



FCC RADIO TEST REPORT

FCC ID : A4RGE1GQ
Equipment : Phone
Model Name : GE1GQ
Applicant : Google LLC
1600 Amphitheatre Parkway,
Mountain View, CA, 94043 USA
Standard : FCC Part 15 Subpart E §15.407

The product was received on May 09, 2025 and testing was performed from Jun. 11, 2025 to Jul. 23, 2025. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

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



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Product Feature of Equipment Under Test.....	5
1.2 Modification of EUT	6
1.3 Testing Location	6
1.4 Applicable Standards.....	6
2 Test Configuration of Equipment Under Test	7
2.1 Carrier Frequency and Channel	7
2.2 Test Mode	10
2.3 Connection Diagram of Test System.....	11
2.4 Support Unit used in test configuration and system	11
2.5 EUT Operation Test Setup	12
2.6 Measurement Results Explanation Example.....	12
3 Test Result	13
3.1 26dB & 99% Occupied Bandwidth Measurement	13
3.2 Fundamental Maximum EIRP Measurement	14
3.3 Fundamental Power Spectral Density Measurement	15
3.4 In-Band Emissions (Channel Mask)	17
3.5 Transmit Power Control (TPC)	19
3.6 AC Conducted Emission Measurement.....	21
3.7 Antenna Requirements.....	23
4 List of Measuring Equipment.....	24
5 Measurement Uncertainty	26
Appendix A. Conducted Test Results	
Appendix B. AC Conducted Emission Test Result	
Appendix C. Duty Cycle Plots	



History of this test report

Report No.	Version	Description	Issue Date
FR550731I	01	Initial issue of report	Sep. 16, 2025
FR550731I	02	Revise section 2, 3, Appendix A and C.	Oct. 09, 2025
FR550731I	03	Revise section 2, 4, Appendix A and C.	Oct. 15, 2025
FR550731I	04	Revise section 2.2	Oct. 16, 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)(9)	Fundamental Maximum EIRP	Pass	-
3.3	15.407(a)(9)	Fundamental Power Spectral Density	Pass	-
3.4	15.407(b)(6)	In-Band Emissions (Channel Mask)	Pass	-
-	15.407(d)(6)	Contention Based Protocol	Pass	See Note
3.5	15.407(d)(10)	Transmit Power Control (TPC)	Pass	-
-	15.407(b)	Unwanted Emissions	Pass	See Note
3.7	15.207	AC Conducted Emission	Pass	-
3.8	15.203 15.407(a)	Antenna Requirement	Pass	-

Note : For Unwanted Emissions and Contention Based Protocol test data, please refer to Sporton report number FR550731G.

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: Peter Liao

Report Producer: Shannon Huang



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs GSM/WCDMA/LTE/5G NR/NTN, Bluetooth, BLE, BLE channel sounding, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, Wi-Fi 6GHz 802.11a/ax, NFC, WPC Rx, and GNSS.
Antenna Type WLAN: <Ant. 3>: IFA Antenna <Ant. 4>: IFA Antenna

EUT Information List	
S/N	Performed Test Item
54181JEA300017	RF Conducted Measurement
56141JEA302762	Radiated Spurious Emission
54191JEA300268	Conducted Emission

Antenna information for Directional Gain		
5925 MHz ~ 6425 MHz	Peak Gain (dBi)	<6G_Ant3 + 6G_Ant4> Correlated: -3.3 Uncorrelated: -5.8
6425 MHz ~ 6525 MHz	Peak Gain (dBi)	<6G_Ant3 + 6G_Ant4> Correlated: -4.5 Uncorrelated: -6.3
6525 MHz ~ 6875 MHz	Peak Gain (dBi)	<6G_Ant3 + 6G_Ant4> Correlated: -1.2 Uncorrelated: -2.2
6875 MHz ~ 7125 MHz	Peak Gain (dBi)	<6G_Ant3 + 6G_Ant4> Correlated: -0.6 Uncorrelated: -1.2

Remark:

1. The antenna gain is provided by the MIMO antenna report from manufacturer. For CDD mode, uncorrelated gain is used for EIRP output power calculation and correlated gain is for PSD EIRP calculation. For SDM mode, uncorrelated gain is used for EIRP output power/ PSD calculation.
2. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No. DF02-HY (TAF Code: 1190)
Remark	The Transmit Power Control (TPC) test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory.

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

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

FCC designation No.: TW1190 and 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 v03
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ 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.

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), For radiated measurement, the test is covered by standard power client mode and low power indoor client mode because the VLP output power is lower than them.
- 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 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 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 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 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 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 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 20M	Channel	225				229			
	Freq. (MHz)	7075				7095			
BW 40M	Channel	227							
	Freq. (MHz)	7085							

2.2 Test Mode

This device supports both CDD and SDM modes.

This device supports 26/52/106/242/484/996 single tone RU modes for 802.11ax modes and the 242/484/996-tone RU modes are covered by 20/40/80MHz channels.

The output power, PSD and additional emission mask are measured against EIRP, PSD and mask limit for both CDD and SDM mode. All the other test cases are performed under CDD mode using SDM power level as worst case to show compliance.

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

The PSD and power of partial RU a are less than full RU configurations so the full RU is chosen as main test configuration.

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

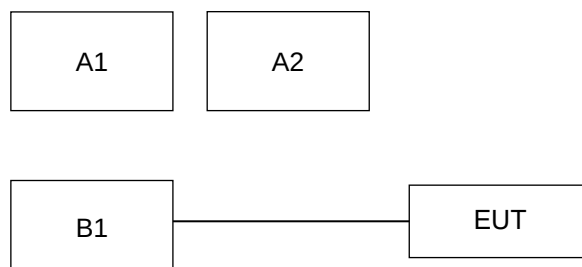
The final test modes include the worst data rates for each modulation shown in the table below.

MIMO Mode

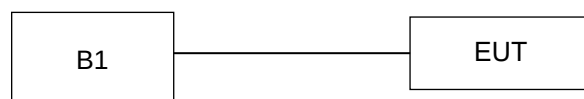
Specification	MCS index /Data Rate
802.11a	6 Mbps
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : WLAN(6G) Link + BT Link + MPEG4
Remark: 1. During the preliminary test, both charging modes (Adapter mode and WPC Rx mode) were verified. It is determined that the adaptor mode is the worst case for official test.	

2.3 Connection Diagram of Test System



Conduction Test Setup									
No.	Wireless Station	Connection Type	Test Mode						
			1	-	-	-	-	-	-
A1	BT Earphone	Bluetooth	X	-	-	-	-	-	-
A2	AP router	WiFi	X	-	-	-	-	-	-
No.	Power Source	Connection Type	1	-	-	-	-	-	-
B1	AC : 120V/60Hz	AC Power Cable	X	-	-	-	-	-	-



Radiation Test Setup									
No.	Power Source	Connection Type	Test Mode						
			TX						
B1	AC : 110V/60Hz	AC Power Cable	X						

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	ASUS	GT-AXE11000	N/A	N/A	Unshielded, 1.8m
2.	Bluetooth Earphone	Google	G1007/G1008	A4RG1007/ A4RG1008	N/A	N/A
3.	Adapter	Google	GW8L7	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “WLAN_DUT_Control_GUI_11-15-24” 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

<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.

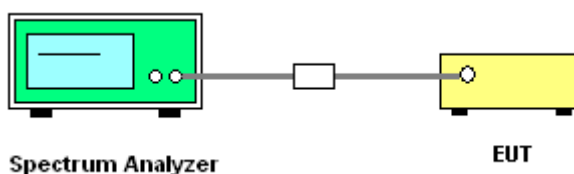
3.1.2 Measuring Instruments

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
RBW	500kHz	1MHz	1MHz
VBW	1MHz	3MHz	3MHz

3.2 Fundamental Maximum EIRP Measurement

3.2.1 Limit of Fundamental Maximum EIRP

<FCC 14-30 CFR 15.407>

(a)(9) For very low power devices operating in the 5.925-6.425 GHz and 6.525-6.875 GHz bands, the maximum power spectral density must not exceed -5 dBm e.i.r.p in any 1-megahertz band and the maximum e.i.r.p must not exceed 14 dBm.

3.2.2 Measuring Instruments

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

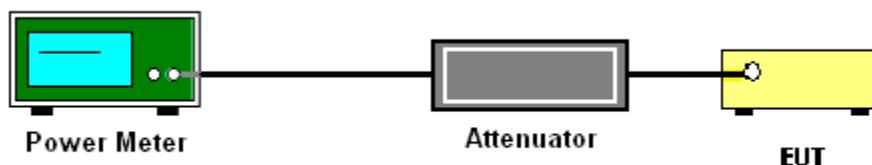
3.2.3 Test Procedures

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)(9) For very low power devices operating in the 5.925-6.425 GHz and 6.525-6.875 GHz bands, the maximum power spectral density must not exceed -5 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

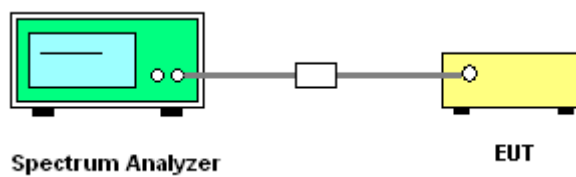
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- 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. 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>

(a)(6) 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.

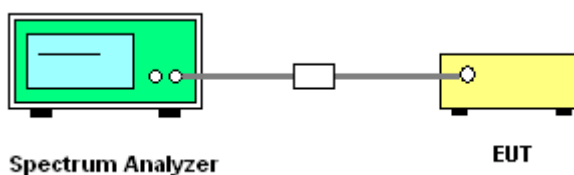
3.4.3 Test Procedures

The testing follows FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v02r01.

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 of In-Band Emissions (Channel Mask)

Please refer to Appendix A.

3.5 Transmit Power Control (TPC)

3.5.1 Limit of Transmit Power Control (TPC)

<FCC 14-30 CFR 15.407>

(d)(10) Very low power devices operating in the 5.925-6.425 and 6.525-6.875 GHz bands shall employ a transmit power control (TPC) mechanism. A very low power device is required to have the capability to operate at least 6 dB below the maximum EIRP power spectral density (PSD) value of -5 dBm/MHz.

3.5.2 Measuring Instruments

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

3.5.3 Test Procedure:

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section F) Maximum power spectral density.

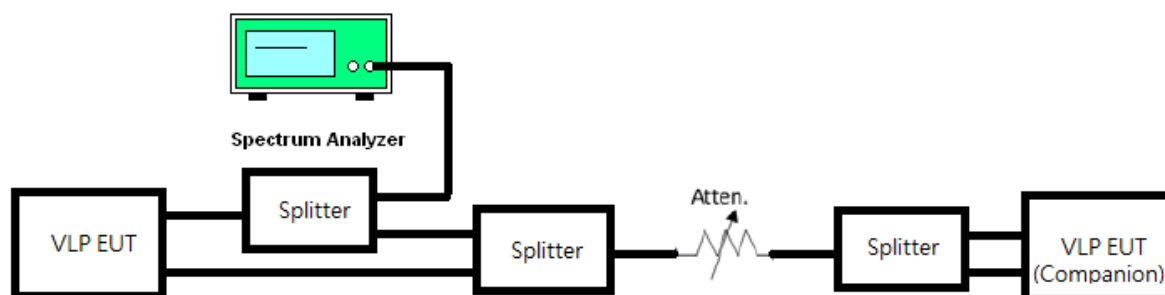
Method SA-2

(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.

Measure the PPSD and record it.

3.5.4 Test Setup



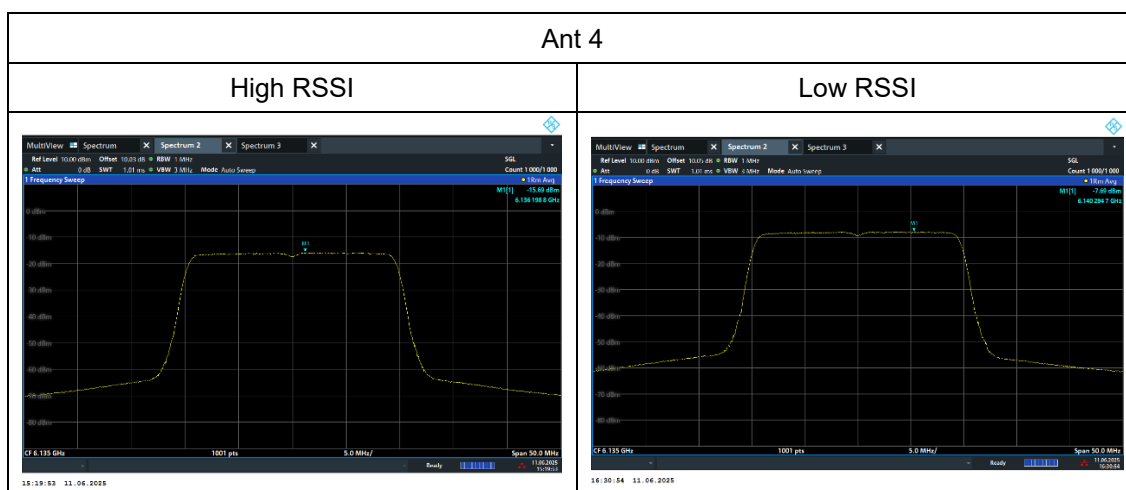
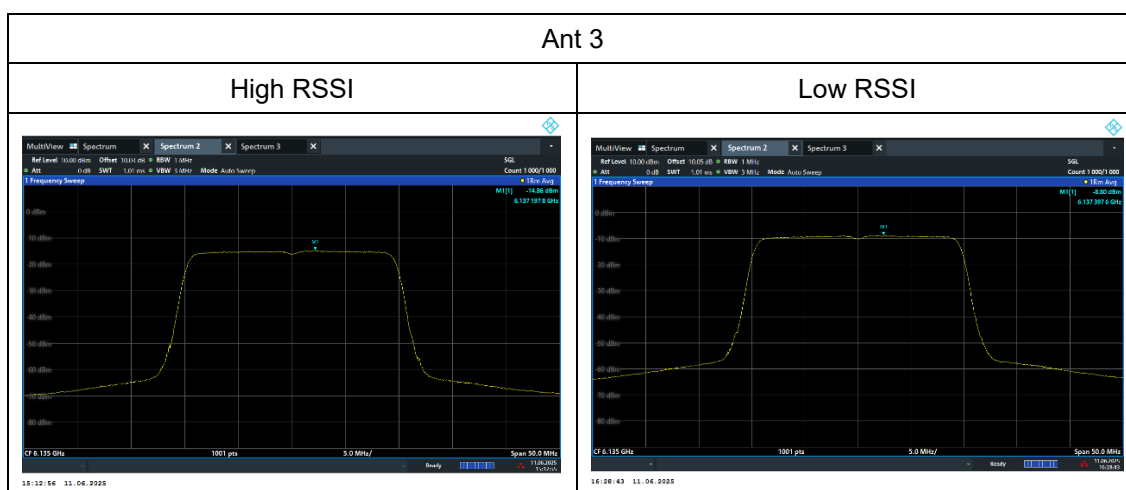


3.5.5 Test Result

The purpose of this test is to verify the relative power drop as the RSSI is increased.

If the conducted PSD delta is greater than 6dB then it ensures the EIRP PSD is at least 6 dB below the maximum EIRP power spectral density (PSD) value of -5 dBm/MHz .

UNII-5 MIMO 2TX	HE20 6135MHz	Conducted PSD Ant 3 (3+4) (dBm/MHz)	Conducted PSD Ant 4 (3+4) (dBm/MHz)	Conducted PSD Ant 3+4 (dBm/MHz)	Antenna Gain Ant 3+4 (dBi)	EIRP PSD Ant 3+4 (dBm/MHz)	
		Low RSSI	-8.8	-7.69			-5.20
		High RSSI	-14.86	-15.69			-12.24
		Verdict [EIRP PSD < -11dBm/MHz]					Pass



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.

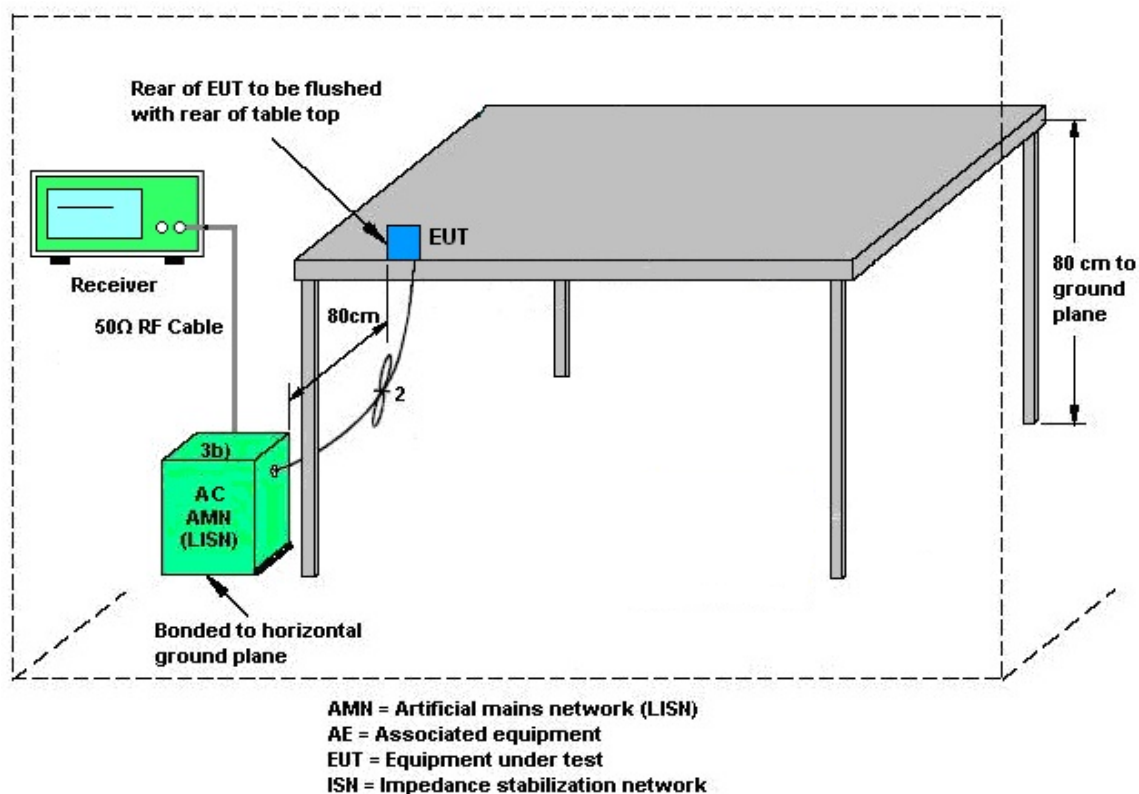
3.6.2 Measuring Instruments

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

b) Unique (non-standard) antenna connector.

(3) Use of a standard connector is also allowed if the connector is within the transmitter enclosure and can only be accessed by disassembly of the transmitter, where such disassembly is not normally required. The user manual must not show that user has access to the connector.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	Rohde & Schwarz	FSV3013	101550	10Hz~13.6GHz	Jan. 13,2025	Jun. 11,2025	Jan. 12,2026	TPC (DF02-HY)
Power Divider	MTJ	SMA 2Way Power Divider	MD10003	0.5GHz-6GHz	Calibration from System	Jun. 11,2025	Calibration from System	TPC (DF02-HY)
Power Divider	MTJ	SMA 2Way Power Divider	MD10007	0.5GHz-6GHz	Calibration from System	Jun. 11,2025	Calibration from System	TPC (DF02-HY)
Power Divider	MTJ	SMA 2Way Power Divider	MD10011	0.5GHz-6GHz	Calibration from System	Jun. 11,2025	Calibration from System	TPC (DF02-HY)
Power Divider	MTJ	SMA 2Way Power Divider	MD10016	0.5GHz-6GHz	Calibration from System	Jun. 11,2025	Calibration from System	TPC (DF02-HY)
Software 1	Sporton	DFS & Adaptivity Tools	N/A	Ver 1.0	NCR	Jun. 11,2025	NCR	TPC (DF02-HY)
RF Cable	MTJ	SBF405	30cm-01	30kHz~18GHz	Calibration from System	Jun. 11,2025	Calibration from System	TPC (DF02-HY)
RF Cable	MTJ	SBF405	30cm-09	30kHz~18GHz	Calibration from System	Jun. 11,2025	Calibration from System	TPC (DF02-HY)
RF Cable	EC	SS405	100cm-01	30kHz~18GHz	Calibration from System	Jun. 11,2025	Calibration from System	TPC (DF02-HY)
RF Cable	EC	SS405	100cm-03	30kHz~18GHz	Calibration from System	Jun. 11,2025	Calibration from System	TPC (DF02-HY)
RF Cable	EC	SS405	100cm-05	30kHz~18GHz	Calibration from System	Jun. 11,2025	Calibration from System	TPC (DF02-HY)
RF Cable	EC	SS405	100cm-10	30kHz~18GHz	Calibration from System	Jun. 11,2025	Calibration from System	TPC (DF02-HY)
RF Cable	EC	SS405	100cm-11	30kHz~18GHz	Calibration from System	Jun. 11,2025	Calibration from System	TPC (DF02-HY)
RF Cable	EC	SS405	150cm-#11	30kHz~18GHz	Calibration from System	Jun. 11,2025	Calibration from System	TPC (DF02-HY)
RF Cable	EC	SS405	150cm-#15	30kHz~18GHz	Calibration from System	Jun. 11,2025	Calibration from System	TPC (DF02-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jun. 11, 2025	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 10, 2024	Jun. 11, 2025	Dec. 09, 2025	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Oct. 14, 2024	Jun. 11, 2025	Oct. 13, 2025	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 14, 2024	Jun. 11, 2025	Nov. 13, 2025	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Jun. 11, 2025	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Jul. 30, 2024	Jun. 11, 2025	Jul. 29, 2025	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	MQT24082501	9KHz - 30MHz	Oct. 15, 2024	Jun. 11, 2025	Oct. 14, 2025	Conduction (CO05-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 01, 2024	Jun. 12, 2025~ Oct. 14, 2025	Oct. 31, 2025	Conducted (TH05-HY)
USB Power Sensor	DARE	RPR3008W	RPR8W- 23010013 (NO:100)	10MHz~8GHz	Jul. 26, 2024	Jun. 12, 2025~ Jul. 17, 2025	Jul. 25, 2025	Conducted (TH05-HY)
USB Power Sensor	DARE	RPR3008W	RPR8W- 23010013 (NO:100)	10MHz~8GHz	Jul. 18, 2025	Jul. 18, 2025~ Oct. 14, 2025	Jul. 17, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 23, 2024	Jun. 12, 2025~ Aug. 21, 2025	Aug. 22, 2025	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101565	10Hz~40GHz	Jan. 14, 2025	Aug. 22, 2025~ Oct. 14, 2025	Jan. 13, 2026	Conducted (TH05-HY)
Switch Control Mainframe	E-Instument	ETF-1405-0	EC1900157 (BOX6)	N/A	Feb. 10, 2025	Jun. 12, 2025~ Oct. 14, 2025	Feb. 09, 2026	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_v ersion_240513	N/A	Conducted Other Test Item	N/A	Jun. 12, 2025~ Oct. 14, 2025	N/A	Conducted (TH05-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
--	--------

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Willy Chang	Temperature:	21~25	°C
Test Date:	2025/6/12~2025/7/23	Relative Humidity:	51~54	%

<CDD Mode>

TEST RESULTS DATA
26dB and 99% OBW

U-NII-5 MIMO										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	001	5955	17.84	17.40	21.74	21.63	320.00	Pass
11a	6Mbps	2	049	6195	17.78	17.37	21.84	21.59	320.00	Pass
11a	6Mbps	2	093	6415	17.75	17.32	21.87	21.54	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-5 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	001	5955	6.20	5.81	9.02	-5.80		3.22	14.00	Pass
11a	6Mbps	2	049	6195	6.34	6.21	9.29	-5.80		3.49	14.00	Pass
11a	6Mbps	2	093	6415	6.12	6.21	9.18	-5.80		3.38	14.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-5 MIMO														
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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	001	5955	0.02	0.02			-1.77	-3.30		-5.07	-5.00	Pass
11a	6Mbps	2	049	6195	0.02	0.02			-1.80	-3.30		-5.10	-5.00	Pass
11a	6Mbps	2	093	6415	0.02	0.02			-1.87	-3.30		-5.17	-5.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-6 MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	097	6435	17.71	17.29	21.78	21.71	320.00	Pass
11a	6Mbps	2	105	6475	17.71	17.33	21.77	21.44	320.00	Pass
11a	6Mbps	2	113	6515	17.74	17.32	21.84	21.58	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-6 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3			
11a	6Mbps	2	097	6435	7.50	7.06	10.30	-6.30		4.00	14.00	Pass
11a	6Mbps	2	105	6475	7.46	7.04	10.27	-6.30		3.97	14.00	Pass
11a	6Mbps	2	113	6515	7.50	7.35	10.44	-6.30		4.14	14.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-6 MIMO														
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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	097	6435	0.02	0.02			-0.52	-4.50		-5.02	-5.00	Pass
11a	6Mbps	2	105	6475	0.02	0.02			-0.92	-4.50		-5.42	-5.00	Pass
11a	6Mbps	2	113	6515	0.02	0.02			-0.60	-4.50		-5.10	-5.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 MIMO										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	117	6535	18.06	17.48	21.84	21.58	320.00	Pass
11a	6Mbps	2	149	6695	18.10	17.54	21.83	21.72	320.00	Pass
11a	6Mbps	2	181	6855	18.19	17.73	21.72	21.71	320.00	Pass

U-NII-7 straddle channel MIMO										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	185	6875	18.53	17.90	21.82	21.74	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-7 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3			
11a	6Mbps	2	117	6535	3.47	4.24	6.88	-2.20		4.68	14.00	Pass
11a	6Mbps	2	149	6695	4.49	4.31	7.41	-2.20		5.21	14.00	Pass
11a	6Mbps	2	181	6855	4.16	3.97	7.08	-2.20		4.88	14.00	Pass

U-NII-7 straddle channel MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3			
11a	6Mbps	2	185	6875	3.34	3.17	6.27	-1.20		5.07	14.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-7 MIMO														
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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	117	6535	0.02	0.02			-4.25	-1.20		-5.45	-5.00	Pass
11a	6Mbps	2	149	6695	0.02	0.02			-4.38	-1.20		-5.58	-5.00	Pass
11a	6Mbps	2	181	6855	0.02	0.02			-4.33	-1.20		-5.53	-5.00	Pass

FCC U-NII-7 straddle channel MIMO														
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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	185	6875	0.02	0.02				-4.60	-0.60	-5.20	-5.00	Pass

TEST RESULTS DATA
26dB EBW and 99% OBW

U-NII-8 MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	189	6895	18.33	17.83	21.80	21.68	320.00	Pass
11a	6Mbps	2	209	6995	18.04	17.53	21.90	21.72	320.00	Pass
11a	6Mbps	2	229	7095	17.66	17.26	21.78	21.45	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-8 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3			
11a	6Mbps	2	189	6895	4.29	3.53	6.94	-1.20		5.74	14.00	Pass
11a	6Mbps	2	209	6995	4.33	3.43	6.91	-1.20		5.71	14.00	Pass
11a	6Mbps	2	229	7095	3.21	3.67	6.46	-1.20		5.26	14.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-8 MIMO														
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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	189	6895	0.02	0.02			-4.57	-0.60	-5.17	-5.00	Pass	
11a	6Mbps	2	209	6995	0.02	0.02			-4.54	-0.60	-5.14	-5.00	Pass	
11a	6Mbps	2	229	7095	0.02	0.02			-5.05	-0.60	-5.65	-5.00	Pass	

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 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	001	5955	Full	19.18	19.16	22.02	21.61	320.00	Pass
HE20	MCS0	2	049	6195	Full	19.17	19.16	21.98	21.69	320.00	Pass
HE20	MCS0	2	093	6415	Full	19.18	19.15	21.84	21.70	320.00	Pass
HE40	MCS0	2	003	5965	Full	37.62	37.64	40.66	40.58	320.00	Pass
HE40	MCS0	2	051	6205	Full	37.57	37.54	40.59	40.50	320.00	Pass
HE40	MCS0	2	091	6405	Full	37.58	37.55	40.50	40.50	320.00	Pass
HE80	MCS0	2	007	5985	Full	77.06	77.10	82.69	82.91	320.00	Pass
HE80	MCS0	2	055	6225	Full	77.00	77.02	82.75	82.46	320.00	Pass
HE80	MCS0	2	087	6385	Full	77.04	77.12	82.62	88.42	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 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	001	5955	Full	6.83	6.11	9.50	-5.80		3.70	14.00	Pass
HE20	MCS0	2	001	5955	26/0	-2.10	-1.67	1.13	-5.80		-4.67	14.00	Pass
HE20	MCS0	2	001	5955	52/37	0.92	1.11	4.03	-5.80		-1.77	14.00	Pass
HE20	MCS0	2	001	5955	106/53	4.30	4.03	7.18	-5.80		1.38	14.00	Pass
HE20	MCS0	2	049	6195	Full	6.79	6.71	9.76	-5.80		3.96	14.00	Pass
HE20	MCS0	2	049	6195	26/4	-0.89	0.07	2.63	-5.80		-3.17	14.00	Pass
HE20	MCS0	2	049	6195	52/38	0.76	1.58	4.20	-5.80		-1.60	14.00	Pass
HE20	MCS0	2	049	6195	106/53	3.50	4.41	6.99	-5.80		1.19	14.00	Pass
HE20	MCS0	2	093	6415	Full	6.74	6.26	9.52	-5.80		3.72	14.00	Pass
HE20	MCS0	2	093	6415	26/8	-0.23	-0.55	2.62	-5.80		-3.18	14.00	Pass
HE20	MCS0	2	093	6415	52/40	0.19	1.08	3.67	-5.80		-2.13	14.00	Pass
HE20	MCS0	2	093	6415	106/54	3.32	4.41	6.91	-5.80		1.11	14.00	Pass
HE40	MCS0	2	003	5965	Full	9.27	9.03	12.16	-5.80		6.36	14.00	Pass
HE40	MCS0	2	051	6205	Full	9.36	9.22	12.30	-5.80		6.50	14.00	Pass
HE40	MCS0	2	091	6405	Full	9.24	9.36	12.31	-5.80		6.51	14.00	Pass
HE80	MCS0	2	007	5985	Full	12.36	12.73	15.56	-5.80		9.76	14.00	Pass
HE80	MCS0	2	055	6225	Full	12.33	13.00	15.69	-5.80		9.89	14.00	Pass
HE80	MCS0	2	087	6385	Full	12.60	13.00	15.81	-5.80		10.01	14.00	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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	001	5955	Full	0.03	0.03			-1.84	-3.30	-5.14	-5.00	Pass	
HE20	MCS0	2	001	5955	26/0	0.09	0.09			-1.89	-3.30	-5.19	-5.00	Pass	
HE20	MCS0	2	001	5955	52/37	0.09	0.09			-1.86	-3.30	-5.16	-5.00	Pass	
HE20	MCS0	2	001	5955	106/53	0.10	0.10			-2.00	-3.30	-5.30	-5.00	Pass	
HE20	MCS0	2	049	6195	Full	0.03	0.03			-1.72	-3.30	-5.02	-5.00	Pass	
HE20	MCS0	2	049	6195	26/4	0.09	0.09			-1.89	-3.30	-5.19	-5.00	Pass	
HE20	MCS0	2	049	6195	52/38	0.09	0.09			-1.89	-3.30	-5.19	-5.00	Pass	
HE20	MCS0	2	049	6195	106/53	0.10	0.10			-1.87	-3.30	-5.17	-5.00	Pass	
HE20	MCS0	2	093	6415	Full	0.03	0.03			-1.77	-3.30	-5.07	-5.00	Pass	
HE20	MCS0	2	093	6415	26/8	0.09	0.09			-1.93	-3.30	-5.23	-5.00	Pass	
HE20	MCS0	2	093	6415	52/40	0.09	0.09			-2.02	-3.30	-5.32	-5.00	Pass	
HE20	MCS0	2	093	6415	106/54	0.10	0.10			-1.96	-3.30	-5.26	-5.00	Pass	
HE40	MCS0	2	003	5965	Full	0.06	0.06			-2.20	-3.30	-5.50	-5.00	Pass	
HE40	MCS0	2	051	6205	Full	0.06	0.06			-1.88	-3.30	-5.18	-5.00	Pass	
HE40	MCS0	2	091	6405	Full	0.06	0.06			-2.29	-3.30	-5.59	-5.00	Pass	
HE80	MCS0	2	007	5985	Full	0.12	0.12			-1.96	-3.30	-5.26	-5.00	Pass	
HE80	MCS0	2	055	6225	Full	0.12	0.12		-2.08	-3.30	-5.38	-5.00	Pass		
HE80	MCS0	2	087	6385	Full	0.12	0.12		-1.71	-3.30	-5.01	-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 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	097	6435	Full	19.17	19.14	21.82	21.49	320.00	Pass
HE20	MCS0	2	105	6475	Full	19.19	19.15	21.98	21.78	320.00	Pass
HE20	MCS0	2	113	6515	Full	19.18	19.16	21.71	21.86	320.00	Pass
HE40	MCS0	2	099	6445	Full	37.60	37.53	40.64	40.51	320.00	Pass
HE40	MCS0	2	107	6485	Full	37.57	37.58	40.64	40.43	320.00	Pass
HE80	MCS0	2	103	6465	Full	77.12	77.15	87.78	88.86	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 4	Ant 3	Ant 4	Ant 3		
HE40	MCS0	2	115	6525	Full	37.68	37.69	40.43	40.77	320.00	Pass
HE80	MCS0	2	119	6545	Full	77.03	76.97	82.78	82.69	320.00	Pass

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 4	Ant 3	SUM	Ant 4	Ant 3			
HE20	MCS0	2	097	6435	Full	8.10	7.85	10.99	-6.30		4.69	14.00	Pass
HE20	MCS0	2	097	6435	26/0	-0.59	-0.55	2.44	-6.30		-3.86	14.00	Pass
HE20	MCS0	2	097	6435	52/37	2.08	2.54	5.33	-6.30		-0.97	14.00	Pass
HE20	MCS0	2	097	6435	106/53	4.68	5.14	7.93	-6.30		1.63	14.00	Pass
HE20	MCS0	2	105	6475	Full	8.03	7.76	10.91	-6.30		4.61	14.00	Pass
HE20	MCS0	2	105	6475	26/4	-0.35	0.15	2.92	-6.30		-3.38	14.00	Pass
HE20	MCS0	2	105	6475	52/38	1.62	2.02	4.83	-6.30		-1.47	14.00	Pass
HE20	MCS0	2	105	6475	106/53	4.96	4.92	7.95	-6.30		1.65	14.00	Pass
HE20	MCS0	2	113	6515	Full	8.18	7.71	10.96	-6.30		4.66	14.00	Pass
HE20	MCS0	2	113	6515	26/8	-1.27	-0.88	1.94	-6.30		-4.36	14.00	Pass
HE20	MCS0	2	113	6515	52/40	1.47	1.66	4.58	-6.30		-1.72	14.00	Pass
HE20	MCS0	2	113	6515	106/54	4.41	4.89	7.67	-6.30		1.37	14.00	Pass
HE40	MCS0	2	099	6445	Full	10.81	10.40	13.62	-6.30		7.32	14.00	Pass
HE40	MCS0	2	107	6485	Full	11.00	10.49	13.76	-6.30		7.46	14.00	Pass
HE80	MCS0	2	103	6465	Full	13.93	13.77	16.86	-6.30		10.56	14.00	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 4	Ant 3	SUM	Ant 4	Ant 3			
HE40	MCS0	2	115	6525	Full	7.24	6.96	10.11	-2.20		7.91	14.00	Pass
HE80	MCS0	2	119	6545	Full	9.54	10.23	12.91	-2.20		10.71	14.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-6 MIMO															
Mod.	Data Rate	N _{TX}	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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	097	6435	Full	0.03	0.03		-0.60	-4.50	-5.10	-5.00	Pass		
HE20	MCS0	2	097	6435	26/0	0.09	0.09		-0.65	-4.50	-5.15	-5.00	Pass		
HE20	MCS0	2	097	6435	52/37	0.09	0.09		-0.70	-4.50	-5.20	-5.00	Pass		
HE20	MCS0	2	097	6435	106/53	0.10	0.10		-1.08	-4.50	-5.58	-5.00	Pass		
HE20	MCS0	2	105	6475	Full	0.03	0.03		-0.82	-4.50	-5.32	-5.00	Pass		
HE20	MCS0	2	105	6475	26/4	0.09	0.09		-1.03	-4.50	-5.53	-5.00	Pass		
HE20	MCS0	2	105	6475	52/38	0.09	0.09		-0.99	-4.50	-5.49	-5.00	Pass		
HE20	MCS0	2	105	6475	106/53	0.10	0.10		-1.00	-4.50	-5.50	-5.00	Pass		
HE20	MCS0	2	113	6515	Full	0.03	0.03		-0.70	-4.50	-5.20	-5.00	Pass		
HE20	MCS0	2	113	6515	26/8	0.09	0.09		-0.78	-4.50	-5.28	-5.00	Pass		
HE20	MCS0	2	113	6515	52/40	0.09	0.09		-1.18	-4.50	-5.68	-5.00	Pass		
HE20	MCS0	2	113	6515	106/54	0.10	0.10		-1.17	-4.50	-5.67	-5.00	Pass		
HE40	MCS0	2	099	6445	Full	0.06	0.06		-0.68	-4.50	-5.18	-5.00	Pass		
HE40	MCS0	2	107	6485	Full	0.06	0.06		-0.69	-4.50	-5.19	-5.00	Pass		
HE80	MCS0	2	103	6465	Full	0.12	0.12	-0.60	-4.50	-5.10	-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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE40	MCS0	2	115	6525	Full	0.06	0.06				-3.92	-1.20	-5.12	-5.00	Pass
HE80	MCS0	2	119	6545	Full	0.12	0.12				-3.96	-1.20	-5.16	-5.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 MIMO											
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	117	6535	Full	19.26	19.19	21.78	21.81	320.00	Pass
HE20	MCS0	2	149	6695	Full	19.24	19.19	21.82	21.54	320.00	Pass
HE20	MCS0	2	181	6855	Full	19.27	19.22	21.95	21.78	320.00	Pass
HE40	MCS0	2	123	6565	Full	37.66	37.63	40.56	40.42	320.00	Pass
HE40	MCS0	2	147	6685	Full	37.66	37.64	40.50	40.62	320.00	Pass
HE40	MCS0	2	179	6845	Full	37.67	37.62	40.56	40.62	320.00	Pass
HE80	MCS0	2	135	6625	Full	77.02	76.96	82.94	83.20	320.00	Pass
HE80	MCS0	2	151	6705	Full	77.00	77.06	82.88	82.82	320.00	Pass
HE80	MCS0	2	167	6785	Full	76.96	77.01	82.82	82.43	320.00	Pass

U-NII-7 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 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	185	6875	Full	19.33	19.31	21.80	21.61	320.00	Pass
HE40	MCS0	2	187	6885	Full	37.81	37.81	40.58	40.70	320.00	Pass
HE80	MCS0	2	183	6865	Full	77.04	77.04	83.01	82.72	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 4	Ant 3	SUM	Ant 4	Ant 3			
HE20	MCS0	2	117	6535	Full	4.53	4.90	7.73	-2.20		5.53	14.00	Pass
HE20	MCS0	2	117	6535	26/0	-4.68	-3.49	-1.03	-2.20		-3.23	14.00	Pass
HE20	MCS0	2	117	6535	52/37	-1.78	-0.59	1.87	-2.20		-0.33	14.00	Pass
HE20	MCS0	2	117	6535	106/53	1.10	1.53	4.33	-2.20		2.13	14.00	Pass
HE20	MCS0	2	149	6695	Full	4.84	4.87	7.87	-2.20		5.67	14.00	Pass
HE20	MCS0	2	149	6695	26/4	-3.43	-3.13	-0.27	-2.20		-2.47	14.00	Pass
HE20	MCS0	2	149	6695	52/38	-1.34	-1.20	1.74	-2.20		-0.46	14.00	Pass
HE20	MCS0	2	149	6695	106/53	1.14	1.46	4.31	-2.20		2.11	14.00	Pass
HE20	MCS0	2	181	6855	Full	4.35	4.59	7.48	-2.20		5.28	14.00	Pass
HE20	MCS0	2	181	6855	26/8	-4.31	-4.47	-1.38	-2.20		-3.58	14.00	Pass
HE20	MCS0	2	181	6855	52/40	-1.35	-1.51	1.58	-2.20		-0.62	14.00	Pass
HE20	MCS0	2	181	6855	106/54	1.76	1.48	4.63	-2.20		2.43	14.00	Pass
HE40	MCS0	2	123	6565	Full	7.23	7.23	10.24	-2.20		8.04	14.00	Pass
HE40	MCS0	2	147	6685	Full	7.50	7.19	10.36	-2.20		8.16	14.00	Pass
HE40	MCS0	2	179	6845	Full	7.21	7.19	10.21	-2.20		8.01	14.00	Pass
HE80	MCS0	2	135	6625	Full	9.76	10.50	13.16	-2.20		10.96	14.00	Pass
HE80	MCS0	2	151	6705	Full	9.97	10.41	13.21	-2.20		11.01	14.00	Pass
HE80	MCS0	2	167	6785	Full	10.50	10.23	13.38	-2.20		11.18	14.00	Pass

U-NII-7 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 4	Ant 3	SUM	Ant 4	Ant 3			
HE20	MCS0	2	185	6875	Full	3.58	3.52	6.56	-1.20		5.36	14.00	Pass
HE20	MCS0	2	185	6875	26/8	-3.51	-3.71	-0.60	-1.20		-1.80	14.00	Pass
HE20	MCS0	2	185	6875	52/40	-1.64	-2.31	1.05	-1.20		-0.15	14.00	Pass
HE20	MCS0	2	185	6875	106/54	0.95	0.72	3.85	-1.20		2.65	14.00	Pass
HE40	MCS0	2	187	6885	Full	6.60	6.24	9.43	-1.20		8.23	14.00	Pass
HE80	MCS0	2	183	6865	Full	9.50	9.45	12.49	-1.20		11.29	14.00	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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	117	6535	Full	0.03	0.03			-3.93	-1.20	-5.13	-5.00	Pass	
HE20	MCS0	2	117	6535	26/0	0.09	0.09			-4.05	-1.20	-5.25	-5.00	Pass	
HE20	MCS0	2	117	6535	52/37	0.09	0.09			-4.00	-1.20	-5.20	-5.00	Pass	
HE20	MCS0	2	117	6535	106/53	0.10	0.10			-4.07	-1.20	-5.27	-5.00	Pass	
HE20	MCS0	2	149	6695	Full	0.03	0.03			-4.09	-1.20	-5.29	-5.00	Pass	
HE20	MCS0	2	149	6695	26/4	0.09	0.09			-4.21	-1.20	-5.41	-5.00	Pass	
HE20	MCS0	2	149	6695	52/38	0.09	0.09			-4.30	-1.20	-5.50	-5.00	Pass	
HE20	MCS0	2	149	6695	106/53	0.10	0.10			-4.43	-1.20	-5.63	-5.00	Pass	
HE20	MCS0	2	181	6855	Full	0.03	0.03			-4.03	-1.20	-5.23	-5.00	Pass	
HE20	MCS0	2	181	6855	26/8	0.09	0.09			-4.05	-1.20	-5.25	-5.00	Pass	
HE20	MCS0	2	181	6855	52/40	0.09	0.09			-4.11	-1.20	-5.31	-5.00	Pass	
HE20	MCS0	2	181	6855	106/54	0.10	0.10			-4.08	-1.20	-5.28	-5.00	Pass	
HE40	MCS0	2	123	6565	Full	0.06	0.06			-4.04	-1.20	-5.24	-5.00	Pass	
HE40	MCS0	2	147	6685	Full	0.06	0.06			-4.08	-1.20	-5.28	-5.00	Pass	
HE40	MCS0	2	179	6845	Full	0.06	0.06			-4.38	-1.20	-5.58	-5.00	Pass	
HE80	MCS0	2	135	6625	Full	0.12	0.12			-4.12	-1.20	-5.32	-5.00	Pass	
HE80	MCS0	2	151	6705	Full	0.12	0.12		-4.05	-1.20	-5.25	-5.00	Pass		
HE80	MCS0	2	167	6785	Full	0.12	0.12		-4.01	-1.20	-5.21	-5.00	Pass		

U-NII-7 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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	185	6875	Full	0.03	0.03			-4.79	-0.60		-5.39	-5.00	Pass
HE20	MCS0	2	185	6875	26/8	0.09	0.09			-4.83	-0.60		-5.43	-5.00	Pass
HE20	MCS0	2	185	6875	52/40	0.09	0.09			-4.85	-0.60		-5.45	-5.00	Pass
HE20	MCS0	2	185	6875	106/54	0.10	0.10			-5.02	-0.60		-5.62	-5.00	Pass
HE40	MCS0	2	187	6885	Full	0.06	0.06			-4.77	-0.60		-5.37	-5.00	Pass
HE80	MCS0	2	183	6865	Full	0.12	0.12			-4.55	-0.60		-5.15	-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 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	189	6895	Full	19.30	19.26	21.78	21.75	320.00	Pass
HE20	MCS0	2	209	6995	Full	19.26	19.21	22.13	21.99	320.00	Pass
HE20	MCS0	2	229	7095	Full	19.17	19.15	21.62	21.82	320.00	Pass
HE40	MCS0	2	195	6925	Full	37.72	37.77	40.83	40.46	320.00	Pass
HE40	MCS0	2	211	7005	Full	37.56	37.59	40.82	40.35	320.00	Pass
HE40	MCS0	2	227	7085	Full	37.57	37.57	40.75	40.59	320.00	Pass
HE80	MCS0	2	199	6945	Full	76.89	76.90	82.91	82.98	320.00	Pass
HE80	MCS0	2	215	7025	Full	76.72	76.82	82.34	82.75	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 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	189	6895	Full	4.50	3.89	7.22	-1.20		6.02	14.00	Pass
HE20	MCS0	2	189	6895	26/0	-4.96	-4.90	-1.92	-1.20		-3.12	14.00	Pass
HE20	MCS0	2	189	6895	52/37	-1.44	-1.88	1.36	-1.20		0.16	14.00	Pass
HE20	MCS0	2	189	6895	106/53	1.08	0.68	3.89	-1.20		2.69	14.00	Pass
HE20	MCS0	2	209	6995	Full	4.50	3.80	7.17	-1.20		5.97	14.00	Pass
HE20	MCS0	2	209	6995	26/4	-3.88	-4.79	-1.30	-1.20		-2.50	14.00	Pass
HE20	MCS0	2	209	6995	52/38	-1.96	-2.31	0.88	-1.20		-0.32	14.00	Pass
HE20	MCS0	2	209	6995	106/53	0.72	0.88	3.81	-1.20		2.61	14.00	Pass
HE20	MCS0	2	229	7095	Full	3.81	3.86	6.85	-1.20		5.65	14.00	Pass
HE20	MCS0	2	229	7095	26/8	-5.41	-5.34	-2.36	-1.20		-3.56	14.00	Pass
HE20	MCS0	2	229	7095	52/40	-2.68	-1.94	0.72	-1.20		-0.48	14.00	Pass
HE20	MCS0	2	229	7095	106/54	0.10	0.64	3.39	-1.20		2.19	14.00	Pass
HE40	MCS0	2	195	6925	Full	7.50	6.55	10.06	-1.20		8.86	14.00	Pass
HE40	MCS0	2	211	7005	Full	7.44	6.50	10.01	-1.20		8.81	14.00	Pass
HE40	MCS0	2	227	7085	Full	7.85	7.57	10.72	-1.20		9.52	14.00	Pass
HE80	MCS0	2	199	6945	Full	10.34	9.89	13.13	-1.20		11.93	14.00	Pass
HE80	MCS0	2	215	7025	Full	10.05	9.86	12.97	-1.20		11.77	14.00	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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	189	6895	Full	0.03	0.03			-4.81	-0.60	-5.41	-5.00	Pass	
HE20	MCS0	2	189	6895	26/0	0.09	0.09			-4.90	-0.60	-5.50	-5.00	Pass	
HE20	MCS0	2	189	6895	52/37	0.09	0.09			-4.89	-0.60	-5.49	-5.00	Pass	
HE20	MCS0	2	189	6895	106/53	0.10	0.10			-4.88	-0.60	-5.48	-5.00	Pass	
HE20	MCS0	2	209	6995	Full	0.03	0.03			-4.79	-0.60	-5.39	-5.00	Pass	
HE20	MCS0	2	209	6995	26/4	0.09	0.09			-4.95	-0.60	-5.55	-5.00	Pass	
HE20	MCS0	2	209	6995	52/38	0.09	0.09			-4.83	-0.60	-5.43	-5.00	Pass	
HE20	MCS0	2	209	6995	106/53	0.10	0.10			-5.05	-0.60	-5.65	-5.00	Pass	
HE20	MCS0	2	229	7095	Full	0.03	0.03			-4.52	-0.60	-5.12	-5.00	Pass	
HE20	MCS0	2	229	7095	26/8	0.09	0.09			-4.62	-0.60	-5.22	-5.00	Pass	
HE20	MCS0	2	229	7095	52/40	0.09	0.09			-4.72	-0.60	-5.32	-5.00	Pass	
HE20	MCS0	2	229	7095	106/54	0.10	0.10			-4.82	-0.60	-5.42	-5.00	Pass	
HE40	MCS0	2	195	6925	Full	0.06	0.06			-4.72	-0.60	-5.32	-5.00	Pass	
HE40	MCS0	2	211	7005	Full	0.06	0.06			-4.70	-0.60	-5.30	-5.00	Pass	
HE40	MCS0	2	227	7085	Full	0.06	0.06			-4.55	-0.60	-5.15	-5.00	Pass	
HE80	MCS0	2	199	6945	Full	0.12	0.12			-4.56	-0.60	-5.16	-5.00	Pass	
HE80	MCS0	2	215	7025	Full	0.12	0.12		-4.64	-0.60	-5.24	-5.00	Pass		

A1. Conducted Test Results

Test Engineer:	Willy Chang	Temperature:	21~25	°C
Test Date:	2025/6/12~2025/7/15	Relative Humidity:	51~54	%

<SDM Mode>

TEST RESULTS DATA
26dB and 99% OBW

U-NII-5 MIMO										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	001	5955	17.68	17.30	21.74	21.74	320.00	Pass
11a	6Mbps	2	049	6195	17.67	17.29	21.91	21.70	320.00	Pass
11a	6Mbps	2	093	6415	17.65	17.25	21.81	21.67	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-5 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	001	5955	8.26	8.02	11.15	-5.80		5.35	14.00	Pass
11a	6Mbps	2	049	6195	8.36	8.47	11.43	-5.80		5.63	14.00	Pass
11a	6Mbps	2	093	6415	8.50	8.41	11.47	-5.80		5.67	14.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-5 MIMO														
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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	001	5955	0.02	0.02			0.65	-5.80		-5.15	-5.00	Pass
11a	6Mbps	2	049	6195	0.02	0.02			0.71	-5.80		-5.09	-5.00	Pass
11a	6Mbps	2	093	6415	0.02	0.02			0.75	-5.80		-5.05	-5.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-6 MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	097	6435	17.72	17.35	21.83	21.46	320.00	Pass
11a	6Mbps	2	105	6475	17.63	17.25	21.76	21.56	320.00	Pass
11a	6Mbps	2	113	6515	17.62	17.26	21.82	21.48	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-6 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3			
11a	6Mbps	2	097	6435	8.93	8.79	11.87	-6.30		5.57	14.00	Pass
11a	6Mbps	2	105	6475	9.00	8.55	11.79	-6.30		5.49	14.00	Pass
11a	6Mbps	2	113	6515	8.46	8.52	11.50	-6.30		5.20	14.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-6 MIMO														
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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	097	6435	0.02	0.02				1.29	-6.30	-5.01	-5.00	Pass
11a	6Mbps	2	105	6475	0.02	0.02				1.10	-6.30	-5.20	-5.00	Pass
11a	6Mbps	2	113	6515	0.02	0.02				0.99	-6.30	-5.31	-5.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 MIMO										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	117	6535	17.99	17.48	21.65	21.82	320.00	Pass
11a	6Mbps	2	149	6695	17.99	17.49	21.68	21.78	320.00	Pass
11a	6Mbps	2	181	6855	18.05	17.52	21.83	21.64	320.00	Pass

U-NII-7 straddle channel MIMO										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	185	6875	18.27	17.73	21.86	21.41	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-7 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3			
11a	6Mbps	2	117	6535	4.20	5.00	7.63	-2.20		5.43	14.00	Pass
11a	6Mbps	2	149	6695	4.21	4.66	7.45	-2.20		5.25	14.00	Pass
11a	6Mbps	2	181	6855	4.74	4.78	7.77	-2.20		5.57	14.00	Pass

U-NII-7 straddle channel MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3			
11a	6Mbps	2	185	6875	3.45	3.54	6.51	-1.20		5.31	14.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-7 MIMO														
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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	117	6535	0.02	0.02			-2.92	-2.20		-5.12	-5.00	Pass
11a	6Mbps	2	149	6695	0.02	0.02			-3.17	-2.20		-5.37	-5.00	Pass
11a	6Mbps	2	181	6855	0.02	0.02			-2.95	-2.20		-5.15	-5.00	Pass

FCC U-NII-7 straddle channel MIMO														
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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	185	6875	0.02	0.02			-4.30	-1.20		-5.50	-5.00	Pass

TEST RESULTS DATA
26dB EBW and 99% OBW

U-NII-8 MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	189	6895	18.19	17.75	21.78	21.44	320.00	Pass
11a	6Mbps	2	209	6995	18.33	17.77	21.81	21.90	320.00	Pass
11a	6Mbps	2	229	7095	17.71	17.33	21.77	21.60	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-8 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	189	6895	4.00	3.71	6.87	-1.20		5.67	14.00	Pass
11a	6Mbps	2	209	6995	3.55	3.54	6.56	-1.20		5.36	14.00	Pass
11a	6Mbps	2	229	7095	4.05	4.16	7.12	-1.20		5.92	14.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-8 MIMO														
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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	189	6895	0.02	0.02			-3.95	-1.20	-5.15	-5.00	Pass	
11a	6Mbps	2	209	6995	0.02	0.02			-4.17	-1.20	-5.37	-5.00	Pass	
11a	6Mbps	2	229	7095	0.02	0.02			-4.10	-1.20	-5.30	-5.00	Pass	

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 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	001	5955	Full	19.15	19.11	21.86	21.66	320.00	Pass
HE20	MCS0	2	049	6195	Full	19.15	19.13	21.82	21.54	320.00	Pass
HE20	MCS0	2	093	6415	Full	19.15	19.11	21.87	21.68	320.00	Pass
HE40	MCS0	2	003	5965	Full	37.65	37.63	42.00	42.99	320.00	Pass
HE40	MCS0	2	051	6205	Full	37.59	37.57	40.72	40.82	320.00	Pass
HE40	MCS0	2	091	6405	Full	37.60	37.59	40.59	40.72	320.00	Pass
HE80	MCS0	2	007	5985	Full	77.90	78.05	136.00	141.15	320.00	Pass
HE80	MCS0	2	055	6225	Full	77.78	77.91	142.18	144.26	320.00	Pass
HE80	MCS0	2	087	6385	Full	77.74	78.40	129.86	159.17	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 4	Ant 3	SUM	Ant 4	Ant 3			
HE20	MCS0	2	001	5955	Full	9.12	8.90	12.02	-5.80		6.22	14.00	Pass
HE20	MCS0	2	001	5955	26/0	0.85	0.28	3.58	-5.80		-2.22	14.00	Pass
HE20	MCS0	2	001	5955	52/37	3.44	2.98	6.23	-5.80		0.43	14.00	Pass
HE20	MCS0	2	001	5955	106/53	6.65	6.08	9.38	-5.80		3.58	14.00	Pass
HE20	MCS0	2	049	6195	Full	9.46	9.36	12.42	-5.80		6.62	14.00	Pass
HE20	MCS0	2	049	6195	26/4	1.41	1.25	4.34	-5.80		-1.46	14.00	Pass
HE20	MCS0	2	049	6195	52/38	3.26	2.87	6.08	-5.80		0.28	14.00	Pass
HE20	MCS0	2	049	6195	106/53	6.39	6.09	9.25	-5.80		3.45	14.00	Pass
HE20	MCS0	2	093	6415	Full	9.44	9.28	12.37	-5.80		6.57	14.00	Pass
HE20	MCS0	2	093	6415	26/8	0.34	0.07	3.22	-5.80		-2.58	14.00	Pass
HE20	MCS0	2	093	6415	52/40	2.95	2.66	5.82	-5.80		0.02	14.00	Pass
HE20	MCS0	2	093	6415	106/54	6.07	5.78	8.94	-5.80		3.14	14.00	Pass
HE40	MCS0	2	003	5965	Full	13.00	12.47	15.75	-5.80		9.95	14.00	Pass
HE40	MCS0	2	051	6205	Full	12.47	12.71	15.60	-5.80		9.80	14.00	Pass
HE40	MCS0	2	091	6405	Full	12.14	12.72	15.45	-5.80		9.65	14.00	Pass
HE80	MCS0	2	007	5985	Full	12.70	13.54	16.15	-5.80		10.35	14.00	Pass
HE80	MCS0	2	055	6225	Full	15.32	15.71	18.53	-5.80		12.73	14.00	Pass
HE80	MCS0	2	087	6385	Full	15.12	15.81	18.49	-5.80		12.69	14.00	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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	001	5955	Full	0.03	0.03			0.78	-5.80	-5.02	-5.00	Pass	
HE20	MCS0	2	001	5955	26/0	0.09	0.09			0.56	-5.80	-5.24	-5.00	Pass	
HE20	MCS0	2	001	5955	52/37	0.09	0.09			0.57	-5.80	-5.23	-5.00	Pass	
HE20	MCS0	2	001	5955	106/53	0.10	0.10			0.58	-5.80	-5.22	-5.00	Pass	
HE20	MCS0	2	049	6195	Full	0.03	0.03			0.57	-5.80	-5.23	-5.00	Pass	
HE20	MCS0	2	049	6195	26/4	0.09	0.09			0.46	-5.80	-5.34	-5.00	Pass	
HE20	MCS0	2	049	6195	52/38	0.09	0.09			0.41	-5.80	-5.39	-5.00	Pass	
HE20	MCS0	2	049	6195	106/53	0.10	0.10			0.47	-5.80	-5.33	-5.00	Pass	
HE20	MCS0	2	093	6415	Full	0.03	0.03			0.57	-5.80	-5.23	-5.00	Pass	
HE20	MCS0	2	093	6415	26/8	0.09	0.09			0.48	-5.80	-5.33	-5.00	Pass	
HE20	MCS0	2	093	6415	52/40	0.09	0.09			0.28	-5.80	-5.52	-5.00	Pass	
HE20	MCS0	2	093	6415	106/54	0.10	0.10			0.29	-5.80	-5.51	-5.00	Pass	
HE40	MCS0	2	003	5965	Full	0.05	0.05			0.76	-5.80	-5.04	-5.00	Pass	
HE40	MCS0	2	051	6205	Full	0.05	0.05			0.72	-5.80	-5.08	-5.00	Pass	
HE40	MCS0	2	091	6405	Full	0.05	0.05			0.70	-5.80	-5.10	-5.00	Pass	
HE80	MCS0	2	007	5985	Full	0.12	0.12			-0.42	-5.80	-6.22	-5.00	Pass	
HE80	MCS0	2	055	6225	Full	0.12	0.12		0.71	-5.80	-5.09	-5.00	Pass		
HE80	MCS0	2	087	6385	Full	0.12	0.12		0.46	-5.80	-5.34	-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 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	097	6435	Full	19.16	19.12	21.87	21.77	320.00	Pass
HE20	MCS0	2	105	6475	Full	19.16	19.14	21.71	21.62	320.00	Pass
HE20	MCS0	2	113	6515	Full	19.16	19.11	21.74	21.71	320.00	Pass
HE40	MCS0	2	099	6445	Full	37.70	37.65	40.77	44.16	320.00	Pass
HE40	MCS0	2	107	6485	Full	37.65	37.67	42.77	43.26	320.00	Pass
HE80	MCS0	2	103	6465	Full	77.79	77.86	136.00	140.29	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 4	Ant 3	Ant 4	Ant 3		
HE40	MCS0	2	115	6525	Full	37.62	37.61	40.75	40.54	320.00	Pass
HE80	MCS0	2	119	6545	Full	77.00	77.08	83.10	82.75	320.00	Pass

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 4	Ant 3	SUM	Ant 4	Ant 3			
HE20	MCS0	2	097	6435	Full	10.47	9.95	13.23	-6.30		6.93	14.00	Pass
HE20	MCS0	2	097	6435	26/0	0.62	0.96	3.80	-6.30		-2.50	14.00	Pass
HE20	MCS0	2	097	6435	52/37	3.84	4.15	7.01	-6.30		0.71	14.00	Pass
HE20	MCS0	2	097	6435	106/53	6.45	6.60	9.54	-6.30		3.24	14.00	Pass
HE20	MCS0	2	105	6475	Full	10.08	9.72	12.91	-6.30		6.61	14.00	Pass
HE20	MCS0	2	105	6475	26/4	1.72	2.06	4.90	-6.30		-1.40	14.00	Pass
HE20	MCS0	2	105	6475	52/38	3.68	3.91	6.81	-6.30		0.51	14.00	Pass
HE20	MCS0	2	105	6475	106/53	6.14	6.91	9.55	-6.30		3.25	14.00	Pass
HE20	MCS0	2	113	6515	Full	10.20	9.90	13.06	-6.30		6.76	14.00	Pass
HE20	MCS0	2	113	6515	26/8	0.71	0.64	3.69	-6.30		-2.61	14.00	Pass
HE20	MCS0	2	113	6515	52/40	3.10	3.51	6.32	-6.30		0.02	14.00	Pass
HE20	MCS0	2	113	6515	106/54	6.27	6.75	9.53	-6.30		3.23	14.00	Pass
HE40	MCS0	2	099	6445	Full	13.42	13.18	16.31	-6.30		10.01	14.00	Pass
HE40	MCS0	2	107	6485	Full	13.04	12.81	15.94	-6.30		9.64	14.00	Pass
HE80	MCS0	2	103	6465	Full	15.86	15.78	18.83	-6.30		12.53	14.00	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 4	Ant 3	SUM	Ant 4	Ant 3			
HE40	MCS0	2	115	6525	Full	8.79	8.75	11.78	-2.20		9.58	14.00	Pass
HE80	MCS0	2	119	6545	Full	11.17	12.25	14.75	-2.20		12.55	14.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-6 MIMO															
Mod.	Data Rate	N _{TX}	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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	097	6435	Full	0.03	0.03		1.15	-6.30	-5.15	-5.00	Pass		
HE20	MCS0	2	097	6435	26/0	0.09	0.09		0.89	-6.30	-5.41	-5.00	Pass		
HE20	MCS0	2	097	6435	52/37	0.09	0.09		0.91	-6.30	-5.39	-5.00	Pass		
HE20	MCS0	2	097	6435	106/53	0.10	0.10		0.78	-6.30	-5.52	-5.00	Pass		
HE20	MCS0	2	105	6475	Full	0.03	0.03		0.99	-6.30	-5.31	-5.00	Pass		
HE20	MCS0	2	105	6475	26/4	0.09	0.09		0.93	-6.30	-5.37	-5.00	Pass		
HE20	MCS0	2	105	6475	52/38	0.09	0.09		0.98	-6.30	-5.32	-5.00	Pass		
HE20	MCS0	2	105	6475	106/53	0.10	0.10		0.78	-6.30	-5.52	-5.00	Pass		
HE20	MCS0	2	113	6515	Full	0.03	0.03		1.14	-6.30	-5.16	-5.00	Pass		
HE20	MCS0	2	113	6515	26/8	0.09	0.09		0.74	-6.30	-5.56	-5.00	Pass		
HE20	MCS0	2	113	6515	52/40	0.09	0.09		0.70	-6.30	-5.60	-5.00	Pass		
HE20	MCS0	2	113	6515	106/54	0.10	0.10		0.70	-6.30	-5.60	-5.00	Pass		
HE40	MCS0	2	099	6445	Full	0.05	0.05		1.17	-6.30	-5.14	-5.00	Pass		
HE40	MCS0	2	107	6485	Full	0.05	0.05		0.95	-6.30	-5.36	-5.00	Pass		
HE80	MCS0	2	103	6465	Full	0.12	0.12	1.22	-6.30	-5.08	-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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE40	MCS0	2	115	6525	Full	0.05	0.05				-2.99	-2.20	-5.19	-5.00	Pass
HE80	MCS0	2	119	6545	Full	0.12	0.12				-3.02	-2.20	-5.22	-5.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 MIMO											
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	117	6535	Full	19.21	19.17	21.89	21.78	320.00	Pass
HE20	MCS0	2	149	6695	Full	19.21	19.18	21.89	21.88	320.00	Pass
HE20	MCS0	2	181	6855	Full	19.23	19.22	21.86	21.85	320.00	Pass
HE40	MCS0	2	123	6565	Full	37.59	37.62	40.67	40.75	320.00	Pass
HE40	MCS0	2	147	6685	Full	37.59	37.58	40.80	40.46	320.00	Pass
HE40	MCS0	2	179	6845	Full	37.62	37.61	40.75	40.74	320.00	Pass
HE80	MCS0	2	135	6625	Full	76.97	77.00	82.98	82.75	320.00	Pass
HE80	MCS0	2	151	6705	Full	76.97	77.02	82.75	82.66	320.00	Pass
HE80	MCS0	2	167	6785	Full	76.95	76.94	82.98	82.53	320.00	Pass

U-NII-7 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 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	185	6875	Full	19.27	19.21	21.70	21.47	320.00	Pass
HE40	MCS0	2	187	6885	Full	37.68	37.68	40.50	40.34	320.00	Pass
HE80	MCS0	2	183	6865	Full	76.97	76.95	82.27	82.14	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 4	Ant 3	SUM	Ant 4	Ant 3			
HE20	MCS0	2	117	6535	Full	5.44	6.26	8.88	-2.20		6.68	14.00	Pass
HE20	MCS0	2	117	6535	26/0	-3.66	-3.18	-0.40	-2.20		-2.60	14.00	Pass
HE20	MCS0	2	117	6535	52/37	-1.08	-0.71	2.12	-2.20		-0.08	14.00	Pass
HE20	MCS0	2	117	6535	106/53	1.81	2.50	5.18	-2.20		2.98	14.00	Pass
HE20	MCS0	2	149	6695	Full	6.06	6.05	9.07	-2.20		6.87	14.00	Pass
HE20	MCS0	2	149	6695	26/4	-2.21	-2.38	0.72	-2.20		-1.48	14.00	Pass
HE20	MCS0	2	149	6695	52/38	-0.73	-0.95	2.17	-2.20		-0.03	14.00	Pass
HE20	MCS0	2	149	6695	106/53	1.88	2.46	5.19	-2.20		2.99	14.00	Pass
HE20	MCS0	2	181	6855	Full	6.03	5.86	8.96	-2.20		6.76	14.00	Pass
HE20	MCS0	2	181	6855	26/8	-3.19	-3.56	-0.36	-2.20		-2.56	14.00	Pass
HE20	MCS0	2	181	6855	52/40	-0.79	-0.69	2.27	-2.20		0.07	14.00	Pass
HE20	MCS0	2	181	6855	106/54	1.85	1.95	4.91	-2.20		2.71	14.00	Pass
HE40	MCS0	2	123	6565	Full	8.82	8.89	11.87	-2.20		9.67	14.00	Pass
HE40	MCS0	2	147	6685	Full	8.91	8.76	11.85	-2.20		9.65	14.00	Pass
HE40	MCS0	2	179	6845	Full	8.81	8.60	11.72	-2.20		9.52	14.00	Pass
HE80	MCS0	2	135	6625	Full	11.49	12.00	14.76	-2.20		12.56	14.00	Pass
HE80	MCS0	2	151	6705	Full	11.79	11.87	14.84	-2.20		12.64	14.00	Pass
HE80	MCS0	2	167	6785	Full	11.69	11.79	14.75	-2.20		12.55	14.00	Pass

U-NII-7 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 4	Ant 3	SUM	Ant 4	Ant 3			
HE20	MCS0	2	185	6875	Full	5.30	5.02	8.17	-1.20		6.97	14.00	Pass
HE20	MCS0	2	185	6875	26/8	-3.88	-4.74	-1.28	-1.20		-2.48	14.00	Pass
HE20	MCS0	2	185	6875	52/40	-1.92	-1.80	1.15	-1.20		-0.05	14.00	Pass
HE20	MCS0	2	185	6875	106/54	1.08	1.18	4.14	-1.20		2.94	14.00	Pass
HE40	MCS0	2	187	6885	Full	8.47	7.79	11.15	-1.20		9.95	14.00	Pass
HE80	MCS0	2	183	6865	Full	10.95	10.52	13.75	-1.20		12.55	14.00	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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	117	6535	Full	0.03	0.03			-3.03	-2.20	-5.23	-5.00	Pass	
HE20	MCS0	2	117	6535	26/0	0.09	0.09			-3.07	-2.20	-5.27	-5.00	Pass	
HE20	MCS0	2	117	6535	52/37	0.09	0.09			-3.53	-2.20	-5.73	-5.00	Pass	
HE20	MCS0	2	117	6535	106/53	0.10	0.10			-3.43	-2.20	-5.63	-5.00	Pass	
HE20	MCS0	2	149	6695	Full	0.03	0.03			-2.93	-2.20	-5.13	-5.00	Pass	
HE20	MCS0	2	149	6695	26/4	0.09	0.09			-3.19	-2.20	-5.39	-5.00	Pass	
HE20	MCS0	2	149	6695	52/38	0.09	0.09			-3.19	-2.20	-5.39	-5.00	Pass	
HE20	MCS0	2	149	6695	106/53	0.10	0.10			-3.22	-2.20	-5.42	-5.00	Pass	
HE20	MCS0	2	181	6855	Full	0.03	0.03			-3.02	-2.20	-5.22	-5.00	Pass	
HE20	MCS0	2	181	6855	26/8	0.09	0.09			-3.15	-2.20	-5.35	-5.00	Pass	
HE20	MCS0	2	181	6855	52/40	0.09	0.09			-3.22	-2.20	-5.42	-5.00	Pass	
HE20	MCS0	2	181	6855	106/54	0.10	0.10			-3.51	-2.20	-5.71	-5.00	Pass	
HE40	MCS0	2	123	6565	Full	0.05	0.05			-3.04	-2.20	-5.24	-5.00	Pass	
HE40	MCS0	2	147	6685	Full	0.05	0.05			-3.02	-2.20	-5.22	-5.00	Pass	
HE40	MCS0	2	179	6845	Full	0.05	0.05			-3.25	-2.20	-5.45	-5.00	Pass	
HE80	MCS0	2	135	6625	Full	0.12	0.12			-2.83	-2.20	-5.03	-5.00	Pass	
HE80	MCS0	2	151	6705	Full	0.12	0.12		-3.09	-2.20	-5.29	-5.00	Pass		
HE80	MCS0	2	167	6785	Full	0.12	0.12		-2.99	-2.20	-5.19	-5.00	Pass		

U-NII-7 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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	185	6875	Full	0.03	0.03			-4.15	-1.20	-5.35	-5.00	Pass	
HE20	MCS0	2	185	6875	26/8	0.09	0.09			-4.31	-1.20	-5.51	-5.00	Pass	
HE20	MCS0	2	185	6875	52/40	0.09	0.09			-4.29	-1.20	-5.49	-5.00	Pass	
HE20	MCS0	2	185	6875	106/54	0.10	0.10			-4.40	-1.20	-5.60	-5.00	Pass	
HE40	MCS0	2	187	6885	Full	0.05	0.05			-4.10	-1.20	-5.30	-5.00	Pass	
HE80	MCS0	2	183	6865	Full	0.12	0.12			-3.91	-1.20	-5.11	-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 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	189	6895	Full	19.24	19.22	22.12	21.89	320.00	Pass
HE20	MCS0	2	209	6995	Full	19.23	19.19	21.99	21.60	320.00	Pass
HE20	MCS0	2	229	7095	Full	19.16	19.12	21.78	21.69	320.00	Pass
HE40	MCS0	2	195	6925	Full	37.65	37.66	40.64	40.35	320.00	Pass
HE40	MCS0	2	211	7005	Full	37.55	37.51	40.40	40.38	320.00	Pass
HE40	MCS0	2	227	7085	Full	37.57	37.53	40.58	40.18	320.00	Pass
HE80	MCS0	2	199	6945	Full	76.89	76.90	82.72	82.18	320.00	Pass
HE80	MCS0	2	215	7025	Full	76.78	76.86	82.91	82.59	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 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	189	6895	Full	5.27	4.78	8.04	-1.20		6.84	14.00	Pass
HE20	MCS0	2	189	6895	26/0	-4.77	-4.89	-1.82	-1.20		-3.02	14.00	Pass
HE20	MCS0	2	189	6895	52/37	-1.68	-1.88	1.23	-1.20		0.03	14.00	Pass
HE20	MCS0	2	189	6895	106/53	1.28	1.06	4.18	-1.20		2.98	14.00	Pass
HE20	MCS0	2	209	6995	Full	5.36	5.05	8.22	-1.20		7.02	14.00	Pass
HE20	MCS0	2	209	6995	26/4	-3.59	-3.97	-0.77	-1.20		-1.97	14.00	Pass
HE20	MCS0	2	209	6995	52/38	-1.79	-1.98	1.13	-1.20		-0.07	14.00	Pass
HE20	MCS0	2	209	6995	106/53	1.56	1.27	4.43	-1.20		3.23	14.00	Pass
HE20	MCS0	2	229	7095	Full	7.00	6.89	9.96	-1.20		8.76	14.00	Pass
HE20	MCS0	2	229	7095	26/8	-5.21	-4.46	-1.81	-1.20		-3.01	14.00	Pass
HE20	MCS0	2	229	7095	52/40	-3.37	-2.57	0.06	-1.20		-1.14	14.00	Pass
HE20	MCS0	2	229	7095	106/54	-0.17	0.46	3.17	-1.20		1.97	14.00	Pass
HE40	MCS0	2	195	6925	Full	8.19	7.67	10.95	-1.20		9.75	14.00	Pass
HE40	MCS0	2	211	7005	Full	8.26	7.08	10.72	-1.20		9.52	14.00	Pass
HE40	MCS0	2	227	7085	Full	8.83	8.35	11.61	-1.20		10.41	14.00	Pass
HE80	MCS0	2	199	6945	Full	10.73	10.57	13.66	-1.20		12.46	14.00	Pass
HE80	MCS0	2	215	7025	Full	10.65	10.35	13.51	-1.20		12.31	14.00	Pass

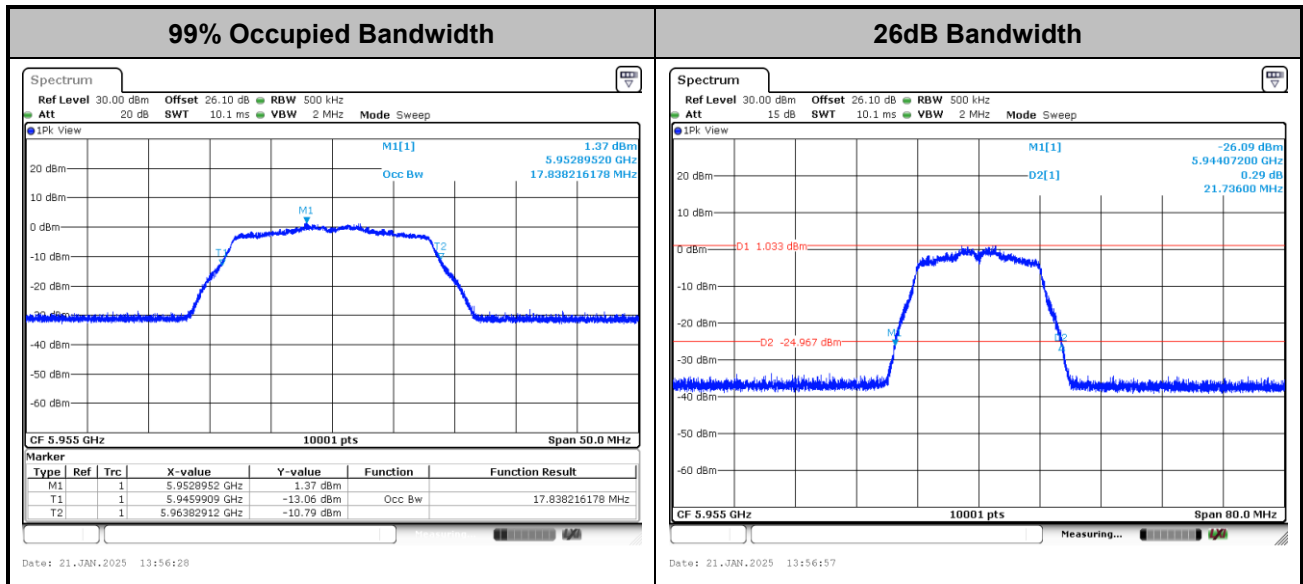
TEST RESULTS DATA
EIRP Power Spectral Density

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 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	189	6895	Full	0.03	0.03			-4.11	-1.20	-5.31	-5.00	Pass	
HE20	MCS0	2	189	6895	26/0	0.09	0.09			-4.56	-1.20	-5.76	-5.00	Pass	
HE20	MCS0	2	189	6895	52/37	0.09	0.09			-4.23	-1.20	-5.43	-5.00	Pass	
HE20	MCS0	2	189	6895	106/53	0.10	0.10			-4.34	-1.20	-5.54	-5.00	Pass	
HE20	MCS0	2	209	6995	Full	0.03	0.03			-4.04	-1.20	-5.24	-5.00	Pass	
HE20	MCS0	2	209	6995	26/4	0.09	0.09			-4.30	-1.20	-5.50	-5.00	Pass	
HE20	MCS0	2	209	6995	52/38	0.09	0.09			-4.27	-1.20	-5.47	-5.00	Pass	
HE20	MCS0	2	209	6995	106/53	0.10	0.10			-4.15	-1.20	-5.35	-5.00	Pass	
HE20	MCS0	2	229	7095	Full	0.03	0.03			-4.26	-1.20	-5.46	-5.00	Pass	
HE20	MCS0	2	229	7095	26/8	0.09	0.09			-4.73	-1.20	-5.93	-5.00	Pass	
HE20	MCS0	2	229	7095	52/40	0.09	0.09			-4.51	-1.20	-5.71	-5.00	Pass	
HE20	MCS0	2	229	7095	106/54	0.10	0.10			-4.34	-1.20	-5.54	-5.00	Pass	
HE40	MCS0	2	195	6925	Full	0.05	0.05			-3.86	-1.20	-5.06	-5.00	Pass	
HE40	MCS0	2	211	7005	Full	0.05	0.05			-3.97	-1.20	-5.17	-5.00	Pass	
HE40	MCS0	2	227	7085	Full	0.05	0.05			-4.14	-1.20	-5.34	-5.00	Pass	
HE80	MCS0	2	199	6945	Full	0.12	0.12			-3.99	-1.20	-5.19	-5.00	Pass	
HE80	MCS0	2	215	7025	Full	0.12	0.12		-4.15	-1.20	-5.35	-5.00	Pass		

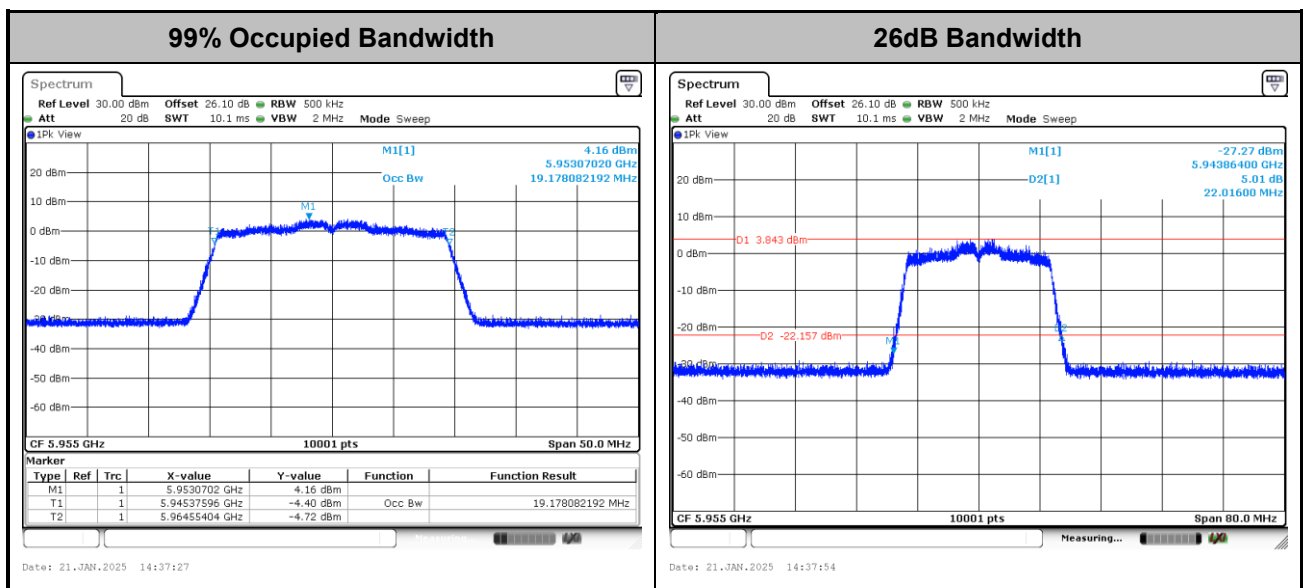
**Test Result of 26dB & 99% Occupied Bandwidth - CDD**

MIMO <Ant. 4+3>

<802.11a>

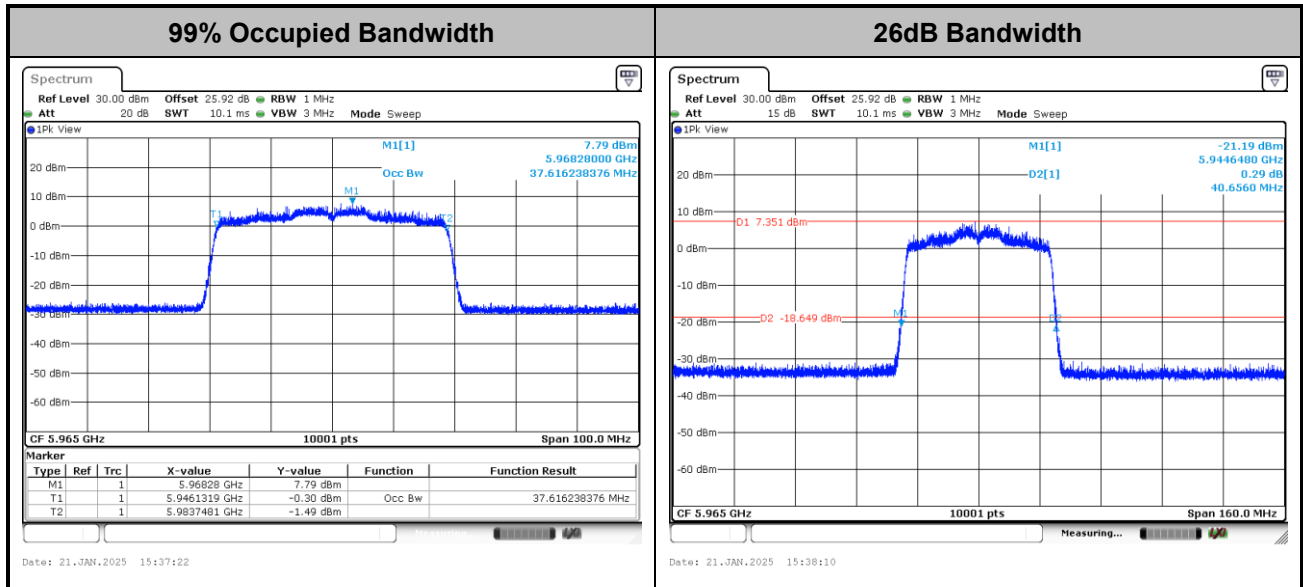


<802.11ax HE20>



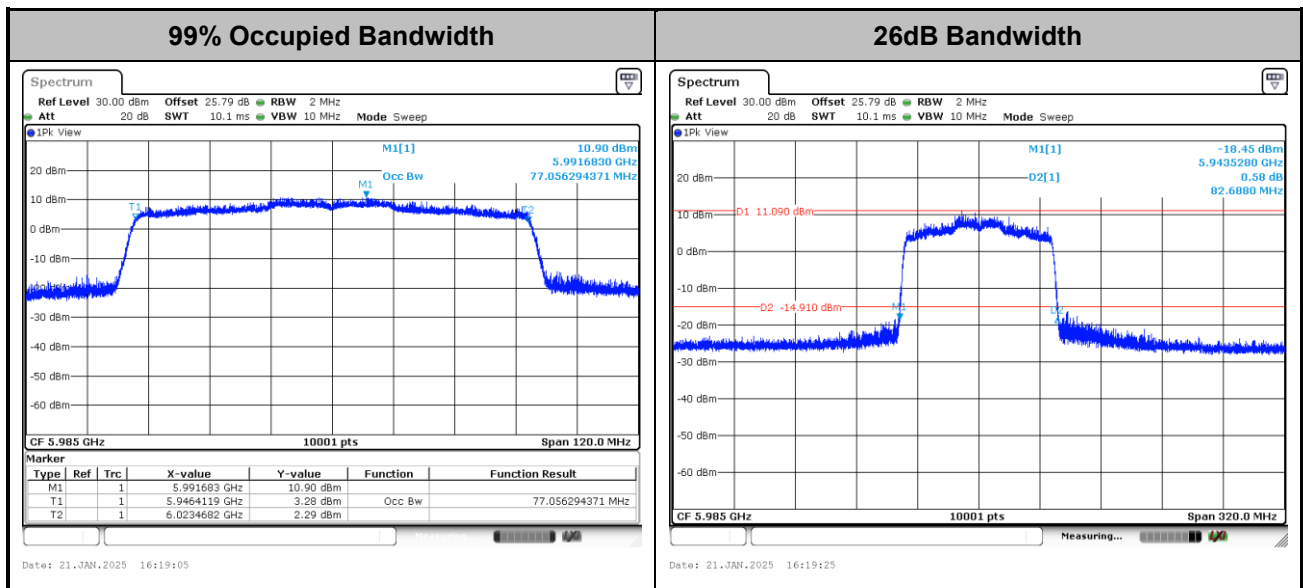


<802.11ax HE40>



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

<802.11ax HE80>

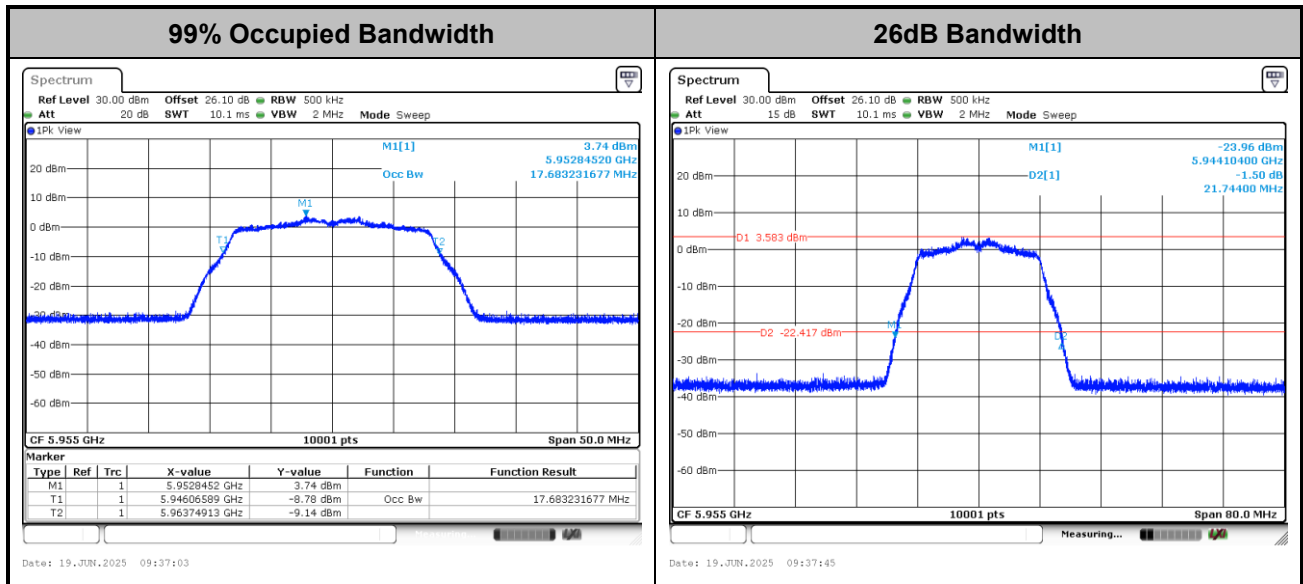


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

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

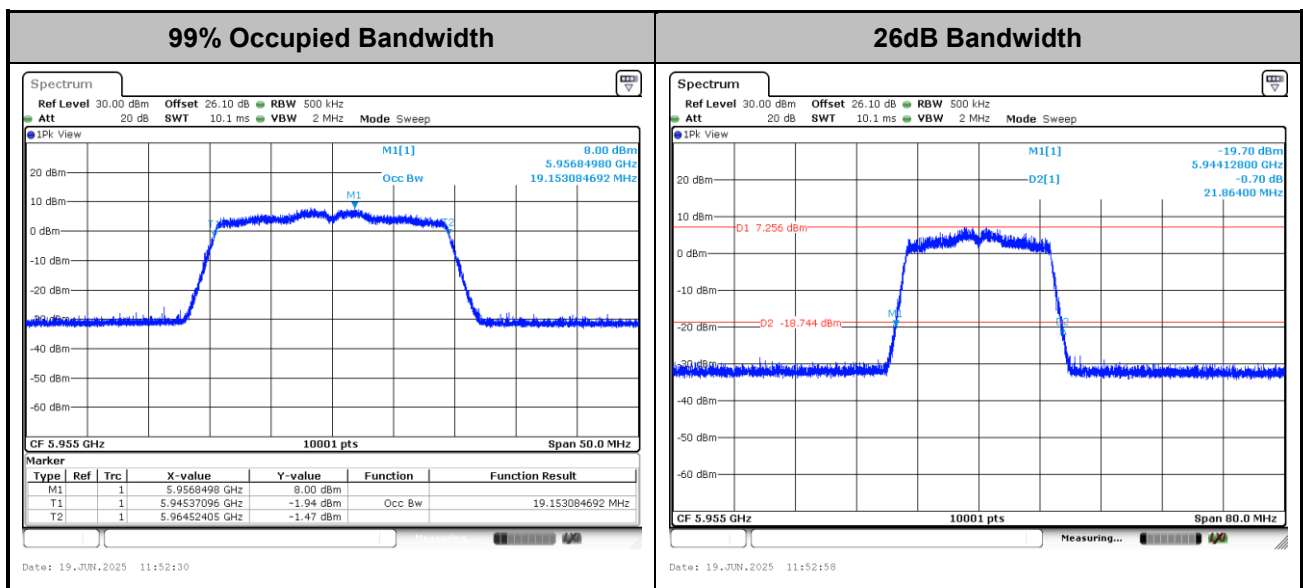
MIMO <Ant. 4+3>

<802.11a>



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

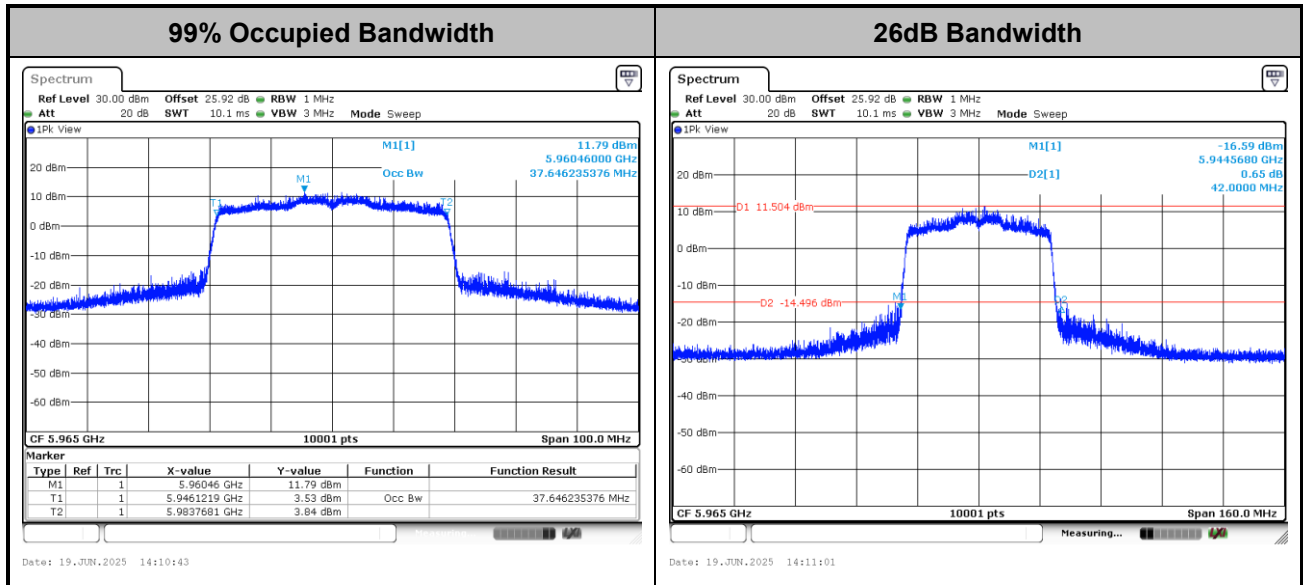
<802.11ax HE20>



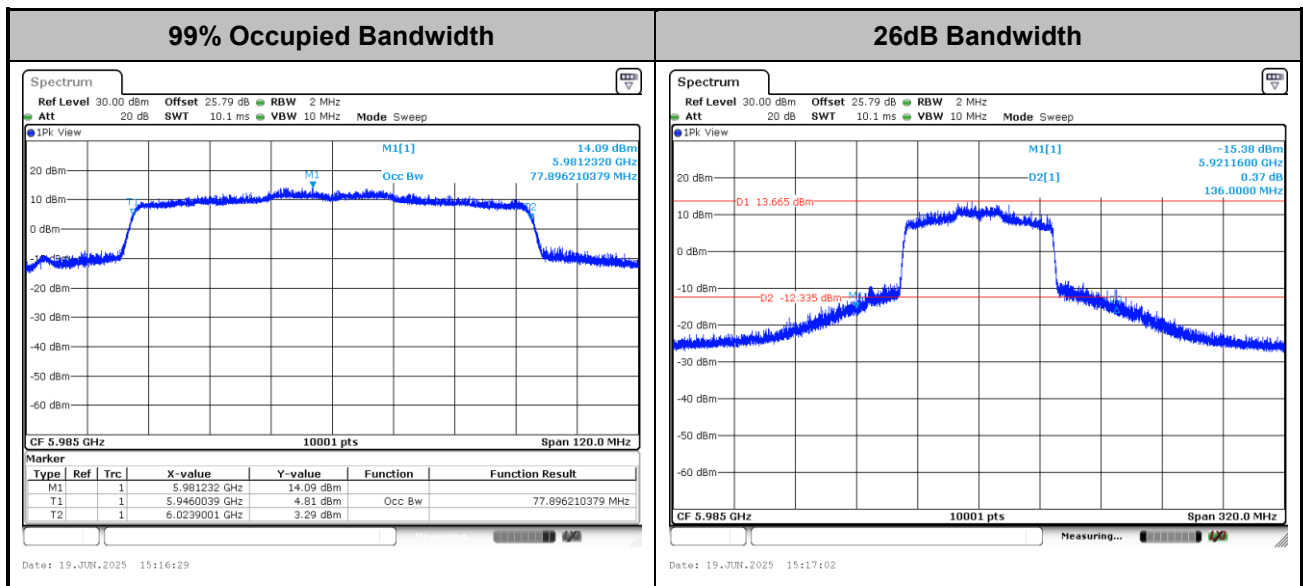
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



<802.11ax HE40>

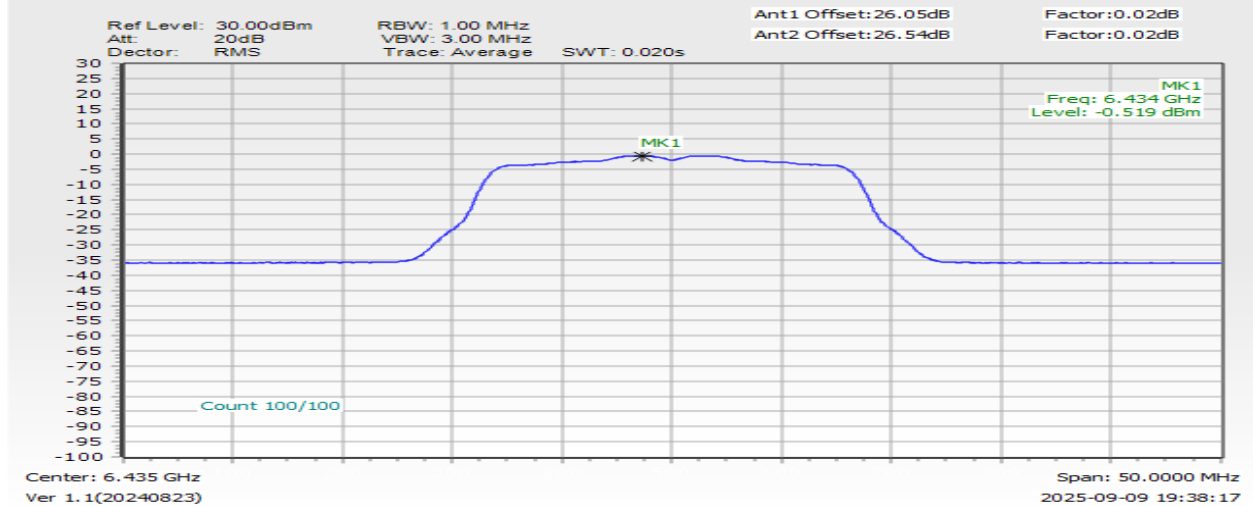


<802.11ax HE80>

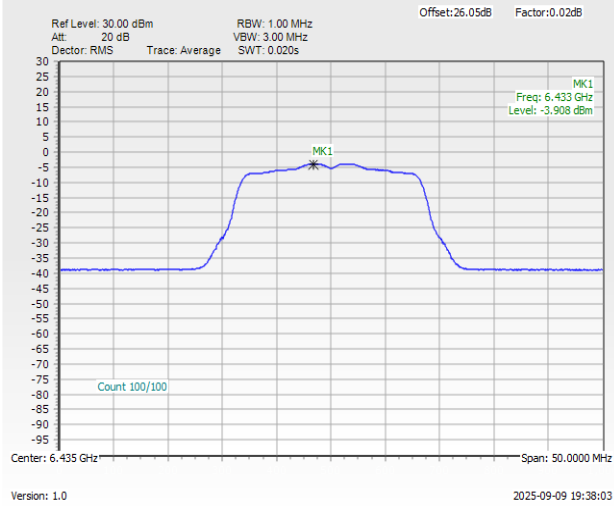
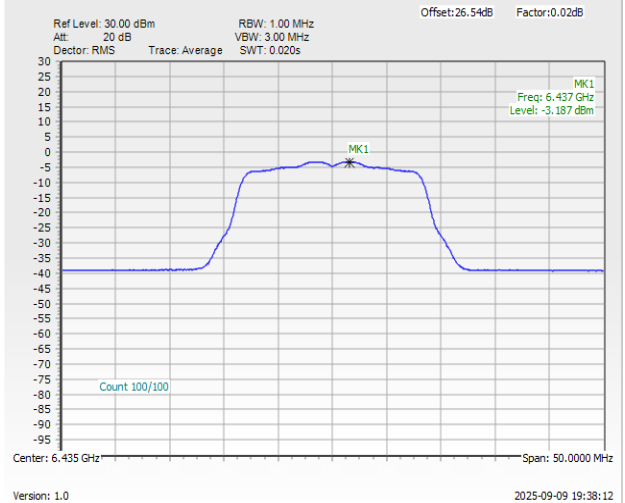


**Test Result of Power Spectral Density - CDD**

<802.11a>

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

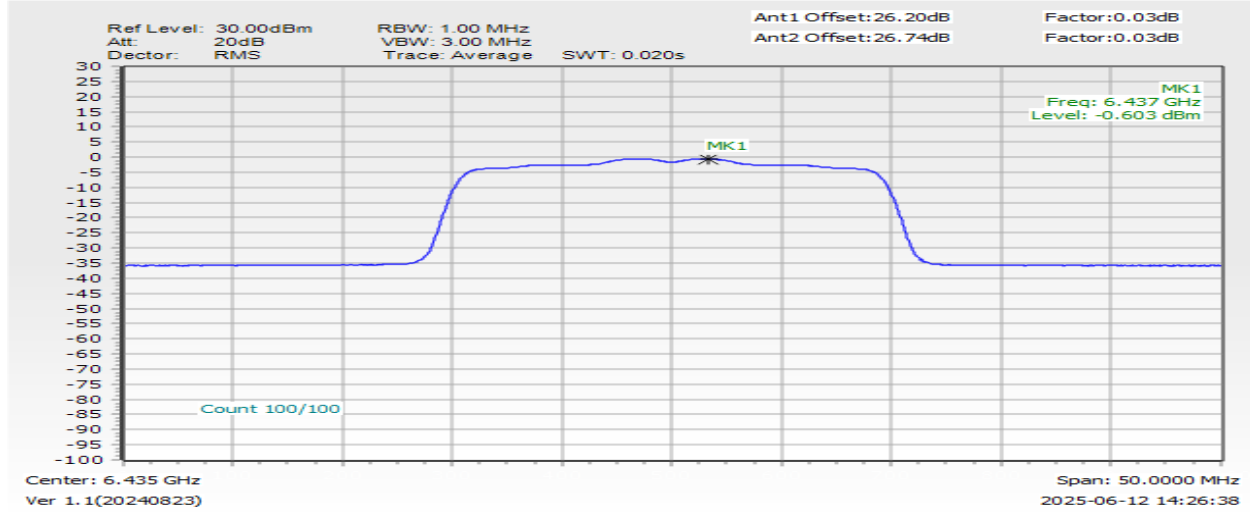
1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

Power Density Plot Trace 1 (Ant 4)**Power Density Plot Trace 2 (Ant 3)**



<802.11ax HE20>

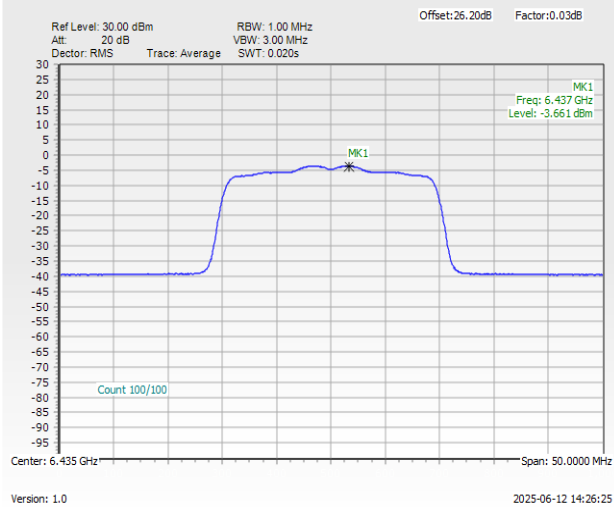
Maximum Power Density Plot (dBm/MHz)



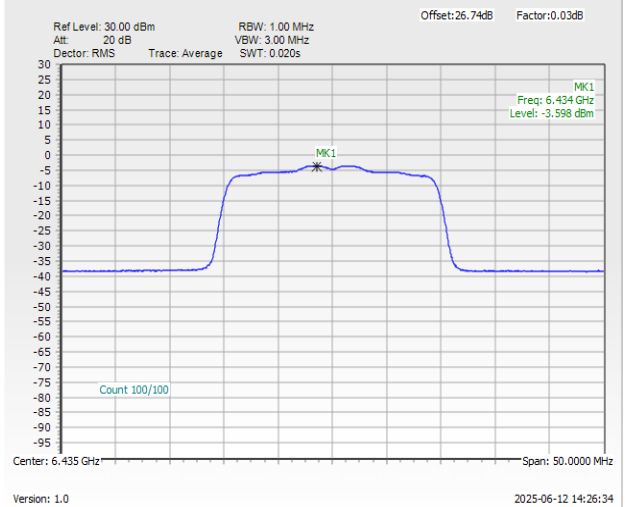
Note:

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 4)



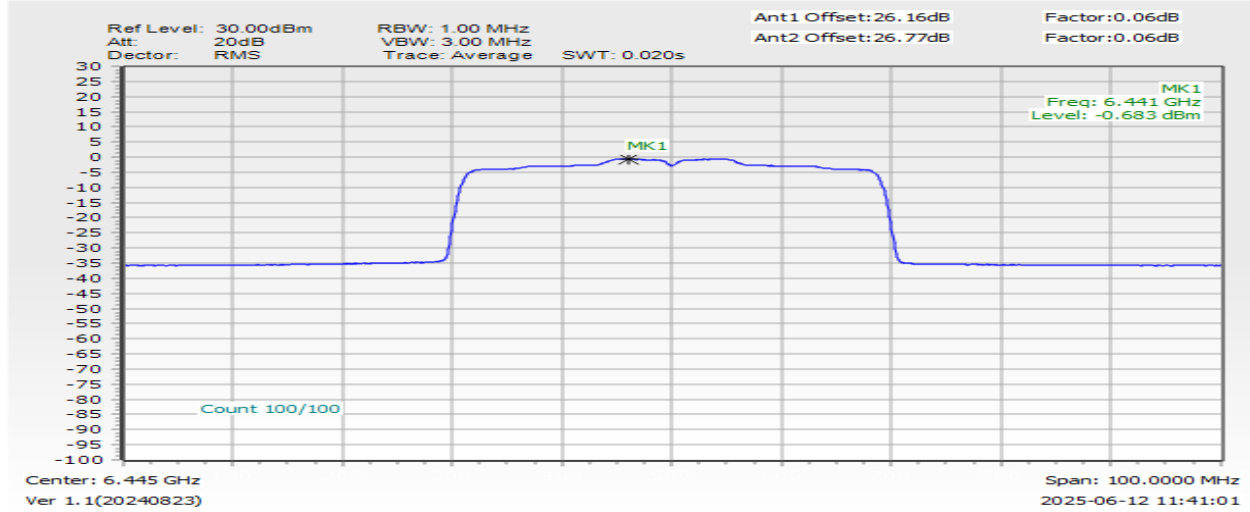
Power Density Plot Trace 2 (Ant 3)





<802.11ax HE40>

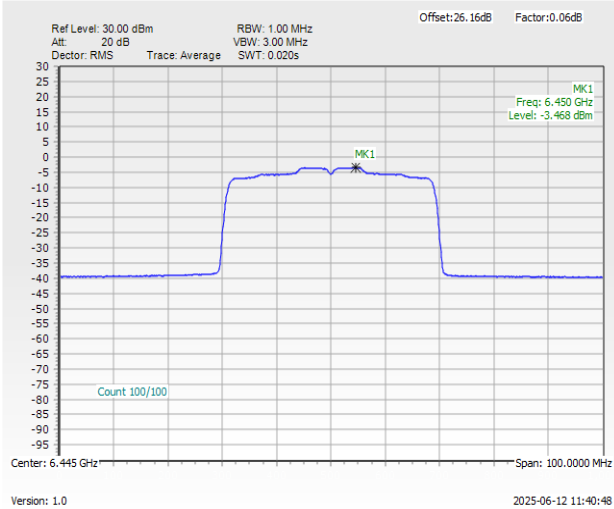
Maximum Power Density Plot (dBm/MHz)



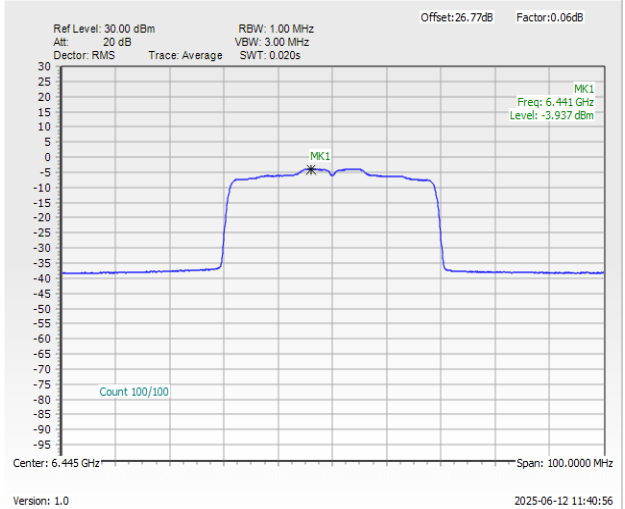
Note:

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 4)



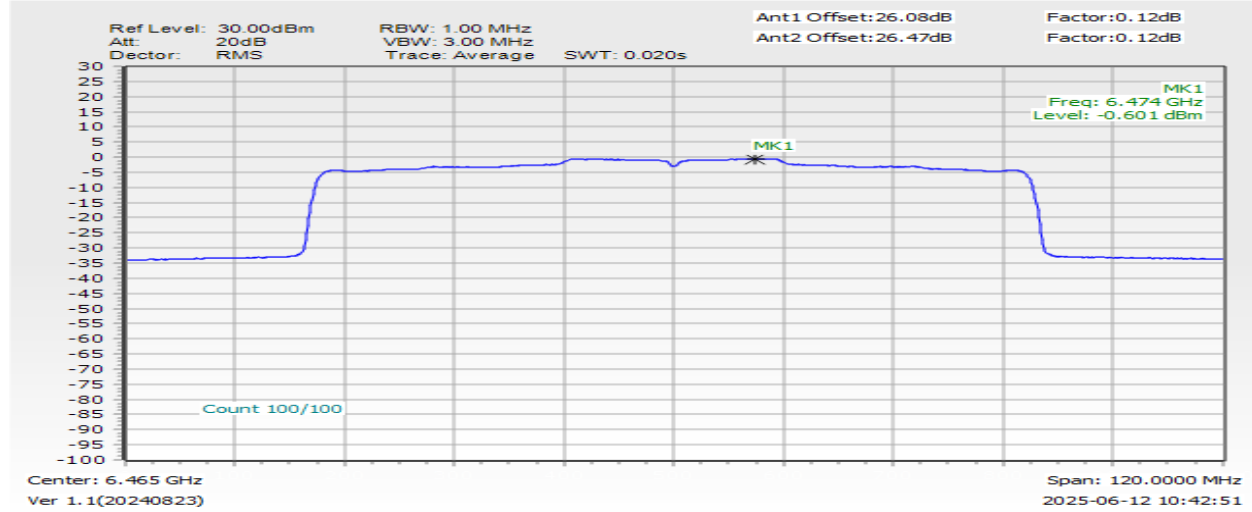
Power Density Plot Trace 2 (Ant 3)





<802.11ax HE80>

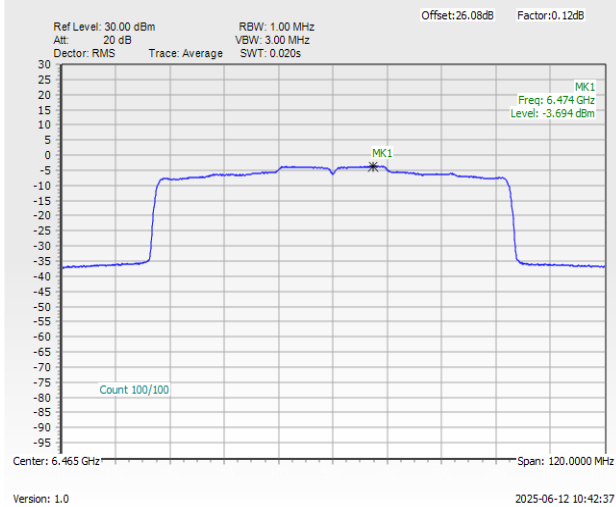
Maximum Power Density Plot (dBm/MHz)



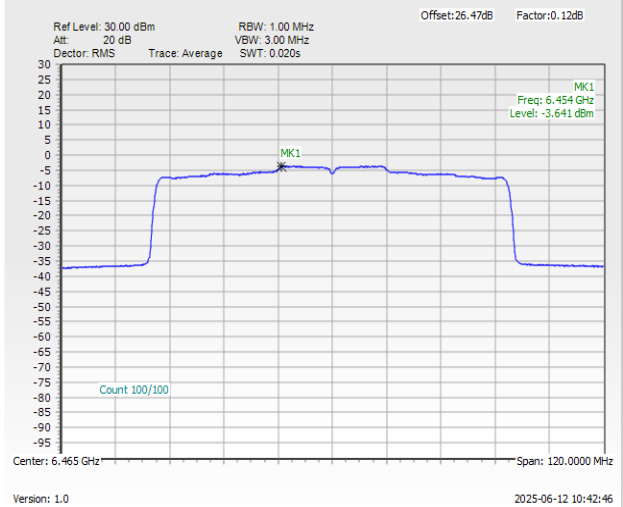
Note:

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 4)

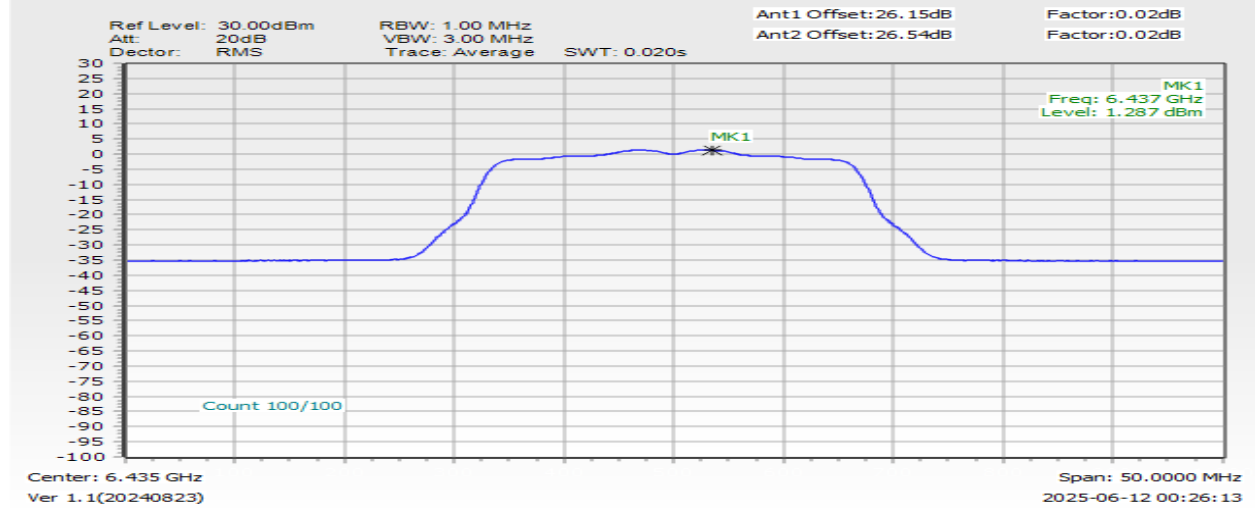


Power Density Plot Trace 2 (Ant 3)

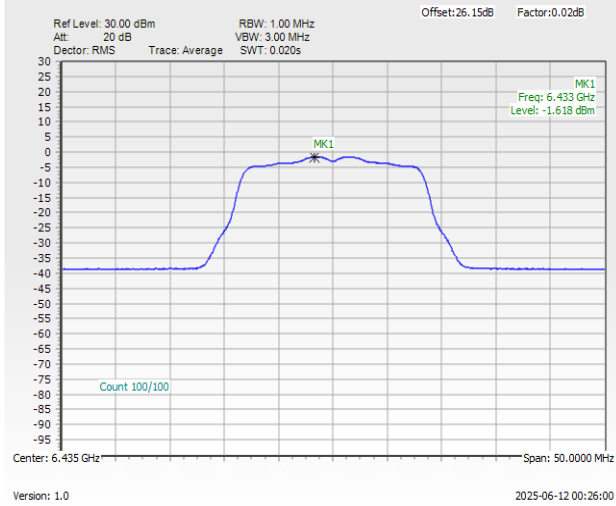
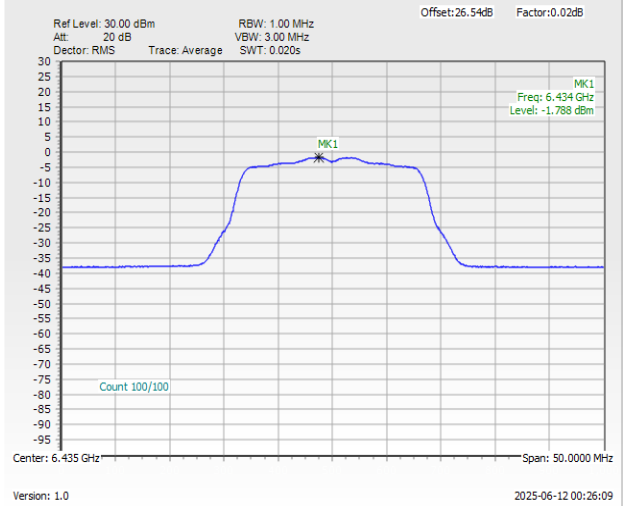


**Test Result of Power Spectral Density - SDM**

<802.11a>

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

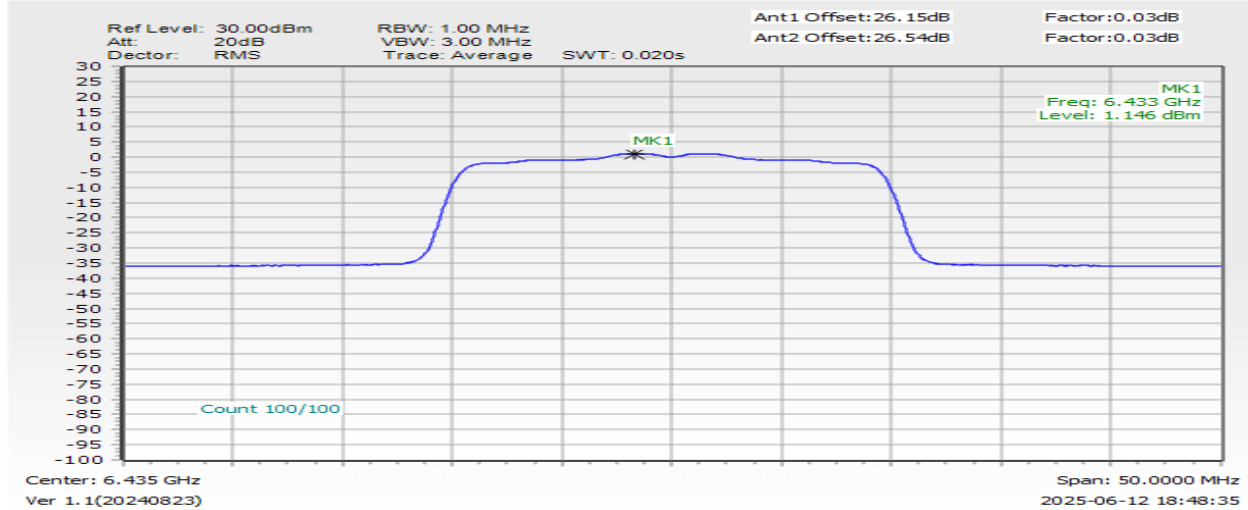
1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

Power Density Plot Trace 1 (Ant 4)**Power Density Plot Trace 2 (Ant 3)**



<802.11ax HE20>

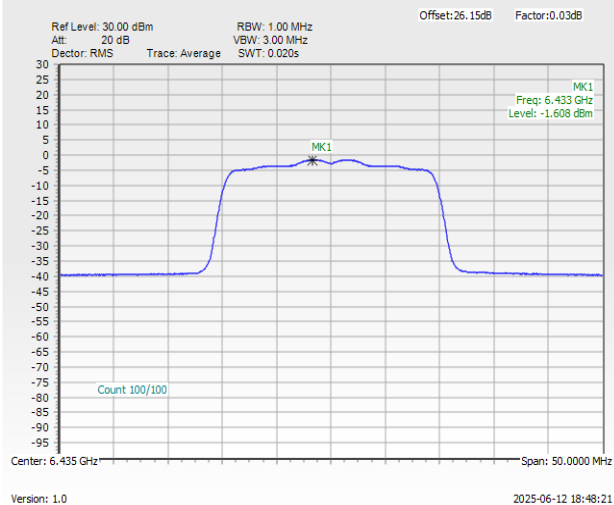
Maximum Power Density Plot (dBm/MHz)



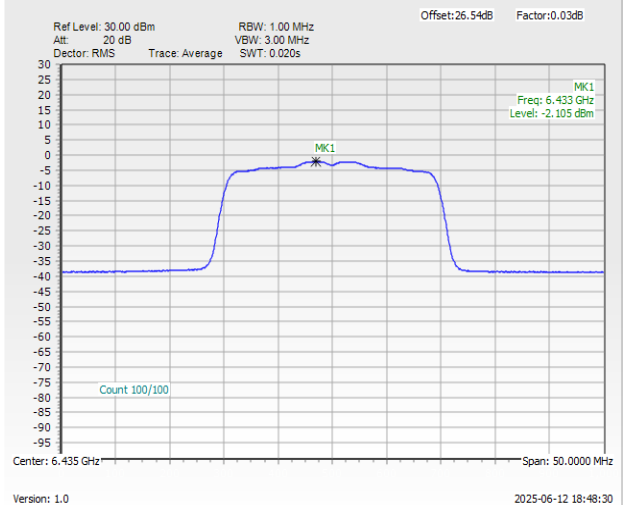
Note:

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

Power Density Plot Trace 1 (Ant 4)



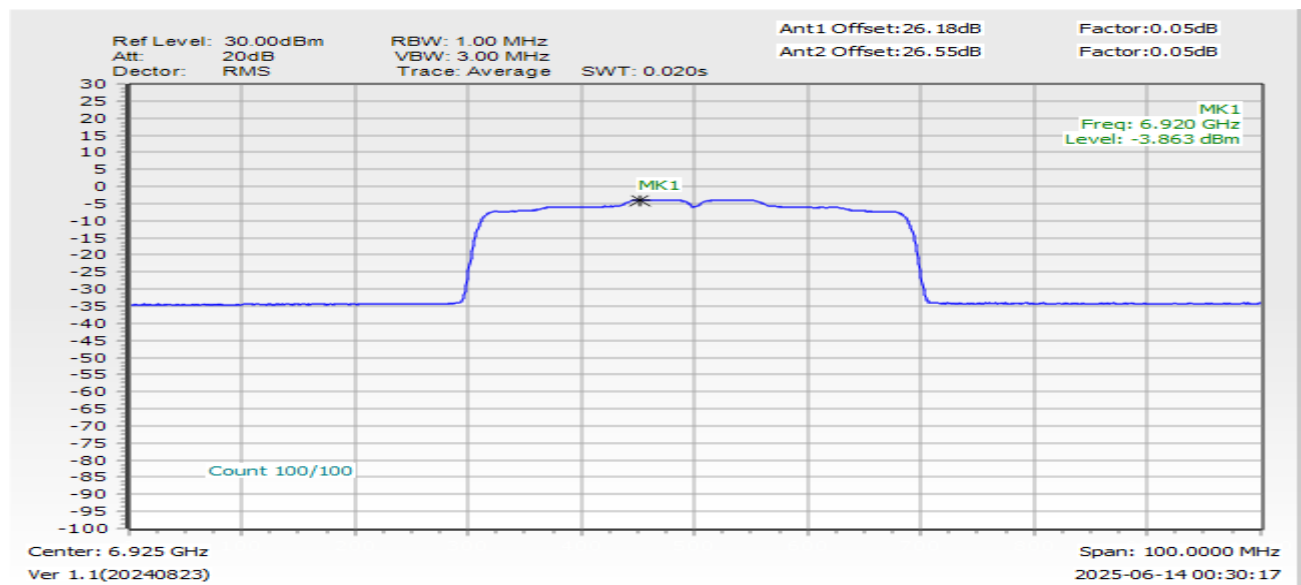
Power Density Plot Trace 2 (Ant 3)





<802.11ax HE40>

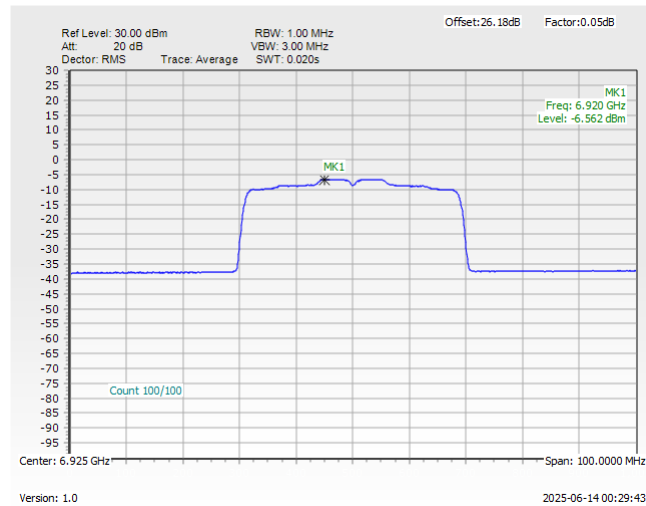
Maximum Power Density Plot (dBm/MHz)



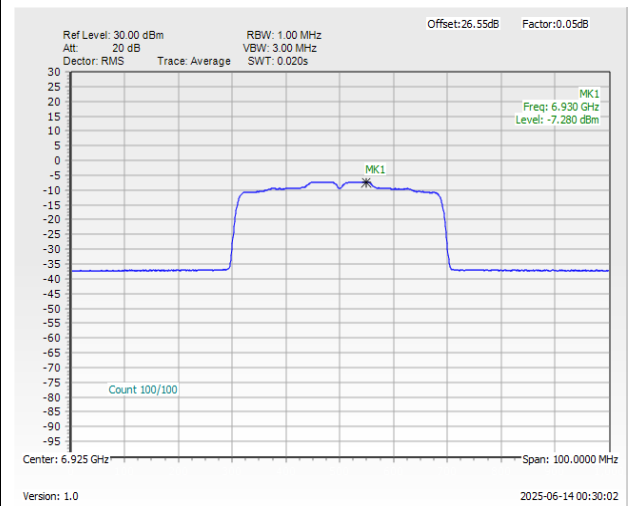
Note:

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

Power Density Plot Trace 1 (Ant 4)



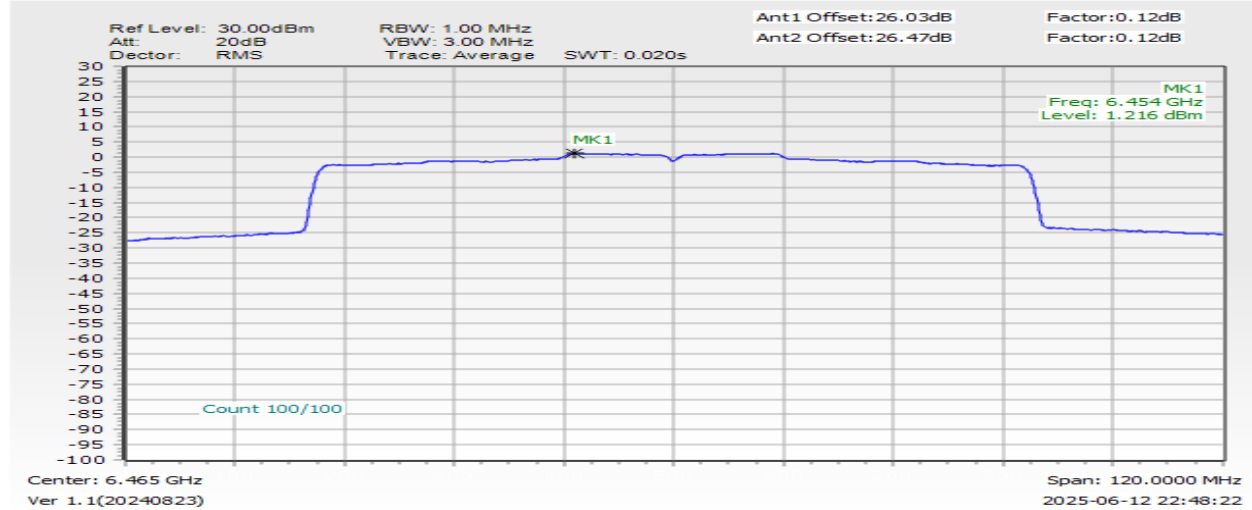
Power Density Plot Trace 2 (Ant 3)





<802.11ax HE80>

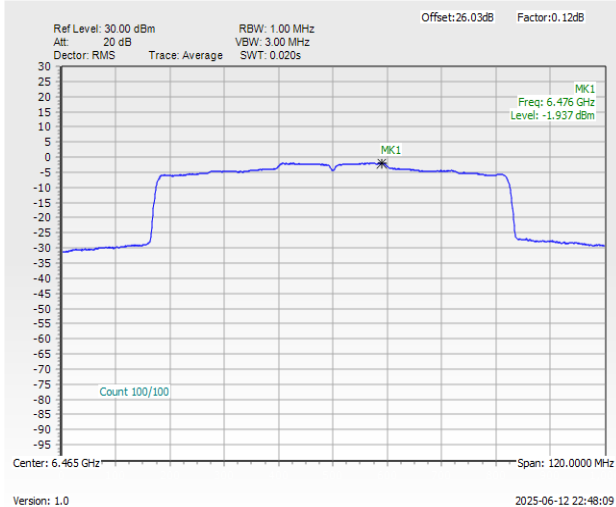
Maximum Power Density Plot (dBm/MHz)



Note:

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

Power Density Plot Trace 1 (Ant 4)



Power Density Plot Trace 2 (Ant 3)

