



FCC RADIO TEST REPORT

FCC ID : 2BKSS-L1LA10
Equipment : Wireless Router
Model Name : L1LA10
Applicant : Kuiper Systems LLC
: 410 Terry Avenue North, Seattle, Washington, United States 98109
Manufacturer : Kuiper Systems LLC
: 410 Terry Avenue North, Seattle, Washington, United States 98109
Standard : FCC Part 15 Subpart E §15.407

The product was received on Jun. 07, 2024 and testing was performed from Jun. 11, 2024 to Mar. 05, 2025. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

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



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History of this test report

Report No.	Version	Description	Issue Date
FR452002D	01	Initial issue of report	May 20, 2025
FR452002D	02	Revise Appendix D This report is an updated version, replacing the report issued on May 20, 2025.	Jun. 25, 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:

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

Reviewed by: Alan Liu

Report Producer: Lucy Wu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs Bluetooth-LE, IEEE 802.15.4, Wi-Fi 2.4GHz 802.11b/g/n/ax and Wi-Fi 5GHz 802.11a/n/ac/ax.	
Antenna Type WLAN: <Ant. 0>: Dipole Antenna <Ant. 1>: Dipole Antenna	

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Ant. 0: 4.88 Ant. 1: 3.73
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	Ant. 0: 4.88 Ant. 1: 3.73
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	Ant. 0: 4.05 Ant. 1: 4.32

Antenna information for Directional Gain		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	<5G_Ant. 0 + 5G_Ant. 1> Correlated: 4.88 Uncorrelated: 2.16
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	<5G_Ant. 0 + 5G_Ant. 1> Correlated: 4.24 Uncorrelated: 2.16
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	<5G_Ant. 0 + 5G_Ant. 1> Correlated: 5.39 Uncorrelated: 2.62

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

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

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

FCC designation No.: TW3786

1.4 Applicable Standards

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

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

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

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

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
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

TX power level on Ant. 1 in SISO mode is same as that in MIMO mode, so measurement in MIMO mode is sufficient to cover its SISO mode. Test has been performed on MIMO mode, and SISO mode on Ant. 0.

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.

Single Mode

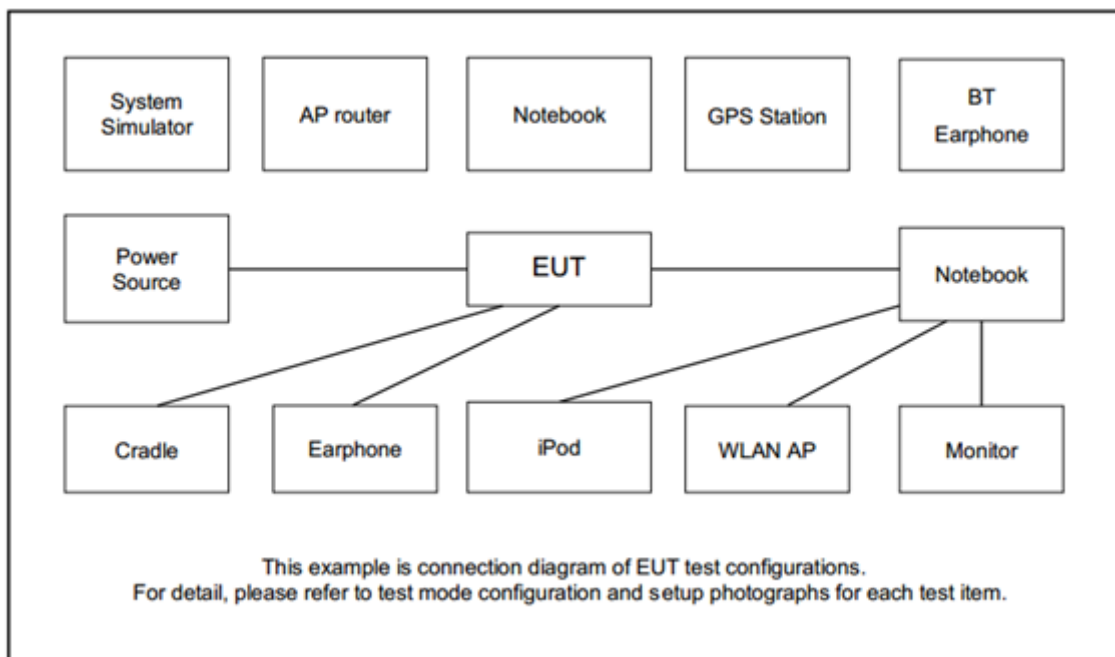
Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by VHT20)	MCS0
802.11n HT40 (Covered by VHT40)	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0
802.11ac VHT160	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0
802.11ax HE160	MCS0

MIMO Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by VHT20)	MCS0
802.11n HT40 (Covered by VHT40)	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0
802.11ac 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 : WLAN (2.4GHz) Link + WLAN (5GHz) Link + IEEE 802.15.4 Tx + RJ-45 75ft shielded cable (WAN) Link with PD board + RJ-45(LAN) Link + Power cable + PD board with Laptop and dynamic load profile
Remark: - For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power. - The detailed Radiated test modes are shown in Appendix C.	

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	DELL	P79G	FCC DoC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m
2.	Notebook	HP	81DE	FCC DoC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m
3.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m
4.	Notebook	MSI	MS-17L3	FCC DoC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m
5.	Electronic POE load	BK PRECISION	8602B	N/A	N/A	Unshielded, 1.8m

2.5 EUT Operation Test Setup

The RF test items, utility "Putty Release0.62" 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.

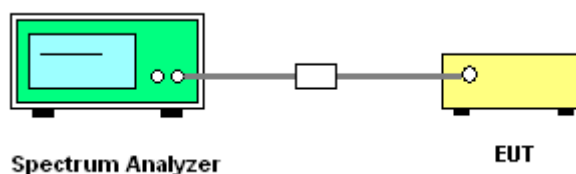
3.1.2 Measuring Instruments

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 $11 \text{ dBm} + 10 \log B$, 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

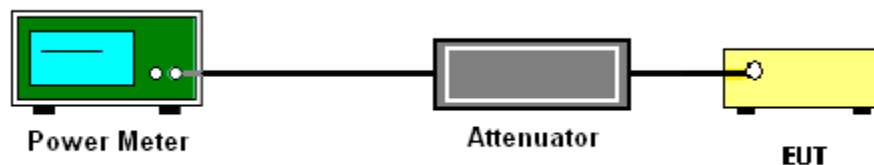
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

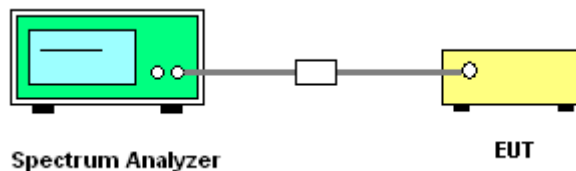
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- 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

- 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) Use the following spectrum analyzer settings:

For average measurement:

The procedure for method trace averaging is as follows:

- RBW = 1 MHz.
- $VBW \geq [3 \times RBW]$.
- Detector = RMS (power averaging), if $[\text{span} / (\# \text{ of points in sweep})] \leq RBW / 2$. Satisfying this condition can require increasing the number of points in the sweep or reducing the span. If the condition is not satisfied, then the detector mode shall be set to peak.

- d) Averaging type = power (i.e., rms) (As an alternative, the detector and averaging type may be set for linear voltage averaging.
 - e) Sweep time = auto
 - f) Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, then the number of traces shall be increased by a factor of $1 / D$, where D is the duty cycle. For example, with 50% duty cycle, at least 200 traces shall be averaged. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—then rather than turning ON and OFF with the transmit cycle, at least 100 traces shall be averaged.)
 - g) If tests are performed with the EUT transmitting at a duty cycle less than 98%, then a correction factor shall be added to the measurement results prior to comparing with the emission limit, to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:
 - 1) If power averaging (rms) mode was used in the preceding step e), then the correction factor is $[10 \log (1 / D)]$, where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB shall be added to the measured emission levels.
 - 2) If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission.
- 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.

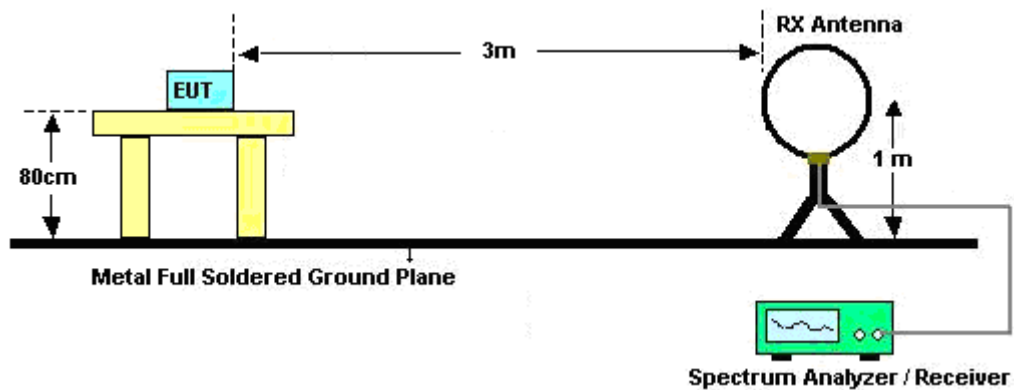
When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-”.

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

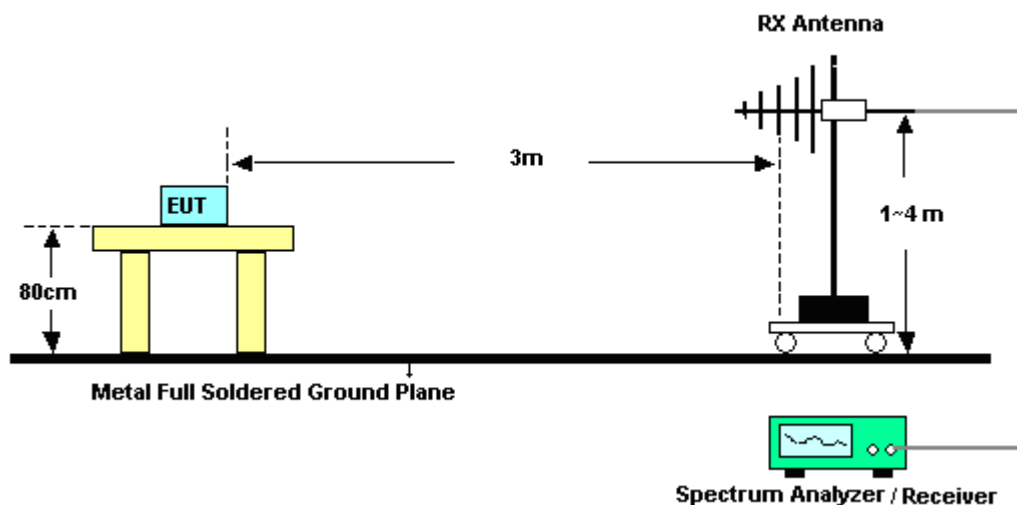
When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-”.

3.4.4 Test Setup

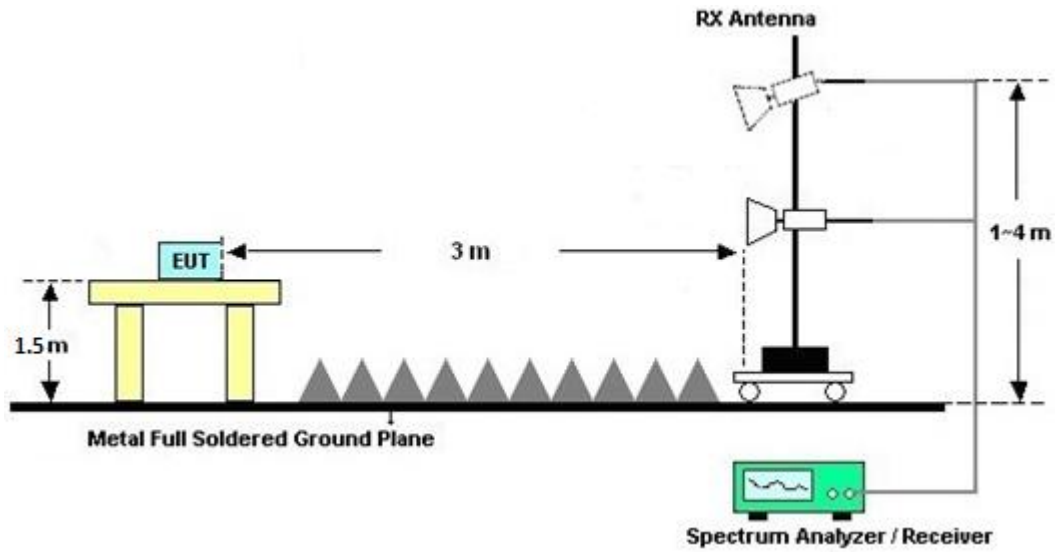
For radiated emissions below 30MHz



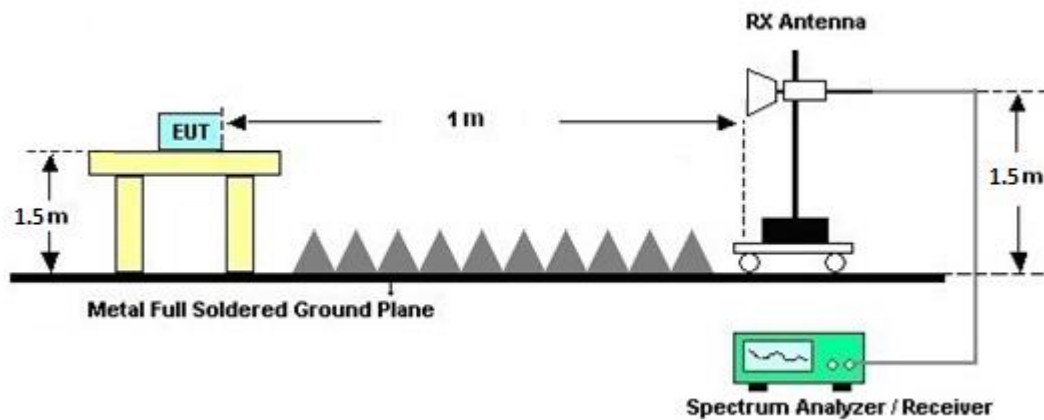
For radiated emissions from 30MHz to 1GHz



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.

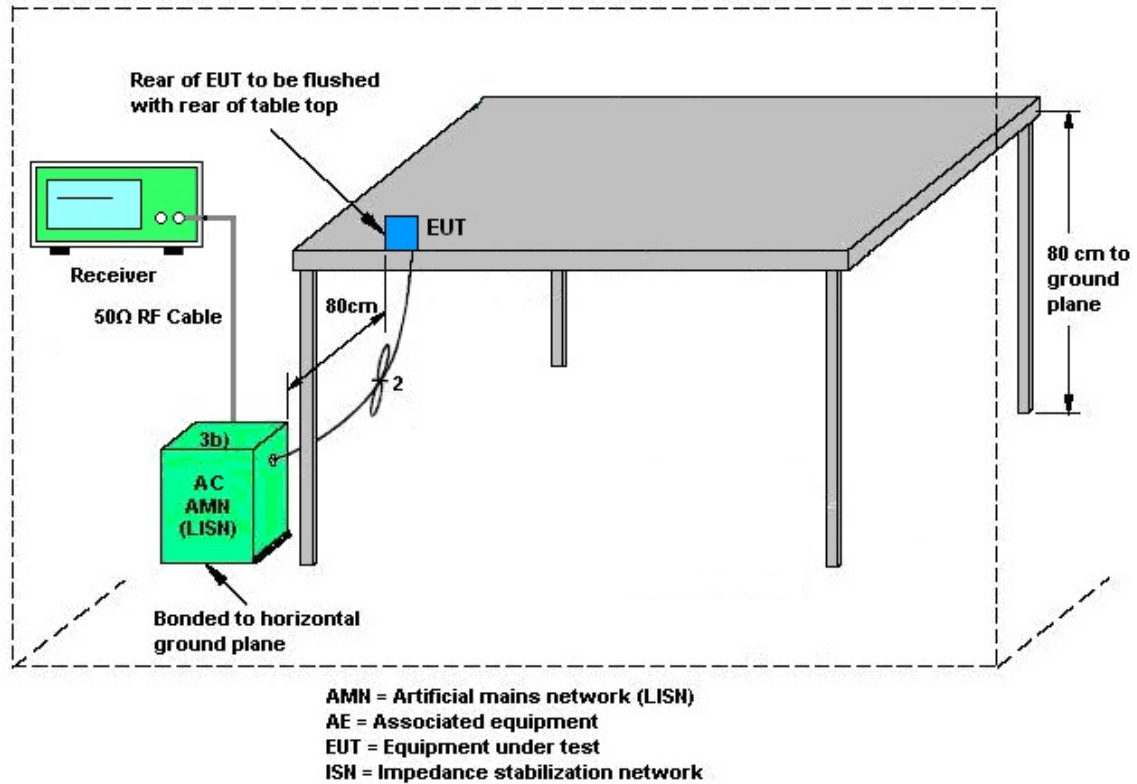
3.5.2 Measuring Instruments

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

Antenna permanently attached.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	N/A	Oct. 06, 2023	Jun. 13, 2024~ Jul. 29, 2024	Oct. 05, 2024	Radiation (03CH20-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Jun. 13, 2024~ Jul. 29, 2024	Sep. 11, 2024	Radiation (03CH20-HY)
Preamplifier	EMEC	EM18G40G	060871	18GHz~40GHz	Aug. 30, 2023	Jun. 13, 2024~ Jul. 29, 2024	Aug. 29, 2024	Radiation (03CH20-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Jun. 13, 2024~ Jul. 29, 2024	N/A	Radiation (03CH20-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jun. 13, 2024~ Jul. 29, 2024	N/A	Radiation (03CH20-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jun. 13, 2024~ Jul. 29, 2024	N/A	Radiation (03CH20-HY)
Signal Analyzer	Keysight	N9010B	MY60240520	N/A	Dec. 12, 2023	Jun. 13, 2024~ Jul. 29, 2024	Dec. 11, 2024	Radiation (03CH20-HY)
Bilog Antenna	TESEQ	CBL 6111D&00802 N1D01N-06	55606 & 08	30MHz~1GHz	Oct. 20, 2023	Jun. 13, 2024~ Jul. 29, 2024	Oct. 19, 2024	Radiation (03CH20-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	02360	1GHz-18GHz	Oct. 30, 2023	Jun. 13, 2024~ Jul. 29, 2024	Oct. 29, 2024	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1223	18GHz-40GHz	Jul. 10, 2023	Jun. 13, 2024~ Jun. 22, 2024	Jul. 09, 2024	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1223	18GHz-40GHz	Jun. 24, 2024	Jun. 23, 2024~ Jul. 29, 2024	Jun. 23, 2025	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz-1000MHz	Jan. 01, 2024	Jun. 13, 2024~ Jul. 29, 2024	Dec. 31, 2024	Radiation (03CH20-HY)
Amplifier	EMCI	EMC118A45S E	980792	N/A	Nov. 13, 2023	Jun. 13, 2024~ Jul. 29, 2024	Nov. 12, 2024	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,804 015/2,804027 /2	N/A	Jan. 17, 2024	Jun. 13, 2024~ Jul. 29, 2024	Jan. 16, 2025	Radiation (03CH20-HY)
Hygrometer	TECEPEL	DTM-303A	TP211382	N/A	Mar. 27, 2024	Jun. 13, 2024~ Jul. 29, 2024	Mar. 26, 2025	Radiation (03CH20-HY)
Software	Audix	N/A	RK-002156	N/A	N/A	Jun. 13, 2024~ Jul. 29, 2024	N/A	Radiation (03CH20-HY)
Hygrometer	TECEPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Jun. 11, 2024~ Jul. 26, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Hygrometer	TECEPEL	DTM-303A	TP201996	N/A	Nov. 01, 2024	Mar. 05, 2025	Oct. 31, 2025	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO 36 (NO:35_144)	10MHz~6GHz	Aug. 23, 2023	Jun. 11, 2024~ Jul. 26, 2024	Aug. 22, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	13I00030SNO 31 (NO:182)	9kHz~6GHz	Jan. 09, 2025	Mar. 05, 2025	Jan. 08, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Sep. 12, 2023	Jun. 11, 2024~ Jul. 26, 2024	Sep. 11, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 23, 2024	Mar. 05, 2025	Aug. 22, 2025	Conducted (TH05-HY)
Switch Control Mainframe	Burgeon	ETF-058	EC1300484 (BOX3)	N/A	May 20, 2024	Jun. 11, 2024~ Mar. 05, 2025	May 19, 2025	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_ version_24051 3	N/A	Conducted Other Test Item	N/A	Jun. 11, 2024~ Mar. 05, 2025	N/A	Conducted (TH05-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Feb. 11, 2025	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Feb. 11, 2025	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZB ECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 23, 2024	Feb. 11, 2025	Oct. 22, 2025	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 14, 2024	Feb. 11, 2025	Mar. 13, 2025	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 10, 2024	Feb. 11, 2025	Mar. 09, 2025	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 07, 2024	Feb. 11, 2025	Mar. 06, 2025	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 23, 2024	Feb. 11, 2025	Sep. 22, 2025	Conduction (CO07-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% ($U = 2Uc(y)$)	4.5 dB
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Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.6 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.4 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Eason Huang	Temperature:	21~25	°C
Test Date:	2024/6/11~2025/03/05	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 single antenna													
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	1	36	5180	16.43	-	20.45	-	-	-	22.16	-	
11a	6Mbps	1	44	5220	16.53	-	22.70	-	-	-	22.18	-	
11a	6Mbps	1	48	5240	16.73	-	23.66	-	-	-	22.23	-	
VHT20	MCS0	1	36	5180	17.63	-	21.35	-	-	-	22.46	-	
VHT20	MCS0	1	44	5220	17.83	-	25.26	-	-	-	22.51	-	
VHT20	MCS0	1	48	5240	17.88	-	25.92	-	-	-	22.52	-	
VHT40	MCS0	1	38	5190	36.26	-	41.04	-	-	-	23.01	-	
VHT40	MCS0	1	46	5230	36.46	-	42.88	-	-	-	23.01	-	
VHT80	MCS0	1	42	5210	75.28	-	81.95	-	-	-	23.01	-	
VHT160	MCS0	1	50	5250	154.65	-	166.37	-	-	-	23.01	-	

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	16.43	16.43	20.60	20.65	-	-	22.16	-	
11a	6Mbps	2	44	5220	16.63	16.43	22.46	21.12	-	-	22.16	-	
11a	6Mbps	2	48	5240	16.73	16.43	23.02	20.70	-	-	22.16	-	
VHT20	MCS0	2	36	5180	17.63	17.63	21.01	20.90	-	-	22.46	-	
VHT20	MCS0	2	44	5220	17.83	17.63	24.46	22.76	-	-	22.46	-	
VHT20	MCS0	2	48	5240	17.88	17.68	25.04	22.03	-	-	22.48	-	
VHT40	MCS0	2	38	5190	36.16	36.16	40.99	40.46	-	-	23.01	-	
VHT40	MCS0	2	46	5230	36.36	36.36	41.58	41.12	-	-	23.01	-	
VHT80	MCS0	2	42	5210	75.28	75.28	82.43	82.14	-	-	23.01	-	
VHT160	MCS0	2	50	5250	154.89	154.65	166.08	165.36	-	-	23.01	-	

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 single antenna													
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	1	36	5180	22.00	-	-	30.00	-	4.88	-	-	Pass
11a	6Mbps	1	44	5220	22.90	-		30.00	-	4.88	-		Pass
11a	6Mbps	1	48	5240	22.80	-		30.00	-	4.88	-		Pass
HT20	MCS0	1	36	5180	21.40	-		30.00	-	4.88	-		Pass
HT20	MCS0	1	44	5220	22.70	-		30.00	-	4.88	-		Pass
HT20	MCS0	1	48	5240	22.70	-		30.00	-	4.88	-		Pass
HT40	MCS0	1	38	5190	18.70	-		30.00	-	4.88	-		Pass
HT40	MCS0	1	46	5230	22.50	-		30.00	-	4.88	-		Pass
VHT20	MCS0	1	36	5180	21.50	-		30.00	-	4.88	-		Pass
VHT20	MCS0	1	44	5220	22.90	-		30.00	-	4.88	-		Pass
VHT20	MCS0	1	48	5240	22.90	-		30.00	-	4.88	-		Pass
VHT40	MCS0	1	38	5190	18.80	-		30.00	-	4.88	-		Pass
VHT40	MCS0	1	46	5230	22.60	-		30.00	-	4.88	-		Pass
VHT80	MCS0	1	42	5210	18.50	-		30.00	-	4.88	-		Pass
VHT160	MCS0	1	50	5250	18.20	-		30.00	-	4.88	-		Pass

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	21.10	20.70	23.91	30.00		2.16		-	Pass
11a	6Mbps	2	44	5220	22.60	22.60	25.61	30.00		2.16			Pass
11a	6Mbps	2	48	5240	22.60	22.60	25.61	30.00		2.16			Pass
HT20	MCS0	2	36	5180	21.20	20.80	24.01	30.00		2.16			Pass
HT20	MCS0	2	44	5220	22.80	22.60	25.71	30.00		2.16			Pass
HT20	MCS0	2	48	5240	22.80	22.70	25.76	30.00		2.16			Pass
HT40	MCS0	2	38	5190	17.70	17.40	20.56	30.00		2.16			Pass
HT40	MCS0	2	46	5230	22.40	22.40	25.41	30.00		2.16			Pass
VHT20	MCS0	2	36	5180	21.30	20.90	24.11	30.00		2.16			Pass
VHT20	MCS0	2	44	5220	22.90	22.70	25.81	30.00		2.16			Pass
VHT20	MCS0	2	48	5240	22.90	22.80	25.86	30.00		2.16			Pass
VHT40	MCS0	2	38	5190	17.80	17.50	20.66	30.00		2.16			Pass
VHT40	MCS0	2	46	5230	22.50	22.50	25.51	30.00		2.16			Pass
VHT80	MCS0	2	42	5210	16.90	16.40	19.67	30.00		2.16			Pass
VHT160	MCS0	2	50	5250	16.10	15.80	18.96	30.00		2.16			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 single antenna														
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	1	36	5180	0.32	-	10.59	-	-	17.00	-	4.88	-	Pass
11a	6Mbps	1	44	5220	0.32	-	11.60	-		17.00	-	4.88	-	Pass
11a	6Mbps	1	48	5240	0.32	-	11.50	-		17.00	-	4.88	-	Pass
VHT20	MCS0	1	36	5180	0.37	-	9.94	-		17.00	-	4.88	-	Pass
VHT20	MCS0	1	44	5220	0.37	-	11.26	-		17.00	-	4.88	-	Pass
VHT20	MCS0	1	48	5240	0.37	-	11.26	-		17.00	-	4.88	-	Pass
VHT40	MCS0	1	38	5190	0.40	-	4.28	-		17.00	-	4.88	-	Pass
VHT40	MCS0	1	46	5230	0.40	-	7.73	-		17.00	-	4.88	-	Pass
VHT80	MCS0	1	42	5210	0.37	-	0.60	-		17.00	-	4.88	-	Pass
VHT160	MCS0	1	50	5250	0.37	-	-2.22	-		17.00	-	4.88	-	Pass

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	0.33	0.34	-		12.60	17.00		4.88		Pass
11a	6Mbps	2	44	5220	0.33	0.34			14.33	17.00		4.88		Pass
11a	6Mbps	2	48	5240	0.33	0.34			14.32	17.00		4.88		Pass
VHT20	MCS0	2	36	5180	0.37	0.37			12.40	17.00		4.88		Pass
VHT20	MCS0	2	44	5220	0.37	0.37			14.31	17.00		4.88		Pass
VHT20	MCS0	2	48	5240	0.37	0.37			14.36	17.00		4.88		Pass
VHT40	MCS0	2	38	5190	0.37	0.37			5.52	17.00		4.88		Pass
VHT40	MCS0	2	46	5230	0.37	0.37			10.85	17.00		4.88		Pass
VHT80	MCS0	2	42	5210	0.40	0.40			1.84	17.00		4.88		Pass
VHT160	MCS0	2	50	5250	0.40	0.40			-1.96	17.00		4.88		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A single antenna															
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	1	52	5260	16.43	-	20.51	-	23.16	-	29.16	-	23.98	-	-
11a	6Mbps	1	60	5300	16.43	-	20.60	-	23.16	-	29.16	-	23.98	-	
11a	6Mbps	1	64	5320	16.43	-	20.59	-	23.16	-	29.16	-	23.98	-	
VHT20	MCS0	1	52	5260	17.88	-	26.02	-	23.52	-	29.52	-	23.98	-	
VHT20	MCS0	1	60	5300	17.63	-	22.23	-	23.46	-	29.46	-	23.98	-	
VHT20	MCS0	1	64	5320	17.58	-	21.23	-	23.45	-	29.45	-	23.98	-	
VHT40	MCS0	1	54	5270	36.36	-	41.68	-	23.98	-	30.00	-	23.98	-	
VHT40	MCS0	1	62	5310	36.26	-	41.28	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	75.40	-	81.95	-	23.98	-	30.00	-	23.98	-	
VHT160	MCS0	1	50	5250	154.65	-	166.37	-	23.98	-	30.00	-	23.98	-	

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	16.43	16.43	20.58	20.64	23.16		29.16		23.98		-
11a	6Mbps	2	60	5300	16.43	16.43	20.50	20.48	23.16		29.16		23.98		
11a	6Mbps	2	64	5320	16.43	16.43	20.49	20.46	23.16		29.16		23.98		
VHT20	MCS0	2	52	5260	17.63	17.58	20.98	21.34	23.45		29.45		23.98		
VHT20	MCS0	2	60	5300	17.63	17.63	21.26	21.16	23.46		29.46		23.98		
VHT20	MCS0	2	64	5320	17.58	17.63	21.42	21.25	23.45		29.45		23.98		
VHT40	MCS0	2	54	5270	36.16	36.26	40.98	40.75	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	36.16	36.16	41.09	40.96	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	75.28	75.40	82.40	81.70	23.98		30.00		23.98		
VHT160	MCS0	2	50	5250	154.89	154.65	166.08	165.36	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A single antenna													
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	1	52	5260	22.10	-	-	23.98	-	4.88	-	30	Pass
11a	6Mbps	1	60	5300	22.30	-		23.98	-	4.88	-	30	Pass
11a	6Mbps	1	64	5320	21.90	-		23.98	-	4.88	-	30	Pass
HT20	MCS0	1	52	5260	22.00	-		23.98	-	4.88	-	30	Pass
HT20	MCS0	1	60	5300	22.60	-		23.98	-	4.88	-	30	Pass
HT20	MCS0	1	64	5320	21.80	-		23.98	-	4.88	-	30	Pass
HT40	MCS0	1	54	5270	22.60	-		23.98	-	4.88	-	30	Pass
HT40	MCS0	1	62	5310	21.70	-		23.98	-	4.88	-	30	Pass
VHT20	MCS0	1	52	5260	22.10	-		23.98	-	4.88	-	30	Pass
VHT20	MCS0	1	60	5300	22.70	-		23.98	-	4.88	-	30	Pass
VHT20	MCS0	1	64	5320	21.90	-		23.98	-	4.88	-	30	Pass
VHT40	MCS0	1	54	5270	22.70	-		23.98	-	4.88	-	30	Pass
VHT40	MCS0	1	62	5310	21.80	-		23.98	-	4.88	-	30	Pass
VHT80	MCS0	1	58	5290	20.60	-		23.98	-	4.88	-	30	Pass
VHT160	MCS0	1	50	5250	18.20	-		23.98	-	4.88	-	30	Pass

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	19.20	19.10	22.16	23.98		2.16		30	Pass
11a	6Mbps	2	60	5300	18.90	18.80	21.86	23.98		2.16		30	Pass
11a	6Mbps	2	64	5320	19.40	19.30	22.36	23.98		2.16		30	Pass
HT20	MCS0	2	52	5260	19.40	19.20	22.31	23.98		2.16		30	Pass
HT20	MCS0	2	60	5300	19.70	19.20	22.47	23.98		2.16		30	Pass
HT20	MCS0	2	64	5320	19.60	19.20	22.41	23.98		2.16		30	Pass
HT40	MCS0	2	54	5270	20.90	20.50	23.71	23.98		2.16		30	Pass
HT40	MCS0	2	62	5310	21.00	20.60	23.81	23.98		2.16		30	Pass
VHT20	MCS0	2	52	5260	19.50	19.30	22.41	23.98		2.16		30	Pass
VHT20	MCS0	2	60	5300	19.80	19.30	22.57	23.98		2.16		30	Pass
VHT20	MCS0	2	64	5320	19.70	19.30	22.51	23.98		2.16		30	Pass
VHT40	MCS0	2	54	5270	21.00	20.60	23.81	23.98		2.16		30	Pass
VHT40	MCS0	2	62	5310	21.10	20.70	23.91	23.98		2.16		30	Pass
VHT80	MCS0	2	58	5290	19.70	19.20	22.47	23.98		2.16		30	Pass
VHT160	MCS0	2	50	5250	16.10	15.80	18.96	23.98		2.16		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A single antenna														
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	1	52	5260	0.32	-	10.76	-	-	11.00	-	4.88	-	Pass
11a	6Mbps	1	60	5300	0.32	-	10.94	-		11.00	-	4.88	-	Pass
11a	6Mbps	1	64	5320	0.32	-	10.59	-		11.00	-	4.88	-	Pass
VHT20	MCS0	1	52	5260	0.37	-	10.16	-		11.00	-	4.88	-	Pass
VHT20	MCS0	1	60	5300	0.37	-	10.75	-		11.00	-	4.88	-	Pass
VHT20	MCS0	1	64	5320	0.37	-	10.35	-		11.00	-	4.88	-	Pass
VHT40	MCS0	1	54	5270	0.40	-	7.69	-		11.00	-	4.88	-	Pass
VHT40	MCS0	1	62	5310	0.40	-	6.94	-		11.00	-	4.88	-	Pass
VHT80	MCS0	1	58	5290	0.37	-	2.78	-		11.00	-	4.88	-	Pass
VHT160	MCS0	1	50	5250	0.37	-	-2.22	-		11.00	-	4.88	-	Pass

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	0.33	0.34	-		10.76	11.00		4.24		Pass
11a	6Mbps	2	60	5300	0.33	0.34			10.59	11.00		4.24		Pass
11a	6Mbps	2	64	5320	0.33	0.34			10.98	11.00		4.24		Pass
VHT20	MCS0	2	52	5260	0.37	0.37			10.80	11.00		4.24		Pass
VHT20	MCS0	2	60	5300	0.37	0.37			10.95	11.00		4.24		Pass
VHT20	MCS0	2	64	5320	0.37	0.37			10.96	11.00		4.24		Pass
VHT40	MCS0	2	54	5270	0.37	0.37			9.29	11.00		4.24		Pass
VHT40	MCS0	2	62	5310	0.37	0.37			9.33	11.00		4.24		Pass
VHT80	MCS0	2	58	5290	0.40	0.40			4.80	11.00		4.24		Pass
VHT160	MCS0	2	50	5250	0.40	0.40			-1.96	11.00		4.24		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C single antenna																
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	1	100	5500	16.68	-	22.94	-	23.22	-	29.22	-	23.98	-	----	----
11a	6Mbps	1	116	5580	16.53	-	21.50	-	23.18	-	29.18	-	23.98	-	----	----
11a	6Mbps	1	140	5700	16.53	-	21.19	-	23.18	-	29.18	-	23.98	-	----	----
VHT20	MCS0	1	100	5500	17.83	-	25.26	-	23.51	-	29.51	-	23.98	-	----	----
VHT20	MCS0	1	116	5580	17.98	-	26.12	-	23.55	-	29.55	-	23.98	-	----	----
VHT20	MCS0	1	140	5700	17.58	-	21.10	-	23.45	-	29.45	-	23.98	-	----	----
VHT40	MCS0	1	102	5510	36.46	-	41.62	-	23.98	-	30.00	-	23.98	-	----	----
VHT40	MCS0	1	110	5550	36.86	-	67.02	-	23.98	-	30.00	-	23.98	-	----	----
VHT40	MCS0	1	134	5670	36.26	-	41.31	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	106	5530	75.40	-	82.46	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	122	5610	75.88	-	155.81	-	23.98	-	30.00	-	23.98	-	----	----
VHT160	MCS0	1	114	5570	154.89	-	166.80	-	23.98	-	30.00	-	23.98	-	----	----

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	16.43	16.43	20.46	20.44	23.16		29.16		23.98		----	----
11a	6Mbps	2	116	5580	16.43	16.43	20.35	20.64	23.16		29.16		23.98		----	----
11a	6Mbps	2	140	5700	16.43	16.43	20.34	20.50	23.16		29.16		23.98		----	----
VHT20	MCS0	2	100	5500	17.58	17.63	21.70	21.14	23.45		29.45		23.98		----	----
VHT20	MCS0	2	116	5580	17.58	17.63	21.24	21.06	23.45		29.45		23.98		----	----
VHT20	MCS0	2	140	5700	17.58	17.58	21.19	21.23	23.45		29.45		23.98		----	----
VHT40	MCS0	2	102	5510	36.26	36.26	41.23	40.77	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	36.26	36.36	41.60	40.98	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	36.26	36.26	40.98	40.75	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	75.40	75.40	82.56	82.05	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	75.40	75.40	83.01	82.18	23.98		30.00		23.98		----	----
VHT160	MCS0	2	114	5570	154.65	154.65	166.46	165.74	23.98		30.00		23.98		----	----

U-NII-2C straddle channel single antenna																
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	1	144	5720	13.44	-	17.45	-	23.25	-	29.25	-	23.98	-	3.095	-
VHT20	MCS0	1	144	5720	13.99	-	19.32	-	23.54	-	29.54	-	23.98	-	3.48	-
VHT40	MCS0	1	142	5710	33.48	-	47.64	-	23.98	-	30.00	-	23.98	-	3.126	-
VHT80	MCS0	1	138	5690	73.12	-	113.43	-	23.98	-	30.00	-	23.98	-	2.536	-
6dB Bandwidth Limit $\geq$ 500kHz															Pass	

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	13.29	13.24	15.30	15.24	23.16		29.16		23.98		3.085	3.105
VHT20	MCS0	2	144	5720	13.84	13.84	15.86	15.56	23.45		29.45		23.98		3.355	3.09
VHT40	MCS0	2	142	5710	33.18	33.08	35.59	35.43	23.98		30.00		23.98		3.117	3.117
VHT80	MCS0	2	138	5690	72.76	72.76	76.25	76.31	23.98		30.00		23.98		2.488	2.44
6dB Bandwidth Limit ≥ 500kHz															Pass	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C single antenna													
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	1	100	5500	22.50	-	-	23.98	-	4.05	-	30	Pass
11a	6Mbps	1	116	5580	22.40	-		23.98	-	4.05	-	30	Pass
11a	6Mbps	1	140	5700	21.20	-		23.98	-	4.05	-	30	Pass
HT20	MCS0	1	100	5500	22.20	-		23.98	-	4.05	-	30	Pass
HT20	MCS0	1	116	5580	22.40	-		23.98	-	4.05	-	30	Pass
HT20	MCS0	1	140	5700	19.90	-		23.98	-	4.05	-	30	Pass
HT40	MCS0	1	102	5510	21.40	-		23.98	-	4.05	-	30	Pass
HT40	MCS0	1	110	5550	22.70	-		23.98	-	4.05	-	30	Pass
HT40	MCS0	1	134	5670	21.00	-		23.98	-	4.05	-	30	Pass
VHT20	MCS0	1	100	5500	22.30	-		23.98	-	4.05	-	30	Pass
VHT20	MCS0	1	116	5580	22.50	-		23.98	-	4.05	-	30	Pass
VHT20	MCS0	1	140	5700	20.00	-		23.98	-	4.05	-	30	Pass
VHT40	MCS0	1	102	5510	21.50	-		23.98	-	4.05	-	30	Pass
VHT40	MCS0	1	110	5550	22.80	-		23.98	-	4.05	-	30	Pass
VHT40	MCS0	1	134	5670	21.10	-		23.98	-	4.05	-	30	Pass
VHT80	MCS0	1	106	5530	20.30	-		23.98	-	4.05	-	30	Pass
VHT80	MCS0	1	122	5610	22.60	-		23.98	-	4.05	-	30	Pass
VHT160	MCS0	1	114	5570	19.80	-		23.98	-	4.05	-	30	Pass

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	19.20	19.00	22.11	23.98		2.62		30	Pass
11a	6Mbps	2	116	5580	19.50	19.50	22.51	23.98		2.62		30	Pass
11a	6Mbps	2	140	5700	19.30	19.40	22.36	23.98		2.62		30	Pass
HT20	MCS0	2	100	5500	19.40	19.00	22.21	23.98		2.62		30	Pass
HT20	MCS0	2	116	5580	19.70	19.40	22.56	23.98		2.62		30	Pass
HT20	MCS0	2	140	5700	19.60	19.40	22.51	23.98		2.62		30	Pass
HT40	MCS0	2	102	5510	20.70	20.30	23.51	23.98		2.62		30	Pass
HT40	MCS0	2	110	5550	20.90	20.50	23.71	23.98		2.62		30	Pass
HT40	MCS0	2	134	5670	20.60	20.50	23.56	23.98		2.62		30	Pass
VHT20	MCS0	2	100	5500	19.50	19.10	22.31	23.98		2.62		30	Pass
VHT20	MCS0	2	116	5580	19.80	19.50	22.66	23.98		2.62		30	Pass
VHT20	MCS0	2	140	5700	19.70	19.50	22.61	23.98		2.62		30	Pass
VHT40	MCS0	2	102	5510	20.80	20.40	23.61	23.98		2.62		30	Pass
VHT40	MCS0	2	110	5550	21.00	20.70	23.86	23.98		2.62		30	Pass
VHT40	MCS0	2	134	5670	20.70	20.60	23.66	23.98		2.62		30	Pass
VHT80	MCS0	2	106	5530	19.90	19.40	22.67	23.98		2.62		30	Pass
VHT80	MCS0	2	122	5610	21.10	20.80	23.96	23.98		2.62		30	Pass
VHT160	MCS0	2	114	5570	17.30	16.90	20.11	23.98		2.62		30	Pass

FCC U-NII-2C straddle channel single antenna													
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	1	144	5720	22.30	-	-	23.98	-	4.05	-	30	Pass
HT20	MCS0	1	144	5720	22.40	-		23.98	-	4.05	-	30	Pass
HT40	MCS0	1	142	5710	22.70	-		23.98	-	4.05	-	30	Pass
VHT20	MCS0	1	144	5720	22.50	-		23.98	-	4.05	-	30	Pass
VHT40	MCS0	1	142	5710	22.80	-		23.98	-	4.05	-	30	Pass
VHT80	MCS0	1	138	5690	22.90	-		23.98	-	4.05	-	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	19.00	19.10	22.06	23.98		2.62		30	Pass
HT20	MCS0	2	144	5720	19.20	19.00	22.11	23.98		2.62		30	Pass
HT40	MCS0	2	142	5710	20.60	20.30	23.46	23.98		2.62		30	Pass
VHT20	MCS0	2	144	5720	19.30	19.10	22.21	23.98		2.62		30	Pass
VHT40	MCS0	2	142	5710	20.70	20.40	23.56	23.98		2.62		30	Pass
VHT80	MCS0	2	138	5690	20.70	20.70	23.71	23.98		2.62		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C single antenna															
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	1	100	5500	0.32	-	10.87	-	-	11.00	-	4.05	-	-	Pass
11a	6Mbps	1	116	5580	0.32	-	10.89	-		11.00	-	4.05	-		Pass
11a	6Mbps	1	140	5700	0.32	-	9.53	-		11.00	-	4.05	-		Pass
VHT20	MCS0	1	100	5500	0.37	-	10.59	-		11.00	-	4.05	-		Pass
VHT20	MCS0	1	116	5580	0.37	-	10.70	-		11.00	-	4.05	-		Pass
VHT20	MCS0	1	140	5700	0.37	-	8.29	-		11.00	-	4.05	-		Pass
VHT40	MCS0	1	102	5510	0.40	-	6.41	-		11.00	-	4.05	-		Pass
VHT40	MCS0	1	110	5550	0.40	-	7.93	-		11.00	-	4.05	-		Pass
VHT40	MCS0	1	134	5670	0.40	-	6.27	-		11.00	-	4.05	-		Pass
VHT80	MCS0	1	106	5530	0.37	-	2.28	-		11.00	-	4.05	-		Pass
VHT80	MCS0	1	122	5610	0.37	-	4.62	-		11.00	-	4.05	-		Pass
VHT160	MCS0	1	114	5570	0.37	-	-1.01	-		11.00	-	4.05	-		Pass

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	0.33	0.34	-		10.63	11.00	5.39	-		Pass	
11a	6Mbps	2	116	5580	0.33	0.34			10.92	11.00	5.39			Pass	
11a	6Mbps	2	140	5700	0.33	0.34			10.84	11.00	5.39			Pass	
VHT20	MCS0	2	100	5500	0.37	0.37			10.72	11.00	5.39			Pass	
VHT20	MCS0	2	116	5580	0.37	0.37			10.97	11.00	5.39			Pass	
VHT20	MCS0	2	140	5700	0.37	0.37			10.96	11.00	5.39			Pass	
VHT40	MCS0	2	102	5510	0.37	0.37			9.03	11.00	5.39			Pass	
VHT40	MCS0	2	110	5550	0.37	0.37			9.23	11.00	5.39			Pass	
VHT40	MCS0	2	134	5670	0.37	0.37			9.16	11.00	5.39			Pass	
VHT80	MCS0	2	106	5530	0.40	0.40			5.00	11.00	5.39			Pass	
VHT80	MCS0	2	122	5610	0.40	0.40			6.41	11.00	5.39			Pass	
VHT160	MCS0	2	114	5570	0.40	0.40			-0.61	11.00	5.39			Pass	

U-NII-2C straddle channel single antenna															
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	1	144	5720	0.32	-	10.86	-	-	11.00	-	4.05	-	-	Pass
VHT20	MCS0	1	144	5720	0.37	-	10.67	-		11.00	-	4.05	-		Pass
VHT40	MCS0	1	142	5710	0.40	-	8.04	-		11.00	-	4.05	-		Pass
VHT80	MCS0	1	138	5690	0.37	-	5.02	-		11.00	-	4.05	-		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	0.33	0.34	-		10.48	11.00		5.39	-	Pass
VHT20	MCS0	2	144	5720	0.37	0.37			10.62	11.00		5.39		Pass
VHT40	MCS0	2	142	5710	0.37	0.37			9.02	11.00		5.39		Pass
VHT80	MCS0	2	138	5690	0.40	0.40			6.16	11.00		5.39		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 single antenna															
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	1	36	5180	Full	18.93	-	21.62	-	-	-	22.77	-	-	-
HE20	MCS0	1	44	5220	Full	19.03	-	23.76	-	-	-	22.79	-		
HE20	MCS0	1	48	5240	Full	19.03	-	22.53	-	-	-	22.79	-		
HE40	MCS0	1	38	5190	Full	37.86	-	41.50	-	-	-	23.01	-		
HE40	MCS0	1	46	5230	Full	38.26	-	46.40	-	-	-	23.01	-		
HE80	MCS0	1	42	5210	Full	77.08	-	82.85	-	-	-	23.01	-		
HE160	MCS0	1	50	5250	Full	156.08	-	165.50	-	-	-	23.01	-		

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	Full	18.93	18.93	21.64	21.59	-		22.77		-	-
HE20	MCS0	2	44	5220	Full	19.03	19.03	24.11	25.90	-		22.79			
HE20	MCS0	2	48	5240	Full	19.08	19.03	25.75	27.34	-		22.79			
HE40	MCS0	2	38	5190	Full	37.86	37.96	41.52	41.60	-		23.01			
HE40	MCS0	2	46	5230	Full	37.96	38.06	41.50	41.30	-		23.01			
HE80	MCS0	2	42	5210	Full	77.08	77.20	82.18	82.50	-		23.01			
HE160	MCS0	2	50	5250	Full	156.08	156.08	165.50	165.65	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 single antenna														
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	1	36	5180	Full	21.20	-	-	30.00	-	4.88	-	-	Pass
HE20	MCS0	1	44	5220	Full	22.60	-		30.00	-	4.88	-		Pass
HE20	MCS0	1	48	5240	Full	22.60	-		30.00	-	4.88	-		Pass
HE40	MCS0	1	38	5190	Full	18.80	-		30.00	-	4.88	-		Pass
HE40	MCS0	1	46	5230	Full	22.90	-		30.00	-	4.88	-		Pass
HE80	MCS0	1	42	5210	Full	18.10	-		30.00	-	4.88	-		Pass
HE160	MCS0	1	50	5250	Full	18.50	-		30.00	-	4.88	-		Pass

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	20.80	20.30	23.57	30.00		2.16		-	Pass
HE20	MCS0	2	44	5220	Full	22.90	22.90	25.91	30.00		2.16			Pass
HE20	MCS0	2	48	5240	Full	22.90	22.90	25.91	30.00		2.16			Pass
HE40	MCS0	2	38	5190	Full	16.70	16.70	19.71	30.00		2.16			Pass
HE40	MCS0	2	46	5230	Full	21.80	22.20	25.01	30.00		2.16			Pass
HE80	MCS0	2	42	5210	Full	16.40	16.50	19.46	30.00		2.16			Pass
HE160	MCS0	2	50	5250	Full	16.30	16.40	19.36	30.00		2.16			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 single antenna															
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	1	36	5180	Full	0.37	-	9.09	-	-	17.00	-	4.88	-	Pass
HE20	MCS0	1	44	5220	Full	0.37	-	10.71	-		17.00	-	4.88	-	
HE20	MCS0	1	48	5240	Full	0.37	-	10.61	-		17.00	-	4.88	-	
HE40	MCS0	1	38	5190	Full	0.37	-	3.88	-		17.00	-	4.88	-	
HE40	MCS0	1	46	5230	Full	0.37	-	8.30	-		17.00	-	4.88	-	
HE80	MCS0	1	42	5210	Full	0.35	-	0.40	-		17.00	-	4.88	-	
HE160	MCS0	1	50	5250	Full	0.40	-	-2.37	-		17.00	-	4.88	-	Pass

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	0.34	0.35	-		11.69	17.00		4.88	-	Pass
HE20	MCS0	2	44	5220	Full	0.34	0.35			13.59	17.00		4.88		Pass
HE20	MCS0	2	48	5240	Full	0.34	0.35			13.56	17.00		4.88		Pass
HE40	MCS0	2	38	5190	Full	0.35	0.34			4.67	17.00		4.88		Pass
HE40	MCS0	2	46	5230	Full	0.35	0.34			10.14	17.00		4.88		Pass
HE80	MCS0	2	42	5210	Full	0.40	0.40			1.87	17.00		4.88		Pass
HE160	MCS0	2	50	5250	Full	0.40	0.40			-1.73	17.00		4.88		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A single antenna																
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	1	52	5260	Full	19.13	-	24.27	-	23.82	-	29.82	-	23.98	-	
HE20	MCS0	1	60	5300	Full	19.03	-	24.70	-	23.79	-	29.79	-	23.98	-	
HE20	MCS0	1	64	5320	Full	19.03	-	22.86	-	23.79	-	29.79	-	23.98	-	
HE40	MCS0	1	54	5270	Full	37.96	-	41.79	-	23.98	-	30.00	-	23.98	-	
HE40	MCS0	1	62	5310	Full	37.96	-	41.31	-	23.98	-	30.00	-	23.98	-	
HE80	MCS0	1	58	5290	Full	77.08	-	82.72	-	23.98	-	30.00	-	23.98	-	
HE160	MCS0	1	50	5250	Full	156.08	-	165.50	-	23.98	-	30.00	-	23.98	-	

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	Full	18.93	18.93	21.97	21.35	23.77		29.77		23.98		
HE20	MCS0	2	60	5300	Full	18.93	18.93	21.68	21.48	23.77		29.77		23.98		
HE20	MCS0	2	64	5320	Full	18.93	18.88	21.62	21.21	23.76		29.76		23.98		
HE40	MCS0	2	54	5270	Full	37.96	37.86	41.70	42.14	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.86	37.86	41.42	41.65	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	77.08	77.20	83.04	82.27	23.98		30.00		23.98		
HE160	MCS0	2	50	5250	Full	156.08	156.08	165.50	165.65	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A single antenna														
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	1	52	5260	Full	22.90	-	-	23.98	-	4.88	-	30	Pass
HE20	MCS0	1	60	5300	Full	22.80	-		23.98	-	4.88	-	30	Pass
HE20	MCS0	1	64	5320	Full	22.30	-		23.98	-	4.88	-	30	Pass
HE40	MCS0	1	54	5270	Full	22.50	-		23.98	-	4.88	-	30	Pass
HE40	MCS0	1	62	5310	Full	20.90	-		23.98	-	4.88	-	30	Pass
HE80	MCS0	1	58	5290	Full	20.40	-		23.98	-	4.88	-	30	Pass
HE160	MCS0	1	50	5250	Full	18.50	-		23.98	-	4.88	-	30	Pass

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	19.60	19.60	22.61	23.98		2.16		30	Pass
HE20	MCS0	2	60	5300	Full	19.90	19.60	22.76	23.98		2.16		30	Pass
HE20	MCS0	2	64	5320	Full	19.80	19.50	22.66	23.98		2.16		30	Pass
HE40	MCS0	2	54	5270	Full	20.70	20.40	23.56	23.98		2.16		30	Pass
HE40	MCS0	2	62	5310	Full	20.00	20.00	23.01	23.98		2.16		30	Pass
HE80	MCS0	2	58	5290	Full	19.10	19.30	22.21	23.98		2.16		30	Pass
HE160	MCS0	2	50	5250	Full	16.30	16.40	19.36	23.98		2.16		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A single antenna															
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	1	52	5260	Full	0.37	-	10.95	-	-	11.00	-	4.88	-	Pass
HE20	MCS0	1	60	5300	Full	0.37	-	10.78	-		11.00	-	4.88	-	
HE20	MCS0	1	64	5320	Full	0.37	-	10.30	-		11.00	-	4.88	-	
HE40	MCS0	1	54	5270	Full	0.37	-	7.44	-		11.00	-	4.88	-	
HE40	MCS0	1	62	5310	Full	0.37	-	5.96	-		11.00	-	4.88	-	
HE80	MCS0	1	58	5290	Full	0.35	-	2.72	-		11.00	-	4.88	-	
HE160	MCS0	1	50	5250	Full	0.40	-	-2.37	-		11.00	-	4.88	-	Pass

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	0.34	0.35	-		10.35	11.00	4.24		-	Pass
HE20	MCS0	2	60	5300	Full	0.34	0.35			10.52	11.00	4.24			Pass
HE20	MCS0	2	64	5320	Full	0.34	0.35			10.58	11.00	4.24			Pass
HE40	MCS0	2	54	5270	Full	0.35	0.34			8.55	11.00	4.24			Pass
HE40	MCS0	2	62	5310	Full	0.35	0.34			8.14	11.00	4.24			Pass
HE80	MCS0	2	58	5290	Full	0.40	0.40			4.48	11.00	4.24			Pass
HE160	MCS0	2	50	5250	Full	0.40	0.40			-1.73	11.00	4.24			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C single antenna																	
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	1	100	5500	Full	19.08	-	27.83	-	23.81	-	29.81	-	23.98	-	----	----
HE20	MCS0	1	116	5580	Full	19.18	-	29.38	-	23.83	-	29.83	-	23.98	-	----	----
HE20	MCS0	1	140	5700	Full	18.93	-	22.01	-	23.77	-	29.77	-	23.98	-	----	----
HE40	MCS0	1	102	5510	Full	38.06	-	42.02	-	23.98	-	30.00	-	23.98	-	----	----
HE40	MCS0	1	110	5550	Full	38.26	-	50.70	-	23.98	-	30.00	-	23.98	-	----	----
HE40	MCS0	1	134	5670	Full	37.96	-	41.78	-	23.98	-	30.00	-	23.98	-	----	----
HE80	MCS0	1	106	5530	Full	77.20	-	82.59	-	23.98	-	30.00	-	23.98	-	----	----
HE80	MCS0	1	122	5610	Full	77.44	-	85.86	-	23.98	-	30.00	-	23.98	-	----	----
HE160	MCS0	1	114	5570	Full	155.84	-	165.94	-	23.98	-	30.00	-	23.98	-	----	----

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	Full	18.98	18.93	21.42	21.46	23.77		29.77		23.98		----	----
HE20	MCS0	2	116	5580	Full	18.93	18.88	21.77	21.34	23.76		29.76		23.98		----	----
HE20	MCS0	2	140	5700	Full	18.88	18.88	21.62	21.44	23.76		29.76		23.98		----	----
HE40	MCS0	2	102	5510	Full	38.06	37.86	41.47	41.33	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	38.06	37.96	41.84	41.92	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	37.86	37.86	41.52	41.38	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	77.20	77.20	82.21	82.53	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	77.20	77.32	82.82	82.82	23.98		30.00		23.98		----	----
HE160	MCS0	2	114	5570	Full	156.08	156.32	166.56	166.27	23.98		30.00		23.98		----	----

U-NII-2C straddle channel single antenna																	
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	1	144	5720	Full	14.69	-	22.02	-	23.86	-	29.86	-	23.98	-	4.31	-
HE40	MCS0	1	142	5710	Full	34.18	-	46.26	-	23.98	-	30.00	-	23.98	-	3.837	-
HE80	MCS0	1	138	5690	Full	73.84	-	93.53	-	23.98	-	30.00	-	23.98	-	3.736	-
6dB Bandwidth Limit ≥ 500kHz																Pass	

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	Full	14.54	14.49	16.00	15.92	23.76		29.76		23.98		4.17	3.9
HE40	MCS0	2	142	5710	Full	34.08	33.98	35.83	35.69	23.98		30.00		23.98		3.837	3.36
HE80	MCS0	2	138	5690	Full	73.72	73.60	76.34	76.34	23.98		30.00		23.98		2.76	3.528
6dB Bandwidth Limit ≥ 500kHz																Pass	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C single antenna														
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	1	100	5500	Full	22.40	-	-	23.98	-	4.05	-	30	Pass
HE20	MCS0	1	116	5580	Full	22.50	-		23.98	-	4.05	-	30	Pass
HE20	MCS0	1	140	5700	Full	21.40	-		23.98	-	4.05	-	30	Pass
HE40	MCS0	1	102	5510	Full	21.80	-		23.98	-	4.05	-	30	Pass
HE40	MCS0	1	110	5550	Full	22.50	-		23.98	-	4.05	-	30	Pass
HE40	MCS0	1	134	5670	Full	20.30	-		23.98	-	4.05	-	30	Pass
HE80	MCS0	1	106	5530	Full	19.70	-		23.98	-	4.05	-	30	Pass
HE80	MCS0	1	122	5610	Full	22.20	-		23.98	-	4.05	-	30	Pass
HE160	MCS0	1	114	5570	Full	19.30	-		23.98	-	4.05	-	30	Pass

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	20.00	19.90	22.96	23.98		2.62		30	Pass
HE20	MCS0	2	116	5580	Full	19.80	19.80	22.81	23.98		2.62		30	Pass
HE20	MCS0	2	140	5700	Full	19.60	19.90	22.76	23.98		2.62		30	Pass
HE40	MCS0	2	102	5510	Full	21.00	20.90	23.96	23.98		2.62		30	Pass
HE40	MCS0	2	110	5550	Full	20.70	20.60	23.66	23.98		2.62		30	Pass
HE40	MCS0	2	134	5670	Full	19.60	19.80	22.71	23.98		2.62		30	Pass
HE80	MCS0	2	106	5530	Full	19.10	18.80	21.96	23.98		2.62		30	Pass
HE80	MCS0	2	122	5610	Full	20.60	20.80	23.71	23.98		2.62		30	Pass
HE160	MCS0	2	114	5570	Full	17.30	17.00	20.16	23.98		2.62		30	Pass

FCC U-NII-2C straddle channel single antenna														
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	1	144	5720	Full	22.40	-	-	23.98	-	4.05	-	30	Pass
HE40	MCS0	1	142	5710	Full	22.60	-		23.98	-	4.05	-	30	Pass
HE80	MCS0	1	138	5690	Full	22.90	-		23.98	-	4.05	-	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	19.80	20.00	22.91	23.98		2.62		30	Pass
HE40	MCS0	2	142	5710	Full	20.70	20.90	23.81	23.98		2.62		30	Pass
HE80	MCS0	2	138	5690	Full	20.40	20.70	23.56	23.98		2.62		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C single antenna															
Mod.	Data Rate	N _{rx}	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	1	100	5500	Full	0.37	-	10.29	-	-	11.00	-	4.05	-	Pass
HE20	MCS0	1	116	5580	Full	0.37	-	10.67	-		11.00	-	4.05	-	Pass
HE20	MCS0	1	140	5700	Full	0.37	-	8.69	-		11.00	-	4.05	-	Pass
HE40	MCS0	1	102	5510	Full	0.37	-	6.83	-		11.00	-	4.05	-	Pass
HE40	MCS0	1	110	5550	Full	0.37	-	7.63	-		11.00	-	4.05	-	Pass
HE40	MCS0	1	134	5670	Full	0.37	-	5.16	-		11.00	-	4.05	-	Pass
HE80	MCS0	1	106	5530	Full	0.35	-	2.07	-		11.00	-	4.05	-	Pass
HE80	MCS0	1	122	5610	Full	0.35	-	4.46	-		11.00	-	4.05	-	Pass
HE160	MCS0	1	114	5570	Full	0.40	-	-1.17	-		11.00	-	4.05	-	Pass

U-NII-2C MIMO															
Mod.	Data Rate	N _{rx}	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	0.34	0.35	-		10.92	11.00		5.39		Pass
HE20	MCS0	2	116	5580	Full	0.34	0.35			10.68	11.00		5.39		Pass
HE20	MCS0	2	140	5700	Full	0.34	0.35			10.71	11.00		5.39		Pass
HE40	MCS0	2	102	5510	Full	0.35	0.34			8.89	11.00		5.39		Pass
HE40	MCS0	2	110	5550	Full	0.35	0.34			8.45	11.00		5.39		Pass
HE40	MCS0	2	134	5670	Full	0.35	0.34			7.81	11.00		5.39		Pass
HE80	MCS0	2	106	5530	Full	0.40	0.40			4.08	11.00		5.39		Pass
HE80	MCS0	2	122	5610	Full	0.40	0.40			5.87	11.00		5.39		Pass
HE160	MCS0	2	114	5570	Full	0.40	0.40			-0.94	11.00		5.39		Pass

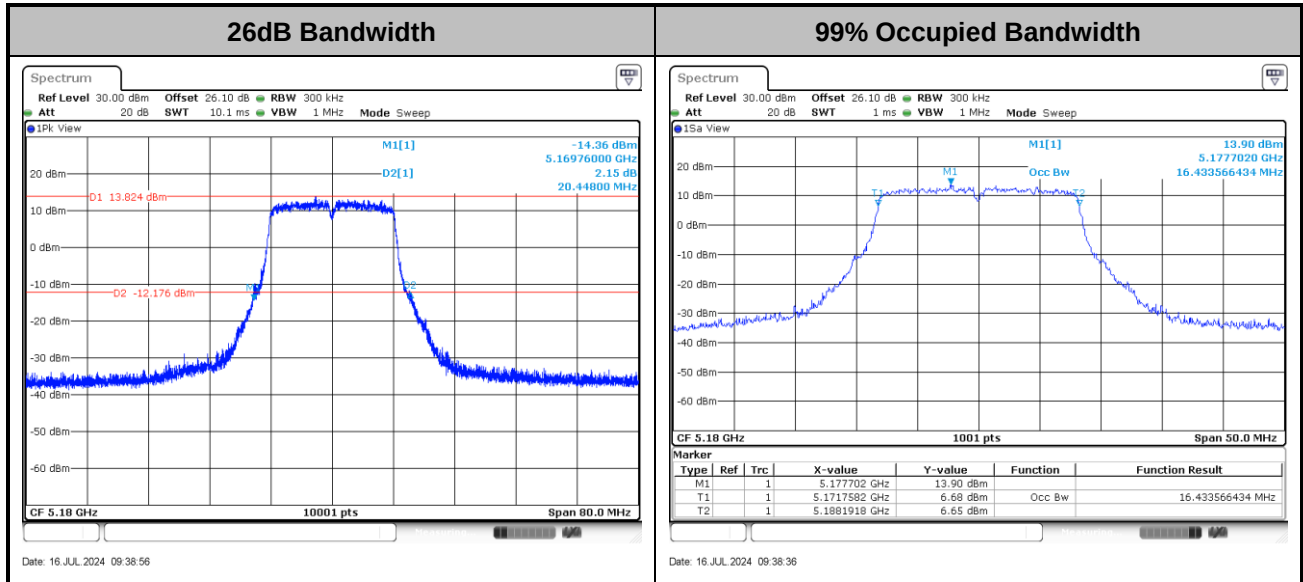
U-NII-2C straddle channel single antenna															
Mod.	Data Rate	N _{rx}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	1	144	5720	Full	0.37	-	10.24	-	-	11.00	-	4.05	-	Pass
HE40	MCS0	1	142	5710	Full	0.37	-	7.74	-		11.00	-	4.05	-	Pass
HE80	MCS0	1	138	5690	Full	0.35	-	5.20	-		11.00	-	4.05	-	Pass

U-NII-2C straddle channel MIMO															
Mod.	Data Rate	N _{rx}	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	0.34	0.35	-		10.81	11.00		5.39		Pass
HE40	MCS0	2	142	5710	Full	0.35	0.34			8.73	11.00		5.39		Pass
HE80	MCS0	2	138	5690	Full	0.40	0.40			5.70	11.00		5.39		Pass

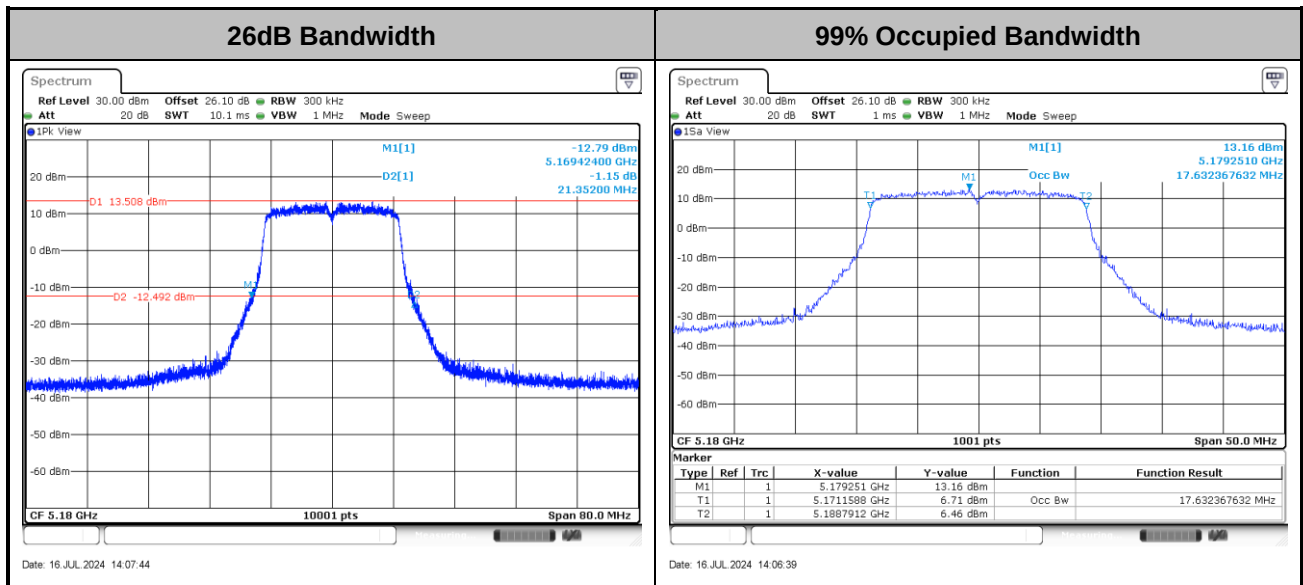
**Test Result of 26dB & 99% Occupied Bandwidth**

<Ant. 0>

<802.11a>

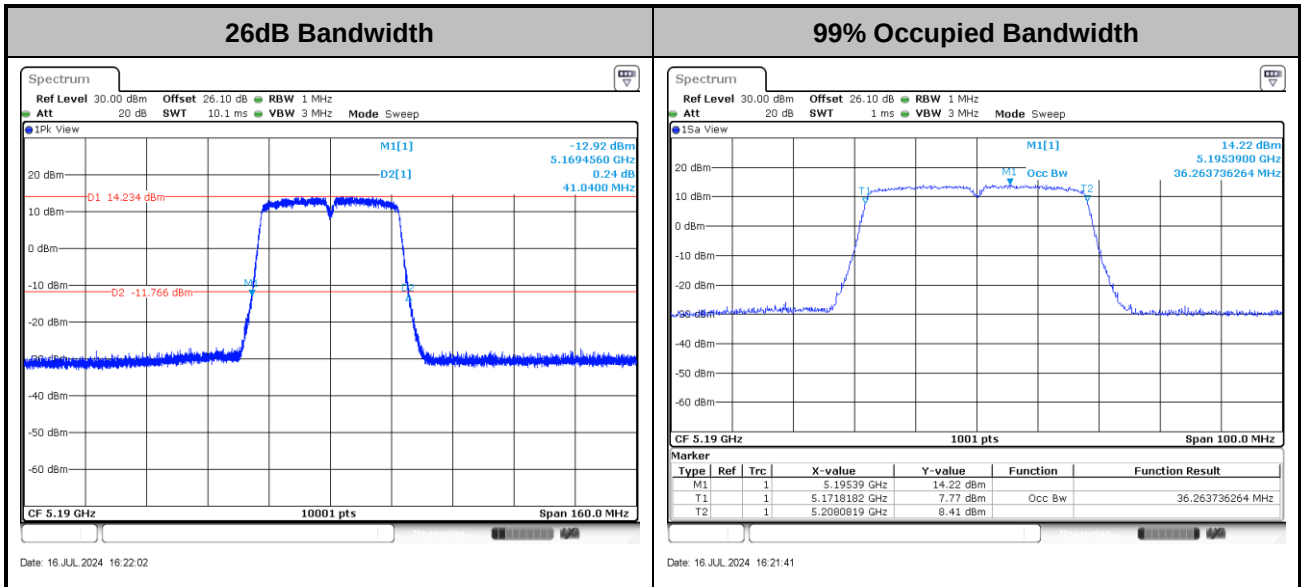


<802.11ac VHT20>



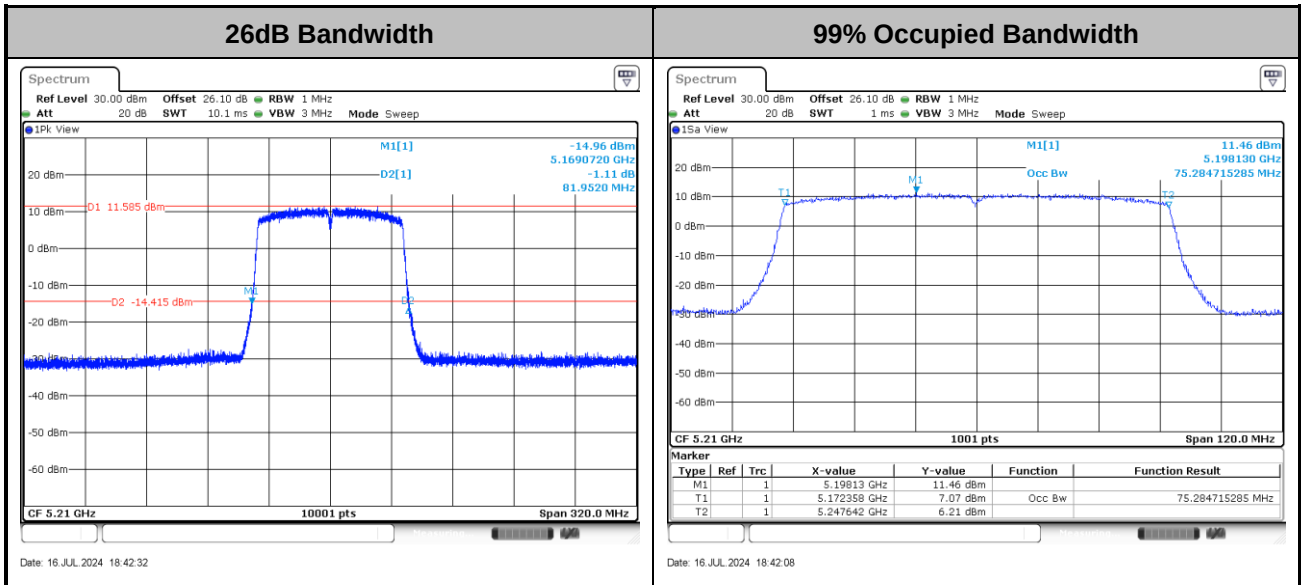


<802.11ac VHT40>



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

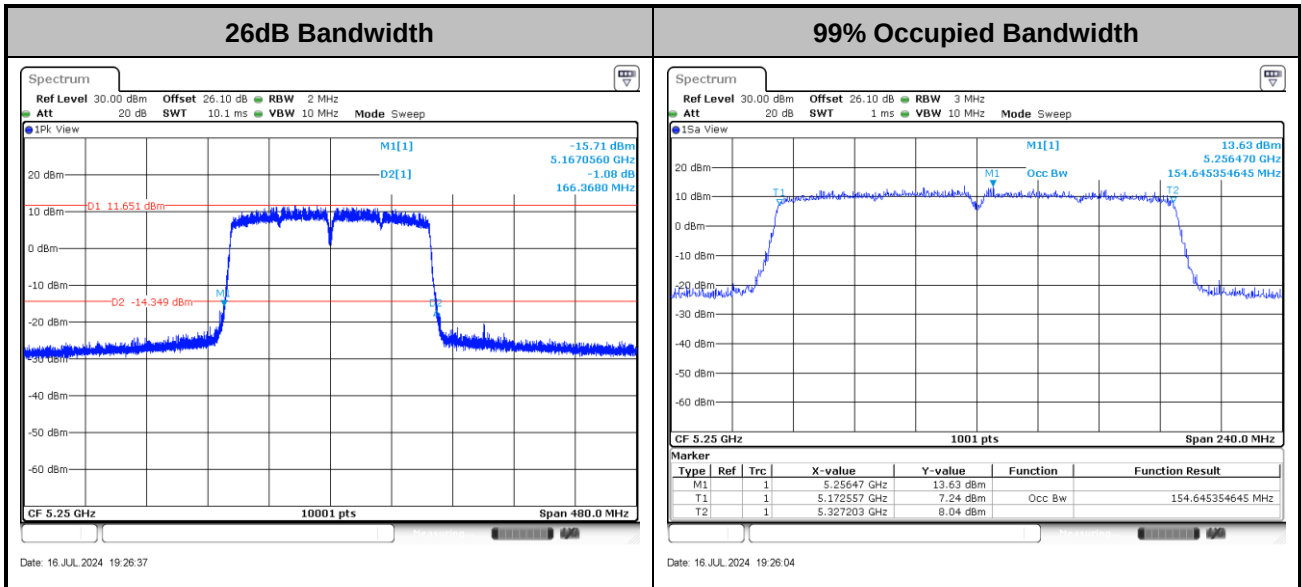
<802.11ac VHT80>



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

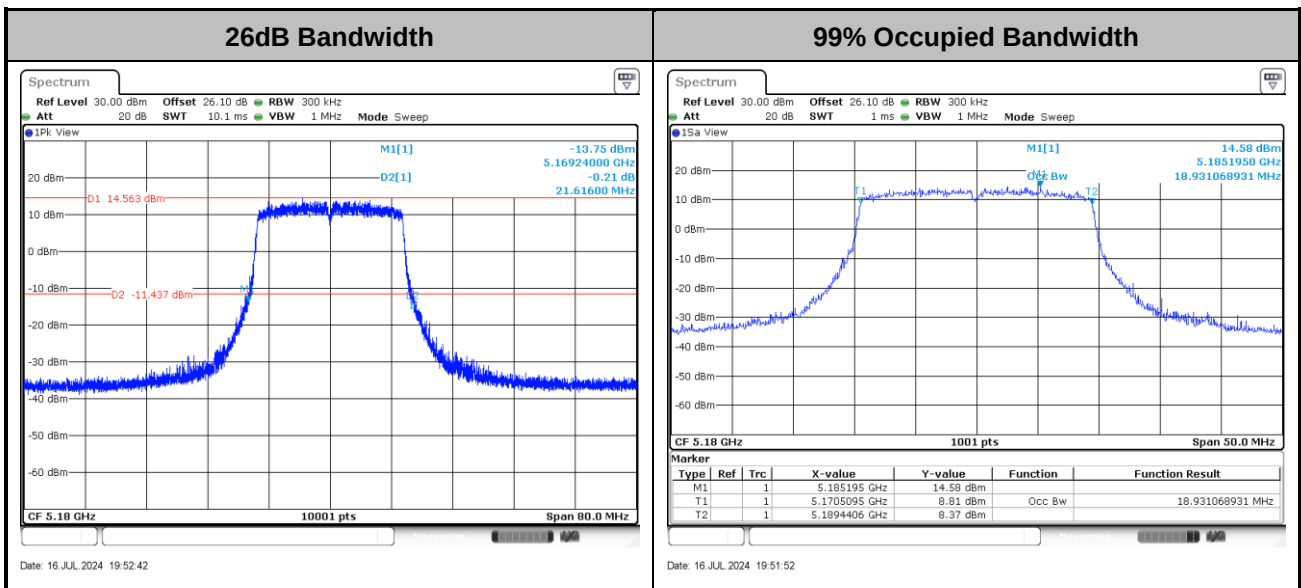


<802.11ac VHT160>



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

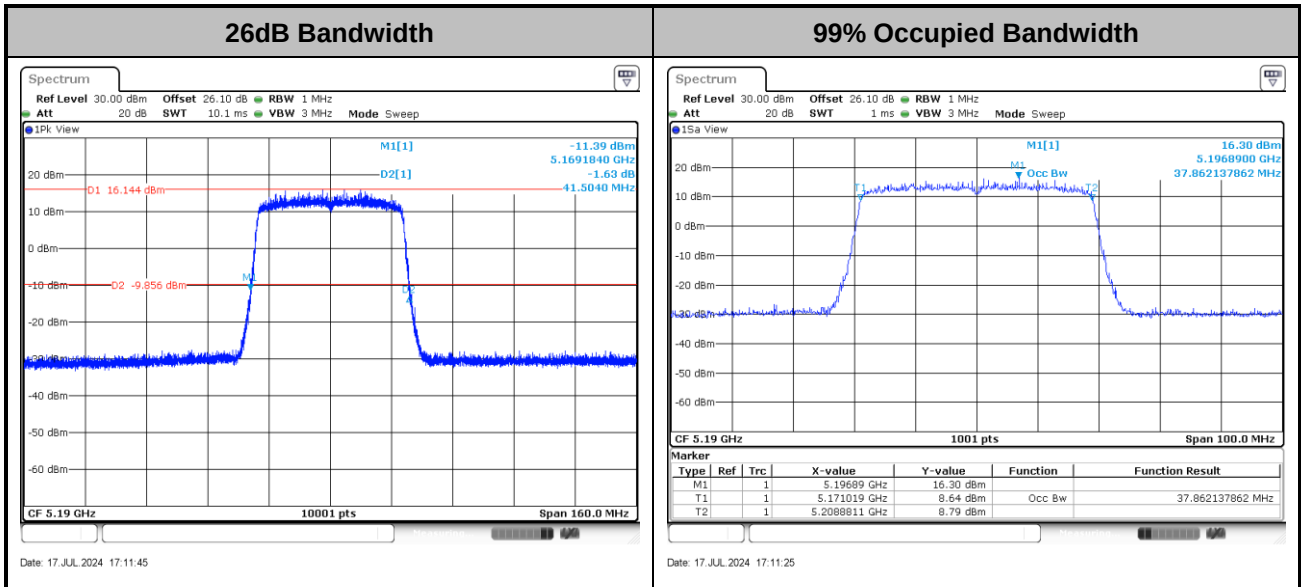
<802.11ax HE20>



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

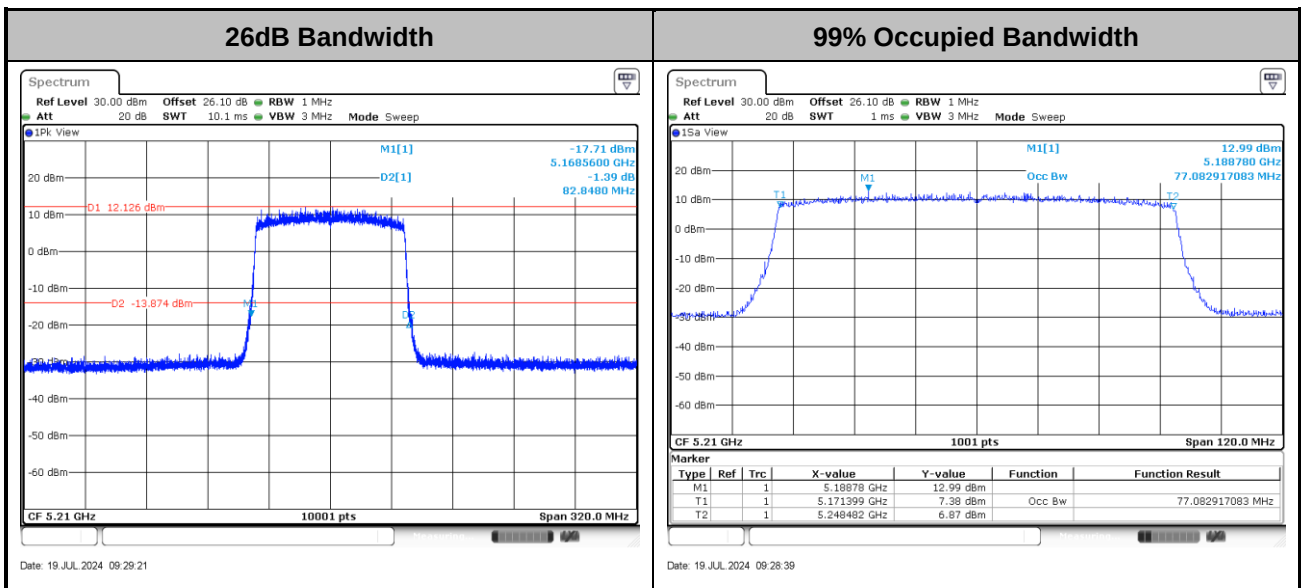


<802.11ax HE40>



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

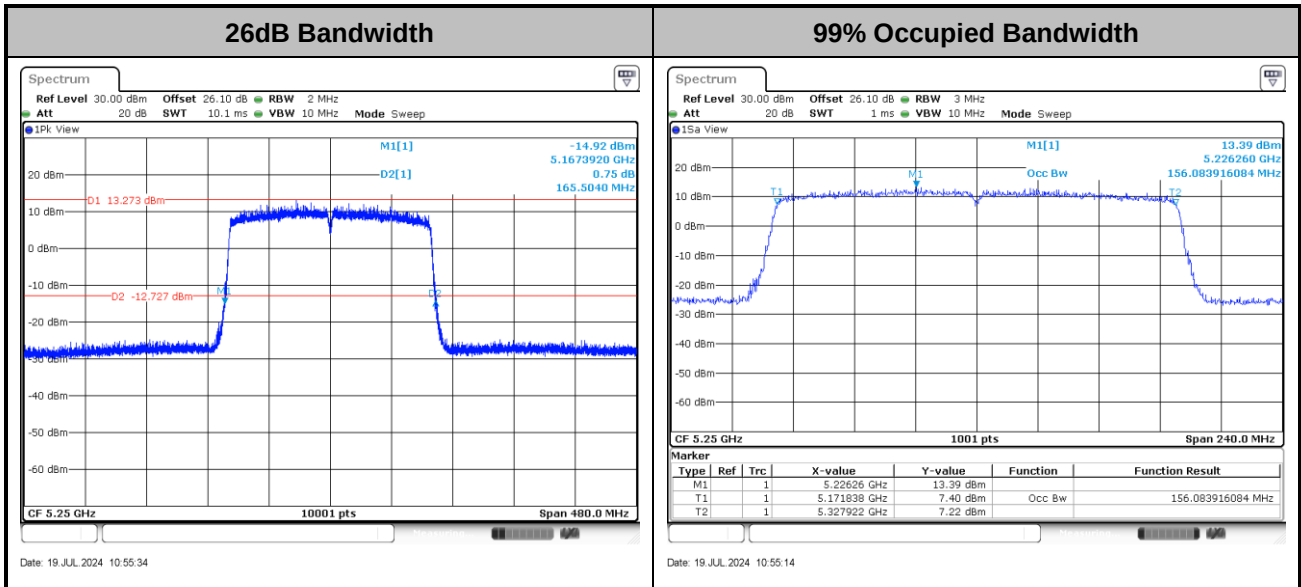
<802.11ax HE80>



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



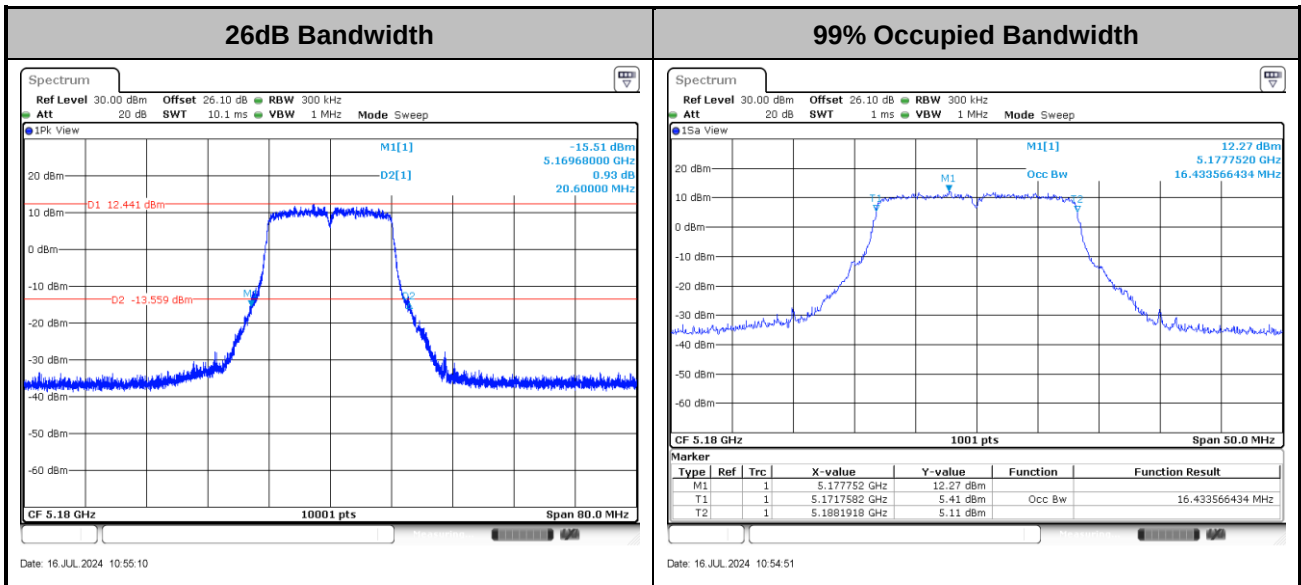
<802.11ax HE160>



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

MIMO <Ant. 0+1>

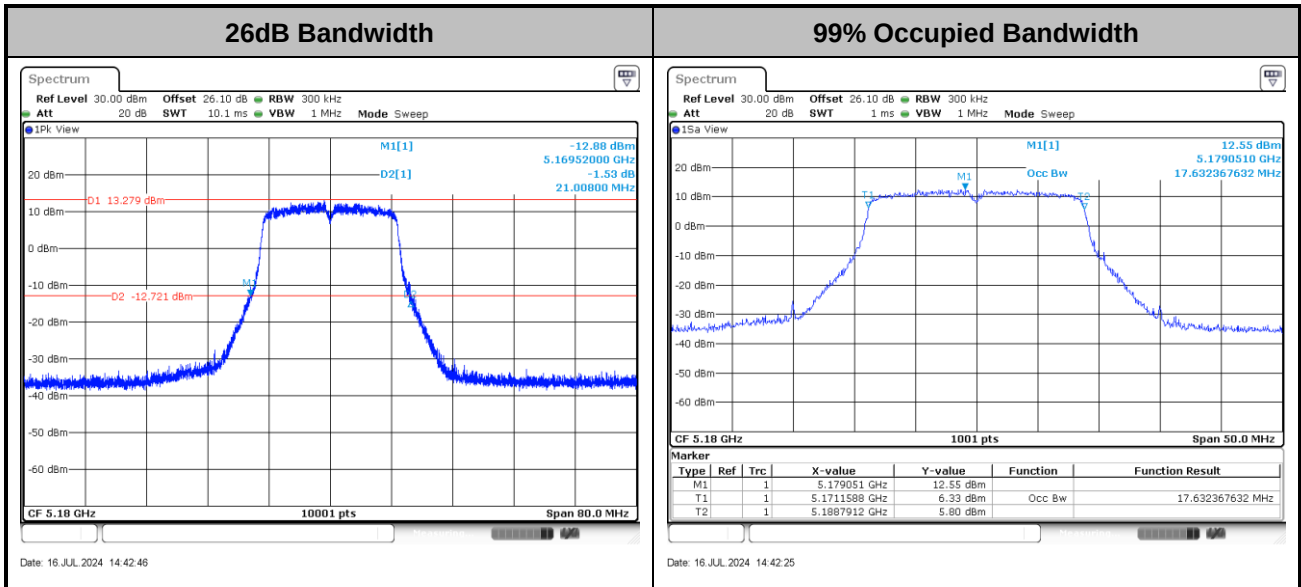
<802.11a>



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

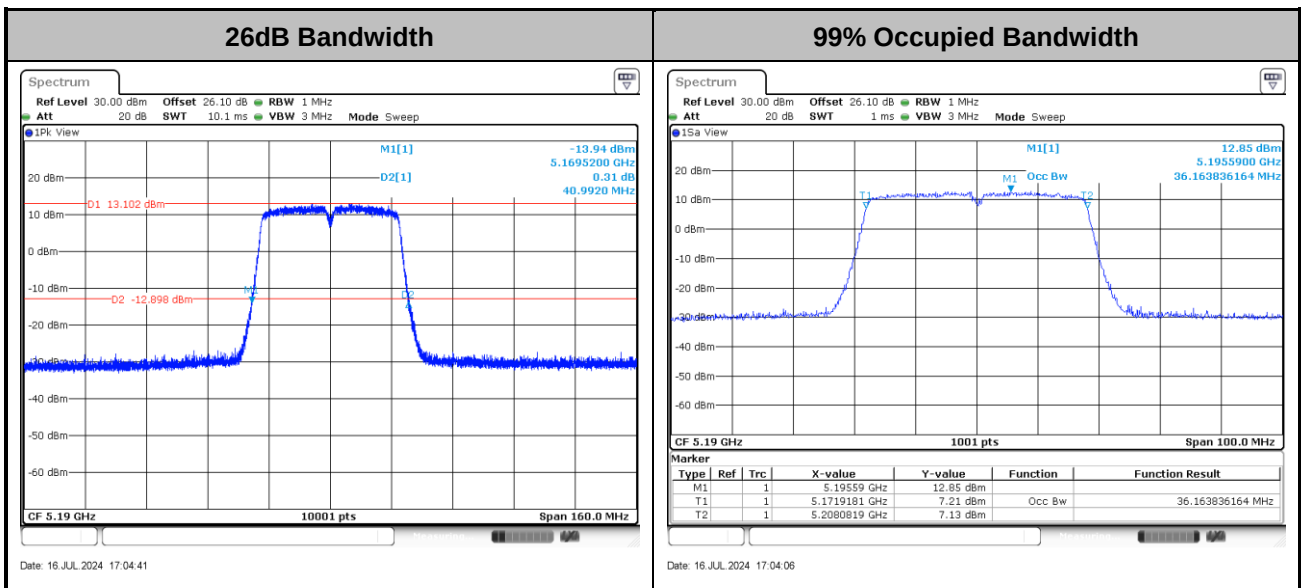


<802.11ac VHT20>



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

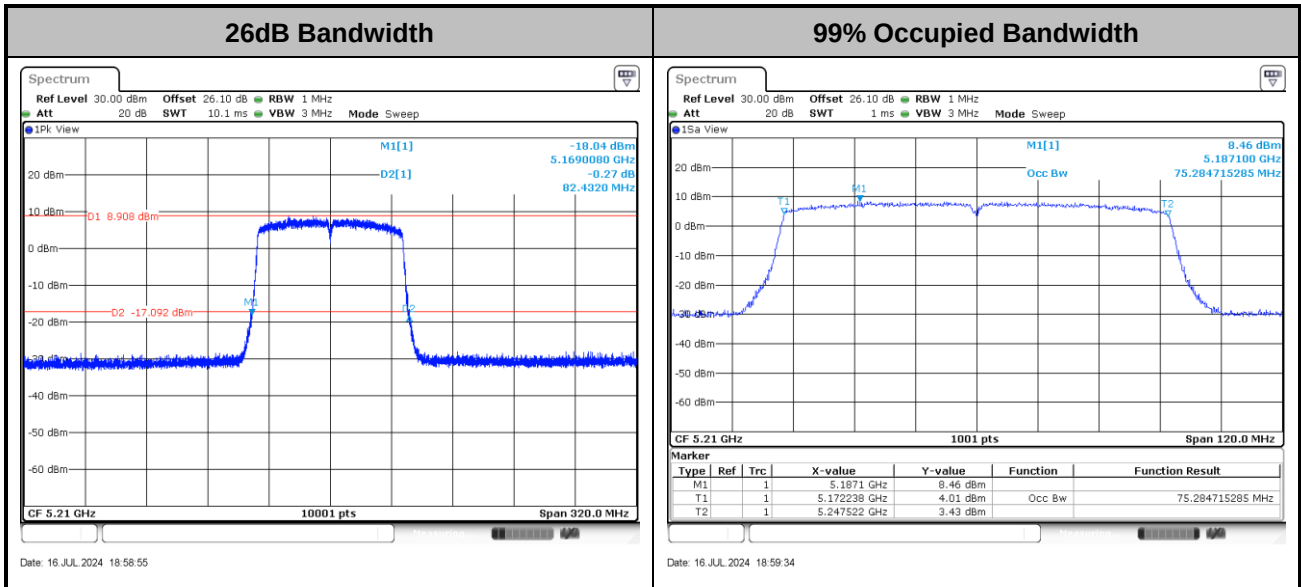
<802.11ac VHT40>



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

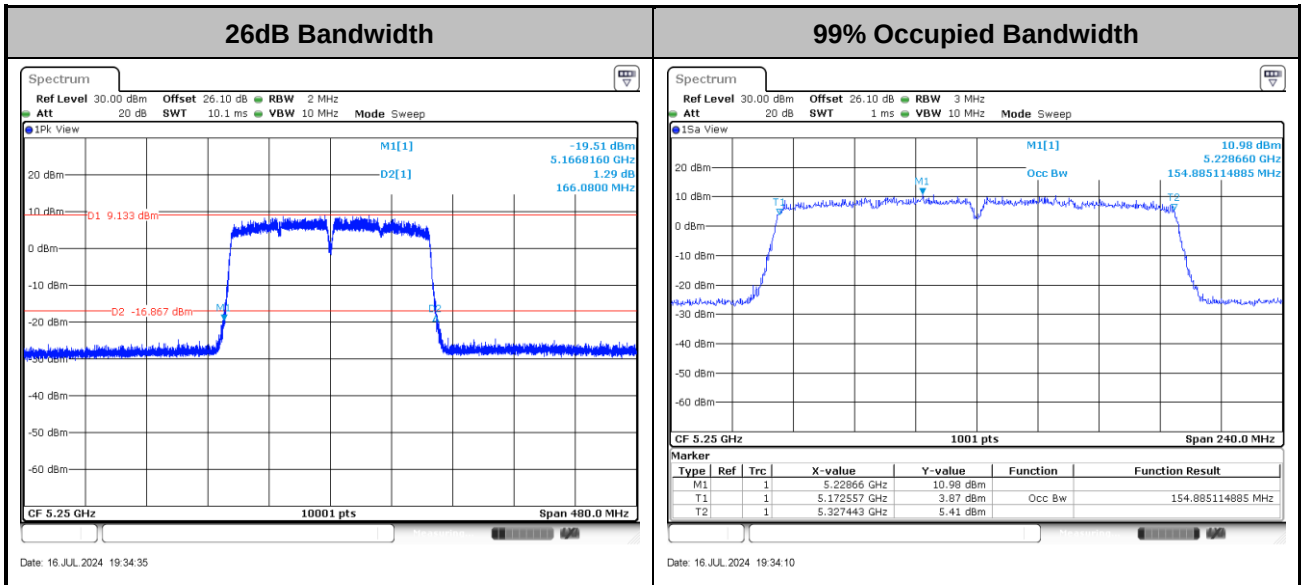


<802.11ac VHT80>



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

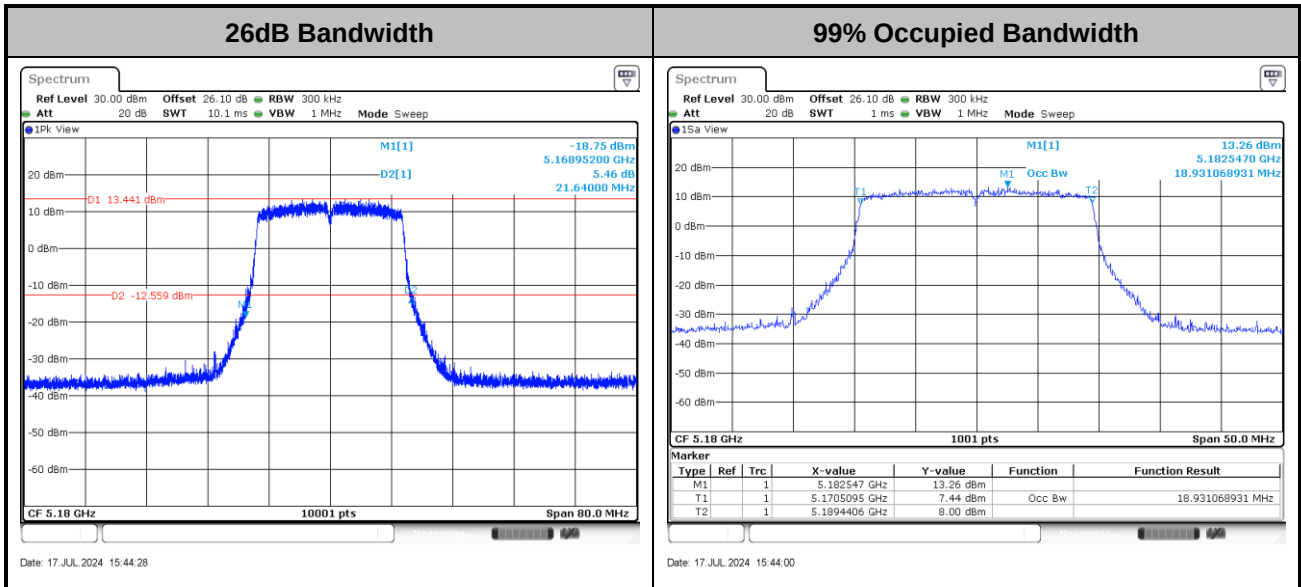
<802.11ac VHT160>



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

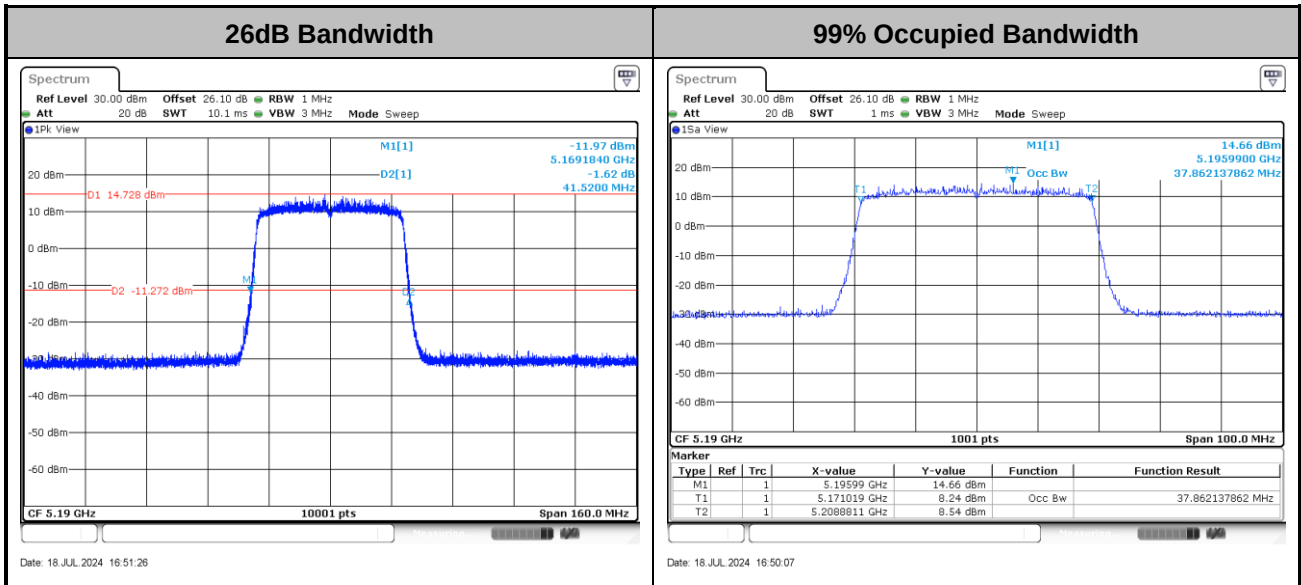


<802.11ax HE20>



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

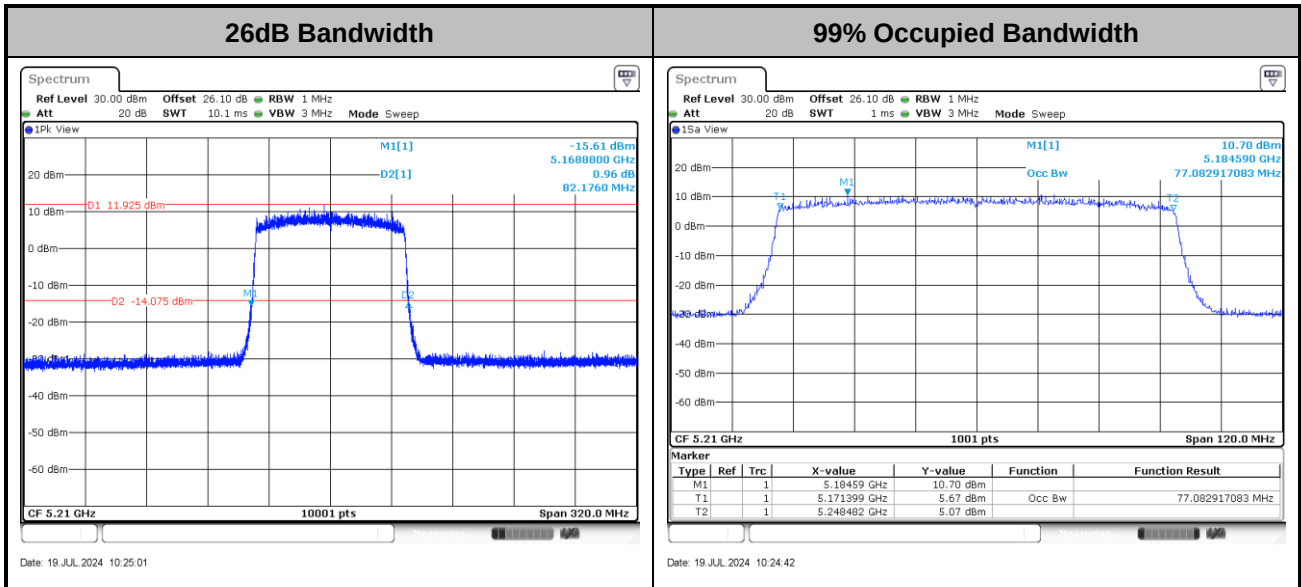
<802.11ax HE40>



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

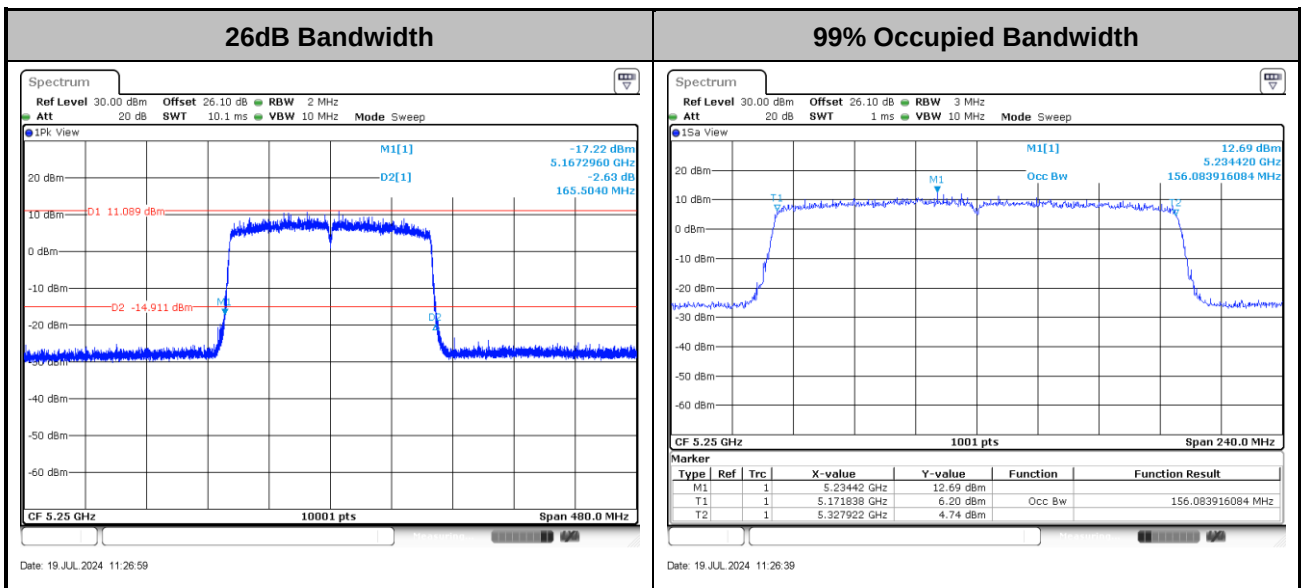


<802.11ax HE80>



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

<802.11ax HE160>

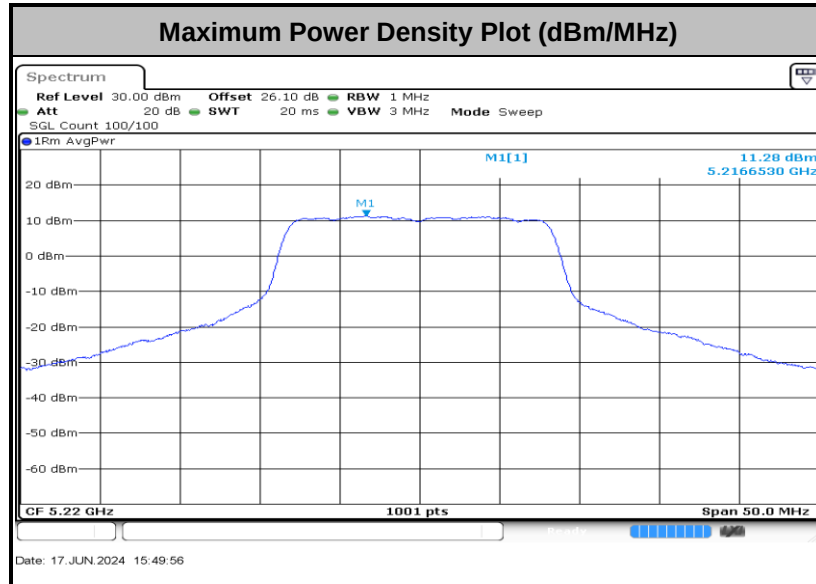


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

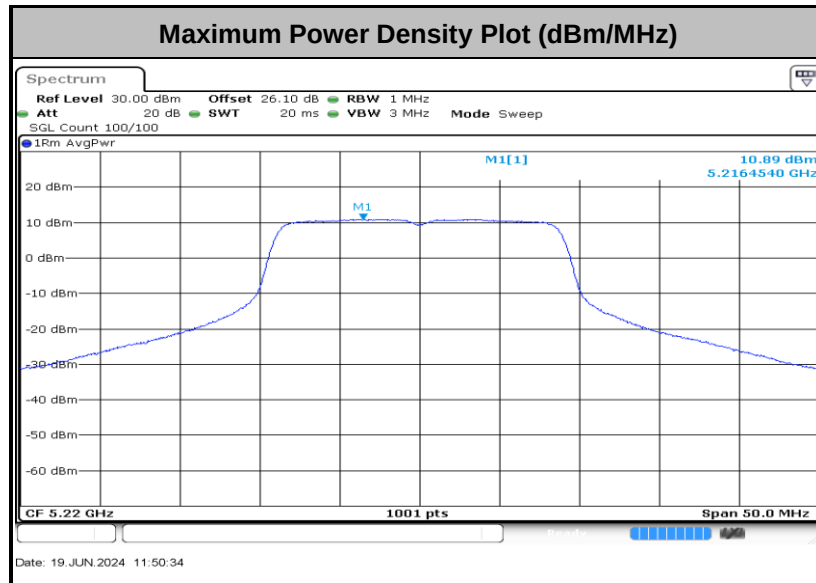
**Test Result of Power Spectral Density**

<Ant. 0>

<802.11a>

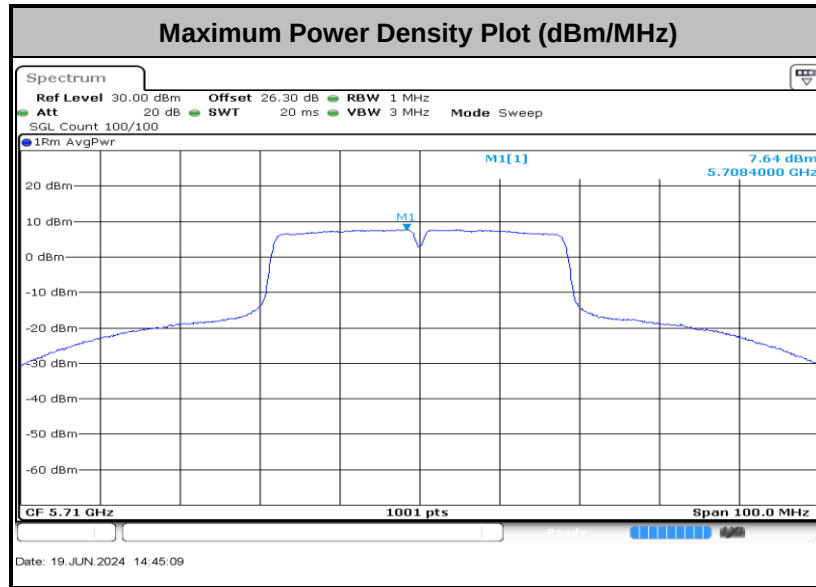


<802.11ac VHT20>

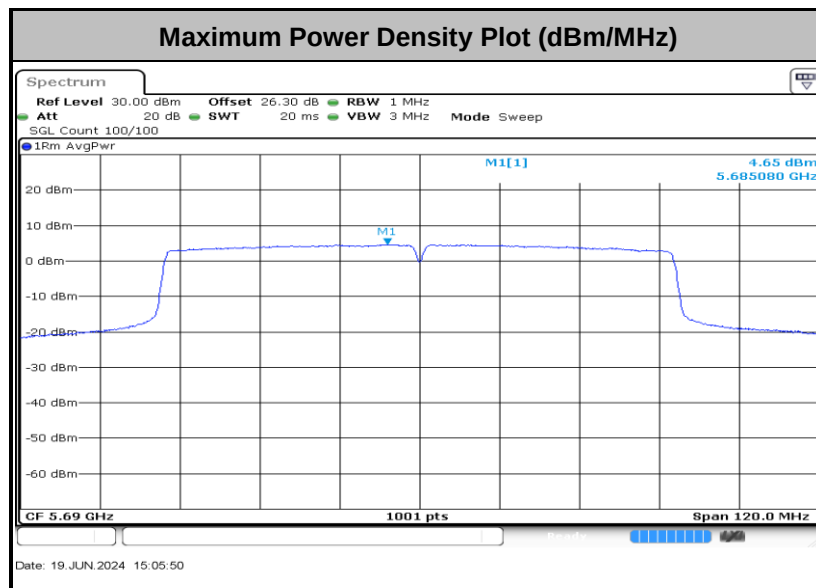




<802.11ac VHT40>

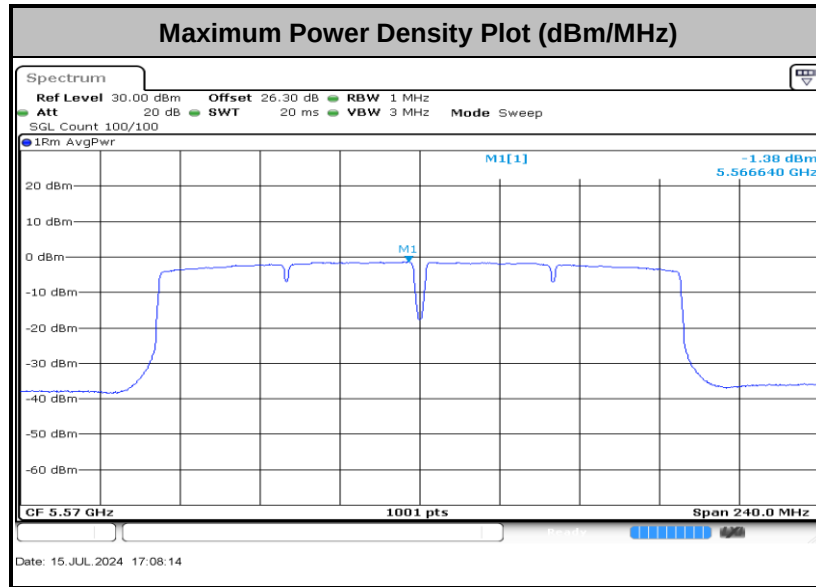


<802.11ac VHT80>

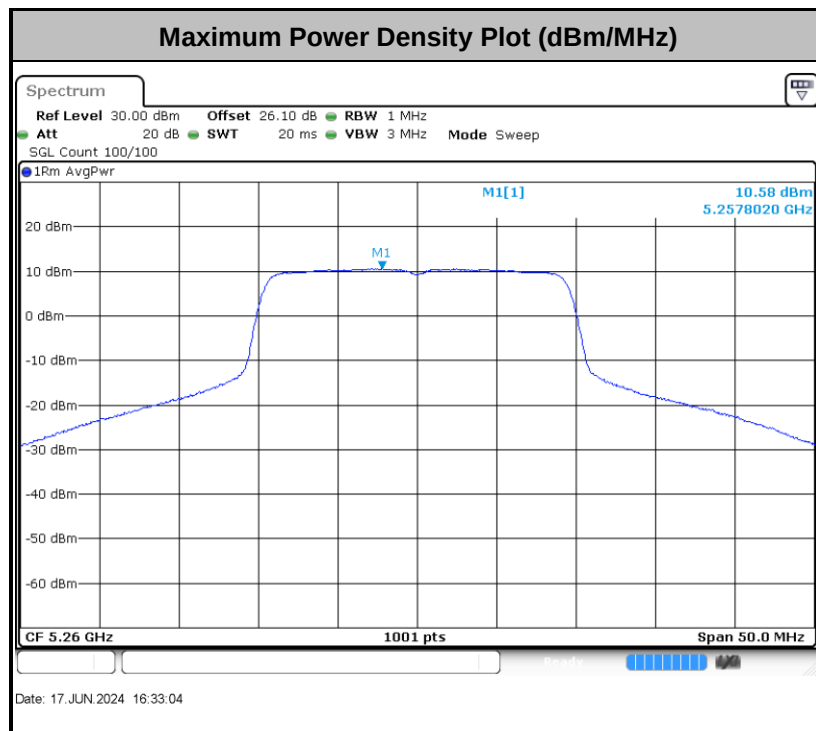




<802.11ac VHT160>

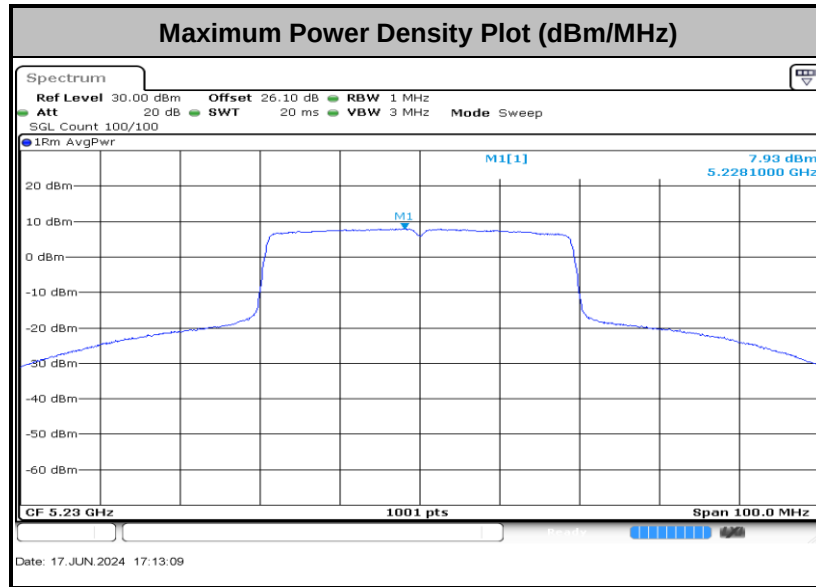


<802.11ax HE20>

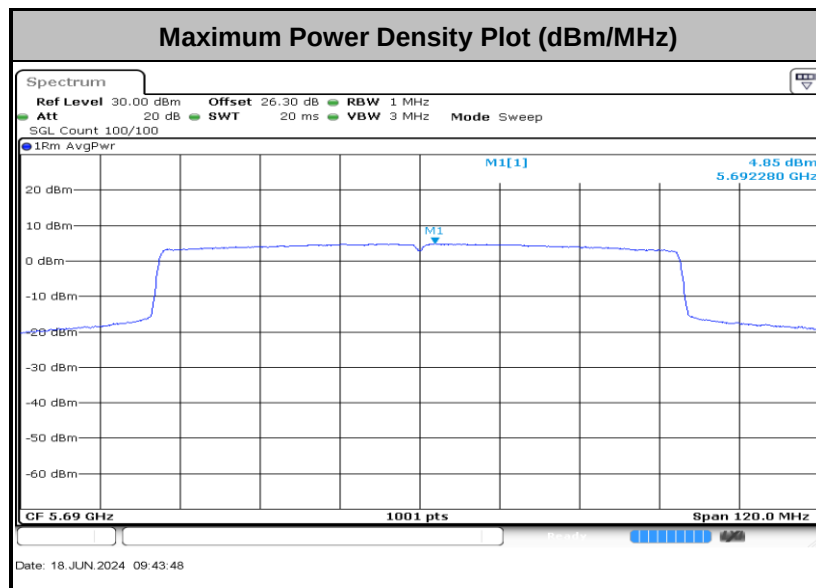




<802.11ax HE40>

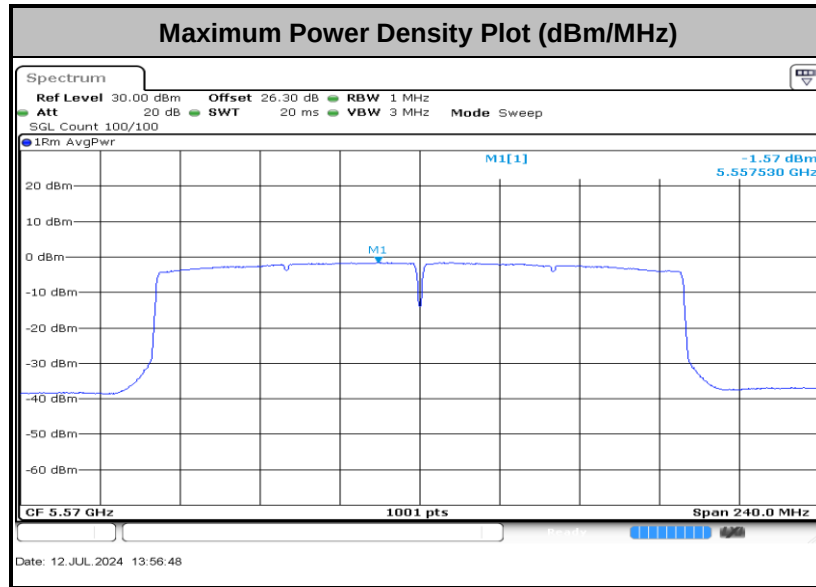


<802.11ax HE80>



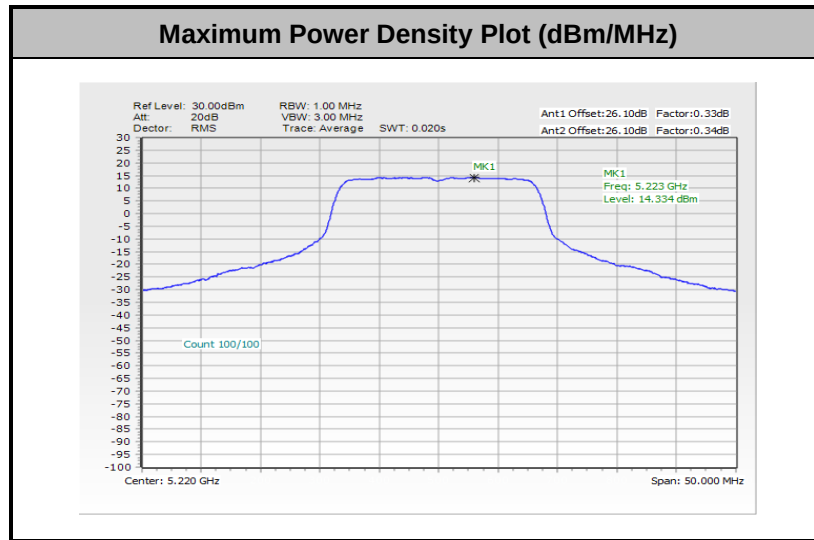


<802.11ax HE160>

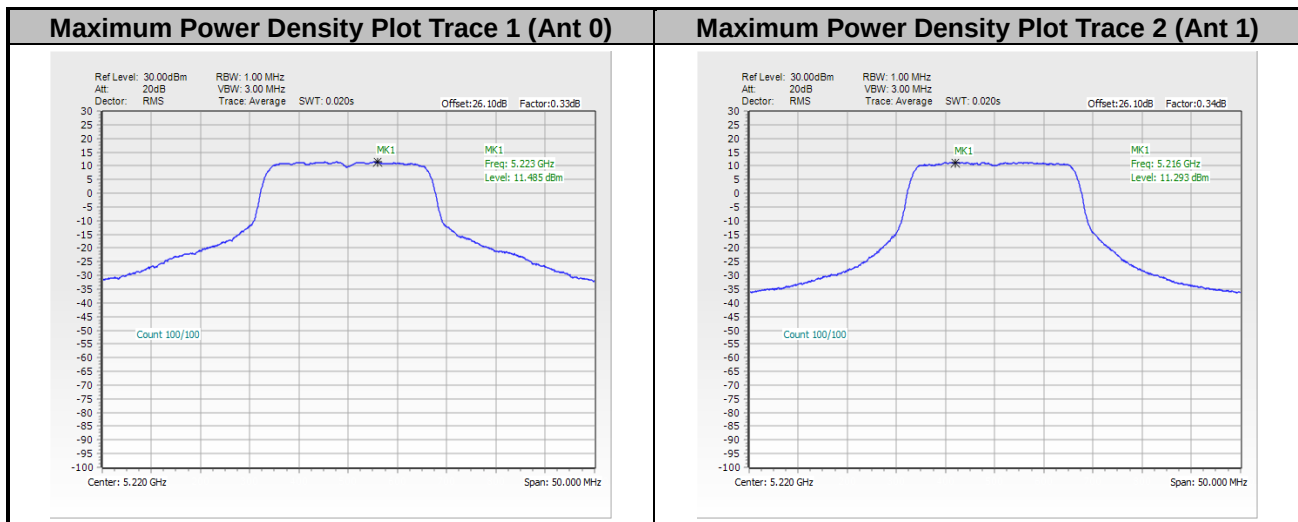


**Test Result of Power Spectral Density**

<802.11a>



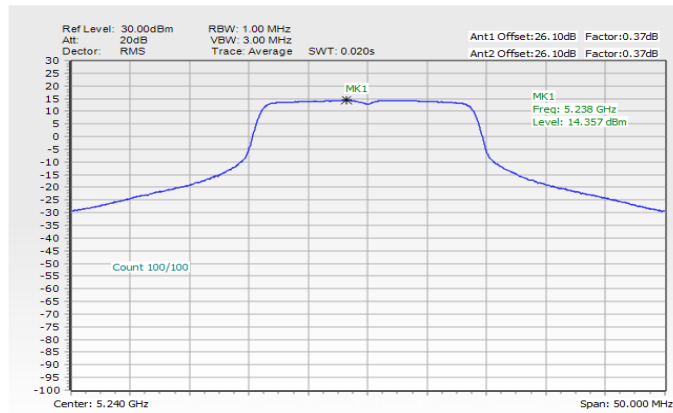
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.





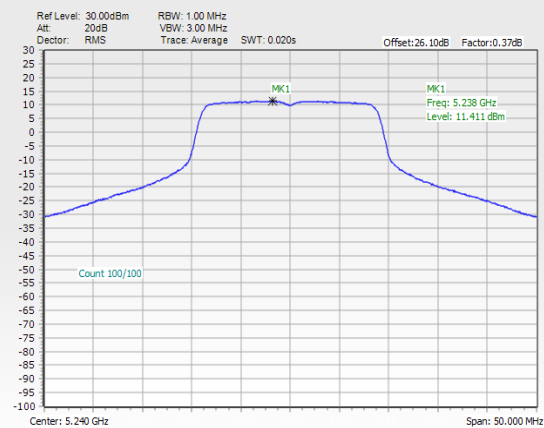
<802.11ac VHT20>

Maximum Power Density Plot (dBm/MHz)

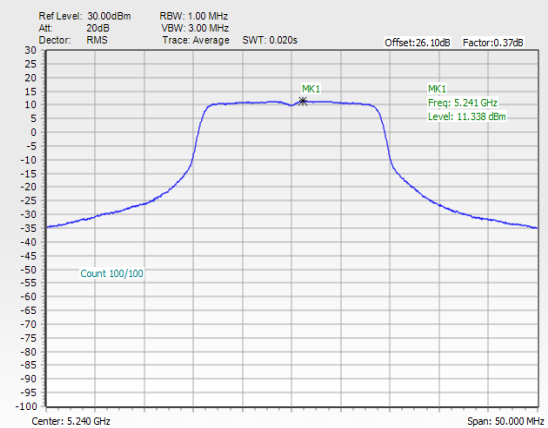


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 0)



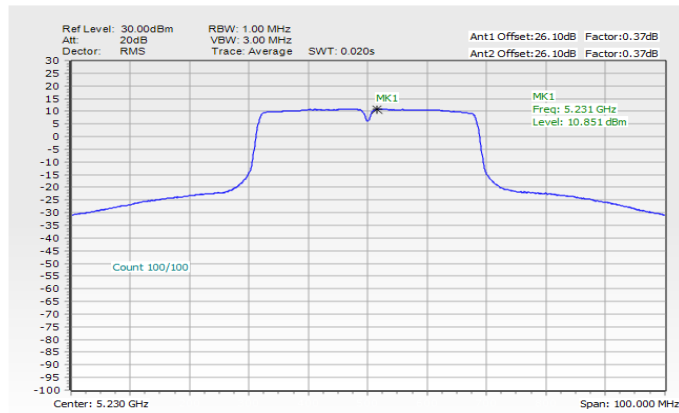
Maximum Power Density Plot Trace 2 (Ant 1)





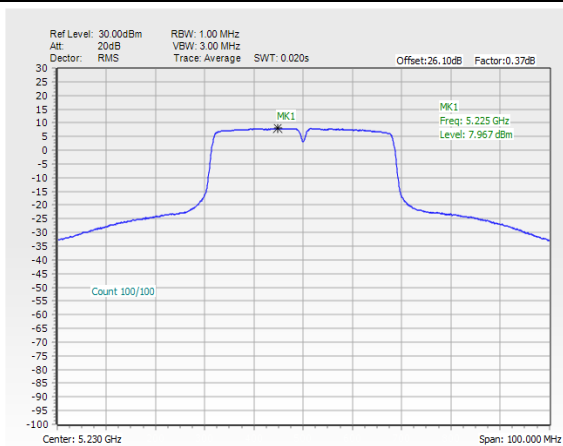
<802.11ac VHT40>

Maximum Power Density Plot (dBm/MHz)

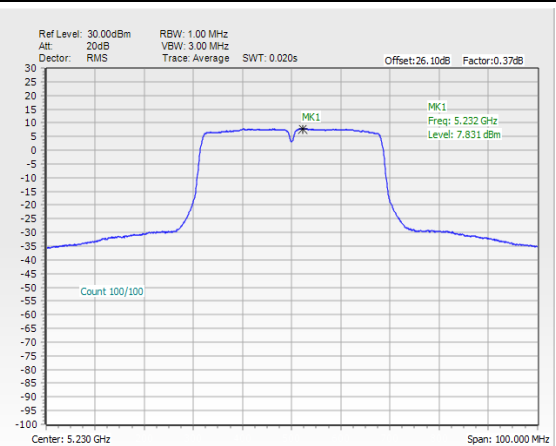


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 0)



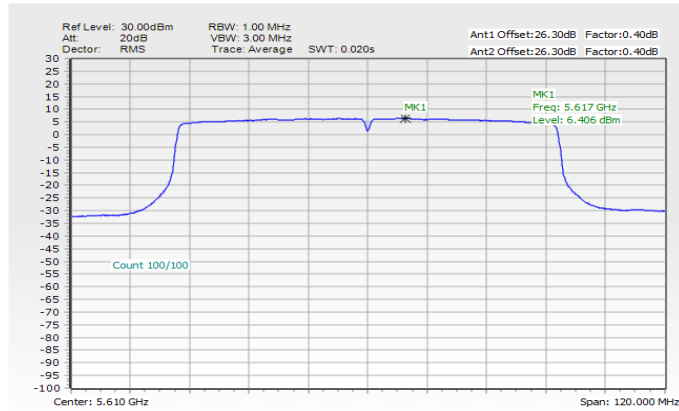
Maximum Power Density Plot Trace 2 (Ant 1)





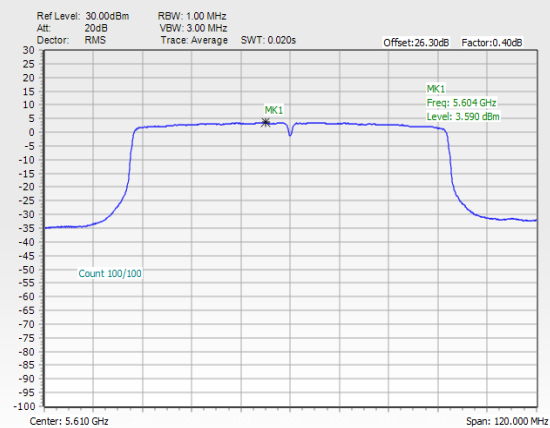
<802.11ac VHT80>

Maximum Power Density Plot (dBm/MHz)

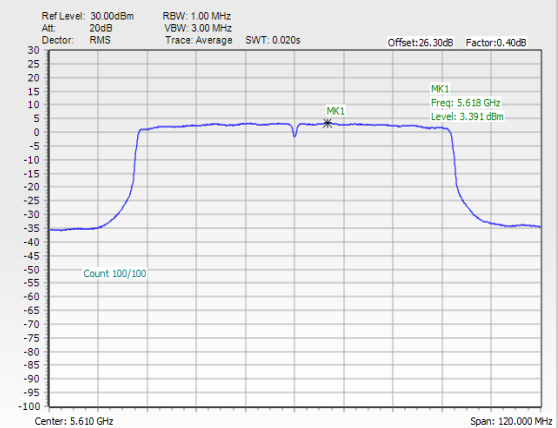


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 0)



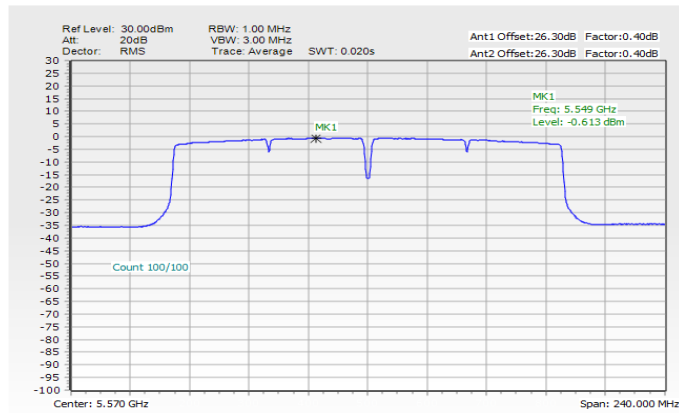
Maximum Power Density Plot Trace 2 (Ant 1)





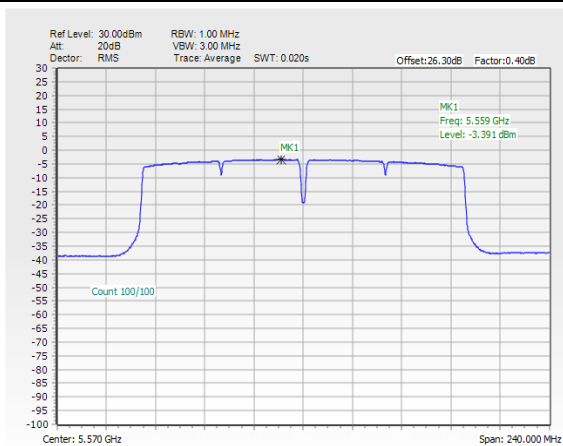
<802.11ac VHT160>

Maximum Power Density Plot (dBm/MHz)

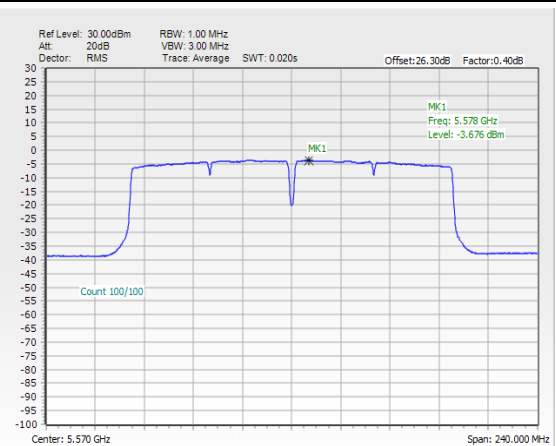


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 0)

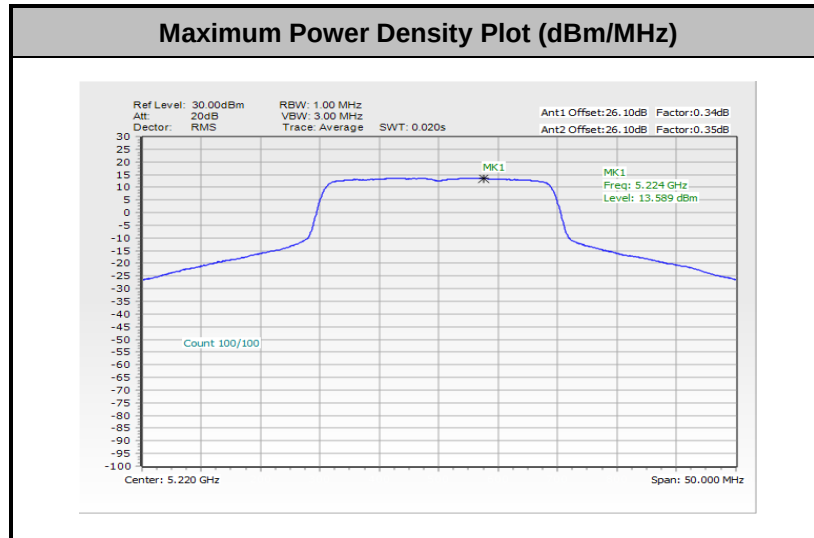


Maximum Power Density Plot Trace 2 (Ant 1)

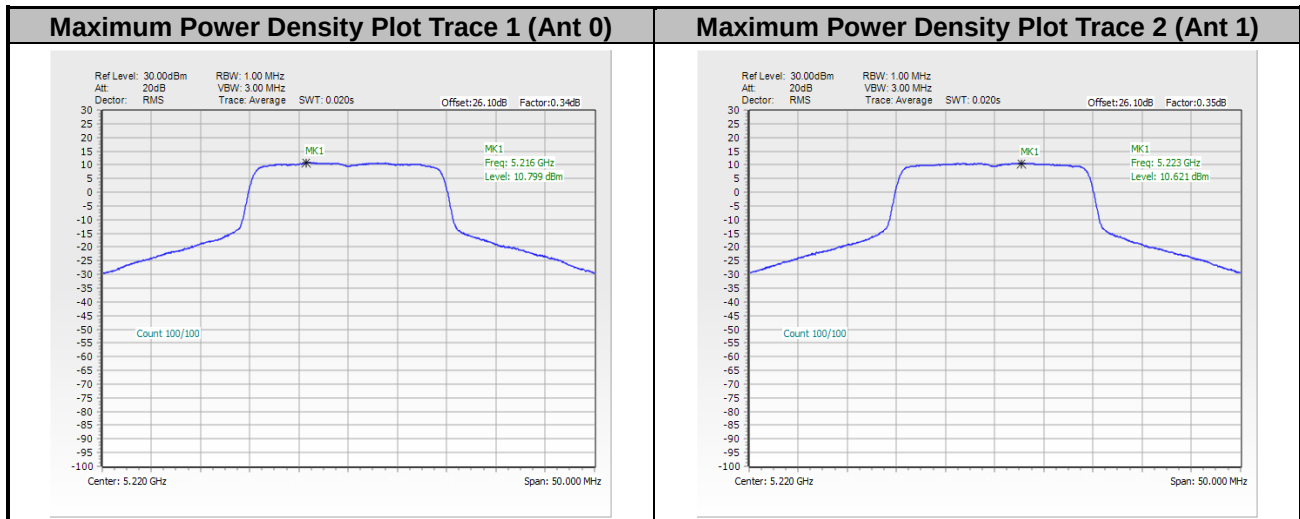




<802.11ax HE20>

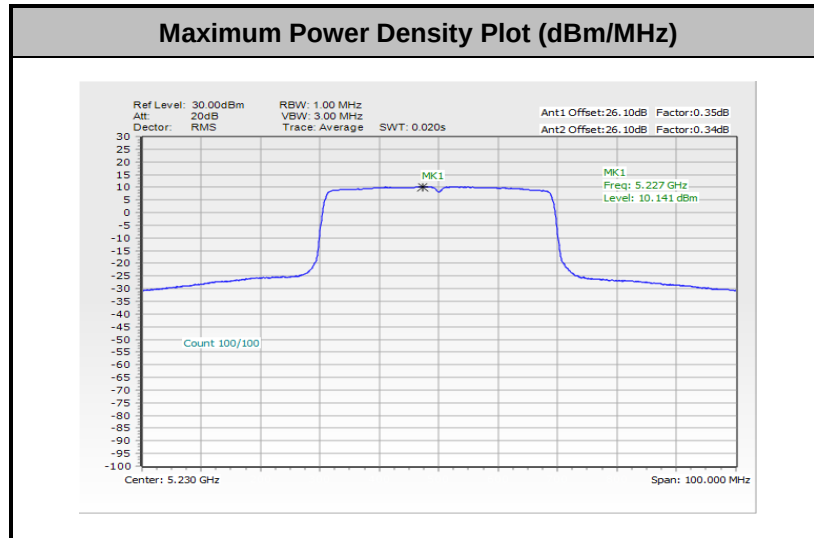


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

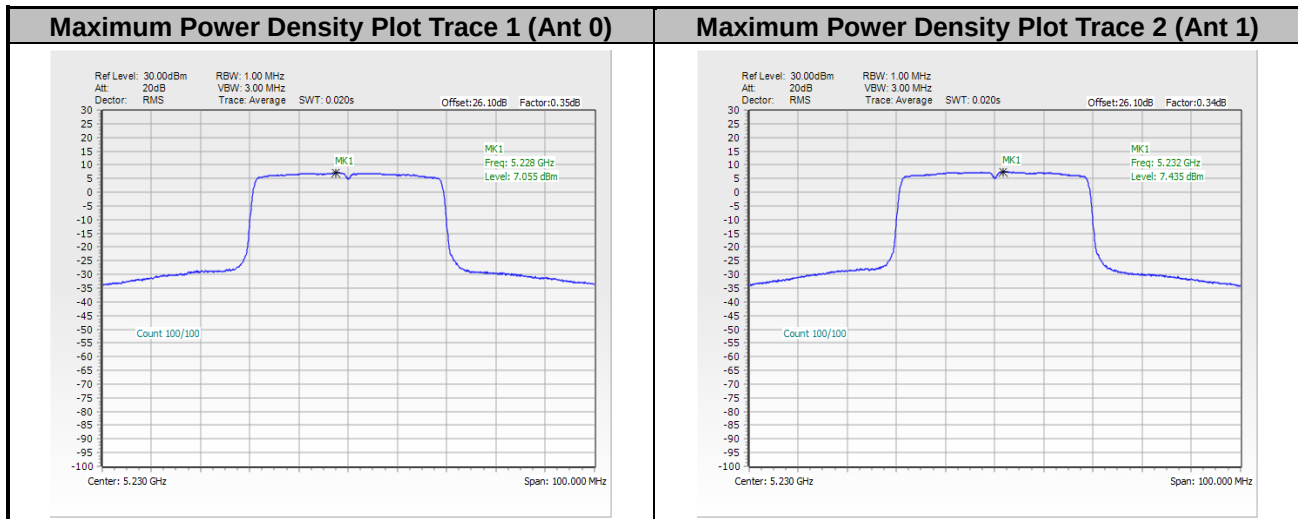




<802.11ax HE40>

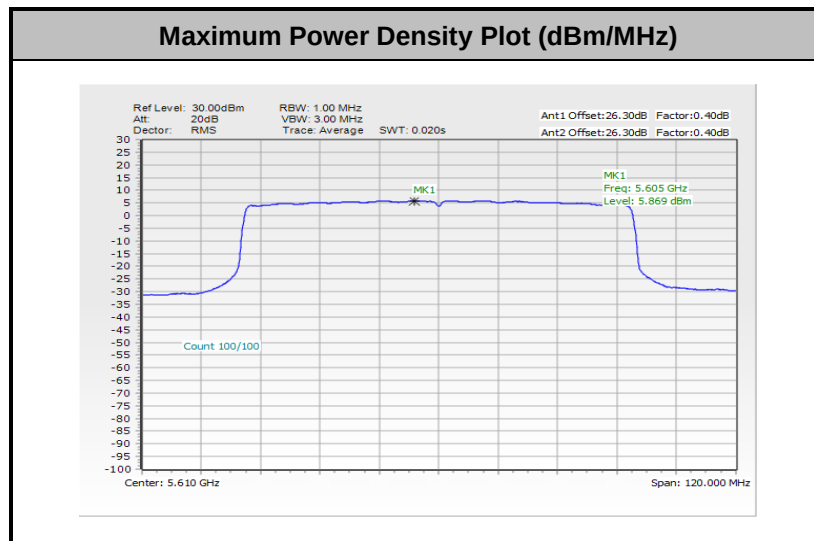


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

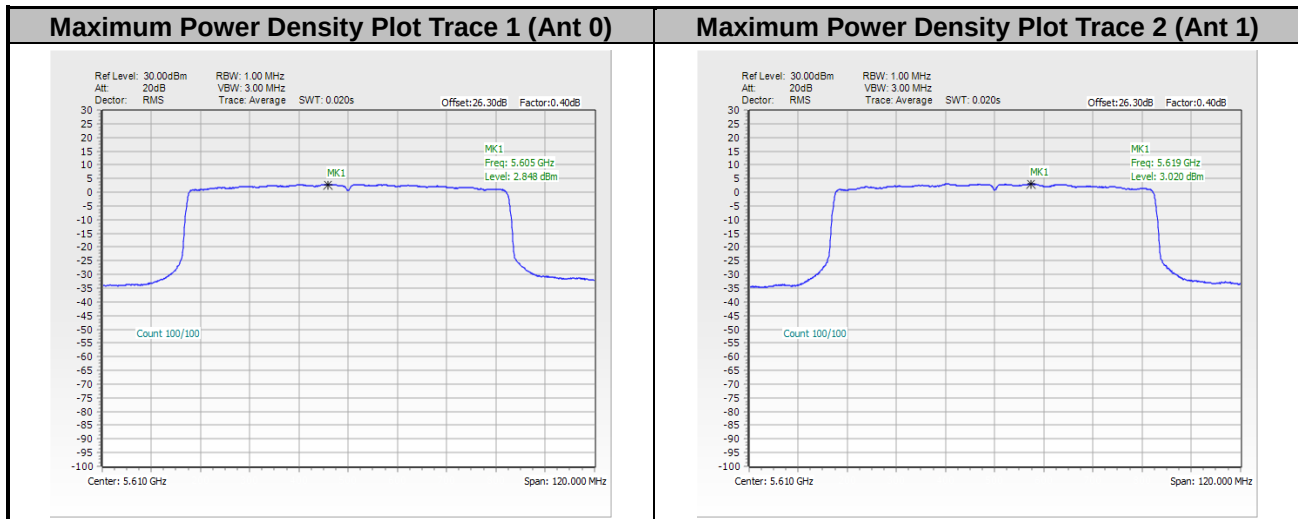




<802.11ax HE80>



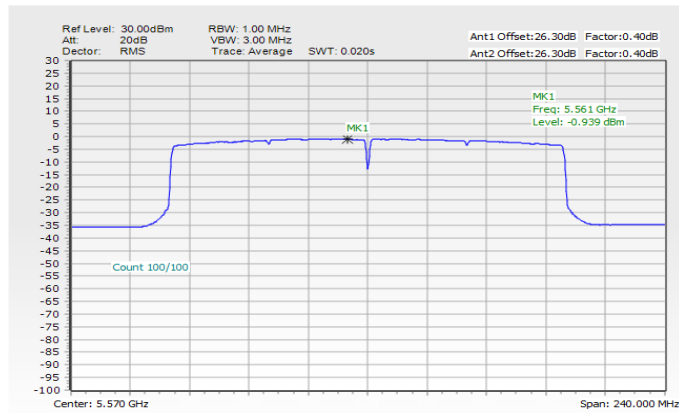
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.





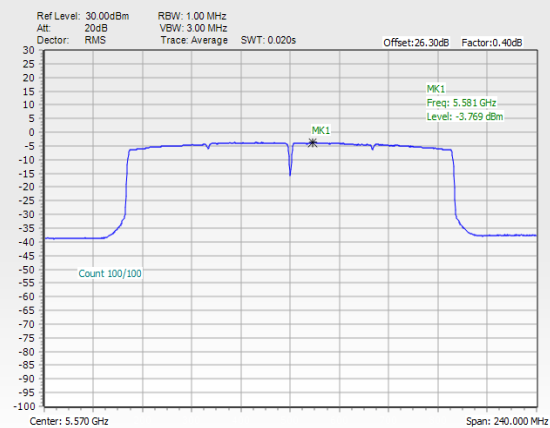
<802.11ax HE160>

Maximum Power Density Plot (dBm/MHz)

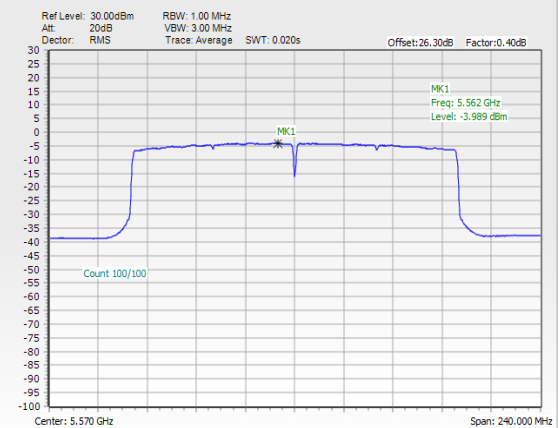


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 0)



Maximum Power Density Plot Trace 2 (Ant 1)





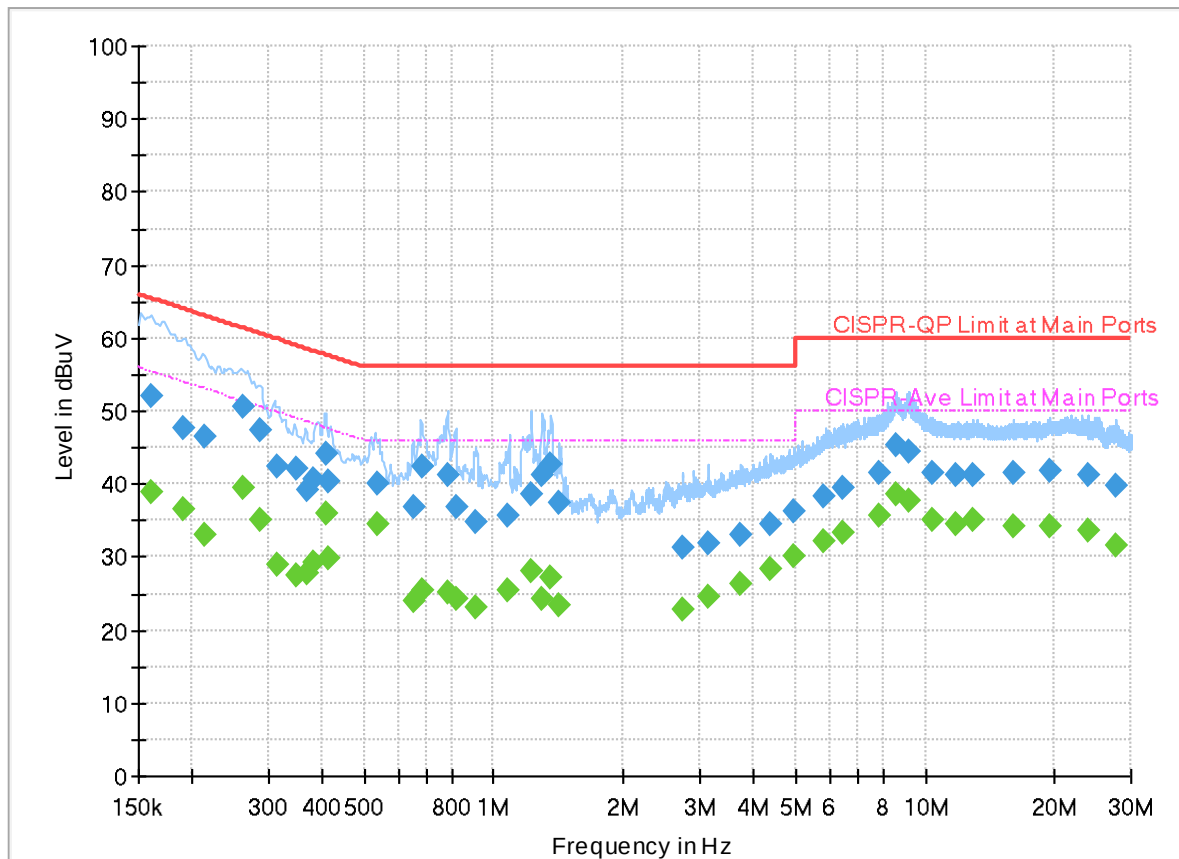
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	Temperature :	19.3~23.7℃
		Relative Humidity :	42.2~48.5%

EUT Information

Report NO : 452002
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



Final Result

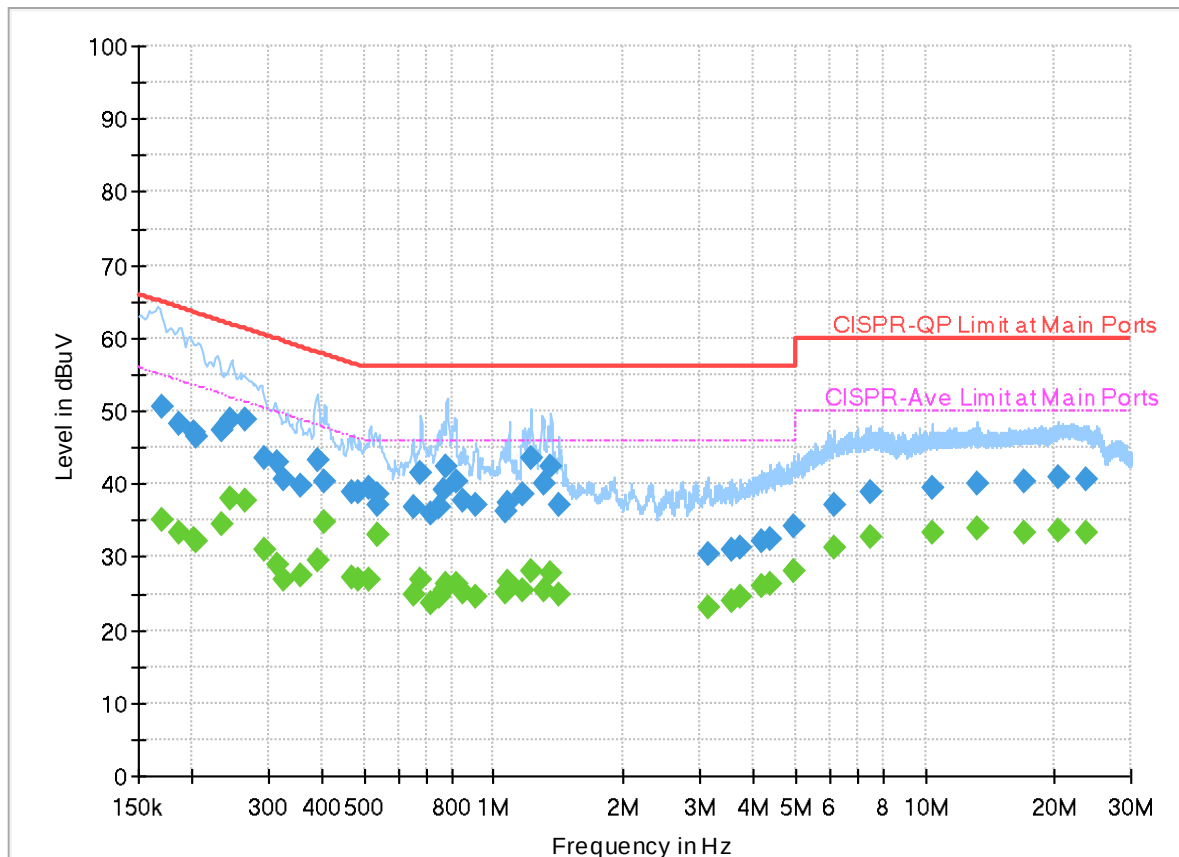
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.159720	---	38.82	55.48	16.66	L1	FLO	19.9
0.159720	52.10	---	65.48	13.38	L1	FLO	19.9
0.190590	---	36.46	54.01	17.55	L1	FLO	19.9
0.190590	47.68	---	64.01	16.33	L1	FLO	19.9
0.213000	---	33.09	53.09	20.00	L1	FLO	19.9
0.213000	46.47	---	63.09	16.62	L1	FLO	19.9
0.261510	---	39.33	51.38	12.05	L1	FLO	19.9
0.261510	50.58	---	61.38	10.80	L1	FLO	19.9
0.287520	---	35.17	50.60	15.43	L1	FLO	19.9
0.287520	47.49	---	60.60	13.11	L1	FLO	19.9
0.314250	---	28.85	49.86	21.01	L1	FLO	19.9
0.314250	42.47	---	59.86	17.39	L1	FLO	19.9
0.350250	---	27.50	48.96	21.46	L1	FLO	19.9
0.350250	42.16	---	58.96	16.80	L1	FLO	19.9
0.370500	---	27.66	48.49	20.83	L1	FLO	19.9
0.370500	39.31	---	58.49	19.18	L1	FLO	19.9
0.384000	---	29.22	48.19	18.97	L1	FLO	19.9
0.384000	40.53	---	58.19	17.66	L1	FLO	19.9
0.407130	---	35.87	47.71	11.84	L1	FLO	19.9

0.407130	44.15	---	57.71	13.56	L1	FLO	19.9
0.413250	---	29.82	47.58	17.76	L1	FLO	19.9
0.413250	40.48	---	57.58	17.10	L1	FLO	19.9
0.534750	---	34.41	46.00	11.59	L1	FLO	19.9
0.534750	40.11	---	56.00	15.89	L1	FLO	19.9
0.649500	---	24.02	46.00	21.98	L1	FLO	19.9
0.649500	36.91	---	56.00	19.09	L1	FLO	19.9
0.680100	---	25.44	46.00	20.56	L1	FLO	19.9
0.680100	42.30	---	56.00	13.70	L1	FLO	19.9
0.779190	---	25.13	46.00	20.87	L1	FLO	19.9
0.779190	41.35	---	56.00	14.65	L1	FLO	19.9
0.820500	---	24.16	46.00	21.84	L1	FLO	19.9
0.820500	36.72	---	56.00	19.28	L1	FLO	19.9
0.912120	---	23.01	46.00	22.99	L1	FLO	19.9
0.912120	34.90	---	56.00	21.10	L1	FLO	19.9
1.081500	---	25.53	46.00	20.47	L1	FLO	19.9
1.081500	35.59	---	56.00	20.41	L1	FLO	19.9
1.216770	---	27.93	46.00	18.07	L1	FLO	19.9
1.216770	38.58	---	56.00	17.42	L1	FLO	19.9
1.298400	---	24.32	46.00	21.68	L1	FLO	19.9
1.298400	41.15	---	56.00	14.85	L1	FLO	19.9
1.356720	---	27.10	46.00	18.90	L1	FLO	20.0
1.356720	42.76	---	56.00	13.24	L1	FLO	20.0
1.420170	---	23.39	46.00	22.61	L1	FLO	20.0
1.420170	37.40	---	56.00	18.60	L1	FLO	20.0
2.732010	---	22.67	46.00	23.33	L1	FLO	20.0
2.732010	31.27	---	56.00	24.73	L1	FLO	20.0
3.147360	---	24.62	46.00	21.38	L1	FLO	20.0
3.147360	31.98	---	56.00	24.02	L1	FLO	20.0
3.747570	---	26.38	46.00	19.62	L1	FLO	20.0
3.747570	33.05	---	56.00	22.95	L1	FLO	20.0
4.386210	---	28.24	46.00	17.76	L1	FLO	20.0
4.386210	34.64	---	56.00	21.36	L1	FLO	20.0
4.983000	---	29.99	46.00	16.01	L1	FLO	20.0
4.983000	36.18	---	56.00	19.82	L1	FLO	20.0
5.838000	---	32.13	50.00	17.87	L1	FLO	20.0
5.838000	38.34	---	60.00	21.66	L1	FLO	20.0
6.449370	---	33.39	50.00	16.61	L1	FLO	20.0
6.449370	39.57	---	60.00	20.43	L1	FLO	20.0
7.784250	---	35.53	50.00	14.47	L1	FLO	20.1
7.784250	41.61	---	60.00	18.39	L1	FLO	20.1
8.580750	---	38.47	50.00	11.53	L1	FLO	20.1
8.580750	45.31	---	60.00	14.69	L1	FLO	20.1
9.142080	---	37.72	50.00	12.28	L1	FLO	20.1
9.142080	44.43	---	60.00	15.57	L1	FLO	20.1
10.428810	---	35.13	50.00	14.87	L1	FLO	20.1
10.428810	41.51	---	60.00	18.49	L1	FLO	20.1
11.813820	---	34.64	50.00	15.36	L1	FLO	20.1
11.813820	41.10	---	60.00	18.90	L1	FLO	20.1
12.972750	---	34.98	50.00	15.02	L1	FLO	20.1
12.972750	41.34	---	60.00	18.66	L1	FLO	20.1
16.083150	---	34.17	50.00	15.83	L1	FLO	20.1
16.083150	41.54	---	60.00	18.46	L1	FLO	20.1
19.446000	---	34.26	50.00	15.74	L1	FLO	20.1
19.446000	41.84	---	60.00	18.16	L1	FLO	20.1
23.811000	---	33.59	50.00	16.41	L1	FLO	20.2
23.811000	41.32	---	60.00	18.68	L1	FLO	20.2
27.774420	---	31.65	50.00	18.35	L1	FLO	20.2
27.774420	39.71	---	60.00	20.29	L1	FLO	20.2

EUT Information

Report NO : 452002
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.170250	---	35.17	54.95	19.78	N	FLO	19.9
0.170250	50.59	---	64.95	14.36	N	FLO	19.9
0.187170	---	33.34	54.16	20.82	N	FLO	19.9
0.187170	48.16	---	64.16	16.00	N	FLO	19.9
0.201750	---	32.33	53.54	21.21	N	FLO	19.9
0.201750	47.13	---	63.54	16.41	N	FLO	19.9
0.204360	---	32.23	53.43	21.20	N	FLO	19.9
0.204360	46.52	---	63.43	16.91	N	FLO	19.9
0.233250	---	34.41	52.33	17.92	N	FLO	19.9
0.233250	47.39	---	62.33	14.94	N	FLO	19.9
0.245940	---	37.88	51.89	14.01	N	FLO	19.9
0.245940	48.78	---	61.89	13.11	N	FLO	19.9
0.265290	---	37.86	51.26	13.40	N	FLO	19.9
0.265290	48.95	---	61.26	12.31	N	FLO	19.9
0.294000	---	30.87	50.41	19.54	N	FLO	19.9
0.294000	43.48	---	60.41	16.93	N	FLO	19.9
0.314250	---	28.82	49.86	21.04	N	FLO	19.9
0.314250	43.11	---	59.86	16.75	N	FLO	19.9
0.325500	---	26.89	49.57	22.68	N	FLO	19.9

0.325500	40.50	---	59.57	19.07	N	FLO	19.9
0.357000	---	27.40	48.80	21.40	N	FLO	19.9
0.357000	39.91	---	58.80	18.89	N	FLO	19.9
0.388770	---	29.53	48.09	18.56	N	FLO	19.9
0.388770	43.42	---	58.09	14.67	N	FLO	19.9
0.402000	---	34.87	47.81	12.94	N	FLO	19.9
0.402000	40.49	---	57.81	17.32	N	FLO	19.9
0.470670	---	27.21	46.50	19.29	N	FLO	19.9
0.470670	38.76	---	56.50	17.74	N	FLO	19.9
0.483000	---	26.92	46.29	19.37	N	FLO	19.9
0.483000	38.86	---	56.29	17.43	N	FLO	19.9
0.514320	---	26.91	46.00	19.09	N	FLO	19.9
0.514320	39.46	---	56.00	16.54	N	FLO	19.9
0.534750	---	33.12	46.00	12.88	N	FLO	19.9
0.534750	38.73	---	56.00	17.27	N	FLO	19.9
0.537000	---	32.93	46.00	13.07	N	FLO	19.9
0.537000	37.22	---	56.00	18.78	N	FLO	19.9
0.655170	---	24.95	46.00	21.05	N	FLO	19.9
0.655170	36.97	---	56.00	19.03	N	FLO	19.9
0.677220	---	26.87	46.00	19.13	N	FLO	19.9
0.677220	41.52	---	56.00	14.48	N	FLO	19.9
0.713220	---	23.79	46.00	22.21	N	FLO	19.9
0.713220	35.90	---	56.00	20.10	N	FLO	19.9
0.747330	---	24.51	46.00	21.49	N	FLO	19.9
0.747330	36.89	---	56.00	19.11	N	FLO	19.9
0.768750	---	25.43	46.00	20.57	N	FLO	19.9
0.768750	39.23	---	56.00	16.77	N	FLO	19.9
0.775500	---	26.45	46.00	19.55	N	FLO	19.9
0.775500	42.40	---	56.00	13.60	N	FLO	19.9
0.817620	---	26.41	46.00	19.59	N	FLO	19.9
0.817620	40.21	---	56.00	15.79	N	FLO	19.9
0.851460	---	25.17	46.00	20.83	N	FLO	19.9
0.851460	37.58	---	56.00	18.42	N	FLO	19.9
0.905190	---	24.61	46.00	21.39	N	FLO	19.9
0.905190	37.06	---	56.00	18.94	N	FLO	19.9
1.063500	---	25.04	46.00	20.96	N	FLO	20.0
1.063500	36.38	---	56.00	19.62	N	FLO	20.0
1.081500	---	26.72	46.00	19.28	N	FLO	20.0
1.081500	37.38	---	56.00	18.62	N	FLO	20.0
1.171500	---	25.32	46.00	20.68	N	FLO	20.0
1.171500	38.67	---	56.00	17.33	N	FLO	20.0
1.221090	---	27.96	46.00	18.04	N	FLO	20.0
1.221090	43.51	---	56.00	12.49	N	FLO	20.0
1.302000	---	25.30	46.00	20.70	N	FLO	20.0
1.302000	39.92	---	56.00	16.08	N	FLO	20.0
1.355100	---	27.81	46.00	18.19	N	FLO	20.0
1.355100	42.38	---	56.00	13.62	N	FLO	20.0
1.421250	---	24.81	46.00	21.19	N	FLO	20.0
1.421250	37.18	---	56.00	18.82	N	FLO	20.0
3.132150	---	23.07	46.00	22.93	N	FLO	20.0
3.132150	30.33	---	56.00	25.67	N	FLO	20.0
3.545250	---	24.09	46.00	21.91	N	FLO	20.0
3.545250	31.00	---	56.00	25.00	N	FLO	20.0
3.734250	---	24.53	46.00	21.47	N	FLO	20.0
3.734250	31.26	---	56.00	24.74	N	FLO	20.0
4.174440	---	25.89	46.00	20.11	N	FLO	20.0
4.174440	32.12	---	56.00	23.88	N	FLO	20.0
4.385040	---	26.44	46.00	19.56	N	FLO	20.0
4.385040	32.46	---	56.00	23.54	N	FLO	20.0
4.976250	---	28.19	46.00	17.81	N	FLO	20.0
4.976250	34.12	---	56.00	21.88	N	FLO	20.0
6.152280	---	31.20	50.00	18.80	N	FLO	20.0
6.152280	37.15	---	60.00	22.85	N	FLO	20.0
7.456830	---	32.85	50.00	17.15	N	FLO	20.1
7.456830	38.75	---	60.00	21.25	N	FLO	20.1
10.382910	---	33.42	50.00	16.58	N	FLO	20.1
10.382910	39.54	---	60.00	20.46	N	FLO	20.1
13.152210	---	33.82	50.00	16.18	N	FLO	20.1
13.152210	40.19	---	60.00	19.81	N	FLO	20.1
16.912230	---	33.42	50.00	16.58	N	FLO	20.2
16.912230	40.43	---	60.00	19.57	N	FLO	20.2

20.411250	---	33.72	50.00	16.28	N	FLO	20.2
20.411250	41.07	---	60.00	18.93	N	FLO	20.2
23.577090	---	33.43	50.00	16.57	N	FLO	20.2
23.577090	40.75	---	60.00	19.25	N	FLO	20.2



Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	John Chuang, David Dai and Sam Chou	Temperature :	19.7~23.6°C
		Relative Humidity :	65~70.6%

Note symbol

-L	Low channel location
-R	High channel location

C1. Radiated Spurious Emission Test Modes

<SISO>

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	U-NII-1	5.15-5.25	0	802.11a	36	5180	6Mbps	-	-
Mode 2	U-NII-1	5.15-5.25	0	802.11a	44	5220	6Mbps	-	-
Mode 3	U-NII-1	5.15-5.25	0	802.11a	48	5240	6Mbps	-	-
Mode 9	U-NII-1	5.15-5.25	0	802.11ac VHT20	36	5180	MCS0	-	-
Mode 10	U-NII-1	5.15-5.25	0	802.11ac VHT20	44	5220	MCS0	-	-
Mode 11	U-NII-1	5.15-5.25	0	802.11ac VHT20	48	5240	MCS0	-	-
Mode 12	U-NII-1	5.15-5.25	0	802.11ac VHT40	38	5190	MCS0	-	-
Mode 13	U-NII-1	5.15-5.25	0	802.11ac VHT40	46	5230	MCS0	-	-
Mode 14	U-NII-1	5.15-5.25	0	802.11ac VHT80	42	5210	MCS0	-	-
Mode 15	U-NII-2A	5.25-5.35	0	802.11ac VHT160	50	5250	MCS0	-	-
Mode 16	U-NII-1	5.15-5.25	0	802.11ax HE20	36	5180	MCS0	Full	-
Mode 17	U-NII-1	5.15-5.25	0	802.11ax HE20	44	5220	MCS0	Full	-
Mode 18	U-NII-1	5.15-5.25	0	802.11ax HE20	48	5240	MCS0	Full	-
Mode 19	U-NII-1	5.15-5.25	0	802.11ax HE40	38	5190	MCS0	Full	-
Mode 20	U-NII-1	5.15-5.25	0	802.11ax HE40	46	5230	MCS0	Full	-
Mode 21	U-NII-1	5.15-5.25	0	802.11ax HE80	42	5210	MCS0	Full	-
Mode 22	U-NII-2A	5.25-5.35	0	802.11ax HE160	50	5250	MCS0	Full	-
Mode 23	U-NII-2A	5.25-5.35	0	802.11a	52	5260	6Mbps	-	-
Mode 24	U-NII-2A	5.25-5.35	0	802.11a	60	5300	6Mbps	-	-



Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 25	U-NII-2A	5.25-5.35	0	802.11a	64	5320	6Mbps	-	-
Mode 31	U-NII-2A	5.25-5.35	0	802.11ac VHT20	52	5260	MCS0	-	-
Mode 32	U-NII-2A	5.25-5.35	0	802.11ac VHT20	60	5300	MCS0	-	-
Mode 33	U-NII-2A	5.25-5.35	0	802.11ac VHT20	64	5320	MCS0	-	-
Mode 34	U-NII-2A	5.25-5.35	0	802.11ac VHT40	54	5270	MCS0	-	-
Mode 35	U-NII-2A	5.25-5.35	0	802.11ac VHT40	62	5310	MCS0	-	-
Mode 36	U-NII-2A	5.25-5.35	0	802.11ac VHT80	58	5290	MCS0	-	-
Mode 37	U-NII-2A	5.25-5.35	0	802.11ax HE20	52	5260	MCS0	Full	-
Mode 38	U-NII-2A	5.25-5.35	0	802.11ax HE20	60	5300	MCS0	Full	-
Mode 39	U-NII-2A	5.25-5.35	0	802.11ax HE20	64	5320	MCS0	Full	-
Mode 40	U-NII-2A	5.25-5.35	0	802.11ax HE40	54	5270	MCS0	Full	-
Mode 41	U-NII-2A	5.25-5.35	0	802.11ax HE40	62	5310	MCS0	Full	-
Mode 42	U-NII-2A	5.25-5.35	0	802.11ax HE80	58	5290	MCS0	Full	-
Mode 43	U-NII-2C	5.47-5.725	0	802.11a	100	5500	6Mbps	-	-
Mode 44	U-NII-2C	5.47-5.725	0	802.11a	116	5580	6Mbps	-	-
Mode 45	U-NII-2C	5.47-5.725	0	802.11a	140	5700	6Mbps	-	-
Mode 46	U-NII-2C	5.47-5.725	0	802.11a	144	5720	6Mbps	-	-
Mode 55	U-NII-2C	5.47-5.725	0	802.11ac VHT20	100	5500	MCS0	-	-
Mode 56	U-NII-2C	5.47-5.725	0	802.11ac VHT20	116	5580	MCS0	-	-
Mode 57	U-NII-2C	5.47-5.725	0	802.11ac VHT20	140	5700	MCS0	-	-
Mode 58	U-NII-2C	5.47-5.725	0	802.11ac VHT20	144	5720	MCS0	-	-
Mode 59	U-NII-2C	5.47-5.725	0	802.11ac VHT40	102	5510	MCS0	-	-
Mode 60	U-NII-2C	5.47-5.725	0	802.11ac VHT40	110	5550	MCS0	-	-
Mode 61	U-NII-2C	5.47-5.725	0	802.11ac VHT40	134	5670	MCS0	-	-
Mode 62	U-NII-2C	5.47-5.725	0	802.11ac VHT40	142	5710	MCS0	-	-
Mode 63	U-NII-2C	5.47-5.725	0	802.11ac VHT80	106	5530	MCS0	-	-
Mode 64	U-NII-2C	5.47-5.725	0	802.11ac VHT80	122	5610	MCS0	-	-
Mode 65	U-NII-2C	5.47-5.725	0	802.11ac VHT80	138	5690	MCS0	-	-
Mode 66	U-NII-2C	5.47-5.725	0	802.11ac VHT160	114	5570	MCS0	-	-
Mode 67	U-NII-2C	5.47-5.725	0	802.11ax HE20	100	5500	MCS0	Full	-
Mode 68	U-NII-2C	5.47-5.725	0	802.11ax HE20	116	5580	MCS0	Full	-
Mode 69	U-NII-2C	5.47-5.725	0	802.11ax HE20	140	5700	MCS0	Full	-



Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 70	U-NII-2C	5.47-5.725	0	802.11ax HE20	144	5720	MCS0	Full	-
Mode 71	U-NII-2C	5.47-5.725	0	802.11ax HE40	102	5510	MCS0	Full	-
Mode 72	U-NII-2C	5.47-5.725	0	802.11ax HE40	110	5550	MCS0	Full	-
Mode 73	U-NII-2C	5.47-5.725	0	802.11ax HE40	134	5670	MCS0	Full	-
Mode 74	U-NII-2C	5.47-5.725	0	802.11ax HE40	142	5710	MCS0	Full	-
Mode 75	U-NII-2C	5.47-5.725	0	802.11ax HE80	106	5530	MCS0	Full	-
Mode 76	U-NII-2C	5.47-5.725	0	802.11ax HE80	122	5610	MCS0	Full	-
Mode 77	U-NII-2C	5.47-5.725	0	802.11ax HE80	138	5690	MCS0	Full	-
Mode 78	U-NII-2C	5.47-5.725	0	802.11ax HE160	114	5570	MCS0	Full	-
Mode 79	U-NII-2C	5.47-5.725	0	802.11ac VHT80	122	5610	MCS0	-	LF
Mode 80	U-NII-2C	5.47-5.725	0	802.11ac VHT80	122	5610	MCS0	-	SHF

**<MIMO CDD(NSS = 1)>**

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 127	U-NII-1	5.15-5.25	0+1	802.11a	36	5180	6Mbps	-	-
Mode 128	U-NII-1	5.15-5.25	0+1	802.11a	44	5220	6Mbps	-	-
Mode 129	U-NII-1	5.15-5.25	0+1	802.11a	48	5240	6Mbps	-	-
Mode 135	U-NII-1	5.15-5.25	0+1	802.11ac VHT20	36	5180	MCS0	-	-
Mode 136	U-NII-1	5.15-5.25	0+1	802.11ac VHT20	44	5220	MCS0	-	-
Mode 137	U-NII-1	5.15-5.25	0+1	802.11ac VHT20	48	5240	MCS0	-	-
Mode 138	U-NII-1	5.15-5.25	0+1	802.11ac VHT40	38	5190	MCS0	-	-
Mode 139	U-NII-1	5.15-5.25	0+1	802.11ac VHT40	46	5230	MCS0	-	-
Mode 140	U-NII-1	5.15-5.25	0+1	802.11ac VHT80	42	5210	MCS0	-	-
Mode 141	U-NII-2A	5.25-5.35	0+1	802.11ac VHT160	50	5250	MCS0	-	-
Mode 142	U-NII-1	5.15-5.25	0+1	802.11ax HE20	36	5180	MCS0	Full	-
Mode 143	U-NII-1	5.15-5.25	0+1	802.11ax HE20	44	5220	MCS0	Full	-
Mode 144	U-NII-1	5.15-5.25	0+1	802.11ax HE20	48	5240	MCS0	Full	-
Mode 145	U-NII-1	5.15-5.25	0+1	802.11ax HE40	38	5190	MCS0	Full	-
Mode 146	U-NII-1	5.15-5.25	0+1	802.11ax HE40	46	5230	MCS0	Full	-
Mode 147	U-NII-1	5.15-5.25	0+1	802.11ax HE80	42	5210	MCS0	Full	-
Mode 148	U-NII-2A	5.25-5.35	0+1	802.11ax HE160	50	5250	MCS0	Full	-
Mode 149	U-NII-2A	5.25-5.35	0+1	802.11a	52	5260	6Mbps	-	-
Mode 150	U-NII-2A	5.25-5.35	0+1	802.11a	60	5300	6Mbps	-	-
Mode 151	U-NII-2A	5.25-5.35	0+1	802.11a	64	5320	6Mbps	-	-
Mode 157	U-NII-2A	5.25-5.35	0+1	802.11ac VHT20	52	5260	MCS0	-	-
Mode 158	U-NII-2A	5.25-5.35	0+1	802.11ac VHT20	60	5300	MCS0	-	-



Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 159	U-NII-2A	5.25-5.35	0+1	802.11ac VHT20	64	5320	MCS0	-	-
Mode 160	U-NII-2A	5.25-5.35	0+1	802.11ac VHT40	54	5270	MCS0	-	-
Mode 161	U-NII-2A	5.25-5.35	0+1	802.11ac VHT40	62	5310	MCS0	-	-
Mode 162	U-NII-2A	5.25-5.35	0+1	802.11ac VHT80	58	5290	MCS0	-	-
Mode 163	U-NII-2A	5.25-5.35	0+1	802.11ax HE20	52	5260	MCS0	Full	-
Mode 164	U-NII-2A	5.25-5.35	0+1	802.11ax HE20	60	5300	MCS0	Full	-
Mode 165	U-NII-2A	5.25-5.35	0+1	802.11ax HE20	64	5320	MCS0	Full	-
Mode 166	U-NII-2A	5.25-5.35	0+1	802.11ax HE40	54	5270	MCS0	Full	-
Mode 167	U-NII-2A	5.25-5.35	0+1	802.11ax HE40	62	5310	MCS0	Full	-
Mode 168	U-NII-2A	5.25-5.35	0+1	802.11ax HE80	58	5290	MCS0	Full	-
Mode 169	U-NII-2C	5.47-5.725	0+1	802.11a	100	5500	6Mbps	-	-
Mode 170	U-NII-2C	5.47-5.725	0+1	802.11a	116	5580	6Mbps	-	-
Mode 171	U-NII-2C	5.47-5.725	0+1	802.11a	140	5700	6Mbps	-	-
Mode 172	U-NII-2C	5.47-5.725	0+1	802.11a	144	5720	6Mbps	-	-
Mode 181	U-NII-2C	5.47-5.725	0+1	802.11ac VHT20	100	5500	MCS0	-	-
Mode 182	U-NII-2C	5.47-5.725	0+1	802.11ac VHT20	116	5580	MCS0	-	-
Mode 183	U-NII-2C	5.47-5.725	0+1	802.11ac VHT20	140	5700	MCS0	-	-
Mode 184	U-NII-2C	5.47-5.725	0+1	802.11ac VHT20	144	5720	MCS0	-	-
Mode 185	U-NII-2C	5.47-5.725	0+1	802.11ac VHT40	102	5510	MCS0	-	-
Mode 186	U-NII-2C	5.47-5.725	0+1	802.11ac VHT40	110	5550	MCS0	-	-
Mode 187	U-NII-2C	5.47-5.725	0+1	802.11ac VHT40	134	5670	MCS0	-	-
Mode 188	U-NII-2C	5.47-5.725	0+1	802.11ac VHT40	142	5710	MCS0	-	-
Mode 189	U-NII-2C	5.47-5.725	0+1	802.11ac VHT80	106	5530	MCS0	-	-
Mode 190	U-NII-2C	5.47-5.725	0+1	802.11ac VHT80	122	5610	MCS0	-	-
Mode 191	U-NII-2C	5.47-5.725	0+1	802.11ac VHT80	138	5690	MCS0	-	-
Mode 192	U-NII-2C	5.47-5.725	0+1	802.11ac VHT160	114	5570	MCS0	-	-
Mode 193	U-NII-2C	5.47-5.725	0+1	802.11ax HE20	100	5500	MCS0	Full	-
Mode 194	U-NII-2C	5.47-5.725	0+1	802.11ax HE20	116	5580	MCS0	Full	-
Mode 195	U-NII-2C	5.47-5.725	0+1	802.11ax HE20	140	5700	MCS0	Full	-
Mode 196	U-NII-2C	5.47-5.725	0+1	802.11ax HE20	144	5720	MCS0	Full	-
Mode 197	U-NII-2C	5.47-5.725	0+1	802.11ax HE40	102	5510	MCS0	Full	-
Mode 198	U-NII-2C	5.47-5.725	0+1	802.11ax HE40	110	5550	MCS0	Full	-
Mode 199	U-NII-2C	5.47-5.725	0+1	802.11ax HE40	134	5670	MCS0	Full	-



Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 200	U-NII-2C	5.47-5.725	0+1	802.11ax HE40	142	5710	MCS0	Full	-
Mode 201	U-NII-2C	5.47-5.725	0+1	802.11ax HE80	106	5530	MCS0	Full	-
Mode 202	U-NII-2C	5.47-5.725	0+1	802.11ax HE80	122	5610	MCS0	Full	-
Mode 203	U-NII-2C	5.47-5.725	0+1	802.11ax HE80	138	5690	MCS0	Full	-
Mode 204	U-NII-2C	5.47-5.725	0+1	802.11ax HE160	114	5570	MCS0	Full	-
Mode 205	U-NII-2A	5.25-5.35	0+1	802.11ac VHT20	64	5320	MCS0	-	LF
Mode 206	U-NII-2A	5.25-5.35	0+1	802.11ac VHT20	64	5320	MCS0	-	SHF

C2. Summary of each worse mode

<SISO>

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
1	802.11a	36	5149.94	50.72	54.00	-3.28	V	Avg.	Pass	-	Band Edge
	802.11a	36	15540.00	42.90	54.00	-11.10	V	Avg.	Pass	-	Harmonic
2	802.11a	44	5040.04	42.78	54.00	-11.22	V	Avg.	Pass	-	Band Edge
	802.11a	44	15660.00	42.56	54.00	-11.44	V	Avg.	Pass	-	Harmonic
3	802.11a	48	5040.08	42.63	54.00	-11.37	V	Avg.	Pass	-	Band Edge
	802.11a	48	15720.00	42.78	54.00	-11.22	V	Avg.	Pass	-	Harmonic
9	802.11ac VHT20	36	5149.94	45.40	54.00	-8.60	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	36	15540.00	42.90	54.00	-11.10	V	Avg.	Pass	-	Harmonic
10	802.11ac VHT20	44	5135.96	40.91	54.00	-13.09	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	44	15660.00	43.00	54.00	-11.00	H	Avg.	Pass	-	Harmonic
11	802.11ac VHT20	48	5040.08	41.22	54.00	-12.78	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	48	15720.00	43.06	54.00	-10.94	V	Avg.	Pass	-	Harmonic
12	802.11ac VHT40	38	5149.53	51.92	54.00	-2.08	V	Avg.	Pass	-	Band Edge
	802.11ac VHT40	38	10380.00	41.62	54.00	-12.38	H	Avg.	Pass	-	Harmonic
13	802.11ac VHT40	46	5149.73	51.58	54.00	-2.42	V	Avg.	Pass	-	Band Edge
	802.11ac VHT40	46	15690.00	42.43	54.00	-11.57	H	Avg.	Pass	-	Harmonic
14	802.11ac VHT80	42	5146.16	53.86	54.00	-0.14	V	Avg.	Pass	-	Band Edge
	802.11ac VHT80	42	15630.00	42.34	54.00	-11.66	H	Avg.	Pass	-	Harmonic
15	802.11ac VHT160	50	5148.00	53.67	54.00	-0.33	V	Avg.	Pass	-	Band Edge
	802.11ac VHT160	50	15750.00	42.36	54.00	-11.64	H	Avg.	Pass	-	Harmonic



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
16	802.11ax HE20	36	5149.76	46.78	54.00	-7.22	V	Avg.	Pass	Full	Band Edge
	802.11ax HE20	36	15540.00	42.29	54.00	-11.71	V	Avg.	Pass	Full	Harmonic
17	802.11ax HE20	44	5040.04	43.11	54.00	-10.89	V	Avg.	Pass	Full	Band Edge
	802.11ax HE20	44	15660.00	42.50	54.00	-11.50	V	Avg.	Pass	Full	Harmonic
18	802.11ax HE20	48	5039.84	41.09	54.00	-12.91	V	Avg.	Pass	Full	Band Edge
	802.11ax HE20	48	15720.00	42.55	54.00	-11.45	H	Avg.	Pass	Full	Harmonic
19	802.11ax HE40	38	5149.91	53.70	54.00	-0.30	V	Avg.	Pass	Full	Band Edge
	802.11ax HE40	38	15570.00	42.51	54.00	-11.49	V	Avg.	Pass	Full	Harmonic
20	802.11ax HE40	46	5149.50	52.53	54.00	-1.47	V	Avg.	Pass	Full	Band Edge
	802.11ax HE40	46	15690.00	42.66	54.00	-11.34	H	Avg.	Pass	Full	Harmonic
21	802.11ax HE80	42	5148.89	52.89	54.00	-1.11	V	Avg.	Pass	Full	Band Edge
	802.11ax HE80	42	15630.00	42.37	54.00	-11.63	H	Avg.	Pass	Full	Harmonic
22	802.11ax HE160	50	5142.50	53.29	54.00	-0.71	V	Avg.	Pass	Full	Band Edge
	802.11ax HE160	50	15750.00	42.68	54.00	-11.32	H	Avg.	Pass	Full	Harmonic
23	802.11a	52	5353.40	42.70	54.00	-11.30	V	Avg.	Pass	-	Band Edge
	802.11a	52	15780.00	42.59	54.00	-11.41	H	Avg.	Pass	-	Harmonic
24	802.11a	60	5350.72	46.53	54.00	-7.47	V	Avg.	Pass	-	Band Edge
	802.11a	60	15900.00	42.54	54.00	-11.46	H	Avg.	Pass	-	Harmonic
25	802.11a	64	5350.38	49.39	54.00	-4.61	V	Avg.	Pass	-	Band Edge
	802.11a	64	15960.00	43.55	54.00	-10.45	V	Avg.	Pass	-	Harmonic
31	802.11ac VHT20	52	5355.60	41.47	54.00	-12.53	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	52	15780.00	43.02	54.00	-10.98	H	Avg.	Pass	-	Harmonic
32	802.11ac VHT20	60	5350.24	45.84	54.00	-8.16	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	60	15900.00	43.25	54.00	-10.75	H	Avg.	Pass	-	Harmonic
33	802.11ac VHT20	64	5350.10	49.88	54.00	-4.12	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	64	15960.00	43.40	54.00	-10.60	H	Avg.	Pass	-	Harmonic
34	802.11ac VHT40	54	5350.56	52.90	54.00	-1.10	V	Avg.	Pass	-	Band Edge
	802.11ac VHT40	54	15810.00	42.35	54.00	-11.65	V	Avg.	Pass	-	Harmonic
35	802.11ac VHT40	62	5350.65	53.20	54.00	-0.80	V	Avg.	Pass	-	Band Edge
	802.11ac VHT40	62	15930.00	42.69	54.00	-11.31	V	Avg.	Pass	-	Harmonic
36	802.11ac VHT80	58	5352.73	51.18	54.00	-2.82	V	Avg.	Pass	-	Band Edge
	802.11ac VHT80	58	15870.00	42.09	54.00	-11.91	V	Avg.	Pass	-	Harmonic



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
37	802.11ax HE20	52	5356.80	42.12	54.00	-11.88	V	Avg.	Pass	Full	Band Edge
	802.11ax HE20	52	15780.00	42.63	54.00	-11.37	V	Avg.	Pass	Full	Harmonic
38	802.11ax HE20	60	5350.56	46.87	54.00	-7.13	H	Avg.	Pass	Full	Band Edge
	802.11ax HE20	60	15900.00	42.87	54.00	-11.13	V	Avg.	Pass	Full	Harmonic
39	802.11ax HE20	64	5351.08	53.56	54.00	-0.44	V	Avg.	Pass	Full	Band Edge
	802.11ax HE20	64	10640.00	42.30	54.00	-11.70	H	Avg.	Pass	Full	Harmonic
40	802.11ax HE40	54	5350.75	52.78	54.00	-1.22	V	Avg.	Pass	Full	Band Edge
	802.11ax HE40	54	15810.00	42.21	54.00	-11.79	H	Avg.	Pass	Full	Harmonic
41	802.11ax HE40	62	5352.60	48.84	54.00	-5.16	V	Avg.	Pass	Full	Band Edge
	802.11ax HE40	62	15930.00	42.50	54.00	-11.50	H	Avg.	Pass	Full	Harmonic
42	802.11ax HE80	58	5350.18	52.47	54.00	-1.53	V	Avg.	Pass	Full	Band Edge
	802.11ax HE80	58	15870.00	42.65	54.00	-11.35	V	Avg.	Pass	Full	Harmonic
43	802.11a	100	5469.70	64.44	68.20	-3.76	V	Peak	Pass	-	Band Edge
	802.11a	100	11000.00	41.66	54.00	-12.34	H	Avg.	Pass	-	Harmonic
44	802.11a	116	5385.88	39.52	54.00	-14.48	V	Avg.	Pass	-	Band Edge
	802.11a	116	11160.00	41.65	54.00	-12.35	V	Avg.	Pass	-	Harmonic
45	802.11a	140	5726.65	64.50	68.20	-3.70	V	Peak	Pass	-	Band Edge
	802.11a	140	11400.00	41.86	54.00	-12.14	H	Avg.	Pass	-	Harmonic
46	802.11a	144	5428.78	37.83	54.00	-16.17	V	Avg.	Pass	-	Band Edge
	802.11a	144	11440.00	41.68	54.00	-12.32	H	Avg.	Pass	-	Harmonic
55	802.11ac VHT20	100	5469.40	61.10	68.20	-7.10	V	Peak	Pass	-	Band Edge
	802.11ac VHT20	100	11000.00	41.76	54.00	-12.24	H	Avg.	Pass	-	Harmonic
56	802.11ac VHT20	116	5457.41	39.47	54.00	-14.53	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	116	11160.00	41.74	54.00	-12.26	H	Avg.	Pass	-	Harmonic
57	802.11ac VHT20	140	5727.82	54.91	68.20	-13.29	V	Peak	Pass	-	Band Edge
	802.11ac VHT20	140	11400.00	42.04	54.00	-11.96	H	Avg.	Pass	-	Harmonic
58	802.11ac VHT20	144	5431.51	37.59	54.00	-16.41	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	144	11440.00	41.75	54.00	-12.25	H	Avg.	Pass	-	Harmonic
59	802.11ac VHT40	102	5465.68	65.13	68.20	-3.07	V	Peak	Pass	-	Band Edge
	802.11ac VHT40	102	11020.00	42.18	54.00	-11.82	V	Avg.	Pass	-	Harmonic
60	802.11ac VHT40	110	5459.80	50.95	54.00	-3.05	V	Avg.	Pass	-	Band Edge
	802.11ac VHT40	110	11100.00	41.74	54.00	-12.26	H	Avg.	Pass	-	Harmonic



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
61	802.11ac VHT40	134	5729.47	64.40	68.20	-3.80	V	Peak	Pass	-	Band Edge
	802.11ac VHT40	134	11340.00	41.72	54.00	-12.28	V	Avg.	Pass	-	Harmonic
62	802.11ac VHT40	142	5455.30	38.17	54.00	-15.83	V	Avg.	Pass	-	Band Edge
	802.11ac VHT40	142	11420.00	41.68	54.00	-12.32	V	Avg.	Pass	-	Harmonic
63	802.11ac VHT80	106	5458.54	53.03	54.00	-0.97	V	Avg.	Pass	-	Band Edge
	802.11ac VHT80	106	11060.00	41.89	54.00	-12.11	V	Avg.	Pass	-	Harmonic
64	802.11ac VHT80	122	5725.01	68.08	68.20	-0.12	V	Peak	Pass	-	Band Edge
	802.11ac VHT80	122	11220.00	41.68	54.00	-12.32	H	Avg.	Pass	-	Harmonic
65	802.11ac VHT80	138	5856.70	62.89	68.20	-5.31	V	Peak	Pass	-	Band Edge
	802.11ac VHT80	138	11380.00	41.64	54.00	-12.36	H	Avg.	Pass	-	Harmonic
66	802.11ac VHT160	114	5458.68	53.74	54.00	-0.26	V	Avg.	Pass	-	Band Edge
	802.11ac VHT160	114	11140.00	41.73	54.00	-12.27	V	Avg.	Pass	-	Harmonic
67	802.11ax HE20	100	5469.10	62.51	68.20	-5.69	V	Peak	Pass	Full	Band Edge
	802.11ax HE20	100	11000.00	41.96	54.00	-12.04	H	Avg.	Pass	Full	Harmonic
68	802.11ax HE20	116	5379.21	38.95	54.00	-15.05	V	Avg.	Pass	Full	Band Edge
	802.11ax HE20	116	11160.00	41.74	54.00	-12.26	H	Avg.	Pass	Full	Harmonic
69	802.11ax HE20	140	5725.61	64.84	68.20	-3.36	V	Peak	Pass	Full	Band Edge
	802.11ax HE20	140	11400.00	42.08	54.00	-11.92	V	Avg.	Pass	Full	Harmonic
70	802.11ax HE20	144	5429.95	37.86	54.00	-16.14	V	Avg.	Pass	Full	Band Edge
	802.11ax HE20	144	11440.00	41.60	54.00	-12.40	H	Avg.	Pass	Full	Harmonic
71	802.11ax HE40	102	5464.72	66.47	68.20	-1.73	V	Peak	Pass	Full	Band Edge
	802.11ax HE40	102	11020.00	41.96	54.00	-12.04	V	Avg.	Pass	Full	Harmonic
72	802.11ax HE40	110	5468.80	66.66	68.20	-1.54	V	Peak	Pass	Full	Band Edge
	802.11ax HE40	110	11100.00	41.75	54.00	-12.25	V	Avg.	Pass	Full	Harmonic
73	802.11ax HE40	134	5728.24	65.12	68.20	-3.08	V	Peak	Pass	Full	Band Edge
	802.11ax HE40	134	11340.00	41.70	54.00	-12.30	V	Avg.	Pass	Full	Harmonic
74	802.11ax HE40	142	5454.52	38.44	54.00	-15.56	V	Avg.	Pass	Full	Band Edge
	802.11ax HE40	142	11420.00	41.97	54.00	-12.03	H	Avg.	Pass	Full	Harmonic
75	802.11ax HE80	106	5459.62	52.82	54.00	-1.18	V	Avg.	Pass	Full	Band Edge
	802.11ax HE80	106	11060.00	41.54	54.00	-12.46	H	Avg.	Pass	Full	Harmonic
76	802.11ax HE80	122	5725.79	67.63	68.20	-0.57	V	Peak	Pass	Full	Band Edge
	802.11ax HE80	122	11220.00	41.76	54.00	-12.24	V	Avg.	Pass	Full	Harmonic



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
77	802.11ax HE80	138	5853.10	61.67	68.20	-6.53	V	Peak	Pass	Full	Band Edge
	802.11ax HE80	138	11380.00	41.87	54.00	-12.13	H	Avg.	Pass	Full	Harmonic
78	802.11ax HE160	114	5455.16	52.95	54.00	-1.05	V	Avg.	Pass	Full	Band Edge
	802.11ax HE160	114	11140.00	42.28	54.00	-11.72	V	Avg.	Pass	Full	Harmonic
79	UNII 1~2C Tx	122	194.90	36.84	43.50	-6.66	H	Peak	Pass	-	LF
80	UNII 1~2C Tx	122	38696.77	40.74	54.00	-13.26	V	Avg.	Pass	-	SHF

**<MIMO CDD(NSS = 1)>**

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
127	802.11a	36	5149.76	49.38	54.00	-4.62	V	Avg.	Pass	-	Band Edge
	802.11a	36	15540.00	44.14	54.00	-9.86	V	Avg.	Pass	-	Harmonic
128	802.11a	44	5407.20	45.52	54.00	-8.48	V	Avg.	Pass	-	Band Edge
	802.11a	44	15660.00	44.02	54.00	-9.98	V	Avg.	Pass	-	Harmonic
129	802.11a	48	5431.18	45.81	54.00	-8.19	V	Avg.	Pass	-	Band Edge
	802.11a	48	15720.00	42.15	54.00	-11.85	H	Avg.	Pass	-	Harmonic
135	802.11ac VHT20	36	5147.06	49.24	54.00	-4.76	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	36	15540.00	44.30	54.00	-9.70	V	Avg.	Pass	-	Harmonic
136	802.11ac VHT20	44	5410.80	45.77	54.00	-8.23	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	44	15660.00	44.94	54.00	-9.06	V	Avg.	Pass	-	Harmonic
137	802.11ac VHT20	48	5430.52	46.58	54.00	-7.42	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	48	15720.00	44.81	54.00	-9.19	V	Avg.	Pass	-	Harmonic
138	802.11ac VHT40	38	5149.53	51.23	54.00	-2.77	V	Avg.	Pass	-	Band Edge
	802.11ac VHT40	38	15570.00	42.39	54.00	-11.61	H	Avg.	Pass	-	Harmonic
139	802.11ac VHT40	46	5148.12	53.50	54.00	-0.50	V	Avg.	Pass	-	Band Edge
	802.11ac VHT40	46	15690.00	42.38	54.00	-11.62	V	Avg.	Pass	-	Harmonic
140	802.11ac VHT80	42	5148.89	52.81	54.00	-1.19	V	Avg.	Pass	-	Band Edge
	802.11ac VHT80	42	15630.00	41.87	54.00	-12.13	V	Avg.	Pass	-	Harmonic
141	802.11ac VHT160	50	5138.75	53.42	54.00	-0.58	V	Avg.	Pass	-	Band Edge
	802.11ac VHT160	50	15750.00	42.19	54.00	-11.81	V	Avg.	Pass	-	Harmonic
142	802.11ax HE20	36	5149.94	48.88	54.00	-5.12	V	Avg.	Pass	Full	Band Edge
	802.11ax HE20	36	15540.00	44.04	54.00	-9.96	V	Avg.	Pass	Full	Harmonic
143	802.11ax HE20	44	5412.96	45.45	54.00	-8.55	V	Avg.	Pass	Full	Band Edge
	802.11ax HE20	44	15660.00	43.93	54.00	-10.07	V	Avg.	Pass	Full	Harmonic
144	802.11ax HE20	48	5439.98	46.18	54.00	-7.82	V	Avg.	Pass	Full	Band Edge
	802.11ax HE20	48	15720.00	42.63	54.00	-11.37	H	Avg.	Pass	Full	Harmonic



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
145	802.11ax HE40	38	5148.20	52.60	54.00	-1.40	V	Avg.	Pass	Full	Band Edge
	802.11ax HE40	38	15570.00	43.25	54.00	-10.75	V	Avg.	Pass	Full	Harmonic
146	802.11ax HE40	46	5149.73	52.92	54.00	-1.08	V	Avg.	Pass	Full	Band Edge
	802.11ax HE40	46	15690.00	44.03	54.00	-9.97	V	Avg.	Pass	Full	Harmonic
147	802.11ax HE80	42	5147.84	53.51	54.00	-0.49	V	Avg.	Pass	Full	Band Edge
	802.11ax HE80	42	15630.00	42.38	54.00	-11.62	H	Avg.	Pass	Full	Harmonic
148	802.11ax HE160	50	5138.50	53.15	54.00	-0.85	V	Avg.	Pass	Full	Band Edge
	802.11ax HE160	50	15750.00	42.88	54.00	-11.12	V	Avg.	Pass	Full	Harmonic
149	802.11a	52	5453.20	47.03	54.00	-6.97	V	Avg.	Pass	-	Band Edge
	802.11a	52	15780.00	42.32	54.00	-11.68	H	Avg.	Pass	-	Harmonic
150	802.11a	60	5350.24	49.00	54.00	-5.00	V	Avg.	Pass	-	Band Edge
	802.11a	60	15900.00	42.47	54.00	-11.53	V	Avg.	Pass	-	Harmonic
151	802.11a	64	5350.52	53.41	54.00	-0.59	V	Avg.	Pass	-	Band Edge
	802.11a	64	15960.00	42.77	54.00	-11.23	V	Avg.	Pass	-	Harmonic
157	802.11ac VHT20	52	5449.00	45.60	54.00	-8.40	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	52	15780.00	44.30	54.00	-9.70	V	Avg.	Pass	-	Harmonic
158	802.11ac VHT20	60	5350.72	47.48	54.00	-6.52	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	60	15900.00	43.35	54.00	-10.65	V	Avg.	Pass	-	Harmonic
159	802.11ac VHT20	64	5350.10	53.65	54.00	-0.35	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	64	15960.00	42.80	54.00	-11.20	V	Avg.	Pass	-	Harmonic
160	802.11ac VHT40	54	5350.56	53.11	54.00	-0.89	V	Avg.	Pass	-	Band Edge
	802.11ac VHT40	54	15810.00	41.94	54.00	-12.06	V	Avg.	Pass	-	Harmonic
161	802.11ac VHT40	62	5350.35	53.25	54.00	-0.75	V	Avg.	Pass	-	Band Edge
	802.11ac VHT40	62	15930.00	42.19	54.00	-11.81	V	Avg.	Pass	-	Harmonic
162	802.11ac VHT80	58	5350.18	51.16	54.00	-2.84	V	Avg.	Pass	-	Band Edge
	802.11ac VHT80	58	15870.00	42.04	54.00	-11.96	H	Avg.	Pass	-	Harmonic
163	802.11ax HE20	52	5450.60	44.99	54.00	-9.01	V	Avg.	Pass	Full	Band Edge
	802.11ax HE20	52	15780.00	42.18	54.00	-11.82	V	Avg.	Pass	Full	Harmonic
164	802.11ax HE20	60	5350.08	49.66	54.00	-4.34	V	Avg.	Pass	Full	Band Edge
	802.11ax HE20	60	15900.00	42.64	54.00	-11.36	V	Avg.	Pass	Full	Harmonic
165	802.11ax HE20	64	5350.10	47.80	54.00	-6.20	V	Avg.	Pass	Full	Band Edge
	802.11ax HE20	64	15960.00	42.72	54.00	-11.28	H	Avg.	Pass	Full	Harmonic



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
166	802.11ax HE40	54	5350.18	53.24	54.00	-0.76	V	Avg.	Pass	Full	Band Edge
	802.11ax HE40	54	15810.00	43.03	54.00	-10.97	V	Avg.	Pass	Full	Harmonic
167	802.11ax HE40	62	5350.50	51.40	54.00	-2.60	V	Avg.	Pass	Full	Band Edge
	802.11ax HE40	62	15930.00	42.73	54.00	-11.27	H	Avg.	Pass	Full	Harmonic
168	802.11ax HE80	58	5350.18	53.07	54.00	-0.93	V	Avg.	Pass	Full	Band Edge
	802.11ax HE80	58	15870.00	42.42	54.00	-11.58	H	Avg.	Pass	Full	Harmonic
169	802.11a	100	5470.00	67.00	68.20	-1.20	V	Peak	Pass	-	Band Edge
	802.11a	100	11000.00	41.87	54.00	-12.13	H	Avg.	Pass	-	Harmonic
170	802.11a	116	5388.64	45.17	54.00	-8.83	V	Avg.	Pass	-	Band Edge
	802.11a	116	11160.00	41.89	54.00	-12.11	H	Avg.	Pass	-	Harmonic
171	802.11a	140	5728.15	63.59	68.20	-4.61	V	Peak	Pass	-	Band Edge
	802.11a	140	11400.00	41.86	54.00	-12.14	H	Avg.	Pass	-	Harmonic
172	802.11a	144	5430.34	39.11	54.00	-14.89	V	Avg.	Pass	-	Band Edge
	802.11a	144	11440.00	41.61	54.00	-12.39	H	Avg.	Pass	-	Harmonic
181	802.11ac VHT20	100	5469.55	66.10	68.20	-2.10	V	Peak	Pass	-	Band Edge
	802.11ac VHT20	100	11000.00	41.60	54.00	-12.40	V	Avg.	Pass	-	Harmonic
182	802.11ac VHT20	116	5380.59	43.89	54.00	-10.11	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	116	11160.00	41.69	54.00	-12.31	H	Avg.	Pass	-	Harmonic
183	802.11ac VHT20	140	5725.03	65.85	68.20	-2.35	V	Peak	Pass	-	Band Edge
	802.11ac VHT20	140	11400.00	42.05	54.00	-11.95	V	Avg.	Pass	-	Harmonic
184	802.11ac VHT20	144	5426.83	40.93	54.00	-13.07	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	144	11440.00	43.19	54.00	-10.81	V	Avg.	Pass	-	Harmonic
185	802.11ac VHT40	102	5468.24	64.46	68.20	-3.74	V	Peak	Pass	-	Band Edge
	802.11ac VHT40	102	11020.00	41.74	54.00	-12.26	V	Avg.	Pass	-	Harmonic
186	802.11ac VHT40	110	5469.00	66.85	68.20	-1.35	V	Peak	Pass	-	Band Edge
	802.11ac VHT40	110	11100.00	41.91	54.00	-12.09	H	Avg.	Pass	-	Harmonic
187	802.11ac VHT40	134	5726.62	65.56	68.20	-2.64	V	Peak	Pass	-	Band Edge
	802.11ac VHT40	134	11340.00	41.69	54.00	-12.31	H	Avg.	Pass	-	Harmonic
188	802.11ac VHT40	142	5856.25	52.98	68.20	-15.22	V	Peak	Pass	-	Band Edge
	802.11ac VHT40	142	11420.00	41.61	54.00	-12.39	H	Avg.	Pass	-	Harmonic
189	802.11ac VHT80	106	5459.44	53.57	54.00	-0.43	V	Avg.	Pass	-	Band Edge
	802.11ac VHT80	106	11060.00	41.90	54.00	-12.10	H	Avg.	Pass	-	Harmonic



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
190	802.11ac VHT80	122	5725.01	67.77	68.20	-0.43	V	Peak	Pass	-	Band Edge
	802.11ac VHT80	122	11220.00	41.78	54.00	-12.22	V	Avg.	Pass	-	Harmonic
191	802.11ac VHT80	138	5851.00	66.60	68.20	-1.60	V	Peak	Pass	-	Band Edge
	802.11ac VHT80	138	11380.00	41.72	54.00	-12.28	H	Avg.	Pass	-	Harmonic
192	802.11ac VHT160	114	5441.52	52.69	54.00	-1.31	V	Avg.	Pass	-	Band Edge
	802.11ac VHT160	114	11140.00	41.71	54.00	-12.29	V	Avg.	Pass	-	Harmonic
193	802.11ax HE20	100	5470.00	66.08	68.20	-2.12	V	Peak	Pass	Full	Band Edge
	802.11ax HE20	100	11000.00	41.93	54.00	-12.07	H	Avg.	Pass	Full	Harmonic
194	802.11ax HE20	116	5392.55	45.80	54.00	-8.20	V	Avg.	Pass	Full	Band Edge
	802.11ax HE20	116	11160.00	41.77	54.00	-12.23	V	Avg.	Pass	Full	Harmonic
195	802.11ax HE20	140	5725.42	64.86	68.20	-3.34	V	Peak	Pass	Full	Band Edge
	802.11ax HE20	140	11400.00	40.88	54.00	-13.12	V	Avg.	Pass	Full	Harmonic
196	802.11ax HE20	144	5429.17	39.45	54.00	-14.55	V	Avg.	Pass	Full	Band Edge
	802.11ax HE20	144	11440.00	43.91	54.00	-10.09	V	Avg.	Pass	Full	Harmonic
197	802.11ax HE40	102	5468.56	64.84	68.20	-3.36	V	Peak	Pass	Full	Band Edge
	802.11ax HE40	102	11020.00	42.22	54.00	-11.78	H	Avg.	Pass	Full	Harmonic
198	802.11ax HE40	110	5470.00	67.18	68.20	-1.02	V	Peak	Pass	Full	Band Edge
	802.11ax HE40	110	11100.00	42.41	54.00	-11.59	V	Avg.	Pass	Full	Harmonic
199	802.11ax HE40	134	5727.19	64.96	68.20	-3.24	V	Peak	Pass	Full	Band Edge
	802.11ax HE40	134	11340.00	42.36	54.00	-11.64	H	Avg.	Pass	Full	Harmonic
200	802.11ax HE40	142	5423.71	40.05	54.00	-13.95	V	Avg.	Pass	Full	Band Edge
	802.11ax HE40	142	11420.00	42.02	54.00	-11.98	H	Avg.	Pass	Full	Harmonic
201	802.11ax HE80	106	5459.08	52.19	54.00	-1.81	V	Avg.	Pass	Full	Band Edge
	802.11ax HE80	106	11060.00	41.81	54.00	-12.19	H	Avg.	Pass	Full	Harmonic
202	802.11ax HE80	122	5725.32	67.26	68.20	-0.94	V	Peak	Pass	Full	Band Edge
	802.11ax HE80	122	11220.00	41.65	54.00	-12.35	H	Avg.	Pass	Full	Harmonic
203	802.11ax HE80	138	5850.10	66.13	68.20	-2.07	V	Peak	Pass	Full	Band Edge
	802.11ax HE80	138	11380.00	41.96	54.00	-12.04	H	Avg.	Pass	Full	Harmonic
204	802.11ax HE160	114	5450.32	52.74	54.00	-1.26	V	Avg.	Pass	Full	Band Edge
	802.11ax HE160	114	11140.00	42.14	54.00	-11.86	V	Avg.	Pass	Full	Harmonic
205	UNII 1~2C Tx	64	115.36	37.27	43.50	-6.23	V	Peak	Pass	-	LF
206	UNII 1~2C Tx	64	39563.11	40.66	54.00	-13.34	V	Avg.	Pass	-	SHF



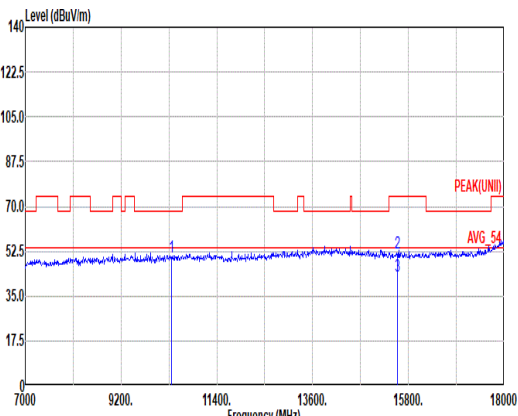
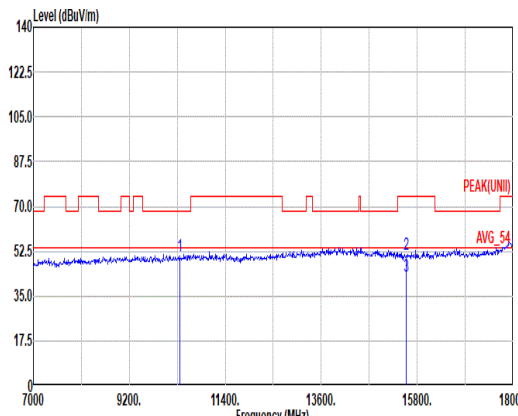
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Mode	Band Edge										
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Pol.	Horizontal										
Peak	Fundamental										
	Fundamental										
Peak	Fundamental										
	Fundamental										
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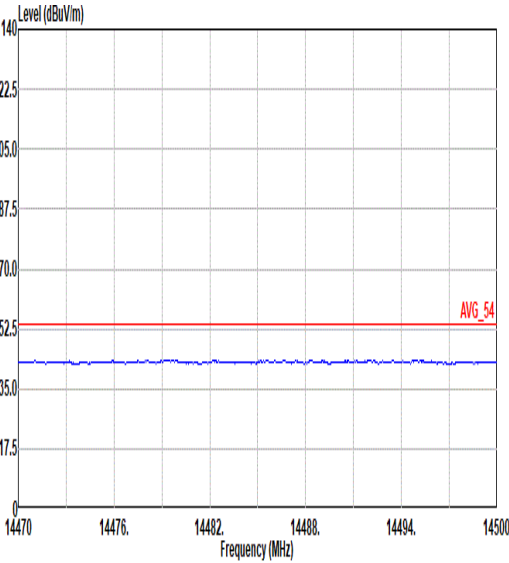
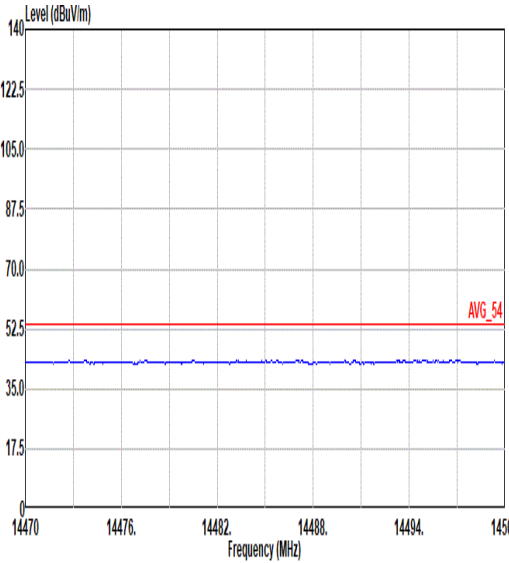
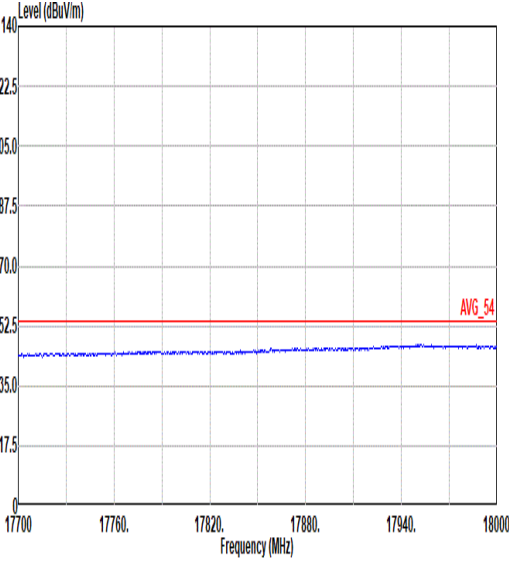
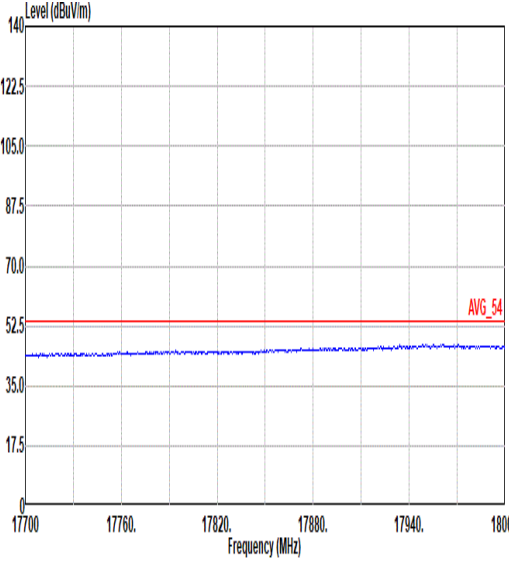


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	Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_91200_02360_231030 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>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></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></tr></thead><tbody><tr><td>1</td><td>5149.58</td><td>61.38</td><td>74.00</td><td>-12.62</td><td>53.35</td><td>32.90</td><td>12.91</td><td>37.78</td><td>0.00</td><td>100</td><td>186</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	cm	deg	1	5149.58	61.38	74.00	-12.62	53.35	32.90	12.91	37.78	0.00	100	186	PEAK	Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91200_02360_231030 VERTICAL : 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>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></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></tr></thead><tbody><tr><td>1</td><td>5180.00</td><td>115.46</td><td>-----</td><td>-----</td><td>107.42</td><td>32.90</td><td>12.94</td><td>37.80</td><td>0.00</td><td>100</td><td>186</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	cm	deg	1	5180.00	115.46	-----	-----	107.42	32.90	12.94	37.80	0.00	100	186
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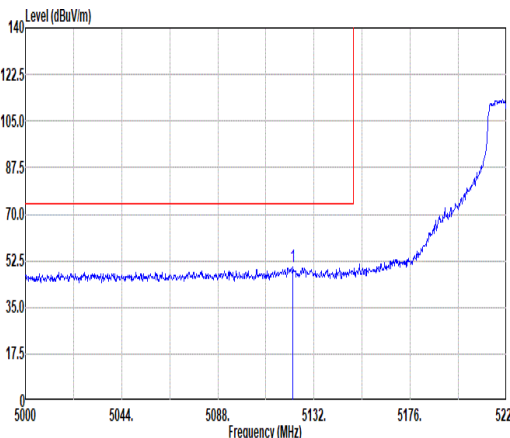
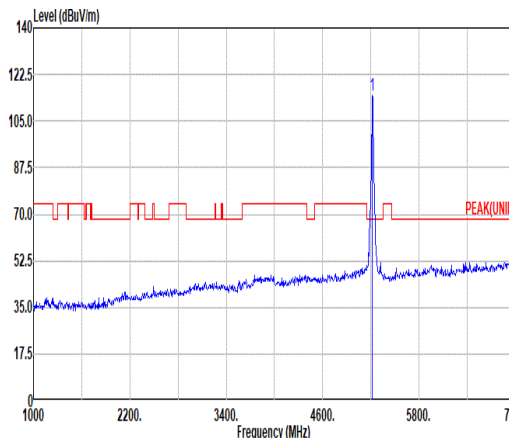
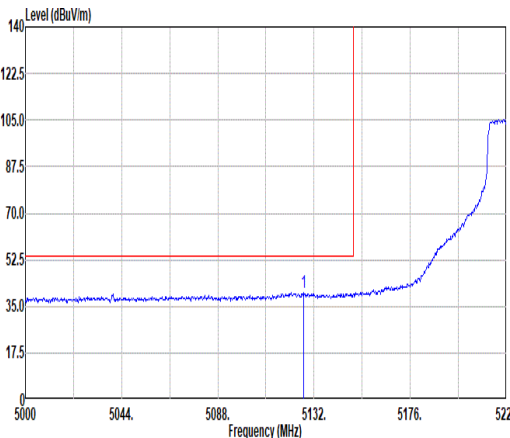
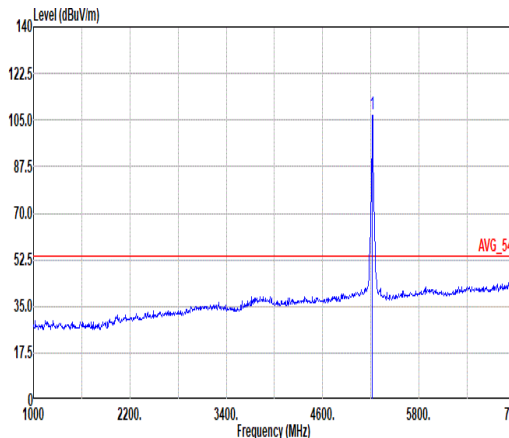


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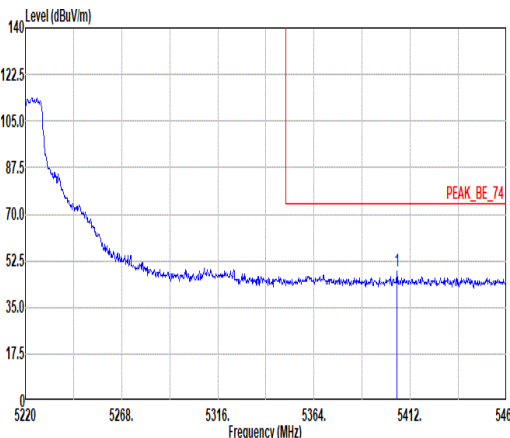
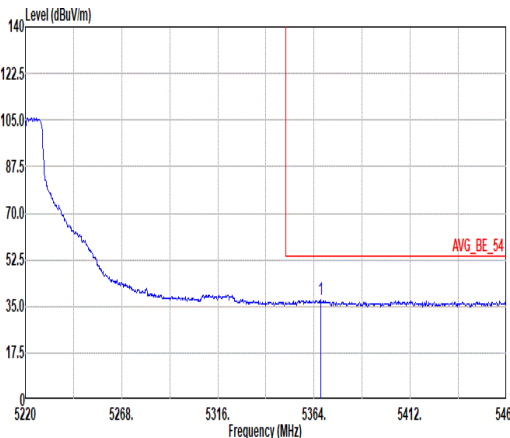


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ANT	0	
Pol.	Horizontal	Vertical
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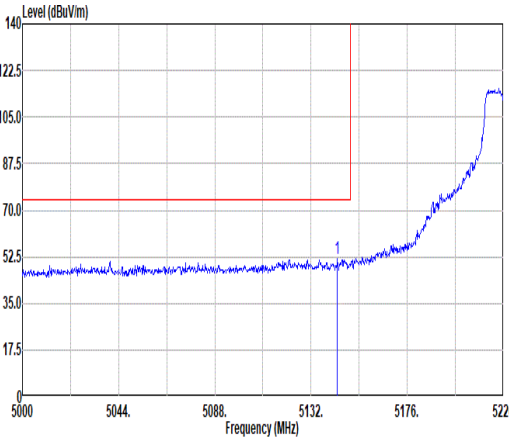
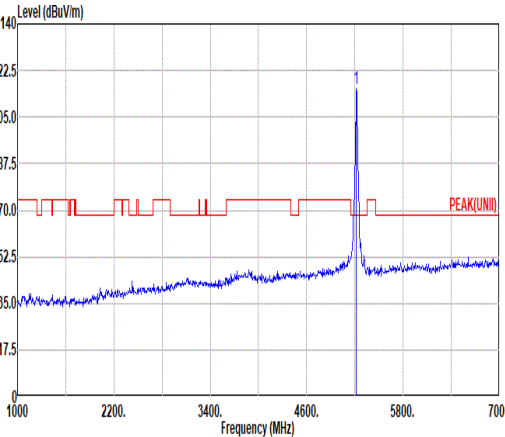
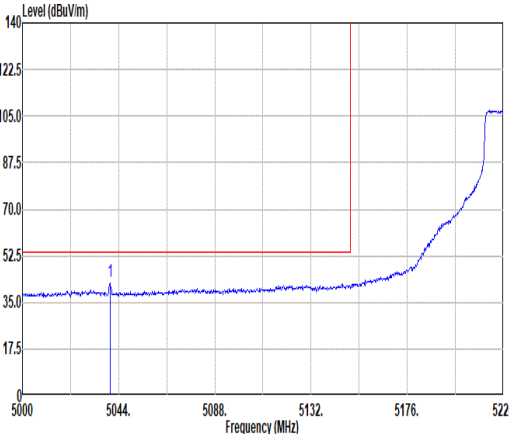
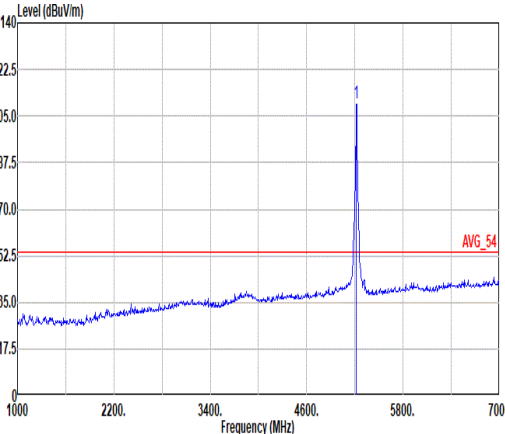


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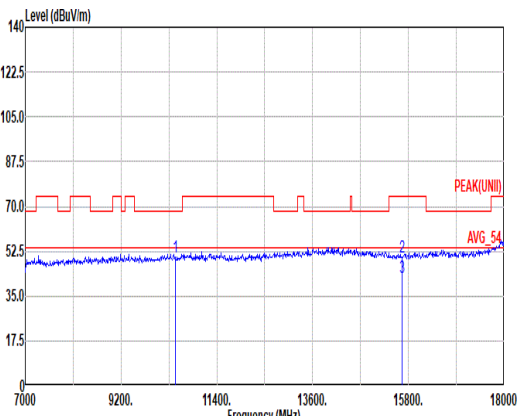
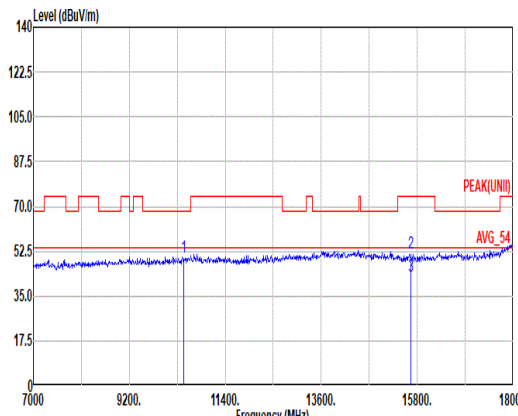


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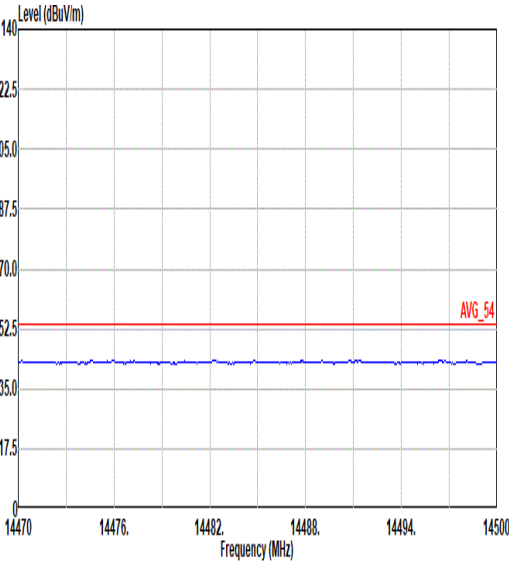
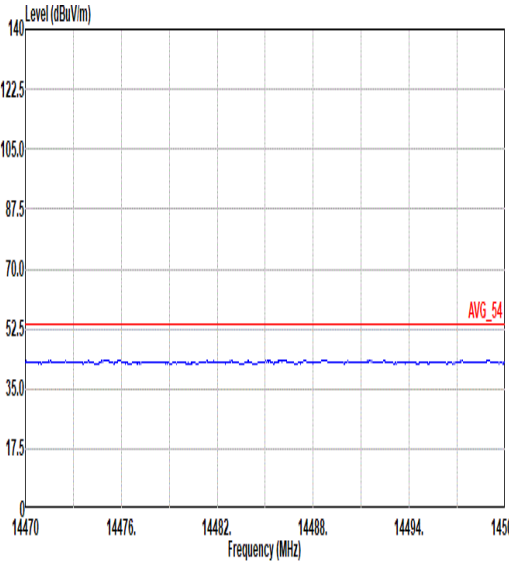
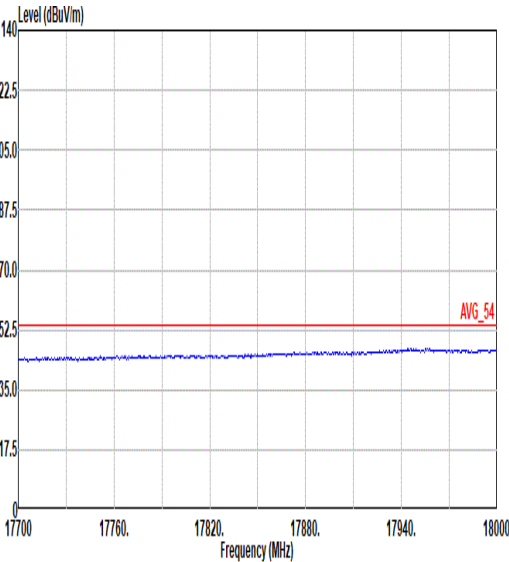
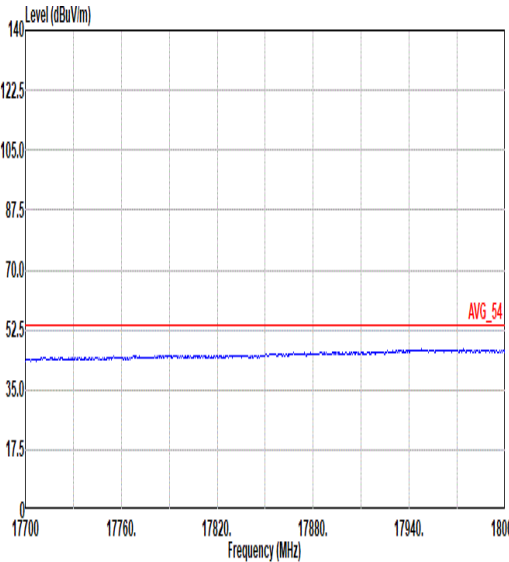


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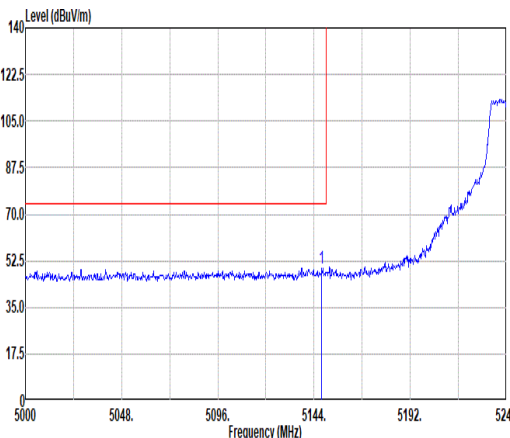
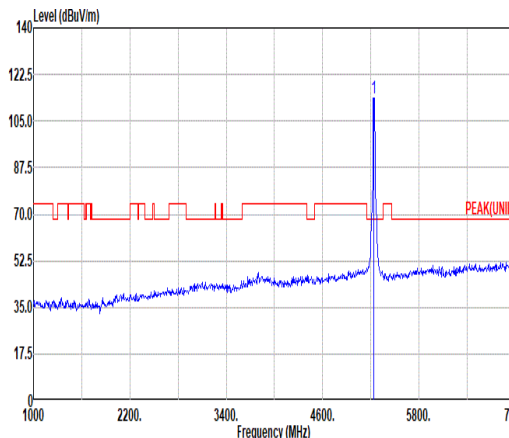
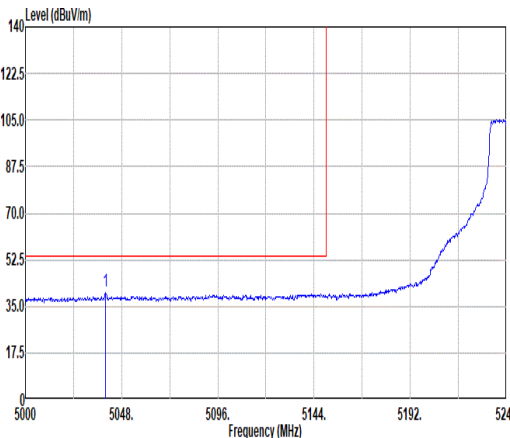
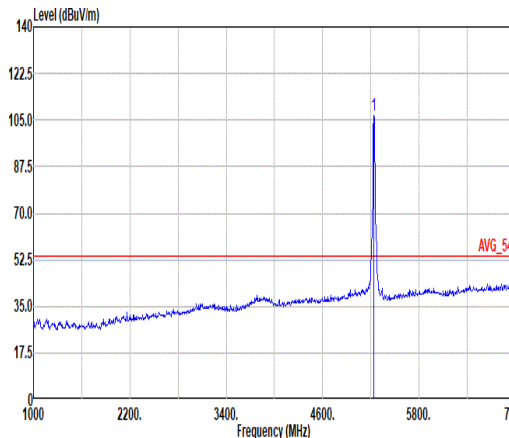


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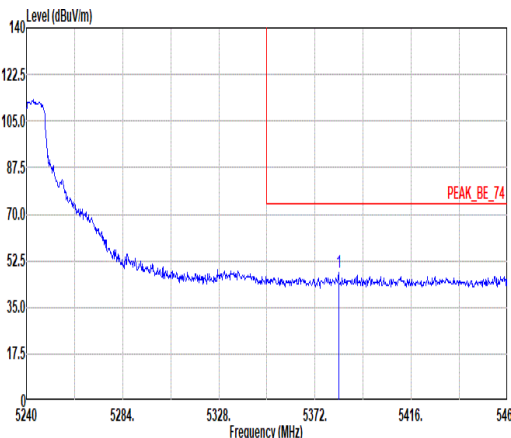
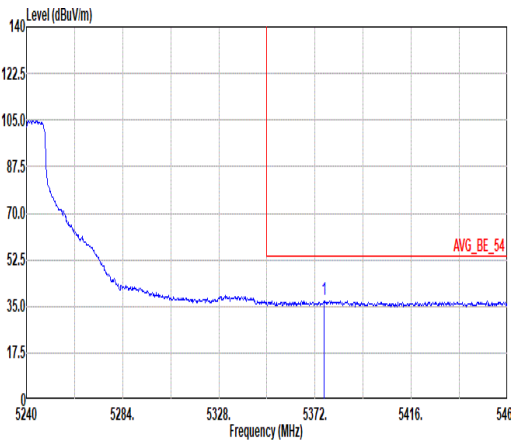


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Pol.	Horizontal	Vertical
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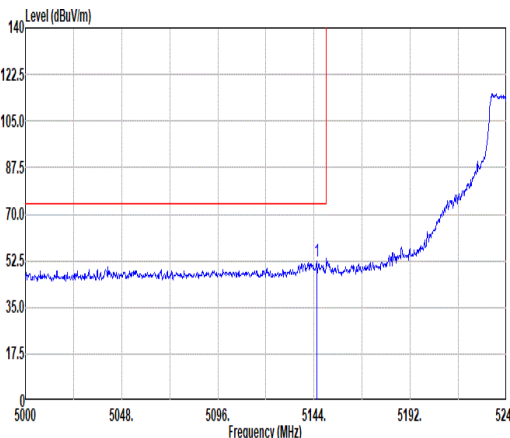
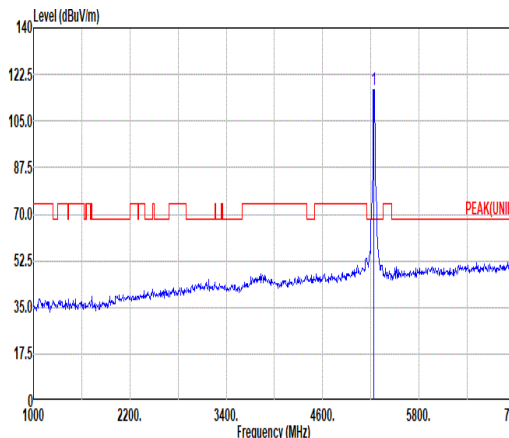
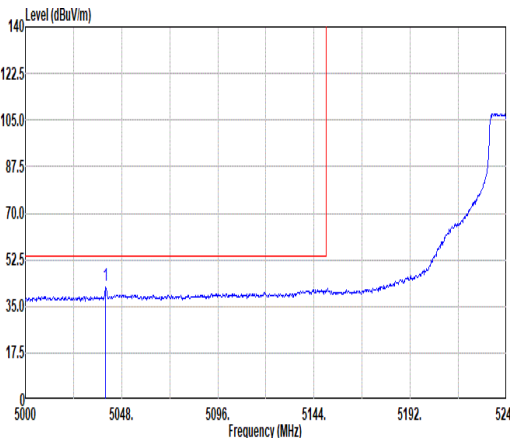
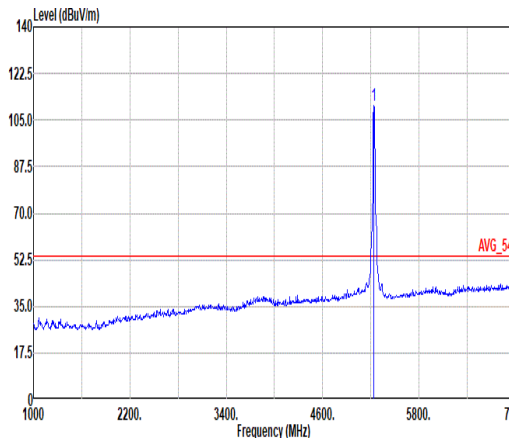


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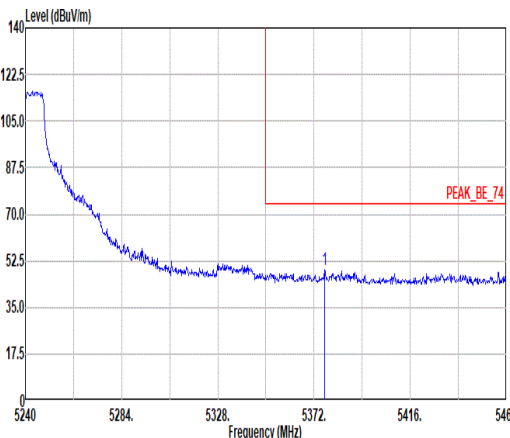
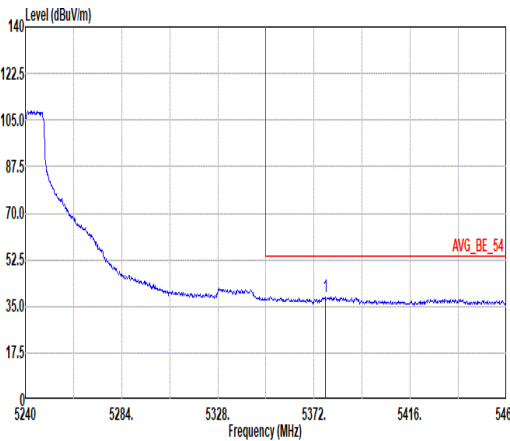


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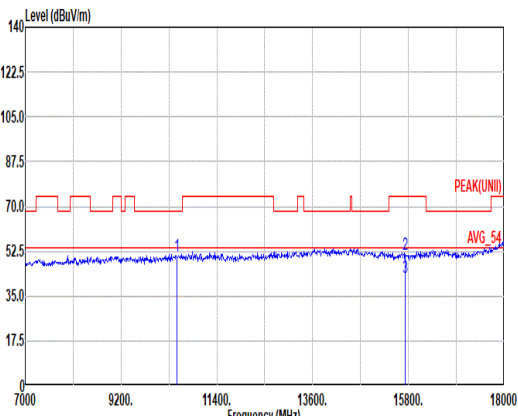
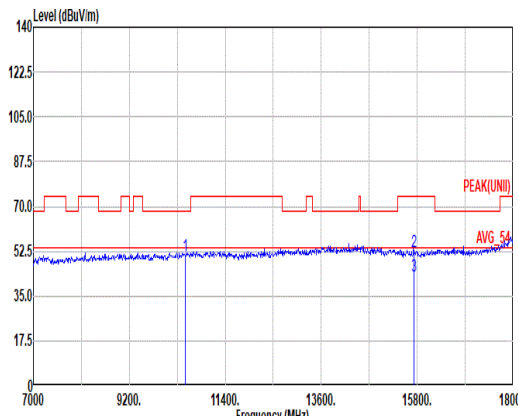


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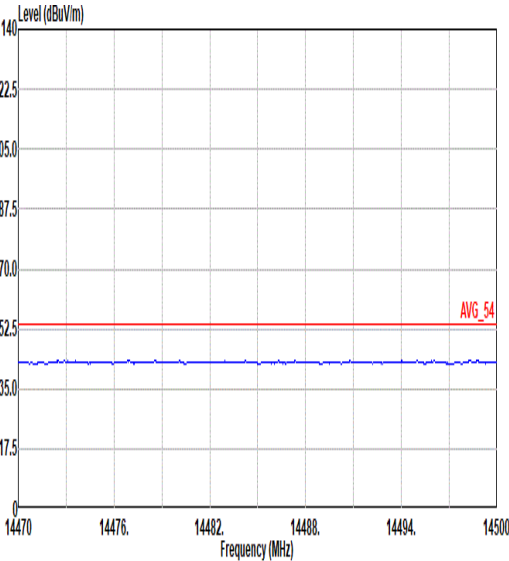
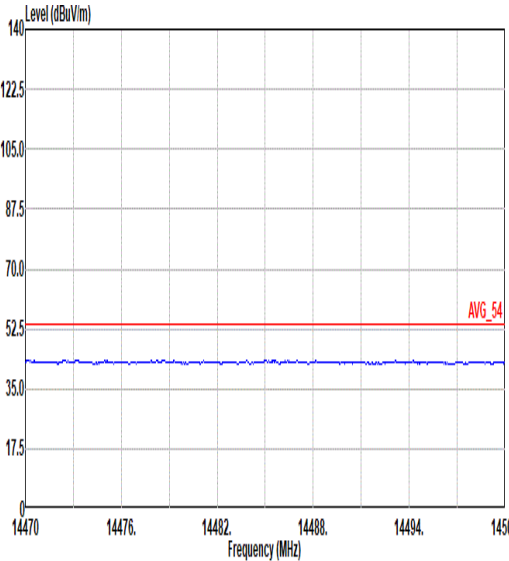
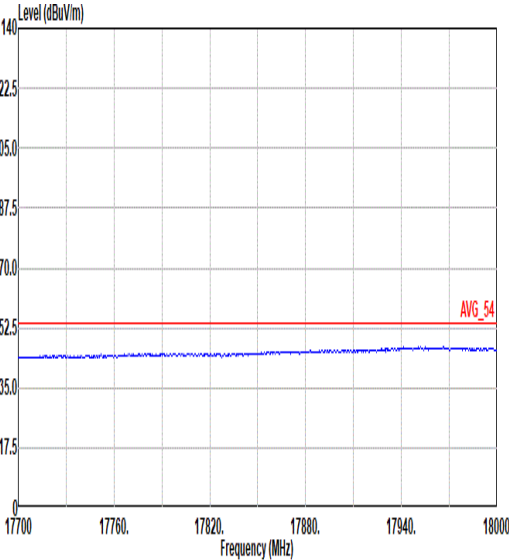
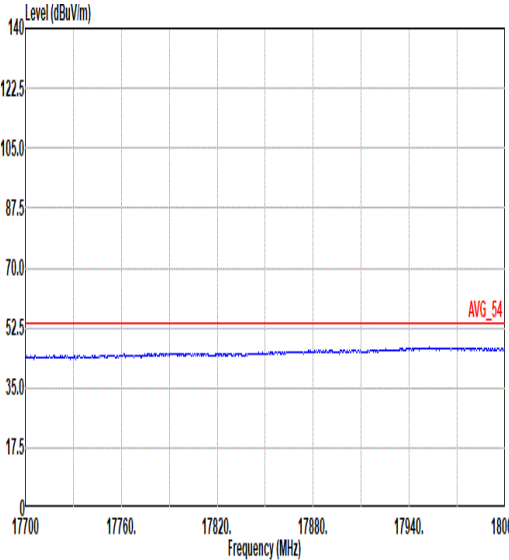


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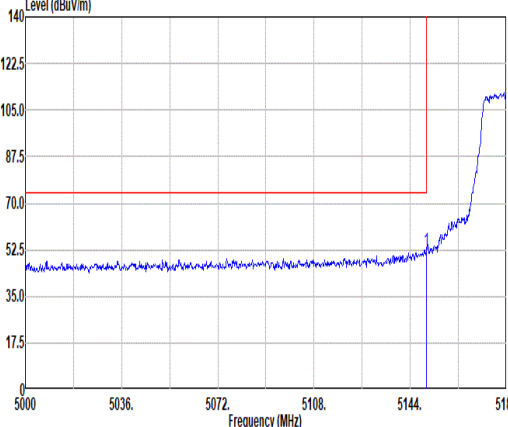
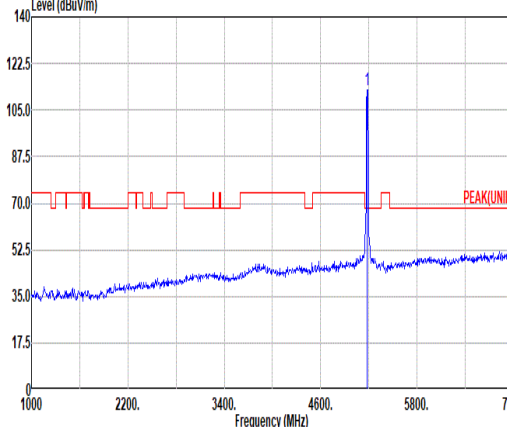
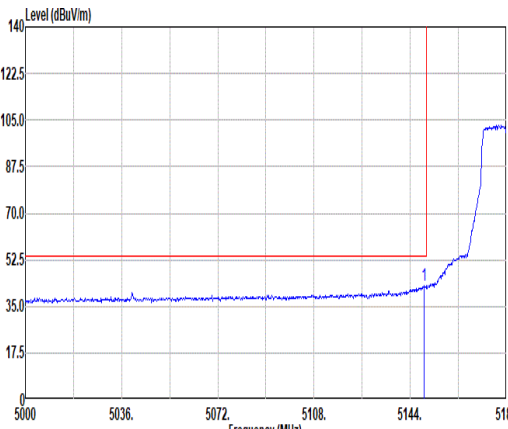
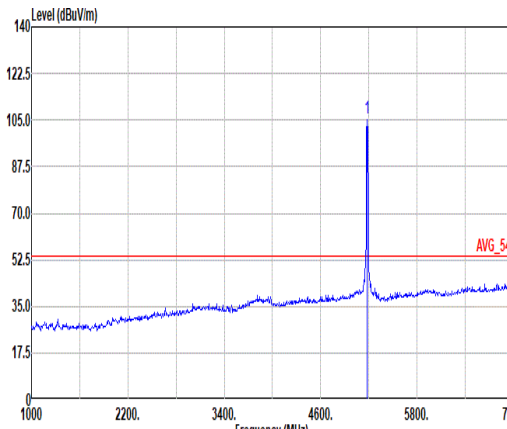


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ANT	0	
Pol.	Horizontal	Vertical
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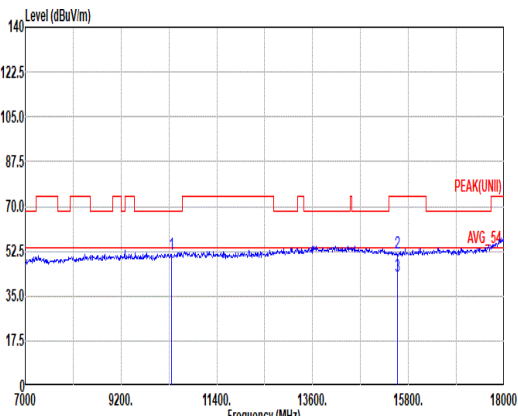
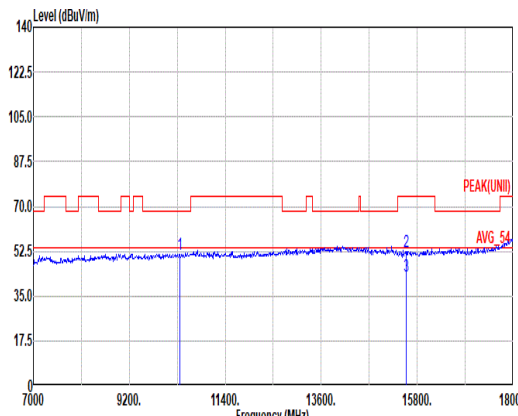


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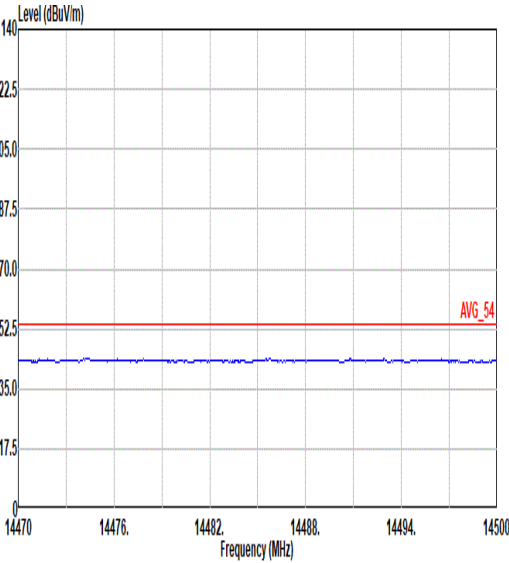
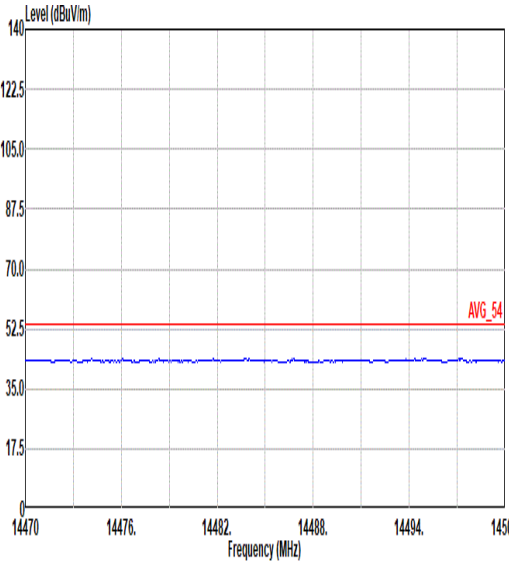
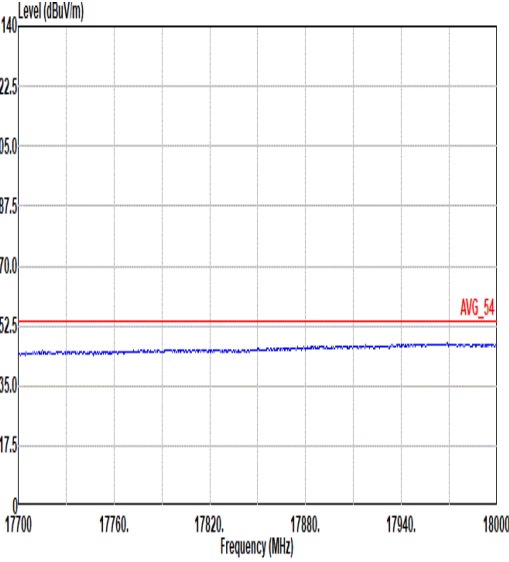
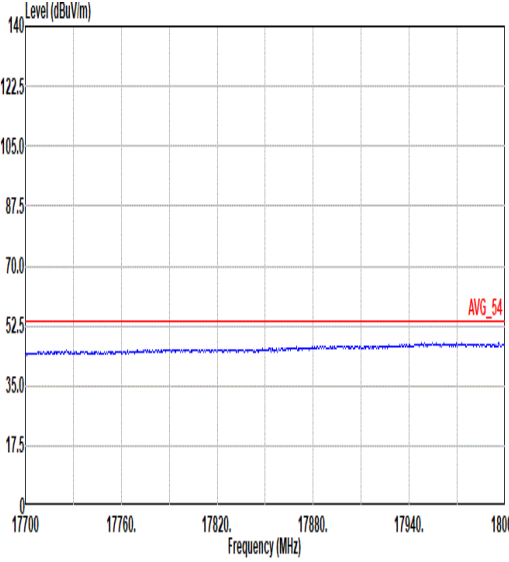


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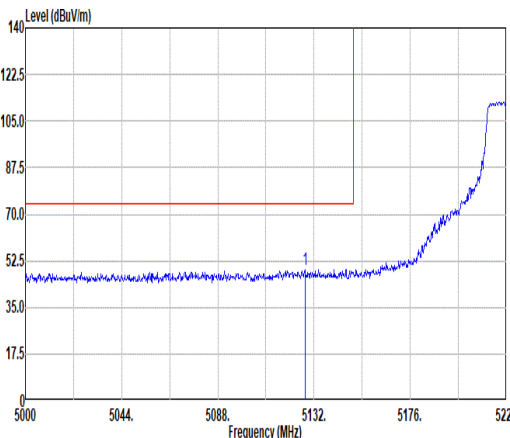
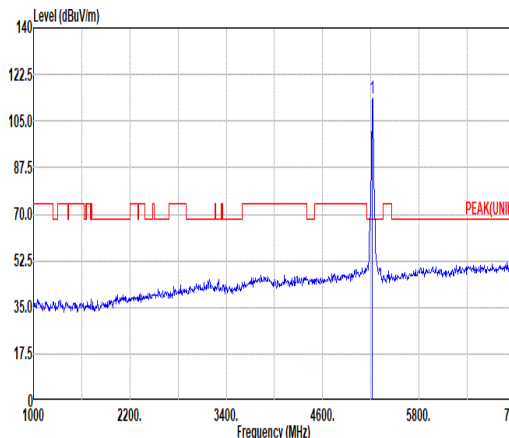
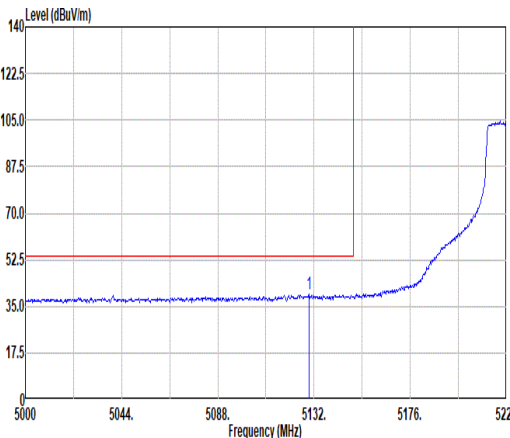
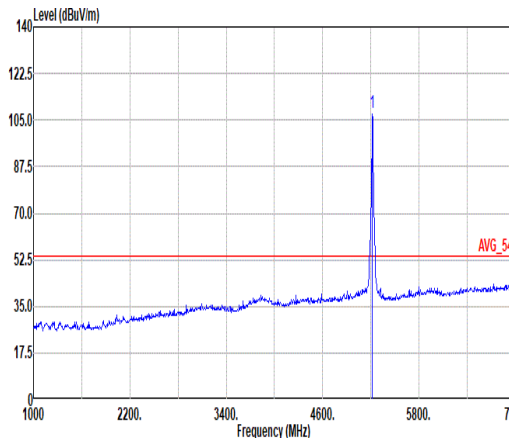


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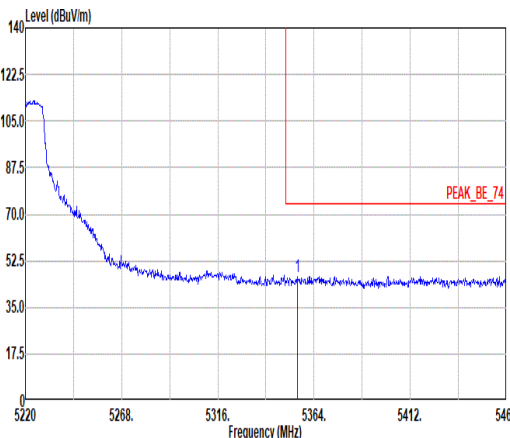
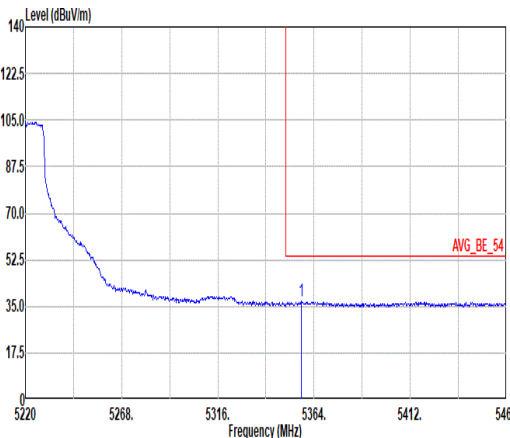


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Pol.	Horizontal	Vertical
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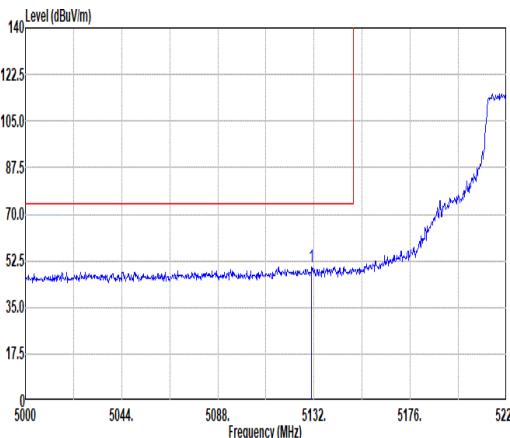
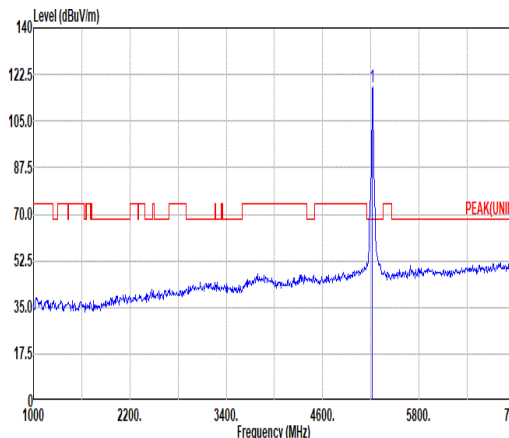
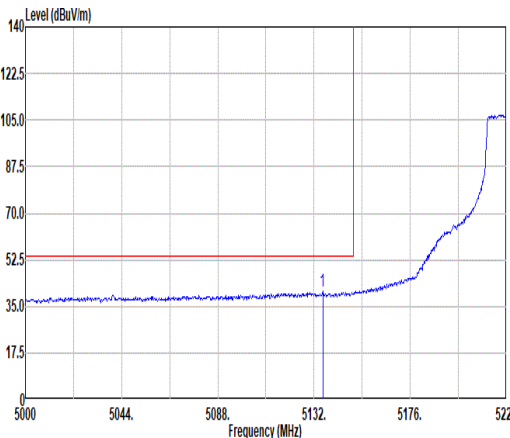
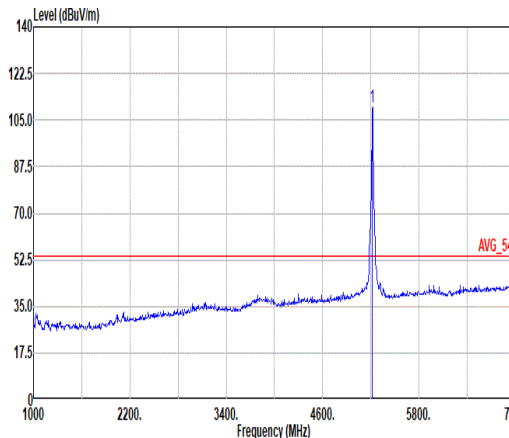


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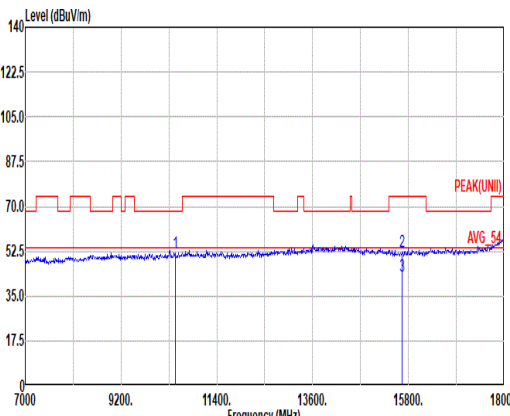
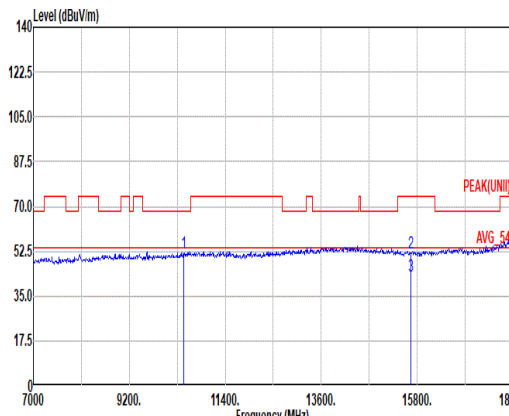


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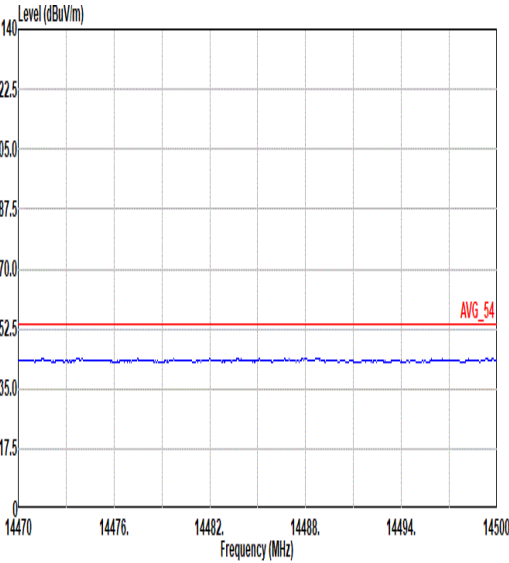
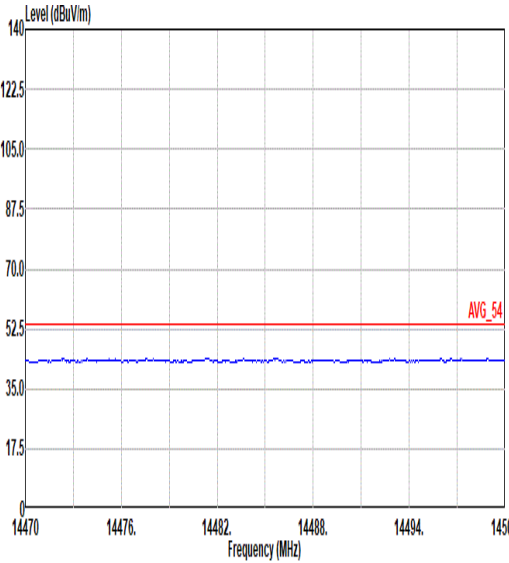
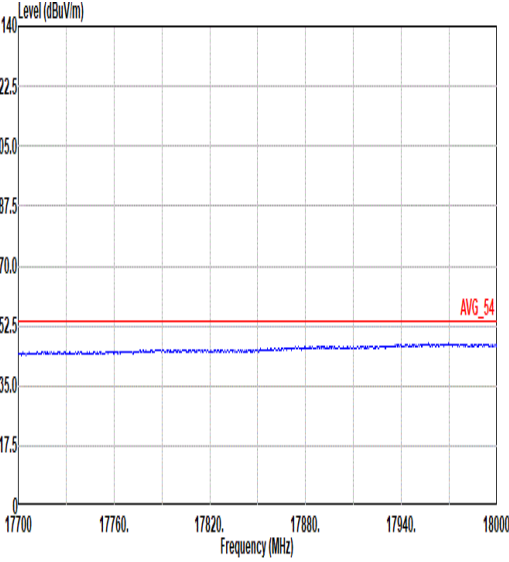
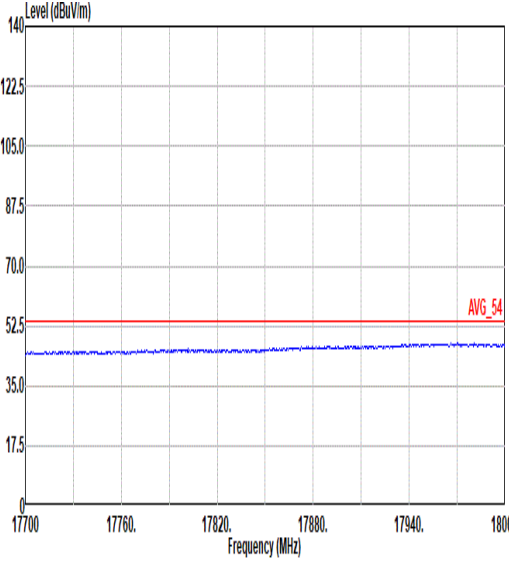


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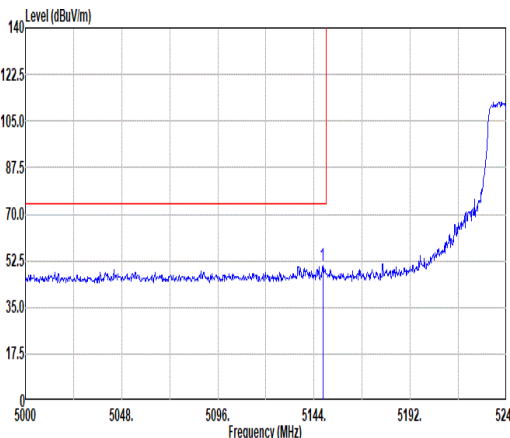
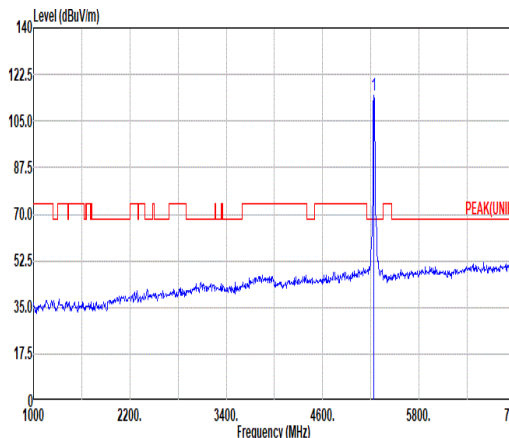
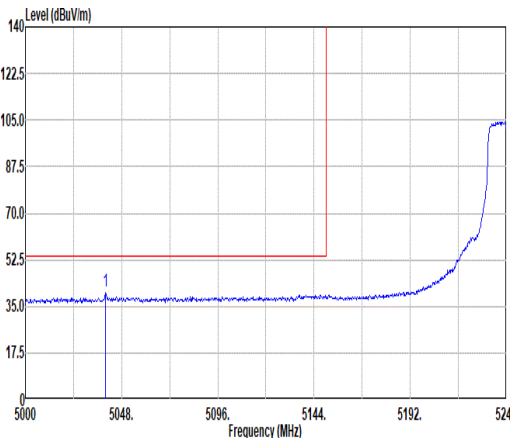
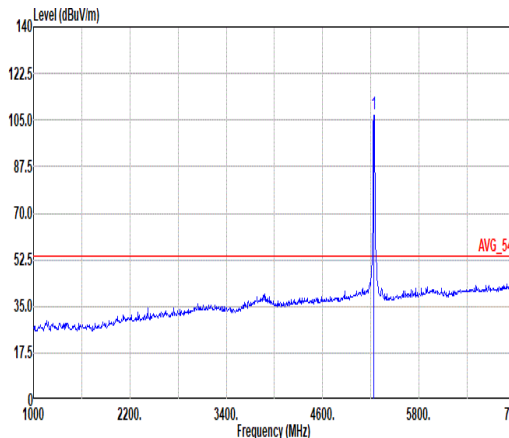


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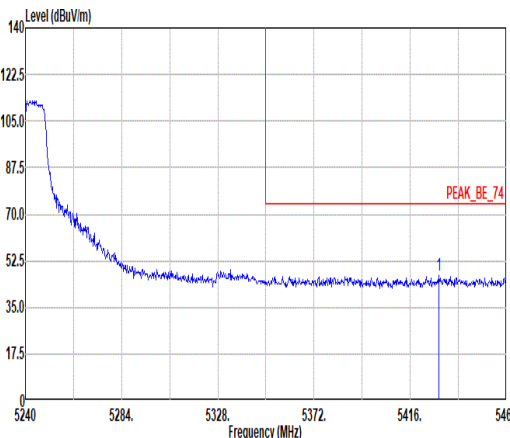
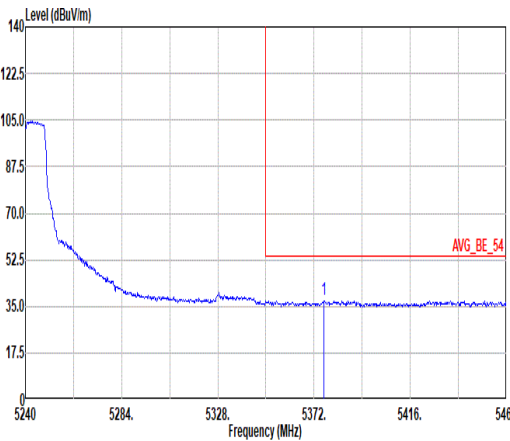


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14.47G ~14.5G Avg	 Site : 03CH20-HY Condition: AVG_54 3m HF_91200_02360_231030 HORIZONTAL	 Site : 03CH20-HY Condition: AVG_54 3m HF_91200_02360_231030 VERTICAL
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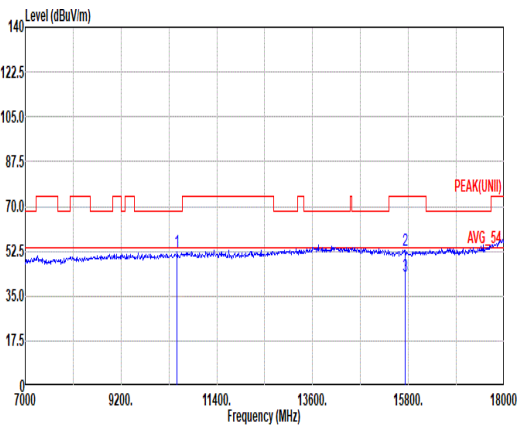
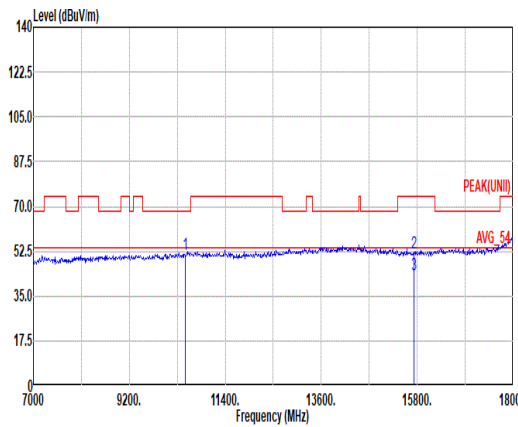


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	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																									
1	5143.52	50.64	74.00	-23.36	42.57	32.93	12.91	37.77	0.00	100	142	PEAK																																																																																							
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1	5240.00	116.45	-----	-----	108.29	32.98	13.02	37.84	0.00	100	142	PEAK																																																																																							
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Peak	Site : 03CH20-HY Condition: PEAK_BE_74 3m HF_91200_02360_231030 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</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>cm</th><th>deg</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</td><td>5390.26</td><td>48.06</td><td>74.00</td><td>-25.94</td><td>40.04</td><td>32.72</td><td>13.25</td><td>37.95</td><td>0.00</td><td>100</td><td>142 PEAK</td></tr></table>						Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor	cm	deg	Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		1	5390.26	48.06	74.00	-25.94	40.04	32.72	13.25	37.95	0.00	100	142 PEAK	Blank					
Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																	
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Avg	Site : 03CH20-HY Condition: AVG_BE_54 3m HF_91200_02360_231030 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</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>cm</th><th>deg</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</td><td>5376.18</td><td>39.05</td><td>54.00</td><td>-14.95</td><td>31.02</td><td>32.75</td><td>13.22</td><td>37.94</td><td>0.00</td><td>100</td><td>142 AVERAGE</td></tr></table>						Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor	cm	deg	Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		1	5376.18	39.05	54.00	-14.95	31.02	32.75	13.22	37.94	0.00	100	142 AVERAGE	Blank					
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Pol.	Horizontal	Vertical																																																																																																																								
Peak Avg	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_231030 HORIZONTAL <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>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></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 deg</th></tr><tr><td>1 10480.00</td><td>52.13</td><td>68.20</td><td>-16.07</td><td>35.96</td><td>38.60</td><td>18.55</td><td>41.49</td><td>0.51</td><td>-- -- PEAK</td></tr><tr><td>2 15720.00</td><td>52.78</td><td>74.00</td><td>-21.22</td><td>35.75</td><td>38.16</td><td>22.96</td><td>44.56</td><td>0.47</td><td>200 193 PEAK</td></tr><tr><td>3 15720.00</td><td>42.91</td><td>54.00</td><td>-11.09</td><td>25.88</td><td>38.16</td><td>22.96</td><td>44.56</td><td>0.47</td><td>200 193 Average</td></tr></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 10480.00	52.13	68.20	-16.07	35.96	38.60	18.55	41.49	0.51	-- -- PEAK	2 15720.00	52.78	74.00	-21.22	35.75	38.16	22.96	44.56	0.47	200 193 PEAK	3 15720.00	42.91	54.00	-11.09	25.88	38.16	22.96	44.56	0.47	200 193 Average	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_231030 VERTICAL <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>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></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 deg</th></tr><tr><td>1 10480.00</td><td>51.10</td><td>68.20</td><td>-17.10</td><td>34.93</td><td>38.60</td><td>18.55</td><td>41.49</td><td>0.51</td><td>-- -- PEAK</td></tr><tr><td>2 15720.00</td><td>51.92</td><td>74.00</td><td>-22.08</td><td>34.09</td><td>38.16</td><td>22.96</td><td>44.56</td><td>0.47</td><td>100 86 PEAK</td></tr><tr><td>3 15720.00</td><td>43.06</td><td>54.00</td><td>-10.94</td><td>26.03</td><td>38.16</td><td>22.96</td><td>44.56</td><td>0.47</td><td>100 86 Average</td></tr></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 10480.00	51.10	68.20	-17.10	34.93	38.60	18.55	41.49	0.51	-- -- PEAK	2 15720.00	51.92	74.00	-22.08	34.09	38.16	22.96	44.56	0.47	100 86 PEAK	3 15720.00	43.06	54.00	-10.94	26.03	38.16	22.96	44.56	0.47	100 86 Average
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