



FCC RADIO TEST REPORT

FCC ID : 2AYOA-4010
Equipment : AI GLASSES
Brand Name : Ray-Ban Meta or Ray-Ban
Model Name : RW7001, RW7002
Applicant : Luxottica Group S.p.A.
Piazzale Cadorna 3 20123 Milan, Italy
Manufacturer : Luxottica Group S.p.A.
Piazzale Cadorna 3 20123 Milan, Italy
Standard : FCC Part 15 Subpart E §15.407

The product was received on Oct. 20, 2025 and testing was performed from Oct. 22, 2025 to Nov. 26, 2025. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this 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
FR5O1534F	01	Initial issue of report	Dec. 24, 2025
FR5O1534F	02	Revise Product Feature of Equipment Under Test and section 3.1.5 This report is an updated version, replacing the report issued on Dec. 24, 2025.	Dec. 31, 2025

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	Pass	-
3.2	15.407(a)(8)	Fundamental Maximum EIRP	Pass	-
3.3	15.407(a)(8)	Fundamental Power Spectral Density	Pass	-
3.4	15.407(b)(7)	In-Band Emissions (Channel Mask)	Pass	-
3.5	15.407(b)	Unwanted Emissions	Pass	-
3.6	15.207	AC Conducted Emission	Pass	-
3.7	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Yun Huang

Report Producer: Hannah Yang

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs Bluetooth, Bluetooth-LE, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax and Wi-Fi 6GHz 802.11a/ax
Antenna Type WLAN: IFA Antenna

Antenna information		
5925 MHz ~ 6425 MHz	Peak Gain (dBi)	1.74
6425 MHz ~ 6525 MHz	Peak Gain (dBi)	0.26
6525 MHz ~ 6875 MHz	Peak Gain (dBi)	0.68
6875 MHz ~ 7125 MHz	Peak Gain (dBi)	1.53

Remark:

1. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.
2. There are three samples of EUT. The manufacturer declares that all the equipment share the same radio characteristics and Software/Firmware, the only differences between each of them are color of frames, lenses, and sizes which certainly do not affect the test results. Therefore, only Sample 1 was tested.

Sample	Model Name	Product Marketing Name
Sample 1	RW7002	RayBan Meta Scriber
Sample 2	RW7001	RayBan Meta Blazer Large
Sample 3	RW7001	RayBan Meta Blazer

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

The test location is accredited based on TAF code 3786 designated by NCC (National Communication Commission).

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.)

FCC designation No.: TW3786

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

1.4 Applicable Standards

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

- ♦FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01
- ♦FCC KDB 987594 D02 U-NII 6 GHz EMC Measurement v03
- ♦FCC KDB 414788 D01 Radiated Test Site v01r01
- ♦FCC KDB 662911 D01 Multiple Transmitter Output v02r01
- ♦ FCC Part 15 Subpart E
- ♦ ANSI C63.10-2020

Remark:

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

2 Test Configuration of Equipment Under Test

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

2.1 Carrier Frequency and Channel

BW 20M	Channel	1	5	9	13	17	21	25	29
	Freq. (MHz)	5955	5975	5995	6015	6035	6055	6075	6095
BW 40M	Channel	3		11		19		27	
	Freq. (MHz)	5965		6005		6045		6085	
BW 80M	Channel	7				23			
	Freq. (MHz)	5985				6065			
BW 160M	Channel	15							
	Freq. (MHz)	6025							

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							

BW 20M	Channel	225				229			
	Freq. (MHz)	7075				7095			
BW 40M	Channel	227							
	Freq. (MHz)	7085							

2.2 Test Mode

This device support 26/52/106/242/484/996/2x996-tone RU.

The PSD of partial RU is reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 2022.

The 802.11ax mode is investigated among different tones, full resource units (RU), partial resource units. The partial RU has no higher power than full RU's, thus the full RU is chosen as main test configuration.

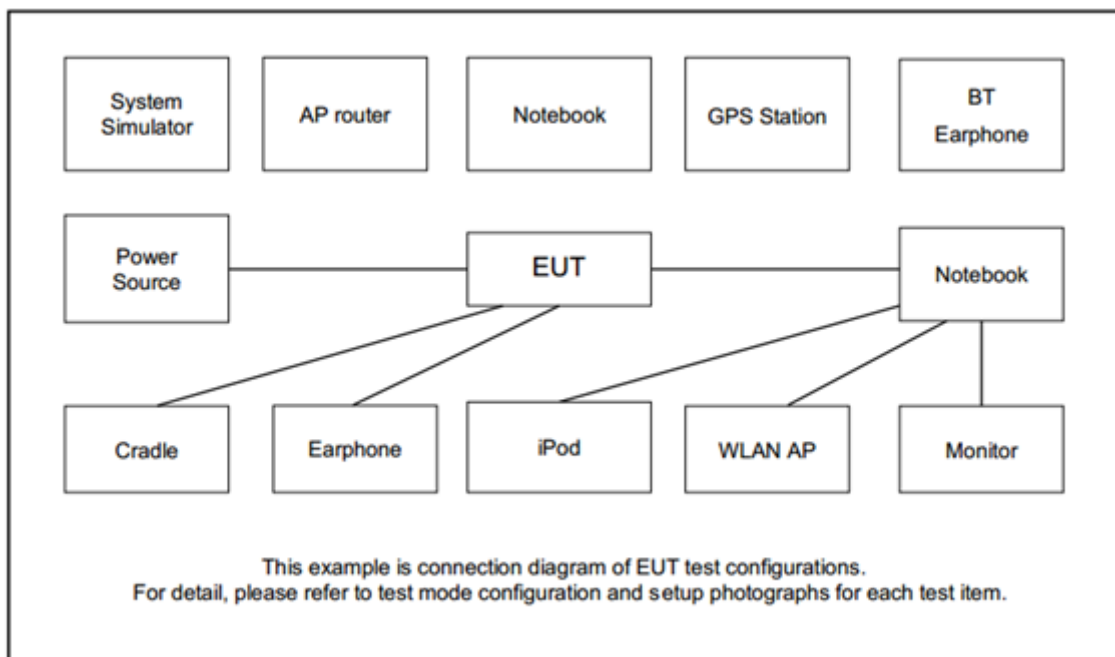
The 242-tone RU is covered by 20MHz channel, 484-tone RU is covered by 40MHz channel, 996-tone RU is covered by 80MHz channel and 2x996-tone RU is covered by 160MHz channel.

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

Modulation	Data Rate
802.11a	6 Mbps
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0
802.11ax HE160	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (6GHz) Link + Bluetooth Link + Charging from Charging case (USB Cable with Adapter)
Remark: - The detailed Radiated test modes are shown in Appendix C. - 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.	

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	Netgear	RAXE500	PY320300508	N/A	Unshielded, 1.8m
2.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m
3.	Mobile Phone	Asus	Zenfone5	MSQX00QSA	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT Version 4.0.170.1” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

For EIRP output power:

The EIRP output power result is derived from RF conducted power plus directional antenna gain.

EIRP = RF conducted power + directional antenna gain.

Following shows an offset computation example with conducted power 20.2 dBm and directional antenna gain 3dBi.

$$\begin{aligned}\text{EIRP(dBm)} &= \text{RF conducted power(dBm)} + \text{directional antenna gain(dBi)} \\ &= 20.2 + 3 = 23.2 \text{ (dBm)}\end{aligned}$$

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Limit of 26dB & 99% Occupied Bandwidth

<CFR 15.407>

(a)(11) The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.

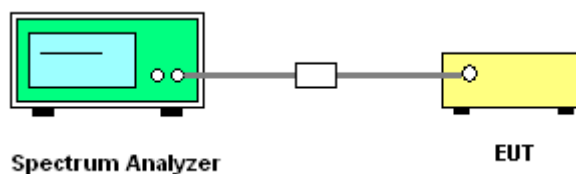
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

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

setting	20MHz	40MHz	80MHz	160MHz
RBW	500kHz	1MHz	2MHz	2MHz
VBW	2MHz	3MHz	10MHz	10MHz

3.2 Fundamental Maximum EIRP Measurement

3.2.1 Limit of Fundamental Maximum EIRP

<CFR 15.407>

(a)(8) For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum e.i.r.p. over the frequency band of operation must not exceed 24 dBm.

3.2.2 Measuring Instruments

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

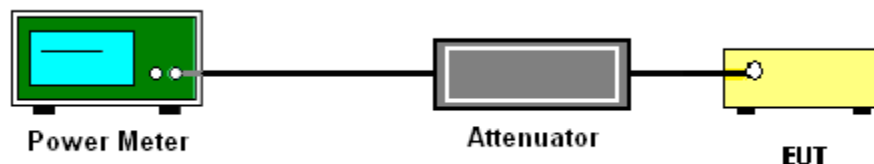
3.2.3 Test Procedures

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.

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

<CFR 15.407>

(a)(8) For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum power spectral density must not exceed -1 dBm e.i.r.p. in any 1-megahertz band.

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

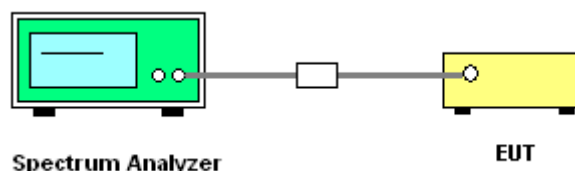
Section F) Maximum power spectral density.

Method SA-2

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

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

3.3.4 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

<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

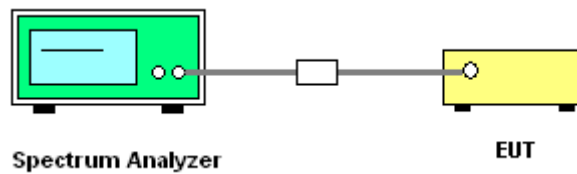
The testing follows FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v01.

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 $\geq 3 \times$ RBW
 - d) Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$.
 - 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.

3.5.2 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.

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

3.5.3 Measuring Instruments

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



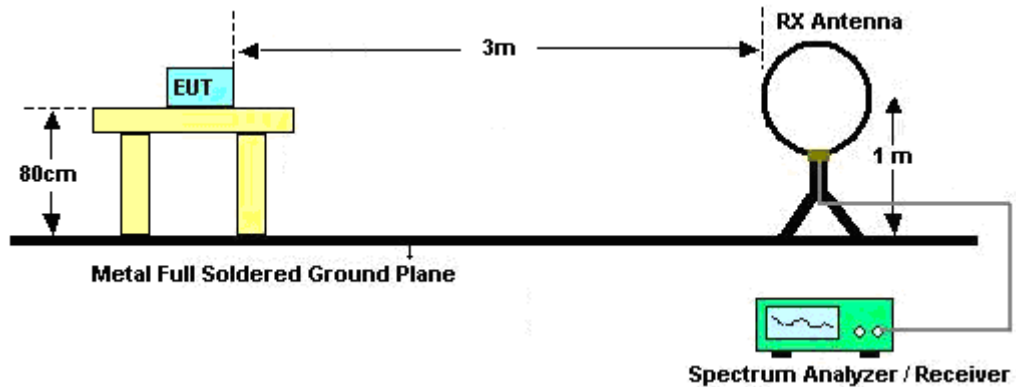
3.5.4 Test Procedures

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 $\geq$ 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 $\geq$ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as "-".

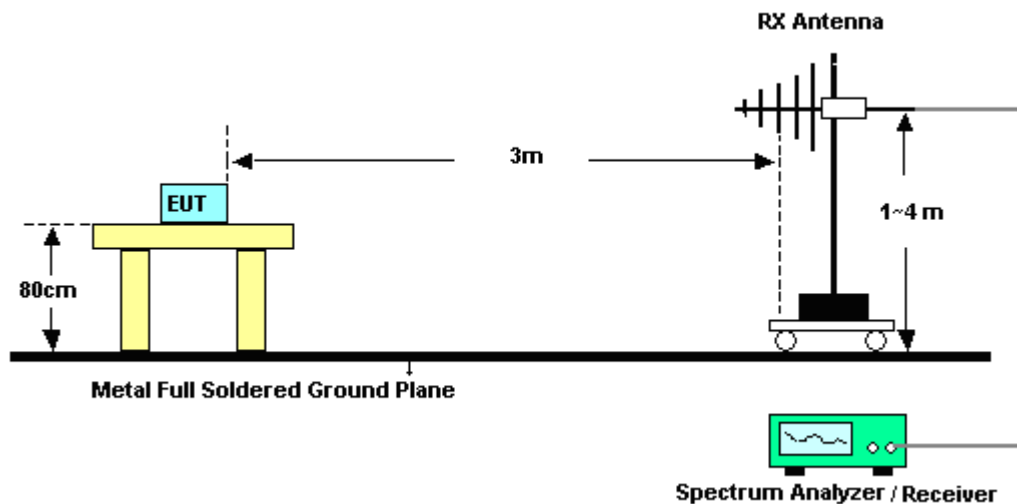
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-”.

3.5.5 Test Setup

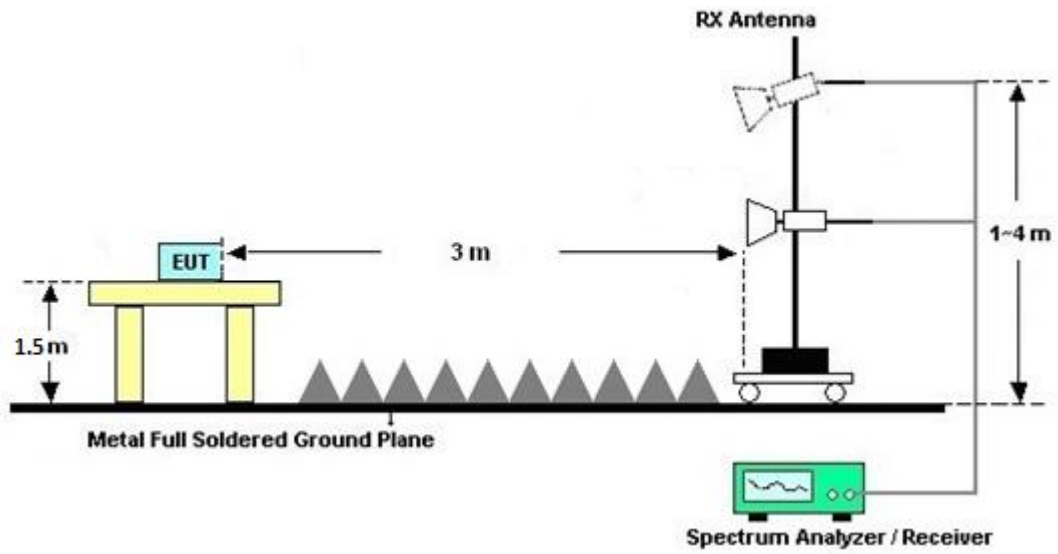
For radiated emissions below 30MHz



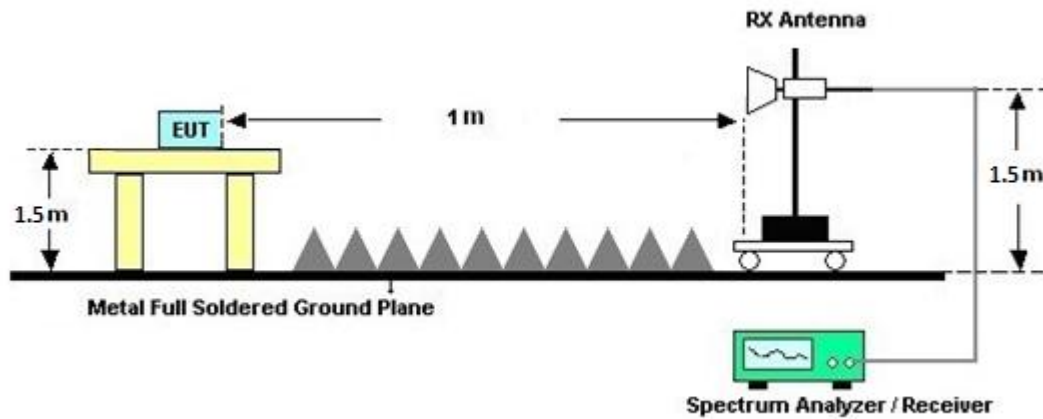
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



**3.5.6 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.

3.5.7 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.5.8 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix C.

3.6 AC Conducted Emission Measurement

3.6.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

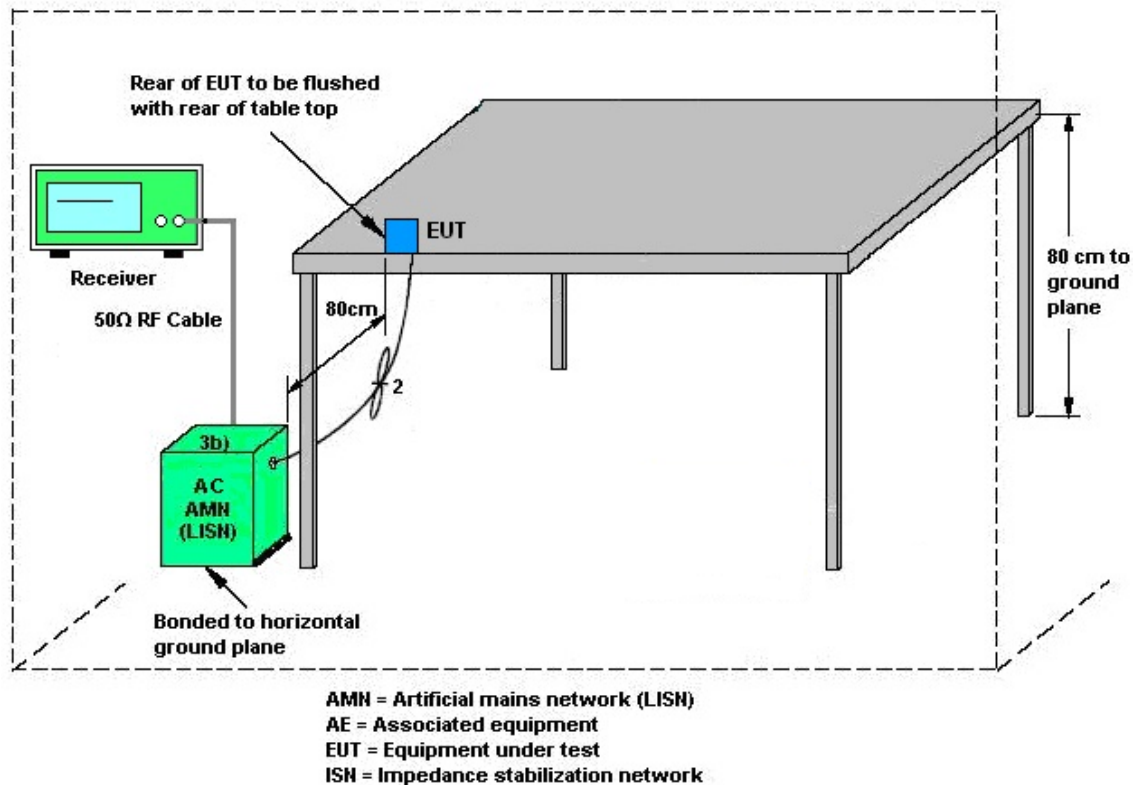
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

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

3.6.4 Test Setup



3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

Unique (non-standard) antenna connector.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9 kHz~30 MHz	Dec. 18, 2024	Nov. 01, 2025~ Nov. 26, 2025	Dec. 17, 2025	Radiation (03CH23-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N -06	47020 & 06	30MHz~1GHz	Oct. 04, 2025	Nov. 01, 2025~ Nov. 26, 2025	Oct. 03, 2026	Radiation (03CH23-HY)
Amplifier	SONOMA	310N	421582	9kHz~1GHz	Jul. 13, 2025	Nov. 01, 2025~ Nov. 26, 2025	Jul. 12, 2026	Radiation (03CH23-HY)
Amplifier	EMEC	EM01G18GA	060878	1GHz~18GHz	Sep. 26, 2025	Nov. 01, 2025~ Nov. 26, 2025	Sep. 25, 2026	Radiation (03CH23-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C05A18E N	1GHz~18GHz	Jul. 02, 2025	Nov. 01, 2025~ Nov. 26, 2025	Jul. 01, 2026	Radiation (03CH23-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1225	18GHz~40GHz	Jul. 02, 2025	Nov. 01, 2025~ Nov. 26, 2025	Jul. 01, 2026	Radiation (03CH23-HY)
Preamplifier	EMEC	EM18G40G	060873	18GHz~40GHz	Aug. 26, 2025	Nov. 01, 2025~ Nov. 26, 2025	Aug. 25, 2026	Radiation (03CH23-HY)
Signal Analyzer	Keysight	N9010B	MY62170337	10Hz~44GHz	Aug. 26, 2025	Nov. 01, 2025~ Nov. 26, 2025	Aug. 25, 2026	Radiation (03CH23-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Nov. 01, 2025~ Nov. 26, 2025	N/A	Radiation (03CH23-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Nov. 01, 2025~ Nov. 26, 2025	N/A	Radiation (03CH23-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Nov. 01, 2025~ Nov. 26, 2025	N/A	Radiation (03CH23-HY)
Software	Audix	E3 6.09824_2019 122	RK-002348	N/A	N/A	Nov. 01, 2025~ Nov. 26, 2025	N/A	Radiation (03CH23-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804395/2	30MHz~40GHz	Nov. 26, 2024	Nov. 01, 2025~ Nov. 24, 2025	Nov. 25, 2025	Radiation (03CH23-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804395/2	30MHz~40GHz	Nov. 25, 2025	Nov. 25, 2025~ Nov. 26, 2025	Nov. 24, 2026	Radiation (03CH23-HY)
RF Cable	EMC	EMC101Y	231115/23111 9/231122	30MHz~40GHz	Nov. 26, 2024	Nov. 01, 2025~ Nov. 24, 2025	Nov. 25, 2025	Radiation (03CH23-HY)
RF Cable	EMC	EMC101Y	231115/23111 9/231122	30MHz~40GHz	Nov. 25, 2025	Nov. 25, 2025~ Nov. 26, 2025	Nov. 24, 2026	Radiation (03CH23-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECEPIL	DTM-303B	TP200735	N/A	Mar. 13, 2025	Oct. 22, 2025~ Nov. 15, 2025	Mar. 12, 2026	Conducted (TH05-HY)
USB RF Power Sensor	Raditeq	RPR3008W	RPR8W-2301 001(NO:146)	10MHz~8GHz	Jan. 17, 2025	Oct. 22, 2025~ Nov. 15, 2025	Jan. 16, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101467	10HZ~44GHZ	Jan. 14, 2025	Oct. 22, 2025~ Nov. 15, 2025	Jan. 13, 2026	Conducted (TH05-HY)
Switch Control Mainframe	E-Instument	ETF-1405-0	EC1900157 (BOX6)	N/A	Feb. 10, 2025	Oct. 22, 2025~ Nov. 15, 2025	Feb. 09, 2026	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_ version_25100 1	N/A	Conducted Other Test Item	N/A	Oct. 22, 2025~ Nov. 15, 2025	N/A	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Nov. 26, 2025	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Nov. 26, 2025	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 20, 2025	Nov. 26, 2025	Oct. 19, 2026	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 03, 2025	Nov. 26, 2025	Mar. 02, 2026	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 24, 2025	Nov. 26, 2025	Mar. 23, 2026	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 26, 2025	Nov. 26, 2025	Mar. 25, 2026	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI7	100724	9kHz~7GHz	Feb. 13, 2025	Nov. 26, 2025	Feb. 12, 2026	Conduction (CO07-HY)

5 Measurement Uncertainty

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.6 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.4 dB
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Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.8 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.7 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Sylvia Li	Temperature:	21~25	°C
Test Date:	2025/10/22~2025/11/15	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-5 single antenna										
Mod.	Data Rate	N _{Tx}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	001	5955	17.55	-	23.34	-	320.00	Pass
11a	6Mbps	1	049	6195	17.56	-	23.08	-	320.00	Pass
11a	6Mbps	1	093	6415	17.57	-	23.18	-	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-5 single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	001	5955	6.41	-		1.74	-	8.15	-	24.00	Pass
11a	6Mbps	1	049	6195	6.31	-		1.74	-	8.05	-	24.00	Pass
11a	6Mbps	1	093	6415	6.41	-		1.74	-	8.15	-	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-5 single antenna															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	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 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	001	5955	0.04	-	-5.35	-		1.74	-	-3.61	-	-1.00	Pass
11a	6Mbps	1	049	6195	0.04	-	-5.50	-		1.74	-	-3.76	-	-1.00	Pass
11a	6Mbps	1	093	6415	0.04	-	-6.04	-		1.74	-	-4.30	-	-1.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-6 single antenna										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	097	6435	17.55	-	23.39	-	320.00	Pass
11a	6Mbps	1	105	6475	17.59	-	22.98	-	320.00	Pass
11a	6Mbps	1	113	6515	17.56	-	23.10	-	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-6 single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	097	6435	7.51	-		0.26	-	7.77	-	24.00	Pass
11a	6Mbps	1	105	6475	7.91	-		0.26	-	8.17	-	24.00	Pass
11a	6Mbps	1	113	6515	7.91	-		0.26	-	8.17	-	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-6 single antenna															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	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 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	097	6435	0.04	-	-4.39	-		0.26	-	-4.13	-	-1.00	Pass
11a	6Mbps	1	105	6475	0.04	-	-3.90	-		0.26	-	-3.64	-	-1.00	Pass
11a	6Mbps	1	113	6515	0.04	-	-3.74	-		0.26	-	-3.48	-	-1.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 single antenna										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	117	6535	17.55	-	23.23	-	320.00	Pass
11a	6Mbps	1	149	6695	17.53	-	23.27	-	320.00	Pass

U-NII-7 straddle channel single antenna										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	185	6875	17.58	-	23.25	-	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-7 single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	117	6535	7.41	-		0.68	-	8.09	-	24.00	Pass
11a	6Mbps	1	149	6695	7.41	-		0.68	-	8.09	-	24.00	Pass

U-NII-7 straddle channel single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	185	6875	6.61	-		0.68	-	7.29	-	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-7 single antenna															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	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 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	117	6535	0.04	-	-4.31	-		0.68	-	-3.63	-	-1.00	Pass
11a	6Mbps	1	149	6695	0.04	-	-4.51	-		0.68	-	-3.83	-	-1.00	Pass

FCC U-NII-7 straddle channel single antenna															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	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 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	185	6875	0.04	-	-5.22	-		0.68	-	-4.54	-	-1.00	Pass

TEST RESULTS DATA
26dB EBW and 99% OBW

U-NII-8 single antenna										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	189	6895	17.58	-	23.33	-	320.00	Pass
11a	6Mbps	1	209	6995	17.57	-	23.34	-	320.00	Pass
11a	6Mbps	1	229	7095	17.56	-	23.11	-	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-8 single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	189	6895	6.51	-		1.53	-	8.04	-	24.00	Pass
11a	6Mbps	1	209	6995	6.81	-		1.53	-	8.34	-	24.00	Pass
11a	6Mbps	1	229	7095	6.71	-		1.53	-	8.24	-	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-8 single antenna															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	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 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	189	6895	0.04	-	-5.28	-		1.53	-	-3.75	-	-1.00	Pass
11a	6Mbps	1	209	6995	0.04	-	-4.86	-		1.53	-	-3.33	-	-1.00	Pass
11a	6Mbps	1	229	7095	0.04	-	-5.08	-		1.53	-	-3.55	-	-1.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-5 single antenna											
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	1	001	5955	Full	19.29	-	23.23	-	320.00	Pass
HE20	MCS0	1	049	6195	Full	19.30	-	23.52	-	320.00	Pass
HE20	MCS0	1	093	6415	Full	19.32	-	23.16	-	320.00	Pass
HE40	MCS0	1	003	5965	Full	38.53	-	46.11	-	320.00	Pass
HE40	MCS0	1	051	6205	Full	38.57	-	46.16	-	320.00	Pass
HE40	MCS0	1	091	6405	Full	38.60	-	45.47	-	320.00	Pass
HE80	MCS0	1	007	5985	Full	78.92	-	92.64	-	320.00	Pass
HE80	MCS0	1	055	6225	Full	78.79	-	93.44	-	320.00	Pass
HE80	MCS0	1	087	6385	Full	78.87	-	92.90	-	320.00	Pass
HE160	MCS0	1	015	6025	Full	157.55	-	175.20	-	320.00	Pass
HE160	MCS0	1	047	6185	Full	157.49	-	176.06	-	320.00	Pass
HE160	MCS0	1	079	6345	Full	157.48	-	175.25	-	320.00	Pass

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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	1	001	5955	Full	6.91	-		1.74	-	8.65	-	24.00	Pass
HE20	MCS0	1	001	5955	26/0	-2.59	-		1.74	-	-0.85	-	24.00	Pass
HE20	MCS0	1	001	5955	52/37	0.41	-		1.74	-	2.15	-	24.00	Pass
HE20	MCS0	1	001	5955	106/53	3.41	-		1.74	-	5.15	-	24.00	Pass
HE20	MCS0	1	001	5955	242/61	6.81	-		1.74	-	8.55	-	24.00	Pass
HE20	MCS0	1	049	6195	Full	6.81	-		1.74	-	8.55	-	24.00	Pass
HE20	MCS0	1	049	6195	26/4	-2.69	-		1.74	-	-0.95	-	24.00	Pass
HE20	MCS0	1	049	6195	52/38	0.31	-		1.74	-	2.05	-	24.00	Pass
HE20	MCS0	1	049	6195	106/53	3.11	-		1.74	-	4.85	-	24.00	Pass
HE20	MCS0	1	049	6195	242/61	6.61	-		1.74	-	8.35	-	24.00	Pass
HE20	MCS0	1	093	6415	Full	6.81	-		1.74	-	8.55	-	24.00	Pass
HE20	MCS0	1	093	6415	26/8	-2.89	-		1.74	-	-1.15	-	24.00	Pass
HE20	MCS0	1	093	6415	52/40	0.01	-		1.74	-	1.75	-	24.00	Pass
HE20	MCS0	1	093	6415	106/54	3.01	-		1.74	-	4.75	-	24.00	Pass
HE20	MCS0	1	93	6415	242/61	6.61	-		1.74	-	8.35	-	24.00	Pass
HE40	MCS0	1	003	5965	Full	9.91	-		1.74	-	11.65	-	24.00	Pass
HE40	MCS0	1	003	5965	484/65	9.71	-		1.74	-	11.45	-	24.00	Pass
HE40	MCS0	1	051	6205	Full	9.71	-		1.74	-	11.45	-	24.00	Pass
HE40	MCS0	1	051	6205	484/65	9.51	-		1.74	-	11.25	-	24.00	Pass
HE40	MCS0	1	091	6405	Full	9.81	-		1.74	-	11.55	-	24.00	Pass
HE40	MCS0	1	091	6405	484/65	9.71	-		1.74	-	11.45	-	24.00	Pass
HE80	MCS0	1	007	5985	Full	12.91	-		1.74	-	14.65	-	24.00	Pass
HE80	MCS0	1	007	5985	996/67	12.81	-		1.74	-	14.55	-	24.00	Pass
HE80	MCS0	1	055	6225	Full	12.71	-		1.74	-	14.45	-	24.00	Pass
HE80	MCS0	1	055	6225	996/67	12.41	-		1.74	-	14.15	-	24.00	Pass
HE80	MCS0	1	087	6385	Full	12.91	-		1.74	-	14.65	-	24.00	Pass
HE80	MCS0	1	087	6385	996/67	12.71	-		1.74	-	14.45	-	24.00	Pass
HE160	MCS0	1	015	6025	Full	15.41	-		1.74	-	17.15	-	24.00	Pass
HE160	MCS0	1	015	6025	1992/68	15.31	-		1.74	-	17.05	-	24.00	Pass
HE160	MCS0	1	047	6185	Full	15.41	-		1.74	-	17.15	-	24.00	Pass
HE160	MCS0	1	047	6185	1992/68	15.21	-		1.74	-	16.95	-	24.00	Pass
HE160	MCS0	1	079	6345	Full	15.41	-		1.74	-	17.15	-	24.00	Pass
HE160	MCS0	1	079	6345	1992/68	15.31	-		1.74	-	17.05	-	24.00	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 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	1	001	5955	Full	0.02	-	-5.51	-		1.74	-	-3.77	-	-1.00	Pass
HE20	MCS0	1	001	5955	26/0	0.02	-	-5.74	-		1.74	-	-4.00	-	-1.00	Pass
HE20	MCS0	1	001	5955	52/37	0.02	-	-5.73	-		1.74	-	-3.99	-	-1.00	Pass
HE20	MCS0	1	001	5955	106/53	0.02	-	-5.74	-		1.74	-	-4.00	-	-1.00	Pass
HE20	MCS0	1	001	5955	242/61	0.04	-	-5.79	-		1.74	-	-4.05	-	-1.00	Pass
HE20	MCS0	1	049	6195	Full	0.02	-	-5.62	-		1.74	-	-3.88	-	-1.00	Pass
HE20	MCS0	1	049	6195	26/4	0.02	-	-6.73	-		1.74	-	-4.99	-	-1.00	Pass
HE20	MCS0	1	049	6195	52/38	0.02	-	-5.64	-		1.74	-	-3.90	-	-1.00	Pass
HE20	MCS0	1	049	6195	106/53	0.02	-	-5.96	-		1.74	-	-4.22	-	-1.00	Pass
HE20	MCS0	1	049	6195	242/61	0.04	-	-5.93	-		1.74	-	-4.19	-	-1.00	Pass
HE20	MCS0	1	093	6415	Full	0.02	-	-5.97	-		1.74	-	-4.23	-	-1.00	Pass
HE20	MCS0	1	093	6415	26/8	0.02	-	-6.04	-		1.74	-	-4.30	-	-1.00	Pass
HE20	MCS0	1	093	6415	52/40	0.02	-	-6.28	-		1.74	-	-4.54	-	-1.00	Pass
HE20	MCS0	1	093	6415	106/54	0.02	-	-6.42	-		1.74	-	-4.68	-	-1.00	Pass
HE20	MCS0	1	93	6415	242/61	0.04	-	-6.43	-		1.74	-	-4.69	-	-1.00	Pass
HE40	MCS0	1	003	5965	Full	0.00	-	-5.67	-		1.74	-	-3.93	-	-1.00	Pass
HE40	MCS0	1	003	5965	484/65	0.08	-	-5.81	-		1.74	-	-4.07	-	-1.00	Pass
HE40	MCS0	1	051	6205	Full	0.00	-	-5.98	-		1.74	-	-4.24	-	-1.00	Pass
HE40	MCS0	1	051	6205	484/65	0.08	-	-6.01	-		1.74	-	-4.27	-	-1.00	Pass
HE40	MCS0	1	091	6405	Full	0.00	-	-6.25	-		1.74	-	-4.51	-	-1.00	Pass
HE40	MCS0	1	091	6405	484/65	0.08	-	-6.28	-		1.74	-	-4.54	-	-1.00	Pass
HE80	MCS0	1	007	5985	Full	0.00	-	-5.12	-		1.74	-	-3.38	-	-1.00	Pass
HE80	MCS0	1	007	5985	996/67	0.12	-	-5.33	-		1.74	-	-3.59	-	-1.00	Pass
HE80	MCS0	1	055	6225	Full	0.00	-	-5.66	-		1.74	-	-3.92	-	-1.00	Pass
HE80	MCS0	1	055	6225	996/67	0.12	-	-6.06	-		1.74	-	-4.32	-	-1.00	Pass
HE80	MCS0	1	087	6385	Full	0.00	-	-5.43	-		1.74	-	-3.69	-	-1.00	Pass
HE80	MCS0	1	087	6385	996/67	0.12	-	-5.84	-		1.74	-	-4.10	-	-1.00	Pass
HE160	MCS0	1	015	6025	Full	0.01	-	-4.88	-		1.74	-	-3.14	-	-1.00	Pass
HE160	MCS0	1	015	6025	1992/68	0.11	-	-5.21	-		1.74	-	-3.47	-	-1.00	Pass
HE160	MCS0	1	047	6185	Full	0.01	-	-5.05	-		1.74	-	-3.31	-	-1.00	Pass
HE160	MCS0	1	047	6185	1992/68	0.11	-	-5.78	-		1.74	-	-4.04	-	-1.00	Pass
HE160	MCS0	1	079	6345	Full	0.01	-	-5.16	-		1.74	-	-3.42	-	-1.00	Pass
HE160	MCS0	1	079	6345	1992/68	0.11	-	-5.48	-		1.74	-	-3.74	-	-1.00	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 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	1	097	6435	Full	19.31	-	23.47	-	320.00	Pass
HE20	MCS0	1	105	6475	Full	19.30	-	23.38	-	320.00	Pass
HE20	MCS0	1	113	6515	Full	19.29	-	23.43	-	320.00	Pass
HE40	MCS0	1	099	6445	Full	38.51	-	45.33	-	320.00	Pass
HE40	MCS0	1	107	6485	Full	38.54	-	45.92	-	320.00	Pass
HE80	MCS0	1	103	6465	Full	78.78	-	94.08	-	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 0	Ant 1	Ant 0	Ant 1		
HE40	MCS0	1	115	6525	Full	38.53	-	44.86	-	320.00	Pass
HE80	MCS0	1	119	6545	Full	78.79	-	92.67	-	320.00	Pass
HE160	MCS0	1	111	6505	Full	157.53	-	174.82	-	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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	1	097	6435	Full	8.41	-		0.26	-	8.67	-	24.00	Pass
HE20	MCS0	1	097	6435	26/0	-1.29	-		0.26	-	-1.03	-	24.00	Pass
HE20	MCS0	1	097	6435	52/37	1.51	-		0.26	-	1.77	-	24.00	Pass
HE20	MCS0	1	097	6435	106/53	4.71	-		0.26	-	4.97	-	24.00	Pass
HE20	MCS0	1	097	6435	242/61	8.01	-		0.26	-	8.27	-	24.00	Pass
HE20	MCS0	1	105	6475	Full	8.21	-		0.26	-	8.47	-	24.00	Pass
HE20	MCS0	1	105	6475	26/4	-1.39	-		0.26	-	-1.13	-	24.00	Pass
HE20	MCS0	1	105	6475	52/38	1.51	-		0.26	-	1.77	-	24.00	Pass
HE20	MCS0	1	105	6475	106/53	4.61	-		0.26	-	4.87	-	24.00	Pass
HE20	MCS0	1	105	6475	242/61	8.01	-		0.26	-	8.27	-	24.00	Pass
HE20	MCS0	1	113	6515	Full	8.31	-		0.26	-	8.57	-	24.00	Pass
HE20	MCS0	1	113	6515	26/8	-1.99	-		0.26	-	-1.73	-	24.00	Pass
HE20	MCS0	1	113	6515	52/40	1.11	-		0.26	-	1.37	-	24.00	Pass
HE20	MCS0	1	113	6515	106/54	3.41	-		0.26	-	3.67	-	24.00	Pass
HE20	MCS0	1	113	6515	242/61	8.01	-		0.26	-	8.27	-	24.00	Pass
HE40	MCS0	1	099	6445	Full	11.41	-		0.26	-	11.67	-	24.00	Pass
HE40	MCS0	1	099	6445	484/65	11.31	-		0.26	-	11.57	-	24.00	Pass
HE40	MCS0	1	107	6485	Full	11.31	-		0.26	-	11.57	-	24.00	Pass
HE40	MCS0	1	107	6485	484/65	11.11	-		0.26	-	11.37	-	24.00	Pass
HE80	MCS0	1	103	6465	Full	14.31	-		0.26	-	14.57	-	24.00	Pass
HE80	MCS0	1	103	6465	996/67	14.11	-		0.26	-	14.37	-	24.00	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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE40	MCS0	1	115	6525	Full	10.91	-		0.26	-	11.17	-	24.00	Pass
HE40	MCS0	1	115	6525	484/65	10.61	-		0.26	-	10.87	-	24.00	Pass
HE80	MCS0	1	119	6545	Full	14.41	-		0.26	-	14.67	-	24.00	Pass
HE80	MCS0	1	119	6545	996/67	13.71	-		0.26	-	13.97	-	24.00	Pass
HE160	MCS0	1	111	6505	Full	15.11	-		0.26	-	15.37	-	24.00	Pass
HE160	MCS0	1	111	6505	1992/68	15.01	-		0.26	-	15.27	-	24.00	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 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	1	097	6435	Full	0.02	-	-4.17	-		0.26	-	-3.91	-	-1.00	Pass
HE20	MCS0	1	097	6435	26/0	0.02	-	-4.36	-		0.26	-	-4.10	-	-1.00	Pass
HE20	MCS0	1	097	6435	52/37	0.02	-	-4.76	-		0.26	-	-4.50	-	-1.00	Pass
HE20	MCS0	1	097	6435	106/53	0.02	-	-4.46	-		0.26	-	-4.20	-	-1.00	Pass
HE20	MCS0	1	097	6435	242/61	0.04	-	-4.90	-		0.26	-	-4.64	-	-1.00	Pass
HE20	MCS0	1	105	6475	Full	0.02	-	-4.50	-		0.26	-	-4.24	-	-1.00	Pass
HE20	MCS0	1	105	6475	26/4	0.02	-	-5.26	-		0.26	-	-5.00	-	-1.00	Pass
HE20	MCS0	1	105	6475	52/38	0.02	-	-4.67	-		0.26	-	-4.41	-	-1.00	Pass
HE20	MCS0	1	105	6475	106/53	0.02	-	-4.55	-		0.26	-	-4.29	-	-1.00	Pass
HE20	MCS0	1	105	6475	242/61	0.04	-	-5.08	-		0.26	-	-4.82	-	-1.00	Pass
HE20	MCS0	1	113	6515	Full	0.02	-	-4.44	-		0.26	-	-4.18	-	-1.00	Pass
HE20	MCS0	1	113	6515	26/8	0.02	-	-4.72	-		0.26	-	-4.46	-	-1.00	Pass
HE20	MCS0	1	113	6515	52/40	0.02	-	-4.64	-		0.26	-	-4.38	-	-1.00	Pass
HE20	MCS0	1	113	6515	106/54	0.02	-	-5.17	-		0.26	-	-4.91	-	-1.00	Pass
HE20	MCS0	1	113	6515	242/61	0.04	-	-4.88	-		0.26	-	-4.62	-	-1.00	Pass
HE40	MCS0	1	099	6445	Full	0.00	-	-3.94	-		0.26	-	-3.68	-	-1.00	Pass
HE40	MCS0	1	099	6445	484/65	0.08	-	-4.32	-		0.26	-	-4.06	-	-1.00	Pass
HE40	MCS0	1	107	6485	Full	0.00	-	-4.43	-		0.26	-	-4.17	-	-1.00	Pass
HE40	MCS0	1	107	6485	484/65	0.08	-	-4.66	-		0.26	-	-4.40	-	-1.00	Pass
HE80	MCS0	1	103	6465	Full	0.00	-	-4.02	-		0.26	-	-3.76	-	-1.00	Pass
HE80	MCS0	1	103	6465	996/67	0.12	-	-4.22	-		0.26	-	-3.96	-	-1.00	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 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE40	MCS0	1	115	6525	Full	0.00	-	-4.69	-		0.26	-	-4.43	-	-1.00	Pass
HE40	MCS0	1	115	6525	484/65	0.08	-	-5.02	-		0.26	-	-4.76	-	-1.00	Pass
HE80	MCS0	1	119	6545	Full	0.00	-	-3.92	-		0.26	-	-3.66	-	-1.00	Pass
HE80	MCS0	1	119	6545	996/67	0.12	-	-4.75	-		0.26	-	-4.49	-	-1.00	Pass
HE160	MCS0	1	111	6505	Full	0.01	-	-5.84	-		0.26	-	-5.58	-	-1.00	Pass
HE160	MCS0	1	111	6505	1992/68	0.11	-	-6.07	-		0.26	-	-5.81	-	-1.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 single antenna											
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	1	117	6535	Full	19.29	-	23.30	-	320.00	Pass
HE20	MCS0	1	149	6695	Full	19.29	-	23.28	-	320.00	Pass
HE40	MCS0	1	123	6565	Full	38.54	-	45.50	-	320.00	Pass
HE40	MCS0	1	147	6685	Full	38.55	-	45.81	-	320.00	Pass
HE80	MCS0	1	135	6625	Full	78.76	-	92.45	-	320.00	Pass
HE80	MCS0	1	151	6705	Full	78.89	-	92.38	-	320.00	Pass
HE160	MCS0	1	143	6665	Full	157.46	-	175.54	-	320.00	Pass

U-NII-7 straddle channel single antenna											
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	1	185	6875	Full	19.29	-	23.21	-	320.00	Pass
HE40	MCS0	1	187	6885	Full	38.56	-	46.13	-	320.00	Pass
HE80	MCS0	1	183	6865	Full	78.77	-	91.97	-	320.00	Pass
HE160	MCS0	1	175	6825	Full	157.49	-	175.92	-	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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	1	117	6535	Full	7.91	-		0.68	-	8.59	-	24.00	Pass
HE20	MCS0	1	117	6535	26/0	-1.89	-		0.68	-	-1.21	-	24.00	Pass
HE20	MCS0	1	117	6535	52/37	1.31	-		0.68	-	1.99	-	24.00	Pass
HE20	MCS0	1	117	6535	106/53	3.31	-		0.68	-	3.99	-	24.00	Pass
HE20	MCS0	1	117	6535	242/61	7.81	-		0.68	-	8.49	-	24.00	Pass
HE20	MCS0	1	149	6695	Full	7.91	-		0.68	-	8.59	-	24.00	Pass
HE20	MCS0	1	149	6695	26/4	-1.79	-		0.68	-	-1.11	-	24.00	Pass
HE20	MCS0	1	149	6695	52/38	1.41	-		0.68	-	2.09	-	24.00	Pass
HE20	MCS0	1	149	6695	106/53	3.41	-		0.68	-	4.09	-	24.00	Pass
HE20	MCS0	1	149	6695	242/61	7.71	-		0.68	-	8.39	-	24.00	Pass
HE40	MCS0	1	123	6565	Full	10.71	-		0.68	-	11.39	-	24.00	Pass
HE40	MCS0	1	123	6565	484/65	10.41	-		0.68	-	11.09	-	24.00	Pass
HE40	MCS0	1	147	6685	Full	10.61	-		0.68	-	11.29	-	24.00	Pass
HE40	MCS0	1	147	6685	484/65	10.21	-		0.68	-	10.89	-	24.00	Pass
HE80	MCS0	1	135	6625	Full	13.81	-		0.68	-	14.49	-	24.00	Pass
HE80	MCS0	1	135	6625	996/67	13.71	-		0.68	-	14.39	-	24.00	Pass
HE80	MCS0	1	151	6705	Full	13.71	-		0.68	-	14.39	-	24.00	Pass
HE80	MCS0	1	151	6705	996/67	13.51	-		0.68	-	14.19	-	24.00	Pass
HE160	MCS0	1	143	6665	Full	14.41	-		0.68	-	15.09	-	24.00	Pass
HE160	MCS0	1	143	6665	1992/68	14.21	-		0.68	-	14.89	-	24.00	Pass

U-NII-7 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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	1	185	6875	Full	7.41	-		0.68	-	8.09	-	24.00	Pass
HE20	MCS0	1	185	6875	26/8	-2.49	-		0.68	-	-1.81	-	24.00	Pass
HE20	MCS0	1	185	6875	52/40	0.61	-		0.68	-	1.29	-	24.00	Pass
HE20	MCS0	1	185	6875	106/54	3.71	-		0.68	-	4.39	-	24.00	Pass
HE20	MCS0	1	185	6875	242/61	7.11	-		0.68	-	7.79	-	24.00	Pass
HE40	MCS0	1	187	6885	Full	10.31	-		0.68	-	10.99	-	24.00	Pass
HE40	MCS0	1	187	6885	484/65	10.01	-		0.68	-	10.69	-	24.00	Pass
HE80	MCS0	1	183	6865	Full	13.41	-		0.68	-	14.09	-	24.00	Pass
HE80	MCS0	1	183	6865	996/67	13.31	-		0.68	-	13.99	-	24.00	Pass
HE160	MCS0	1	175	6825	Full	14.31	-		0.68	-	14.99	-	24.00	Pass
HE160	MCS0	1	175	6825	1992/68	14.21	-		0.68	-	14.89	-	24.00	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 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	1	117	6535	Full	0.02	-	-4.16	-		0.68	-	-3.48	-	-1.00	Pass
HE20	MCS0	1	117	6535	26/0	0.02	-	-4.69	-		0.68	-	-4.01	-	-1.00	Pass
HE20	MCS0	1	117	6535	52/37	0.02	-	-4.32	-		0.68	-	-3.64	-	-1.00	Pass
HE20	MCS0	1	117	6535	106/53	0.02	-	-5.36	-		0.68	-	-4.68	-	-1.00	Pass
HE20	MCS0	1	117	6535	242/61	0.04	-	-4.66	-		0.68	-	-3.98	-	-1.00	Pass
HE20	MCS0	1	149	6695	Full	0.02	-	-4.18	-		0.68	-	-3.50	-	-1.00	Pass
HE20	MCS0	1	149	6695	26/4	0.02	-	-5.80	-		0.68	-	-5.12	-	-1.00	Pass
HE20	MCS0	1	149	6695	52/38	0.02	-	-4.33	-		0.68	-	-3.65	-	-1.00	Pass
HE20	MCS0	1	149	6695	106/53	0.02	-	-5.42	-		0.68	-	-4.74	-	-1.00	Pass
HE20	MCS0	1	149	6695	242/61	0.04	-	-4.79	-		0.68	-	-4.11	-	-1.00	Pass
HE40	MCS0	1	123	6565	Full	0.00	-	-5.34	-		0.68	-	-4.66	-	-1.00	Pass
HE40	MCS0	1	123	6565	484/65	0.08	-	-5.51	-		0.68	-	-4.83	-	-1.00	Pass
HE40	MCS0	1	147	6685	Full	0.00	-	-5.29	-		0.68	-	-4.61	-	-1.00	Pass
HE40	MCS0	1	147	6685	484/65	0.08	-	-5.60	-		0.68	-	-4.92	-	-1.00	Pass
HE80	MCS0	1	135	6625	Full	0.00	-	-4.42	-		0.68	-	-3.74	-	-1.00	Pass
HE80	MCS0	1	135	6625	996/67	0.12	-	-4.69	-		0.68	-	-4.01	-	-1.00	Pass
HE80	MCS0	1	151	6705	Full	0.00	-	-4.65	-		0.68	-	-3.97	-	-1.00	Pass
HE80	MCS0	1	151	6705	996/67	0.12	-	-4.87	-		0.68	-	-4.19	-	-1.00	Pass
HE160	MCS0	1	143	6665	Full	0.01	-	-6.19	-		0.68	-	-5.51	-	-1.00	Pass
HE160	MCS0	1	143	6665	1992/68	0.11	-	-6.93	-		0.68	-	-6.25	-	-1.00	Pass

U-NII-7 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 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	1	185	6875	Full	0.02	-	-5.10	-		0.68	-	-4.42	-	-1.00	Pass
HE20	MCS0	1	185	6875	26/8	0.02	-	-5.43	-		0.68	-	-4.75	-	-1.00	Pass
HE20	MCS0	1	185	6875	52/40	0.02	-	-5.13	-		0.68	-	-4.45	-	-1.00	Pass
HE20	MCS0	1	185	6875	106/54	0.02	-	-5.32	-		0.68	-	-4.64	-	-1.00	Pass
HE20	MCS0	1	185	6875	242/61	0.04	-	-5.56	-		0.68	-	-4.88	-	-1.00	Pass
HE40	MCS0	1	187	6885	Full	0.00	-	-5.48	-		0.68	-	-4.80	-	-1.00	Pass
HE40	MCS0	1	187	6885	484/65	0.08	-	-5.74	-		0.68	-	-5.06	-	-1.00	Pass
HE80	MCS0	1	183	6865	Full	0.00	-	-5.08	-		0.68	-	-4.40	-	-1.00	Pass
HE80	MCS0	1	183	6865	996/67	0.12	-	-5.38	-		0.68	-	-4.70	-	-1.00	Pass
HE160	MCS0	1	175	6825	Full	0.01	-	-6.23	-		0.68	-	-5.55	-	-1.00	Pass
HE160	MCS0	1	175	6825	1992/68	0.11	-	-6.38	-		0.68	-	-5.70	-	-1.00	Pass

TEST RESULTS DATA
26dB EBW and 99% OBW

U-NII-8 single antenna											
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	1	189	6895	Full	19.33	-	23.54	-	320.00	Pass
HE20	MCS0	1	209	6995	Full	19.30	-	23.18	-	320.00	Pass
HE20	MCS0	1	229	7095	Full	19.30	-	23.63	-	320.00	Pass
HE40	MCS0	1	195	6925	Full	38.55	-	45.87	-	320.00	Pass
HE40	MCS0	1	211	7005	Full	38.56	-	45.62	-	320.00	Pass
HE40	MCS0	1	227	7085	Full	38.54	-	45.65	-	320.00	Pass
HE80	MCS0	1	199	6945	Full	78.90	-	92.80	-	320.00	Pass
HE80	MCS0	1	215	7025	Full	79.05	-	91.78	-	320.00	Pass
HE160	MCS0	1	207	6985	Full	157.45	-	175.78	-	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

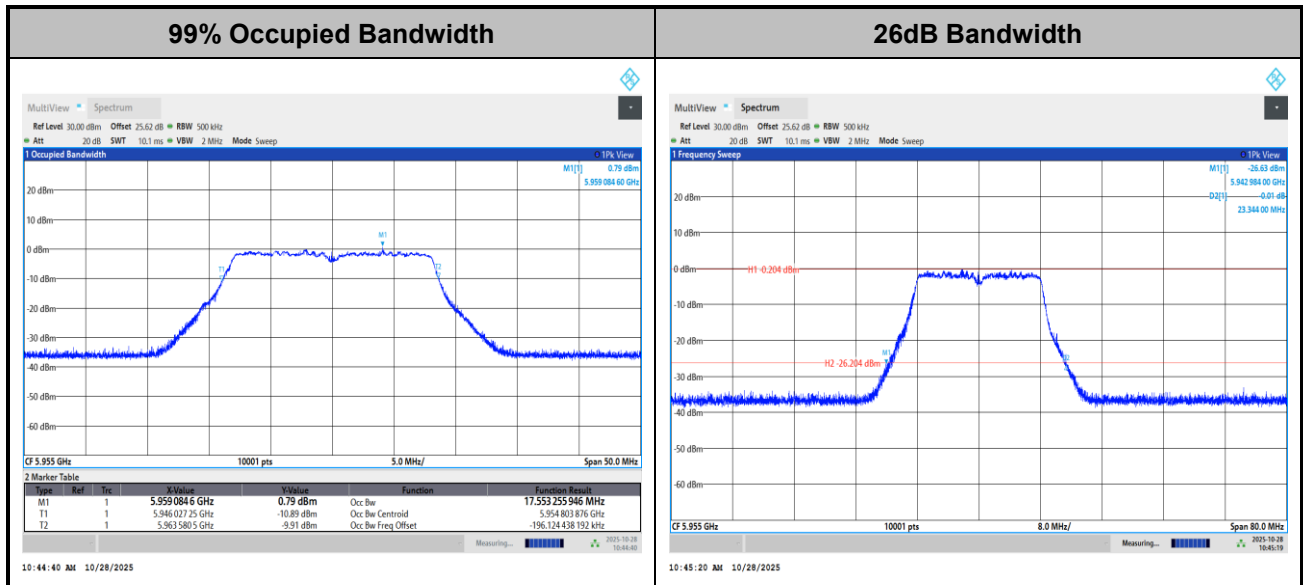
U-NII-8 single antenna														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	1	189	6895	Full	7.31	-		1.53	-	8.84	-	24.00	Pass
HE20	MCS0	1	189	6895	26/0	-2.49	-		1.53	-	-0.96	-	24.00	Pass
HE20	MCS0	1	189	6895	52/37	0.61	-		1.53	-	2.14	-	24.00	Pass
HE20	MCS0	1	189	6895	106/53	3.61	-		1.53	-	5.14	-	24.00	Pass
HE20	MCS0	1	189	6895	242/61	7.01	-		1.53	-	8.54	-	24.00	Pass
HE20	MCS0	1	209	6995	Full	7.41	-		1.53	-	8.94	-	24.00	Pass
HE20	MCS0	1	209	6995	26/4	-2.39	-		1.53	-	-0.86	-	24.00	Pass
HE20	MCS0	1	209	6995	52/38	0.51	-		1.53	-	2.04	-	24.00	Pass
HE20	MCS0	1	209	6995	106/53	3.51	-		1.53	-	5.04	-	24.00	Pass
HE20	MCS0	1	209	6995	242/61	7.11	-		1.53	-	8.64	-	24.00	Pass
HE20	MCS0	1	229	7095	Full	7.31	-		1.53	-	8.84	-	24.00	Pass
HE20	MCS0	1	229	7095	26/8	-2.49	-		1.53	-	-0.96	-	24.00	Pass
HE20	MCS0	1	229	7095	52/40	0.51	-		1.53	-	2.04	-	24.00	Pass
HE20	MCS0	1	229	7095	106/54	7.11	-		1.53	-	8.64	-	24.00	Pass
HE20	MCS0	1	229	7095	242/61	-1.79	-		1.53	-	-0.26	-	24.00	Pass
HE40	MCS0	1	195	6925	Full	10.31	-		1.53	-	11.84	-	24.00	Pass
HE40	MCS0	1	195	6925	484/65	10.11	-		1.53	-	11.64	-	24.00	Pass
HE40	MCS0	1	211	7005	Full	10.31	-		1.53	-	11.84	-	24.00	Pass
HE40	MCS0	1	211	7005	484/65	10.01	-		1.53	-	11.54	-	24.00	Pass
HE40	MCS0	1	227	7085	Full	10.41	-		1.53	-	11.94	-	24.00	Pass
HE40	MCS0	1	227	7085	484/65	10.01	-		1.53	-	11.54	-	24.00	Pass
HE80	MCS0	1	199	6945	Full	13.41	-		1.53	-	14.94	-	24.00	Pass
HE80	MCS0	1	199	6945	996/67	13.31	-		1.53	-	14.84	-	24.00	Pass
HE80	MCS0	1	215	7025	Full	13.21	-		1.53	-	14.74	-	24.00	Pass
HE80	MCS0	1	215	7025	996/67	13.01	-		1.53	-	14.54	-	24.00	Pass
HE160	MCS0	1	207	6985	Full	14.31	-		1.53	-	15.84	-	24.00	Pass
HE160	MCS0	1	207	6985	1992/68	14.01	-		1.53	-	15.54	-	24.00	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 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	1	189	6895	Full	0.02	-	-5.15	-		1.53	-	-3.62	-	-1.00	Pass
HE20	MCS0	1	189	6895	26/0	0.02	-	-5.20	-		1.53	-	-3.67	-	-1.00	Pass
HE20	MCS0	1	189	6895	52/37	0.02	-	-5.17	-		1.53	-	-3.64	-	-1.00	Pass
HE20	MCS0	1	189	6895	106/53	0.02	-	-5.20	-		1.53	-	-3.67	-	-1.00	Pass
HE20	MCS0	1	189	6895	242/61	0.04	-	-5.52	-		1.53	-	-3.99	-	-1.00	Pass
HE20	MCS0	1	209	6995	Full	0.02	-	-4.91	-		1.53	-	-3.38	-	-1.00	Pass
HE20	MCS0	1	209	6995	26/4	0.02	-	-6.19	-		1.53	-	-4.66	-	-1.00	Pass
HE20	MCS0	1	209	6995	52/38	0.02	-	-5.29	-		1.53	-	-3.76	-	-1.00	Pass
HE20	MCS0	1	209	6995	106/53	0.02	-	-5.31	-		1.53	-	-3.78	-	-1.00	Pass
HE20	MCS0	1	209	6995	242/61	0.04	-	-5.10	-		1.53	-	-3.57	-	-1.00	Pass
HE20	MCS0	1	229	7095	Full	0.02	-	-5.27	-		1.53	-	-3.74	-	-1.00	Pass
HE20	MCS0	1	229	7095	26/8	0.02	-	-5.44	-		1.53	-	-3.91	-	-1.00	Pass
HE20	MCS0	1	229	7095	52/40	0.02	-	-5.28	-		1.53	-	-3.75	-	-1.00	Pass
HE20	MCS0	1	229	7095	106/54	0.02	-	-5.38	-		1.53	-	-3.85	-	-1.00	Pass
HE20	MCS0	1	229	7095	242/61	0.04	-	-5.30	-		1.53	-	-3.77	-	-1.00	Pass
HE40	MCS0	1	195	6925	Full	0.00	-	-5.47	-		1.53	-	-3.94	-	-1.00	Pass
HE40	MCS0	1	195	6925	484/65	0.08	-	-5.76	-		1.53	-	-4.23	-	-1.00	Pass
HE40	MCS0	1	211	7005	Full	0.00	-	-5.43	-		1.53	-	-3.90	-	-1.00	Pass
HE40	MCS0	1	211	7005	484/65	0.08	-	-5.59	-		1.53	-	-4.06	-	-1.00	Pass
HE40	MCS0	1	227	7085	Full	0.00	-	-5.18	-		1.53	-	-3.65	-	-1.00	Pass
HE40	MCS0	1	227	7085	484/65	0.08	-	-5.52	-		1.53	-	-3.99	-	-1.00	Pass
HE80	MCS0	1	199	6945	Full	0.00	-	-4.72	-		1.53	-	-3.19	-	-1.00	Pass
HE80	MCS0	1	199	6945	996/67	0.12	-	-5.11	-		1.53	-	-3.58	-	-1.00	Pass
HE80	MCS0	1	215	7025	Full	0.00	-	-5.05	-		1.53	-	-3.52	-	-1.00	Pass
HE80	MCS0	1	215	7025	996/67	0.12	-	-5.34	-		1.53	-	-3.81	-	-1.00	Pass
HE160	MCS0	1	207	6985	Full	0.01	-	-6.13	-		1.53	-	-4.60	-	-1.00	Pass
HE160	MCS0	1	207	6985	1992/68	0.11	-	-6.91	-		1.53	-	-5.38	-	-1.00	Pass

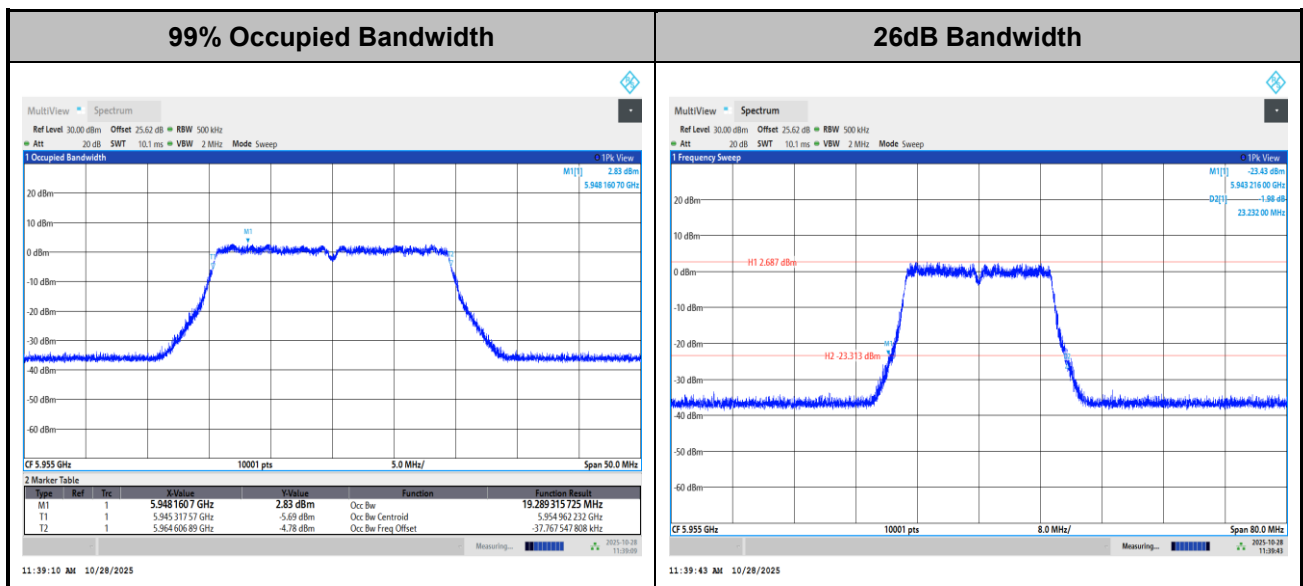
**Test Result of 26dB & 99% Occupied Bandwidth**

<802.11a>



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

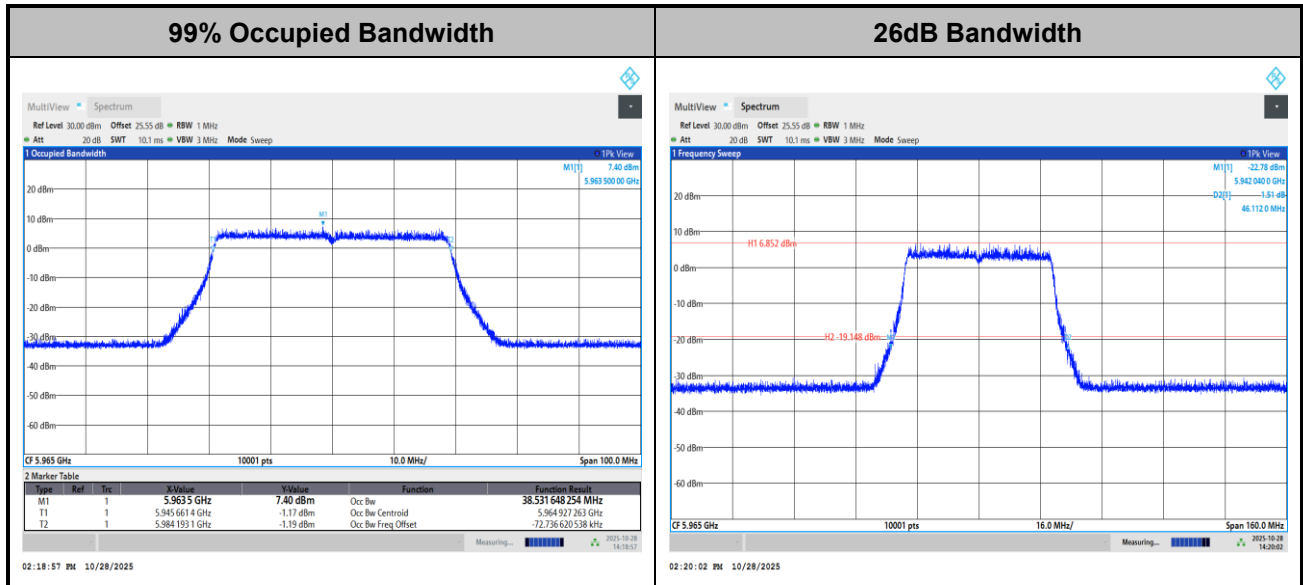
<802.11ax HE20>



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

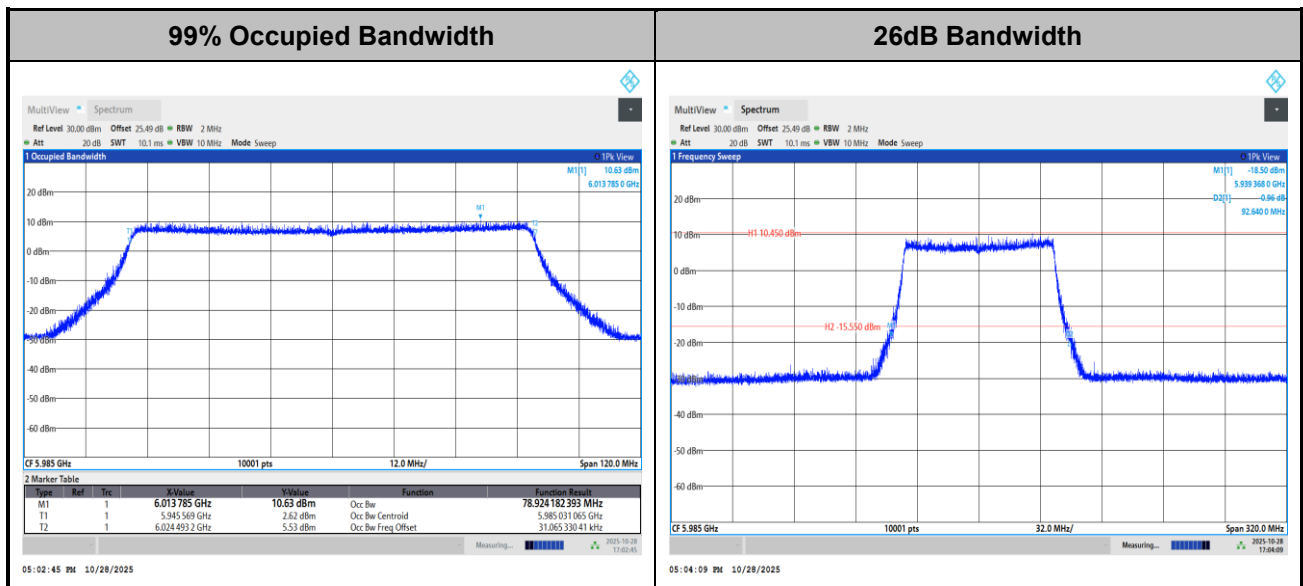


<802.11ax HE40>



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

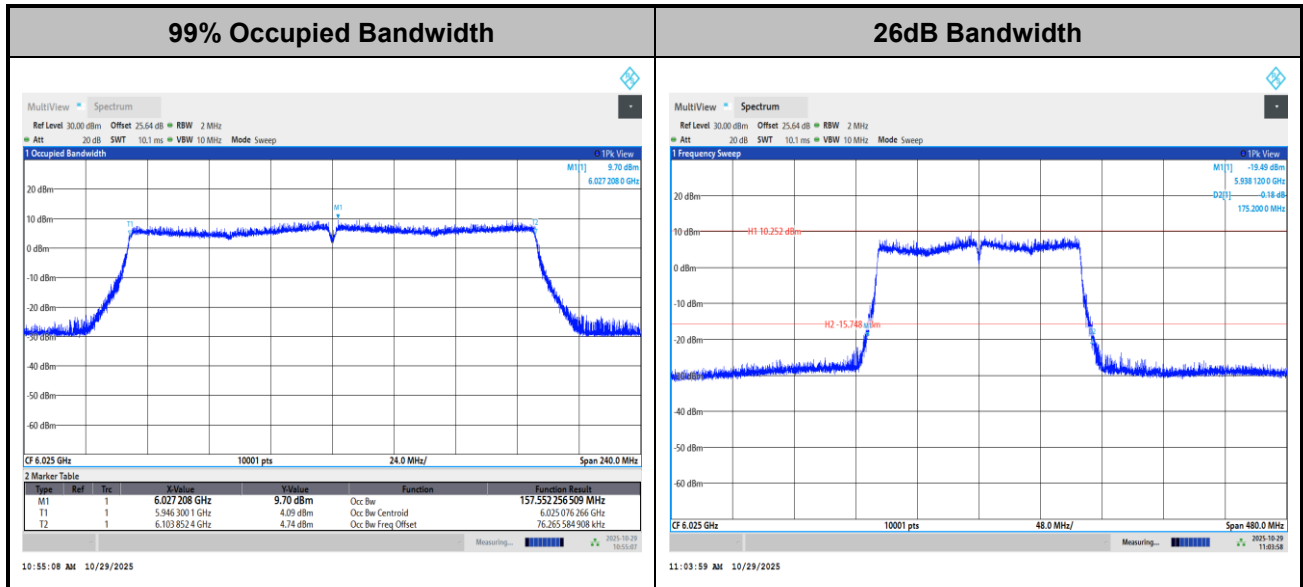
<802.11ax HE80>



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



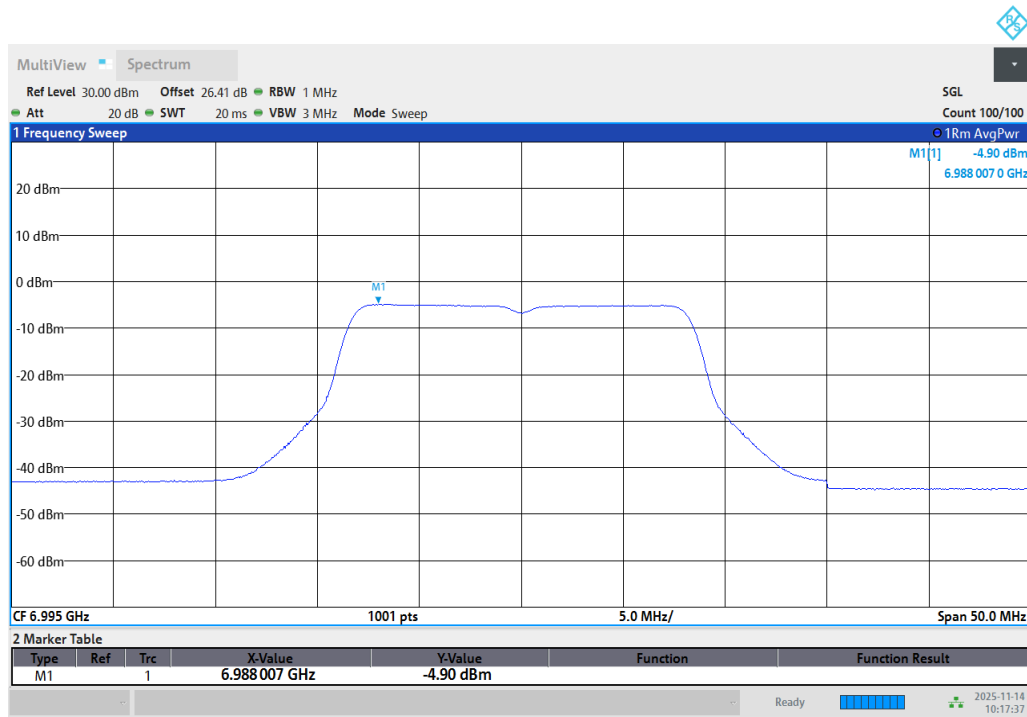
<802.11ax HE160>



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

**Test Result of Power Spectral Density**

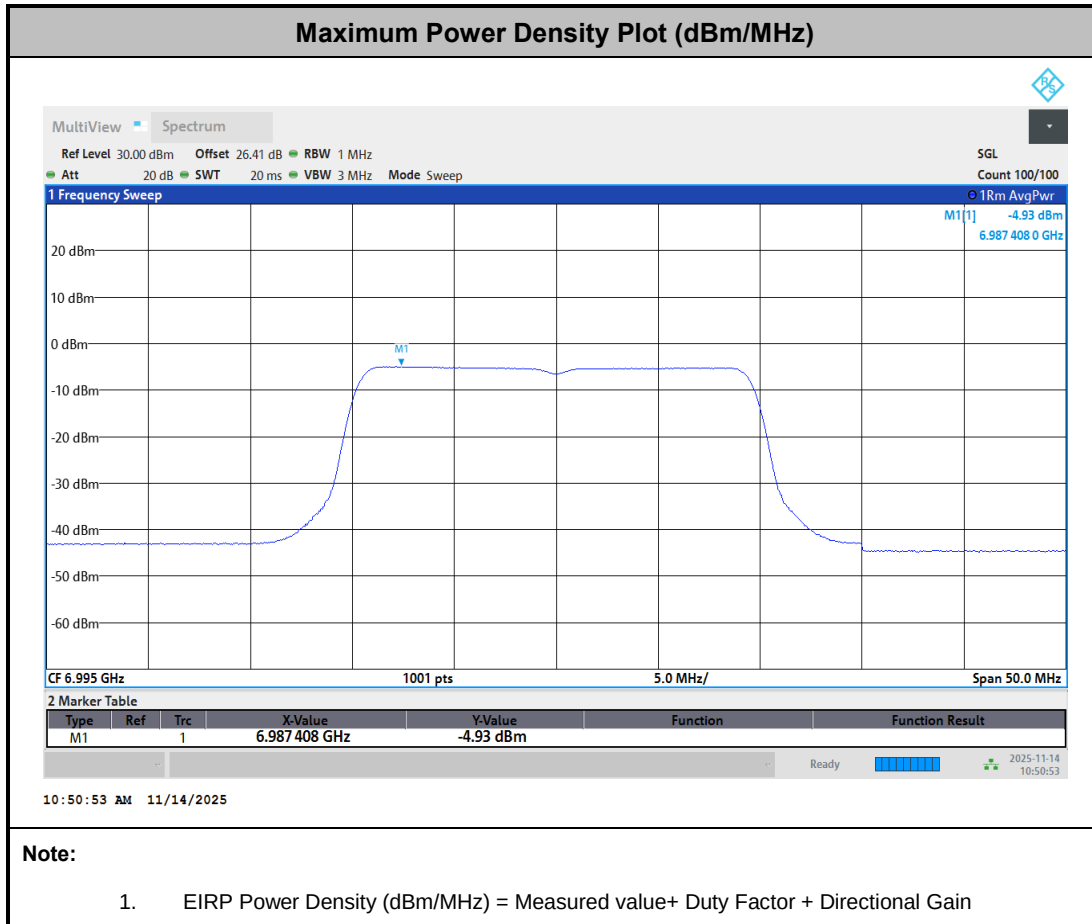
<802.11a>

Maximum Power Density Plot (dBm/MHz)**Note:**

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

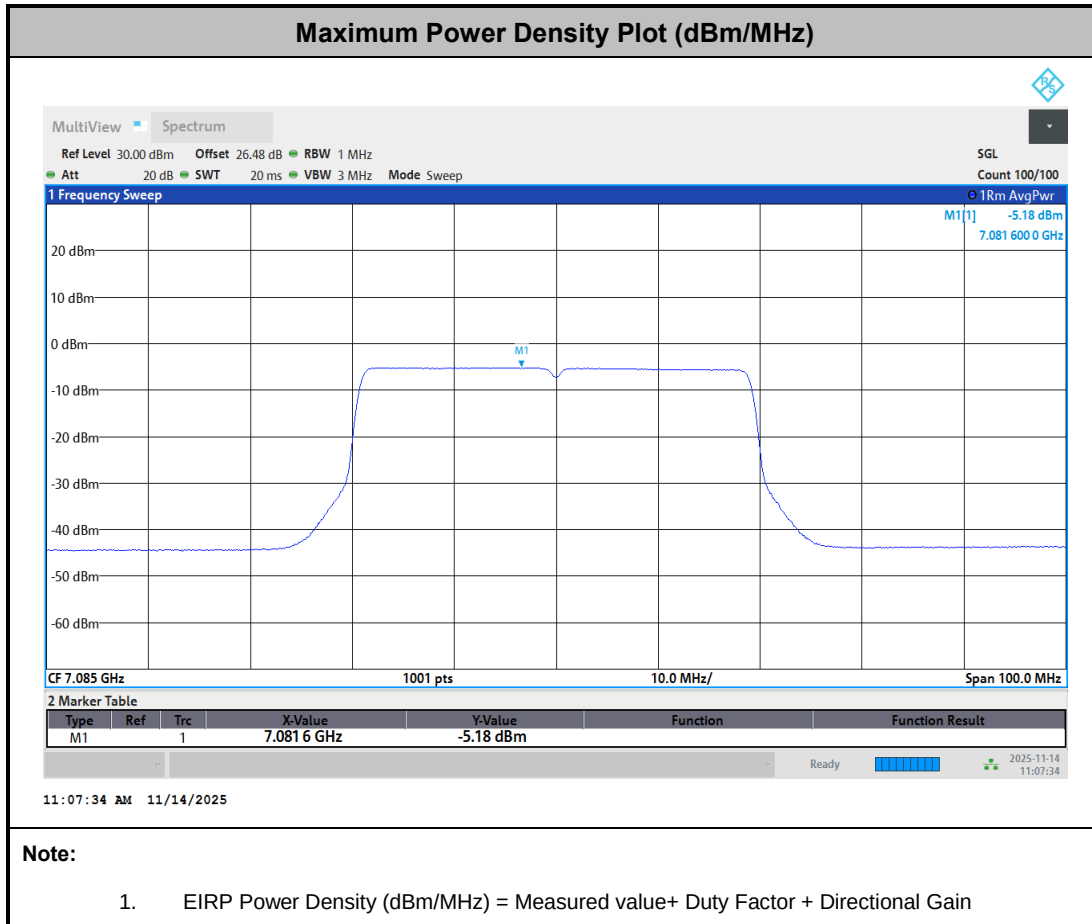


<802.11ax HE20>



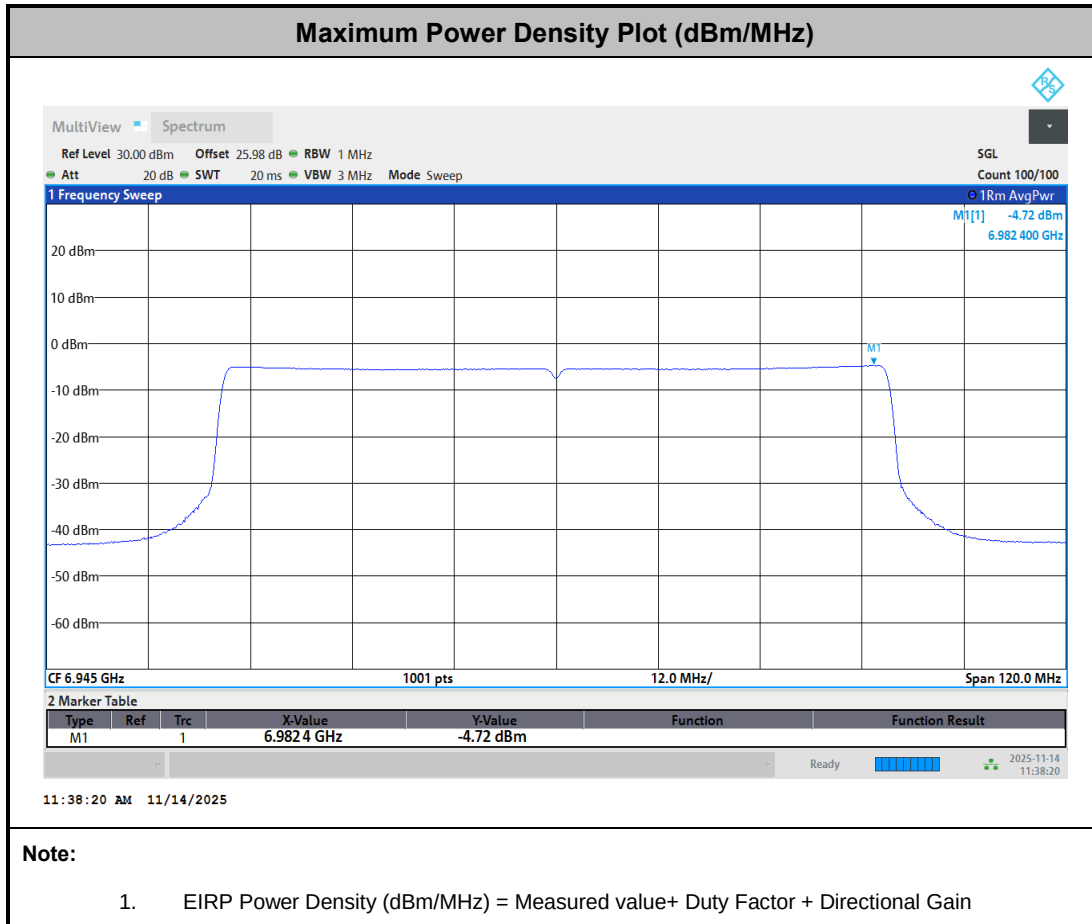


<802.11ax HE40>



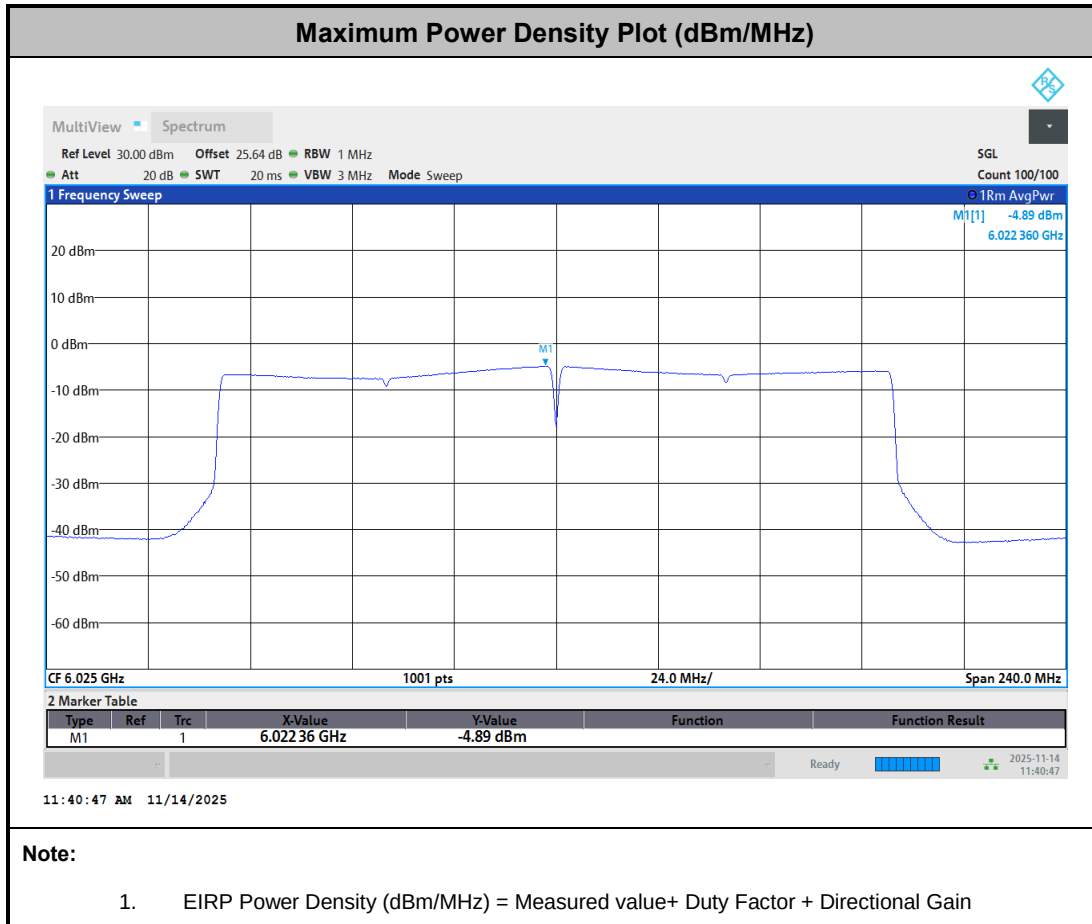


<802.11ax HE80>



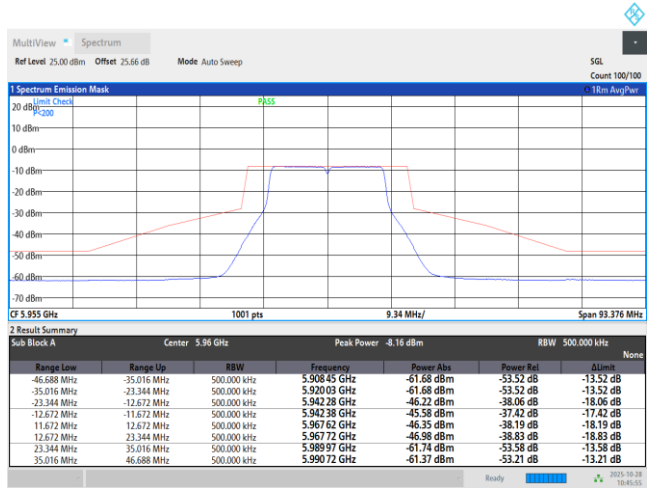


<802.11ax HE160>

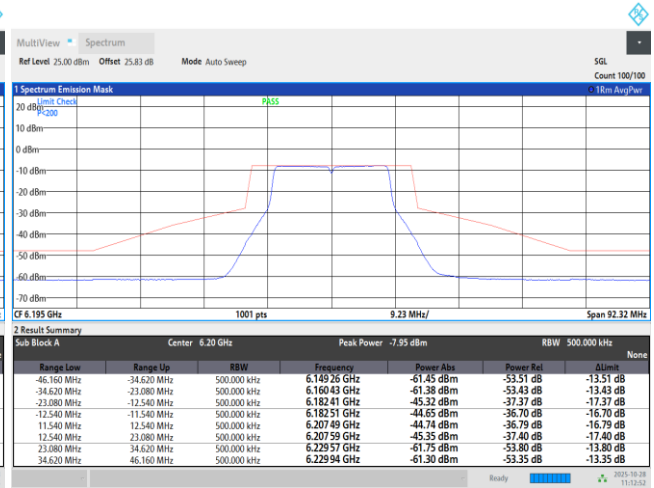




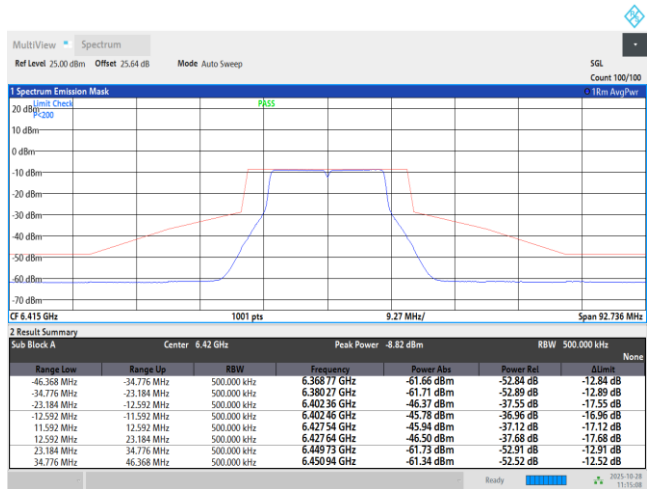
In-Band Emissions (Channel Mask)

EUT Mode 802.11a**Plot on 5955 MHz**

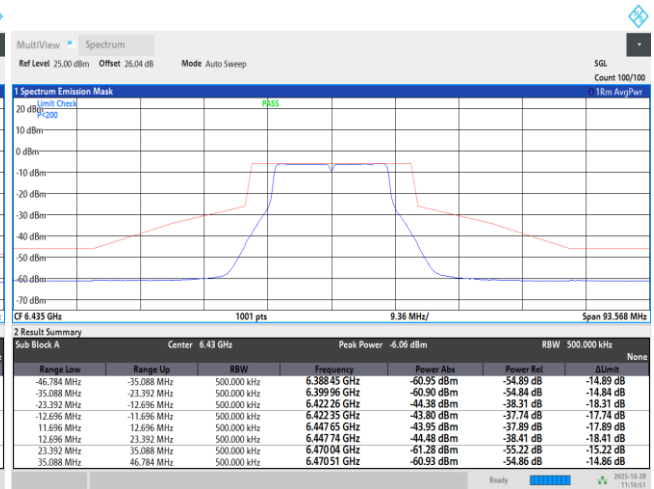
10:45:55 AM 10/28/2025

Plot on 6195 MHz

11:12:53 AM 10/28/2025

Plot on 6415 MHz

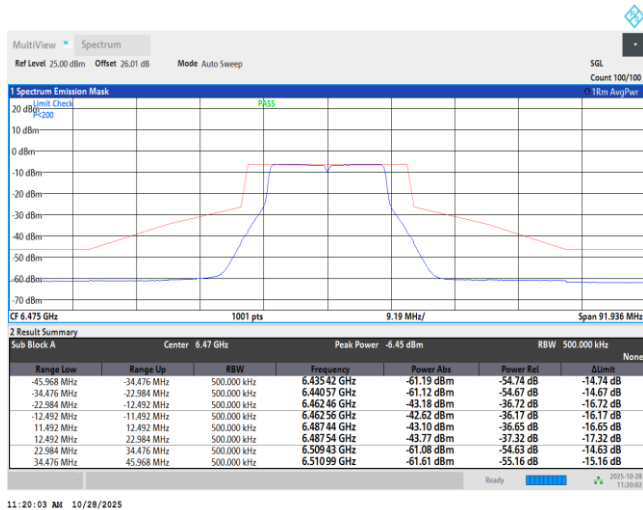
11:15:08 AM 10/28/2025

Plot on 6435 MHz

11:16:51 AM 10/28/2025

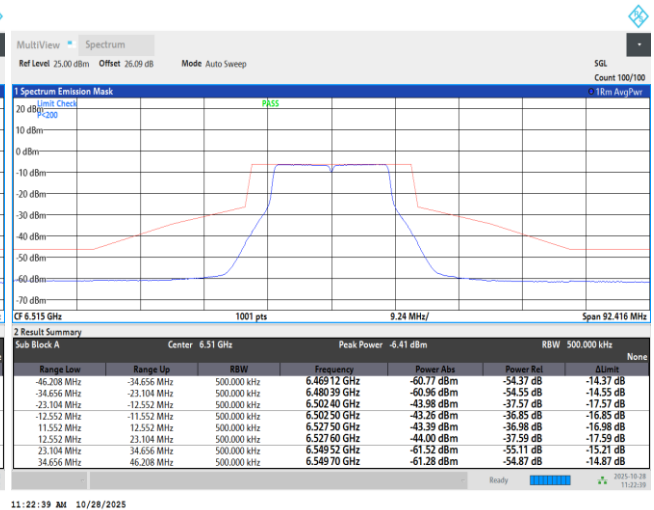


Plot on 6475 MHz



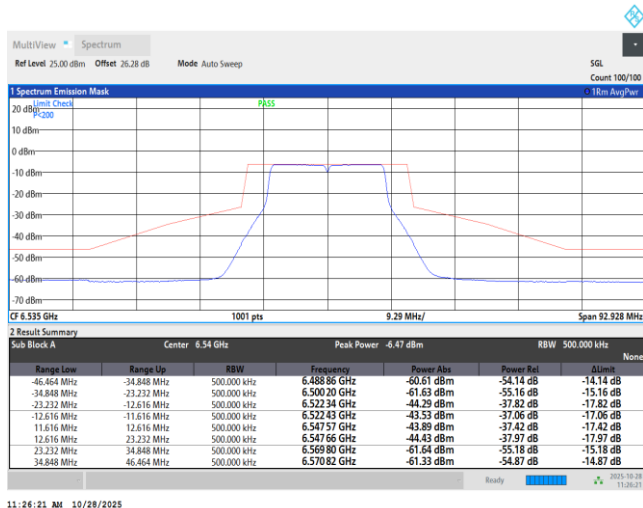
11:20:03 AM 10/28/2025

Plot on 6515 MHz



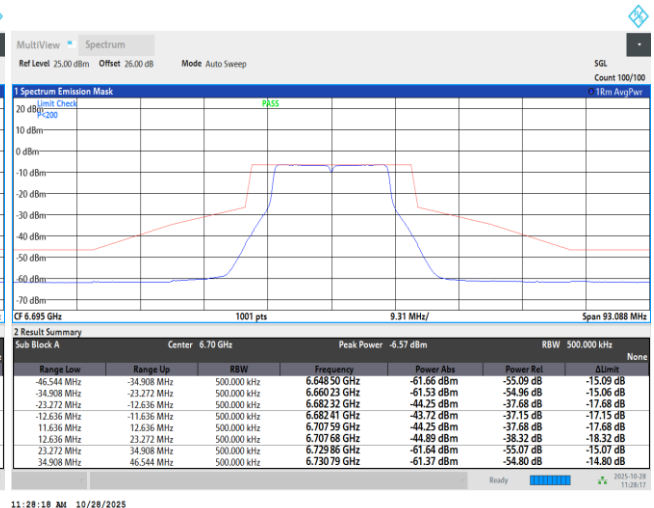
11:22:39 AM 10/28/2025

Plot on 6535 MHz



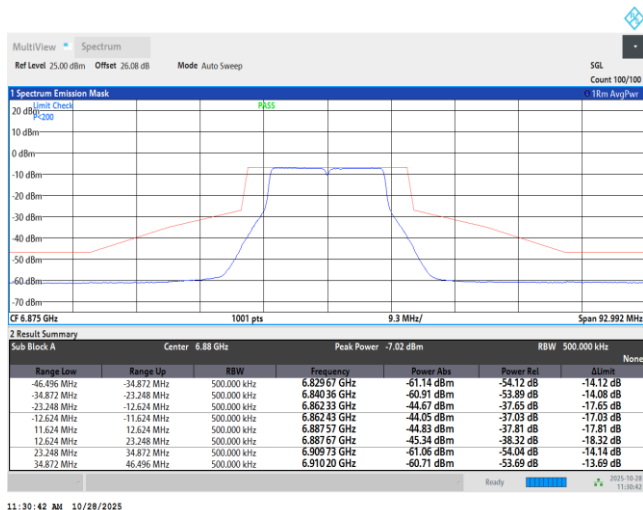
11:26:21 AM 10/28/2025

Plot on 6695 MHz



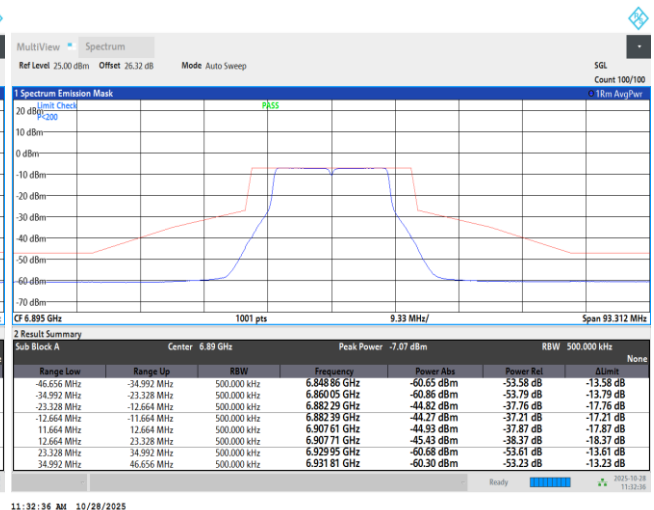
11:28:18 AM 10/28/2025

Plot on 6875 MHz



11:30:42 AM 10/28/2025

Plot on 6895 MHz

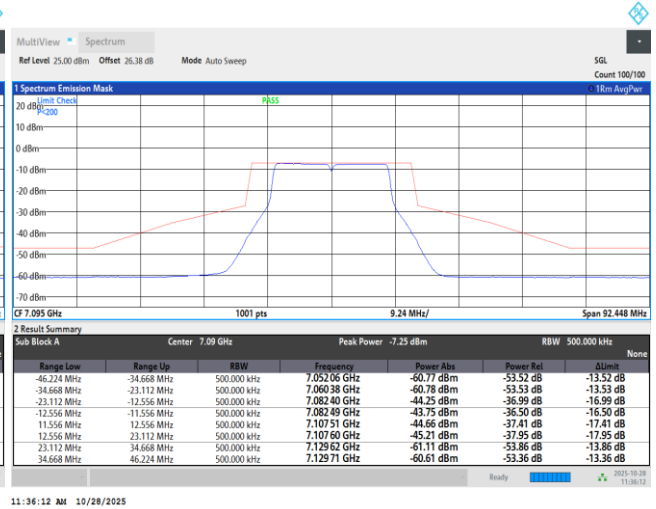
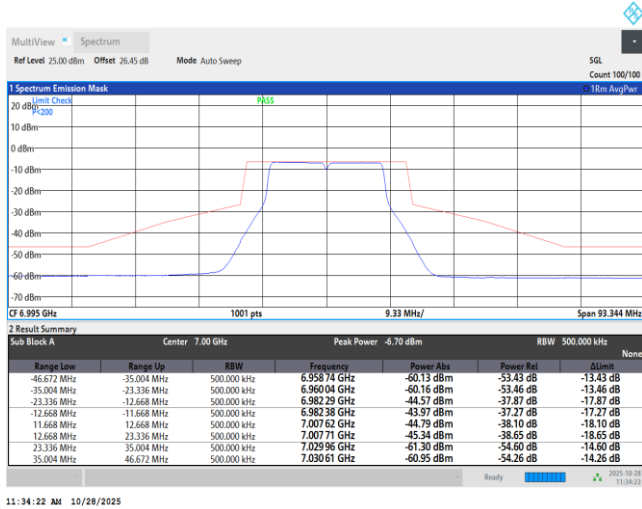


11:32:36 AM 10/28/2025



Plot on 6995 MHz

Plot on 7095 MHz

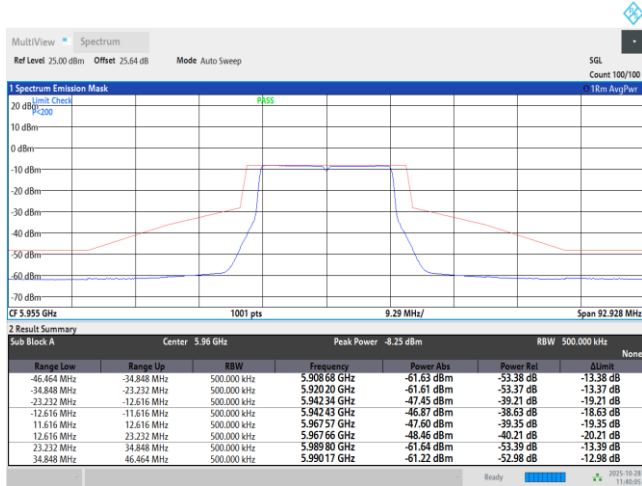




EUT Mode

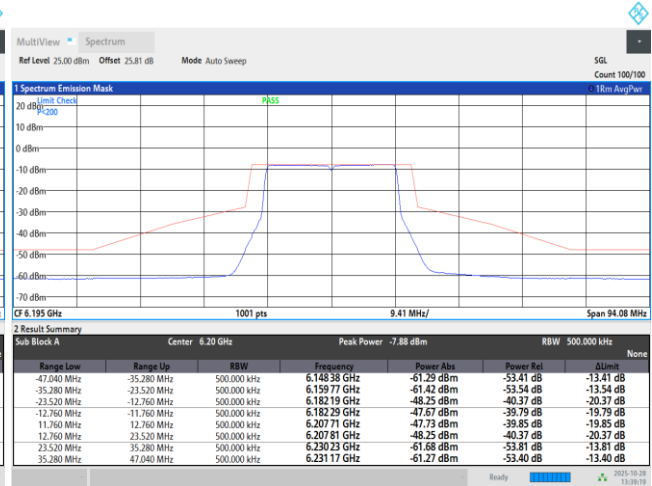
802.11ax HE20 Full RU

Plot on 5955 MHz



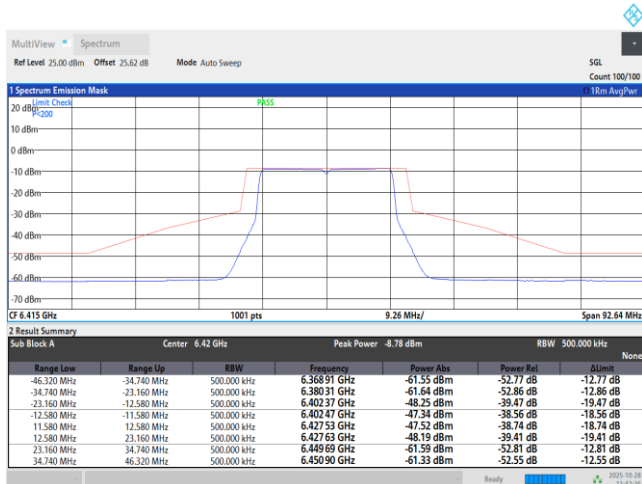
11:40:05 AM 10/28/2025

Plot on 6195 MHz



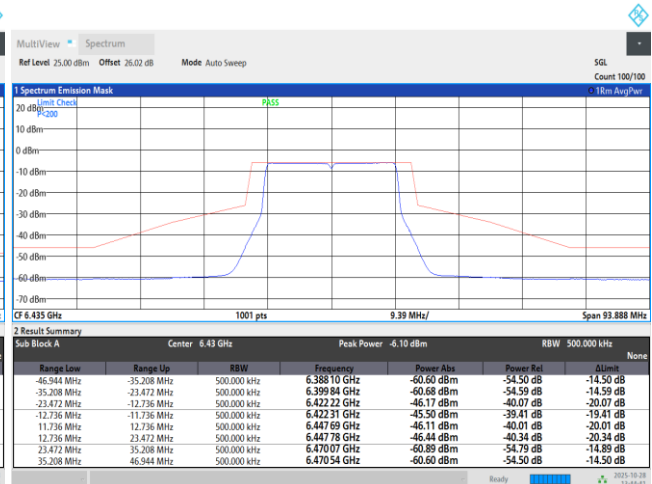
01:39:19 PM 10/28/2025

Plot on 6415 MHz



01:42:26 PM 10/28/2025

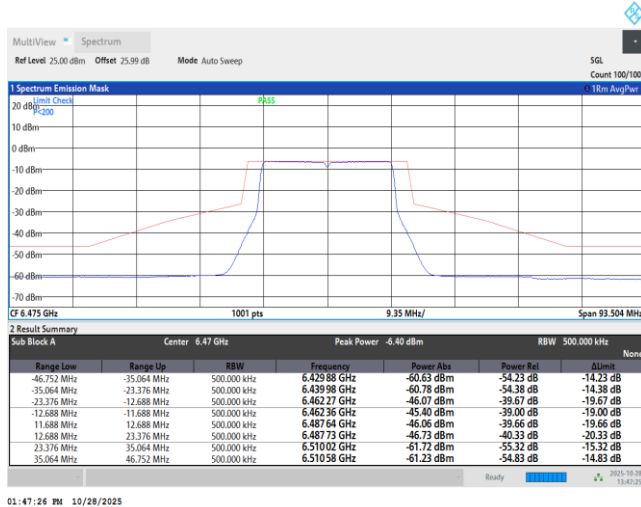
Plot on 6435 MHz



01:44:41 PM 10/28/2025

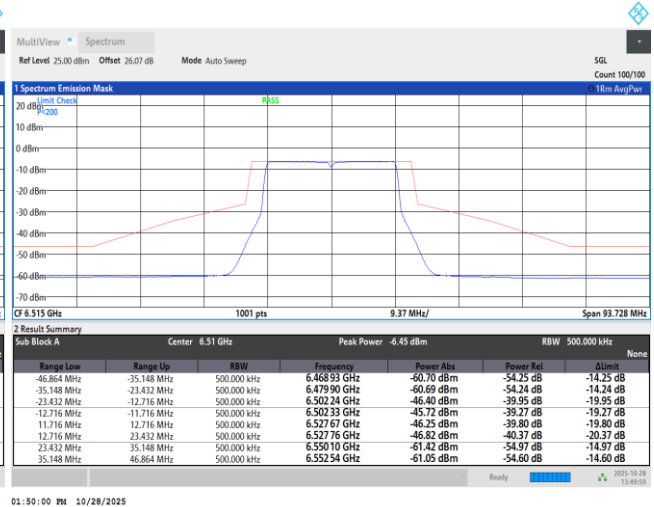


Plot on 6475 MHz



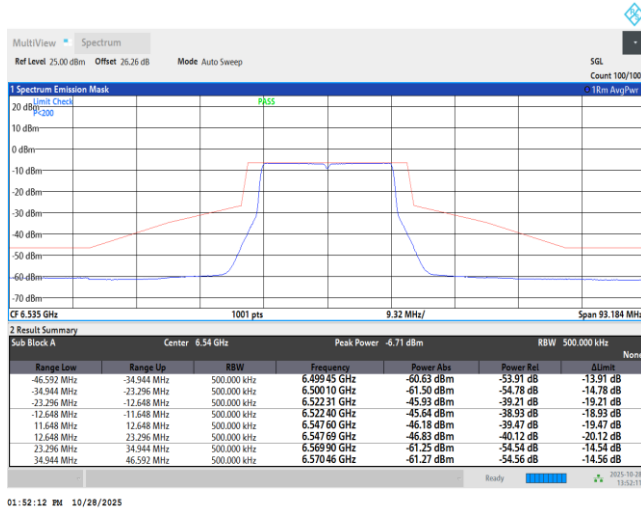
01:47:26 PM 10/28/2025

Plot on 6515 MHz



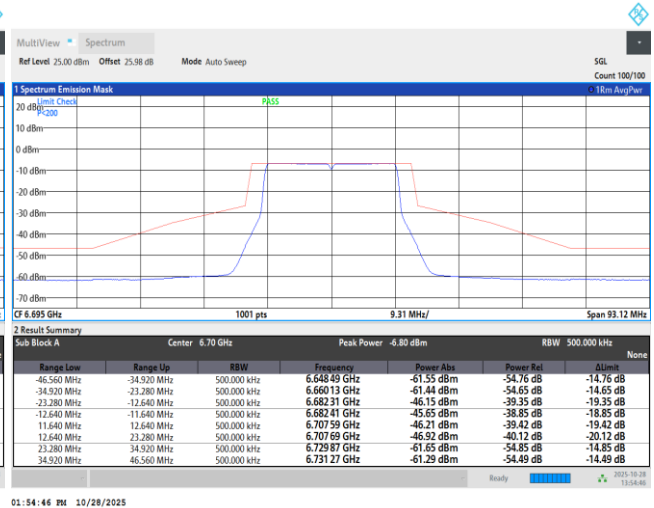
01:50:00 PM 10/28/2025

Plot on 6535 MHz



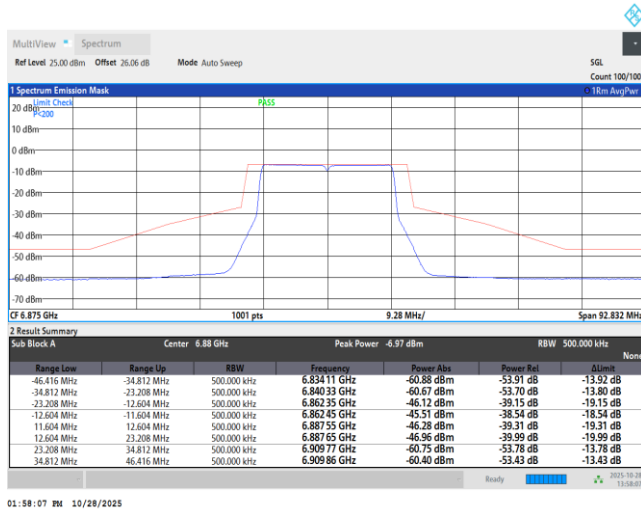
01:52:12 PM 10/28/2025

Plot on 6695 MHz



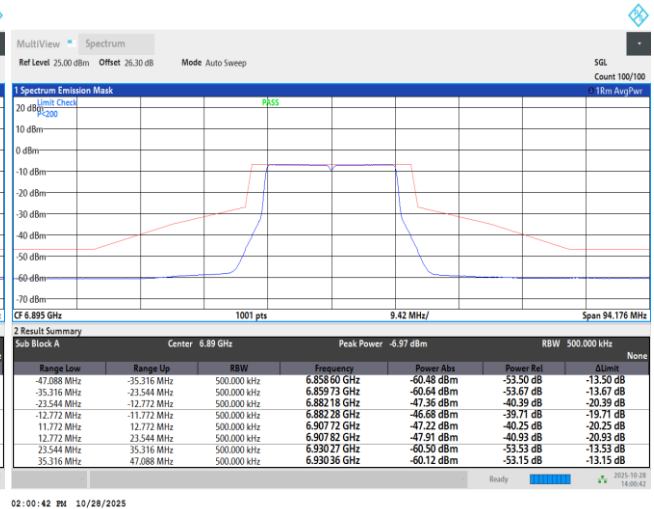
01:54:46 PM 10/28/2025

Plot on 6875 MHz



01:58:07 PM 10/28/2025

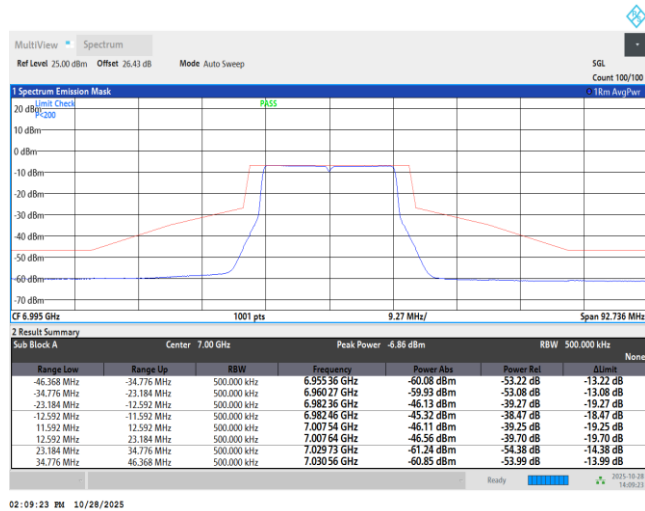
Plot on 6895 MHz



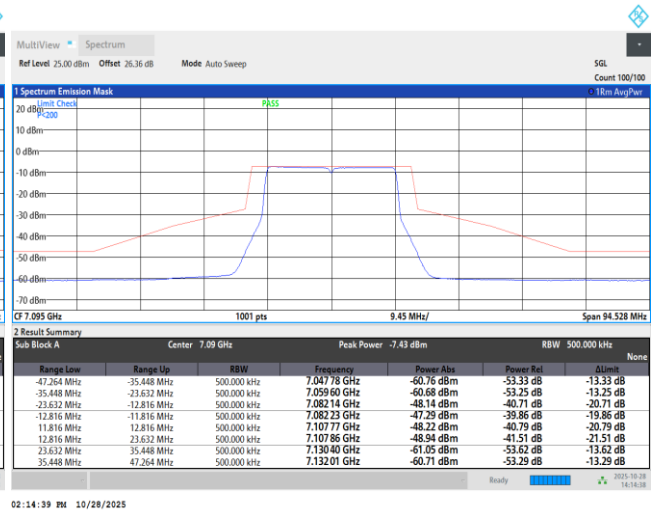
02:00:42 PM 10/28/2025



Plot on 6995 MHz



Plot on 7095 MHz

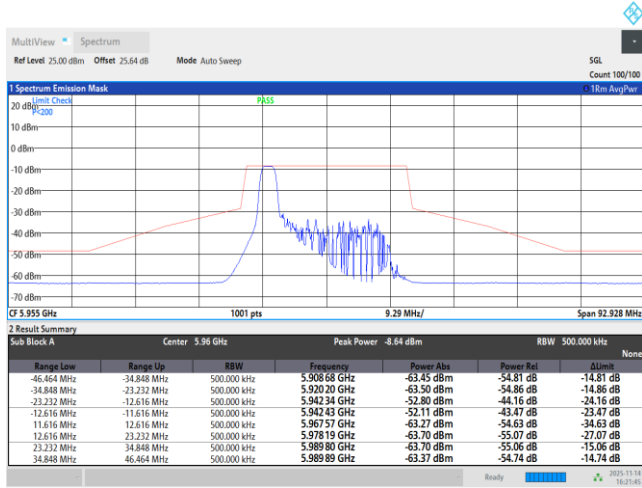




EUT Mode

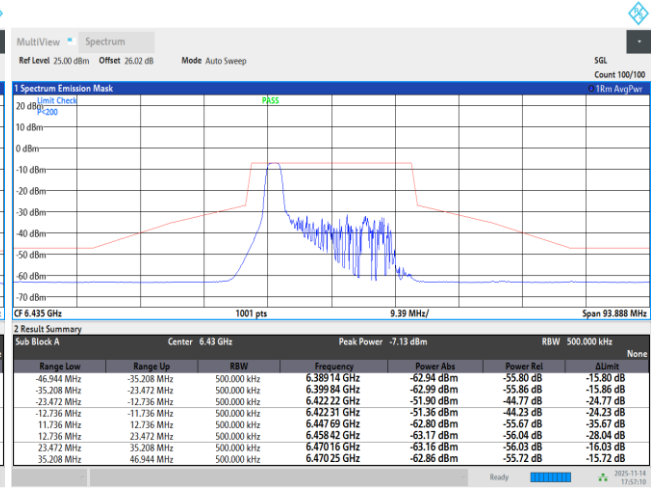
802.11ax HE20 26RU0

Plot on 5955 MHz



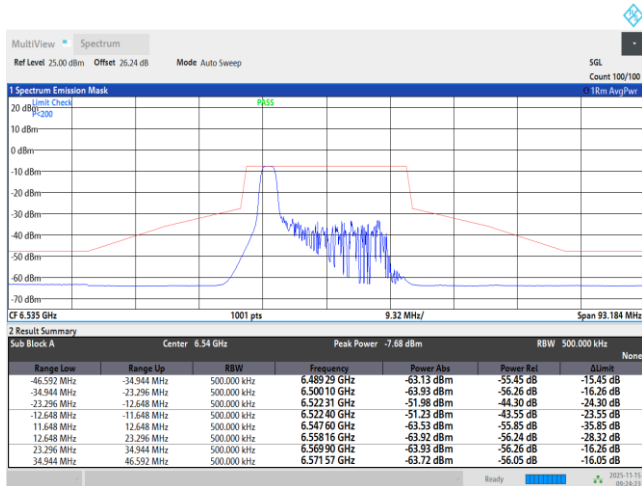
04:21:45 PM 11/14/2025

Plot on 6435 MHz



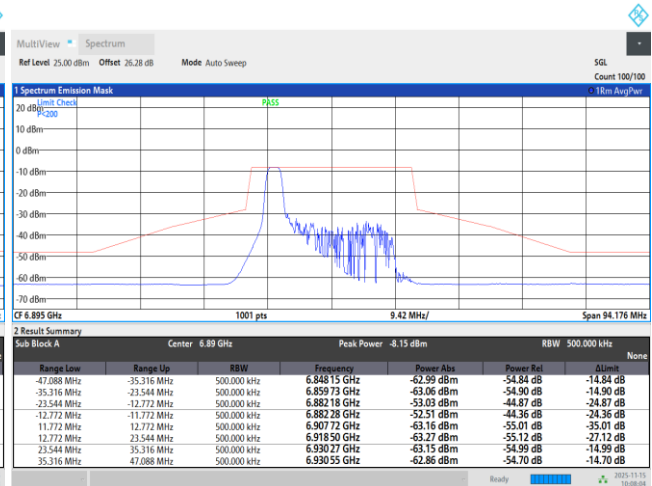
05:57:11 PM 11/14/2025

Plot on 6535 MHz



09:24:23 AM 11/15/2025

Plot on 6895 MHz



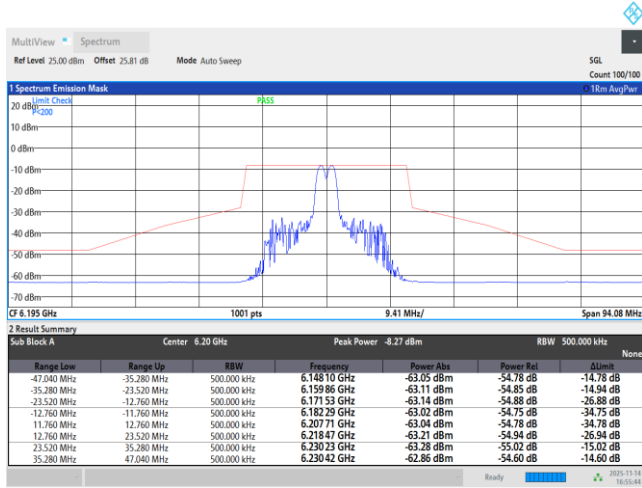
10:08:04 AM 11/15/2025



EUT Mode

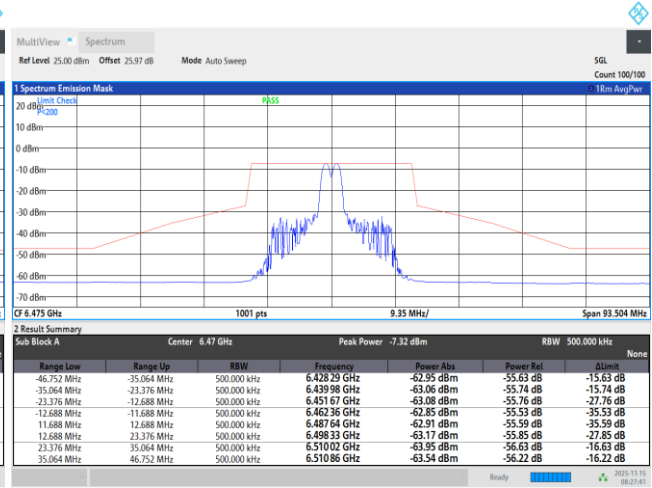
802.11ax HE20 26RU4

Plot on 6195 MHz



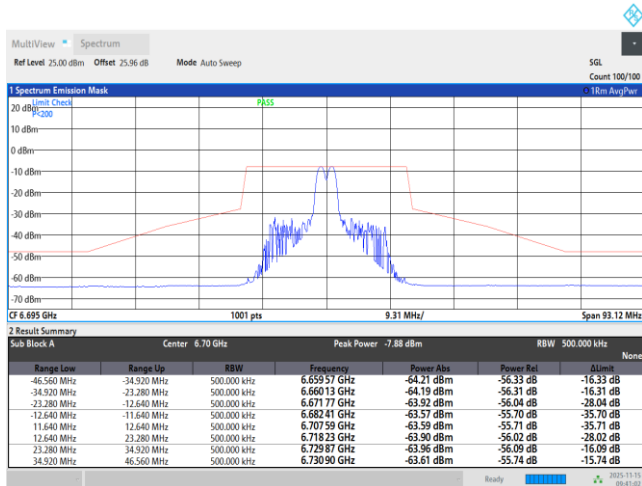
04:55:44 PM 11/14/2025

Plot on 6475 MHz



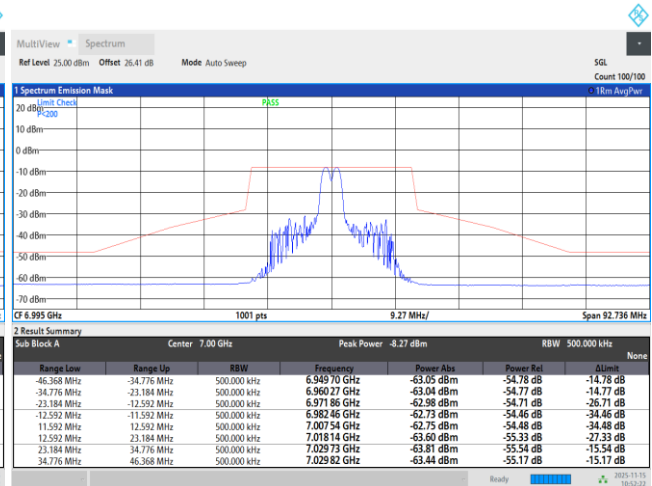
08:27:42 AM 11/15/2025

Plot on 6695 MHz



09:41:02 AM 11/15/2025

Plot on 6995 MHz



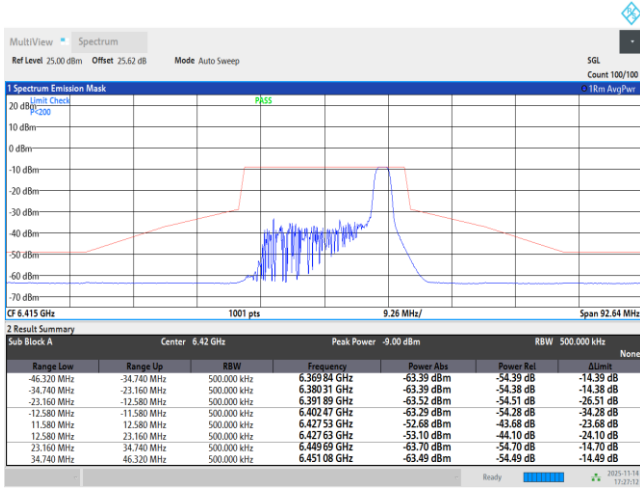
10:52:22 AM 11/15/2025



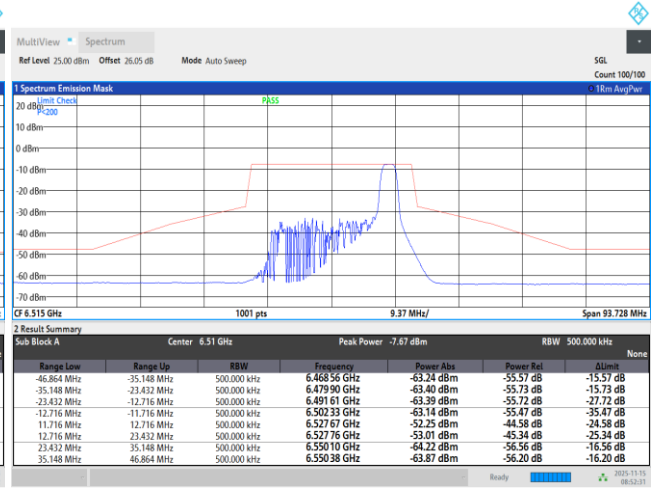
EUT Mode

802.11ax HE20 26RU8

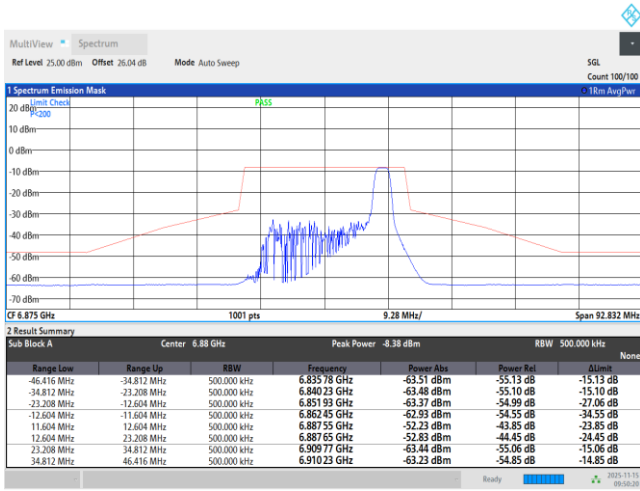
Plot on 6415 MHz



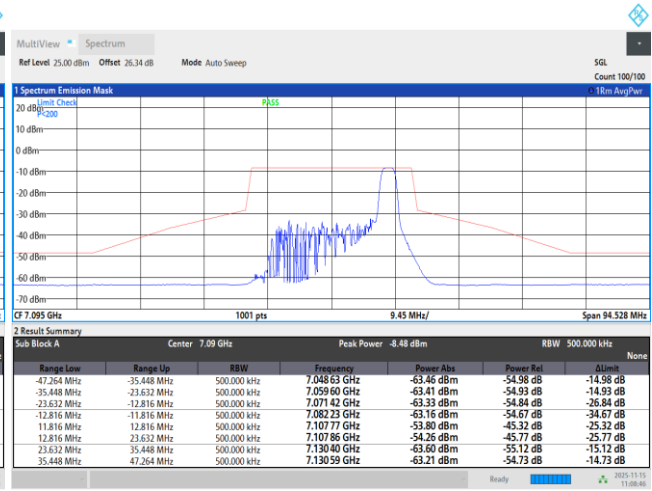
Plot on 6515 MHz



Plot on 6875 MHz



Plot on 7095 MHz

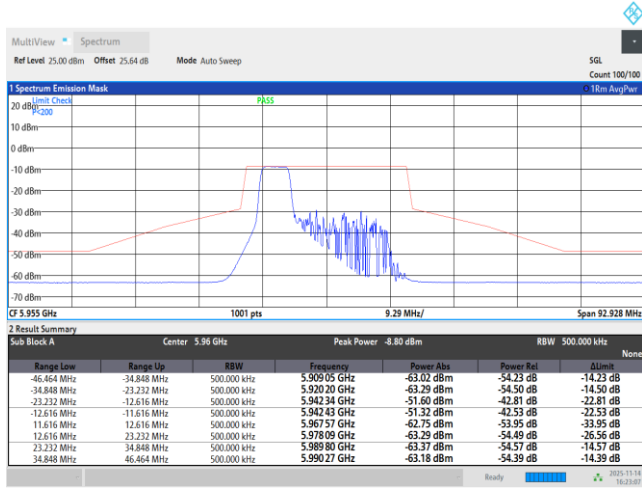




EUT Mode

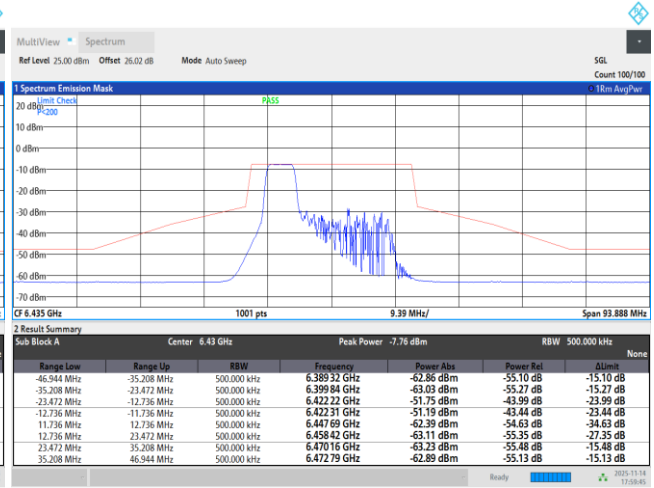
802.11ax HE20 52RU37

Plot on 5955 MHz



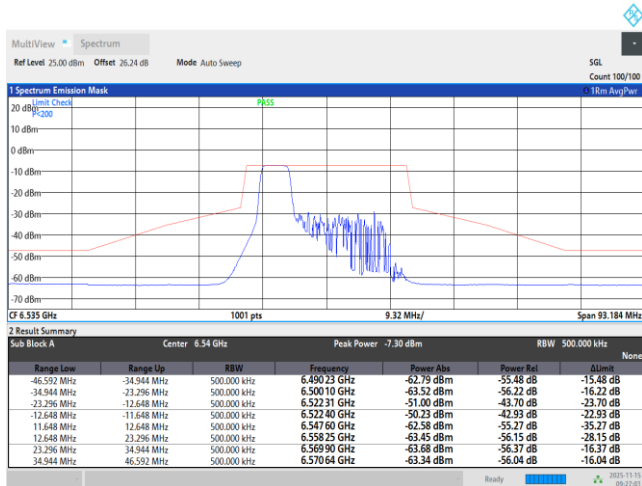
04:23:07 PM 11/14/2025

Plot on 6435 MHz



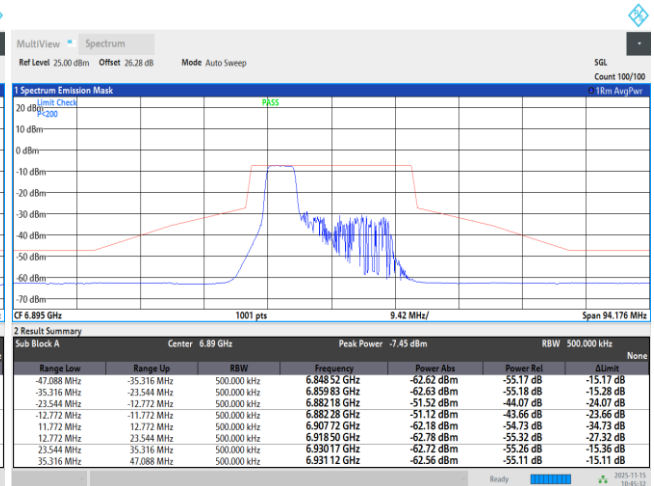
05:59:46 PM 11/14/2025

Plot on 6535 MHz



09:27:02 AM 11/15/2025

Plot on 6895 MHz



10:45:32 AM 11/15/2025