



FCC RADIO TEST REPORT

FCC ID : 2AEM4-17731221
Equipment : Wireless Router
Brand Name : eero
Model Name : ME10001
Applicant : eero LLC
660 3rd St Fl 4, San Francisco, California, 94107, United States
Manufacturer : eero LLC
660 3rd St Fl 4, San Francisco, California, 94107, United States
Standard : FCC Part 15 Subpart E §15.407

The product was received on Aug. 23, 2024 and testing was performed from Aug. 26, 2024 to Oct. 29, 2024. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

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
FR480504D	01	Initial issue of report	Nov. 21, 2024
FR480504D	02	Revise Section 2.1 This report is an updated version, replacing the report issued on Nov. 21, 2024.	Nov. 29, 2024

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	0.11 dB under the limit at 5149.96 MHz
3.5	15.207	AC Conducted Emission	Pass	18.62 dB under the limit at 0.17 MHz
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/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: Avis Chuang

Report Producer: Wilda Wei

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/ac/ax/be, Wi-Fi 5GHz 802.11a/n/ac/ax/be and Wi-Fi 6GHz 802.11ax/be.	
Antenna Type WLAN: <For WLAN (2.4GHz) and WLAN (5GHz)>: <Ant. 1>: Dipole Antenna <Ant. 3>: Dipole Antenna <For WLAN (6GHz)>: <Ant. 2>: Dipole Antenna <Ant. 4>: Dipole Antenna Bluetooth-LE: Dipole Antenna IEEE 802.15.4: Dipole Antenna	

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Ant. 3: 2.77 Ant. 1: 3.30
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	Ant. 3: 3.42 Ant. 1: 3.00
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	Ant. 3: 4.15 Ant. 1: 3.77

Antenna information for Directional Gain		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	<5G_Ant3 + 5G_Ant1> Correlated: 4.38 Uncorrelated: 1.49
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	<5G_Ant3 + 5G_Ant1> Correlated: 4.38 Uncorrelated: 1.49
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	<5G_Ant3 + 5G_Ant1> Correlated: 4.92 Uncorrelated: 2.15

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, 03CH11-HY

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

FCC designation No.: TW3786

1.4 Applicable Standards

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

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

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.
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).
- 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 and 802.11be EHT40.
2. The above Frequency and Channel with "[#]" are 802.11ac VHT80 and 802.11ax HE80 and 802.11be EHT80.
3. The above Frequency and Channel with "@^u" are 802.11ac VHT160 and 802.11ax HE160 and 802.11be EHT160.
4. The EUT supports 240 MHz bandwidth. It operates on channel 122 only.



2.2 Test Mode

According to the manufacturer's design, only chain 0 (Ant. 3) is used in SISO mode.

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

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

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

SISO Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20 (Covered by HT20)	MCS0
802.11ac VHT40 (Covered by HT40)	MCS0
802.11ac VHT80	MCS0
802.11ac VHT160	MCS0
802.11ax HE20 (Covered by EHT20)	MCS0
802.11ax HE40 (Covered by EHT40)	MCS0
802.11ax HE80 (Covered by EHT80)	MCS0
802.11ax HE160 (Covered by EHT160)	MCS0
802.11be EHT20	MCS0
802.11be EHT40	MCS0
802.11be EHT80	MCS0
802.11be EHT160	MCS0
802.11be EHT240	MCS0

**MIMO Mode**

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20 (Covered by HT20)	MCS0
802.11ac VHT40 (Covered by HT40)	MCS0
802.11ac VHT80	MCS0
802.11ac VHT160	MCS0
802.11ax HE20 (Covered by EHT20)	MCS0
802.11ax HE40 (Covered by EHT40)	MCS0
802.11ax HE80 (Covered by EHT80)	MCS0
802.11ax HE160 (Covered by EHT160)	MCS0
802.11be EHT20	MCS0
802.11be EHT40	MCS0
802.11be EHT80	MCS0
802.11be EHT160	MCS0
802.11be EHT240	MCS0



Test Cases	
AC Conducted Emission	Mode 1 : 11be Tx (EHT160) CH50 + LAN Link + AC Adapter (Luxshare_45W_Type A plug) (C310011)

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

BW160	5150-5350 MHz		5470-5725MHz
	802.11ac VHT160		802.11ac VHT160
Ch. #	50		114

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11be EHT20	802.11be EHT20	802.11be EHT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11be EHT40	802.11be EHT40	802.11be EHT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

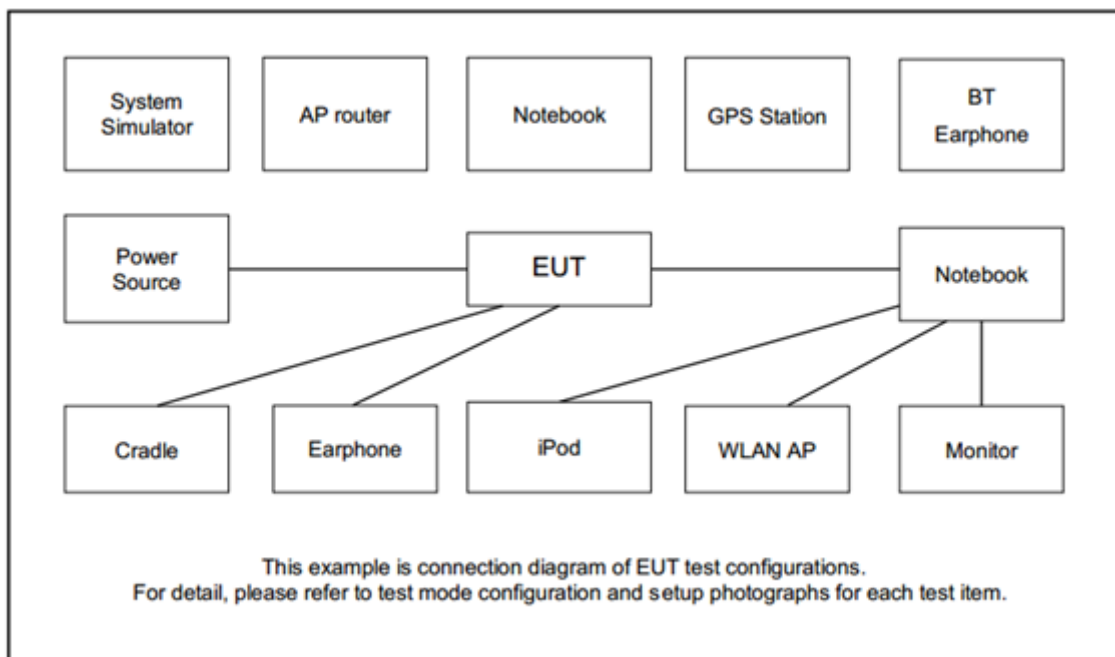
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11be EHT80	802.11be EHT80	802.11be EHT80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

BW160	5150-5350 MHz		5470-5725MHz
	802.11be EHT160		802.11be EHT160
Ch. #	50		114

Ch. #		5470-5725MHz
		802.11be EHT240
L	Low	-
M	Middle	122
H	High	-

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

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	DELL	Latitude 3420	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m



2.5 EUT Operation Test Setup

The RF test items, utility “QSPR Version 6.00.00139.1” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

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

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

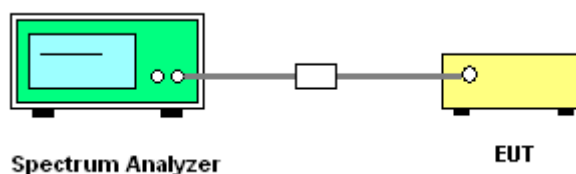
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

■ The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, 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

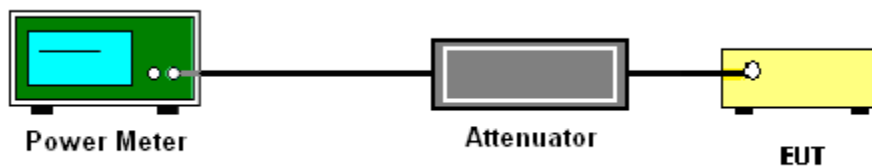
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

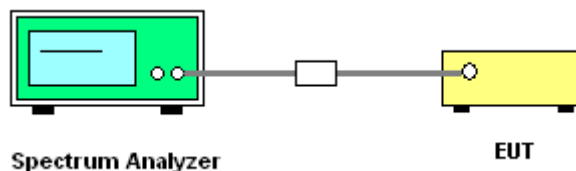
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- 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 (dB μ V/m)
- 27	68.3

(3) KDB789033 D02 v02r01 G)2)c)

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

- RBW = 120 kHz
- VBW = 300 kHz
- Detector = Peak
- Trace mode = max hold

(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

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

(3) Use the following spectrum analyzer settings:

For average measurement:

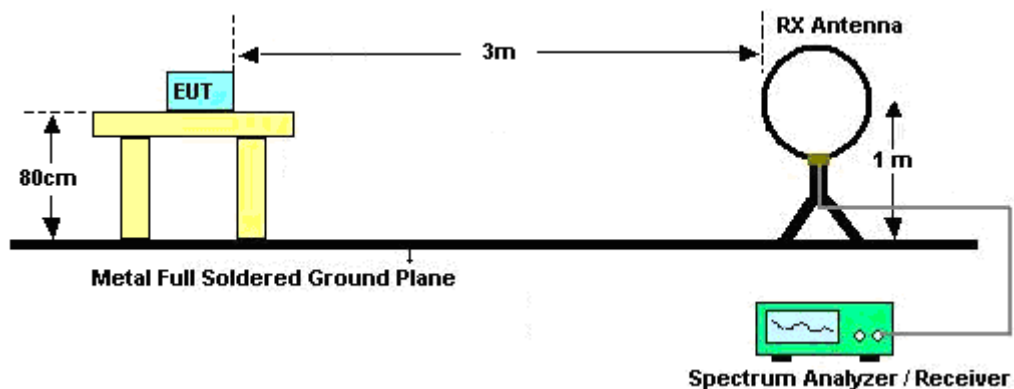
The procedure for method trace averaging is as follows:

- a) RBW = 1 MHz.
 - b) VBW $\geq [3 \times \text{RBW}]$.
 - c) Detector = RMS (power averaging), if $[\text{span} / (\# \text{ of points in sweep})] \leq \text{RBW} / 2$. 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:
 - i. 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.
 - ii. 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.

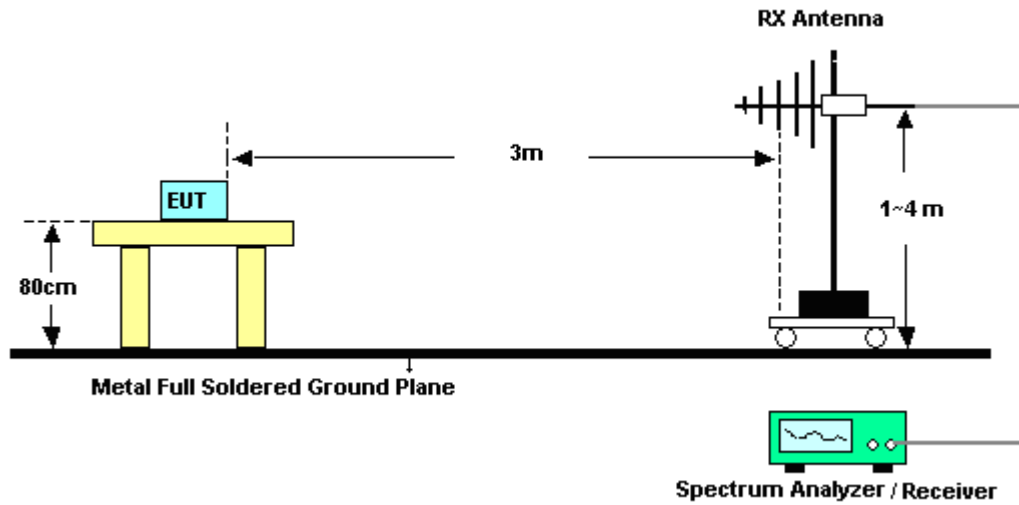
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case 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.
7. 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 “-”.
8. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-”.

3.4.4 Test Setup

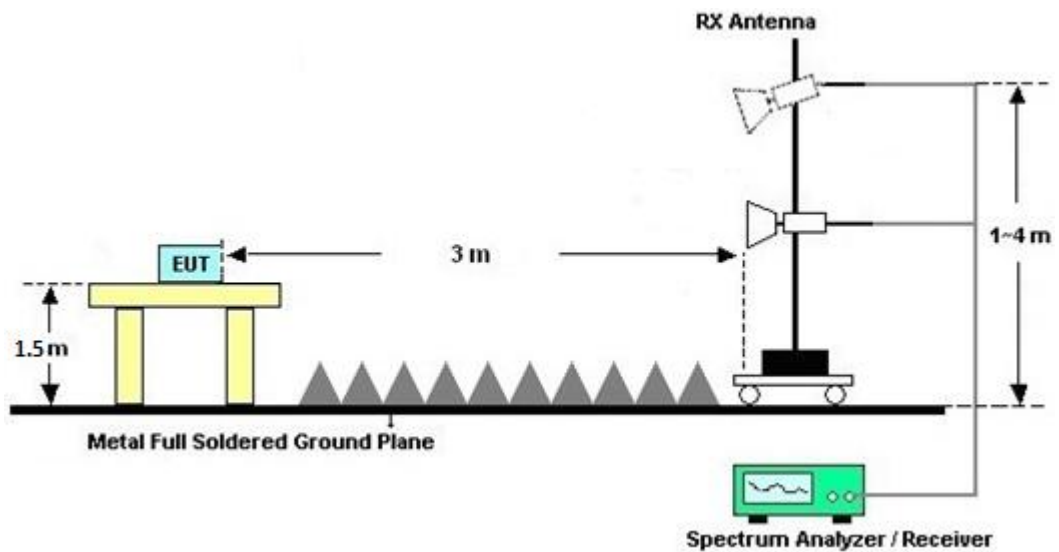
For radiated emissions below 30MHz



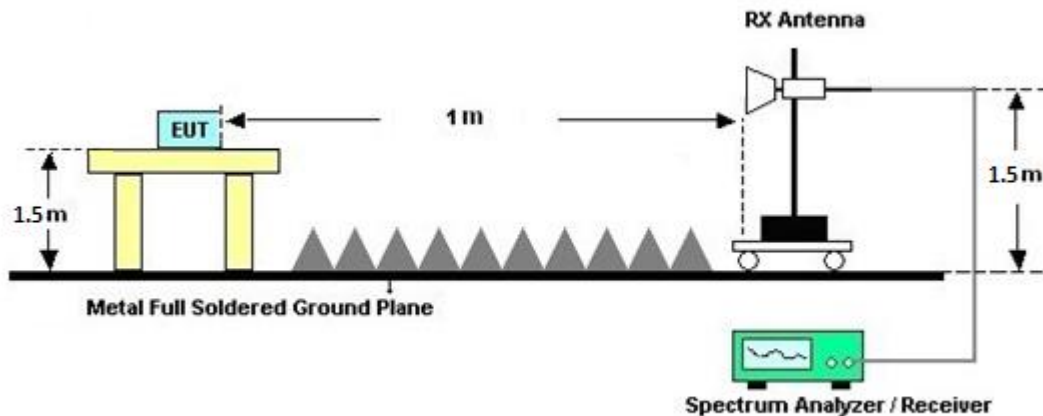
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.4.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix C.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

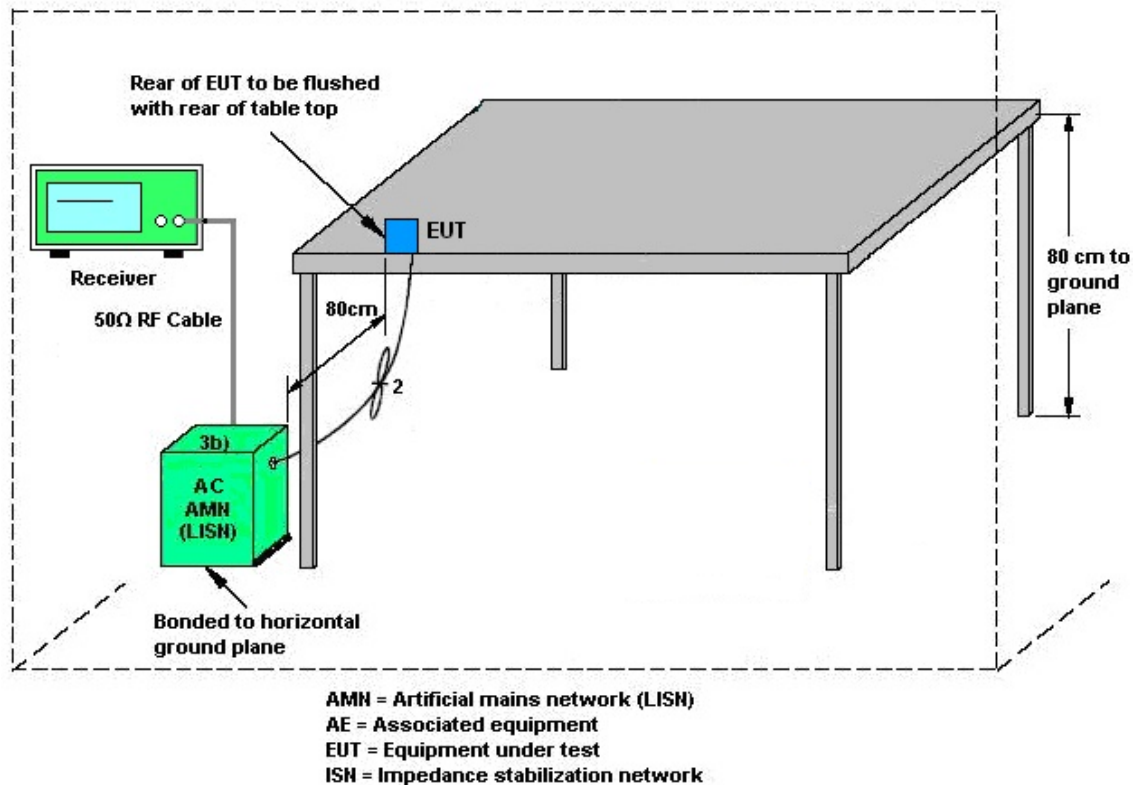
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

Unique (non-standard) antenna connector.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna	TESEQ	CBL 6111D & N-6-06	35414 & AT-N0602	30MHz~1GHz	Oct. 07, 2023.	Aug. 26, 2024~ Oct. 05, 2024	Oct. 06, 2024	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D & N-6-06	35414 & AT-N0602	30MHz~1GHz	Oct. 05, 2024.	Oct. 06, 2024~ Oct. 24, 2024	Oct. 04, 2025	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02038	1GHz~18GHz	Jul. 29, 2024.	Aug. 26, 2024~ Oct. 24, 2024	Jul. 28, 2025	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	00993	18GHz~40GHz	Nov. 24, 2023	Aug. 26, 2024~ Oct. 24, 2024	Nov. 23, 2024	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 08, 2023.	Aug. 26, 2024~ Oct. 24, 2024	Dec. 07, 2024	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Mar. 25, 2024.	Aug. 26, 2024~ Oct. 24, 2024	Mar. 24, 2025	Radiation (03CH11-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055007	1GHz~18GHz	Jun. 13, 2024.	Aug. 26, 2024~ Oct. 24, 2024	Jun. 12, 2025	Radiation (03CH11-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 07, 2024.	Aug. 26, 2024~ Oct. 24, 2024	Dec. 06, 2025	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz~44GHz	Oct. 14, 2024.	Aug. 26, 2024~ Oct. 24, 2024	Oct. 13, 2025	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz~44GHz	May 13, 2024.	Aug. 26, 2024~ Oct. 24, 2024	May 12, 2025	Radiation (03CH11-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY55420170	20MHz~8.4GHz	Jul. 19, 2024.	Aug. 26, 2024~ Oct. 24, 2024	Jul. 18, 2025	Radiation (03CH11-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Aug. 26, 2024~ Oct. 24, 2024	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Aug. 26, 2024~ Oct. 24, 2024	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Aug. 26, 2024~ Oct. 24, 2024	N/A	Radiation (03CH11-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Aug. 26, 2024~ Oct. 24, 2024	N/A	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804013/2	30M~40G	May 23, 2024.	Aug. 26, 2024~ Oct. 24, 2024	May 22, 2025	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz~40GHz	Mar. 06, 2024.	Aug. 26, 2024~ Oct. 24, 2024	Mar. 05, 2025	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 06, 2024.	Aug. 26, 2024~ Oct. 24, 2024	Mar. 05, 2025	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	30M~40G	Mar. 06, 2024.	Aug. 26, 2024~ Oct. 24, 2024	Mar. 05, 2025	Radiation (03CH11-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000-40SS	SN3	6.75GHz High Pass Filter	Sep. 11, 2023.	Aug. 26, 2024~ Sep. 09, 2024	Sep. 10, 2024	Radiation (03CH11-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000-40SS	SN3	6.75GHz High Pass Filter	Sep. 10, 2024.	Sep. 10, 2024~ Oct. 24, 2024	Sep. 09, 2025	Radiation (03CH11-HY)
Filter	Wainwright	WLK4-1000-15 30-8000-40SS	SN11	1.53GHz Low Pass Filter	Sep. 11, 2023.	Aug. 26, 2024~ Sep. 09, 2024	Sep. 10, 2024	Radiation (03CH11-HY)
Filter	Wainwright	WLK4-1000-15 30-8000-40SS	SN11	1.53GHz Low Pass Filter	Sep. 10, 2024.	Sep. 10, 2024~ Oct. 24, 2024	Sep. 09, 2025	Radiation (03CH11-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	Oct. 29, 2024	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Oct. 29, 2024	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-FN	9561-FN00373	9kHz-200MHz	Oct. 23, 2024	Oct. 29, 2024	Oct. 22, 2025	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz-30MHz	Mar. 14, 2024	Oct. 29, 2024	Mar. 13, 2025	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 10, 2024	Oct. 29, 2024	Mar. 09, 2025	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 07, 2024	Oct. 29, 2024	Mar. 06, 2025	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz-3.6GHz	Sep. 23, 2024	Oct. 29, 2024	Sep. 22, 2025	Conduction (CO07-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Aug. 26, 2024~ Oct. 07, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	15I00041SNO 10 (NO:248)	10MHz-6GHz	Jan. 10, 2024	Aug. 26, 2024~ Oct. 07, 2024	Jan. 09, 2025	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz-40GHz	Aug. 23, 2024	Aug. 26, 2024~ Oct. 07, 2024	Aug. 22, 2025	Conducted (TH05-HY)
Switch Control Mainframe	Burgeon	ETF-058	EC1300484 (BOX3)	N/A	May 20, 2024	Aug. 26, 2024~ Oct. 07, 2024	May 19, 2025	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_ version_24082 1	N/A	Conducted Other Test Item	N/A	Aug. 26, 2024~ Oct. 07, 2024	N/A	Conducted (TH05-HY)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.44 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.40 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.10 dB
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Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.30 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.30 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Sylvia Li	Temperature:	21~25	°C
Test Date:	2024/08/26~2024/10/07	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 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	
11a	6Mbps	1	36	5180	17.11	-	22.99	-	-	-	22.33	-	-
11a	6Mbps	1	44	5220	17.42	-	24.06	-	-	-	22.41	-	
11a	6Mbps	1	48	5240	17.38	-	24.04	-	-	-	22.40	-	
HT20	MCS0	1	36	5180	18.18	-	23.49	-	-	-	22.60	-	
HT20	MCS0	1	44	5220	18.41	-	25.46	-	-	-	22.65	-	
HT20	MCS0	1	48	5240	18.43	-	24.96	-	-	-	22.65	-	
HT40	MCS0	1	38	5190	37.49	-	47.95	-	-	-	23.01	-	
HT40	MCS0	1	46	5230	38.05	-	49.22	-	-	-	23.01	-	
VHT80	MCS0	1	42	5210	76.58	-	94.82	-	-	-	23.01	-	
VHT160	MCS0	1	50	5250	156.44	-	175.63	-	-	-	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 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	
11a	6Mbps	2	36	5180	17.10	16.99	23.01	22.35	-	-	22.30	-	-
11a	6Mbps	2	44	5220	17.52	17.67	24.22	26.77	-	-	22.43	-	
11a	6Mbps	2	48	5240	17.45	17.42	24.07	23.95	-	-	22.41	-	
HT20	MCS0	2	36	5180	18.18	18.07	23.37	23.80	-	-	22.57	-	
HT20	MCS0	2	44	5220	18.43	18.52	27.50	31.74	-	-	22.65	-	
HT20	MCS0	2	48	5240	18.44	18.51	24.53	29.86	-	-	22.66	-	
HT40	MCS0	2	38	5190	37.48	37.43	47.14	47.23	-	-	23.01	-	
HT40	MCS0	2	46	5230	37.56	37.63	47.41	47.50	-	-	23.01	-	
VHT80	MCS0	2	42	5210	76.53	76.50	93.73	91.52	-	-	23.01	-	
VHT160	MCS0	2	50	5250	156.44	156.32	176.69	176.83	-	-	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 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
11a	6Mbps	1	36	5180	21.90	-	-	30.00	-	2.77	-	-	Pass
11a	6Mbps	1	44	5220	23.10	-		30.00	-	2.77	-		Pass
11a	6Mbps	1	48	5240	23.00	-		30.00	-	2.77	-		Pass
HT20	MCS0	1	36	5180	21.60	-		30.00	-	2.77	-		Pass
HT20	MCS0	1	44	5220	23.10	-		30.00	-	2.77	-		Pass
HT20	MCS0	1	48	5240	23.00	-		30.00	-	2.77	-		Pass
HT40	MCS0	1	38	5190	19.20	-		30.00	-	2.77	-		Pass
HT40	MCS0	1	46	5230	22.90	-		30.00	-	2.77	-		Pass
VHT20	MCS0	1	36	5180	21.50	-		30.00	-	2.77	-		Pass
VHT20	MCS0	1	44	5220	23.00	-		30.00	-	2.77	-		Pass
VHT20	MCS0	1	48	5240	22.90	-		30.00	-	2.77	-		Pass
VHT40	MCS0	1	38	5190	19.10	-		30.00	-	2.77	-		Pass
VHT40	MCS0	1	46	5230	22.80	-		30.00	-	2.77	-		Pass
VHT80	MCS0	1	42	5210	18.20	-		30.00	-	2.77	-		Pass
VHT160	MCS0	1	50	5250	18.20	-		30.00	-	2.77	-		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 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
11a	6Mbps	2	36	5180	21.80	21.60	24.71	30.00		1.49		-	Pass
11a	6Mbps	2	44	5220	23.30	23.20	26.26	30.00		1.49			Pass
11a	6Mbps	2	48	5240	23.00	23.10	26.06	30.00		1.49			Pass
HT20	MCS0	2	36	5180	21.40	21.20	24.31	30.00		1.49			Pass
HT20	MCS0	2	44	5220	23.40	23.30	26.36	30.00		1.49			Pass
HT20	MCS0	2	48	5240	23.20	23.20	26.21	30.00		1.49			Pass
HT40	MCS0	2	38	5190	18.70	18.80	21.76	30.00		1.49			Pass
HT40	MCS0	2	46	5230	22.00	22.20	25.11	30.00		1.49			Pass
VHT20	MCS0	2	36	5180	21.30	21.10	24.21	30.00		1.49			Pass
VHT20	MCS0	2	44	5220	23.30	23.20	26.26	30.00		1.49			Pass
VHT20	MCS0	2	48	5240	23.10	23.10	26.11	30.00		1.49			Pass
VHT40	MCS0	2	38	5190	18.60	18.70	21.66	30.00		1.49			Pass
VHT40	MCS0	2	46	5230	21.90	22.10	25.01	30.00		1.49			Pass
VHT80	MCS0	2	42	5210	17.90	18.00	20.96	30.00		1.49			Pass
VHT160	MCS0	2	50	5250	17.80	17.90	20.86	30.00		1.49			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 3	Ant 1	Ant 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1	
11a	6Mbps	1	36	5180	0.03	-	10.23	-	-	17.00	-	2.77	-	Pass
11a	6Mbps	1	44	5220	0.03	-	11.13	-		17.00	-	2.77	-	Pass
11a	6Mbps	1	48	5240	0.03	-	11.36	-		17.00	-	2.77	-	Pass
HT20	MCS0	1	36	5180	0.13	-	9.65	-		17.00	-	2.77	-	Pass
HT20	MCS0	1	44	5220	0.13	-	11.00	-		17.00	-	2.77	-	Pass
HT20	MCS0	1	48	5240	0.13	-	11.17	-		17.00	-	2.77	-	Pass
HT40	MCS0	1	38	5190	0.10	-	4.10	-		17.00	-	2.77	-	Pass
HT40	MCS0	1	46	5230	0.10	-	7.95	-		17.00	-	2.77	-	Pass
VHT80	MCS0	1	42	5210	0.11	-	-0.10	-		17.00	-	2.77	-	Pass
VHT160	MCS0	1	50	5250	0.11	-	-2.61	-		17.00	-	2.77	-	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 3	Ant 1	Ant 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1	
11a	6Mbps	2	36	5180	0.04	0.03	-		12.81	17.00		4.38		Pass
11a	6Mbps	2	44	5220	0.04	0.03			14.26	17.00		4.38		Pass
11a	6Mbps	2	48	5240	0.04	0.03			14.29	17.00		4.38		Pass
HT20	MCS0	2	36	5180	0.10	0.10			12.22	17.00		4.38		Pass
HT20	MCS0	2	44	5220	0.10	0.10			14.10	17.00		4.38		Pass
HT20	MCS0	2	48	5240	0.10	0.10			14.21	17.00		4.38		Pass
HT40	MCS0	2	38	5190	0.13	0.15			6.55	17.00		4.38		Pass
HT40	MCS0	2	46	5230	0.13	0.15			9.89	17.00		4.38		Pass
VHT80	MCS0	2	42	5210	0.12	0.10			2.29	17.00		4.38		Pass
VHT160	MCS0	2	50	5250	0.11	0.10			-0.19	17.00		4.38		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 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	
11a	6Mbps	1	52	5260	17.16	-	23.46	-	23.34	-	29.34	-	23.98	-	-
11a	6Mbps	1	60	5300	17.10	-	22.62	-	23.33	-	29.33	-	23.98	-	
11a	6Mbps	1	64	5320	17.07	-	22.62	-	23.32	-	29.32	-	23.98	-	
HT20	MCS0	1	52	5260	18.25	-	24.28	-	23.61	-	29.61	-	23.98	-	
HT20	MCS0	1	60	5300	18.16	-	23.55	-	23.59	-	29.59	-	23.98	-	
HT20	MCS0	1	64	5320	18.14	-	23.50	-	23.59	-	29.59	-	23.98	-	
HT40	MCS0	1	54	5270	37.65	-	48.03	-	23.98	-	30.00	-	23.98	-	
HT40	MCS0	1	62	5310	37.53	-	47.36	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	76.62	-	94.24	-	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 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	
11a	6Mbps	2	52	5260	17.09	17.01	22.62	22.41	23.31		29.31		23.98		-
11a	6Mbps	2	60	5300	17.07	17.01	22.61	22.39	23.31		29.31		23.98		
11a	6Mbps	2	64	5320	17.08	16.98	22.59	22.38	23.30		29.30		23.98		
HT20	MCS0	2	52	5260	18.17	18.07	23.38	23.99	23.57		29.57		23.98		
HT20	MCS0	2	60	5300	18.13	18.07	23.57	23.40	23.57		29.57		23.98		
HT20	MCS0	2	64	5320	18.14	18.06	23.56	23.50	23.57		29.57		23.98		
HT40	MCS0	2	54	5270	37.54	37.50	48.26	46.72	23.98		30.00		23.98		
HT40	MCS0	2	62	5310	37.48	37.44	47.25	47.07	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	76.61	76.64	93.09	93.47	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 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
11a	6Mbps	1	52	5260	22.50	-	-	23.98	-	3.42	-	30	Pass
11a	6Mbps	1	60	5300	22.60	-		23.98	-	3.42	-	30	Pass
11a	6Mbps	1	64	5320	22.20	-		23.98	-	3.42	-	30	Pass
HT20	MCS0	1	52	5260	23.00	-		23.98	-	3.42	-	30	Pass
HT20	MCS0	1	60	5300	22.70	-		23.98	-	3.42	-	30	Pass
HT20	MCS0	1	64	5320	22.20	-		23.98	-	3.42	-	30	Pass
HT40	MCS0	1	54	5270	22.50	-		23.98	-	3.42	-	30	Pass
HT40	MCS0	1	62	5310	17.50	-		23.98	-	3.42	-	30	Pass
VHT20	MCS0	1	52	5260	22.90	-		23.98	-	3.42	-	30	Pass
VHT20	MCS0	1	60	5300	22.60	-		23.98	-	3.42	-	30	Pass
VHT20	MCS0	1	64	5320	22.10	-		23.98	-	3.42	-	30	Pass
VHT40	MCS0	1	54	5270	22.40	-		23.98	-	3.42	-	30	Pass
VHT40	MCS0	1	62	5310	17.40	-		23.98	-	3.42	-	30	Pass
VHT80	MCS0	1	58	5290	18.00	-		23.98	-	3.42	-	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 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
11a	6Mbps	2	52	5260	19.50	19.60	22.56	23.98		1.49		30	Pass
11a	6Mbps	2	60	5300	19.70	19.60	22.66	23.98		1.49		30	Pass
11a	6Mbps	2	64	5320	19.70	19.70	22.71	23.98		1.49		30	Pass
HT20	MCS0	2	52	5260	19.50	19.80	22.66	23.98		1.49		30	Pass
HT20	MCS0	2	60	5300	20.20	20.20	23.21	23.98		1.49		30	Pass
HT20	MCS0	2	64	5320	19.70	19.80	22.76	23.98		1.49		30	Pass
HT40	MCS0	2	54	5270	20.60	20.70	23.66	23.98		1.49		30	Pass
HT40	MCS0	2	62	5310	18.60	18.70	21.66	23.98		1.49		30	Pass
VHT20	MCS0	2	52	5260	19.40	19.70	22.56	23.98		1.49		30	Pass
VHT20	MCS0	2	60	5300	20.10	20.10	23.11	23.98		1.49		30	Pass
VHT20	MCS0	2	64	5320	19.60	19.70	22.66	23.98		1.49		30	Pass
VHT40	MCS0	2	54	5270	20.50	20.60	23.56	23.98		1.49		30	Pass
VHT40	MCS0	2	62	5310	18.50	18.60	21.56	23.98		1.49		30	Pass
VHT80	MCS0	2	58	5290	17.10	17.30	20.21	23.98		1.49		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 3	Ant 1	Ant 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1	
11a	6Mbps	1	52	5260	0.03	-	10.61	-	-	11.00	-	3.42	-	Pass
11a	6Mbps	1	60	5300	0.03	-	10.68	-		11.00	-	3.42	-	Pass
11a	6Mbps	1	64	5320	0.03	-	10.44	-		11.00	-	3.42	-	Pass
HT20	MCS0	1	52	5260	0.13	-	10.83	-		11.00	-	3.42	-	Pass
HT20	MCS0	1	60	5300	0.13	-	10.59	-		11.00	-	3.42	-	Pass
HT20	MCS0	1	64	5320	0.13	-	10.30	-		11.00	-	3.42	-	Pass
HT40	MCS0	1	54	5270	0.10	-	7.47	-		11.00	-	3.42	-	Pass
HT40	MCS0	1	62	5310	0.10	-	2.35	-		11.00	-	3.42	-	Pass
VHT80	MCS0	1	58	5290	0.11	-	-0.34	-		11.00	-	3.42	-	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 3	Ant 1	Ant 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1	
11a	6Mbps	2	52	5260	0.04	0.03	-		10.80	11.00	4.38	-		Pass
11a	6Mbps	2	60	5300	0.04	0.03			10.58	11.00	4.38			Pass
11a	6Mbps	2	64	5320	0.04	0.03			10.77	11.00	4.38			Pass
HT20	MCS0	2	52	5260	0.10	0.10			10.70	11.00	4.38			Pass
HT20	MCS0	2	60	5300	0.10	0.10			10.99	11.00	4.38			Pass
HT20	MCS0	2	64	5320	0.10	0.10			10.65	11.00	4.38			Pass
HT40	MCS0	2	54	5270	0.13	0.15			8.45	11.00	4.38			Pass
HT40	MCS0	2	62	5310	0.13	0.15			6.46	11.00	4.38			Pass
VHT80	MCS0	2	58	5290	0.12	0.10			1.41	11.00	4.38			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 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1
11a	6Mbps	1	100	5500	17.12	-	23.00	-	23.33	-	29.33	-	23.98	-	----	----
11a	6Mbps	1	116	5580	17.08	-	23.03	-	23.33	-	29.33	-	23.98	-	----	----
11a	6Mbps	1	140	5700	17.09	-	23.03	-	23.33	-	29.33	-	23.98	-	----	----
HT20	MCS0	1	100	5500	18.19	-	23.75	-	23.60	-	29.60	-	23.98	-	----	----
HT20	MCS0	1	116	5580	18.17	-	23.08	-	23.59	-	29.59	-	23.98	-	----	----
HT20	MCS0	1	140	5700	18.19	-	23.47	-	23.60	-	29.60	-	23.98	-	----	----
HT40	MCS0	1	102	5510	37.51	-	48.05	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	110	5550	37.68	-	48.18	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	134	5670	37.62	-	48.27	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	106	5530	76.62	-	95.68	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	122	5610	76.78	-	98.24	-	23.98	-	30.00	-	23.98	-	----	----
VHT160	MCS0	1	114	5570	156.58	-	176.83	-	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 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1
11a	6Mbps	2	100	5500	17.07	17.02	22.75	22.52	23.31		29.31		23.98		----	----
11a	6Mbps	2	116	5580	17.06	17.00	22.60	22.66	23.30		29.30		23.98		----	----
11a	6Mbps	2	140	5700	17.08	17.02	22.98	22.56	23.31		29.31		23.98		----	----
HT20	MCS0	2	100	5500	18.16	18.10	23.70	23.48	23.58		29.58		23.98		----	----
HT20	MCS0	2	116	5580	18.13	18.10	23.30	23.67	23.58		29.58		23.98		----	----
HT20	MCS0	2	140	5700	18.15	18.12	23.50	23.59	23.58		29.58		23.98		----	----
HT40	MCS0	2	102	5510	37.51	37.47	47.63	47.01	23.98		30.00		23.98		----	----
HT40	MCS0	2	110	5550	37.53	37.45	47.02	47.34	23.98		30.00		23.98		----	----
HT40	MCS0	2	134	5670	37.55	37.49	47.79	47.15	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	76.62	76.49	96.38	94.88	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	76.61	76.53	94.43	92.70	23.98		30.00		23.98		----	----
VHT160	MCS0	2	114	5570	156.58	156.37	175.30	176.02	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 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1
11a	6Mbps	1	144	5720	13.73	-	17.20	-	23.37	-	29.37	-	23.36	-	3.145	-
HT20	MCS0	1	144	5720	14.20	-	16.98	-	23.62	-	29.62	-	23.30	-	3.77	-
HT40	MCS0	1	142	5710	34.28	-	59.75	-	23.98	-	30.00	-	23.98	-	3.162	-
VHT80	MCS0	1	138	5690	73.86	-	122.87	-	23.98	-	30.00	-	23.98	-	3.16	-
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 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1
11a	6Mbps	2	144	5720	13.62	13.58	16.43	16.22	23.32		29.32		23.10		3.145	3.14
HT20	MCS0	2	144	5720	14.11	14.10	17.21	16.94	23.59		29.59		23.29		3.78	3.775
HT40	MCS0	2	142	5710	33.84	33.86	38.66	39.02	23.98		30.00		23.98		3.162	3.162
VHT80	MCS0	2	138	5690	73.47	73.40	82.52	82.74	23.98		30.00		23.98		3.128	3.16
6dB Bandwidth Limit $\geq$ 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 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
11a	6Mbps	1	100	5500	22.20	-	-	23.98	-	4.15	-	30	Pass
11a	6Mbps	1	116	5580	22.80	-		23.98	-	4.15	-	30	Pass
11a	6Mbps	1	140	5700	21.30	-		23.98	-	4.15	-	30	Pass
HT20	MCS0	1	100	5500	22.30	-		23.98	-	4.15	-	30	Pass
HT20	MCS0	1	116	5580	22.70	-		23.98	-	4.15	-	30	Pass
HT20	MCS0	1	140	5700	20.90	-		23.98	-	4.15	-	30	Pass
HT40	MCS0	1	102	5510	19.20	-		23.98	-	4.15	-	30	Pass
HT40	MCS0	1	110	5550	23.90	-		23.98	-	4.15	-	30	Pass
HT40	MCS0	1	134	5670	21.70	-		23.98	-	4.15	-	30	Pass
VHT20	MCS0	1	100	5500	22.20	-		23.98	-	4.15	-	30	Pass
VHT20	MCS0	1	116	5580	22.60	-		23.98	-	4.15	-	30	Pass
VHT20	MCS0	1	140	5700	20.80	-		23.98	-	4.15	-	30	Pass
VHT40	MCS0	1	102	5510	19.10	-		23.98	-	4.15	-	30	Pass
VHT40	MCS0	1	110	5550	23.80	-		23.98	-	4.15	-	30	Pass
VHT40	MCS0	1	134	5670	21.60	-		23.98	-	4.15	-	30	Pass
VHT80	MCS0	1	106	5530	19.60	-		23.98	-	4.15	-	30	Pass
VHT80	MCS0	1	122	5610	23.20	-		23.98	-	4.15	-	30	Pass
VHT160	MCS0	1	114	5570	20.20	-		23.98	-	4.15	-	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 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
11a	6Mbps	2	100	5500	19.90	20.00	22.96	23.98		2.15		30	Pass
11a	6Mbps	2	116	5580	19.70	19.80	22.76	23.98		2.15		30	Pass
11a	6Mbps	2	140	5700	19.50	19.90	22.71	23.98		2.15		30	Pass
HT20	MCS0	2	100	5500	20.00	20.20	23.11	23.98		2.15		30	Pass
HT20	MCS0	2	116	5580	19.90	20.00	22.96	23.98		2.15		30	Pass
HT20	MCS0	2	140	5700	20.10	20.40	23.26	23.98		2.15		30	Pass
HT40	MCS0	2	102	5510	18.70	19.10	21.91	23.98		2.15		30	Pass
HT40	MCS0	2	110	5550	20.80	21.00	23.91	23.98		2.15		30	Pass
HT40	MCS0	2	134	5670	20.80	20.90	23.86	23.98		2.15		30	Pass
VHT20	MCS0	2	100	5500	19.90	20.10	23.01	23.98		2.15		30	Pass
VHT20	MCS0	2	116	5580	19.90	19.90	22.86	23.98		2.15		30	Pass
VHT20	MCS0	2	140	5700	20.00	20.30	23.16	23.98		2.15		30	Pass
VHT40	MCS0	2	102	5510	18.60	19.00	21.81	23.98		2.15		30	Pass
VHT40	MCS0	2	110	5550	20.70	20.90	23.81	23.98		2.15		30	Pass
VHT40	MCS0	2	134	5670	20.70	20.80	23.76	23.98		2.15		30	Pass
VHT80	MCS0	2	106	5530	18.80	19.00	21.91	23.98		2.15		30	Pass
VHT80	MCS0	2	122	5610	20.90	21.00	23.96	23.98		2.15		30	Pass
VHT160	MCS0	2	114	5570	19.10	19.50	22.31	23.98		2.15		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 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
11a	6Mbps	1	144	5720	22.80	-	-	23.36	-	4.15	-	30	Pass
HT20	MCS0	1	144	5720	22.90	-		23.30	-	4.15	-	30	Pass
HT40	MCS0	1	142	5710	23.70	-		23.98	-	4.15	-	30	Pass
VHT20	MCS0	1	144	5720	22.80	-		23.98	-	4.15	-	30	Pass
VHT40	MCS0	1	142	5710	23.60	-		23.98	-	4.15	-	30	Pass
VHT80	MCS0	1	138	5690	23.30	-		23.98	-	4.15	-	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 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
11a	6Mbps	2	144	5720	19.60	19.80	22.71	23.10		2.15		30	Pass
HT20	MCS0	2	144	5720	20.10	20.40	23.26	23.29		2.15		30	Pass
HT40	MCS0	2	142	5710	20.80	21.10	23.96	23.98		2.15		30	Pass
VHT20	MCS0	2	144	5720	20.00	20.30	23.16	23.98		2.15		30	Pass
VHT40	MCS0	2	142	5710	20.70	21.00	23.86	23.98		2.15		30	Pass
VHT80	MCS0	2	138	5690	20.70	20.80	23.76	23.98		2.15		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 3	Ant 1	Ant 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1	
11a	6Mbps	1	100	5500	0.03	-	10.22	-	-	11.00	-	4.15	-	Pass
11a	6Mbps	1	116	5580	0.03	-	10.94	-		11.00	-	4.15	-	Pass
11a	6Mbps	1	140	5700	0.03	-	9.40	-		11.00	-	4.15	-	Pass
HT20	MCS0	1	100	5500	0.13	-	10.09	-		11.00	-	4.15	-	Pass
HT20	MCS0	1	116	5580	0.13	-	10.81	-		11.00	-	4.15	-	Pass
HT20	MCS0	1	140	5700	0.13	-	8.65	-		11.00	-	4.15	-	Pass
HT40	MCS0	1	102	5510	0.10	-	3.76	-		11.00	-	4.15	-	Pass
HT40	MCS0	1	110	5550	0.10	-	8.23	-		11.00	-	4.15	-	Pass
HT40	MCS0	1	134	5670	0.10	-	6.35	-		11.00	-	4.15	-	Pass
VHT80	MCS0	1	106	5530	0.11	-	1.20	-		11.00	-	4.15	-	Pass
VHT80	MCS0	1	122	5610	0.11	-	4.59	-		11.00	-	4.15	-	Pass
VHT160	MCS0	1	114	5570	0.11	-	-1.10	-		11.00	-	4.15	-	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 3	Ant 1	Ant 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1	
11a	6Mbps	2	100	5500	0.04	0.03	-		10.86	11.00		4.92		Pass
11a	6Mbps	2	116	5580	0.04	0.03			10.88	11.00		4.92		Pass
11a	6Mbps	2	140	5700	0.04	0.03			10.61	11.00		4.92		Pass
HT20	MCS0	2	100	5500	0.10	0.10			10.74	11.00		4.92		Pass
HT20	MCS0	2	116	5580	0.10	0.10			10.68	11.00		4.92		Pass
HT20	MCS0	2	140	5700	0.10	0.10			10.83	11.00		4.92		Pass
HT40	MCS0	2	102	5510	0.13	0.15			6.23	11.00		4.92		Pass
HT40	MCS0	2	110	5550	0.13	0.15			8.08	11.00		4.92		Pass
HT40	MCS0	2	134	5670	0.13	0.15			8.23	11.00		4.92		Pass
VHT80	MCS0	2	106	5530	0.12	0.10			2.95	11.00		4.92		Pass
VHT80	MCS0	2	122	5610	0.12	0.10			5.06	11.00		4.92		Pass
VHT160	MCS0	2	114	5570	0.11	0.10			0.74	11.00		4.92		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 3	Ant 1	Ant 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1	
11a	6Mbps	1	144	5720	0.03	-	10.86	-	-	11.00	-	4.15	-	Pass
HT20	MCS0	1	144	5720	0.13	-	10.61	-		11.00	-	4.15	-	Pass
HT40	MCS0	1	142	5710	0.10	-	8.35	-		11.00	-	4.15	-	Pass
VHT80	MCS0	1	138	5690	0.11	-	5.14	-		11.00	-	4.15	-	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 3	Ant 1	Ant 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1	
11a	6Mbps	2	144	5720	0.04	0.03	-		10.55	11.00		4.92		Pass
HT20	MCS0	2	144	5720	0.10	0.10			10.80	11.00		4.92		Pass
HT40	MCS0	2	142	5710	0.13	0.15			8.36	11.00		4.92		Pass
VHT80	MCS0	2	138	5690	0.12	0.10			5.09	11.00		4.92		Pass

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 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
HE20	MCS0	1	36	5180	Full	21.10	-	-	30.00	-	2.77	-	-	Pass
HE20	MCS0	1	44	5220	Full	23.00	-		30.00	-	2.77	-		Pass
HE20	MCS0	1	48	5240	Full	22.90	-		30.00	-	2.77	-		Pass
HE40	MCS0	1	38	5190	Full	19.50	-		30.00	-	2.77	-		Pass
HE40	MCS0	1	46	5230	Full	22.60	-		30.00	-	2.77	-		Pass
HE80	MCS0	1	42	5210	Full	18.00	-		30.00	-	2.77	-		Pass
HE160	MCS0	1	50	5250	Full	18.50	-		30.00	-	2.77	-		Pass

FCC U-NII-1 MIMO														
Mod.	Data Rate	N _{rx}	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
HE20	MCS0	2	36	5180	Full	20.90	21.00	23.96	30.00		1.49		-	Pass
HE20	MCS0	2	44	5220	Full	23.30	23.40	26.36	30.00		1.49			Pass
HE20	MCS0	2	48	5240	Full	23.10	23.30	26.21	30.00		1.49			Pass
HE40	MCS0	2	38	5190	Full	18.50	18.70	21.61	30.00		1.49			Pass
HE40	MCS0	2	46	5230	Full	21.80	21.90	24.86	30.00		1.49			Pass
HE80	MCS0	2	42	5210	Full	17.70	17.80	20.76	30.00		1.49			Pass
HE160	MCS0	2	50	5250	Full	17.80	17.90	20.86	30.00		1.49			Pass

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 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
HE20	MCS0	1	52	5260	Full	22.90	-	-	23.98	-	3.42	-	30	Pass
HE20	MCS0	1	60	5300	Full	23.00	-		23.98	-	3.42	-	30	Pass
HE20	MCS0	1	64	5320	Full	21.60	-		23.98	-	3.42	-	30	Pass
HE40	MCS0	1	54	5270	Full	22.40	-		23.98	-	3.42	-	30	Pass
HE40	MCS0	1	62	5310	Full	18.40	-		23.98	-	3.42	-	30	Pass
HE80	MCS0	1	58	5290	Full	17.40	-		23.98	-	3.42	-	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 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
HE20	MCS0	2	52	5260	Full	20.10	20.40	23.26	23.98		1.49		30	Pass
HE20	MCS0	2	60	5300	Full	20.30	20.40	23.36	23.98		1.49		30	Pass
HE20	MCS0	2	64	5320	Full	20.30	20.50	23.41	23.98		1.49		30	Pass
HE40	MCS0	2	54	5270	Full	20.40	20.40	23.41	23.98		1.49		30	Pass
HE40	MCS0	2	62	5310	Full	18.40	18.40	21.41	23.98		1.49		30	Pass
HE80	MCS0	2	58	5290	Full	17.50	17.60	20.56	23.98		1.49		30	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 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
HE20	MCS0	1	100	5500	Full	21.60	-	-	23.98	-	4.15	-	30	Pass
HE20	MCS0	1	116	5580	Full	23.10	-		23.98	-	4.15	-	30	Pass
HE20	MCS0	1	140	5700	Full	20.40	-		23.98	-	4.15	-	30	Pass
HE40	MCS0	1	102	5510	Full	19.40	-		23.98	-	4.15	-	30	Pass
HE40	MCS0	1	110	5550	Full	23.50	-		23.98	-	4.15	-	30	Pass
HE40	MCS0	1	134	5670	Full	20.80	-		23.98	-	4.15	-	30	Pass
HE80	MCS0	1	106	5530	Full	18.90	-		23.98	-	4.15	-	30	Pass
HE80	MCS0	1	122	5610	Full	22.70	-		23.98	-	4.15	-	30	Pass
HE160	MCS0	1	114	5570	Full	20.10	-		23.98	-	4.15	-	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 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
HE20	MCS0	2	100	5500	Full	20.50	20.70	23.61	23.98		2.15		30	Pass
HE20	MCS0	2	116	5580	Full	20.30	20.60	23.46	23.98		2.15		30	Pass
HE20	MCS0	2	140	5700	Full	18.50	19.10	21.82	23.98		2.15		30	Pass
HE40	MCS0	2	102	5510	Full	18.00	18.10	21.06	23.98		2.15		30	Pass
HE40	MCS0	2	110	5550	Full	20.70	20.70	23.71	23.98		2.15		30	Pass
HE40	MCS0	2	134	5670	Full	20.40	20.60	23.51	23.98		2.15		30	Pass
HE80	MCS0	2	106	5530	Full	18.70	18.90	21.81	23.98		2.15		30	Pass
HE80	MCS0	2	122	5610	Full	20.40	20.40	23.41	23.98		2.15		30	Pass
HE160	MCS0	2	114	5570	Full	19.10	19.40	22.26	23.98		2.15		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 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
HE20	MCS0	1	144	5720	Full	23.20	-	-	23.98	-	4.15	-	30	Pass
HE40	MCS0	1	142	5710	Full	23.40	-		23.98	-	4.15	-	30	Pass
HE80	MCS0	1	138	5690	Full	23.30	-		23.98	-	4.15	-	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 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
HE20	MCS0	2	144	5720	Full	20.00	20.20	23.11	23.98		2.15		30	Pass
HE40	MCS0	2	142	5710	Full	20.40	20.70	23.56	23.98		2.15		30	Pass
HE80	MCS0	2	138	5690	Full	20.60	20.70	23.66	23.98		2.15		30	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 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1		
EHT20	MCS0	1	36	5180	Full	19.18	-	23.42	-	-	-	22.83	-	-	-
EHT20	MCS0	1	44	5220	Full	19.27	-	25.66	-	-	-	22.85	-		
EHT20	MCS0	1	48	5240	Full	19.27	-	25.64	-	-	-	22.85	-		
EHT40	MCS0	1	38	5190	Full	38.54	-	45.98	-	-	-	23.01	-		
EHT40	MCS0	1	46	5230	Full	38.67	-	46.96	-	-	-	23.01	-		
EHT80	MCS0	1	42	5210	Full	77.84	-	90.69	-	-	-	23.01	-		
EHT160	MCS0	1	50	5250	Full	157.83	-	176.16	-	-	-	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 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1		
EHT20	MCS0	2	36	5180	Full	19.18	19.13	23.24	23.94	-	-	22.82	-	-	-
EHT20	MCS0	2	44	5220	Full	19.30	19.37	28.14	38.14	-	-	22.86	-		
EHT20	MCS0	2	48	5240	Full	19.33	19.30	26.32	32.67	-	-	22.86	-		
EHT40	MCS0	2	38	5190	Full	38.46	38.51	46.34	46.03	-	-	23.01	-		
EHT40	MCS0	2	46	5230	Full	38.53	38.66	46.06	46.59	-	-	23.01	-		
EHT80	MCS0	2	42	5210	Full	77.81	77.79	88.86	89.70	-	-	23.01	-		
EHT160	MCS0	2	50	5250	Full	157.64	157.81	175.06	173.62	-	-	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 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
EHT20	MCS0	1	36	5180	Full	21.20	-	-	30.00	-	2.77	-	-	Pass
EHT20	MCS0	1	44	5220	Full	23.10	-		30.00	-	2.77	-		Pass
EHT20	MCS0	1	48	5240	Full	23.00	-		30.00	-	2.77	-		Pass
EHT40	MCS0	1	38	5190	Full	19.60	-		30.00	-	2.77	-		Pass
EHT40	MCS0	1	46	5230	Full	22.70	-		30.00	-	2.77	-		Pass
EHT80	MCS0	1	42	5210	Full	18.10	-		30.00	-	2.77	-		Pass
EHT160	MCS0	1	50	5250	Full	18.60	-		30.00	-	2.77	-		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 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
EHT20	MCS0	2	36	5180	Full	21.00	21.10	24.06	30.00		1.49		-	Pass
EHT20	MCS0	2	44	5220	Full	23.40	23.50	26.46	30.00		1.49			Pass
EHT20	MCS0	2	48	5240	Full	23.20	23.40	26.31	30.00		1.49			Pass
EHT40	MCS0	2	38	5190	Full	18.60	18.80	21.71	30.00		1.49			Pass
EHT40	MCS0	2	46	5230	Full	21.90	22.00	24.96	30.00		1.49			Pass
EHT80	MCS0	2	42	5210	Full	17.80	17.90	20.86	30.00		1.49			Pass
EHT160	MCS0	2	50	5250	Full	17.90	18.00	20.96	30.00		1.49			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 3	Ant 1	Ant 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1	
EHT20	MCS0	1	36	5180	Full	0.11	-	8.94	-	-	17.00	-	2.77	-	-
EHT20	MCS0	1	44	5220	Full	0.11	-	10.65	-		17.00	-	2.77	-	
EHT20	MCS0	1	48	5240	Full	0.11	-	10.96	-		17.00	-	2.77	-	
EHT40	MCS0	1	38	5190	Full	0.12	-	4.32	-		17.00	-	2.77	-	
EHT40	MCS0	1	46	5230	Full	0.12	-	7.45	-		17.00	-	2.77	-	
EHT80	MCS0	1	42	5210	Full	0.10	-	-0.03	-		17.00	-	2.77	-	
EHT160	MCS0	1	50	5250	Full	0.13	-	-2.26	-		17.00	-	2.77	-	

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 3	Ant 1	Ant 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1	
EHT20	MCS0	2	36	5180	Full	0.10	0.12	-		11.43	17.00		4.38		Pass
EHT20	MCS0	2	44	5220	Full	0.10	0.12			13.80	17.00		4.38		Pass
EHT20	MCS0	2	48	5240	Full	0.10	0.12			13.88	17.00		4.38		Pass
EHT40	MCS0	2	38	5190	Full	0.13	0.13			6.11	17.00		4.38		Pass
EHT40	MCS0	2	46	5230	Full	0.13	0.13			9.48	17.00		4.38		Pass
EHT80	MCS0	2	42	5210	Full	0.12	0.13			2.21	17.00		4.38		Pass
EHT160	MCS0	2	50	5250	Full	0.13	0.10			-0.30	17.00		4.38		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 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	
EHT20	MCS0	1	52	5260	Full	19.20	-	24.30	-	23.83	-	29.83	-	23.98	-	-
EHT20	MCS0	1	60	5300	Full	19.16	-	23.44	-	23.82	-	29.82	-	23.98	-	
EHT20	MCS0	1	64	5320	Full	19.17	-	23.53	-	23.83	-	29.83	-	23.98	-	
EHT40	MCS0	1	54	5270	Full	38.63	-	46.21	-	23.98	-	30.00	-	23.98	-	
EHT40	MCS0	1	62	5310	Full	38.55	-	45.98	-	23.98	-	30.00	-	23.98	-	
EHT80	MCS0	1	58	5290	Full	77.86	-	89.50	-	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 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	
EHT20	MCS0	2	52	5260	Full	19.17	19.19	23.50	24.35	23.83		29.83		23.98	-	
EHT20	MCS0	2	60	5300	Full	19.22	19.14	23.15	23.62	23.82		29.82		23.98		
EHT20	MCS0	2	64	5320	Full	19.16	19.13	23.41	24.44	23.82		29.82		23.98		
EHT40	MCS0	2	54	5270	Full	38.53	38.62	45.60	45.68	23.98		30.00		23.98		
EHT40	MCS0	2	62	5310	Full	38.48	38.55	44.83	45.82	23.98		30.00		23.98		
EHT80	MCS0	2	58	5290	Full	77.85	77.94	92.58	88.93	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 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
EHT20	MCS0	1	52	5260	Full	23.00	-	-	23.98	-	3.42	-	30	Pass
EHT20	MCS0	1	60	5300	Full	23.10	-		23.98	-	3.42	-	30	Pass
EHT20	MCS0	1	64	5320	Full	21.70	-		23.98	-	3.42	-	30	Pass
EHT40	MCS0	1	54	5270	Full	22.50	-		23.98	-	3.42	-	30	Pass
EHT40	MCS0	1	62	5310	Full	18.50	-		23.98	-	3.42	-	30	Pass
EHT80	MCS0	1	58	5290	Full	17.50	-		23.98	-	3.42	-	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 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
EHT20	MCS0	2	52	5260	Full	20.20	20.50	23.36	23.98		1.49		30	Pass
EHT20	MCS0	2	60	5300	Full	20.40	20.50	23.46	23.98		1.49		30	Pass
EHT20	MCS0	2	64	5320	Full	20.40	20.60	23.51	23.98		1.49		30	Pass
EHT40	MCS0	2	54	5270	Full	20.50	20.50	23.51	23.98		1.49		30	Pass
EHT40	MCS0	2	62	5310	Full	18.50	18.50	21.51	23.98		1.49		30	Pass
EHT80	MCS0	2	58	5290	Full	17.60	17.70	20.66	23.98		1.49		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 3	Ant 1	Ant 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
EHT20	MCS0	1	52	5260	Full	0.11	-	10.54	-	-	11.00	-	3.42	-	-	Pass
EHT20	MCS0	1	60	5300	Full	0.11	-	10.67	-		11.00	-	3.42	-		Pass
EHT20	MCS0	1	64	5320	Full	0.11	-	9.52	-		11.00	-	3.42	-		Pass
EHT40	MCS0	1	54	5270	Full	0.12	-	7.12	-		11.00	-	3.42	-		Pass
EHT40	MCS0	1	62	5310	Full	0.12	-	2.95	-		11.00	-	3.42	-		Pass
EHT80	MCS0	1	58	5290	Full	0.10	-	-0.96	-		11.00	-	3.42	-		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 3	Ant 1	Ant 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1	
EHT20	MCS0	2	52	5260	Full	0.10	0.12	-	-	10.88	11.00	4.38		-	Pass
EHT20	MCS0	2	60	5300	Full	0.10	0.12			10.65	11.00	4.38			Pass
EHT20	MCS0	2	64	5320	Full	0.10	0.12			10.90	11.00	4.38			Pass
EHT40	MCS0	2	54	5270	Full	0.13	0.13			8.21	11.00	4.38			Pass
EHT40	MCS0	2	62	5310	Full	0.13	0.13			5.93	11.00	4.38			Pass
EHT80	MCS0	2	58	5290	Full	0.12	0.13			1.96	11.00	4.38			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C single antenna																	
Mod.	Data Rate	N _{rx}	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 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1
EHT20	MCS0	1	100	5500	Full	19.18	-	23.25	-	23.83	-	29.83	-	23.98	-	----	----
EHT20	MCS0	1	116	5580	Full	19.19	-	23.81	-	23.83	-	29.83	-	23.98	-	----	----
EHT20	MCS0	1	140	5700	Full	19.16	-	23.39	-	23.82	-	29.82	-	23.98	-	----	----
EHT40	MCS0	1	102	5510	Full	38.53	-	45.86	-	23.98	-	30.00	-	23.98	-	----	----
EHT40	MCS0	1	110	5550	Full	38.63	-	46.27	-	23.98	-	30.00	-	23.98	-	----	----
EHT40	MCS0	1	134	5670	Full	38.57	-	45.66	-	23.98	-	30.00	-	23.98	-	----	----
EHT80	MCS0	1	106	5530	Full	77.87	-	90.85	-	23.98	-	30.00	-	23.98	-	----	----
EHT80	MCS0	1	122	5610	Full	77.93	-	91.23	-	23.98	-	30.00	-	23.98	-	----	----
EHT160	MCS0	1	114	5570	Full	157.74	-	175.63	-	23.98	-	30.00	-	23.98	-	----	----
EHT240	MCS0	1	122	5610	Full	238.66	-	328.25	-	23.98	-	30.00	-	23.98	-	----	----

U-NII-2C MIMO																	
Mod.	Data Rate	N _{rx}	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 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1
EHT20	MCS0	2	100	5500	Full	19.15	19.15	23.26	24.34	23.82		29.82		23.98		----	----
EHT20	MCS0	2	116	5580	Full	19.15	19.16	23.32	24.58	23.82		29.82		23.98		----	----
EHT20	MCS0	2	140	5700	Full	19.16	19.15	23.24	24.58	23.82		29.82		23.98		----	----
EHT40	MCS0	2	102	5510	Full	38.51	38.62	45.74	46.78	23.98		30.00		23.98		----	----
EHT40	MCS0	2	110	5550	Full	38.50	38.58	45.30	46.02	23.98		30.00		23.98		----	----
EHT40	MCS0	2	134	5670	Full	38.54	38.61	45.90	45.90	23.98		30.00		23.98		----	----
EHT80	MCS0	2	106	5530	Full	77.87	77.93	88.80	90.94	23.98		30.00		23.98		----	----
EHT80	MCS0	2	122	5610	Full	77.85	77.88	90.02	90.53	23.98		30.00		23.98		----	----
EHT160	MCS0	2	114	5570	Full	157.76	157.98	173.66	173.38	23.98		30.00		23.98		----	----
EHT240	MCS0	2	122	5610	Full	239.05	239.84	323.93	325.80	23.98		30.00		23.98		----	----

U-NII-2C straddle channel single antenna																	
Mod.	Data Rate	N _{rx}	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 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1
EHT20	MCS0	1	144	5720	Full	14.71	-	22.32	-	23.86	-	29.86	-	23.98	-	4.475	-
EHT40	MCS0	1	142	5710	Full	34.53	-	51.64	-	23.98	-	30.00	-	23.98	-	3.99	-
EHT80	MCS0	1	138	5690	Full	74.22	-	101.40	-	23.98	-	30.00	-	23.98	-	4.024	-
6dB Bandwidth Limit ≥ 500kHz																Pass	

U-NII-2C straddle channel MIMO																	
Mod.	Data Rate	N _{rx}	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 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1
EHT20	MCS0	2	144	5720	Full	14.60	14.61	16.67	17.69	23.82		29.82		23.22		4.49	4.475
EHT40	MCS0	2	142	5710	Full	34.34	34.36	38.38	37.93	23.98		30.00		23.98		4.017	4.017
EHT80	MCS0	2	138	5690	Full	73.98	74.03	80.79	81.05	23.98		30.00		23.98		3.96	3.96
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 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
EHT20	MCS0	1	100	5500	Full	21.70	-	-	23.98	-	4.15	-	30	Pass
EHT20	MCS0	1	116	5580	Full	23.20	-		23.98	-	4.15	-	30	Pass
EHT20	MCS0	1	140	5700	Full	20.50	-		23.98	-	4.15	-	30	Pass
EHT40	MCS0	1	102	5510	Full	19.50	-		23.98	-	4.15	-	30	Pass
EHT40	MCS0	1	110	5550	Full	23.60	-		23.98	-	4.15	-	30	Pass
EHT40	MCS0	1	134	5670	Full	20.90	-		23.98	-	4.15	-	30	Pass
EHT80	MCS0	1	106	5530	Full	19.00	-		23.98	-	4.15	-	30	Pass
EHT80	MCS0	1	122	5610	Full	22.80	-		23.98	-	4.15	-	30	Pass
EHT160	MCS0	1	114	5570	Full	20.20	-		23.98	-	4.15	-	30	Pass
EHT240	MCS0	1	122	5610	Full	18.00	-		23.98	-	4.15	-	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 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
EHT20	MCS0	2	100	5500	Full	20.60	20.80	23.71	23.98		2.15		30	Pass
EHT20	MCS0	2	116	5580	Full	20.40	20.70	23.56	23.98		2.15		30	Pass
EHT20	MCS0	2	140	5700	Full	18.60	19.20	21.92	23.98		2.15		30	Pass
EHT40	MCS0	2	102	5510	Full	18.10	18.20	21.16	23.98		2.15		30	Pass
EHT40	MCS0	2	110	5550	Full	20.80	20.80	23.81	23.98		2.15		30	Pass
EHT40	MCS0	2	134	5670	Full	20.50	20.70	23.61	23.98		2.15		30	Pass
EHT80	MCS0	2	106	5530	Full	18.80	19.00	21.91	23.98		2.15		30	Pass
EHT80	MCS0	2	122	5610	Full	20.50	20.50	23.51	23.98		2.15		30	Pass
EHT160	MCS0	2	114	5570	Full	19.20	19.50	22.36	23.98		2.15		30	Pass
EHT240	MCS0	2	122	5610	Full	16.50	16.50	19.51	23.98		2.15		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 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
EHT20	MCS0	1	144	5720	Full	23.30	-	-	23.98	-	4.15	-	30	Pass
EHT40	MCS0	1	142	5710	Full	23.50	-		23.98	-	4.15	-	30	Pass
EHT80	MCS0	1	138	5690	Full	23.40	-		23.98	-	4.15	-	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 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1		
EHT20	MCS0	2	144	5720	Full	20.10	20.30	23.21	23.22		2.15		30	Pass
EHT40	MCS0	2	142	5710	Full	20.50	20.80	23.66	23.98		2.15		30	Pass
EHT80	MCS0	2	138	5690	Full	20.70	20.80	23.76	23.98		2.15		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C 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 3	Ant 1	Ant 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1	
EHT20	MCS0	1	100	5500	Full	0.11	-	9.27	-	-	11.00	-	4.15	-	Pass
EHT20	MCS0	1	116	5580	Full	0.11	-	10.87	-		11.00	-	4.15	-	Pass
EHT20	MCS0	1	140	5700	Full	0.11	-	7.99	-		11.00	-	4.15	-	Pass
EHT40	MCS0	1	102	5510	Full	0.12	-	3.99	-		11.00	-	4.15	-	Pass
EHT40	MCS0	1	110	5550	Full	0.12	-	7.74	-		11.00	-	4.15	-	Pass
EHT40	MCS0	1	134	5670	Full	0.12	-	5.32	-		11.00	-	4.15	-	Pass
EHT80	MCS0	1	106	5530	Full	0.10	-	0.45	-		11.00	-	4.15	-	Pass
EHT80	MCS0	1	122	5610	Full	0.10	-	4.14	-		11.00	-	4.15	-	Pass
EHT160	MCS0	1	114	5570	Full	0.13	-	-1.10	-		11.00	-	4.15	-	Pass
EHT240	MCS0	1	122	5610	Full	0.13	-	-5.11	-		11.00	-	4.15	-	Pass

U-NII-2C MIMO															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 3	Ant 1	Ant 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1	
EHT20	MCS0	2	100	5500	Full	0.10	0.12	-		10.93	11.00		4.92		Pass
EHT20	MCS0	2	116	5580	Full	0.10	0.12			10.95	11.00		4.92		Pass
EHT20	MCS0	2	140	5700	Full	0.10	0.12			9.08	11.00		4.92		Pass
EHT40	MCS0	2	102	5510	Full	0.13	0.13			5.32	11.00		4.92		Pass
EHT40	MCS0	2	110	5550	Full	0.13	0.13			7.84	11.00		4.92		Pass
EHT40	MCS0	2	134	5670	Full	0.13	0.13			7.84	11.00		4.92		Pass
EHT80	MCS0	2	106	5530	Full	0.12	0.13			2.89	11.00		4.92		Pass
EHT80	MCS0	2	122	5610	Full	0.12	0.13			4.70	11.00		4.92		Pass
EHT160	MCS0	2	114	5570	Full	0.13	0.10			0.68	11.00		4.92		Pass
EHT240	MCS0	2	122	5610	Full	0.12	0.14			-3.75	11.00		4.92		Pass

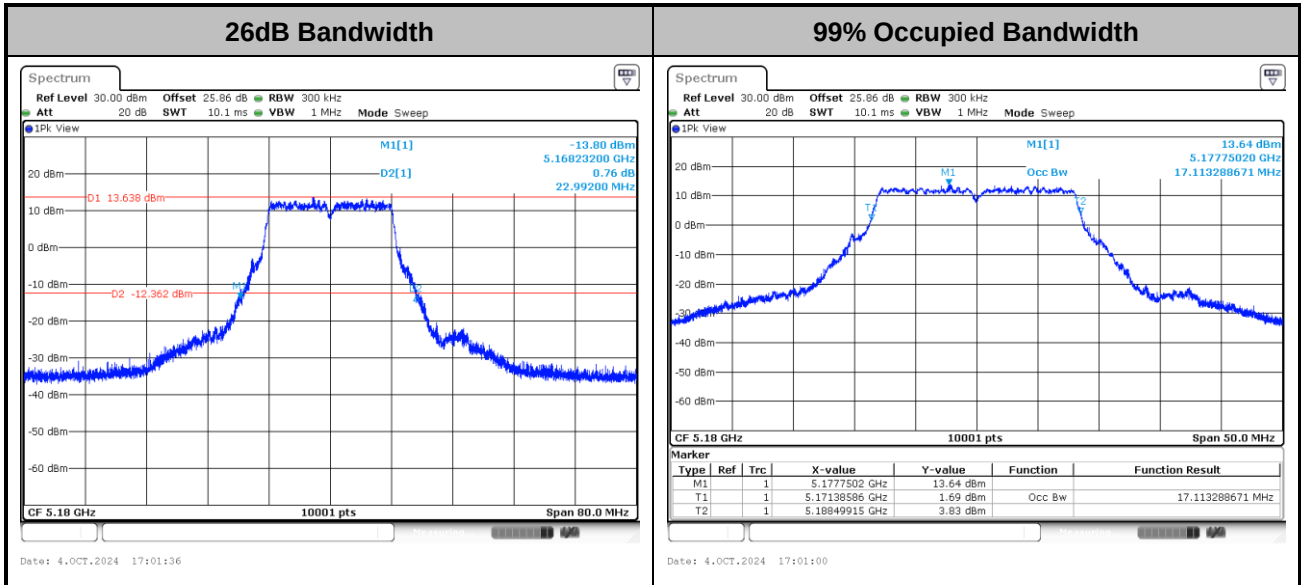
U-NII-2C straddle channel single antenna															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 3	Ant 1	Ant 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1	
EHT20	MCS0	1	144	5720	Full	0.11	-	10.69	-	-	11.00	-	4.15	-	Pass
EHT40	MCS0	1	142	5710	Full	0.12	-	7.90	-		11.00	-	4.15	-	Pass
EHT80	MCS0	1	138	5690	Full	0.13	-	5.09	-		11.00	-	4.15	-	Pass

U-NII-2C straddle channel MIMO															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 3	Ant 1	Ant 3	Ant 1	SUM	Ant 3	Ant 1	Ant 3	Ant 1	
EHT20	MCS0	2	144	5720	Full	0.10	0.12	-		10.57	11.00		4.92		Pass
EHT40	MCS0	2	142	5710	Full	0.13	0.13			8.06	11.00		4.92		Pass
EHT80	MCS0	2	138	5690	Full	0.13	0.10			5.10	11.00		4.92		Pass

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

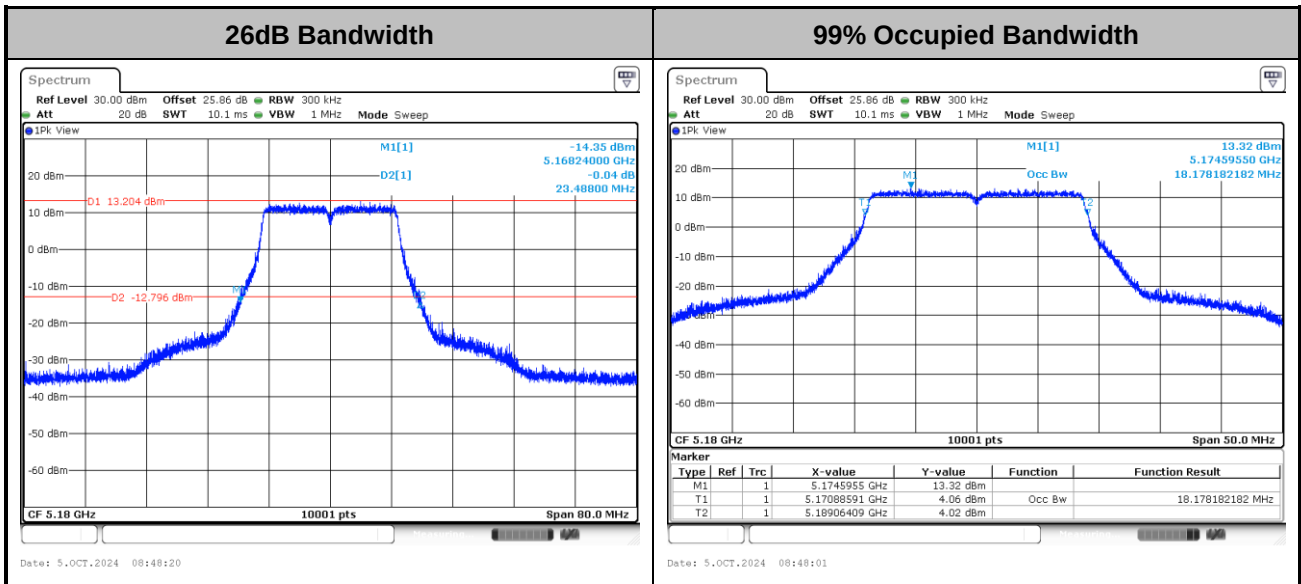
SISO <Ant. 3>

<802.11a>



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

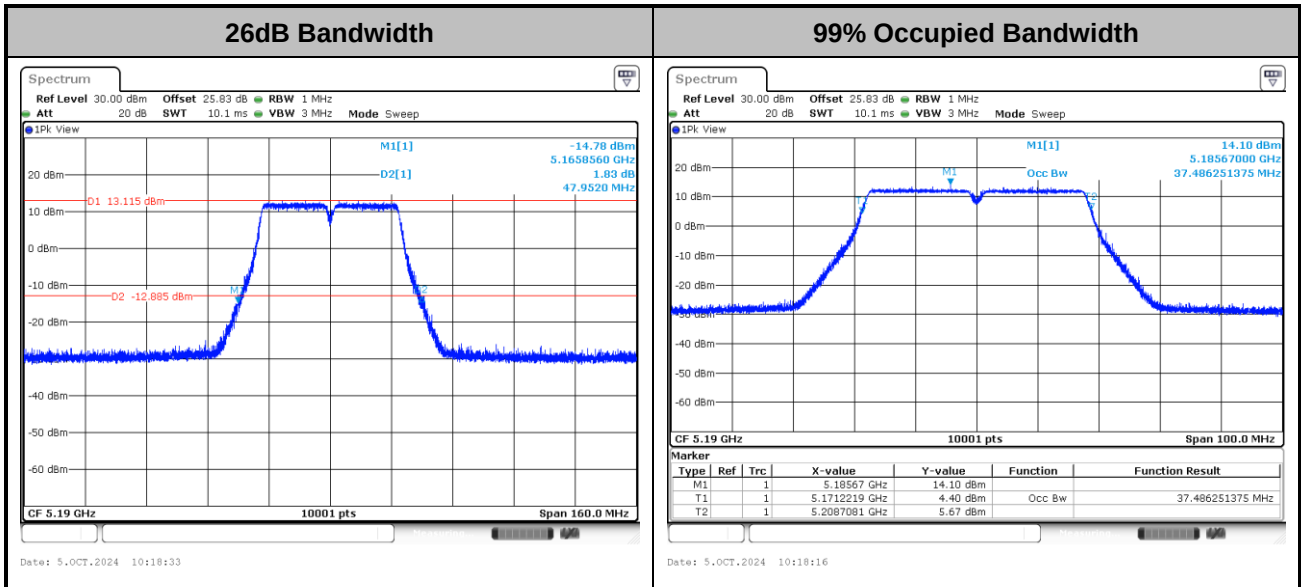
<802.11n HT20>



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

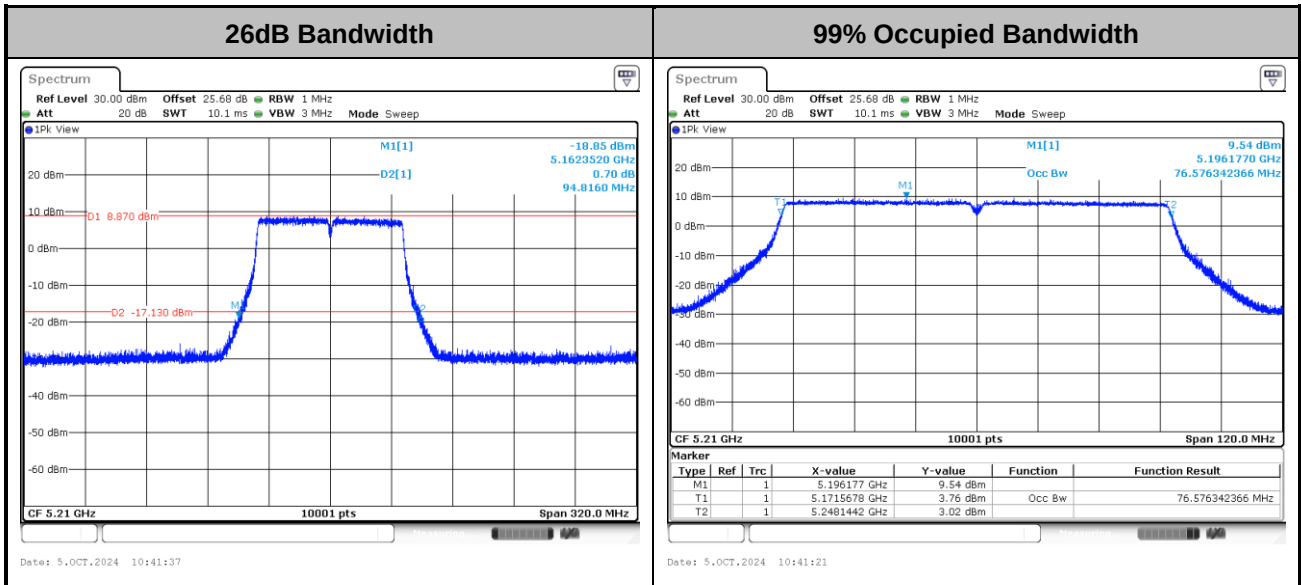


<802.11n HT40>



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

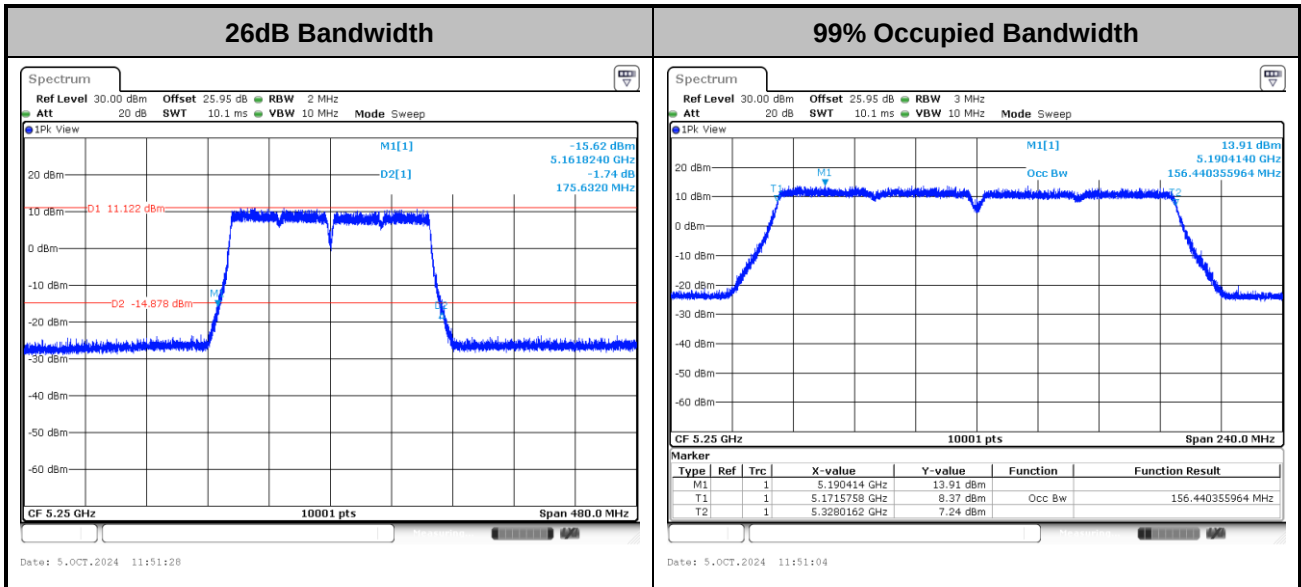
<802.11ac VHT80>



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

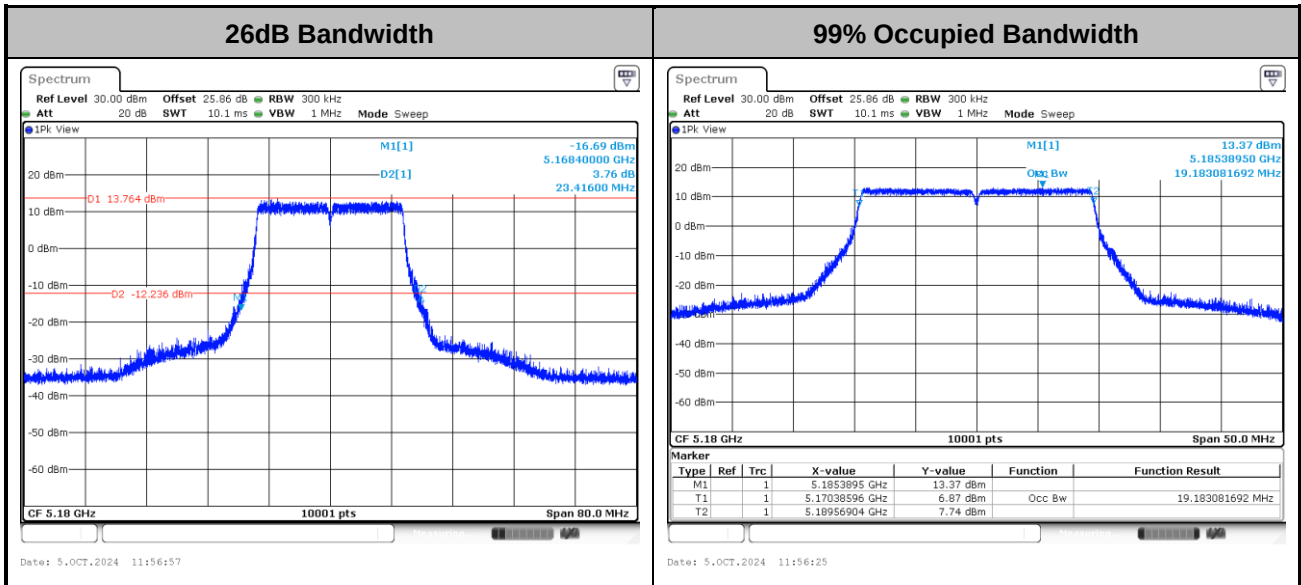


<802.11ac VHT160>



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

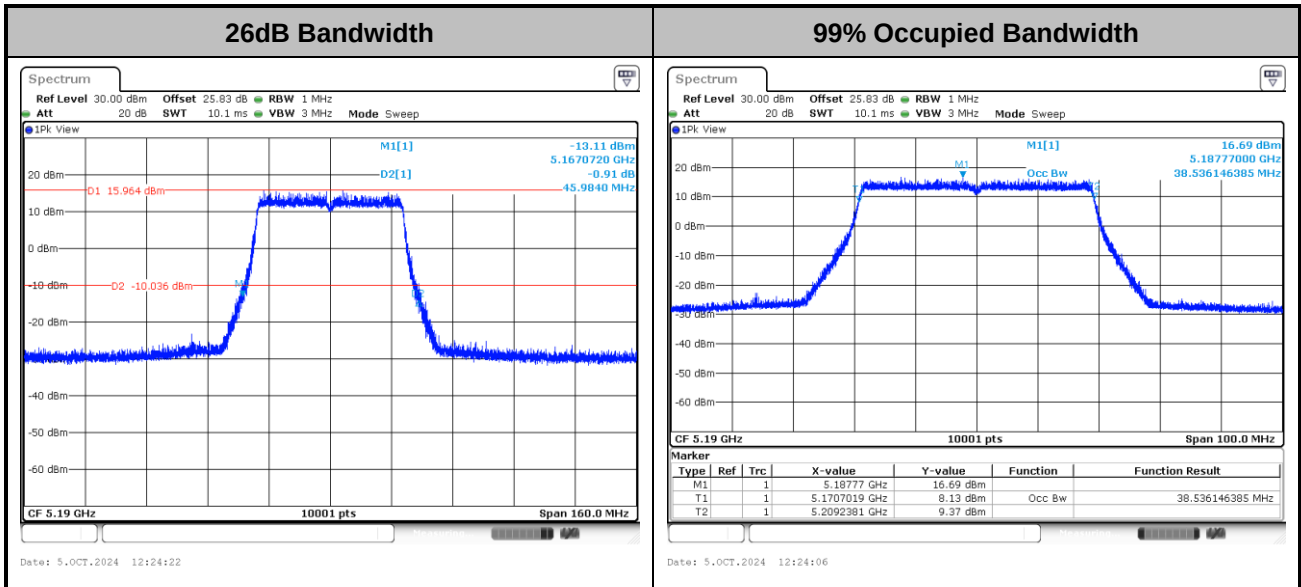
<802.11be EHT20>



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

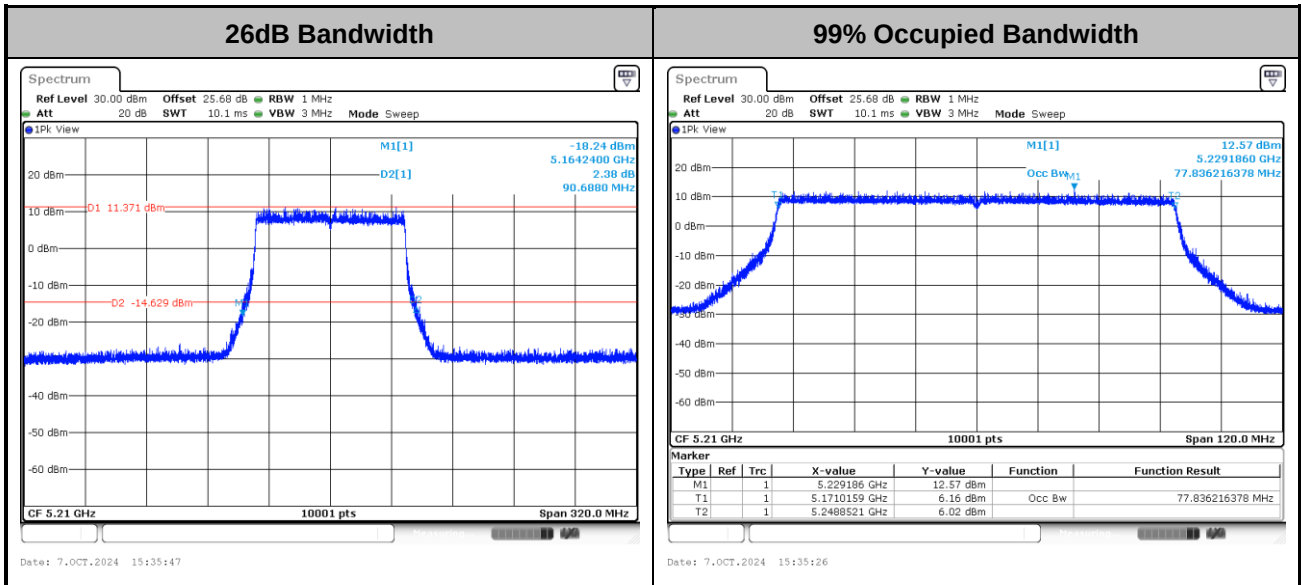


<802.11be EHT40>



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

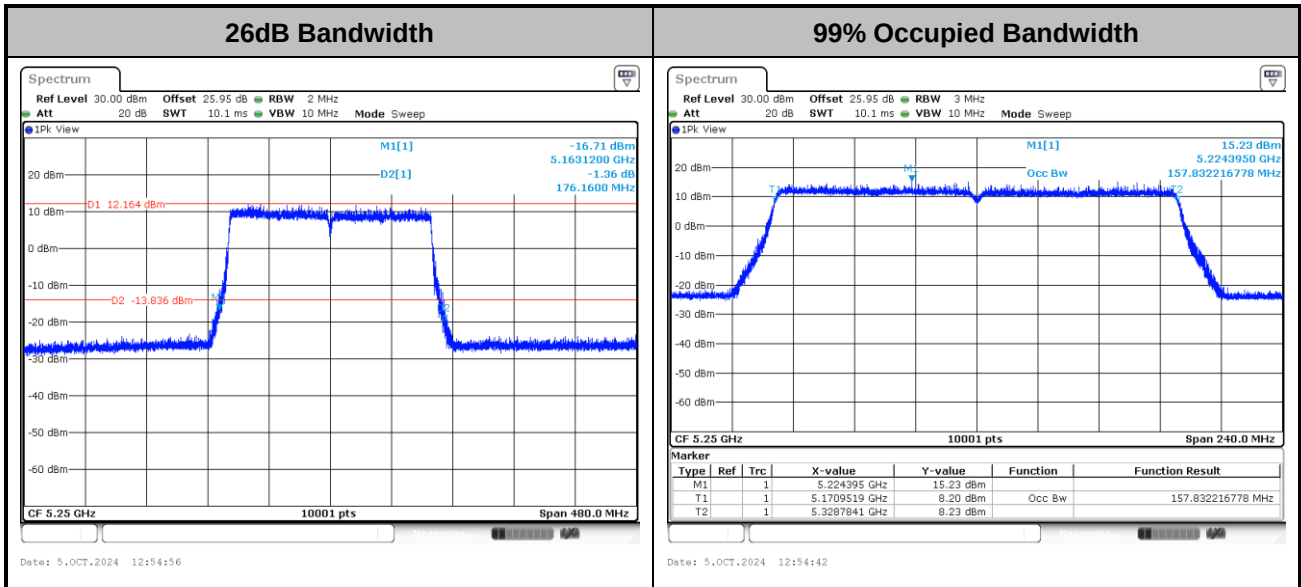
<802.11be EHT80>



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

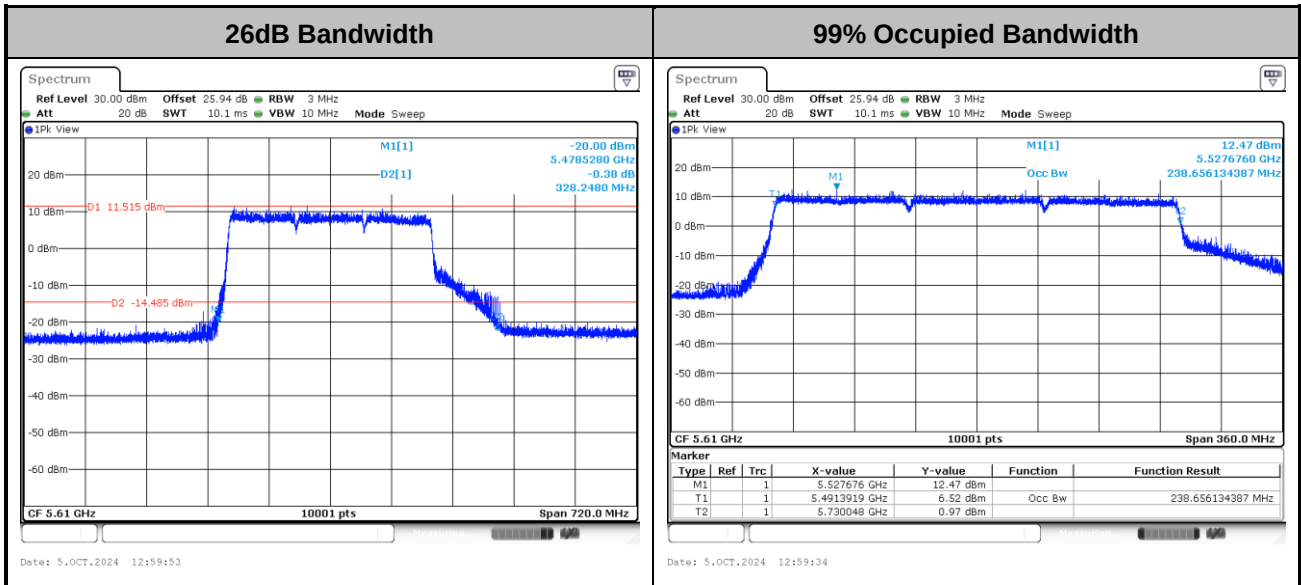


<802.11be EHT160>



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

<802.11be EHT240>

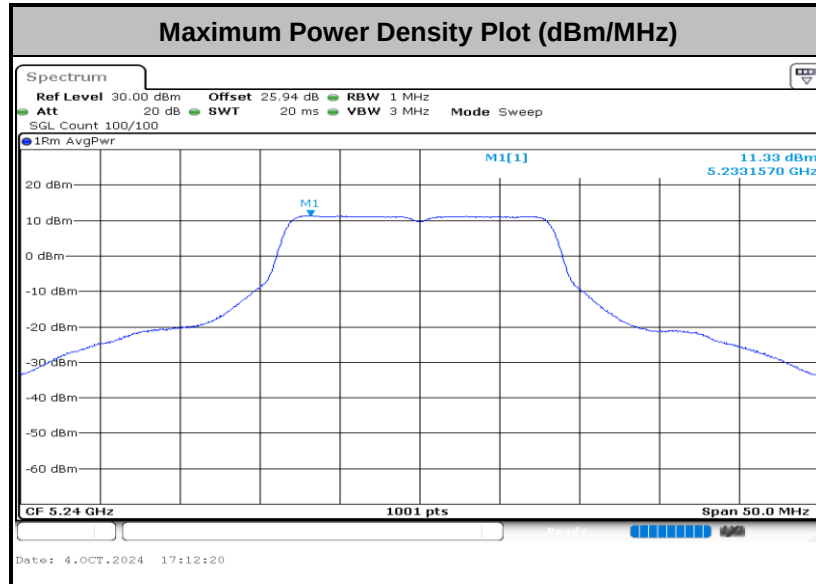


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

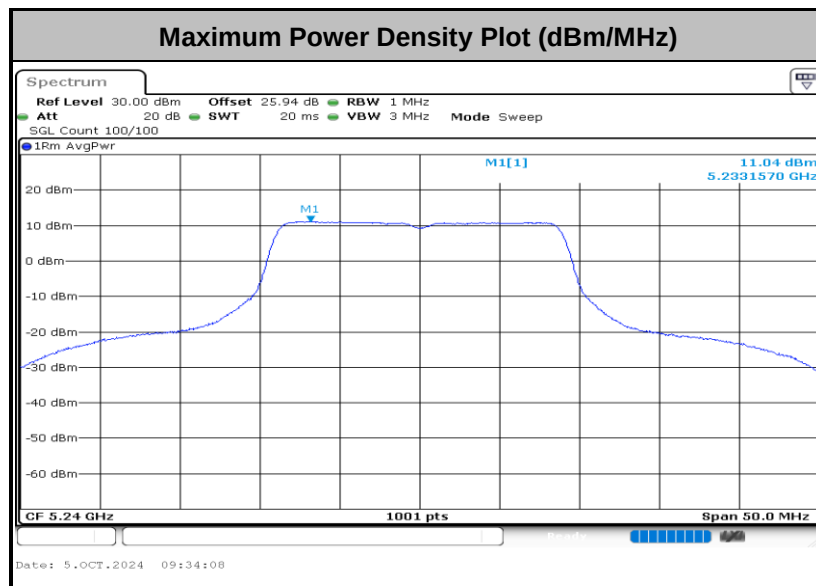


Test Result of Power Spectral Density

<802.11a>

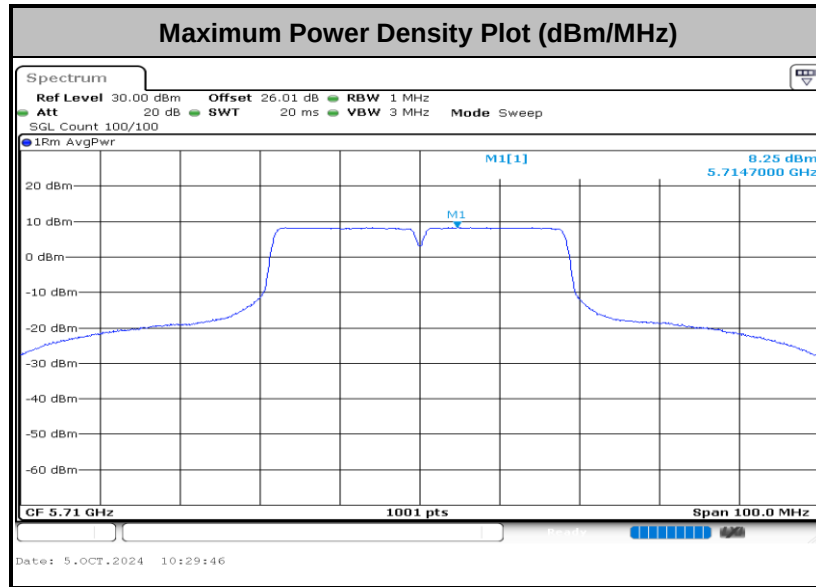


<802.11n HT20>

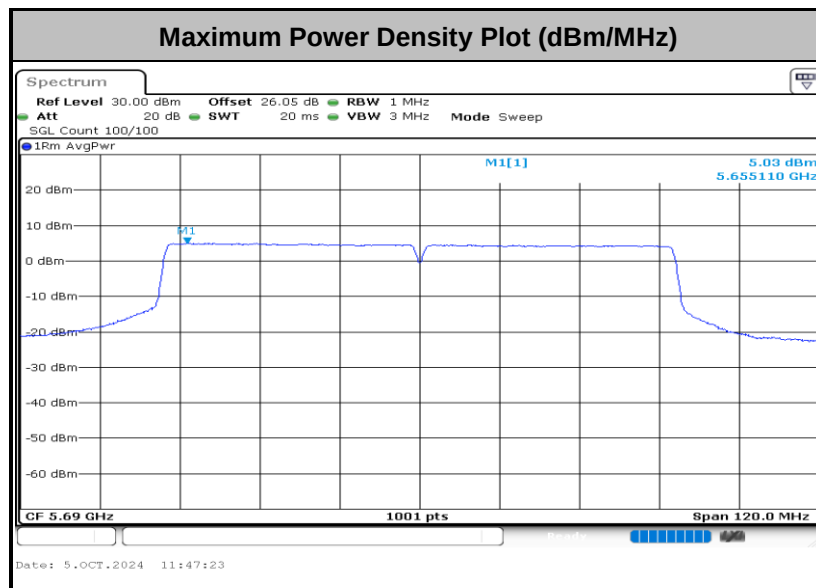




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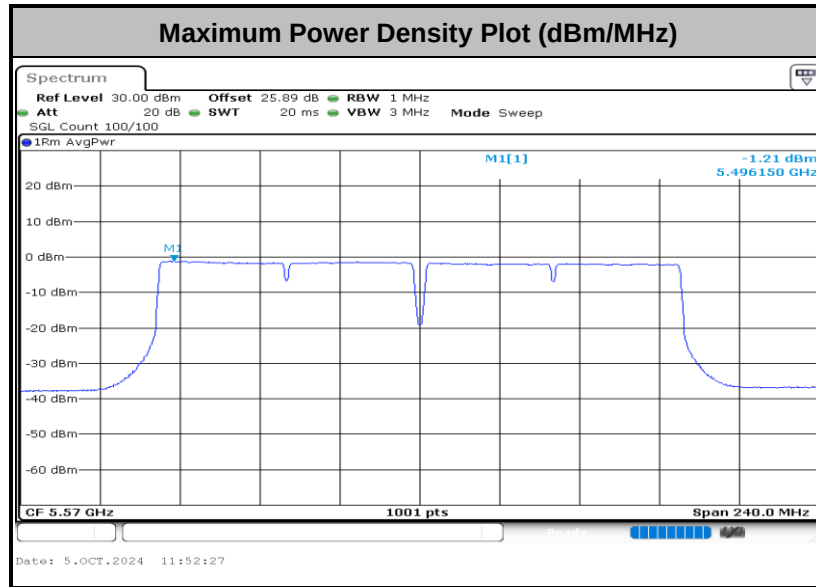


<802.11ac VHT80>

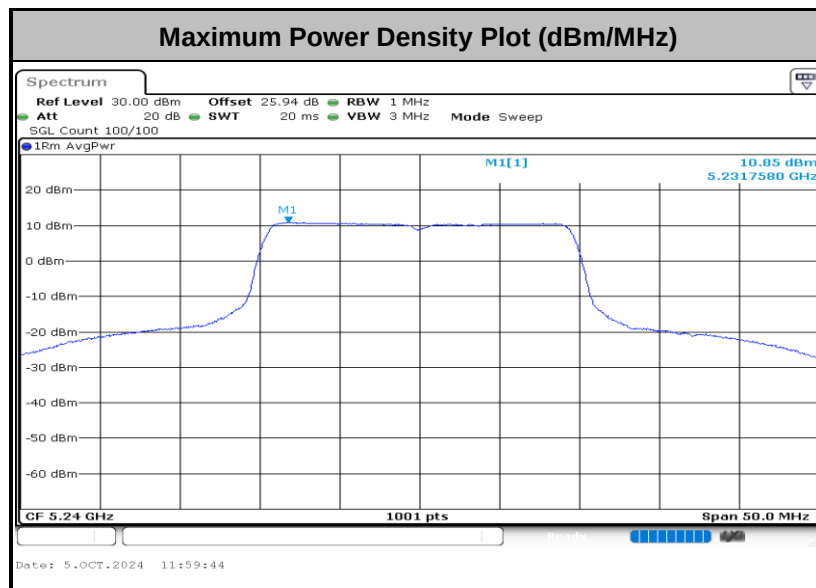




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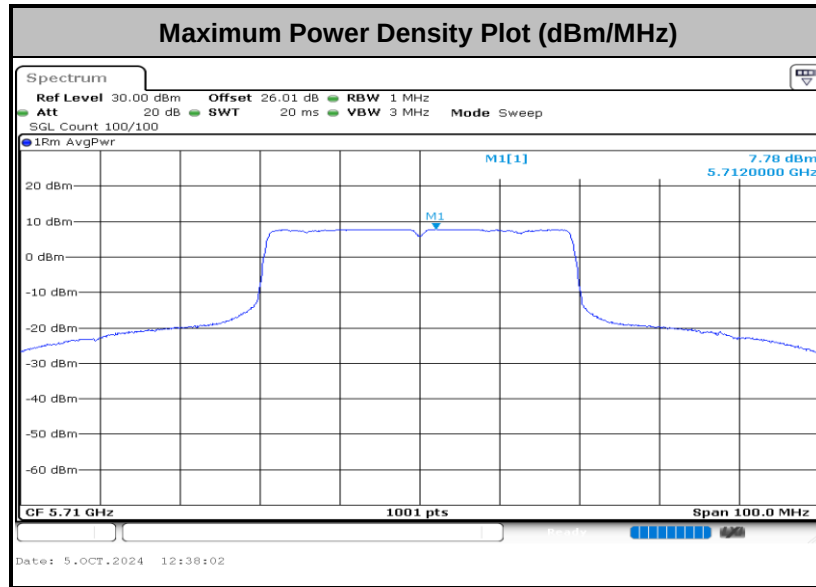


<802.11be EHT20>

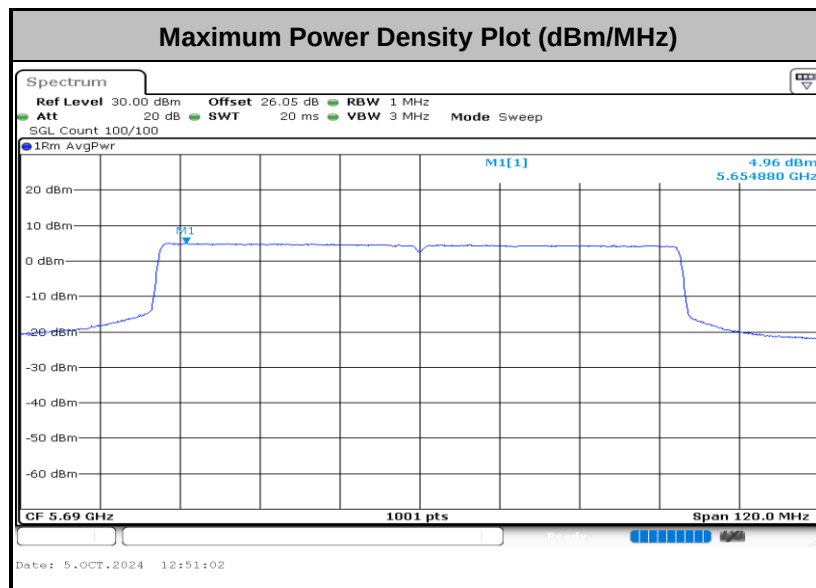




<802.11be EHT40>

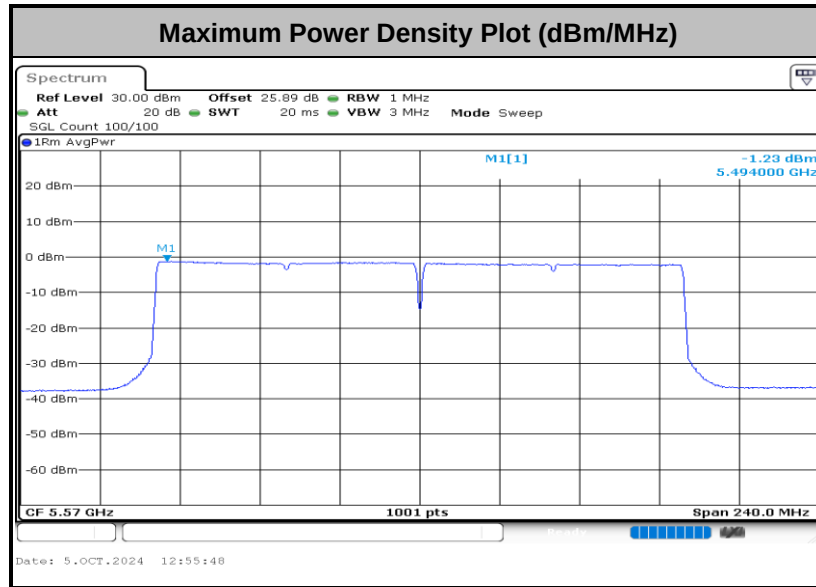


<802.11be EHT80>

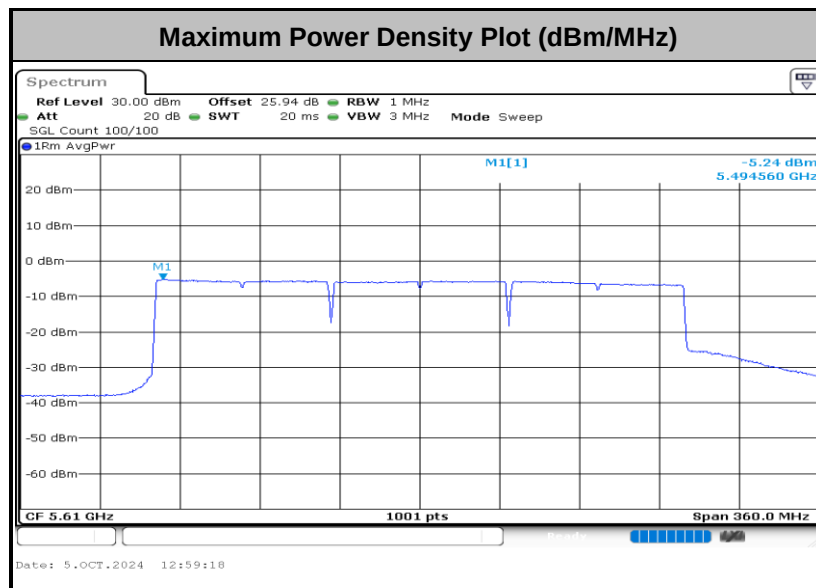




<802.11be EHT160>



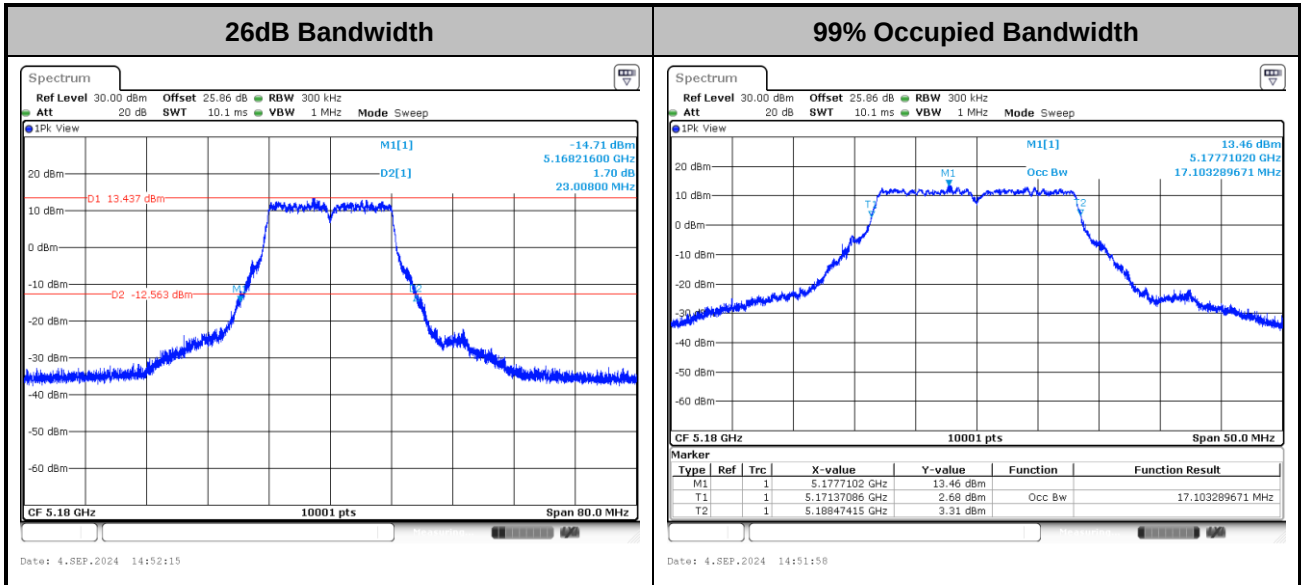
<802.11be EHT240>



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

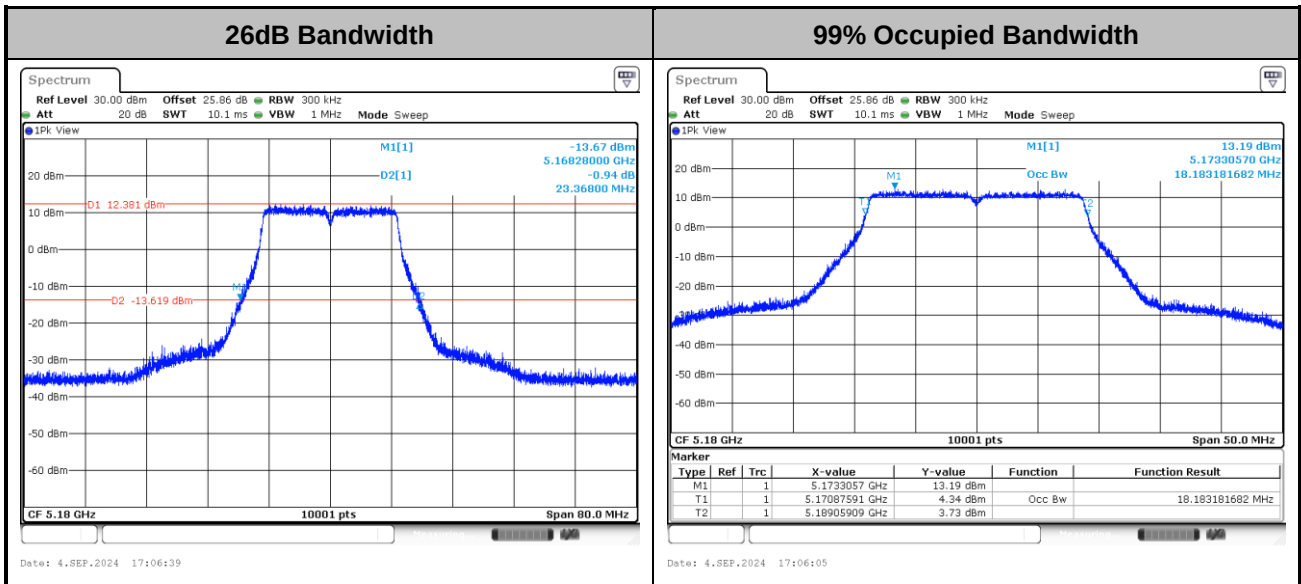
MIMO <Ant. 3+1>

<802.11a>



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

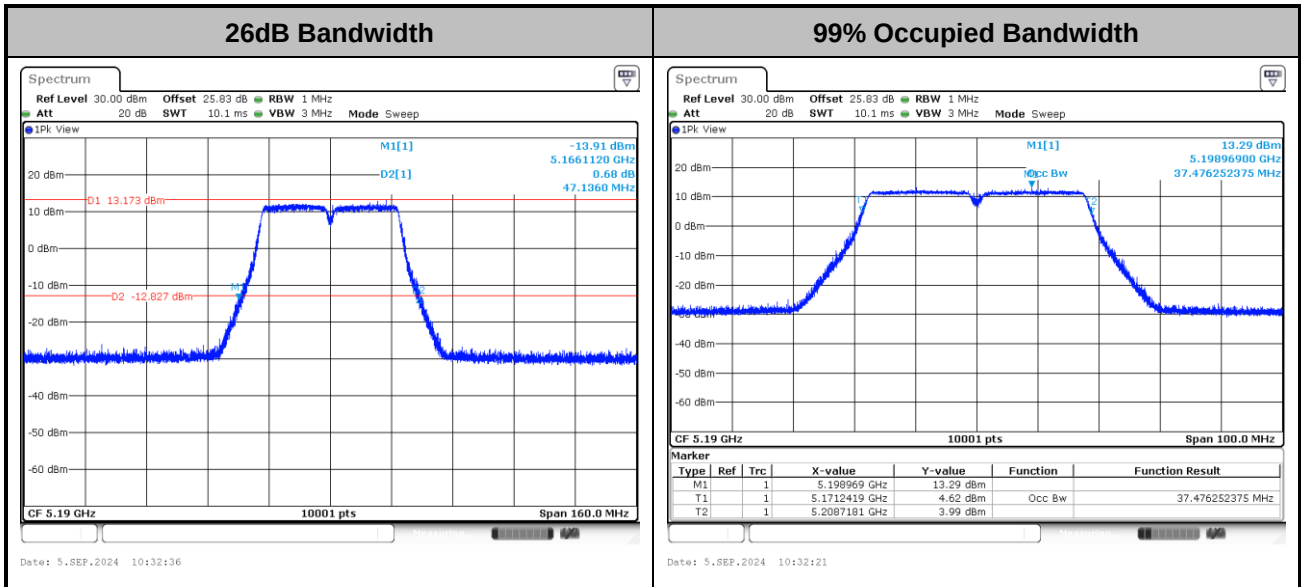
<802.11n HT20>



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

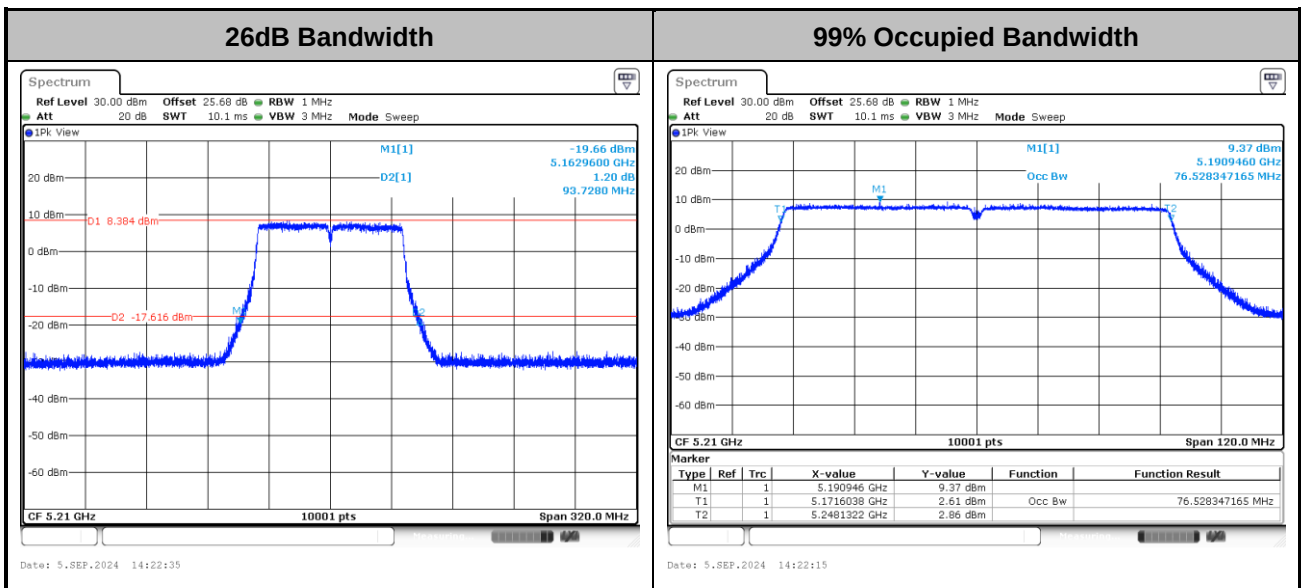


<802.11n HT40>



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

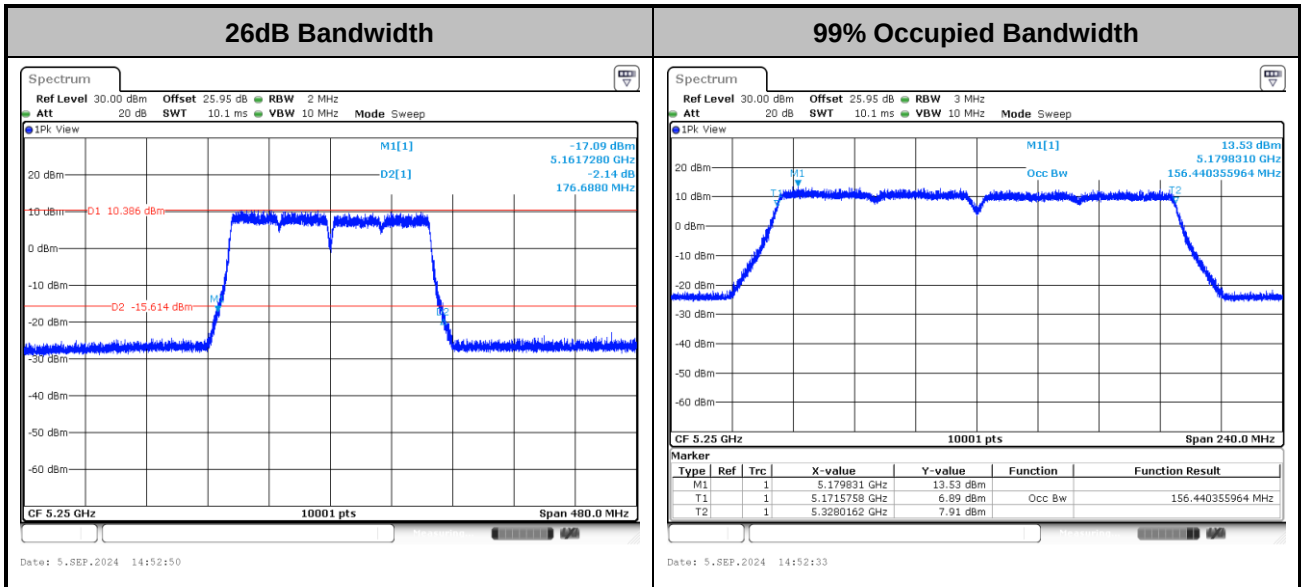
<802.11ac VHT80>



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

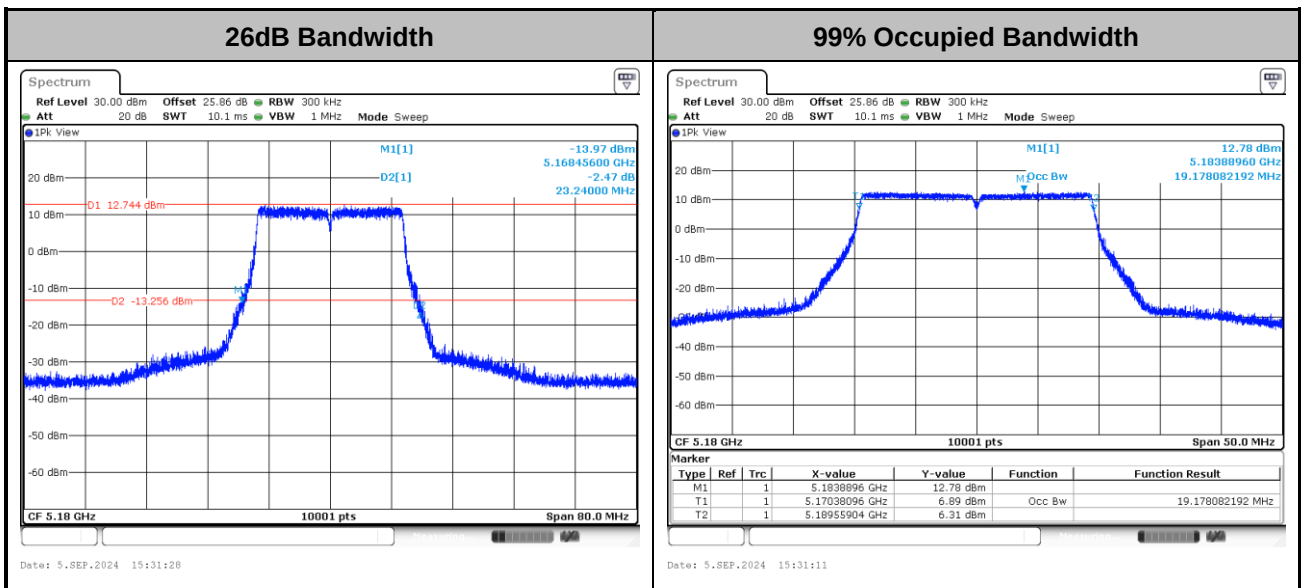


<802.11ac VHT160>



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

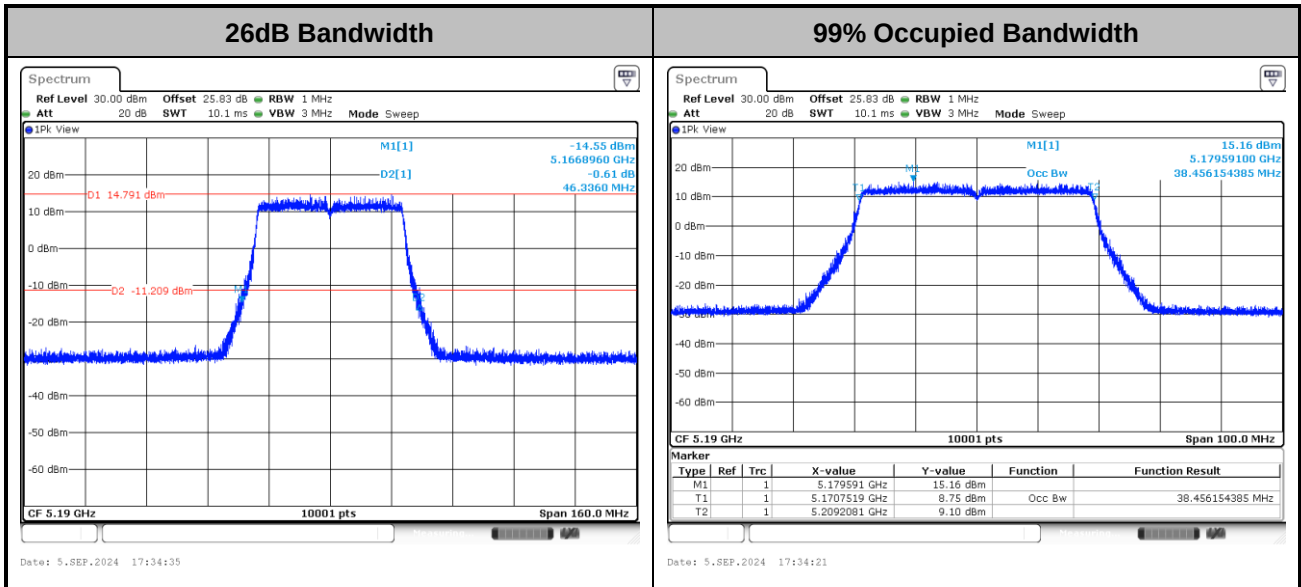
<802.11be EHT20>



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

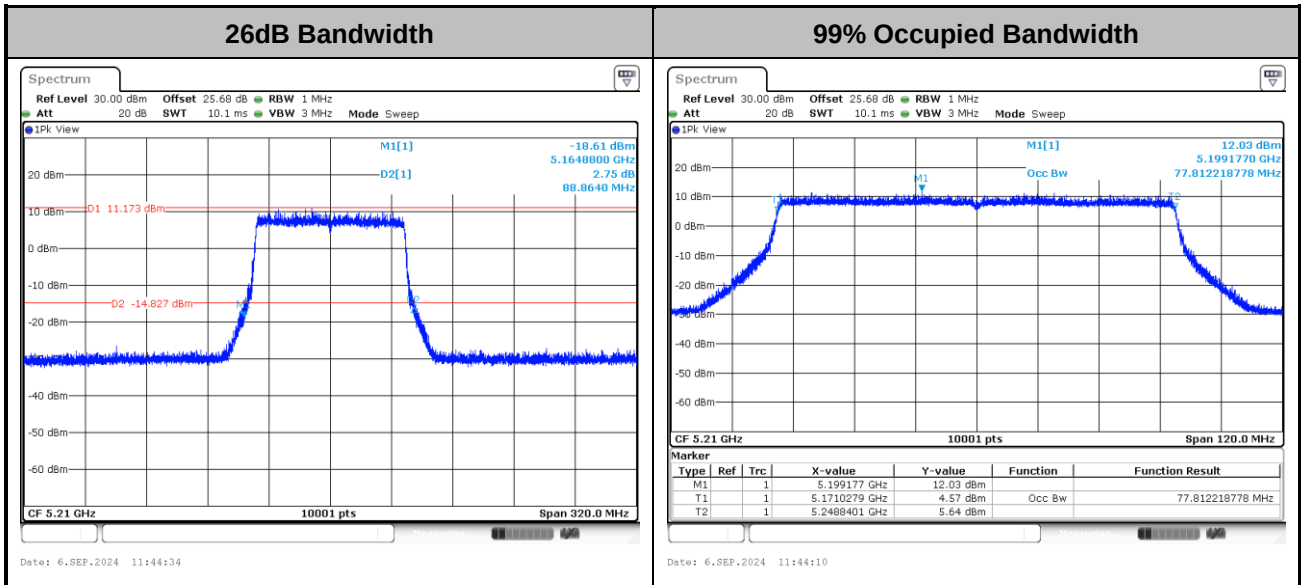


<802.11be EHT40>



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

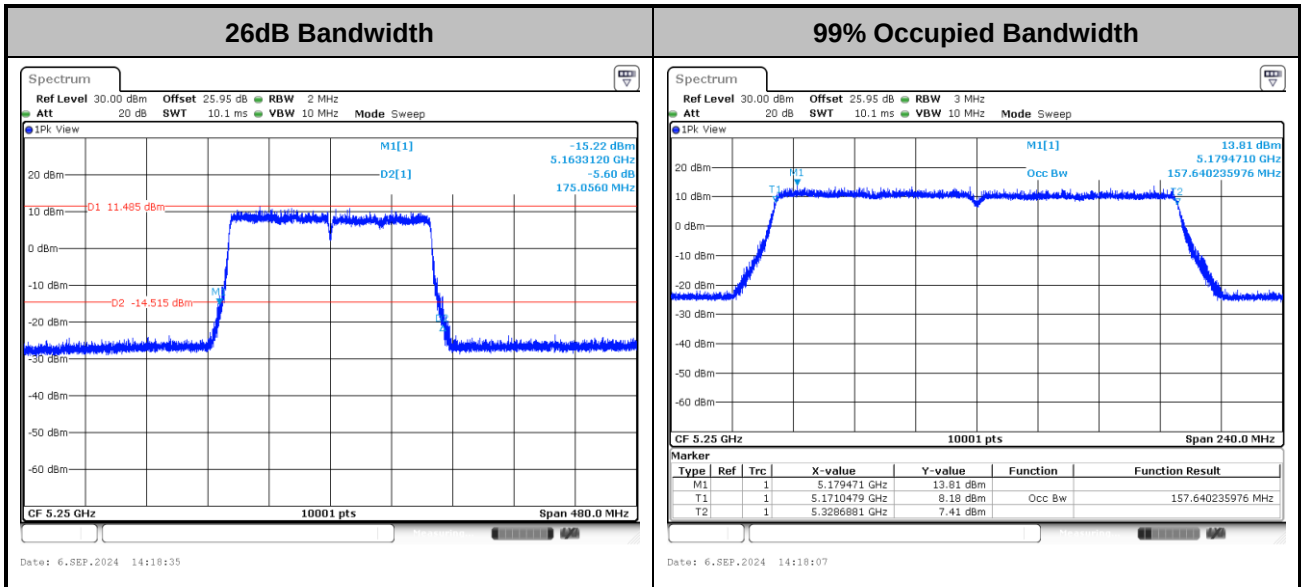
<802.11be EHT80>



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

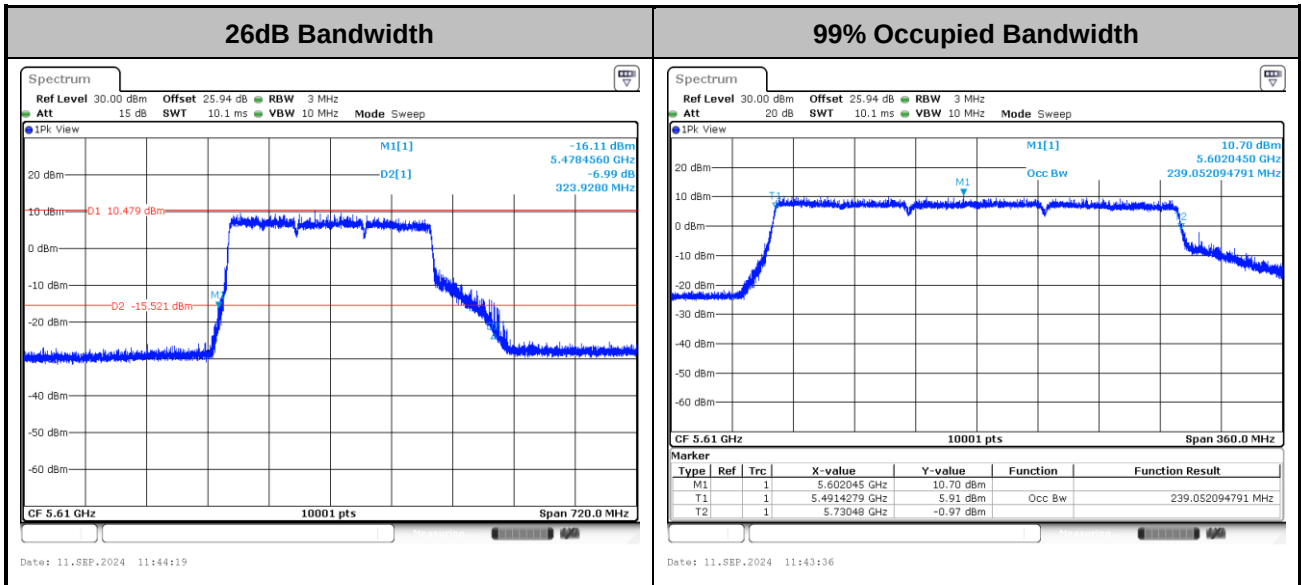


<802.11be EHT160>



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

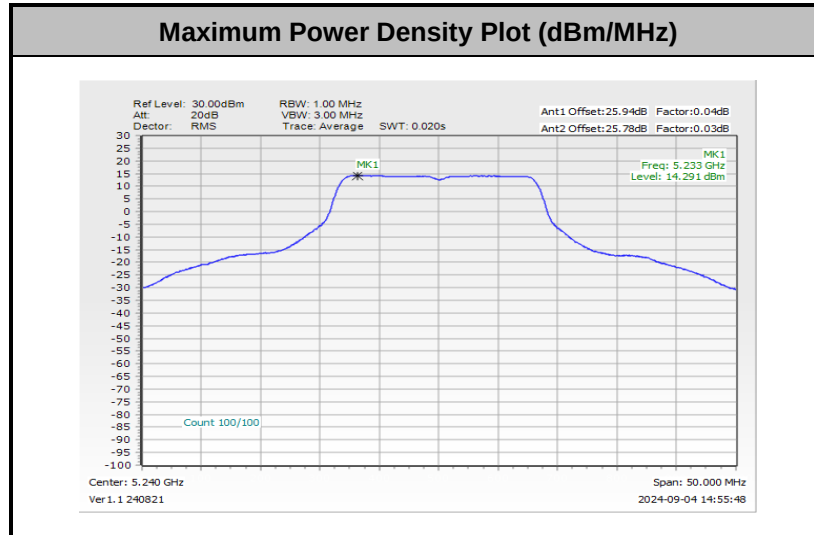
<802.11be EHT240>



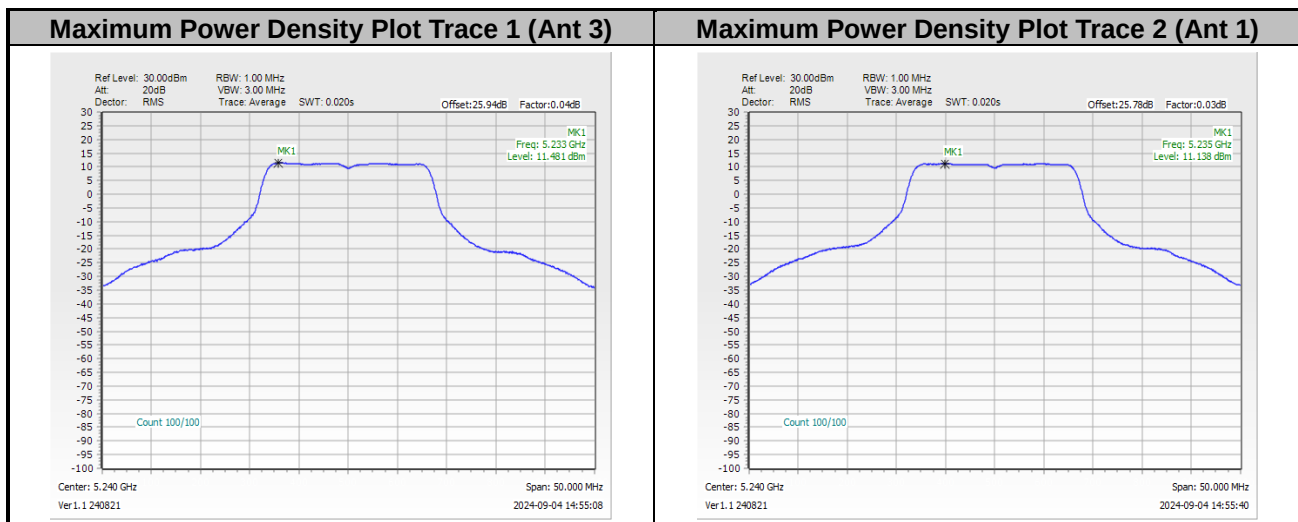
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

Test Result of Power Spectral Density

<802.11a>



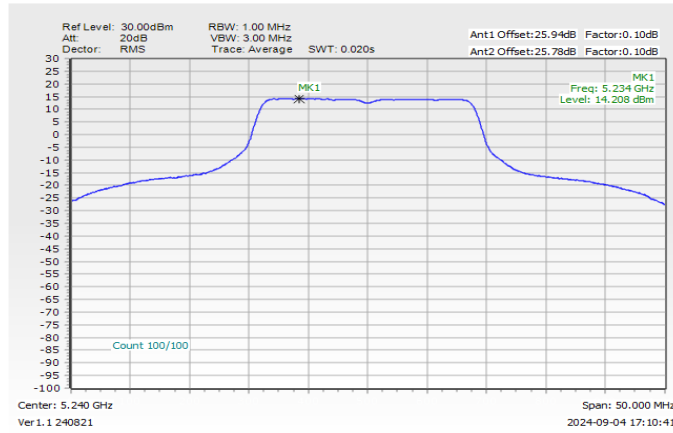
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.





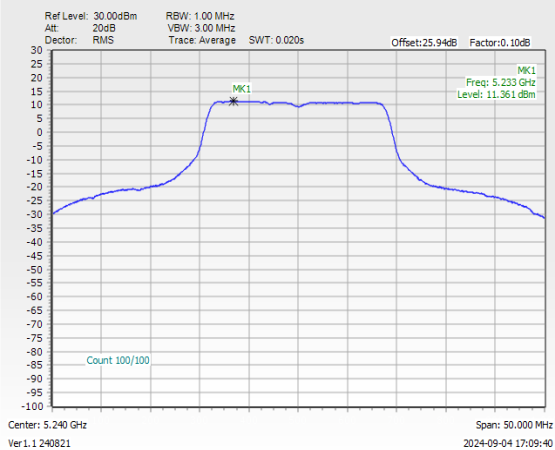
<802.11n HT20>

Maximum Power Density Plot (dBm/MHz)

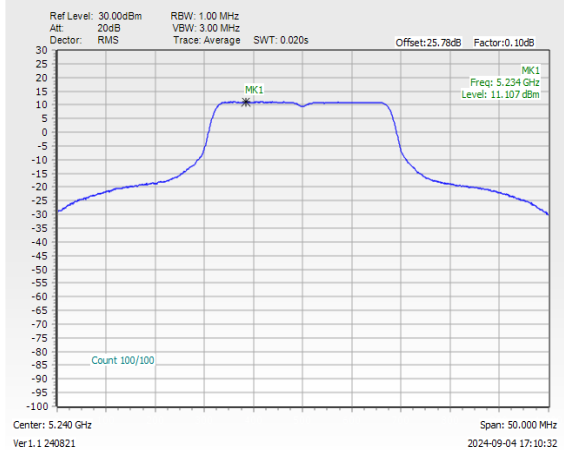


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)

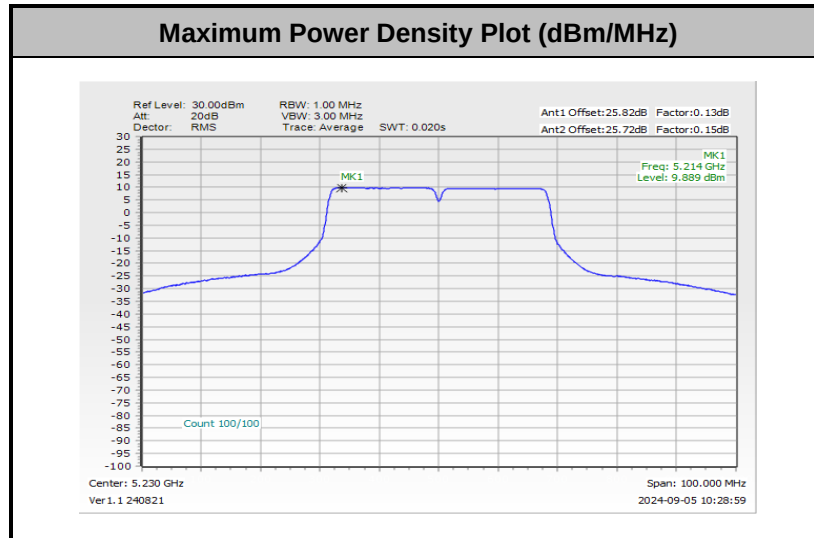


Maximum Power Density Plot Trace 2 (Ant 1)

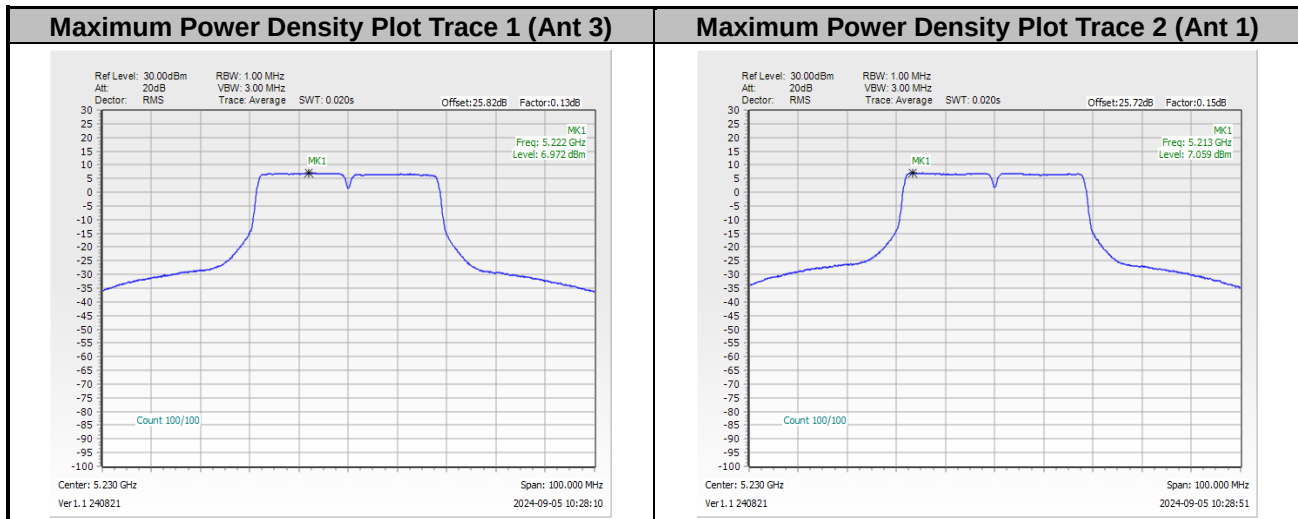




<802.11n HT40>



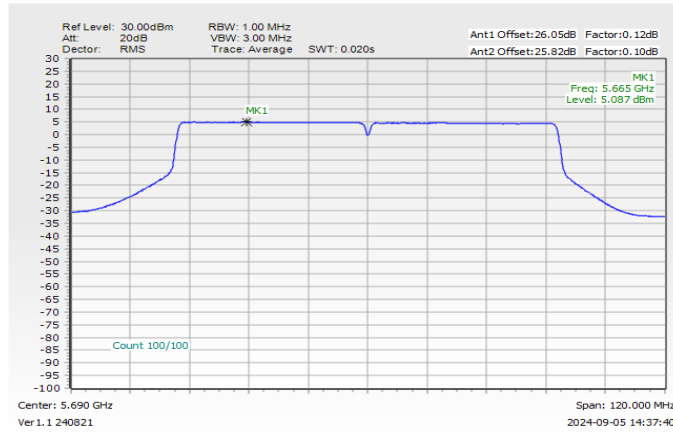
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.





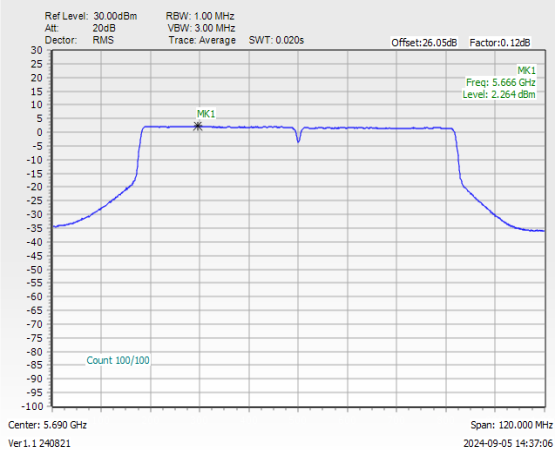
<802.11ac VHT80>

Maximum Power Density Plot (dBm/MHz)

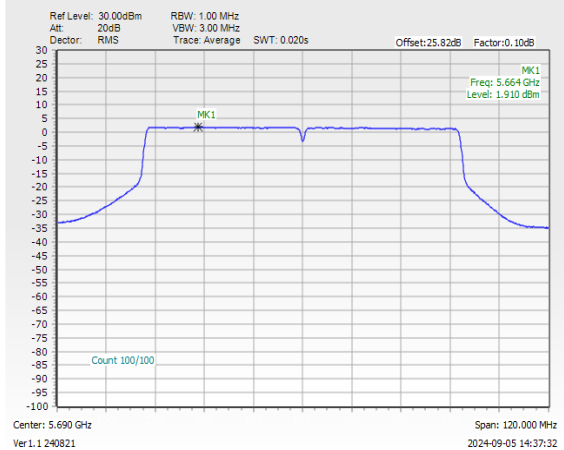


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)

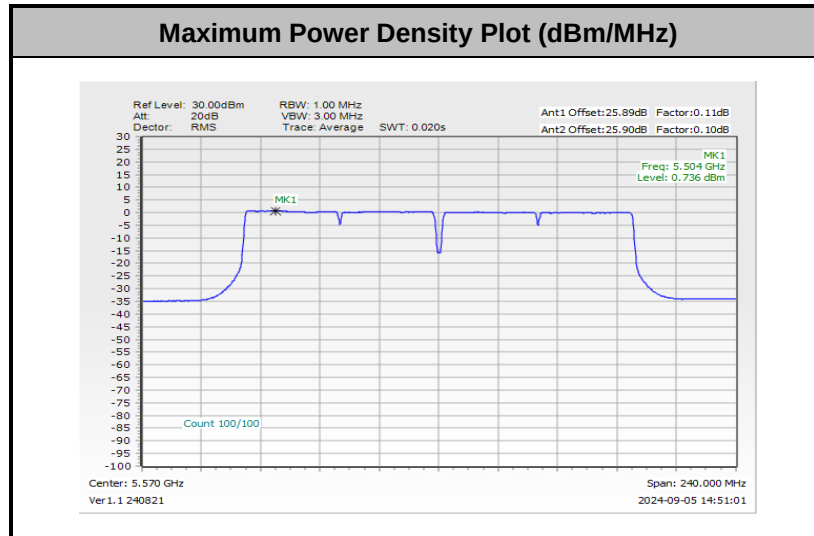


Maximum Power Density Plot Trace 2 (Ant 1)

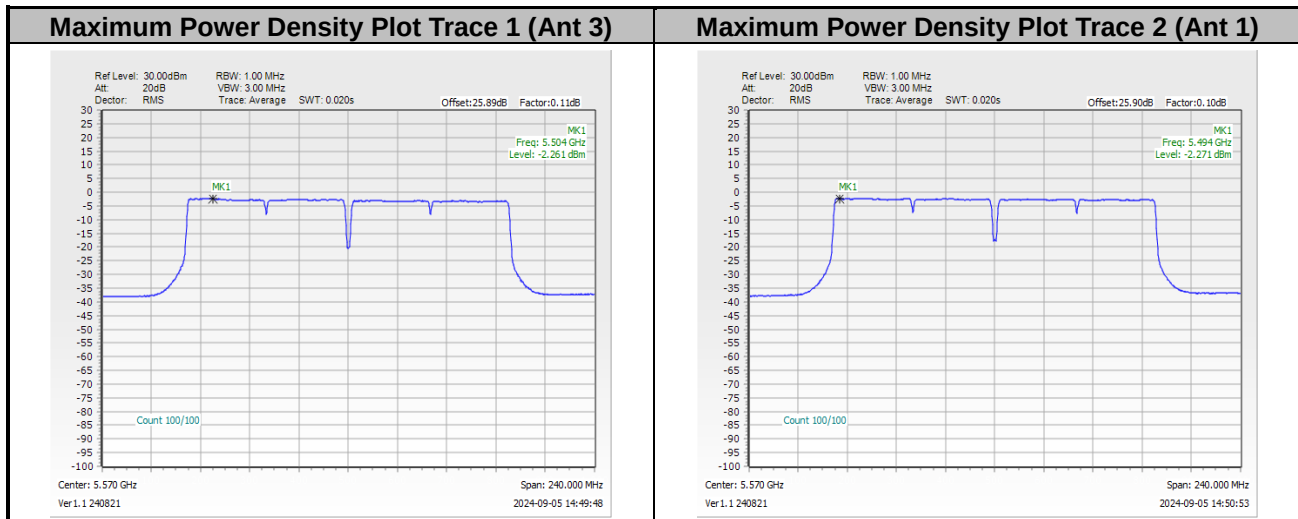




<802.11ac VHT160>



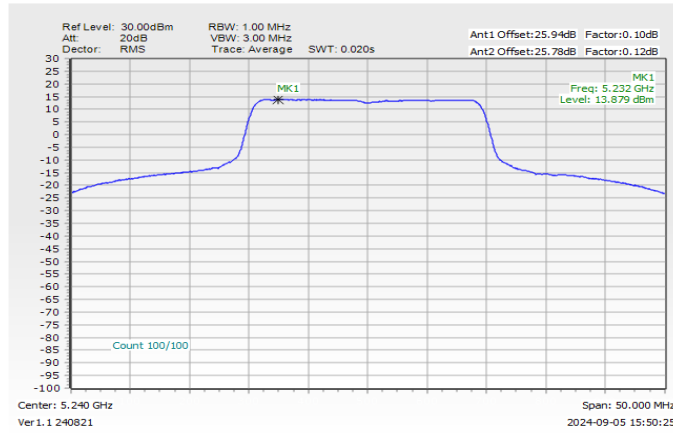
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.





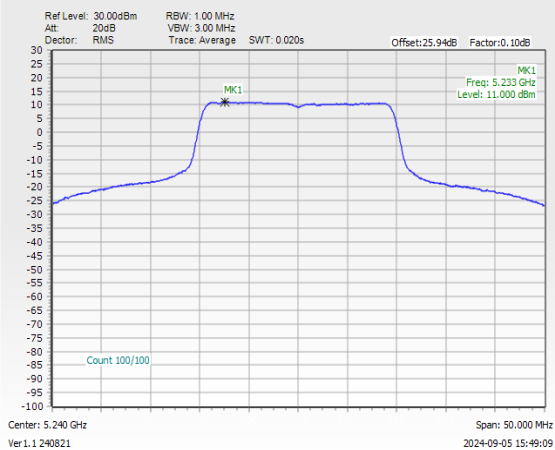
<802.11be EHT20>

Maximum Power Density Plot (dBm/MHz)

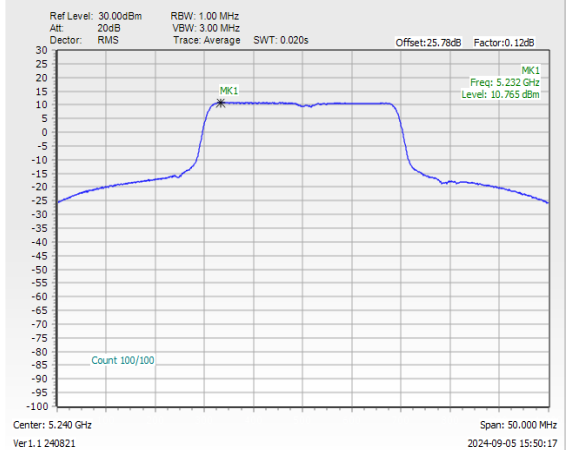


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)



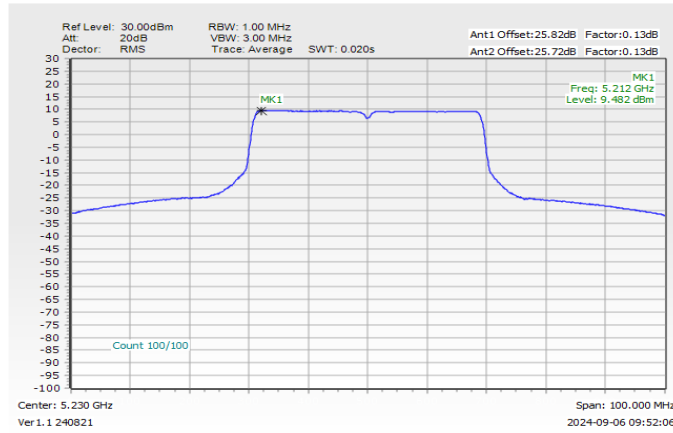
Maximum Power Density Plot Trace 2 (Ant 1)





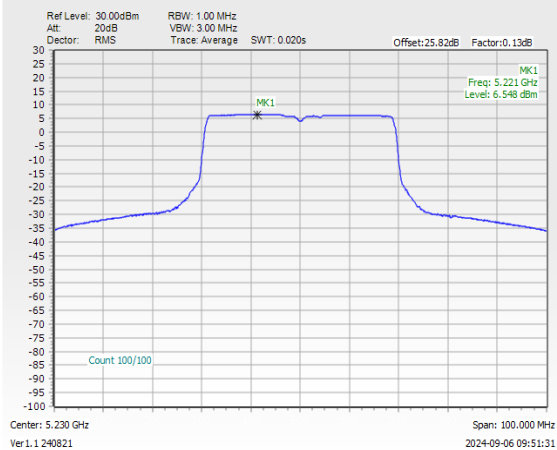
<802.11be EHT40>

Maximum Power Density Plot (dBm/MHz)

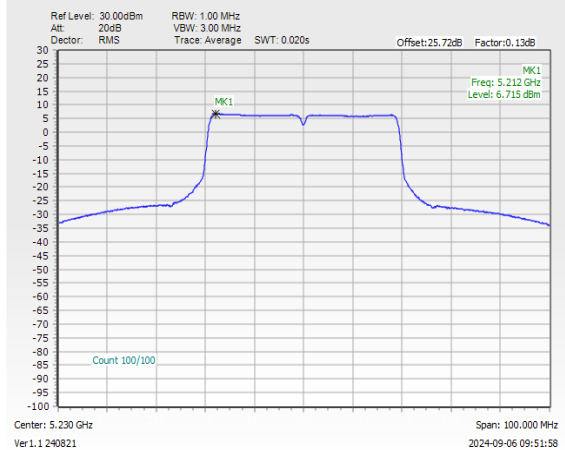


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)

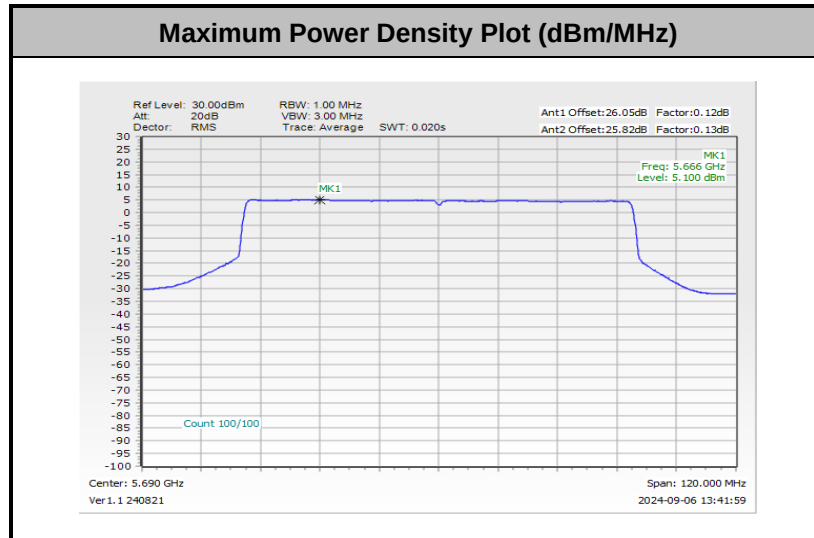


Maximum Power Density Plot Trace 2 (Ant 1)

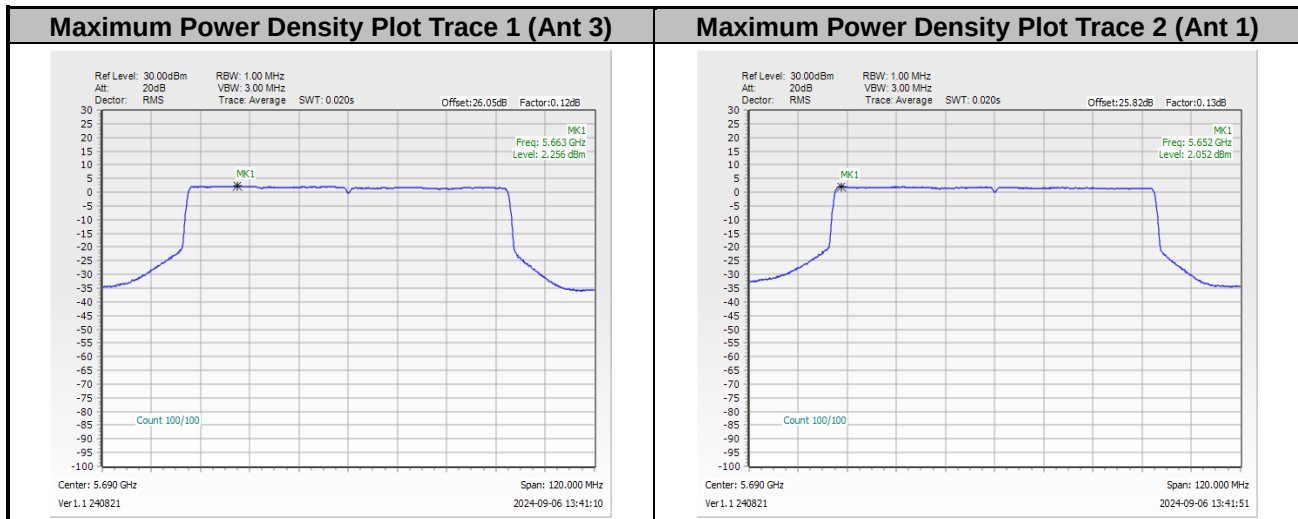




<802.11be EHT80>

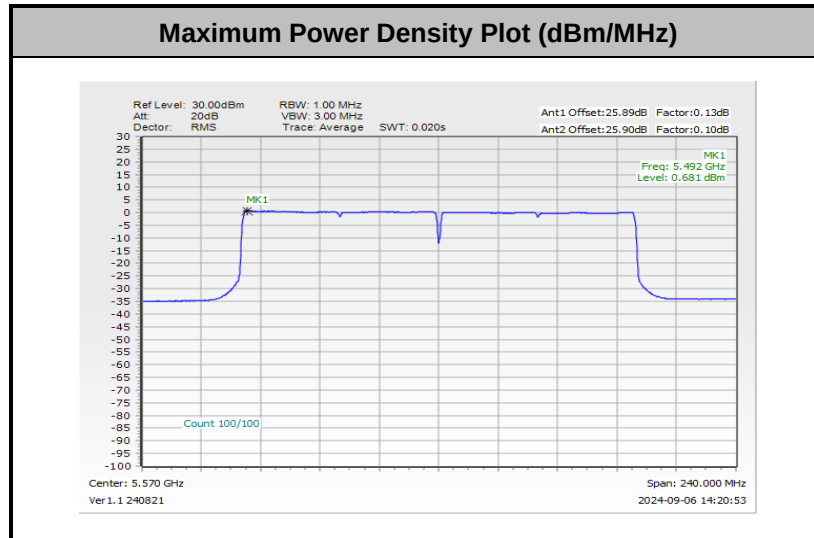


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

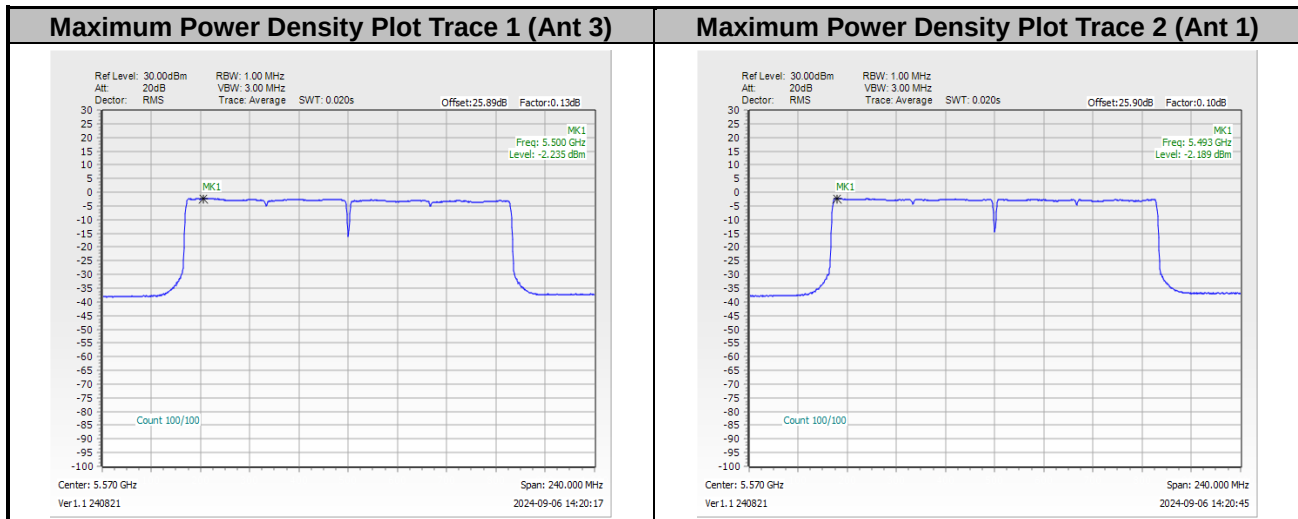




<802.11be EHT160>

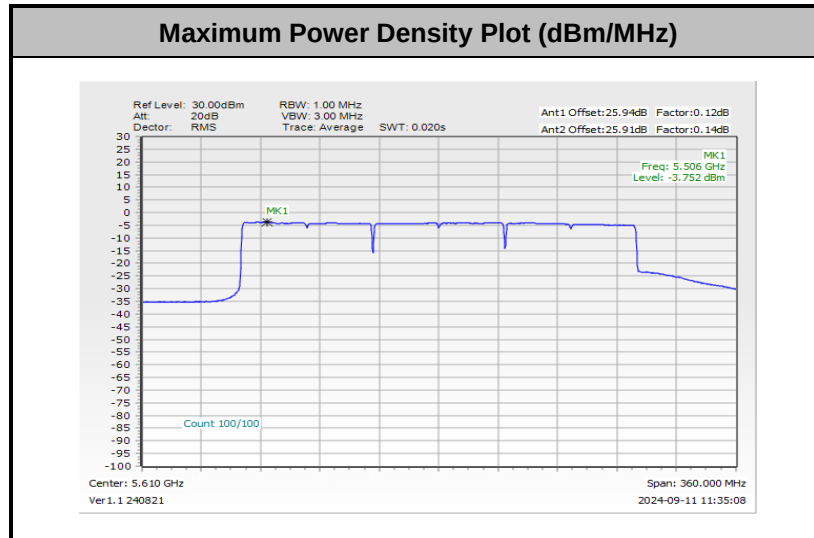


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

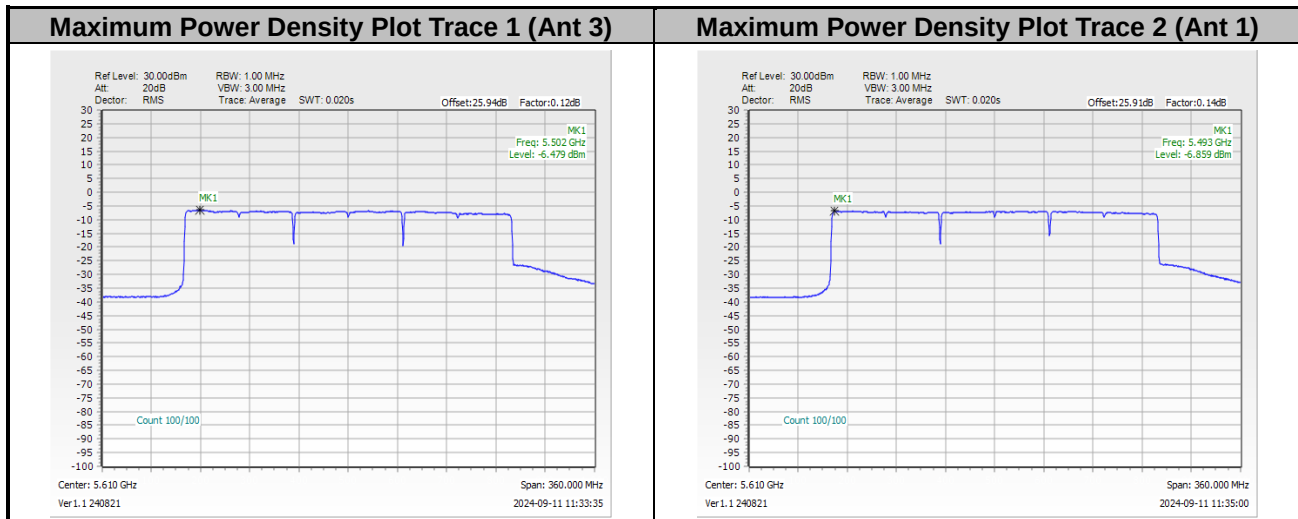




<802.11be EHT240>



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





Appendix B. AC Conducted Emission Test Results

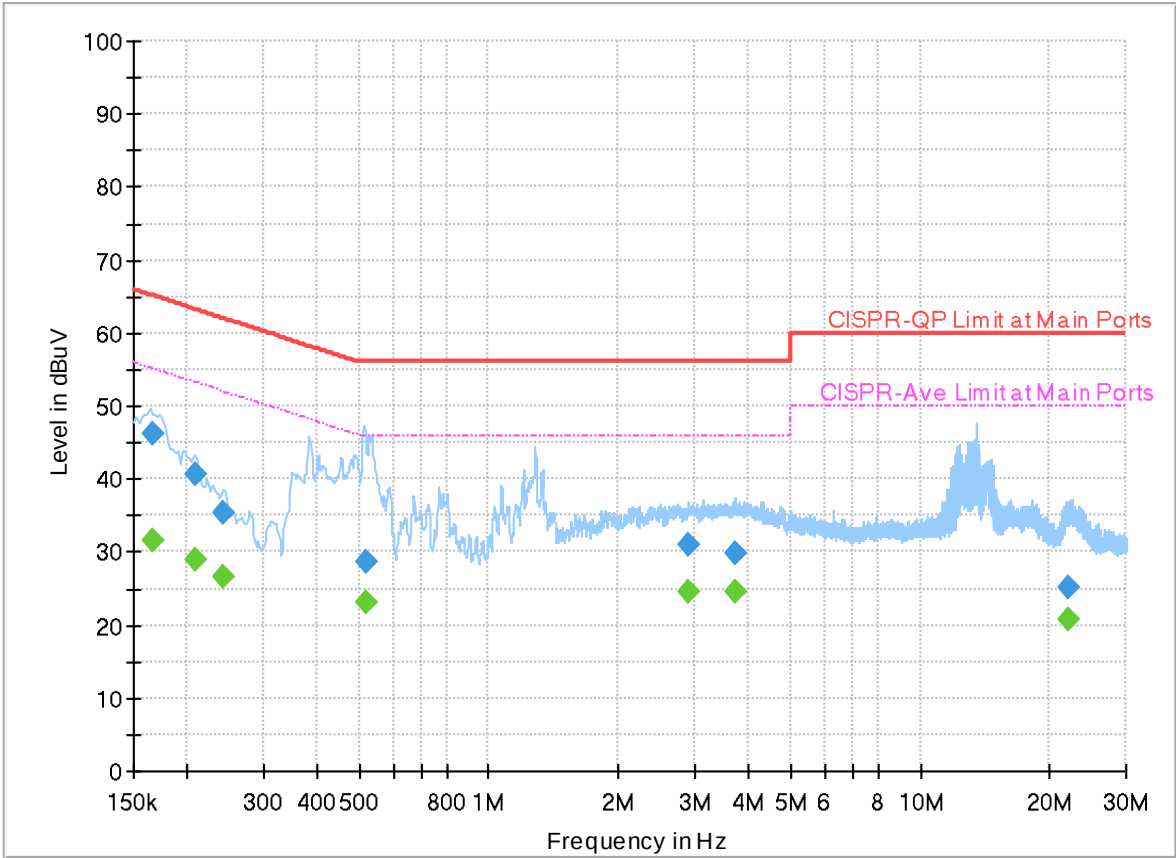
Test Engineer :	Louis Chung	Temperature :	21.2~24.7°C
		Relative Humidity :	45.7~51.3%

EUT Information

Report NO :
Test Mode :
Test Voltage :
Phase :

480504
Mode 1
120Vac/60Hz
Line

Full Spectrum



Final_Result

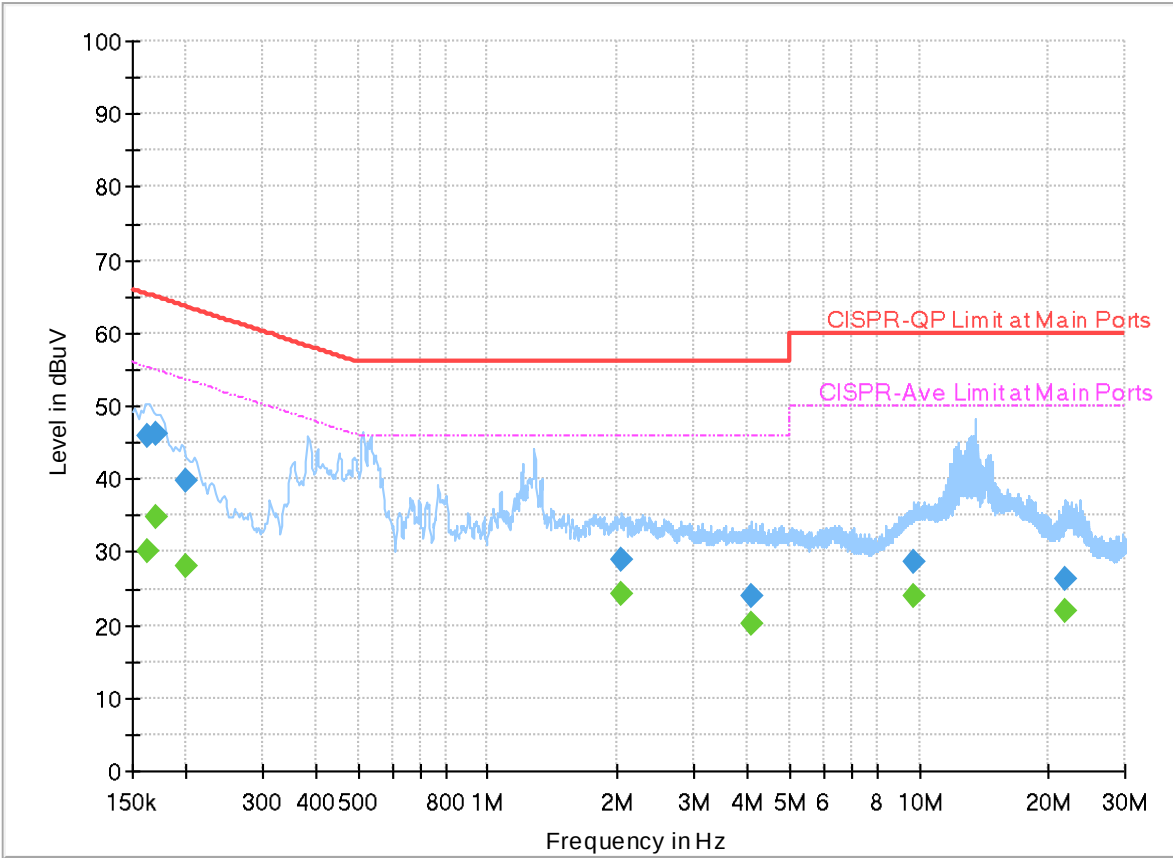
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.165570	---	31.49	55.18	23.69	L1	FLO	19.9
0.165570	46.31	---	65.18	18.87	L1	FLO	19.9
0.208140	---	28.88	53.28	24.40	L1	FLO	19.9
0.208140	40.70	---	63.28	22.58	L1	FLO	19.9
0.242160	---	26.59	52.02	25.43	L1	FLO	19.9
0.242160	35.30	---	62.02	26.72	L1	FLO	19.9
0.519000	---	23.01	46.00	22.99	L1	FLO	19.9
0.519000	28.76	---	56.00	27.24	L1	FLO	19.9
2.899950	---	24.55	46.00	21.45	L1	FLO	20.0
2.899950	31.03	---	56.00	24.97	L1	FLO	20.0
3.747750	---	24.48	46.00	21.52	L1	FLO	20.0
3.747750	29.72	---	56.00	26.28	L1	FLO	20.0
22.043490	---	20.87	50.00	29.13	L1	FLO	20.2
22.043490	25.26	---	60.00	34.74	L1	FLO	20.2

EUT Information

Report NO :
Test Mode :
Test Voltage :
Phase :

480504
Mode 1
120Vac/60Hz
Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.162780	---	30.02	55.32	25.30	N	FLO	19.9
0.162780	45.80	---	65.32	19.52	N	FLO	19.9
0.170250	---	34.74	54.95	20.21	N	FLO	19.9
0.170250	46.33	---	64.95	18.62	N	FLO	19.9
0.198420	---	27.93	53.68	25.75	N	FLO	19.9
0.198420	39.80	---	63.68	23.88	N	FLO	19.9
2.044500	---	24.18	46.00	21.82	N	FLO	20.0
2.044500	29.05	---	56.00	26.95	N	FLO	20.0
4.092000	---	20.06	46.00	25.94	N	FLO	20.0
4.092000	23.97	---	56.00	32.03	N	FLO	20.0
9.748500	---	23.90	50.00	26.10	N	FLO	20.1
9.748500	28.55	---	60.00	31.45	N	FLO	20.1
21.898950	---	21.88	50.00	28.12	N	FLO	20.2
21.898950	26.22	---	60.00	33.78	N	FLO	20.2



Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	Kevin Hsu, Fu Chen and Troye Hsieh	Temperature :	20.0~21.9°C
		Relative Humidity :	51.2~68.95%

Note symbol

-L	Low channel location
-R	High channel location



C1. Radiated Spurious Emission Test Modes

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	U-NII-1	5.15-5.25	3+1	802.11a	36	5180	6Mbps	-	-
Mode 2	U-NII-1	5.15-5.25	3+1	802.11a	44	5220	6Mbps	-	-
Mode 3	U-NII-1	5.15-5.25	3+1	802.11a	48	5240	6Mbps	-	-
Mode 4	U-NII-2A	5.25-5.35	3+1	802.11a	52	5260	6Mbps	-	-
Mode 5	U-NII-2A	5.15-5.25	3+1	802.11a	60	5300	6Mbps	-	-
Mode 6	U-NII-2A	5.15-5.25	3+1	802.11a	64	5320	6Mbps	-	-
Mode 7	U-NII-2C	5.15-5.25	3+1	802.11a	100	5500	6Mbps	-	-
Mode 8	U-NII-2C	5.15-5.25	3+1	802.11a	116	5580	6Mbps	-	-
Mode 9	U-NII-2C	5.15-5.25	3+1	802.11a	140	5700	6Mbps	-	-
Mode 10	U-NII-2C	5.15-5.25	3+1	802.11a	144	5720	6Mbps	-	-
Mode 11	U-NII-1	5.25-5.35	3+1	802.11n HT20	36	5180	MCS0	-	-
Mode 12	U-NII-1	5.25-5.35	3+1	802.11n HT20	44	5220	MCS0	-	-
Mode 13	U-NII-1	5.25-5.35	3+1	802.11n HT20	48	5240	MCS0	-	-
Mode 14	U-NII-2A	5.25-5.35	3+1	802.11n HT20	52	5260	MCS0	-	-
Mode 15	U-NII-2A	5.25-5.35	3+1	802.11n HT20	60	5300	MCS0	-	-
Mode 16	U-NII-2A	5.25-5.35	3+1	802.11n HT20	64	5320	MCS0	-	-
Mode 17	U-NII-2C	5.25-5.35	3+1	802.11n HT20	100	5500	MCS0	-	-
Mode 18	U-NII-2C	5.25-5.35	3+1	802.11n HT20	116	5580	MCS0	-	-
Mode 19	U-NII-2C	5.25-5.35	3+1	802.11n HT20	140	5700	MCS0	-	-
Mode 20	U-NII-2C	5.25-5.35	3+1	802.11n HT20	144	5720	MCS0	-	-
Mode 21	U-NII-1	5.25-5.35	3+1	802.11n HT40	38	5190	MCS0	-	-
Mode 22	U-NII-1	5.47-5.725	3+1	802.11n HT40	46	5230	MCS0	-	-
Mode 23	U-NII-2A	5.47-5.725	3+1	802.11n HT40	54	5270	MCS0	-	-
Mode 24	U-NII-2A	5.47-5.725	3+1	802.11n HT40	62	5310	MCS0	-	-
Mode 25	U-NII-2C	5.47-5.725	3+1	802.11n HT40	102	5510	MCS0	-	-
Mode 26	U-NII-2C	5.47-5.725	3+1	802.11n HT40	110	5550	MCS0	-	-
Mode 27	U-NII-2C	5.47-5.725	3+1	802.11n HT40	134	5670	MCS0	-	-
Mode 28	U-NII-2C	5.47-5.725	3+1	802.11n HT40	142	5710	MCS0	-	-
Mode 29	U-NII-1	5.47-5.725	3+1	802.11ac VHT80	42	5210	MCS0	-	-
Mode 30	U-NII-2A	5.47-5.725	3+1	802.11ac VHT80	58	5290	MCS0	-	-
Mode 31	U-NII-2C	5.47-5.725	3+1	802.11ac VHT80	106	5530	MCS0	-	-
Mode 32	U-NII-2C	5.15-5.25	3+1	802.11ac VHT80	122	5610	MCS0	-	-



Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 33	U-NII-2C	5.15-5.25	3+1	802.11ac VHT80	138	5690	MCS0	-	-
Mode 34	U-NII-1	5.15-5.25	3+1	802.11ac VHT160	50	5250	MCS0	-	-
Mode 35	U-NII-2C	5.15-5.25	3+1	802.11ac VHT160	114	5570	MCS0	-	-
Mode 36	U-NII-1	5.15-5.25	3+1	802.11be EHT20	36	5180	MCS0	Full RU (OFDMA)	-
Mode 37	U-NII-1	5.15-5.25	3+1	802.11be EHT20	44	5220	MCS0	Full RU (OFDMA)	-
Mode 38	U-NII-1	5.15-5.25	3+1	802.11be EHT20	48	5240	MCS0	Full RU (OFDMA)	-
Mode 39	U-NII-2A	5.15-5.25	3+1	802.11be EHT20	52	5260	MCS0	Full RU (OFDMA)	-
Mode 40	U-NII-2A	5.15-5.25	3+1	802.11be EHT20	60	5300	MCS0	Full RU (OFDMA)	-
Mode 41	U-NII-2A	5.25-5.35	3+1	802.11be EHT20	64	5320	MCS0	Full RU (OFDMA)	-
Mode 42	U-NII-2C	5.25-5.35	3+1	802.11be EHT20	100	5500	MCS0	Full RU (OFDMA)	-
Mode 43	U-NII-2C	5.25-5.35	3+1	802.11be EHT20	116	5580	MCS0	Full RU (OFDMA)	-
Mode 44	U-NII-2C	5.25-5.35	3+1	802.11be EHT20	140	5700	MCS0	Full RU (OFDMA)	-
Mode 45	U-NII-2C	5.25-5.35	3+1	802.11be EHT20	144	5720	MCS0	Full RU (OFDMA)	-
Mode 46	U-NII-1	5.25-5.35	3+1	802.11be EHT40	38	5190	MCS0	Full RU (OFDMA)	-
Mode 47	U-NII-1	5.25-5.35	3+1	802.11be EHT40	46	5230	MCS0	Full RU (OFDMA)	-
Mode 48	U-NII-2A	5.25-5.35	3+1	802.11be EHT40	54	5270	MCS0	Full RU (OFDMA)	-
Mode 49	U-NII-2A	5.25-5.35	3+1	802.11be EHT40	62	5310	MCS0	Full RU (OFDMA)	-
Mode 50	U-NII-2C	5.47-5.725	3+1	802.11be EHT40	102	5510	MCS0	Full RU (OFDMA)	-
Mode 51	U-NII-2C	5.47-5.725	3+1	802.11be EHT40	110	5550	MCS0	Full RU (OFDMA)	-
Mode 52	U-NII-2C	5.47-5.725	3+1	802.11be EHT40	134	5670	MCS0	Full RU (OFDMA)	-
Mode 53	U-NII-2C	5.47-5.725	3+1	802.11be EHT40	142	5710	MCS0	Full RU (OFDMA)	-
Mode 54	U-NII-1	5.47-5.725	3+1	802.11be EHT80	42	5210	MCS0	Full RU (OFDMA)	-
Mode 55	U-NII-2A	5.47-5.725	3+1	802.11be EHT80	58	5290	MCS0	Full RU (OFDMA)	-
Mode 56	U-NII-2C	5.47-5.725	3+1	802.11be EHT80	106	5530	MCS0	Full RU (OFDMA)	-
Mode 57	U-NII-2C	5.47-5.725	3+1	802.11be EHT80	122	5610	MCS0	Full RU (OFDMA)	-
Mode 58	U-NII-2C	5.47-5.725	3+1	802.11be EHT80	138	5690	MCS0	Full RU (OFDMA)	-
Mode 59	U-NII-1	5.47-5.725	3+1	802.11be EHT160	50	5250	MCS0	Full RU (OFDMA)	-
Mode 60	U-NII-2C	5.47-5.725	3+1	802.11be EHT160	114	5570	MCS0	Full RU (OFDMA)	-
Mode 61	U-NII-2C	5.47-5.725	3+1	802.11be EHT240	122	5610	MCS0	Full RU (OFDMA)	-
Mode 62	U-NII-1	5.15-5.25	3	11a	36	5180	6Mbps	-	-
Mode 63	U-NII-1	5.15-5.25	3	11a	44	5220	6Mbps	-	-



Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 64	U-NII-1	5.15-5.25	3	11a	48	5240	6Mbps	-	-
Mode 65	U-NII-2A	5.25-5.35	3	11a	52	5260	6Mbps	-	-
Mode 66	U-NII-2A	5.15-5.25	3	11a	60	5300	6Mbps	-	-
Mode 67	U-NII-2A	5.15-5.25	3	11a	64	5320	6Mbps	-	-
Mode 68	U-NII-2C	5.15-5.25	3	11a	100	5500	6Mbps	-	-
Mode 69	U-NII-2C	5.15-5.25	3	11a	116	5580	6Mbps	-	-
Mode 70	U-NII-2C	5.15-5.25	3	11a	140	5700	6Mbps	-	-
Mode 71	U-NII-2C	5.15-5.25	3	11a	144	5720	6Mbps	-	-
Mode 72	U-NII-1	5.25-5.35	3	802.11n HT20	36	5180	MCS0	-	-
Mode 73	U-NII-1	5.25-5.35	3	802.11n HT20	44	5220	MCS0	-	-
Mode 74	U-NII-1	5.25-5.35	3	802.11n HT20	48	5240	MCS0	-	-
Mode 75	U-NII-2A	5.25-5.35	3	802.11n HT20	52	5260	MCS0	-	-
Mode 76	U-NII-2A	5.25-5.35	3	802.11n HT20	60	5300	MCS0	-	-
Mode 77	U-NII-2A	5.25-5.35	3	802.11n HT20	64	5320	MCS0	-	-
Mode 78	U-NII-2C	5.25-5.35	3	802.11n HT20	100	5500	MCS0	-	-
Mode 79	U-NII-2C	5.25-5.35	3	802.11n HT20	116	5580	MCS0	-	-
Mode 80	U-NII-2C	5.25-5.35	3	802.11n HT20	140	5700	MCS0	-	-
Mode 81	U-NII-2C	5.25-5.35	3	802.11n HT20	144	5720	MCS0	-	-
Mode 82	U-NII-1	5.25-5.35	3	802.11n HT40	38	5190	MCS0	-	-
Mode 83	U-NII-1	5.47-5.725	3	802.11n HT40	46	5230	MCS0	-	-
Mode 84	U-NII-2A	5.47-5.725	3	802.11n HT40	54	5270	MCS0	-	-
Mode 85	U-NII-2A	5.47-5.725	3	802.11n HT40	62	5310	MCS0	-	-
Mode 86	U-NII-2C	5.47-5.725	3	802.11n HT40	102	5510	MCS0	-	-
Mode 87	U-NII-2C	5.47-5.725	3	802.11n HT40	110	5550	MCS0	-	-
Mode 88	U-NII-2C	5.47-5.725	3	802.11n HT40	134	5670	MCS0	-	-
Mode 89	U-NII-2C	5.47-5.725	3	802.11n HT40	142	5710	MCS0	-	-
Mode 90	U-NII-1	5.47-5.725	3	802.11ac VHT80	42	5210	MCS0	-	-
Mode 91	U-NII-2A	5.47-5.725	3	802.11ac VHT80	58	5290	MCS0	-	-
Mode 92	U-NII-2C	5.47-5.725	3	802.11ac VHT80	106	5530	MCS0	-	-
Mode 93	U-NII-2C	5.15-5.25	3	802.11ac VHT80	122	5610	MCS0	-	-
Mode 94	U-NII-2C	5.15-5.25	3	802.11ac VHT80	138	5690	MCS0	-	-
Mode 95	U-NII-1	5.15-5.25	3	802.11ac VHT160	50	5250	MCS0	-	-



Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 96	U-NII-2C	5.15-5.25	3	802.11ac VHT160	114	5570	MCS0	-	-
Mode 97	U-NII-1	5.15-5.25	3	802.11be EHT20	36	5180	MCS0	Full RU (OFDMA)	-
Mode 98	U-NII-1	5.15-5.25	3	802.11be EHT20	44	5220	MCS0	Full RU (OFDMA)	-
Mode 99	U-NII-1	5.15-5.25	3	802.11be EHT20	48	5240	MCS0	Full RU (OFDMA)	-
Mode 100	U-NII-2A	5.15-5.25	3	802.11be EHT20	52	5260	MCS0	Full RU (OFDMA)	-
Mode 101	U-NII-2A	5.15-5.25	3	802.11be EHT20	60	5300	MCS0	Full RU (OFDMA)	-
Mode 102	U-NII-2A	5.25-5.35	3	802.11be EHT20	64	5320	MCS0	Full RU (OFDMA)	-
Mode 103	U-NII-2C	5.25-5.35	3	802.11be EHT20	100	5500	MCS0	Full RU (OFDMA)	-
Mode 104	U-NII-2C	5.25-5.35	3	802.11be EHT20	116	5580	MCS0	Full RU (OFDMA)	-
Mode 105	U-NII-2C	5.25-5.35	3	802.11be EHT20	140	5700	MCS0	Full RU (OFDMA)	-
Mode 106	U-NII-2C	5.25-5.35	3	802.11be EHT20	144	5720	MCS0	Full RU (OFDMA)	-
Mode 107	U-NII-1	5.25-5.35	3	802.11be EHT40	38	5190	MCS0	Full RU (OFDMA)	-
Mode 108	U-NII-1	5.25-5.35	3	802.11be EHT40	46	5230	MCS0	Full RU (OFDMA)	-
Mode 109	U-NII-2A	5.25-5.35	3	802.11be EHT40	54	5270	MCS0	Full RU (OFDMA)	-
Mode 110	U-NII-2A	5.25-5.35	3	802.11be EHT40	62	5310	MCS0	Full RU (OFDMA)	-
Mode 111	U-NII-2C	5.47-5.725	3	802.11be EHT40	102	5510	MCS0	Full RU (OFDMA)	-
Mode 112	U-NII-2C	5.47-5.725	3	802.11be EHT40	110	5550	MCS0	Full RU (OFDMA)	-
Mode 113	U-NII-2C	5.47-5.725	3	802.11be EHT40	134	5670	MCS0	Full RU (OFDMA)	-
Mode 114	U-NII-2C	5.47-5.725	3	802.11be EHT40	142	5710	MCS0	Full RU (OFDMA)	-
Mode 115	U-NII-1	5.47-5.725	3	802.11be EHT80	42	5210	MCS0	Full RU (OFDMA)	-
Mode 116	U-NII-2A	5.47-5.725	3	802.11be EHT80	58	5290	MCS0	Full RU (OFDMA)	-
Mode 117	U-NII-2C	5.47-5.725	3	802.11be EHT80	106	5530	MCS0	Full RU (OFDMA)	-
Mode 118	U-NII-2C	5.47-5.725	3	802.11be EHT80	122	5610	MCS0	Full RU (OFDMA)	-
Mode 119	U-NII-2C	5.47-5.725	3	802.11be EHT80	138	5690	MCS0	Full RU (OFDMA)	-
Mode 120	U-NII-1	5.47-5.725	3	802.11be EHT160	50	5250	MCS0	Full RU (OFDMA)	-
Mode 121	U-NII-2C	5.47-5.725	3	802.11be EHT160	114	5570	MCS0	Full RU (OFDMA)	-
Mode 122	U-NII-2C	5.47-5.725	3	802.11be EHT240	122	5610	MCS0	Full RU (OFDMA)	-
Mode 184	U-NII-1	5.25-5.35	3+1	802.11be EHT40	46	5230	MCS0	Full RU (OFDMA)	SHF
Mode 185	U-NII-1	5.25-5.35	3+1	802.11be EHT40	46	5230	MCS0	Full RU (OFDMA)	LF



C2. Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
1	802.11a	36	5149.94	53.76	54.00	-0.24	V	Avg.	Pass	-	Band Edge
	802.11a	36	10360.00	45.49	68.20	-22.71	V	Peak	Pass	-	Harmonic
2	802.11a	44	5149.60	46.61	54.00	-7.39	V	Avg.	Pass	-	Band Edge
	802.11a	44	10440.00	45.87	68.20	-22.33	V	Peak	Pass	-	Harmonic
3	802.11a	48	5144.00	45.57	54.00	-8.43	V	Avg.	Pass	-	Band Edge
	802.11a	48	10480.00	45.14	68.20	-23.06	H	Peak	Pass	-	Harmonic
4	802.11a	52	5459.60	46.39	54.00	-7.61	V	Avg.	Pass	-	Band Edge
	802.11a	52	10520.00	44.83	68.20	-23.37	H	Peak	Pass	-	Harmonic
5	802.11a	60	5352.96	46.82	54.00	-7.18	V	Avg.	Pass	-	Band Edge
	802.11a	60	15900.00	44.57	74.00	-29.43	V	Peak	Pass	-	Harmonic
6	802.11a	64	5350.80	53.23	54.00	-0.77	V	Avg.	Pass	-	Band Edge
	802.11a	64	10640.00	45.72	74.00	-28.28	H	Peak	Pass	-	Harmonic
7	802.11a	100	5469.55	64.86	68.20	-3.34	V	Peak	Pass	-	Band Edge
	802.11a	100	16500.00	47.61	68.20	-20.59	H	Peak	Pass	-	Harmonic
8	802.11a	116	5390.71	46.74	54.00	-7.26	V	Avg.	Pass	-	Band Edge
	802.11a	116	16740.00	47.34	68.20	-20.86	H	Peak	Pass	-	Harmonic
9	802.11a	140	5725.03	66.68	68.20	-1.52	V	Peak	Pass	-	Band Edge
	802.11a	140	17100.00	46.31	68.20	-21.89	V	Peak	Pass	-	Harmonic
10	802.11a	144	5429.56	45.92	54.00	-8.08	V	Avg.	Pass	-	Band Edge
	802.11a	144	17160.00	46.53	68.20	-21.67	H	Peak	Pass	-	Harmonic
11	802.11n HT20	36	5149.58	52.36	54.00	-1.64	V	Avg.	Pass	-	Band Edge
	802.11n HT20	36	10360.00	46.84	68.20	-21.36	H	Peak	Pass	-	Harmonic
12	802.11n HT20	44	5149.16	46.22	54.00	-7.78	V	Avg.	Pass	-	Band Edge
	802.11n HT20	44	10440.00	45.31	68.20	-22.89	V	Peak	Pass	-	Harmonic
13	802.11n HT20	48	5148.56	45.51	54.00	-8.49	V	Avg.	Pass	-	Band Edge
	802.11n HT20	48	10480.00	46.15	68.20	-22.05	H	Peak	Pass	-	Harmonic
14	802.11n HT20	52	5447.20	45.65	54.00	-8.35	V	Avg.	Pass	-	Band Edge
	802.11n HT20	52	10520.00	44.25	68.20	-23.95	H	Peak	Pass	-	Harmonic
15	802.11n HT20	60	5351.20	49.89	54.00	-4.11	V	Avg.	Pass	-	Band Edge
	802.11n HT20	60	15900.00	45.07	74.00	-28.93	H	Peak	Pass	-	Harmonic



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
16	802.11n HT20	64	5350.52	53.56	54.00	-0.44	V	Avg.	Pass	-	Band Edge
	802.11n HT20	64	10640.00	44.94	74.00	-29.06	V	Peak	Pass	-	Harmonic
17	802.11n HT20	100	5469.25	63.49	68.20	-4.71	V	Peak	Pass	-	Band Edge
	802.11n HT20	100	16500.00	47.34	68.20	-20.86	V	Peak	Pass	-	Harmonic
18	802.11n HT20	116	5458.33	46.18	54.00	-7.82	V	Avg.	Pass	-	Band Edge
	802.11n HT20	116	16740.00	46.75	68.20	-21.45	H	Peak	Pass	-	Harmonic
19	802.11n HT20	140	5725.16	67.01	68.20	-1.19	V	Peak	Pass	-	Band Edge
	802.11n HT20	140	17100.00	46.53	68.20	-21.67	H	Peak	Pass	-	Harmonic
20	802.11n HT20	144	5438.92	45.39	54.00	-8.61	V	Avg.	Pass	-	Band Edge
	802.11n HT20	144	17160.00	45.72	68.20	-22.48	H	Peak	Pass	-	Harmonic
21	802.11n HT40	38	5149.53	53.28	54.00	-0.72	V	Avg.	Pass	-	Band Edge
	802.11n HT40	38	-	-	-	-	-	-	-	-	Harmonic
22	802.11n HT40	46	5149.73	52.38	54.00	-1.62	V	Avg.	Pass	-	Band Edge
	802.11n HT40	46	-	-	-	-	-	-	-	-	Harmonic
23	802.11n HT40	54	5351.13	52.84	54.00	-1.16	V	Avg.	Pass	-	Band Edge
	802.11n HT40	54	-	-	-	-	-	-	-	-	Harmonic
24	802.11n HT40	62	5350.05	52.72	54.00	-1.28	V	Avg.	Pass	-	Band Edge
	802.11n HT40	62	-	-	-	-	-	-	-	-	Harmonic
25	802.11n HT40	102	5469.84	67.39	68.20	-0.81	V	Peak	Pass	-	Band Edge
	802.11n HT40	102	-	-	-	-	-	-	-	-	Harmonic
26	802.11n HT40	110	5468.40	64.94	68.20	-3.26	V	Peak	Pass	-	Band Edge
	802.11n HT40	110	-	-	-	-	-	-	-	-	Harmonic
27	802.11n HT40	134	5726.81	64.74	68.20	-3.46	V	Peak	Pass	-	Band Edge
	802.11n HT40	134	-	-	-	-	-	-	-	-	Harmonic
28	802.11n HT40	142	5437.75	46.60	54.00	-7.40	V	Avg.	Pass	-	Band Edge
	802.11n HT40	142	-	-	-	-	-	-	-	-	Harmonic
29	802.11ac VHT80	42	5149.94	52.63	54.00	-1.37	V	Avg.	Pass	-	Band Edge
	802.11ac VHT80	42	-	-	-	-	-	-	-	-	Harmonic
30	802.11ac VHT80	58	5350.18	53.15	54.00	-0.85	V	Avg.	Pass	-	Band Edge
	802.11ac VHT80	58	-	-	-	-	-	-	-	-	Harmonic



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
31	802.11ac VHT80	106	5452.06	53.20	54.00	-0.80	V	Avg.	Pass	-	Band Edge
	802.11ac VHT80	106	-	-	-	-	-	-	-	-	Harmonic
32	802.11ac VHT80	122	5459.46	49.04	54.00	-4.96	V	Avg.	Pass	-	Band Edge
	802.11ac VHT80	122	-	-	-	-	-	-	-	-	Harmonic
33	802.11ac VHT80	138	5379.64	52.25	54.00	-1.75	V	Avg.	Pass	-	Band Edge
	802.11ac VHT80	138	-	-	-	-	-	-	-	-	Harmonic
34	802.11ac VHT160	50	5141.75	53.38	54.00	-0.62	V	Avg.	Pass	-	Band Edge
	802.11ac VHT160	50	-	-	-	-	-	-	-	-	Harmonic
35	802.11ac VHT160	114	5444.16	53.10	54.00	-0.90	V	Avg.	Pass	-	Band Edge
	802.11ac VHT160	114	-	-	-	-	-	-	-	-	Harmonic
36	802.11be EHT20	36	5149.94	52.79	54.00	-1.21	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT20	36	10360.00	45.20	68.20	-23.00	H	Peak	Pass	Full RU (OFDMA)	Harmonic
37	802.11be EHT20	44	5149.82	47.73	54.00	-6.27	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT20	44	10440.00	45.60	68.20	-22.60	V	Peak	Pass	Full RU (OFDMA)	Harmonic
38	802.11be EHT20	48	5148.08	45.90	54.00	-8.10	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT20	48	10480.00	45.50	68.20	-22.70	H	Peak	Pass	Full RU (OFDMA)	Harmonic
39	802.11be EHT20	52	5446.60	45.08	54.00	-8.92	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT20	52	10520.00	44.18	68.20	-24.02	V	Peak	Pass	Full RU (OFDMA)	Harmonic
40	802.11be EHT20	60	5350.40	51.69	54.00	-2.31	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT20	60	15900.00	45.46	74.00	-28.54	H	Peak	Pass	Full RU (OFDMA)	Harmonic
41	802.11be EHT20	64	5350.80	50.46	54.00	-3.54	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT20	64	15960.00	45.43	74.00	-28.57	H	Peak	Pass	Full RU (OFDMA)	Harmonic
42	802.11be EHT20	100	5467.75	65.11	68.20	-3.09	V	Peak	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT20	100	16500.00	47.80	68.20	-20.40	V	Peak	Pass	Full RU (OFDMA)	Harmonic
43	802.11be EHT20	116	5379.90	47.05	54.00	-6.95	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT20	116	16740.00	46.34	68.20	-21.86	H	Peak	Pass	Full RU (OFDMA)	Harmonic
44	802.11be EHT20	140	5725.42	66.99	68.20	-1.21	V	Peak	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT20	140	17100.00	46.81	68.20	-21.39	H	Peak	Pass	Full RU (OFDMA)	Harmonic
45	802.11be EHT20	144	5440.87	45.90	54.00	-8.10	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT20	144	17160.00	45.29	68.20	-22.91	H	Peak	Pass	Full RU (OFDMA)	Harmonic



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
46	802.11be EHT40	38	5149.72	53.13	54.00	-0.87	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT40	38	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
47	802.11be EHT40	46	5149.96	53.89	54.00	-0.11	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT40	46	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
48	802.11be EHT40	54	5351.89	52.59	54.00	-1.41	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT40	54	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
49	802.11be EHT40	62	5350.05	52.70	54.00	-1.30	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT40	62	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
50	802.11be EHT40	102	5469.04	67.08	68.20	-1.12	V	Peak	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT40	102	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
51	802.11be EHT40	110	5469.20	63.80	68.20	-4.40	V	Peak	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT40	110	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
52	802.11be EHT40	134	5725.29	65.69	68.20	-2.51	V	Peak	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT40	134	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
53	802.11be EHT40	142	5417.08	45.94	54.00	-8.06	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT40	142	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
54	802.11be EHT80	42	5148.89	53.76	54.00	-0.24	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT80	42	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
55	802.11be EHT80	58	5352.90	53.52	54.00	-0.48	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT80	58	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
56	802.11be EHT80	106	5447.38	52.85	54.00	-1.15	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT80	106	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
57	802.11be EHT80	122	5728.73	66.93	68.20	-1.27	V	Peak	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT80	122	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
58	802.11be EHT80	138	5397.58	52.14	54.00	-1.86	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT80	138	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
59	802.11be EHT160	50	5147.75	53.44	54.00	-0.56	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT160	50	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
60	802.11be EHT160	114	5730.88	67.46	68.20	-0.74	V	Peak	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT160	114	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
61	802.11be EHT240	122	5467.78	65.89	68.20	-2.31	V	Peak	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT240	122	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
62	11a	36	5149.40	52.54	54.00	-1.46	V	Avg.	Pass	-	Band Edge
	11a	36	10360.00	43.57	68.20	-24.63	H	Peak	Pass	-	Harmonic
63	11a	44	5148.28	45.49	54.00	-8.51	V	Avg.	Pass	-	Band Edge
	11a	44	10440.00	41.56	68.20	-26.64	H	Peak	Pass	-	Harmonic
64	11a	48	5432.94	44.81	54.00	-9.19	V	Avg.	Pass	-	Band Edge
	11a	48	10480.00	40.93	68.20	-27.27	V	Peak	Pass	-	Harmonic
65	11a	52	5449.40	45.34	54.00	-8.66	V	Avg.	Pass	-	Band Edge
	11a	52	10520.00	44.82	68.20	-23.38	V	Peak	Pass	-	Harmonic
66	11a	60	5350.08	47.41	54.00	-6.59	V	Avg.	Pass	-	Band Edge
	11a	60	15900.00	45.60	74.00	-28.40	V	Peak	Pass	-	Harmonic
67	11a	64	5350.52	51.55	54.00	-2.45	V	Avg.	Pass	-	Band Edge
	11a	64	15960.00	44.44	74.00	-29.56	H	Peak	Pass	-	Harmonic
68	11a	100	5469.55	67.30	68.20	-0.90	V	Peak	Pass	-	Band Edge
	11a	100	16500.00	47.54	68.20	-20.66	H	Peak	Pass	-	Harmonic
69	11a	116	5441.54	46.10	54.00	-7.90	V	Avg.	Pass	-	Band Edge
	11a	116	16740.00	46.14	68.20	-22.06	V	Peak	Pass	-	Harmonic
70	11a	140	5726.91	66.77	68.20	-1.43	V	Peak	Pass	-	Band Edge
	11a	140	17100.00	47.52	68.20	-20.68	H	Peak	Pass	-	Harmonic
71	11a	144	5454.13	43.48	54.00	-10.52	V	Avg.	Pass	-	Band Edge
	11a	144	17160.00	45.82	68.20	-22.38	V	Peak	Pass	-	Harmonic
72	802.11n HT20	36	5149.58	52.17	54.00	-1.83	V	Avg.	Pass	-	Band Edge
	802.11n HT20	36	10360.00	45.47	68.20	-22.73	H	Peak	Pass	-	Harmonic
73	802.11n HT20	44	5147.84	45.72	54.00	-8.28	V	Avg.	Pass	-	Band Edge
	802.11n HT20	44	10440.00	45.36	68.20	-22.84	V	Peak	Pass	-	Harmonic
74	802.11n HT20	48	5138.24	44.55	54.00	-9.45	V	Avg.	Pass	-	Band Edge
	802.11n HT20	48	10480.00	45.78	68.20	-22.42	V	Peak	Pass	-	Harmonic
75	802.11n HT20	52	5138.58	44.23	54.00	-9.77	V	Avg.	Pass	-	Band Edge
	802.11n HT20	52	10520.00	44.70	68.20	-23.50	V	Peak	Pass	-	Harmonic



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
76	802.11n HT20	60	5351.36	47.98	54.00	-6.02	V	Avg.	Pass	-	Band Edge
	802.11n HT20	60	15900.00	45.55	74.00	-28.45	H	Peak	Pass	-	Harmonic
77	802.11n HT20	64	5350.10	52.08	54.00	-1.92	V	Avg.	Pass	-	Band Edge
	802.11n HT20	64	15960.00	45.30	74.00	-28.70	V	Peak	Pass	-	Harmonic
78	802.11n HT20	100	5468.80	65.13	68.20	-3.07	V	Peak	Pass	-	Band Edge
	802.11n HT20	100	16500.00	47.56	68.20	-20.64	H	Peak	Pass	-	Harmonic
79	802.11n HT20	116	5389.79	43.06	54.00	-10.94	H	Avg.	Pass	-	Band Edge
	802.11n HT20	116	16740.00	46.26	68.20	-21.94	H	Peak	Pass	-	Harmonic
80	802.11n HT20	140	5725.42	64.50	68.20	-3.70	V	Peak	Pass	-	Band Edge
	802.11n HT20	140	17100.00	46.52	68.20	-21.68	H	Peak	Pass	-	Harmonic
81	802.11n HT20	144	5455.30	44.31	54.00	-9.69	V	Avg.	Pass	-	Band Edge
	802.11n HT20	144	17160.00	45.62	68.20	-22.58	V	Peak	Pass	-	Harmonic
82	802.11n HT40	38	5149.15	51.79	54.00	-2.21	V	Avg.	Pass	-	Band Edge
	802.11n HT40	38	-	-	-	-	-	-	-	-	Harmonic
83	802.11n HT40	46	5149.96	51.88	54.00	-2.12	V	Avg.	Pass	-	Band Edge
	802.11n HT40	46	-	-	-	-	-	-	-	-	Harmonic
84	802.11n HT40	54	5350.56	50.16	54.00	-3.84	V	Avg.	Pass	-	Band Edge
	802.11n HT40	54	-	-	-	-	-	-	-	-	Harmonic
85	802.11n HT40	62	5352.30	52.24	54.00	-1.76	V	Avg.	Pass	-	Band Edge
	802.11n HT40	62	-	-	-	-	-	-	-	-	Harmonic
86	802.11n HT40	102	5464.56	65.87	68.20	-2.33	V	Peak	Pass	-	Band Edge
	802.11n HT40	102	-	-	-	-	-	-	-	-	Harmonic
87	802.11n HT40	110	5459.20	49.60	54.00	-4.40	V	Avg.	Pass	-	Band Edge
	802.11n HT40	110	-	-	-	-	-	-	-	-	Harmonic
88	802.11n HT40	134	5729.57	66.96	68.20	-1.24	V	Peak	Pass	-	Band Edge
	802.11n HT40	134	-	-	-	-	-	-	-	-	Harmonic
89	802.11n HT40	142	5417.86	43.50	54.00	-10.50	V	Avg.	Pass	-	Band Edge
	802.11n HT40	142	-	-	-	-	-	-	-	-	Harmonic
90	802.11ac VHT80	42	5148.89	52.07	54.00	-1.93	V	Avg.	Pass	-	Band Edge
	802.11ac VHT80	42	-	-	-	-	-	-	-	-	Harmonic



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
91	802.11ac VHT80	58	5350.01	53.36	54.00	-0.64	V	Avg.	Pass	-	Band Edge
	802.11ac VHT80	58	-	-	-	-	-	-	-	-	Harmonic
92	802.11ac VHT80	106	5457.46	53.36	54.00	-0.64	V	Avg.	Pass	-	Band Edge
	802.11ac VHT80	106	-	-	-	-	-	-	-	-	Harmonic
93	802.11ac VHT80	122	5727.18	63.69	68.20	-4.51	V	Peak	Pass	-	Band Edge
	802.11ac VHT80	122	-	-	-	-	-	-	-	-	Harmonic
94	802.11ac VHT80	138	5850.10	60.51	68.20	-7.69	V	Peak	Pass	-	Band Edge
	802.11ac VHT80	138	-	-	-	-	-	-	-	-	Harmonic
95	802.11ac VHT160	50	5149.25	51.84	54.00	-2.16	V	Avg.	Pass	-	Band Edge
	802.11ac VHT160	50	-	-	-	-	-	-	-	-	Harmonic
96	802.11ac VHT160	114	5450.54	52.63	54.00	-1.37	V	Avg.	Pass	-	Band Edge
	802.11ac VHT160	114	-	-	-	-	-	-	-	-	Harmonic
97	802.11be EHT20	36	5149.22	50.66	54.00	-3.34	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT20	36	10360.00	45.70	68.20	-22.50	H	Peak	Pass	Full RU (OFDMA)	Harmonic
98	802.11be EHT20	44	5147.62	45.39	54.00	-8.61	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT20	44	10440.00	44.26	68.20	-23.94	H	Peak	Pass	Full RU (OFDMA)	Harmonic
99	802.11be EHT20	48	5144.24	44.44	54.00	-9.56	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT20	48	10480.00	45.39	68.20	-22.81	H	Peak	Pass	Full RU (OFDMA)	Harmonic
100	802.11be EHT20	52	5352.20	44.56	54.00	-9.44	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT20	52	10520.00	43.98	68.20	-24.22	H	Peak	Pass	Full RU (OFDMA)	Harmonic
101	802.11be EHT20	60	5350.24	49.60	54.00	-4.40	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT20	60	15900.00	45.30	74.00	-28.70	H	Peak	Pass	Full RU (OFDMA)	Harmonic
102	802.11be EHT20	64	5350.80	50.51	54.00	-3.49	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT20	64	15960.00	45.30	74.00	-28.70	V	Peak	Pass	Full RU (OFDMA)	Harmonic
103	802.11be EHT20	100	5467.15	66.62	68.20	-1.58	V	Peak	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT20	100	16500.00	46.83	68.20	-21.37	H	Peak	Pass	Full RU (OFDMA)	Harmonic
104	802.11be EHT20	116	5393.47	45.38	54.00	-8.62	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT20	116	16740.00	46.27	68.20	-21.93	V	Peak	Pass	Full RU (OFDMA)	Harmonic
105	802.11be EHT20	140	5725.55	66.86	68.20	-1.34	V	Peak	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT20	140	17100.00	45.65	68.20	-22.55	H	Peak	Pass	Full RU (OFDMA)	Harmonic

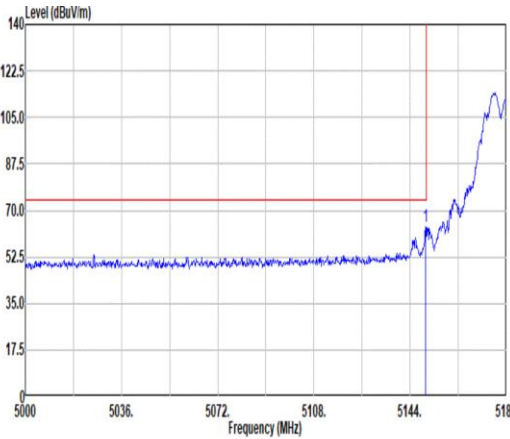
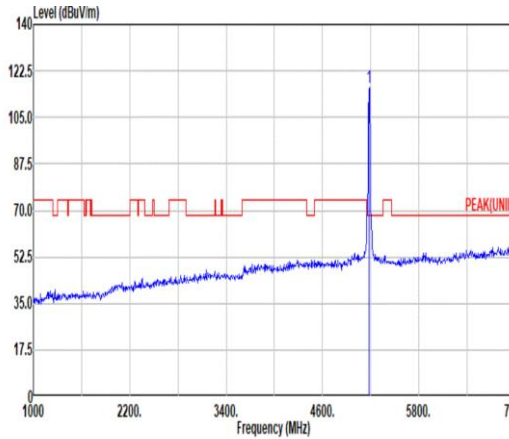
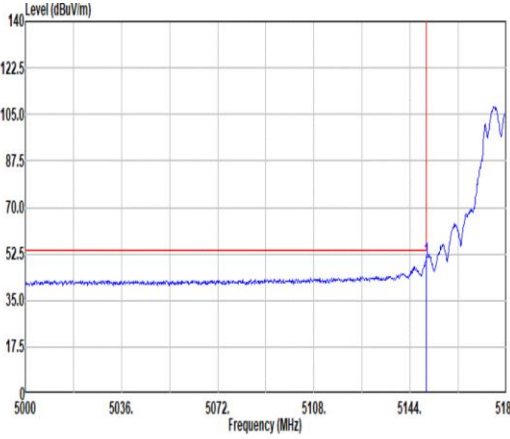
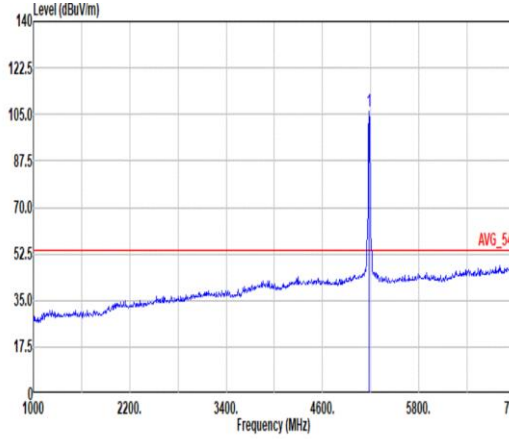


Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
106	802.11be EHT20	144	5438.92	43.99	54.00	-10.01	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT20	144	17160.00	45.99	68.20	-22.21	H	Peak	Pass	Full RU (OFDMA)	Harmonic
107	802.11be EHT40	38	5147.82	53.49	54.00	-0.51	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT40	38	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
108	802.11be EHT40	46	5147.89	51.53	54.00	-2.47	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT40	46	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
109	802.11be EHT40	54	5350.18	50.06	54.00	-3.94	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT40	54	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
110	802.11be EHT40	62	5350.05	52.24	54.00	-1.76	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT40	62	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
111	802.11be EHT40	102	5465.52	67.55	68.20	-0.65	V	Peak	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT40	102	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
112	802.11be EHT40	110	5456.40	49.02	54.00	-4.98	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT40	110	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
113	802.11be EHT40	134	5725.01	64.35	68.20	-3.85	V	Peak	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT40	134	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
114	802.11be EHT40	142	5412.01	44.17	54.00	-9.83	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT40	142	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
115	802.11be EHT80	42	5149.73	51.90	54.00	-2.10	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT80	42	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
116	802.11be EHT80	58	5352.90	52.30	54.00	-1.70	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT80	58	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
117	802.11be EHT80	106	5457.10	51.65	54.00	-2.35	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT80	106	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
118	802.11be EHT80	122	5725.94	67.44	68.20	-0.76	V	Peak	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT80	122	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
119	802.11be EHT80	138	5851.00	64.57	68.20	-3.63	V	Peak	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT80	138	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
120	802.11be EHT160	50	5145.25	53.35	54.00	-0.65	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT160	50	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
121	802.11be EHT160	114	5458.02	52.94	54.00	-1.06	V	Avg.	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT160	114	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
122	802.11be EHT240	122	5865.70	66.46	68.20	-1.74	V	Peak	Pass	Full RU (OFDMA)	Band Edge
	802.11be EHT240	122	-	-	-	-	-	-	-	Full RU (OFDMA)	Harmonic
184	SHF	46	39331.77	44.55	54.00	-9.45	H	Avg.	Pass	Full RU (OFDMA)	SHF
	SHF	46	39322.74	44.55	54.00	-9.45	V	Avg.	Pass	Full RU (OFDMA)	SHF
185	LF	46	46.49	34.41	40.00	-5.59	V	QP	Pass	Full RU (OFDMA)	LF

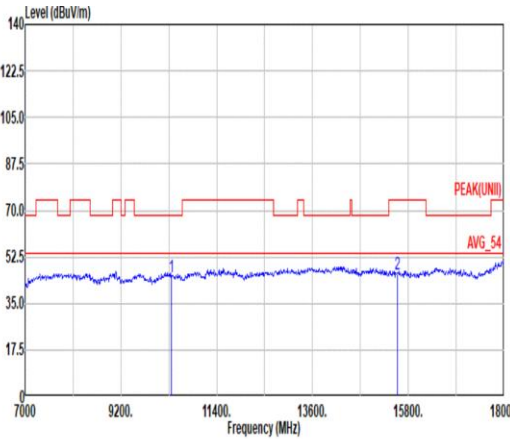
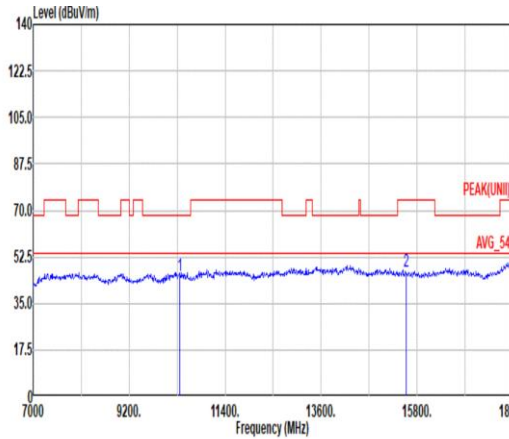


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	<table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5149.76</td><td>63.91</td><td>74.00</td><td>-10.09</td><td>53.31</td><td>33.10</td><td>10.37</td><td>32.87</td><td>0.00</td><td>194</td><td>176</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	Factor					MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5149.76	63.91	74.00	-10.09	53.31	33.10	10.37	32.87	0.00	194	176	PEAK	<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 Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5180.00</td><td>116.39</td><td>-----</td><td>-----</td><td>105.75</td><td>33.10</td><td>10.40</td><td>32.86</td><td>0.00</td><td>194</td><td>176</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	Factor					MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5180.00	116.39	-----	-----	105.75	33.10	10.40	32.86	0.00	194	176
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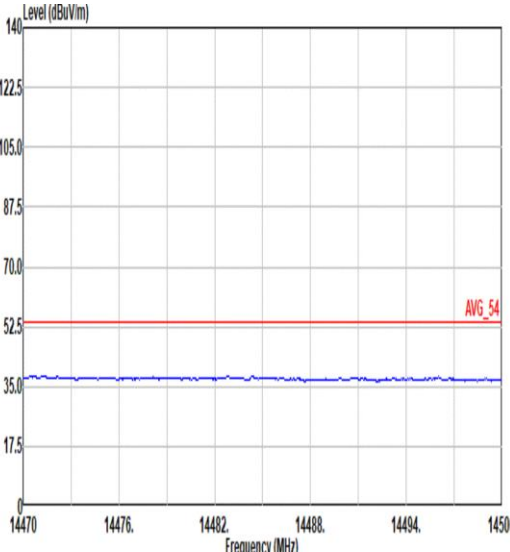
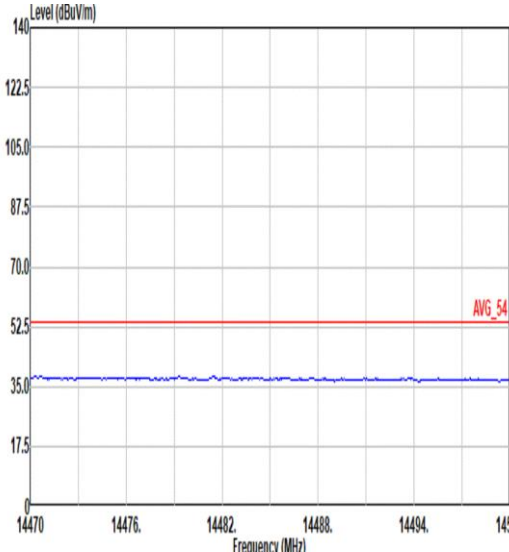
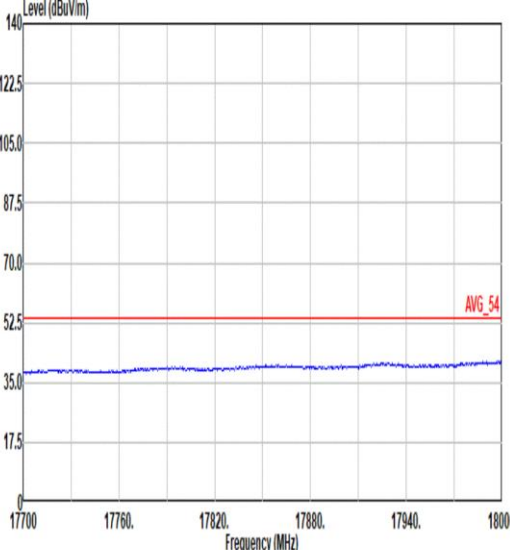
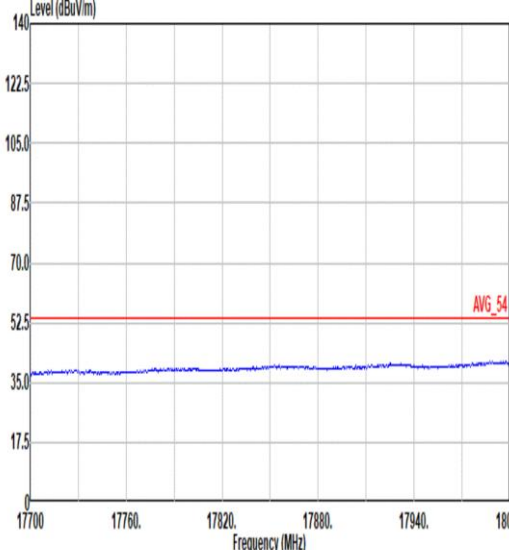


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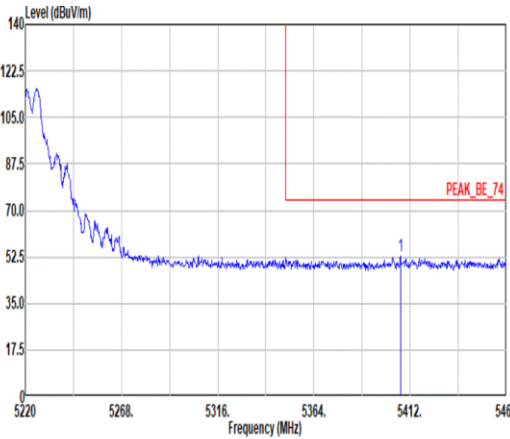
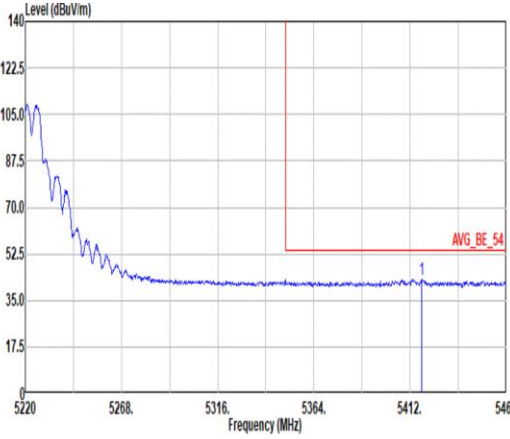


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ANT	3+1	
Pol.	Horizontal	Vertical
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17.7G ~18G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 91280_02038_240729 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 91280_02038_240729 VERTICAL

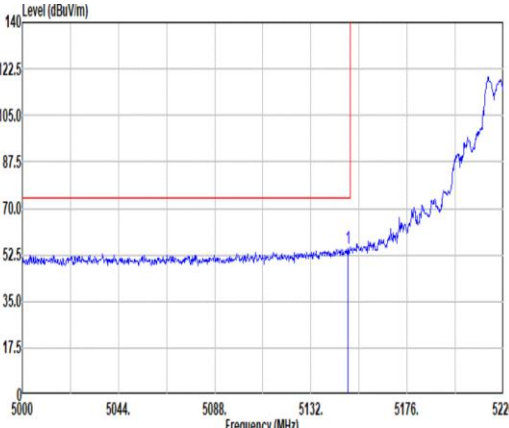
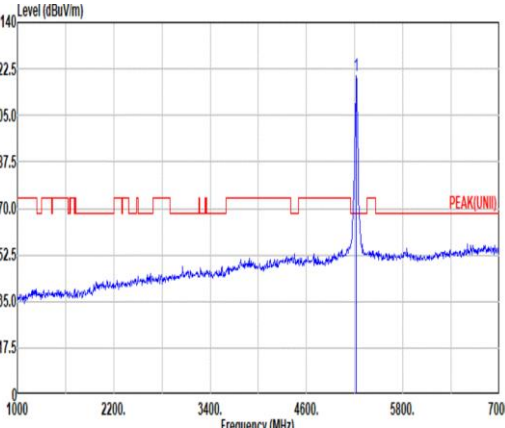
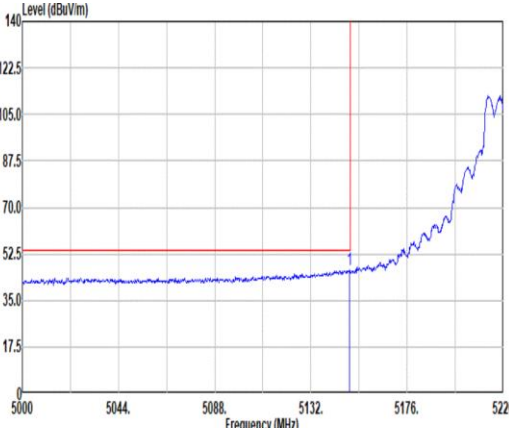
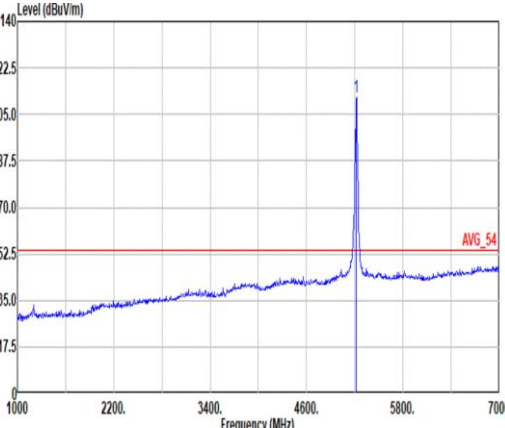


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Mode	Band Edge - L										
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ANT	3+1										
Pol.	Horizontal										
Peak	Fundamental										
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Peak	Fundamental										
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Avg	Fundamental										
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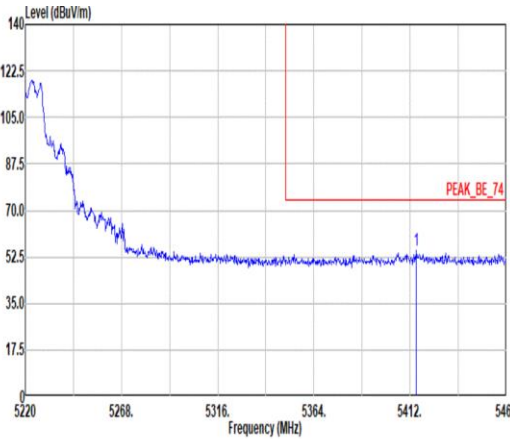
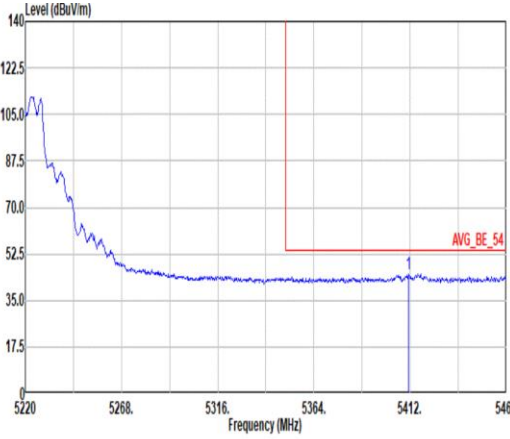


Mode	2																																													
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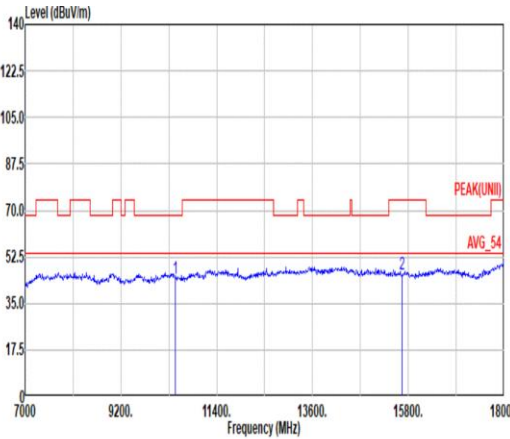
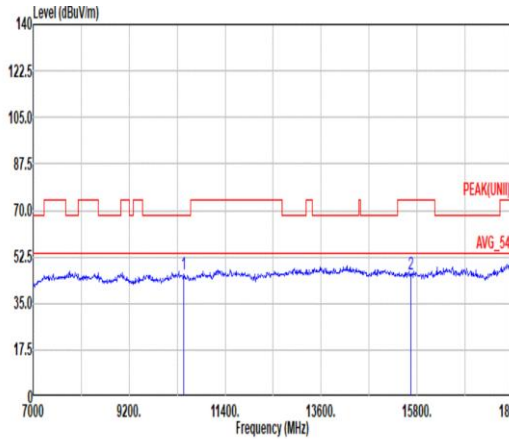


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