

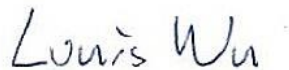


FCC RADIO TEST REPORT

FCC ID : UZ7TC1010
Equipment : Touch Computer
Brand Name : Zebra
Model Name : TC1010
Applicant : Zebra Technologies Corporation
3 Overlook Point, Lincolnshire, IL 60069 USA
Manufacturer : Zebra Technologies Corporation
3 Overlook Point, Lincolnshire, IL 60069 USA
Standard : FCC Part 15 Subpart E §15.407

The product was received on Nov. 28, 2025 and testing was performed from Dec. 24, 2025 to Jan. 22, 2026. 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	8
1.4 Applicable Standards.....	8
2 Test Configuration of Equipment Under Test	9
2.1 Carrier Frequency and Channel	9
2.2 Test Mode.....	11
2.3 Connection Diagram of Test System.....	12
2.4 Support Unit used in test configuration and system	13
2.5 EUT Operation Test Setup	13
2.6 Measurement Results Explanation Example.....	13
3 Test Result	14
3.1 26dB & 99% Occupied Bandwidth Measurement	14
3.2 Fundamental Maximum EIRP Measurement	15
3.3 Fundamental Power Spectral Density Measurement	16
3.4 In-Band Emissions (Channel Mask)	17
3.5 Proper Power Adjustment, Client Devices Connected to a Standard Power Access Point (APC) ..	19
3.6 Dual Client Test, Demonstration of Proper Power Adjustment based on Associated AP	23
3.7 Unwanted Emissions Measurement.....	26
3.8 AC Conducted Emission Measurement.....	31
3.9 Antenna Requirements.....	33
4 List of Measuring Equipment.....	34
5 Measurement Uncertainty	36
Appendix A. Conducted Test Results	
Appendix B. AC Conducted Emission Test Result	
Appendix C. Radiated Spurious Emission Test Data	
Appendix D. Duty Cycle Plots	
Appendix E. Setup Photographs	



History of this test report

Report No.	Version	Description	Issue Date
FR5N2828G	01	Initial issue of report	Feb. 10, 2026



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.407(a)(11)	26dB Emission Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Pass	-
3.2	15.407(a) (7)	Fundamental Maximum EIRP	Pass	-
3.3	15.407(a) (7)	Fundamental Power Spectral Density	Pass	-
3.4	15.407(b)	In-Band Emissions (Channel Mask)	Pass	-
-	15.407(d)(6)	Contention Based Protocol	Pass	See Note
3.5	15.407 KDB 987594 D02 Section II. L.	Proper Power Adjustment, Client Devices Connected to a Standard Power Access Point(APC)	Pass	-
0	15.407 KDB 987594 D02 Section II. K.	Dual Client Test, Demonstration of Proper Power Adjustment based on Associated AP	Pass	-
0	15.407(b)	Unwanted Emissions	Pass	1.11 dB under the limit at 5916.40 MHz
3.8	15.207	AC Conducted Emission	Pass	10.93 dB under the limit at 0.57039 MHz
3.9	15.203	Antenna Requirement	Pass	-

Note: The receiver circuitry is the same for the CBP mechanism so testing can be performed once based on LPI report to show compliance

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: Wei Chen

Report Producer: Aya Yang



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Touch Computer
Brand Name	Zebra
Model Name	TC1010
FCC ID	UZ7TC1010
Sample 1	Scan engine (SR500)
Sample 2	Scan engine (SE4100)
EUT supports Radios application	Bluetooth BR/EDR/LE WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 NFC
HW Version	EV
SW Version	15-11-18.00VG-U00-PRD-NEM-04
MFD	17NOV25
EUT Stage	Identical Prototype
Equipment Type	Dual Client

Remark: The EUT's information above is declared by manufacturer.

Specification of Accessories				
Adapter 1	Brand Name	Zebra	Part Number	PWR-WUA5V12W0US
Adapter 2	Brand Name	Zebra	Part Number	PWR-WUA5V45W1US
Battery 1 (1x)	Brand Name	Zebra	Part Number	BT-000473-0020
Battery 2 (1.5x)	Brand Name	Zebra	Part Number	BT-000473-0820
USB TYPE A to TYPE C cable	Brand Name	Zebra	Part Number	CBL-TC5X-USBC2A-01
USB TYPE C to TYPE C cable	Brand Name	Zebra	Part Number	CBL-TN28USBC2C-01
PTT Headset with USB-C connector	Brand Name	Zebra	Part Number	HDST-USBC-PTT1-01
PTT and VoIP headset with 3.5mm standard jack	Brand Name	Zebra	Part Number	HDST-35MM-PTVP-02
USB-C to 3.5mm adapter cable	Brand Name	Zebra	Part Number	ADP-USBC-35MM1-01
HS2100 rugged wired headset	Brand Name	Zebra	Part Number	HS2100-BTN-LSB
HS2100 standard cable	Brand Name	Zebra	Part Number	CBL-HS2100-3MS1-01
Handstrap	Brand Name	Zebra	Part Number	SG-TC2L-HSTRP1-01
Trigger Handle	Brand Name	Zebra	Part Number	CRG-TC2L-SNP1-01
Arm Mounts	Brand Name	Zebra	Part Number	SG-TC2L-ARMNT-01
Soft Holster	Brand Name	Zebra	Part Number	SG-TC2L-HLSTR1-01
USB TYPE C to TYPE C cable	Brand Name	Zebra	Part Number	CBL-EC5X-USBC3A-01
HS3100 rugged Bluetooth headset	Brand Name	Zebra	Part Number	HS3100-OTH



1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard			
Tx/Rx Channel Frequency Range	5925 MHz ~ 6425 MHz 6525 MHz ~ 6875 MHz		
Antenna Type / Gain	<5925 MHz ~ 6425 MHz> <Ant. 6>: PIFA Antenna with gain 1.45 dBi <Ant. 7>: PIFA Antenna with gain 0.72 dBi <6525 MHz ~ 6875 MHz> <Ant. 6>: PIFA Antenna with gain 1.39 dBi <Ant. 7>: PIFA Antenna with gain 0.73 dBi		
Type of Modulation	802.11a : OFDM (BPSK/QPSK/16QAM/64QAM) 802.11ax : OFDMA (BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM)		
Antenna Function Description		Ant. 6	Ant. 7
	802.11a/ax MIMO	V	V

Remark:

1. MIMO Ant. 6+7 Directional Gain is a calculated result from MIMO Ant. 6 and MIMO Ant. 7. The formula used in calculation is documented in section 1.2.1.
2. Power of MIMO Ant. 6 + Ant. 7 is a calculated result from sum of the power MIMO Ant. 6 and MIMO Ant. 7.
3. 802.11ax Support Tx Beamforming mode, and the manufacturer declares that Tx Beamforming power/EIRP is less than CDD mode 3dbm, so CDD mode cover Tx Beamforming mode.
4. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.2.1 Antenna 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.

	Chain Port 0 Ant 6 (dBi)	Chain Port 1 Ant 7 (dBi)	DG for Power (dBi)	DG for PSD (dBi)
5925 MHz ~ 6425 MHz	1.45	0.72	1.45	4.10
6525 MHz ~ 6875 MHz	1.39	0.73	1.39	4.08

Calculation example:

If a device has two antenna, $G_{ANT6} = 1.45$ dBi; $G_{ANT7} = 0.72$ dBi

Directional gain of power measurement = $\max(1.45, 0.72) + 0 = 1.45$ dBi

Directional gain of PSD derived from formula which is

$$10 \times \log \left\{ \left[10^{1.45 / 20} + 10^{0.72 / 20} \right]^2 / 2 \right\} \\ = 4.10 \text{ dBi}$$

1.3 Modification of EUT

No modifications made to the EUT during the testing.

1.4 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 Proper Power Adjustment, Client Devices Connected to a Standard Power Access Point(APC) and Dual Client Test, Demonstration of Proper Power Adjustment based on Associated AP test items 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, 03CH23-HY

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

FCC designation No.: TW1190 and TW3786

1.5 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

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

The device WIFI MIMO support 1S2T (CDD & Tx Beamforming) (Nss=1) mode by manufacturer declared.

The device supports 1S2T (CDD & Tx Beamforming);1S2T: Nss=1, MIMO 2Tx

802.11ax support full RU tone and partial RU tone, both full RU and partial are tested for conducted power/PSD in appendix A, for Channel Mask in section 3.4.5, all the other test case were performed with full RU with its maximum power/PSD.

- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

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

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



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

BW 20M	Channel		117	121	125
	Freq. (MHz)		6535	6555	6575
BW 40M	Channel			123	
	Freq. (MHz)			6565	

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

BW 20M	Channel	161	165	169	173	177	181		
	Freq. (MHz)	6755	6775	6795	6815	6835	6855		
BW 40M	Channel	163		171		179			
	Freq. (MHz)	6765		6805		6845			
BW 80M	Channel	167							
	Freq. (MHz)	6785							

2.2 Test Mode

This device support 26/52/106/242/484/996/2*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, 996-tone RU is covered by 80MHz channel and 2*996-tone RU is covered by 160MHz channel

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.

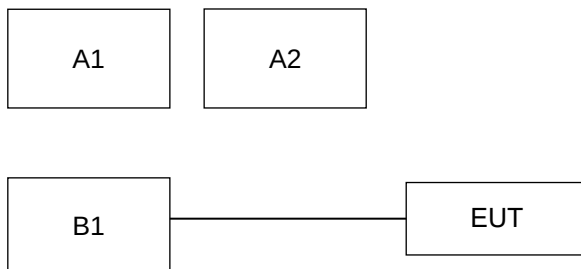
MIMO Mode

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

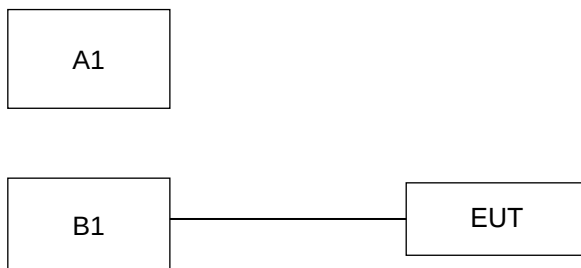
Remark: The conducted power level of each chain in MIMO mode is equal or higher than SISO mode.

Test Cases	
AC Conducted Emission	Mode 1 : BT link + WLAN link + Battery 2 Extended (5200 mAh) + AC Adapter + USB TYPE-C to TYPE-C cable with AC Adapter
Remark: - For Radiated Test Cases, the tests were performed with Sample 1. - Based on ANSI C63.10 clause 5.6.2.2, b) Spurious emissions, measure the mode with the highest output power and the mode with highest output power spectral density for each modulation family. - The detailed Radiated test modes are shown in Appendix C.	

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.	Wireless Station	Connection Type	Test Mode						
			Tx						
A1	WiFi Tx	WiFi	X						
No.	Power Source	Connection Type	Tx						
B1	AC : 120V/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.	Bluetooth Earphone	SonyEricsson	MW600	PY700A2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC52	MSQ-RTAC4A00	N/A	Unshielded, 1.8m
3.	NOTE BOOK	Dell	Latitude 3400	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 "QRCT v4.0.181.1" was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

For EIRP output power:

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

EIRP = RF conducted power + directional antenna gain.

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

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

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Limit of 26dB & 99% Occupied Bandwidth

<FCC CFR 15.407>

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

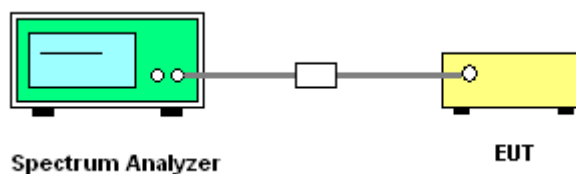
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

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

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

3.2 Fundamental Maximum EIRP Measurement

3.2.1 Limit of Fundamental Maximum EIRP

<FCC CFR 15.407>

(a)(7) For client devices, except for fixed client devices as defined in this subpart, operating under the control of a standard power access

point in 5.925-6.425 GHz and 6.525-6.875 GHz bands, the maximum power spectral density must not exceed 17 dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm and the device must limit its power to no more than 6 dB below its associated standard power access point's authorized transmit power.

3.2.2 Measuring Instruments

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

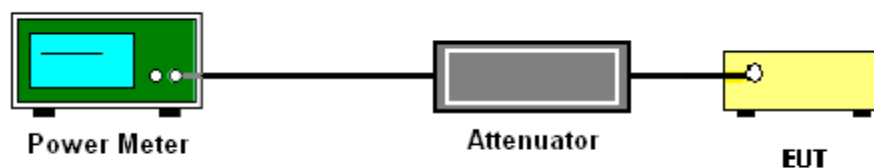
3.2.3 Test Procedures

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 CFR 15.407>

(a)(7) For client devices, except for fixed client devices as defined in this subpart, operating under the control of a standard power access

point in 5.925-6.425 GHz and 6.525-6.875 GHz bands, the maximum power spectral density must not exceed 17 dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm and the device must limit its power to no more than 6 dB below its associated standard power access point's authorized transmit power.

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

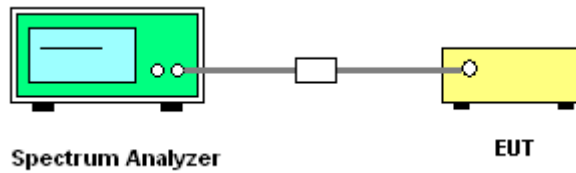
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- 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 CFR 15.407>

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

3.4.2 Measuring Instruments

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

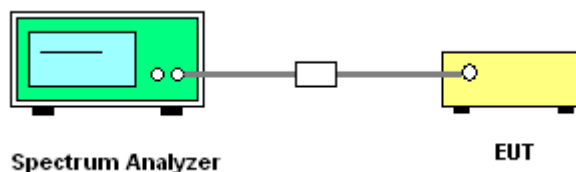
3.4.3 Test Procedures

The testing follows FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v03.

Section J) In-Band Emissions.

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

3.4.4 Test Setup



3.4.5 Test Result

Please refer to Appendix A.



3.5 Proper Power Adjustment, Client Devices Connected to a Standard Power Access Point (APC)

3.5.1 Limit of Standard Client Proper Power Adjustment

15.407 KDB 987594 D02 Section II. L. Power limits for standard client devices

c) The maximum power limits shall remain at least 6 dB below the power levels authorized for the associated standard-power access point

3.5.2 Test Procedures of Standard Client Proper Power Adjustment

The testing follows FCC KDB 987594 D02 U-NII 6 GHz EMC Measurement v3.

Section L. Proper Power Adjustment

3.5.3 Proper Power Adjustment, Client Devices Connected to a Standard Power Access Point

A client device that connects to a Standard Power AP must limit its power to a minimum of 6 dB lower than its associated Standard Power access point's authorized transmit power. The term "authorized" means the AFC-approved power level for the AP to use on a particular channel.

Test procedure to show that the client device can lower its power accordingly.

3.5.4 Test Procedure:

1. Connect equipment as shown in Figure 7 below.
2. Adjust Atten 1 to Std Power AP so as to facilitate error free communication with the Client but protect the Client receiver from overload or damage.
3. Configure the Client and AP so that they associate and start sending data (stream data). The AP should be configured such that its registered power is 36 dBm EIRP.
4. Verify transmission between Client and Std Power AP. Additional attenuators may be required to protect measurement equipment. Measure the Client RF power using any of the methods in C63.10 for NII devices.
5. Use this power, along with its antenna gain, to calculate the Client EIRP.
6. The Client EIRP should be minimally 6 dB lower than that of the AP.
7. Repeat Steps 2 through 5 at two other selected measurement points – the first at the midpoint and the second at the lowest rated power of the client as declared by the manufacturer.

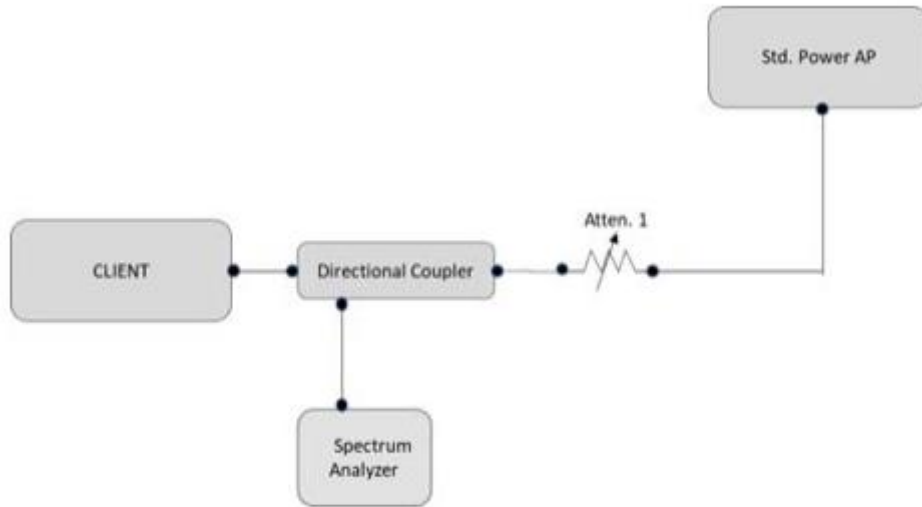


Figure 7. Test setup for conducted testing

3.5.5 Test Result Summary

Companion Standard Power AP: Brand name: Qualcomm, Model name: Wakiki

802.11ax 20MHz bandwidth

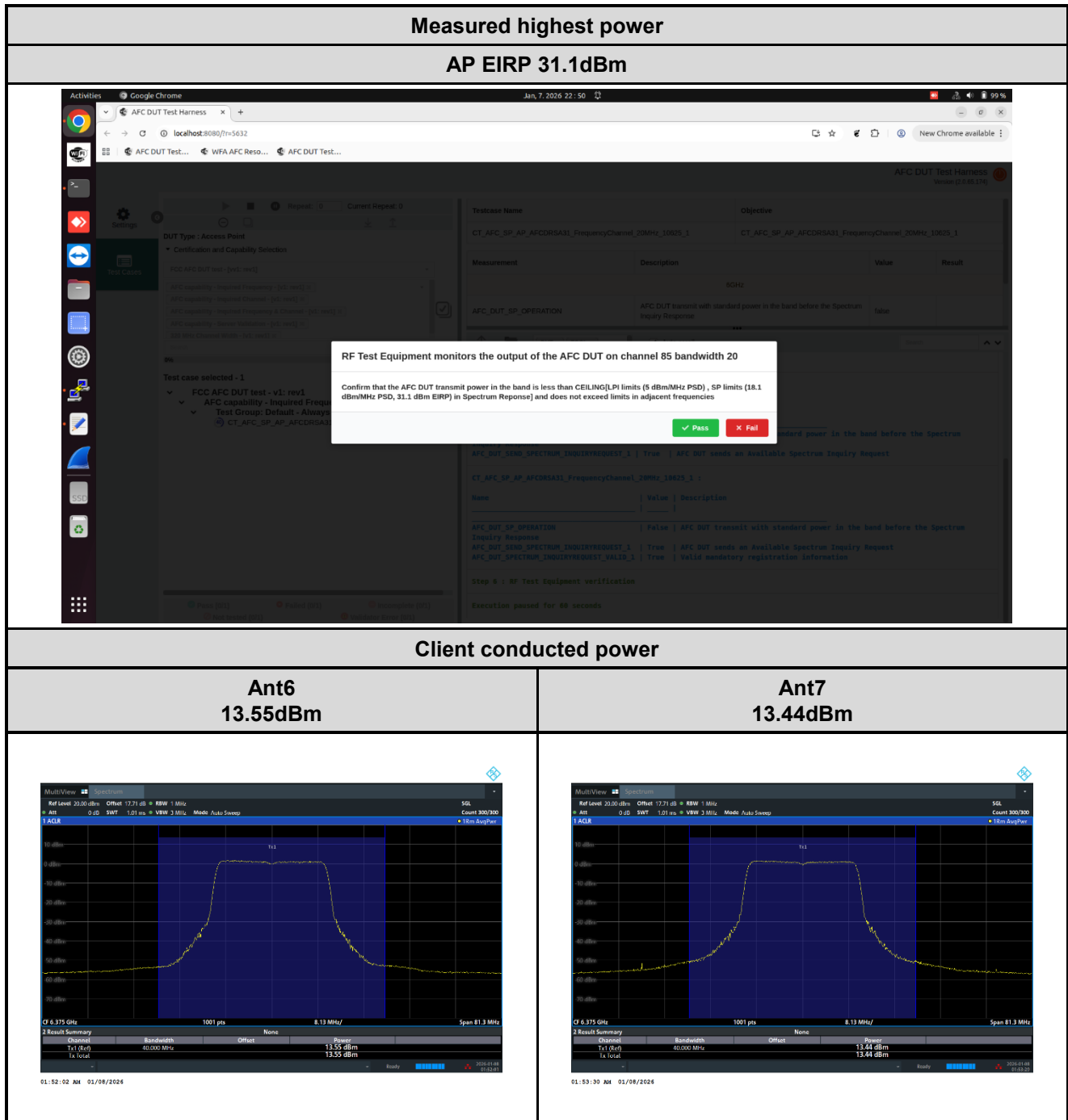
Test channel 85

	Client Conducted Power (dBm)			Client EIRP (dBm)	AP EIRP (dBm)	AP to client EIRP Delta (dB)
	Ant6	Ant7	MIMO			
Maximum EIRP	13.55	13.44	16.51	17.96	31.1	13.14
Midpoint EIRP	12.25	11.78	15.03	16.48	25.0	8.52
Lowest EIRP	11.34	10.43	13.92	15.37	21.4	6.03
Requirement						At least 6 dB
Result						Pass

Note: Client EIRP = Client MIMO conducted power + antenna gain (1.450dBi)



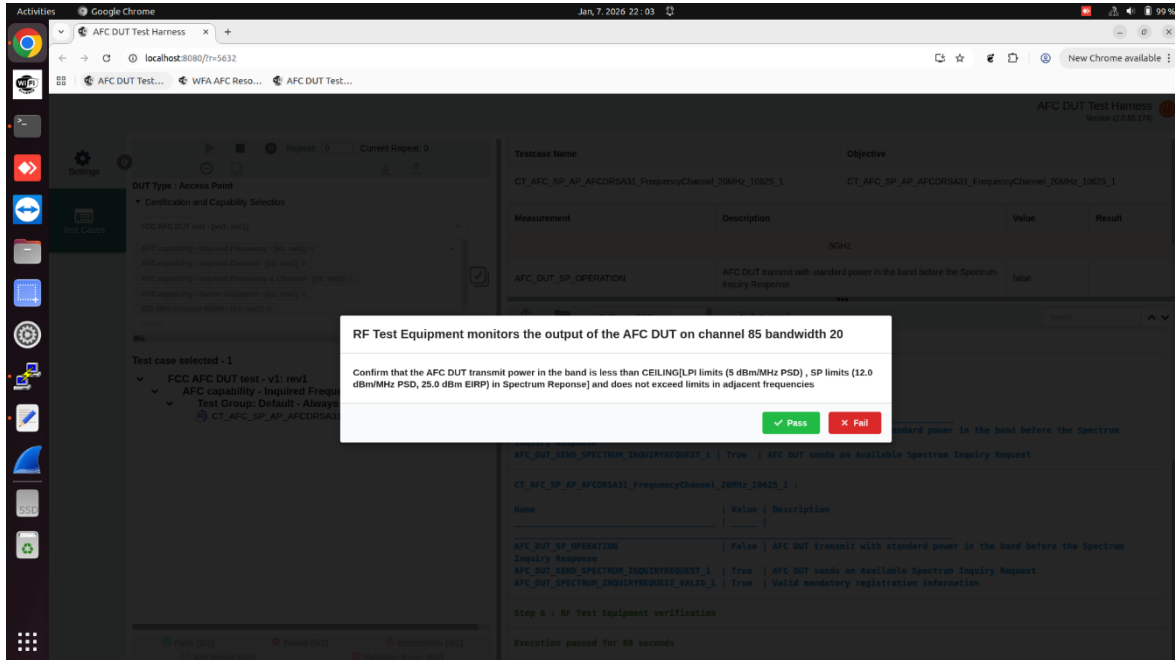
3.5.6 Test Result Plot



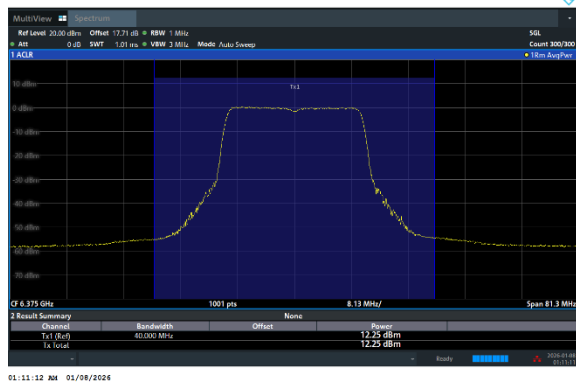
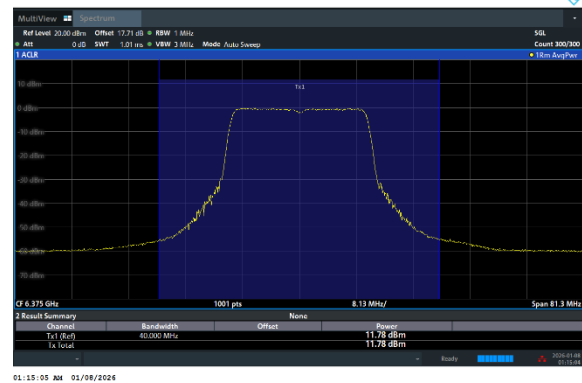


Measured mid-point power

AP EIRP 25.0dBm



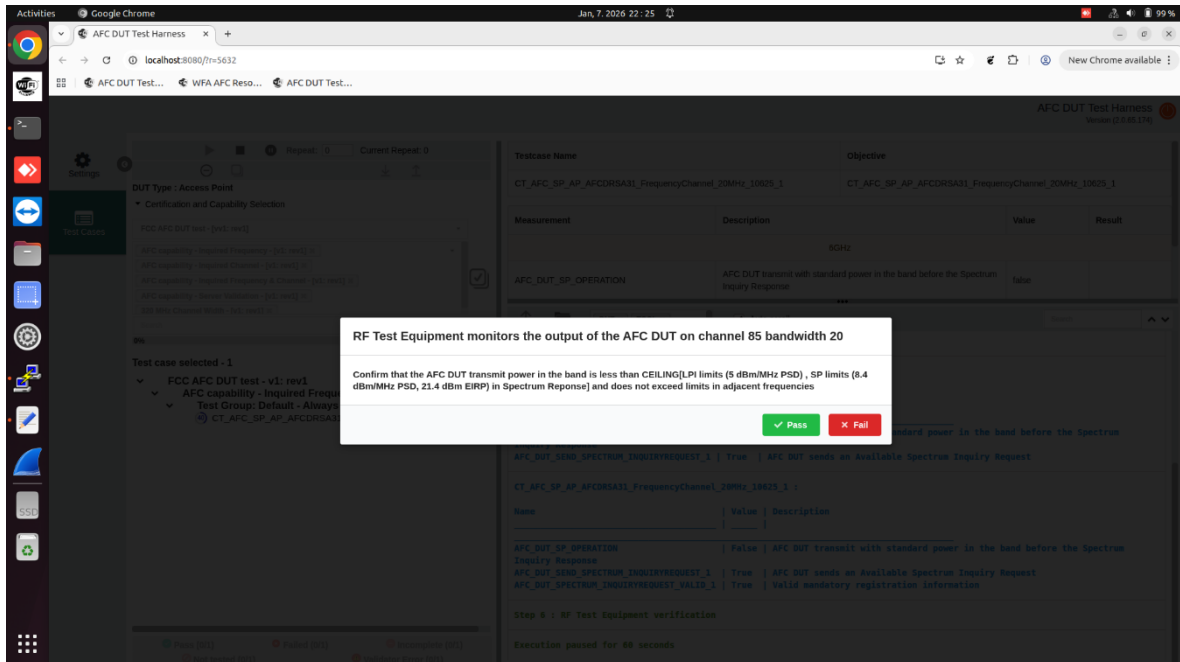
Client conducted power

Ant6
12.25dBmAnt7
11.78dBm

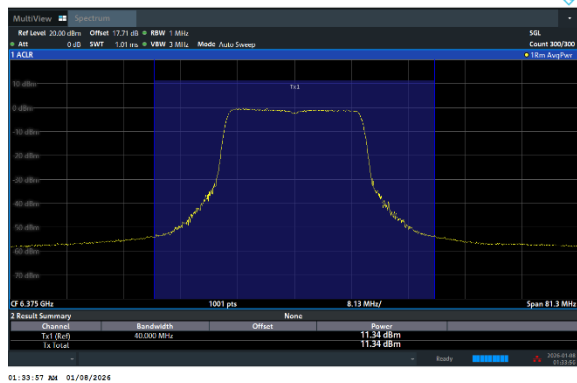
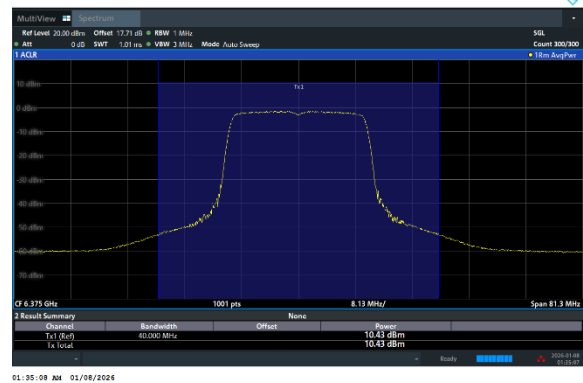


Measured lowest power

AP EIRP 21.4dBm



Client conducted power

Ant6
11.34dBmAnt7
10.43dBm



3.6 Dual Client Test, Demonstration of Proper Power Adjustment based on Associated AP

3.6.1 Limit of Proper Power Adjustment

15.407 KDB 987594 D02 Section II. K. Power limits for standard client devices

A client device may connect to a Standard Power AP with a maximum power level of 30 dBm EIRP. A client may also connect to a Low Power indoor AP, but the power level is limited to a maximum of 24 dBm EIRP.

3.6.2 Test Procedures of Standard Client Proper Power Adjustment

The testing follows FCC KDB 987594 D02 U-NII 6 GHz EMC Measurement v03.

Section K. Dual Client Test, Demonstration of Proper Power Adjustment based on Associated AP

3.6.3 Test Procedure:

1. Connect equipment as shown in Figure 6 below..
2. Adjust Atten 2 to Std Power AP so as to facilitate error free communication with the Client (Atten 1 should be set to High on the RF path to the Low Power AP)
3. Configure the Client and APs so that they associate and start sending data (stream data). It is important that the client is configured to transmit at its highest power level. Initially, because the attenuation on Atten 1 is set high, the Client will only associate with the Std Power AP.
4. Verify transmission between Client and Std Power AP. Additional attenuators may be required to protect measurement equipment. Measure the Client RF power using any of the methods in C63.10 for NII devices.
5. Gradually increase Atten 2 while at the same time decreasing Atten 1. This simulates the Client moving from outdoors to indoors. At some level of attenuation the Client should associate with the Low Power indoor AP.
6. Verify transmission between Client and Low Power AP.
7. Measure the RF power of the Client device using the same method as in step 4. Verify the power is no more than 24 dBm EIRP

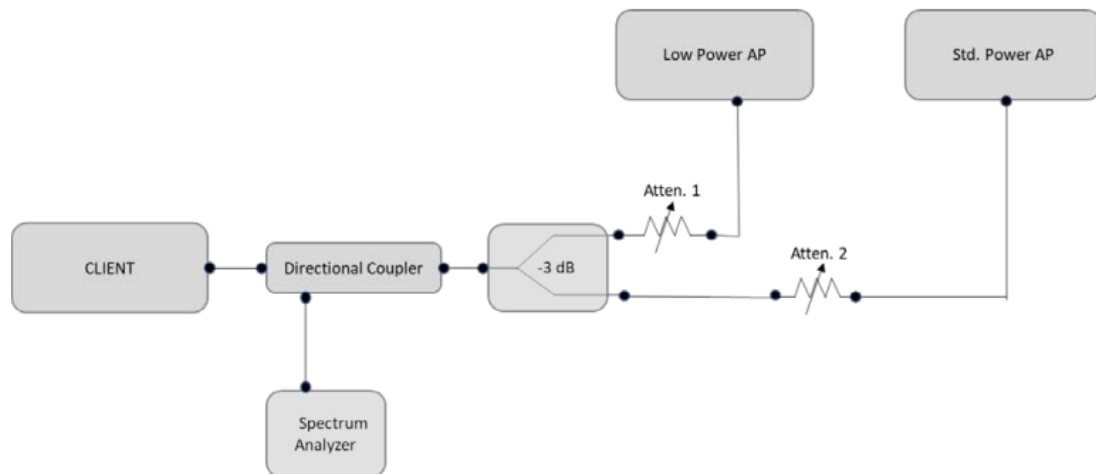


Figure 6. Test setup for conducted testing

3.6.4 Test Result Summary

Companion Standard Power AP: Brand name:Qualcomm, Model name:Wakiki

Companion Low Power indoor AP: Brand name: ASUS, Model name: RT-BE92U

802.11ax 20MHz bandwidth

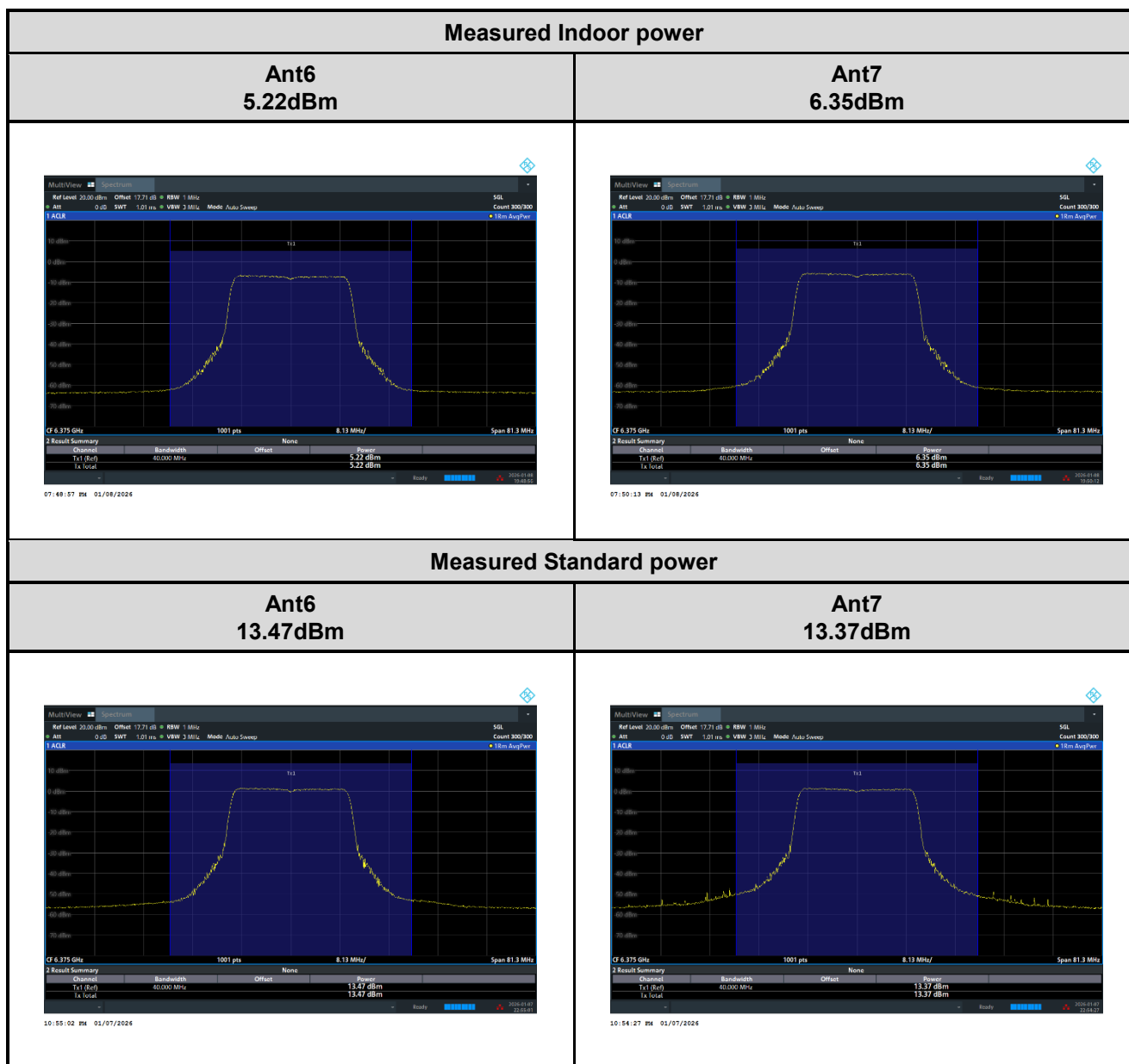
Test channel 85

	Client Conducted Power (dBm)			Client EIRP (dBm)	Limit EIRP (dBm)	Result
	Ant6	Ant7	MIMO			
Indoor EIRP	5.22	6.35	8.83	10.28	24	Pass
Standard EIRP	13.47	13.37	16.43	17.88	30	Pass

Note: Client EIRP = Client MIMO conducted power + antenna gain (-7.90dBi)



3.6.5 Test Result Plot



3.7 Unwanted Emissions Measurement

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

3.7.2 Limit of Unwanted Emissions

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

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

According 987594 D02 U-NII 6GHz EMC Measurement v03 section G:

Unwanted emissions outside of restricted bands are measured with a RMS detector.

In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit

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

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

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

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

3.7.3 Measuring Instruments

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

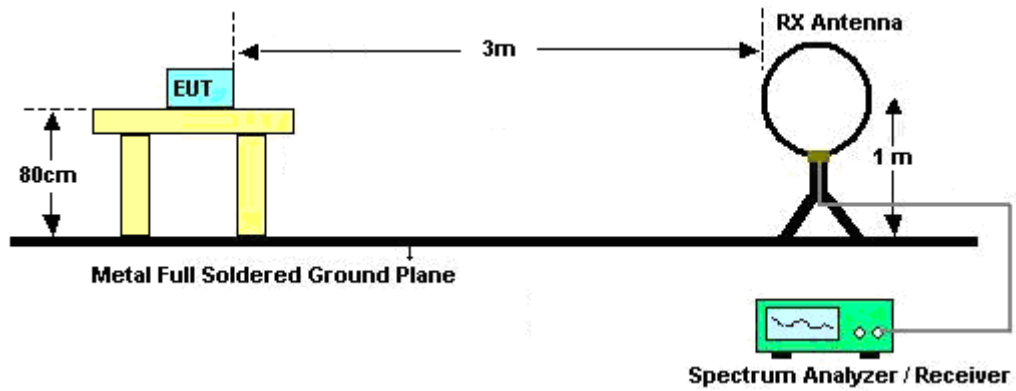


3.7.4 Test Procedures

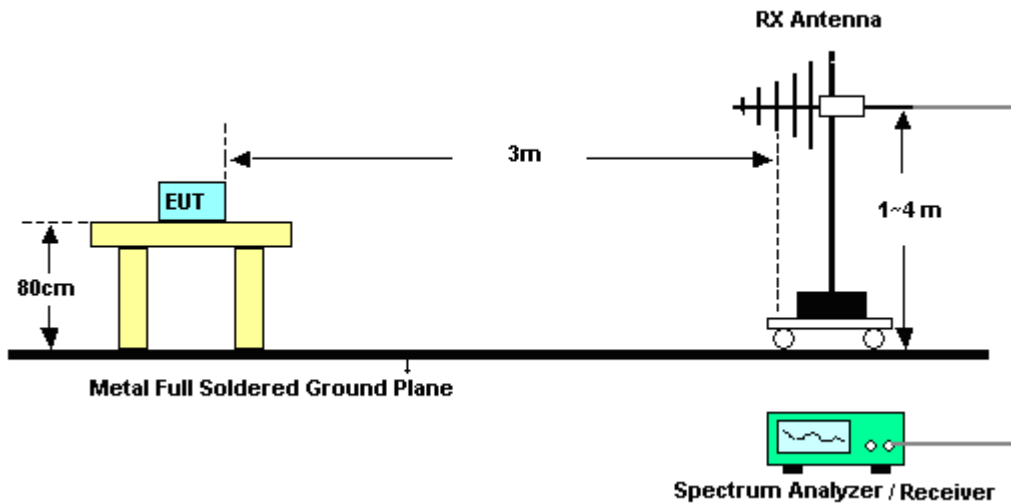
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section G) Unwanted emissions measurement.
(1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW $\geq$ 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
 - RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq$ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-“.
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-“..

3.7.5 Test Setup

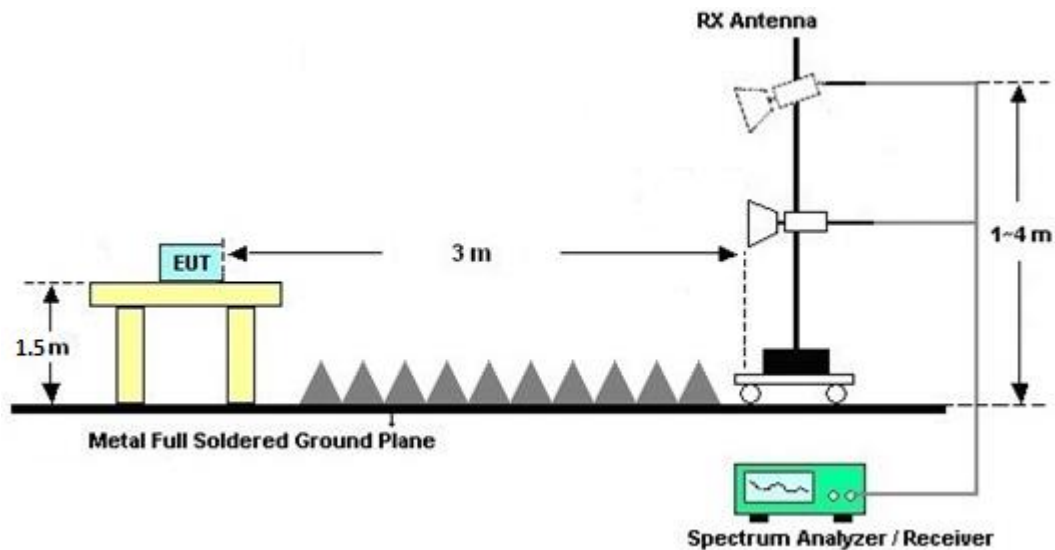
For radiated emissions below 30MHz



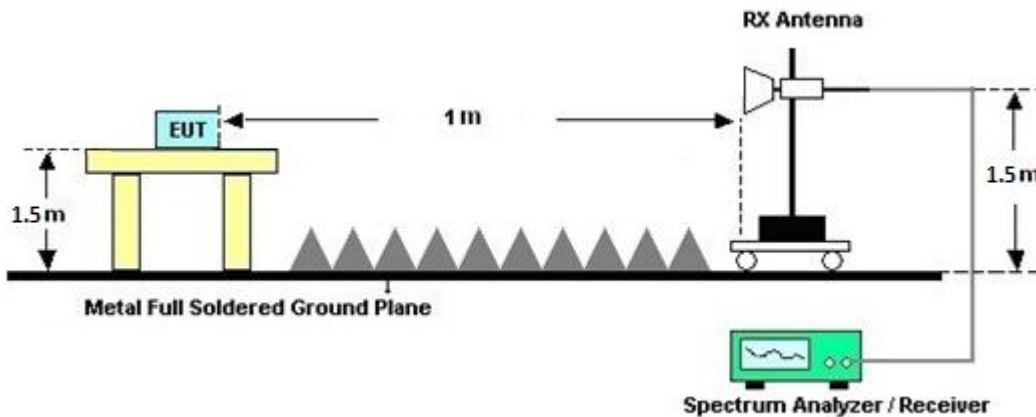
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.7.7 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.7.8 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix C.

3.8 AC Conducted Emission Measurement

3.8.1 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.

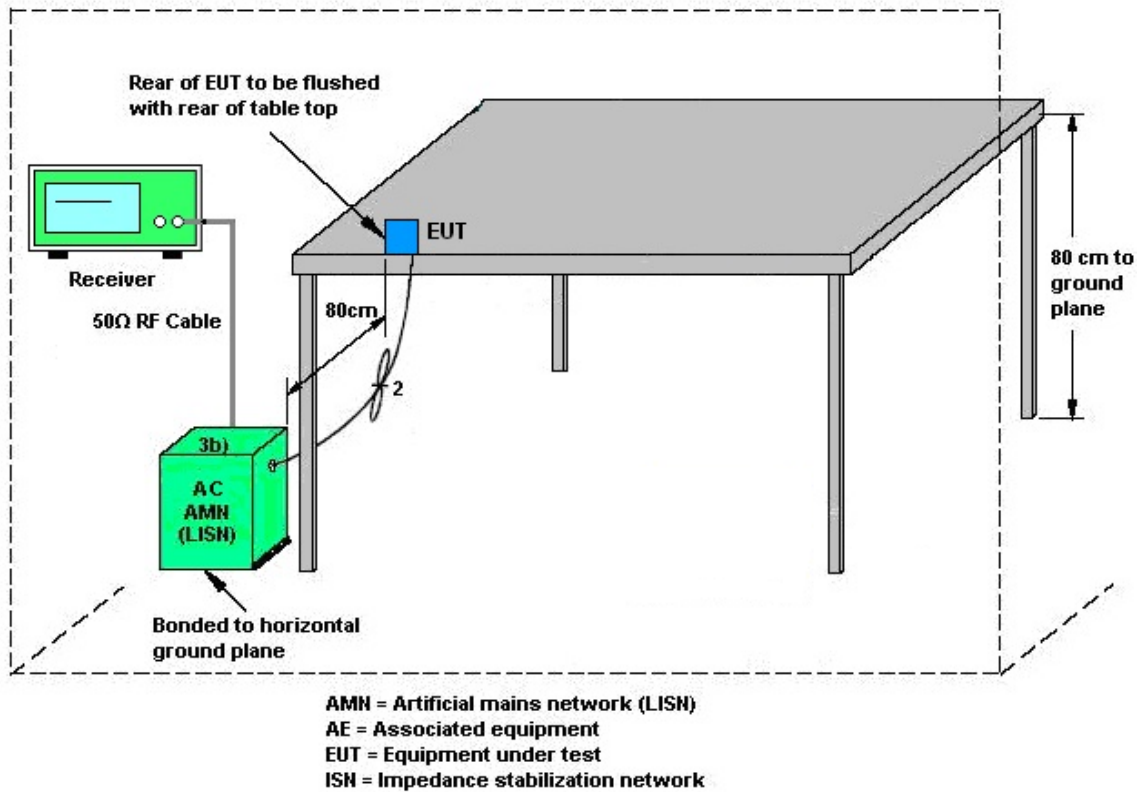
3.8.2 Measuring Instruments

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

3.8.3 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.

3.8.4 Test Setup



3.8.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.9 Antenna Requirements

3.9.1 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.

3.9.2 Antenna Anti-Replacement Construction

Antenna permanently attached.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9 kHz~30 MHz	Dec. 11, 2025	Jan. 10, 2026~ Jan. 20, 2026	Dec. 10, 2026	Radiation (03CH23-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D-06	62028 & 003	30MHz~1GHz	Nov. 26, 2025	Jan. 10, 2026~ Jan. 20, 2026	Nov. 25, 2026	Radiation (03CH23-HY)
Amplifier	SONOMA	310N	421582	9kHz~1GHz	Jul. 13, 2025	Jan. 10, 2026~ Jan. 20, 2026	Jul. 12, 2026	Radiation (03CH23-HY)
Amplifier	EMEC	EM01G18GA	060878	1GHz~18GHz	Sep. 26, 2025	Jan. 10, 2026~ Jan. 20, 2026	Sep. 25, 2026	Radiation (03CH23-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C05A18EN	1GHz~18GHz	Jul. 02, 2025	Jan. 10, 2026~ Jan. 20, 2026	Jul. 01, 2026	Radiation (03CH23-HY)
Signal Analyzer	Keysight	N9010B	MY62170337	10Hz~44GHz	Aug. 26, 2025	Jan. 10, 2026~ Jan. 20, 2026	Aug. 25, 2026	Radiation (03CH23-HY)
Preamplifier	EMEC	EM18G40G	060873	18GHz~40GHz	Aug. 26, 2025	Jan. 10, 2026~ Jan. 20, 2026	Aug. 25, 2026	Radiation (03CH23-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9170	1225	18GHz~40GHz	Jul. 02, 2025	Jan. 10, 2026~ Jan. 20, 2026	Jul. 01, 2026	Radiation (03CH23-HY)
Hygrometer	TECPEL	DTM-303A	TP210001	N/A	Nov. 06, 2025	Jan. 10, 2026~ Jan. 20, 2026	Nov. 05, 2026	Radiation (03CH23-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Jan. 10, 2026~ Jan. 20, 2026	N/A	Radiation (03CH23-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jan. 10, 2026~ Jan. 20, 2026	N/A	Radiation (03CH23-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jan. 10, 2026~ Jan. 20, 2026	N/A	Radiation (03CH23-HY)
Software	Audix	E3 6.09824_2019122	RK-002348	N/A	N/A	Jan. 10, 2026~ Jan. 20, 2026	N/A	Radiation (03CH23-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804395/2	30MHz~40GHz	Nov. 25, 2025	Jan. 10, 2026~ Jan. 20, 2026	Nov. 24, 2026	Radiation (03CH23-HY)
RF Cable	EMC	EMC101Y	231115/231119/ 231122	30MHz~40GHz	Nov. 25, 2025	Jan. 10, 2026~ Jan. 20, 2026	Nov. 24, 2026	Radiation (03CH23-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Jan. 09, 2026	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jan. 09, 2026	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBE CK	VTSD 9561-F N	9561-F N00373	9kHz~200MHz	Oct. 20, 2025	Jan. 09, 2026	Oct. 19, 2026	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 3, 2025	Jan. 09, 2026	Mar. 2, 2026	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 24, 2025	Jan. 09, 2026	Mar. 23, 2026	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 26, 2025	Jan. 09, 2026	Mar. 25, 2026	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Oct. 21, 2025	Jan. 09, 2026	Oct. 20, 2026	Conduction (CO07-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	Dec. 24, 2025~ Jan. 22, 2026	Nov. 03, 2026	Conducted (TH05-HY)
USB Power Sensor	DARE	RPR3008W	RPR8W-230100 13 (NO:100)	10MHz~8GHz	Jul. 18, 2025	Dec. 24, 2025~ Jan. 22, 2026	Jul. 17, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101468	10HZ~44GHZ	Mar. 13, 2025	Dec. 24, 2025~ Jan. 22, 2026	Mar. 12, 2026	Conducted (TH05-HY)
Switch Control Mainframe	E-Instument	ETF-1405-0	EC1900157 (BOX6)	N/A	Feb. 10, 2025	Dec. 24, 2025~ Jan. 22, 2026	Feb. 09, 2026	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_version_240513	N/A	Conducted Other Test Item	N/A	Dec. 24, 2025~ Jan. 22, 2026	N/A	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV3013	101549	10Hz~13.6GHz	Dec. 18, 2025	Jan. 06, 2026~ Jan. 08, 2026	Dec. 17, 2026	APC (DF02-HY)
Software 1	Sporton	DFS & Adaptivity Tools	N/A	Ver 1.0	NCR	Jan. 06, 2026~ Jan. 08, 2026	NCR	APC (DF02-HY)
Coupler	MVE	MVE4816	A800044	0.5-18GHz	Calibration from System	Jan. 06, 2026~ Jan. 08, 2026	Calibration from System	APC (DF02-HY)
Power Divider	MTJ	SMA 2Way Power Divider	MD10003	0.5GHz-6GHz	Calibration from System	Jan. 06, 2026~ Jan. 08, 2026	Calibration from System	APC (DF02-HY)
Power Divider	MTJ	SMA 2Way Power Divider	MD10007	0.5GHz-6GHz	Calibration from System	Jan. 06, 2026~ Jan. 08, 2026	Calibration from System	APC (DF02-HY)
Power Divider	MVE	MVE8546	A700458	0.5GHz-6GHz	Calibration from System	Jan. 06, 2026~ Jan. 08, 2026	Calibration from System	APC (DF02-HY)
RF Cable	EM	SFL402	30cm-#6	30 kHz~18GHz	Calibration from System	Jan. 06, 2026~ Jan. 08, 2026	Calibration from System	APC (DF02-HY)
RF Cable	MTJ	SBF405	30cm-01	30 kHz~18GHz	Calibration from System	Jan. 06, 2026~ Jan. 08, 2026	Calibration from System	APC (DF02-HY)
RF Cable	MTJ	SBF405	30cm-09	30 kHz~18GHz	Calibration from System	Jan. 06, 2026~ Jan. 08, 2026	Calibration from System	APC (DF02-HY)
RF Cable	EC	SS405	100cm-01	30 kHz~18GHz	Calibration from System	Jan. 06, 2026~ Jan. 08, 2026	Calibration from System	APC (DF02-HY)
RF Cable	EC	SS405	100cm-03	30 kHz~18GHz	Calibration from System	Jan. 06, 2026~ Jan. 08, 2026	Calibration from System	APC (DF02-HY)
RF Cable	EC	SS405	100cm-05	30 kHz~18GHz	Calibration from System	Jan. 06, 2026~ Jan. 08, 2026	Calibration from System	APC (DF02-HY)
RF Cable	EC	SS405	100cm-10	30 kHz~18GHz	Calibration from System	Jan. 06, 2026~ Jan. 08, 2026	Calibration from System	APC (DF02-HY)
RF Cable	EC	SS405	100cm-11	30 kHz~18GHz	Calibration from System	Jan. 06, 2026~ Jan. 08, 2026	Calibration from System	APC (DF02-HY)
RF Cable	EC	SS405	150cm-#11	30 kHz~18GHz	Calibration from System	Jan. 06, 2026~ Jan. 08, 2026	Calibration from System	APC (DF02-HY)
RF Cable	EC	SS405	150cm-#15	30 kHz~18GHz	Calibration from System	Jan. 06, 2026~ Jan. 08, 2026	Calibration from System	APC (DF02-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
--	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.7 dB
--	--------

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.8 dB
--	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.7 dB
--	--------

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Jay Chen	Temperature:	21~25	°C
Test Date:	2025/12/24~2025/1/22	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-5 MIMO										
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	001	5955	16.66	16.65	20.58	20.01	320.00	Pass
11a	6Mbps	2	049	6195	16.66	16.65	20.76	19.74	320.00	Pass
11a	6Mbps	2	093	6415	16.67	16.66	20.60	20.20	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 6	Ant 7	SUM	Ant 6	Ant 7			
11a	6Mbps	2	001	5955	17.05	17.43	20.25	1.45		21.70	30.00	Pass
11a	6Mbps	2	049	6195	17.00	17.17	20.10	1.45		21.55	30.00	Pass
11a	6Mbps	2	093	6415	16.94	17.47	20.22	1.45		21.67	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-5 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 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	SUM		
11a	6Mbps	2	001	5955	0.04	0.03			8.10	4.10		12.21	17.00	Pass
11a	6Mbps	2	049	6195	0.04	0.03			8.10	4.10		12.20	17.00	Pass
11a	6Mbps	2	093	6415	0.04	0.03			8.15	4.10		12.25	17.00	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 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	117	6535	16.68	16.66	20.69	20.49	320.00	Pass
11a	6Mbps	2	149	6695	16.69	16.65	20.65	20.36	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 6	Ant 7	SUM	Ant 6	Ant 7	SUM		
11a	6Mbps	2	117	6535	15.36	15.98	18.69	1.39		20.08	30.00	Pass
11a	6Mbps	2	149	6695	15.63	15.98	18.82	1.39		20.21	30.00	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 6	Ant 7	SUM	Ant 6	Ant 7	SUM		
11a	6Mbps	2	185	6875	15.58	15.93	18.77	1.39		20.16	30.00	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 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	SUM		
11a	6Mbps	2	117	6535	0.04	0.03				6.69	4.08	10.77	17.00	Pass
11a	6Mbps	2	149	6695	0.04	0.03				6.66	4.08	10.73	17.00	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 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	SUM		
11a	6Mbps	2	185	6875	0.04	0.03				6.77	4.08	10.84	17.00	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 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	001	5955	Full	19.04	19.03	21.79	21.59	320.00	Pass
HE20	MCS0	2	049	6195	Full	19.03	19.04	21.74	21.83	320.00	Pass
HE20	MCS0	2	093	6415	Full	19.03	19.03	21.80	22.12	320.00	Pass
HE40	MCS0	2	003	5965	Full	37.89	37.92	41.57	41.78	320.00	Pass
HE40	MCS0	2	051	6205	Full	37.92	37.90	41.52	41.79	320.00	Pass
HE40	MCS0	2	091	6405	Full	37.91	37.90	41.65	41.60	320.00	Pass
HE80	MCS0	2	007	5985	484/65	77.45	77.46	84.22	84.13	320.00	Pass
HE80	MCS0	2	055	6225	Full	77.47	77.44	84.96	83.87	320.00	Pass
HE80	MCS0	2	087	6385	Full	77.44	77.38	84.54	84.29	320.00	Pass
HE160	MCS0	2	015	6025	Full	156.44	156.42	168.19	166.61	320.00	Pass
HE160	MCS0	2	047	6185	Full	156.46	156.40	167.90	167.28	320.00	Pass
HE160	MCS0	2	079	6345	Full	156.30	156.45	168.00	166.08	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 6	Ant 7	SUM	Ant 6	Ant 7			
HE20	MCS0	2	001	5955	Full	16.88	17.34	20.13	1.45		21.58	30.00	Pass
HE20	MCS0	2	001	5955	26/0	6.93	7.33	10.14	1.45		11.59	30.00	Pass
HE20	MCS0	2	001	5955	52/37	10.22	10.71	13.48	1.45		14.93	30.00	Pass
HE20	MCS0	2	001	5955	106/53	13.36	13.62	16.50	1.45		17.95	30.00	Pass
HE20	MCS0	2	049	6195	Full	17.36	17.45	20.42	1.45		21.87	30.00	Pass
HE20	MCS0	2	049	6195	26/4	9.19	9.19	12.20	1.45		13.65	30.00	Pass
HE20	MCS0	2	049	6195	52/38	10.58	11.29	13.96	1.45		15.41	30.00	Pass
HE20	MCS0	2	049	6195	106/53	13.82	14.22	17.03	1.45		18.48	30.00	Pass
HE20	MCS0	2	093	6415	Full	17.00	17.29	20.16	1.45		21.61	30.00	Pass
HE20	MCS0	2	093	6415	26/8	4.48	4.72	7.61	1.45		9.06	30.00	Pass
HE20	MCS0	2	093	6415	52/40	10.34	10.67	13.52	1.45		14.97	30.00	Pass
HE20	MCS0	2	093	6415	106/54	14.05	14.09	17.08	1.45		18.53	30.00	Pass
HE40	MCS0	2	003	5965	Full	17.17	17.30	20.25	1.45		21.70	30.00	Pass
HE40	MCS0	2	003	5965	242/61	14.19	14.43	17.32	1.45		18.77	30.00	Pass
HE40	MCS0	2	051	6205	Full	17.07	17.05	20.07	1.45		21.52	30.00	Pass
HE40	MCS0	2	051	6205	242/61	13.84	14.22	17.04	1.45		18.49	30.00	Pass
HE40	MCS0	2	091	6405	Full	17.28	17.48	20.39	1.45		21.84	30.00	Pass
HE40	MCS0	2	091	6405	242/62	14.48	15.03	17.77	1.45		19.22	30.00	Pass
HE80	MCS0	2	007	5985	Full	16.97	17.18	20.09	1.45		21.54	30.00	Pass
HE80	MCS0	2	007	5985	484/65	13.84	13.99	16.93	1.45		18.38	30.00	Pass
HE80	MCS0	2	055	6225	Full	17.42	17.47	20.46	1.45		21.91	30.00	Pass
HE80	MCS0	2	055	6225	484/65	14.59	14.83	17.72	1.45		19.17	30.00	Pass
HE80	MCS0	2	087	6385	Full	17.03	17.22	20.14	1.45		21.59	30.00	Pass
HE80	MCS0	2	087	6385	484/66	10.75	11.13	13.95	1.45		15.40	30.00	Pass
HE160	MCS0	2	015	6025	Full	17.05	17.07	20.07	1.45		21.52	30.00	Pass
HE160	MCS0	2	015	6025	996/67	13.98	13.63	16.82	1.45		18.27	30.00	Pass
HE160	MCS0	2	047	6185	Full	17.02	17.15	20.10	1.45		21.55	30.00	Pass
HE160	MCS0	2	047	6185	996/67	13.95	14.45	17.22	1.45		18.67	30.00	Pass
HE160	MCS0	2	079	6345	Full	17.09	17.48	20.30	1.45		21.75	30.00	Pass
HE160	MCS0	2	079	6345	996/S67	13.75	14.66	17.24	1.45		18.69	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-5 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 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	SUM		
HE20	MCS0	2	001	5955	Full	0.02	0.02		7.53	4.10		11.63	17.00	Pass	
HE20	MCS0	2	001	5955	26/0	0.02	0.01		7.12	4.10		11.22	17.00	Pass	
HE20	MCS0	2	001	5955	52/37	0.01	0.02		7.31	4.10		11.41	17.00	Pass	
HE20	MCS0	2	001	5955	106/53	0.02	0.01		7.23	4.10		11.33	17.00	Pass	
HE20	MCS0	2	049	6195	Full	0.02	0.02		8.28	4.10		12.38	17.00	Pass	
HE20	MCS0	2	049	6195	26/4	0.02	0.01		8.01	4.10		12.11	17.00	Pass	
HE20	MCS0	2	049	6195	52/38	0.01	0.02		7.88	4.10		11.98	17.00	Pass	
HE20	MCS0	2	049	6195	106/53	0.02	0.01		7.86	4.10		11.96	17.00	Pass	
HE20	MCS0	2	093	6415	Full	0.02	0.02		7.41	4.10		11.51	17.00	Pass	
HE20	MCS0	2	093	6415	26/8	0.02	0.01		4.75	4.10		8.85	17.00	Pass	
HE20	MCS0	2	093	6415	52/40	0.01	0.02		6.94	4.10		11.05	17.00	Pass	
HE20	MCS0	2	093	6415	106/54	0.02	0.01		7.36	4.10		11.46	17.00	Pass	
HE40	MCS0	2	003	5965	Full	0.02	0.02		4.88	4.10		8.98	17.00	Pass	
HE40	MCS0	2	003	5965	242/61	0.02	0.01		4.39	4.10		8.49	17.00	Pass	
HE40	MCS0	2	051	6205	Full	0.02	0.02		4.77	4.10		8.87	17.00	Pass	
HE40	MCS0	2	051	6205	242/61	0.02	0.01		4.27	4.10		8.37	17.00	Pass	
HE40	MCS0	2	091	6405	Full	0.02	0.02		4.76	4.10		8.86	17.00	Pass	
HE40	MCS0	2	091	6405	242/62	0.02	0.01		4.41	4.10		8.51	17.00	Pass	
HE80	MCS0	2	007	5985	Full	0.02	0.02		1.45	4.10		5.56	17.00	Pass	
HE80	MCS0	2	007	5985	484/65	0.03	0.03		1.01	4.10		5.12	17.00	Pass	
HE80	MCS0	2	055	6225	Full	0.02	0.02	2.19	4.10		6.29	17.00	Pass		
HE80	MCS0	2	055	6225	484/65	0.03	0.03	2.05	4.10		6.16	17.00	Pass		
HE80	MCS0	2	087	6385	Full	0.02	0.02	-1.61	4.10		2.49	17.00	Pass		
HE80	MCS0	2	087	6385	484/66	0.03	0.03	-1.80	4.10		2.30	17.00	Pass		
HE160	MCS0	2	015	6025	Full	0.01	0.01	-1.13	4.10		2.98	17.00	Pass		
HE160	MCS0	2	015	6025	996/67	0.10	0.10	-1.65	4.10		2.45	17.00	Pass		
HE160	MCS0	2	047	6185	Full	0.01	0.01	-1.22	4.10		2.88	17.00	Pass		
HE160	MCS0	2	047	6185	996/67	0.10	0.10	-1.44	4.10		2.66	17.00	Pass		
HE160	MCS0	2	079	6345	Full	0.01	0.01	-1.21	4.10		2.89	17.00	Pass		
HE160	MCS0	2	079	6345	996/S67	0.10	0.10	-1.44	4.10		2.66	17.00	Pass		

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 MIMO											
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	117	6535	Full	19.03	19.04	21.76	21.62	320.00	Pass
HE20	MCS0	2	149	6695	Full	19.02	19.04	21.94	21.54	320.00	Pass
HE40	MCS0	2	123	6565	Full	37.87	37.86	41.54	41.58	320.00	Pass
HE40	MCS0	2	147	6685	Full	37.89	37.92	41.73	41.58	320.00	Pass
HE80	MCS0	2	135	6625	Full	77.40	77.42	84.19	84.54	320.00	Pass
HE80	MCS0	2	151	6705	Full	77.38	77.46	84.74	84.45	320.00	Pass
HE160	MCS0	2	143	6665	Full	156.31	156.30	166.32	165.70	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 6	Ant 7	Ant 6	Ant 7		
HE20	MCS0	2	185	6875	Full	19.03	19.05	21.75	21.72	320.00	Pass
HE40	MCS0	2	187	6885	Full	37.90	37.90	41.84	42.00	320.00	Pass
HE80	MCS0	2	183	6865	Full	77.43	77.49	84.10	84.86	320.00	Pass
HE160	MCS0	2	175	6825	Full	156.29	156.56	166.85	166.99	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 6	Ant 7	SUM	Ant 6	Ant 7			
HE20	MCS0	2	117	6535	Full	15.23	15.85	18.56	1.39		19.95	30.00	Pass
HE20	MCS0	2	117	6535	26/0	5.84	6.21	9.04	1.39		10.43	30.00	Pass
HE20	MCS0	2	117	6535	52/37	8.70	8.76	11.74	1.39		13.13	30.00	Pass
HE20	MCS0	2	117	6535	106/53	11.68	11.92	14.81	1.39		16.20	30.00	Pass
HE20	MCS0	2	149	6695	Full	15.53	15.96	18.76	1.39		20.15	30.00	Pass
HE20	MCS0	2	149	6695	26/4	6.72	7.04	9.89	1.39		11.28	30.00	Pass
HE20	MCS0	2	149	6695	52/38	9.07	9.40	12.25	1.39		13.64	30.00	Pass
HE20	MCS0	2	149	6695	106/53	12.38	12.23	15.32	1.39		16.71	30.00	Pass
HE40	MCS0	2	123	6565	Full	15.02	15.84	18.46	1.39		19.85	30.00	Pass
HE40	MCS0	2	123	6565	242/61	12.93	13.05	16.00	1.39		17.39	30.00	Pass
HE40	MCS0	2	147	6685	Full	15.33	15.73	18.54	1.39		19.93	30.00	Pass
HE40	MCS0	2	147	6685	242/61	12.56	12.32	15.45	1.39		16.84	30.00	Pass
HE80	MCS0	2	135	6625	Full	15.56	15.93	18.76	1.39		20.15	30.00	Pass
HE80	MCS0	2	135	6625	484/65	12.48	12.59	15.55	1.39		16.94	30.00	Pass
HE80	MCS0	2	151	6705	Full	15.45	15.92	18.70	1.39		20.09	30.00	Pass
HE80	MCS0	2	151	6705	484/65	12.69	12.44	15.58	1.39		16.97	30.00	Pass
HE160	MCS0	2	143	6665	Full	15.40	15.98	18.71	1.39		20.10	30.00	Pass
HE160	MCS0	2	143	6665	996/67	13.21	13.12	16.18	1.39		17.57	30.00	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 6	Ant 7	SUM	Ant 6	Ant 7			
HE20	MCS0	2	185	6875	Full	15.57	15.95	18.77	1.39		20.16	30.00	Pass
HE20	MCS0	2	185	6875	26/8	5.86	5.87	8.88	1.39		10.27	30.00	Pass
HE20	MCS0	2	185	6875	52/40	9.20	9.59	12.41	1.39		13.80	30.00	Pass
HE20	MCS0	2	185	6875	106/54	12.36	12.13	15.26	1.39		16.65	30.00	Pass
HE40	MCS0	2	187	6885	Full	15.88	15.97	18.94	1.39		20.33	30.00	Pass
HE40	MCS0	2	187	6885	242/62	11.73	11.65	14.70	1.39		16.09	30.00	Pass
HE80	MCS0	2	183	6865	Full	15.41	15.82	18.63	1.39		20.02	30.00	Pass
HE80	MCS0	2	183	6865	484/66	13.07	12.78	15.94	1.39		17.33	30.00	Pass
HE160	MCS0	2	175	6825	Full	15.52	15.89	18.72	1.39		20.11	30.00	Pass
HE160	MCS0	2	175	6825	996/67	13.30	13.02	16.17	1.39		17.56	30.00	Pass
HE160	MCS0	2	175	6825	996/S67	12.63	12.64	15.65	1.39		17.04	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

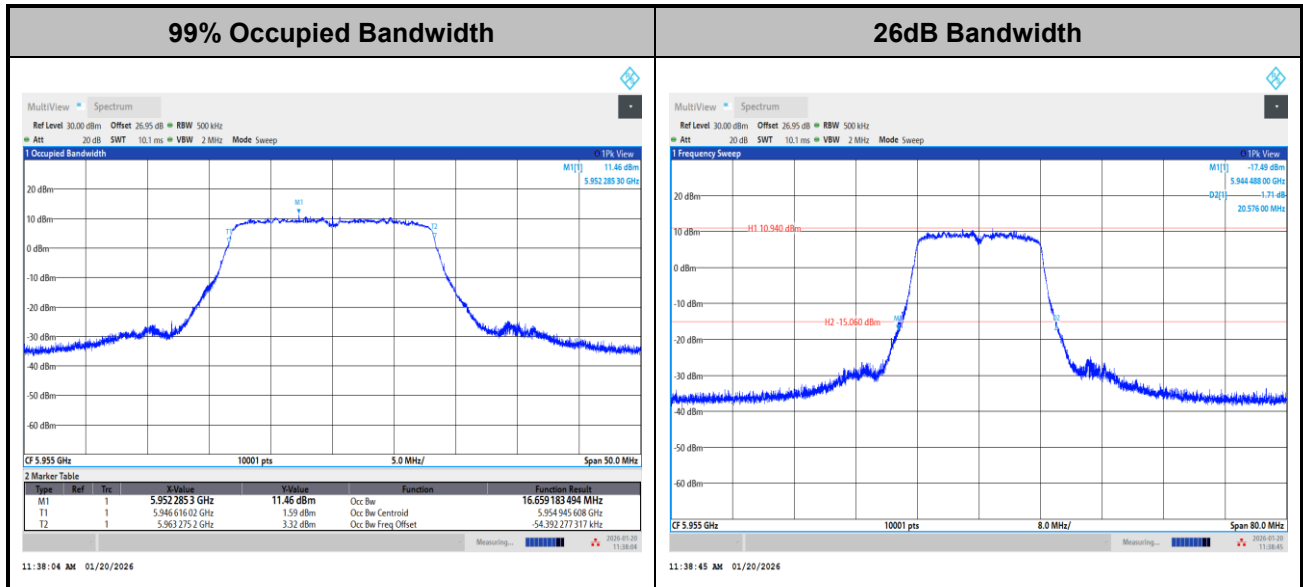
U-NII-7 MIMO															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	SUM		
HE20	MCS0	2	117	6535	Full	0.02	0.02			5.90	4.08	9.98	17.00	Pass	
HE20	MCS0	2	117	6535	26/0	0.02	0.01			5.67	4.08	9.75	17.00	Pass	
HE20	MCS0	2	117	6535	52/37	0.01	0.02			5.51	4.08	9.59	17.00	Pass	
HE20	MCS0	2	117	6535	106/53	0.02	0.01			5.55	4.08	9.63	17.00	Pass	
HE20	MCS0	2	149	6695	Full	0.02	0.02			5.85	4.08	9.93	17.00	Pass	
HE20	MCS0	2	149	6695	26/4	0.02	0.01			5.47	4.08	9.54	17.00	Pass	
HE20	MCS0	2	149	6695	52/38	0.01	0.02			5.82	4.08	9.90	17.00	Pass	
HE20	MCS0	2	149	6695	106/53	0.02	0.01			5.73	4.08	9.81	17.00	Pass	
HE40	MCS0	2	123	6565	Full	0.02	0.02			3.06	4.08	7.14	17.00	Pass	
HE40	MCS0	2	123	6565	242/61	0.02	0.01			2.96	4.08	7.03	17.00	Pass	
HE40	MCS0	2	147	6685	Full	0.02	0.02			2.81	4.08	6.89	17.00	Pass	
HE40	MCS0	2	147	6685	242/61	0.02	0.01			2.31	4.08	6.39	17.00	Pass	
HE80	MCS0	2	135	6625	Full	0.02	0.02			0.18	4.08	4.25	17.00	Pass	
HE80	MCS0	2	135	6625	484/65	0.03	0.03			-0.17	4.08	3.91	17.00	Pass	
HE80	MCS0	2	151	6705	Full	0.02	0.02			0.11	4.08	4.19	17.00	Pass	
HE80	MCS0	2	151	6705	484/65	0.03	0.03			-0.32	4.08	3.75	17.00	Pass	
HE160	MCS0	2	143	6665	Full	0.01	0.01		-2.61	4.08	1.47	17.00	Pass		
HE160	MCS0	2	143	6665	996/67	0.10	0.10		-2.99	4.08	1.08	17.00	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 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7		
HE20	MCS0	2	185	6875	Full	0.02	0.02			6.13	4.08	10.20	17.00	Pass
HE20	MCS0	2	185	6875	26/8	0.02	0.01			5.72	4.08	9.80	17.00	Pass
HE20	MCS0	2	185	6875	52/40	0.01	0.02			5.81	4.08	9.88	17.00	Pass
HE20	MCS0	2	185	6875	106/54	0.02	0.01			5.98	4.08	10.06	17.00	Pass
HE40	MCS0	2	187	6885	Full	0.02	0.02			3.79	4.08	7.86	17.00	Pass
HE40	MCS0	2	187	6885	242/62	0.02	0.01			3.26	4.08	7.33	17.00	Pass
HE80	MCS0	2	183	6865	Full	0.02	0.02			0.21	4.08	4.28	17.00	Pass
HE80	MCS0	2	183	6865	484/66	0.03	0.03			-0.23	4.08	3.85	17.00	Pass
HE160	MCS0	2	175	6825	Full	0.01	0.01			-2.87	4.08	1.20	17.00	Pass
HE160	MCS0	2	175	6825	996/67	0.10	0.10			-3.03	4.08	1.05	17.00	Pass
HE160	MCS0	2	175	6825	996/S67	0.10	0.10		-2.96	4.08	1.12	17.00	Pass	

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

MIMO <Ant. 6+7>

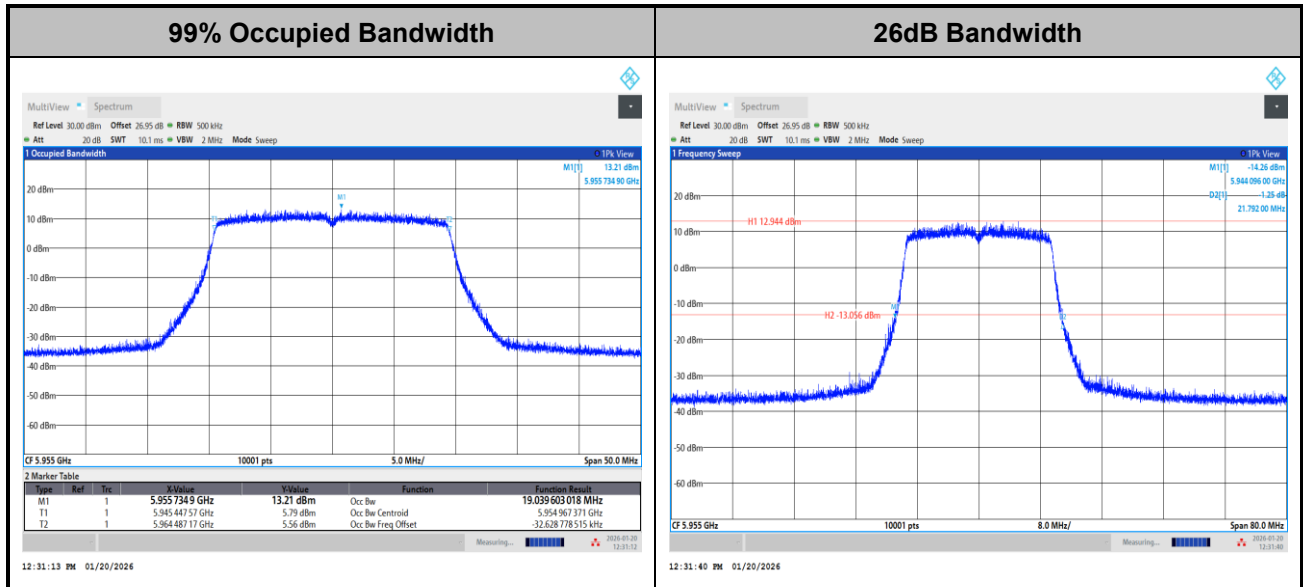
<802.11a>



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



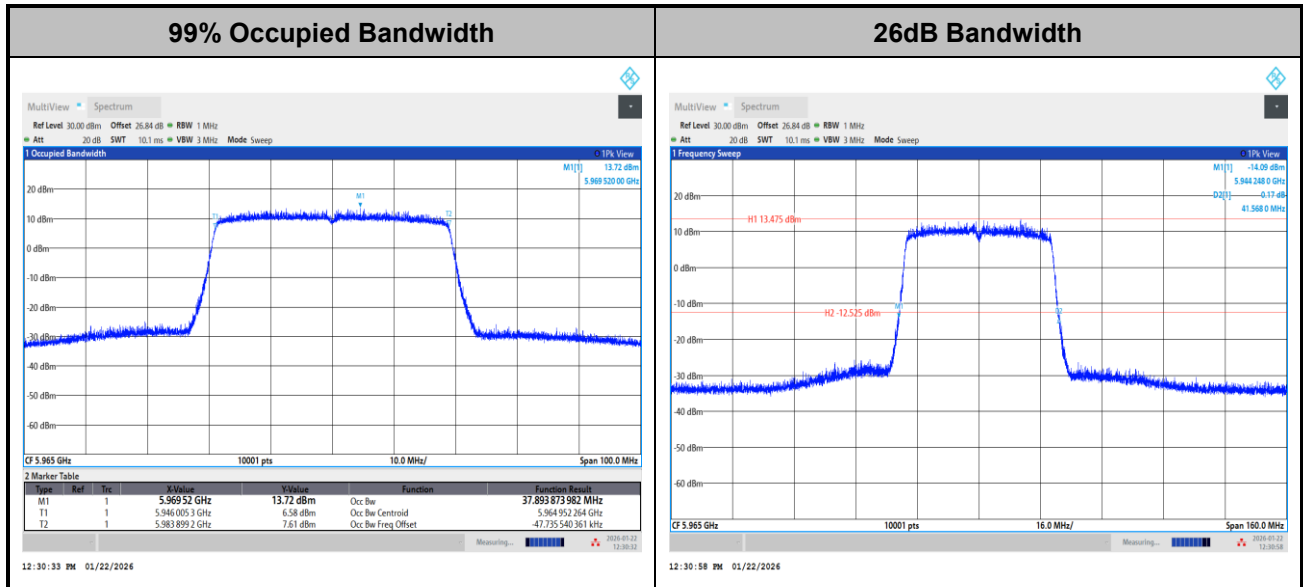
<802.11ax HE20>



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



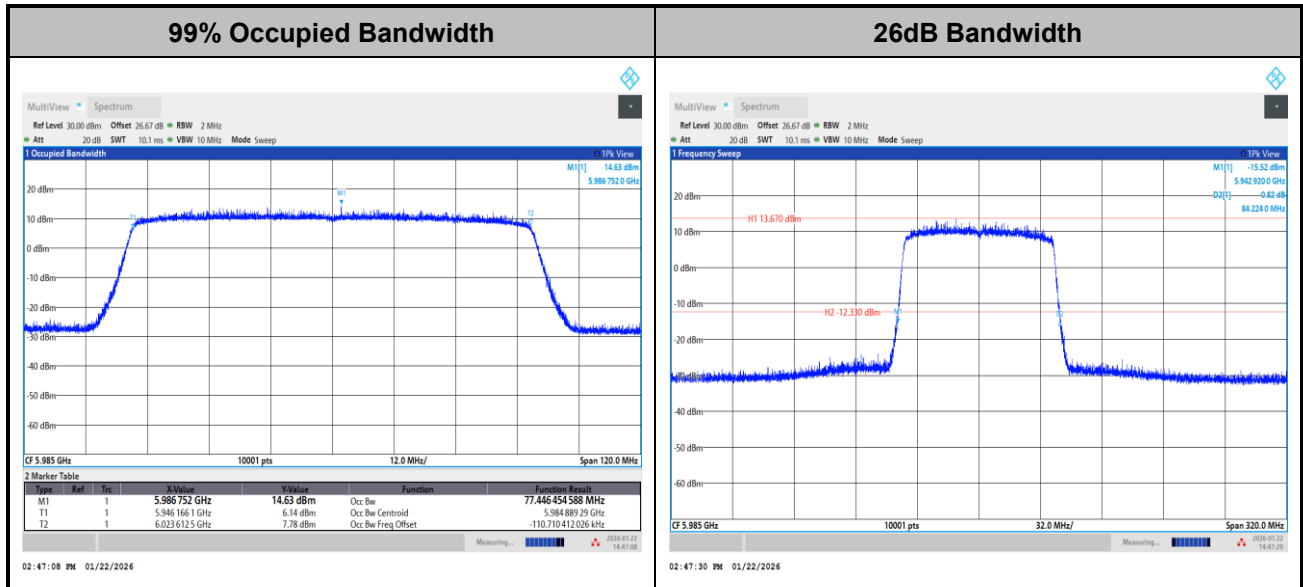
<802.11ax HE40>



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



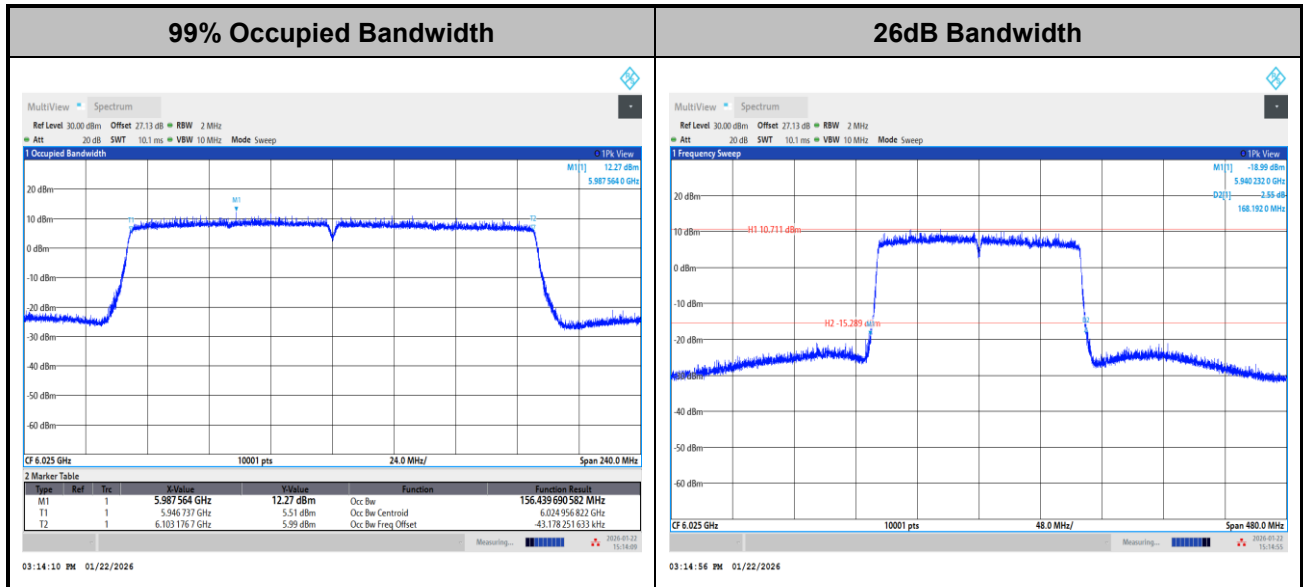
<802.11ax HE80>



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



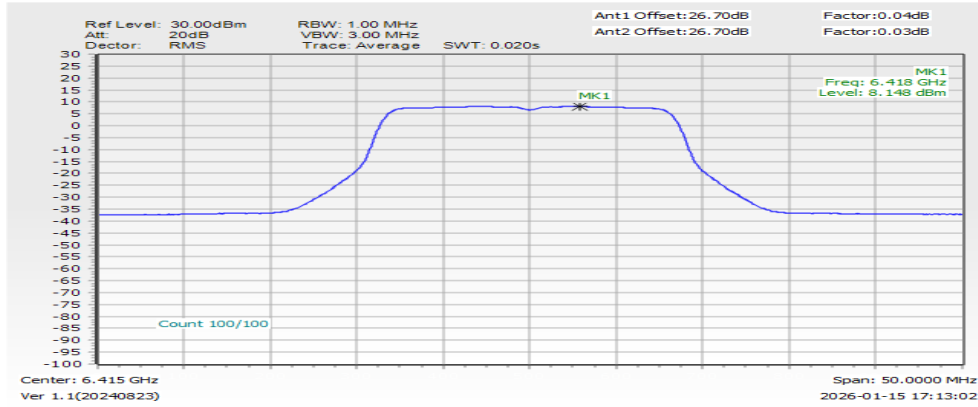
<802.11ax HE160>



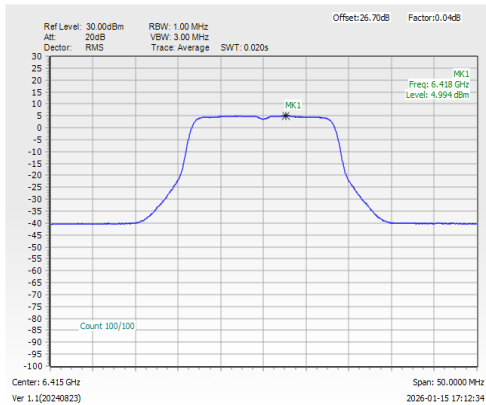
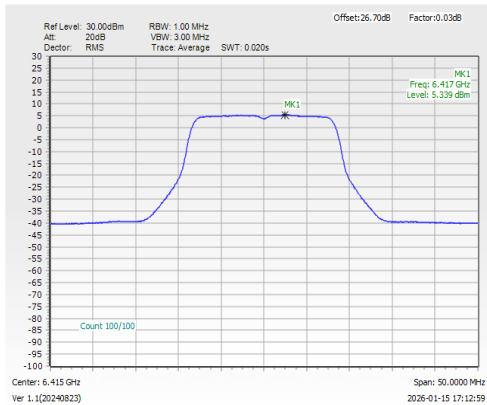
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

**Test Result of Power Spectral Density**

<802.11a>

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

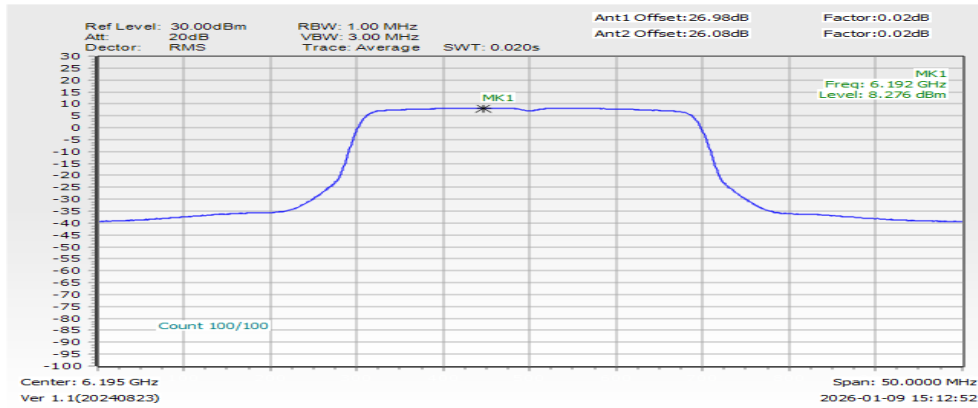
- 1.EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
- 2.The test plot is showing a bin by bin combined result mathematically adds two traces.

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



<802.11ax HE20>

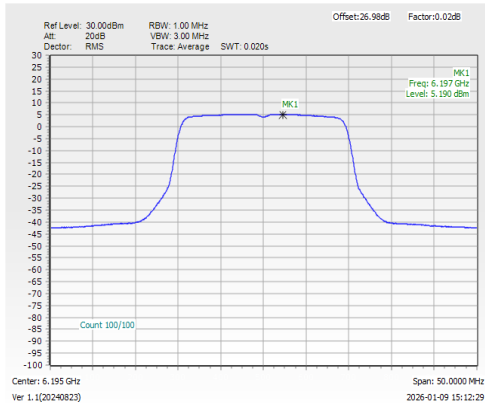
Maximum Power Density Plot (dBm/MHz)



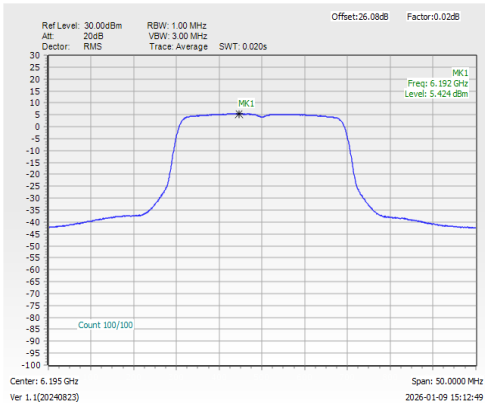
Note:

- 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 1)



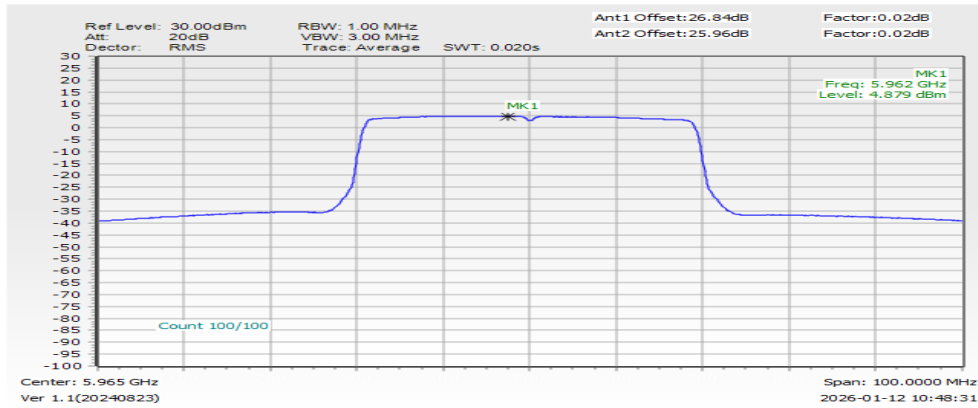
Power Density Plot Trace 2 (Ant 2)





<802.11ax HE40>

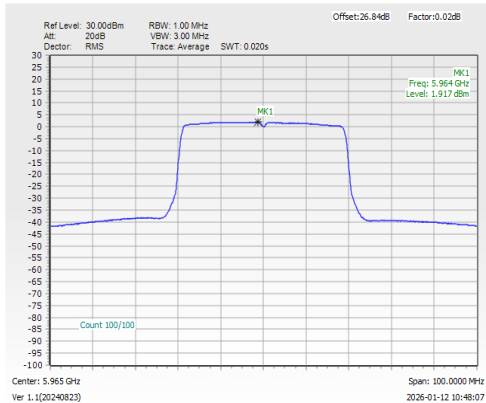
Maximum Power Density Plot (dBm/MHz)



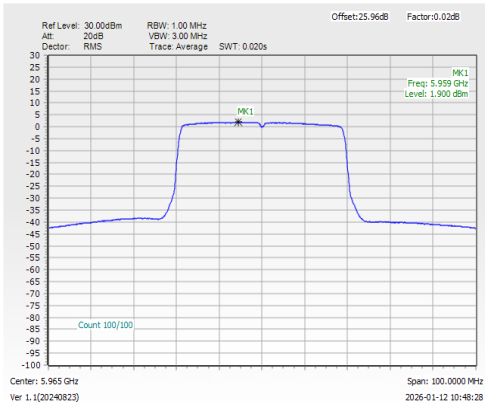
Note:

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

Power Density Plot Trace 1 (Ant 1)



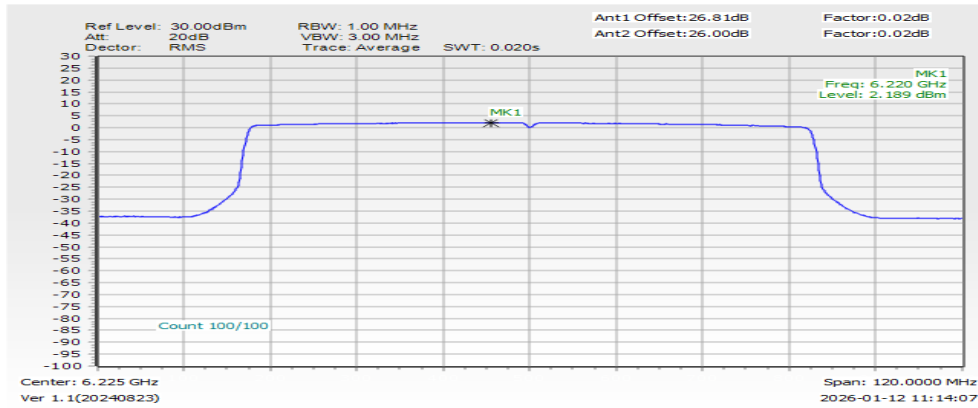
Power Density Plot Trace 2 (Ant 2)





<802.11ax HE80>

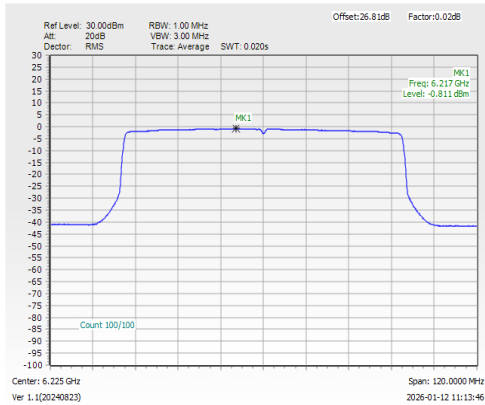
Maximum Power Density Plot (dBm/MHz)



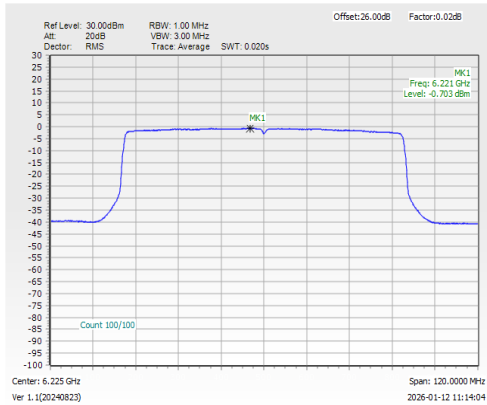
Note:

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

Power Density Plot Trace 1 (Ant 1)



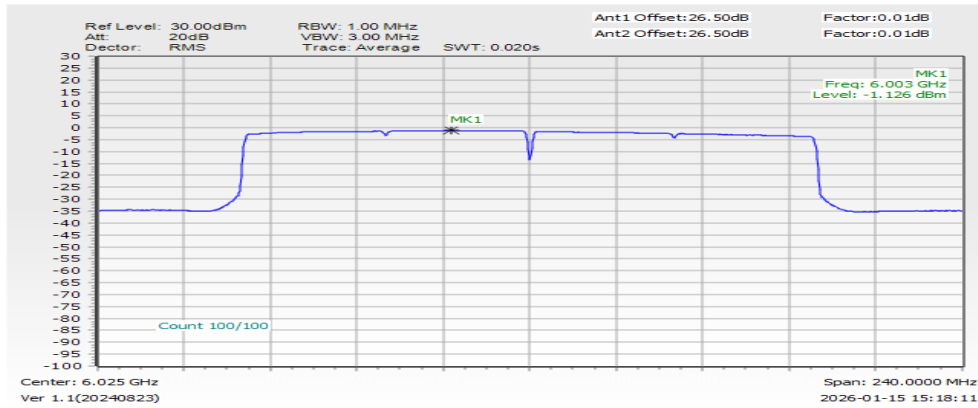
Power Density Plot Trace 2 (Ant 2)





<802.11ax HE160>

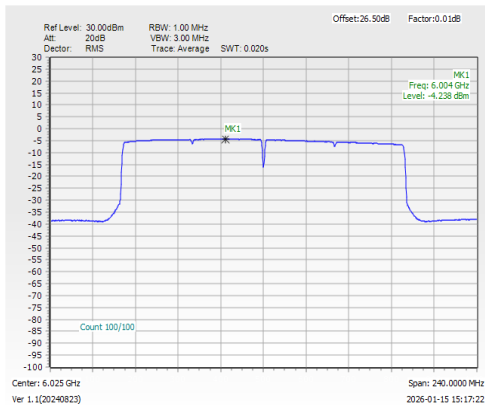
Maximum Power Density Plot (dBm/MHz)



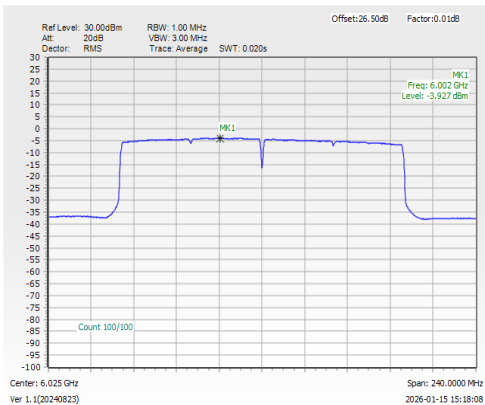
Note:

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

Power Density Plot Trace 1 (Ant 1)



Power Density Plot Trace 2 (Ant 2)





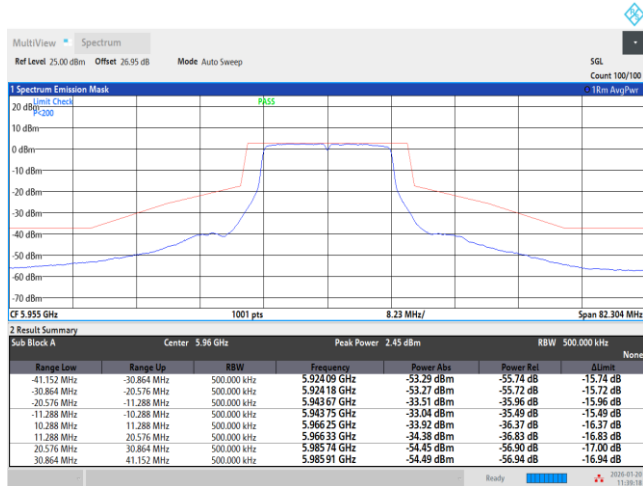
In-Band Emissions (Channel Mask)

MIMO <Ant. 6+7(Ant6)>

EUT Mode

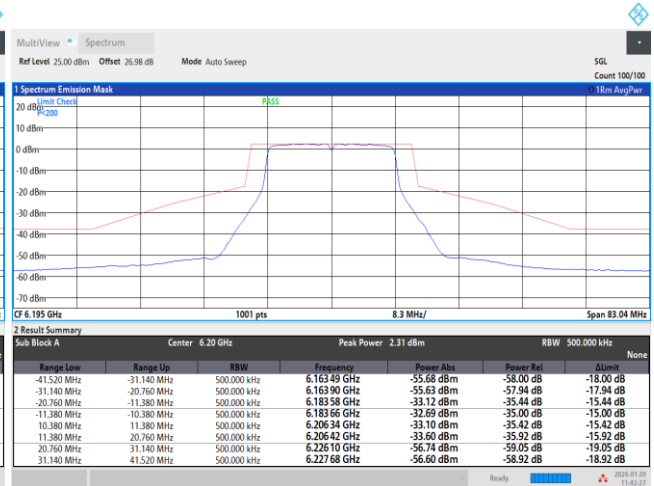
802.11a

Plot on 5955 MHz



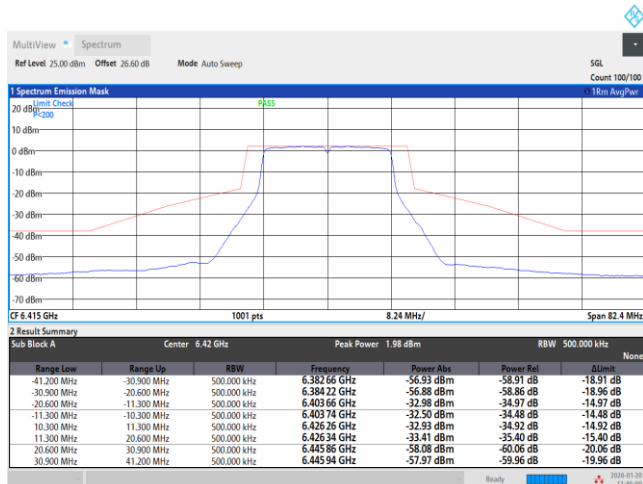
11:39:19 AM 01/20/2026

Plot on 6195 MHz



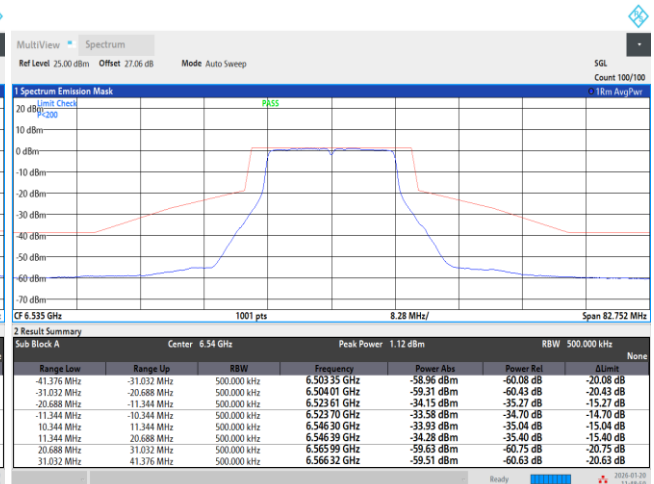
11:42:27 AM 01/20/2026

Plot on 6415 MHz



11:46:00 AM 01/20/2026

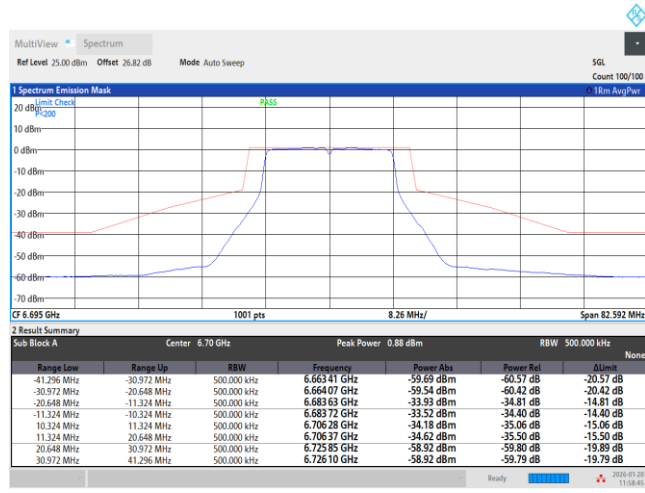
Plot on 6535 MHz



11:48:51 AM 01/20/2026

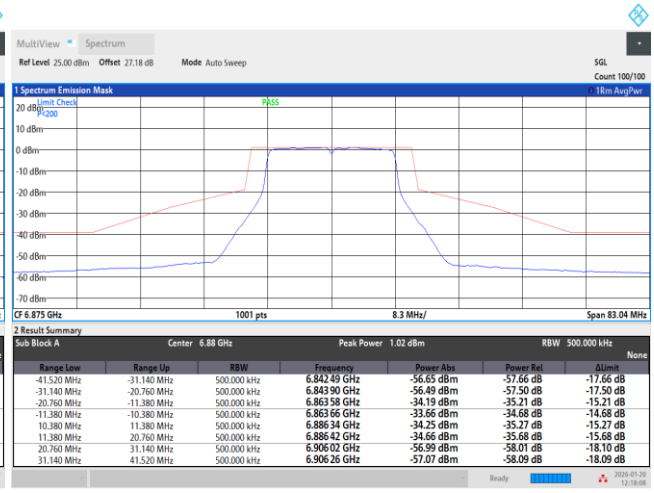


Plot on 6695 MHz



11:58:45 AM 01/20/2026

Plot on 6875 MHz



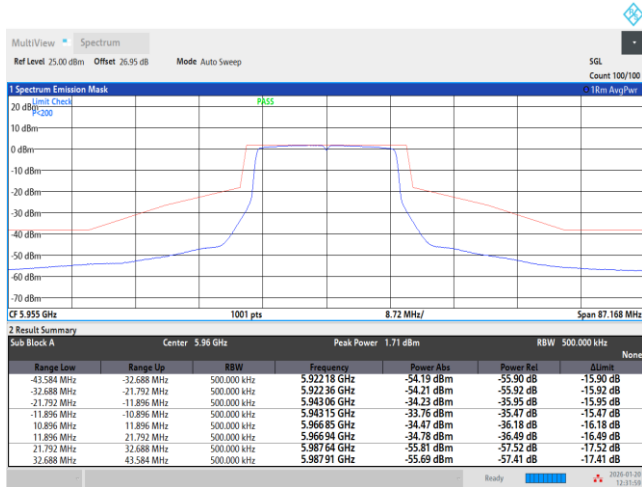
12:18:08 PM 01/20/2026



EUT Mode

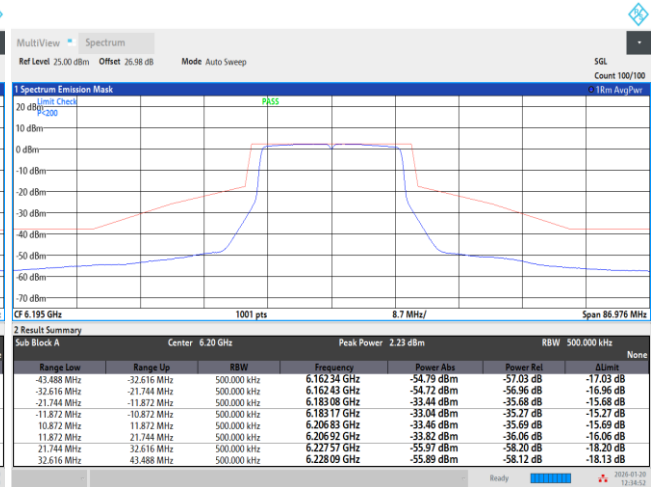
802.11ax HE20 FullRU

Plot on 5955 MHz



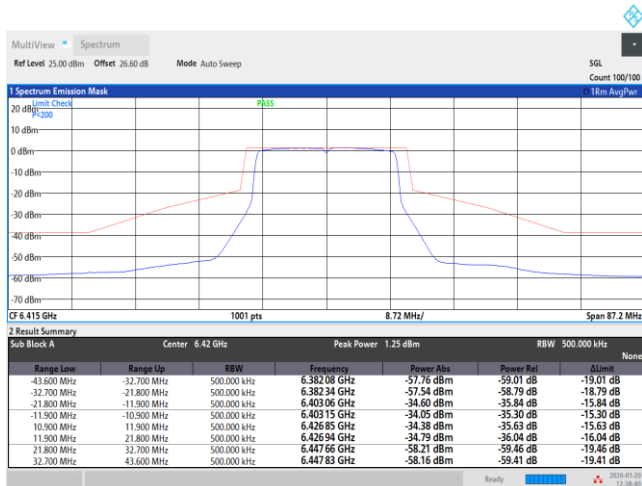
12:31:59 PM 01/20/2026

Plot on 6195 MHz



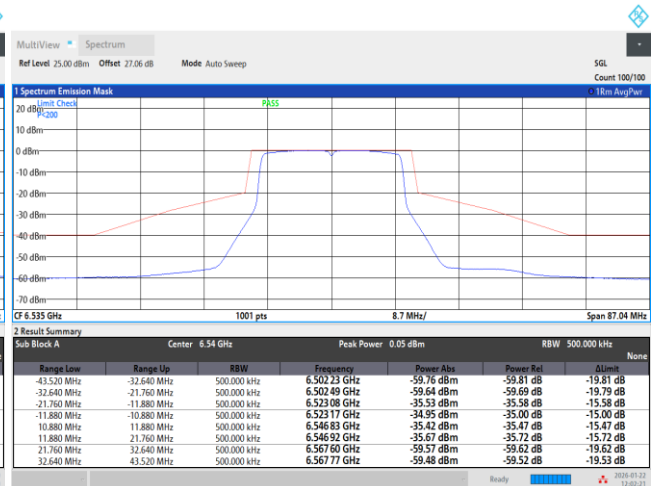
12:34:53 PM 01/20/2026

Plot on 6415 MHz



12:38:41 PM 01/20/2026

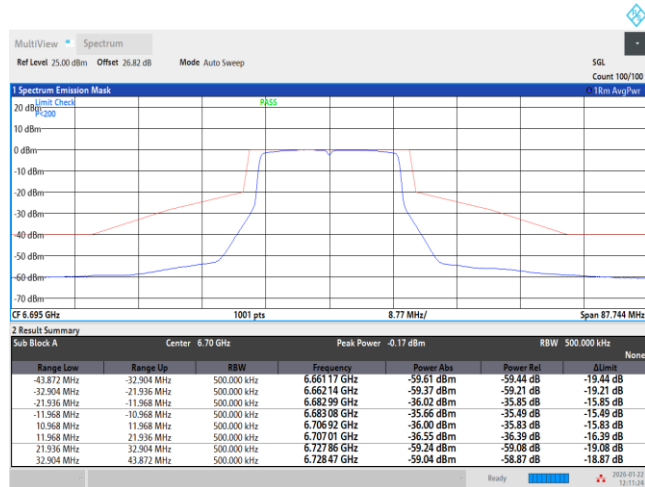
Plot on 6535 MHz



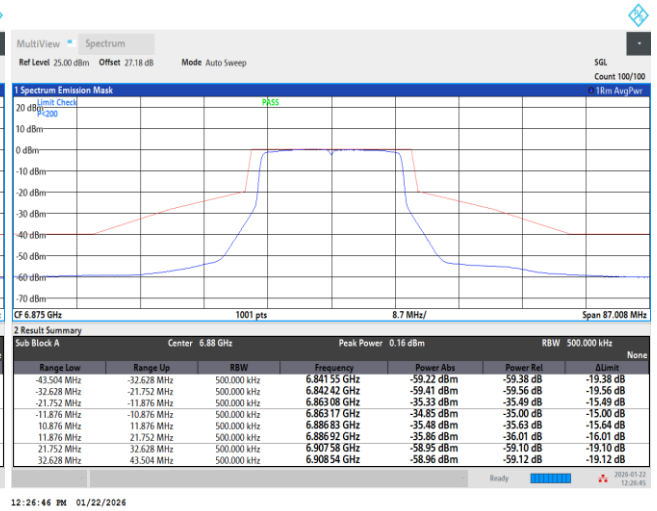
12:02:21 PM 01/22/2026



Plot on 6695 MHz



Plot on 6875 MHz

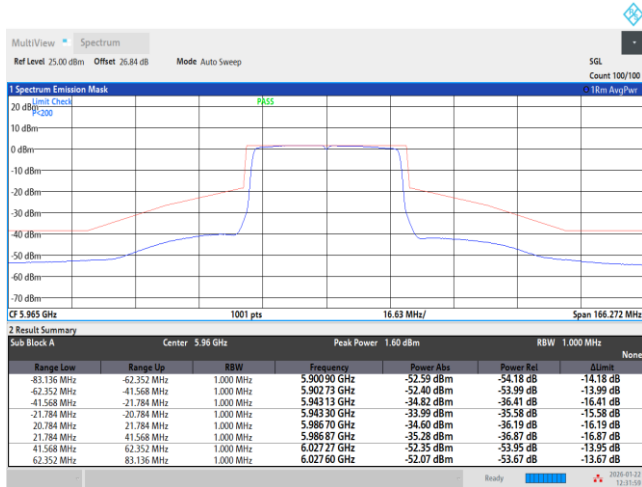




EUT Mode

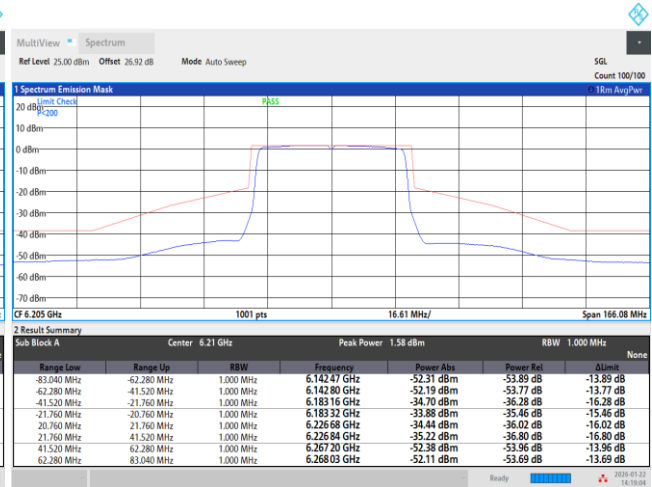
802.11ax HE40 FullRU

Plot on 5965 MHz



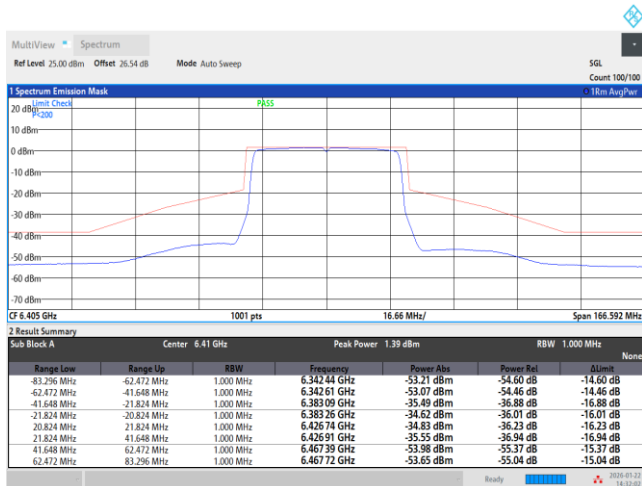
12:32:00 PM 01/22/2026

Plot on 6205 MHz



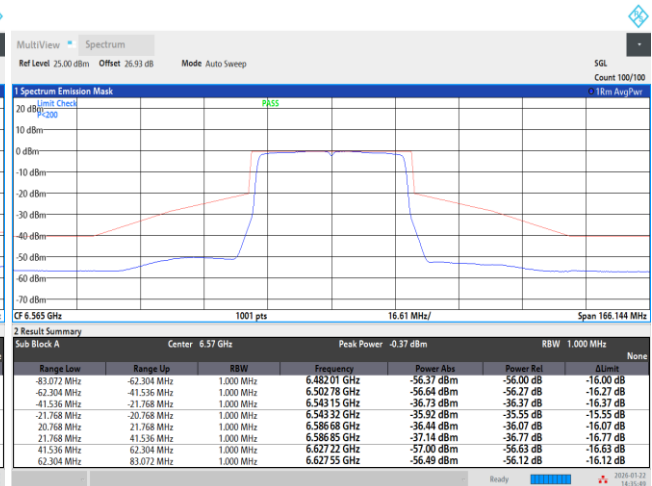
02:19:05 PM 01/22/2026

Plot on 6405 MHz



02:32:02 PM 01/22/2026

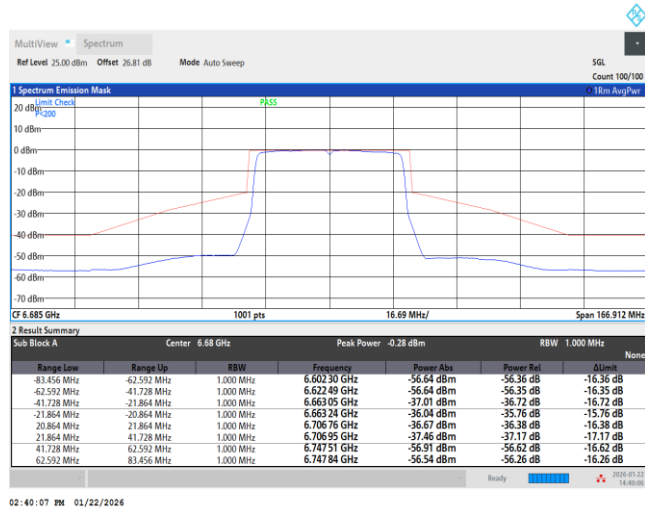
Plot on 6565 MHz



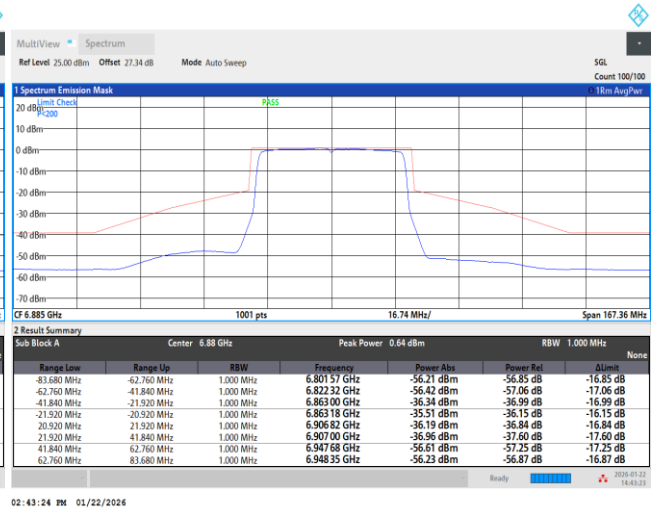
02:35:50 PM 01/22/2026



Plot on 6685 MHz



Plot on 6885 MHz

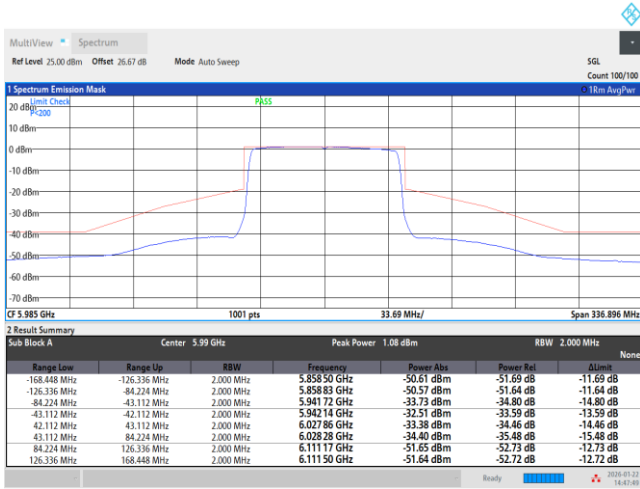




EUT Mode

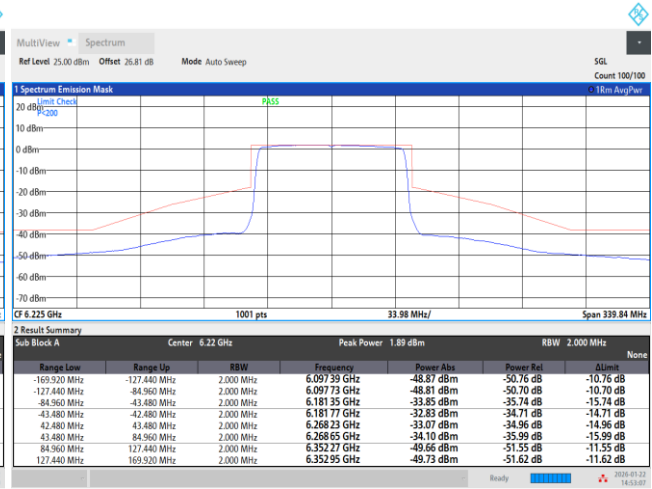
802.11ax HE80 FullIRU

Plot on 5985 MHz



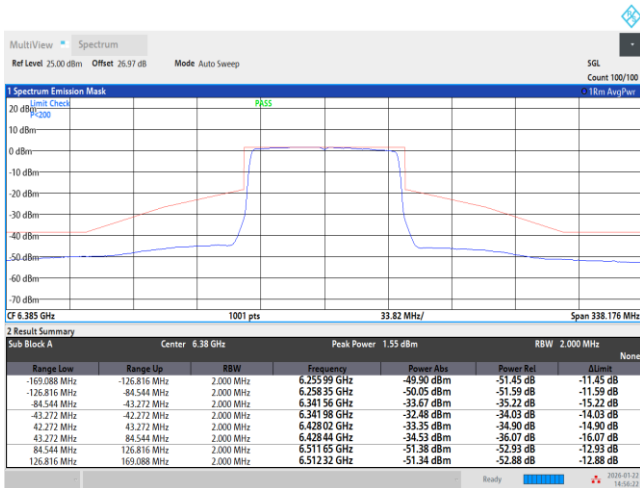
02:47:50 PM 01/22/2026

Plot on 6225 MHz



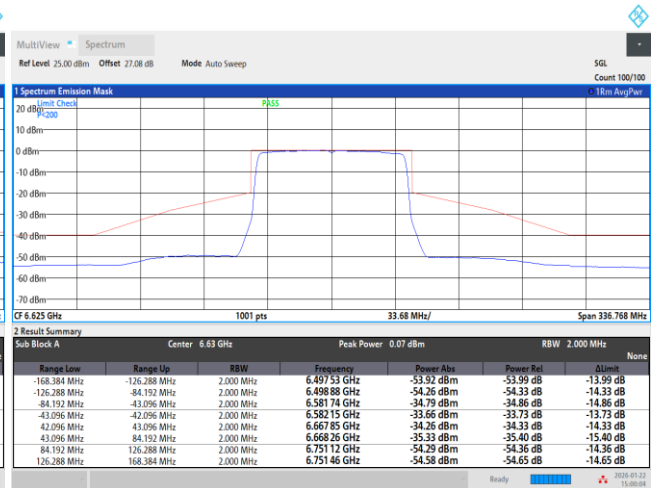
02:53:07 PM 01/22/2026

Plot on 6385 MHz



02:56:22 PM 01/22/2026

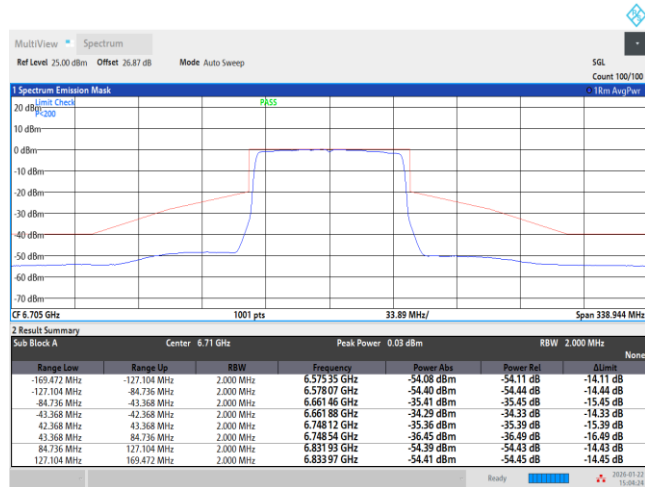
Plot on 6625 MHz



03:00:04 PM 01/22/2026

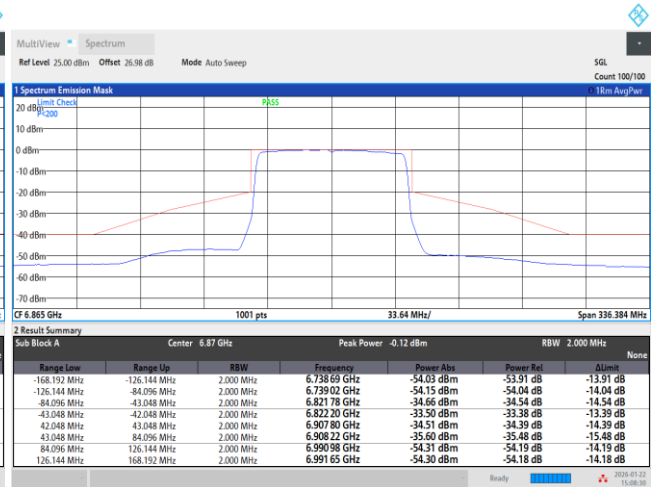


Plot on 6705 MHz



03:04:24 PM 01/22/2026

Plot on 6865 MHz



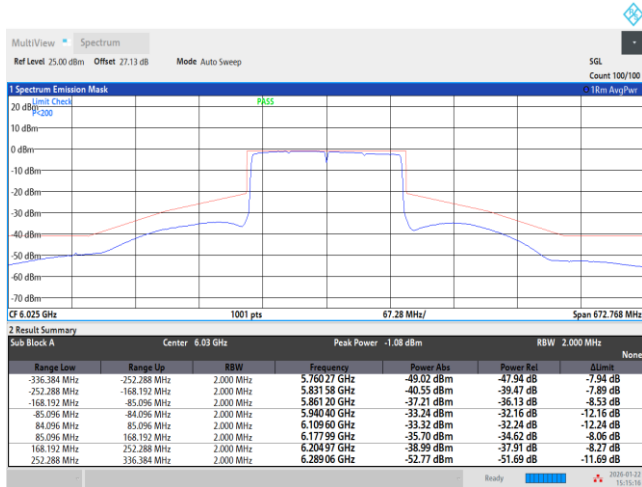
03:08:31 PM 01/22/2026



EUT Mode

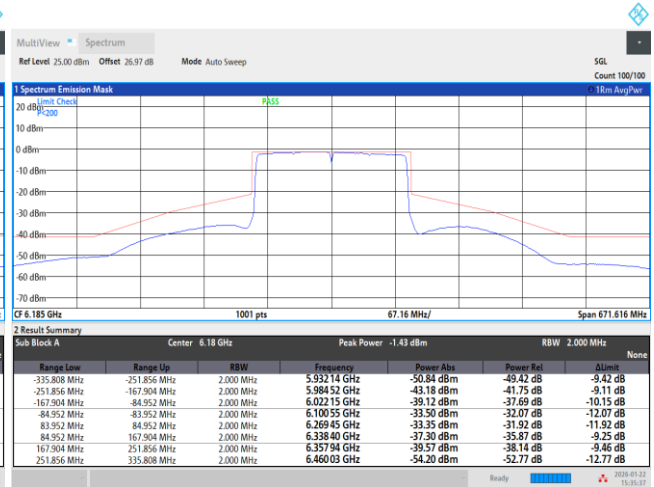
802.11ax HE160 FullRU

Plot on 6025 MHz



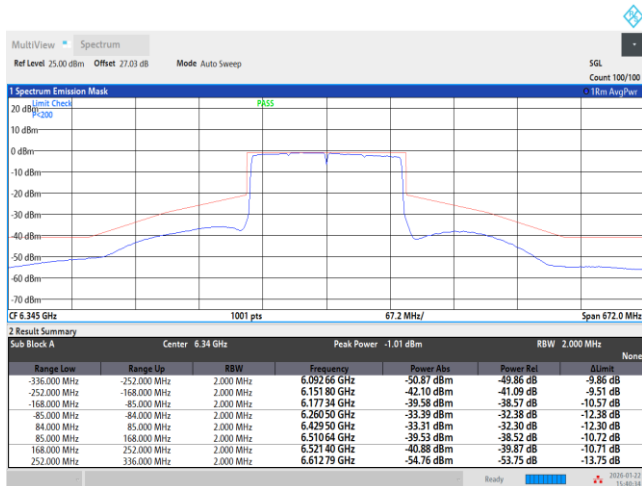
03:15:17 PM 01/22/2026

Plot on 6185 MHz



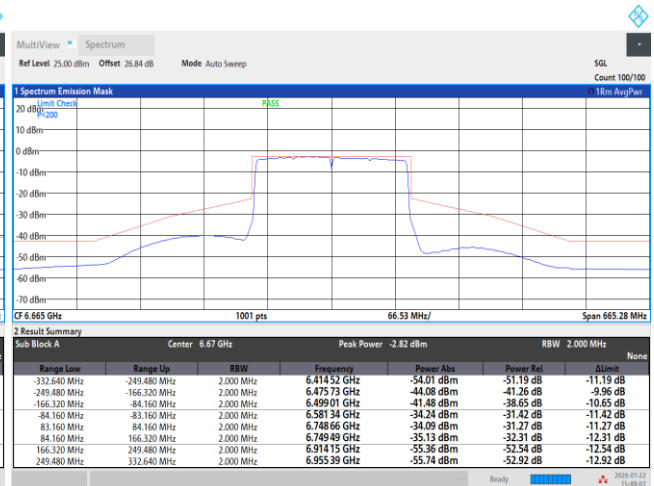
03:35:38 PM 01/22/2026

Plot on 6345 MHz



03:40:35 PM 01/22/2026

Plot on 6665 MHz



03:48:07 PM 01/22/2026



Plot on 6825 MHz

