



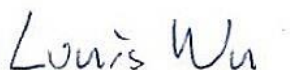
FCC RADIO TEST REPORT

FCC ID : 2AGOZ-NU4
Equipment : SMART GLASSES
Brand Name : 

Model Name : NU4, Aria Gen 2
Applicant : Meta Platforms Technologies, LLC
1 Hacker Way, Menlo Park, CA 94025, USA
Manufacturer : Meta Platforms Technologies, LLC
1 Hacker Way, Menlo Park, CA 94025, USA
Standard : FCC Part 15 Subpart E §15.407

The product was received on Dec. 12, 2024 and testing was performed from Jan. 03, 2025 to Feb. 20, 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.



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
FR472626D	01	Initial issue of report	Mar. 26, 2025
FR472626D	02	Revised Appendix A, D and section 1.1 and 1.1.1 This report is an updated version, replacing the report issued on Mar. 26, 2025	Jul. 16, 2025
FR472626D	03	Revise Appendix A This report is an updated version, replacing the report issued on Jul. 16, 2025.	Jul. 17, 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/manufacture 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:

1. 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.
2. The purpose of different model name is for marketing segmentation.

Reviewed by: Avis Chuang

Report Producer: Michelle Chen

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, Sub 1GHz and GNSS.	
Antenna Type WLAN: <Ant. 0>: IFA Antenna <Ant. 1>: IFA Antenna	
Sample 1	L sku
Sample 2	S sku

Antenna information (L sku)		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Ant. 0: 1.08 Ant. 1: 0.11
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	Ant. 0: 1.16 Ant. 1: 0.62
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	Ant. 0: 2.22 Ant. 1: 0.97

Antenna information (S sku)		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Ant. 0: 0.91 Ant. 1: 0.09
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	Ant. 0: 1.01 Ant. 1: 0.56
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	Ant. 0: 0.82 Ant. 1: -0.31

Remark: The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

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 $N_{ANT} \leq 4$.

Directional gain = $10 \log[(10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_N/10})/N_{ANT}]$ dBi.

For PSD measurements, the directional gain calculation.

Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB.

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

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 k th antenna is being fed by spatial stream j , or zero if it is not;
 G_k is the gain in dBi of the k th antenna.

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

Directional gain = $10 \cdot \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}]$ dBi

Where $G_1, G_2, \dots, G_N$ denote single antenna gain.

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

				DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
		Ant 0 (dBi)	Ant 1 (dBi)				
Band I	Sample 1 (L sku)	1.08	0.11	0.62	3.62	0.00	0.00
Band I	Sample 2 (S sku)	0.91	0.09	0.52	3.52	0.00	0.00
Band II	Sample 1 (L sku)	1.16	0.62	0.90	3.90	0.00	0.00
Band II	Sample 2 (S sku)	1.01	0.56	0.79	3.80	0.00	0.00
Band III	Sample 1 (L sku)	2.22	0.97	1.64	4.63	0.00	0.00
Band III	Sample 2 (S sku)	0.82	-0.31	0.29	3.28	0.00	0.00

Calculation example:

If a device has two antenna, $G_{ANT0} = 1.08\text{dBi}$; $G_{ANT1} = 0.11\text{dBi}$

Directional gain of power derived from formula which is

$$10 \times \log \left\{ \left[10^{\frac{1.08}{10}} + 10^{\frac{0.11}{10}} \right] / 2 \right\}$$

$$= 0.62 \text{ dBi}$$

Directional gain of PSD derived from formula which is

$$10 \times \log \left\{ \left[10^{\frac{1.08}{20}} + 10^{\frac{0.11}{20}} \right]^2 / 2 \right\}$$

$$= 3.62 \text{ dBi}$$

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

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

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

Remark:

There are six SKUs, mainly divided into two groups: L-SKU (LSL, LSH, and LLH) and S-SKU (SSL, SLL, and SLH). The difference between the two groups is in the design of the front frame, temple arms, and nose pad. The L-SKU groups share Antenna performance 1 while the S-SKU groups share Antenna performance 2.

For conducted testing, the highest gain condition in two antenna groups was used to ensure compliance in all SKUs.

For radiated testing, we fully tested the antenna configuration with the highest gain in both groups of antennas. We also spot-checked another antenna configuration to ensure compliance in both groups.

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, 03CH11-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 adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
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)	
5150-5350 MHz	50@		5250	
5470-5725 MHz	114@		5570	



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.
3. The above Frequency and Channel with "@ " are 802.11ac VHT160 and 802.11ax HE160.

2.2 Test Mode

This device support 26/52/106/242/484/996-tone RU but does not support 2x996-tone RU on 160MHz channel.

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

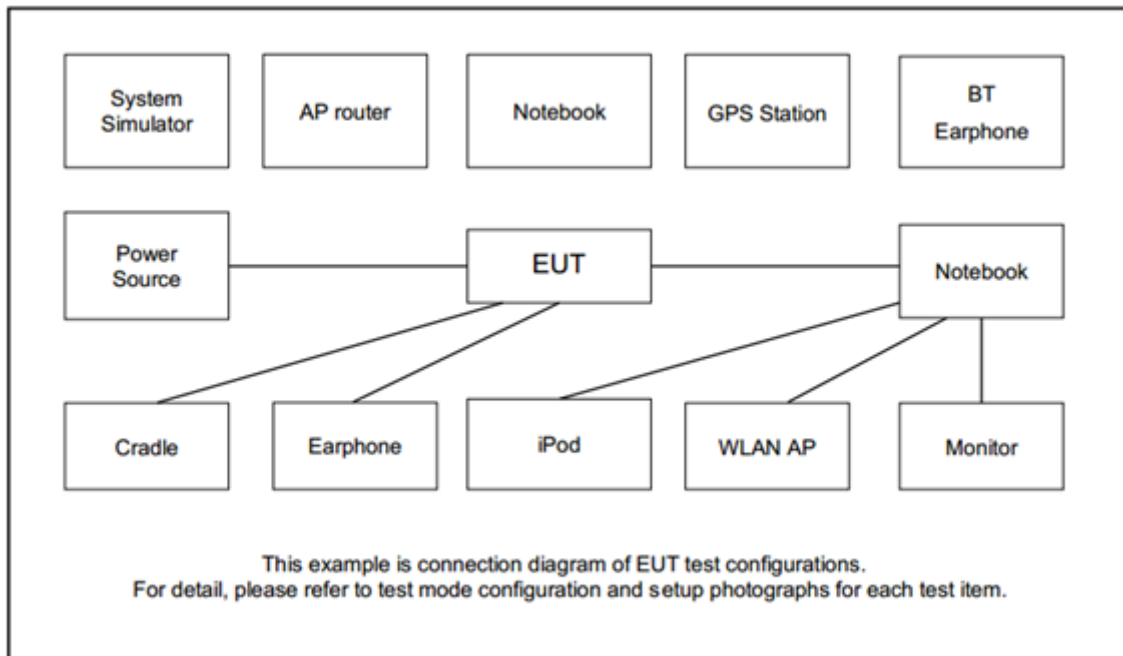
The power for 802.11n mode is smaller than 802.11ac mode, so all other conducted and radiated test is covered by 802.11ac mode.

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

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by VHT20)	MCS0
802.11n HT40 (Covered by VHT40)	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0
802.11ac VHT160	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0
802.11ax HE160	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : 11A TX Channel 60 + USB Cable (Charging from Adapter) for Sample 1 Mode 2 : 11A TX Channel 157 + USB Cable (Charging from Adapter) for Sample 1
Remark: 1. The worst case of Conducted Emission is mode 2; only the test data of it was reported. 2. The detailed Radiated test modes are shown in Appendix C. 3. For radiated test cases, according to antenna gain assessment and RSE pre-scan results on both SKUs, the worst condition is Sample 1 and the full test performed on it. 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



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	AC Adapter	Salcomp	MA0122	N/A	N/A	N/A
2.	USB cable	Cabletech	872-00270-01	N/A	Unshielded, 1m	N/A

2.5 EUT Operation Test Setup

The RF test items, utility "QRCT Version 4.0.118.1" 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.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)}\end{aligned}$$

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for 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.

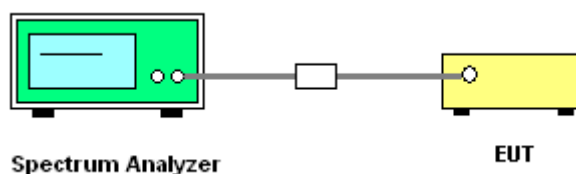
3.1.2 Measuring Instruments

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) $\geq 3 * RBW$.
8. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

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.

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):

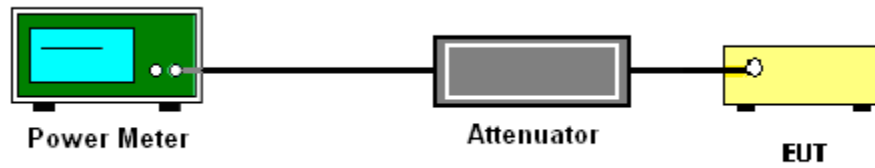
1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
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 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

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

Section F) Maximum power spectral density.

Method SA-2

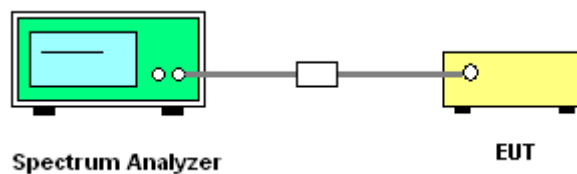
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz.
 - Number of points in sweep $\geq$ 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.

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.

- (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.

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

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 $\geq$ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

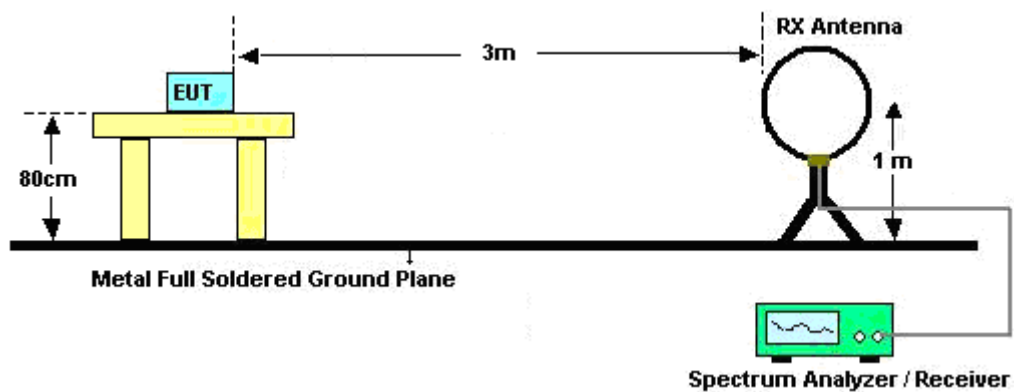
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW $\geq$ 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.

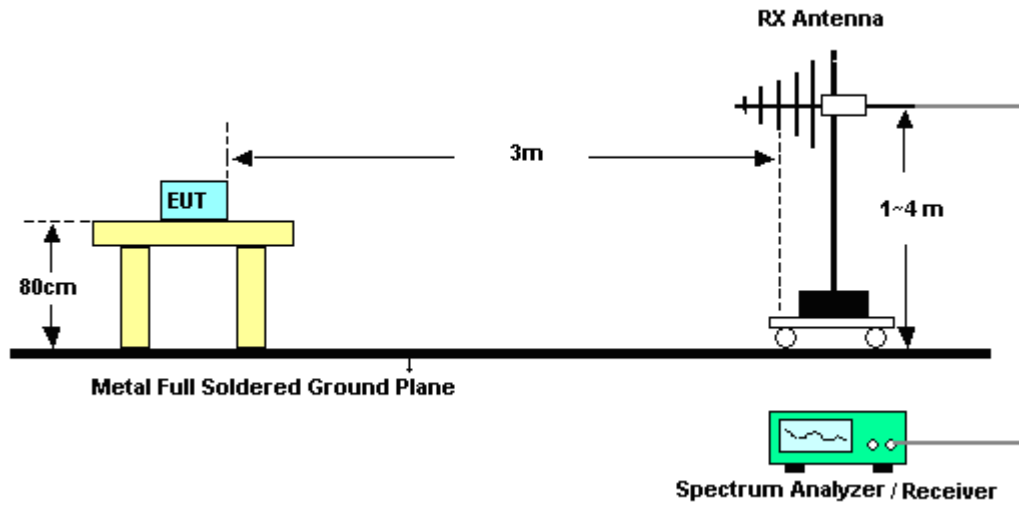
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

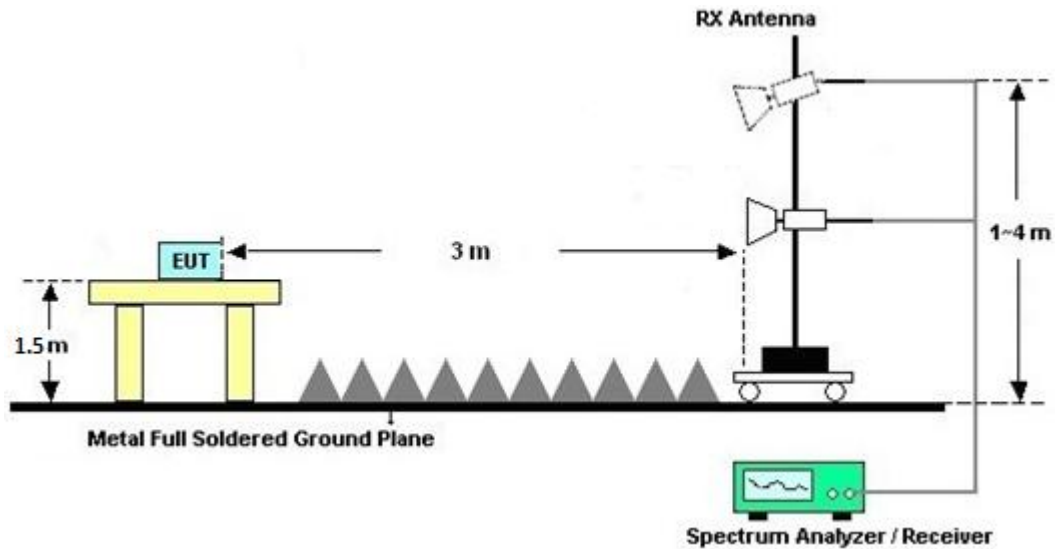
For radiated emissions below 30MHz



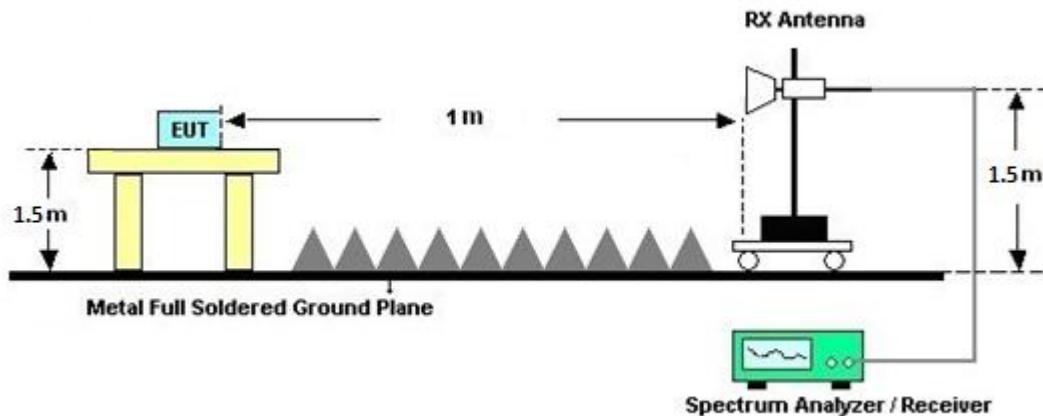
For radiated emissions from 30MHz to 1GHz



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 (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

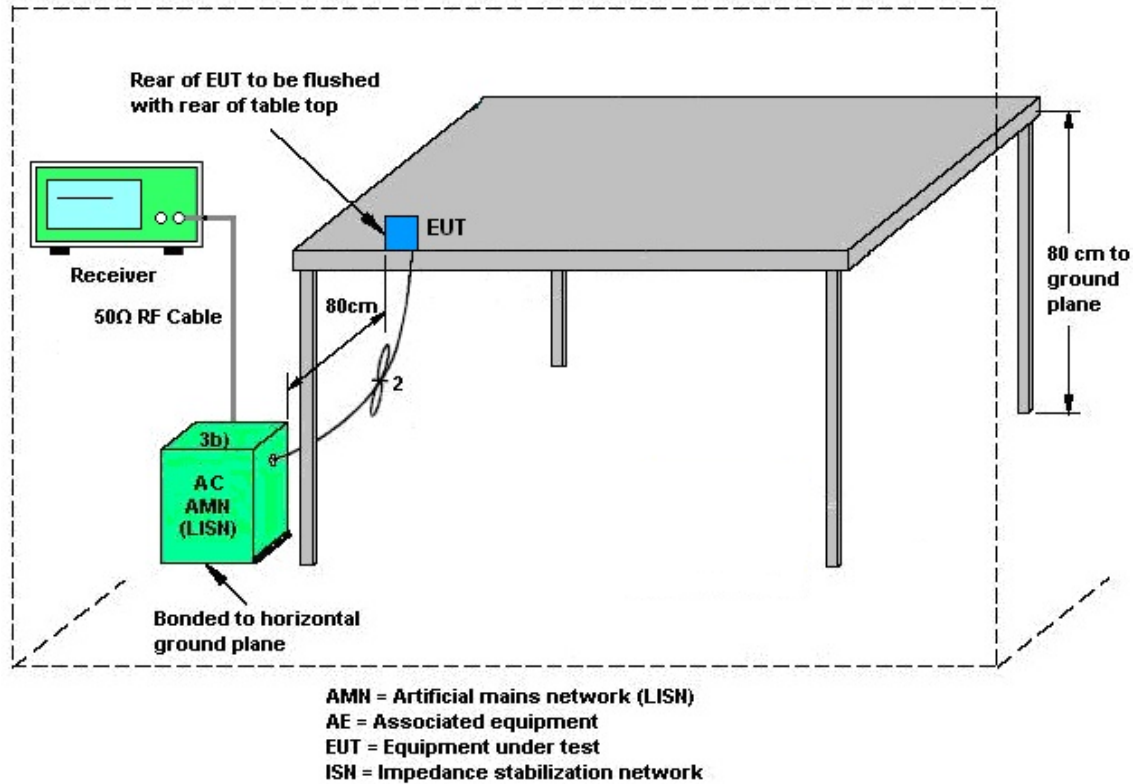
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

Unique (non-standard) antenna connector.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	40103 & 07	30MHz~1GHz	Apr. 12, 2024	Jan. 13, 2025~ Feb. 13, 2025	Apr. 11, 2025	Radiation (03CH11-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Aug. 29, 2024	Jan. 13, 2025~ Feb. 13, 2025	Aug. 28, 2025	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-01620	1GHz~18GHz	Aug. 28, 2024	Jan. 13, 2025~ Feb. 13, 2025	Aug. 27, 2025	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz~40GHz	Jun. 24, 2024	Jan. 13, 2025~ Feb. 13, 2025	Jun. 23, 2025	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 07, 2024	Jan. 13, 2025~ Feb. 13, 2025	Dec. 06, 2025	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Mar. 25, 2024	Jan. 13, 2025~ Feb. 13, 2025	Mar. 24, 2025	Radiation (03CH11-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055007	1GHz~18GHz	Jun. 13, 2024	Jan. 13, 2025~ Feb. 13, 2025	Jun. 12, 2025	Radiation (03CH11-HY)
Preamplifier	EMEC	EM18G40G	060875	18GHz~40GHz	Sep. 11, 2024	Jan. 13, 2025~ Feb. 13, 2025	Sep. 10, 2025	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz~44GHz	Oct. 14, 2024	Jan. 13, 2025~ Feb. 13, 2025	Oct. 13, 2025	Radiation (03CH11-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY55420170	20MHz~8.4GHz	Jul. 19, 2024	Jan. 13, 2025~ Feb. 13, 2025	Jul. 18, 2025	Radiation (03CH11-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Jan. 13, 2025~ Feb. 13, 2025	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Jan. 13, 2025~ Feb. 13, 2025	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Jan. 13, 2025~ Feb. 13, 2025	N/A	Radiation (03CH11-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Jan. 13, 2025~ Feb. 13, 2025	N/A	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTM-303B	TP200722	N/A	Mar. 13, 2024	Jan. 13, 2025~ Feb. 13, 2025	Mar. 12, 2025	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804013/2	30M~40G	May 23, 2024	Jan. 13, 2025~ Feb. 13, 2025	May 22, 2025	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz~40GHz	Mar. 06, 2024	Jan. 13, 2025~ Feb. 13, 2025	Mar. 05, 2025	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 06, 2024	Jan. 13, 2025~ Feb. 13, 2025	Mar. 05, 2025	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	30M~40G	Mar. 06, 2024	Jan. 13, 2025~ Feb. 13, 2025	Mar. 05, 2025	Radiation (03CH11-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40SS	SN3	6.75GHz High Pass Filter	Sep. 10, 2024	Jan. 13, 2025~ Feb. 13, 2025	Sep. 09, 2025	Radiation (03CH11-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN11	1.53GHz Low Pass Filter	Sep. 10, 2024	Jan. 13, 2025~ Feb. 13, 2025	Sep. 09, 2025	Radiation (03CH11-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Jan. 17, 2025	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jan. 17, 2025	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz~200MHz	Oct. 23, 2024	Jan. 17, 2025	Oct. 22, 2025	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 14, 2024	Jan. 17, 2025	Mar. 13, 2025	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 10, 2024	Jan. 17, 2025	Mar. 09, 2025	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 07, 2024	Jan. 17, 2025	Mar. 06, 2025	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 23, 2024	Jan. 17, 2025	Sep. 22, 2025	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI7	100724	9kHz~7GHz	Feb. 20, 2024	Jan. 17, 2025	Feb. 19, 2025	Conduction (CO07-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 01, 2024	Jan. 03, 2025~ Feb. 20, 2025	Oct. 30, 2025	Conducted (TH05-HY)
USB Power Sensor	DARE	RPR3008W	RPR8W-2301 0013 (NO:100)	10MHz~8GHz	Jul. 26, 2024	Jan. 03, 2025~ Feb. 20, 2025	Jul. 25, 2025	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 23, 2024	Jan. 03, 2025~ Feb. 20, 2025	Aug. 22, 2025	Conducted (TH05-HY)
Switch Control Mainframe	Burgeon	ETF-058	EC1300484 (BOX3)	N/A	May 20, 2024	Jan. 03, 2025~ Feb. 20, 2025	May 19, 2025	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_ version_24051 3	N/A	Conducted Other Test Item	N/A	Jan. 03, 2025~ Feb. 20, 2025	N/A	Conducted (TH05-HY)



5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.7 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.4 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.1 dB
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Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.3 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.3 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Hank Hsu	Temperature:	21~25	°C
Test Date:	2025/1/3~2025/2/20	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	36	5180	17.54	17.50	23.52	23.70	-		22.43		-
11a	6Mbps	2	44	5220	17.52	17.56	23.51	23.72	-		22.43		
11a	6Mbps	2	48	5240	17.59	17.59	23.37	23.70	-		22.45		
VHT20	MCS0	2	36	5180	18.31	18.29	24.05	24.43	-		22.62		
VHT20	MCS0	2	44	5220	18.32	18.28	24.25	23.99	-		22.62		
VHT20	MCS0	2	48	5240	18.34	18.29	24.44	24.56	-		22.62		
VHT40	MCS0	2	38	5190	37.69	37.58	48.54	47.31	-		23.01		
VHT40	MCS0	2	46	5230	37.68	37.54	48.00	47.30	-		23.01		
VHT80	MCS0	2	42	5210	76.60	76.60	92.90	91.23	-		23.01		
VHT160	MCS0	2	50	5250	156.18	156.20	177.22	175.92	-		23.01		

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO												
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	36	5180	15.90	14.70	18.35	24.00		0.62		Pass
11a	6Mbps	2	44	5220	15.90	15.00	18.48	24.00		0.62		Pass
11a	6Mbps	2	48	5240	15.90	15.10	18.53	24.00		0.62		Pass
HT20	MCS0	2	36	5180	14.40	13.00	16.77	24.00		0.62		Pass
HT20	MCS0	2	44	5220	14.80	13.90	17.38	24.00		0.62		Pass
HT20	MCS0	2	48	5240	14.80	13.90	17.38	24.00		0.62		Pass
HT40	MCS0	2	38	5190	13.40	12.40	15.94	24.00		0.62		Pass
HT40	MCS0	2	46	5230	13.70	13.10	16.42	24.00		0.62		Pass
VHT20	MCS0	2	36	5180	14.50	13.10	16.87	24.00		0.62		Pass
VHT20	MCS0	2	44	5220	14.90	14.00	17.48	24.00		0.62		Pass
VHT20	MCS0	2	48	5240	14.90	14.00	17.48	24.00		0.62		Pass
VHT40	MCS0	2	38	5190	13.50	12.50	16.04	24.00		0.62		Pass
VHT40	MCS0	2	46	5230	13.80	13.20	16.52	24.00		0.62		Pass
VHT80	MCS0	2	42	5210	13.90	12.80	16.40	24.00		0.62		Pass
VHT160	MCS0	2	50	5250	14.30	12.50	16.50	24.00		0.62		Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	36	5180	0.04	0.04	-		6.42	11.00	3.62		-	Pass	
11a	6Mbps	2	44	5220	0.04	0.04			6.25	11.00	3.62			Pass	
11a	6Mbps	2	48	5240	0.04	0.04			6.55	11.00	3.62			Pass	
VHT20	MCS0	2	36	5180	0.03	0.03			4.53	11.00	3.62			Pass	
VHT20	MCS0	2	44	5220	0.03	0.03			4.86	11.00	3.62			Pass	
VHT20	MCS0	2	48	5240	0.03	0.03			5.12	11.00	3.62			Pass	
VHT40	MCS0	2	38	5190	0.05	0.05			0.67	11.00	3.62			Pass	
VHT40	MCS0	2	46	5230	0.05	0.05			1.16	11.00	3.62			Pass	
VHT80	MCS0	2	42	5210	0.11	0.10			-2.12	11.00	3.62			Pass	
VHT160	MCS0	2	50	5250	0.18	0.19			-3.70	11.00	3.62			Pass	

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	52	5260	17.63	17.52	23.81	23.78	23.44		29.44		23.98		-
11a	6Mbps	2	60	5300	17.58	17.49	23.46	23.75	23.43		29.43		23.98		
11a	6Mbps	2	64	5320	17.63	17.68	23.78	23.78	23.46		29.46		23.98		
VHT20	MCS0	2	52	5260	18.32	18.30	23.92	24.46	23.63		29.63		23.98		
VHT20	MCS0	2	60	5300	18.33	18.30	23.75	23.82	23.63		29.63		23.98		
VHT20	MCS0	2	64	5320	18.34	18.28	24.01	24.27	23.62		29.62		23.98		
VHT40	MCS0	2	54	5270	37.64	37.58	48.10	47.42	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	37.73	37.55	47.90	47.68	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	76.52	76.50	92.77	90.78	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	52	5260	15.90	14.30	18.18	23.98		0.90		30	Pass
11a	6Mbps	2	60	5300	15.70	14.20	18.02	23.98		0.90		30	Pass
11a	6Mbps	2	64	5320	15.60	14.20	17.97	23.98		0.90		30	Pass
HT20	MCS0	2	52	5260	14.80	13.20	17.08	23.98		0.90		30	Pass
HT20	MCS0	2	60	5300	14.50	13.00	16.82	23.98		0.90		30	Pass
HT20	MCS0	2	64	5320	14.50	12.90	16.78	23.98		0.90		30	Pass
HT40	MCS0	2	54	5270	13.50	11.90	15.78	23.98		0.90		30	Pass
HT40	MCS0	2	62	5310	13.70	11.90	15.90	23.98		0.90		30	Pass
VHT20	MCS0	2	52	5260	14.90	13.30	17.18	23.98		0.90		30	Pass
VHT20	MCS0	2	60	5300	14.60	13.10	16.92	23.98		0.90		30	Pass
VHT20	MCS0	2	64	5320	14.60	13.00	16.88	23.98		0.90		30	Pass
VHT40	MCS0	2	54	5270	13.60	12.00	15.88	23.98		0.90		30	Pass
VHT40	MCS0	2	62	5310	13.80	12.00	16.00	23.98		0.90		30	Pass
VHT80	MCS0	2	58	5290	13.90	12.10	16.10	23.98		0.90		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	52	5260	0.04	0.04	-		6.22	11.00	3.90	-		Pass	
11a	6Mbps	2	60	5300	0.04	0.04			5.82	11.00	3.90			Pass	
11a	6Mbps	2	64	5320	0.04	0.04			5.92	11.00	3.90			Pass	
VHT20	MCS0	2	52	5260	0.03	0.03			4.88	11.00	3.90			Pass	
VHT20	MCS0	2	60	5300	0.03	0.03			4.50	11.00	3.90			Pass	
VHT20	MCS0	2	64	5320	0.03	0.03			4.56	11.00	3.90			Pass	
VHT40	MCS0	2	54	5270	0.05	0.05			0.39	11.00	3.90			Pass	
VHT40	MCS0	2	62	5310	0.05	0.05			0.76	11.00	3.90			Pass	
VHT80	MCS0	2	58	5290	0.11	0.10			-2.27	11.00	3.90			Pass	

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (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)	
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1
11a	6Mbps	2	100	5500	17.64	17.66	23.65	23.70	23.46		29.46		23.98		----	----
11a	6Mbps	2	116	5580	17.60	17.56	23.76	23.38	23.45		29.45		23.98		----	----
11a	6Mbps	2	140	5700	17.78	17.61	23.62	23.59	23.46		29.46		23.98		----	----
VHT20	MCS0	2	100	5500	18.36	18.28	23.98	24.06	23.62		29.62		23.98		----	----
VHT20	MCS0	2	116	5580	18.31	18.27	24.03	24.00	23.62		29.62		23.98		----	----
VHT20	MCS0	2	140	5700	18.31	18.27	24.16	24.45	23.62		29.62		23.98		----	----
VHT40	MCS0	2	102	5510	37.71	37.66	47.92	47.25	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	37.71	37.60	49.07	47.26	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	37.75	37.69	48.11	47.71	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	76.52	76.54	91.74	90.08	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	76.58	76.61	92.03	92.32	23.98		30.00		23.98		----	----
VHT160	MCS0	2	114	5570	156.34	156.08	175.63	174.53	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (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)	
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1
11a	6Mbps	2	144	5720	13.78	13.79	16.79	16.65	23.44		29.44		23.98		3.22	3.195
VHT20	MCS0	2	144	5720	14.19	14.12	17.10	16.94	23.62		29.62		23.98		3.835	3.82
VHT40	MCS0	2	142	5710	33.92	33.80	39.35	38.58	23.98		30.00		23.98		3.225	3.207
VHT80	MCS0	2	138	5690	73.26	73.24	81.69	81.40	23.98		30.00		23.98		3.208	3.208
6dB Bandwidth Limit ≥ 500kHz															Pass	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	100	5500	15.70	14.20	18.02	23.98		1.64		30	Pass
11a	6Mbps	2	116	5580	15.70	14.00	17.94	23.98		1.64		30	Pass
11a	6Mbps	2	140	5700	15.80	14.30	18.12	23.98		1.64		30	Pass
HT20	MCS0	2	100	5500	14.50	13.20	16.91	23.98		1.64		30	Pass
HT20	MCS0	2	116	5580	14.50	13.10	16.87	23.98		1.64		30	Pass
HT20	MCS0	2	140	5700	14.80	13.20	17.08	23.98		1.64		30	Pass
HT40	MCS0	2	102	5510	13.40	12.90	16.17	23.98		1.64		30	Pass
HT40	MCS0	2	110	5550	13.40	12.00	15.77	23.98		1.64		30	Pass
HT40	MCS0	2	134	5670	13.60	11.80	15.80	23.98		1.64		30	Pass
VHT20	MCS0	2	100	5500	14.60	13.30	17.01	23.98		1.64		30	Pass
VHT20	MCS0	2	116	5580	14.60	13.20	16.97	23.98		1.64		30	Pass
VHT20	MCS0	2	140	5700	14.90	13.30	17.18	23.98		1.64		30	Pass
VHT40	MCS0	2	102	5510	13.50	13.00	16.27	23.98		1.64		30	Pass
VHT40	MCS0	2	110	5550	13.50	12.10	15.87	23.98		1.64		30	Pass
VHT40	MCS0	2	134	5670	13.70	11.90	15.90	23.98		1.64		30	Pass
VHT80	MCS0	2	106	5530	13.80	11.90	15.96	23.98		1.64		30	Pass
VHT80	MCS0	2	122	5610	13.50	11.40	15.59	23.98		1.64		30	Pass
VHT160	MCS0	2	114	5570	14.30	12.60	16.54	23.98		1.64		30	Pass

FCC U-NII-2C straddle channel MIMO													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	144	5720	15.50	14.30	17.95	23.98		1.64		30	Pass
HT20	MCS0	2	144	5720	14.80	13.70	17.30	23.98		1.64		30	Pass
HT40	MCS0	2	142	5710	13.70	12.00	15.94	23.98		1.64		30	Pass
VHT20	MCS0	2	144	5720	14.90	13.80	17.40	23.98		1.64		30	Pass
VHT40	MCS0	2	142	5710	13.80	12.10	16.04	23.98		1.64		30	Pass
VHT80	MCS0	2	138	5690	13.50	11.70	15.70	23.98		1.64		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	100	5500	0.04	0.04	-		5.61	11.00		4.63		Pass
11a	6Mbps	2	116	5580	0.04	0.04			5.76	11.00		4.63		Pass
11a	6Mbps	2	140	5700	0.04	0.04			5.72	11.00		4.63		Pass
VHT20	MCS0	2	100	5500	0.03	0.03			4.30	11.00		4.63		Pass
VHT20	MCS0	2	116	5580	0.03	0.03			4.53	11.00		4.63		Pass
VHT20	MCS0	2	140	5700	0.03	0.03			4.46	11.00		4.63		Pass
VHT40	MCS0	2	102	5510	0.05	0.05			0.45	11.00		4.63		Pass
VHT40	MCS0	2	110	5550	0.05	0.05			-0.05	11.00		4.63		Pass
VHT40	MCS0	2	134	5670	0.05	0.05			0.18	11.00		4.63		Pass
VHT80	MCS0	2	106	5530	0.11	0.10			-2.87	11.00		4.63		Pass
VHT80	MCS0	2	122	5610	0.11	0.10			-3.07	11.00		4.63		Pass
VHT160	MCS0	2	114	5570	0.18	0.19			-4.12	11.00		4.63		Pass

U-NII-2C straddle channel MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	144	5720	0.04	0.04	-		5.59	11.00		4.63		Pass
VHT20	MCS0	2	144	5720	0.03	0.03			4.77	11.00		4.63		Pass
VHT40	MCS0	2	142	5710	0.05	0.05			0.31	11.00		4.63		Pass
VHT80	MCS0	2	138	5690	0.11	0.10			-3.04	11.00		4.63		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
						Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	36	5180	242/61	19.10	19.09	22.23	22.45	-		22.81		-	-
HE20	MCS0	2	44	5220	242/61	19.11	19.13	22.50	22.66	-		22.81			
HE20	MCS0	2	48	5240	242/61	19.07	19.06	22.61	22.50	-		22.80			
HE40	MCS0	2	38	5190	484/65	38.45	38.45	45.15	44.83	-		23.01			
HE40	MCS0	2	46	5230	484/65	38.43	38.42	45.70	44.98	-		23.01			
HE80	MCS0	2	42	5210	996/67	77.80	77.78	88.70	87.58	-		23.01			
HE160	MCS0	2	50	5250	Full	157.64	157.71	174.05	172.94	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	36	5180	Full	14.70	13.20	17.02	24.00		0.62			Pass
HE20	MCS0	2	36	5180	26/0	5.50	4.10	7.87	24.00		0.62			Pass
HE20	MCS0	2	36	5180	52/37	8.50	7.10	10.87	24.00		0.62			Pass
HE20	MCS0	2	36	5180	106/53	11.60	10.20	13.97	24.00		0.62			Pass
HE20	MCS0	2	36	5180	242/61	14.90	13.30	17.18	24.00		0.62			Pass
HE20	MCS0	2	44	5220	Full	14.50	13.70	17.13	24.00		0.62			Pass
HE20	MCS0	2	44	5220	26/4	6.00	4.90	8.50	24.00		0.62			Pass
HE20	MCS0	2	44	5220	52/38	9.10	8.20	11.68	24.00		0.62			Pass
HE20	MCS0	2	44	5220	106/53	11.40	10.70	14.07	24.00		0.62			Pass
HE20	MCS0	2	44	5220	242/61	14.80	13.70	17.30	24.00		0.62			Pass
HE20	MCS0	2	48	5240	Full	14.70	13.70	17.24	24.00		0.62			Pass
HE20	MCS0	2	48	5240	26/8	5.10	4.40	7.77	24.00		0.62			Pass
HE20	MCS0	2	48	5240	52/40	8.20	7.50	10.87	24.00		0.62			Pass
HE20	MCS0	2	48	5240	106/54	11.20	10.70	13.97	24.00		0.62			Pass
HE20	MCS0	2	48	5240	242/61	14.70	14.00	17.37	24.00		0.62			Pass
HE40	MCS0	2	38	5190	Full	13.60	12.50	16.10	24.00		0.62			Pass
HE40	MCS0	2	38	5190	484/65	13.70	12.60	16.20	24.00		0.62			Pass
HE40	MCS0	2	46	5230	Full	13.40	12.40	15.94	24.00		0.62			Pass
HE40	MCS0	2	46	5230	484/65	13.50	12.50	16.04	24.00		0.62			Pass
HE80	MCS0	2	42	5210	Full	13.60	12.50	16.10	24.00		0.62			Pass
HE80	MCS0	2	42	5210	996/67	13.90	12.80	16.40	24.00		0.62			Pass
HE160	MCS0	2	50	5250	Full	14.20	13.40	16.83	24.00		0.62			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO															
Mod.	Data Rate	N _{TX}	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
						Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	2	36	5180	Full	0.02	0.02			4.08	11.00		3.62		Pass
HE20	MCS0	2	36	5180	26/0	0.02	0.02			4.56	11.00		3.62		Pass
HE20	MCS0	2	36	5180	52/37	0.01	0.02			4.53	11.00		3.62		Pass
HE20	MCS0	2	36	5180	106/53	0.02	0.02			4.65	11.00		3.62		Pass
HE20	MCS0	2	36	5180	242/61	0.02	0.02			4.67	11.00		3.62		Pass
HE20	MCS0	2	44	5220	Full	0.02	0.02			3.92	11.00		3.62		Pass
HE20	MCS0	2	44	5220	26/4	0.02	0.02			3.96	11.00		3.62		Pass
HE20	MCS0	2	44	5220	52/38	0.01	0.02			4.34	11.00		3.62		Pass
HE20	MCS0	2	44	5220	106/53	0.02	0.02			4.44	11.00		3.62		Pass
HE20	MCS0	2	44	5220	242/61	0.02	0.02			4.46	11.00		3.62		Pass
HE20	MCS0	2	48	5240	Full	0.02	0.02			4.15	11.00		3.62		Pass
HE20	MCS0	2	48	5240	26/8	0.02	0.02			4.62	11.00		3.62		Pass
HE20	MCS0	2	48	5240	52/40	0.01	0.02			4.76	11.00		3.62		Pass
HE20	MCS0	2	48	5240	106/54	0.02	0.02			4.65	11.00		3.62		Pass
HE20	MCS0	2	48	5240	242/61	0.02	0.02			4.84	11.00		3.62		Pass
HE40	MCS0	2	38	5190	Full	0.02	0.02			0.14	11.00		3.62		Pass
HE40	MCS0	2	38	5190	484/65	0.02	0.02			0.38	11.00		3.62		Pass
HE40	MCS0	2	46	5230	Full	0.02	0.02			0.04	11.00		3.62		Pass
HE40	MCS0	2	46	5230	484/65	0.02	0.02			0.29	11.00		3.62		Pass
HE80	MCS0	2	42	5210	Full	0.00	0.00			-3.03	11.00		3.62		Pass
HE80	MCS0	2	42	5210	996/67	0.05	0.05		-2.58	11.00		3.62		Pass	
HE160	MCS0	2	50	5250	Full	0.11	0.10		-3.92	11.00		3.62		Pass	

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO																
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
						Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	2	52	5260	242/61	19.07	19.08	22.87	22.53	23.80		29.80		23.98		
HE20	MCS0	2	60	5300	242/61	19.09	19.08	22.79	22.62	23.81		29.81		23.98		
HE20	MCS0	2	64	5320	242/61	19.11	19.08	22.74	22.69	23.81		29.81		23.98		
HE40	MCS0	2	54	5270	484/65	38.38	38.38	44.91	44.88	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	484/65	38.55	38.45	45.34	44.66	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	996/67	77.93	77.94	88.64	86.27	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	52	5260	Full	14.60	12.80	16.80	23.98		0.90		30	Pass
HE20	MCS0	2	52	5260	26/0	5.40	3.40	7.52	23.98		0.90		30	Pass
HE20	MCS0	2	52	5260	52/37	8.40	6.70	10.64	23.98		0.90		30	Pass
HE20	MCS0	2	52	5260	106/53	11.40	9.70	13.64	23.98		0.90		30	Pass
HE20	MCS0	2	52	5260	242/61	14.80	13.00	17.00	23.98		0.90		30	Pass
HE20	MCS0	2	60	5300	Full	14.30	12.80	16.62	23.98		0.90		30	Pass
HE20	MCS0	2	60	5300	26/4	6.30	4.80	8.62	23.98		0.90		30	Pass
HE20	MCS0	2	60	5300	52/38	8.10	6.70	10.47	23.98		0.90		30	Pass
HE20	MCS0	2	60	5300	106/53	11.30	9.90	13.67	23.98		0.90		30	Pass
HE20	MCS0	2	60	5300	242/61	14.60	12.90	16.84	23.98		0.90		30	Pass
HE20	MCS0	2	64	5320	Full	14.30	12.70	16.58	23.98		0.90		30	Pass
HE20	MCS0	2	64	5320	26/8	5.00	3.30	7.24	23.98		0.90		30	Pass
HE20	MCS0	2	64	5320	52/40	8.00	6.50	10.32	23.98		0.90		30	Pass
HE20	MCS0	2	64	5320	106/54	11.10	9.70	13.47	23.98		0.90		30	Pass
HE20	MCS0	2	64	5320	242/61	14.50	12.70	16.70	23.98		0.90		30	Pass
HE40	MCS0	2	54	5270	Full	13.60	11.80	15.80	23.98		0.90		30	Pass
HE40	MCS0	2	54	5270	484/65	13.80	11.90	15.96	23.98		0.90		30	Pass
HE40	MCS0	2	62	5310	Full	13.80	12.00	16.00	23.98		0.90		30	Pass
HE40	MCS0	2	62	5310	484/65	13.90	12.10	16.10	23.98		0.90		30	Pass
HE80	MCS0	2	58	5290	Full	13.60	11.80	15.80	23.98		0.90		30	Pass
HE80	MCS0	2	58	5290	996/67	13.90	12.10	16.10	23.98		0.90		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO															
Mod.	Data Rate	N _{TX}	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
						Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	2	52	5260	Full	0.02	0.02	-		3.93	11.00	3.90		-	Pass
HE20	MCS0	2	52	5260	26/0	0.02	0.02			4.22	11.00	3.90			Pass
HE20	MCS0	2	52	5260	52/37	0.01	0.02			4.36	11.00	3.90			Pass
HE20	MCS0	2	52	5260	106/53	0.02	0.02			4.31	11.00	3.90			Pass
HE20	MCS0	2	52	5260	242/61	0.02	0.02			4.51	11.00	3.90			Pass
HE20	MCS0	2	60	5300	Full	0.02	0.02			3.62	11.00	3.90			Pass
HE20	MCS0	2	60	5300	26/4	0.02	0.02			3.68	11.00	3.90			Pass
HE20	MCS0	2	60	5300	52/38	0.01	0.02			4.07	11.00	3.90			Pass
HE20	MCS0	2	60	5300	106/53	0.02	0.02			4.22	11.00	3.90			Pass
HE20	MCS0	2	60	5300	242/61	0.02	0.02			4.23	11.00	3.90			Pass
HE20	MCS0	2	64	5320	Full	0.02	0.02			3.68	11.00	3.90			Pass
HE20	MCS0	2	64	5320	26/8	0.02	0.02			4.01	11.00	3.90			Pass
HE20	MCS0	2	64	5320	52/40	0.01	0.02			4.15	11.00	3.90			Pass
HE20	MCS0	2	64	5320	106/54	0.02	0.02			4.16	11.00	3.90			Pass
HE20	MCS0	2	64	5320	242/61	0.02	0.02			4.21	11.00	3.90			Pass
HE40	MCS0	2	54	5270	Full	0.02	0.02			-0.11	11.00	3.90			Pass
HE40	MCS0	2	54	5270	484/65	0.02	0.02			0.11	11.00	3.90			Pass
HE40	MCS0	2	62	5310	Full	0.02	0.02			0.29	11.00	3.90			Pass
HE40	MCS0	2	62	5310	484/65	0.02	0.02			0.62	11.00	3.90			Pass
HE80	MCS0	2	58	5290	Full	0.00	0.00			-3.21	11.00	3.90			Pass
HE80	MCS0	2	58	5290	996/67	0.05	0.05			-2.65	11.00	3.90			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																	
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (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)	
						Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1
HE20	MCS0	2	100	5500	242/61	19.10	19.07	22.83	22.59	23.80	29.80	23.98	----	----			
HE20	MCS0	2	116	5580	242/61	19.08	19.06	22.62	22.63	23.80	29.80	23.98	----	----			
HE20	MCS0	2	140	5700	242/61	19.09	19.08	22.98	22.43	23.81	29.81	23.98	----	----			
HE40	MCS0	2	102	5510	484/65	38.45	38.40	45.55	44.35	23.98	30.00	23.98	----	----			
HE40	MCS0	2	110	5550	484/65	38.49	38.53	45.01	44.66	23.98	30.00	23.98	----	----			
HE40	MCS0	2	134	5670	484/65	38.45	38.42	45.68	45.17	23.98	30.00	23.98	----	----			
HE80	MCS0	2	106	5530	996/67	77.82	77.81	88.38	87.62	23.98	30.00	23.98	----	----			
HE80	MCS0	2	122	5610	996/67	77.96	77.91	87.74	87.17	23.98	30.00	23.98	----	----			
HE160	MCS0	2	114	5570	Full	157.83	157.78	173.18	174.53	23.98	30.00	23.98	----	----			

U-NII-2C straddle channel MIMO																	
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (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)	
						Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1
HE20	MCS0	2	144	5720	242/61	14.52	14.50	16.47	16.09	23.80		29.80		23.98		4.56	4.515
HE40	MCS0	2	142	5710	484/65	34.19	34.24	37.27	37.51	23.98		30.00		23.98		4.053	4.08
HE80	MCS0	2	138	5690	996/67	73.85	73.95	79.10	79.03	23.98		30.00		23.98		4.088	4.072
6dB Bandwidth Limit ≥ 500kHz																Pass	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	100	5500	Full	14.30	12.70	16.58	23.98		1.64		30	Pass
HE20	MCS0	2	100	5500	26/0	5.20	3.40	7.40	23.98		1.64		30	Pass
HE20	MCS0	2	100	5500	52/37	7.80	6.60	10.25	23.98		1.64		30	Pass
HE20	MCS0	2	100	5500	106/53	11.20	9.80	13.57	23.98		1.64		30	Pass
HE20	MCS0	2	100	5500	242/61	14.60	13.00	16.88	23.98		1.64		30	Pass
HE20	MCS0	2	116	5580	Full	14.30	12.60	16.54	23.98		1.64		30	Pass
HE20	MCS0	2	116	5580	26/4	6.30	4.70	8.58	23.98		1.64		30	Pass
HE20	MCS0	2	116	5580	52/38	7.90	6.00	10.06	23.98		1.64		30	Pass
HE20	MCS0	2	116	5580	106/53	11.30	9.70	13.58	23.98		1.64		30	Pass
HE20	MCS0	2	116	5580	242/61	14.60	12.90	16.84	23.98		1.64		30	Pass
HE20	MCS0	2	140	5700	Full	14.60	12.80	16.80	23.98		1.64		30	Pass
HE20	MCS0	2	140	5700	26/8	5.30	3.40	7.46	23.98		1.64		30	Pass
HE20	MCS0	2	140	5700	52/40	8.40	6.10	10.41	23.98		1.64		30	Pass
HE20	MCS0	2	140	5700	106/54	11.40	9.70	13.64	23.98		1.64		30	Pass
HE20	MCS0	2	140	5700	242/61	14.80	13.00	17.00	23.98		1.64		30	Pass
HE40	MCS0	2	102	5510	Full	13.50	12.90	16.22	23.98		1.64		30	Pass
HE40	MCS0	2	102	5510	484/65	13.60	12.90	16.27	23.98		1.64		30	Pass
HE40	MCS0	2	110	5550	Full	13.50	12.00	15.82	23.98		1.64		30	Pass
HE40	MCS0	2	110	5550	484/65	13.60	12.10	15.92	23.98		1.64		30	Pass
HE40	MCS0	2	134	5670	Full	13.70	11.80	15.86	23.98		1.64		30	Pass
HE40	MCS0	2	134	5670	484/65	13.80	11.90	15.96	23.98		1.64		30	Pass
HE80	MCS0	2	106	5530	Full	13.40	12.00	15.77	23.98		1.64		30	Pass
HE80	MCS0	2	106	5530	996/67	13.60	12.20	15.97	23.98		1.64		30	Pass
HE80	MCS0	2	122	5610	Full	13.60	11.50	15.69	23.98		1.64		30	Pass
HE80	MCS0	2	122	5610	996/67	13.90	11.80	15.99	23.98		1.64		30	Pass
HE160	MCS0	2	114	5570	Full	14.10	12.20	16.26	23.98		1.64		30	Pass

FCC U-NII-2C straddle channel MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	144	5720	Full	14.10	12.90	16.55	23.98		1.64		30	Pass
HE20	MCS0	2	144	5720	26/8	5.00	3.70	7.41	23.98		1.64		30	Pass
HE20	MCS0	2	144	5720	52/40	7.50	6.20	9.91	23.98		1.64		30	Pass
HE20	MCS0	2	144	5720	106/54	11.20	9.90	13.61	23.98		1.64		30	Pass
HE20	MCS0	2	144	5720	242/61	14.50	13.00	16.82	23.98		1.64		30	Pass
HE40	MCS0	2	142	5710	Full	13.80	12.10	16.04	23.98		1.64		30	Pass
HE40	MCS0	2	142	5710	484/65	13.90	12.20	16.14	23.98		1.64		30	Pass
HE80	MCS0	2	138	5690	Full	13.50	11.90	15.78	23.98		1.64		30	Pass
HE80	MCS0	2	138	5690	996/67	13.80	12.10	16.04	23.98		1.64		30	Pass

TEST RESULTS DATA
Power Spectral Density

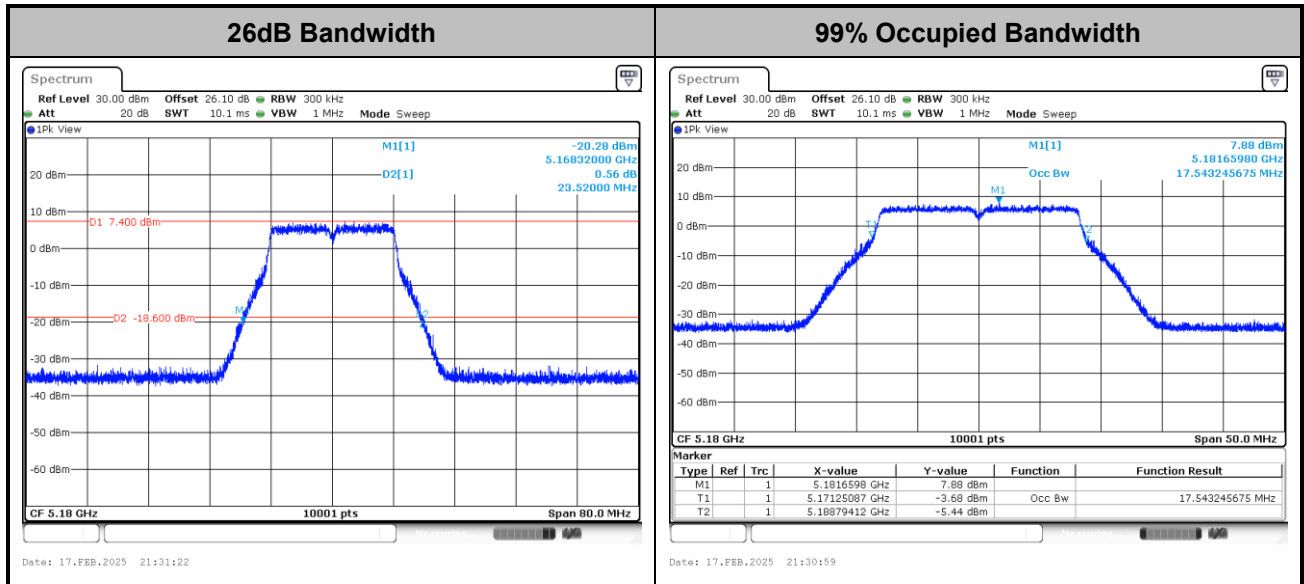
U-NII-2C MIMO																
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	100	5500	Full	0.02	0.02			3.30	11.00		4.63		Pass	
HE20	MCS0	2	100	5500	26/0	0.02	0.02			3.85	11.00		4.63		Pass	
HE20	MCS0	2	100	5500	52/37	0.01	0.02			3.63	11.00		4.63		Pass	
HE20	MCS0	2	100	5500	106/53	0.02	0.02			3.87	11.00		4.63		Pass	
HE20	MCS0	2	100	5500	242/61	0.02	0.02			3.88	11.00		4.63		Pass	
HE20	MCS0	2	116	5580	Full	0.02	0.02			3.50	11.00		4.63		Pass	
HE20	MCS0	2	116	5580	26/4	0.02	0.02			3.99	11.00		4.63		Pass	
HE20	MCS0	2	116	5580	52/38	0.01	0.02			3.76	11.00		4.63		Pass	
HE20	MCS0	2	116	5580	106/53	0.02	0.02			4.05	11.00		4.63		Pass	
HE20	MCS0	2	116	5580	242/61	0.02	0.02			4.08	11.00		4.63		Pass	
HE20	MCS0	2	140	5700	Full	0.02	0.02			3.48	11.00		4.63		Pass	
HE20	MCS0	2	140	5700	26/8	0.02	0.02			4.00	11.00		4.63		Pass	
HE20	MCS0	2	140	5700	52/40	0.01	0.02			3.89	11.00		4.63		Pass	
HE20	MCS0	2	140	5700	106/54	0.02	0.02			3.99	11.00		4.63		Pass	
HE20	MCS0	2	140	5700	242/61	0.02	0.02			4.02	11.00		4.63		Pass	
HE40	MCS0	2	102	5510	Full	0.02	0.02			0.03	11.00		4.63		Pass	
HE40	MCS0	2	102	5510	484/65	0.02	0.02			0.38	11.00		4.63		Pass	
HE40	MCS0	2	110	5550	Full	0.02	0.02			-0.53	11.00		4.63		Pass	
HE40	MCS0	2	110	5550	484/65	0.02	0.02			-0.15	11.00		4.63		Pass	
HE40	MCS0	2	134	5670	Full	0.02	0.02			-0.18	11.00		4.63		Pass	
HE40	MCS0	2	134	5670	484/65	0.02	0.02		0.14	11.00		4.63	Pass			
HE80	MCS0	2	106	5530	Full	0.00	0.00		-3.60	11.00		4.63	Pass			
HE80	MCS0	2	106	5530	996/67	0.05	0.05		-3.17	11.00		4.63	Pass			
HE80	MCS0	2	122	5610	Full	0.00	0.00		-3.41	11.00		4.63	Pass			
HE80	MCS0	2	122	5610	996/67	0.05	0.05		-2.99	11.00		4.63	Pass			
HE160	MCS0	2	114	5570	Full	0.11	0.10		-4.63	11.00		4.63	Pass			

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	144	5720	Full	0.02	0.02	-		3.37	11.00		4.63	-	Pass	
HE20	MCS0	2	144	5720	26/8	0.02	0.02			3.90	11.00		4.63		Pass	
HE20	MCS0	2	144	5720	52/40	0.01	0.02			3.46	11.00		4.63		Pass	
HE20	MCS0	2	144	5720	106/54	0.02	0.02			3.89	11.00		4.63		Pass	
HE20	MCS0	2	144	5720	242/61	0.02	0.02			3.92	11.00		4.63		Pass	
HE40	MCS0	2	142	5710	Full	0.02	0.02			-0.10	11.00		4.63		Pass	
HE40	MCS0	2	142	5710	484/65	0.02	0.02			0.30	11.00		4.63		Pass	
HE80	MCS0	2	138	5690	Full	0.00	0.00			-3.44	11.00		4.63		Pass	
HE80	MCS0	2	138	5690	996/67	0.05	0.05			-2.88	11.00		4.63		Pass	

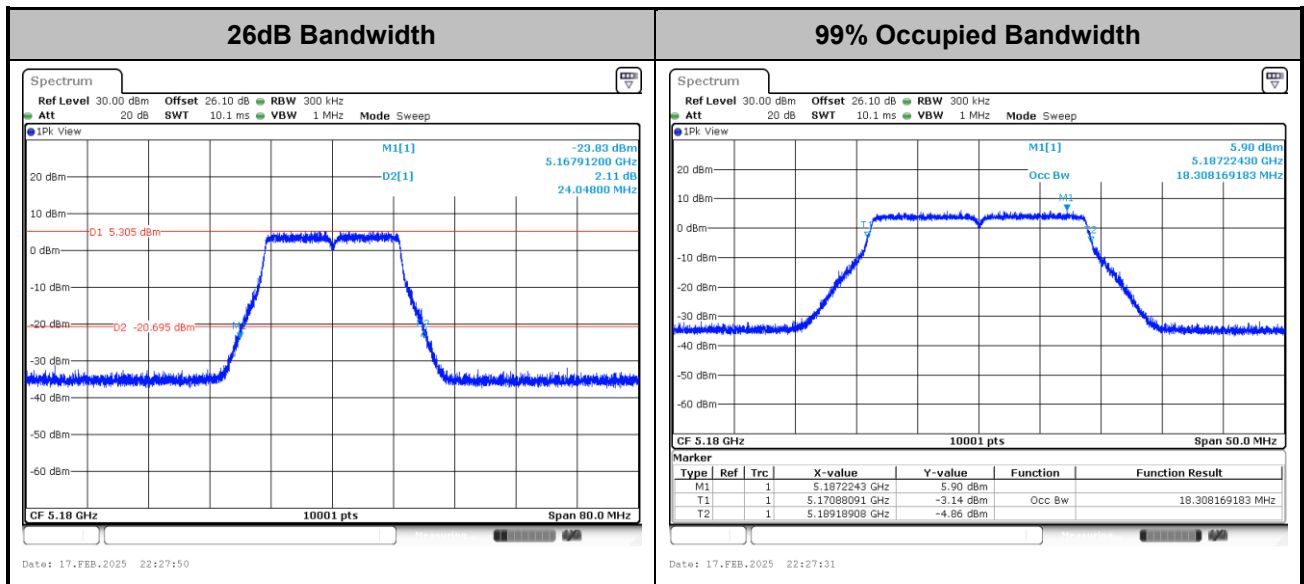
**Test Result of 26dB & 99% Occupied Bandwidth**

MIMO <Ant. 0+1>

<802.11a>

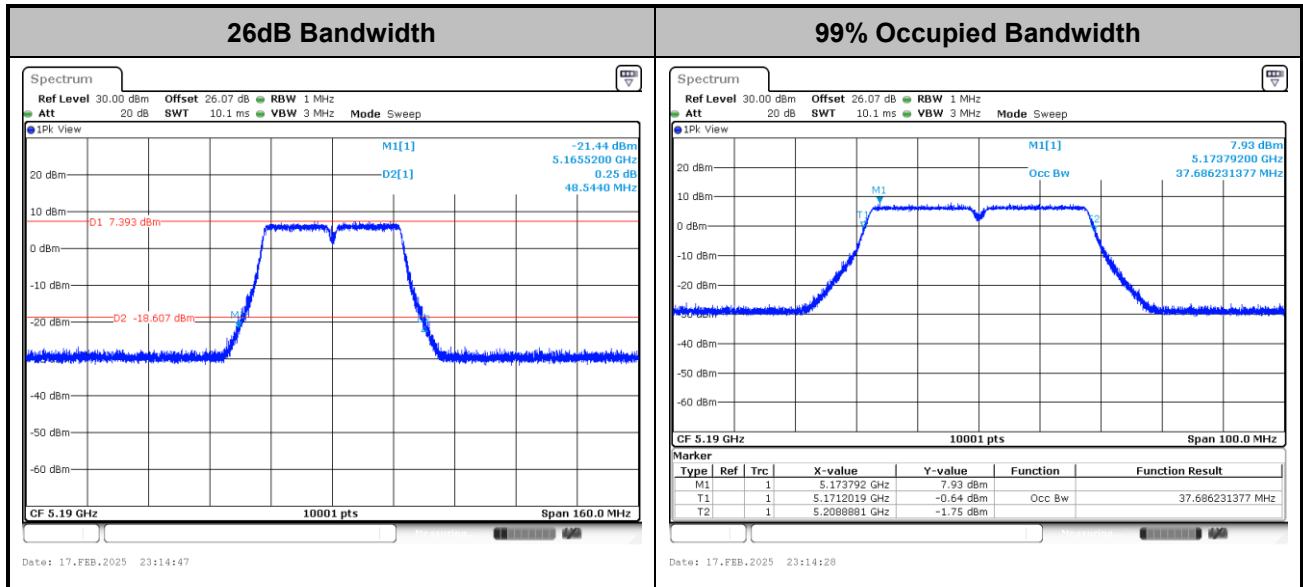


<802.11ac VHT20>



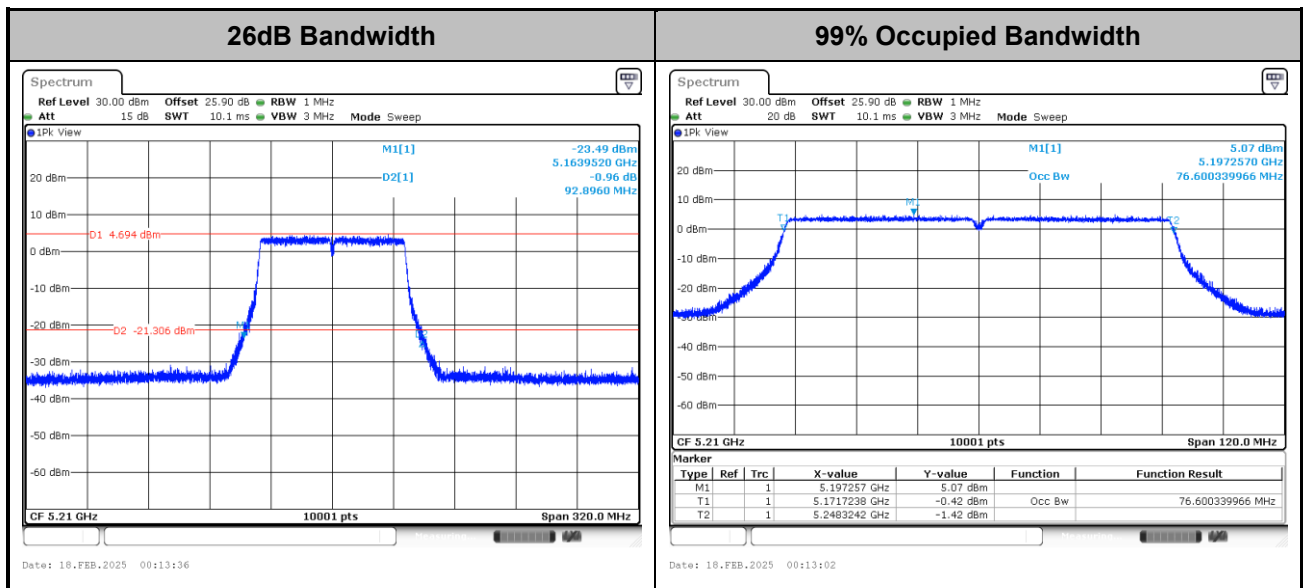


<802.11ac VHT40>



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

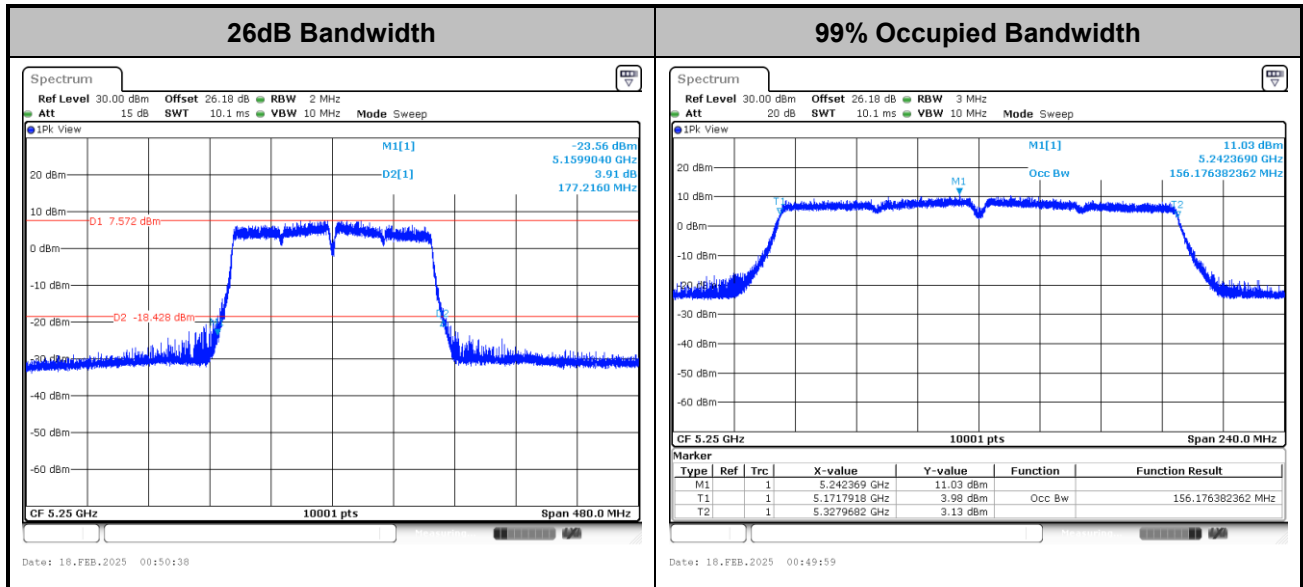
<802.11ac VHT80>



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

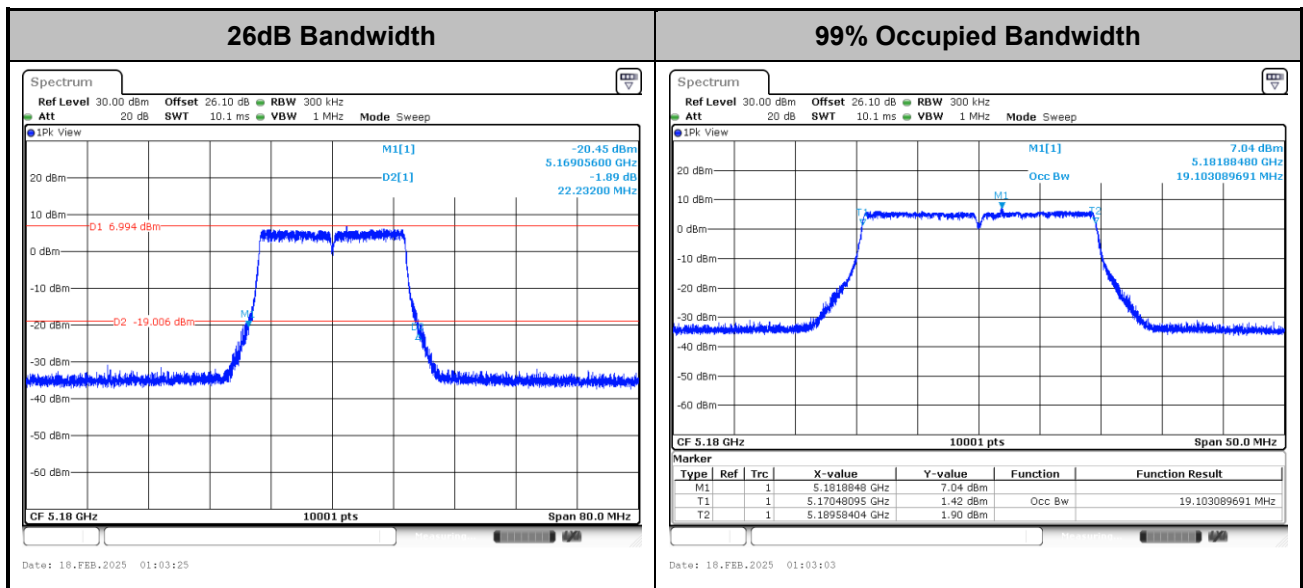


<802.11ac VHT160>



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

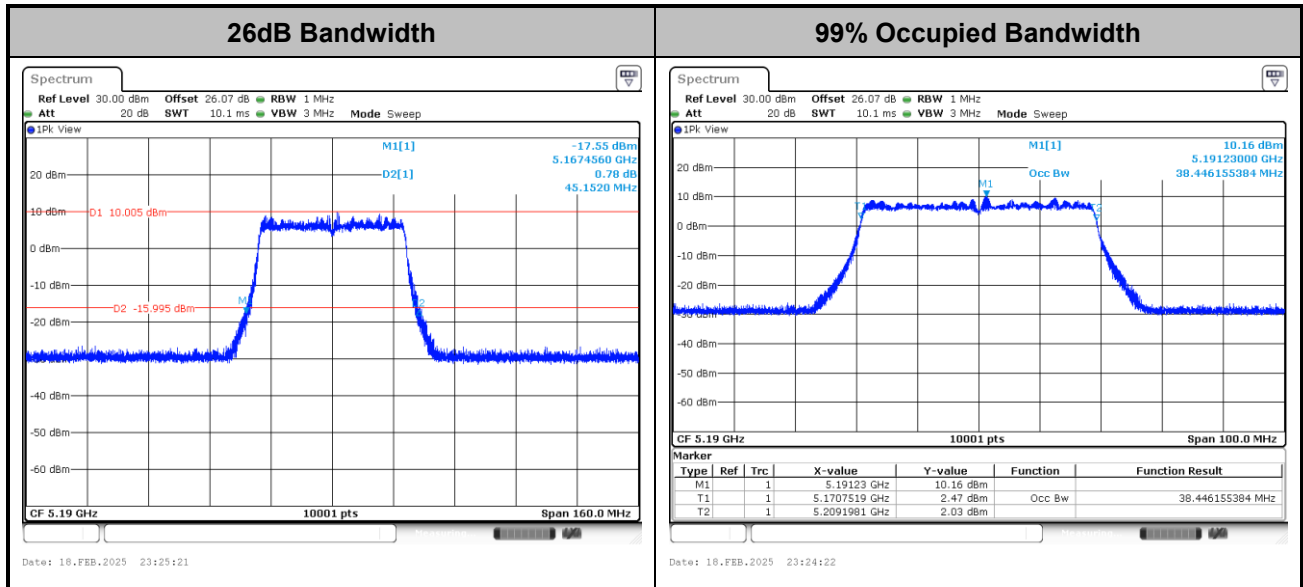
<802.11ax HE20>



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

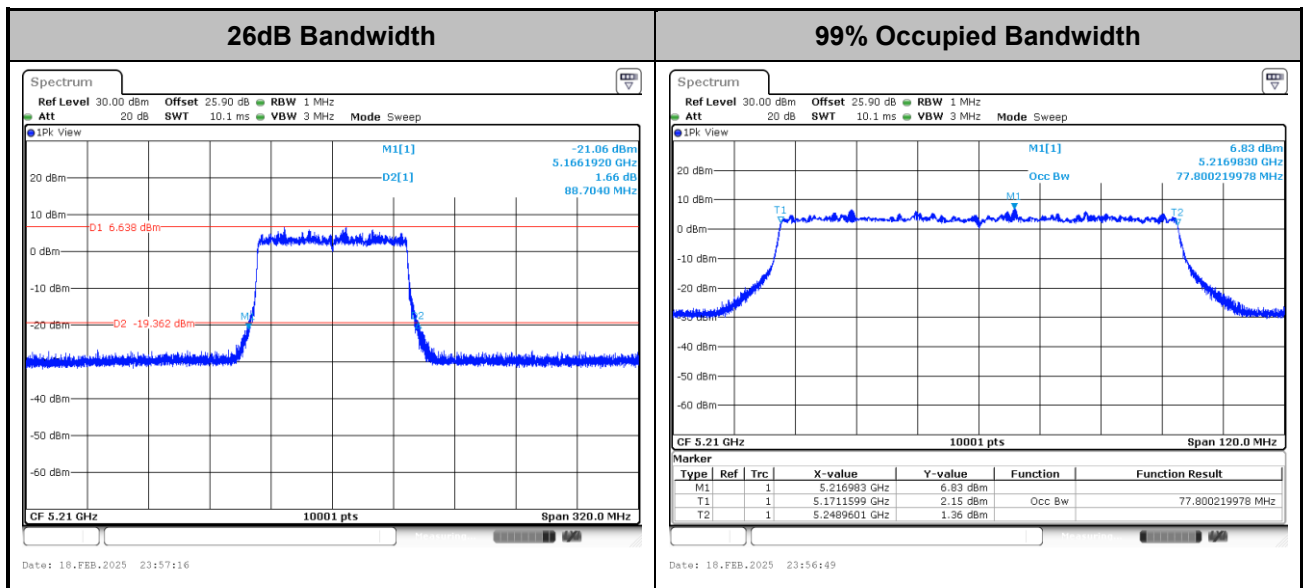


<802.11ax HE40>



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

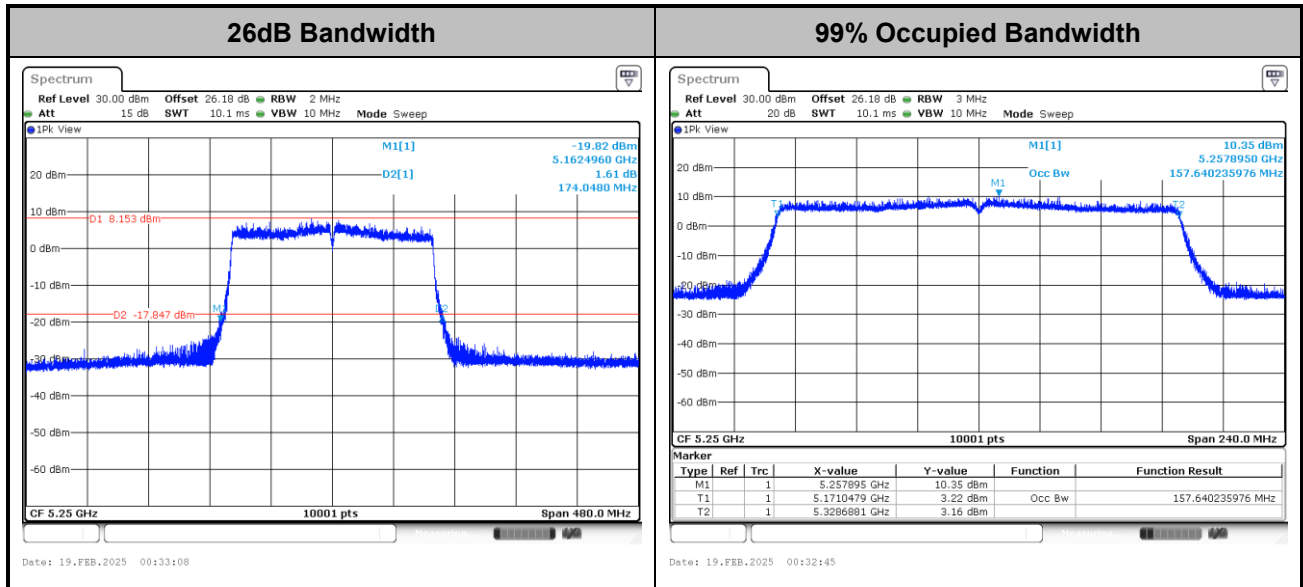
<802.11ax HE80>



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



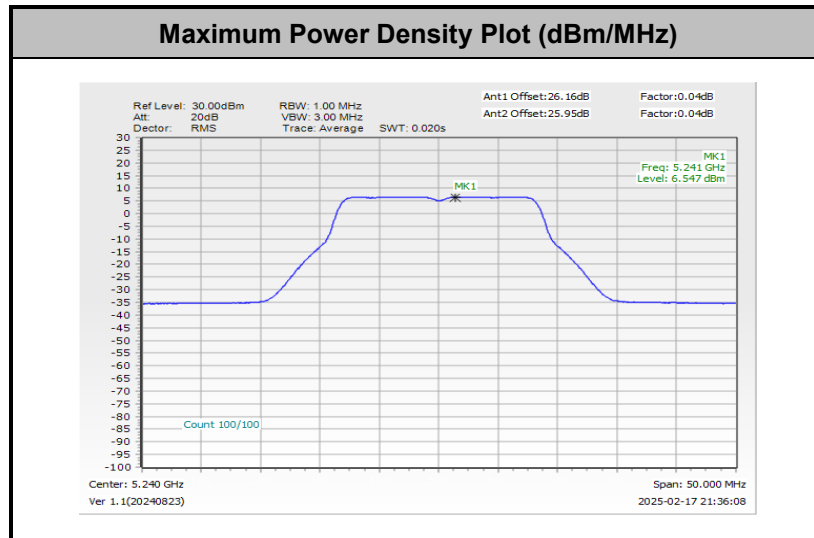
<802.11ax HE160>



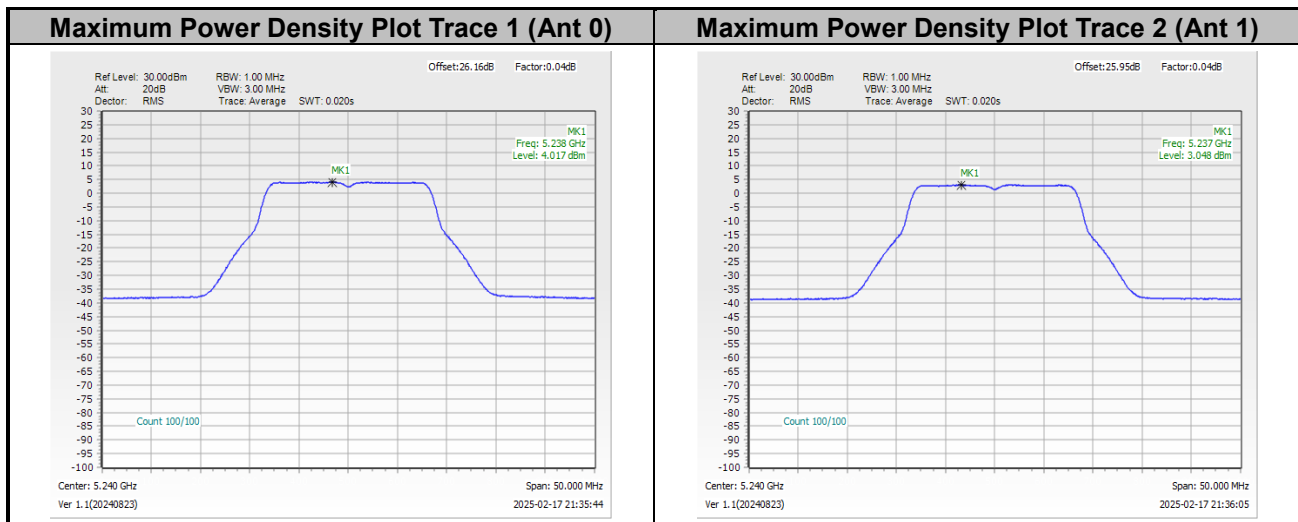
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

**Test Result of Power Spectral Density**

<802.11a>

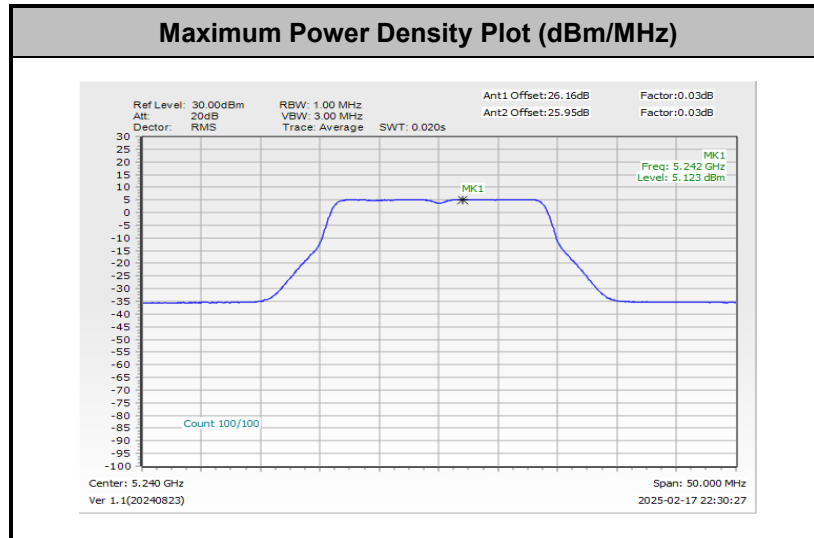


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

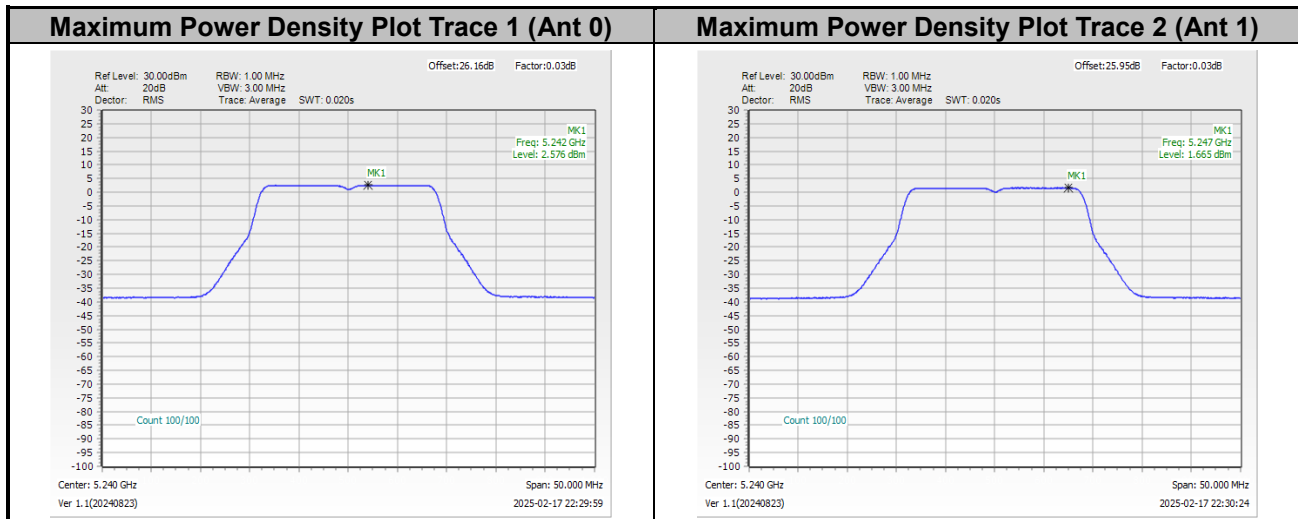




<802.11ac VHT20>

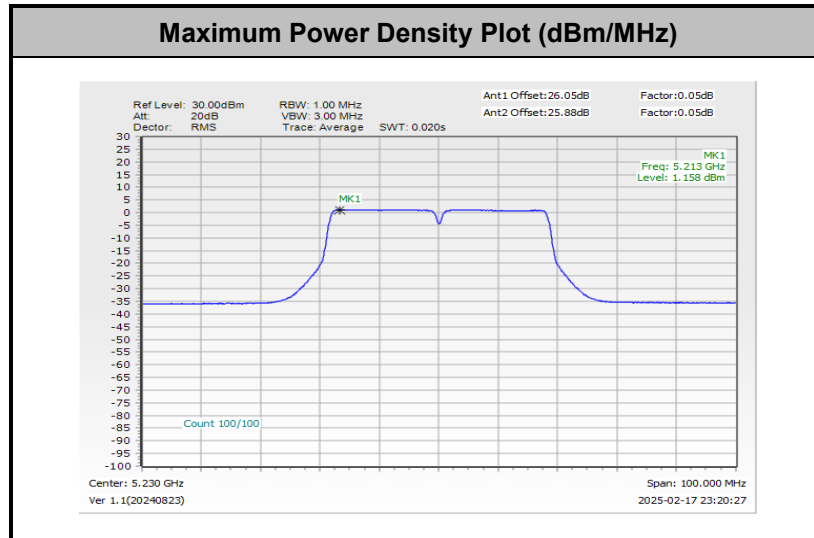


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

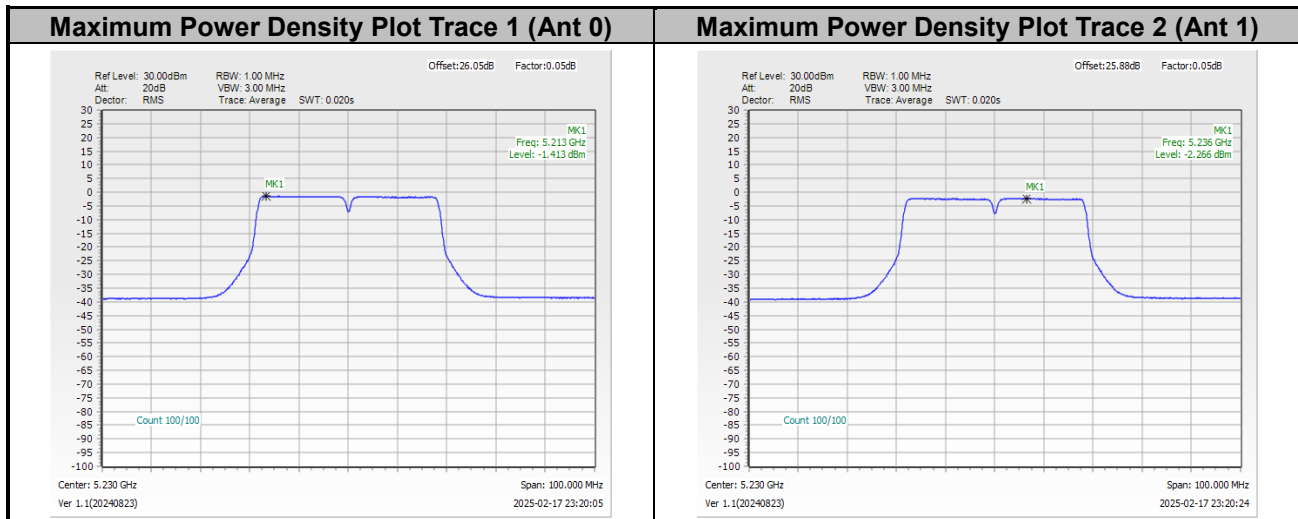




<802.11ac VHT40>

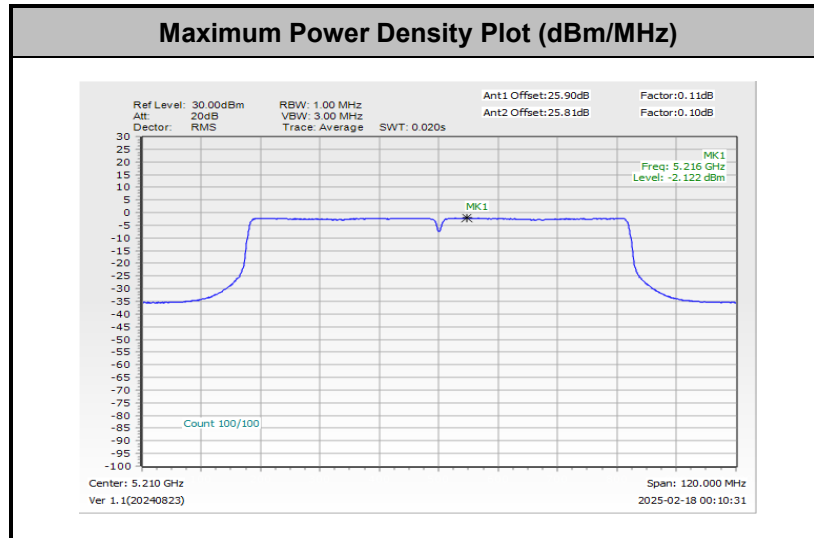


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

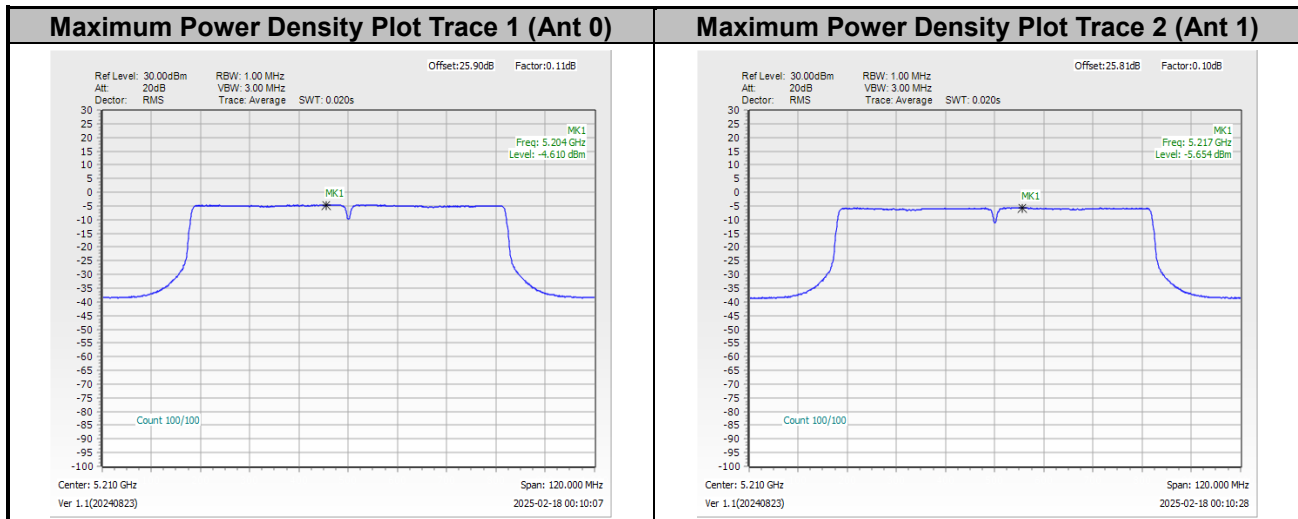




<802.11ac VHT80>

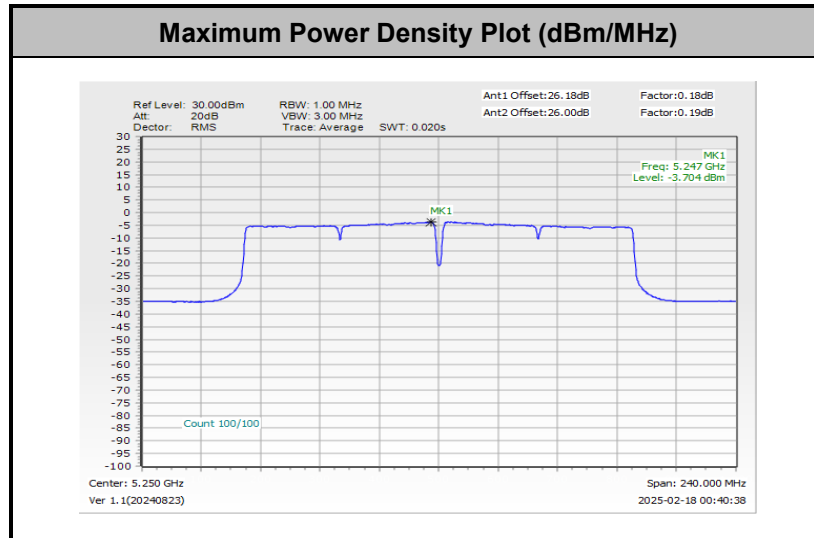


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

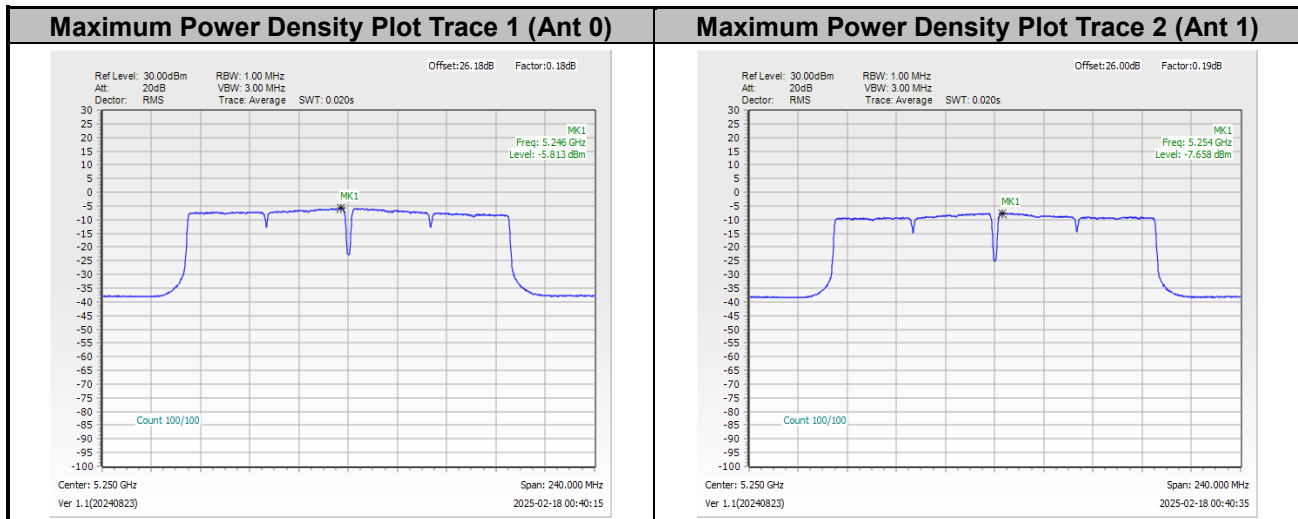




<802.11ac VHT160>

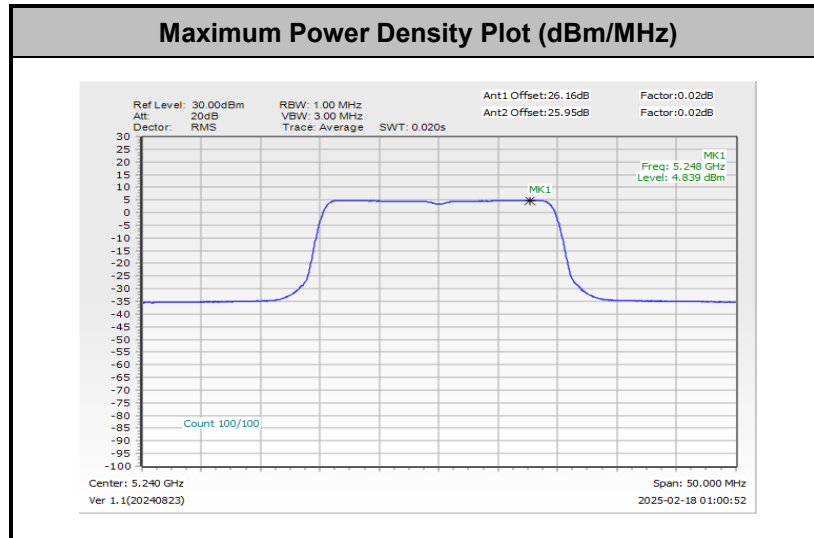


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

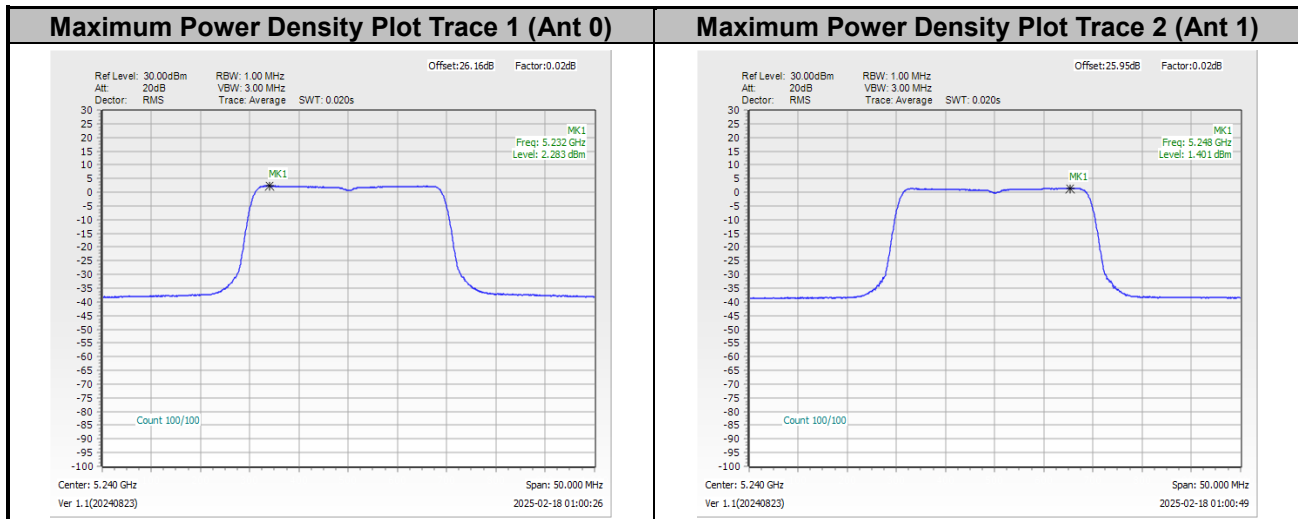




<802.11ax HE20>

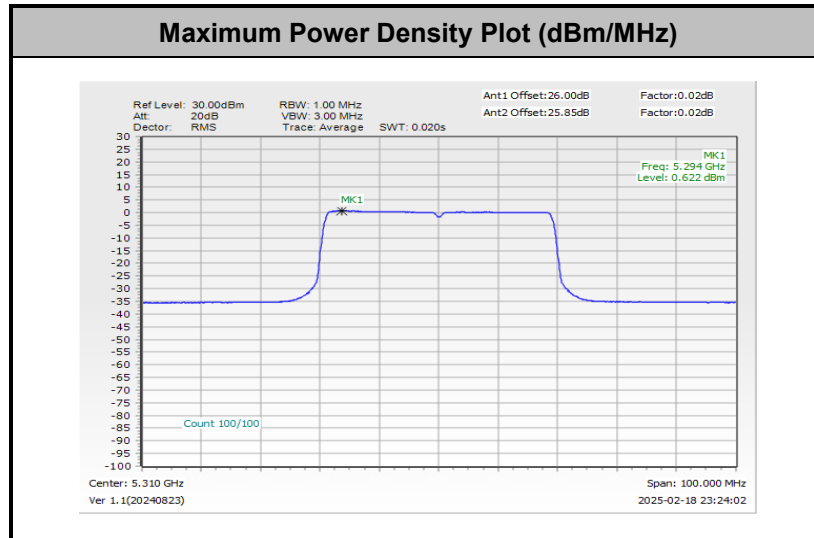


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

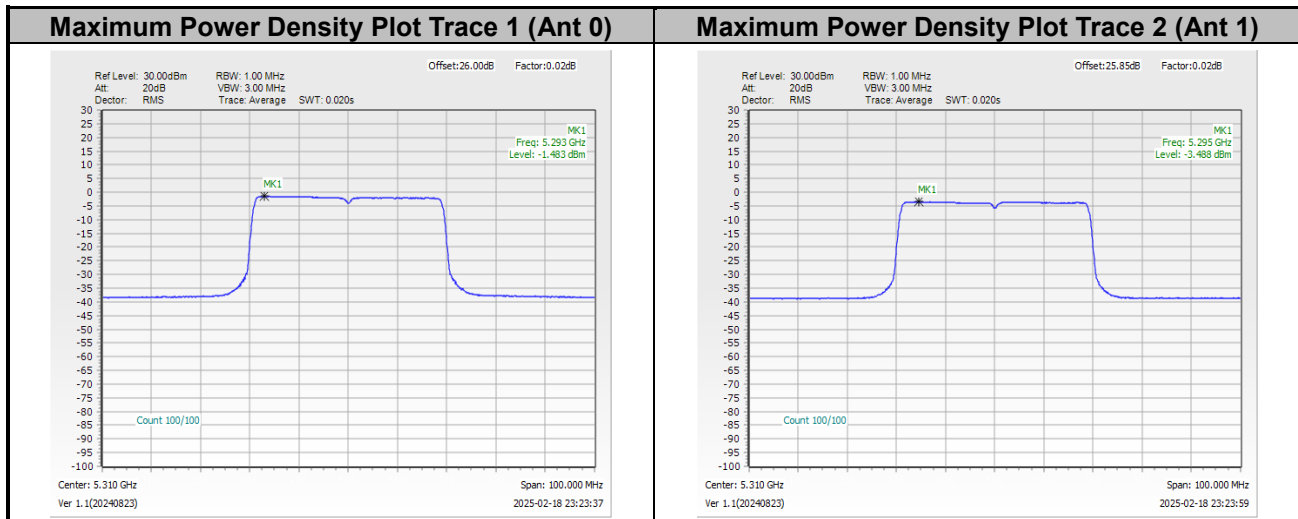




<802.11ax HE40>

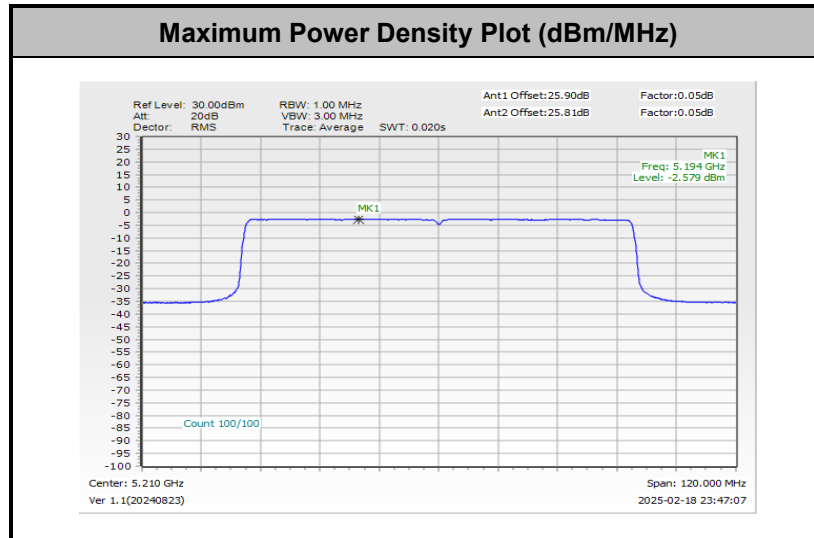


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

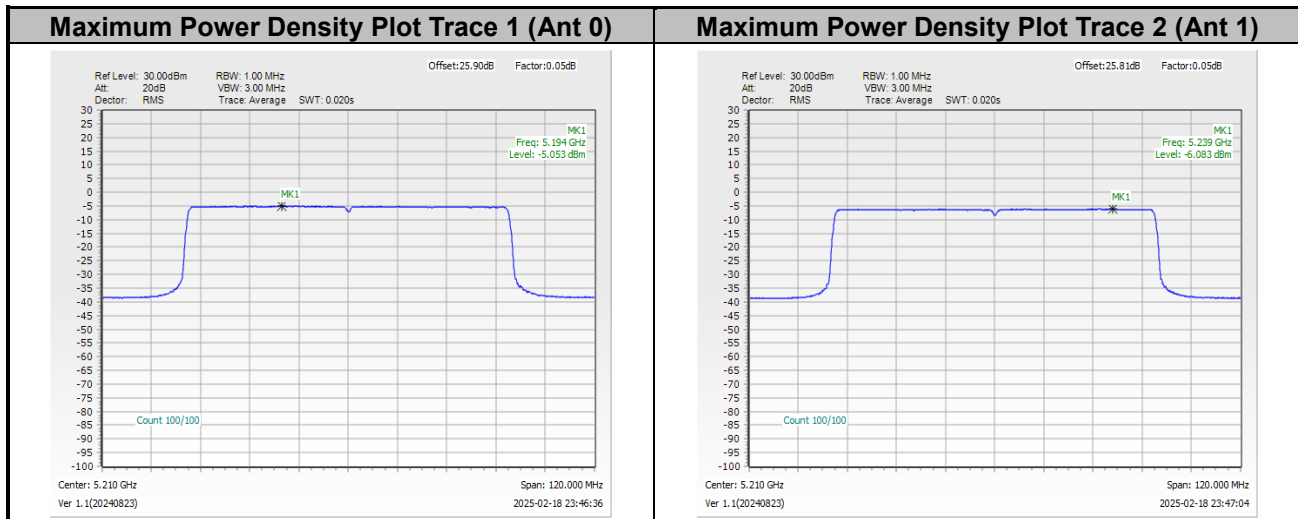




<802.11ax HE80>

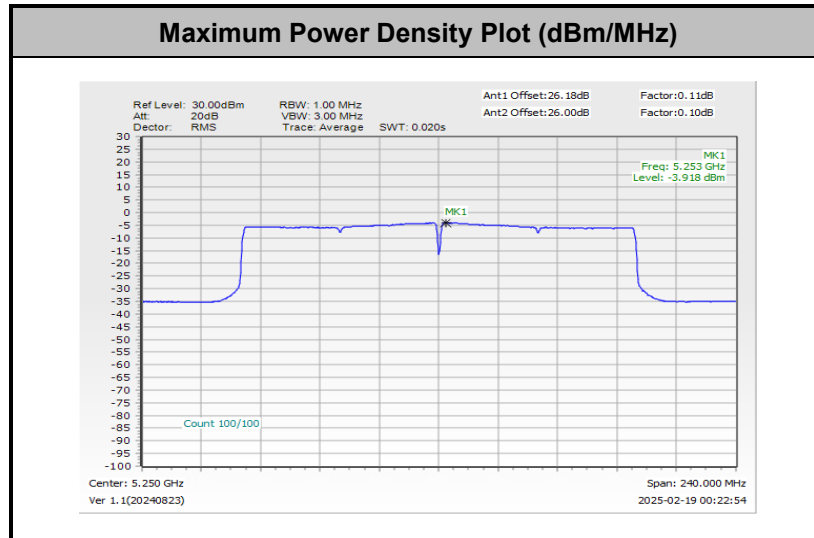


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

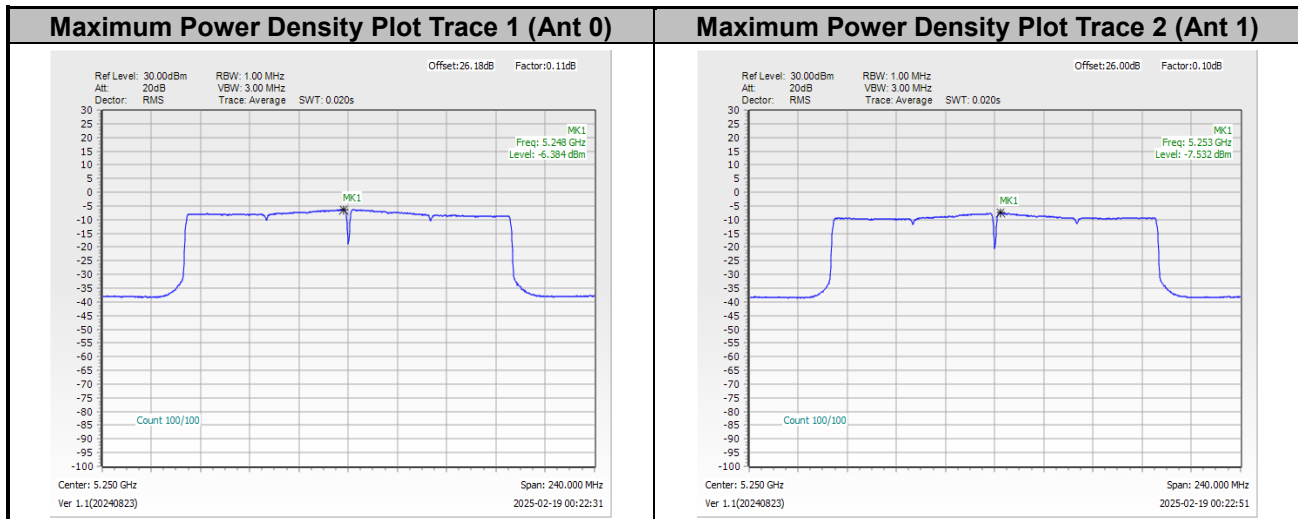




<802.11ax HE160>



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





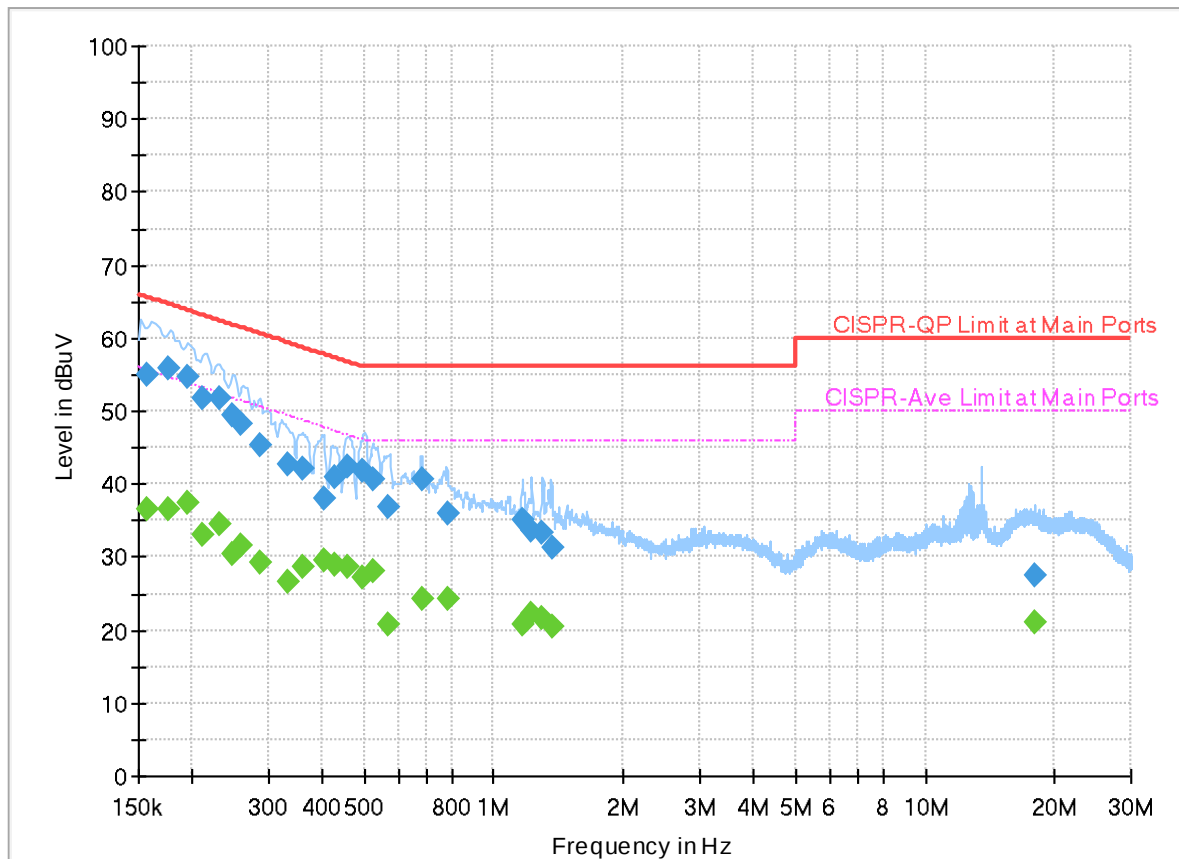
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	Temperature :	15.7~21.5℃
		Relative Humidity :	48.3~57.2%

EUT Information

Report NO : 472626
 Test Mode : Mode 2
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



Final_Result

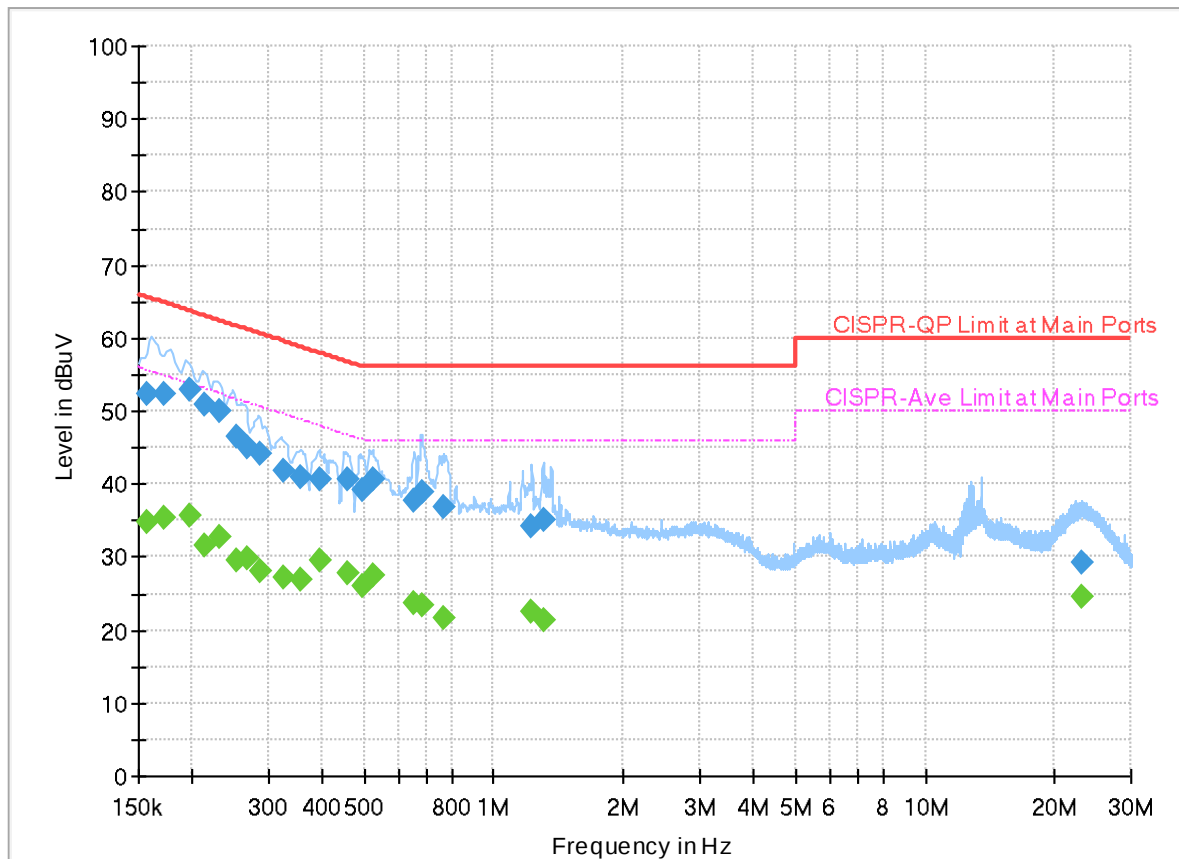
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.156750	---	36.60	55.63	19.03	L1	FLO	19.9
0.156750	54.85	---	65.63	10.78	L1	FLO	19.9
0.176820	---	36.44	54.63	18.19	L1	FLO	19.9
0.176820	55.91	---	64.63	8.72	L1	FLO	19.9
0.194460	---	37.44	53.84	16.40	L1	FLO	19.9
0.194460	54.54	---	63.84	9.30	L1	FLO	19.9
0.210750	---	32.99	53.18	20.19	L1	FLO	19.9
0.210750	51.83	---	63.18	11.35	L1	FLO	19.9
0.230100	---	34.48	52.45	17.97	L1	FLO	19.9
0.230100	51.70	---	62.45	10.75	L1	FLO	19.9
0.248100	---	30.37	51.82	21.45	L1	FLO	19.9
0.248100	49.34	---	61.82	12.48	L1	FLO	19.9
0.260250	---	31.68	51.42	19.74	L1	FLO	19.9
0.260250	48.20	---	61.42	13.22	L1	FLO	19.9
0.287790	---	29.29	50.59	21.30	L1	FLO	19.9
0.287790	45.41	---	60.59	15.18	L1	FLO	19.9
0.332250	---	26.54	49.40	22.86	L1	FLO	19.9
0.332250	42.60	---	59.40	16.80	L1	FLO	19.9
0.361500	---	28.75	48.69	19.94	L1	FLO	19.9

0.361500	42.17	---	58.69	16.52	L1	FLO	19.9
0.406500	---	29.41	47.72	18.31	L1	FLO	19.9
0.406500	38.03	---	57.72	19.69	L1	FLO	19.9
0.426750	---	28.96	47.32	18.36	L1	FLO	19.9
0.426750	41.02	---	57.32	16.30	L1	FLO	19.9
0.457530	---	28.53	46.74	18.21	L1	FLO	19.9
0.457530	42.54	---	56.74	14.20	L1	FLO	19.9
0.498750	---	27.28	46.02	18.74	L1	FLO	19.9
0.498750	41.90	---	56.02	14.12	L1	FLO	19.9
0.525750	---	28.21	46.00	17.79	L1	FLO	19.9
0.525750	40.72	---	56.00	15.28	L1	FLO	19.9
0.571830	---	20.77	46.00	25.23	L1	FLO	19.9
0.571830	36.87	---	56.00	19.13	L1	FLO	19.9
0.678840	---	24.14	46.00	21.86	L1	FLO	19.9
0.678840	40.77	---	56.00	15.23	L1	FLO	19.9
0.782250	---	24.22	46.00	21.78	L1	FLO	19.9
0.782250	35.83	---	56.00	20.17	L1	FLO	19.9
1.170420	---	20.68	46.00	25.32	L1	FLO	19.9
1.170420	35.05	---	56.00	20.95	L1	FLO	19.9
1.218750	---	22.27	46.00	23.73	L1	FLO	19.9
1.218750	33.56	---	56.00	22.44	L1	FLO	19.9
1.294080	---	21.68	46.00	24.32	L1	FLO	19.9
1.294080	33.44	---	56.00	22.56	L1	FLO	19.9
1.361580	---	20.50	46.00	25.50	L1	FLO	20.0
1.361580	31.32	---	56.00	24.68	L1	FLO	20.0
17.939580	---	20.95	50.00	29.05	L1	FLO	20.1
17.939580	27.35	---	60.00	32.65	L1	FLO	20.1

EUT Information

Report NO : 472626
 Test Mode : Mode 2
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.156750	---	34.76	55.63	20.87	N	FLO	19.9
0.156750	52.45	---	65.63	13.18	N	FLO	19.9
0.172500	---	35.42	54.84	19.42	N	FLO	19.9
0.172500	52.29	---	64.84	12.55	N	FLO	19.9
0.196980	---	35.60	53.74	18.14	N	FLO	19.9
0.196980	52.83	---	63.74	10.91	N	FLO	19.9
0.213450	---	31.63	53.07	21.44	N	FLO	19.9
0.213450	51.02	---	63.07	12.05	N	FLO	19.9
0.230280	---	32.66	52.44	19.78	N	FLO	19.9
0.230280	50.00	---	62.44	12.44	N	FLO	19.9
0.252600	---	29.39	51.67	22.28	N	FLO	19.9
0.252600	46.53	---	61.67	15.14	N	FLO	19.9
0.267000	---	29.93	51.21	21.28	N	FLO	19.9
0.267000	45.04	---	61.21	16.17	N	FLO	19.9
0.287250	---	28.01	50.60	22.59	N	FLO	19.9
0.287250	44.04	---	60.60	16.56	N	FLO	19.9
0.323790	---	27.24	49.61	22.37	N	FLO	19.9
0.323790	41.89	---	59.61	17.72	N	FLO	19.9
0.354750	---	26.98	48.85	21.87	N	FLO	19.9

0.354750	40.90	---	58.85	17.95	N	FLO	19.9
0.392910	---	29.53	48.00	18.47	N	FLO	19.9
0.392910	40.57	---	58.00	17.43	N	FLO	19.9
0.456000	---	27.71	46.77	19.06	N	FLO	19.9
0.456000	40.54	---	56.77	16.23	N	FLO	19.9
0.498750	---	26.02	46.02	20.00	N	FLO	19.9
0.498750	39.10	---	56.02	16.92	N	FLO	19.9
0.522870	---	27.51	46.00	18.49	N	FLO	19.9
0.522870	40.53	---	56.00	15.47	N	FLO	19.9
0.649950	---	23.64	46.00	22.36	N	FLO	19.9
0.649950	37.83	---	56.00	18.17	N	FLO	19.9
0.683250	---	23.52	46.00	22.48	N	FLO	19.9
0.683250	38.98	---	56.00	17.02	N	FLO	19.9
0.761190	---	21.54	46.00	24.46	N	FLO	19.9
0.761190	36.76	---	56.00	19.24	N	FLO	19.9
1.218300	---	22.65	46.00	23.35	N	FLO	20.0
1.218300	34.25	---	56.00	21.75	N	FLO	20.0
1.300290	---	21.43	46.00	24.57	N	FLO	20.0
1.300290	34.98	---	56.00	21.02	N	FLO	20.0
23.178300	---	24.47	50.00	25.53	N	FLO	20.2
23.178300	29.20	---	60.00	30.80	N	FLO	20.2



Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	Daniel Lee, Kevin Hsu, Fu Chen and Troye Hsieh	Temperature :	19.1~20.9°C
		Relative Humidity :	50.8~66.9%

Note symbol

-L	Low channel location
-R	High channel location



C1. 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	0+1	802.11a Tx	36	5180	6Mbps	-	-
Mode 2	U-NII-1	5.15-5.25	0+1	802.11a Tx	44	5220	6Mbps	-	-
Mode 3	U-NII-1	5.15-5.25	0+1	802.11a Tx	48	5240	6Mbps	-	-
Mode 4	U-NII-1	5.15-5.25	0+1	802.11ac VHT20	36	5180	MCS0	-	-
Mode 5	U-NII-1	5.15-5.25	0+1	802.11ac VHT20	44	5220	MCS0	-	-
Mode 6	U-NII-1	5.15-5.25	0+1	802.11ac VHT20	48	5240	MCS0	-	-
Mode 7	U-NII-1	5.15-5.25	0+1	802.11ac VHT40	38	5190	MCS0	-	-
Mode 8	U-NII-1	5.15-5.25	0+1	802.11ac VHT40	46	5230	MCS0	-	-
Mode 9	U-NII-1	5.15-5.25	0+1	802.11ac VHT80	42	5210	MCS0	-	-
Mode 10	U-NII-1	5.15-5.25	0+1	802.11ac VHT160	50	5250	MCS0	-	-
Mode 11	U-NII-1	5.15-5.25	0+1	802.11ax HE20	36	5180	MCS0	RU 242/61	-



Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 12	U-NII-1	5.15-5.25	0+1	802.11ax HE20	44	5220	MCS0	RU 242/61	-
Mode 13	U-NII-1	5.15-5.25	0+1	802.11ax HE20	48	5240	MCS0	RU 242/61	-
Mode 14	U-NII-1	5.15-5.25	0+1	802.11ax HE40	38	5190	MCS0	RU 484/65	-
Mode 15	U-NII-1	5.15-5.25	0+1	802.11ax HE40	46	5230	MCS0	RU 484/65	-
Mode 16	U-NII-1	5.15-5.25	0+1	802.11ax HE80	42	5210	MCS0	RU 996/67	-
Mode 17	U-NII-1	5.15-5.25	0+1	802.11ax HE160	50	5250	MCS0	Full	-
Mode 18	U-NII-1	5.15-5.25	0+1	802.11ax HE20	36	5180	MCS0	RU 106/53	-
Mode 19	U-NII-2A	5.25-5.35	0+1	802.11a Tx	52	5260	6Mbps	-	-
Mode 20	U-NII-2A	5.25-5.35	0+1	802.11a Tx	60	5300	6Mbps	-	-
Mode 21	U-NII-2A	5.25-5.35	0+1	802.11a Tx	64	5320	6Mbps	-	-
Mode 22	U-NII-2A	5.25-5.35	0+1	802.11ac VHT20	52	5260	MCS0	-	-



Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 23	U-NII-2A	5.25-5.35	0+1	802.11ac VHT20	60	5300	MCS0	-	-
Mode 24	U-NII-2A	5.25-5.35	0+1	802.11ac VHT20	64	5320	MCS0	-	-
Mode 25	U-NII-2A	5.25-5.35	0+1	802.11ac VHT40	54	5270	MCS0	-	-
Mode 26	U-NII-2A	5.25-5.35	0+1	802.11ac VHT40	62	5310	MCS0	-	-
Mode 27	U-NII-2A	5.25-5.35	0+1	802.11ac VHT80	58	5290	MCS0	-	-
Mode 28	U-NII-2A	5.25-5.35	0+1	802.11ax HE20	52	5260	MCS0	RU 242/61	-
Mode 29	U-NII-2A	5.25-5.35	0+1	802.11ax HE20	60	5300	MCS0	RU 242/61	-
Mode 30	U-NII-2A	5.25-5.35	0+1	802.11ax HE20	64	5320	MCS0	RU 242/61	-
Mode 31	U-NII-2A	5.25-5.35	0+1	802.11ax HE40	54	5270	MCS0	RU 484/65	-
Mode 32	U-NII-2A	5.25-5.35	0+1	802.11ax HE40	62	5310	MCS0	RU 484/65	-
Mode 33	U-NII-2A	5.25-5.35	0+1	802.11ax HE80	58	5290	MCS0	RU 996/67	-



Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 34	U-NII-2A	5.25-5.35	0+1	802.11ax HE20	64	5320	MCS0	RU 106/54	-
Mode 35	U-NII-2C	5.47-5.725	0+1	802.11a Tx	100	5500	6Mbps	-	-
Mode 36	U-NII-2C	5.47-5.725	0+1	802.11a Tx	116	5580	6Mbps	-	-
Mode 37	U-NII-2C	5.47-5.725	0+1	802.11a Tx	140	5700	6Mbps	-	-
Mode 38	U-NII-2C	5.47-5.725	0+1	802.11ac VHT20	100	5500	MCS0	-	-
Mode 39	U-NII-2C	5.47-5.725	0+1	802.11ac VHT20	116	5580	MCS0	-	-
Mode 40	U-NII-2C	5.47-5.725	0+1	802.11ac VHT20	140	5700	MCS0	-	-
Mode 41	U-NII-2C	5.47-5.725	0+1	802.11ac VHT40	102	5510	MCS0	-	-
Mode 42	U-NII-2C	5.47-5.725	0+1	802.11ac VHT40	110	5550	MCS0	-	-
Mode 43	U-NII-2C	5.47-5.725	0+1	802.11ac VHT40	134	5670	MCS0	-	-
Mode 44	U-NII-2C	5.47-5.725	0+1	802.11ac VHT80	106	5530	MCS0	-	-



Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 45	U-NII-2C	5.47-5.725	0+1	802.11ac VHT80	122	5610	MCS0	-	-
Mode 46	U-NII-2C	5.47-5.725	0+1	802.11ac VHT160	114	5570	MCS0	-	-
Mode 47	U-NII-2C	5.47-5.725	0+1	802.11ax HE20	100	5500	MCS0	RU 242/61	-
Mode 48	U-NII-2C	5.47-5.725	0+1	802.11ax HE20	116	5580	MCS0	RU 242/61	-
Mode 49	U-NII-2C	5.47-5.725	0+1	802.11ax HE20	140	5700	MCS0	RU 242/61	-
Mode 50	U-NII-2C	5.47-5.725	0+1	802.11ax HE40	102	5510	MCS0	RU 484/65	-
Mode 51	U-NII-2C	5.47-5.725	0+1	802.11ax HE40	110	5550	MCS0	RU 484/65	-
Mode 52	U-NII-2C	5.47-5.725	0+1	802.11ax HE40	134	5670	MCS0	RU 484/65	-
Mode 53	U-NII-2C	5.47-5.725	0+1	802.11ax HE80	106	5530	MCS0	RU 996/67	-
Mode 54	U-NII-2C	5.47-5.725	0+1	802.11ax HE80	122	5610	MCS0	RU 996/67	-
Mode 55	U-NII-2C	5.47-5.725	0+1	802.11ax HE160	114	5570	MCS0	Full	-



Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 56	U-NII-2C	5.47-5.725	0+1	802.11ax HE20	100	5500	MCS0	RU 106/53	-
Mode 57	U-NII-2C	5.47-5.725	0+1	802.11ax HE20	140	5700	MCS0	RU 106/54	-
Mode 58	U-NII-2C	5.47-5.725	0+1	802.11a Tx	144	5720	6Mbps	-	-
Mode 59	U-NII-2C	5.47-5.725	0+1	802.11ac VHT20	144	5720	MCS0	-	-
Mode 60	U-NII-2C	5.47-5.725	0+1	802.11ac VHT40	142	5710	MCS0	-	-
Mode 61	U-NII-2C	5.47-5.725	0+1	802.11ac VHT80	138	5690	MCS0	-	-
Mode 62	U-NII-2C	5.47-5.725	0+1	802.11ax HE20	144	5720	MCS0	RU 242/61	-
Mode 63	U-NII-2C	5.47-5.725	0+1	802.11ax HE40	142	5710	MCS0	RU 484/65	-
Mode 64	U-NII-2C	5.47-5.725	0+1	802.11ax HE80	138	5690	MCS0	RU 996/67	-
Mode 65	U-NII-2C	5.47-5.725	0+1	802.11ax HE20	144	5720	MCS0	RU 106/53	-
Mode 75	U-NII-2A	5.25-5.35	0+1	802.11a Tx	60	5300	6Mbps	-	LF



Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 76	U-NII-2A	5.25-5.35	0+1	802.11a Tx	60	5300	6Mbps	-	SHF



C2. Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
1	802.11a Tx	36	5149.22	44.68	54.00	-9.32	V	Avg.	Pass	-	Band Edge
	802.11a Tx	36	7253.00	43.58	54.00	-10.42	H	Avg.	Pass	-	Harmonic
2	802.11a Tx	44	5148.50	42.39	54.00	-11.61	V	Avg.	Pass	-	Band Edge
	802.11a Tx	44	10440.00	46.15	54.00	-7.85	V	Avg.	Pass	-	Harmonic
3	802.11a Tx	48	5141.36	42.08	54.00	-11.92	V	Avg.	Pass	-	Band Edge
	802.11a Tx	48	7341.00	43.41	54.00	-10.59	H	Avg.	Pass	-	Harmonic
4	802.11ac VHT20	36	5149.94	42.60	54.00	-11.40	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	36	7253.00	41.85	54.00	-12.15	H	Avg.	Pass	-	Harmonic
5	802.11ac VHT20	44	5132.88	42.06	54.00	-11.94	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	44	7319.00	41.68	54.00	-12.32	H	Avg.	Pass	-	Harmonic
6	802.11ac VHT20	48	5135.36	41.94	54.00	-12.06	V	Avg.	Pass	-	Band Edge



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
6	802.11ac VHT20	48	7341.00	42.23	54.00	-11.77	H	Avg.	Pass	-	Harmonic
7	802.11ac VHT40	38	5149.91	45.47	54.00	-8.53	V	Avg.	Pass	-	Band Edge
	802.11ac VHT40	38	-	-	-	-	-	-	-	-	Harmonic
8	802.11ac VHT40	46	5101.20	42.25	54.00	-11.75	V	Avg.	Pass	-	Band Edge
	802.11ac VHT40	46	-	-	-	-	-	-	-	-	Harmonic
9	802.11ac VHT80	42	5149.94	45.35	54.00	-8.65	V	Avg.	Pass	-	Band Edge
	802.11ac VHT80	42	-	-	-	-	-	-	-	-	Harmonic
10	802.11ac VHT160	50	5150.00	43.48	54.00	-10.52	V	Avg.	Pass	-	Band Edge
	802.11ac VHT160	50	-	-	-	-	-	-	-	-	Harmonic
11	802.11ax HE20	36	5149.94	46.96	54.00	-7.04	V	Avg.	Pass	RU 242/61	Band Edge
	802.11ax HE20	36	7253.00	42.04	54.00	-11.96	H	Avg.	Pass	RU 242/61	Harmonic



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
12	802.11ax HE20	44	5145.86	41.94	54.00	-12.06	H	Avg.	Pass	RU 242/61	Band Edge
	802.11ax HE20	44	7308.00	39.92	54.00	-14.08	H	Avg.	Pass	RU 242/61	Harmonic
13	802.11ax HE20	48	5093.12	41.81	54.00	-12.19	V	Avg.	Pass	RU 242/61	Band Edge
	802.11ax HE20	48	7336.00	39.33	54.00	-14.67	H	Avg.	Pass	RU 242/61	Harmonic
14	802.11ax HE40	38	5146.87	46.23	54.00	-7.77	V	Avg.	Pass	RU 484/65	Band Edge
	802.11ax HE40	38	-	-	-	-	-	-	-	RU 484/65	Harmonic
15	802.11ax HE40	46	5136.62	41.70	54.00	-12.30	H	Avg.	Pass	RU 484/65	Band Edge
	802.11ax HE40	46	-	-	-	-	-	-	-	RU 484/65	Harmonic
16	802.11ax HE80	42	5141.96	47.40	54.00	-6.60	V	Avg.	Pass	RU 996/67	Band Edge
	802.11ax HE80	42	-	-	-	-	-	-	-	RU 996/67	Harmonic
17	802.11ax HE160	50	5402.46	47.24	54	-6.76	H	Avg.	Pass	Full	Band Edge



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
17	802.11ax HE160	50	-	-	-	-	-	-	-	Full	Harmonic
18	802.11ax HE20	36	5148.86	41.97	54.00	-12.03	V	Avg.	Pass	RU 106/53	Band Edge
	802.11ax HE20	36	-	-	-	-	-	-	-	RU 106/53	Harmonic
19	802.11a Tx	52	5087.62	41.84	54.00	-12.16	H	Avg.	Pass	-	Band Edge
	802.11a Tx	52	7374.00	43.21	54.00	-10.79	H	Avg.	Pass	-	Harmonic
20	802.11a Tx	60	5084.30	41.84	54.00	-12.16	V	Avg.	Pass	-	Band Edge
	802.11a Tx	60	7420.00	44.84	54.00	-9.16	H	Avg.	Pass	-	Harmonic
21	802.11a Tx	64	5350.10	40.79	54.00	-13.21	H	Avg.	Pass	-	Band Edge
	802.11a Tx	64	10640.00	47.56	54.00	-6.44	V	Avg.	Pass	-	Harmonic
22	802.11ac VHT20	52	5096.46	41.86	54.00	-12.14	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	52	7364.00	43.81	54.00	-10.19	H	Avg.	Pass	-	Harmonic



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
23	802.11ac VHT20	60	5071.40	41.84	54.00	-12.16	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	60	7420.00	41.17	54.00	-12.83	H	Avg.	Pass	-	Harmonic
24	802.11ac VHT20	64	5350.38	40.66	54.00	-13.34	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	64	7448.00	42.79	54.00	-11.21	H	Avg.	Pass	-	Harmonic
25	802.11ac VHT40	54	5144.99	42.19	54.00	-11.81	V	Avg.	Pass	-	Band Edge
	802.11ac VHT40	54	-	-	-	-	-	-	-	-	Harmonic
26	802.11ac VHT40	62	5350.05	43.79	54.00	-10.21	H	Avg.	Pass	-	Band Edge
	802.11ac VHT40	62	-	-	-	-	-	-	-	-	Harmonic
27	802.11ac VHT80	58	5350.35	42.36	54.00	-11.64	H	Avg.	Pass	-	Band Edge
	802.11ac VHT80	58	-	-	-	-	-	-	-	-	Harmonic
28	802.11ax HE20	52	5100.88	41.81	54.00	-12.19	V	Avg.	Pass	RU 242/61	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	52	10520.00	47.79	68.20	-20.41	V	Peak	Pass	RU 242/61	Harmonic
29	802.11ax HE20	60	5017.40	41.79	54.00	-12.21	V	Avg.	Pass	RU 242/61	Band Edge
	802.11ax HE20	60	10600.00	47.58	74.00	-26.42	V	Peak	Pass	RU 242/61	Harmonic
30	802.11ax HE20	64	5350.10	42.75	54.00	-11.25	H	Avg.	Pass	RU 242/61	Band Edge
	802.11ax HE20	64	10640.00	46.78	54.00	-7.22	V	Avg.	Pass	RU 242/61	Harmonic
31	802.11ax HE40	54	5149.31	42.16	54.00	-11.84	V	Avg.	Pass	RU 484/65	Band Edge
	802.11ax HE40	54	-	-	-	-	-	-	-	RU 484/65	Harmonic
32	802.11ax HE40	62	5350.20	50.79	54.00	-3.21	H	Avg.	Pass	RU 484/65	Band Edge
	802.11ax HE40	62	-	-	-	-	-	-	-	RU 484/65	Harmonic
33	802.11ax HE80	58	5350.01	50.75	54.00	-3.25	H	Avg.	Pass	RU 996/67	Band Edge
	802.11ax HE80	58	-	-	-	-	-	-	-	RU 996/67	Harmonic



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
34	802.11ax HE20	64	5360.32	40.83	54.00	-13.17	H	Avg.	Pass	RU 106/54	Band Edge
	802.11ax HE20	64	-	-	-	-	-	-	-	RU 106/54	Harmonic
35	802.11a Tx	100	5469.25	59.61	68.20	-8.59	H	Peak	Pass	-	Band Edge
	802.11a Tx	100	11000.00	42.73	54.00	-11.27	V	Avg.	Pass	-	Harmonic
36	802.11a Tx	116	5456.95	40.82	54.00	-13.18	H	Avg.	Pass	-	Band Edge
	802.11a Tx	116	11160.00	42.81	54.00	-11.19	V	Avg.	Pass	-	Harmonic
37	802.11a Tx	140	5725.61	57.15	68.20	-11.05	H	Peak	Pass	-	Band Edge
	802.11a Tx	140	11400.00	46.63	54.00	-7.37	V	Avg.	Pass	-	Harmonic
38	802.11ac VHT20	100	5459.95	41.38	54.00	-12.62	H	Avg.	Pass	-	Band Edge
	802.11ac VHT20	100	7700.00	40.27	54.00	-13.73	H	Avg.	Pass	-	Harmonic
39	802.11ac VHT20	116	5459.71	40.72	54.00	-13.28	H	Avg.	Pass	-	Band Edge



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
39	802.11ac VHT20	116	11160.00	46.14	54.00	-7.86	V	Avg.	Pass	-	Harmonic
40	802.11ac VHT20	140	5727.11	53.20	68.20	-15.00	H	Peak	Pass	-	Band Edge
	802.11ac VHT20	140	11400.00	45.73	54.00	-8.27	V	Avg.	Pass	-	Harmonic
41	802.11ac VHT40	102	5459.92	41.35	54.00	-12.65	H	Avg.	Pass	-	Band Edge
	802.11ac VHT40	102	-	-	-	-	-	-	-	-	Harmonic
42	802.11ac VHT40	110	5457.60	41.04	54.00	-12.96	H	Avg.	Pass	-	Band Edge
	802.11ac VHT40	110	-	-	-	-	-	-	-	-	Harmonic
43	802.11ac VHT40	134	5456.88	40.70	54.00	-13.30	H	Avg.	Pass	-	Band Edge
	802.11ac VHT40	134	-	-	-	-	-	-	-	-	Harmonic
44	802.11ac VHT80	106	5459.98	43.18	54.00	-10.82	V	Avg.	Pass	-	Band Edge
	802.11ac VHT80	106	-	-	-	-	-	-	-	-	Harmonic



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
45	802.11ac VHT80	122	5459.98	41.11	54.00	-12.89	H	Avg.	Pass	-	Band Edge
	802.11ac VHT80	122	-	-	-	-	-	-	-	-	Harmonic
46	802.11ac VHT160	114	5469.46	59.73	68.20	-8.47	H	Peak	Pass	-	Band Edge
	802.11ac VHT160	114	-	-	-	-	-	-	-	-	Harmonic
47	802.11ax HE20	100	5469.55	56.74	68.20	-11.46	H	Peak	Pass	RU 242/61	Band Edge
	802.11ax HE20	100	11000.00	45.96	54.00	-8.04	V	Avg.	Pass	RU 242/61	Harmonic
48	802.11ax HE20	116	5459.48	40.90	54.00	-13.10	H	Avg.	Pass	RU 242/61	Band Edge
	802.11ax HE20	116	16740.00	46.23	68.20	-21.97	V	Peak	Pass	RU 242/61	Harmonic
49	802.11ax HE20	140	5726.65	59.74	68.20	-8.46	H	Peak	Pass	RU 242/61	Band Edge
	802.11ax HE20	140	11400.00	46.88	54.00	-7.12	V	Avg.	Pass	RU 242/61	Harmonic
50	802.11ax HE40	102	5466.16	61.09	68.20	-7.11	H	Peak	Pass	RU 484/65	Band Edge



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
50	802.11ax HE40	102	-	-	-	-	-	-	-	RU 484/65	Harmonic
51	802.11ax HE40	110	5458.00	41.52	54.00	-12.48	H	Avg.	Pass	RU 484/65	Band Edge
	802.11ax HE40	110	-	-	-	-	-	-	-	RU 484/65	Harmonic
52	802.11ax HE40	134	5728.52	56.25	68.20	-11.95	H	Peak	Pass	RU 484/65	Band Edge
	802.11ax HE40	134	-	-	-	-	-	-	-	RU 484/65	Harmonic
53	802.11ax HE80	106	5465.38	62.90	68.20	-5.30	H	Peak	Pass	RU 996/67	Band Edge
	802.11ax HE80	106	-	-	-	-	-	-	-	RU 996/67	Harmonic
54	802.11ax HE80	122	5459.20	41.15	54.00	-12.85	H	Avg.	Pass	RU 996/67	Band Edge
	802.11ax HE80	122	-	-	-	-	-	-	-	RU 996/67	Harmonic
55	802.11ax HE160	114	5437.56	46.21	54	-7.79	H	Avg.	Pass	Full	Band Edge
	802.11ax HE160	114	-	-	-	-	-	-	-	Full	Harmonic

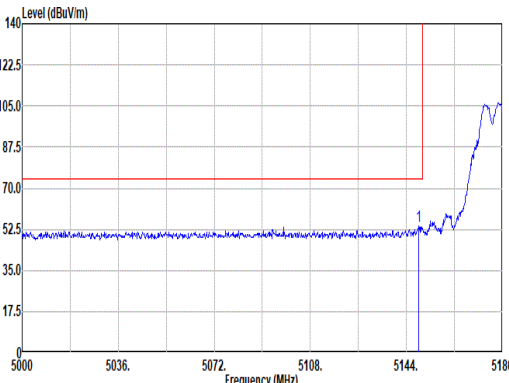
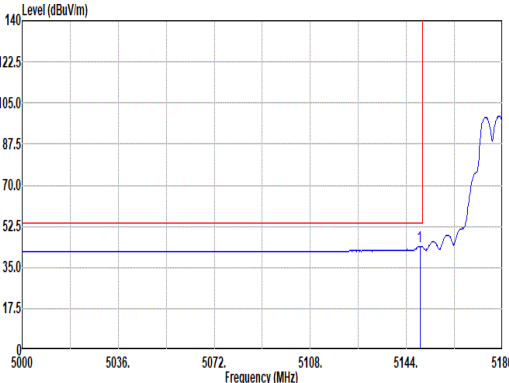
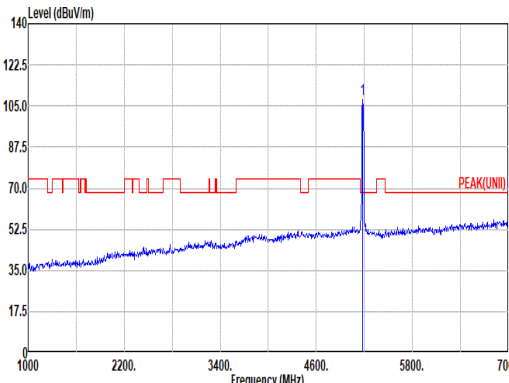
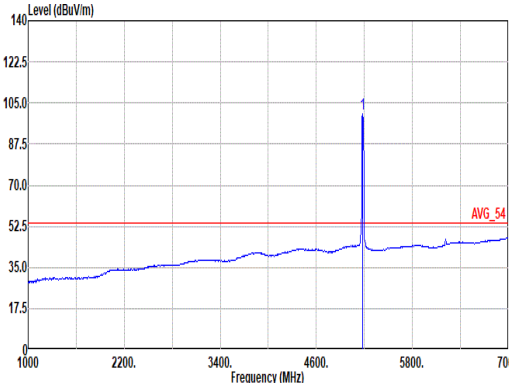


Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
56	802.11ax HE20	100	5459.65	41.50	54.00	-12.50	H	Avg.	Pass	RU 106/53	Band Edge
	802.11ax HE20	100	-	-	-	-	-	-	-	RU 106/53	Harmonic
57	802.11ax HE20	140	5725.29	56.98	68.20	-11.22	H	Peak	Pass	RU 106/54	Band Edge
	802.11ax HE20	140	-	-	-	-	-	-	-	RU 106/54	Harmonic
58	802.11a Tx	144	5459.98	40.67	54.00	-13.33	H	Avg.	Pass	-	Band Edge
	802.11a Tx	144	11440.00	46.09	54.00	-7.91	V	Avg.	Pass	-	Harmonic
59	802.11ac VHT20	144	5458.03	40.60	54.00	-13.40	H	Avg.	Pass	-	Band Edge
	802.11ac VHT20	144	11440.00	45.75	54.00	-8.25	V	Avg.	Pass	-	Harmonic
60	802.11ac VHT40	142	5457.25	40.57	54.00	-13.43	H	Avg.	Pass	-	Band Edge
	802.11ac VHT40	142	-	-	-	-	-	-	-	-	Harmonic
61	802.11ac VHT80	138	5459.20	41.03	54.00	-12.97	H	Avg.	Pass	-	Band Edge

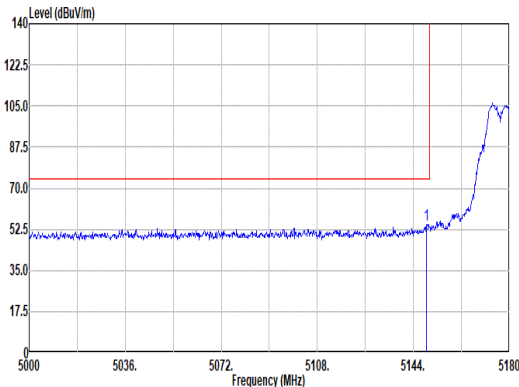
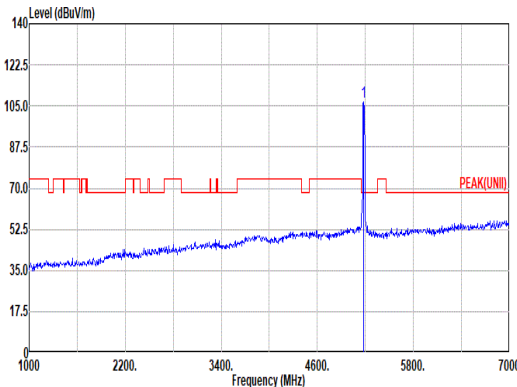
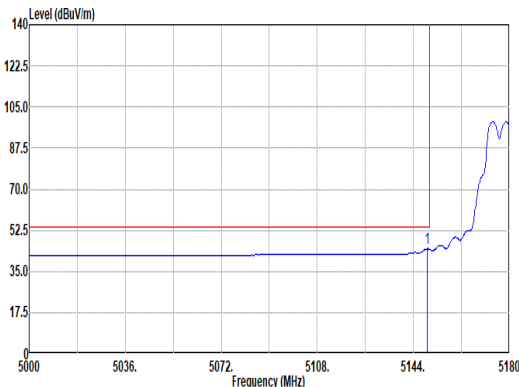
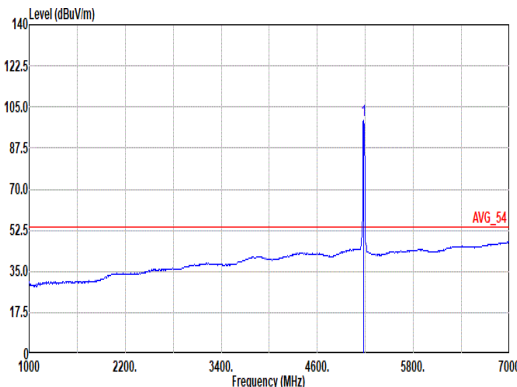


Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
61	802.11ac VHT80	138	-	-	-	-	-	-	-	-	Harmonic
62	802.11ax HE20	144	5458.03	40.69	54.00	-13.31	V	Avg.	Pass	RU 242/61	Band Edge
	802.11ax HE20	144	11440.00	46.70	54.00	-7.30	V	Avg.	Pass	RU 242/61	Harmonic
63	802.11ax HE40	142	5459.98	40.73	54.00	-13.27	V	Avg.	Pass	RU 484/65	Band Edge
	802.11ax HE40	142	-	-	-	-	-	-	-	RU 484/65	Harmonic
64	802.11ax HE80	138	5459.20	40.66	54.00	-13.34	H	Avg.	Pass	RU 996/67	Band Edge
	802.11ax HE80	138	-	-	-	-	-	-	-	RU 996/67	Harmonic
65	802.11ax HE20	144	5459.59	40.33	54.00	-13.67	H	Avg.	Pass	RU 106/53	Band Edge
	802.11ax HE20	144	-	-	-	-	-	-	-	RU 106/53	Harmonic
75	802.11a Tx	60	269.59	41.56	46.00	-4.44	H	QP	Pass	-	LF
76	802.11a Tx	60	38591.46	45.56	68.20	-22.64	V	Peak	Pass	-	SHF

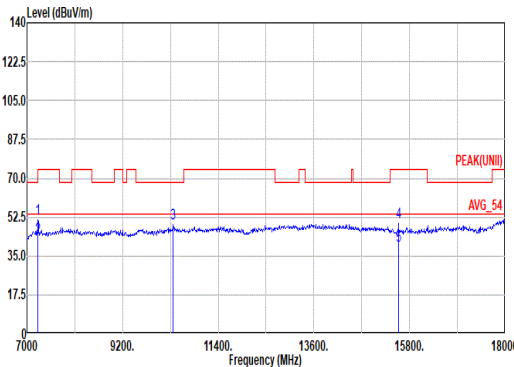
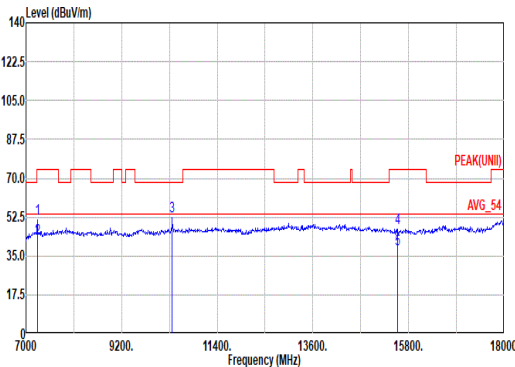


Mode	1																																																											
	Band Edge																																																											
	U-NII-1_5.15-5.25_802.11a Tx_CH36_5180MHz																																																											
ANT	0+1																																																											
Pol.	Horizontal						Fundamental																																																					
Peak																																																												
	Site : 03CH11-HY Condition: PEAK_BE_74 3m 91200_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th colspan="3">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5148.68</td><td>54.08</td><td>74.00</td><td>-19.92</td><td>43.39</td><td>33.19</td><td>10.37</td><td>32.87</td><td>0.00</td><td>200</td><td>359</td><td>PEAK</td></tr></tbody></table>													Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark			Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor					MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	5148.68	54.08	74.00	-19.92	43.39	33.19	10.37	32.87	0.00	200	359
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Avg																																																												
	Site : 03CH11-HY Condition: AVG_BE_54 3m 91200_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th colspan="3">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5149.04</td><td>44.04</td><td>54.00</td><td>-9.96</td><td>33.34</td><td>33.20</td><td>10.37</td><td>32.87</td><td>0.00</td><td>200</td><td>359</td><td>AVERAGE</td></tr></tbody></table>													Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark			Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor					MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	5149.04	44.04	54.00	-9.96	33.34	33.20	10.37	32.87	0.00	200	359
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1	5149.04	44.04	54.00	-9.96	33.34	33.20	10.37	32.87	0.00	200	359	AVERAGE																																																
Peak																																																												
	Site : 03CH11-HY Condition: PEAK(UNII) 3m 91200_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th colspan="3">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5180.00</td><td>107.53</td><td>-----</td><td>-----</td><td>96.91</td><td>33.10</td><td>10.39</td><td>32.87</td><td>0.00</td><td>200</td><td>359</td><td>PEAK</td></tr></tbody></table>													Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark			Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor					MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	5180.00	107.53	-----	-----	96.91	33.10	10.39	32.87	0.00	200	359
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1	5180.00	107.53	-----	-----	96.91	33.10	10.39	32.87	0.00	200	359	PEAK																																																
Avg																																																												
	Site : 03CH11-HY Condition: AVG_54 3m 91200_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th colspan="3">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5180.00</td><td>100.37</td><td>-----</td><td>-----</td><td>89.75</td><td>33.10</td><td>10.39</td><td>32.87</td><td>0.00</td><td>200</td><td>359</td><td>AVERAGE</td></tr></tbody></table>													Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark			Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor					MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	5180.00	100.37	-----	-----	89.75	33.10	10.39	32.87	0.00	200	359
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1	5180.00	100.37	-----	-----	89.75	33.10	10.39	32.87	0.00	200	359	AVERAGE																																																

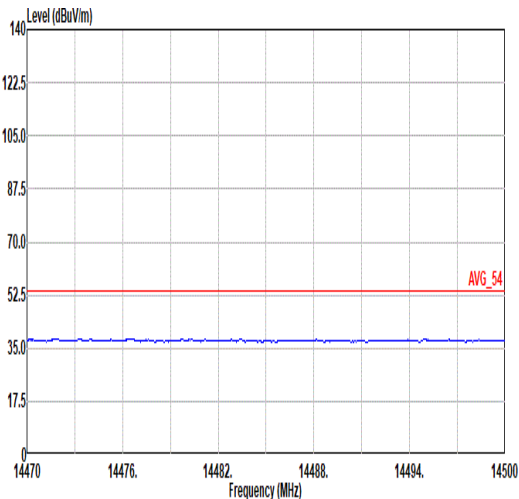
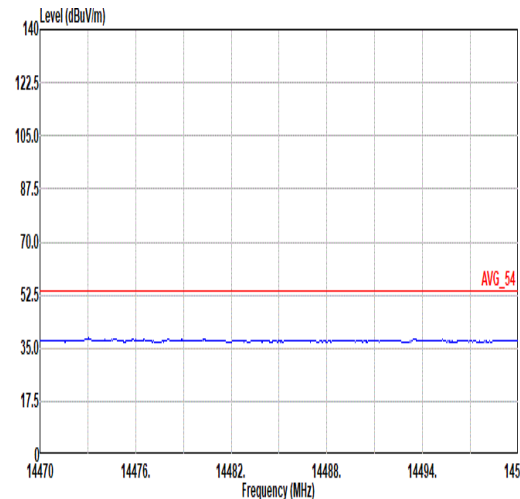
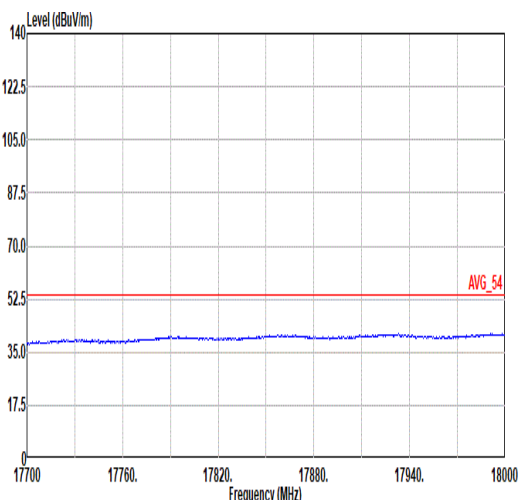
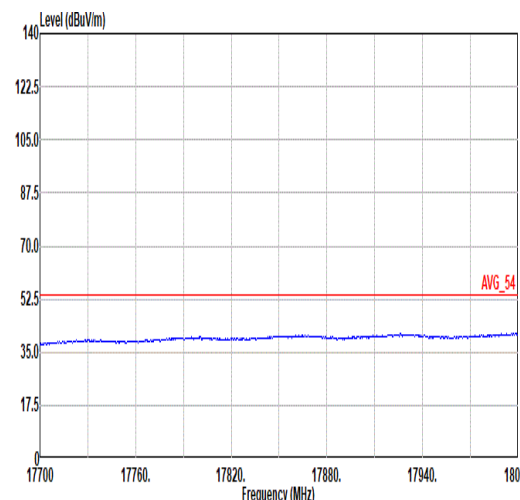


Mode	1																																																																																	
	Band Edge																																																																																	
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Pol.	Vertical	Fundamental																																																																																
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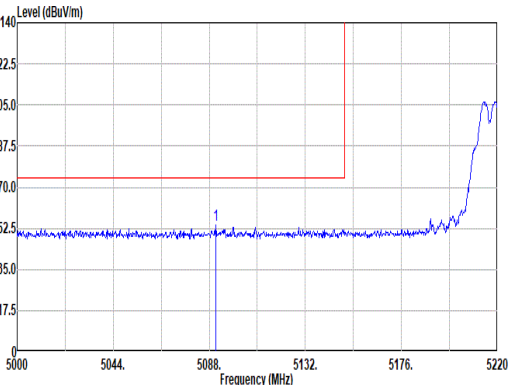
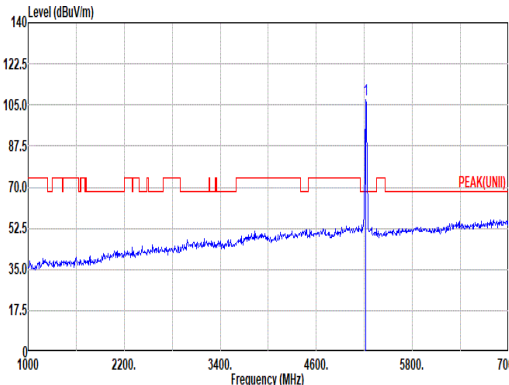
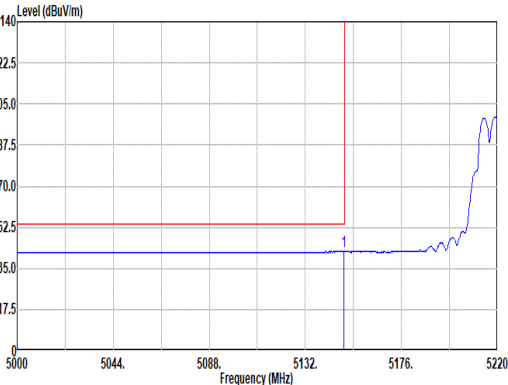
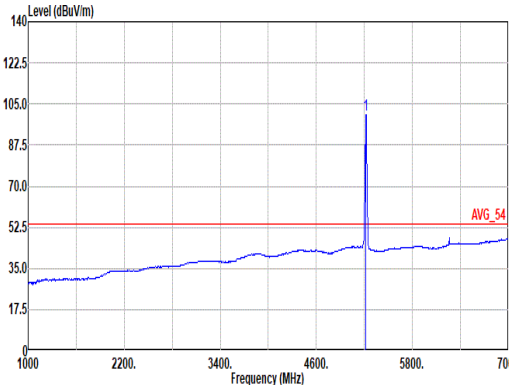


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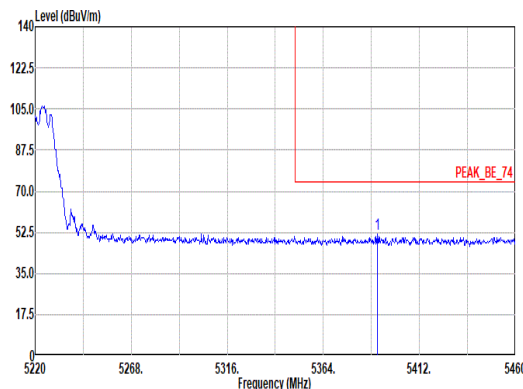
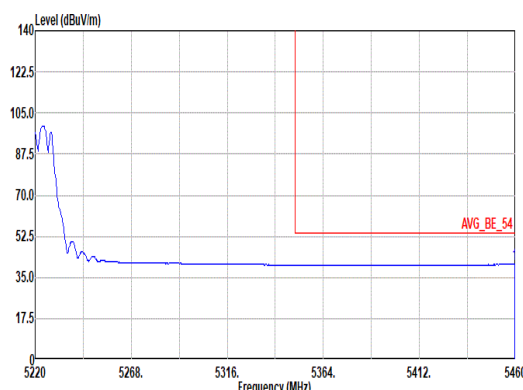


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17.7G ~18G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 91280_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 91280_01620_240828 VERTICAL

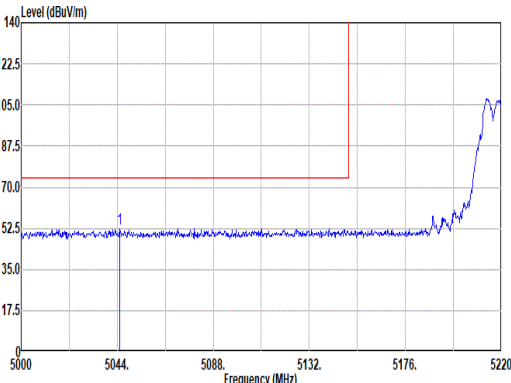
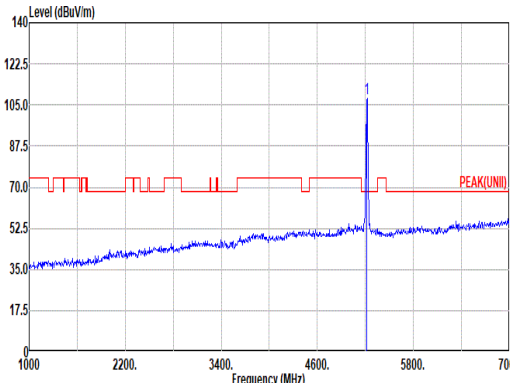
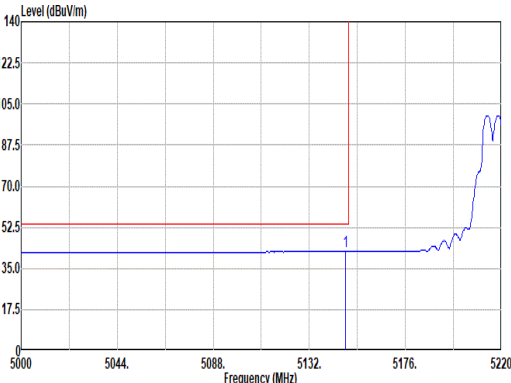
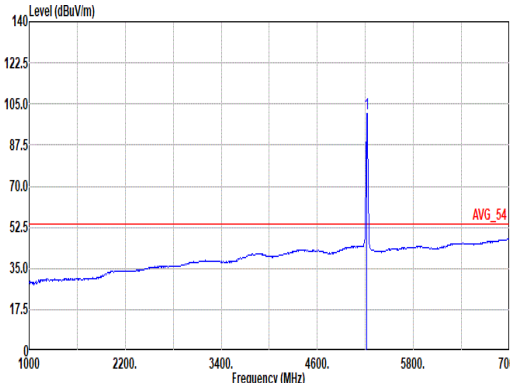


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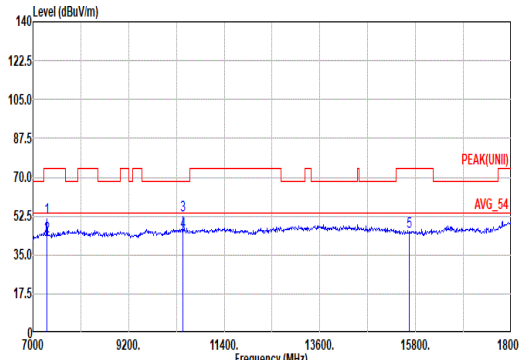
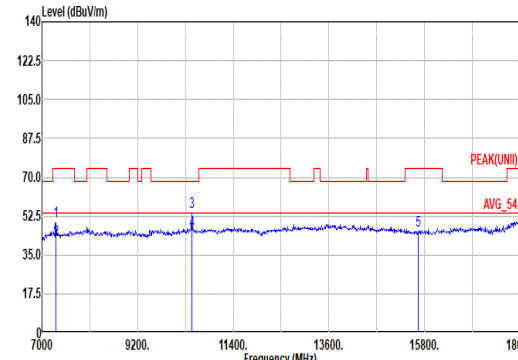


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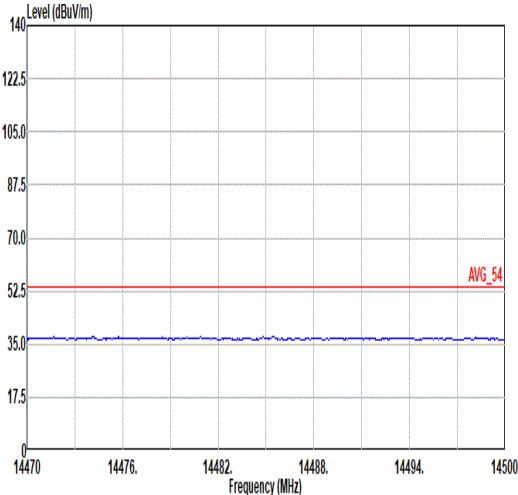
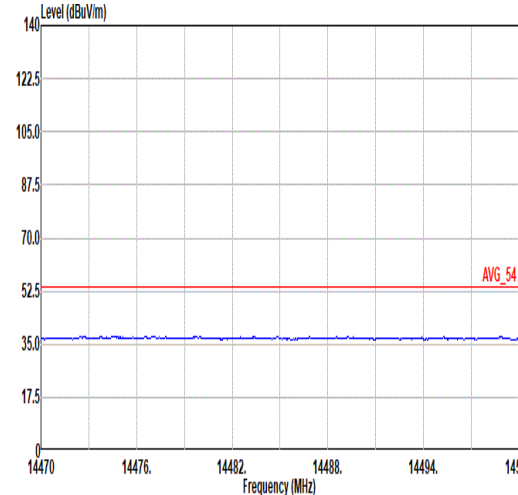
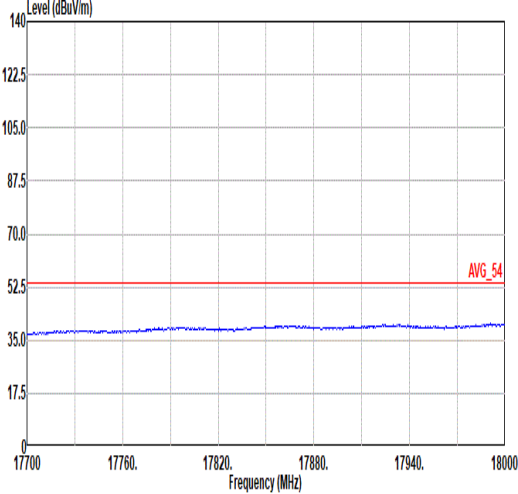
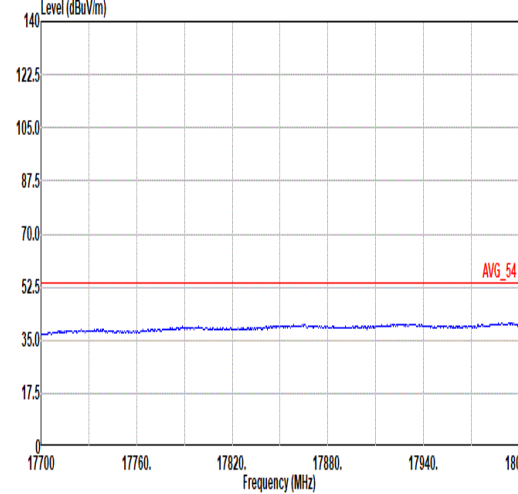


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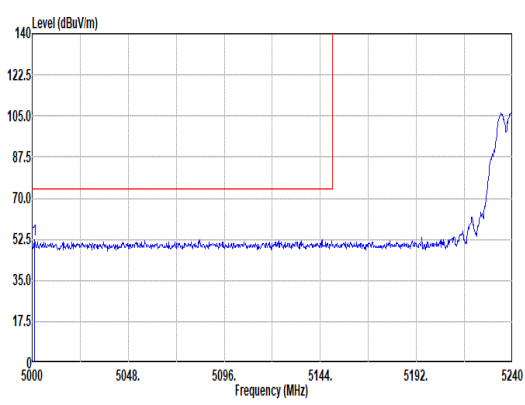
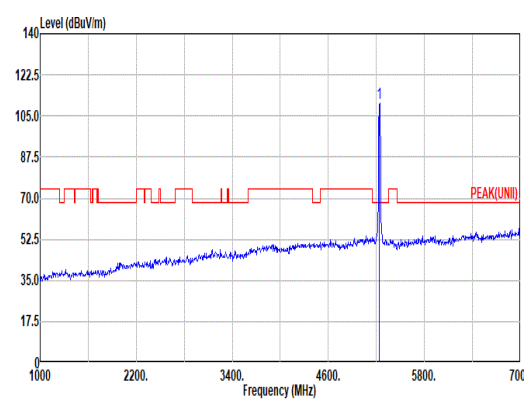
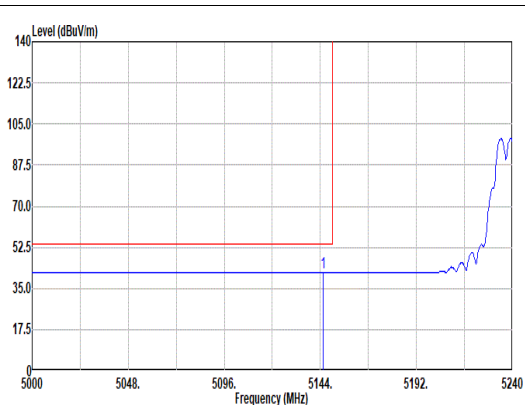
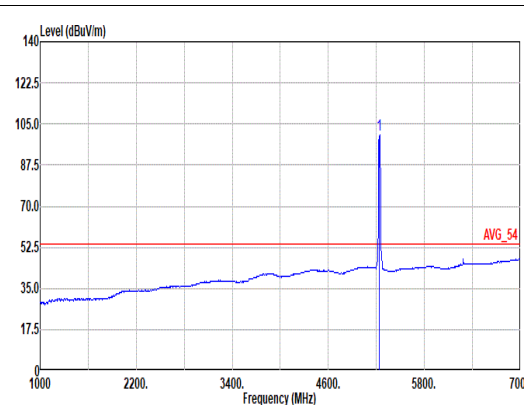


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<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th><th></th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th>Factor</th><th>Factor</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1 7319.00</td><td>51.87</td><td>74.00</td><td>-22.13</td><td>58.79</td><td>36.76</td><td>14.58</td><td>58.99</td><td>0.73</td><td>300</td><td>37</td><td>PEAK</td></tr><tr><td>2 7319.00</td><td>43.56</td><td>54.00</td><td>-10.44</td><td>50.48</td><td>36.76</td><td>14.58</td><td>58.99</td><td>0.73</td><td>300</td><td>37</td><td>AVERAGE</td></tr><tr><td>3 10440.00</td><td>52.86</td><td>68.20</td><td>-15.34</td><td>57.02</td><td>38.60</td><td>17.56</td><td>60.65</td><td>0.33</td><td>175</td><td>291</td><td>PEAK</td></tr><tr><td>4 10440.00</td><td>45.57</td><td>54.00</td><td>-8.43</td><td>49.73</td><td>38.60</td><td>17.56</td><td>60.65</td><td>0.33</td><td>175</td><td>291</td><td>AVERAGE</td></tr><tr><td>5 15660.00</td><td>45.26</td><td>74.00</td><td>-28.74</td><td>47.75</td><td>37.60</td><td>21.63</td><td>62.05</td><td>0.33</td><td>--</td><td>--</td><td>PEAK</td></tr></table>													Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos				Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor	Factor	Factor	Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		1 7319.00	51.87	74.00	-22.13	58.79	36.76	14.58	58.99	0.73	300	37	PEAK	2 7319.00	43.56	54.00	-10.44	50.48	36.76	14.58	58.99	0.73	300	37	AVERAGE	3 10440.00	52.86	68.20	-15.34	57.02	38.60	17.56	60.65	0.33	175	291	PEAK	4 10440.00	45.57	54.00	-8.43	49.73	38.60	17.56	60.65	0.33	175	291	AVERAGE	5 15660.00	45.26	74.00	-28.74	47.75	37.60	21.63	62.05	0.33	--	--	PEAK
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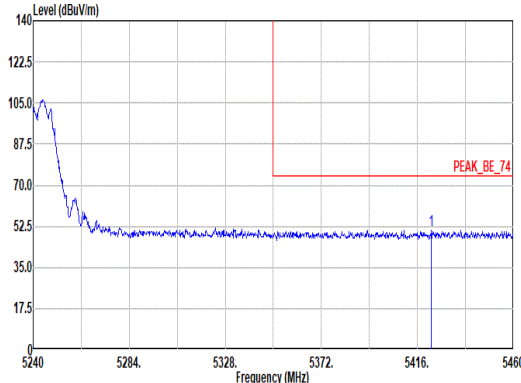
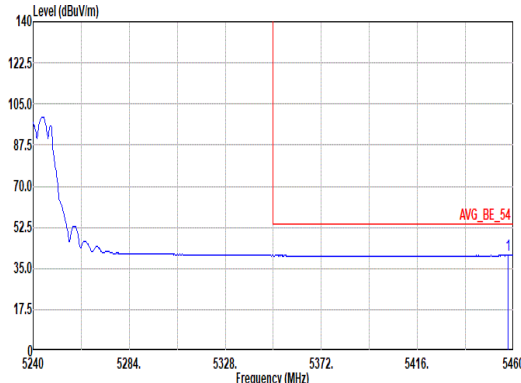


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ANT	0+1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 91280_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 91280_01620_240828 VERTICAL
17.7G ~18G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 91280_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 91280_01620_240828 VERTICAL

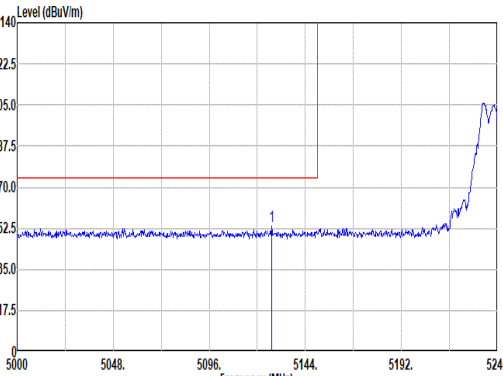
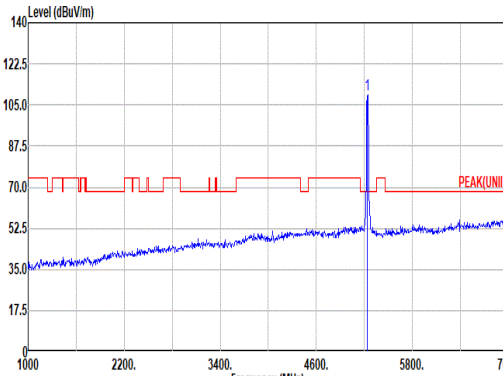
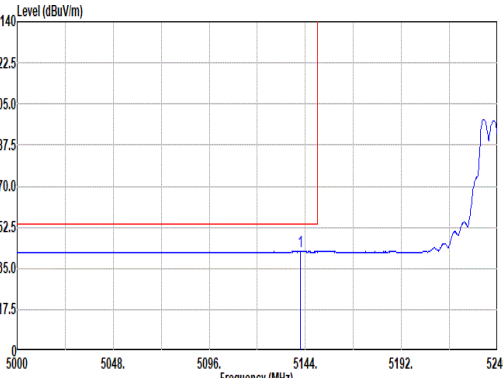
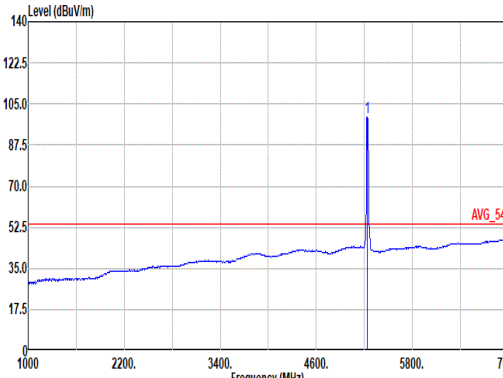


Mode	3																																																																																						
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	U-NII-1_5.15-5.25_802.11a Tx_CH48_5240MHz																																																																																						
ANT	0+1																																																																																						
Pol.	Horizontal					Fundamental																																																																																	
Peak																																																																																							
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	Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark																																																																											
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	Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark																																																																											
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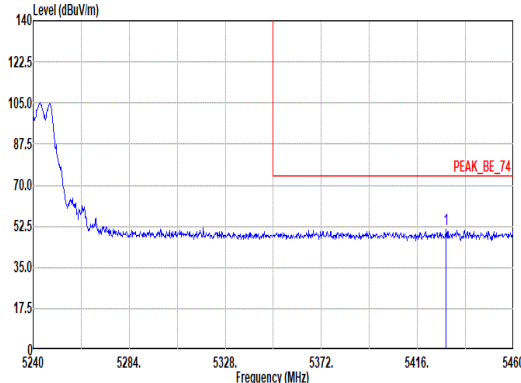
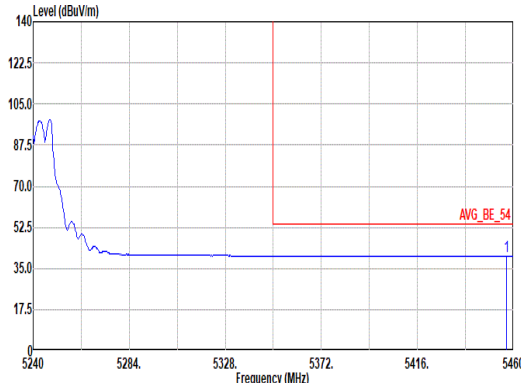


Mode	3																																		
	Band Edge - R																																		
	U-NII-1_5.15-5.25_802.11a Tx_CH48_5240MHz																																		
ANT	0+1																																		
Pol.	Horizontal	Fundamental																																	
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Freq	Level	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																									
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																									
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Avg	 Site : 03CH11-HY Condition: AVG_BE_54 3m 91200_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1 5457.58</td><td>40.50</td><td>54.00</td><td>-13.50</td><td>29.91</td><td>32.83</td><td>10.60</td><td>32.84</td><td>0.00</td><td>100</td><td>307 AVERAGE</td></tr></table>	Freq	Level	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1 5457.58	40.50	54.00	-13.50	29.91	32.83	10.60	32.84	0.00	100	307 AVERAGE	Blank
Freq	Level	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																									
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																									
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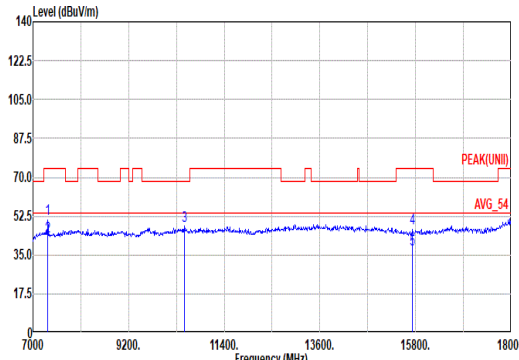
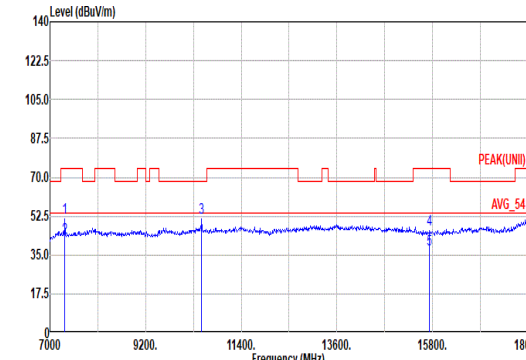


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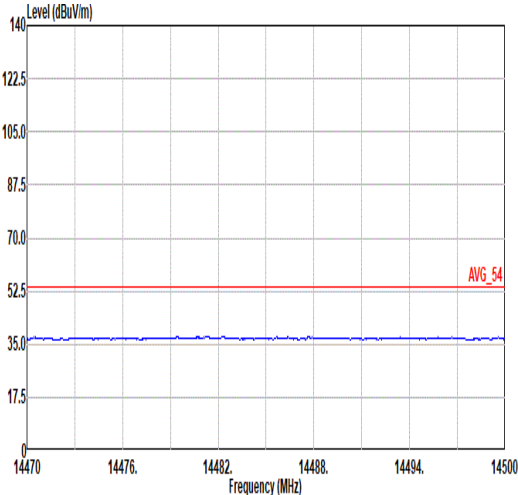
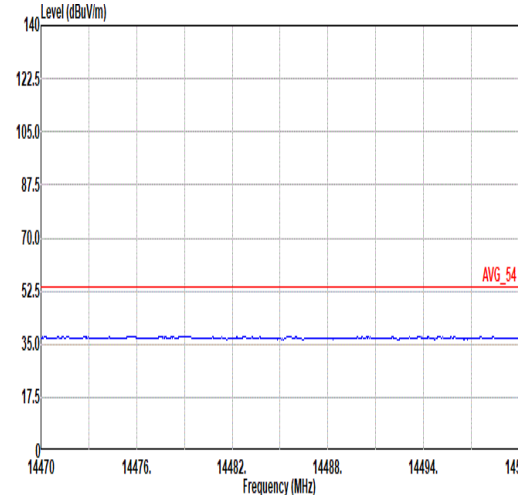
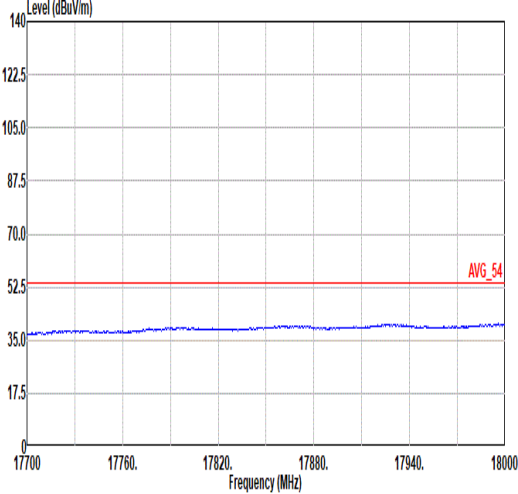
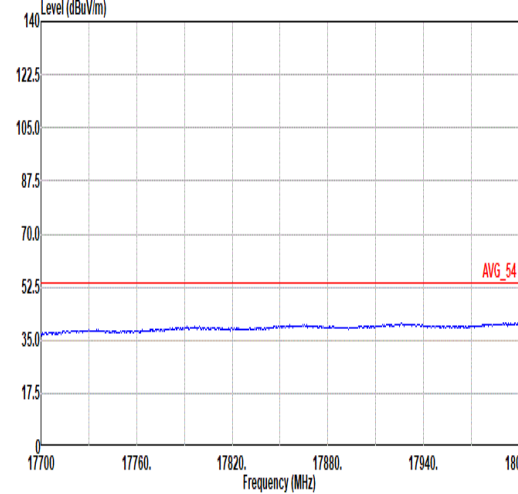


Mode	3																																		
	Band Edge - R																																		
	U-NII-1_5.15-5.25_802.11a Tx_CH48_5240MHz																																		
ANT	0+1																																		
Pol.	Vertical	Fundamental																																	
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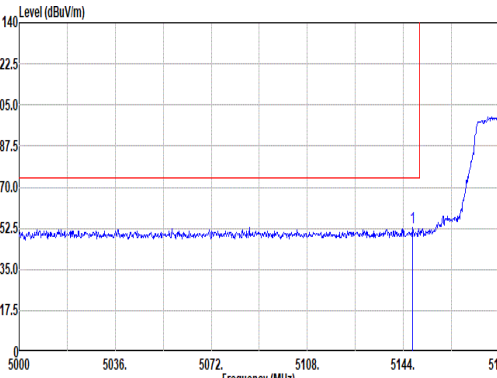
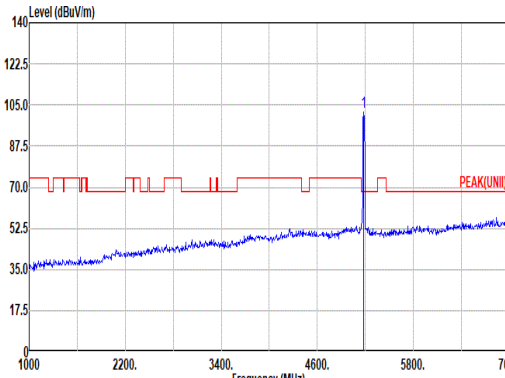
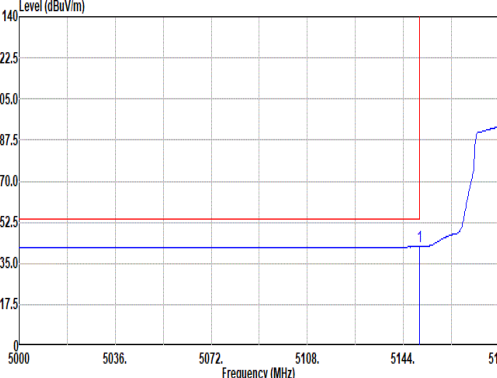
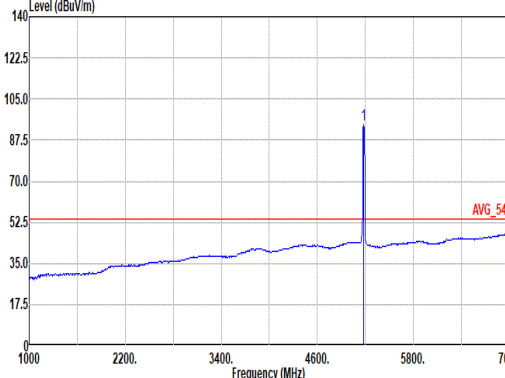


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Mode	3	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a Tx_CH48_5240MHz	
ANT	0+1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 91280_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 91280_01620_240828 VERTICAL
17.7G ~18G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 91280_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 91280_01620_240828 VERTICAL



Mode	4																																																																																					
	Band Edge																																																																																					
	U-NII-1_5.15-5.25_802.11ac VHT20_CH36_5180MHz																																																																																					
ANT	0+1																																																																																					
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Mode	4										
	Band Edge										
	U-NII-1_5.15-5.25_802.11ac VHT20_CH36_5180MHz										
ANT	0+1										
Pol.	Vertical										
Peak	Fundamental										
	Fundamental										
	Fundamental										
Peak	Fundamental										
	Fundamental										
	Fundamental										
Avg	Fundamental										
	Fundamental										
	Fundamental										

Level (dBuV/m)

140

122.5

105.0

87.5

70.0

52.5

35.0

17.5

0

5000

5036

5072

5108

5144

5180

Frequency (MHz)

Site : 03CH11-HY

Condition: PEAK_BE_74 3m 91200_01620_240828 VERTICAL

: RBW:1000.000kHz VBW:3000.000kHz SMT: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
1 5114.30	52.80	74.00	-21.20	42.27	33.06	10.34	32.87	0.00	100
									36 PEAK

Level (dBuV/m)

140

122.5

105.0

87.5

70.0

52.5

35.0

17.5

0

1000

2200

3400

4600

5800

7000

Frequency (MHz)

Site : 03CH11-HY

Condition: PEAK(UNII) 3m 91200_01620_240828 VERTICAL

: RBW:1000.000kHz VBW:3000.000kHz SMT: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
1 5180.00	103.15	-----	-----	92.52	33.12	10.38	32.87	0.00	100
									36 PEAK

Level (dBuV/m)

140

122.5

105.0

87.5

70.0

52.5

35.0

17.5

0

5000

5036

5072

5108

5144

5180

Frequency (MHz)

Site : 03CH11-HY

Condition: AVG_BE_54 3m 91200_01620_240828 VERTICAL

: RBW:1000.000kHz VBW:0.010kHz SMT: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
1 5149.94	42.60	54.00	-11.40	31.90	33.20	10.37	32.87	0.00	100
									36 AVERAGE

Level (dBuV/m)

140

122.5

105.0

87.5

70.0

52.5

35.0

17.5

0

1000

2200

3400

4600

5800

7000

Frequency (MHz)

Site : 03CH11-HY

Condition: AVG_54 3m 91200_01620_240828 VERTICAL

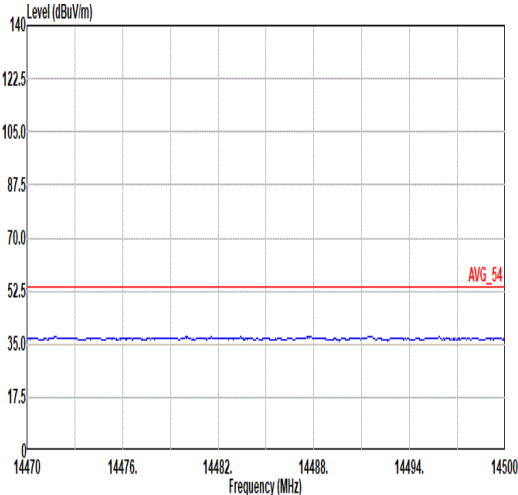
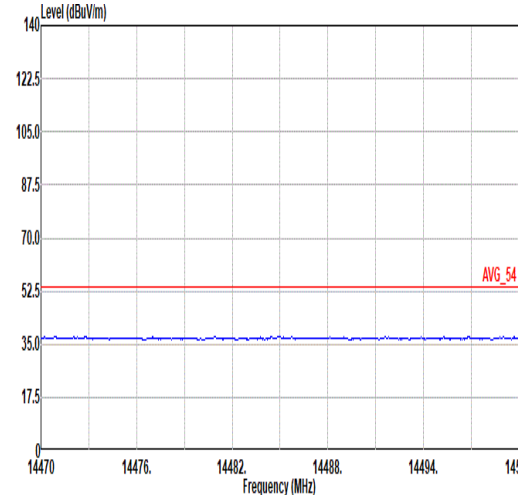
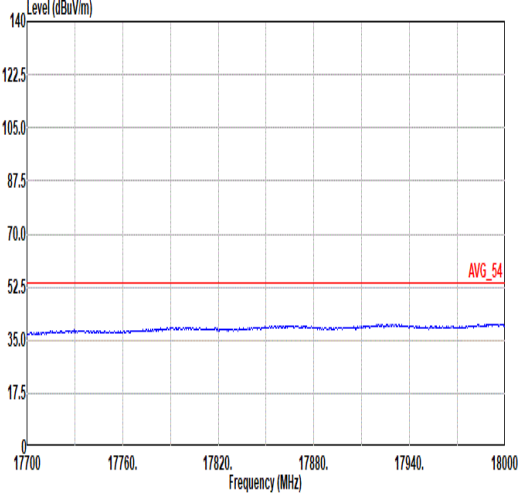
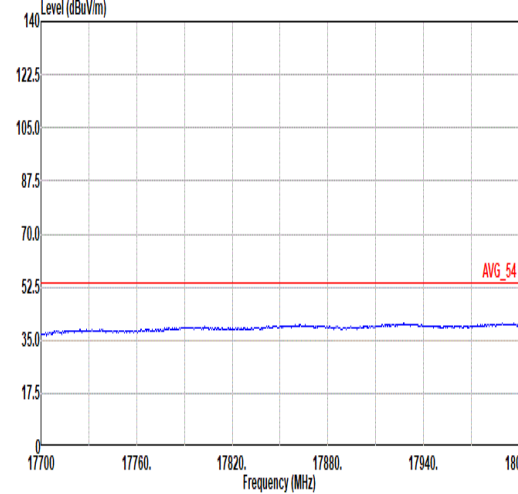
: RBW:1000.000kHz VBW:0.010kHz SMT:Auto

	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
1 5180.00	95.68	-----	-----	85.06	33.10	10.39	32.87	0.00	100
									36 AVERAGE

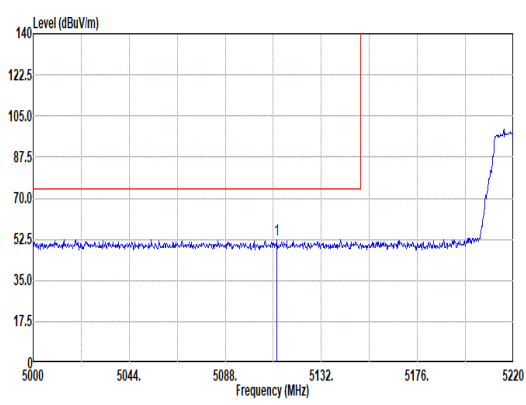
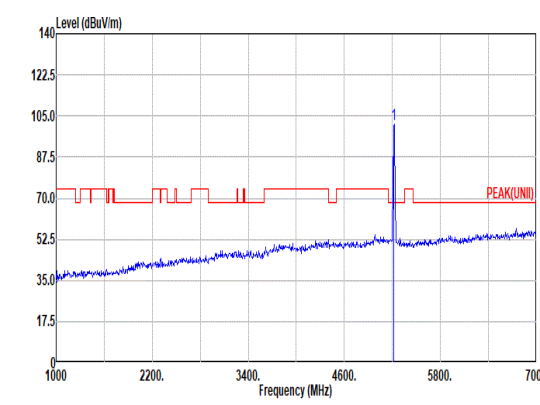
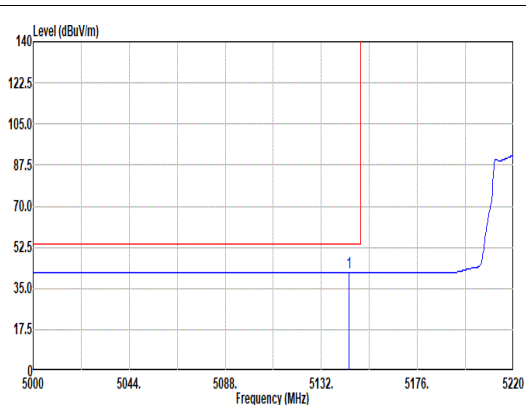
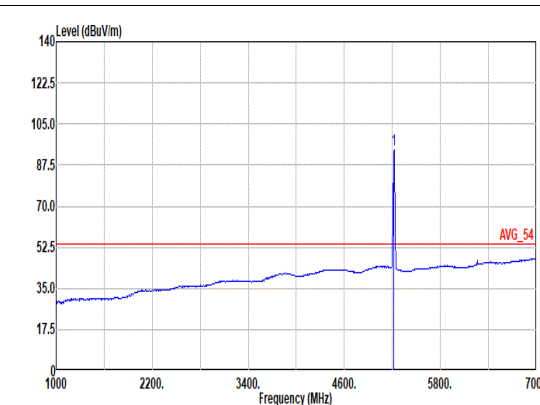


Mode	4																																																																																																																																																																	
	Harmonic																																																																																																																																																																	
	U-NII-1_5.15-5.25_802.11ac VHT20_CH36_5180MHz																																																																																																																																																																	
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Pol.	Horizontal	Vertical																																																																																																																																																																
Peak Avg	Site : 03CH11-HY Condition: PEAK(UNII) 3m 91200_01620_240828 HORIZONTAL <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>7253.00</td><td>51.30</td><td>74.00</td><td>-22.62</td><td>50.27</td><td>36.00</td><td>14.55</td><td>59.03</td><td>0.79</td><td>109</td><td>360</td><td>PEAK</td></tr><tr><td>2</td><td>7253.00</td><td>41.05</td><td>54.00</td><td>-12.15</td><td>40.74</td><td>36.00</td><td>14.55</td><td>59.03</td><td>0.79</td><td>109</td><td>360</td><td>AVERAGE</td></tr><tr><td>3</td><td>10360.00</td><td>46.51</td><td>68.20</td><td>-21.69</td><td>50.59</td><td>38.60</td><td>17.53</td><td>60.53</td><td>0.32</td><td>--</td><td>--</td><td>PEAK</td></tr><tr><td>4</td><td>15540.00</td><td>46.36</td><td>74.00</td><td>-27.64</td><td>48.72</td><td>38.10</td><td>21.57</td><td>62.36</td><td>0.33</td><td>--</td><td>--</td><td>PEAK</td></tr></table>		Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg	1	7253.00	51.30	74.00	-22.62	50.27	36.00	14.55	59.03	0.79	109	360	PEAK	2	7253.00	41.05	54.00	-12.15	40.74	36.00	14.55	59.03	0.79	109	360	AVERAGE	3	10360.00	46.51	68.20	-21.69	50.59	38.60	17.53	60.53	0.32	--	--	PEAK	4	15540.00	46.36	74.00	-27.64	48.72	38.10	21.57	62.36	0.33	--	--	PEAK	Site : 03CH11-HY Condition: PEAK(UNII) 3m 91200_01620_240828 VERTICAL <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>7253.00</td><td>50.50</td><td>74.00</td><td>-23.50</td><td>57.39</td><td>36.00</td><td>14.55</td><td>59.03</td><td>0.79</td><td>210</td><td>327</td><td>PEAK</td></tr><tr><td>2</td><td>7253.00</td><td>41.49</td><td>54.00</td><td>-12.51</td><td>48.36</td><td>36.00</td><td>14.55</td><td>59.03</td><td>0.79</td><td>210</td><td>327</td><td>AVERAGE</td></tr><tr><td>3</td><td>10360.00</td><td>47.87</td><td>68.20</td><td>-20.33</td><td>51.95</td><td>38.60</td><td>17.53</td><td>60.53</td><td>0.32</td><td>180</td><td>45</td><td>PEAK</td></tr><tr><td>4</td><td>15540.00</td><td>45.87</td><td>74.00</td><td>-28.13</td><td>48.23</td><td>38.10</td><td>21.57</td><td>62.36</td><td>0.33</td><td>--</td><td>--</td><td>PEAK</td></tr></table>		Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg	1	7253.00	50.50	74.00	-23.50	57.39	36.00	14.55	59.03	0.79	210	327	PEAK	2	7253.00	41.49	54.00	-12.51	48.36	36.00	14.55	59.03	0.79	210	327	AVERAGE	3	10360.00	47.87	68.20	-20.33	51.95	38.60	17.53	60.53	0.32	180	45	PEAK	4	15540.00	45.87	74.00	-28.13	48.23	38.10	21.57	62.36	0.33	--	--	PEAK
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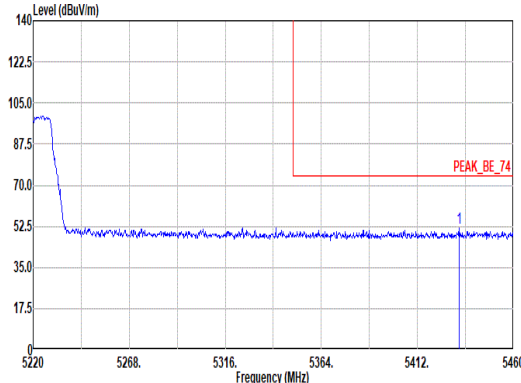
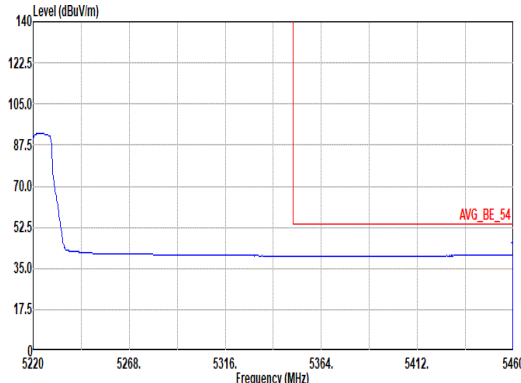


Mode	4	
	Harmonic	
	U-NII-1_5.15-5.25_802.11ac VHT20_CH36_5180MHz	
ANT	0+1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 91280_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 91280_01620_240828 VERTICAL
17.7G ~18G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 91280_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 91280_01620_240828 VERTICAL

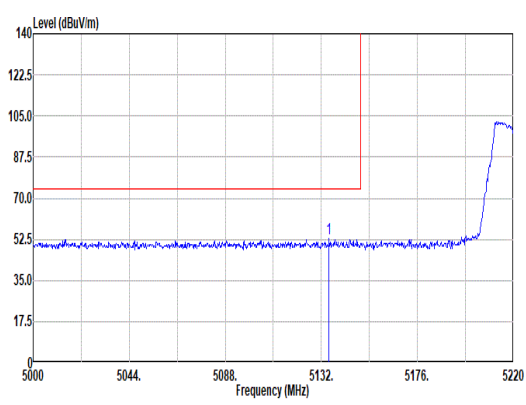
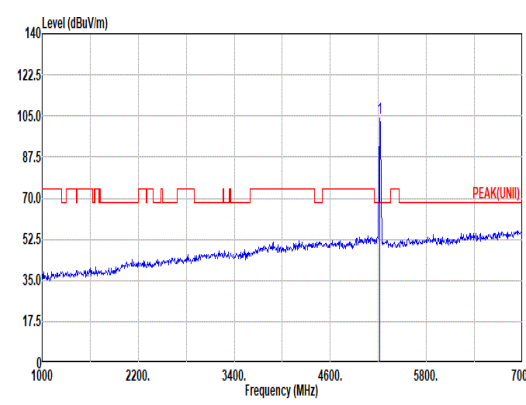
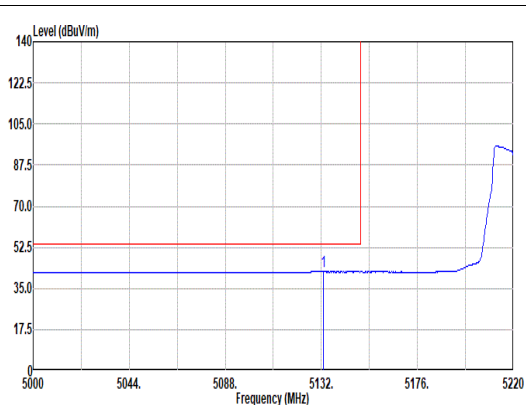
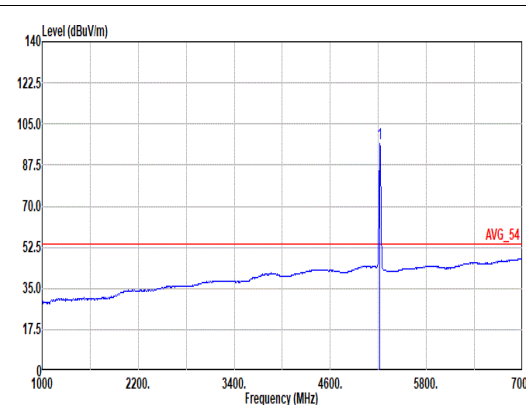


Mode	5																																																																																		
	Band Edge - L																																																																																		
	U-NII-1_5.15-5.25_802.11ac VHT20_CH44_5220MHz																																																																																		
ANT	0+1																																																																																		
Pol.	Horizontal						Fundamental																																																																												
Peak																																																																																			
	Site : 03CH11-HY Condition: PEAK_BE_74 3m 91200_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><thead><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read Level Factor</th><th>Ant Loss Factor</th><th>Cable Preamp Loss Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr></thead><tbody><tr><td>1</td><td>5111.54</td><td>52.52</td><td>74.00</td><td>-21.48</td><td>42.01</td><td>33.05</td><td>10.33</td><td>32.87</td><td>0.00</td><td>200</td><td>10 PEAK</td></tr></tbody></table>							Freq	Level	Limit	Line Margin	Read Level Factor	Ant Loss Factor	Cable Preamp Loss Factor	Aux Factor	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg		1	5111.54	52.52	74.00	-21.48	42.01	33.05	10.33	32.87	0.00	200	10 PEAK	Site : 03CH11-HY Condition: PEAK(UNII) 3m 91200_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><thead><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read Level Factor</th><th>Ant Loss Factor</th><th>Cable Preamp Loss Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr></thead><tbody><tr><td>1</td><td>5220.00</td><td>101.46</td><td>-----</td><td>-----</td><td>90.89</td><td>33.00</td><td>10.43</td><td>32.86</td><td>0.00</td><td>200</td><td>10 PEAK</td></tr></tbody></table>							Freq	Level	Limit	Line Margin	Read Level Factor	Ant Loss Factor	Cable Preamp Loss Factor	Aux Factor	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg		1	5220.00	101.46	-----	-----	90.89	33.00	10.43	32.86	0.00	200
	Freq	Level	Limit	Line Margin	Read Level Factor	Ant Loss Factor	Cable Preamp Loss Factor	Aux Factor	APos	TPos	Remark																																																																								
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	Freq	Level	Limit	Line Margin	Read Level Factor	Ant Loss Factor	Cable Preamp Loss Factor	Aux Factor	APos	TPos	Remark																																																																								
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Mode	5																																														
	Band Edge - R																																														
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ANT	0+1																																														
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Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark																																				
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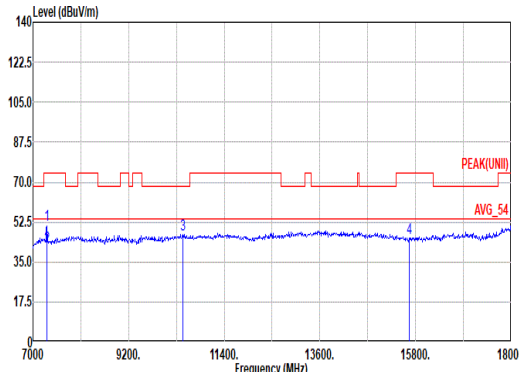
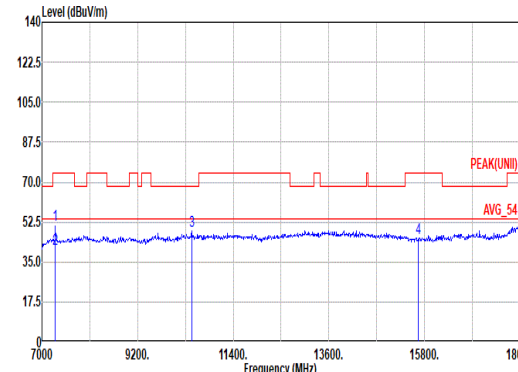


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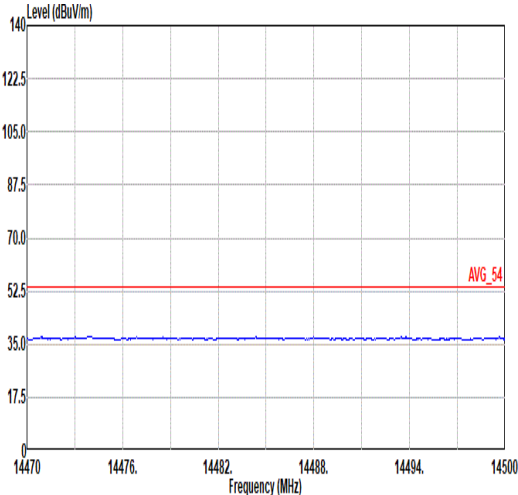
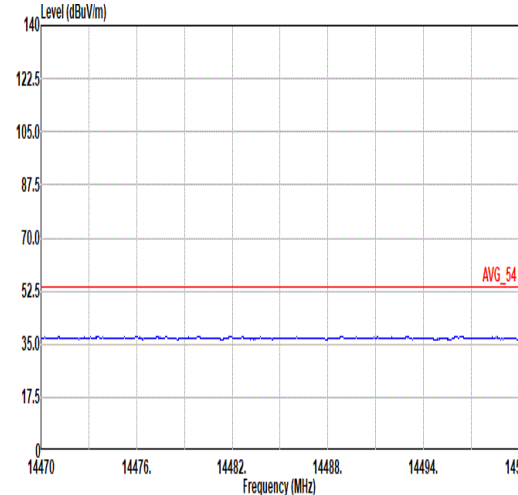
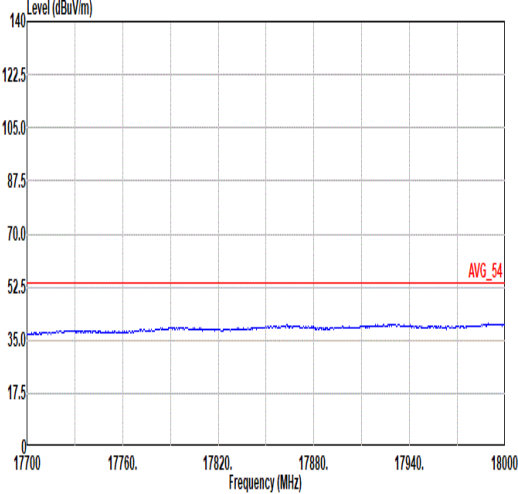
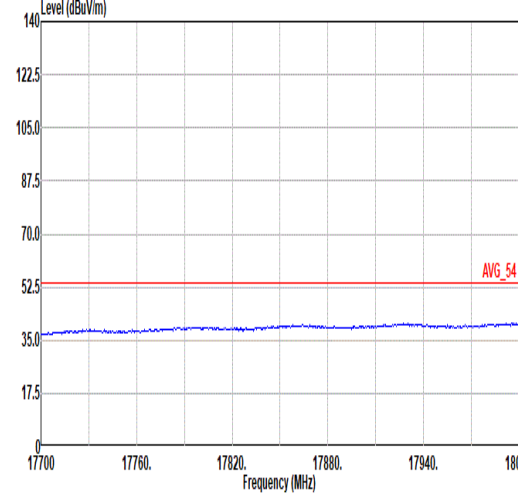


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Pol.	Vertical										
Peak	<										

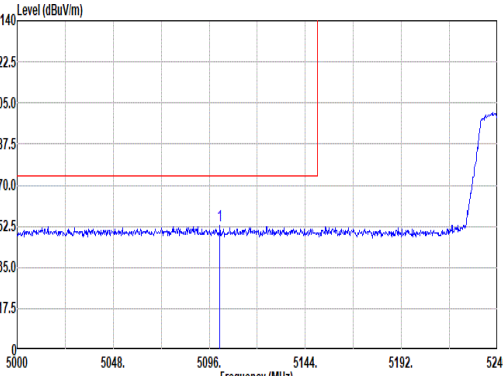
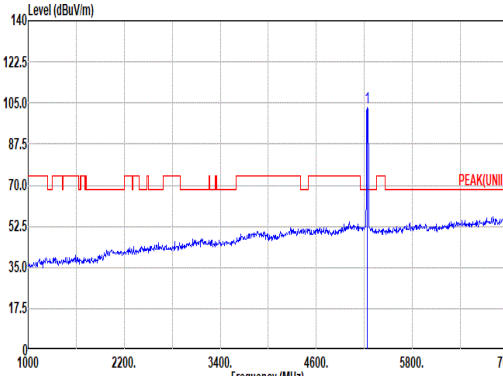
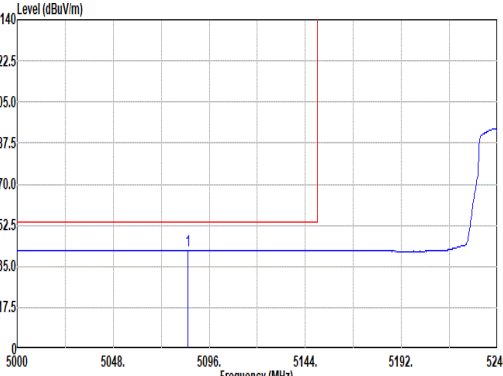
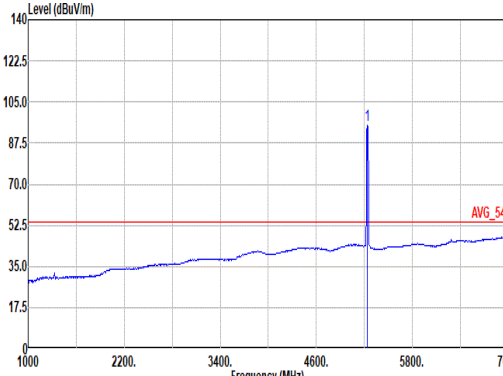
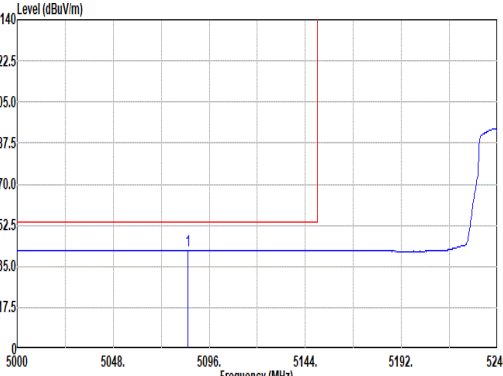
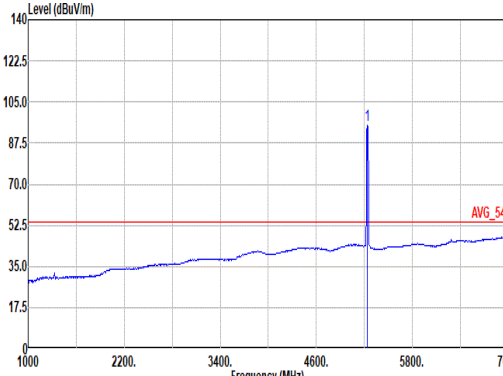
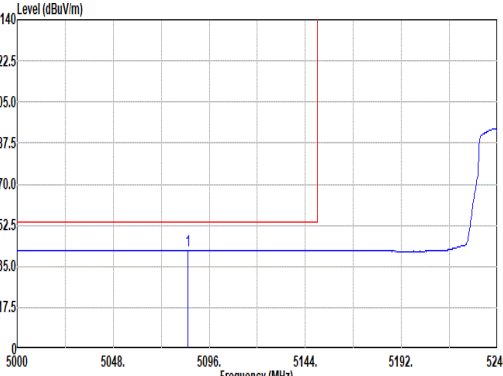
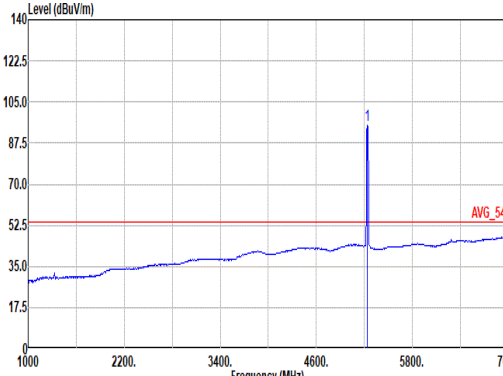


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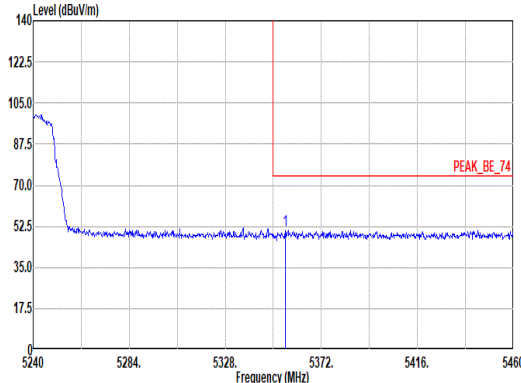
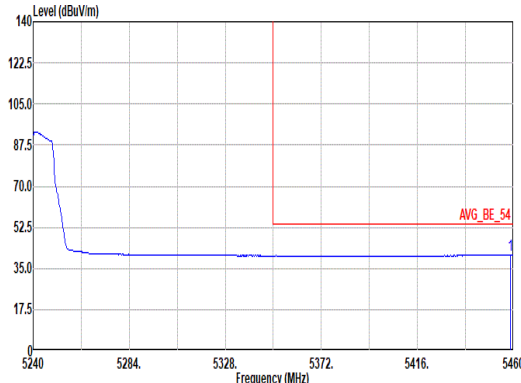


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Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 91280_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 91280_01620_240828 VERTICAL
17.7G ~18G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 91280_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 91280_01620_240828 VERTICAL

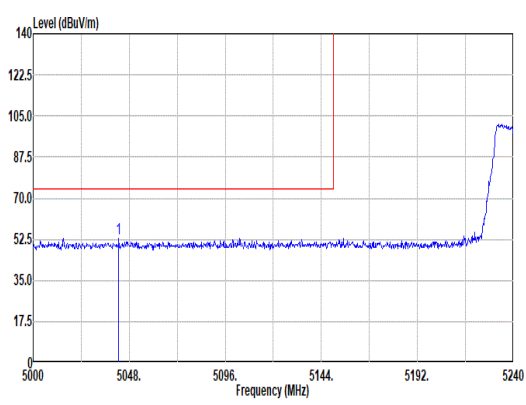
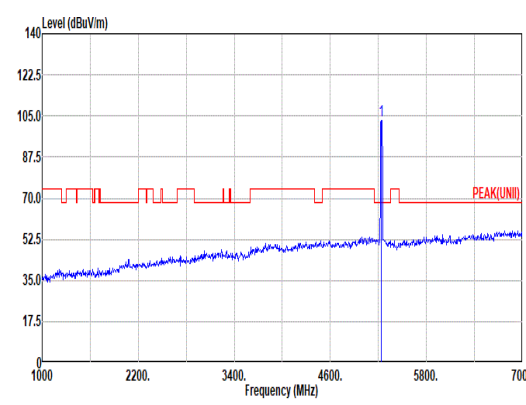
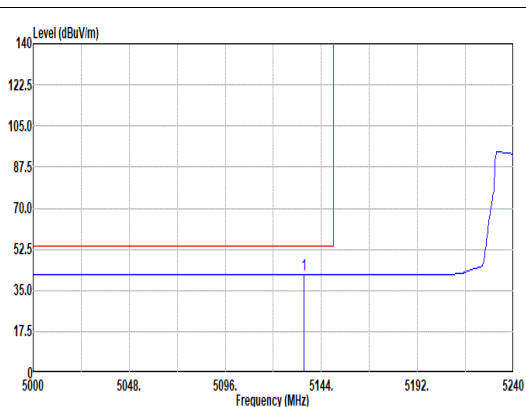
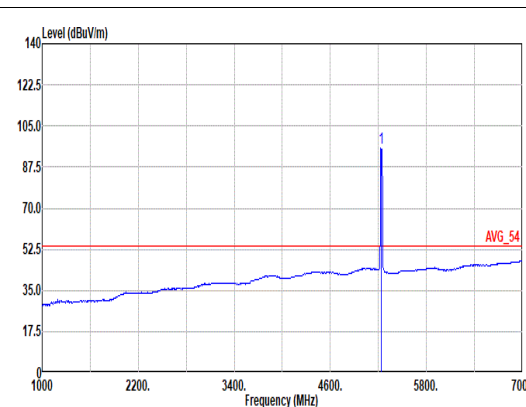


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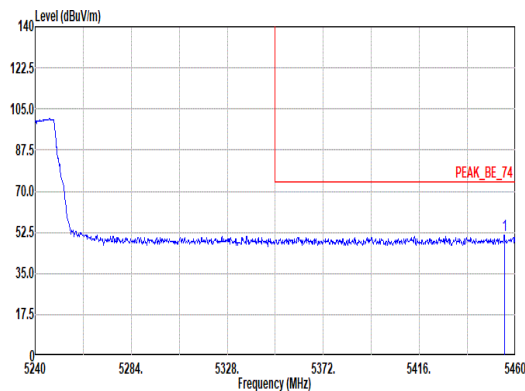
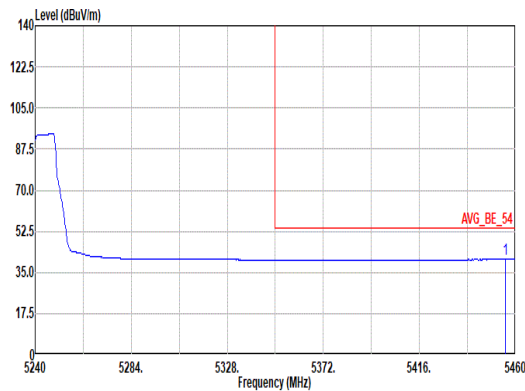


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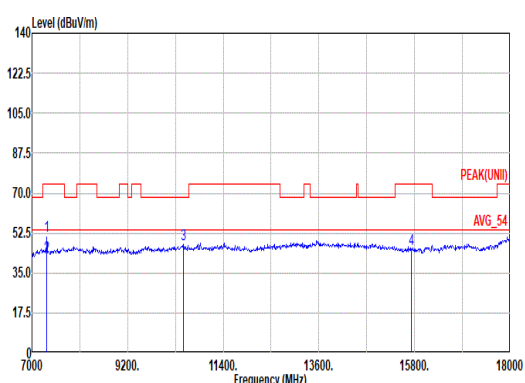
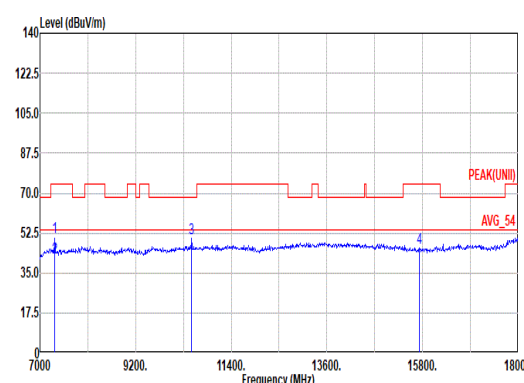


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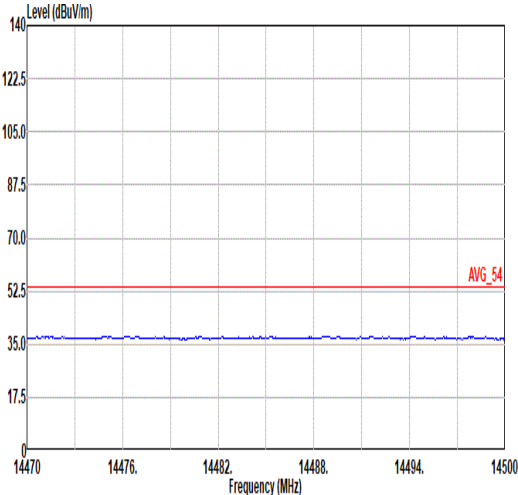
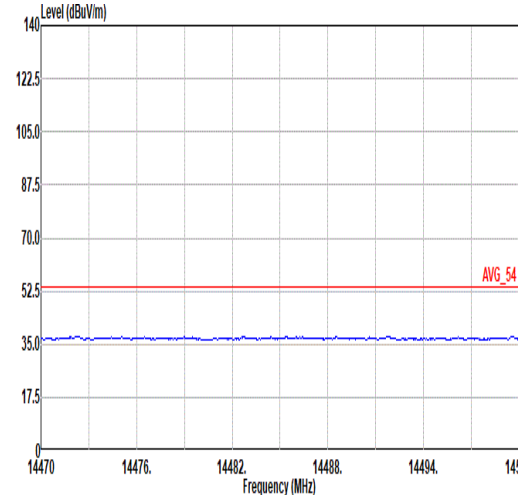
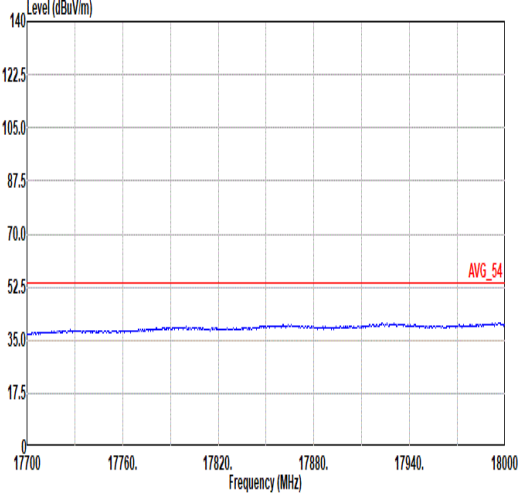
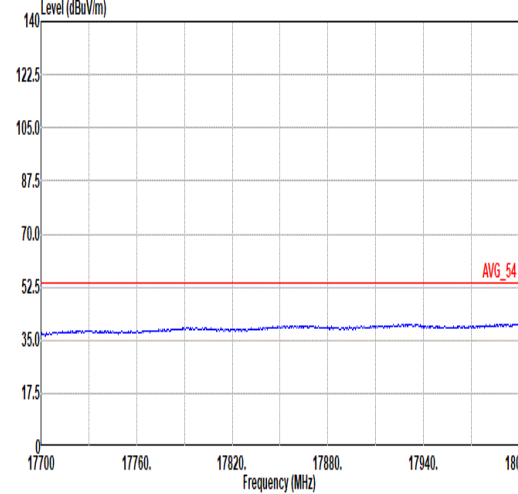


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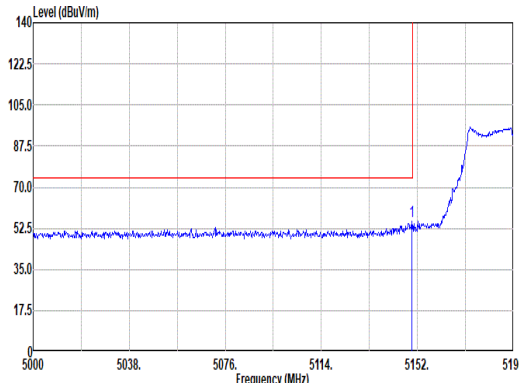
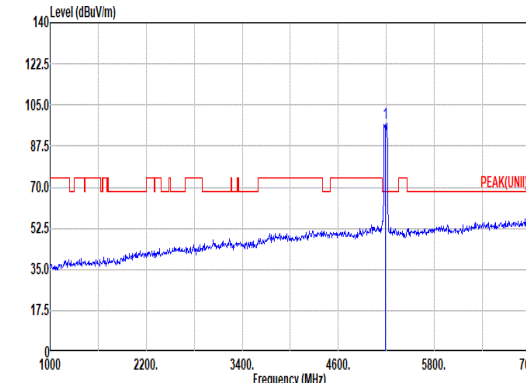
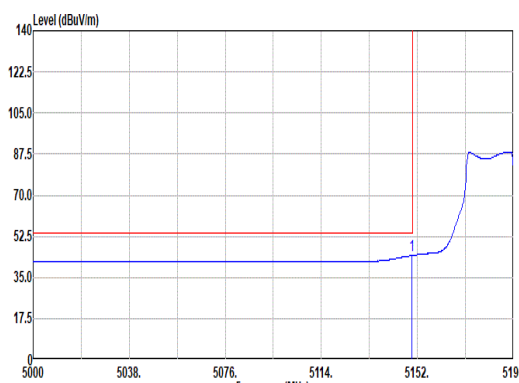
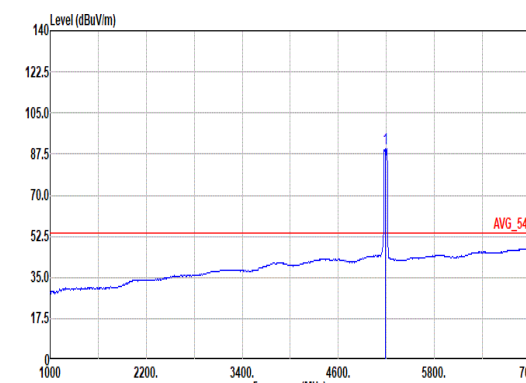


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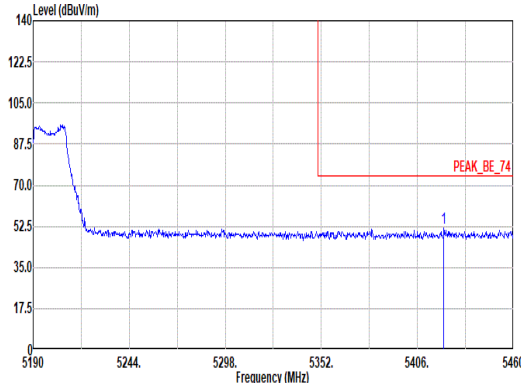
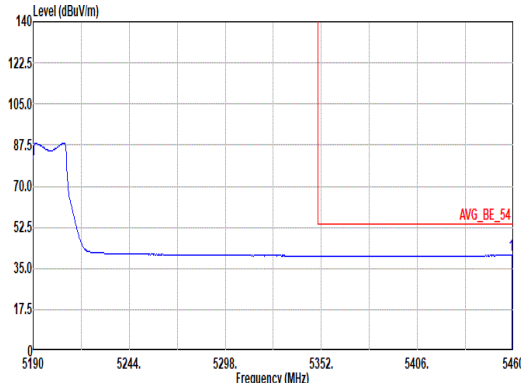


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17.7G ~18G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 91280_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 91280_01620_240828 VERTICAL

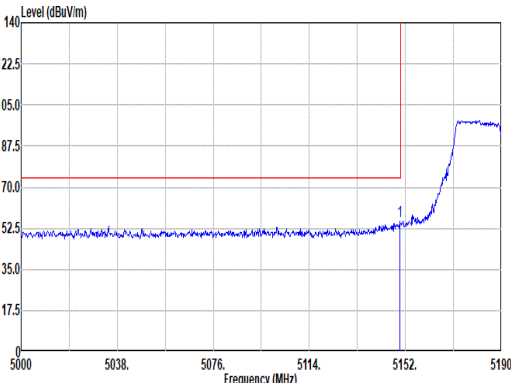
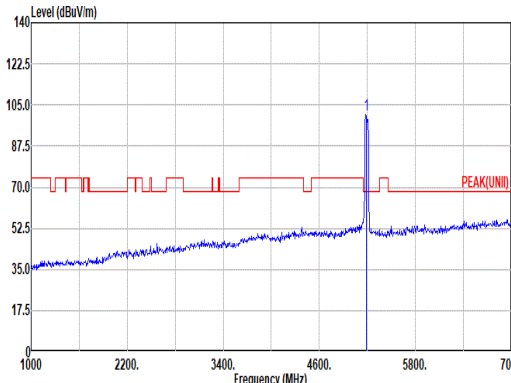
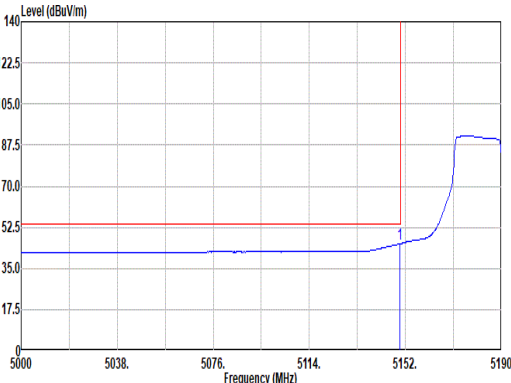
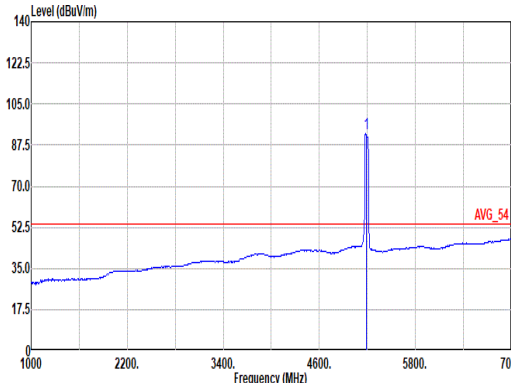


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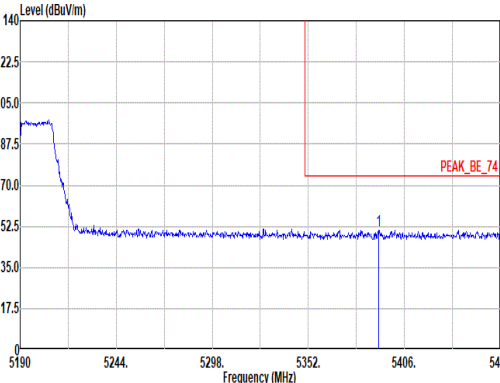
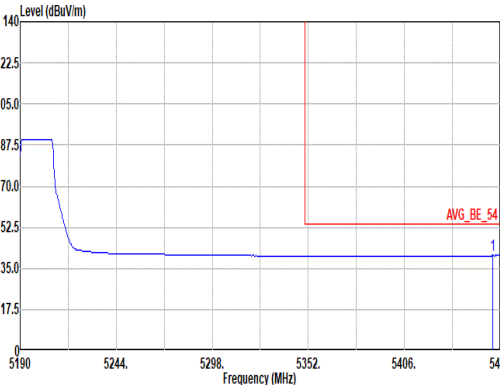


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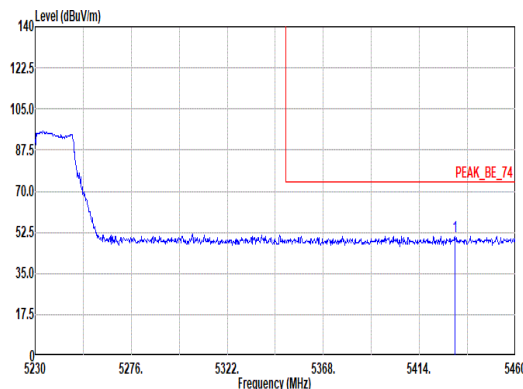
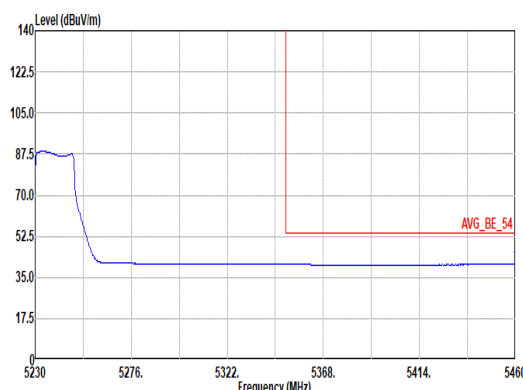


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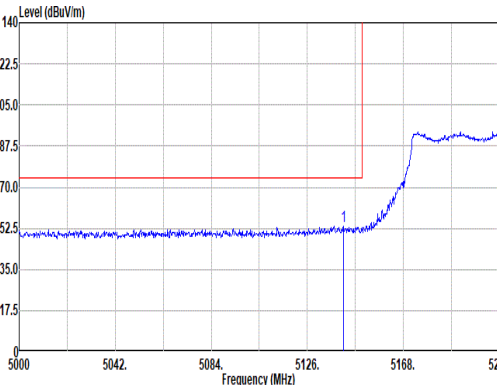
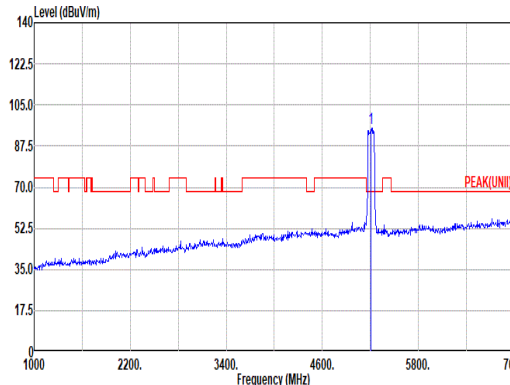
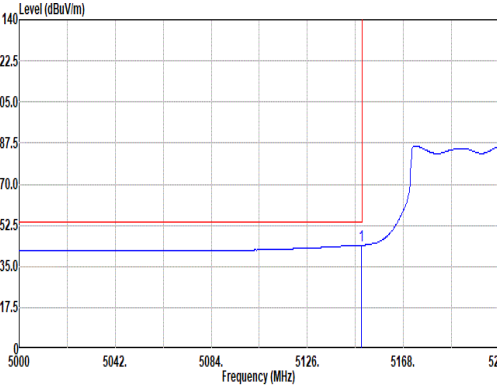
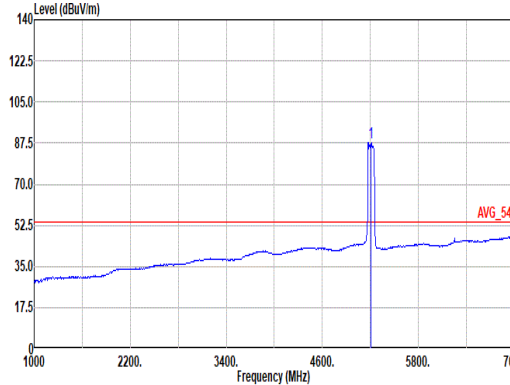


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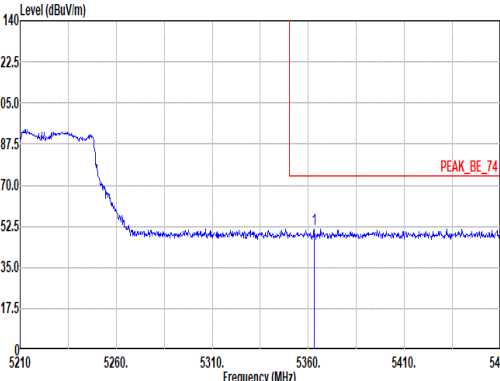
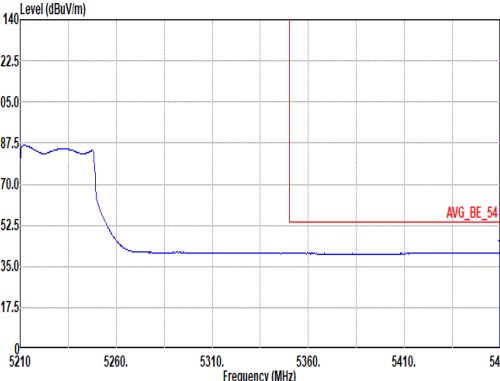


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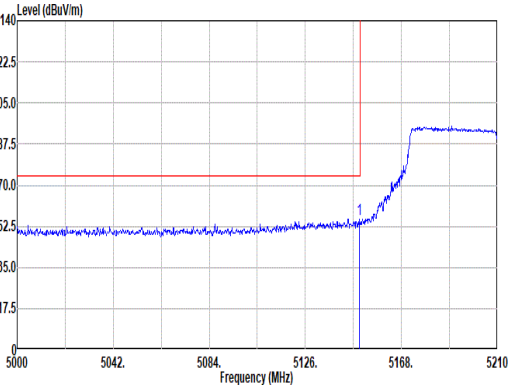
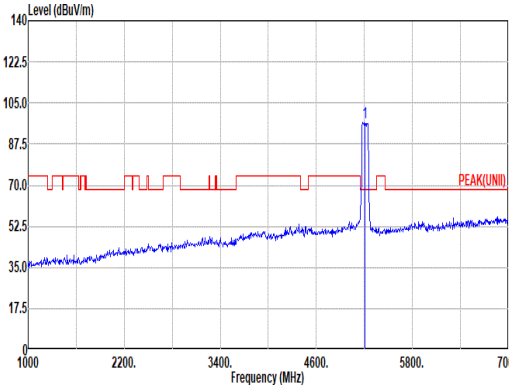
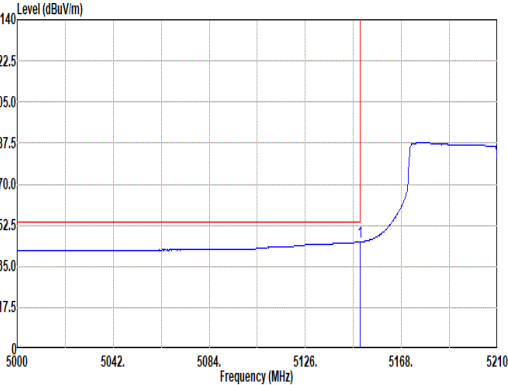
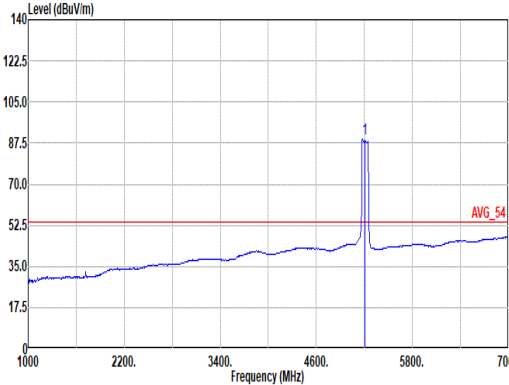


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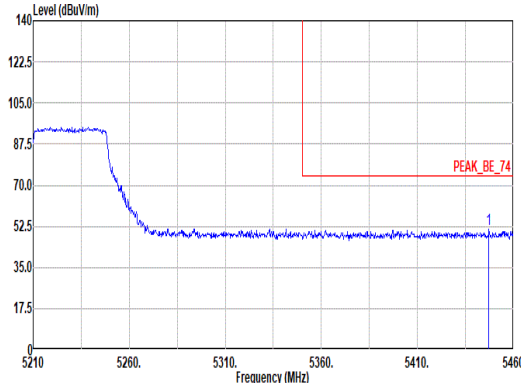
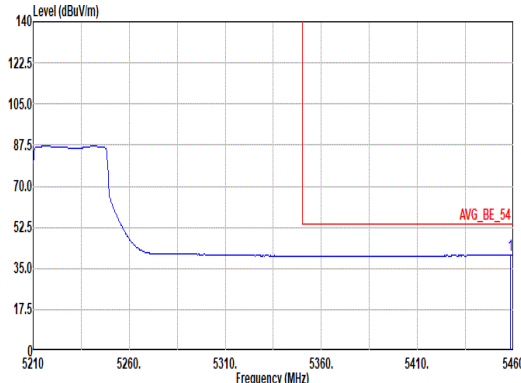


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	Freq	Limit		Read Level	Ant Factor		Cable Loss	Preamp Factor									Aux Factor	APos	TPos	Remark																						
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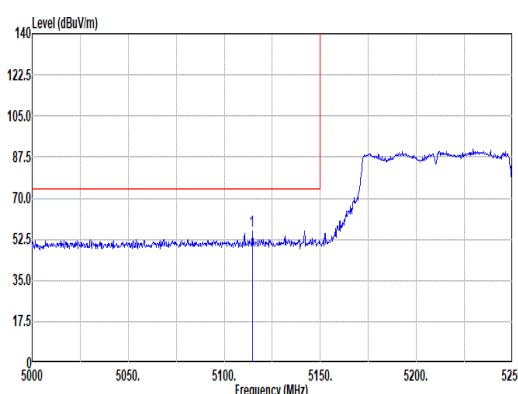
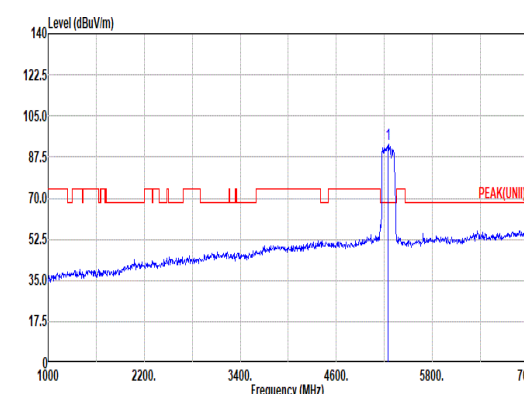
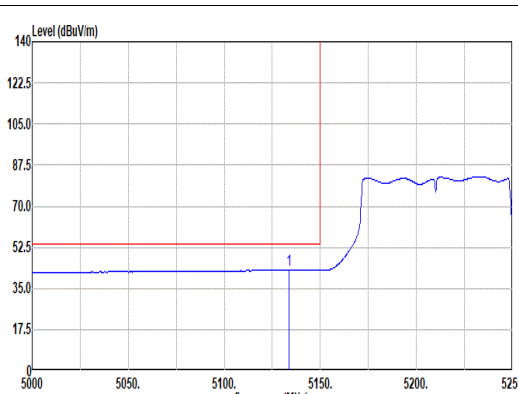
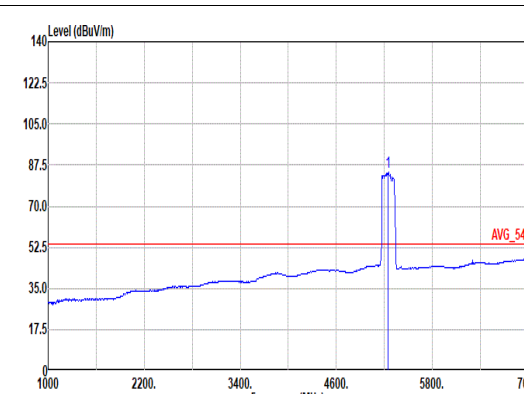


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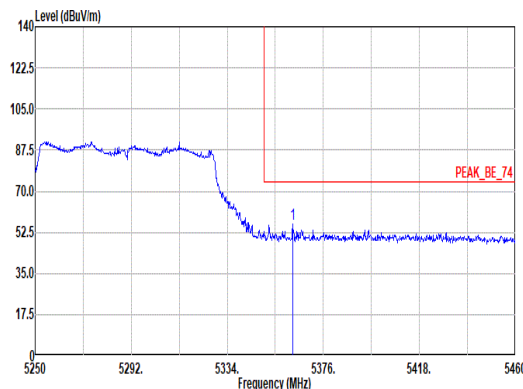
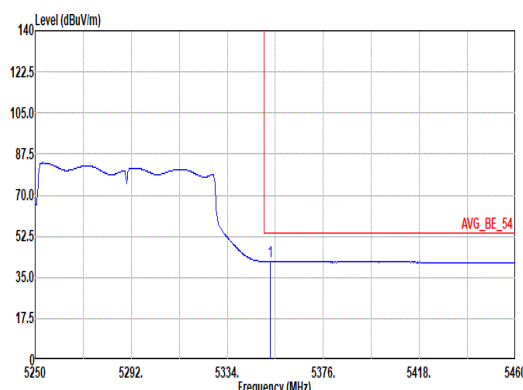


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Pol.	Vertical						Fundamental																																											
Peak	 Site : 03CH11-HY Condition: PEAK_BE_74 3m 91200_01620_240828 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5447.25</td><td>51.07</td><td>74.00</td><td>-22.93</td><td>40.52</td><td>32.00</td><td>10.59</td><td>32.84</td><td>0.00</td><td>100</td><td>81</td><td>PEAK</td></tr></table>							Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		1	5447.25	51.07	74.00	-22.93	40.52	32.00	10.59	32.84	0.00	100	81	PEAK	Blank				
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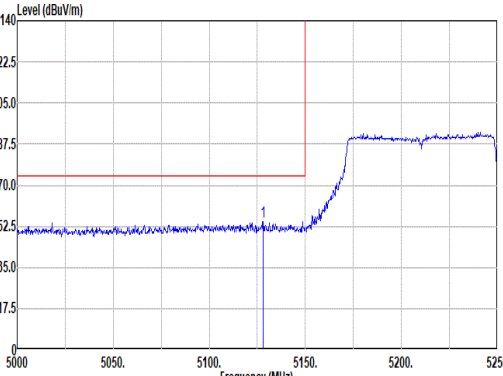
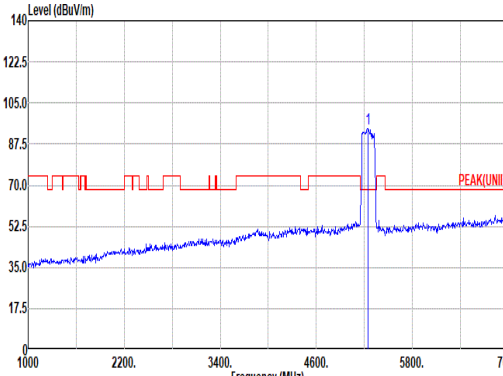
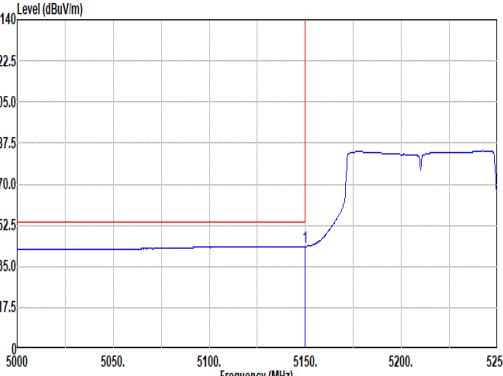
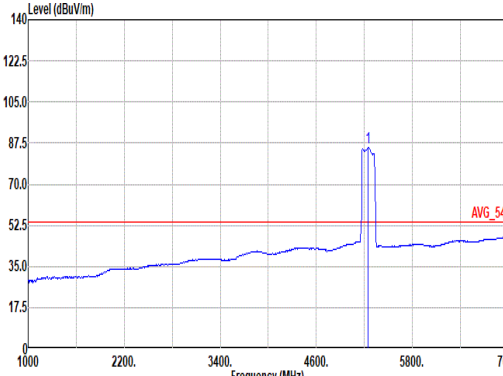


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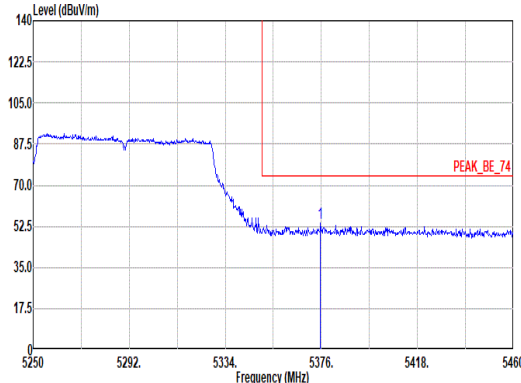
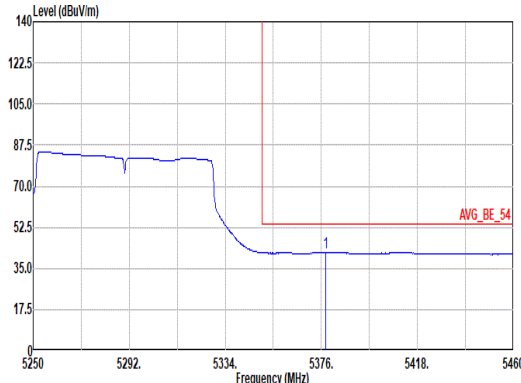


Mode	10																																					
	Band Edge - R																																					
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Pol.	Horizontal	Fundamental																																				
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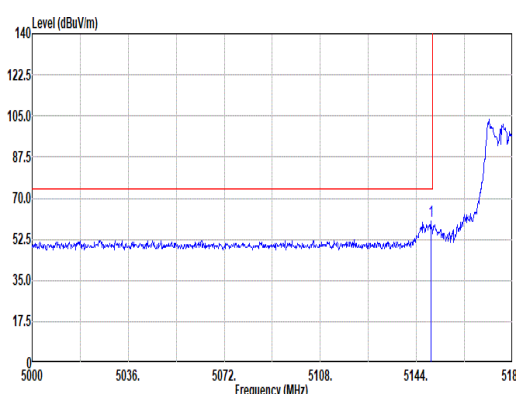
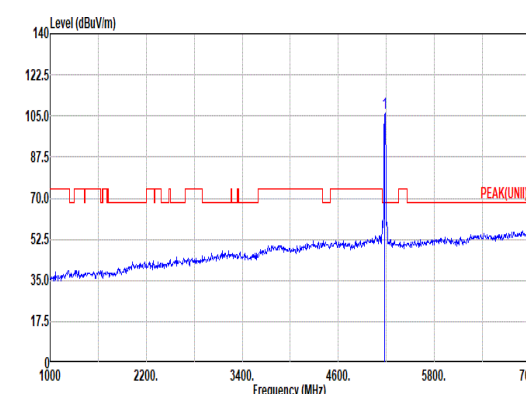
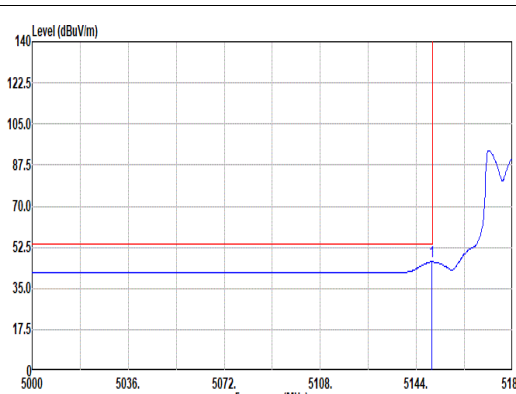
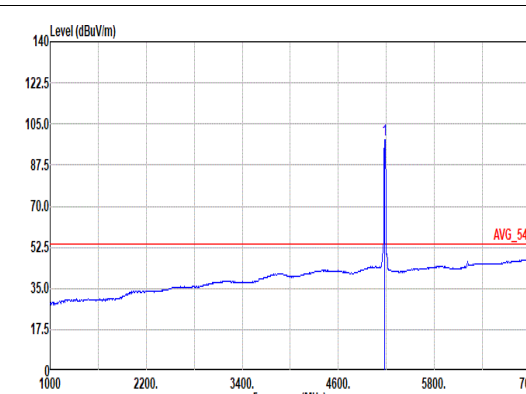


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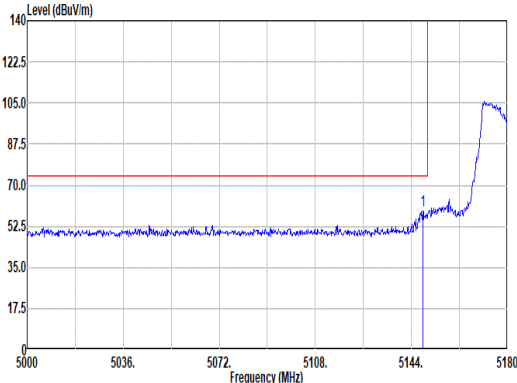
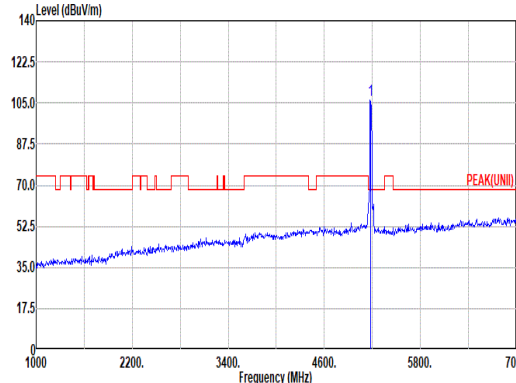
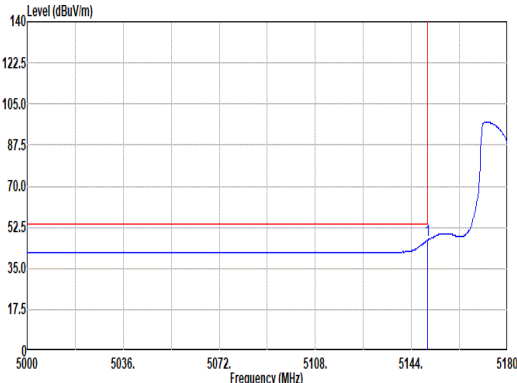
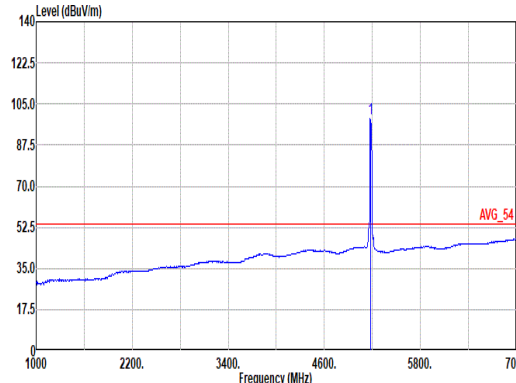


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		Freq	Level	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																			
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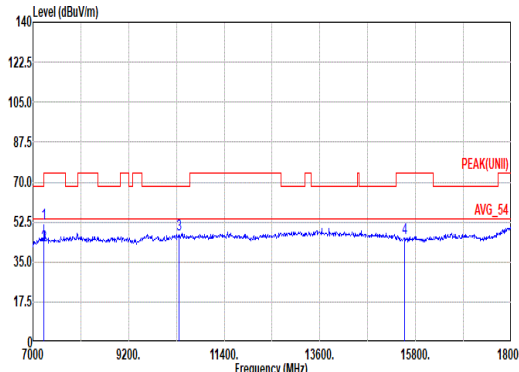
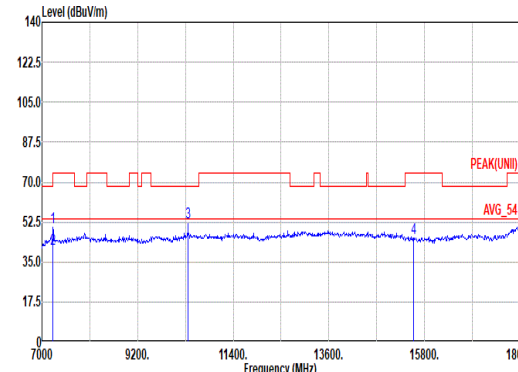


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