

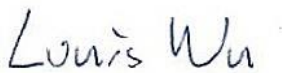


FCC RADIO TEST REPORT

FCC ID : 2BV7P-RT710L0
Equipment : Rugged Tablet PC
Brand Name : Honeywell
Model Name : RT710-L0
Applicant : HAND HELD PRODUCTS, INC.
9680 Old Bailes Road, Fort Mill,
SC 29707, USA
Manufacturer : HAND HELD PRODUCTS, INC.
9680 Old Bailes Road, Fort Mill,
SC 29707, USA
Standard : FCC Part 15 Subpart E §15.407

The product was received on Jul. 16, 2026 and testing was performed from Jul. 31, 2026 to Aug. 10, 2026. We, Sporton International Inc. EMC & Wireless Communications 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. EMC & Wireless Communications 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.)



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History of this test report

Report No.	Version	Description	Issue Date
FR670105E	01	Initial issue of report	Aug. 21, 2026

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403	6dB & 26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	-
3.5	15.207	AC Conducted Emission	Pass	-
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Lewis Ho

Report Producer: Yuri Huang



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs	Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ax/be, Wi-Fi 5GHz 802.11a/n/ac/ax/be, Wi-Fi 6GHz 802.11a/ax/be and NFC
Sample 1	Sku1
Sample 2	Sku4
Sample 3	Sku2
Sample 4	Sku9
Sample 5	Sku5
Sample 6	Sku8
Sample 7	Sku3
Sample 8	Sku6
Sample 9	Sku7
Maximum Output Power to Antenna	<5150 MHz ~ 5250 MHz> 802.11a : 12.26 dBm / 0.0168 W 802.11n HT20 : 12.25 dBm / 0.0168 W 802.11n HT40 : 12.26 dBm / 0.0168 W 802.11ac VHT20: 12.29 dBm / 0.0169 W 802.11ac VHT40: 12.29 dBm / 0.0169 W 802.11ac VHT80: 11.92 dBm / 0.0156 W 802.11ac VHT160: 12.27 dBm / 0.0169 W 802.11ax HE20: 12.27 dBm / 0.0169 W 802.11ax HE40: 12.26 dBm / 0.0168 W 802.11ax HE80: 11.92 dBm / 0.0156 W 802.11ax HE160: 12.10 dBm / 0.0162 W 802.11be EHT20: 12.31 dBm / 0.0170 W 802.11be EHT40: 12.32 dBm / 0.0171 W 802.11be EHT80: 11.96 dBm / 0.0157 W 802.11be EHT160: 12.35 dBm / 0.0172 W <5250 MHz ~ 5350 MHz> 802.11a : 12.00 dBm / 0.0158 W 802.11n HT20 : 12.25 dBm / 0.0168 W 802.11n HT40 : 11.96 dBm / 0.0157 W 802.11ac VHT20: 12.28 dBm / 0.0169 W 802.11ac VHT40: 11.99 dBm / 0.0158 W 802.11ac VHT80: 12.15 dBm / 0.0164 W 802.11ax HE20: 12.32 dBm / 0.0171 W 802.11ax HE40: 11.98 dBm / 0.0158 W 802.11ax HE80: 12.14 dBm / 0.0164 W 802.11ax HE160: 12.10 dBm / 0.0162 W 802.11be EHT20: 12.35 dBm / 0.0172 W 802.11be EHT40: 12.03 dBm / 0.0160 W 802.11be EHT80: 12.19 dBm / 0.0166 W 802.11be EHT160: 12.35 dBm / 0.0172 W <5470 MHz ~ 5725 MHz > 802.11a : 12.33 dBm / 0.0171 W 802.11n HT20 : 12.27 dBm / 0.0169 W 802.11n HT40 : 12.37 dBm / 0.0173 W 802.11ac VHT20: 12.30 dBm / 0.0170 W



	802.11ac VHT40: 12.41 dBm / 0.0174 W 802.11ac VHT80: 12.25 dBm / 0.0168 W 802.11ac VHT160: 12.42 dBm / 0.0175 W 802.11ax HE20: 12.27 dBm / 0.0169 W 802.11ax HE40: 12.39 dBm / 0.0173 W 802.11ax HE80: 12.22 dBm / 0.0167 W 802.11ax HE160: 12.23 dBm / 0.0167 W 802.11be EHT20: 12.36 dBm / 0.0172 W 802.11be EHT40: 12.44 dBm / 0.0175 W 802.11be EHT80: 12.28 dBm / 0.0169 W 802.11be EHT160: 12.51 dBm / 0.0178 W <5725 MHz ~ 5850 MHz> 802.11a : 13.05 dBm / 0.0202 W 802.11n HT20 : 12.95 dBm / 0.0197 W 802.11n HT40 : 13.01 dBm / 0.0200 W 802.11ac VHT20: 12.97 dBm / 0.0198 W 802.11ac VHT40: 13.05 dBm / 0.0202 W 802.11ac VHT80: 12.91 dBm / 0.0195 W 802.11ax HE20: 12.97 dBm / 0.0198 W 802.11ax HE40: 13.04 dBm / 0.0201 W 802.11ax HE80: 12.90 dBm / 0.0195 W 802.11be EHT20: 12.57 dBm / 0.0181 W 802.11be EHT40: 13.08 dBm / 0.0203 W 802.11be EHT80: 12.98 dBm / 0.0199 W
99% Occupied Bandwidth	<5150 MHz ~ 5250 MHz> 802.11a : 17.46 MHz 802.11ac VHT20 : 18.56 MHz 802.11ac VHT40 : 37.40 MHz 802.11ac VHT80 : 76.51 MHz 802.11ac VHT160 : 155.60 MHz 802.11be EHT20: 19.20 MHz 802.11be EHT40: 38.31 MHz 802.11be EHT80: 77.78 MHz 802.11be EHT160: 157.72 MHz <5250 MHz ~ 5350 MHz> 802.11a : 17.48 MHz 802.11ac VHT20 : 18.56 MHz 802.11ac VHT40 : 37.51 MHz 802.11ac VHT80 : 156.24 MHz 802.11be EHT20: 19.20 MHz 802.11be EHT40: 38.30 MHz 802.11be EHT80: 77.82 MHz 802.11be EHT160: 157.72 MHz <5470 MHz ~ 5725 MHz> 802.11a : 17.48 MHz 802.11ac VHT20 : 18.55 MHz 802.11ac VHT40 : 37.49 MHz 802.11ac VHT80 : 76.52 MHz 802.11ac VHT160 : 153.68 MHz 802.11be EHT20: 19.18 MHz 802.11be EHT40: 38.34 MHz 802.11be EHT80: 77.83 MHz 802.11be EHT160: 155.66 MHz <5725 MHz ~ 5850 MHz> 802.11a : 17.50 MHz

	802.11ac VHT20 : 18.67 MHz 802.11ac VHT40 : 37.17 MHz 802.11ac VHT80 : 76.79 MHz 802.11be EHT20: 19.20 MHz 802.11be EHT40: 38.37 MHz 802.11be EHT80: 77.76 MHz
Antenna Type	5G WLAN: <Ant.8>: LDS Antenna <Ant.9>: LDS Antenna
Type of Modulation	802.11a/n: OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) 802.11ax: OFDMA (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM) 802.11be: OFDMA (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM / 4096QAM)

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	<Ant.8>: 0.5 <Ant.9>: -0.5
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	<Ant.8>: 0.5 <Ant.9>: -0.5
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	<Ant.8>: 0.5 <Ant.9>: -0.5
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	<Ant.8>: 0.5 <Ant.9>: -0.5

Remark:

1. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.
2. The EUT supports STBC and CDD mode, Base on CDD mode with power setting equal or higher than STBC mode, so CDD mode is chosen to perform all RF test and cover STBC mode.
3. All test items were performed with Sample 1.
4. MIMO Ant. 8+9 Directional Gain is a calculated result from MIMO Ant. 8 and MIMO Ant. 9. The formula used in calculation is documented in section 1.1.1.
5. Power of MIMO Ant. 8 + Ant. 9 is a calculated result from sum of the power MIMO Ant. 8 and MIMO Ant. 9.
6. 802.11ax/be support OFDMA full RU tone and partial RU tone, both full RU and partial RU-left (for low CH) and partial RU-right (for high CH) test output power, the full RU PSD > partial RU, therefore the full RU perform full, and partial RU verify bandedge/spurious.
7. 802.11be support small size RU, Large size RU and Puncturing modes as below, and these partial RU Power/PSD less than full RU, therefore these partial RU only assess Power Density/RSE.
8. Plots included in the report are representative of the method and settings parameters used for the test.

EUT Information List	
S/N	Performed Test Item
26168X00AB	RF Conducted Measurement
26168X0063	Radiated Spurious Emission
26168X0061	Conducted Emission

1.1.1 Directional Gain

<For CDD Mode>

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F2)f)ii)

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

For power measurements on IEEE 802.11 devices,

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

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

For PSD measurements, the directional gain calculation.

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

where

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

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

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the k th antenna is being fed by spatial stream j , or zero if it is not;
 G_k is the gain in dBi of the k th antenna.

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

Directional gain = $10 \cdot \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}]$ dBi

Where $G_1, G_2, \dots, G_N$ denote single antenna gain.

The directional gain "DG" is calculated as following table.

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant 8	Ant 9	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band I	0.50	-0.50	0.50	3.02	0.00	0.00
Band II	0.50	-0.50	0.50	3.02	0.00	0.00
Band III	0.50	-0.50	0.50	3.02	0.00	0.00
Band IV	0.50	-0.50	0.50	3.02	0.00	0.00

Calculation example:

If a device has two antenna, $G_{ANT8} = 0.5\text{dBi}$; $G_{ANT9} = -0.5\text{dBi}$

Directional gain of power measurement = $\max(0.5, -0.5) + 0 = 0.5$ dBi

Directional gain of PSD derived from formula which is

$10 \times \log \{ \{ [10^{(0.5 \text{ dBi} / 20)} + 10^{(-0.5 \text{ dBi} / 20)}]^2 \} / 2 \}$

=3.02 dBi

Power and PSD limit reduction = Composite gain – 6dBi, (min = 0)

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 1190 and 3786 designated by NCC (National Communication Commission).

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.)

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.: TW1190 and 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 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ FCC Part 15 Subpart E
- ♦ ANSI C63.10-2020 + Cor.1-2023

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 accessory (Adapter), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and find Z plane with Adapter as worst plane.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42 [#]	5210		
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58 [#]	5290		
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106 [#]	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700
Frequency Band	Channel		Freq. (MHz)	
5150-5350 MHz	50 [@]		5250	
5470-5725 MHz	114 [@]		5570	

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5725-5850 MHz Band 4 (U-NII-3)	149	5745	157	5785
	151*	5755	159*	5795
	153	5765	161	5805
	155 [#]	5775	165	5825

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
TDWR Channel	118*	5590	124	5620
	120	5600	126*	5630
	122 [#]	5610	128	5640

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	138 [#]	5690	144	5720
	142*	5710		

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40 and 802.11be EHT40.
2. The above Frequency and Channel with "[#]" are 802.11ac VHT80 and 802.11ax HE80 and 802.11be EHT80.
3. The above Frequency and Channel with "@[#]" are 802.11ac VHT160 and 802.11ax HE160 and 802.11be EHT160.

2.2 Test Mode

This device support 26/52/106/242/484/996-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 and 996-tone RU is covered by 80MHz channel.

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

The power for 802.11n, ac, ax mode is smaller than 802.11be mode, so the radiated test is covered by 802.11be mode.

For the other conducted test, the power for 802.11n mode is smaller than 11ac mode, 11ax mode is smaller than 11be mode, so 11ac cover 11n, 11be cover 11ax.

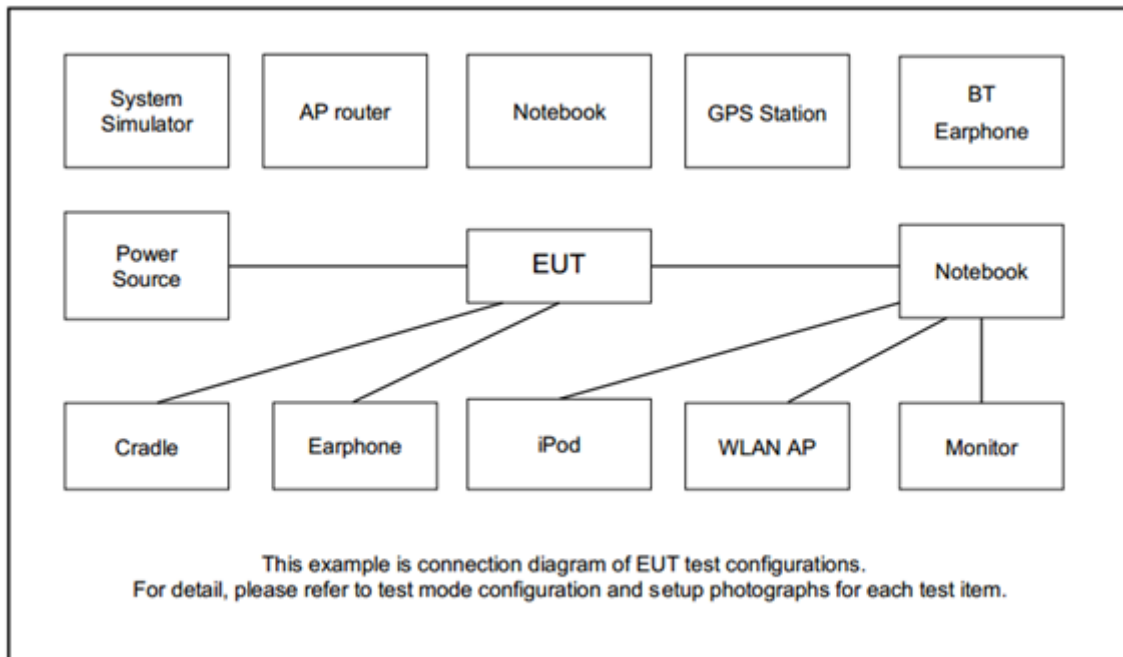
The final test modes include the worst data rates for each modulation shown in the table below.

MIMO Mode

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

Test Cases	
AC Conducted Emission	Mode 1: WLAN (5G) Link + Bluetooth Link + USB Cable (Charging from Adapter)
Remark: - The detailed Radiated test modes are shown in Appendix C. - For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.	

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Jlab Jbund Mini	2AHYV	FCC DoC	N/A	N/A
2.	WLAN AP	ASUS	GT-AXE11000	FCC DoC	N/A	Unshielded, 1.8m
3.	Notebook	Dell	Latitude 3420	FCC DoC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m

2.5 EUT Operation Test Setup

The RF test items, utility “adb version 1.0.41” 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 6.7 dB and 10 dB attenuator.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 6.7 + 10 = 16.7 \text{ (dB)}\end{aligned}$$

3 Test Result

3.1 6dB & 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 6dB and 26dB and 99% Occupied Bandwidth

The 6 dB bandwidth shall be at least 500kHz for 5725-5850MHz.

There is no restriction limits for 26dB and 99% Occupied bandwidth.

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

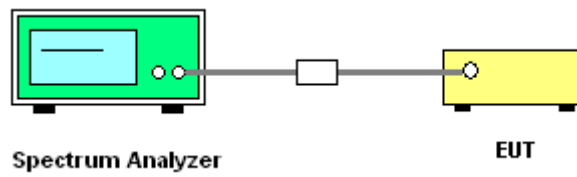
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.
Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) $\geq 3 * RBW$.
8. Measure and record the results in the test report.
9. For 6dB Bandwidth Measurement
 - (1) The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
 - (2) Section C) Emission bandwidth for the band 5.725-5.85 GHz
 - (3) Set RBW = 100 kHz.
 - (4) Set the VBW $\geq 3 \times RBW$.
 - (5) Detector = Peak.
 - (6) Trace mode = max hold
 - (7) Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
 - (8) Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

Please refer to Appendix A.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

- The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm $10 \log B$, where B is the 26 dB emission bandwidth in megahertz.

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

For the band 5.725–5.85 GHz bands:

- The maximum conducted output power over the frequency band of operation shall not exceed 1 W.

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

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

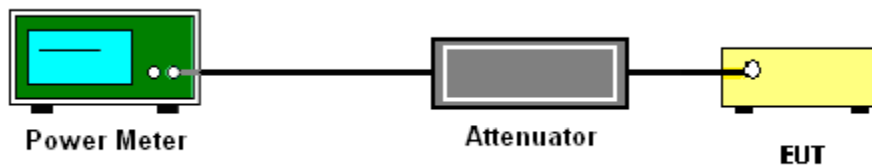
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

For the 5.15–5.25 GHz bands:

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1.0 MHz band.

For the 5.25–5.725 GHz bands:

The maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

For the 5.725–5.85 GHz bands:

The maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

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

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

For the band 5.15-5.725 GHz

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

Section F) Maximum power spectral density.

Method SA-2

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

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

1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method (a): Measure and sum the spectra across the outputs.

The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.

For the band 5.725–5.85 GHz

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

Section F) Maximum power spectral density.

Method SA-2

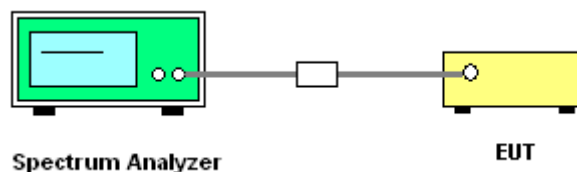
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 500kHz.
- Set VBW ≥ 1 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.

1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method (c): Measure and add $10 \log(N_{\text{ANT}})$ dB.

With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity $10 \log(N_{\text{ANT}})$ dB is added to each spectrum value before comparing to the emission limit. The addition of $10 \log(N_{\text{ANT}})$ dB serves to apportion the emission limit among the N_{ANT} outputs so that each output is permitted to contribute no more than $1/N_{\text{ANT}}^{\text{th}}$ of the PSD limit.

3.3.4 Test Setup**3.3.5 Test Result of Power Spectral Density**

Please refer to Appendix A.

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

- (1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27dBm/MHz.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band:

15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

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

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

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

EIRP (dBm)	Field Strength at 3m (dB μ V/m)
- 27	68.3

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

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

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

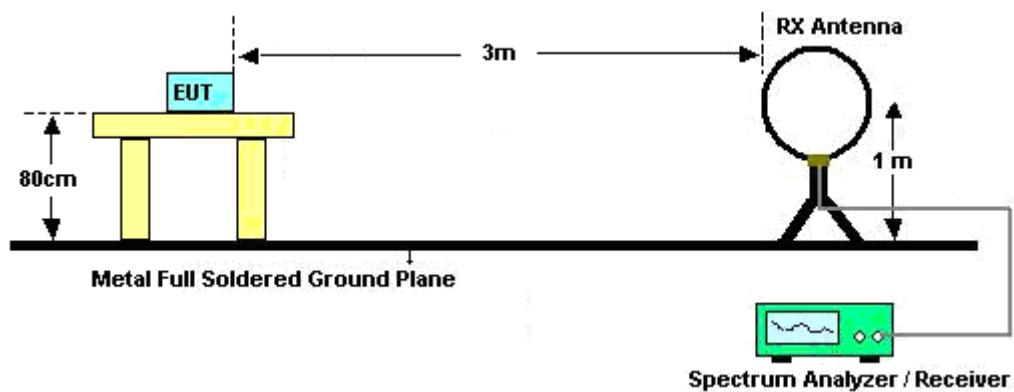
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

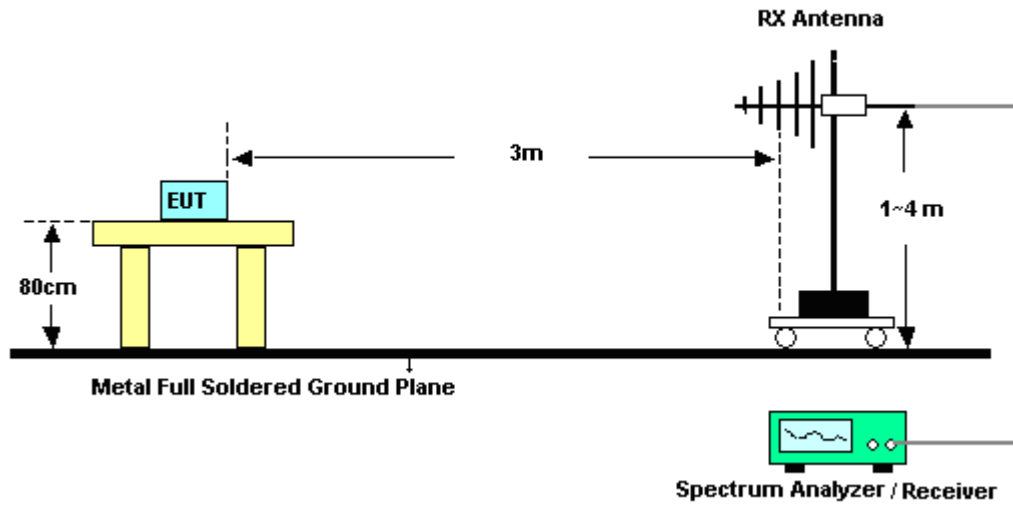
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna 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 “-”.

3.4.4 Test Setup

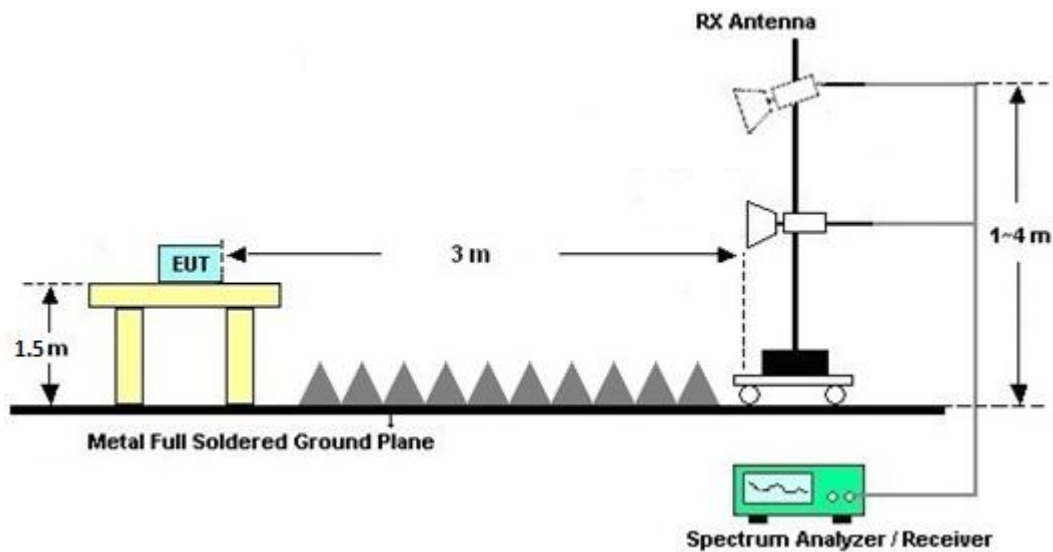
For radiated emissions below 30MHz



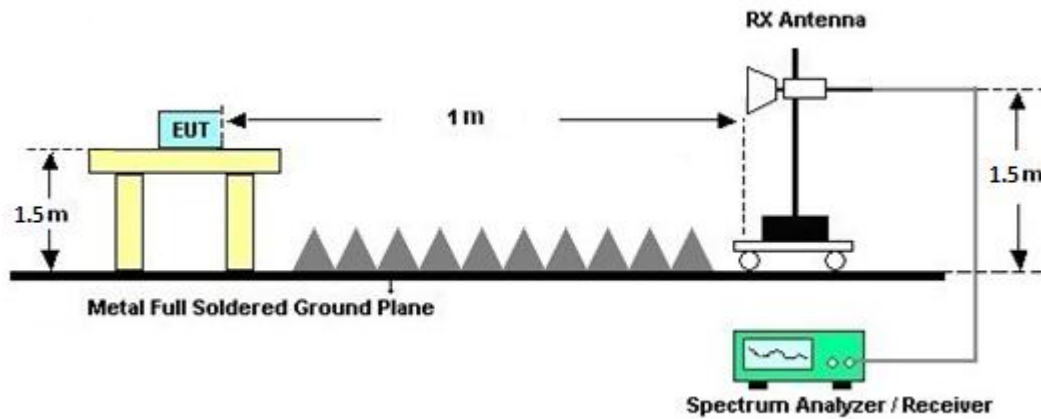
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.4.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix C.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

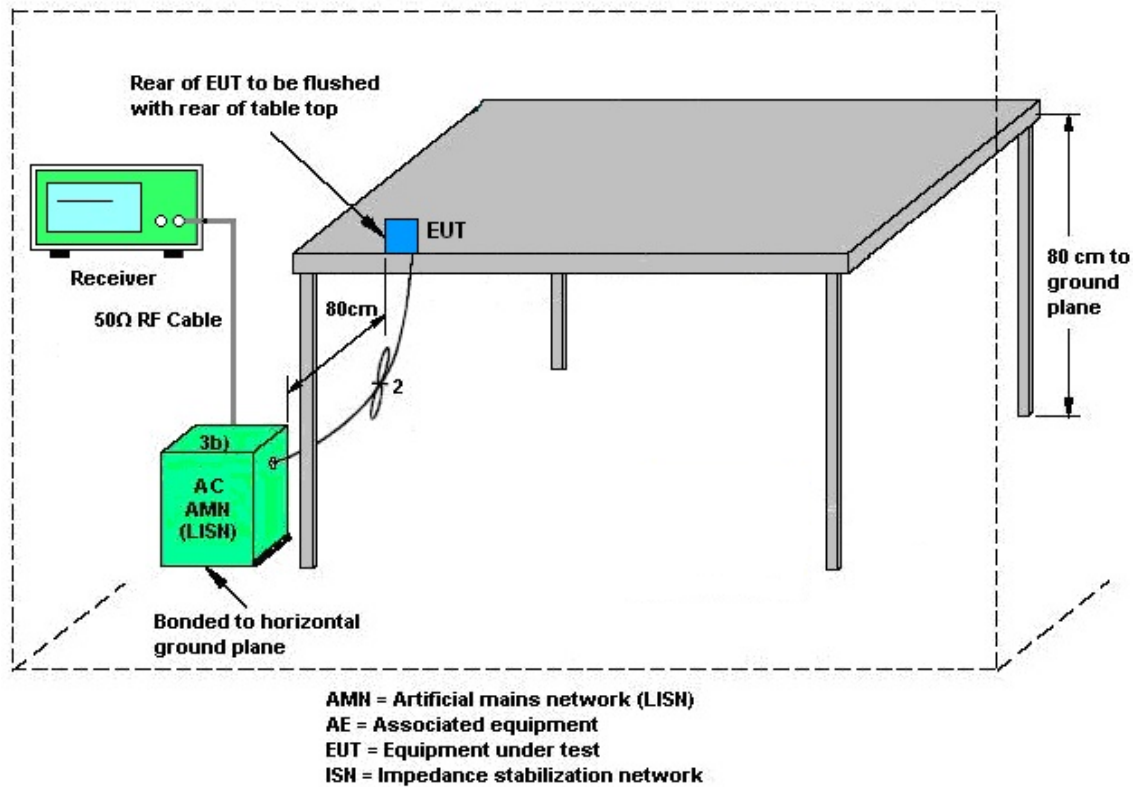
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

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
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9kHz~30MHz	Dec. 21, 2025	Jul. 18, 2026 ~ Jul. 29, 2026	Dec. 20, 2026	Radiation (03CH22-HY)
Bilog Antenna	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	63304 & 002	30MHz~1GHz	Nov. 26, 2025	Jul. 18, 2026 ~ Jul. 29, 2026	Nov. 25, 2026	Radiation (03CH22-HY)
Amplifier	SONOMA	310N	421581	N/A	Jul. 12, 2026	Jul. 18, 2026 ~ Jul. 29, 2026	Jul. 11, 2027	Radiation (03CH22-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C04A18 EN	1GHz~18GHz	May. 20, 2025	Jul. 18, 2026 ~ Jul. 29, 2026	May. 19, 2026	Radiation (03CH22-HY)
Horn Antenna	SCHWARZBEC K	BBHA 9170	1230	18GHz~40GHz	Nov. 05, 2025	Jul. 18, 2026 ~ Jul. 29, 2026	Nov. 04, 2026	Radiation (03CH22-HY)
Amplifier	EMEC	EM01G18GA	060877	N/A	Sep. 26, 2025	Jul. 18, 2026 ~ Jul. 29, 2026	Sep. 25, 2026	Radiation (03CH22-HY)
Preamplifier	EMEC	EM18G40G	060872	18~40GHz	Dec. 02, 2025	Jul. 18, 2026 ~ Jul. 29, 2026	Dec. 01, 2026	Radiation (03CH22-HY)
Signal Analyzer	Keysight	N9010B	MY6217027 8	10Hz~44GHz	Sep. 22, 2025	Jul. 18, 2026 ~ Jul. 29, 2026	Sep. 21, 2026	Radiation (03CH22-HY)
Hygrometer	TECPEL	DTM-303A	TP211469	N/A	Dec. 15, 2025	Jul. 18, 2026 ~ Jul. 29, 2026	Dec. 14, 2026	Radiation (03CH22-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Jul. 18, 2026 ~ Jul. 29, 2026	N/A	Radiation (03CH22-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jul. 18, 2026 ~ Jul. 29, 2026	N/A	Radiation (03CH22-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jul. 18, 2026 ~ Jul. 29, 2026	N/A	Radiation (03CH22-HY)
Software	Audix	E3	RK-002347	N/A	N/A	Jul. 18, 2026 ~ Jul. 29, 2026	N/A	Radiation (03CH22-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 04, 2026	Jul. 18, 2026 ~ Jul. 29, 2026	Mar. 03, 2027	Radiation (03CH22-HY)
RF Cable	HUBER + SUHNER/EMCI	SUCOFLEX 102/EMCI01Y-KM-KM-500/EMCI01Y-KM-KM-9000	804611/2,24 0914, 25043351,2 5043350	30MHz~40GHz	May. 18, 2026	Jul. 18, 2026 ~ Jul. 29, 2026	May. 17, 2027	Radiation (03CH22-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECEPIL	DTM-303A	TP201996	N/A	Nov. 04, 2025	Jul. 31, 2026 Aug. 10, 2026	Nov. 03, 2026	Conducted (TH05-HY)
USB RF Power Sensor	DARE	RPR3006W	17I00015SNO37 (NO:167)	10MHz~6GHz	Nov. 14, 2025	Jul. 31, 2026 Aug. 10, 2026	Nov. 13, 2026	Conducted (TH05-HY)
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV3044	101466	10HZ~44GHZ	Nov. 12, 2025	Jul. 31, 2026 Aug. 10, 2026	Nov. 11, 2026	Conducted (TH05-HY)
Switch Control Mainframe	EM Electronics	EMSW18SE	SW191204 (BOX8)	N/A	Dec. 29, 2025	Jul. 31, 2026 Aug. 10, 2026	Dec. 28, 2026	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_version_240513	N/A	Conducted Other Test Item	N/A	Jul. 31, 2026 Aug. 10, 2026	N/A	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Aug. 02, 2026	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	N/A	Dec. 16, 2025	Aug. 02, 2026	Dec. 15, 2026	Conduction (CO05-HY)
Hygrometer	TECEPIL	DTM-303A	TP210031	N/A	Jun. 15, 2026	Aug. 02, 2026	Jun. 14, 2027	Conduction (CO05-HY)
Two-Line V-Network	Rohde & Schwarz	ENV 216 +EMCI-EXP-US -US S	100080+N-021	N/A	Apr. 22, 2026	Aug. 02, 2026	Apr. 21, 2027	Conduction (CO05-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Apr. 10, 2026	Aug. 02, 2026	Apr. 09, 2027	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Aug. 02, 2026	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00373	N/A	Oct. 20, 2025	Aug. 02, 2026	Oct. 19, 2026	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	MQT24082501	N/A	Oct. 14, 2025	Aug. 02, 2026	Oct. 13, 2026	Conduction (CO05-HY)

5 Measurement Uncertainty

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

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0 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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A1. Conducted Test Results

Test Engineer:	Willy Chang/Eason Huang	Temperature:	21~25	°C
Test Date:	2026/7/31~08/10	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	
11a	6Mbps	2	36	5180	17.45	17.17	24.15	22.98	-	-	22.35	-	
11a	6Mbps	2	44	5220	17.42	17.19	24.24	23.30	-	-	22.35	-	
11a	6Mbps	2	48	5240	17.46	17.12	24.20	22.86	-	-	22.33	-	
VHT20	MCS0	2	36	5180	18.56	18.44	25.37	24.93	-	-	22.66	-	
VHT20	MCS0	2	44	5220	18.53	18.43	24.81	25.02	-	-	22.65	-	
VHT20	MCS0	2	48	5240	18.52	18.45	24.74	25.22	-	-	22.66	-	
VHT40	MCS0	2	38	5190	37.39	37.28	47.52	46.05	-	-	23.01	-	
VHT40	MCS0	2	46	5230	37.40	37.27	47.55	46.43	-	-	23.01	-	
VHT80	MCS0	2	42	5210	76.51	76.49	93.41	92.64	-	-	23.01	-	
VHT160	MCS0	2	50	5250	156.24	155.60	178.46	178.37	-	-	23.01	-	

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO												
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9	
11a	6Mbps	2	36	5180	9.99	8.36	12.26	24.00		0.50		Pass
11a	6Mbps	2	44	5220	9.94	8.38	12.24	24.00		0.50		Pass
11a	6Mbps	2	48	5240	9.64	8.21	11.99	24.00		0.50		Pass
HT20	MCS0	2	36	5180	9.86	8.24	12.14	24.00		0.50		Pass
HT20	MCS0	2	44	5220	9.85	8.18	12.11	24.00		0.50		Pass
HT20	MCS0	2	48	5240	9.88	8.48	12.25	24.00		0.50		Pass
HT40	MCS0	2	38	5190	9.92	8.45	12.26	24.00		0.50		Pass
HT40	MCS0	2	46	5230	9.57	8.01	11.87	24.00		0.50		Pass
VHT20	MCS0	2	36	5180	9.91	8.27	12.18	24.00		0.50		Pass
VHT20	MCS0	2	44	5220	9.89	8.22	12.15	24.00		0.50		Pass
VHT20	MCS0	2	48	5240	9.93	8.51	12.29	24.00		0.50		Pass
VHT40	MCS0	2	38	5190	9.95	8.49	12.29	24.00		0.50		Pass
VHT40	MCS0	2	46	5230	9.61	8.08	11.92	24.00		0.50		Pass
VHT80	MCS0	2	42	5210	9.61	8.08	11.92	24.00		0.50		Pass
VHT160	MCS0	2	50	5250	9.92	8.49	12.27	24.00		0.50		Pass

Power Setting	
Ant 8	Ant 9
8.5	
8.5	
8	
8.5	
8.5	
8.5	
8	
8.5	
8.5	
8.5	
8.5	
8	
8.5	
8.5	

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO														
Mod.	Data Rate	N _{rx}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 8	Ant 9	Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9	
11a	6Mbps	2	36	5180	0.04	0.04	-		0.10	11.00	3.02			Pass
11a	6Mbps	2	44	5220	0.04	0.04			0.04	11.00	3.02			Pass
11a	6Mbps	2	48	5240	0.04	0.04			-0.97	11.00	3.02			Pass
VHT20	MCS0	2	36	5180	0.02	0.02			-0.23	11.00	3.02			Pass
VHT20	MCS0	2	44	5220	0.02	0.02			-0.68	11.00	3.02			Pass
VHT20	MCS0	2	48	5240	0.02	0.02			-0.18	11.00	3.02			Pass
VHT40	MCS0	2	38	5190	0.02	0.02			-2.84	11.00	3.02			Pass
VHT40	MCS0	2	46	5230	0.02	0.02			-3.33	11.00	3.02			Pass
VHT80	MCS0	2	42	5210	0.02	0.02			-6.06	11.00	3.02			Pass
VHT160	MCS0	2	50	5250	0.00	0.00			-8.82	11.00	3.02			Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9	
HE20	MCS0	2	36	5180	Full	9.89	8.29	12.17	24.00		0.50		Pass
HE20	MCS0	2	44	5220	Full	9.84	8.21	12.11	24.00		0.50		Pass
HE20	MCS0	2	48	5240	Full	9.91	8.49	12.27	24.00		0.50		Pass
HE40	MCS0	2	38	5190	Full	9.91	8.46	12.26	24.00		0.50		Pass
HE40	MCS0	2	46	5230	Full	9.56	8.08	11.89	24.00		0.50		Pass
HE80	MCS0	2	42	5210	Full	9.61	8.07	11.92	24.00		0.50		Pass
HE160	MCS0	2	50	5250	Full	9.71	8.36	12.10	24.00		0.50		Pass

Power Setting	
Ant 8	Ant 9
8.5	
8.5	
8.5	
8.5	
8	
8.5	
8.5	

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 8	Ant 9	Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9	
HE20	MCS0	2	36	5180	Full	0.00	0.00	-		-0.78	11.00		3.02		Pass
HE20	MCS0	2	36	5180	26/0	0.02	0.02			-1.53	11.00		3.02		Pass
HE20	MCS0	2	36	5180	52/37	0.02	0.02			-1.47	11.00		3.02		Pass
HE20	MCS0	2	36	5180	106/53	0.03	0.03			-0.98	11.00		3.02		Pass
HE20	MCS0	2	44	5220	Full	0.00	0.00			-0.74	11.00		3.02		Pass
HE20	MCS0	2	48	5240	Full	0.00	0.00			-0.62	11.00		3.02		Pass
HE40	MCS0	2	38	5190	Full	0.01	0.01			-3.22	11.00		3.02		Pass
HE40	MCS0	2	46	5230	Full	0.01	0.01			-3.73	11.00		3.02		Pass
HE80	MCS0	2	42	5210	Full	0.00	0.00			-6.34	11.00		3.02		Pass
HE160	MCS0	2	50	5250	Full	0.00	0.00		-9.12	11.00		3.02		Pass	

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
						Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	
EHT20	MCS0	2	36	5180	Full	19.18	19.19	23.95	23.69	-	-	22.83	-	-
EHT20	MCS0	2	44	5220	Full	19.19	19.19	23.76	23.94	-	-	22.83	-	
EHT20	MCS0	2	48	5240	Full	19.17	19.20	23.15	23.40	-	-	22.83	-	
EHT40	MCS0	2	38	5190	Full	38.22	38.29	45.07	49.94	-	-	23.01	-	
EHT40	MCS0	2	46	5230	Full	38.30	38.31	44.69	45.09	-	-	23.01	-	
EHT80	MCS0	2	42	5210	Full	77.78	77.73	89.44	89.82	-	-	23.01	-	
EHT160	MCS0	2	50	5250	Full	157.72	157.25	177.60	174.34	-	-	23.01	-	

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO																
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail	Power Setting	
						Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9			Ant 8	Ant 9
EHT20	MCS0	2	36	5180	Full	9.93	8.32	12.21	24.00		0.50		-	Pass	8.5	
EHT20	MCS0	2	44	5220	Full	9.91	8.28	12.18	24.00		0.50			Pass	8.5	
EHT20	MCS0	2	48	5240	Full	9.94	8.56	12.31	24.00		0.50			Pass	8.5	
EHT40	MCS0	2	38	5190	Full	9.98	8.51	12.32	24.00		0.50			Pass	8.5	
EHT40	MCS0	2	46	5230	Full	9.64	8.12	11.96	24.00		0.50			Pass	8	
EHT80	MCS0	2	42	5210	Full	9.64	8.12	11.96	24.00		0.50			Pass	8.5	
EHT160	MCS0	2	50	5250	Full	9.99	8.57	12.35	24.00		0.50			Pass	8.5	

Power Setting	
Ant 8	Ant 9
8.5	
8.5	
8.5	
8.5	
8	
8.5	
8.5	

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO																
Mod.	Data Rate	N _{rx}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 8	Ant 9	Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9		
EHT20	MCS0	2	36	5180	Full	0.02	0.02				-0.77	11.00		3.02		Pass
EHT20	MCS0	2	36	5180	26/0	0.02	0.02				-1.17	11.00		3.02		Pass
EHT20	MCS0	2	36	5180	52/37	0.01	0.01				-0.98	11.00		3.02		Pass
EHT20	MCS0	2	36	5180	106/53	0.02	0.02				-0.95	11.00		3.02		Pass
EHT20	MCS0	2	36	5180	52T+26T	0.02	0.02				-0.85	11.00		3.02		Pass
EHT20	MCS0	2	36	5180	106T+26T	0.02	0.02				-1.06	11.00		3.02		Pass
EHT20	MCS0	2	44	5220	Full	0.02	0.02				-0.50	11.00		3.02		Pass
EHT20	MCS0	2	48	5240	Full	0.02	0.02				-0.39	11.00		3.02		Pass
EHT40	MCS0	2	38	5190	Full	0.02	0.02				-3.11	11.00		3.02		Pass
EHT40	MCS0	2	46	5230	Full	0.02	0.02				-3.59	11.00		3.02		Pass
EHT80	MCS0	2	42	5210	Full	0.02	0.02				-6.31	11.00		3.02		Pass
EHT80	MCS0	2	42	5210	Puncture 20/4	0.10	0.10				-6.58	11.00		3.02		Pass
EHT80	MCS0	2	42	5210	Large 484+242/4	0.10	0.10				-6.42	11.00		3.02		Pass
EHT160	MCS0	2	50	5250	Full	0.02	0.02				-9.09	11.00		3.02		Pass
EHT160	MCS0	2	50	5250	Puncture 20/1	0.02	0.02				-9.79	11.00		3.02		Pass
EHT160	MCS0	2	50	5250	Puncture 20/8	0.02	0.02				-9.86	11.00		3.02		Pass
EHT160	MCS0	2	50	5250	Puncture40/1	0.10	0.10			-9.12	11.00		3.02		Pass	
EHT160	MCS0	2	50	5250	Puncture40/4	0.10	0.10			-9.28	11.00		3.02		Pass	
EHT160	MCS0	2	50	5250	Large 996+484/3	0.10	0.10			-9.16	11.00		3.02		Pass	
EHT160	MCS0	2	50	5250	Large 996+484/4	0.10	0.10			-9.35	11.00		3.02		Pass	

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	
11a	6Mbps	2	52	5260	17.46	17.18	24.33	23.31	23.35		29.35		23.98		-
11a	6Mbps	2	60	5300	17.47	17.17	24.42	23.16	23.35		29.35		23.98		
11a	6Mbps	2	64	5320	17.48	17.18	24.53	23.38	23.35		29.35		23.98		
VHT20	MCS0	2	52	5260	18.55	18.45	25.17	25.22	23.66		29.66		23.98		
VHT20	MCS0	2	60	5300	18.56	18.44	25.14	25.15	23.66		29.66		23.98		
VHT20	MCS0	2	64	5320	18.56	18.44	25.52	25.18	23.66		29.66		23.98		
VHT40	MCS0	2	54	5270	37.51	37.27	47.38	46.67	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	37.43	37.22	47.09	46.62	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	156.24	155.60	178.46	178.37	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9		
11a	6Mbps	2	52	5260	9.77	8.05	12.00	23.98		0.50		30	Pass
11a	6Mbps	2	60	5300	9.59	7.79	11.79	23.98		0.50		30	Pass
11a	6Mbps	2	64	5320	9.57	8.14	11.92	23.98		0.50		30	Pass
HT20	MCS0	2	52	5260	9.52	8.02	11.84	23.98		0.50		30	Pass
HT20	MCS0	2	60	5300	9.88	8.05	12.07	23.98		0.50		30	Pass
HT20	MCS0	2	64	5320	9.90	8.46	12.25	23.98		0.50		30	Pass
HT40	MCS0	2	54	5270	9.64	8.12	11.96	23.98		0.50		30	Pass
HT40	MCS0	2	62	5310	9.56	8.01	11.86	23.98		0.50		30	Pass
VHT20	MCS0	2	52	5260	9.54	8.04	11.86	23.98		0.50		30	Pass
VHT20	MCS0	2	60	5300	9.91	8.11	12.11	23.98		0.50		30	Pass
VHT20	MCS0	2	64	5320	9.93	8.49	12.28	23.98		0.50		30	Pass
VHT40	MCS0	2	54	5270	9.68	8.15	11.99	23.98		0.50		30	Pass
VHT40	MCS0	2	62	5310	9.62	8.04	11.91	23.98		0.50		30	Pass
VHT80	MCS0	2	58	5290	9.92	8.18	12.15	23.98		0.50		30	Pass

Power Setting	
Ant 8	Ant 9
8	
8	
8	
8	
8.5	
8.5	
8	
8	
8	
8.5	
8.5	
8	
8	
8.5	

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 8	Ant 9	Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9	
11a	6Mbps	2	52	5260	0.04	0.04	-		-0.18	11.00	3.02	-		Pass
11a	6Mbps	2	60	5300	0.04	0.04			-0.28	11.00	3.02			Pass
11a	6Mbps	2	64	5320	0.04	0.04			-0.29	11.00	3.02			Pass
VHT20	MCS0	2	52	5260	0.02	0.02			-0.44	11.00	3.02			Pass
VHT20	MCS0	2	60	5300	0.02	0.02			0.11	11.00	3.02			Pass
VHT20	MCS0	2	64	5320	0.02	0.02			0.08	11.00	3.02			Pass
VHT40	MCS0	2	54	5270	0.02	0.02			-3.09	11.00	3.02			Pass
VHT40	MCS0	2	62	5310	0.02	0.02			-3.19	11.00	3.02			Pass
VHT80	MCS0	2	58	5290	0.02	0.02			-5.84	11.00	3.02			Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9		
HE20	MCS0	2	52	5260	Full	9.61	8.03	11.90	23.98		0.50		30	Pass
HE20	MCS0	2	60	5300	Full	9.91	8.06	12.09	23.98		0.50		30	Pass
HE20	MCS0	2	64	5320	Full	9.96	8.54	12.32	23.98		0.50		30	Pass
HE20	MCS0	2	64	5320	26/8	-1.21	-2.17	1.35	23.98		0.50		30	Pass
HE20	MCS0	2	64	5320	52/40	2.08	0.61	4.42	23.98		0.50		30	Pass
HE20	MCS0	2	64	5320	106/54	5.45	3.90	7.75	23.98		0.50		30	Pass
HE40	MCS0	2	54	5270	Full	9.68	8.12	11.98	23.98		0.50		30	Pass
HE40	MCS0	2	62	5310	Full	9.57	8.01	11.87	23.98		0.50		30	Pass
HE80	MCS0	2	58	5290	Full	9.92	8.16	12.14	23.98		0.50		30	Pass
HE160	MCS0	2	50	5250	Full	9.71	8.36	12.10	23.98		0.50		30	Pass

Power Setting	
Ant 8	Ant 9
8	
8.5	
8.5	
-2	
1.5	
5	
8	
8	
8.5	
8.5	

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO															
Mod.	Data Rate	N _{rx}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 8	Ant 9	Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9	
HE20	MCS0	2	52	5260	Full	0.00	0.00	-		-0.81	11.00	3.02			Pass
HE20	MCS0	2	60	5300	Full	0.00	0.00			-0.52	11.00	3.02			Pass
HE20	MCS0	2	64	5320	Full	0.00	0.00			-0.71	11.00	3.02			Pass
HE20	MCS0	2	64	5320	26/8	0.02	0.02			-1.49	11.00	3.02			Pass
HE20	MCS0	2	64	5320	52/40	0.02	0.02			-1.21	11.00	3.02			Pass
HE20	MCS0	2	64	5320	106/54	0.03	0.03			-1.06	11.00	3.02			Pass
HE40	MCS0	2	54	5270	Full	0.01	0.01			-3.43	11.00	3.02			Pass
HE40	MCS0	2	62	5310	Full	0.01	0.01			-3.73	11.00	3.02			Pass
HE80	MCS0	2	58	5290	Full	0.00	0.00			-6.04	11.00	3.02			Pass
HE160	MCS0	2	50	5250	Full	0.00	0.00	-9.12	11.00	3.02		Pass			

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO																
Mod.	Data Rate	N _{Tx}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
						Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	
EHT20	MCS0	2	52	5260	Full	19.19	19.17	23.71	23.90	23.83		29.83		23.98	-	
EHT20	MCS0	2	60	5300	Full	19.20	19.16	23.42	24.07	23.82		29.82		23.98		
EHT20	MCS0	2	64	5320	Full	19.19	19.16	23.56	24.05	23.82		29.82		23.98		
EHT40	MCS0	2	54	5270	Full	38.27	38.30	45.70	45.34	23.98		30.00		23.98		
EHT40	MCS0	2	62	5310	Full	38.25	38.25	45.57	45.73	23.98		30.00		23.98		
EHT80	MCS0	2	58	5290	Full	77.82	77.74	91.07	88.67	23.98		30.00		23.98		
EHT160	MCS0	2	50	5250	Full	157.72	157.25	177.60	174.34	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO																
Mod.	Data Rate	N _{Tx}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail	Power Setting	
						Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9				
EHT20	MCS0	2	52	5260	Full	9.63	8.06	11.93	23.98		0.50		30	Pass	8	
EHT20	MCS0	2	60	5300	Full	9.92	8.14	12.13	23.98		0.50		30	Pass	8.5	
EHT20	MCS0	2	64	5320	Full	9.97	8.61	12.35	23.98		0.50		30	Pass	8.5	
EHT40	MCS0	2	54	5270	Full	9.73	8.18	12.03	23.98		0.50		30	Pass	8	
EHT40	MCS0	2	62	5310	Full	9.65	8.06	11.94	23.98		0.50		30	Pass	8	
EHT80	MCS0	2	58	5290	Full	9.96	8.22	12.19	23.98		0.50		30	Pass	8.5	
EHT160	MCS0	2	50	5250	Full	9.99	8.57	12.35	23.98		0.50		30	Pass	8.5	

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)		Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 8	Ant 9	Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8		
EHT20	MCS0	2	52	5260	Full	0.02	0.02	-		-0.67	11.00		3.02		Pass
EHT20	MCS0	2	60	5300	Full	0.02	0.02			-0.20	11.00		3.02		Pass
EHT20	MCS0	2	64	5320	Full	0.02	0.02			-0.56	11.00		3.02		Pass
EHT20	MCS0	2	64	5320	26/8	0.02	0.02			-1.05	11.00		3.02		Pass
EHT20	MCS0	2	64	5320	52/40	0.01	0.01			-0.86	11.00		3.02		Pass
EHT20	MCS0	2	64	5320	106/54	0.02	0.02			-0.72	11.00		3.02		Pass
EHT20	MCS0	2	64	5320	52T+26T	0.02	0.02			-0.74	11.00		3.02		Pass
EHT20	MCS0	2	64	5320	106T+26T	0.02	0.02			-1.03	11.00		3.02		Pass
EHT40	MCS0	2	54	5270	Full	0.02	0.02			-3.41	11.00		3.02		Pass
EHT40	MCS0	2	62	5310	Full	0.02	0.02			-3.68	11.00		3.02		Pass
EHT80	MCS0	2	58	5290	Full	0.02	0.02			-5.91	11.00		3.02		Pass
EHT80	MCS0	2	58	5290	Puncture 20/1	0.10	0.10			-6.04	11.00		3.02		Pass
EHT80	MCS0	2	58	5290	Large 484+242/2	0.10	0.10			-6.03	11.00		3.02		Pass
EHT160	MCS0	2	50	5250	Full	0.02	0.02			-9.09	11.00		3.02		Pass
EHT160	MCS0	2	50	5250	Puncture 20/1	0.02	0.02			-9.79	11.00		3.02		Pass
EHT160	MCS0	2	50	5250	Puncture 20/8	0.02	0.02			-9.86	11.00		3.02		Pass
EHT160	MCS0	2	50	5250	Puncture40/1	0.10	0.10		-9.12	11.00		3.02		Pass	
EHT160	MCS0	2	50	5250	Puncture40/4	0.10	0.10		-9.28	11.00		3.02		Pass	
EHT160	MCS0	2	50	5250	Large 996+484/3	0.10	0.10		-9.16	11.00		3.02		Pass	
EHT160	MCS0	2	50	5250	Large 996+484/4	0.10	0.10		-9.35	11.00		3.02		Pass	

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9
11a	6Mbps	2	100	5500	17.46	17.15	24.50	23.08	23.34		29.34		23.98		----	----
11a	6Mbps	2	116	5580	17.48	17.16	24.74	23.60	23.35		29.35		23.98		----	----
11a	6Mbps	2	140	5700	17.42	17.12	23.88	22.86	23.33		29.33		23.98		----	----
VHT20	MCS0	2	100	5500	18.55	18.41	25.42	25.01	23.65		29.65		23.98		----	----
VHT20	MCS0	2	116	5580	18.55	18.41	24.71	25.11	23.65		29.65		23.98		----	----
VHT20	MCS0	2	140	5700	18.55	18.43	25.26	25.02	23.65		29.65		23.98		----	----
VHT40	MCS0	2	102	5510	37.41	37.32	47.01	46.32	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	37.35	37.27	46.34	45.94	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	37.49	37.26	47.31	46.45	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	76.52	76.52	92.93	92.48	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	76.49	76.50	93.18	92.58	23.98		30.00		23.98		----	----
VHT160	MCS0	2	114	5570	156.29	156.07	179.38	178.46	23.98		30.00		23.98		----	----

U-NII-2C straddle channel single antenna																
U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9
11a	6Mbps	2	144	5720	13.89	13.62	17.49	16.68	23.35		29.35		23.98		3.255	3.29
VHT20	MCS0	2	144	5720	14.33	14.26	17.50	17.59	23.66		29.66		23.98		3.84	3.865
VHT40	MCS0	2	142	5710	33.73	33.59	38.70	39.34	23.98		30.00		23.98		3.243	3.549
VHT80	MCS0	2	138	5690	73.36	73.32	82.10	81.91	23.98		30.00		23.98		2.776	2.84
6dB Bandwidth Limit ≥ 500kHz															Pass	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9		
11a	6Mbps	2	100	5500	9.98	8.54	12.33	23.98		0.50		30	Pass
11a	6Mbps	2	116	5580	9.51	8.22	11.92	23.98		0.50		30	Pass
11a	6Mbps	2	140	5700	9.64	8.09	11.94	23.98		0.50		30	Pass
HT20	MCS0	2	100	5500	9.91	8.49	12.27	23.98		0.50		30	Pass
HT20	MCS0	2	116	5580	9.55	8.62	12.12	23.98		0.50		30	Pass
HT20	MCS0	2	140	5700	9.62	8.45	12.08	23.98		0.50		30	Pass
HT40	MCS0	2	102	5510	9.91	8.55	12.29	23.98		0.50		30	Pass
HT40	MCS0	2	110	5550	9.83	8.83	12.37	23.98		0.50		30	Pass
HT40	MCS0	2	134	5670	9.61	8.75	12.21	23.98		0.50		30	Pass
VHT20	MCS0	2	100	5500	9.94	8.53	12.30	23.98		0.50		30	Pass
VHT20	MCS0	2	116	5580	9.59	8.67	12.16	23.98		0.50		30	Pass
VHT20	MCS0	2	140	5700	9.66	8.49	12.12	23.98		0.50		30	Pass
VHT40	MCS0	2	102	5510	9.95	8.57	12.32	23.98		0.50		30	Pass
VHT40	MCS0	2	110	5550	9.86	8.88	12.41	23.98		0.50		30	Pass
VHT40	MCS0	2	134	5670	9.65	8.76	12.24	23.98		0.50		30	Pass
VHT80	MCS0	2	106	5530	9.68	8.51	12.14	23.98		0.50		30	Pass
VHT80	MCS0	2	122	5610	9.66	8.77	12.25	23.98		0.50		30	Pass
VHT160	MCS0	2	114	5570	9.88	8.89	12.42	23.98		0.50		30	Pass

Power Setting	
Ant 8	Ant 9
8.5	
8.5	
8.5	
8.5	
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8.5	
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8.5	
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FCC U-NII-2C straddle channel MIMO													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9		
11a	6Mbps	2	144	5720	9.61	8.21	11.98	23.98		0.50		30	Pass
HT20	MCS0	2	144	5720	9.78	8.51	12.20	23.98		0.50		30	Pass
HT40	MCS0	2	142	5710	9.76	8.57	12.22	23.98		0.50		30	Pass
VHT20	MCS0	2	144	5720	9.81	8.57	12.24	23.98		0.50		30	Pass
VHT40	MCS0	2	142	5710	9.81	8.62	12.27	23.98		0.50		30	Pass
VHT80	MCS0	2	138	5690	9.71	8.65	12.22	23.98		0.50		30	Pass

Power Setting	
Ant 8	Ant 9
8.5	
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9	
9	

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO															
Mod.	Data Rate	N _{Tx}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 8	Ant 9	Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9		
11a	6Mbps	2	100	5500	0.04	0.04	-		0.44	11.00	3.02			Pass	
11a	6Mbps	2	116	5580	0.04	0.04			-0.18	11.00	3.02			Pass	
11a	6Mbps	2	140	5700	0.04	0.04			-0.26	11.00	3.02			Pass	
VHT20	MCS0	2	100	5500	0.02	0.02			0.13	11.00	3.02			Pass	
VHT20	MCS0	2	116	5580	0.02	0.02			-0.15	11.00	3.02			Pass	
VHT20	MCS0	2	140	5700	0.02	0.02			-0.24	11.00	3.02			Pass	
VHT40	MCS0	2	102	5510	0.02	0.02			-2.68	11.00	3.02			Pass	
VHT40	MCS0	2	110	5550	0.02	0.02			-2.85	11.00	3.02			Pass	
VHT40	MCS0	2	134	5670	0.02	0.02			-3.15	11.00	3.02			Pass	
VHT80	MCS0	2	106	5530	0.02	0.02			-5.99	11.00	3.02			Pass	
VHT80	MCS0	2	122	5610	0.02	0.02			-6.11	11.00	3.02			Pass	
VHT160	MCS0	2	114	5570	0.00	0.00			-8.87	11.00	3.02			Pass	

U-NII-2C straddle channel MIMO															
Mod.	Data Rate	N _{rx}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 8	Ant 9	Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9		
11a	6Mbps	2	144	5720	0.04	0.04	-		-0.29	11.00	3.02	-		Pass	
VHT20	MCS0	2	144	5720	0.02	0.02			0.01	11.00	3.02			Pass	
VHT40	MCS0	2	142	5710	0.02	0.02			-2.97	11.00	3.02			Pass	
VHT80	MCS0	2	138	5690	0.02	0.02			-6.09	11.00	3.02			Pass	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9		
HE20	MCS0	2	100	5500	Full	9.91	8.49	12.27	23.98		0.50		30	Pass
HE20	MCS0	2	116	5580	Full	9.59	8.66	12.16	23.98		0.50		30	Pass
HE20	MCS0	2	140	5700	Full	9.65	8.49	12.12	23.98		0.50		30	Pass
HE40	MCS0	2	102	5510	Full	9.91	8.57	12.30	23.98		0.50		30	Pass
HE40	MCS0	2	110	5550	Full	9.82	8.88	12.39	23.98		0.50		30	Pass
HE40	MCS0	2	134	5670	Full	9.62	8.72	12.20	23.98		0.50		30	Pass
HE80	MCS0	2	106	5530	Full	9.65	8.49	12.12	23.98		0.50		30	Pass
HE80	MCS0	2	122	5610	Full	9.62	8.75	12.22	23.98		0.50		30	Pass
HE160	MCS0	2	114	5570	Full	9.68	8.71	12.23	23.98		0.50		30	Pass

Power Setting	
Ant 8	Ant 9
8.5	
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8.5	
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8.5	
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FCC U-NII-2C straddle channel MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9		
HE20	MCS0	2	144	5720	Full	9.82	8.62	12.27	23.98		0.50		30	Pass
HE40	MCS0	2	142	5710	Full	9.75	8.57	12.21	23.98		0.50		30	Pass
HE80	MCS0	2	138	5690	Full	9.73	8.62	12.22	23.98		0.50		30	Pass

Power Setting	
Ant 8	Ant 9
9	
9	
9	

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO																
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 8	Ant 9	Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9		
HE20	MCS0	2	100	5500	Full	0.00	0.00	-		-0.28	11.00	3.02		-	Pass	
HE20	MCS0	2	100	5500	26/0	0.02	0.02			-0.66	11.00	3.02			Pass	
HE20	MCS0	2	100	5500	52/37	0.02	0.02			-0.93	11.00	3.02			Pass	
HE20	MCS0	2	100	5500	106/53	0.03	0.03			-0.45	11.00	3.02			Pass	
HE20	MCS0	2	116	5580	Full	0.00	0.00			-0.65	11.00	3.02			Pass	
HE20	MCS0	2	140	5700	Full	0.00	0.00			-0.49	11.00	3.02			Pass	
HE20	MCS0	2	140	5700	26/8	0.02	0.02			-1.10	11.00	3.02			Pass	
HE20	MCS0	2	140	5700	52/40	0.02	0.02			-0.95	11.00	3.02			Pass	
HE20	MCS0	2	140	5700	106/54	0.03	0.03			-0.82	11.00	3.02			Pass	
HE40	MCS0	2	102	5510	Full	0.01	0.01			-3.01	11.00	3.02			Pass	
HE40	MCS0	2	110	5550	Full	0.01	0.01			-2.87	11.00	3.02			Pass	
HE40	MCS0	2	134	5670	Full	0.01	0.01			-3.48	11.00	3.02			Pass	
HE80	MCS0	2	106	5530	Full	0.00	0.00			-6.20	11.00	3.02			Pass	
HE80	MCS0	2	122	5610	Full	0.00	0.00			-6.40	11.00	3.02			Pass	
HE160	MCS0	2	114	5570	Full	0.00	0.00			-9.18	11.00	3.02			Pass	

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 8	Ant 9	Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9		
HE20	MCS0	2	144	5720	Full	0.00	0.00	-		-0.55	11.00	3.02		-	Pass	
HE40	MCS0	2	142	5710	Full	0.01	0.01			-3.29	11.00	3.02			Pass	
HE80	MCS0	2	138	5690	Full	0.00	0.00			-6.33	11.00	3.02			Pass	

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																	
Mod.	Data Rate	N _{rx}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9
EHT20	MCS0	2	100	5500	Full	19.18	19.18	23.69	23.68	23.83		29.83		23.98		----	----
EHT20	MCS0	2	116	5580	Full	19.18	19.18	23.62	23.90	23.83		29.83		23.98		----	----
EHT20	MCS0	2	140	5700	Full	19.18	19.18	23.51	24.12	23.83		29.83		23.98		----	----
EHT40	MCS0	2	102	5510	Full	38.27	38.34	45.65	44.86	23.98		30.00		23.98		----	----
EHT40	MCS0	2	110	5550	Full	38.23	38.26	45.33	45.95	23.98		30.00		23.98		----	----
EHT40	MCS0	2	134	5670	Full	38.25	38.29	45.10	45.44	23.98		30.00		23.98		----	----
EHT80	MCS0	2	106	5530	Full	77.83	77.76	91.04	91.07	23.98		30.00		23.98		----	----
EHT80	MCS0	2	122	5610	Full	77.80	77.79	89.60	90.91	23.98		30.00		23.98		----	----
EHT160	MCS0	2	114	5570	Full	157.66	157.59	178.22	176.69	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																	
Mod.	Data Rate	N _{rx}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9
EHT20	MCS0	2	144	5720	Full	14.58	14.59	16.74	16.98	23.82		29.82		23.98		4.495	4.325
EHT40	MCS0	2	142	5710	Full	34.15	34.12	37.58	37.70	23.98		30.00		23.98		3.693	4.071
EHT80	MCS0	2	138	5690	Full	73.94	73.96	81.02	80.12	23.98		30.00		23.98		3.512	2.936
6dB Bandwidth Limit ≥ 500kHz																Pass	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9		
EHT20	MCS0	2	100	5500	Full	9.98	8.61	12.36	23.98		0.50		30	Pass
EHT20	MCS0	2	116	5580	Full	9.65	8.74	12.23	23.98		0.50		30	Pass
EHT20	MCS0	2	140	5700	Full	9.71	8.66	12.23	23.98		0.50		30	Pass
EHT40	MCS0	2	102	5510	Full	9.99	8.62	12.37	23.98		0.50		30	Pass
EHT40	MCS0	2	110	5550	Full	9.89	8.92	12.44	23.98		0.50		30	Pass
EHT40	MCS0	2	134	5670	Full	9.68	8.79	12.27	23.98		0.50		30	Pass
EHT80	MCS0	2	106	5530	Full	9.71	8.54	12.17	23.98		0.50		30	Pass
EHT80	MCS0	2	122	5610	Full	9.68	8.81	12.28	23.98		0.50		30	Pass
EHT160	MCS0	2	114	5570	Full	9.98	8.96	12.51	23.98		0.50		30	Pass

Power Setting	
Ant 8	Ant 9
8.5	
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8.5	
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8.5	
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FCC U-NII-2C straddle channel MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9		
EHT20	MCS0	2	144	5720	Full	9.91	8.73	12.37	23.98		0.50		30	Pass
EHT40	MCS0	2	142	5710	Full	9.83	8.65	12.29	23.98		0.50		30	Pass
EHT80	MCS0	2	138	5690	Full	9.76	8.69	12.27	23.98		0.50		30	Pass

Power Setting	
Ant 8	Ant 9
9	
9	
9	

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO															
Mod.	Data Rate	N _{rx}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 8	Ant 9	Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9	
EHT20	MCS0	2	100	5500	Full	0.02	0.02	-		-0.18	11.00	3.02			Pass
EHT20	MCS0	2	100	5500	26/0	0.02	0.02			-0.27	11.00	3.02			Pass
EHT20	MCS0	2	100	5500	52/37	0.01	0.01			-0.65	11.00	3.02			Pass
EHT20	MCS0	2	100	5500	106/53	0.02	0.02			-0.24	11.00	3.02			Pass
EHT20	MCS0	2	100	5500	52T+26T	0.02	0.02			-0.24	11.00	3.02			Pass
EHT20	MCS0	2	100	5500	106T+26T	0.02	0.02			-0.28	11.00	3.02			Pass
EHT20	MCS0	2	116	5580	Full	0.02	0.02			-0.37	11.00	3.02			Pass
EHT20	MCS0	2	140	5700	Full	0.02	0.02			-0.22	11.00	3.02			Pass
EHT20	MCS0	2	140	5700	26/8	0.02	0.02			-0.68	11.00	3.02			Pass
EHT20	MCS0	2	140	5700	52/40	0.01	0.01			-0.63	11.00	3.02			Pass
EHT20	MCS0	2	140	5700	106/54	0.02	0.02			-0.61	11.00	3.02			Pass
EHT20	MCS0	2	140	5700	52T+26T	0.02	0.02			-0.61	11.00	3.02			Pass
EHT20	MCS0	2	140	5700	106T+26T	0.02	0.02			-0.60	11.00	3.02			Pass
EHT40	MCS0	2	102	5510	Full	0.02	0.02			-2.93	11.00	3.02			Pass
EHT40	MCS0	2	110	5550	Full	0.02	0.02			-2.82	11.00	3.02			Pass
EHT40	MCS0	2	134	5670	Full	0.02	0.02			-3.45	11.00	3.02			Pass
EHT80	MCS0	2	106	5530	Full	0.02	0.02			-6.09	11.00	3.02			Pass
EHT80	MCS0	2	106	5530	Puncture 20/4	0.10	0.10			-6.18	11.00	3.02			Pass
EHT80	MCS0	2	106	5530	Large 484+242/4	0.10	0.10			-6.23	11.00	3.02			Pass
EHT80	MCS0	2	122	5610	Full	0.02	0.02			-6.25	11.00	3.02			Pass
EHT80	MCS0	2	122	5610	Puncture 20/1	0.10	0.10	-6.26	11.00	3.02		Pass			
EHT80	MCS0	2	122	5610	Large 484+242/2	0.10	0.10	-6.40	11.00	3.02		Pass			
EHT160	MCS0	2	114	5570	Full	0.02	0.02	-9.13	11.00	3.02		Pass			
EHT160	MCS0	2	114	5570	Puncture 20/1	0.02	0.02	-9.17	11.00	3.02		Pass			
EHT160	MCS0	2	114	5570	Puncture 20/8	0.02	0.02	-9.32	11.00	3.02		Pass			
EHT160	MCS0	2	114	5570	Puncture40/1	0.10	0.10	-9.59	11.00	3.02		Pass			
EHT160	MCS0	2	114	5570	Puncture40/4	0.10	0.10	-9.40	11.00	3.02		Pass			
EHT160	MCS0	2	114	5570	Large 996+484/3	0.10	0.10	-9.27	11.00	3.02		Pass			
EHT160	MCS0	2	114	5570	Large 996+484/4	0.10	0.10	-9.40	11.00	3.02		Pass			

U-NII-2C straddle channel MIMO															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 8	Ant 9	Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9	
EHT20	MCS0	2	144	5720	Full	0.02	0.02	-		-0.14	11.00		3.02	-	Pass
EHT40	MCS0	2	142	5710	Full	0.02	0.02			-3.11	11.00		3.02		Pass
EHT80	MCS0	2	138	5690	Full	0.02	0.02			-6.26	11.00		3.02		Pass
EHT80	MCS0	2	138	5690	Puncture 20/1	0.10	0.10			-6.50	11.00		3.02		Pass
EHT80	MCS0	2	138	5690	Large 484+242/4	0.10	0.10			-6.55	11.00		3.02		Pass

A2. Conducted Test Results

Test Engineer:	Willy Chang	Temperature:	21~25	°C
Test Date:	2026/7/31~2026/8/10	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9		
11a	6Mbps	2	149	5745	17.50	17.22	24.24	23.58	16.35	16.36	0.5	Pass
11a	6Mbps	2	157	5785	17.47	17.15	24.34	22.96	16.34	16.34	0.5	Pass
11a	6Mbps	2	165	5825	17.46	17.22	24.30	23.31	16.33	16.33	0.5	Pass
VHT20	MCS0	2	149	5745	18.67	18.55	25.38	24.95	17.59	17.58	0.5	Pass
VHT20	MCS0	2	157	5785	18.61	18.48	25.43	25.55	17.56	17.56	0.5	Pass
VHT20	MCS0	2	165	5825	18.58	18.43	24.99	25.10	17.58	17.54	0.5	Pass
VHT40	MCS0	2	151	5755	37.35	37.17	46.66	46.59	36.35	36.32	0.5	Pass
VHT40	MCS0	2	159	5795	37.37	37.18	47.30	46.27	36.31	35.94	0.5	Pass
VHT80	MCS0	2	155	5775	76.76	76.79	93.38	91.97	74.50	73.82	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9	
11a	6Mbps	2	149	5745	10.59	9.33	13.02	30.00		0.50		Pass
11a	6Mbps	2	157	5785	10.57	9.43	13.05	30.00		0.50		Pass
11a	6Mbps	2	165	5825	10.53	9.36	12.99	30.00		0.50		Pass
HT20	MCS0	2	149	5745	10.52	9.25	12.94	30.00		0.50		Pass
HT20	MCS0	2	157	5785	10.48	9.28	12.93	30.00		0.50		Pass
HT20	MCS0	2	165	5825	10.50	9.30	12.95	30.00		0.50		Pass
HT40	MCS0	2	151	5755	10.57	9.34	13.01	30.00		0.50		Pass
HT40	MCS0	2	159	5795	10.46	9.34	12.95	30.00		0.50		Pass
VHT20	MCS0	2	149	5745	10.54	9.28	12.97	30.00		0.50		Pass
VHT20	MCS0	2	157	5785	10.50	9.31	12.96	30.00		0.50		Pass
VHT20	MCS0	2	165	5825	10.51	9.31	12.96	30.00		0.50		Pass
VHT40	MCS0	2	151	5755	10.61	9.39	13.05	30.00		0.50		Pass
VHT40	MCS0	2	159	5795	10.48	9.38	12.98	30.00		0.50		Pass
VHT80	MCS0	2	155	5775	10.43	9.29	12.91	30.00		0.50		Pass

Power Setting	
Ant 8	Ant 9
9.5	
9.5	
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9.5	
9.5	
9.5	
9.5	
9.5	
9.5	

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO														
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 8	Ant 9	Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9	
11a	6Mbps	2	149	5745	0.04	0.04	-4.40	-5.33	-1.39	30.00		3.02		Pass
11a	6Mbps	2	157	5785	0.04	0.04	-4.39	-5.13	-1.38	30.00		3.02		Pass
11a	6Mbps	2	165	5825	0.04	0.04	-4.37	-5.08	-1.36	30.00		3.02		Pass
VHT20	MCS0	2	149	5745	0.02	0.02	-4.62	-5.57	-1.61	30.00		3.02		Pass
VHT20	MCS0	2	157	5785	0.02	0.02	-4.70	-5.51	-1.69	30.00		3.02		Pass
VHT20	MCS0	2	165	5825	0.02	0.02	-4.66	-5.44	-1.65	30.00		3.02		Pass
VHT40	MCS0	2	151	5755	0.02	0.02	-7.33	-8.27	-4.32	30.00		3.02		Pass
VHT40	MCS0	2	159	5795	0.02	0.02	-7.51	-8.39	-4.50	30.00		3.02		Pass
VHT80	MCS0	2	155	5775	0.02	0.02	-10.49	-11.47	-7.48	30.00		3.02		Pass

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail	Power Setting	
						Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9			
HE20	MCS0	2	149	5745	Full	10.55	9.28	12.97	30.00		0.50		Pass	Ant 8	Ant 9
HE20	MCS0	2	149	5745	26/0	0.72	-0.31	3.25	30.00		0.50		Pass	9.5	
HE20	MCS0	2	149	5745	52/37	3.02	1.95	5.53	30.00		0.50		Pass	0.5	
HE20	MCS0	2	149	5745	106/53	7.01	5.41	9.29	30.00		0.50		Pass	3	
HE20	MCS0	2	149	5745	106/53	7.01	5.41	9.29	30.00		0.50		Pass	6.5	
HE20	MCS0	2	157	5785	Full	10.49	9.31	12.95	30.00		0.50		Pass	9.5	
HE20	MCS0	2	165	5825	Full	10.52	9.30	12.96	30.00		0.50		Pass	9.5	
HE20	MCS0	2	165	5825	26/8	0.48	-0.31	3.11	30.00		0.50		Pass	0.5	
HE20	MCS0	2	165	5825	52/40	2.81	2.09	5.48	30.00		0.50		Pass	2.5	
HE20	MCS0	2	165	5825	106/54	6.82	5.68	9.30	30.00		0.50		Pass	6.5	
HE40	MCS0	2	151	5755	Full	10.59	9.38	13.04	30.00		0.50		Pass	9.5	
HE40	MCS0	2	159	5795	Full	10.47	9.35	12.96	30.00		0.50		Pass	9.5	
HE80	MCS0	2	155	5775	Full	10.41	9.29	12.90	30.00		0.50		Pass	9.5	

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 8	Ant 9	Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9	
HE20	MCS0	2	149	5745	Full	0.00	0.00	-4.88	-5.83	-1.87	30.00		3.02		Pass
HE20	MCS0	2	149	5745	26/0	0.02	0.02	-5.28	-5.29	-2.27	30.00		3.02		Pass
HE20	MCS0	2	149	5745	52/37	0.02	0.02	-5.84	-6.61	-2.83	30.00		3.02		Pass
HE20	MCS0	2	149	5745	106/53	0.03	0.03	-5.27	-6.42	-2.26	30.00		3.02		Pass
HE20	MCS0	2	157	5785	Full	0.00	0.00	-4.97	-5.77	-1.96	30.00		3.02		Pass
HE20	MCS0	2	165	5825	Full	0.00	0.00	-4.97	-5.77	-1.96	30.00		3.02		Pass
HE20	MCS0	2	165	5825	26/8	0.02	0.02	-5.25	-5.40	-2.24	30.00		3.02		Pass
HE20	MCS0	2	165	5825	52/40	0.02	0.02	-5.51	-6.06	-2.50	30.00		3.02		Pass
HE20	MCS0	2	165	5825	106/54	0.03	0.03	-5.14	-5.53	-2.13	30.00		3.02		Pass
HE40	MCS0	2	151	5755	Full	0.01	0.01	-7.78	-8.66	-4.77	30.00		3.02		Pass
HE40	MCS0	2	159	5795	Full	0.01	0.01	-7.94	-8.72	-4.93	30.00		3.02		Pass
HE80	MCS0	2	155	5775	Full	0.00	0.00	-10.76	-11.60	-7.75	30.00		3.02		Pass

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 8	Ant 9	Ant 8	Ant 9	Ant 8	Ant 9		
EHT20	MCS0	2	149	5745	Full	19.20	19.19	23.49	23.56	18.80	18.96	0.5	Pass
EHT20	MCS0	2	157	5785	Full	19.20	19.19	23.67	23.78	18.87	18.87	0.5	Pass
EHT20	MCS0	2	165	5825	Full	19.18	19.20	23.38	24.16	18.70	18.61	0.5	Pass
EHT40	MCS0	2	151	5755	Full	38.29	38.33	45.65	44.75	37.92	37.36	0.5	Pass
EHT40	MCS0	2	159	5795	Full	38.27	38.37	44.93	45.15	37.71	37.75	0.5	Pass
EHT80	MCS0	2	155	5775	Full	77.76	77.70	90.24	90.18	77.78	77.55	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail	Power Setting	
						Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9			
EHT20	MCS0	2	149	5745	Full	9.79	9.31	12.57	30.00		0.50		Pass	Ant 8	Ant 9
EHT20	MCS0	2	149	5745	26/0	0.09	-0.15	2.98	30.00		0.50		Pass		
EHT20	MCS0	2	149	5745	52/37	2.47	2.01	5.26	30.00		0.50		Pass		
EHT20	MCS0	2	149	5745	106/53	6.38	5.47	8.96	30.00		0.50		Pass		
EHT20	MCS0	2	149	5745	52T+26T	4.88	4.01	7.48	30.00		0.50		Pass		
EHT20	MCS0	2	149	5745	106T+26T	6.39	5.44	8.95	30.00		0.50		Pass		
EHT20	MCS0	2	157	5785	Full	9.72	9.34	12.54	30.00		0.50		Pass		
EHT20	MCS0	2	165	5825	Full	9.74	9.33	12.55	30.00		0.50		Pass		
EHT20	MCS0	2	165	5825	26/8	-0.21	-0.18	2.82	30.00		0.50		Pass		
EHT20	MCS0	2	165	5825	52/40	2.15	2.22	5.20	30.00		0.50		Pass		
EHT20	MCS0	2	165	5825	106/54	6.12	5.74	8.94	30.00		0.50		Pass		
EHT20	MCS0	2	165	5825	52T+26T	4.64	4.61	7.64	30.00		0.50		Pass		
EHT20	MCS0	2	165	5825	106T+26T	6.69	6.63	9.67	30.00		0.50		Pass		
EHT40	MC	2	151	5755	Full	10.63	9.43	13.08	30.00		0.50		Pass		
EHT40	MCS0	2	159	5795	Full	10.51	9.41	13.01	30.00		0.50		Pass		
EHT80	MCS0	2	155	5775	Full	10.53	9.33	12.98	30.00		0.50		Pass		
EHT80	MCS0	2	155	5775	Puncture 20/1	9.65	8.18	11.99	30.00		0.50		Pass		
EHT80	MCS0	2	155	5775	Puncture 20/4	8.77	7.04	11.00	30.00		0.50		Pass		
EHT80	MCS0	2	155	5775	Large 484+242/1	9.56	8.11	11.91	30.00		0.50		Pass		
EHT80	MCS0	2	155	5775	Large 484+242/4	8.78	6.92	10.96	30.00		0.50		Pass		

TEST RESULTS DATA
Power Spectral Density

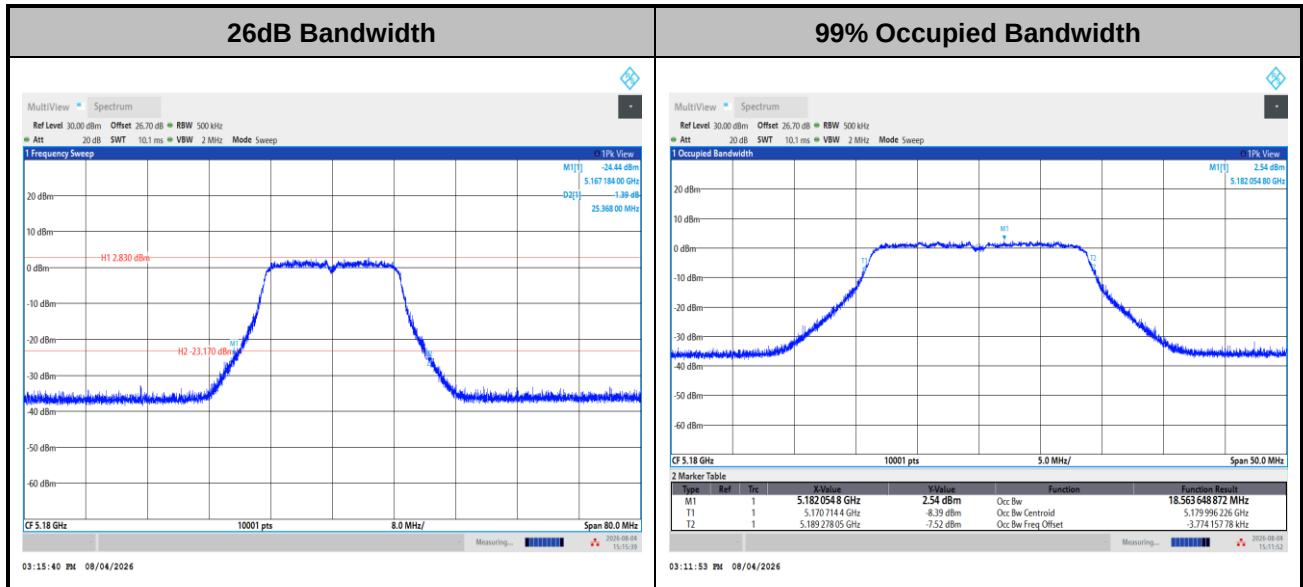
U-NII-3 MIMO															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 8	Ant 9	Ant 8	Ant 9	SUM	Ant 8	Ant 9	Ant 8	Ant 9	
EHT20	MCS0	2	149	5745	Full	0.00	0.00	-4.77	-5.83	-1.76	30.00		3.02		Pass
EHT20	MCS0	2	149	5745	26/0	0.02	0.02	-4.89	-5.77	-1.88	30.00		3.02		Pass
EHT20	MCS0	2	149	5745	52/37	0.01	0.01	-5.52	-6.61	-2.51	30.00		3.02		Pass
EHT20	MCS0	2	149	5745	106/53	0.02	0.02	-4.79	-6.25	-1.78	30.00		3.02		Pass
EHT20	MCS0	2	149	5745	52T+26T	0.02	0.02	-4.85	-6.31	-1.84	30.00		3.02		Pass
EHT20	MCS0	2	149	5745	106T+26T	0.02	0.02	-5.27	-6.90	-2.26	30.00		3.02		Pass
EHT20	MCS0	2	157	5785	Full	0.00	0.00	-4.88	-5.73	-1.87	30.00		3.02		Pass
EHT20	MCS0	2	165	5825	Full	0.00	0.00	-4.87	-5.74	-1.86	30.00		3.02		Pass
EHT20	MCS0	2	165	5825	26/8	0.02	0.02	-5.06	-5.54	-2.05	30.00		3.02		Pass
EHT20	MCS0	2	165	5825	52/40	0.01	0.01	-5.47	-5.97	-2.46	30.00		3.02		Pass
EHT20	MCS0	2	165	5825	106/54	0.02	0.02	-4.90	-5.59	-1.89	30.00		3.02		Pass
EHT20	MCS0	2	165	5825	52T+26T	0.02	0.02	-5.06	-5.68	-2.05	30.00		3.02		Pass
EHT20	MCS0	2	165	5825	106T+26T	0.02	0.02	-5.01	-5.65	-2.00	30.00		3.02		Pass
EHT40	MCS0	2	151	5755	Full	0.02	0.02	-7.58	-8.56	-4.57	30.00		3.02		Pass
EHT40	MCS0	2	159	5795	Full	0.02	0.02	-7.82	-8.73	-4.81	30.00		3.02		Pass
EHT80	MCS0	2	155	5775	Full	0.02	0.02	-10.69	-11.55	-7.68	30.00		3.02		Pass
EHT80	MCS0	2	155	5775	Puncture 20/1	0.07	0.07	-10.76	-11.88	-7.75	30.00		3.02		Pass
EHT80	MCS0	2	155	5775	Puncture 20/4	0.07	0.07	-10.72	-12.33	-7.71	30.00		3.02		Pass
EHT80	MCS0	2	155	5775	Large 484+242/	0.07	0.07	-10.88	-12.06	-7.87	30.00		3.02		Pass
EHT80	MCS0	2	155	5775	Large 484+242/	0.07	0.07	-11.10	-12.70	-8.09	30.00		3.02		Pass

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

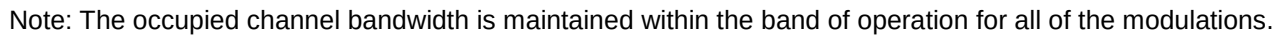




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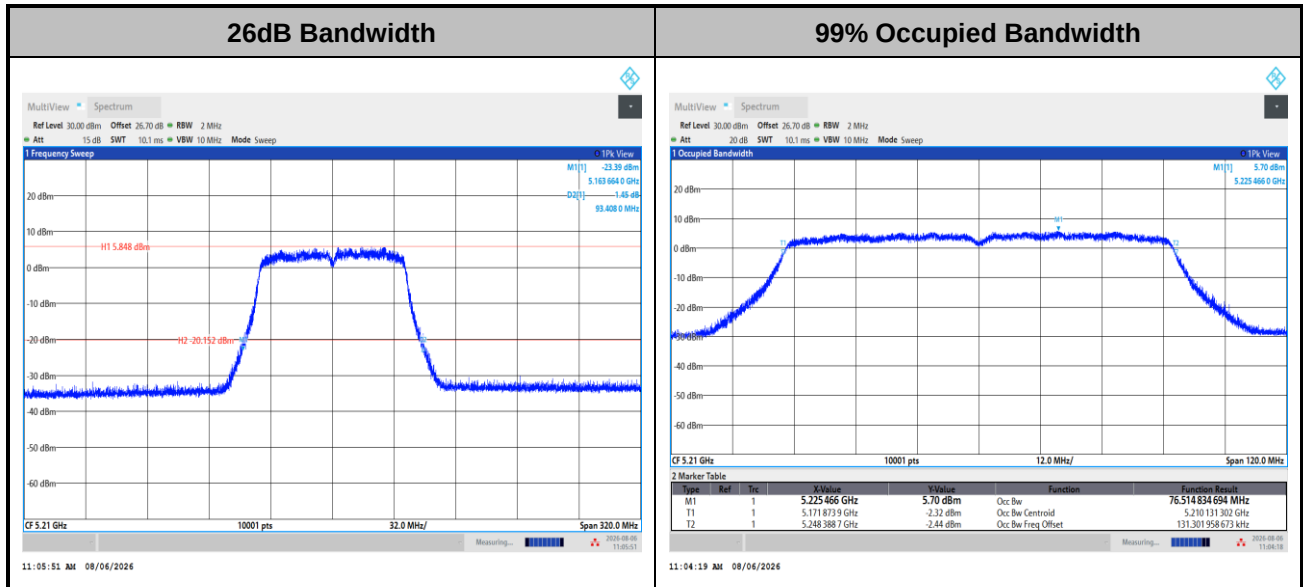


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.





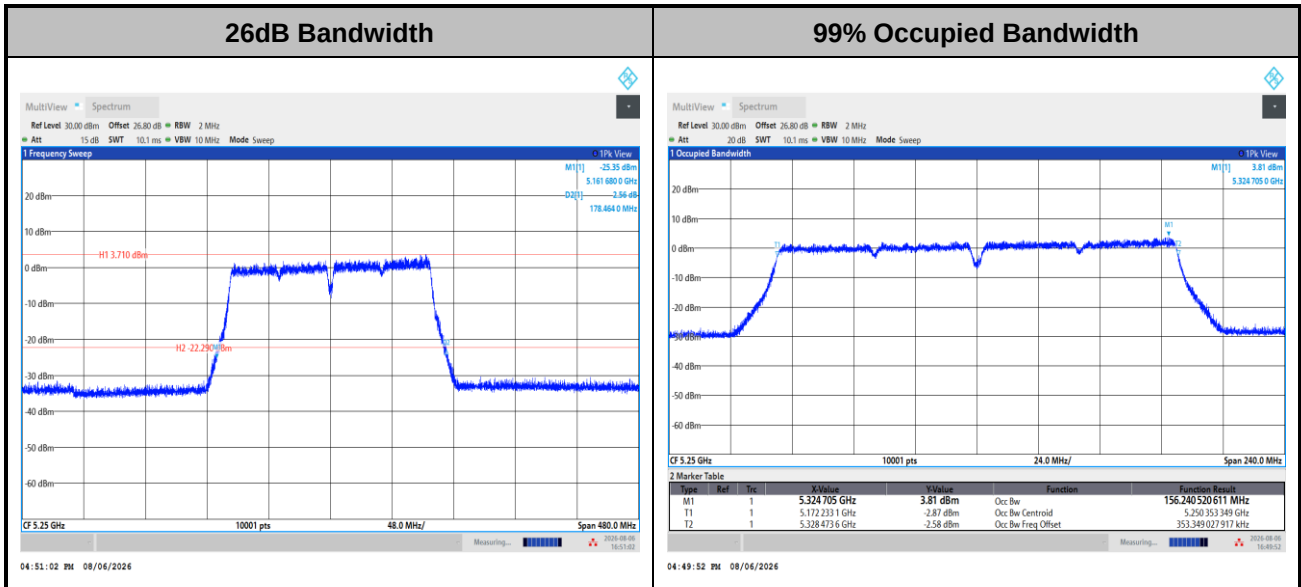
<802.11ac VHT80>



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



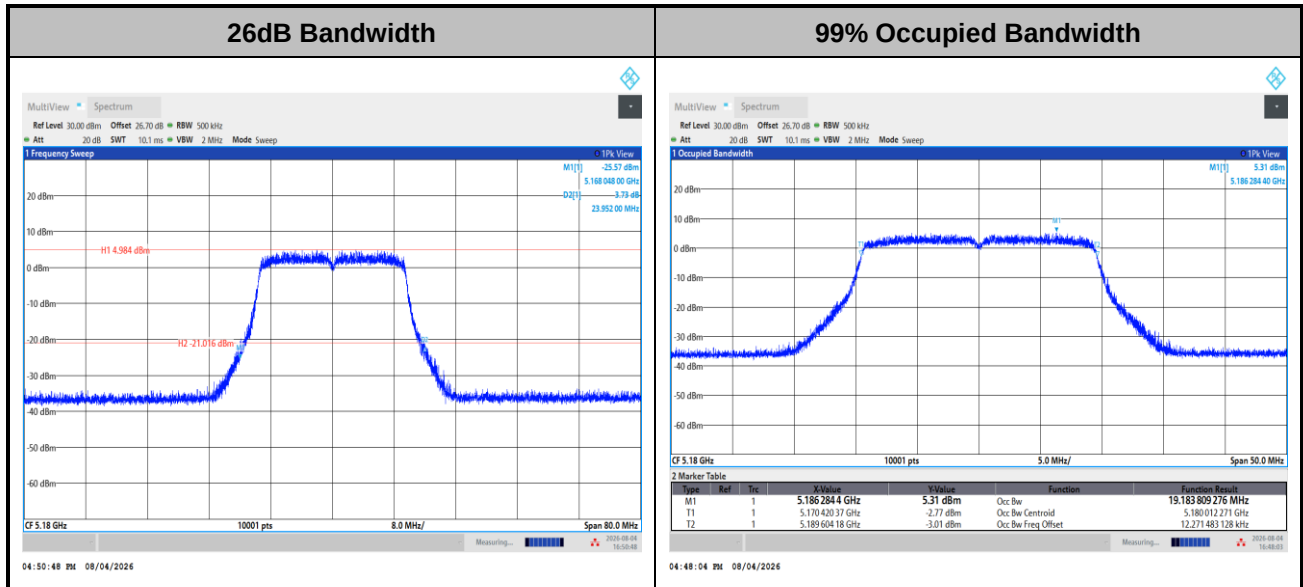
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Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

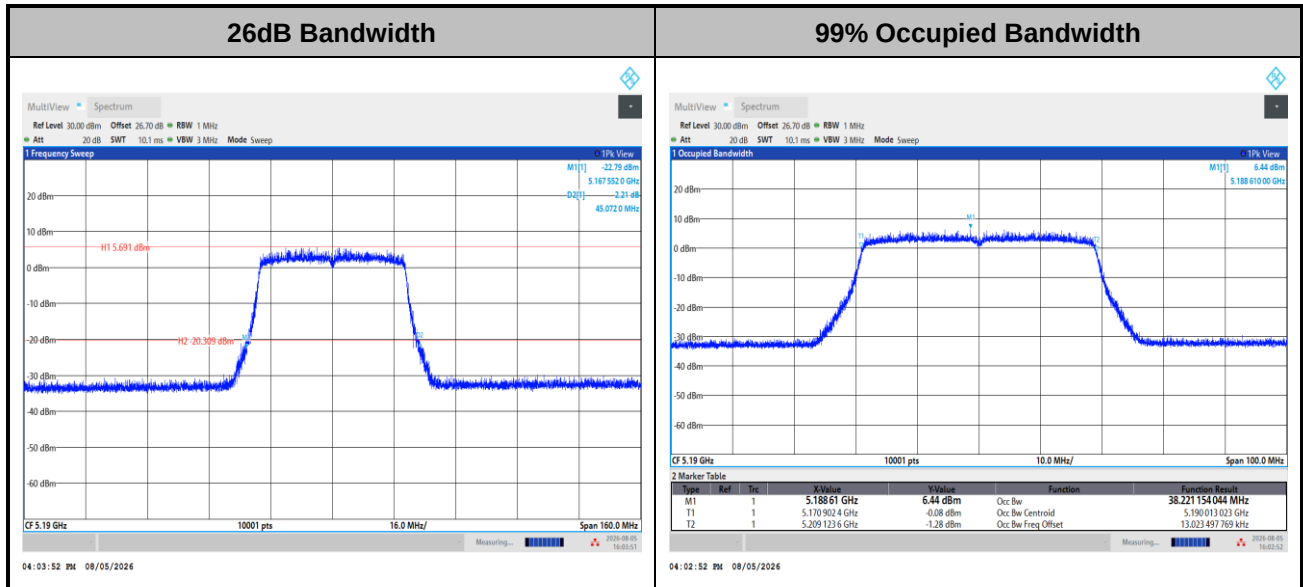


<802.11be EHT20>



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

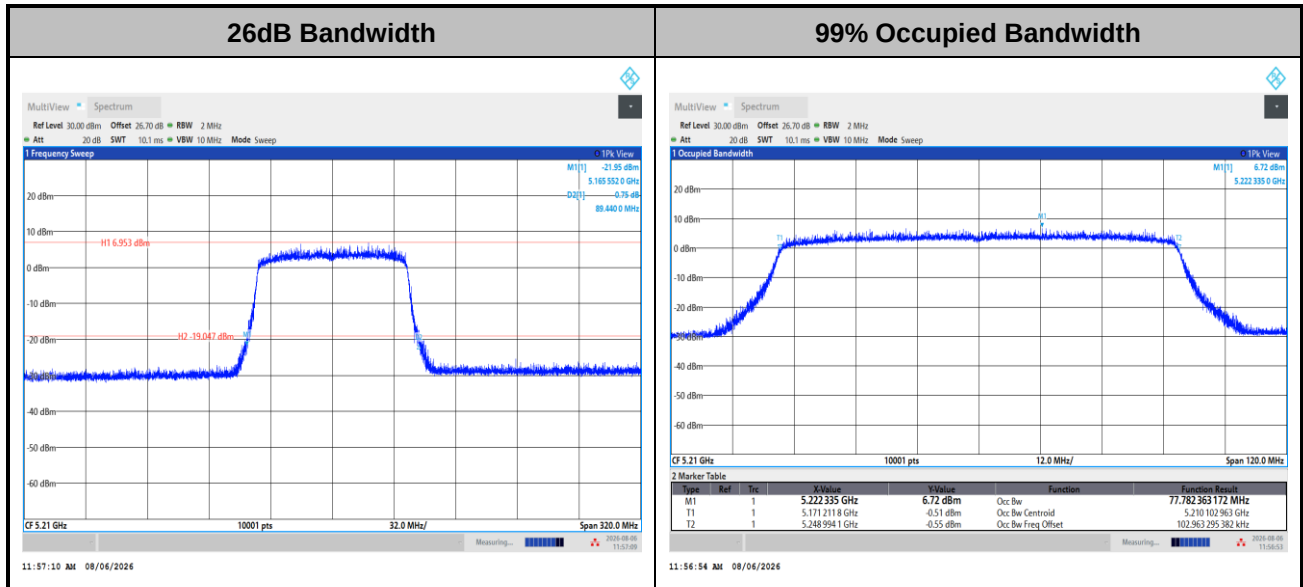
<802.11be EHT40>



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



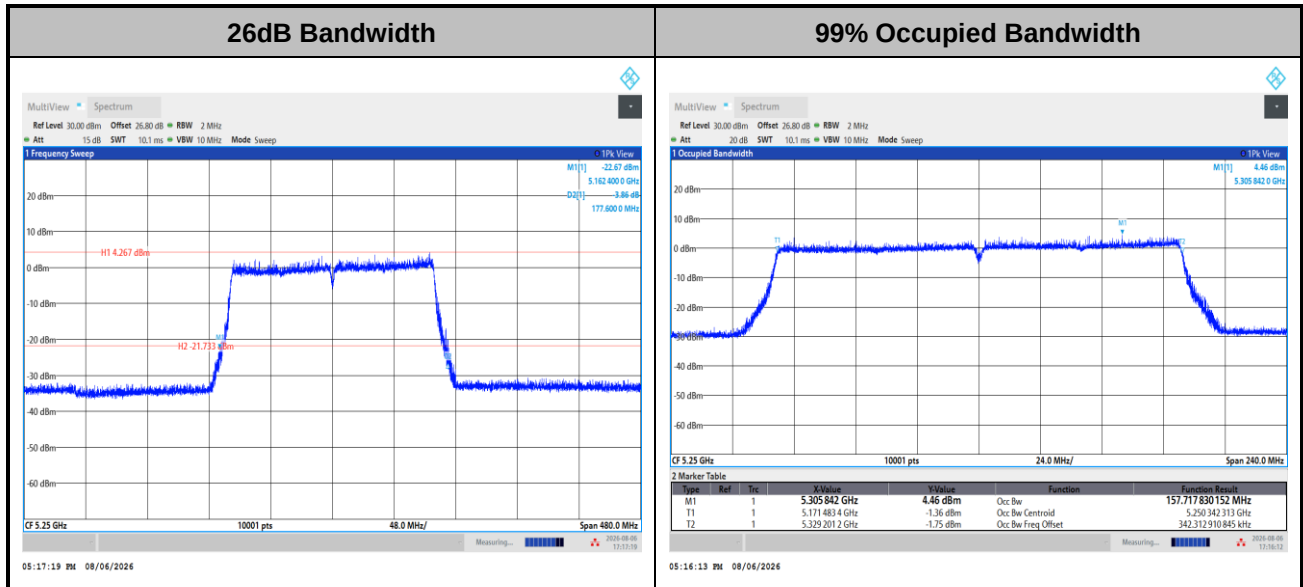
<802.11be EHT80>



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



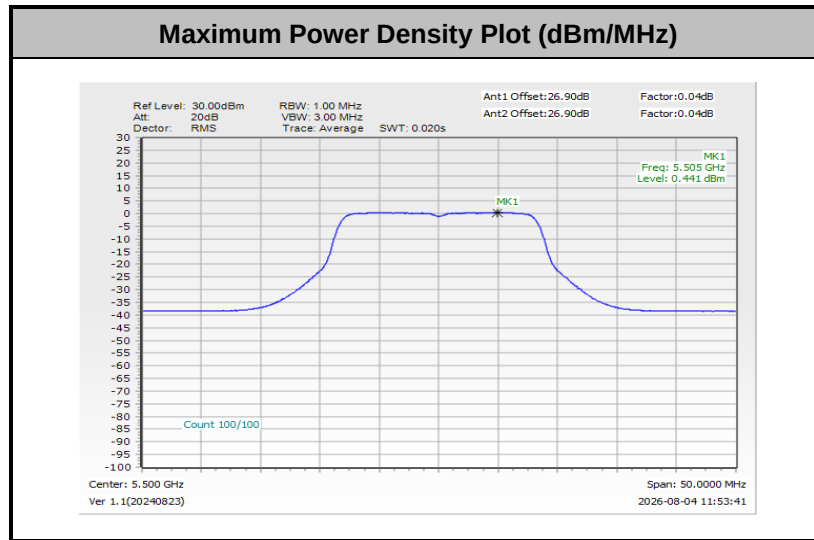
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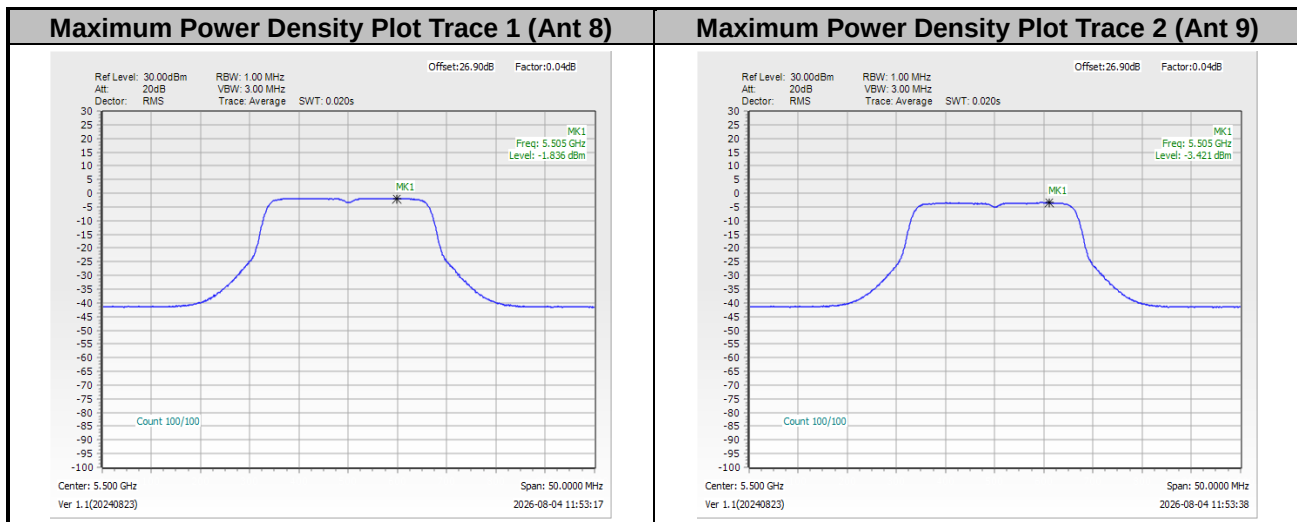
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

**Test Result of Power Spectral Density**

<802.11a>

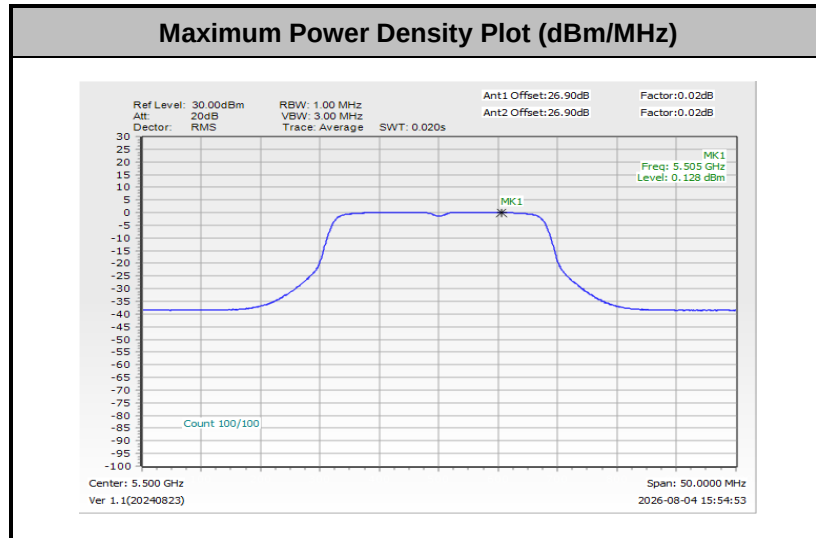


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

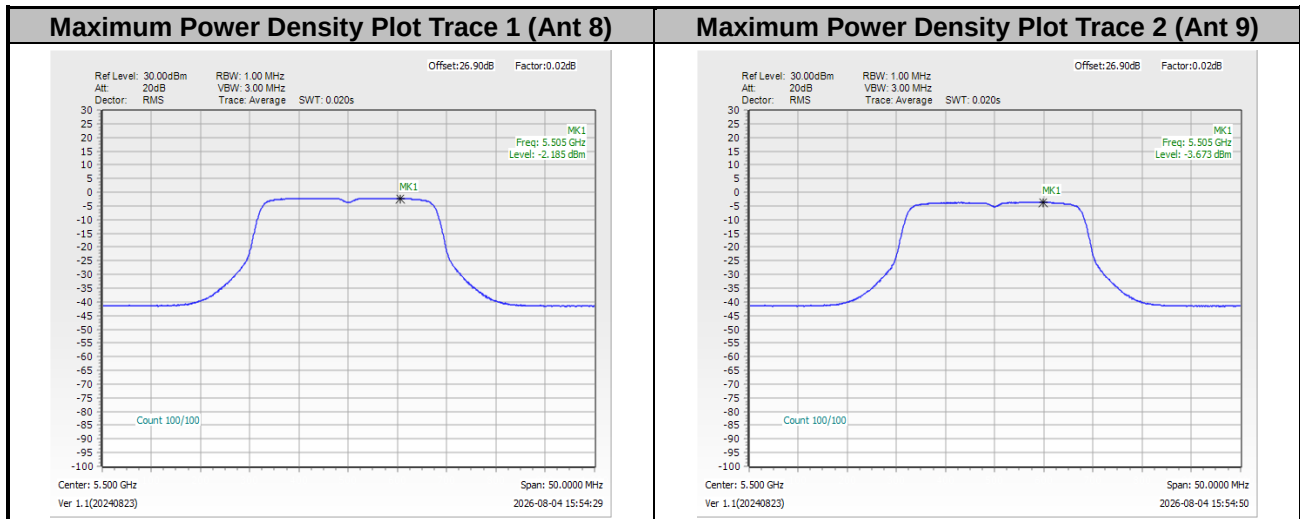




<802.11ac VHT20>



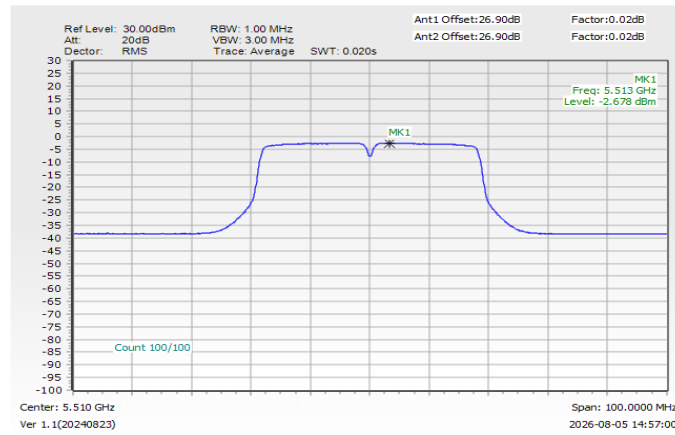
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.





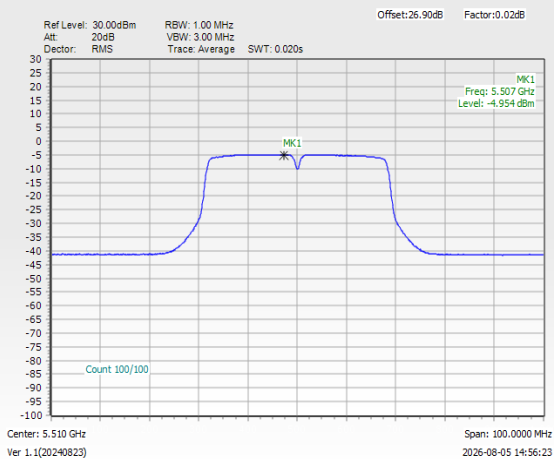
<802.11ac VHT40>

Maximum Power Density Plot (dBm/MHz)

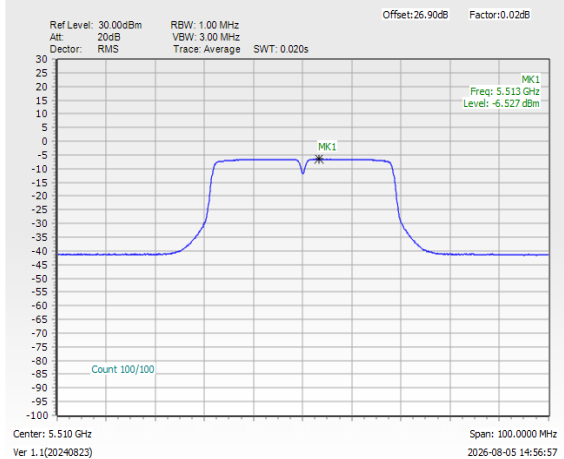


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 8)

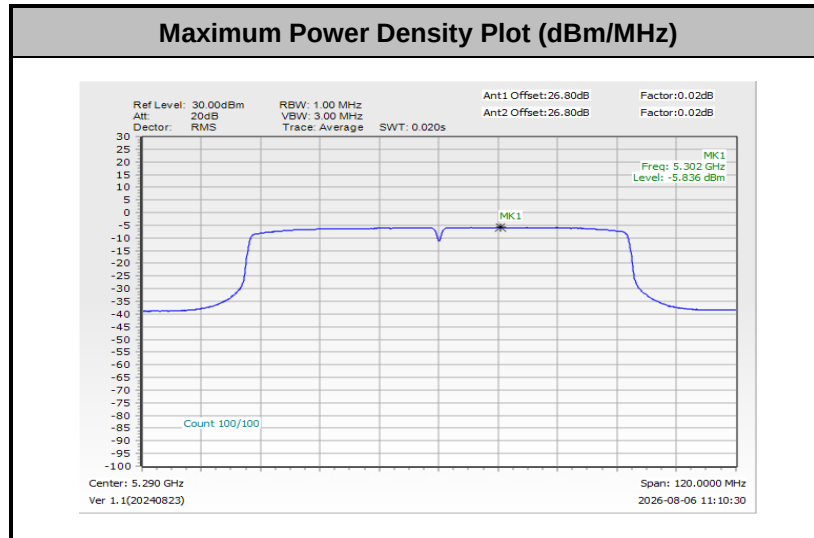


Maximum Power Density Plot Trace 2 (Ant 9)

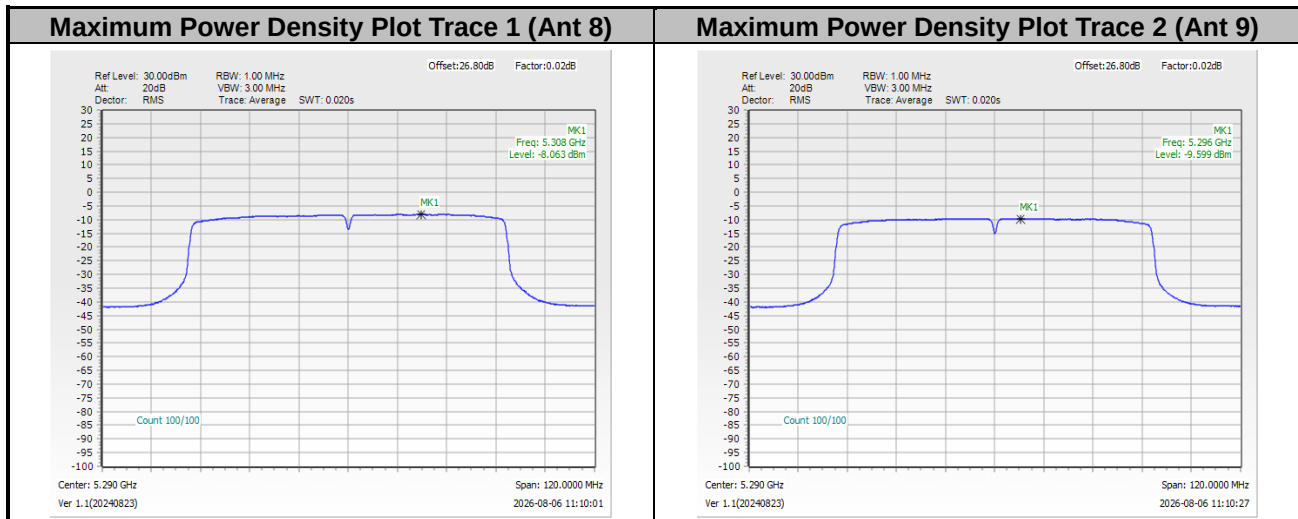




<802.11ac VHT80>

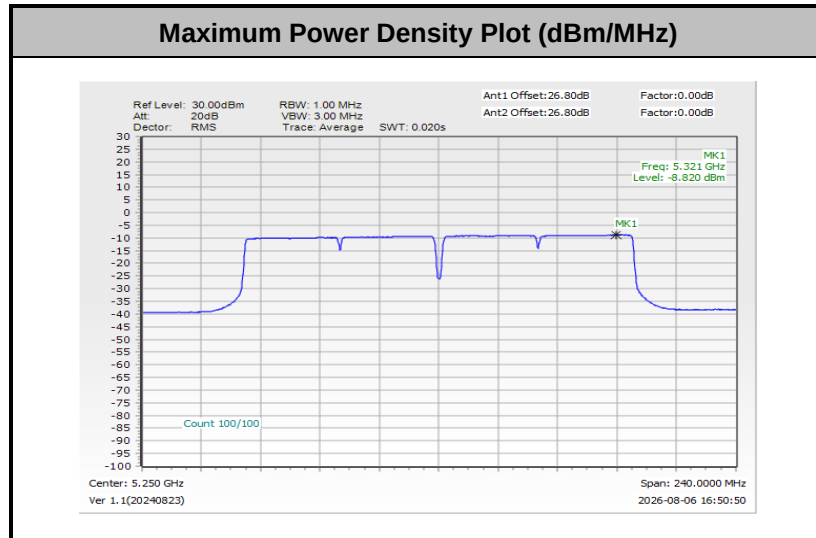


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

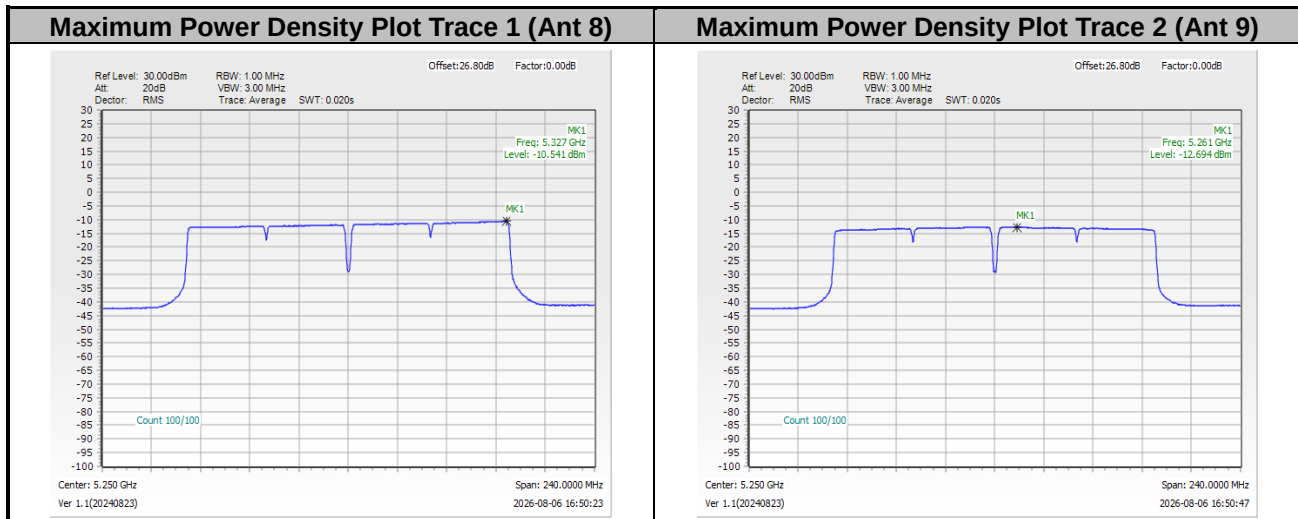




<802.11ac VHT160>

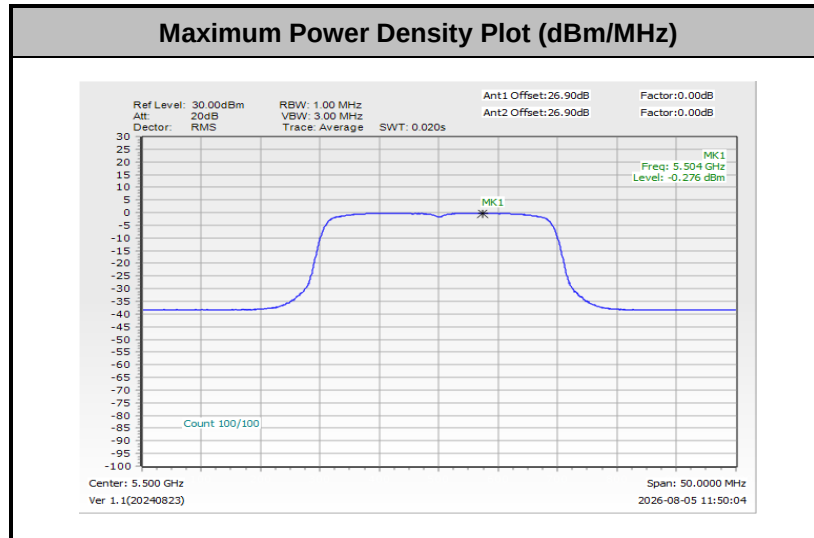


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

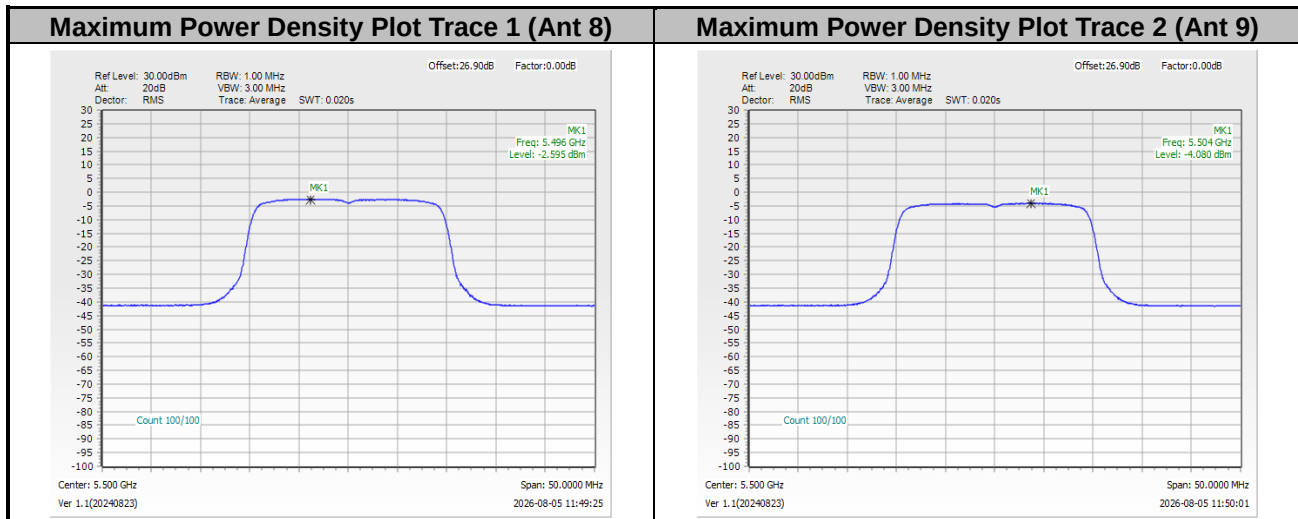




<802.11ax HE20>

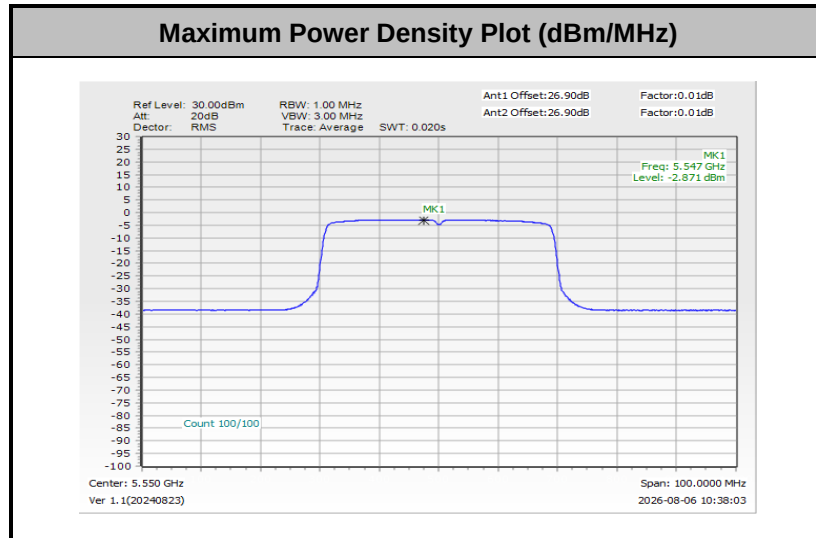


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

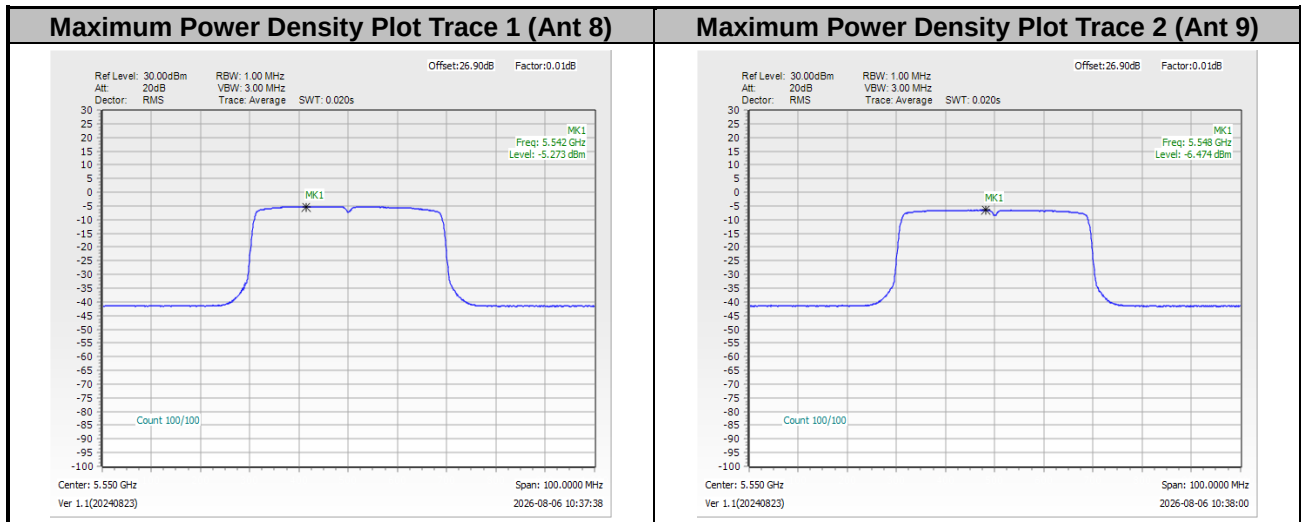




<802.11ax HE40>

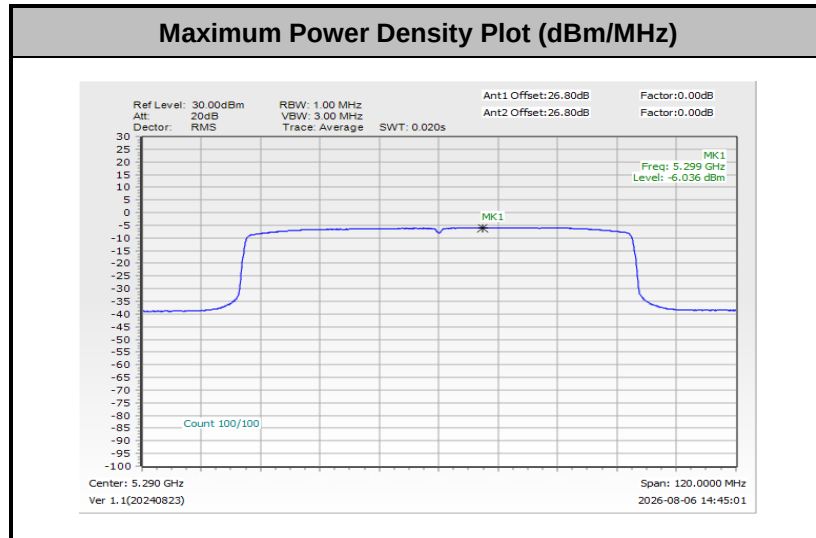


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

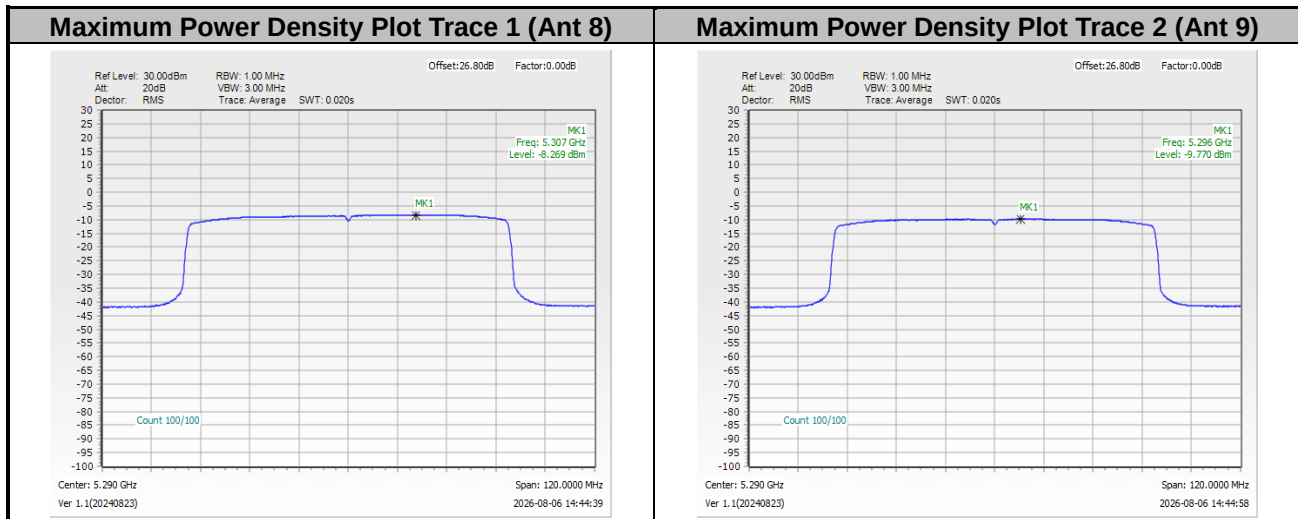




<802.11ax HE80>

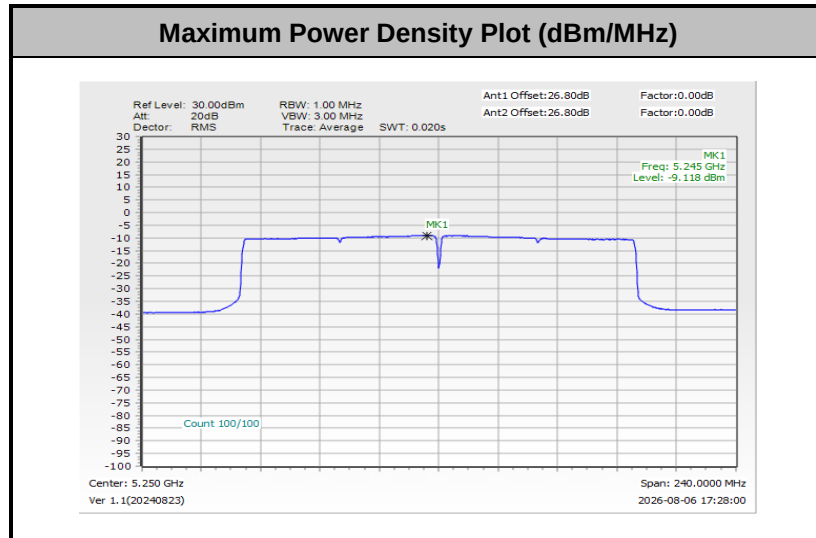


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

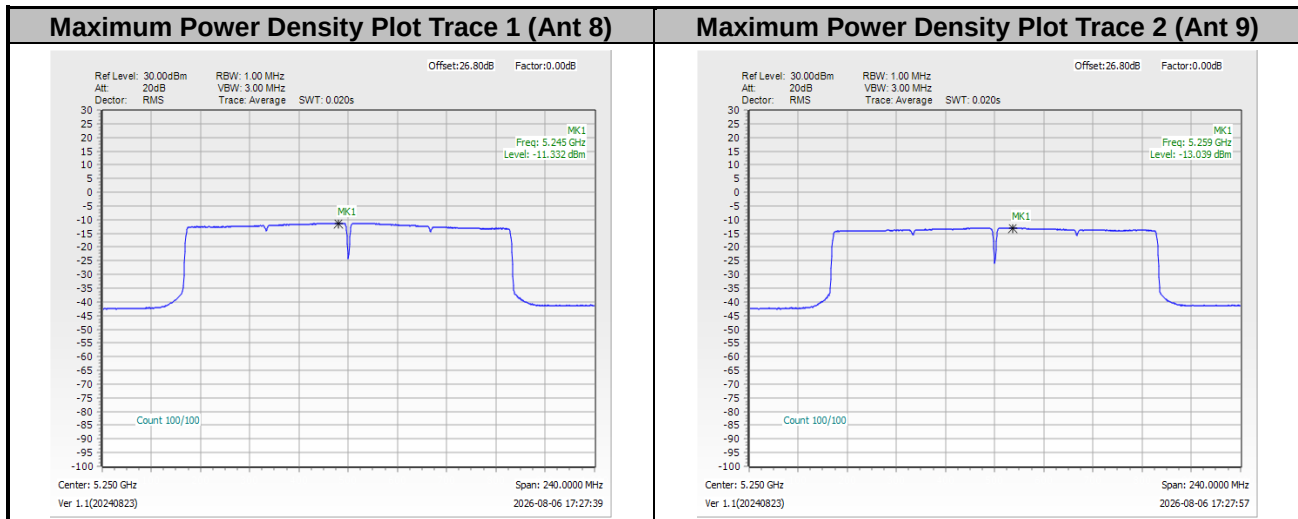




<802.11ax HE160>

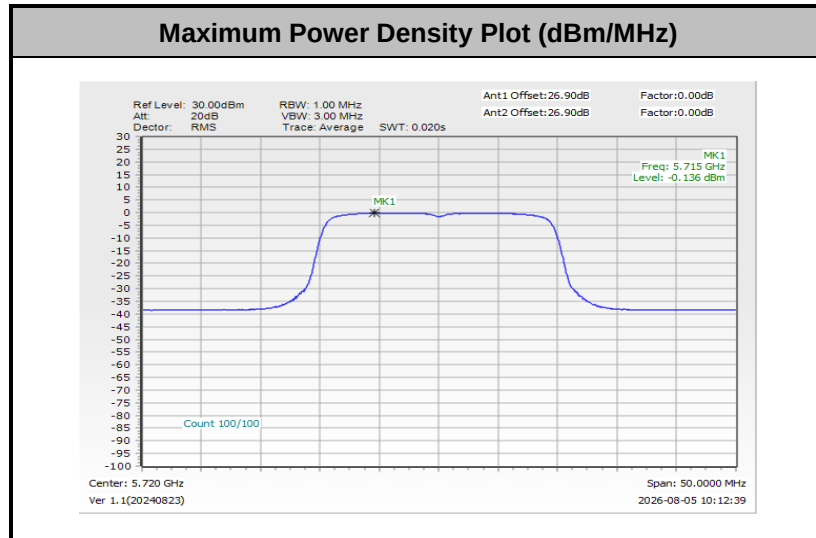


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

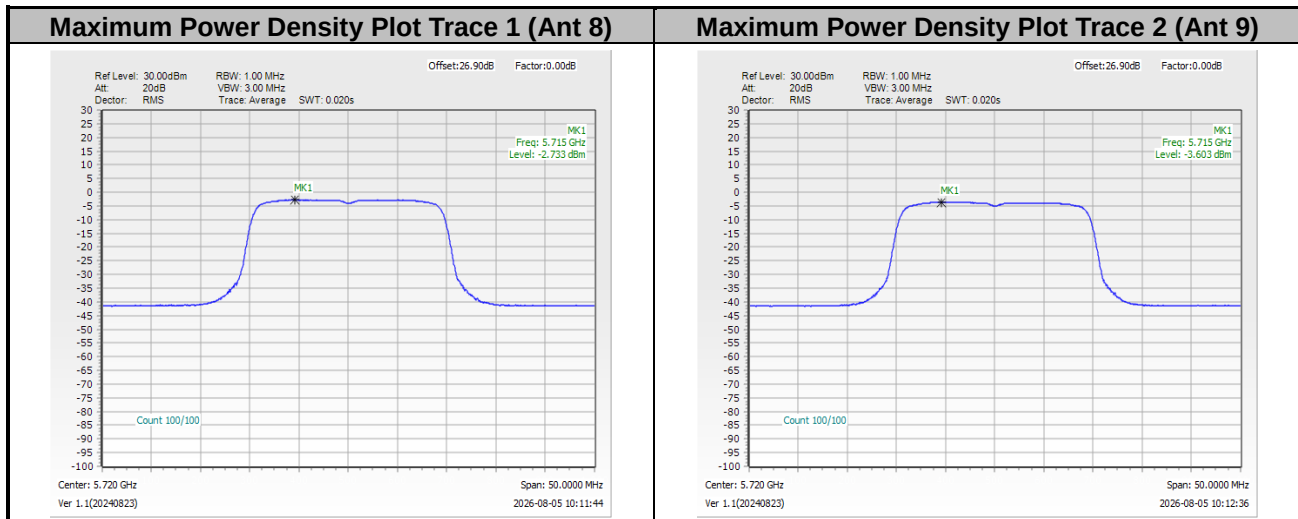




<802.11be EHT20>

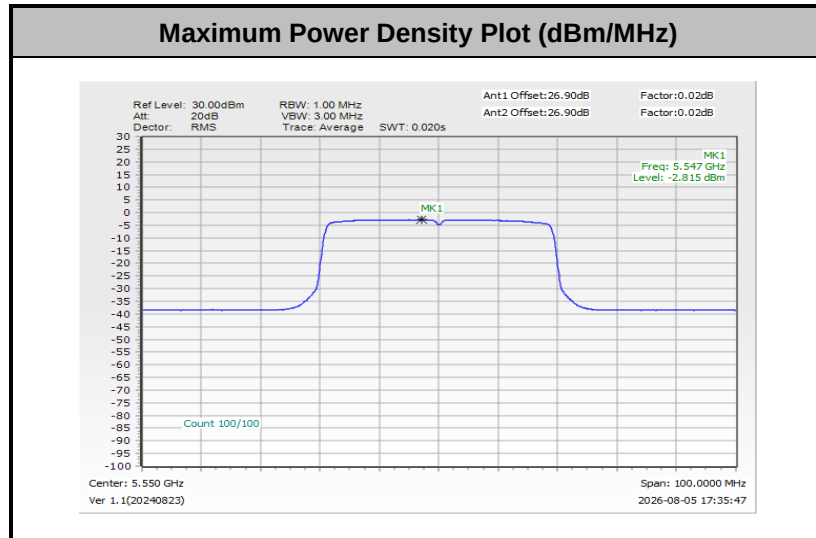


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

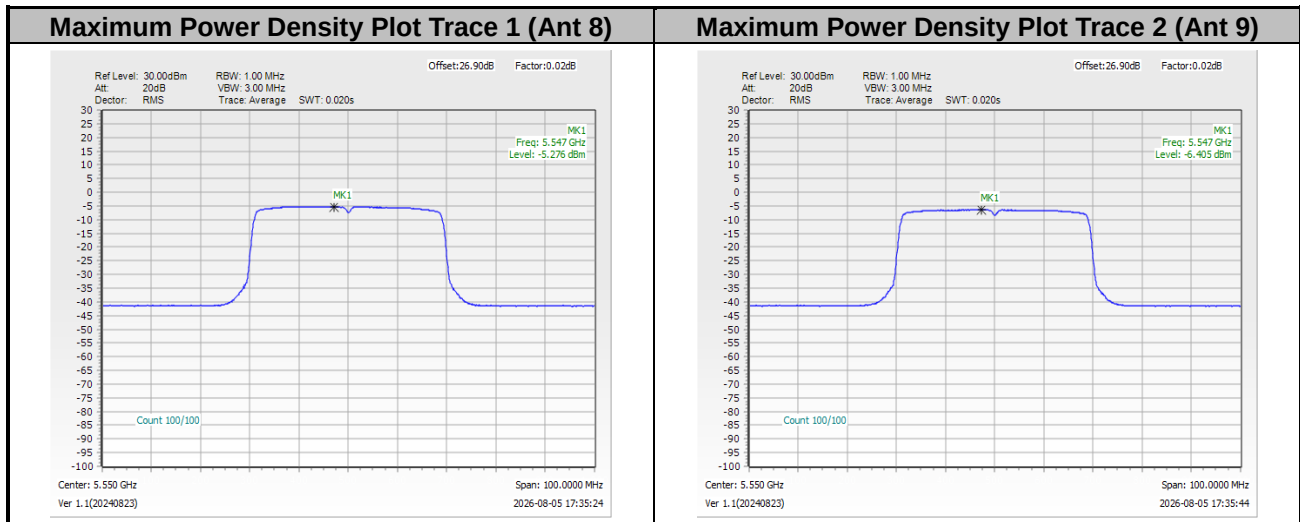




<802.11be EHT40>

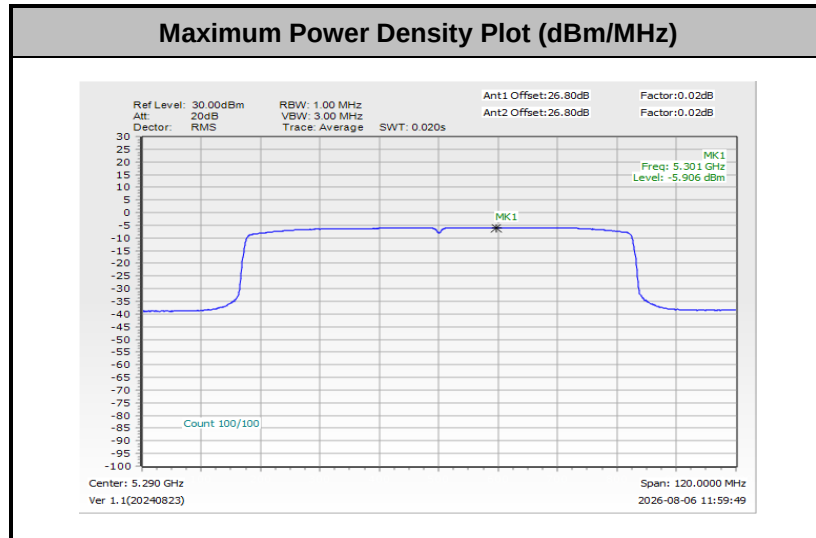


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

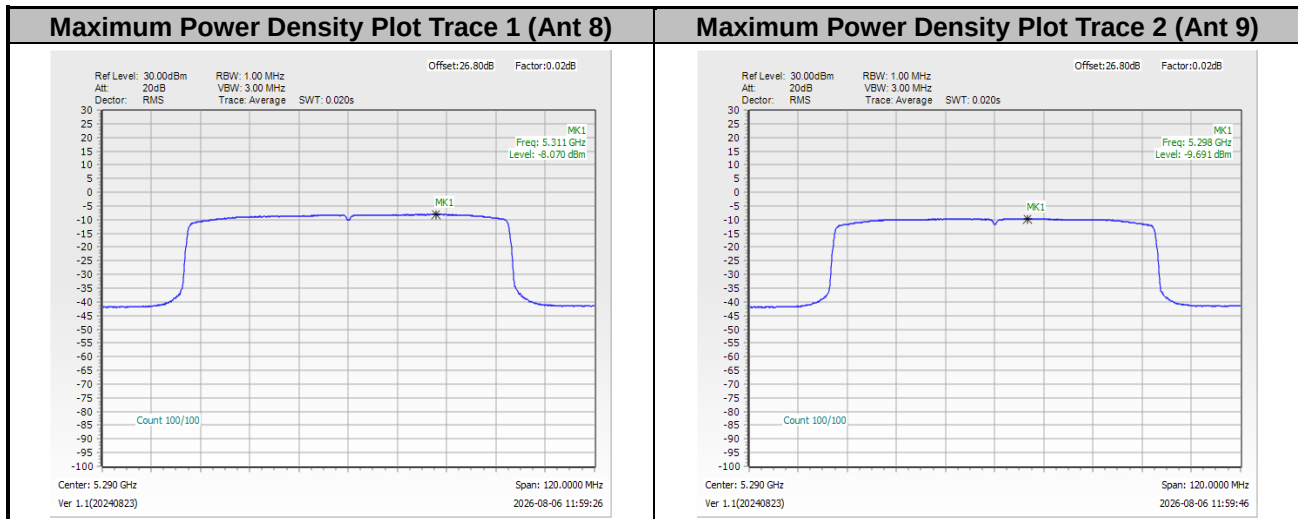




<802.11be EHT80>

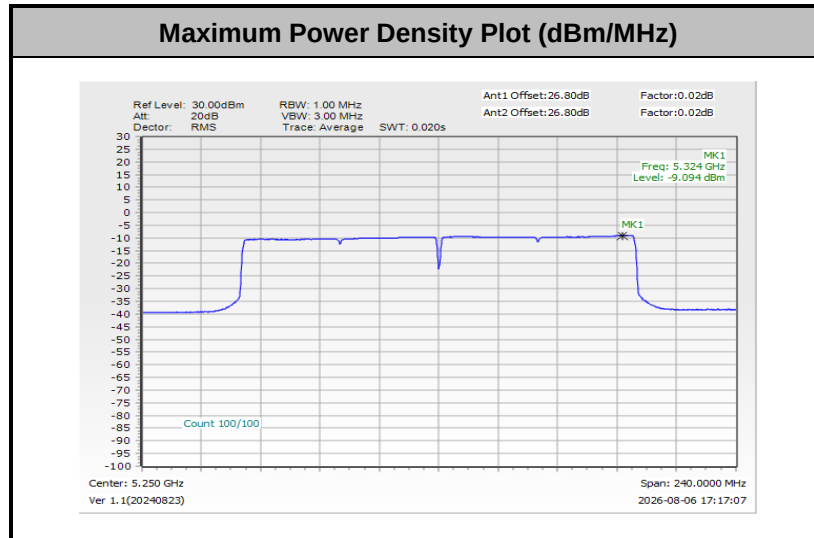


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

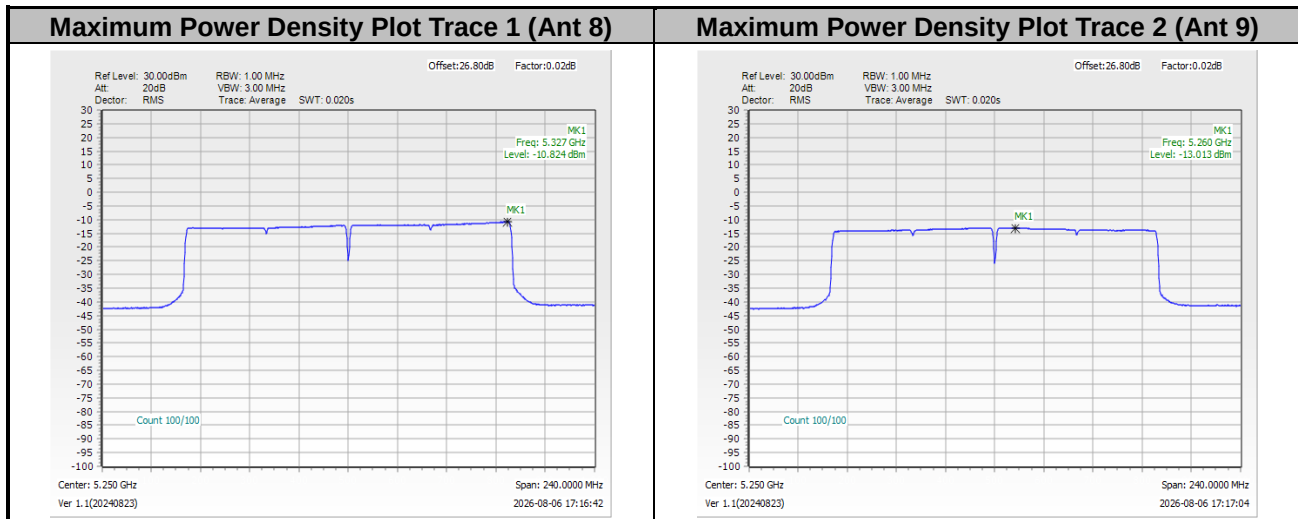




<802.11be EHT160>



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



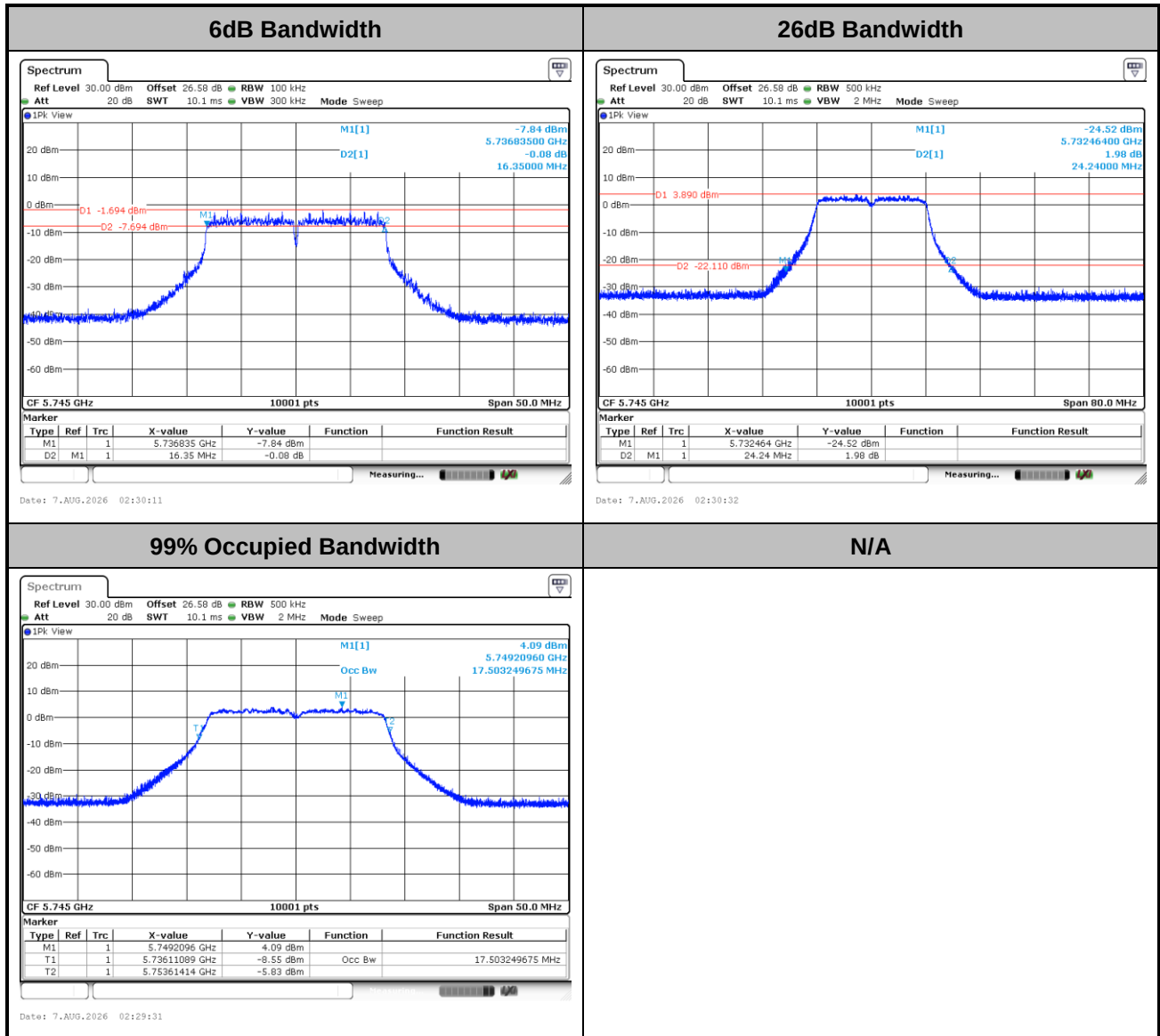


For U-NII-3

Test Result of 6dB and 26dB and 99% Occupied Bandwidth

MIMO <Ant. 8+9>

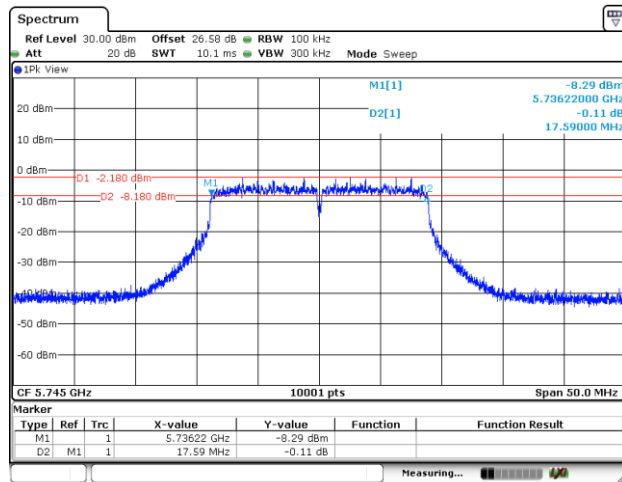
<802.11a>



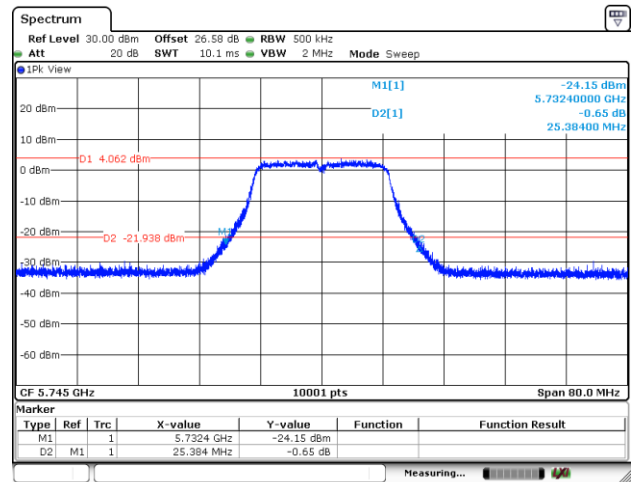


<802.11ac VHT20>

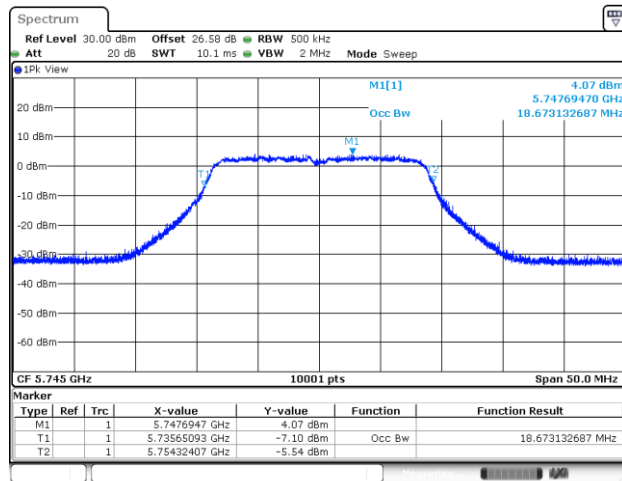
6dB Bandwidth



26dB Bandwidth



99% Occupied Bandwidth



N/A