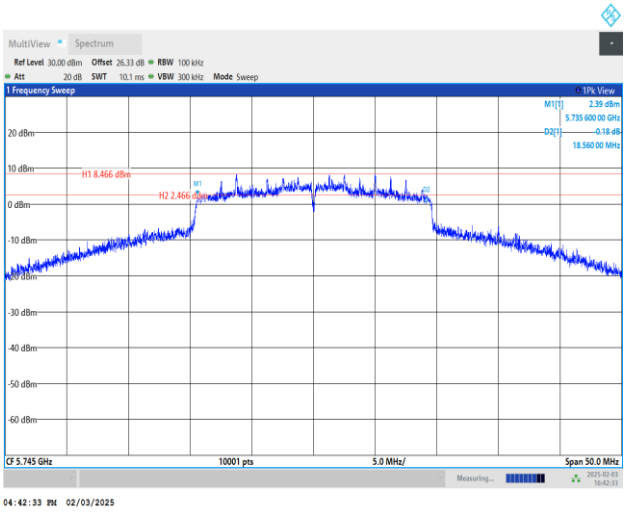
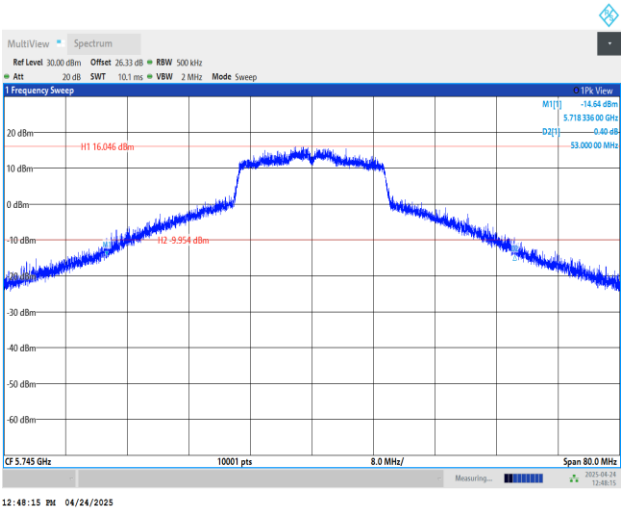
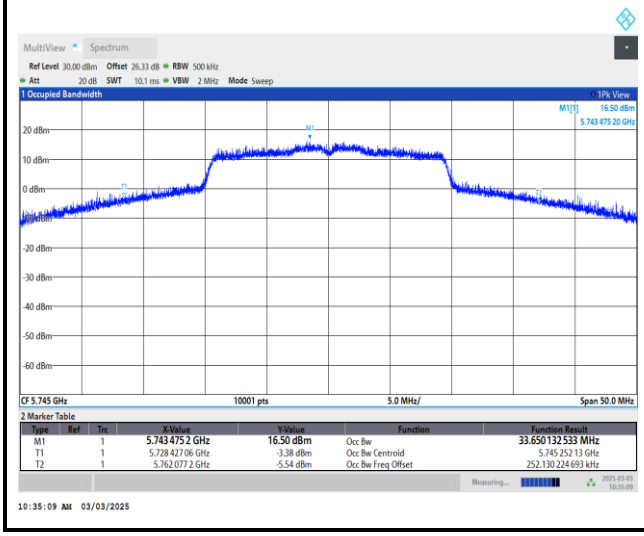
Test Result of 6dB and 26dB and 99% Occupied Bandwidth

MIMO <Ant. 4+3>

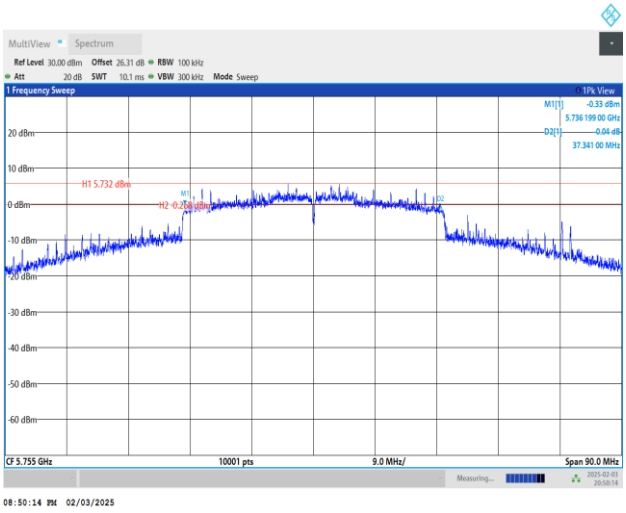
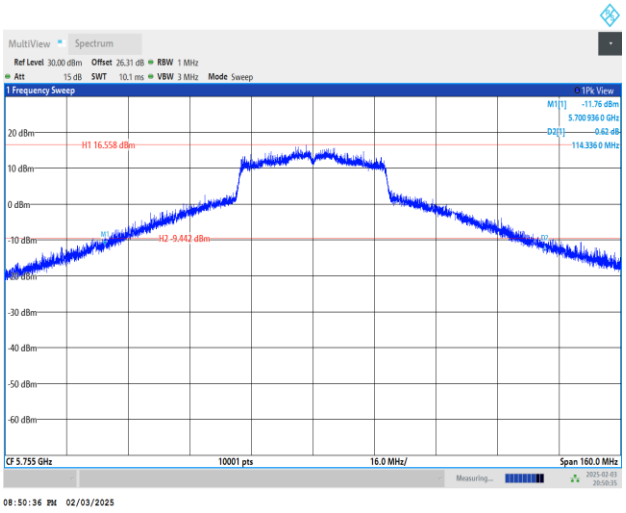
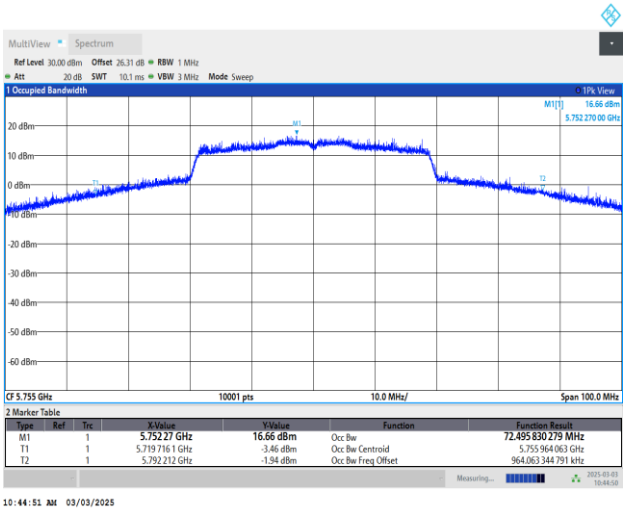
<802.11a>

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

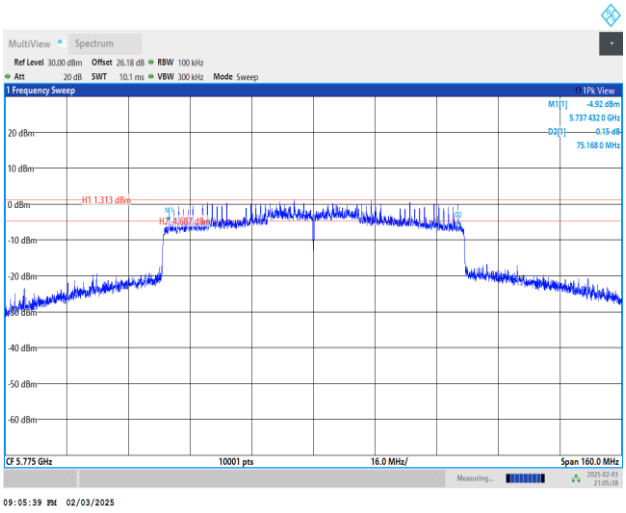
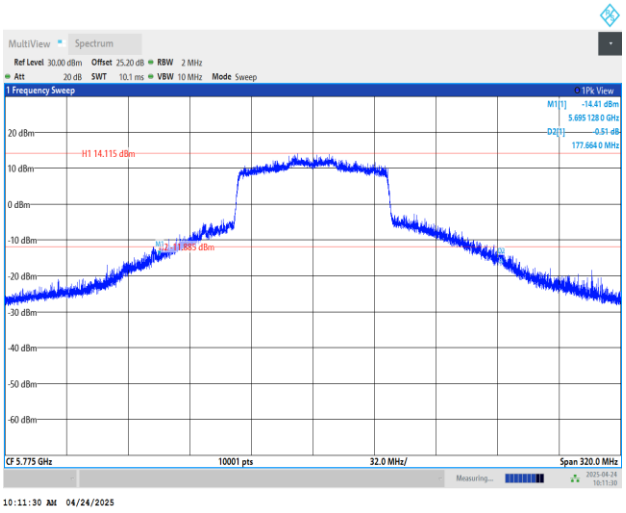
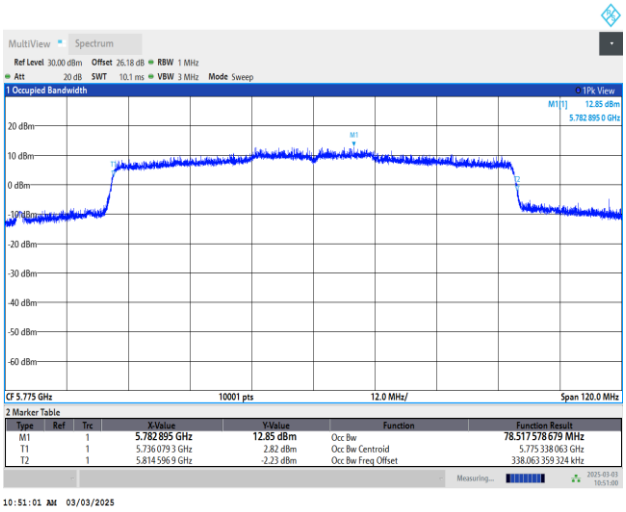
<802.11ax HE20>

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

<802.11ax HE40>

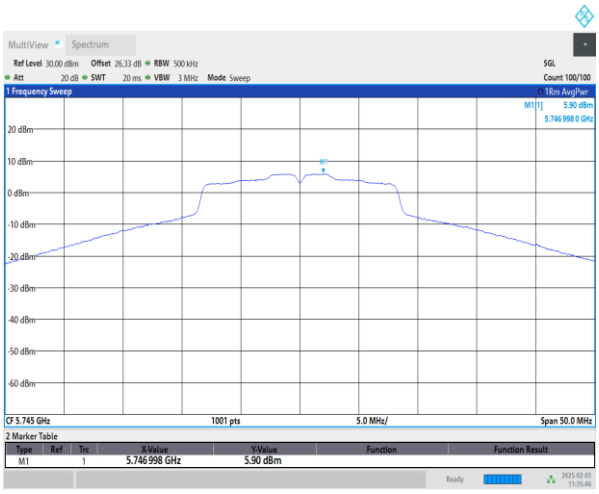
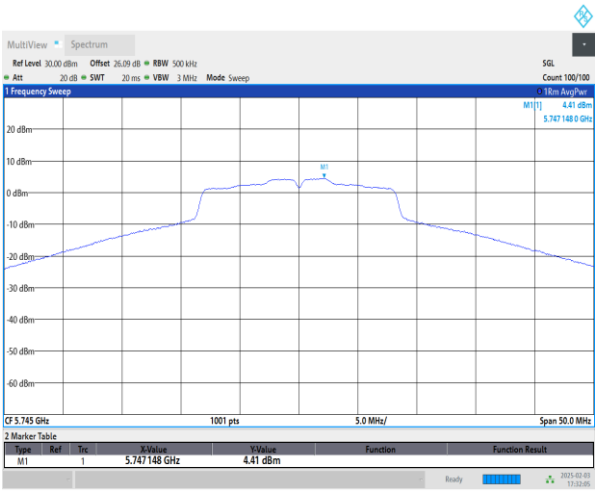
6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

<802.11ax HE80>

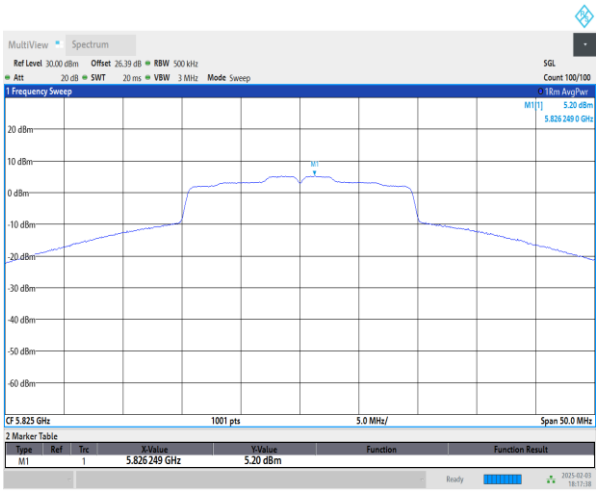
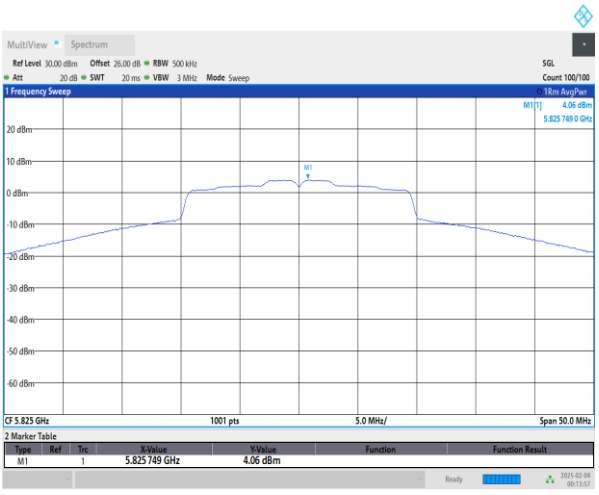
6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

Test Result of Power Spectral Density

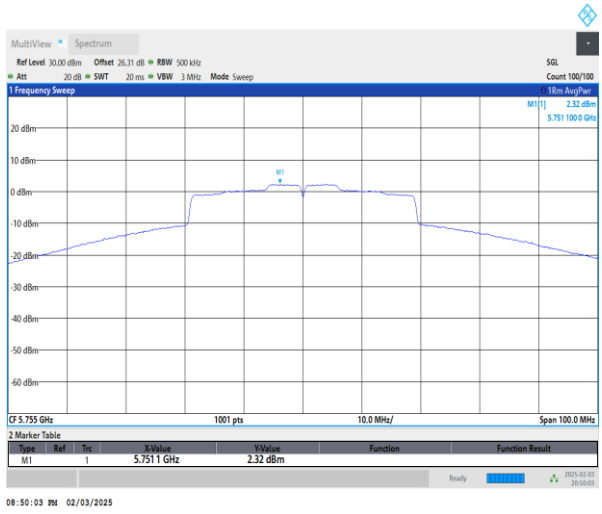
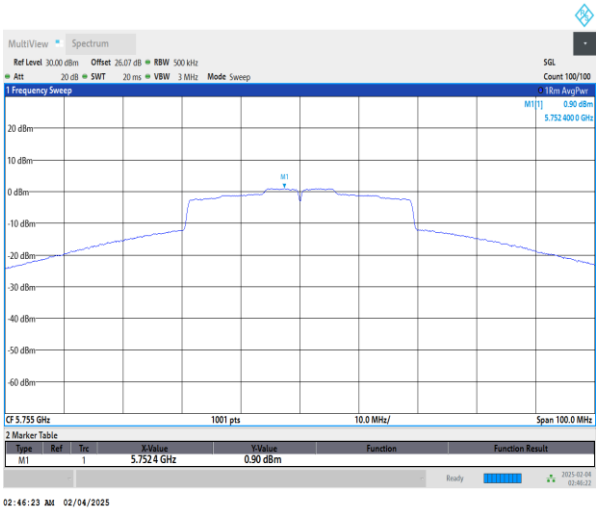
<802.11a>

Maximum Power Density Plot (dBm/500kHz)	
MIMO Ant. 4	MIMO Ant. 3
	

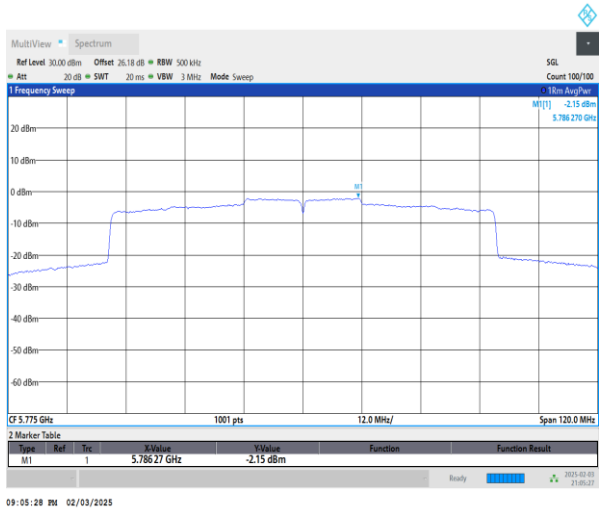
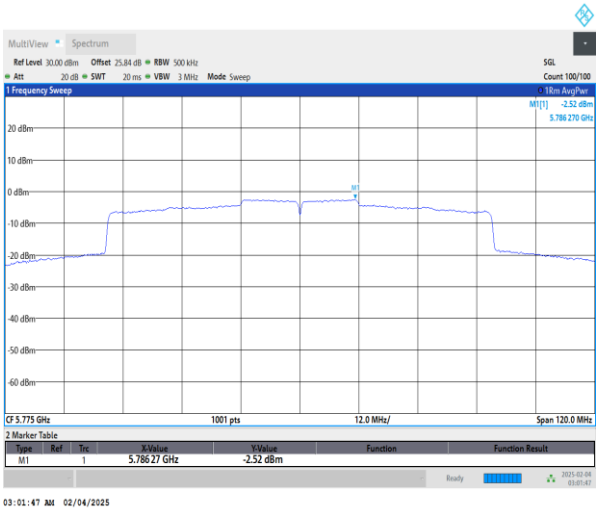
<802.11ax HE20>

Maximum Power Density Plot (dBm/500kHz)	
MIMO Ant. 4	MIMO Ant. 3
	

<802.11ax HE40>

Maximum Power Density Plot (dBm/500kHz)	
MIMO Ant. 4	MIMO Ant. 3
	

<802.11ax HE80>

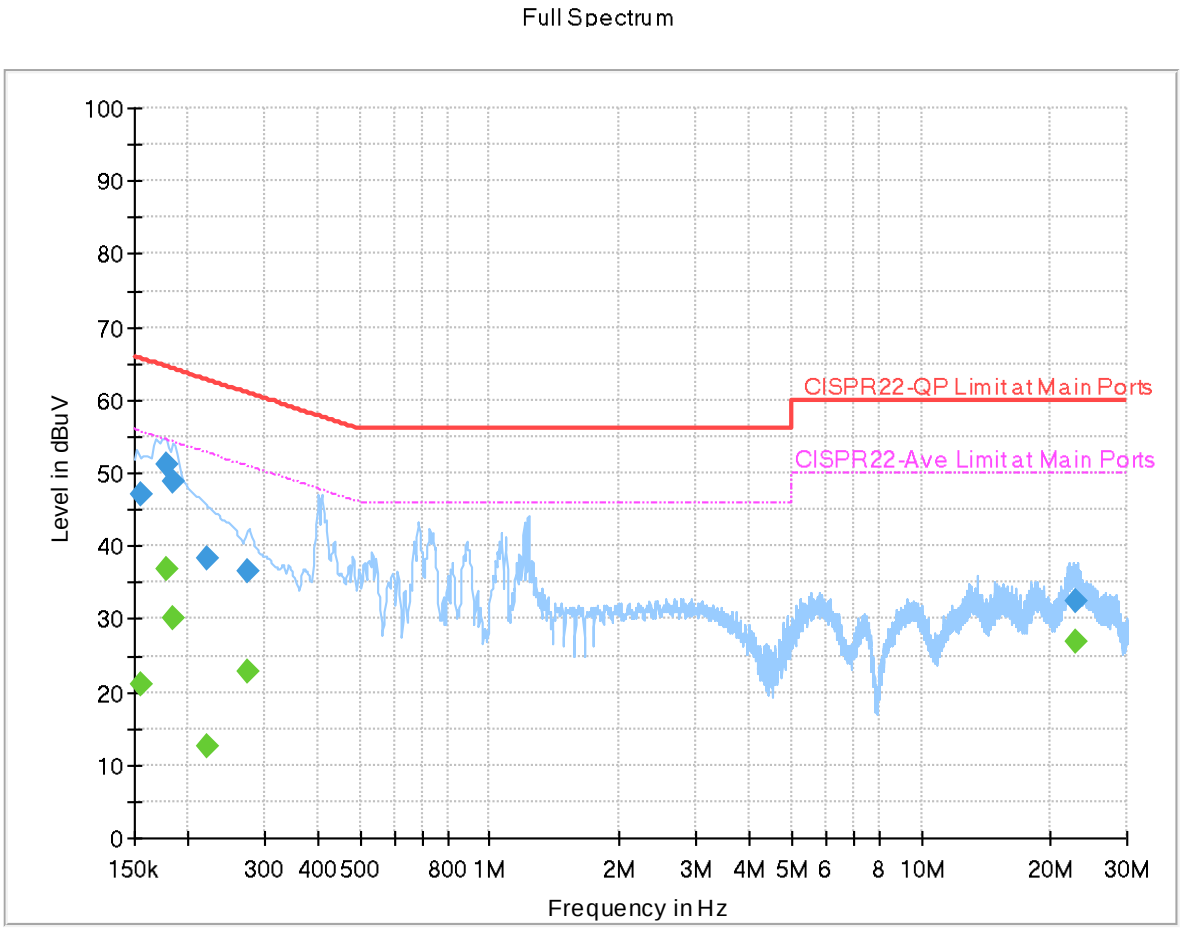
Maximum Power Density Plot (dBm/500kHz)	
MIMO Ant. 4	MIMO Ant. 3
	

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	16.1~22.7℃
		Relative Humidity :	45.9~48.9%

EUT Information

Report NO :	4N0919
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

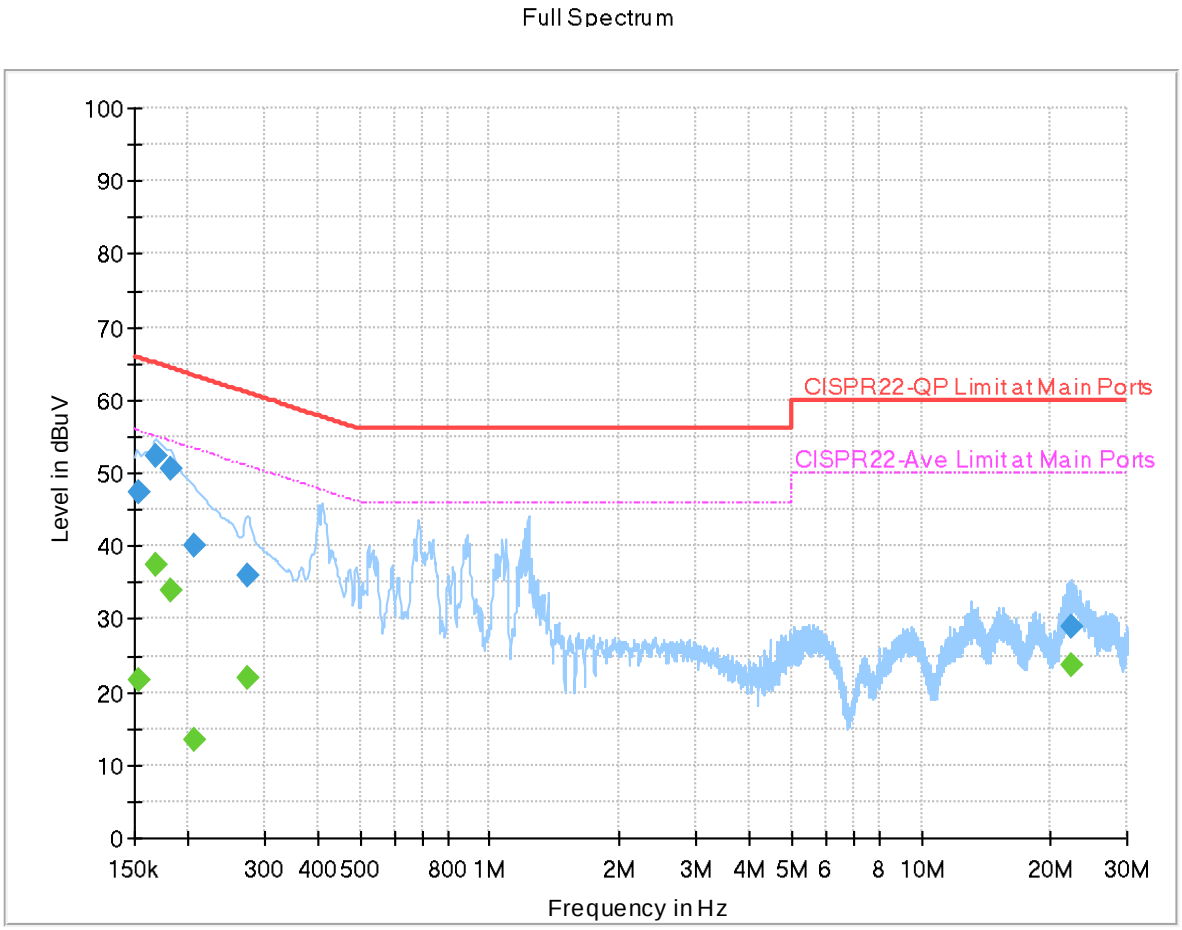


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154500	---	21.12	55.75	34.63	L1	OFF	19.8
0.154500	47.17	---	65.75	18.58	L1	OFF	19.8
0.177000	---	36.87	54.63	17.76	L1	OFF	19.8
0.177000	51.08	---	64.63	13.55	L1	OFF	19.8
0.183750	---	30.11	54.31	24.20	L1	OFF	19.8
0.183750	48.85	---	64.31	15.46	L1	OFF	19.8
0.222000	---	12.66	52.74	40.08	L1	OFF	19.8
0.222000	38.43	---	62.74	24.31	L1	OFF	19.8
0.273750	---	22.87	51.00	28.13	L1	OFF	19.8
0.273750	36.51	---	61.00	24.49	L1	OFF	19.8
22.899750	---	27.01	50.00	22.99	L1	OFF	20.7
22.899750	32.39	---	60.00	27.61	L1	OFF	20.7

EUT Information

Report NO :	4N0919
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.153420	47.40	---	65.81	18.41	N	OFF	19.8
0.153420	---	21.52	55.81	34.29	N	OFF	19.8
0.168765	52.28	---	65.02	12.74	N	OFF	19.8
0.168765	---	37.41	55.02	17.61	N	OFF	19.8
0.181860	50.54	---	64.40	13.86	N	OFF	19.8
0.181860	---	34.00	54.40	20.40	N	OFF	19.8
0.206250	40.10	---	63.36	23.26	N	OFF	19.8
0.206250	---	13.39	53.36	39.97	N	OFF	19.8
0.275775	36.07	---	60.94	24.87	N	OFF	19.8
0.275775	---	21.88	50.94	29.06	N	OFF	19.8
22.351920	29.04	---	60.00	30.96	N	OFF	20.8
22.351920	---	23.62	50.00	26.38	N	OFF	20.8

Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	John Chuang, David Dai and Sam Chou	**Temperature :**	19.4~22.3°C
		Relative Humidity :	65~69.9%

Note symbol

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

<For B1~3>

C1-1. Radiated Spurious Emission Test Modes

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	U-NII-1	5.15-5.25	4+3	802.11a	36	5180	6Mbps	-	-
Mode 2	U-NII-1	5.15-5.25	4+3	802.11a	44	5220	6Mbps	-	-
Mode 3	U-NII-1	5.15-5.25	4+3	802.11a	48	5240	6Mbps	-	-
Mode 4	U-NII-1	5.15-5.25	4+3	802.11ax HE20	36	5180	MCS0	Full RU	-
Mode 5	U-NII-1	5.15-5.25	4+3	802.11ax HE20	36	5180	MCS0	Partial_26/0RU	-
Mode 6	U-NII-1	5.15-5.25	4+3	802.11ax HE20	36	5180	MCS0	Partial_52/37RU	-
Mode 7	U-NII-1	5.15-5.25	4+3	802.11ax HE20	36	5180	MCS0	Partial_106/53RU	-
Mode 8	U-NII-1	5.15-5.25	4+3	802.11ax HE20	44	5220	MCS0	Full RU	-
Mode 9	U-NII-1	5.15-5.25	4+3	802.11ax HE20	48	5240	MCS0	Full RU	-
Mode 10	U-NII-1	5.15-5.25	4+3	802.11ax HE40	38	5190	MCS0	Full RU	-
Mode 11	U-NII-1	5.15-5.25	4+3	802.11ax HE40	46	5230	MCS0	Full RU	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 12	U-NII-1	5.15-5.25	4+3	802.11ax HE80	42	5210	MCS0	Full RU	-
Mode 13	U-NII-2A	5.25-5.35	4+3	802.11a	52	5260	6Mbps	-	-
Mode 14	U-NII-2A	5.25-5.35	4+3	802.11a	60	5300	6Mbps	-	-
Mode 15	U-NII-2A	5.25-5.35	4+3	802.11a	64	5320	6Mbps	-	-
Mode 16	U-NII-2A	5.25-5.35	4+3	802.11ax HE20	52	5260	MCS0	Full RU	-
Mode 17	U-NII-2A	5.25-5.35	4+3	802.11ax HE20	60	5300	MCS0	Full RU	-
Mode 18	U-NII-2A	5.25-5.35	4+3	802.11ax HE20	64	5320	MCS0	Full RU	-
Mode 19	U-NII-2A	5.25-5.35	4+3	802.11ax HE20	64	5320	MCS0	Partial_26/8RU	-
Mode 20	U-NII-2A	5.25-5.35	4+3	802.11ax HE20	64	5320	MCS0	Partial_52/40RU	-
Mode 21	U-NII-2A	5.25-5.35	4+3	802.11ax HE20	64	5320	MCS0	Partial_106/54RU	-
Mode 22	U-NII-2A	5.25-5.35	4+3	802.11ax HE40	54	5270	MCS0	Full RU	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 23	U-NII-2A	5.25-5.35	4+3	802.11ax HE40	62	5310	MCS0	Full RU	-
Mode 24	U-NII-2A	5.25-5.35	4+3	802.11ax HE80	58	5290	MCS0	Full RU	-
Mode 25	U-NII-2C	5.47-5.725	4+3	802.11a	100	5500	6Mbps	-	-
Mode 26	U-NII-2C	5.47-5.725	4+3	802.11a	116	5580	6Mbps	-	-
Mode 27	U-NII-2C	5.47-5.725	4+3	802.11a	140	5700	6Mbps	-	-
Mode 28	U-NII-2C	5.47-5.725	4+3	802.11ax HE20	100	5500	MCS0	Full RU	-
Mode 29	U-NII-2C	5.47-5.725	4+3	802.11ax HE20	100	5500	MCS0	Partial_26/0RU	-
Mode 30	U-NII-2C	5.47-5.725	4+3	802.11ax HE20	100	5500	MCS0	Partial_52/37RU	-
Mode 31	U-NII-2C	5.47-5.725	4+3	802.11ax HE20	100	5500	MCS0	Partial_106/53RU	-
Mode 32	U-NII-2C	5.47-5.725	4+3	802.11ax HE20	116	5580	MCS0	Full RU	-
Mode 33	U-NII-2C	5.47-5.725	4+3	802.11ax HE20	140	5700	MCS0	Full RU	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 34	U-NII-2C	5.47-5.725	4+3	802.11ax HE20	140	5700	MCS0	Partial_26/8RU	-
Mode 35	U-NII-2C	5.47-5.725	4+3	802.11ax HE20	140	5700	MCS0	Partial_52/40RU	-
Mode 36	U-NII-2C	5.47-5.725	4+3	802.11ax HE20	140	5700	MCS0	Partial_106/54RU	-
Mode 37	U-NII-2C	5.47-5.725	4+3	802.11ax HE40	102	5510	MCS0	Full RU	-
Mode 38	U-NII-2C	5.47-5.725	4+3	802.11ax HE40	110	5550	MCS0	Full RU	-
Mode 39	U-NII-2C	5.47-5.725	4+3	802.11ax HE40	134	5670	MCS0	Full RU	-
Mode 40	U-NII-2C	5.47-5.725	4+3	802.11ax HE80	106	5530	MCS0	Full RU	-
Mode 41	U-NII-2C	5.47-5.725	4+3	802.11ax HE80	122	5610	MCS0	Full RU	-
Mode 42	U-NII-2C	5.47-5.725	4+3	802.11a	144	5720	6Mbps	-	-
Mode 43	U-NII-2C	5.47-5.725	4+3	802.11ax HE20	144	5720	MCS0	Full RU	-
Mode 44	U-NII-2C	5.47-5.725	4+3	802.11ax HE40	142	5710	MCS0	Full RU	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 45	U-NII-2C	5.47-5.725	4+3	802.11ax HE80	138	5690	MCS0	Full RU	-
Mode 76	U-NII-2A	5.25-5.35	4+3	802.11ax HE40	62	5310	MCS0	Full RU	LF
Mode 79	U-NII-2A	5.25-5.35	4+3	802.11ax HE40	62	5310	MCS0	Full RU	SHF
Mode 82	U-NII-1	5.15-5.25	4+3	802.11a	40	5200	6Mbps	-	-
Mode 83	U-NII-1	5.15-5.25	4+3	802.11ax HE20	40	5200	MCS0	Full RU	-
Mode 84	U-NII-2C	5.47-5.725	4+3	802.11a	136	5680	6Mbps	-	-
Mode 85	U-NII-2C	5.47-5.725	4+3	802.11ax HE20	136	5680	MCS0	Full RU	-

C1-2. Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
1	802.11a	36	5148.50	51.46	54.00	-2.54	V	Avg.	Pass	-	Band Edge
	802.11a	36	15540.00	42.14	54.00	-11.86	V	Avg.	Pass	-	Harmonic
2	802.11a	44	5149.82	50.32	54.00	-3.68	H	Avg.	Pass	-	Band Edge
	802.11a	44	15660.00	42.30	54.00	-11.70	H	Avg.	Pass	-	Harmonic
3	802.11a	48	5147.84	44.15	54.00	-9.85	V	Avg.	Pass	-	Band Edge
	802.11a	48	15720.00	42.28	54.00	-11.72	H	Avg.	Pass	-	Harmonic
4	802.11ax HE20	36	5149.22	52.15	54.00	-1.85	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	36	15540.00	43.46	54.00	-10.54	H	Avg.	Pass	Full RU	Harmonic
5	802.11ax HE20	36	5138.78	51.75	54.00	-2.25	V	Avg.	Pass	Partial_26/0RU	Band Edge
	802.11ax HE20	36	-	-	-	-	-	-	-	Partial_26/0RU	Harmonic
6	802.11ax HE20	36	5143.46	51.60	54.00	-2.40	H	Avg.	Pass	Partial_52/37RU	Band Edge

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
6	802.11ax HE20	36	-	-	-	-	-	-	-	Partial_52/37RU	Harmonic
7	802.11ax HE20	36	5149.94	51.65	54.00	-2.35	H	Avg.	Pass	Partial_106/53RU	Band Edge
	802.11ax HE20	36	-	-	-	-	-	-	-	Partial_106/53RU	Harmonic
8	802.11ax HE20	44	5149.82	50.90	54.00	-3.10	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	44	15660.00	43.71	54.00	-10.29	V	Avg.	Pass	Full RU	Harmonic
9	802.11ax HE20	48	-	-	-	-	-	-	-	Full RU	Band Edge
	802.11ax HE20	48	15720.00	43.66	54.00	-10.34	H	Avg.	Pass	Full RU	Harmonic
10	802.11ax HE40	38	5149.72	50.48	54.00	-3.52	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE40	38	15570.00	43.68	54.00	-10.32	H	Avg.	Pass	Full RU	Harmonic
11	802.11ax HE40	46	5149.96	50.97	54.00	-3.03	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE40	46	15690.00	43.64	54.00	-10.36	H	Avg.	Pass	Full RU	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
12	802.11ax HE80	42	5148.89	52.07	54.00	-1.93	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE80	42	15630.00	43.37	54.00	-10.63	H	Avg.	Pass	Full RU	Harmonic
13	802.11a	52	5351.20	41.24	54.00	-12.76	V	Avg.	Pass	-	Band Edge
	802.11a	52	15780.00	42.32	54.00	-11.68	H	Avg.	Pass	-	Harmonic
14	802.11a	60	5350.08	50.20	54.00	-3.80	H	Avg.	Pass	-	Band Edge
	802.11a	60	15900.00	42.47	54.00	-11.53	H	Avg.	Pass	-	Harmonic
15	802.11a	64	5350.10	52.07	54.00	-1.93	V	Avg.	Pass	-	Band Edge
	802.11a	64	15960.00	42.38	54.00	-11.62	V	Avg.	Pass	-	Harmonic
16	802.11ax HE20	52	5350.20	43.43	54.00	-10.57	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	52	15780.00	43.46	54.00	-10.54	V	Avg.	Pass	Full RU	Harmonic
17	802.11ax HE20	60	5350.08	51.42	54.00	-2.58	H	Avg.	Pass	Full RU	Band Edge

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
17	802.11ax HE20	60	15900.00	42.48	54.00	-11.52	H	Avg.	Pass	Full RU	Harmonic
18	802.11ax HE20	64	5350.10	52.31	54.00	-1.69	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	64	15960.00	43.59	54.00	-10.41	V	Avg.	Pass	Full RU	Harmonic
19	802.11ax HE20	64	5362.56	51.50	54.00	-2.50	H	Avg.	Pass	Partial_26/8RU	Band Edge
	802.11ax HE20	64	-	-	-	-	-	-	-	Partial_26/8RU	Harmonic
20	802.11ax HE20	64	5358.64	49.96	54.00	-4.04	H	Avg.	Pass	Partial_52/40RU	Band Edge
	802.11ax HE20	64	-	-	-	-	-	-	-	Partial_52/40RU	Harmonic
21	802.11ax HE20	64	5353.18	50.84	54.00	-3.16	H	Avg.	Pass	Partial_106/54RU	Band Edge
	802.11ax HE20	64	-	-	-	-	-	-	-	Partial_106/54RU	Harmonic
22	802.11ax HE40	54	5350.18	51.58	54.00	-2.42	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE40	54	15810.00	43.36	54.00	-10.64	V	Avg.	Pass	Full RU	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
23	802.11ax HE40	62	5350.05	52.36	54.00	-1.64	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE40	62	15930.00	43.78	54.00	-10.22	V	Avg.	Pass	Full RU	Harmonic
24	802.11ax HE80	58	5352.39	52.32	54.00	-1.68	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE80	58	15870.00	43.53	54.00	-10.47	H	Avg.	Pass	Full RU	Harmonic
25	802.11a	100	5469.70	66.10	68.20	-2.10	V	Peak	Pass	-	Band Edge
	802.11a	100	11000.00	41.06	54.00	-12.94	H	Avg.	Pass	-	Harmonic
26	802.11a	116	5469.37	54.81	68.20	-13.39	V	Peak	Pass	-	Band Edge
	802.11a	116	11160.00	41.99	54.00	-12.01	H	Avg.	Pass	-	Harmonic
27	802.11a	140	5726.20	66.04	68.20	-2.16	H	Peak	Pass	-	Band Edge
	802.11a	140	11400.00	41.39	54.00	-12.61	V	Avg.	Pass	-	Harmonic
28	802.11ax HE20	100	5467.75	65.92	68.20	-2.28	V	Peak	Pass	Full RU	Band Edge

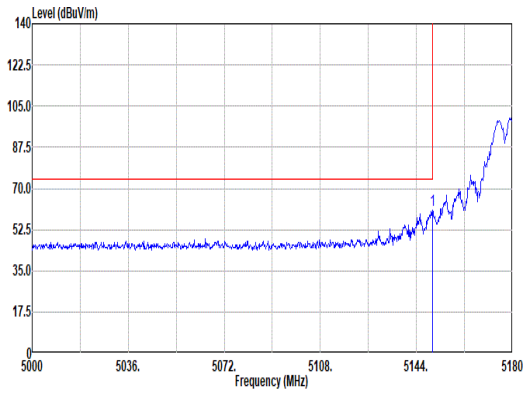
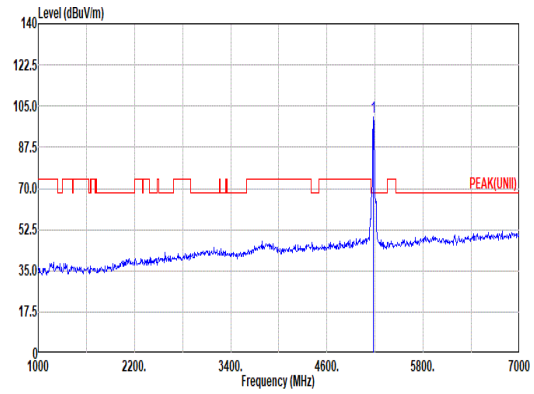
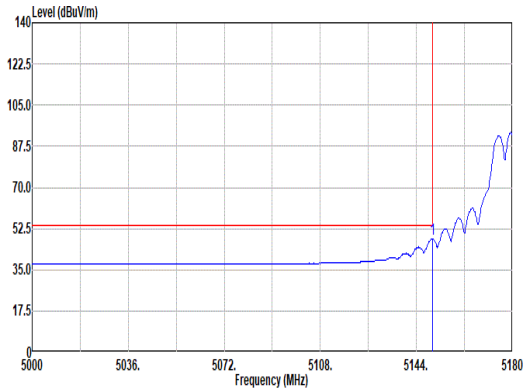
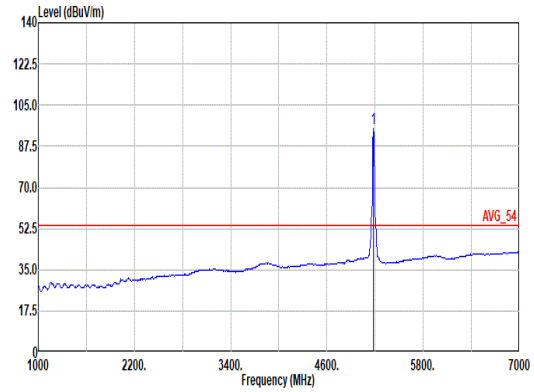
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
28	802.11ax HE20	100	11000.00	41.94	54.00	-12.06	V	Avg.	Pass	Full RU	Harmonic
29	802.11ax HE20	100	5458.15	51.73	54.00	-2.27	V	Avg.	Pass	Partial_26/0RU	Band Edge
	802.11ax HE20	100	-	-	-	-	-	-	-	Partial_26/0RU	Harmonic
30	802.11ax HE20	100	5461.45	66.10	68.20	-2.10	V	Peak	Pass	Partial_52/37RU	Band Edge
	802.11ax HE20	100	-	-	-	-	-	-	-	Partial_52/37RU	Harmonic
31	802.11ax HE20	100	5465.80	65.97	68.20	-2.23	V	Peak	Pass	Partial_106/53RU	Band Edge
	802.11ax HE20	100	-	-	-	-	-	-	-	Partial_106/53RU	Harmonic
32	802.11ax HE20	116	5459.94	40.83	54.00	-13.17	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	116	11160.00	40.96	54.00	-13.04	H	Avg.	Pass	Full RU	Harmonic
33	802.11ax HE20	140	5725.16	64.97	68.20	-3.23	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	140	11400.00	42.12	54.00	-11.88	H	Avg.	Pass	Full RU	Harmonic

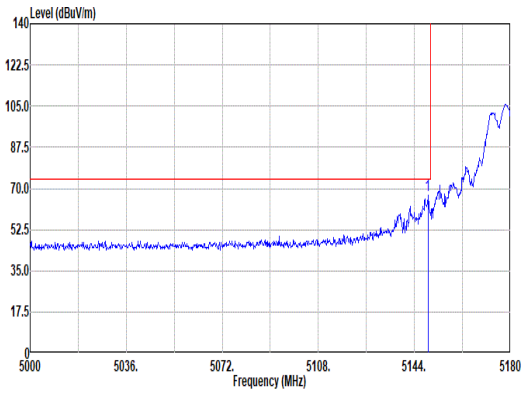
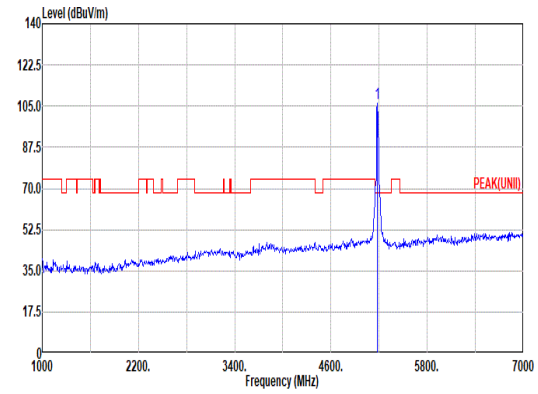
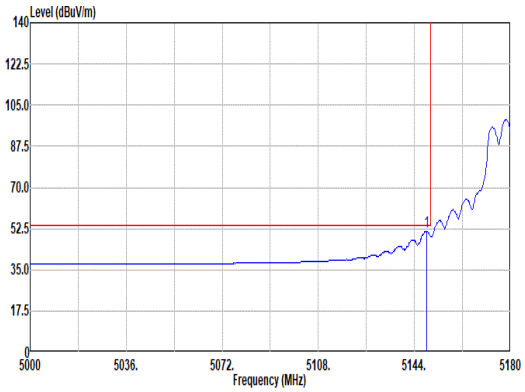
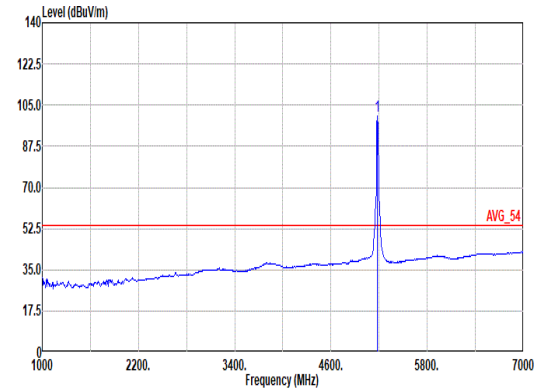
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
34	802.11ax HE20	140	5741.34	64.76	68.20	-3.44	H	Peak	Pass	Partial_26/8RU	Band Edge
	802.11ax HE20	140	-	-	-	-	-	-	-	Partial_26/8RU	Harmonic
35	802.11ax HE20	140	5736.73	66.11	68.20	-2.09	H	Peak	Pass	Partial_52/40RU	Band Edge
	802.11ax HE20	140	-	-	-	-	-	-	-	Partial_52/40RU	Harmonic
36	802.11ax HE20	140	5728.67	66.47	68.20	-1.73	H	Peak	Pass	Partial_106/54RU	Band Edge
	802.11ax HE20	140	-	-	-	-	-	-	-	Partial_106/54RU	Harmonic
37	802.11ax HE40	102	5468.40	65.27	68.20	-2.93	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE40	102	11020.00	42.34	54.00	-11.66	V	Avg.	Pass	Full RU	Harmonic
38	802.11ax HE40	110	5460.00	51.95	54.00	-2.05	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE40	110	11100.00	42.42	54.00	-11.58	V	Avg.	Pass	Full RU	Harmonic
39	802.11ax HE40	134	5726.05	65.19	68.20	-3.01	V	Peak	Pass	Full RU	Band Edge

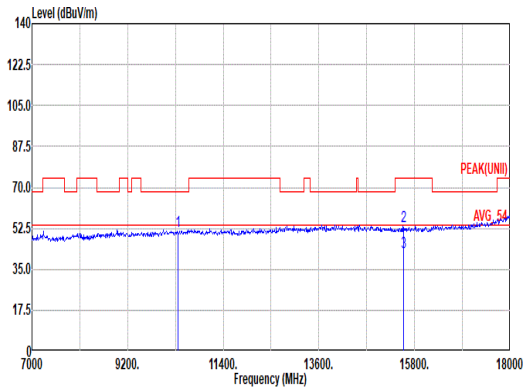
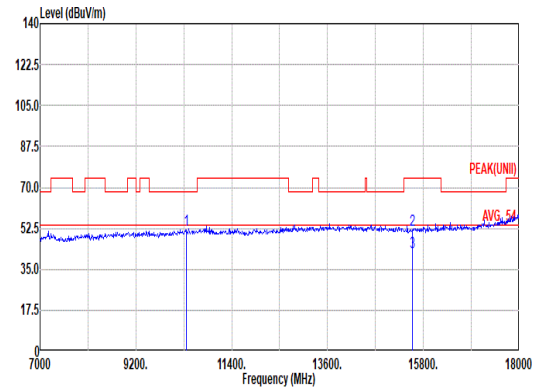
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
39	802.11ax HE40	134	11340.00	41.13	54.00	-12.87	H	Avg.	Pass	Full RU	Harmonic
40	802.11ax HE80	106	5459.80	50.95	54.00	-3.05	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE80	106	11060.00	41.98	54.00	-12.02	V	Avg.	Pass	Full RU	Harmonic
41	802.11ax HE80	122	5458.16	51.16	54.00	-2.84	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE80	122	11220.00	41.49	54.00	-12.51	V	Avg.	Pass	Full RU	Harmonic
42	802.11a	144	5458.81	36.18	54.00	-17.82	V	Avg.	Pass	-	Band Edge
	802.11a	144	11440.00	41.28	54.00	-12.72	H	Avg.	Pass	-	Harmonic
43	802.11ax HE20	144	5411.23	36.16	54.00	-17.84	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	144	11440.00	42.08	54.00	-11.92	H	Avg.	Pass	Full RU	Harmonic
44	802.11ax HE40	142	5853.50	63.43	68.20	-4.77	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE40	142	11420.00	41.38	54.00	-12.62	V	Avg.	Pass	Full RU	Harmonic

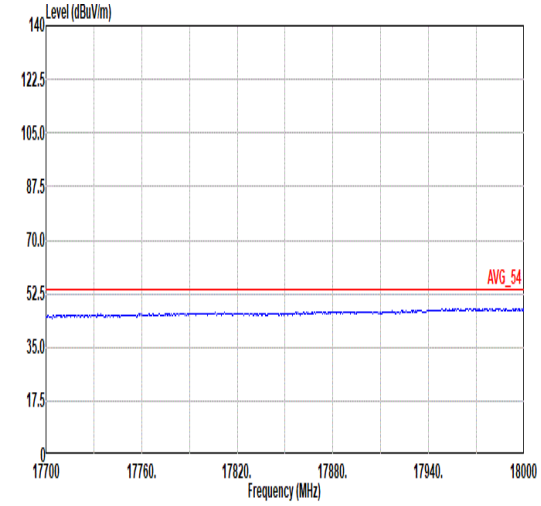
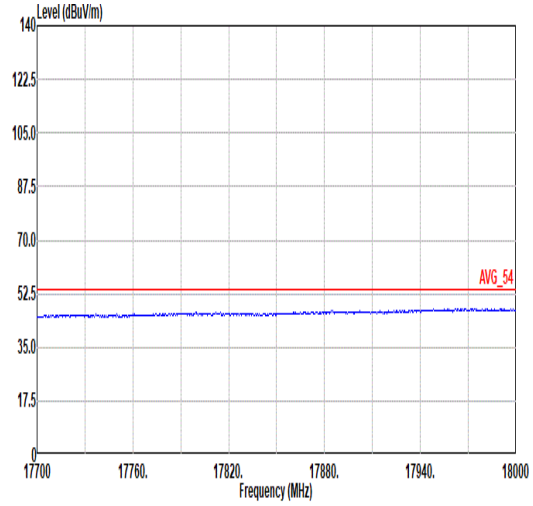
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
45	802.11ax HE80	138	5852.50	65.95	68.20	-2.25	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE80	138	11380.00	41.16	54.00	-12.84	V	Avg.	Pass	Full RU	Harmonic
76	LF	62	54.25	34.44	40.00	-5.56	V	QP	Pass	-	LF
79	SHF	62	39516.00	45.17	54.00	-8.83	H	Avg.	Pass	-	SHF
82	802.11a	40	5148.60	51.17	54.00	-2.83	V	Avg.	Pass	-	Band Edge
	802.11a	40	15600.00	42.17	54.00	-11.83	H	Avg.	Pass	-	Harmonic
83	802.11ax HE20	40	5149.20	51.70	54.00	-2.30	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	40	15600.00	42.09	54.00	-11.91	V	Avg.	Pass	Full RU	Harmonic
84	802.11a	136	5725.14	65.26	68.20	-2.94	V	Peak	Pass	-	Band Edge
	802.11a	136	11360.00	41.00	54.00	-13.00	V	Avg.	Pass	-	Harmonic
85	802.11ax HE20	136	5725.48	66.24	68.20	-1.96	V	Peak	Pass	Full RU	Band Edge

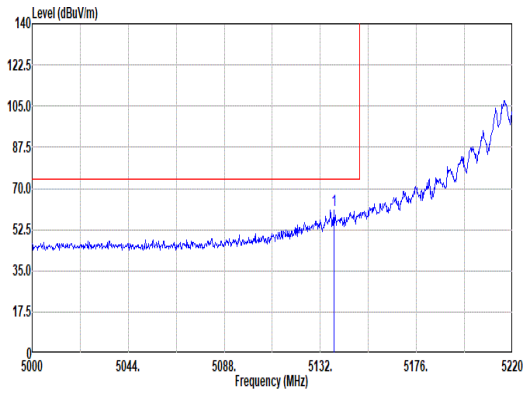
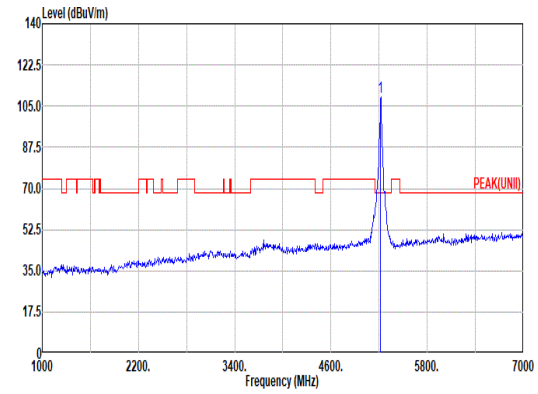
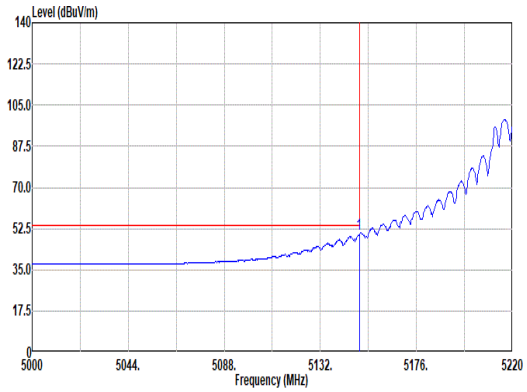
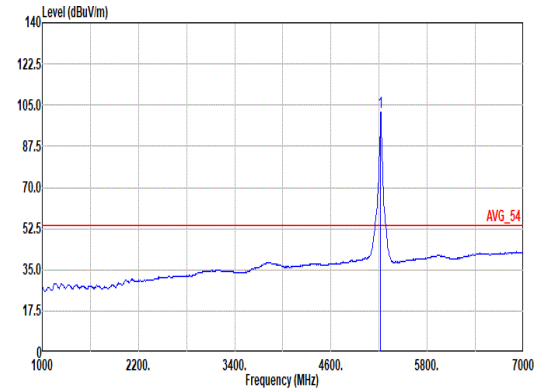
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
85	802.11ax HE20	136	11360.00	40.89	54.00	-13.11	H	Avg.	Pass	Full RU	Harmonic

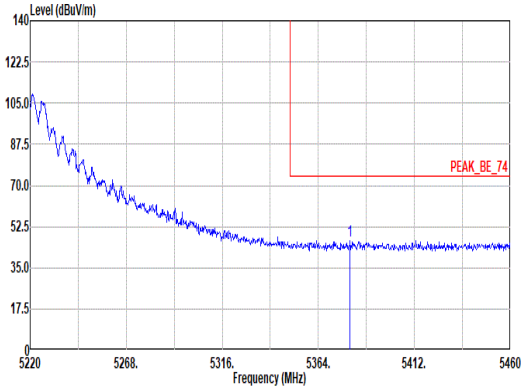
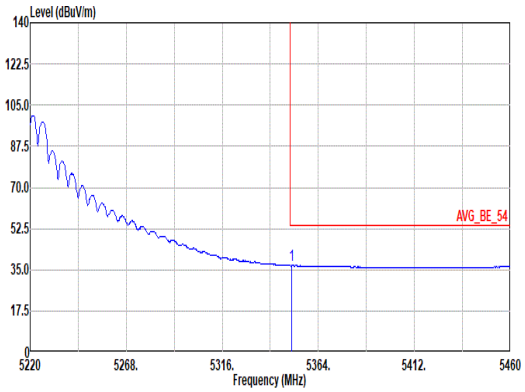
Mode	1	
	Band Edge	
	U-NII-1_5.15-5.25_802.11a_CH36_5180MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5149.94 60.66 74.00 -13.34 52.30 33.30 12.80 37.74 0.00 191 343 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 5180.00 100.31 ------ ------ 92.24 32.98 12.85 37.76 0.00 100 343 PEAK
Avg	 Site : 03CH20-HY Condition: AVG_BE_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 5149.94 48.16 54.00 -5.84 39.80 33.30 12.80 37.74 0.00 191 343 AVERAGE	 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 5180.00 94.90 ------ ------ 86.83 32.98 12.85 37.76 0.00 100 343 AVERAGE

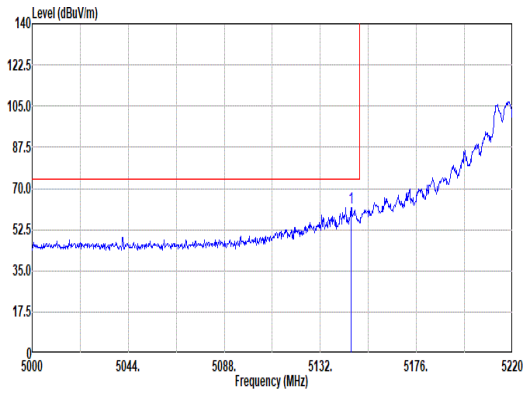
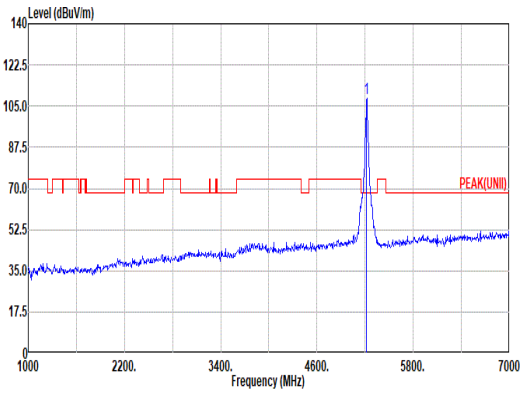
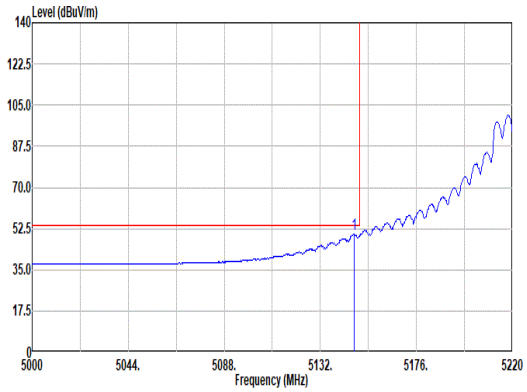
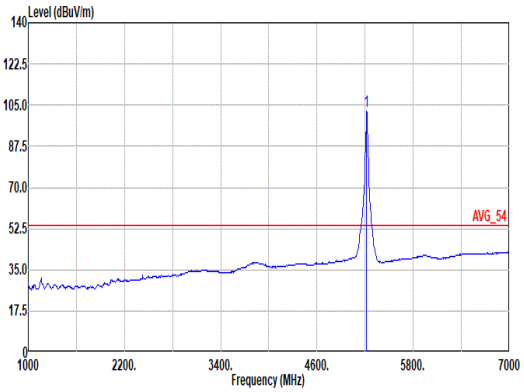
Mode	1	
	Band Edge	
	U-NII-1_5.15-5.25_802.11a_CH36_5180MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5149.04 67.16 74.00 -6.84 58.80 33.30 12.80 37.74 0.00 210 348 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 5180.00 106.36 ------ ------ 98.23 33.04 12.84 37.75 0.00 210 348 PEAK
Avg	 Site : 03CH20-HY Condition: AVG_BE_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 5148.50 51.46 54.00 -2.54 43.10 33.30 12.80 37.74 0.00 210 348 AVERAGE	 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 5180.00 100.58 ------ ------ 92.45 33.04 12.84 37.75 0.00 210 348 AVERAGE

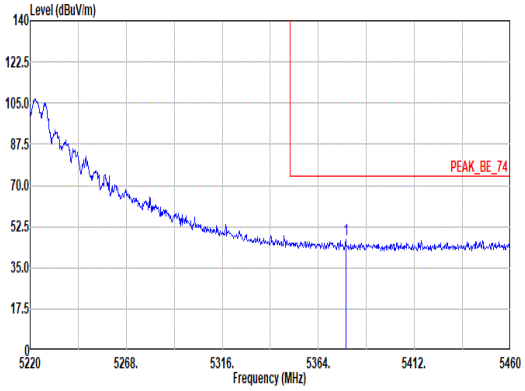
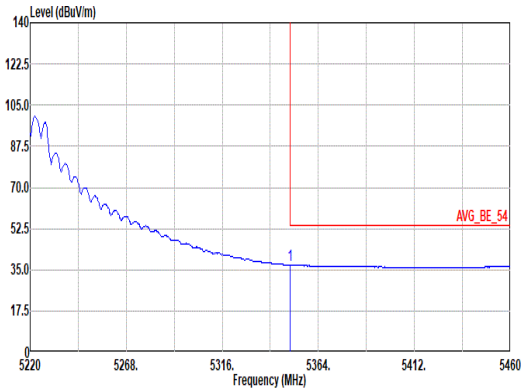
Mode	1	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH36_5180MHz	
ANT	4+3	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 10360.00 51.04 68.20 -17.16 34.37 38.80 18.40 41.36 0.83 -- -- PEAK 2 15540.00 53.23 74.00 -20.77 35.62 39.08 22.66 44.61 0.48 105 340 PEAK 3 15540.00 42.10 54.00 -11.90 24.49 39.08 22.66 44.61 0.48 105 340 Average	 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 10360.00 51.71 68.20 -16.49 35.04 38.80 18.40 41.36 0.83 -- -- PEAK 2 15540.00 51.72 74.00 -22.28 34.11 39.08 22.66 44.61 0.48 100 323 PEAK 3 15540.00 42.14 54.00 -11.86 24.53 39.08 22.66 44.61 0.48 100 323 Average

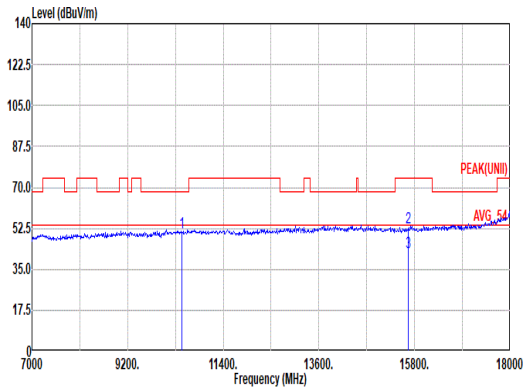
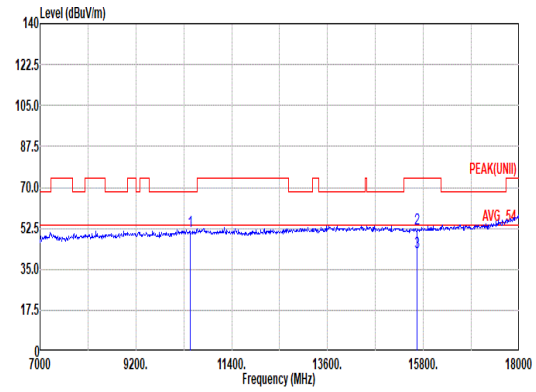
Mode	1	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH36_5180MHz	
ANT	4+3	
Pol.	Horizontal	Vertical
17.7G ~18G Avg	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 VERTICAL

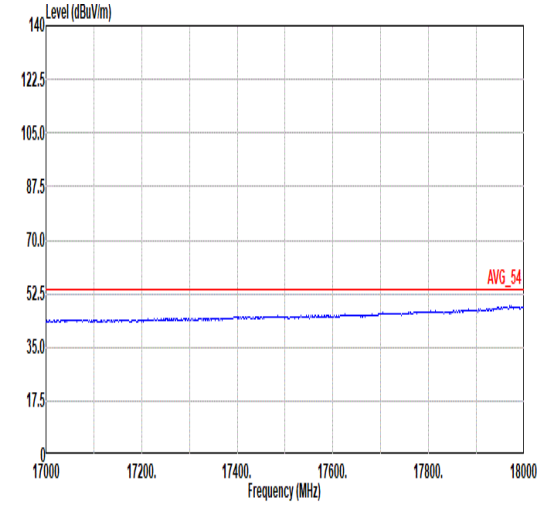
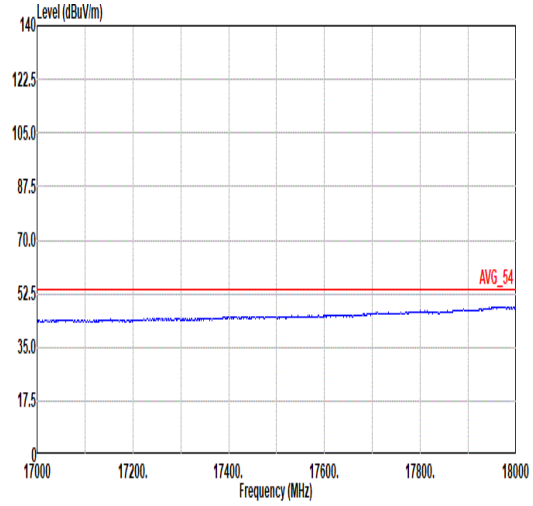
Mode	2	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5138.16 60.90 74.00 -13.10 52.57 33.28 12.79 37.74 0.00 203 53 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 5220.00 109.02 ------ ------ 101.05 32.85 12.90 37.78 0.00 203 53 PEAK
Avg	 Site : 03CH20-HY Condition: AVG_BE_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 5149.82 50.32 54.00 -3.68 41.96 33.30 12.80 37.74 0.00 203 53 AVERAGE	 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 5220.00 102.22 ------ ------ 94.25 32.85 12.90 37.78 0.00 203 53 AVERAGE

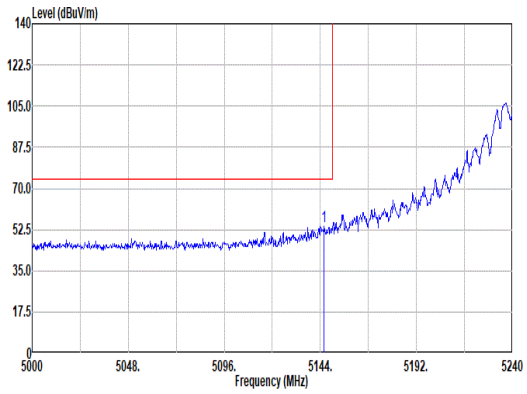
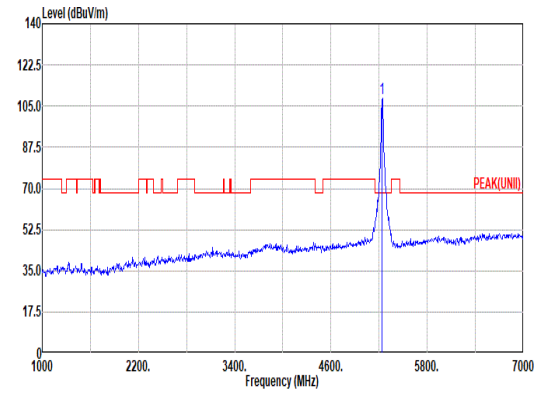
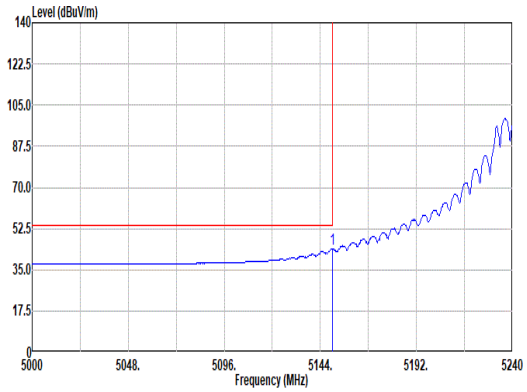
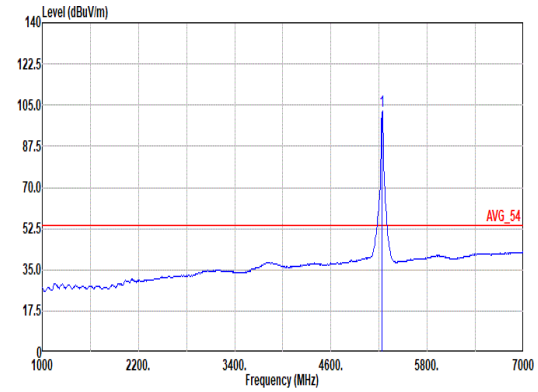
Mode	2	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5379.84 46.43 74.00 -27.57 38.09 33.10 13.09 37.85 0.00 203 53 PEAK	Blank
Avg	 Site : 03CH20-HY Condition: AVG_BE_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.56 36.84 54.00 -17.16 28.52 33.10 13.06 37.84 0.00 203 53 AVERAGE	Blank

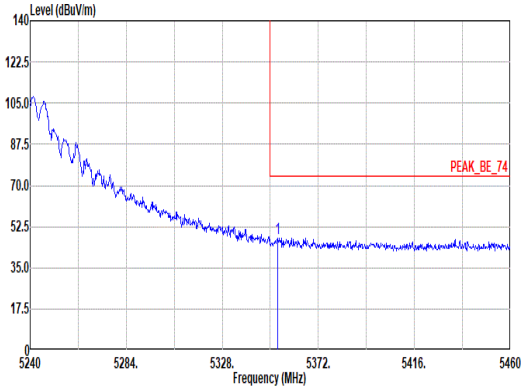
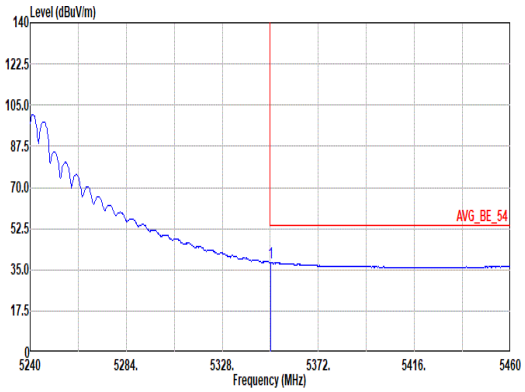
Mode	2	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5146.08 61.86 74.00 -12.14 53.51 33.29 12.80 37.74 0.00 200 354 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 5220.00 108.20 ------ ------ 100.23 32.85 12.90 37.78 0.00 200 354 PEAK
Avg	 Site : 03CH20-HY Condition: AVG_BE_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 5147.40 50.18 54.00 -3.82 41.83 33.29 12.80 37.74 0.00 200 354 AVERAGE	 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 5220.00 102.54 ------ ------ 94.58 32.84 12.89 37.77 0.00 200 354 AVERAGE

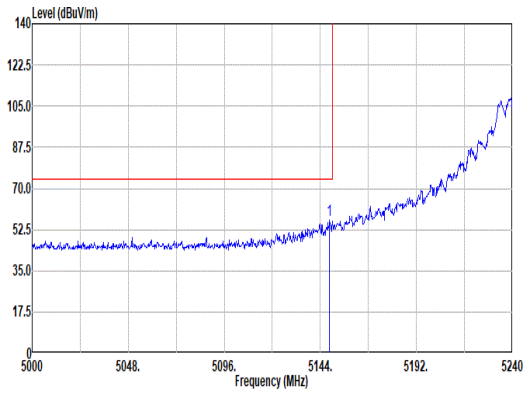
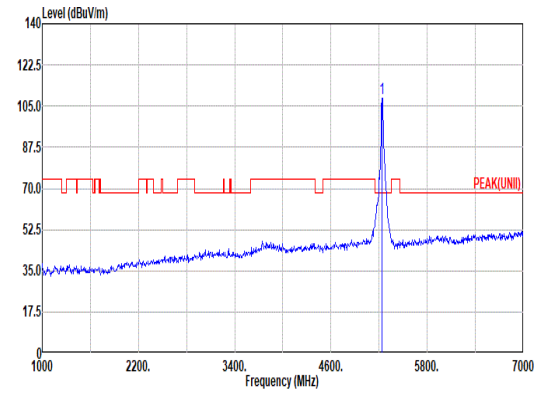
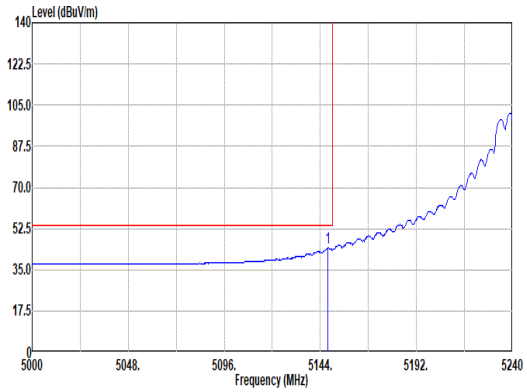
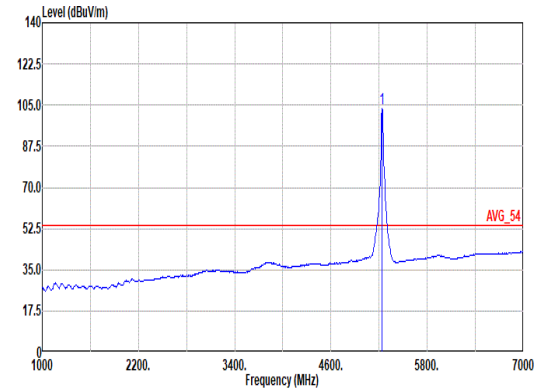
Mode	2	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5377.68 46.85 74.00 -27.15 38.51 33.10 13.09 37.85 0.00 200 354 PEAK	Blank
Avg	 Site : 03CH20-HY Condition: AVG_BE_54 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.08 37.09 54.00 -16.91 28.77 33.10 13.06 37.84 0.00 200 354 AVERAGE	Blank

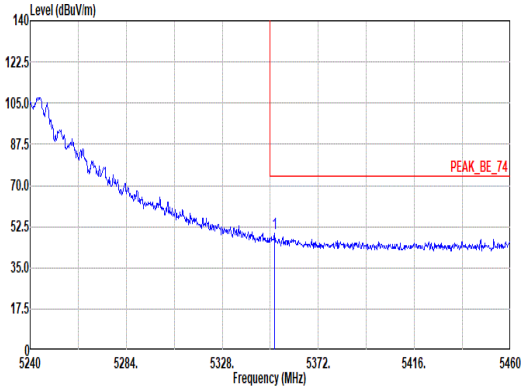
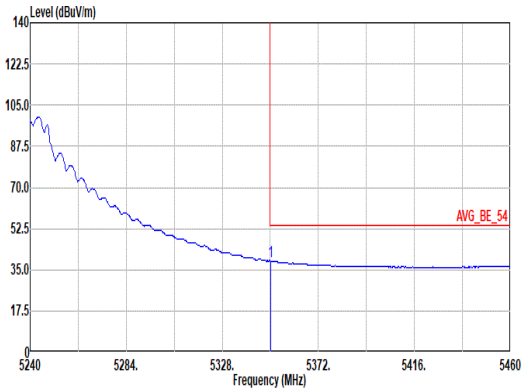
Mode	2	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	4+3	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 10440.00 50.91 68.20 -17.29 34.29 38.72 18.47 41.39 0.82 -- -- PEAK 2 15660.00 52.68 74.00 -21.32 35.07 38.90 22.76 44.51 0.46 400 145 PEAK 3 15660.00 42.30 54.00 -11.70 24.69 38.90 22.76 44.51 0.46 400 145 Average	 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 10440.00 51.25 68.20 -16.95 34.63 38.72 18.47 41.39 0.82 -- -- PEAK 2 15660.00 52.52 74.00 -21.48 34.91 38.90 22.76 44.51 0.46 200 63 PEAK 3 15660.00 42.12 54.00 -11.88 24.51 38.90 22.76 44.51 0.46 200 63 Average

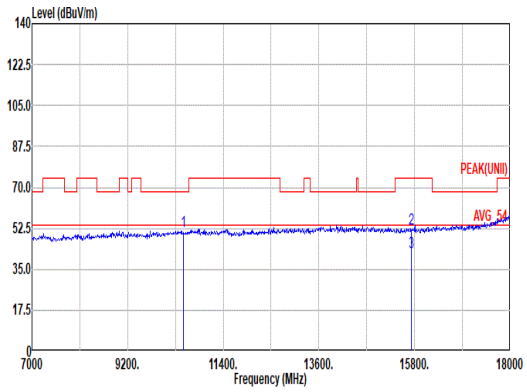
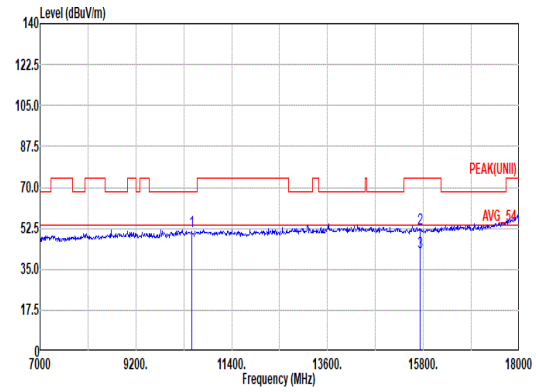
Mode	2	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	4+3	
Pol.	Horizontal	Vertical
17G ~18G Avg	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 VERTICAL

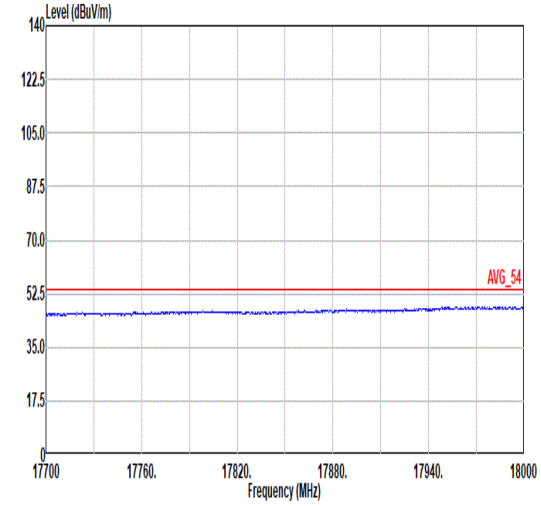
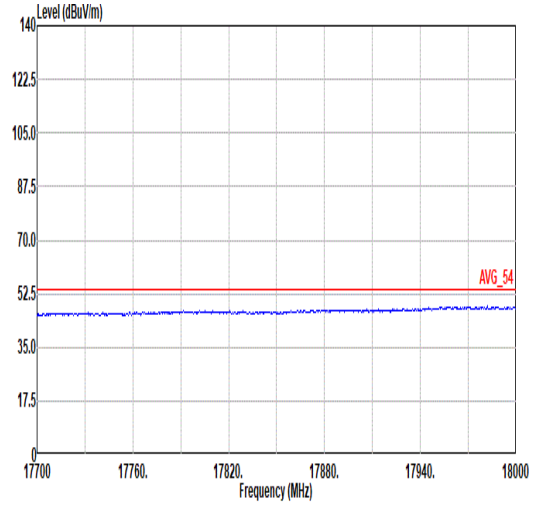
Mode	3	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5145.92 54.11 74.00 -19.89 45.76 33.29 12.80 37.74 0.00 208 52 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 5240.00 108.40 ------ ------ 100.39 32.88 12.92 37.79 0.00 208 52 PEAK
Avg	 Site : 03CH20-HY Condition: AVG_BE_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 5150.00 43.85 54.00 -10.15 35.48 33.30 12.81 37.74 0.00 208 52 AVERAGE	 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 5240.00 102.64 ------ ------ 94.63 32.88 12.92 37.79 0.00 208 52 AVERAGE

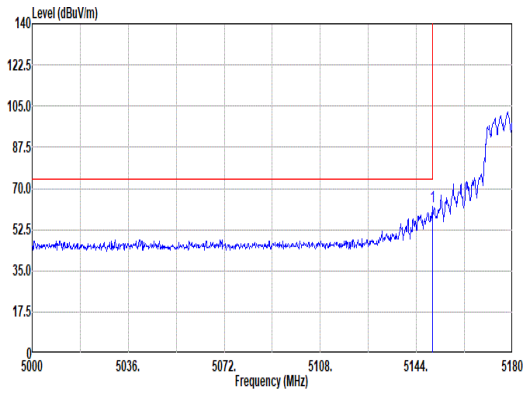
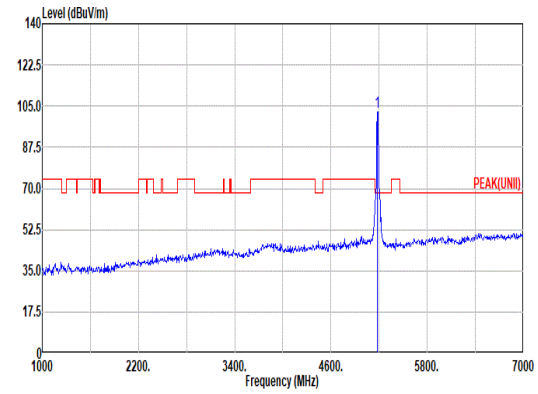
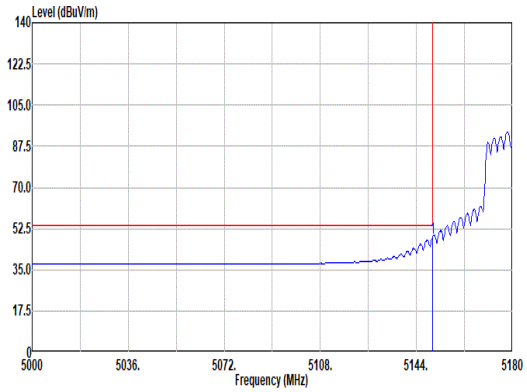
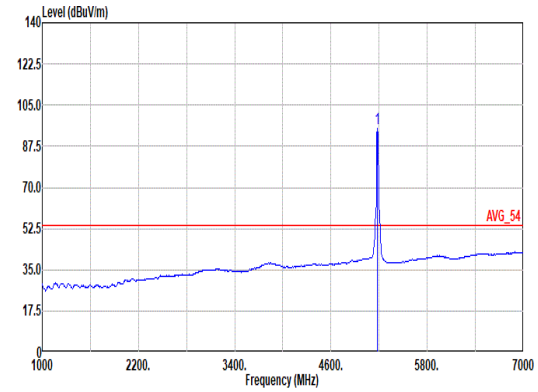
Mode	3	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5353.52 47.81 74.00 -26.19 39.49 33.10 13.06 37.84 0.00 208 52 PEAK	Blank
Avg	 Site : 03CH20-HY Condition: AVG_BE_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.22 38.01 54.00 -15.99 29.69 33.10 13.06 37.84 0.00 208 52 AVERAGE	Blank

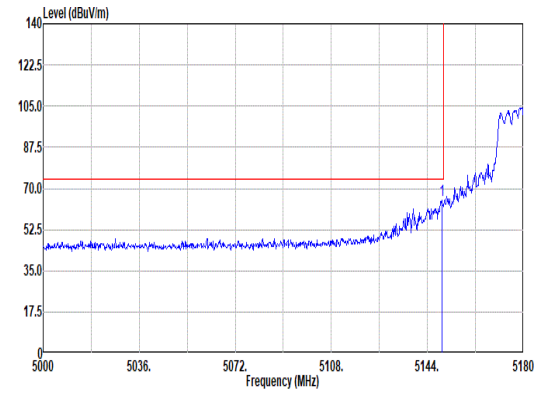
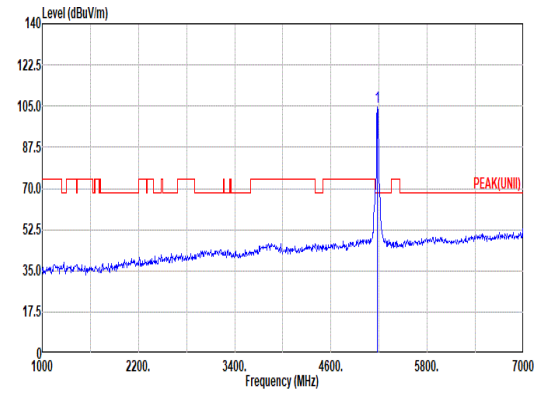
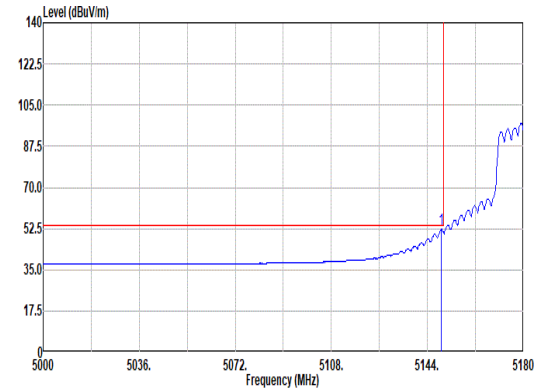
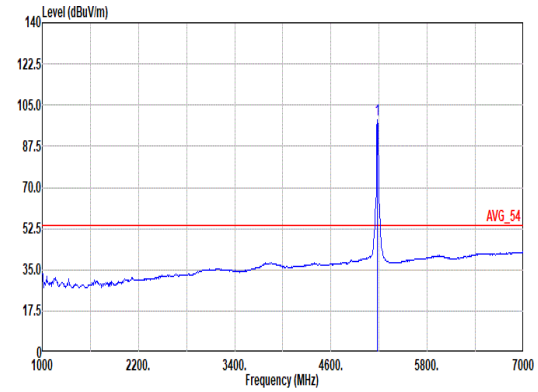
Mode	3	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5148.56 56.36 74.00 -17.64 48.00 33.30 12.80 37.74 0.00 233 339 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 5240.00 108.44 ------ ------ 100.43 32.88 12.92 37.79 0.00 233 339 PEAK
Avg	 Site : 03CH20-HY Condition: AVG_BE_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 5147.84 44.15 54.00 -9.85 35.79 33.30 12.80 37.74 0.00 233 339 AVERAGE	 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 5240.00 103.38 ------ ------ 95.38 32.87 12.91 37.78 0.00 233 339 AVERAGE

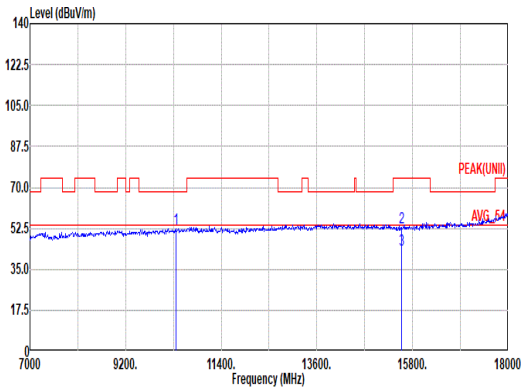
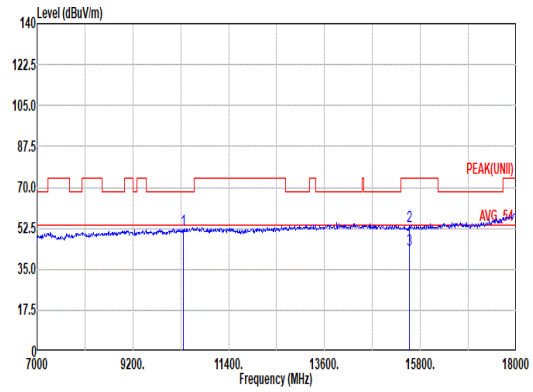
Mode	3	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5351.98 49.42 74.00 -24.58 41.10 33.10 13.06 37.84 0.00 233 339 PEAK	Blank
Avg	 Site : 03CH20-HY Condition: AVG_BE_54 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.22 38.82 54.00 -15.18 30.50 33.10 13.06 37.84 0.00 233 339 AVERAGE	Blank

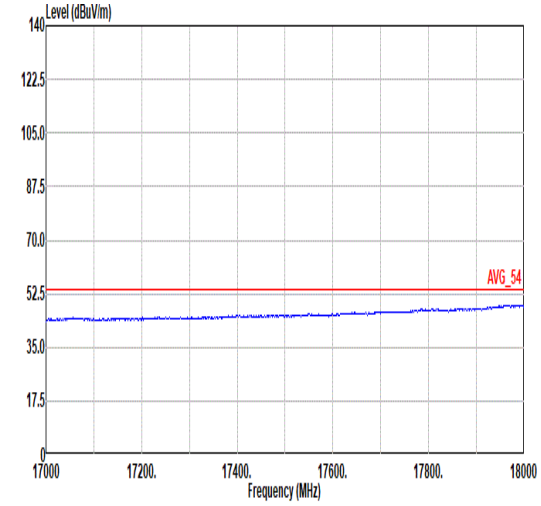
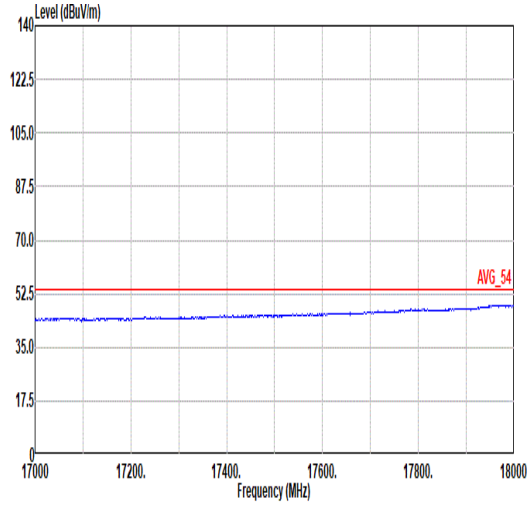
Mode	3	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	4+3	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 10480.00 51.06 68.20 -17.14 34.51 38.64 18.51 41.41 0.81 -- -- PEAK 2 15720.00 52.56 74.00 -21.44 34.82 38.94 22.81 44.46 0.45 312 285 PEAK 3 15720.00 42.28 54.00 -11.72 24.54 38.94 22.81 44.46 0.45 312 285 Average	 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 10480.00 51.25 68.20 -16.95 34.70 38.64 18.51 41.41 0.81 -- -- PEAK 2 15720.00 52.53 74.00 -21.47 34.79 38.94 22.81 44.46 0.45 100 287 PEAK 3 15720.00 42.25 54.00 -11.75 24.51 38.94 22.81 44.46 0.45 100 287 Average

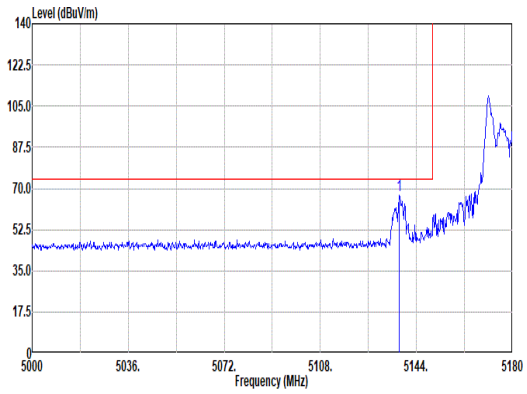
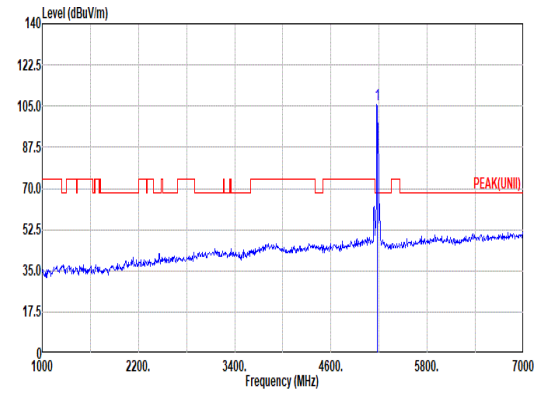
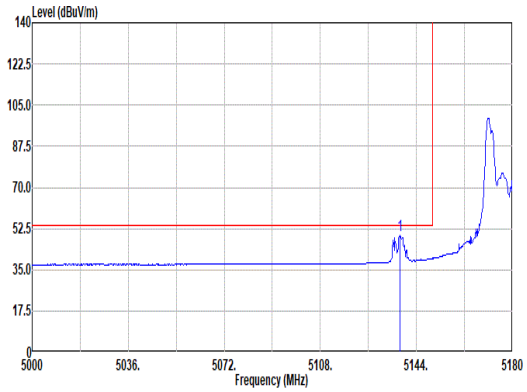
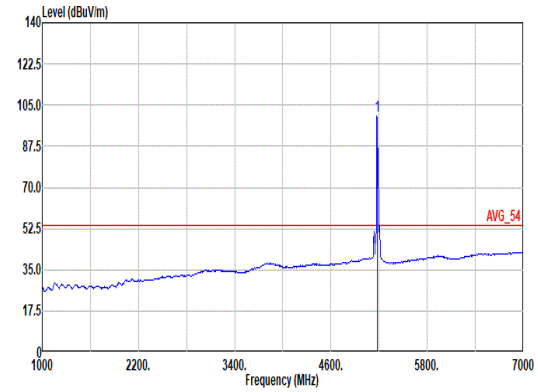
Mode	3	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	4+3	
Pol.	Horizontal	Vertical
17.7G ~18G Avg	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 VERTICAL

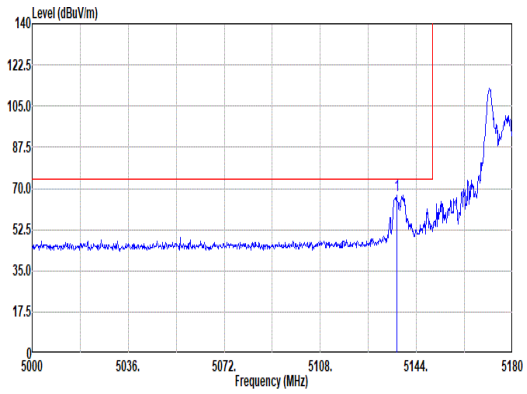
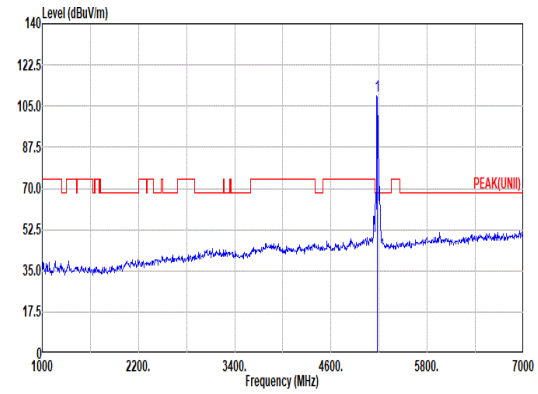
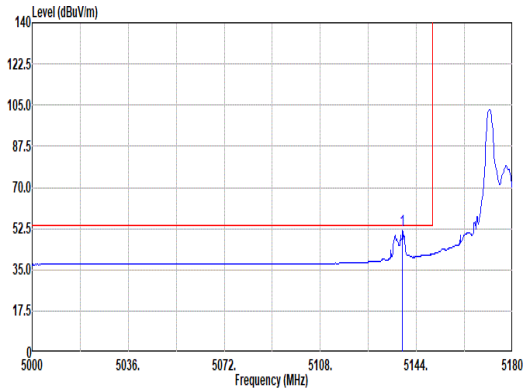
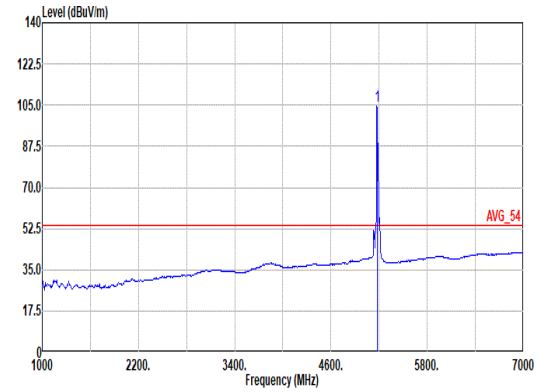
Mode	4	
	Band Edge	
	U-NII-1_5.15-5.25_802.11ax HE20_CH36_Full RU_5180MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5149.94 62.38 74.00 -11.62 54.02 33.30 12.80 37.74 0.00 114 311 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 5180.00 102.61 ------ ------ 94.60 32.92 12.85 37.76 0.00 114 311 PEAK
Avg	 Site : 03CH20-HY Condition: AVG_BE_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 5149.94 48.61 54.00 -5.39 40.25 33.30 12.80 37.74 0.00 114 311 AVERAGE	 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 5180.00 95.21 ------ ------ 87.08 33.04 12.84 37.75 0.00 114 311 AVERAGE

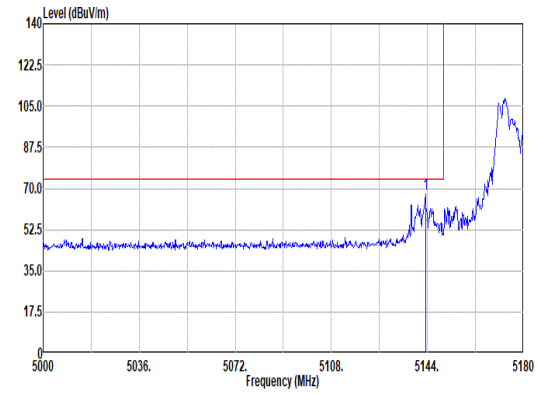
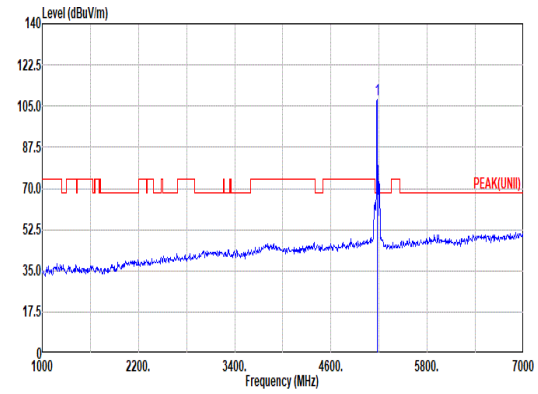
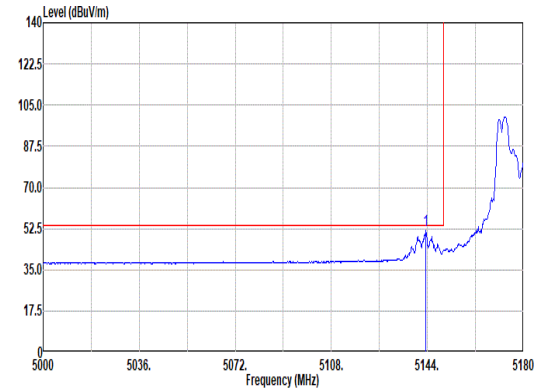
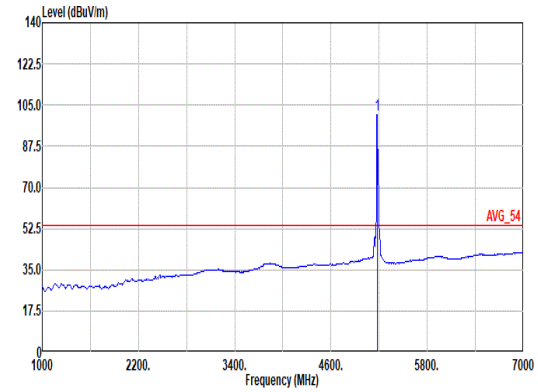
Mode	4	
	Band Edge	
	U-NII-1_5.15-5.25_802.11ax HE20_CH36_Full RU_5180MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5149.40 65.16 74.00 -8.84 56.80 33.30 12.80 37.74 0.00 206 343 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 5180.00 104.70 ------ ------ 96.63 32.98 12.85 37.76 0.00 206 343 PEAK
Avg	 Site : 03CH20-HY Condition: AVG_BE_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 5149.22 52.15 54.00 -1.85 43.79 33.30 12.80 37.74 0.00 206 343 AVERAGE	 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 5180.00 98.61 ------ ------ 90.48 33.04 12.84 37.75 0.00 206 343 AVERAGE

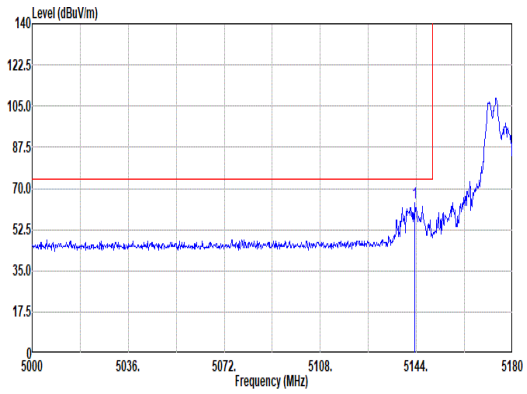
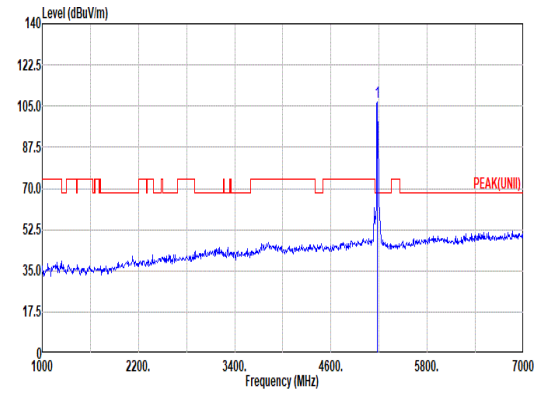
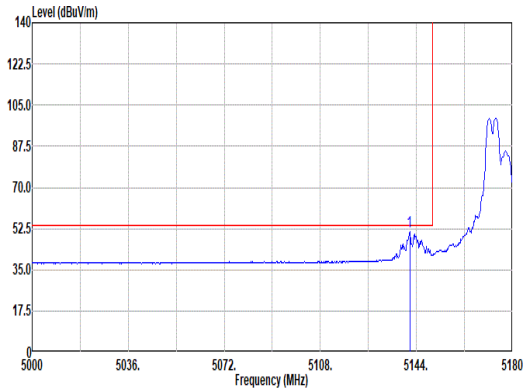
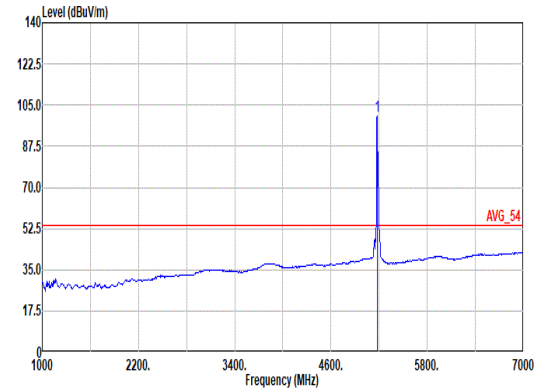
Mode	4	
	Harmonic	
	U-NII-1_5.15-5.25_802.11ax HE20_CH36_Full RU_5180MHz	
ANT	4+3	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 10360.00 52.31 68.20 -15.89 35.64 38.80 18.40 41.36 0.83 -- -- PEAK 2 15540.00 53.03 74.00 -20.97 35.42 39.08 22.66 44.61 0.48 100 53 PEAK 3 15540.00 43.46 54.00 -10.54 25.85 39.08 22.66 44.61 0.48 100 53 Average	 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 10360.00 51.61 68.20 -16.59 34.94 38.80 18.40 41.36 0.83 -- -- PEAK 2 15540.00 53.61 74.00 -20.39 36.00 39.08 22.66 44.61 0.48 100 156 PEAK 3 15540.00 43.35 54.00 -10.65 25.74 39.08 22.66 44.61 0.48 100 156 Average

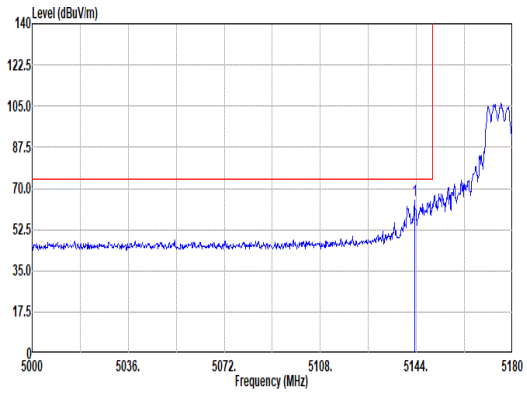
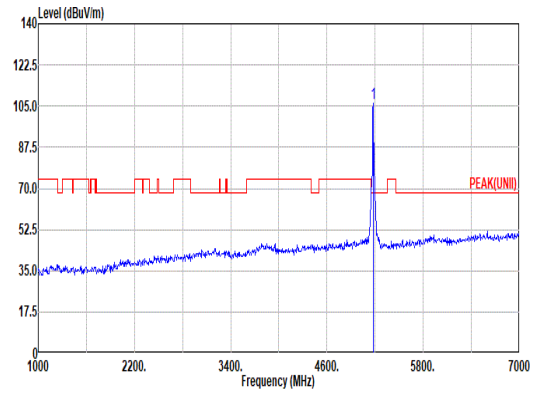
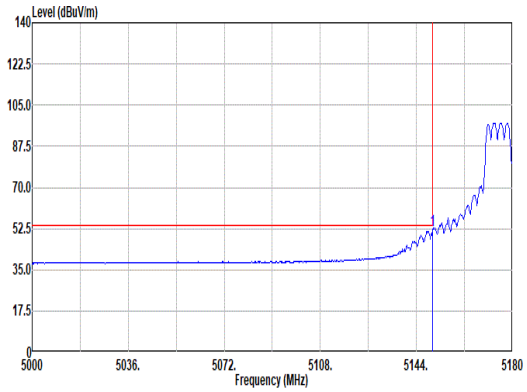
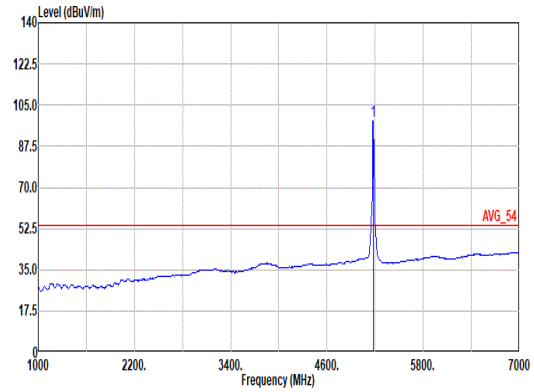
Mode	4	
	Harmonic	
	U-NII-1_5.15-5.25_802.11ax HE20_CH36_Full RU_5180MHz	
ANT	4+3	
Pol.	Horizontal	Vertical
17G ~18G Avg	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 VERTICAL

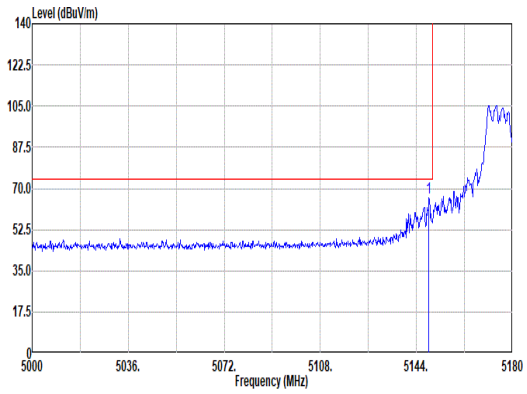
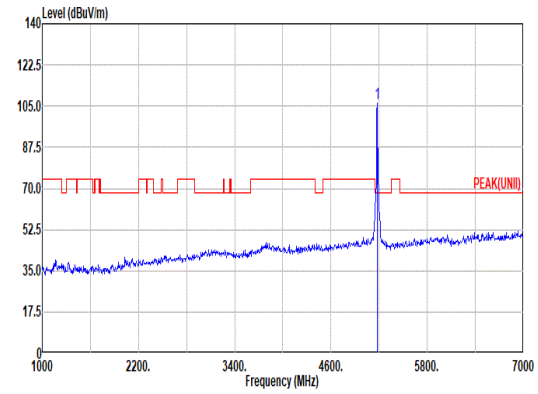
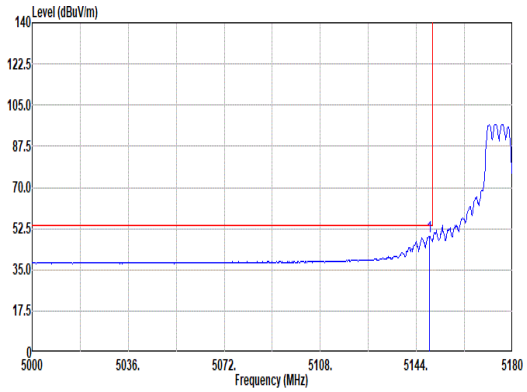
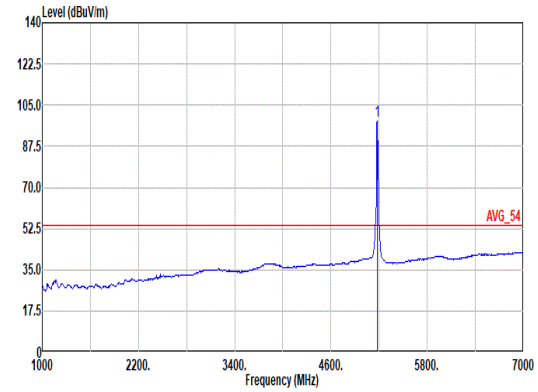
Mode	5	
	Band Edge	
	U-NII-1_5.15-5.25_802.11ax HE20_CH36_Partial_26/0RU _5180MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5137.52 67.00 74.00 -7.00 58.67 33.28 12.79 37.74 0.00 178 320 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5180.00 105.60 ------ ------ 97.42 33.10 12.83 37.75 0.00 178 320 PEAK
Avg	 Site : 03CH20-HY Condition: AVG_BE_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5137.88 49.51 54.00 -4.49 41.18 33.28 12.79 37.74 0.00 178 320 AVERAGE	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5180.00 100.41 ------ ------ 92.23 33.10 12.83 37.75 0.00 178 320 AVERAGE

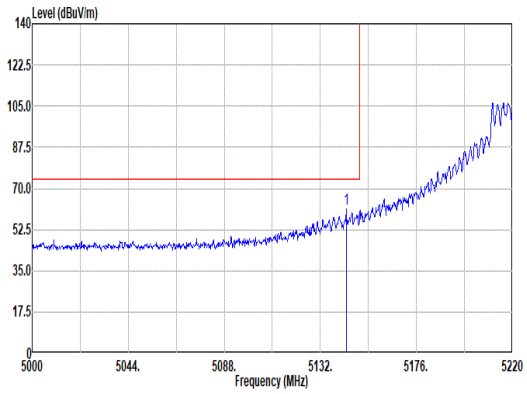
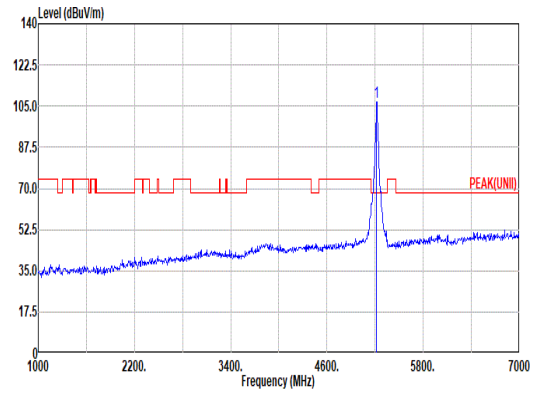
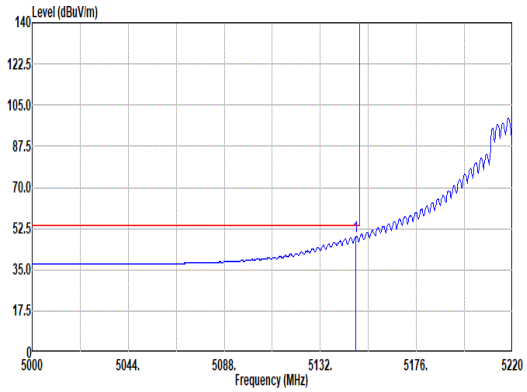
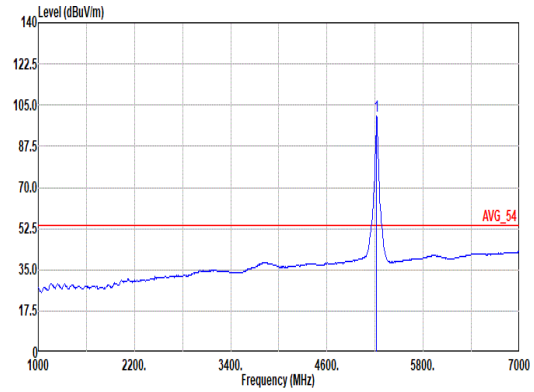
Mode	5	
	Band Edge	
	U-NII-1_5.15-5.25_802.11ax HE20_CH36_Partial_26/0RU _5180MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5136.62 67.01 74.00 -6.99 58.69 33.27 12.79 37.74 0.00 202 360 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 5180.00 109.62 ------ ------ 101.44 33.10 12.83 37.75 0.00 202 360 PEAK
Avg	 Site : 03CH20-HY Condition: AVG_BE_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 5138.78 51.75 54.00 -2.25 43.42 33.28 12.79 37.74 0.00 202 360 AVERAGE	 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 5180.00 104.37 ------ ------ 96.19 33.10 12.83 37.75 0.00 202 360 AVERAGE

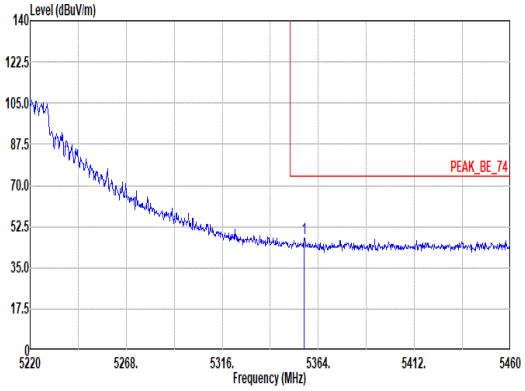
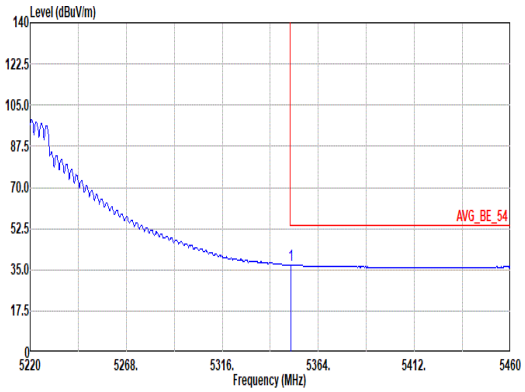
Mode	6	
	Band Edge	
	U-NII-1_5.15-5.25_802.11ax HE20_CH36_Partial_52/37RU _5180MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5143.28 67.63 74.00 -6.37 59.28 33.29 12.80 37.74 0.00 181 59 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 5180.00 108.04 ------ ------ 99.91 33.04 12.84 37.75 0.00 181 59 PEAK
Avg	 Site : 03CH20-HY Condition: AVG_BE_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5143.46 51.60 54.00 -2.40 43.25 33.29 12.80 37.74 0.00 181 59 AVERAGE	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5180.00 101.00 ------ ------ 92.87 33.04 12.84 37.75 0.00 181 59 AVERAGE

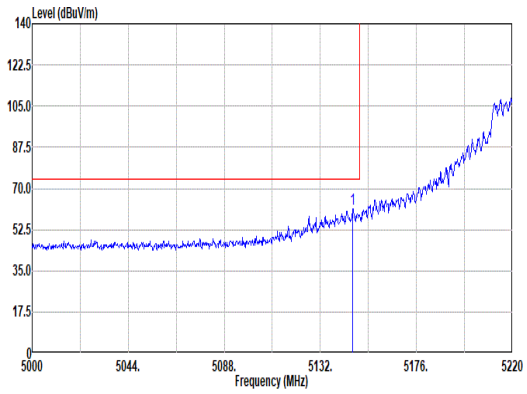
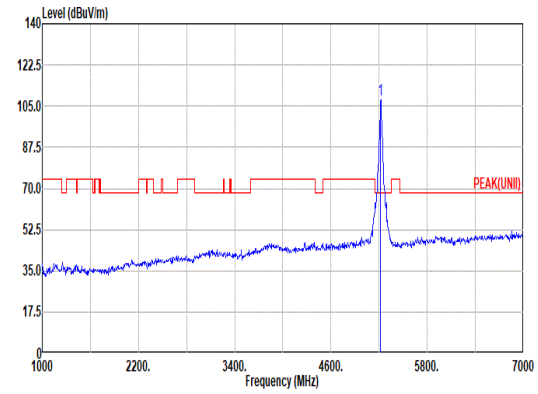
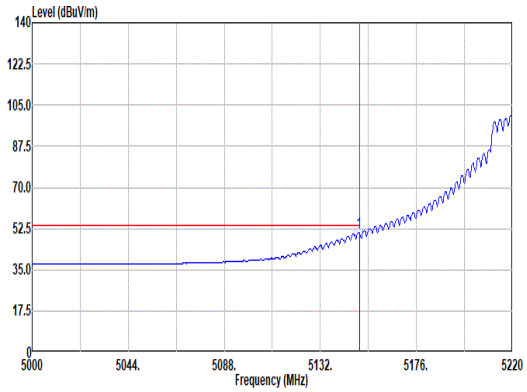
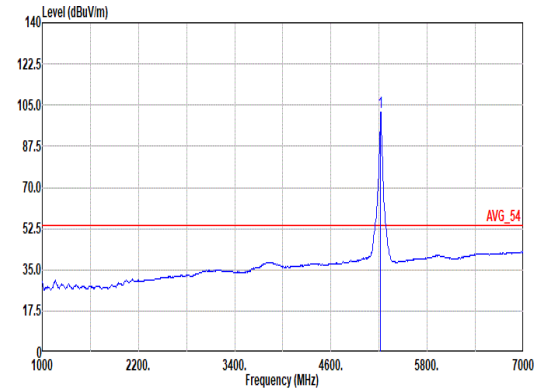
Mode	6	
	Band Edge	
	U-NII-1_5.15-5.25_802.11ax HE20_CH36_Partial_52/37RU _5180MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5143.46 63.69 74.00 -10.31 55.34 33.29 12.80 37.74 0.00 186 148 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 5180.00 106.84 ------ ------ 98.71 33.04 12.84 37.75 0.00 186 148 PEAK
Avg	 Site : 03CH20-HY Condition: AVG_BE_54 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 5141.48 51.33 54.00 -2.67 43.00 33.28 12.79 37.74 0.00 186 148 AVERAGE	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 5180.00 100.19 ------ ------ 92.06 33.04 12.84 37.75 0.00 186 148 AVERAGE

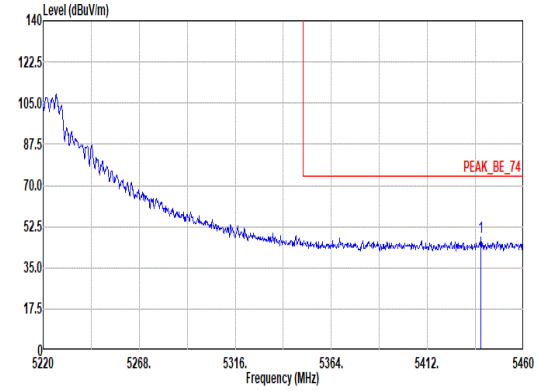
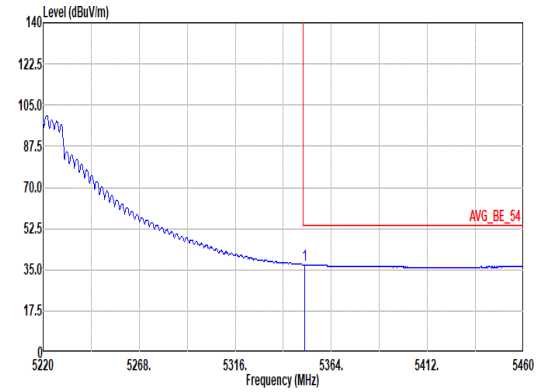
Mode	7	
	Band Edge	
	U-NII-1_5.15-5.25_802.11ax HE20_CH36_Partial_106/53RU _5180MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5143.28 64.95 74.00 -9.05 56.60 33.29 12.80 37.74 0.00 200 56 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5180.00 105.99 ------ ------ 97.86 33.04 12.84 37.75 0.00 200 56 PEAK
Avg	 Site : 03CH20-HY Condition: AVG_BE_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.820kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5149.94 51.65 54.00 -2.35 43.29 33.30 12.80 37.74 0.00 200 56 AVERAGE	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.820kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5180.00 98.46 ------ ------ 90.33 33.04 12.84 37.75 0.00 200 56 AVERAGE

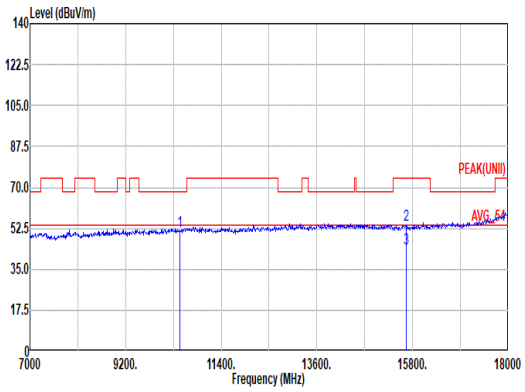
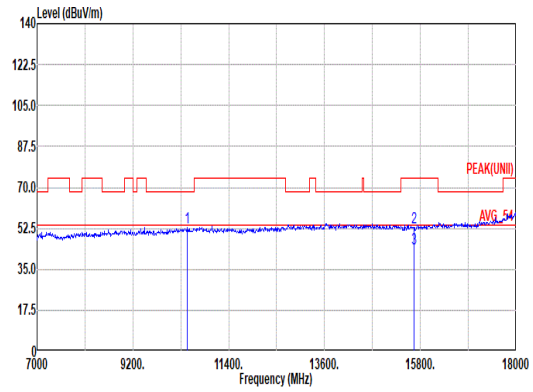
Mode	7	
	Band Edge	
	U-NII-1_5.15-5.25_802.11ax HE20_CH36_Partial_106/53RU _5180MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5148.68 65.78 74.00 -8.22 57.42 33.30 12.80 37.74 0.00 101 0 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 5180.00 106.44 ------ ------ 98.31 33.04 12.84 37.75 0.00 101 0 PEAK
Avg	 Site : 03CH20-HY Condition: AVG_BE_54 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.820kHz 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 5148.86 49.39 54.00 -4.61 41.03 33.30 12.80 37.74 0.00 101 0 AVERAGE	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.820kHz 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 5180.00 98.14 ------ ------ 90.01 33.04 12.84 37.75 0.00 101 0 AVERAGE

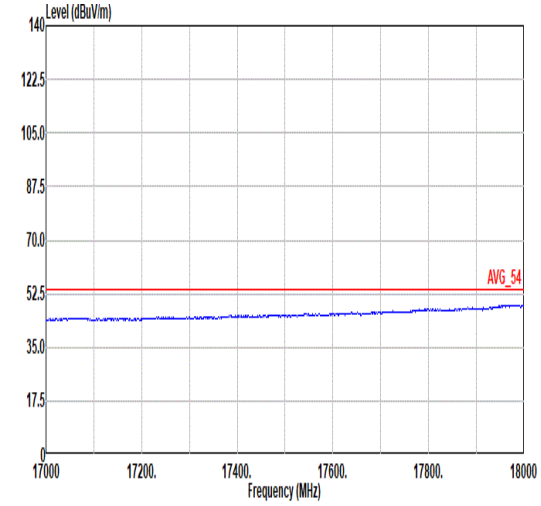
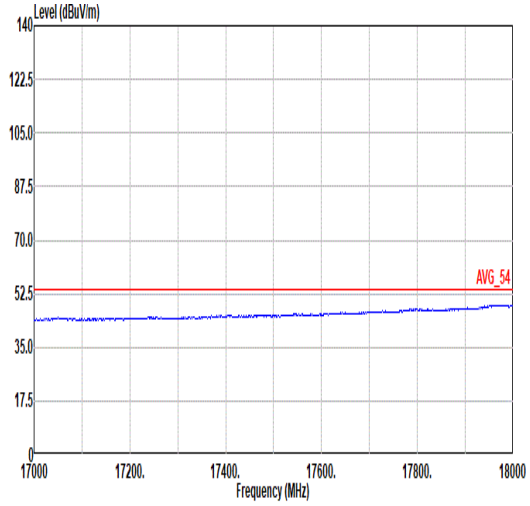
Mode	8	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11ax HE20_CH44_Full RU_5220MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5143.88 61.10 74.00 -12.90 52.75 33.29 12.80 37.74 0.00 193 55 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5220.00 106.69 ------ ------ 98.72 32.85 12.90 37.78 0.00 193 55 PEAK
Avg	 Site : 03CH20-HY Condition: AVG_BE_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5148.28 49.31 54.00 -4.69 40.95 33.30 12.80 37.74 0.00 193 55 AVERAGE	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5220.00 100.47 ------ ------ 92.51 32.84 12.89 37.77 0.00 193 55 AVERAGE

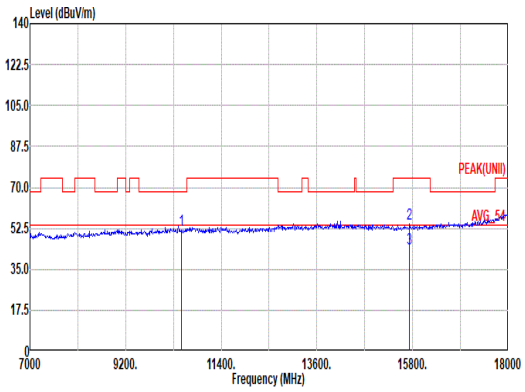
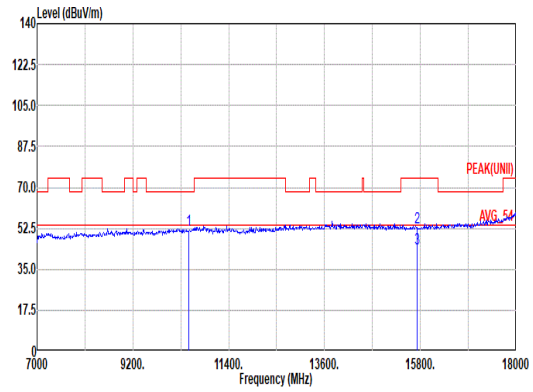
Mode	8	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11ax HE20_CH44_Full RU_5220MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5357.04 47.45 74.00 -26.55 39.12 33.10 13.07 37.84 0.00 193 55 PEAK	Blank
Avg	 Site : 03CH20-HY Condition: AVG_BE_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.32 37.11 54.00 -16.89 28.79 33.10 13.06 37.84 0.00 193 55 AVERAGE	Blank

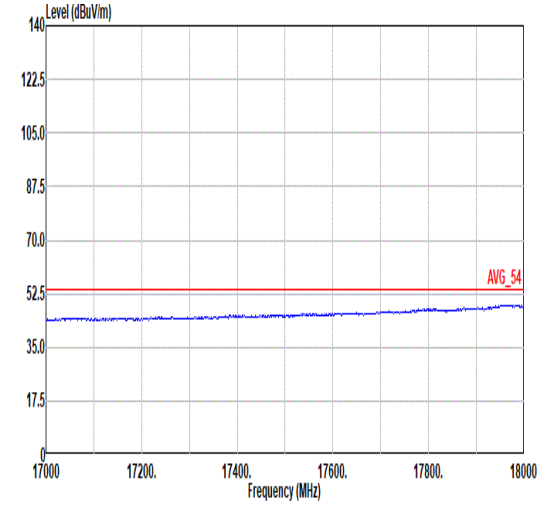
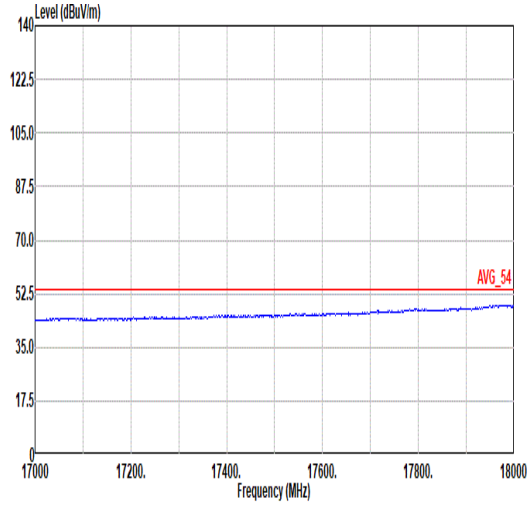
Mode	8	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11ax HE20_CH44_Full RU_5220MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5146.96 61.41 74.00 -12.59 53.06 33.29 12.80 37.74 0.00 244 345 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 5220.00 108.00 ------ ------ 100.03 32.85 12.90 37.78 0.00 244 345 PEAK
Avg	 Site : 03CH20-HY Condition: AVG_BE_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 5149.82 50.90 54.00 -3.10 42.54 33.30 12.80 37.74 0.00 244 345 AVERAGE	 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 5220.00 101.95 ------ ------ 93.98 32.85 12.90 37.78 0.00 244 345 AVERAGE

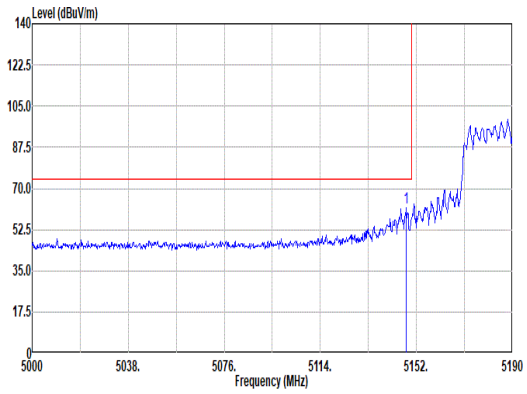
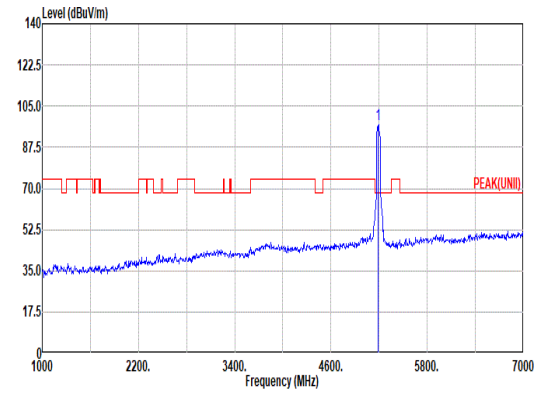
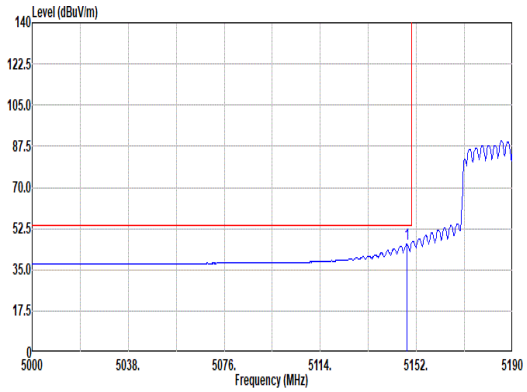
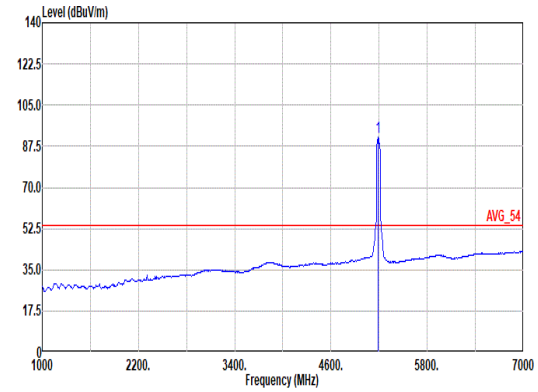
Mode	8	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11ax HE20_CH44_Full RU_5220MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5438.64 47.86 74.00 -26.14 39.56 33.02 13.16 37.88 0.00 244 345 PEAK	Blank
Avg	 Site : 03CH20-HY Condition: AVG_BE_54 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.80 37.21 54.00 -16.79 28.89 33.10 13.06 37.84 0.00 244 345 AVERAGE	Blank

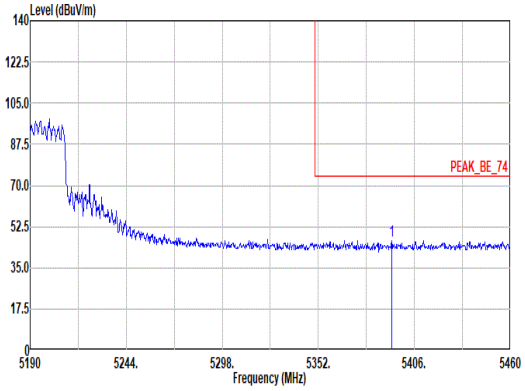
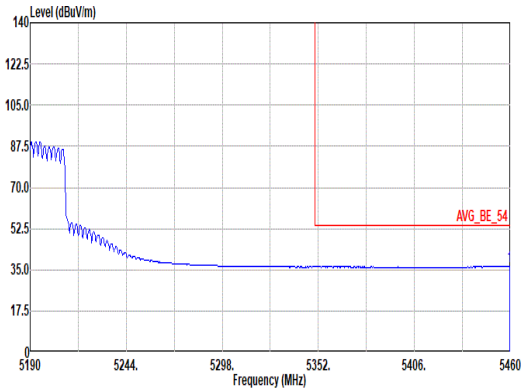
Mode	8	
	Harmonic	
	U-NII-1_5.15-5.25_802.11ax HE20_CH44_Full RU_5220MHz	
ANT	4+3	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 10440.00 51.38 68.20 -16.82 34.76 38.72 18.47 41.39 0.82 -- -- PEAK 2 15660.00 53.85 74.00 -20.15 36.24 38.90 22.76 44.51 0.46 200 180 PEAK 3 15660.00 43.60 54.00 -10.40 25.99 38.90 22.76 44.51 0.46 200 180 Average	 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 10440.00 52.78 68.20 -15.42 36.16 38.72 18.47 41.39 0.82 -- -- PEAK 2 15660.00 52.89 74.00 -21.11 35.28 38.90 22.76 44.51 0.46 200 3 PEAK 3 15660.00 43.71 54.00 -10.29 26.10 38.90 22.76 44.51 0.46 200 3 Average

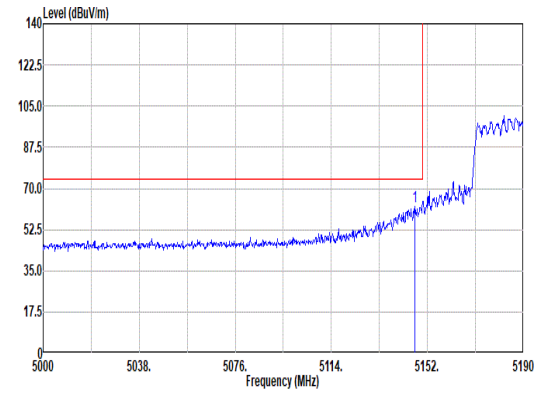
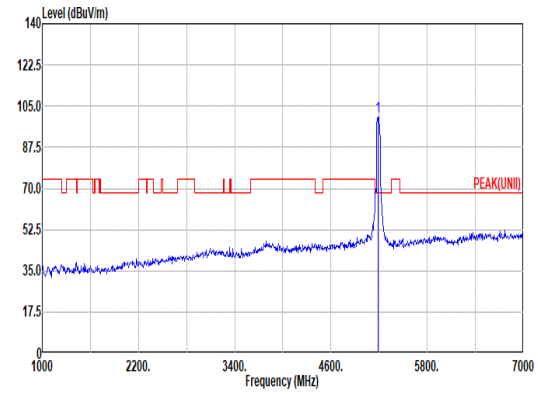
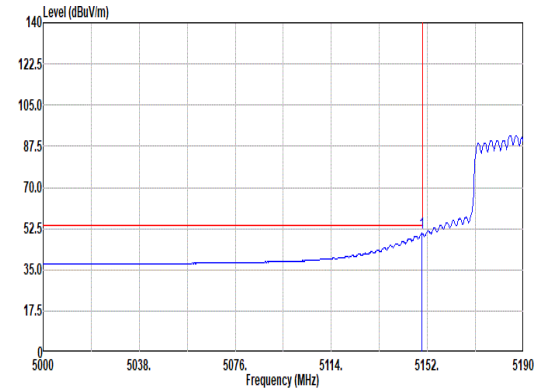
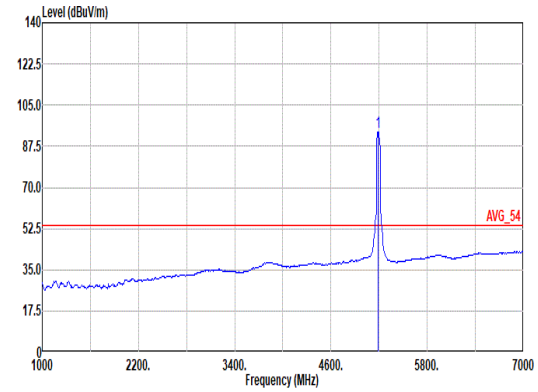
Mode	8	
	Harmonic	
	U-NII-1_5.15-5.25_802.11ax HE20_CH44_Full RU_5220MHz	
ANT	4+3	
Pol.	Horizontal	Vertical
17G ~18G Avg	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 VERTICAL

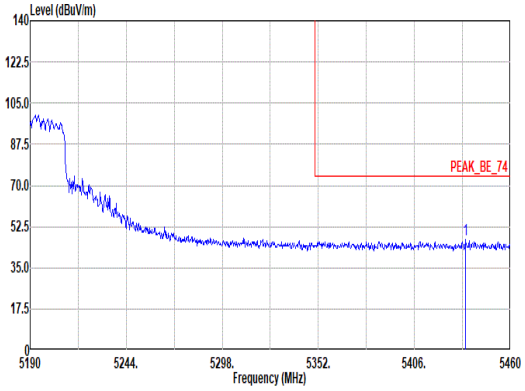
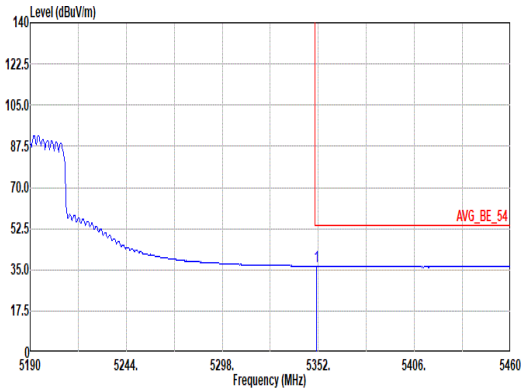
Mode	9	
	Harmonic	
	U-NII-1_5.15-5.25_802.11ax HE20_CH48_Full RU_5240MHz	
ANT	4+3	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_9120D_02360_241101 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 10480.00 51.94 68.20 -16.26 35.39 38.64 18.51 41.41 0.81 -- -- PEAK 2 15720.00 54.21 74.00 -19.79 36.47 38.94 22.81 44.46 0.45 200 29 PEAK 3 15720.00 43.66 54.00 -10.34 25.92 38.94 22.81 44.46 0.45 200 29 Average	 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 10480.00 51.61 68.20 -16.59 35.06 38.64 18.51 41.41 0.81 -- -- PEAK 2 15720.00 52.87 74.00 -21.13 35.13 38.94 22.81 44.46 0.45 200 287 PEAK 3 15720.00 43.61 54.00 -10.39 25.87 38.94 22.81 44.46 0.45 200 287 Average

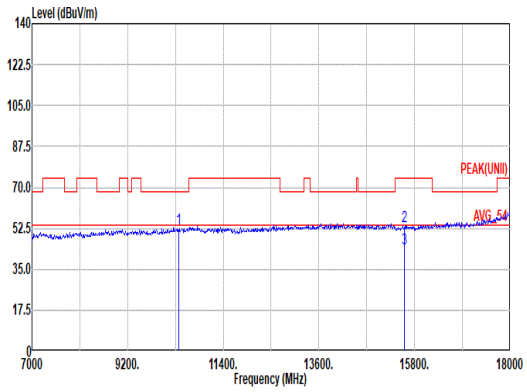
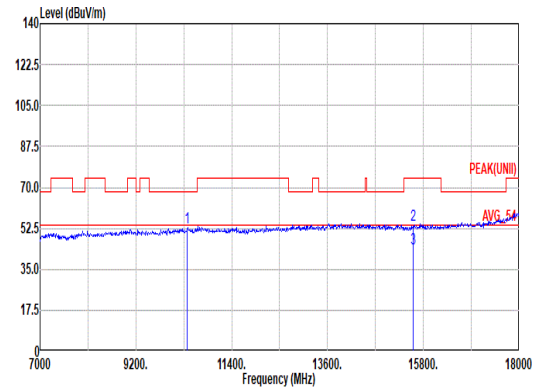
Mode	9	
	Harmonic	
	U-NII-1_5.15-5.25_802.11ax HE20_CH48_Full RU_5240MHz	
ANT	4+3	
Pol.	Horizontal	Vertical
17G ~18G Avg	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 HORIZONTAL	 Site : 03CH20-HY Condition: AVG_54 3m HF_9120D_02360_241101 VERTICAL

Mode	10	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11ax HE40_CH38_Full RU_5190MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 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 5148.01 61.72 74.00 -12.28 53.36 33.30 12.80 37.74 0.00 150 63 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 5190.00 97.21 ------ ------ 89.25 32.86 12.86 37.76 0.00 150 63 PEAK
Avg	 Site : 03CH20-HY Condition: AVG_BE_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 5148.20 45.86 54.00 -8.14 37.50 33.30 12.80 37.74 0.00 150 63 AVERAGE	 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 5190.00 91.20 ------ ------ 83.19 32.92 12.85 37.76 0.00 150 63 AVERAGE

Mode	10	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11ax HE40_CH38_Full RU_5190MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5393.31 46.66 74.00 -27.34 38.31 33.10 13.11 37.86 0.00 150 63 PEAK	Blank
Avg	 Site : 03CH20-HY Condition: AVG_BE_54 3m HF_9120D_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5459.46 36.38 54.00 -17.62 28.10 32.98 13.19 37.89 0.00 150 63 AVERAGE	Blank

Mode	10	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11ax HE40_CH38_Full RU_5190MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 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 5147.06 62.50 74.00 -11.50 54.15 33.29 12.80 37.74 0.00 265 337 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 5190.00 100.48 ------ ------ 92.47 32.92 12.85 37.76 0.00 265 337 PEAK
Avg	 Site : 03CH20-HY Condition: AVG_BE_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 5149.72 50.48 54.00 -3.52 42.12 33.30 12.80 37.74 0.00 265 337 AVERAGE	 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 5190.00 93.65 ------ ------ 85.69 32.86 12.86 37.76 0.00 265 337 AVERAGE

Mode	10	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11ax HE40_CH38_Full RU_5190MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5434.89 47.21 74.00 -26.79 38.90 33.03 13.16 37.88 0.00 265 337 PEAK	Blank
Avg	 Site : 03CH20-HY Condition: AVG_BE_54 3m HF_9120D_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.92 36.57 54.00 -17.43 28.25 33.10 13.06 37.84 0.00 265 337 AVERAGE	Blank

Mode	10	
	Harmonic	
	U-NII-1_5.15-5.25_802.11ax HE40_CH38_Full RU_5190MHz	
ANT	4+3	
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 10380.00 52.35 68.20 -15.85 35.67 38.80 18.42 41.36 0.82 -- -- PEAK 2 15570.00 53.16 74.00 -20.84 35.44 39.14 22.69 44.58 0.47 200 55 PEAK 3 15570.00 43.68 54.00 -10.32 25.96 39.14 22.69 44.58 0.47 200 55 Average	 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 10380.00 52.61 68.20 -15.59 35.93 38.80 18.42 41.36 0.82 -- -- PEAK 2 15570.00 53.93 74.00 -20.07 36.21 39.14 22.69 44.58 0.47 345 318 PEAK 3 15570.00 43.62 54.00 -10.38 25.90 39.14 22.69 44.58 0.47 345 318 Average