FCC RADIO TEST REPORT

FCC ID	:	**2AEM4-71213573**
Equipment	:	**Wireless router/access point**
Brand Name	:	**eero**
Model Name	:	**S010001**
Applicant	:	**eero LLC** **660 3rd Street, 4th Floor, San Francisco, CA 94107, United States of America**
Manufacturer	:	**eero LLC** **660 3rd Street, 4th Floor, San Francisco, CA 94107, United States of America**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Jan. 29, 2024 and testing was performed from Jan. 30, 2024 to Feb. 04, 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 partial 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
FR172723-04	01	Initial issue of report	Feb. 27, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.407(a)(10)	26dB Emission Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)(5)	Fundamental Maximum EIRP	Pass	-
3.3	15.407(a)(5)	Fundamental Power Spectral Density	Pass	-
3.4	15.407(b)(7)	In-Band Emissions (Channel Mask)	Pass	-
3.5	15.407(b)(5)	Unwanted Emissions	Pass	6.08 dB under the limit at 708.49 MHz
3.6	15.203 15.407(a)	Antenna Requirement	Pass	-
Note: The test configuration was designated by manufacturer.				

Conformity Assessment Condition:
1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account. 2. The measurement uncertainty please refer to each test result in the section “Measurement Uncertainty”.
Disclaimer:
The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Avis Chuang

Report Producer: Clio Lo

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs	Bluetooth - LE, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n/ac/ax, Wi-Fi 6GHz 802.11ax and 802.15.4 (ZigBee)
Antenna Type	**WLAN 2.4GHz** <Ant. 6>: Flexible PCB Antenna <Ant. 3>: Flexible PCB Antenna **WLAN 5GHz** <Ant. 4>: Flexible PCB Antenna <Ant. 5>: Flexible PCB Antenna **WLAN 6GHz** <Ant. 7>: Flexible PCB Antenna <Ant. 2>: Flexible PCB Antenna **Bluetooth-LE**: Flexible PCB Antenna **ZigBee**: Flexible PCB Antenna
Device Type	Indoor AP

Antenna information		
5925 MHz ~ 6425 MHz	Peak Gain (dBi)	<Ant. 7>: 3.66 <Ant. 2>: 4.18
6425 MHz ~ 6525 MHz	Peak Gain (dBi)	<Ant. 7>: 3.66 <Ant. 2>: 4.18
6525 MHz ~ 6875 MHz	Peak Gain (dBi)	<Ant. 7>: 3.66 <Ant. 2>: 4.18
6875 MHz ~ 7125 MHz	Peak Gain (dBi)	<Ant. 7>: 3.66 <Ant. 2>: 4.18

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

Specification of Accessories				
Adapter 1	**Brand Name**	eero	**Model Name**	C210001
Adapter 2	**Brand Name**	eero	**Model Name**	C210003
Adapter 3	**Brand Name**	eero	**Model Name**	C210004
Adapter 4	**Brand Name**	eero	**Model Name**	C210005

Remark: The manufacturer declares that all the power supplies listed are electrically identical from one another, the only difference between all the models are the plugs designed for use in different countries. All the test is performed with only one power supply, model C210001 as shown in this report.

1.1.1 Antenna Directional Gain

<For CDD Mode>

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

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

For power measurements on IEEE 802.11 devices,

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

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

For PSD measurements, the directional gain calculation.

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

where

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

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

N_{ANT} = the total number of antennas

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

G_k is the gain in dBi of the kth antenna.

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

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

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

The directional gain “DG” is calculated as following table.

	Chain Port 0 Ant 7 (dBi)	Chain Port 1 Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)
5925 MHz ~ 6425 MHz	3.66	4.18	4.18	6.93
6425 MHz ~ 6525 MHz	3.66	4.18	4.18	6.93
6525 MHz ~ 6875 MHz	3.66	4.18	4.18	6.93
6875 MHz ~ 7125 MHz	3.66	4.18	4.18	6.93

Calculation example:

If a device has two antenna, G_{ANT1}= 3.66dBi; G_{ANT2}=4.18dBi

Directional gain of power measurement = max(3.66, 4.18) + 0 = 4.18 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (3.66 dBi / 20) + 10^ (4.18 dBi / 20)] ^ 2 } / 2 }

= 6.93 dBi

<For STBC Mode>

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For STBC transmissions, directional gain = G_{ANT}

	Chain Port 0 Ant 7 (dBi)	Chain Port 1 Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)
5925 MHz ~ 6425 MHz	3.66	4.18	4.18	4.18
6425 MHz ~ 6525 MHz	3.66	4.18	4.18	4.18
6525 MHz ~ 6875 MHz	3.66	4.18	4.18	4.18
6875 MHz ~ 7125 MHz	3.66	4.18	4.18	4.18

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, 03CH15-HY, 03CH23-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 987594 D02 U-NII 6 GHz EMC Measurement v02r01
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

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

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

Radiated measurements are performed in one orientation which is plane X according to the prescribed placement of the device in normal operation declared by the manufacturer.

2.1 Carrier Frequency and Channel

BW 20M	**Channel**	33	37	41	45	49	53	57	61
	Freq. (MHz)	6115	6135	6155	6175	6195	6215	6235	6255
BW 40M	**Channel**	35		43		51		59	
	Freq. (MHz)	6125		6165		6205		6245	
BW 80M	**Channel**	39				55			
	Freq. (MHz)	6145				6225			
BW 160M	**Channel**	47							
	Freq. (MHz)	6185							

BW 20M	**Channel**	65	69	73	77	81	85	89	93
	Freq. (MHz)	6275	6295	6315	6335	6355	6375	6395	6415
BW 40M	**Channel**	67		75		83		91	
	Freq. (MHz)	6285		6325		6365		6405	
BW 80M	**Channel**	71				87			
	Freq. (MHz)	6305				6385			
BW 160M	**Channel**	79							
	Freq. (MHz)	6345							

BW 20M	**Channel**	97	101	105	109	113	117	121	125
	Freq. (MHz)	6435	6455	6475	6495	6515	6535	6555	6575
BW 40M	**Channel**	99		107		115		123	
	Freq. (MHz)	6445		6485		6525		6565	
BW 80M	**Channel**	103				119			
	Freq. (MHz)	6465				6545			
BW 160M	**Channel**	111							
	Freq. (MHz)	6505							

BW 20M	Channel	129	133	137	141	145	149	153	157
	Freq. (MHz)	6595	6615	6635	6655	6675	6695	6715	6735
BW 40M	Channel	131		139		147		155	
	Freq. (MHz)	6605		6645		6685		6725	
BW 80M	Channel	135				151			
	Freq. (MHz)	6625				6705			
BW 160M	Channel	143							
	Freq. (MHz)	6665							

BW 20M	Channel	161	165	169	173	177	181	185	189
	Freq. (MHz)	6755	6775	6795	6815	6835	6855	6875	6895
BW 40M	Channel	163		171		179		187	
	Freq. (MHz)	6765		6805		6845		6885	
BW 80M	Channel	167				183			
	Freq. (MHz)	6785				6865			
BW 160M	Channel	175							
	Freq. (MHz)	6825							

BW 20M	Channel	193	197	201	205	209	213	217	221
	Freq. (MHz)	6915	6935	6955	6975	6995	7015	7035	7055
BW 40M	Channel	195		203		211		219	
	Freq. (MHz)	6925		6965		7005		7045	
BW 80M	Channel	199				215			
	Freq. (MHz)	6945				7025			
BW 160M	Channel	207							
	Freq. (MHz)	6985							

2.2 Test Mode

All modulation schemes/data rate are verified by conducted power test case, and the modulation schemes with highest power is used for all test cases. The final test items are considering the modulation schemes and worse data rates as the table below.

SISO Mode

Modulation	Data Rate
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0
802.11ax HE160	MCS0

CDD Mode

Modulation	Data Rate
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0
802.11ax HE160	MCS0

STBC Mode

Modulation	Data Rate
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0
802.11ax HE160	MCS0

Based on ANSI C63.10 clause 5.6.2.2, b) spurious emissions,

Measure the mode with the highest output power and the mode with highest output power spectral density for each modulation family.

		5.6.2.2 (b) Spurious Emissions
UNII-5	20MHz	Covered by 160MHz
	40MHz	Covered by 160MHz
	80MHz	Covered by 160MHz
	160MHz	Test
UNII-6	20MHz	Covered by 160MHz
	40MHz	Covered by 160MHz
	80MHz	Covered by 160MHz
	160MHz	Test
UNII-7	20MHz	Covered by 160MHz
	40MHz	Covered by 160MHz
	80MHz	Covered by 160MHz
	160MHz	Test
UNII-8	20MHz	Covered by 160MHz
	40MHz	Covered by 160MHz
	80MHz	Covered by 160MHz
	160MHz	Test

Ch. #		UNII-5	UNII-8
		802.11ax HE20	802.11ax HE20
L	Low	033	-
M	Middle	-	-
H	High	-	221

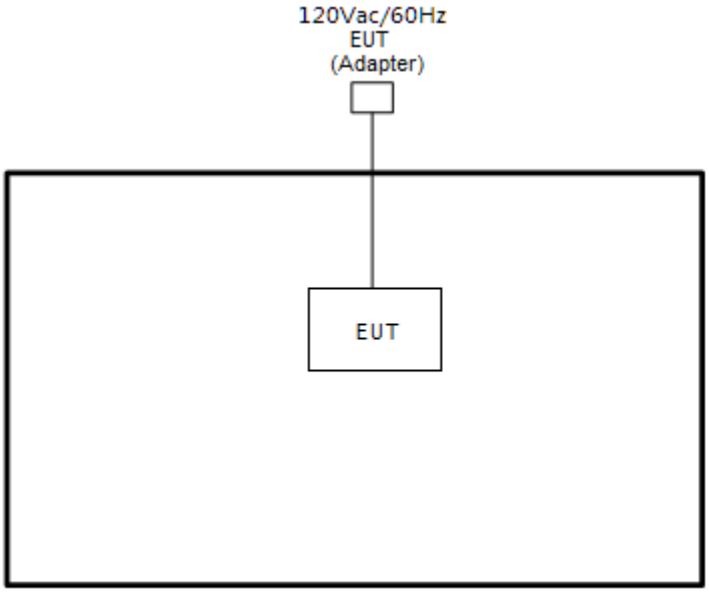
Ch. #		UNII-5	UNII-8
		802.11ax HE40	802.11ax HE40
L	Low	035	-
M	Middle	-	-
H	High	-	219

Ch. #		UNII-5	UNII-6	UNII-7	UNII-8
		802.11ax HE80	802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	039	103	135	199
M	Middle	055		151	-
H	High	087		167	215
Straddle		-	119	-	183

Ch. #		UNII-5	UNII-6	UNII-7	UNII-8
		802.11ax HE160	802.11ax HE160	802.11ax HE160	802.11ax HE160
L	Low	047	-	143	207
M	Middle	-			
H	High	079			
Straddle		-	111	-	175

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 EUT Operation Test Setup

The RF test items, utility “QRCT Version 4.0.211.0” and “QRCT Version 4.0.210.0” were 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.

2.5 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 10dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Limit of 26dB & 99% Occupied Bandwidth

<FCC 14-30 CFR 15.407>

(a)(10) The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.

For channels with a nominal bandwidth less than 320 Mhz, (e.g., 20, 40, 80, and 160 MHz), compliance is demonstrated by way of the 26 dB EBW.

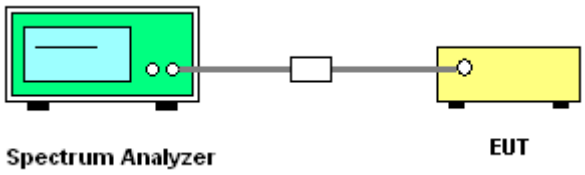
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

3.2 Fundamental Maximum EIRP Measurement

3.2.1 Limit of Fundamental Maximum EIRP

<FCC 14-30 CFR 15.407>

For an indoor access point operating in the 5.925–7.125 GHz band, the maximum power spectral density must not exceed 5 dBm e.i.r.p. in any 1-megahertz band. In addition, the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm.

3.2.2 Measuring Instruments

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

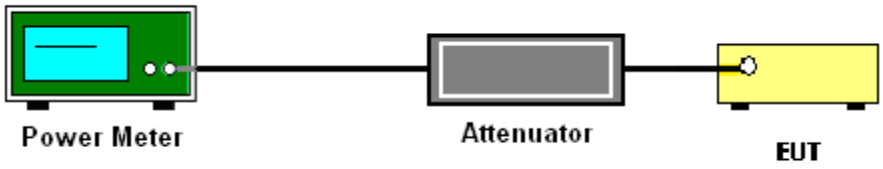
3.2.3 Test Procedures

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Fundamental Maximum EIRP

Please refer to Appendix A.

3.3 Fundamental Power Spectral Density Measurement

3.3.1 Limit of Fundamental Power Spectral Density

<FCC 14-30 CFR 15.407>

(a)(5) For an indoor access point operating in the 5.925-7.125 GHz band, the maximum power spectral density must not exceed 5 dBm e.i.r.p. in any 1-megahertz band. In addition, the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm.

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).

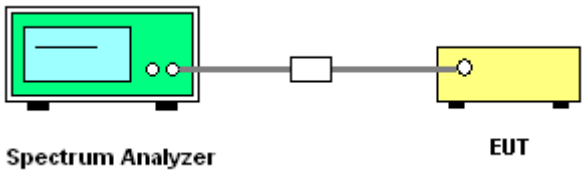
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

1. The RF output of EUT was 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 In-Band Emissions (Channel Mask)

3.4.1 Limit of Unwanted Emissions

<FCC 14-30 CFR 15.407>

(b)(7) For transmitters operating within the 5.925-7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

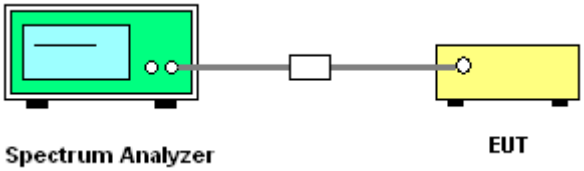
The testing follows FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v01.

Section J) In-Band Emissions.

1. Take nominal bandwidth as reference channel bandwidth provided that 26 dB emission bandwidth is always larger than nominal bandwidth
2. Measure the power spectral density (which will be used for emissions mask reference) using the following procedure:
   a) Set the span to encompass the entire 26 dB EBW of the signal.
   b) Set RBW = same RBW used for 26 dB EBW measurement.
   c) Set VBW ≥ 3 X RBW
   d) Number of points in sweep ≥ [2 X span / RBW].
   e) Sweep time = auto.
   f) Detector = RMS (i.e., power averaging)
   g) Trace average at least 100 traces in power averaging (rms) mode.
   h) Use the peak search function on the instrument to find the peak of the spectrum.
3. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
   a. Suppressed by 20 dB at 1 MHz outside of the channel edge.
   b. Suppressed by 28 dB at one channel bandwidth from the channel center.
   c. Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.

4. Adjust the span to encompass the entire mask as necessary.
5. Clear trace.
6. Trace average at least 100 traces in power averaging (rms) mode.
7. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask.

3.4.4 Test Setup



3.4.5 Test Result

Please refer to Appendix A.

3.5 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

3.5.1 Limit of Unwanted Emissions

(1) For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of −27 dBm/MHz.

EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27 (RMS)	68.3
- 7 (Peak)	88.3

According 987594 D02 U-NII 6GHz EMC Measurement v01 section G:
Unwanted emissions outside of restricted bands are measured with a RMS detector.
In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit

(2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

Note: The following formula is used to convert the EIRP to field strength.

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

3.5.2 Measuring Instruments

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

3.5.3 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 1000MHz

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

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

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

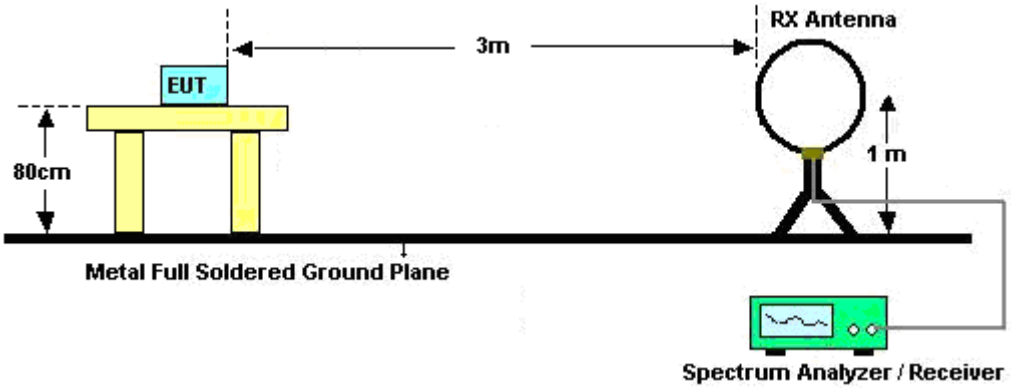
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

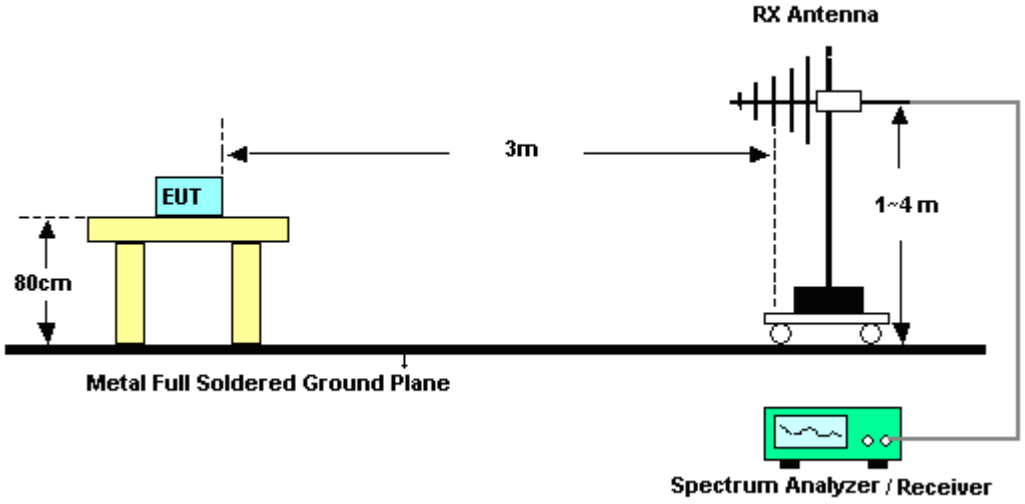
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-“.
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-“.

3.5.4 Test Setup

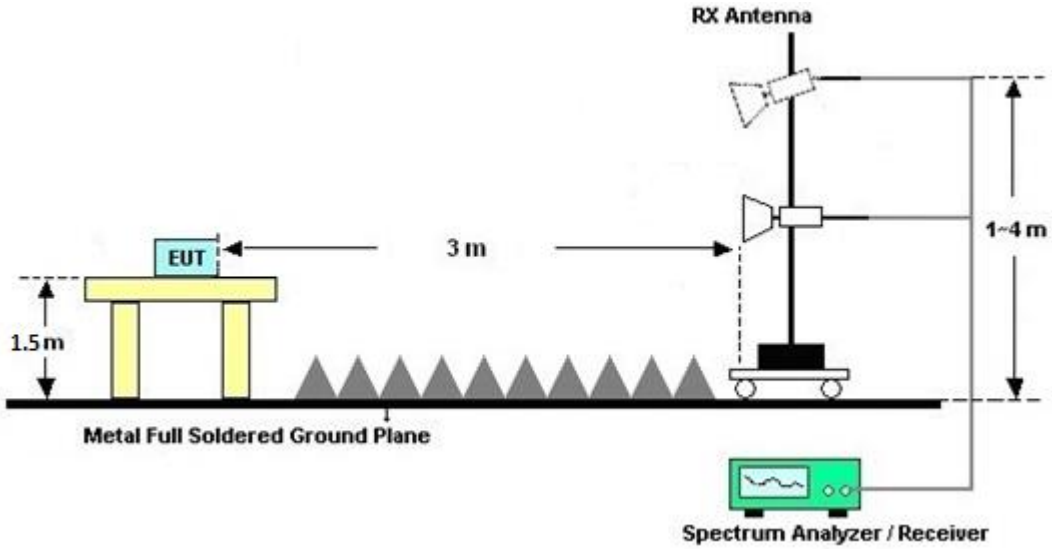
For radiated emissions below 30MHz



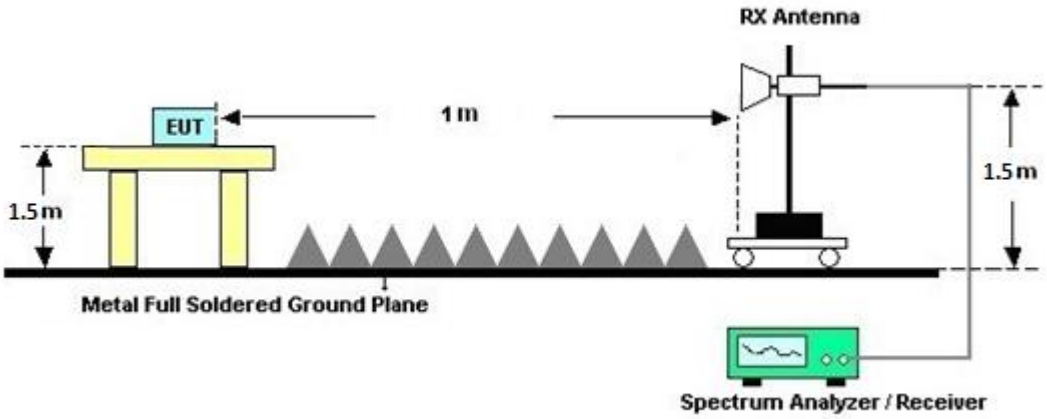
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.5.5 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.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B and C.

3.5.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix B and C.

3.6 Antenna Requirements

3.6.1 Standard Applicable

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 rule.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Feb. 01, 2024~ Feb. 02, 2024	Sep. 11, 2024	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	41912 & 05	30MHz~1GHz	Feb. 05, 2023	Feb. 01, 2024~ Feb. 02, 2024	Feb. 04, 2024	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 30, 2023	Feb. 01, 2024~ Feb. 02, 2024	Jun. 29, 2024	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1225	18GHz~40GHz	Jul. 10, 2023	Feb. 01, 2024~ Feb. 02, 2024	Jul. 09, 2024	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 26, 2023	Feb. 01, 2024~ Feb. 02, 2024	Dec. 25, 2024	Radiation (03CH15-HY)
Preamplifier	EMEC	EM01G18G	060837	1GHz~18GHz	Feb. 16, 2023	Feb. 01, 2024~ Feb. 02, 2024	Feb. 15, 2024	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz~18GHz	Mar. 03, 2023	Feb. 01, 2024~ Feb. 02, 2024	Mar. 02, 2024	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 27, 2023	Feb. 01, 2024~ Feb. 02, 2024	Jun. 26, 2024	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY53290045	20MHz~8.4GHz	Oct. 06, 2023	Feb. 01, 2024~ Feb. 02, 2024	Oct. 05, 2024	Radiation (03CH15-HY
Spectrum Analyzer	Keysight	N9010B	MY60241058	10Hz~44GHz	Jul. 06, 2023	Feb. 01, 2024~ Feb. 02, 2024	Jul. 05, 2024	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Feb. 01, 2024~ Feb. 02, 2024	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Feb. 01, 2024~ Feb. 02, 2024	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24 (k5)	RK-000451	N/A	N/A	Feb. 01, 2024~ Feb. 02, 2024	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY582185/4, 519228/2,803 950/2	N/A	Jun. 13, 2023	Feb. 01, 2024~ Feb. 02, 2024	Jun. 12, 2024	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	18-40G	Jan. 02, 2024	Feb. 01, 2024~ Feb. 02, 2024	Jan. 01, 2025	Radiation (03CH15-HY)
Notch Filter	Wainwright	WRCQV14-60 25-6425-7125- 7525-60SS	SN2	N/A	Jan. 05, 2024	Feb. 01, 2024~ Feb. 02, 2024	Jan. 04, 2025	Radiation (03CH15-HY)
Notch Filter	Wainwright	WRCQV14-60 25-6425-7125- 7525-60SS	SN2	N/A	Jun. 14, 2023	Feb. 01, 2024~ Feb. 02, 2024	Jun. 13, 2024	Radiation (03CH15-HY)
Filter	Wainwright	WHKX6-7268- 9200-26500-40 CD	SN4	9GHz High Pass Filter	May 23, 2023	Feb. 01, 2024~ Feb. 02, 2024	May 22, 2024	Radiation (03CH15-HY)
Hygrometer	TECPEL	DTM-302	SN4	N/A	Jul. 26, 2023	Feb. 01, 2024~ Feb. 02, 2024	Jul. 25, 2024	Radiation (03CH15-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Jan. 31, 2024~ Feb. 04, 2024	Sep. 11, 2024	Radiation (03CH23-HY)
Bilog Antenna with 6dB pad	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	62028 & 003	N/A	Oct. 15, 2023	Jan. 31, 2024~ Feb. 04, 2024	Oct. 14, 2024	Radiation (03CH23-HY)
Amplifier	SONOMA	310N	421582	N/A	Jul. 15, 2023	Jan. 31, 2024~ Feb. 04, 2024	Jul. 14, 2024	Radiation (03CH23-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C05A18EN	1GHz~18GHz	Jul. 12, 2023	Jan. 31, 2024~ Feb. 04, 2024	Jul. 11, 2024	Radiation (03CH23-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	1225	18GHz-40GHz	Jul. 10, 2023	Jan. 31, 2024~ Feb. 04, 2024	Jul. 09, 2024	Radiation (03CH23-HY)
Amplifier	EMEC	EM01G18GA	060877	N/A	Sep. 28, 2023	Jan. 31, 2024~ Feb. 04, 2024	Sep. 27, 2024	Radiation (03CH23-HY)
Preamplifier	EMEC	EM18G40G	060871	18-40GHz	Aug. 30, 2023	Jan. 31, 2024~ Feb. 04, 2024	Aug. 29, 2024	Radiation (03CH23-HY)
Signal Analyzer	Keysight	N9010B	MY62170337	N/A	Aug. 17, 2023	Jan. 31, 2024~ Feb. 04, 2024	Aug. 16, 2024	Radiation (03CH23-HY)
Hygrometer	TECPEL	DTM-303B	TP211542	N/A	Oct. 30, 2023	Jan. 31, 2024~ Feb. 04, 2024	Oct. 29, 2024	Radiation (03CH23-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Jan. 31, 2024~ Feb. 04, 2024	N/A	Radiation (03CH23-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jan. 31, 2024~ Feb. 04, 2024	N/A	Radiation (03CH23-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jan. 31, 2024~ Feb. 04, 2024	N/A	Radiation (03CH23-HY)
Software	Audix	E3 6.09824_2019122	RK-002348	N/A	N/A	Jan. 31, 2024~ Feb. 04, 2024	N/A	Radiation (03CH23-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 07, 2023	Jan. 31, 2024~ Feb. 04, 2024	Mar. 06, 2024	Radiation (03CH23-HY)
RF Cable	EMC	EMC101Y	231115/231119/231122	N/A	Nov. 27, 2023	Jan. 31, 2024~ Feb. 04, 2024	Nov. 26, 2024	Radiation (03CH23-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Jan. 30, 2024~ Feb. 04, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3008W	RPR8W-2301001(NO:146)	10MHz~8GHz	Feb. 07, 2023	Jan. 30, 2024~ Feb. 04, 2024	Feb. 06, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Sep. 12, 2023	Jan. 30, 2024~ Feb. 04, 2024	Sep. 11, 2024	Conducted (TH05-HY)

5 Measurement Uncertainty

<03CH15-HY>

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.3 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.5 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.5 dB**

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

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

<03CH23-HY>

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.8 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.4 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.3 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.2 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Hank Hsu and Sylvia Li	Temperature:	21~25	°C
Test Date:	2024/01/30~2024/02/04	Relative Humidity:	51~54	%

<SISO Mode>

TEST RESULTS DATA
26dB and 99% OBW

U-NII-5 single antenna											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	1	033	6115	Full	18.93	-	21.79	-	320.00	Pass
HE20	MCS0	1	061	6255	Full	18.98	-	21.83	-	320.00	Pass
HE20	MCS0	1	093	6415	Full	18.98	-	21.70	-	320.00	Pass
HE40	MCS0	1	035	6125	Full	37.86	-	41.41	-	320.00	Pass
HE40	MCS0	1	059	6245	Full	37.96	-	41.50	-	320.00	Pass
HE40	MCS0	1	091	6405	Full	37.86	-	41.66	-	320.00	Pass
HE80	MCS0	1	039	6145	Full	77.20	-	82.46	-	320.00	Pass
HE80	MCS0	1	055	6225	Full	77.08	-	82.30	-	320.00	Pass
HE80	MCS0	1	087	6385	Full	77.08	-	82.21	-	320.00	Pass
HE160	MCS0	1	047	6185	Full	156.08	-	165.94	-	320.00	Pass
HE160	MCS0	1	079	6345	Full	156.08	-	166.03	-	320.00	Pass

Report Number : FR172723-04

TEST RESULTS DATA
EIRP Power Table

U-NII-5 single antenna														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
						Ant 7	Ant 2	SUM	Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	1	033	6115	Full	13.00	-		3.66	-	16.66	-	30.00	Pass
HE20	MCS0	1	061	6255	Full	13.00	-		3.66	-	16.66	-	30.00	Pass
HE20	MCS0	1	093	6415	Full	12.80	-		3.66	-	16.46	-	30.00	Pass
HE40	MCS0	1	035	6125	Full	16.00	-		3.66	-	19.66	-	30.00	Pass
HE40	MCS0	1	059	6245	Full	16.20	-		3.66	-	19.86	-	30.00	Pass
HE40	MCS0	1	091	6405	Full	16.10	-	-	3.66	-	19.76	-	30.00	Pass
HE80	MCS0	1	039	6145	Full	19.20	-		3.66	-	22.86	-	30.00	Pass
HE80	MCS0	1	055	6225	Full	18.90	-		3.66	-	22.56	-	30.00	Pass
HE80	MCS0	1	087	6385	Full	18.60	-		3.66	-	22.26	-	30.00	Pass
HE160	MCS0	1	047	6185	Full	20.00	-		3.66	-	23.66	-	30.00	Pass
HE160	MCS0	1	079	6345	Full	19.60	-		3.66	-	23.26	-	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-5 single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)		EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2	SUM	Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	1	033	6115	Full	0.00	-	0.98	-		3.66	-	4.64	-	5.00	Pass
HE20	MCS0	1	061	6255	Full	0.00	-	1.13	-		3.66	-	4.79	-	5.00	Pass
HE20	MCS0	1	093	6415	Full	0.00	-	1.12	-		3.66	-	4.78	-	5.00	Pass
HE40	MCS0	1	035	6125	Full	0.00	-	1.17	-		3.66	-	4.83	-	5.00	Pass
HE40	MCS0	1	059	6245	Full	0.00	-	1.16	-		3.66	-	4.82	-	5.00	Pass
HE40	MCS0	1	091	6405	Full	0.00	-	1.15	-	-	3.66	-	4.81	-	5.00	Pass
HE80	MCS0	1	039	6145	Full	0.00	-	1.30	-		3.66	-	4.96	-	5.00	Pass
HE80	MCS0	1	055	6225	Full	0.00	-	1.24	-		3.66	-	4.90	-	5.00	Pass
HE80	MCS0	1	087	6385	Full	0.00	-	1.01	-		3.66	-	4.67	-	5.00	Pass
HE160	MCS0	1	047	6185	Full	0.00	-	-0.33	-		3.66	-	3.33	-	5.00	Pass
HE160	MCS0	1	079	6345	Full	0.00	-	-0.90	-		3.66	-	2.76	-	5.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-6 single antenna											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	1	097	6435	Full	18.93	-	21.99	-	320.00	Pass
HE20	MCS0	1	105	6475	Full	18.98	-	21.78	-	320.00	Pass
HE20	MCS0	1	113	6515	Full	18.88	-	21.78	-	320.00	Pass
HE40	MCS0	1	099	6445	Full	37.86	-	41.44	-	320.00	Pass
HE40	MCS0	1	107	6485	Full	37.96	-	41.55	-	320.00	Pass
HE80	MCS0	1	103	6465	Full	77.20	-	82.18	-	320.00	Pass

U-NII-6 straddle channel single antenna											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2		
HE40	MCS0	1	115	6525	Full	37.86	-	41.49	-	320.00	Pass
HE80	MCS0	1	119	6545	Full	77.08	-	82.62	-	320.00	Pass
HE160	MCS0	1	111	6505	Full	155.84	-	166.27	-	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-6 single antenna														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
						Ant 7	Ant 2	SUM	Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	1	097	6435	Full	12.90	-	-	3.66	-	16.56	-	30.00	Pass
HE20	MCS0	1	105	6475	Full	13.10	-		3.66	-	16.76	-	30.00	Pass
HE20	MCS0	1	113	6515	Full	12.80	-		3.66	-	16.46	-	30.00	Pass
HE40	MCS0	1	099	6445	Full	15.60	-		3.66	-	19.26	-	30.00	Pass
HE40	MCS0	1	107	6485	Full	16.50	-		3.66	-	20.16	-	30.00	Pass
HE80	MCS0	1	103	6465	Full	18.70	-		3.66	-	22.36	-	30.00	Pass

U-NII-6 straddle channel single antenna														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
						Ant 7	Ant 2	SUM	Ant 7	Ant 2	Ant 7	Ant 2		
HE40	MCS0	1	115	6525	Full	16.20	-	-	3.66	-	19.86	-	30.00	Pass
HE80	MCS0	1	119	6545	Full	18.90	-		3.66	-	22.56	-	30.00	Pass
HE160	MCS0	1	111	6505	Full	19.80	-		3.66	-	23.46	-	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-6 single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)		EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2	SUM	Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	1	097	6435	Full	0.00	-	1.21	-	-	3.66	-	4.87	-	5.00	Pass
HE20	MCS0	1	105	6475	Full	0.00	-	0.94	-		3.66	-	4.60	-	5.00	Pass
HE20	MCS0	1	113	6515	Full	0.00	-	0.90	-		3.66	-	4.56	-	5.00	Pass
HE40	MCS0	1	099	6445	Full	0.00	-	0.92	-		3.66	-	4.58	-	5.00	Pass
HE40	MCS0	1	107	6485	Full	0.00	-	1.30	-		3.66	-	4.96	-	5.00	Pass
HE80	MCS0	1	103	6465	Full	0.00	-	1.19	-		3.66	-	4.85	-	5.00	Pass

U-NII-6 straddle channel single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)		EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2	SUM	Ant 7	Ant 2	Ant 7	Ant 2		
HE40	MCS0	1	115	6525	Full	0.00	-	1.30	-	-	3.66	-	4.96	-	5.00	Pass
HE80	MCS0	1	119	6545	Full	0.00	-	0.87	-		3.66	-	4.53	-	5.00	Pass
HE160	MCS0	1	111	6505	Full	0.00	-	-1.17	-		3.66	-	2.49	-	5.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 single antenna											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	1	117	6535	Full	18.88	-	21.68	-	320.00	Pass
HE20	MCS0	1	149	6695	Full	18.93	-	21.52	-	320.00	Pass
HE20	MCS0	1	181	6855	Full	18.93	-	21.90	-	320.00	Pass
HE40	MCS0	1	123	6565	Full	37.86	-	41.54	-	320.00	Pass
HE40	MCS0	1	147	6685	Full	37.96	-	41.71	-	320.00	Pass
HE40	MCS0	1	179	6845	Full	37.96	-	41.44	-	320.00	Pass
HE80	MCS0	1	135	6625	Full	77.08	-	82.40	-	320.00	Pass
HE80	MCS0	1	151	6705	Full	77.08	-	81.98	-	320.00	Pass
HE80	MCS0	1	167	6785	Full	77.08	-	82.37	-	320.00	Pass
HE160	MCS0	1	143	6665	Full	155.60	-	165.70	-	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-7 single antenna														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
						Ant 7	Ant 2	SUM	Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	1	117	6535	Full	13.00	-	-	3.66	-	16.66	-	30.00	Pass
HE20	MCS0	1	149	6695	Full	13.10	-		3.66	-	16.76	-	30.00	Pass
HE20	MCS0	1	181	6855	Full	13.50	-		3.66	-	17.16	-	30.00	Pass
HE40	MCS0	1	123	6565	Full	16.30	-		3.66	-	19.96	-	30.00	Pass
HE40	MCS0	1	147	6685	Full	16.00	-		3.66	-	19.66	-	30.00	Pass
HE40	MCS0	1	179	6845	Full	16.30	-		3.66	-	19.96	-	30.00	Pass
HE80	MCS0	1	135	6625	Full	18.90	-		3.66	-	22.56	-	30.00	Pass
HE80	MCS0	1	151	6705	Full	19.20	-		3.66	-	22.86	-	30.00	Pass
HE80	MCS0	1	167	6785	Full	19.00	-		3.66	-	22.66	-	30.00	Pass
HE160	MCS0	1	143	6665	Full	19.70	-		3.66	-	23.36	-	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-7 single antenna																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)		EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2	SUM	Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	1	117	6535	Full	0.00	-	1.24	-	-	3.66	-	4.90	-	5.00	Pass
HE20	MCS0	1	149	6695	Full	0.00	-	1.19	-		3.66	-	4.85	-	5.00	Pass
HE20	MCS0	1	181	6855	Full	0.00	-	1.03	-		3.66	-	4.69	-	5.00	Pass
HE40	MCS0	1	123	6565	Full	0.00	-	1.22	-		3.66	-	4.88	-	5.00	Pass
HE40	MCS0	1	147	6685	Full	0.00	-	1.02	-		3.66	-	4.68	-	5.00	Pass
HE40	MCS0	1	179	6845	Full	0.00	-	1.11	-		3.66	-	4.77	-	5.00	Pass
HE80	MCS0	1	135	6625	Full	0.00	-	1.16	-		3.66	-	4.82	-	5.00	Pass
HE80	MCS0	1	151	6705	Full	0.00	-	1.24	-		3.66	-	4.90	-	5.00	Pass
HE80	MCS0	1	167	6785	Full	0.00	-	1.20	-		3.66	-	4.86	-	5.00	Pass
HE160	MCS0	1	143	6665	Full	0.00	-	-0.78	-		3.66	-	2.88	-	5.00	Pass

TEST RESULTS DATA
26dB EBW and 99% OBW

U-NII-8 single antenna											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	1	189	6895	Full	18.93	-	21.37	-	320.00	Pass
HE20	MCS0	1	209	6995	Full	18.98	-	21.86	-	320.00	Pass
HE20	MCS0	1	221	7055	Full	18.98	-	21.72	-	320.00	Pass
HE40	MCS0	1	195	6925	Full	37.96	-	41.52	-	320.00	Pass
HE40	MCS0	1	211	7005	Full	37.86	-	41.31	-	320.00	Pass
HE40	MCS0	1	219	7045	Full	37.86	-	41.44	-	320.00	Pass
HE80	MCS0	1	199	6945	Full	76.96	-	83.01	-	320.00	Pass
HE80	MCS0	1	215	7025	Full	77.08	-	82.34	-	320.00	Pass
HE160	MCS0	1	207	6985	Full	155.60	-	164.69	-	320.00	Pass

U-NII-8 straddle channel single antenna											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	1	185	6875	Full	18.98	-	21.73	-	320.00	Pass
HE40	MCS0	1	187	6885	Full	37.96	-	41.46	-	320.00	Pass
HE80	MCS0	1	183	6865	Full	77.20	-	82.27	-	320.00	Pass
HE160	MCS0	1	175	6825	Full	156.32	-	164.45	-	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-8 single antenna														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
						Ant 7	Ant 2	SUM	Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	1	189	6895	Full	13.20	-	-	3.66	-	16.86	-	30.00	Pass
HE20	MCS0	1	209	6995	Full	12.80	-		3.66	-	16.46	-	30.00	Pass
HE20	MCS0	1	221	7055	Full	12.70	-		3.66	-	16.36	-	30.00	Pass
HE40	MCS0	1	195	6925	Full	16.20	-		3.66	-	19.86	-	30.00	Pass
HE40	MCS0	1	211	7005	Full	15.70	-		3.66	-	19.36	-	30.00	Pass
HE40	MCS0	1	219	7045	Full	15.70	-		3.66	-	19.36	-	30.00	Pass
HE80	MCS0	1	199	6945	Full	19.00	-		3.66	-	22.66	-	30.00	Pass
HE80	MCS0	1	215	7025	Full	18.60	-		3.66	-	22.26	-	30.00	Pass
HE160	MCS0	1	207	6985	Full	19.70	-		3.66	-	23.36	-	30.00	Pass

U-NII-8 straddle channel single antenna														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
						Ant 7	Ant 2	SUM	Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	1	185	6875	Full	13.40	-	-	3.66	-	17.06	-	30.00	Pass
HE40	MCS0	1	187	6885	Full	16.30	-		3.66	-	19.96	-	30.00	Pass
HE80	MCS0	1	183	6865	Full	19.00	-		3.66	-	22.66	-	30.00	Pass
HE160	MCS0	1	175	6825	Full	19.90	-		3.66	-	23.56	-	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-8 single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)		EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2	SUM	Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	1	189	6895	Full	0.00	-	1.07	-		3.66	-	4.73	-	5.00	Pass
HE20	MCS0	1	209	6995	Full	0.00	-	1.00	-		3.66	-	4.66	-	5.00	Pass
HE20	MCS0	1	221	7055	Full	0.00	-	1.02	-		3.66	-	4.68	-	5.00	Pass
HE40	MCS0	1	195	6925	Full	0.00	-	1.26	-		3.66	-	4.92	-	5.00	Pass
HE40	MCS0	1	211	7005	Full	0.00	-	1.25	-	-	3.66	-	4.91	-	5.00	Pass
HE40	MCS0	1	219	7045	Full	0.00	-	1.12	-		3.66	-	4.78	-	5.00	Pass
HE80	MCS0	1	199	6945	Full	0.00	-	1.00	-		3.66	-	4.66	-	5.00	Pass
HE80	MCS0	1	215	7025	Full	0.00	-	1.33	-		3.66	-	4.99	-	5.00	Pass
HE160	MCS0	1	207	6985	Full	0.00	-	-0.37	-		3.66	-	3.29	-	5.00	Pass

U-NII-8 straddle channel single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)		EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2	SUM	Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	1	185	6875	Full	0.00	-	1.09	-		3.66	-	4.75	-	5.00	Pass
HE40	MCS0	1	187	6885	Full	0.00	-	1.33	-		3.66	-	4.99	-	5.00	Pass
HE80	MCS0	1	183	6865	Full	0.00	-	0.88	-	-	3.66	-	4.54	-	5.00	Pass
HE160	MCS0	1	175	6825	Full	0.00	-	-1.18	-		3.66	-	2.48	-	5.00	Pass

<CDD Mode>

TEST RESULTS DATA
26dB and 99% OBW

U-NII-5 MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	2	033	6115	Full	18.98	18.98	21.83	21.59	320.00	Pass
HE20	MCS0	2	061	6255	Full	18.98	18.93	21.86	22.02	320.00	Pass
HE20	MCS0	2	093	6415	Full	19.03	18.93	21.58	21.52	320.00	Pass
HE40	MCS0	2	035	6125	Full	37.96	38.16	41.23	41.65	320.00	Pass
HE40	MCS0	2	059	6245	Full	37.96	37.96	41.44	41.70	320.00	Pass
HE40	MCS0	2	091	6405	Full	37.96	37.96	41.57	41.62	320.00	Pass
HE80	MCS0	2	039	6145	Full	77.32	77.32	83.17	82.75	320.00	Pass
HE80	MCS0	2	055	6225	Full	77.20	77.08	82.69	82.34	320.00	Pass
HE80	MCS0	2	087	6385	Full	77.20	77.20	82.75	82.40	320.00	Pass
HE160	MCS0	2	047	6185	Full	156.08	155.84	167.09	165.31	320.00	Pass
HE160	MCS0	2	079	6345	Full	156.32	156.32	166.08	165.89	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-5 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE20	MCS0	2	033	6115	Full	7.10	7.10	10.11	4.18		14.29	30.00	Pass
HE20	MCS0	2	061	6255	Full	6.90	6.60	9.76	4.18		13.94	30.00	Pass
HE20	MCS0	2	093	6415	Full	6.30	6.80	9.57	4.18		13.75	30.00	Pass
HE40	MCS0	2	035	6125	Full	9.80	9.40	12.61	4.18		16.79	30.00	Pass
HE40	MCS0	2	059	6245	Full	9.70	9.60	12.66	4.18		16.84	30.00	Pass
HE40	MCS0	2	091	6405	Full	10.20	10.10	13.16	4.18		17.34	30.00	Pass
HE80	MCS0	2	039	6145	Full	13.00	13.00	16.01	4.18		20.19	30.00	Pass
HE80	MCS0	2	055	6225	Full	12.60	12.60	15.61	4.18		19.79	30.00	Pass
HE80	MCS0	2	087	6385	Full	12.60	12.60	15.61	4.18		19.79	30.00	Pass
HE160	MCS0	2	047	6185	Full	15.40	15.70	18.56	4.18		22.74	30.00	Pass
HE160	MCS0	2	079	6345	Full	15.40	15.90	18.67	4.18		22.85	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-5 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE20	MCS0	2	033	6115	Full	0.00	0.00			-2.19	6.93		4.74	5.00	Pass
HE20	MCS0	2	061	6255	Full	0.00	0.00			-2.13	6.93		4.81	5.00	Pass
HE20	MCS0	2	093	6415	Full	0.00	0.00			-2.17	6.93		4.77	5.00	Pass
HE40	MCS0	2	035	6125	Full	0.00	0.00			-2.21	6.93		4.73	5.00	Pass
HE40	MCS0	2	059	6245	Full	0.00	0.00			-2.29	6.93		4.64	5.00	Pass
HE40	MCS0	2	091	6405	Full	0.00	0.00			-2.18	6.93		4.75	5.00	Pass
HE80	MCS0	2	039	6145	Full	0.00	0.00			-2.04	6.93		4.90	5.00	Pass
HE80	MCS0	2	055	6225	Full	0.00	0.00			-2.44	6.93		4.50	5.00	Pass
HE80	MCS0	2	087	6385	Full	0.00	0.00			-2.36	6.93		4.57	5.00	Pass
HE160	MCS0	2	047	6185	Full	0.00	0.00			-2.06	6.93		4.88	5.00	Pass
HE160	MCS0	2	079	6345	Full	0.00	0.00			-1.99	6.93		4.94	5.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-6 MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	2	097	6435	Full	18.98	18.98	21.82	21.44	320.00	Pass
HE20	MCS0	2	105	6475	Full	19.03	18.93	21.53	21.77	320.00	Pass
HE20	MCS0	2	113	6515	Full	19.03	18.93	22.15	21.49	320.00	Pass
HE40	MCS0	2	099	6445	Full	37.96	37.86	41.50	41.49	320.00	Pass
HE40	MCS0	2	107	6485	Full	38.06	37.96	41.63	41.81	320.00	Pass
HE80	MCS0	2	103	6465	Full	77.20	77.20	82.59	82.43	320.00	Pass

U-NII-6 straddle channel MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2		
HE40	MCS0	2	115	6525	Full	37.96	37.96	41.60	42.02	320.00	Pass
HE80	MCS0	2	119	6545	Full	77.20	77.20	82.40	82.88	320.00	Pass
HE160	MCS0	2	111	6505	Full	156.08	156.08	166.32	165.46	320.00	Pass

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TEST RESULTS DATA
EIRP Power Table

U-NII-6 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE20	MCS0	2	097	6435	Full	5.90	7.40	9.72	4.18		13.90	30.00	Pass
HE20	MCS0	2	105	6475	Full	7.10	7.10	10.11	4.18		14.29	30.00	Pass
HE20	MCS0	2	113	6515	Full	6.10	6.90	9.53	4.18		13.71	30.00	Pass
HE40	MCS0	2	099	6445	Full	10.10	10.10	13.11	4.18		17.29	30.00	Pass
HE40	MCS0	2	107	6485	Full	10.10	10.40	13.26	4.18		17.44	30.00	Pass
HE80	MCS0	2	103	6465	Full	12.80	12.90	15.86	4.18		20.04	30.00	Pass

U-NII-6 straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE40	MCS0	2	115	6525	Full	9.60	10.40	13.03	4.18		17.21	30.00	Pass
HE80	MCS0	2	119	6545	Full	13.20	13.00	16.11	4.18		20.29	30.00	Pass
HE160	MCS0	2	111	6505	Full	15.90	15.90	18.91	4.18		23.09	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-6 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE20	MCS0	2	097	6435	Full	0.00	0.00			-2.09	6.93		4.85	5.00	Pass
HE20	MCS0	2	105	6475	Full	0.00	0.00			-2.07	6.93		4.86	5.00	Pass
HE20	MCS0	2	113	6515	Full	0.00	0.00			-2.31	6.93		4.62	5.00	Pass
HE40	MCS0	2	099	6445	Full	0.00	0.00			-2.04	6.93		4.89	5.00	Pass
HE40	MCS0	2	107	6485	Full	0.00	0.00			-2.29	6.93		4.64	5.00	Pass
HE80	MCS0	2	103	6465	Full	0.00	0.00			-2.23	6.93		4.71	5.00	Pass

U-NII-6 straddle channel MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE40	MCS0	2	115	6525	Full	0.00	0.00			-2.12	6.93		4.82	5.00	Pass
HE80	MCS0	2	119	6545	Full	0.00	0.00			-2.21	6.93		4.73	5.00	Pass
HE160	MCS0	2	111	6505	Full	0.00	0.00			-2.02	6.93		4.91	5.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	2	117	6535	Full	19.03	18.93	22.04	21.36	320.00	Pass
HE20	MCS0	2	149	6695	Full	19.03	19.03	21.54	21.70	320.00	Pass
HE20	MCS0	2	181	6855	Full	18.98	18.98	21.76	21.82	320.00	Pass
HE40	MCS0	2	123	6565	Full	37.96	37.96	41.57	41.66	320.00	Pass
HE40	MCS0	2	147	6685	Full	37.96	37.96	41.95	41.63	320.00	Pass
HE40	MCS0	2	179	6845	Full	37.96	38.06	41.74	41.79	320.00	Pass
HE80	MCS0	2	135	6625	Full	77.08	77.20	82.66	82.50	320.00	Pass
HE80	MCS0	2	151	6705	Full	77.32	77.20	82.85	82.46	320.00	Pass
HE80	MCS0	2	167	6785	Full	77.08	77.20	82.17	83.62	320.00	Pass
HE160	MCS0	2	143	6665	Full	155.84	155.60	165.07	164.74	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-7 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE20	MCS0	2	117	6535	Full	6.30	7.00	9.67	4.18		13.85	30.00	Pass
HE20	MCS0	2	149	6695	Full	6.70	6.20	9.47	4.18		13.65	30.00	Pass
HE20	MCS0	2	181	6855	Full	7.40	6.70	10.07	4.18		14.25	30.00	Pass
HE40	MCS0	2	123	6565	Full	9.80	9.90	12.86	4.18		17.04	30.00	Pass
HE40	MCS0	2	147	6685	Full	10.30	9.70	13.02	4.18		17.20	30.00	Pass
HE40	MCS0	2	179	6845	Full	10.70	10.80	13.76	4.18		17.94	30.00	Pass
HE80	MCS0	2	135	6625	Full	12.70	12.60	15.66	4.18		19.84	30.00	Pass
HE80	MCS0	2	151	6705	Full	12.80	12.90	15.86	4.18		20.04	30.00	Pass
HE80	MCS0	2	167	6785	Full	12.90	12.90	15.91	4.18		20.09	30.00	Pass
HE160	MCS0	2	143	6665	Full	15.40	15.50	18.46	4.18		22.64	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-7 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE20	MCS0	2	117	6535	Full	0.00	0.00			-2.09	6.93		4.85	5.00	Pass
HE20	MCS0	2	149	6695	Full	0.00	0.00			-2.32	6.93		4.62	5.00	Pass
HE20	MCS0	2	181	6855	Full	0.00	0.00			-2.31	6.93		4.62	5.00	Pass
HE40	MCS0	2	123	6565	Full	0.00	0.00			-2.23	6.93		4.71	5.00	Pass
HE40	MCS0	2	147	6685	Full	0.00	0.00			-2.18	6.93		4.76	5.00	Pass
HE40	MCS0	2	179	6845	Full	0.00	0.00			-2.02	6.93		4.92	5.00	Pass
HE80	MCS0	2	135	6625	Full	0.00	0.00			-2.07	6.93		4.86	5.00	Pass
HE80	MCS0	2	151	6705	Full	0.00	0.00			-2.18	6.93		4.75	5.00	Pass
HE80	MCS0	2	167	6785	Full	0.00	0.00			-2.05	6.93		4.89	5.00	Pass
HE160	MCS0	2	143	6665	Full	0.00	0.00			-2.29	6.93		4.65	5.00	Pass

TEST RESULTS DATA
26dB EBW and 99% OBW

U-NII-8 MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	2	189	6895	Full	19.03	18.98	21.93	21.59	320.00	Pass
HE20	MCS0	2	209	6995	Full	19.03	19.03	21.62	21.63	320.00	Pass
HE20	MCS0	2	221	7055	Full	18.98	18.98	21.69	21.59	320.00	Pass
HE40	MCS0	2	195	6925	Full	37.96	38.06	41.42	41.71	320.00	Pass
HE40	MCS0	2	211	7005	Full	38.06	38.06	41.38	41.42	320.00	Pass
HE40	MCS0	2	219	7045	Full	38.06	38.16	41.42	41.36	320.00	Pass
HE80	MCS0	2	199	6945	Full	77.08	77.20	82.30	82.59	320.00	Pass
HE80	MCS0	2	215	7025	Full	76.96	76.96	82.18	82.69	320.00	Pass
HE160	MCS0	2	207	6985	Full	155.60	156.08	164.69	167.18	320.00	Pass

U-NII-8 straddle channel MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	2	185	6875	Full	18.98	18.98	22.14	21.82	320.00	Pass
HE40	MCS0	2	187	6885	Full	37.96	37.96	41.63	41.60	320.00	Pass
HE80	MCS0	2	183	6865	Full	77.20	77.20	82.27	83.26	320.00	Pass
HE160	MCS0	2	175	6825	Full	156.32	156.56	167.18	165.55	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-8 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE20	MCS0	2	189	6895	Full	6.60	6.70	9.66	4.18		13.84	30.00	Pass
HE20	MCS0	2	209	6995	Full	6.30	6.90	9.62	4.18		13.80	30.00	Pass
HE20	MCS0	2	221	7055	Full	6.40	6.50	9.46	4.18		13.64	30.00	Pass
HE40	MCS0	2	195	6925	Full	10.10	9.90	13.01	4.18		17.19	30.00	Pass
HE40	MCS0	2	211	7005	Full	9.60	10.10	12.87	4.18		17.05	30.00	Pass
HE40	MCS0	2	219	7045	Full	9.40	9.40	12.41	4.18		16.59	30.00	Pass
HE80	MCS0	2	199	6945	Full	13.40	13.10	16.26	4.18		20.44	30.00	Pass
HE80	MCS0	2	215	7025	Full	12.30	12.70	15.51	4.18		19.69	30.00	Pass
HE160	MCS0	2	207	6985	Full	14.90	15.00	17.96	4.18		22.14	30.00	Pass

U-NII-8 straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE20	MCS0	2	185	6875	Full	6.90	7.10	10.01	4.18		14.19	30.00	Pass
HE40	MCS0	2	187	6885	Full	9.90	10.00	12.96	4.18		17.14	30.00	Pass
HE80	MCS0	2	183	6865	Full	13.60	13.50	16.56	4.18		20.74	30.00	Pass
HE160	MCS0	2	175	6825	Full	15.90	16.40	19.17	4.18		23.35	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-8 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE20	MCS0	2	189	6895	Full	0.00	0.00			-2.24	6.93		4.70	5.00	Pass
HE20	MCS0	2	209	6995	Full	0.00	0.00			-2.09	6.93		4.84	5.00	Pass
HE20	MCS0	2	221	7055	Full	0.00	0.00			-2.10	6.93		4.83	5.00	Pass
HE40	MCS0	2	195	6925	Full	0.00	0.00			-2.47	6.93		4.46	5.00	Pass
HE40	MCS0	2	211	7005	Full	0.00	0.00			-1.97	6.93		4.96	5.00	Pass
HE40	MCS0	2	219	7045	Full	0.00	0.00			-2.48	6.93		4.45	5.00	Pass
HE80	MCS0	2	199	6945	Full	0.00	0.00			-2.13	6.93		4.81	5.00	Pass
HE80	MCS0	2	215	7025	Full	0.00	0.00			-2.00	6.93		4.93	5.00	Pass
HE160	MCS0	2	207	6985	Full	0.00	0.00			-2.39	6.93		4.54	5.00	Pass

U-NII-8 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE20	MCS0	2	185	6875	Full	0.00	0.00			-2.03	6.93		4.90	5.00	Pass
HE40	MCS0	2	187	6885	Full	0.00	0.00			-2.45	6.93		4.48	5.00	Pass
HE80	MCS0	2	183	6865	Full	0.00	0.00			-2.09	6.93		4.85	5.00	Pass
HE160	MCS0	2	175	6825	Full	0.00	0.00			-2.06	6.93		4.88	5.00	Pass

<STBC Mode>

TEST RESULTS DATA
26dB and 99% OBW

U-NII-5 MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	2	033	6115	Full	18.98	18.98	21.82	21.86	320.00	Pass
HE20	MCS0	2	061	6255	Full	18.93	18.98	21.64	21.88	320.00	Pass
HE20	MCS0	2	093	6415	Full	18.93	18.98	21.25	22.26	320.00	Pass
HE40	MCS0	2	035	6125	Full	37.76	37.86	41.41	41.30	320.00	Pass
HE40	MCS0	2	059	6245	Full	37.86	37.86	41.39	41.46	320.00	Pass
HE40	MCS0	2	091	6405	Full	37.96	37.96	41.55	41.71	320.00	Pass
HE80	MCS0	2	039	6145	Full	77.20	77.20	82.21	82.40	320.00	Pass
HE80	MCS0	2	055	6225	Full	77.08	77.20	82.40	82.59	320.00	Pass
HE80	MCS0	2	087	6385	Full	77.20	77.20	83.26	82.85	320.00	Pass
HE160	MCS0	2	047	6185	Full	156.08	155.84	165.46	165.22	320.00	Pass
HE160	MCS0	2	079	6345	Full	156.08	156.08	164.69	165.94	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-5 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE20	MCS0	2	033	6115	Full	9.50	9.40	12.46	4.18		16.64	30.00	Pass
HE20	MCS0	2	061	6255	Full	9.70	9.40	12.56	4.18		16.74	30.00	Pass
HE20	MCS0	2	093	6415	Full	9.60	9.60	12.61	4.18		16.79	30.00	Pass
HE40	MCS0	2	035	6125	Full	12.70	12.60	15.66	4.18		19.84	30.00	Pass
HE40	MCS0	2	059	6245	Full	12.70	12.50	15.61	4.18		19.79	30.00	Pass
HE40	MCS0	2	091	6405	Full	12.60	12.60	15.61	4.18		19.79	30.00	Pass
HE80	MCS0	2	039	6145	Full	15.70	16.00	18.86	4.18		23.04	30.00	Pass
HE80	MCS0	2	055	6225	Full	15.80	15.60	18.71	4.18		22.89	30.00	Pass
HE80	MCS0	2	087	6385	Full	15.30	15.30	18.31	4.18		22.49	30.00	Pass
HE160	MCS0	2	047	6185	Full	16.20	16.60	19.41	4.18		23.59	30.00	Pass
HE160	MCS0	2	079	6345	Full	15.80	16.30	19.07	4.18		23.25	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-5 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE20	MCS0	2	033	6115	Full	0.00	0.00			0.56	4.18		4.74	5.00	Pass
HE20	MCS0	2	061	6255	Full	0.00	0.00			0.65	4.18		4.83	5.00	Pass
HE20	MCS0	2	093	6415	Full	0.00	0.00			0.68	4.18		4.86	5.00	Pass
HE40	MCS0	2	035	6125	Full	0.00	0.00			0.65	4.18		4.83	5.00	Pass
HE40	MCS0	2	059	6245	Full	0.00	0.00			0.52	4.18		4.70	5.00	Pass
HE40	MCS0	2	091	6405	Full	0.00	0.00			0.53	4.18		4.71	5.00	Pass
HE80	MCS0	2	039	6145	Full	0.00	0.00			0.81	4.18		4.99	5.00	Pass
HE80	MCS0	2	055	6225	Full	0.00	0.00			0.59	4.18		4.77	5.00	Pass
HE80	MCS0	2	087	6385	Full	0.00	0.00			0.47	4.18		4.65	5.00	Pass
HE160	MCS0	2	047	6185	Full	0.00	0.00			-1.17	4.18		3.01	5.00	Pass
HE160	MCS0	2	079	6345	Full	0.00	0.00			-1.52	4.18		2.66	5.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-6 MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	2	097	6435	Full	18.98	18.98	21.50	22.06	320.00	Pass
HE20	MCS0	2	105	6475	Full	18.93	18.98	21.72	22.06	320.00	Pass
HE20	MCS0	2	113	6515	Full	18.93	18.98	21.82	22.42	320.00	Pass
HE40	MCS0	2	099	6445	Full	37.86	37.86	41.86	41.63	320.00	Pass
HE40	MCS0	2	107	6485	Full	37.96	37.86	41.84	41.62	320.00	Pass
HE80	MCS0	2	103	6465	Full	77.20	77.20	82.66	82.02	320.00	Pass

U-NII-6 straddle channel MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2		
HE40	MCS0	2	115	6525	Full	37.86	37.96	41.54	41.47	320.00	Pass
HE80	MCS0	2	119	6545	Full	77.08	77.20	83.97	82.34	320.00	Pass
HE160	MCS0	2	111	6505	Full	156.08	156.08	166.56	166.22	320.00	Pass

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TEST RESULTS DATA
EIRP Power Table

U-NII-6 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE20	MCS0	2	097	6435	Full	9.40	9.30	12.36	4.18		16.54	30.00	Pass
HE20	MCS0	2	105	6475	Full	9.70	9.70	12.71	4.18		16.89	30.00	Pass
HE20	MCS0	2	113	6515	Full	9.20	9.90	12.57	4.18		16.75	30.00	Pass
HE40	MCS0	2	099	6445	Full	12.60	12.50	15.56	4.18		19.74	30.00	Pass
HE40	MCS0	2	107	6485	Full	12.80	12.90	15.86	4.18		20.04	30.00	Pass
HE80	MCS0	2	103	6465	Full	15.50	15.70	18.61	4.18		22.79	30.00	Pass

U-NII-6 straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE40	MCS0	2	115	6525	Full	13.00	12.60	15.81	4.18		19.99	30.00	Pass
HE80	MCS0	2	119	6545	Full	15.40	15.70	18.56	4.18		22.74	30.00	Pass
HE160	MCS0	2	111	6505	Full	16.00	16.10	19.06	4.18		23.24	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-6 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE20	MCS0	2	097	6435	Full	0.00	0.00			0.41	4.18		4.59	5.00	Pass
HE20	MCS0	2	105	6475	Full	0.00	0.00			0.54	4.18		4.72	5.00	Pass
HE20	MCS0	2	113	6515	Full	0.00	0.00			0.73	4.18		4.91	5.00	Pass
HE40	MCS0	2	099	6445	Full	0.00	0.00			0.59	4.18		4.77	5.00	Pass
HE40	MCS0	2	107	6485	Full	0.00	0.00			0.44	4.18		4.62	5.00	Pass
HE80	MCS0	2	103	6465	Full	0.00	0.00			0.53	4.18		4.71	5.00	Pass

U-NII-6 straddle channel MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE40	MCS0	2	115	6525	Full	0.00	0.00			0.71	4.18		4.89	5.00	Pass
HE80	MCS0	2	119	6545	Full	0.00	0.00			0.32	4.18		4.50	5.00	Pass
HE160	MCS0	2	111	6505	Full	0.00	0.00			-1.81	4.18		2.37	5.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	2	117	6535	Full	18.93	18.98	21.68	22.30	320.00	Pass
HE20	MCS0	2	149	6695	Full	18.93	18.98	21.49	21.92	320.00	Pass
HE20	MCS0	2	181	6855	Full	18.93	18.98	21.44	21.65	320.00	Pass
HE40	MCS0	2	123	6565	Full	37.86	37.86	41.60	41.44	320.00	Pass
HE40	MCS0	2	147	6685	Full	37.96	37.96	41.36	41.57	320.00	Pass
HE40	MCS0	2	179	6845	Full	37.86	37.86	41.28	41.38	320.00	Pass
HE80	MCS0	2	135	6625	Full	77.20	77.08	82.14	82.69	320.00	Pass
HE80	MCS0	2	151	6705	Full	77.08	77.20	82.85	81.95	320.00	Pass
HE80	MCS0	2	167	6785	Full	77.08	77.08	82.78	81.70	320.00	Pass
HE160	MCS0	2	143	6665	Full	155.60	156.08	165.41	165.31	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-7 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE20	MCS0	2	117	6535	Full	9.00	9.80	12.43	4.18		16.61	30.00	Pass
HE20	MCS0	2	149	6695	Full	9.70	9.00	12.37	4.18		16.55	30.00	Pass
HE20	MCS0	2	181	6855	Full	10.00	9.90	12.96	4.18		17.14	30.00	Pass
HE40	MCS0	2	123	6565	Full	12.50	12.40	15.46	4.18		19.64	30.00	Pass
HE40	MCS0	2	147	6685	Full	12.60	12.60	15.61	4.18		19.79	30.00	Pass
HE40	MCS0	2	179	6845	Full	13.40	13.40	16.41	4.18		20.59	30.00	Pass
HE80	MCS0	2	135	6625	Full	15.40	15.40	18.41	4.18		22.59	30.00	Pass
HE80	MCS0	2	151	6705	Full	15.60	15.70	18.66	4.18		22.84	30.00	Pass
HE80	MCS0	2	167	6785	Full	15.30	15.90	18.62	4.18		22.80	30.00	Pass
HE160	MCS0	2	143	6665	Full	16.00	16.20	19.11	4.18		23.29	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-7 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE20	MCS0	2	117	6535	Full	0.00	0.00			0.53	4.18		4.71	5.00	Pass
HE20	MCS0	2	149	6695	Full	0.00	0.00			0.44	4.18		4.62	5.00	Pass
HE20	MCS0	2	181	6855	Full	0.00	0.00			0.35	4.18		4.53	5.00	Pass
HE40	MCS0	2	123	6565	Full	0.00	0.00			0.36	4.18		4.54	5.00	Pass
HE40	MCS0	2	147	6685	Full	0.00	0.00			0.39	4.18		4.57	5.00	Pass
HE40	MCS0	2	179	6845	Full	0.00	0.00			0.67	4.18		4.85	5.00	Pass
HE80	MCS0	2	135	6625	Full	0.00	0.00			0.68	4.18		4.86	5.00	Pass
HE80	MCS0	2	151	6705	Full	0.00	0.00			0.65	4.18		4.83	5.00	Pass
HE80	MCS0	2	167	6785	Full	0.00	0.00			0.64	4.18		4.82	5.00	Pass
HE160	MCS0	2	143	6665	Full	0.00	0.00			-1.56	4.18		2.62	5.00	Pass

TEST RESULTS DATA
26dB EBW and 99% OBW

U-NII-8 MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	2	189	6895	Full	18.98	18.98	21.45	22.02	320.00	Pass
HE20	MCS0	2	209	6995	Full	18.98	18.98	21.79	21.42	320.00	Pass
HE20	MCS0	2	221	7055	Full	18.93	18.98	21.44	22.21	320.00	Pass
HE40	MCS0	2	195	6925	Full	37.86	37.86	41.26	41.50	320.00	Pass
HE40	MCS0	2	211	7005	Full	37.86	37.86	41.98	41.38	320.00	Pass
HE40	MCS0	2	219	7045	Full	37.96	37.96	41.66	41.25	320.00	Pass
HE80	MCS0	2	199	6945	Full	76.96	77.20	82.08	82.78	320.00	Pass
HE80	MCS0	2	215	7025	Full	76.96	76.84	82.53	81.89	320.00	Pass
HE160	MCS0	2	207	6985	Full	155.36	155.84	165.26	164.69	320.00	Pass

U-NII-8 straddle channel MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2		
HE20	MCS0	2	185	6875	Full	18.98	18.98	21.42	21.66	320.00	Pass
HE40	MCS0	2	187	6885	Full	37.96	37.96	41.66	41.74	320.00	Pass
HE80	MCS0	2	183	6865	Full	77.20	77.20	82.72	82.88	320.00	Pass
HE160	MCS0	2	175	6825	Full	156.32	156.56	164.78	165.60	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-8 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE20	MCS0	2	189	6895	Full	9.80	9.60	12.71	4.18		16.89	30.00	Pass
HE20	MCS0	2	209	6995	Full	9.30	9.60	12.46	4.18		16.64	30.00	Pass
HE20	MCS0	2	221	7055	Full	9.30	8.90	12.11	4.18		16.29	30.00	Pass
HE40	MCS0	2	195	6925	Full	13.10	13.32	16.22	4.18		20.40	30.00	Pass
HE40	MCS0	2	211	7005	Full	12.10	12.50	15.31	4.18		19.49	30.00	Pass
HE40	MCS0	2	219	7045	Full	12.10	12.40	15.26	4.18		19.44	30.00	Pass
HE80	MCS0	2	199	6945	Full	16.00	15.80	18.91	4.18		23.09	30.00	Pass
HE80	MCS0	2	215	7025	Full	15.00	15.40	18.21	4.18		22.39	30.00	Pass
HE160	MCS0	2	207	6985	Full	16.10	16.20	19.16	4.18		23.34	30.00	Pass

U-NII-8 straddle channel MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE20	MCS0	2	185	6875	Full	10.00	9.80	12.91	4.18		17.09	30.00	Pass
HE40	MCS0	2	187	6885	Full	13.20	13.20	16.21	4.18		20.39	30.00	Pass
HE80	MCS0	2	183	6865	Full	15.80	16.30	19.07	4.18		23.25	30.00	Pass
HE160	MCS0	2	175	6825	Full	16.00	16.70	19.37	4.18		23.55	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-8 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE20	MCS0	2	189	6895	Full	0.00	0.00			0.35	4.18		4.53	5.00	Pass
HE20	MCS0	2	209	6995	Full	0.00	0.00			0.65	4.18		4.83	5.00	Pass
HE20	MCS0	2	221	7055	Full	0.00	0.00			0.62	4.18		4.80	5.00	Pass
HE40	MCS0	2	195	6925	Full	0.00	0.00			0.54	4.18		4.72	5.00	Pass
HE40	MCS0	2	211	7005	Full	0.00	0.00			0.46	4.18		4.64	5.00	Pass
HE40	MCS0	2	219	7045	Full	0.00	0.00			0.36	4.18		4.54	5.00	Pass
HE80	MCS0	2	199	6945	Full	0.00	0.00			0.75	4.18		4.93	5.00	Pass
HE80	MCS0	2	215	7025	Full	0.00	0.00			0.70	4.18		4.88	5.00	Pass
HE160	MCS0	2	207	6985	Full	0.00	0.00			-1.08	4.18		3.10	5.00	Pass

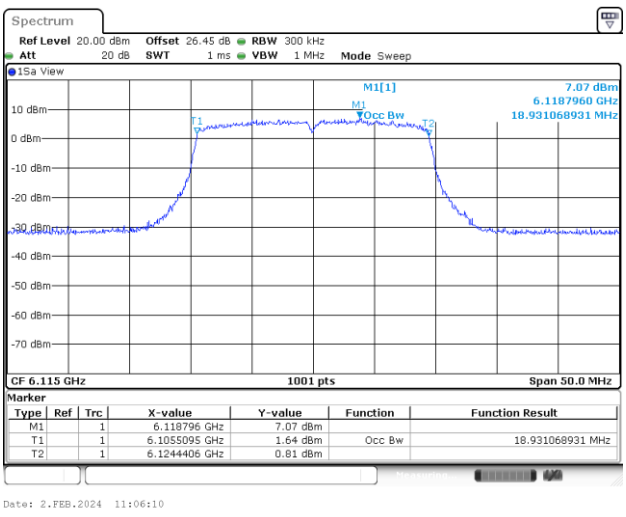
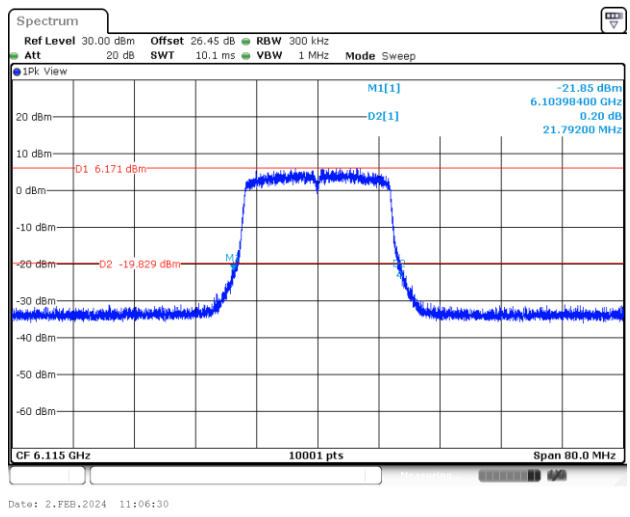
U-NII-8 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 7	Ant 2	Ant 7	Ant 2	SUM	Ant 7	Ant 2	SUM		
HE20	MCS0	2	185	6875	Full	0.00	0.00			0.55	4.18		4.73	5.00	Pass
HE40	MCS0	2	187	6885	Full	0.00	0.00			0.78	4.18		4.96	5.00	Pass
HE80	MCS0	2	183	6865	Full	0.00	0.00			0.56	4.18		4.74	5.00	Pass
HE160	MCS0	2	175	6825	Full	0.00	0.00			-1.86	4.18		2.32	5.00	Pass

<SISO Mode>

<Ant. 7>

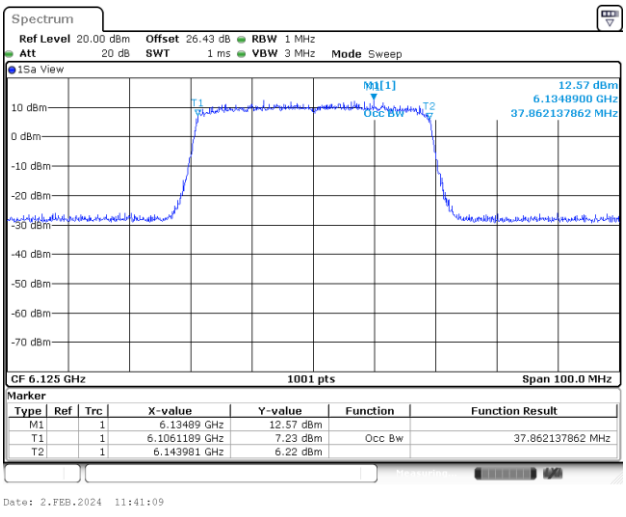
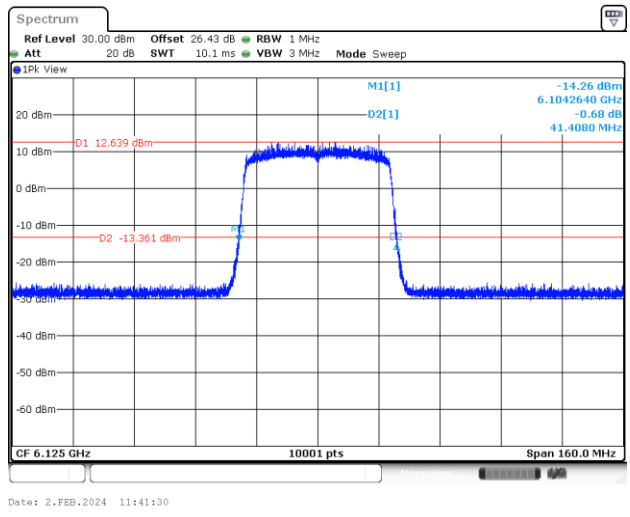
Test Result of 26dB & 99% Occupied Bandwidth

<802.11ax HE20>

99% Occupied Bandwidth	26dB Bandwidth
	

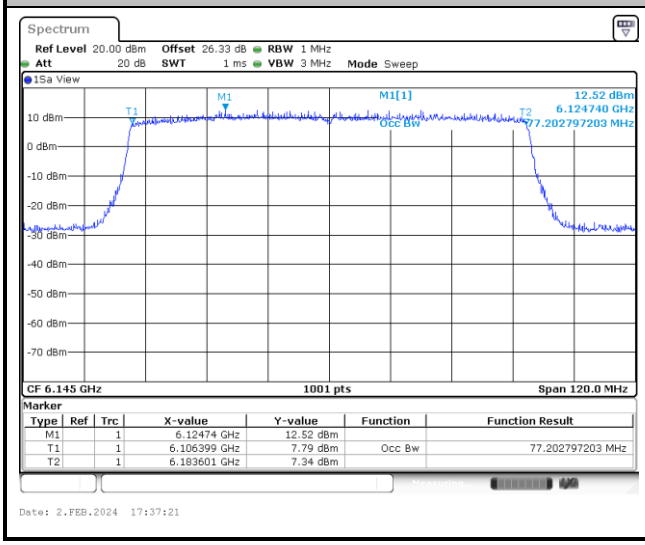
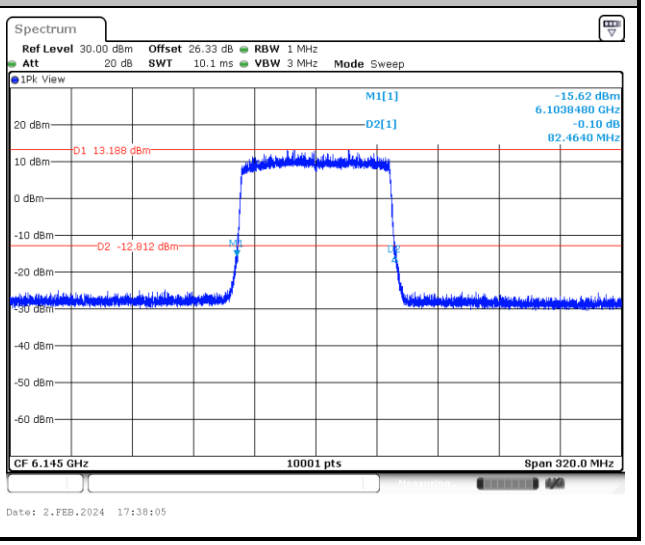
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

99% Occupied Bandwidth	26dB Bandwidth
	

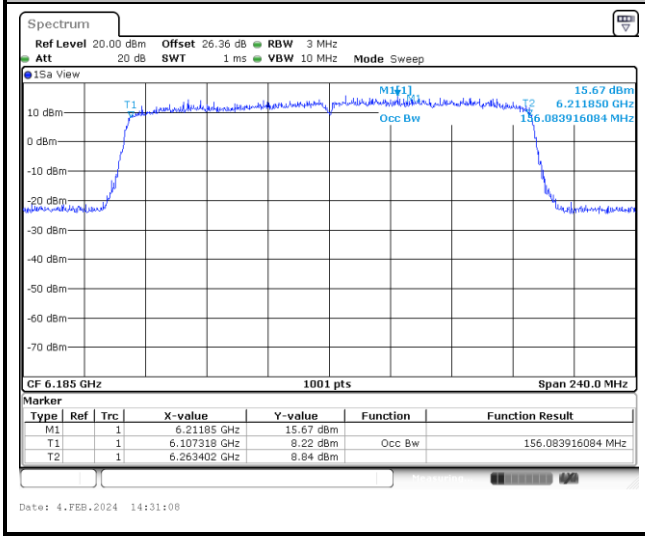
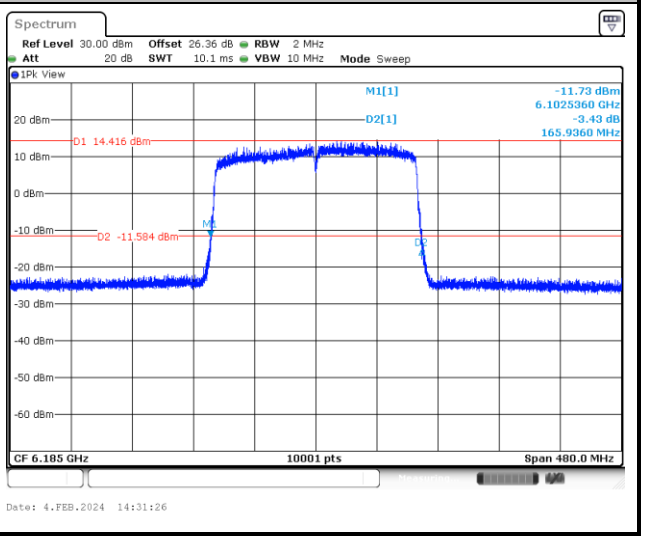
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE80>

99% Occupied Bandwidth	26dB Bandwidth
	

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

<802.11ax HE160>

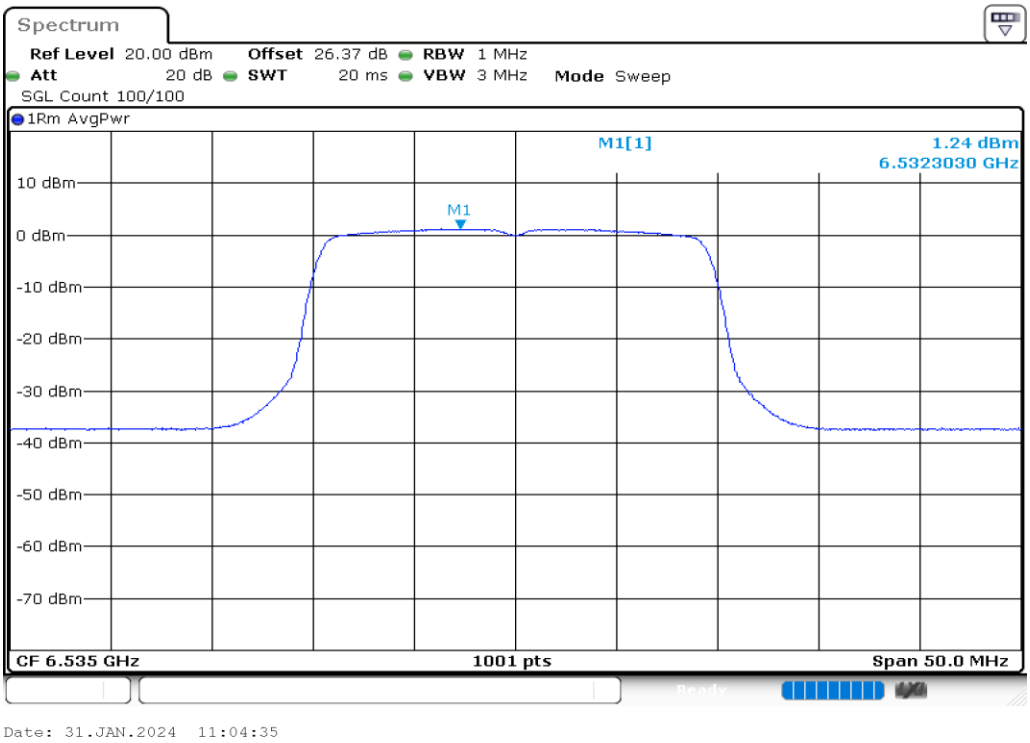
99% Occupied Bandwidth	26dB Bandwidth
	

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

Test Result of Power Spectral Density

<802.11ax HE20>

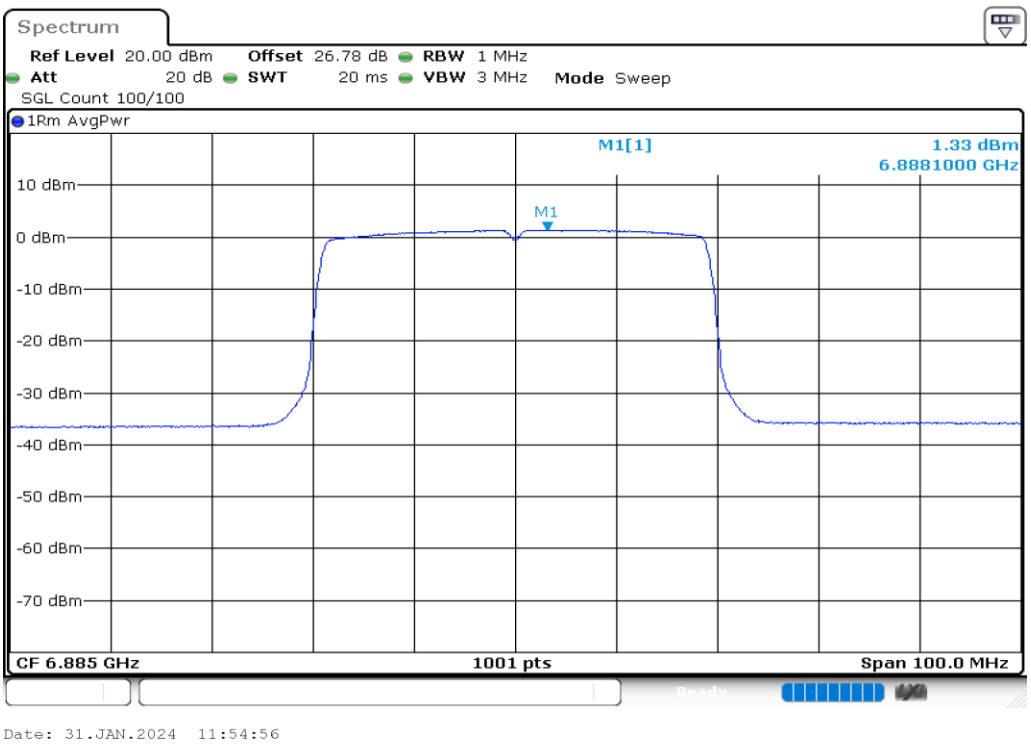
Maximum Power Density Plot (dBm/MHz)



Note: EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain

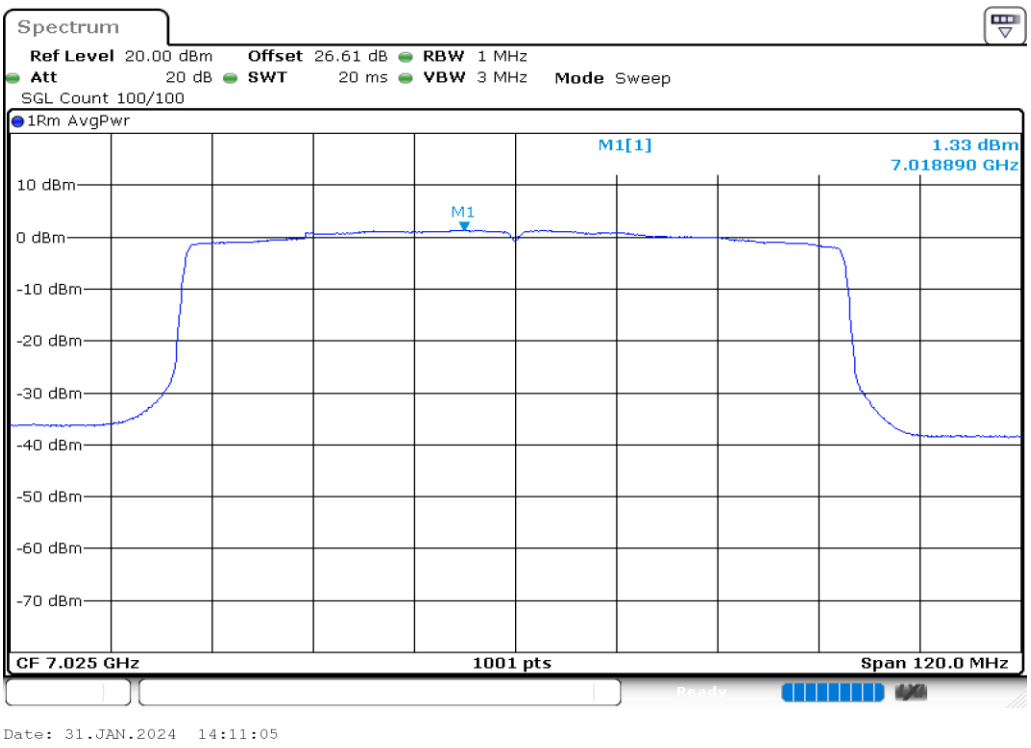
<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)

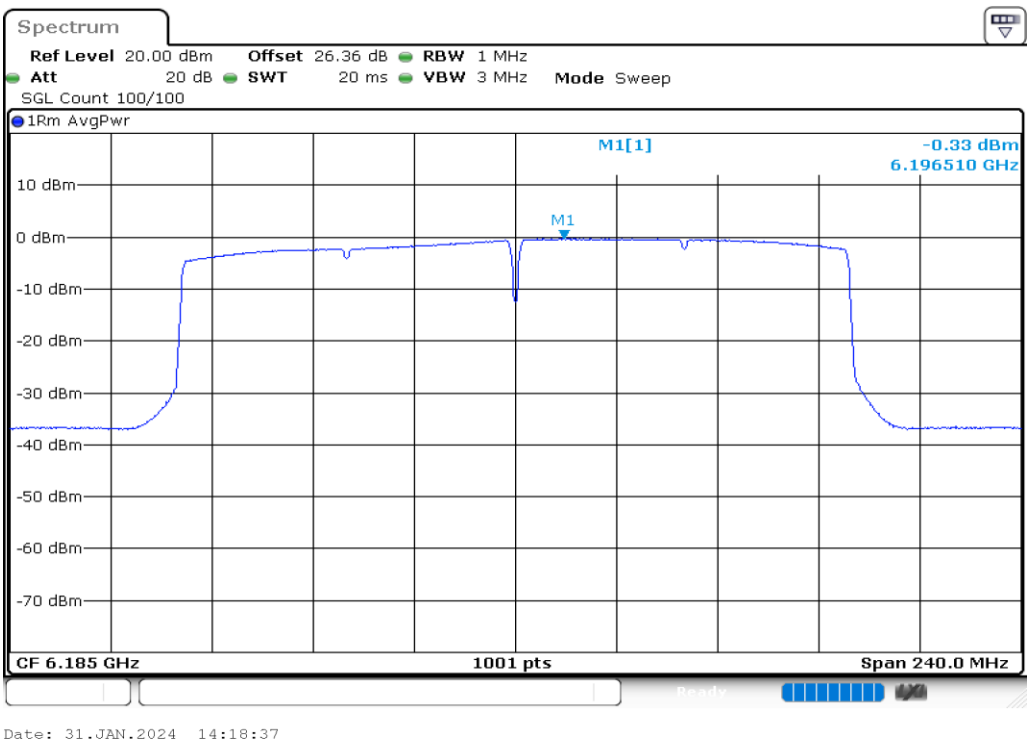


Note: EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain

<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)

Note: EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain

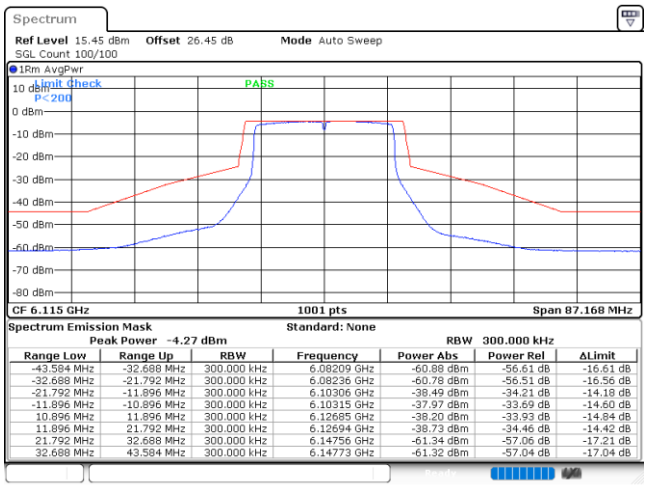
<802.11ax HE160>

Maximum Power Density Plot (dBm/MHz)

Note: EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain

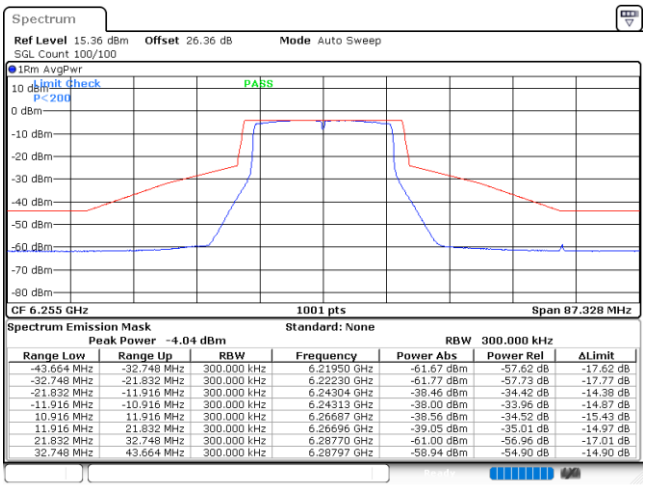
In-Band Emissions (Channel Mask)

EUT Mode	802.11ax HE20 Full RU

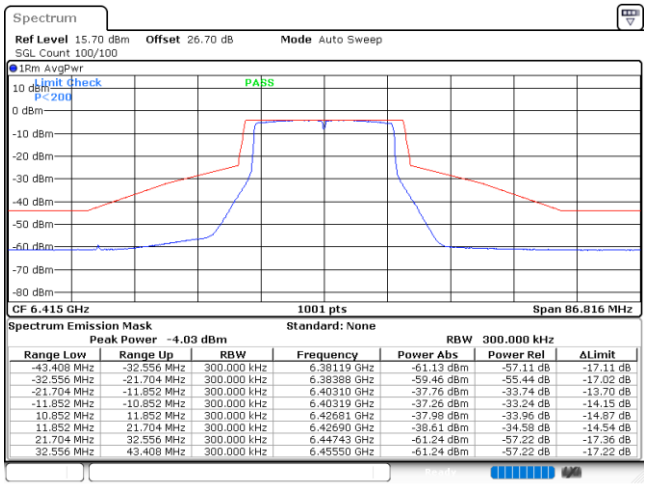
Plot on Channel 6115 MHz



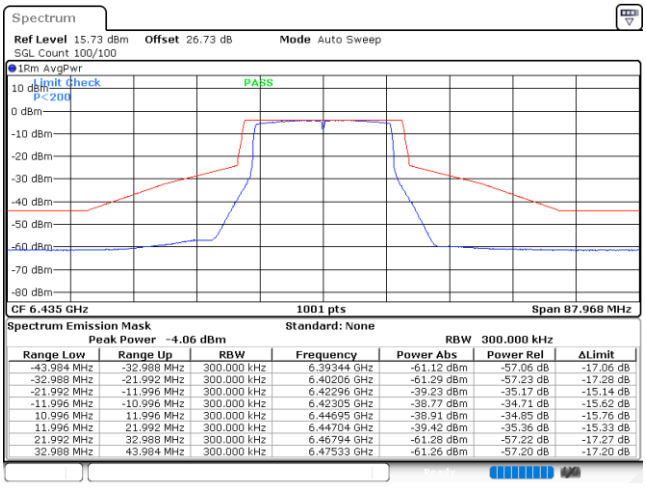
Plot on Channel 6255 MHz



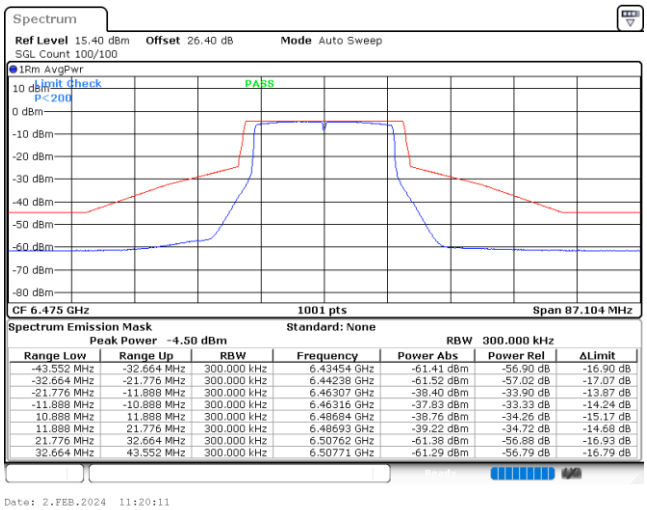
Plot on Channel 6415 MHz



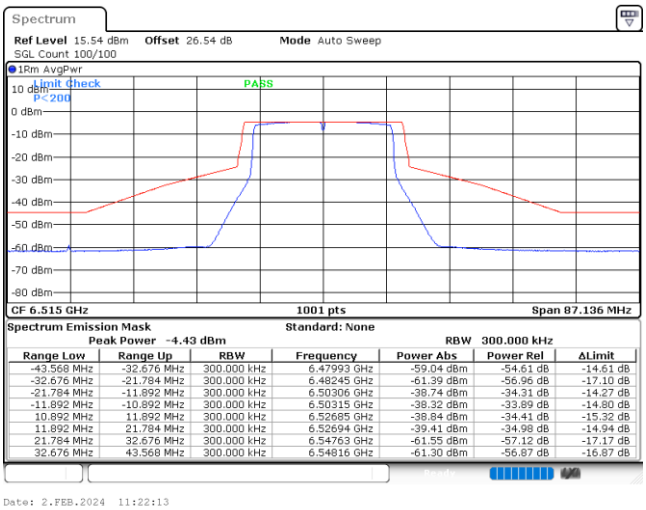
Plot on Channel 6435 MHz



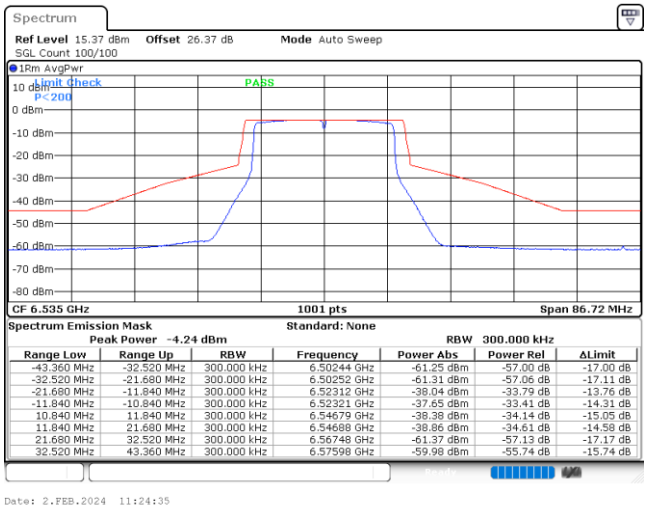
Plot on Channel 6475 MHz



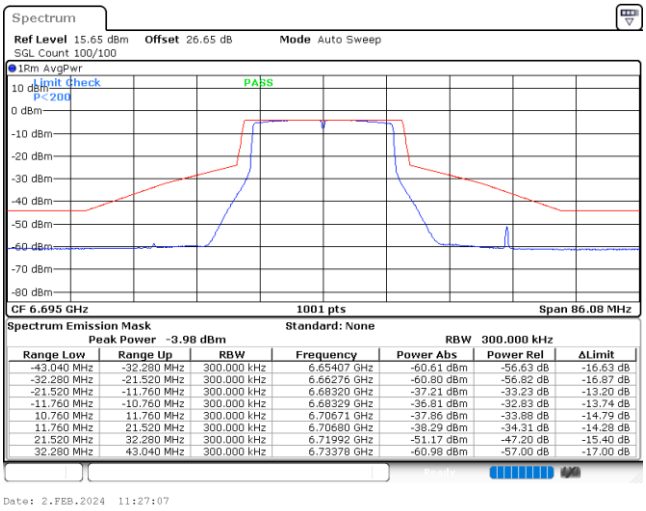
Plot on Channel 6515 MHz



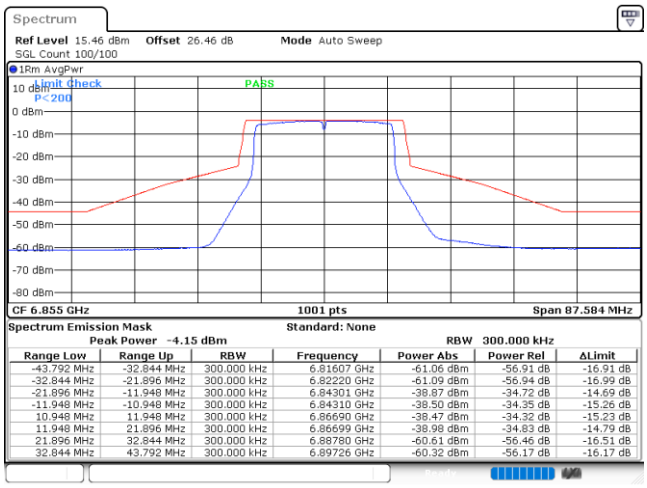
Plot on Channel 6535 MHz



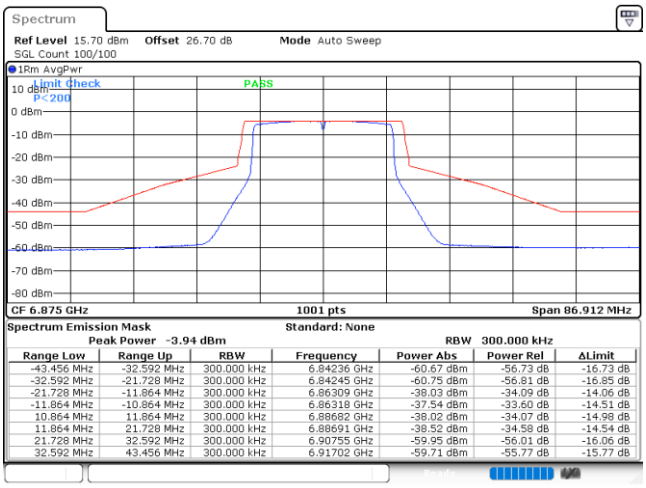
Plot on Channel 6695 MHz



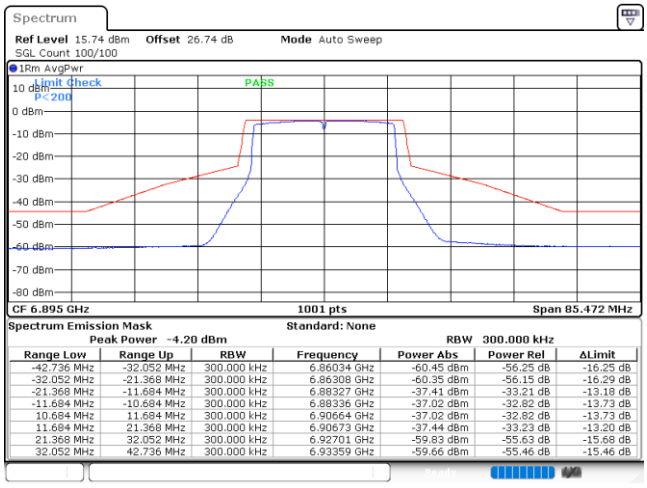
Plot on Channel 6855 MHz



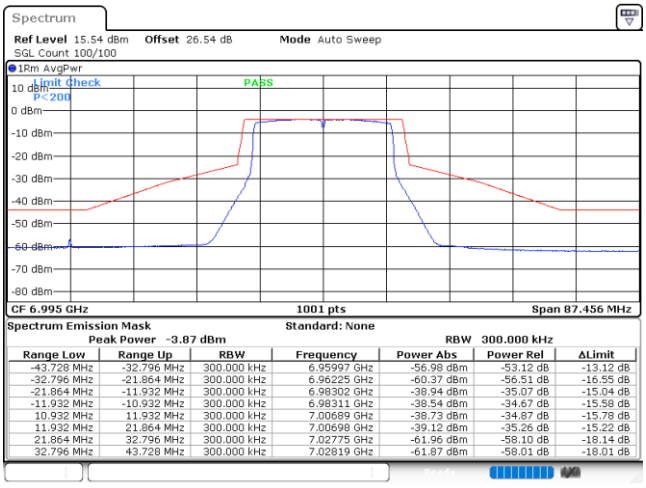
Plot on Channel 6875 MHz



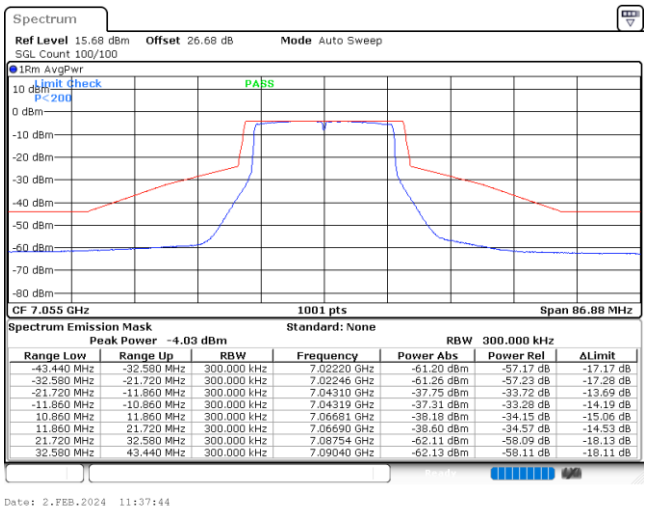
Plot on Channel 6895 MHz



Plot on Channel 6995 MHz

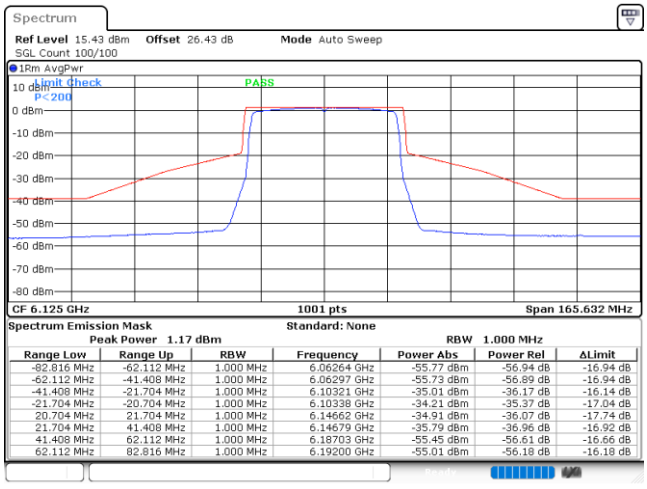


Plot on Channel 7055 MHz

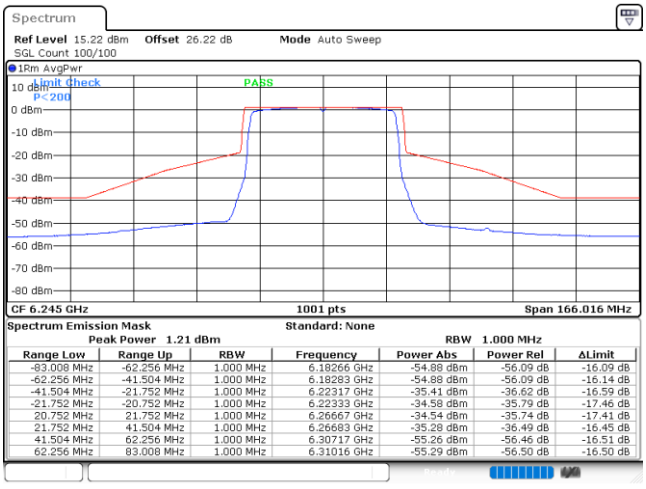


EUT Mode	802.11ax HE40 Full RU

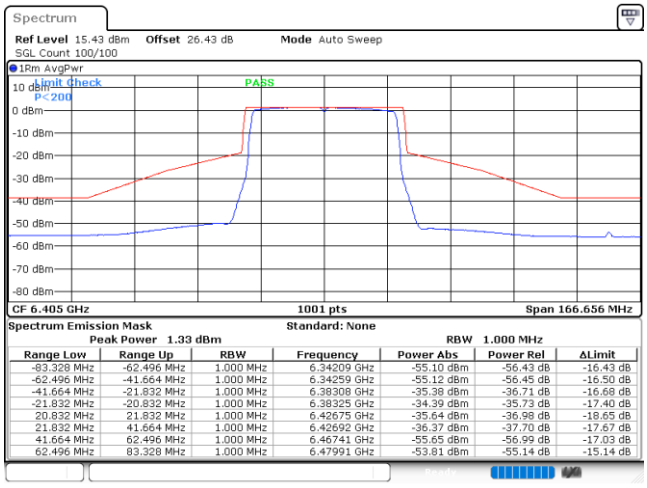
Plot on Channel 6125 MHz



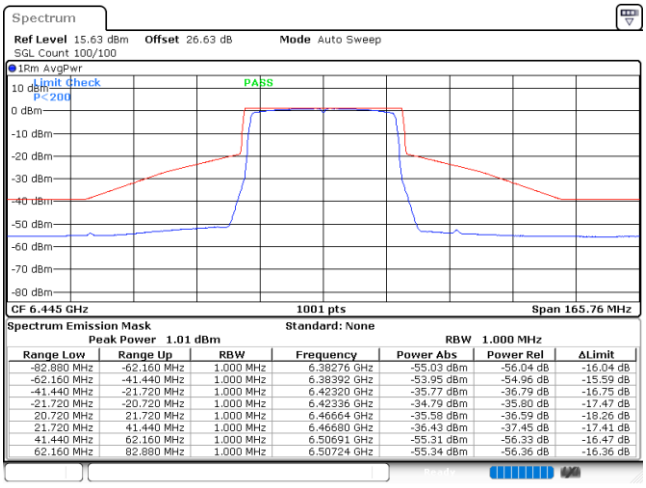
Plot on Channel 6245 MHz



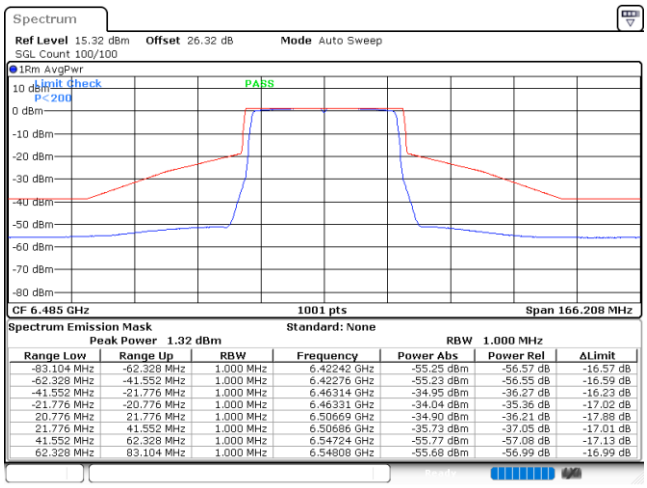
Plot on Channel 6405 MHz



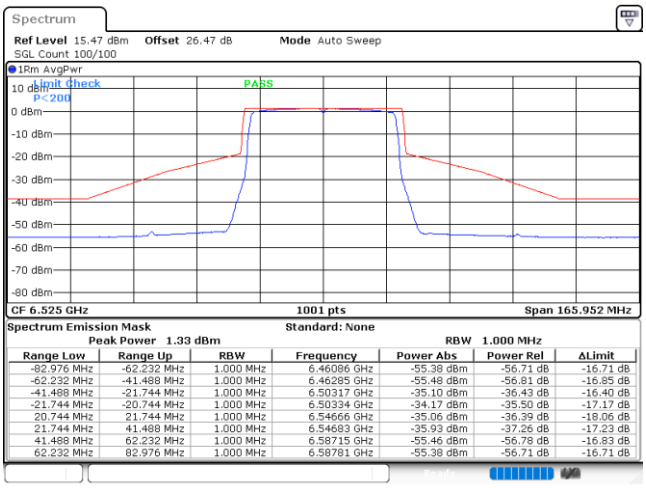
Plot on Channel 6445 MHz



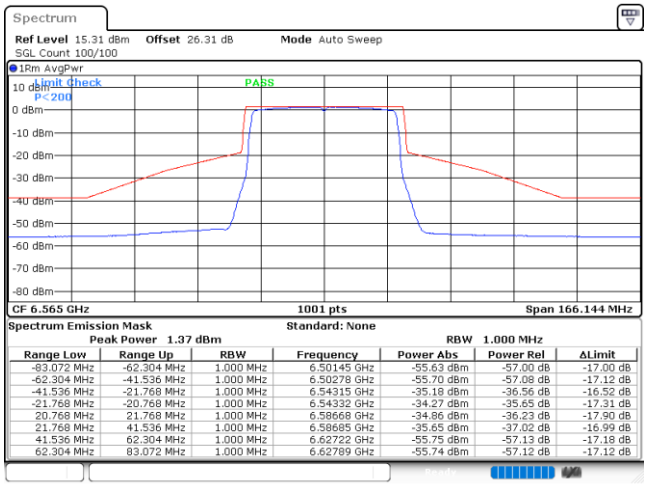
Plot on Channel 6485 MHz



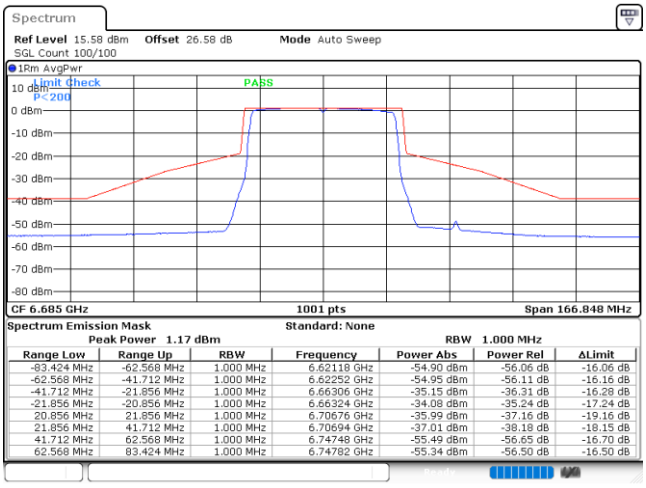
Plot on Channel 6525 MHz



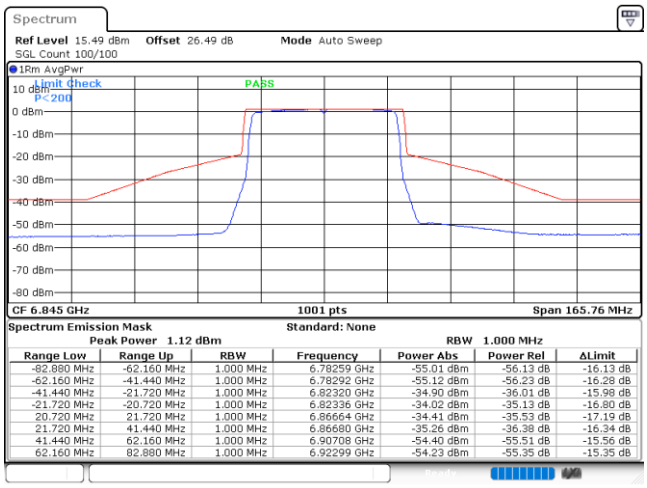
Plot on Channel 6565 MHz



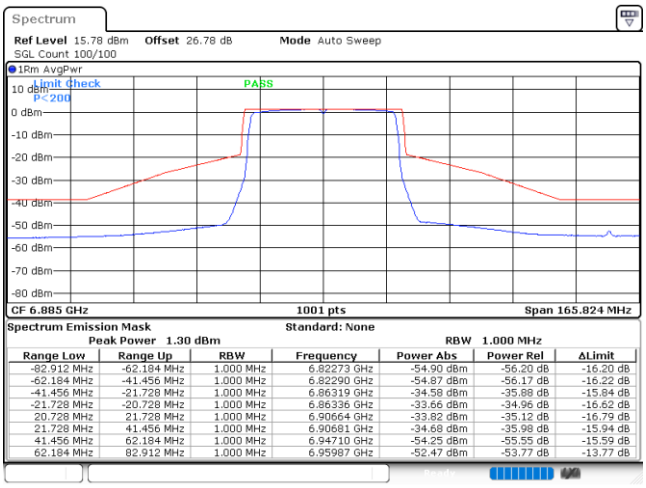
Plot on Channel 6685 MHz



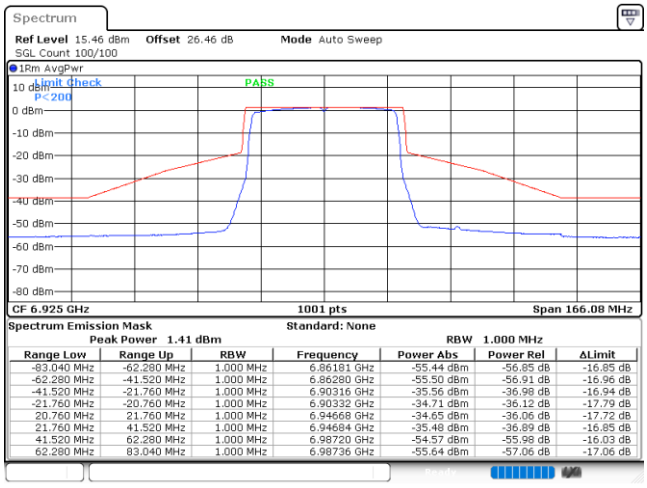
Plot on Channel 6845 MHz



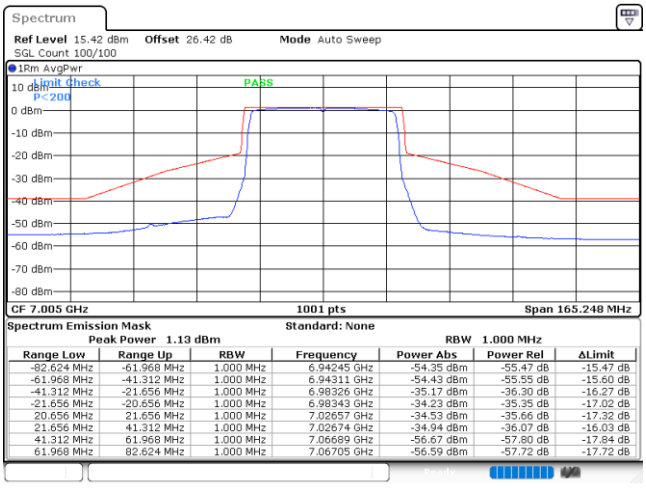
Plot on Channel 6885 MHz



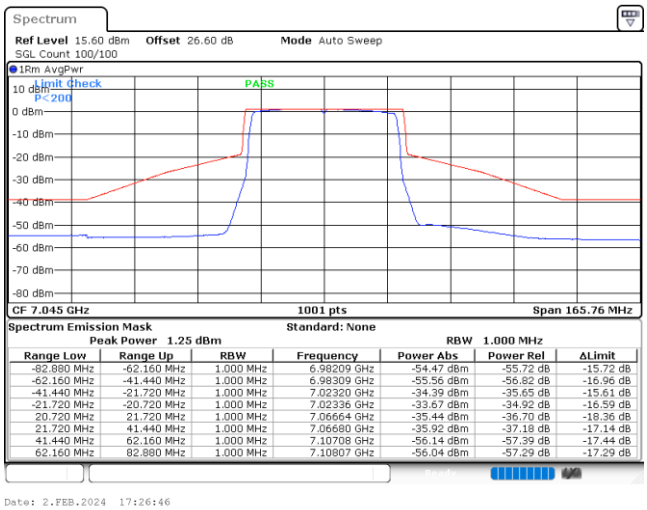
Plot on Channel 6925 MHz



Plot on Channel 7005 MHz

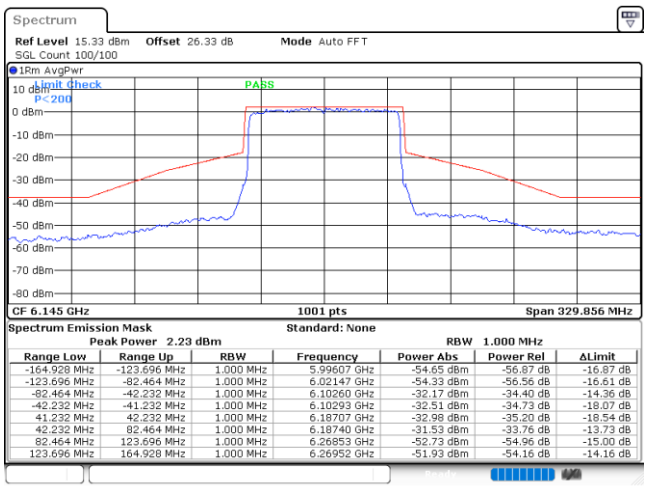


Plot on Channel 7045 MHz

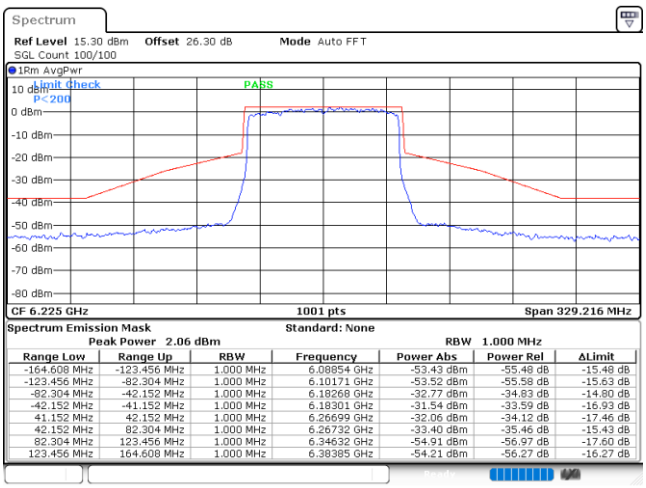


EUT Mode	802.11ax HE80 Full RU

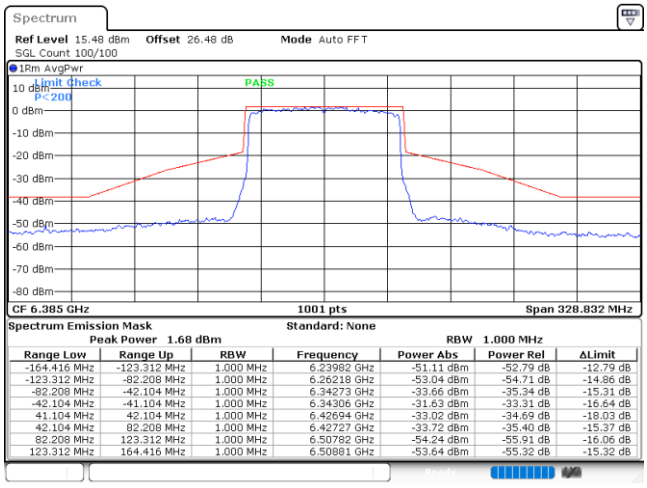
Plot on Channel 6145 MHz



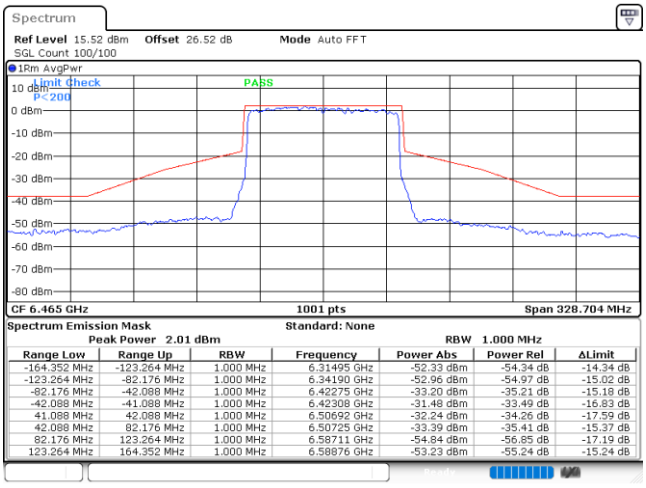
Plot on Channel 6225 MHz



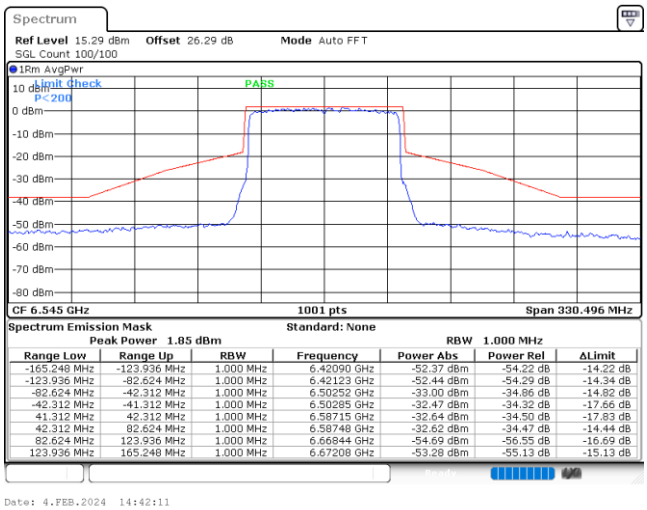
Plot on Channel 6385 MHz



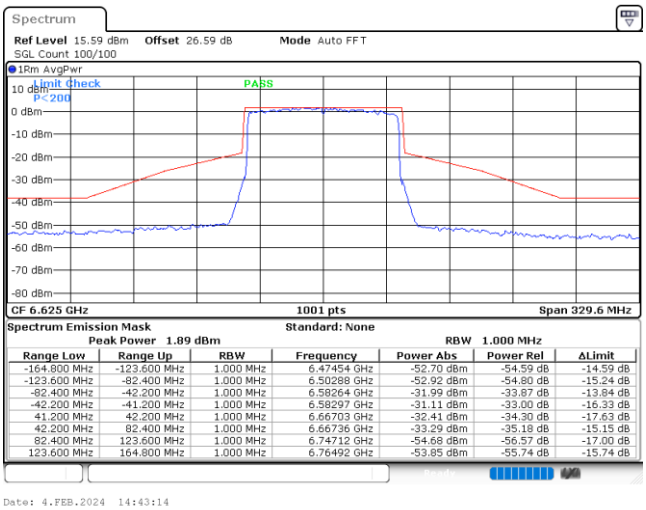
Plot on Channel 6465 MHz



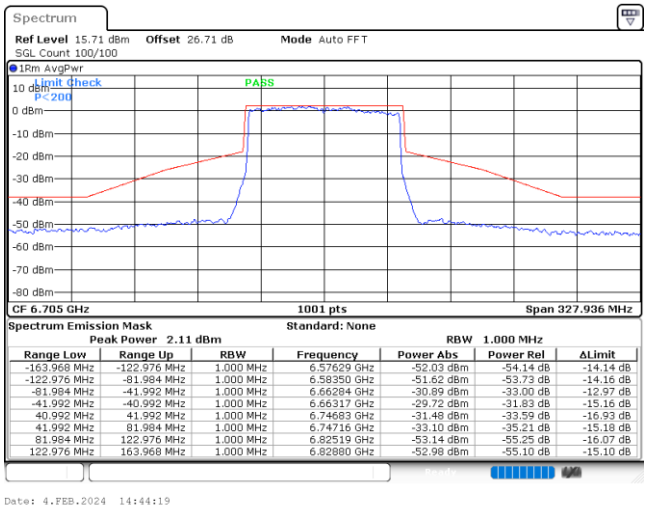
Plot on Channel 6545 MHz



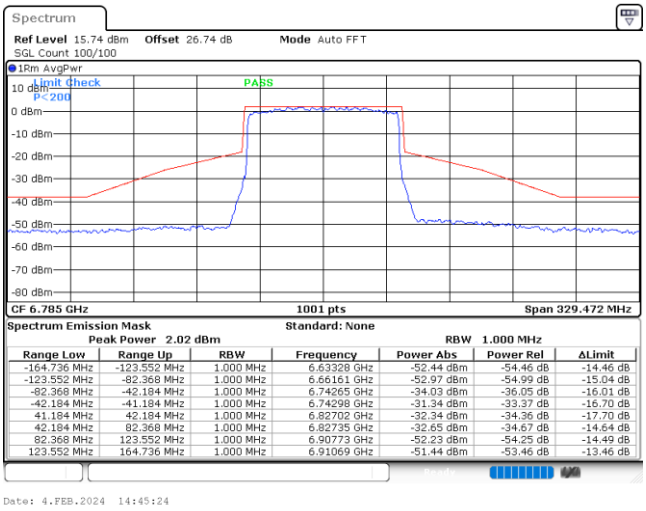
Plot on Channel 6625 MHz



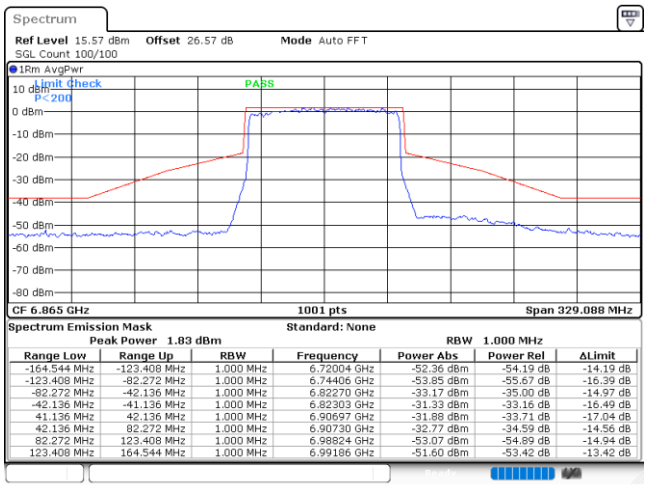
Plot on Channel 6705 MHz



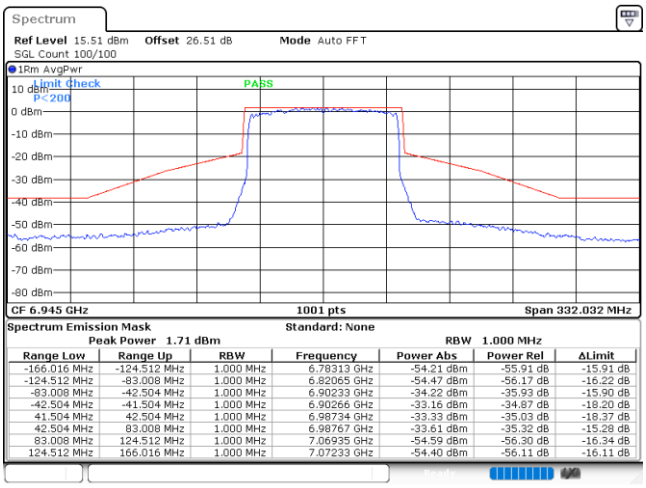
Plot on Channel 6785 MHz



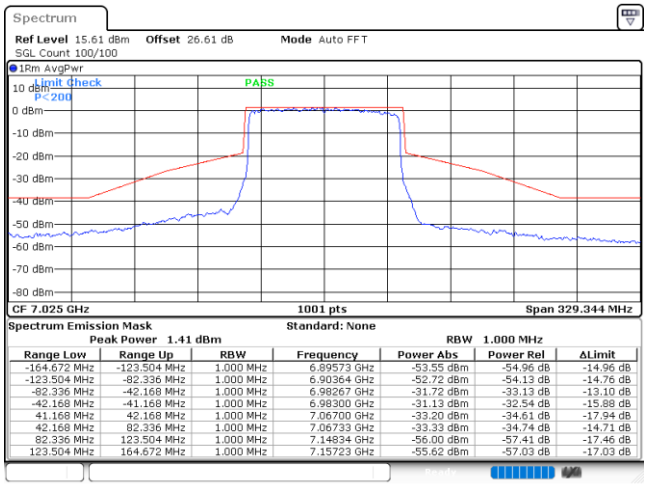
Plot on Channel 6865 MHz



Plot on Channel 6945 MHz

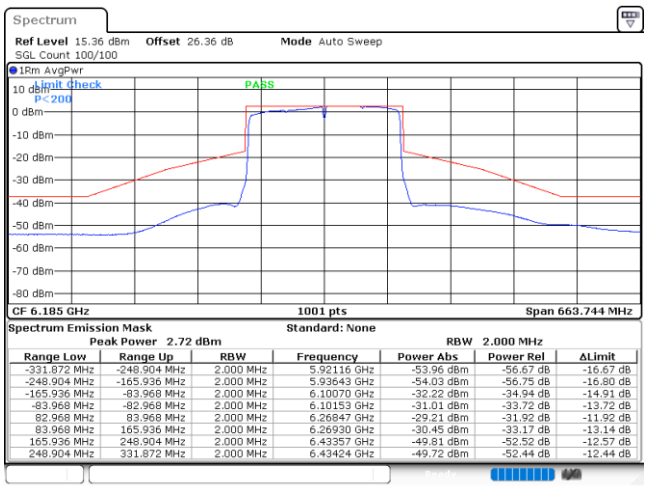


Plot on Channel 7025 MHz

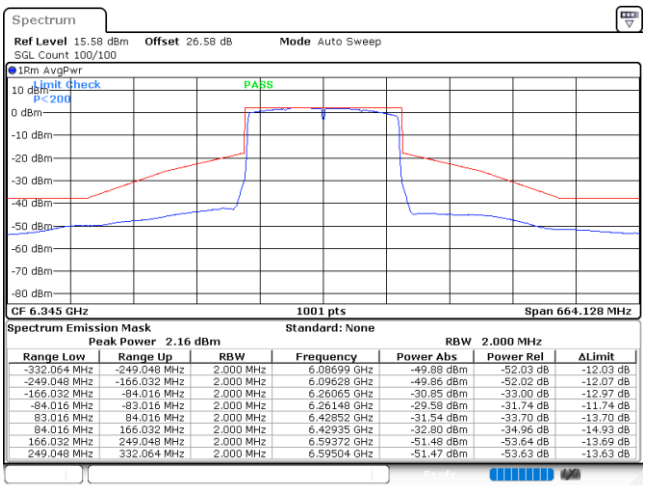


EUT Mode	802.11ax HE160 Full RU

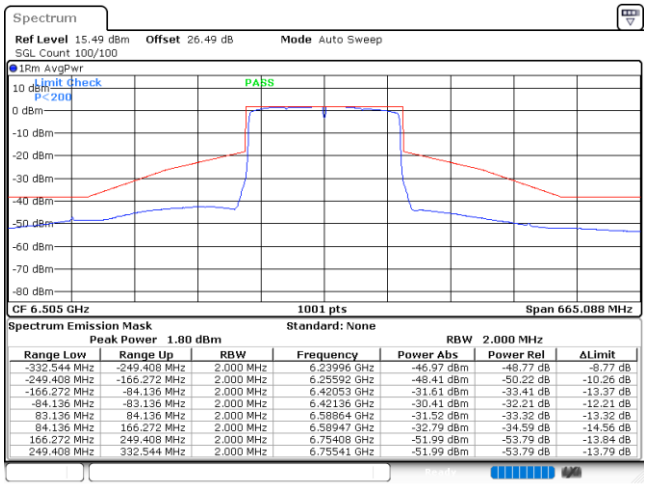
Plot on Channel 6185 MHz



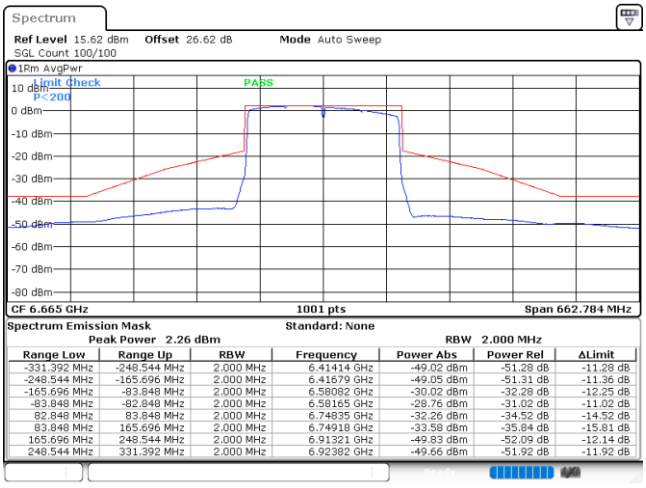
Plot on Channel 6345 MHz



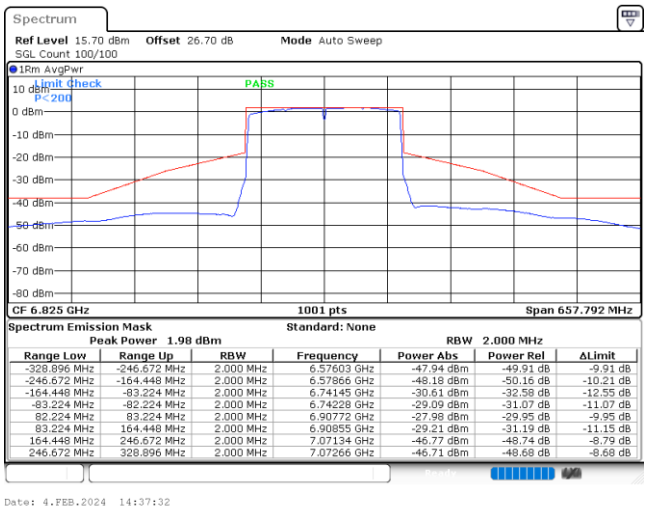
Plot on Channel 6505 MHz



Plot on Channel 6665 MHz



Plot on Channel 6825 MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-328.896 MHz	-246.672 MHz	2.000 MHz	6.57603 GHz	-47.94 dBm	-49.91 dB	-9.91 dB
-246.672 MHz	-164.448 MHz	2.000 MHz	6.57866 GHz	-48.18 dBm	-50.16 dB	-10.21 dB
-164.448 MHz	-83.224 MHz	2.000 MHz	6.74145 GHz	-30.61 dBm	-32.58 dB	-12.55 dB
-83.224 MHz	-82.224 MHz	2.000 MHz	6.74228 GHz	-29.09 dBm	-31.07 dB	-11.07 dB
82.224 MHz	83.224 MHz	2.000 MHz	6.90772 GHz	-27.98 dBm	-29.95 dB	-9.95 dB
83.224 MHz	164.448 MHz	2.000 MHz	6.90855 GHz	-29.21 dBm	-31.19 dB	-11.15 dB
164.448 MHz	246.672 MHz	2.000 MHz	7.07134 GHz	-46.77 dBm	-48.74 dB	-8.79 dB
246.672 MHz	328.896 MHz	2.000 MHz	7.07266 GHz	-46.71 dBm	-48.68 dB	-8.68 dB

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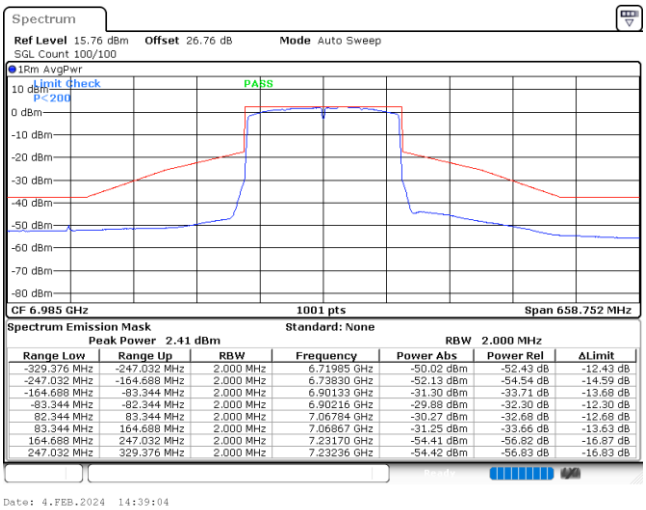
Plot on Channel 6985 MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-329.376 MHz	-247.032 MHz	2.000 MHz	6.71985 GHz	-50.02 dBm	-52.43 dB	-12.43 dB
-247.032 MHz	-164.688 MHz	2.000 MHz	6.73830 GHz	-52.13 dBm	-54.54 dB	-14.59 dB
-164.688 MHz	-83.344 MHz	2.000 MHz	6.90133 GHz	-31.30 dBm	-33.71 dB	-13.68 dB
-83.344 MHz	-82.344 MHz	2.000 MHz	6.90216 GHz	-29.88 dBm	-32.30 dB	-12.30 dB
82.344 MHz	83.344 MHz	2.000 MHz	7.06784 GHz	-30.27 dBm	-32.68 dB	-12.68 dB
83.344 MHz	164.688 MHz	2.000 MHz	7.06867 GHz	-31.25 dBm	-33.66 dB	-13.63 dB
164.688 MHz	247.032 MHz	2.000 MHz	7.23170 GHz	-54.41 dBm	-56.82 dB	-16.87 dB
247.032 MHz	329.376 MHz	2.000 MHz	7.23236 GHz	-54.42 dBm	-56.83 dB	-16.83 dB

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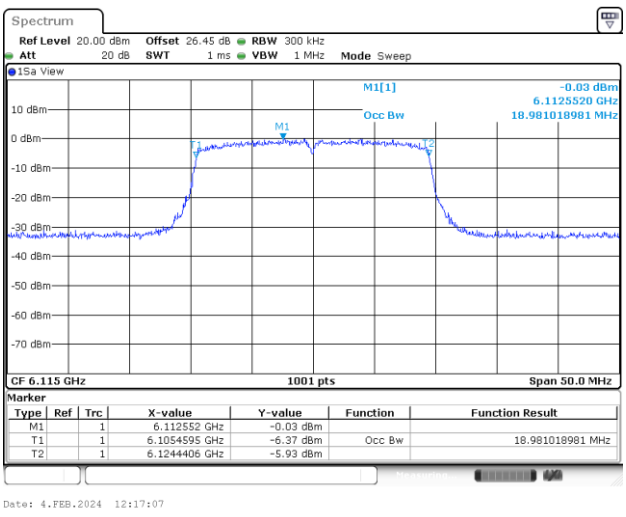
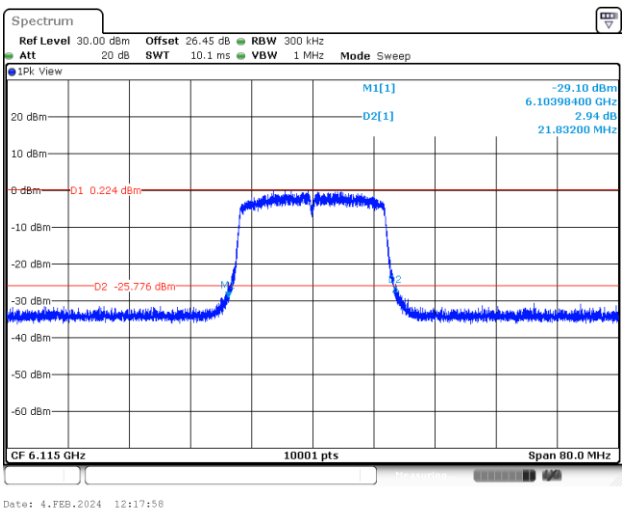
<CDD Mode>

MIMO <Ant. 7+2>

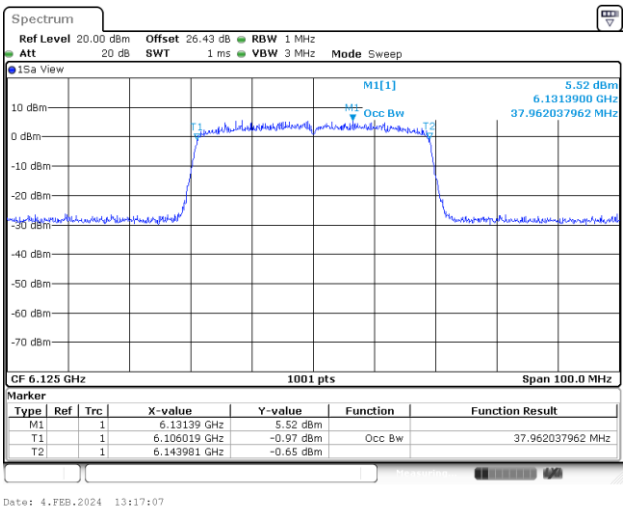
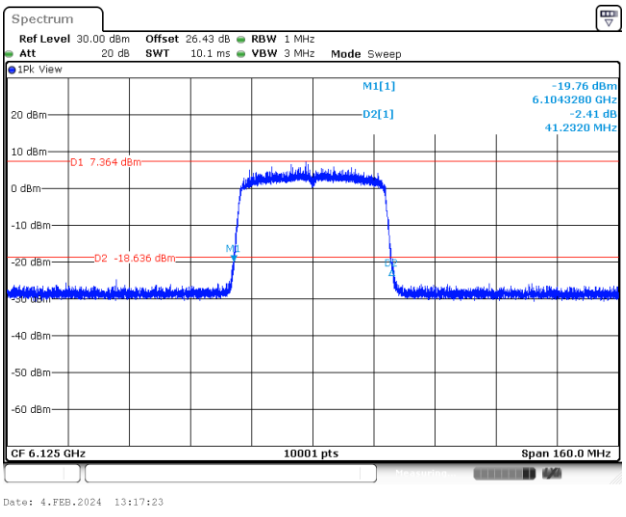
Test Result of 26dB & 99% Occupied Bandwidth

<802.11ax HE20>

99% Occupied Bandwidth	26dB Bandwidth
	

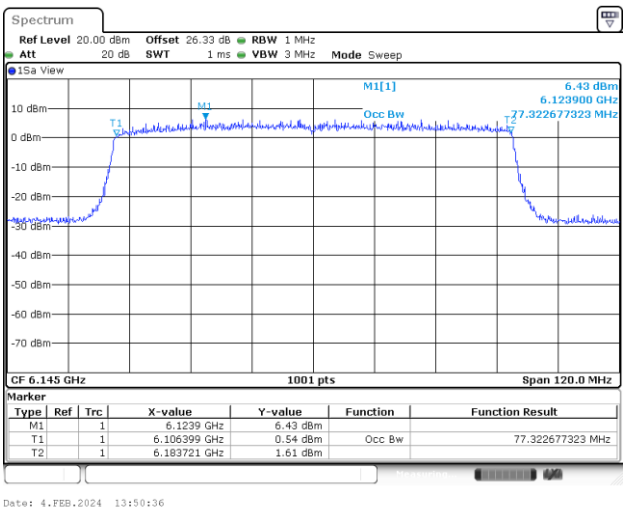
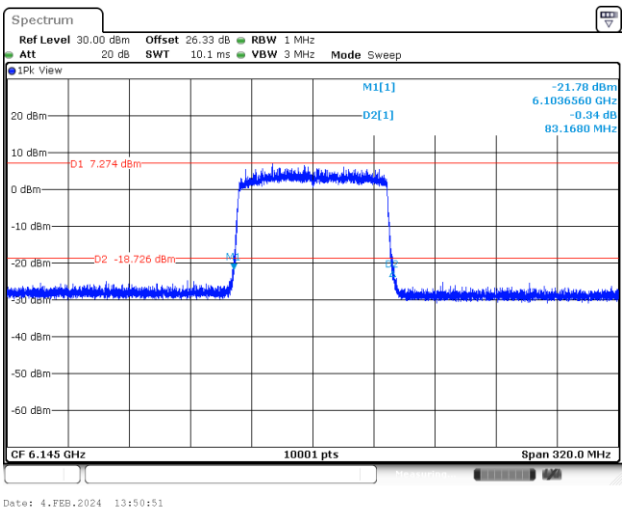
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

99% Occupied Bandwidth	26dB Bandwidth
	

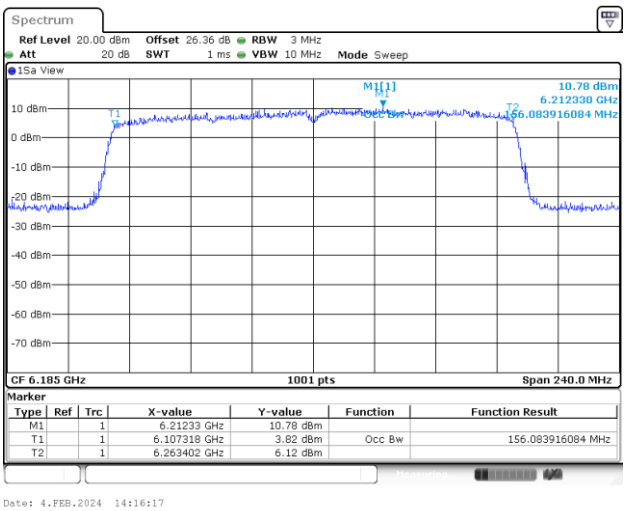
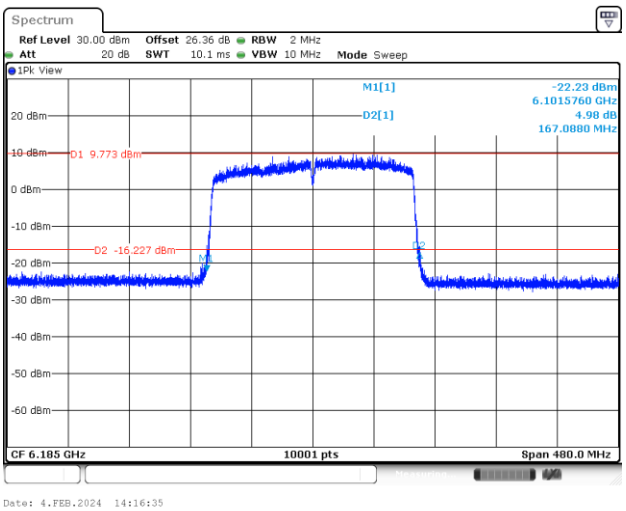
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE80>

99% Occupied Bandwidth	26dB Bandwidth
	

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

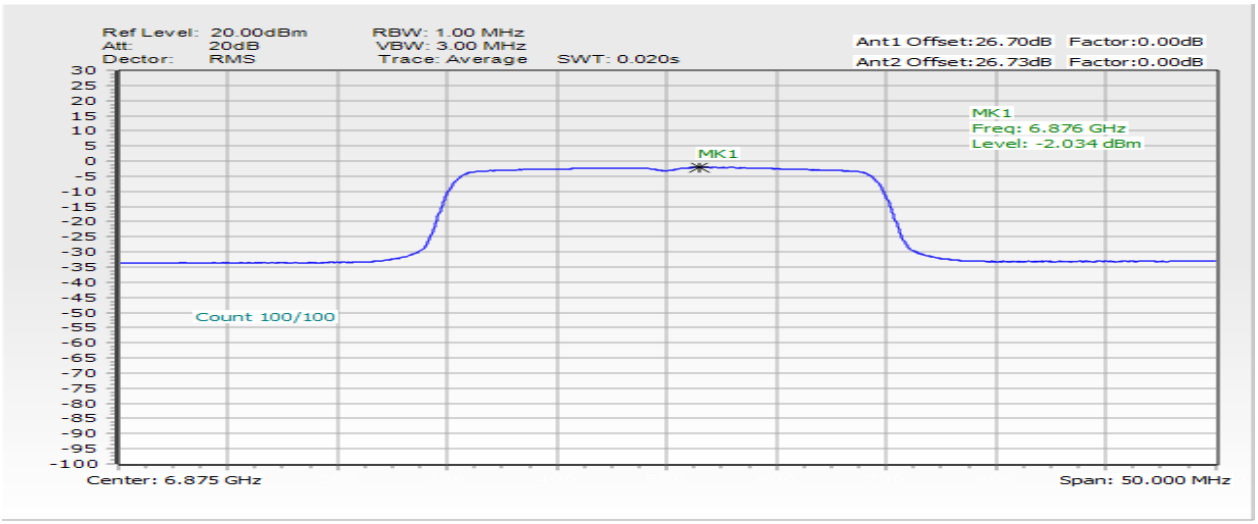
<802.11ax HE160>

99% Occupied Bandwidth	26dB Bandwidth
	

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

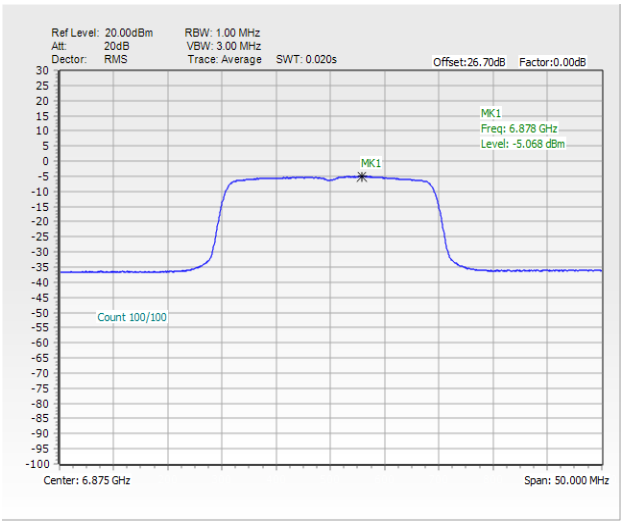
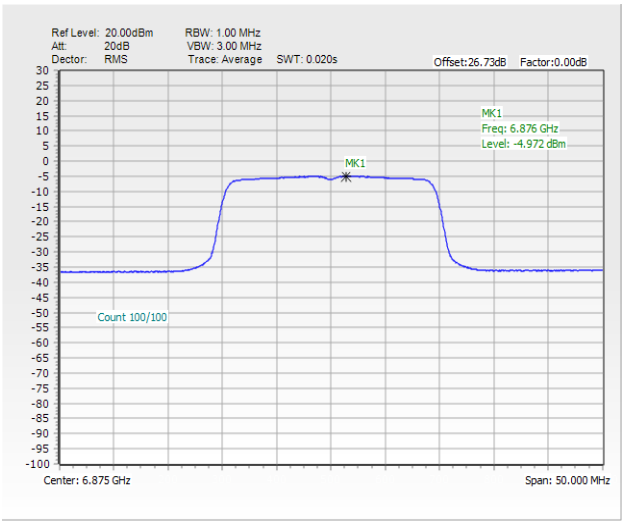
Test Result of Power Spectral Density

<802.11ax HE20>

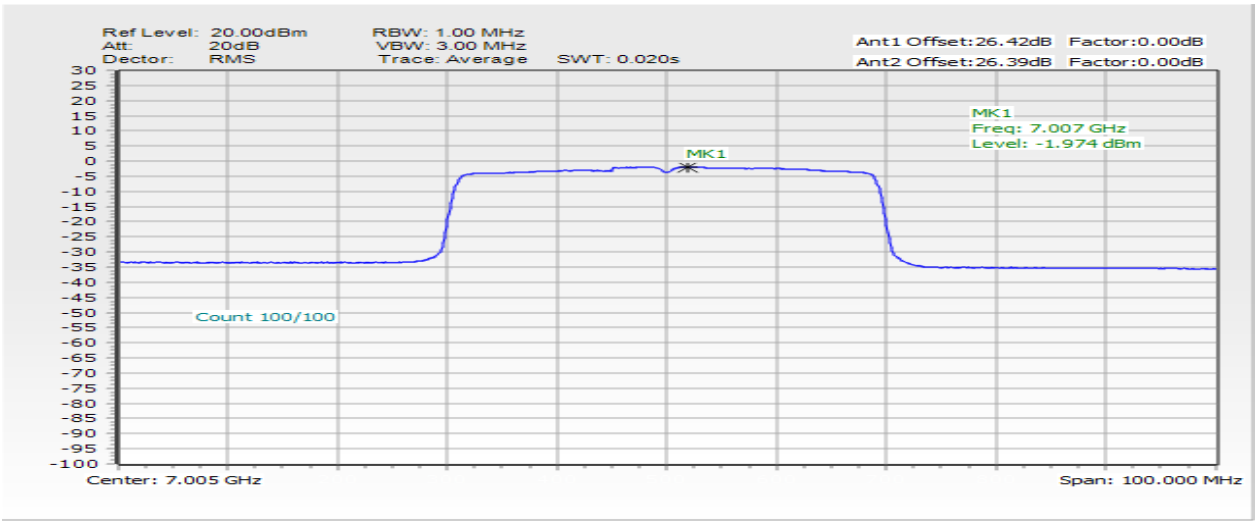
Maximum Power Density Plot (dBm/MHz)


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

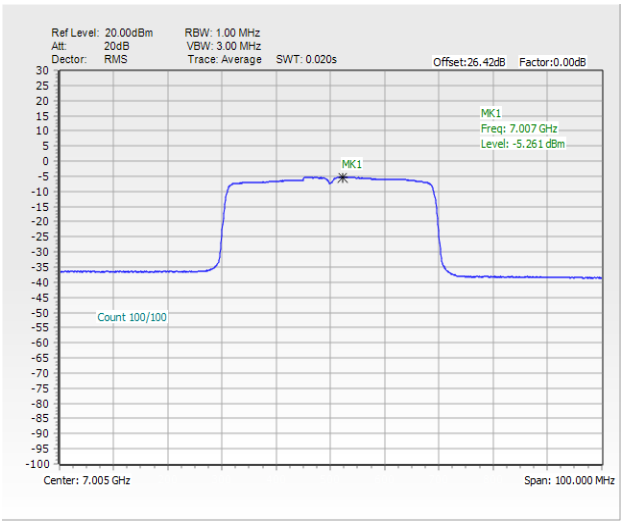
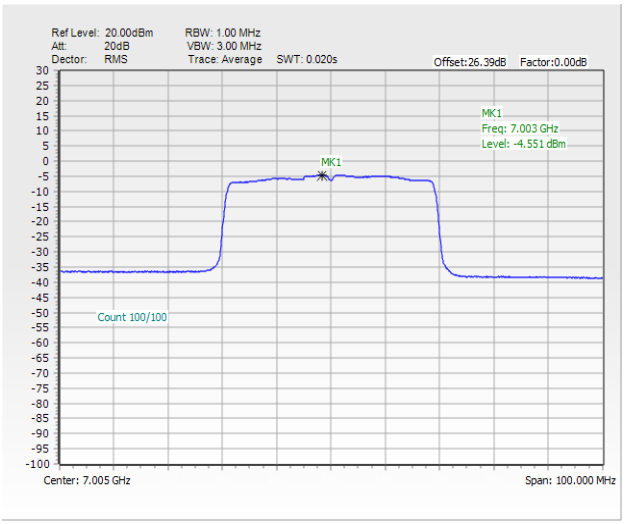
Power Density Plot Trace 1 (Ant 7)	Power Density Plot Trace 2 (Ant 2)
	

<802.11ax HE40>

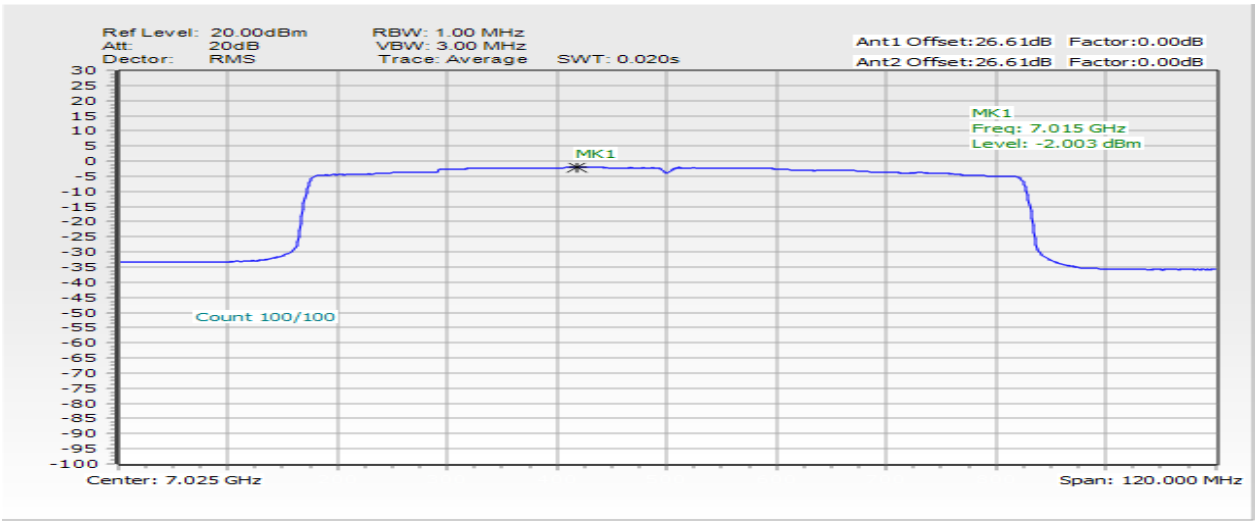
Maximum Power Density Plot (dBm/MHz)


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

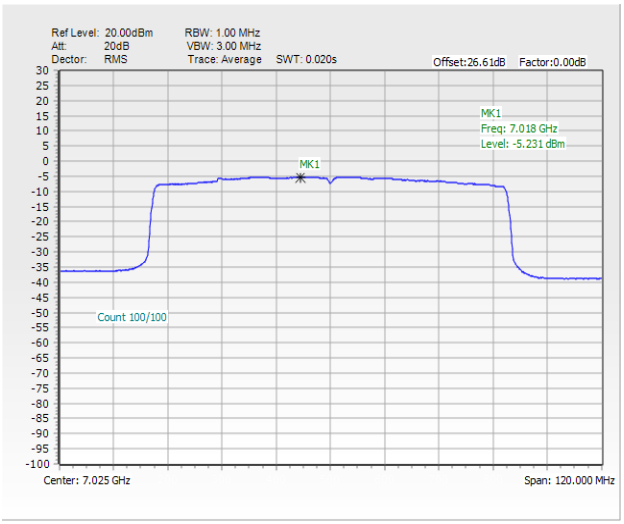
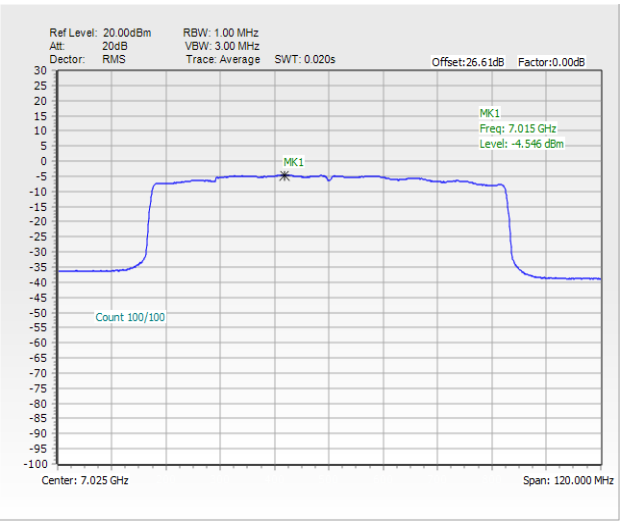
Power Density Plot Trace 1 (Ant 7)	Power Density Plot Trace 2 (Ant 2)
	

<802.11ax HE80>

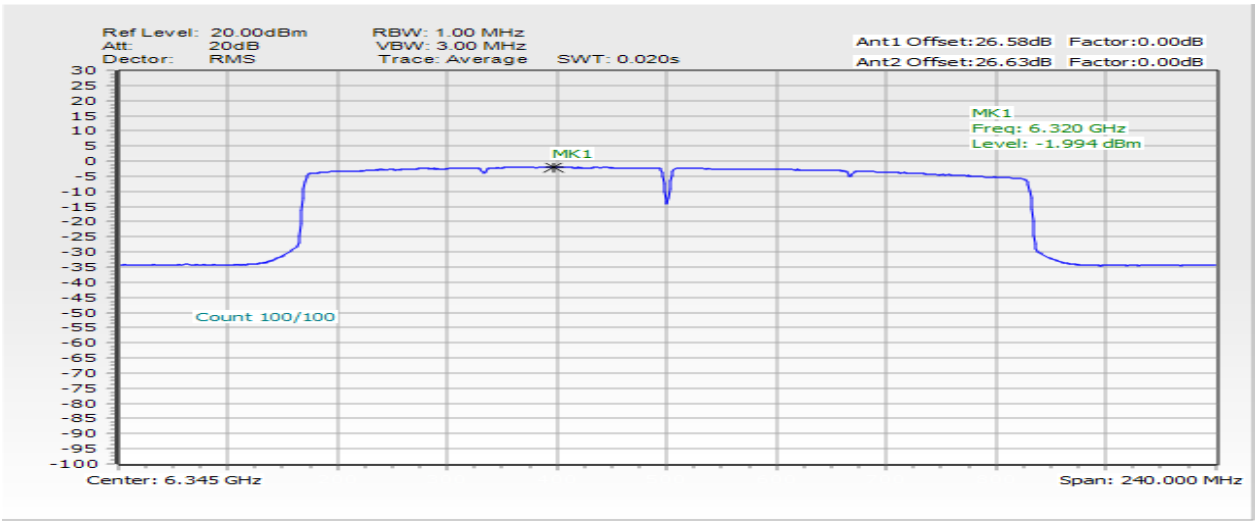
Maximum Power Density Plot (dBm/MHz)


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

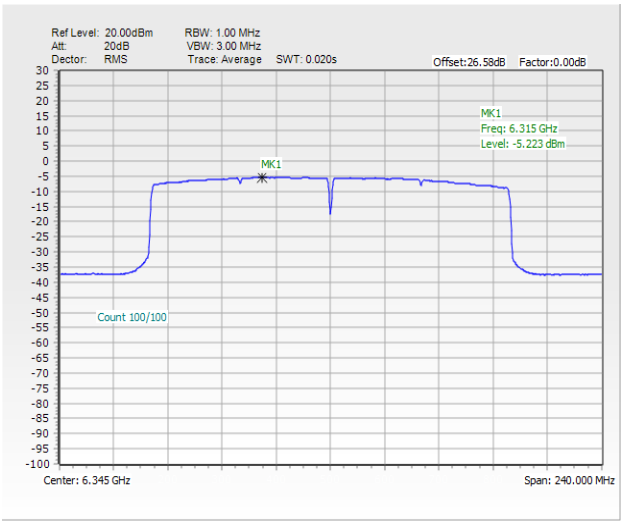
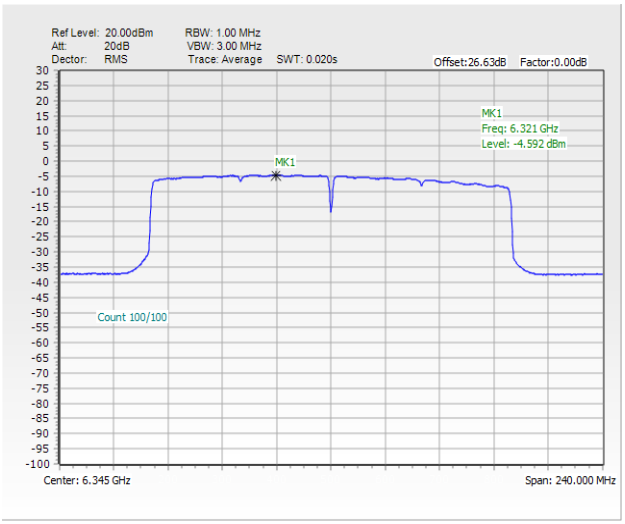
Power Density Plot Trace 1 (Ant 7)	Power Density Plot Trace 2 (Ant 2)
	

<802.11ax HE160>

Maximum Power Density Plot (dBm/MHz)


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

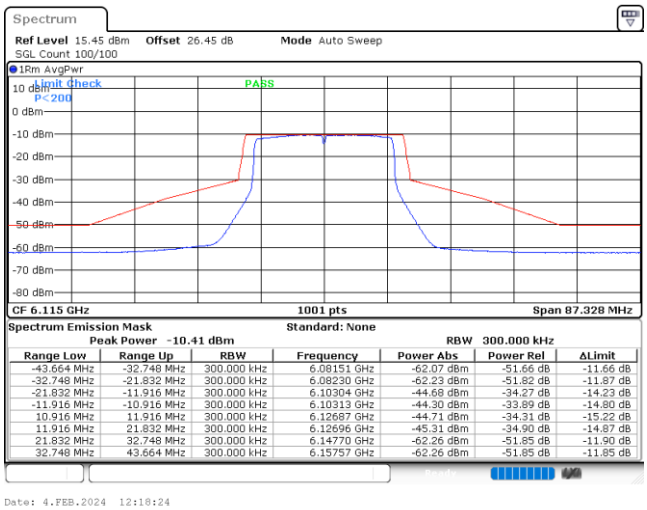
Power Density Plot Trace 1 (Ant 7)	Power Density Plot Trace 2 (Ant 2)
	

In-Band Emissions (Channel Mask)

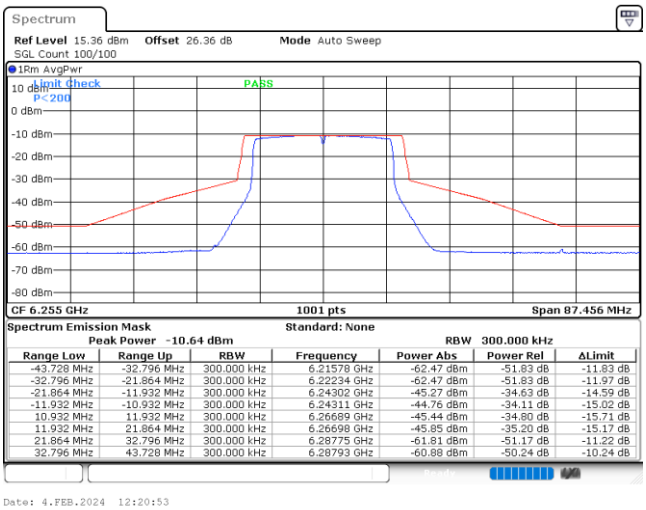
MIMO <Ant.7+2(7)>

EUT Mode	802.11ax HE20 Full RU

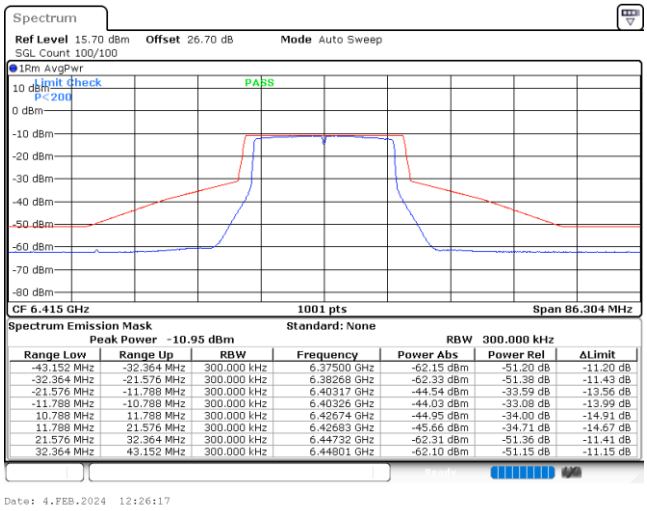
Plot on Channel 6115 MHz



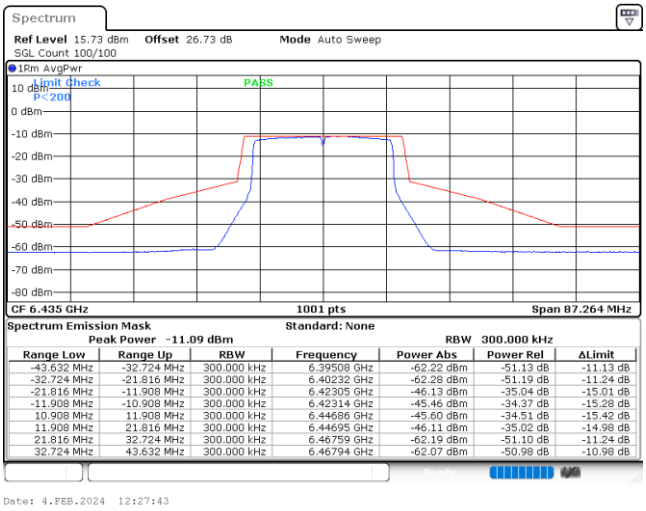
Plot on Channel 6255 MHz



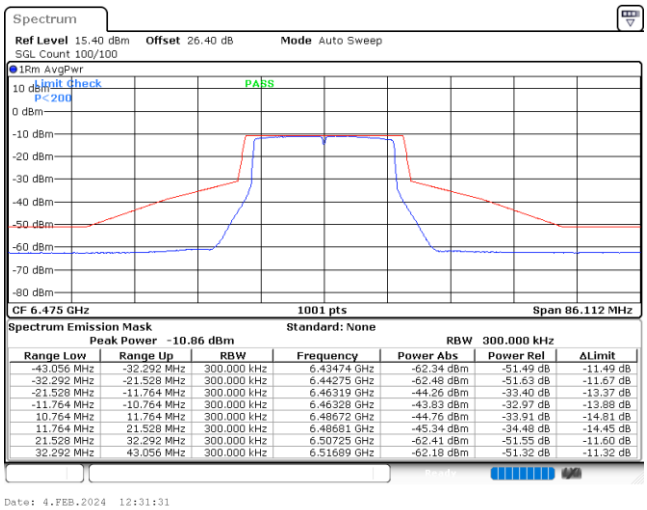
Plot on Channel 6415 MHz



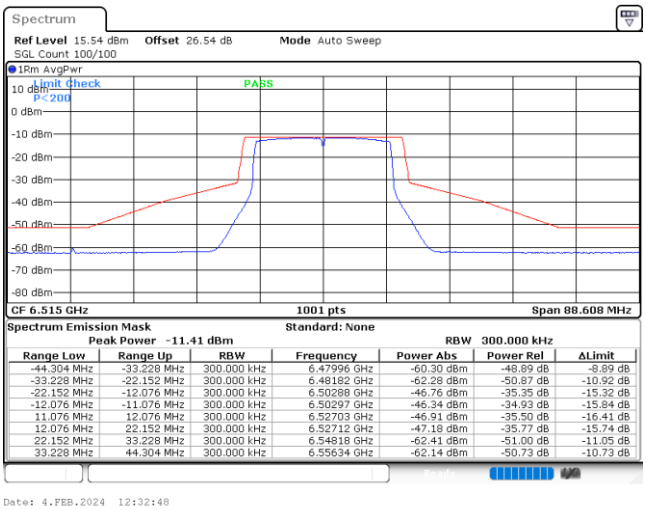
Plot on Channel 6435 MHz



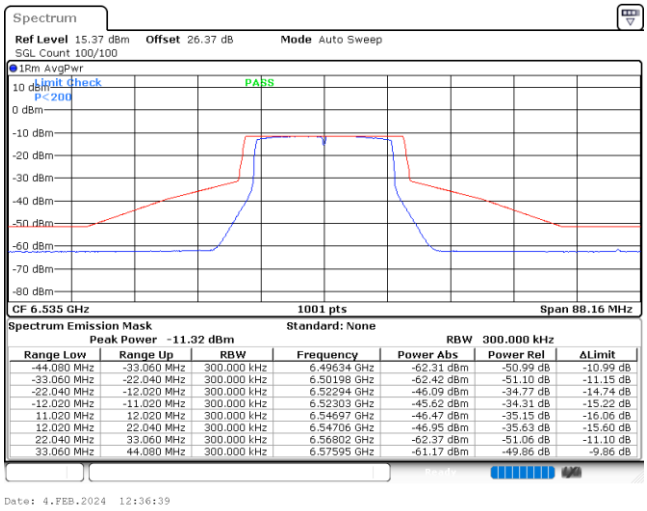
Plot on Channel 6475 MHz



Plot on Channel 6515 MHz



Plot on Channel 6535 MHz



Plot on Channel 6695 MHz