



FCC RADIO TEST REPORT

FCC ID : G95438TX
Equipment : CWA438TCOM
Brand Name : Vantiva
Model Name : CWA438TCOM, CWA438TCOX
Marketing Name : XB9
Applicant : Vantiva USA LLC
4855 Peachtree Industrial Blvd. Suite 200
Norcross, Georgia 30092
Manufacturer : Vantiva
4855 Peachtree Industrial Blvd, Suite 200
Norcross GA 30092
Standard : FCC Part 15 Subpart E §15.407

The product was received on Jan. 26, 2026 and testing was performed from Feb. 13, 2026 to May 19, 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.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

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



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History of this test report

Report No.	Version	Description	Issue Date
FR612627F	01	Initial issue of report	Jul. 06, 2026
FR612627F	02	Delete note 2 from section 1.3. This report is an updated version, replacing the report issued on Jul. 06, 2026.	Jul. 08, 2026

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.407(a)(10)	26dB Emission Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Pass	-
3.2	15.407(a)(5)	Fundamental Maximum EIRP	Pass	-
3.3	15.407(a)(5)	Fundamental Power Spectral Density	Pass	-
3.4	15.407(b)(7)	In-Band Emissions (Channel Mask)	Pass	-
3.5	15.407(d)(6)	Contention Based Protocol	Pass	-
3.6	15.407(b)	Unwanted Emissions	Pass	-
3.7	15.207	AC Conducted Emission	Pass	-
3.8	15.203 15.407(a)	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:

1. 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.
2. Model name etched on bottom of the product is different to reflect different customers.

Reviewed by: Alan Liu

Report Producer: Julia Chang

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature		
General Specs Bluetooth - LE, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax/be, Wi-Fi 5GHz 802.11a/n/ac/ax/be, Wi-Fi 6GHz 802.11a/ax/be, and ZigBee.		
Antenna Type WLAN: Dipole Antenna		
Antenna information for Directional Gain		
5925 MHz ~ 6425 MHz	Peak Gain (dBi)	<Ant. 6G 1+2+3+4> Correlated: 5.4 Uncorrelated: 0.9
6425 MHz ~ 6525 MHz	Peak Gain (dBi)	<Ant. 6G 1+2+3+4> Correlated: 5.4 Uncorrelated: -0.5
6525 MHz ~ 6875 MHz	Peak Gain (dBi)	<Ant. 6G 1+2+3+4> Correlated: 5.0 Uncorrelated: -0.5
6875 MHz ~ 7125 MHz	Peak Gain (dBi)	<Ant. 6G 1+2+3+4> Correlated: 5.0 Uncorrelated: -0.4

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.



1.3 Testing Location

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

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).
- 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 320M	Channel	31							
	Freq. (MHz)	6105							

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 320M	Channel	63							
	Freq. (MHz)	6265							



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 320M	Channel	95							
	Freq. (MHz)	6425							

BW 20M	Channel	97	101	105	109	113	117	121	125
	Freq. (MHz)	6435	6455	6475	6495	6515	6535	6555	6575
BW 40M	Channel	99		107		115		123	
	Freq. (MHz)	6445		6485		6525		6565	
BW 80M	Channel	103				119			
	Freq. (MHz)	6465				6545			
BW 160M	Channel	111							
	Freq. (MHz)	6505							
BW 320M	Channel	127							
	Freq. (MHz)	6585							

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 320M	Channel	159							
	Freq. (MHz)	6745							



BW 20M	Channel	161	165	169	173	177	181	185	189
	Freq. (MHz)	6755	6775	6795	6815	6835	6855	6875	6895
BW 40M	Channel	163		171		179		187	
	Freq. (MHz)	6765		6805		6845		6885	
BW 80M	Channel	167				183			
	Freq. (MHz)	6785				6865			
BW 160M	Channel	175							
	Freq. (MHz)	6825							
BW 320M	Channel	191							
	Freq. (MHz)	6905							

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

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

BW 20M	Channel	233							
	Freq. (MHz)	7115							

2.2 Test Mode

Only full RU is supported for 11ax and 11be.

The power for 802.11ax mode is smaller than 802.11be mode, so all other conducted and radiated test is covered by 802.11be mode.

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

<MIMO Mode>

<SDM Mode> <N_{ss} = 4>

Modulation	Data Rate
802.11a	6 Mbps
802.11ax HE20 (Cover by EHT20)	MCS0
802.11ax HE40 (Cover by EHT40)	MCS0
802.11ax HE80 (Cover by EHT80)	MCS0
802.11ax HE160 (Cover by EHT160)	MCS0
802.11be EHT20	MCS0
802.11be EHT40	MCS0
802.11be EHT80	MCS0
802.11be EHT160	MCS0
802.11be EHT320	MCS0

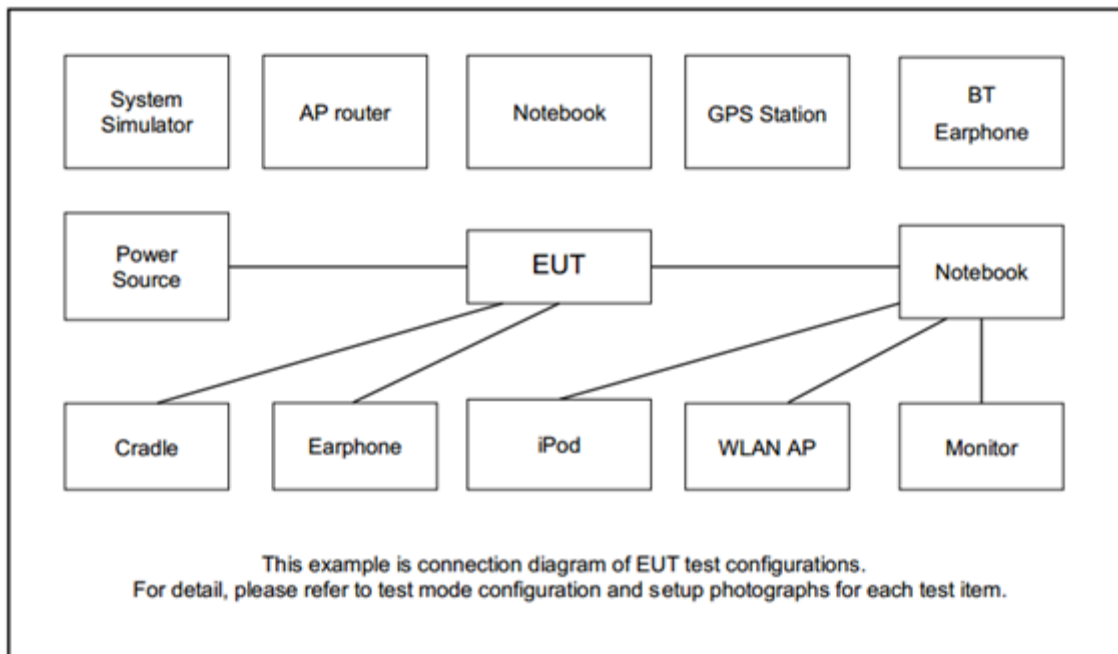
Remark: The conducted power level of each chain in MIMO mode is equal or higher than SISO mode.

<TXBF Mode> <N_{ss} = 1>

Modulation	Data Rate
802.11ax HE20 (Cover by EHT20)	MCS0
802.11ax HE40 (Cover by EHT40)	MCS0
802.11ax HE80 (Cover by EHT80)	MCS0
802.11ax HE160 (Cover by EHT160)	MCS0
802.11be EHT20	MCS0
802.11be EHT40	MCS0
802.11be EHT80	MCS0
802.11be EHT160	MCS0
802.11be EHT320	MCS0

Test Cases	
AC Conducted Emission	Mode 1: WLAN (6GHz) Link + LAN Link + AC Adapter
Remark: - The detailed Radiated test modes are shown in Appendix C. - Based on ANSI C63.10 clause 5.6.2.2, b) Spurious emissions, measure the mode with the highest output power and the mode with highest output power spectral density for each modulation family.	

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2m DC O/P: Shielded, 1.8m
2.	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 “Manual Tool3.3.0.9” 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.

For TXBF mode, the modulation modes and data rates manipulated by the command lines in the engineering program made the EUT link to another EUT by power under the normal operation. The “putty” software tool was used to enable the EUT to transmit signals continuously.

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.

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



3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Limit of 26dB & 99% Occupied Bandwidth

<FCC 14-30 CFR 15.407>

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

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

For channels with a nominal bandwidth of 320 MHz, compliance is demonstrated by way of the 99% BW.

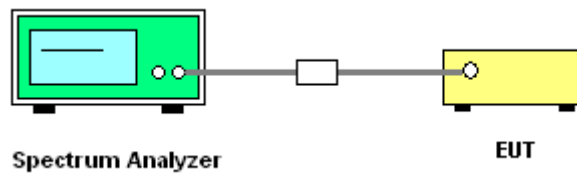
3.1.2 Measuring Instruments

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.



3.2 Fundamental Maximum EIRP Measurement

3.2.1 Limit of Fundamental Maximum EIRP

<FCC 14-30 CFR 15.407>

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

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

<TXBF Mode>

1. The EUT was placed on the top of a rotating table 1.5meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
2. Perform a field strength measurement following ANSI C63.10 and record the worse field strength value via a spectrum reading obtained corrected for antenna factor cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP level.
3. Follow ANSI C63.10 and KDB 412172 D01 v01r01,
EIRP Value (dBm) = Field Strength Value(dBuV/m) + Correction Factor @3m.
4. Correction Factor (dB) @ 3m = $20\log(D = 3m) - 104.77 = -95.23\text{dB}$

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

Method SA-2

- Measure the duty cycle.
- Set RBW = 1MHz.
- Set VBW $\geq$ 3 MHz.
- Number of points in sweep $\geq$ 2 Span / RBW.
- Sweep time = auto.
- Detector = power averaging (rms)
- Trace average at least 100 traces in power averaging mode.
- Compute power by integrating the spectrum across the EBW of the signal.
- 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.

<SDM Mode>

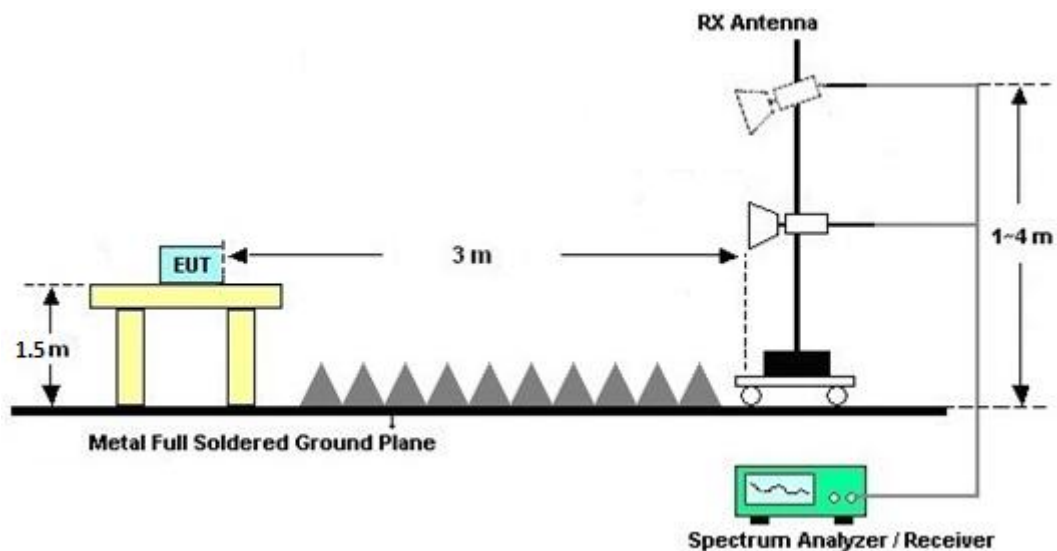
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

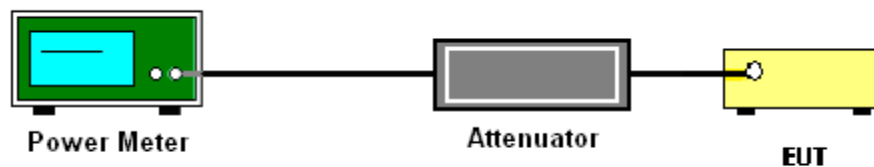
1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.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

3.2.4 Test Setup

<TXBF Mode>



<SDM Mode>



3.2.5 Test Result of Fundamental Maximum EIRP

Please refer to Appendix A.



3.3 Fundamental Power Spectral Density Measurement

3.3.1 Limit of Fundamental Power Spectral Density

<FCC 14-30 CFR 15.407>

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

<TXBF Mode>

1. The EUT was placed on the top of a rotating table 1.5meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
2. Perform a field strength measurement following ANSI C63.10 and record the worse field strength value via a spectrum reading obtained corrected for antenna factor cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP level.
3. Follow ANSI C63.10 and KDB 412172 D01 v01r01,
EIRP Value (dBm) = Field Strength Value(dBuV/m) + Correction Factor @3m.
4. Correction Factor (dB) @ 3m = $20\log(D = 3m) - 104.77 = -95.23\text{dB}$

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

Method SA-2

- Measure the duty cycle.
- Set RBW = 1MHz.
- Set VBW $\geq$ 3 MHz
- Number of points in sweep $\geq$ 2 Span / RBW.
- Sweep time = auto.
- Detector = power averaging (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.

**<SDM Mode>**

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).

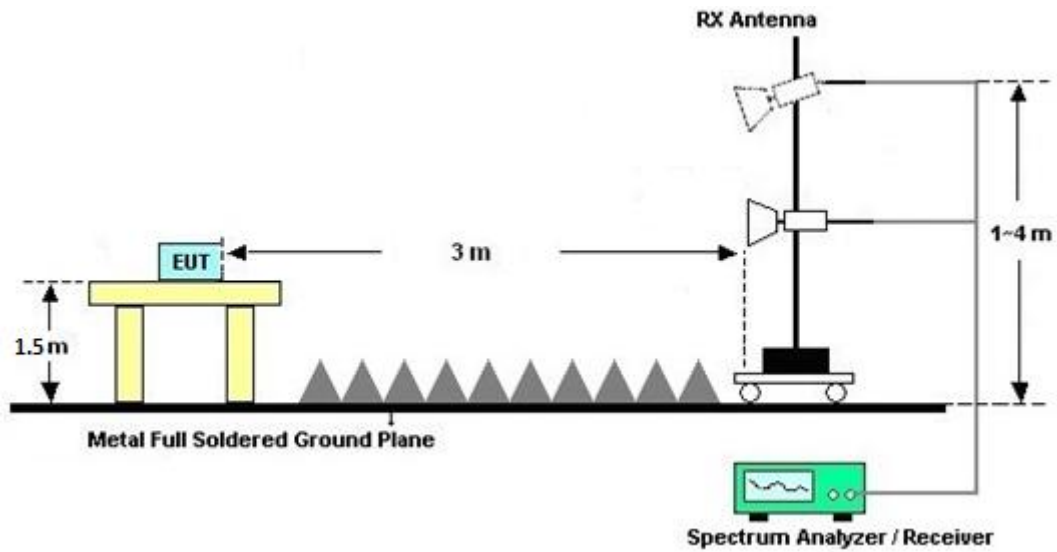
- Measure the duty cycle.
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz.
 - Number of points in sweep $\geq$ 2 Span / RBW.
 - Sweep time = auto.
 - Detector = RMS
 - Trace average at least 100 traces in power averaging mode.
 - 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.

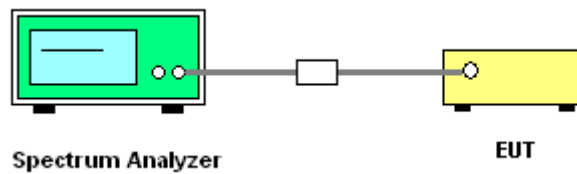
The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of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

3.3.4 Test Setup

<TXBF Mode>



<SDM Mode>



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



3.4 In-Band Emissions (Channel Mask)

3.4.1 Limit of Unwanted Emissions

<FCC 14-30 CFR 15.407>

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

3.4.2 Measuring Instruments

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

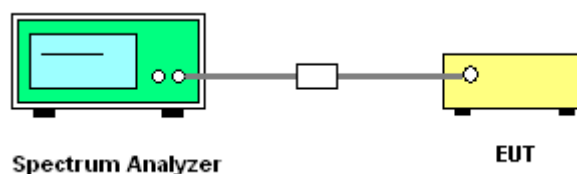
3.4.3 Test Procedures

The testing follows FCC KDB 987594 D02 U-NII 6GHz EMC Measurement 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 Contention Based Protocol

3.5.1 Limit of Contention Based Protocol

<FCC 14-30 CFR 15.407>

(d)(6) Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band must employ a contention-based protocol.

FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v03

Unlicensed low-power indoor devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel and stay off the channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain. To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel. For example, an 802.11 device that plans to transmit a 40 MHz- wide signal (on a primary 20 MHz channel and a secondary 20 MHz channel) must detect energy throughout the entire 40 MHz channel. Additionally, low-power indoor devices must detect co-channel energy with 90% or greater certainty.

Table 1. Criteria to determine number of times detection threshold test may be performed

If	Number of Tests	Placement of Incumbent Transmission
$BW_{EUT} \leq BW_{Inc}$	Once	Tune incumbent and EUT transmissions ($f_{c1} = f_{c2}$)
$BW_{Inc} < BW_{EUT} \leq 2BW_{Inc}$	Once	Incumbent transmission is contained within BW_{EUT}
$2BW_{Inc} < BW_{EUT} \leq 4BW_{Inc}$	Twice. Incumbent transmission is contained within BW_{EUT}	Incumbent transmission is located as closely as possible to the lower edge and upper edge, respectively, of the EUT channel
$BW_{EUT} > 4BW_{Inc}$	Three times	Incumbent transmission is located as closely as possible to the lower edge of the EUT channel, in the middle of EUT channel, and as closely as possible to the upper edge of the EUT channel

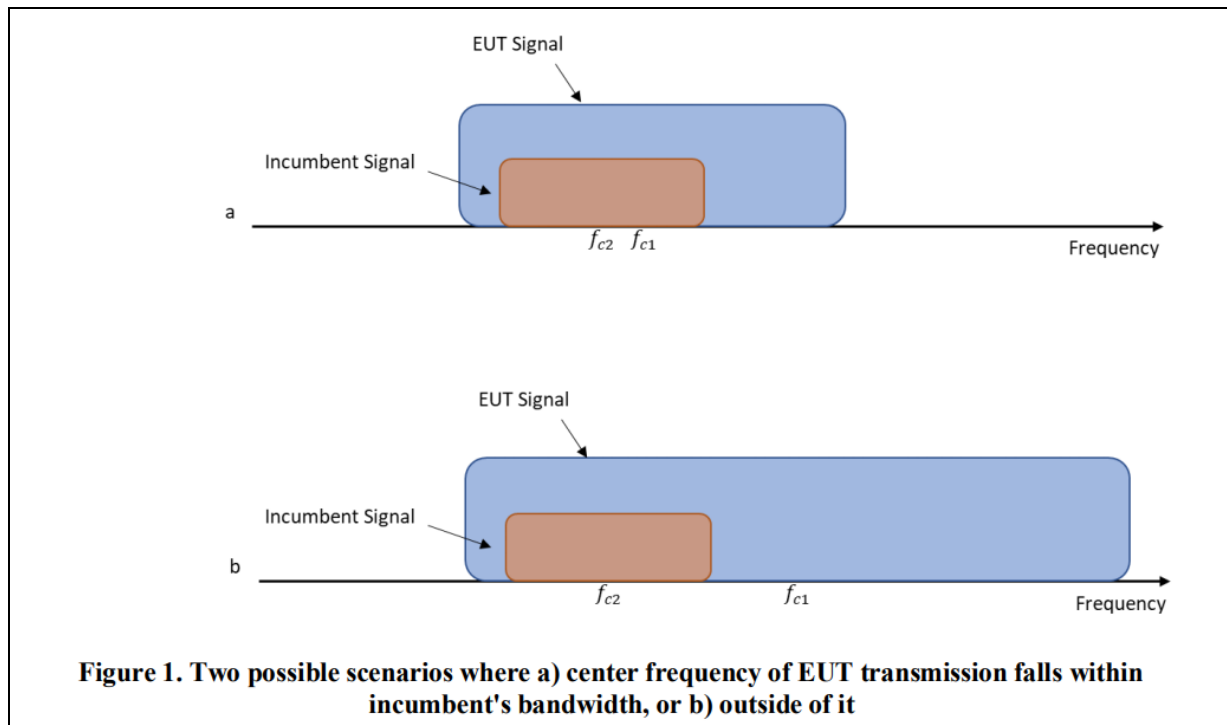
where:

BW_{EUT} : Transmission bandwidth of EUT signal

BW_{Inc} : Transmission bandwidth of the simulated incumbent signal (10 MHz wide AWGN signal)

f_{c1} : Center frequency of EUT transmission

f_{c2} : Center frequency of simulated incumbent signal



3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

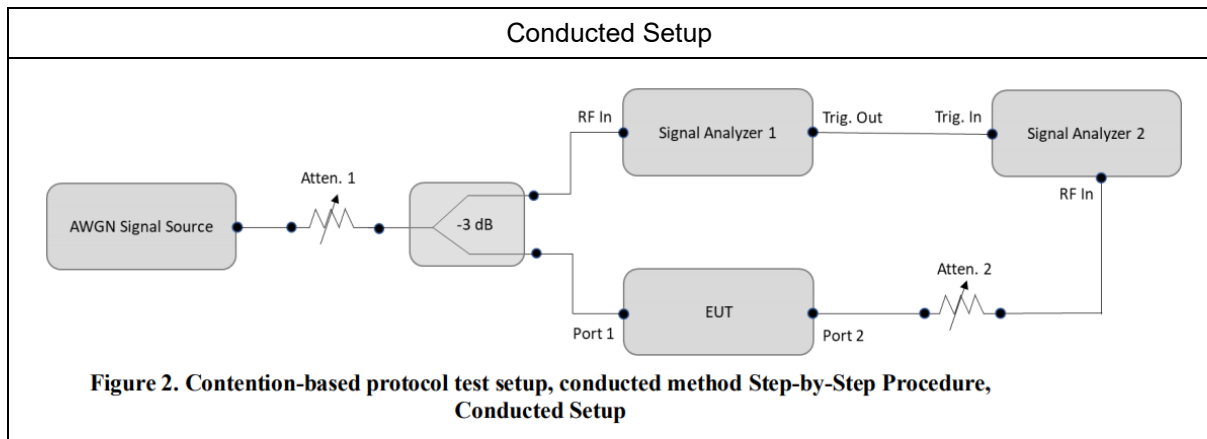
Section I) Contention Based Protocol

Conducted method Step-by-Step Procedure, Conducted Setup

1. Configure the EUT to transmit with a constant duty cycle.
2. Set the operating parameters of the EUT including power level, operating frequency, modulation and bandwidth.
3. Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT.
4. Connect the output port of the EUT to the signal analyzer 2, as shown in test setup Figure 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
5. Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters set at step two.
6. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
7. Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT as shown in test setup Figure 2.
8. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.

9. Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
10. (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
11. Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 5, choose a different center frequency for the AWGN signal and repeat the process.
12. For the contention-based protocol test where only one channel in each supported sub-band needs to be tested. The narrowest and widest bandwidth in each channel shall be measured EUT was driven in MIMO mode, the interferer level was injected to both chains to monitor the performance, while the interferer level is determined according the lowest antenna gain among both antennas (i.e, lower interferer level).

3.5.4 Test Setup



3.5.5 Support Unit used in test configuration and system

Instrument	Brand Name	Model No.	Characteristics
Notebook	Acer	N15C1	LAN

3.5.6 Minimum Antenna gain for Contention Based Protocol Test

Antenna Gain	<UNII-5>: 3.4 dBi <UNII-6>: 3.3 dBi <UNII-7>: 3.1 dBi <UNII-8>: 3.6 dBi
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3.5.7 Test Summary of Contention Based Protocol Test

Test Engineer :	Ivy Yeh	Temperature :	20.1~22.5°C
		Relative Humidity :	46.2~54.7%

Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 5	6135	20	6135	-62.28	100	-62	-65.68	3.68
				Result: Stop Transmission				
				-83.28	< 90	-62	-86.68	24.68
				Result: Minimal Operation				
				-84.28	0	-62	-87.68	25.68
				Result: Normal Operation				
	6265	320	5950	-59.99	100	-62	-63.39	1.39
				Result: Stop Transmission				
				-61.99	< 90	-62	-65.39	3.39
				Result: Minimal Operation				
				-62.99	0	-62	-66.39	4.39
				Result: Normal Operation				
			6105	-59.05	100	-62	-62.45	0.45
				Result: Stop Transmission				
				-76.05	< 90	-62	-79.45	17.45
				Result: Minimal Operation				
				-77.05	0	-62	-80.45	18.45
				Result: Normal Operation				
			6260	-61.24	100	-62	-64.64	2.64
				Result: Stop Transmission				
				-63.24	< 90	-62	-66.64	4.64
				Result: Minimal Operation				
				-64.24	0	-62	-67.64	5.64
				Result: Normal Operation				

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (3.4 dBi).

Note 2: The antenna gain has included the path loss between RF connector and antenna.

Note 3: Margin = Regulated Threshold level - Adjusted Power.



Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 6	6455	20	6455	-62.26	100	-62	-65.56	3.56
					Result: Stop Transmission			
				-79.26	< 90	-62	-82.56	20.56
					Result: Minimal Operation			
				-80.26	0	-62	-83.56	21.56
					Result: Normal Operation			
	6425	320	6270	-58.97	100	-62	-62.07	0.07
					Result: Stop Transmission			
				-66.97	< 90	-62	-70.07	8.07
					Result: Minimal Operation			
				-67.97	0	-62	-71.07	9.07
					Result: Normal Operation			
			6425	-59.17	100	-62	-62.27	0.27
					Result: Stop Transmission			
				-77.17	< 90	-62	-80.27	8.27
					Result: Minimal Operation			
				-78.17	0	-62	-81.27	9.27
					Result: Normal Operation			
			6580	-59.2	100	-62	-62.30	0.3
					Result: Stop Transmission			
				-60.20	< 90	-62	-63.30	1.3
					Result: Minimal Operation			
				-61.20	0	-62	-64.30	2.3
					Result: Normal Operation			

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (3.3 dBi).

Note 2: The antenna gain has included the path loss between RF connector and antenna.

Note 3: Margin = Regulated Threshold level - Adjusted Power.



Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 7	6695	20	6695	-60.32	100	-62	-63.42	1.42
					Result: Stop Transmission			
				-81.32	< 90	-62	-84.42	22.42
					Result: Minimal Operation			
				-82.32	0	-62	-85.42	23.42
					Result: Normal Operation			
	6745	320	6590	-59.04	100	-62	-62.14	0.14
					Result: Stop Transmission			
				-61.04	< 90	-62	-64.14	2.14
					Result: Minimal Operation			
				-62.04	0	-62	-65.14	3.14
					Result: Normal Operation			
			6745	-59.07	100	-62	-62.17	0.17
					Result: Stop Transmission			
				-76.07	< 90	-62	-79.17	17.17
					Result: Minimal Operation			
				-77.07	0	-62	-80.17	18.17
					Result: Normal Operation			
			6900	-58.97	100	-62	-62.07	0.07
					Result: Stop Transmission			
				-60.97	< 90	-62	-64.07	2.07
					Result: Minimal Operation			
				-61.97	0	-62	-65.07	3.07
					Result: Normal Operation			

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (3.1 dBi).

Note 2: The antenna gain has included the path loss between RF connector and antenna.

Note 3: Margin = Regulated Threshold level - Adjusted Power.



Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 8	7015	20	7015	-61.69	100	-62	-65.29	3.29
					Result: Stop Transmission			
				-79.69	< 90	-62	-83.29	21.29
					Result: Minimal Operation			
				-80.69	0	-62	-84.29	22.29
					Result: Normal Operation			
	6905	320	6750	-59.1	100	-62	-62.20	0.2
					Result: Stop Transmission			
				-62.10	< 90	-62	-65.20	3.2
					Result: Minimal Operation			
				-63.10	0	-62	-66.20	4.2
					Result: Normal Operation			
			6905	-59.18	100	-62	-62.28	0.28
					Result: Stop Transmission			
				-76.18	< 90	-62	-79.28	17.28
					Result: Minimal Operation			
				-77.18	0	-62	-80.28	18.28
					Result: Normal Operation			
			7060	-58.91	100	-62	-62.01	0.01
					Result: Stop Transmission			
				-60.91	< 90	-62	-64.01	2.01
					Result: Minimal Operation			
				-61.91	0	-62	-65.01	3.01
					Result: Normal Operation			

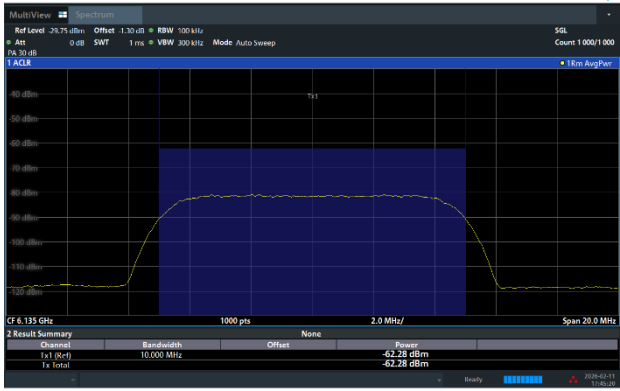
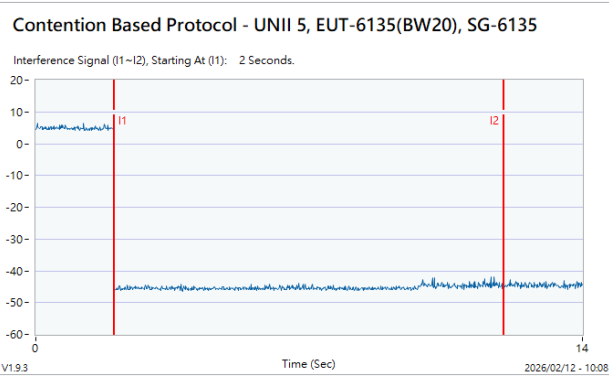
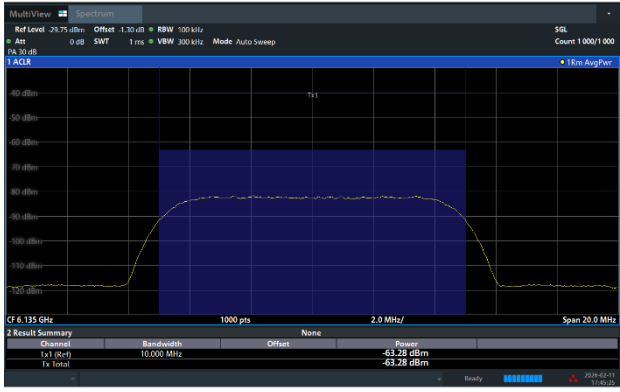
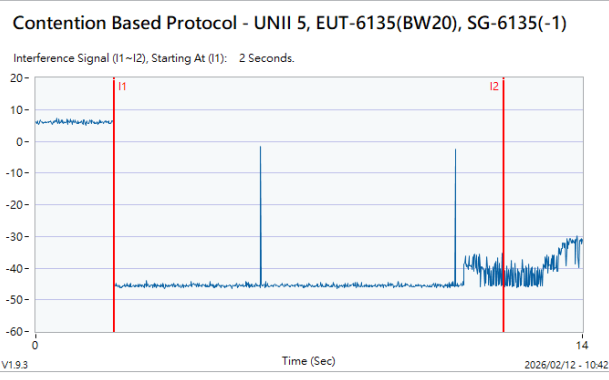
Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (3.6 dBi).

Note 2: The antenna gain has included the path loss between RF connector and antenna.

Note 3: Margin = Regulated Threshold level - Adjusted Power.



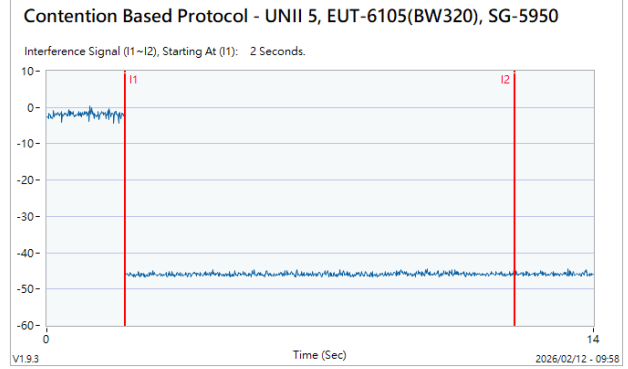
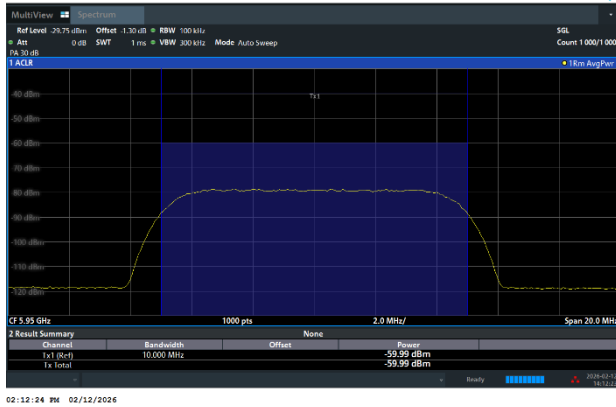
3.5.8 Test Plots of Contention Based Protocol Test

Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)	
802.11be (EHT20) / 6135MHz Threshold Level (TL) = -62.28dBm	802.11be (EHT20) / CH37 Test result is pass due to no transmission occur.
	
802.11be (EHT20) / 6135MHz Threshold Level (TL) = -63.28dBm	802.11be (EHT20) / CH37 Transmit when the interferer is 1dB lower.
	

**Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)**

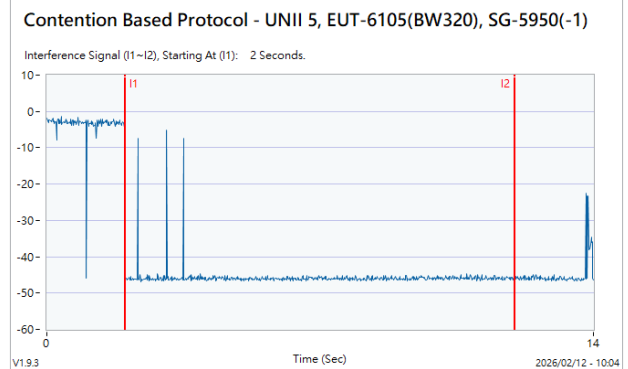
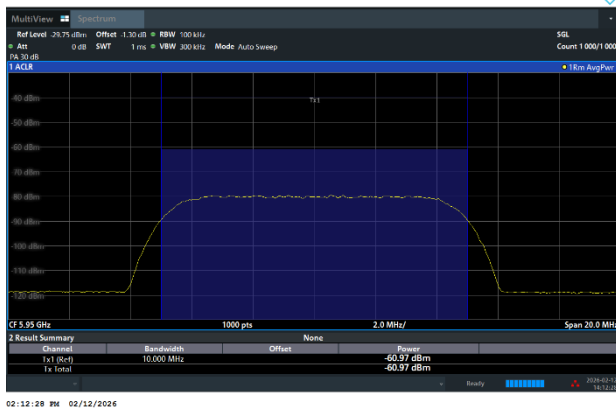
802.11be (EHT320) / 5950MHz (Lower edge)
Threshold Level (TL) = -59.99dBm

802.11be (EHT320) / CH31 (Lower edge)
Test result is pass due to no transmission occur.



802.11be (EHT320) / 5950MHz (Lower edge)
Threshold Level (TL) = -60.97dBm

802.11be (EHT320) / CH31 (Lower edge)
Transmit when the interferer is 1dB lower.





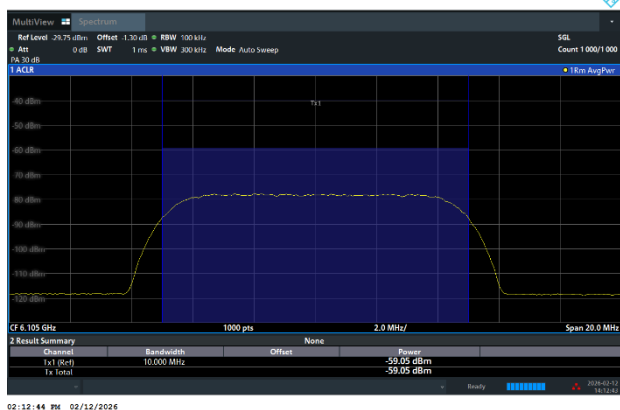
Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)

802.11be (EHT320) / 6105MHz (Middle)

Threshold Level (TL) = -59.05dBm

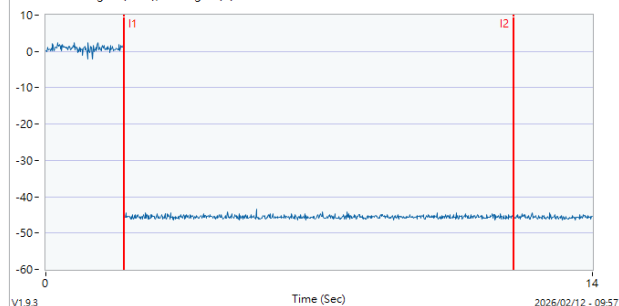
802.11be (EHT320) / CH31 (Middle)

Test result is pass due to no transmission occur.



Contention Based Protocol - UNII 5, EUT-6105(BW320), SG-6105

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.

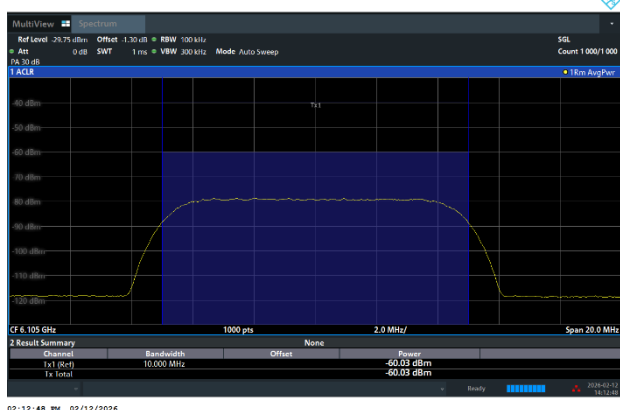


802.11be (EHT320) / 6105MHz (Middle)

Threshold Level (TL) = -60.03dBm

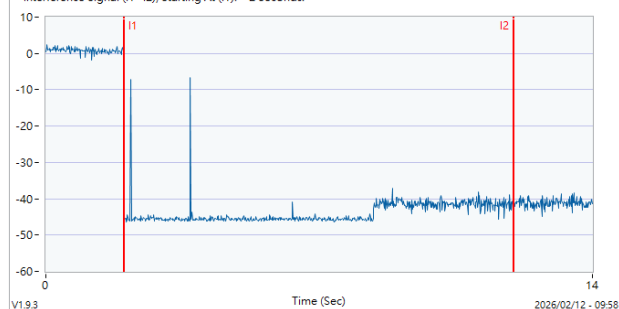
802.11be (EHT320) / CH31 (Middle)

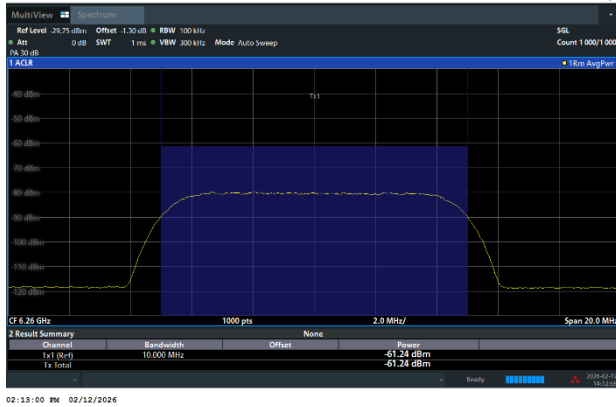
Transmit when the interferer is 1dB lower.



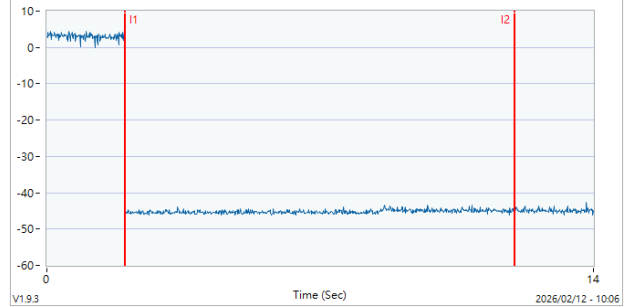
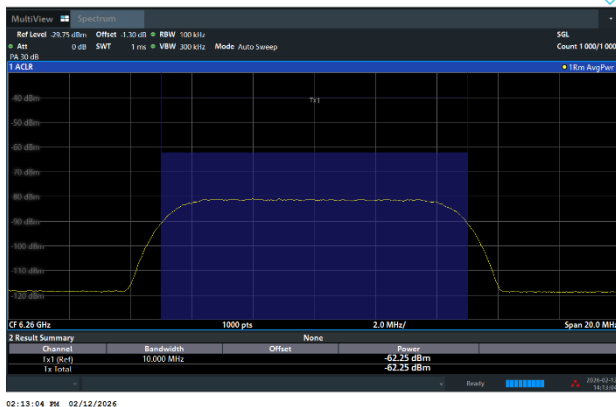
Contention Based Protocol - UNII 5, EUT-6105(BW320), SG-6105(-1)

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.

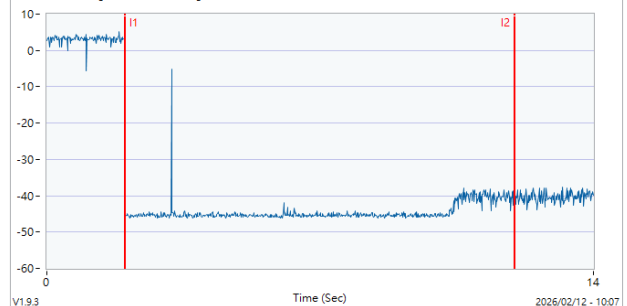


**Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)****802.11be (EHT320) / 6260MHz (Upper edge)****Threshold Level (TL) = -61.24dBm****802.11be (EHT320) / CH31 (Upper edge)****Test result is pass due to no transmission occur.****Contention Based Protocol - UNII 5, EUT-6105(BW320), SG-6260**

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.

**802.11be (EHT320) / 6260MHz (Upper edge)****Threshold Level (TL) = -62.25dBm****802.11be (EHT320) / CH31 (Upper edge)****Transmit when the interferer is 1dB lower.****Contention Based Protocol - UNII 5, EUT-6105(BW320), SG-6260(-1)**

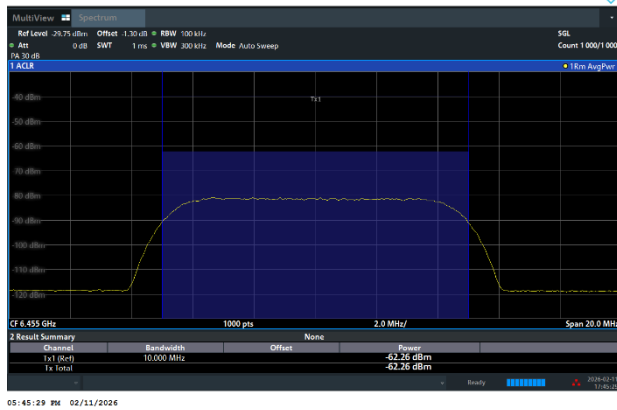
Interference Signal (I1~I2), Starting At (I1): 2 Seconds.





Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

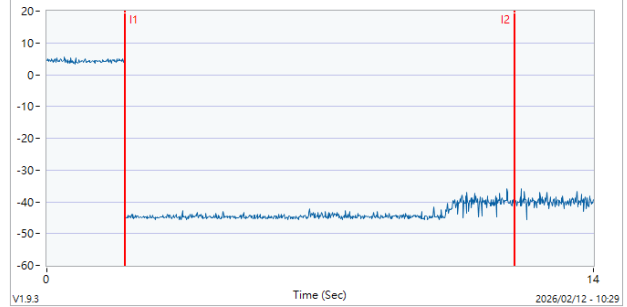
802.11be (EHT20) / 6455MHz
Threshold Level (TL) = -62.26dBm



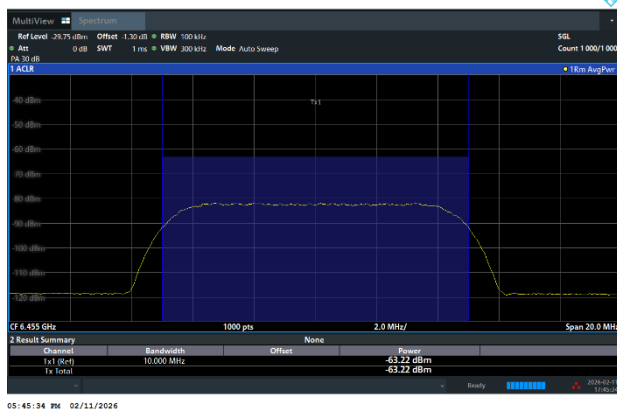
802.11be (EHT20) / CH101
Test result is pass due to no transmission occur.

Contention Based Protocol - UNII 6, EUT-6455(BW20), SG-6455

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.



802.11be (EHT20) / 6455MHz
Threshold Level (TL) = -63.22dBm

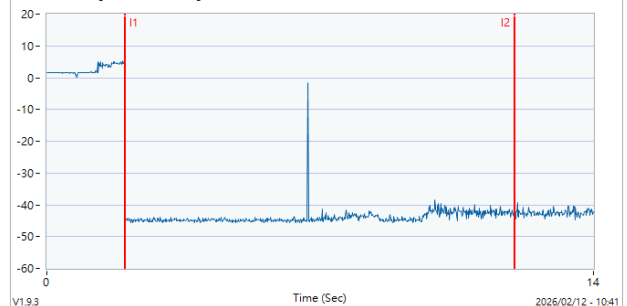


802.11be (EHT20) / CH101

Transmit when the interferer is 1dB lower.

Contention Based Protocol - UNII 6, EUT-6455(BW20), SG-6455(-1)

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.

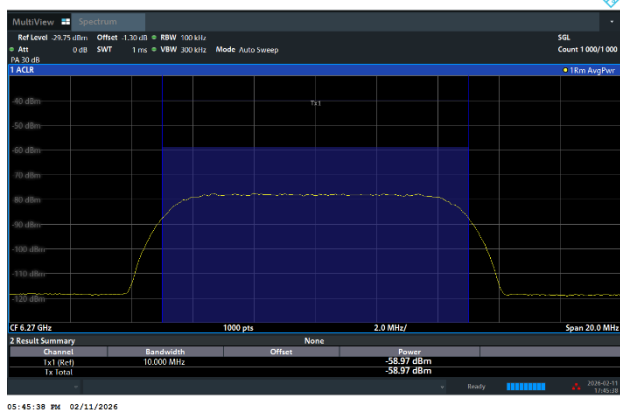




Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

802.11be (EHT320) / 6270MHz (Lower edge)

Threshold Level (TL) = -58.97dBm

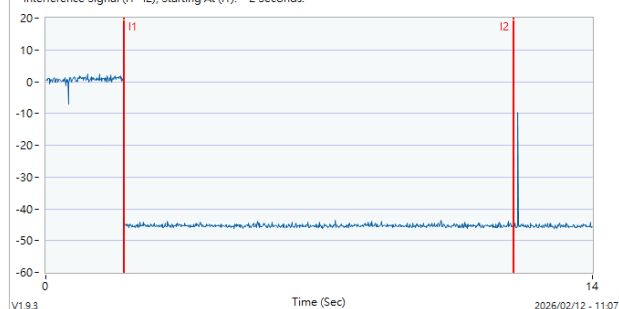


802.11be (EHT320) / CH127 (Lower edge)

Test result is pass due to no transmission occur.

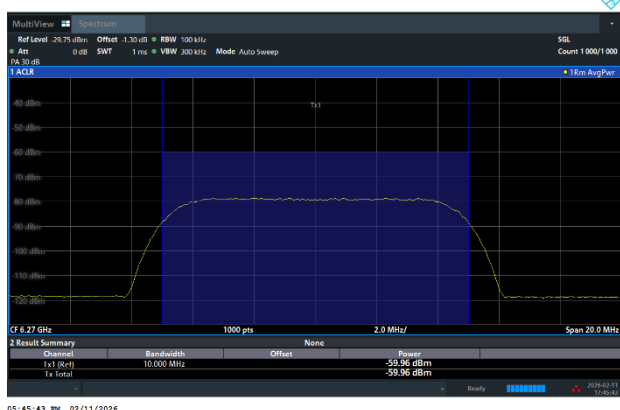
Contention Based Protocol - UNII 5~7, EUT-6425(BW320), SG-6270

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.



802.11be (EHT320) / 6270MHz (Lower edge)

Threshold Level (TL) = -59.96dBm

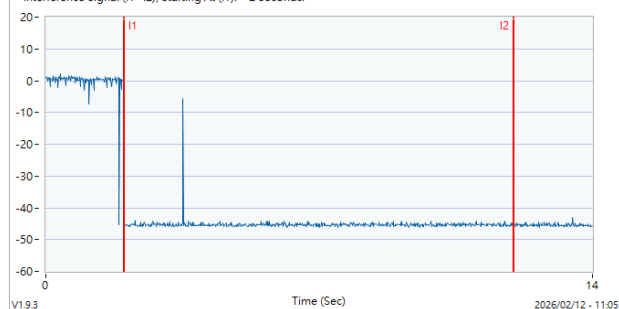


802.11be (EHT320) / CH127 (Lower edge)

Transmit when the interferer is 1dB lower.

Contention Based Protocol - UNII 5~7, EUT-6425(BW320), SG-6270(-1)

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.





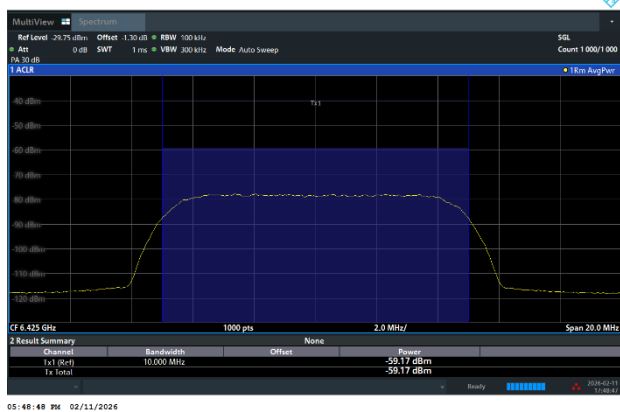
Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

802.11be (EHT320) / 6425MHz (Middle)

Threshold Level (TL) = -59.17dBm

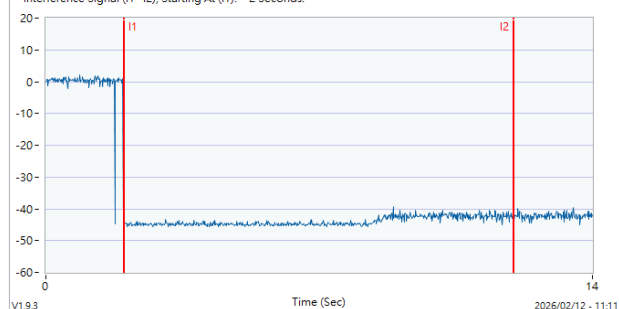
802.11be (EHT320) / CH127 (Middle)

Test result is pass due to no transmission occur.



Contention Based Protocol - UNII 5~7, EUT-6425(BW320), SG-6425

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.

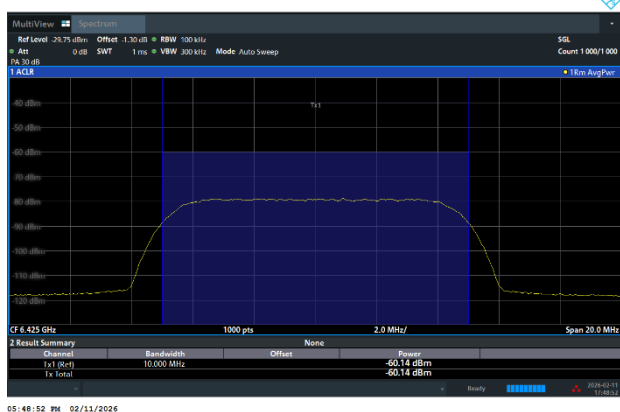


802.11be (EHT320) / 6425MHz (Middle)

Threshold Level (TL) = -59.17dBm

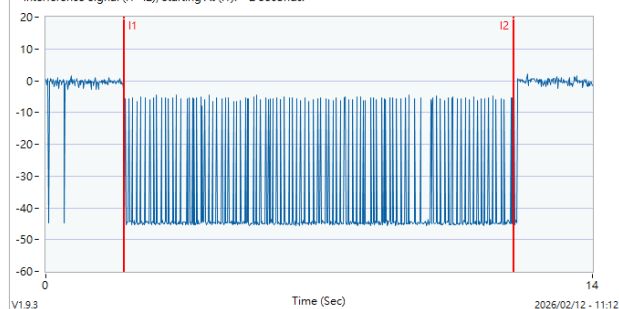
802.11be (EHT320) / CH127 (Middle)

Transmit when the interferer is 1dB lower.



Contention Based Protocol - UNII 5~7, EUT-6425(BW320), SG-6425(-1)

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.





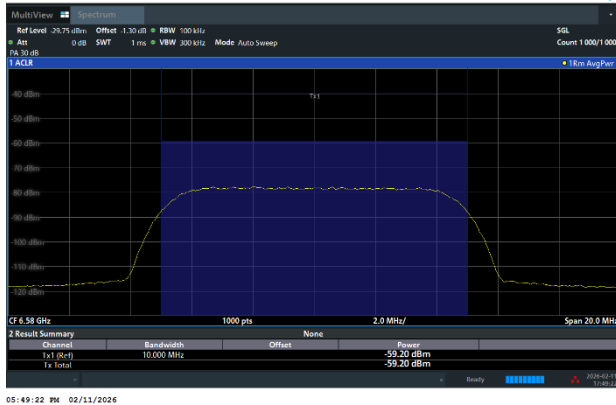
Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

802.11be (EHT320) / 6580MHz (Upper edge)

Threshold Level (TL) = -59.2dBm

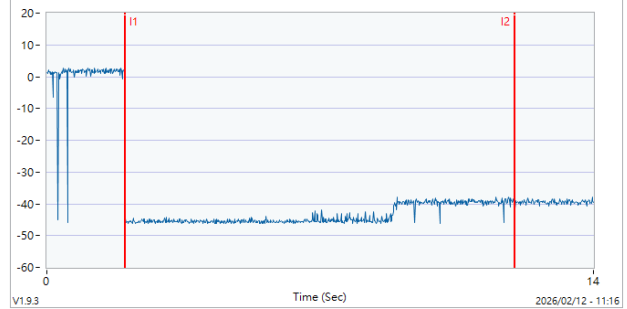
802.11be (EHT320) / CH127 (Upper edge)

Test result is pass due to no transmission occur.



Contention Based Protocol - UNII 5~7, EUT-6425(BW320), SG-6580

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.

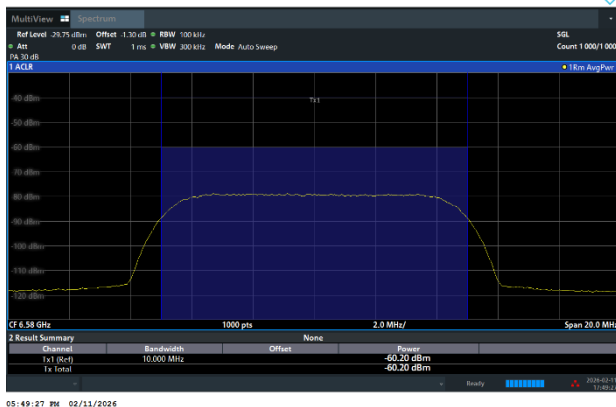


802.11be (EHT320) / 6580MHz (Upper edge)

Threshold Level (TL) = -60.2dBm

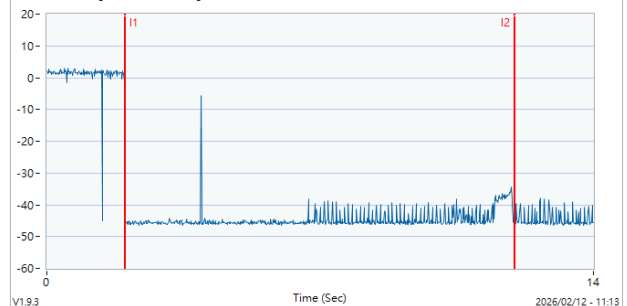
802.11be (EHT320) / CH127 (Upper edge)

Transmit when the interferer is 1dB lower.



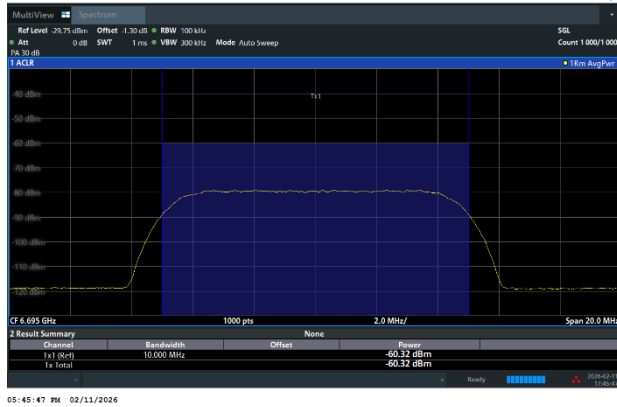
Contention Based Protocol - UNII 5~7, EUT-6425(BW320), SG-6580(-1)

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.



**Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)**

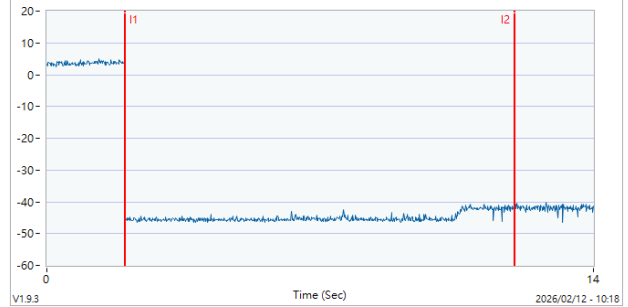
802.11be (EHT20) / 6695MHz
Threshold Level (TL) = -60.32dBm



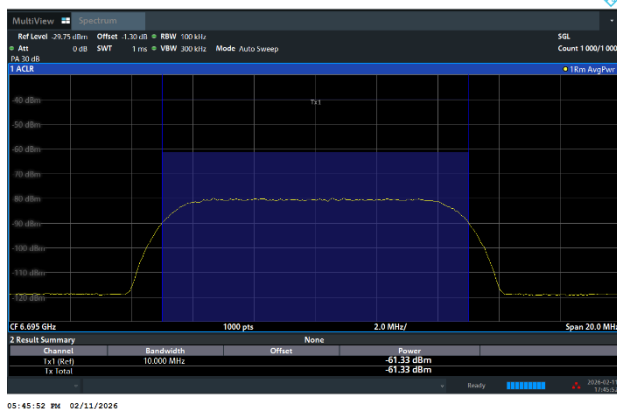
802.11be (EHT20) / CH149
Test result is pass due to no transmission occur.

Contention Based Protocol - UNII 7, EUT-6695(BW20), SG-6695

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.



802.11be (EHT20) / 6695MHz
Threshold Level (TL) = -61.33dBm

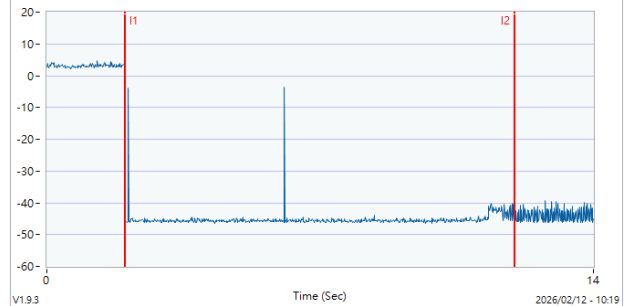


802.11be (EHT20) / CH149

Transmit when the interferer is 1dB lower.

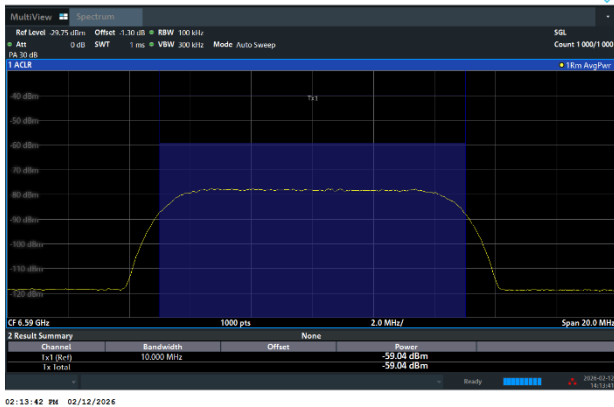
Contention Based Protocol - UNII 7, EUT-6695(BW20), SG-6695(-1)

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.

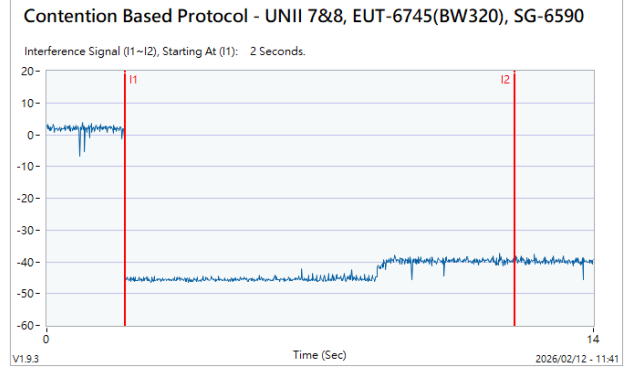


**Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)**

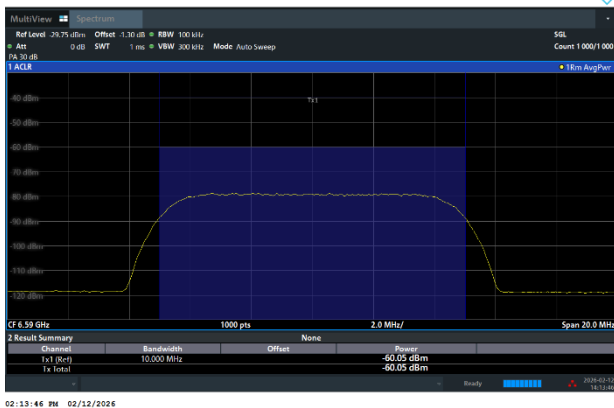
802.11be (EHT320) / 6590MHz (Lower edge)
Threshold Level (TL) = -59.04dBm



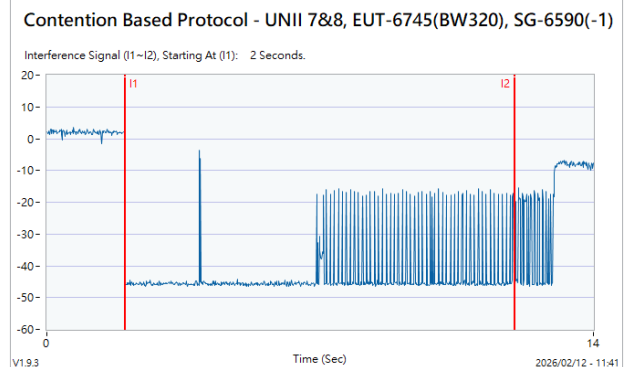
802.11be (EHT320) / CH159 (Lower edge)
Test result is pass due to no transmission occur.



802.11be (EHT320) / 6590MHz (Lower edge)
Threshold Level (TL) = -60.05dBm



802.11be (EHT320) / CH159 (Lower edge)
Transmit when the interferer is 1dB lower.





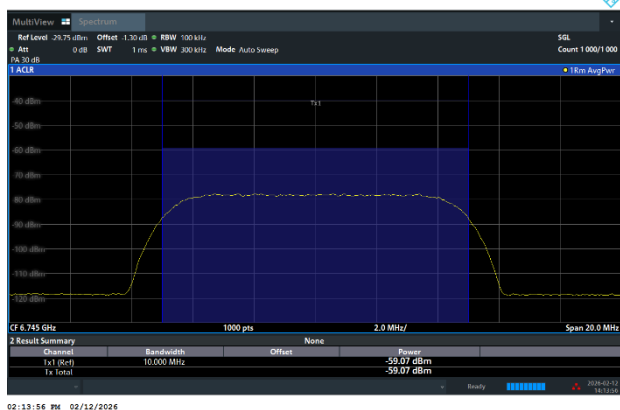
Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

802.11be (EHT320) / 6745MHz (Middle)

Threshold Level (TL) = -59.07dBm

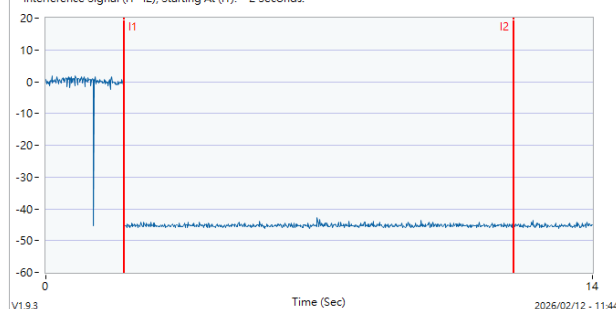
802.11be (EHT320) / CH159 (Middle)

Test result is pass due to no transmission occur.



Contention Based Protocol - UNII 7&8, EUT-6745(BW320), SG-6745

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.

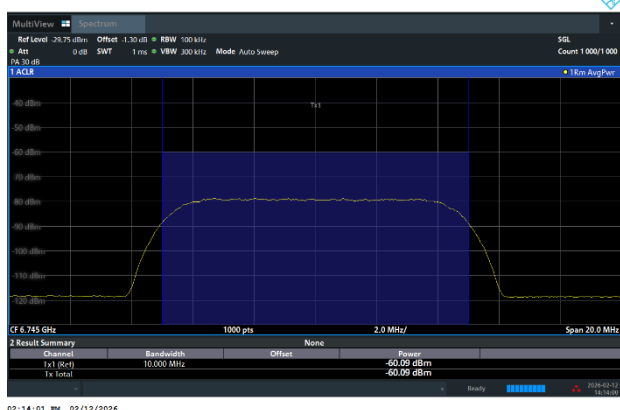


802.11be (EHT320) / 6745MHz (Middle)

Threshold Level (TL) = -60.09dBm

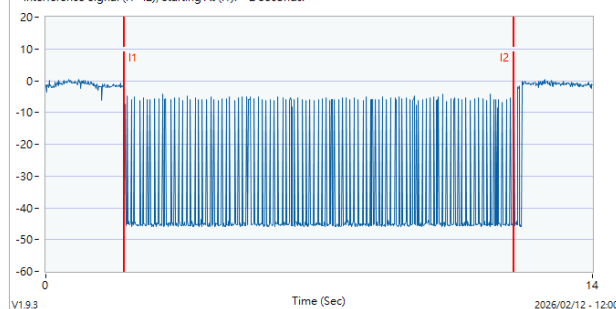
802.11be (EHT320) / CH159 (Middle)

Transmit when the interferer is 1dB lower.



Contention Based Protocol - UNII 7&8, EUT-6745(BW320), SG-6745(-1)

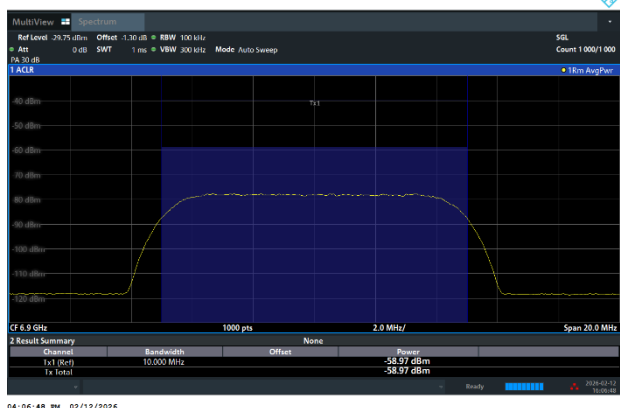
Interference Signal (I1~I2), Starting At (I1): 2 Seconds.





Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

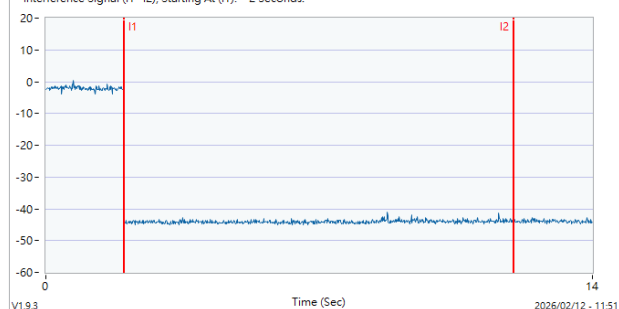
802.11be (EHT320) / 6900MHz (Upper edge)
Threshold Level (TL) = -58.97dBm



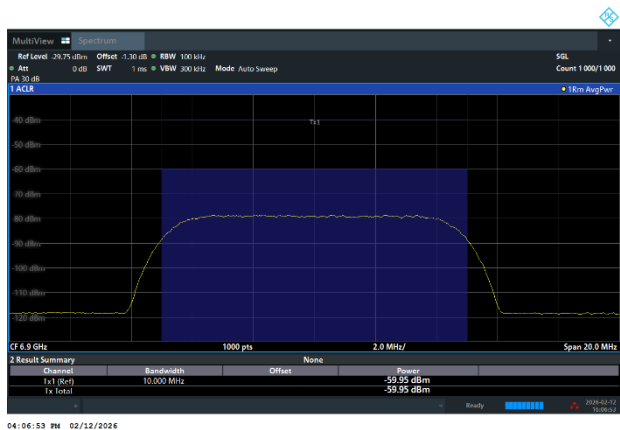
802.11be (EHT320) / CH159 (Upper edge)
Test result is pass due to no transmission occur.

Contention Based Protocol - UNII 7&8, EUT-6745(BW320), SG-6900

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.



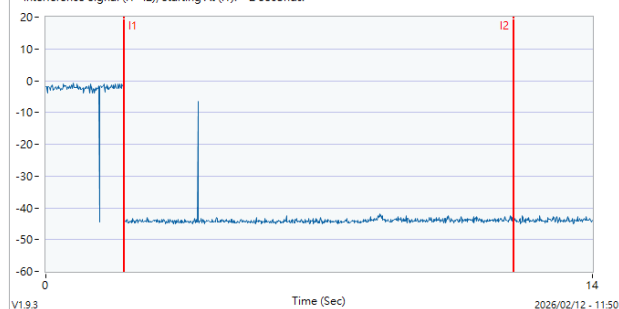
802.11be (EHT320) / 6900MHz (Upper edge)
Threshold Level (TL) = -59.95dBm



802.11be (EHT320) / CH159 (Upper edge)
Transmit when the interferer is 1dB lower.

Contention Based Protocol - UNII 7&8, EUT-6745(BW320), SG-6900(-1)

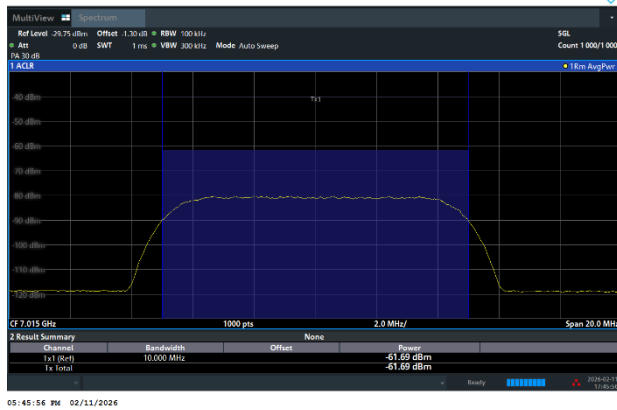
Interference Signal (I1~I2), Starting At (I1): 2 Seconds.





Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

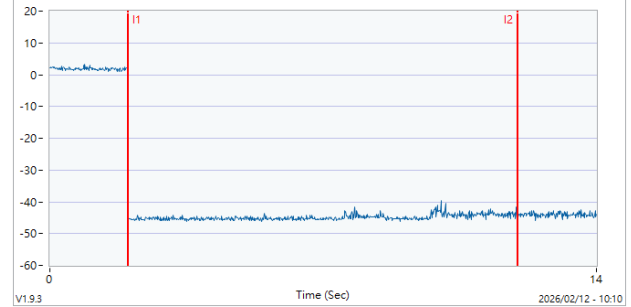
802.11be (EHT20) / 7015MHz
Threshold Level (TL) = -61.69dBm



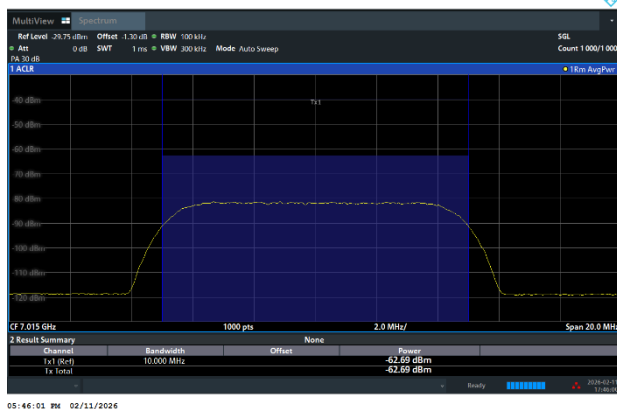
802.11be (EHT20) / CH213
Test result is pass due to no transmission occur.

Contention Based Protocol - UNII 8, EUT-7015(BW20), SG-7015

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.



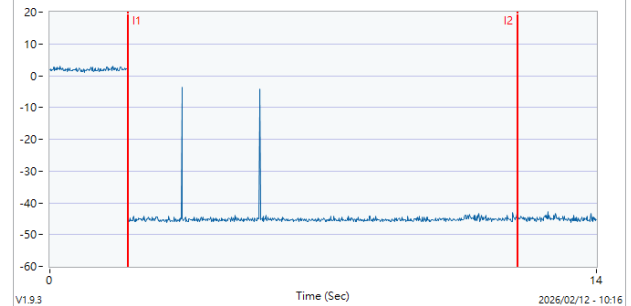
802.11be (EHT20) / 7015MHz
Threshold Level (TL) = -62.69dBm



802.11be (EHT20) / CH213
Transmit when the interferer is 1dB lower.

Contention Based Protocol - UNII 8, EUT-7015(BW20), SG-7015(-1)

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.

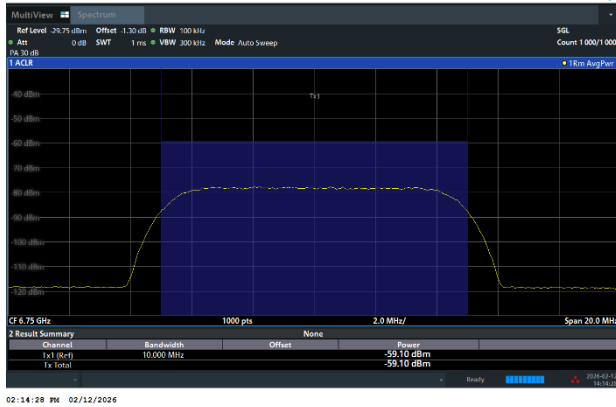




Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

802.11be (EHT320) / 6750MHz (Lower edge)

Threshold Level (TL) = -59.1dBm

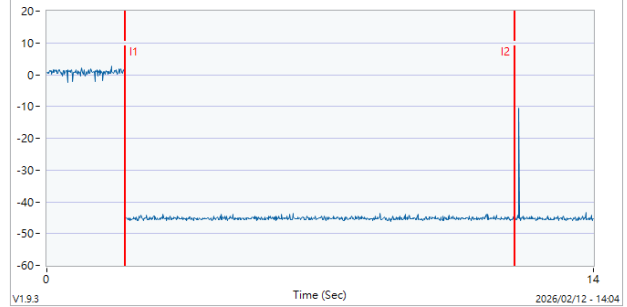


802.11be (EHT320) / CH191 (Lower edge)

Test result is pass due to no transmission occur.

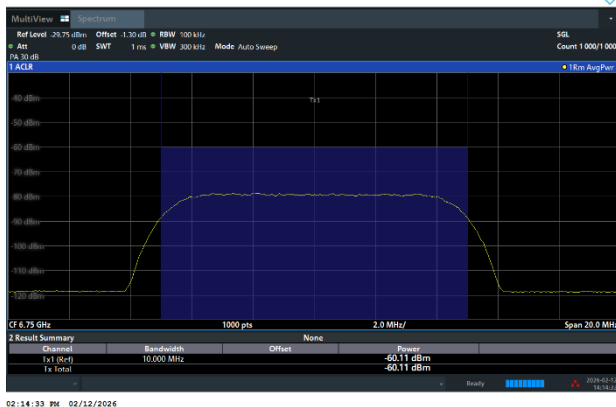
Contention Based Protocol - UNII 7&8, EUT-6905(BW320), SG-6750

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.



802.11be (EHT320) / 6750MHz (Lower edge)

Threshold Level (TL) = -60.11dBm

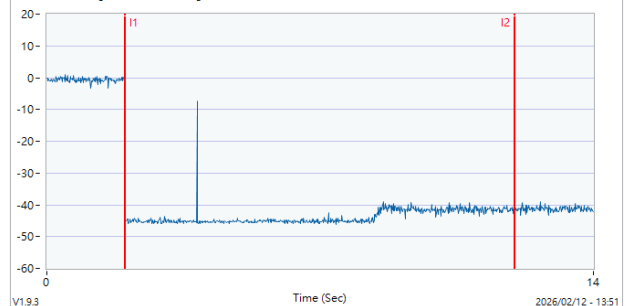


802.11be (EHT320) / CH191 (Lower edge)

Transmit when the interferer is 1dB lower.

Contention Based Protocol - UNII 7&8, EUT-6905(BW320), SG-6750(-1)

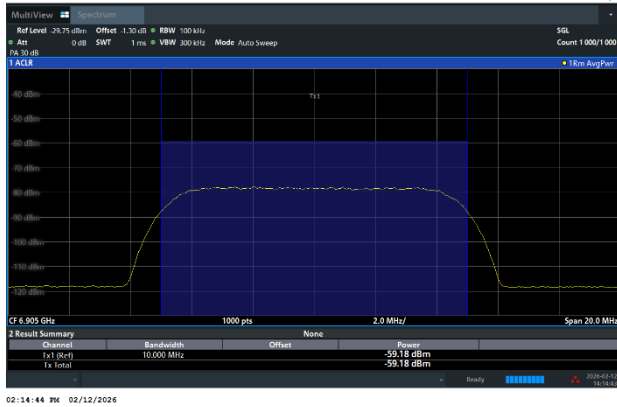
Interference Signal (I1~I2), Starting At (I1): 2 Seconds.



Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

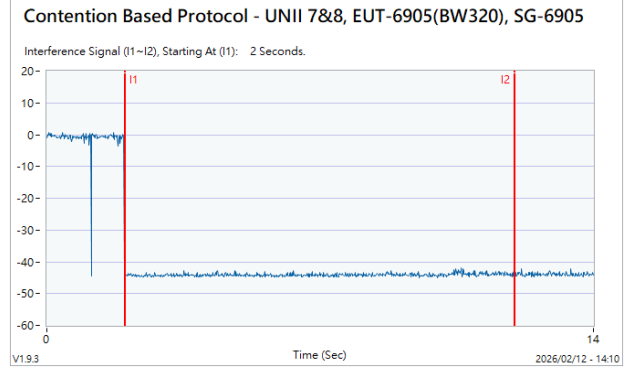
802.11be (EHT320) / 6905MHz (Middle)

Threshold Level (TL) = -59.18dBm



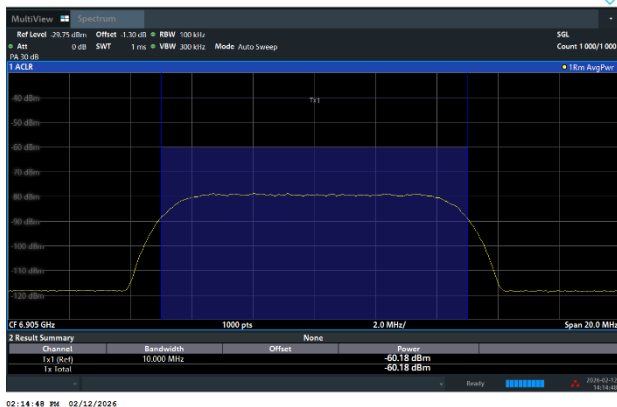
802.11be (EHT320) / CH191 (Middle)

Test result is pass due to no transmission occur.



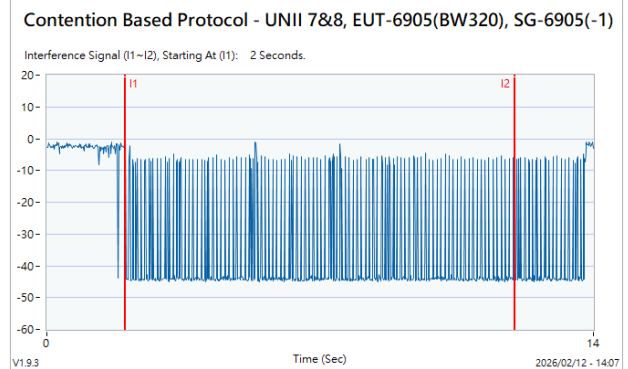
802.11be (EHT320) / 6905MHz (Middle)

Threshold Level (TL) = -60.18dBm



802.11be (EHT320) / CH191 (Middle)

Transmit when the interferer is 1dB lower.





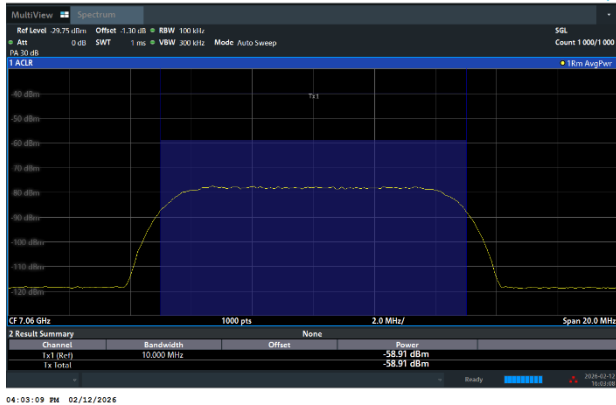
Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

802.11be (EHT320) / 7060MHz (Upper edge)

Threshold Level (TL) = -58.91dBm

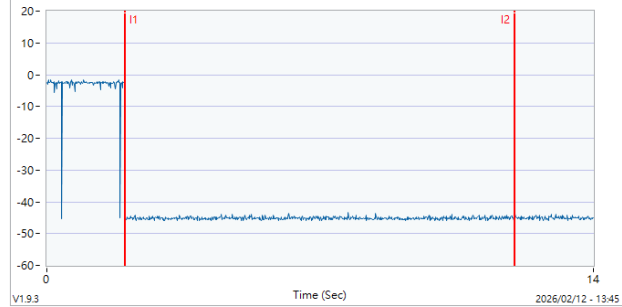
802.11be (EHT320) / CH191 (Upper edge)

Test result is pass due to no transmission occur.



Contention Based Protocol - UNII 7&8, EUT-6905(BW320), SG-7060

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.

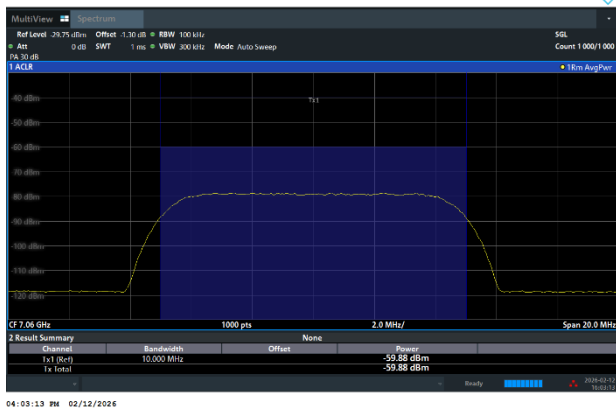


802.11be (EHT320) / 7060MHz (Upper edge)

Threshold Level (TL) = -59.88dBm

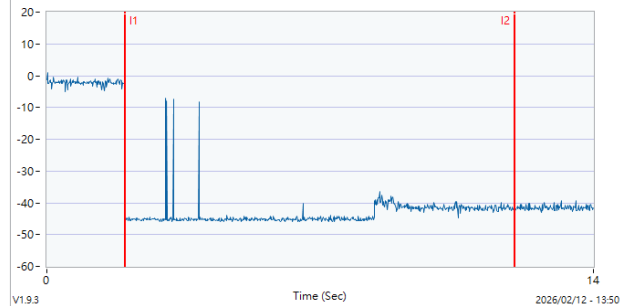
802.11be (EHT320) / CH191 (Upper edge)

Transmit when the interferer is 1dB lower.



Contention Based Protocol - UNII 7&8, EUT-6905(BW320), SG-7060(-1)

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.





CBP verify with frequency domain plots

The device does not support channel puncturing with regards to Contention Based Protocol.

The device does not support bandwidth reduction with regards to Contention Based Protocol.

1. The bandwidth 320MHz changes to adjacent new 320MHz channel after the incumbent signal is injected.
2. The bandwidth 20MHz changes to adjacent new 320MHz channel after the incumbent signal is injected.

Before incumbent injected on 320MHz channel



After 10MHz incumbent injected on center of channel, the EUT bandwidth is 320MHz changes to adjacent new 320MHz channel.



After 10MHz incumbent injected on bottom of channel, the EUT bandwidth is 320MHz changes to adjacent new 320MHz channel.



After 10MHz incumbent injected on top of channel, the EUT bandwidth is 320MHz changes to adjacent new 320MHz channel.



3.6 Unwanted Emissions Measurement

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

3.6.1 Limit of Unwanted Emissions

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

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

According 987594 D02 U-NII 6GHz EMC Measurement 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.

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

3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

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

Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

(3) Use the following spectrum analyzer settings:

For average measurement:

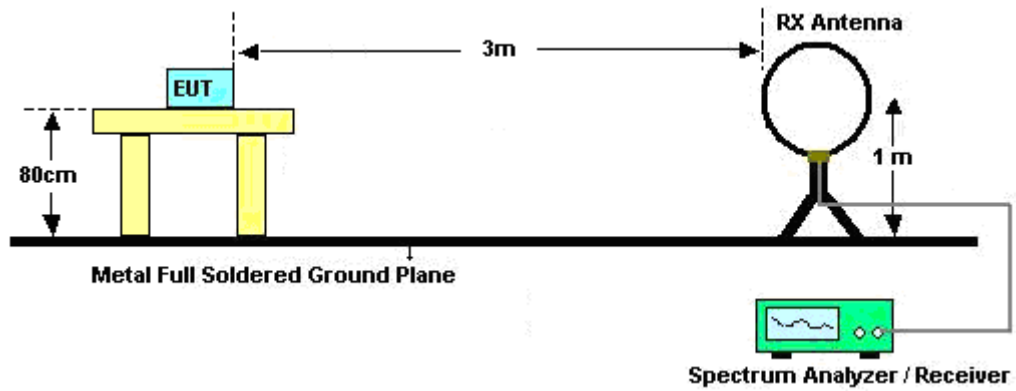
The procedure for method trace averaging is as follows:

- a) RBW = 1 MHz.
- b) VBW $\geq$ $[3 \times \text{RBW}]$.
- c) Detector = RMS (power averaging), if $[\text{span} / (\# \text{ of points in sweep})] \leq \text{RBW} / 2$. Satisfying this condition can require increasing the number of points in the sweep or reducing the span. If the condition is not satisfied, then the detector mode shall be set to peak.
- d) Averaging type = power (i.e., rms) (As an alternative, the detector and averaging type may be set for linear voltage averaging.
- e) Sweep time = auto.
- f) Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, then the number of traces shall be increased by a factor of $1 / D$, where D is the duty cycle. For example, with 50% duty cycle, at least 200 traces shall be averaged. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—then rather than turning ON and OFF with the transmit cycle, at least 100 traces shall be averaged.)

- g) If tests are performed with the EUT transmitting at a duty cycle less than 98%, then a correction factor shall be added to the measurement results prior to comparing with the emission limit, to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:
- i. If power averaging (rms) mode was used in the preceding step e), then the correction factor is $[10 \log (1 / D)]$, where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB shall be added to the measured emission levels.
 - ii. If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission.
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 “-”.

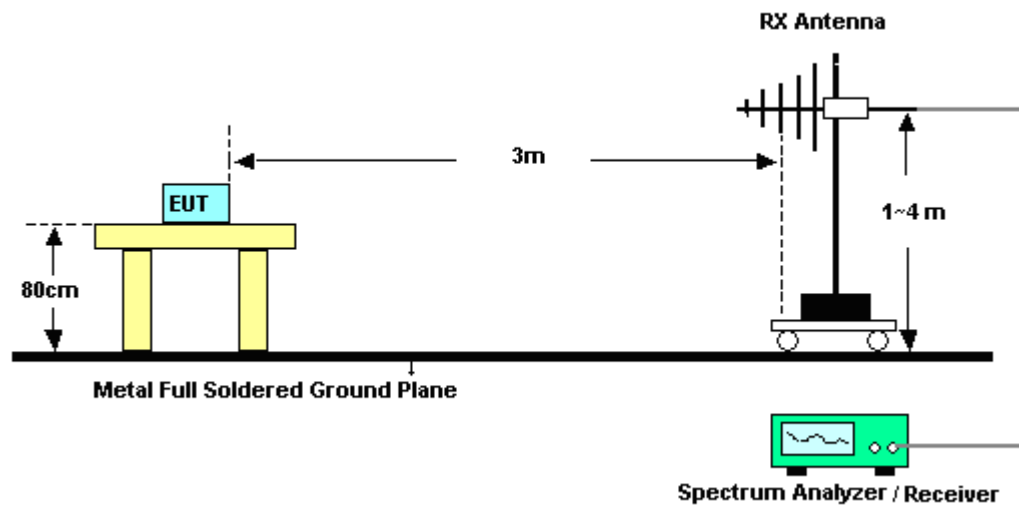
3.6.4 Test Setup

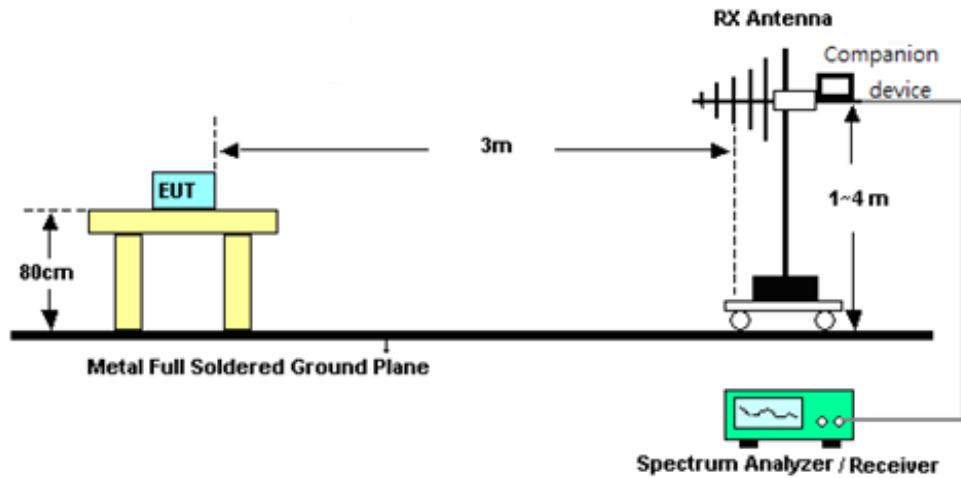
For radiated emissions below 30MHz



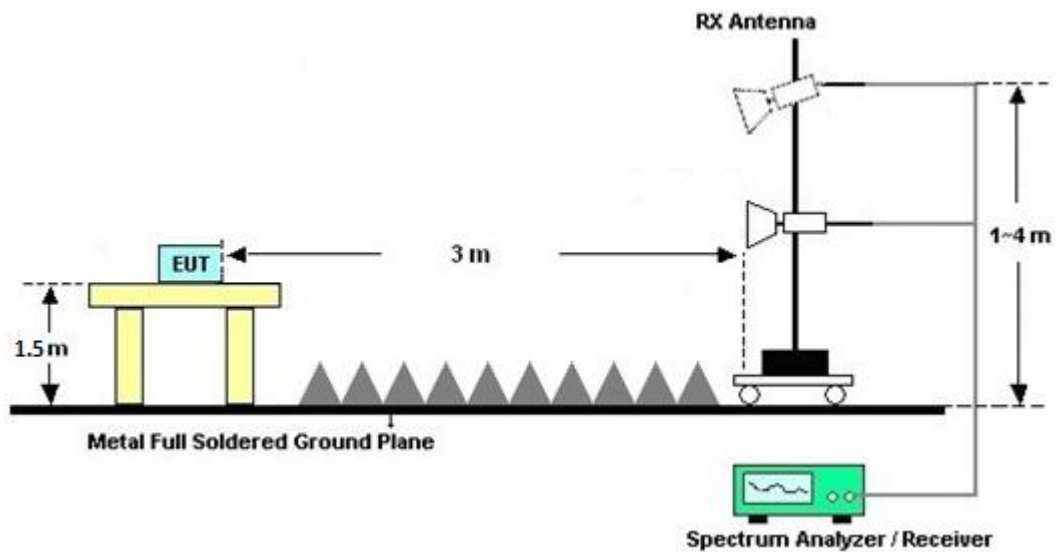
For radiated emissions from 30MHz to 1GHz

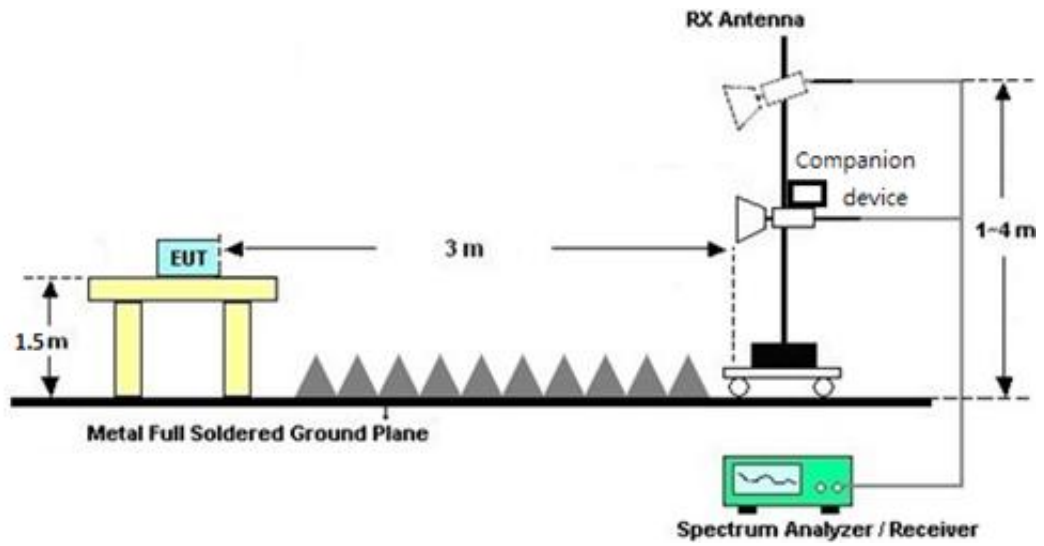
<SDM Mode>



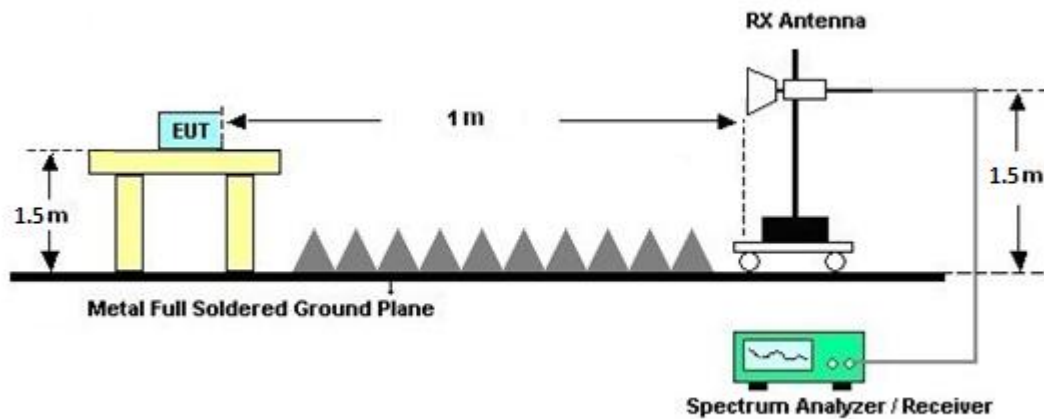
<TXBF Modes>


For radiated test from 1GHz to 18GHz

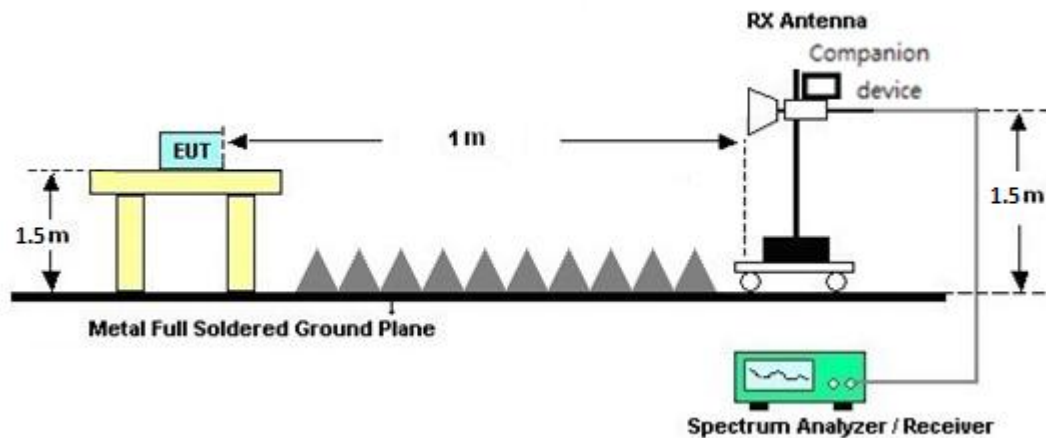
<SDM Mode>


<TXBF Modes>


For radiated test above 18GHz

<SDM Mode>


<TXBF Modes>



3.6.5 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.

3.6.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.6.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix C.

3.7 AC Conducted Emission Measurement

3.7.1 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.

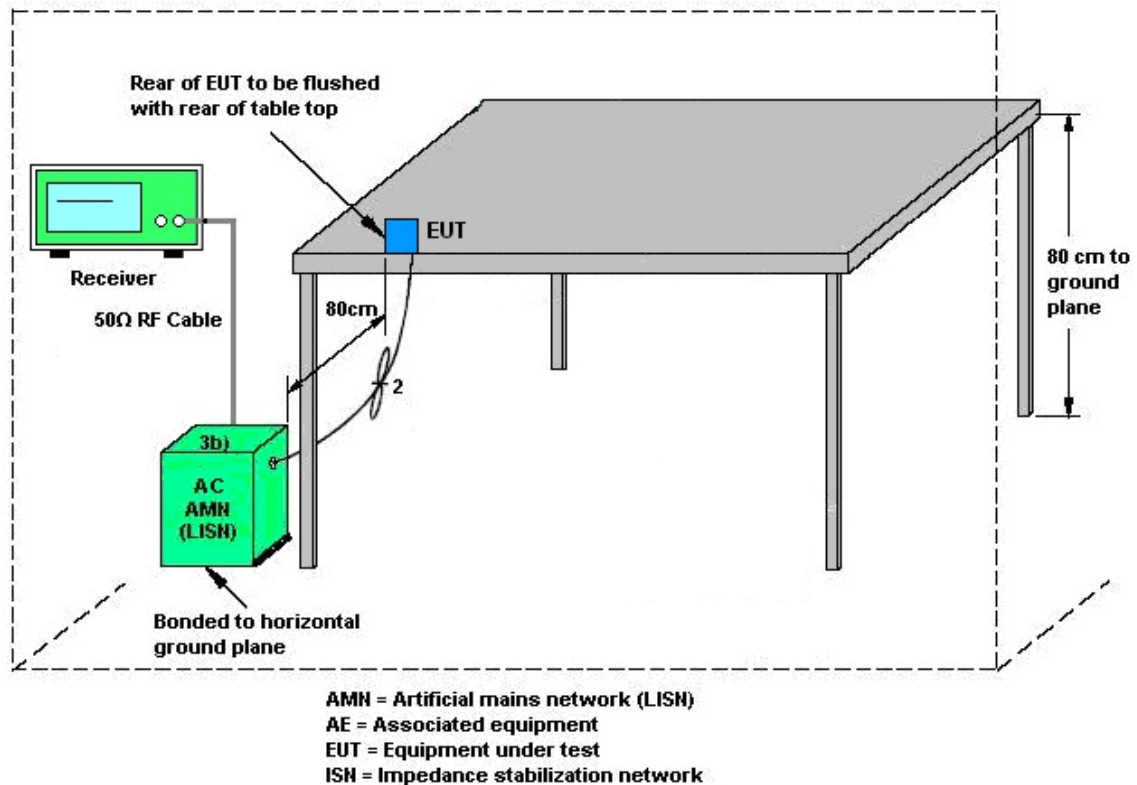
3.7.2 Measuring Instruments

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

3.7.3 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.

3.7.4 Test Setup



3.7.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.8 Antenna Requirements

3.8.1 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.

3.8.2 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
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 06, 2025	Feb. 08, 2026~ May 19, 2026	Jun. 05, 2026	Radiation (03CH15-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Mar. 06, 2025	Feb. 08, 2026~ Mar. 04, 2026	Mar. 05, 2026	Radiation (03CH15-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Mar. 16, 2026	Mar. 05, 2026~ May 19, 2026	Mar. 15, 2027	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	41912 & 05	30MHz~1GHz	Mar. 01, 2025	Feb. 08, 2026~ Feb. 27, 2026	Feb. 28, 2026	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	41912 & 05	30MHz~1GHz	Mar. 16, 2026	Mar. 16, 2026~ May 19, 2026	Mar. 15, 2027	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1225	18GHz~40GHz	Jul. 02, 2025	Feb. 08, 2026~ May 19, 2026	Jul. 01, 2026	Radiation (03CH15-HY)
Amplifier	EMEC	EM1G18G	060837	1GHz~18GHz	Feb. 12, 2025	Feb. 08, 2026~ Feb. 10, 2026	Feb. 11, 2026	Radiation (03CH15-HY)
Amplifier	EMEC	EM1G18G	060837	1GHz~18GHz	Feb. 11, 2026	Feb. 11, 2026~ May 19, 2026	Feb. 10, 2027	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz~18GHz	Feb. 12, 2025	Feb. 08, 2026~ Feb. 10, 2026	Feb. 11, 2026	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz~18GHz	Feb. 11, 2026	Feb. 11, 2026~ May 19, 2026	Feb. 10, 2027	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM18G40G	060801	18GHz~40GHz	May 26, 2025	Feb. 08, 2026~ May 19, 2026	May 25, 2026	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010B	MY60241058	10Hz~44Gz	Jul. 15, 2025	Feb. 08, 2026~ May 19, 2026	Jul. 14, 2026	Radiation (03CH15-HY)
EMI Test Reveiver	Keysight	N9038A(MXE)	MY54130085	20Hz~8.4GHz	Oct. 15, 2025	Feb. 08, 2026~ May 19, 2026	Oct. 14, 2026	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Feb. 08, 2026~ May 19, 2026	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Feb. 08, 2026~ May 19, 2026	N/A	Radiation (03CH15-HY)
Software	Audix	E3_V9_230621	RK-002394	N/A	N/A	Feb. 08, 2026~ May 19, 2026	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY519228/2,80 3950/2,508407/ 2E	30MHz~40GHz	Sep. 24, 2025	Feb. 08, 2026~ May 19, 2026	Sep. 23, 2026	Radiation (03CH15-HY)
Hygrometer	TECPEL	DTM-302	SN2	N/A	Aug. 26, 2025	Feb. 08, 2026~ May 19, 2026	Aug. 25, 2026	Radiation (03CH15-HY)
Filter	wright	WHKX8-5872.5- 6750-18000-40 ST	SN6	6.75GHz High Pass Filter	Jun. 03, 2025	Feb. 08, 2026~ May 19, 2026	Jun. 02, 2026	Radiation (03CH15-HY)
Filter	wright	WHKX6-7268-9 200-26500-40C D	SN2	9GHz High Pass Filter	May 21, 2025	Feb. 08, 2026~ May 19, 2026	May 20, 2026	Radiation (03CH15-HY)
Filter	wright	WLJ4-1000-153 0-6000-40ST	SN4	1.53GHz Low Pass Filter	Jun. 03, 2025	Feb. 08, 2026~ May 19, 2026	Jun. 02, 2026	Radiation (03CH15-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Signal Generator (Interferer)	Rohde & Schwarz	SMW200A	111391	100kHz~7.5GHz	Dec. 31, 2025	Feb. 11, 2026~ Feb. 12, 2026	Dec. 30, 2026	CBP (DF02-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV3013	101549	10Hz~13.6GHz	Dec. 18, 2025	Feb. 11, 2026~ Feb. 12, 2026	Dec. 17, 2026	CBP (DF02-HY)
Power Divider	Woken	3Way SMA Power Divider Rated to 20W	STI08-0010(#4)	2GHz-8GHz	Jul. 15, 2025	Feb. 11, 2026~ Feb. 12, 2026	Jul. 14, 2026	CBP (DF02-HY)
Power Divider	Woken	2Way Divider	DCMB1KW7A1	0.5GHz-18GHz	Jul. 15, 2025	Feb. 11, 2026~ Feb. 12, 2026	Jul. 14, 2026	CBP (DF02-HY)
Power Divider	MCLI	PS4-16	25143	4Way:0.5-18GHz	Jul. 15, 2025	Feb. 11, 2026~ Feb. 12, 2026	Jul. 14, 2026	CBP (DF02-HY)
Coupler	Woken	10dB 30W SMA	DOM5CIW3A1	0.5-18GHz	Jul. 15, 2025	Feb. 11, 2026~ Feb. 12, 2026	Jul. 14, 2026	CBP (DF02-HY)
Software 1	Sporton	Adaptivity Test Tools	N/A	Ver 1.9.3	NCR	Feb. 11, 2026~ Feb. 12, 2026	NCR	CBP (DF02-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 04, 2025	Apr. 01, 2026~ May 15, 2026	Nov. 03, 2026	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO37 (NO:167)	10MHz~6GHz	Nov. 14, 2025	Apr. 01, 2026~ May 15, 2026	Nov. 13, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101466	10HZ~44GHZ	Nov. 12, 2025	Apr. 01, 2026~ May 15, 2026	Nov. 11, 2026	Conducted (TH05-HY)
Switch Control Mainframe	E-Instument	ETF-1405-0	EC1900067 (BOX7)	N/A	Jul. 02, 2025	Apr. 01, 2026~ May 15, 2026	Jul. 01, 2026	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_version_240513	N/A	Conducted Other Test Item	N/A	Apr. 01, 2026~ May 15, 2026	N/A	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Feb. 13, 2026	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Feb. 13, 2026	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 20, 2025	Feb. 13, 2026	Oct. 19, 2026	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 3, 2025	Feb. 13, 2026	Mar. 2, 2026	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 24, 2025	Feb. 13, 2026	Mar. 23, 2026	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Oct. 21, 2025	Feb. 13, 2026	Oct. 20, 2026	Conduction (CO07-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% ($U = 2Uc(y)$)	6.5 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.3 dB
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Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.5 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9 dB
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Appendix A. Test Result of Conducted Test Items

<SDM Mode> <NSS=4>

Test Engineer:	Derek Hsu	Temperature:	21~25	°C
Test Date:	2026/04/01~2026/05/07	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-5 MIMO													
Mod.	Data Rate	NTX	Freq. (MHz)	99% Bandwidth (MHz)				26 dB Bandwidth (MHz)				99% Bandwidth Limit (MHz)	Pass /Fail
				Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4		
11a	6Mbps	4	5955	17.58	17.65	17.87	17.96	21.93	21.95	22.12	22.14	320.00	Pass
11a	6Mbps	4	6195	17.58	17.66	17.87	18.01	21.92	21.94	21.98	22.46	320.00	Pass
11a	6Mbps	4	6415	17.58	17.62	17.82	17.99	21.97	21.90	22.33	22.33	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-5 MIMO												
Mod.	Data Rate	NTX	Freq. (MHz)	Conducted Power (dBm)					DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
				Ant 1	Ant 2	Ant 3	Ant 4	SUM	4TX	SUM		
11a	6Mbps	4	5955	9.80	10.45	9.70	10.28	16.09	0.90	16.99	30.00	Pass
11a	6Mbps	4	6195	10.03	9.78	10.40	9.58	15.98	0.90	16.88	30.00	Pass
11a	6Mbps	4	6415	10.15	9.70	10.40	9.80	16.04	0.90	16.94	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-5 MIMO																
Mod.	Data Rate	N _{TX}	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 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	SUM				
11a	6Mbps	4	5955	0.23	0.23	0.23	0.23					3.98	0.90	4.88	5.00	Pass
11a	6Mbps	4	6195	0.23	0.23	0.23	0.23					3.98	0.90	4.88	5.00	Pass
11a	6Mbps	4	6415	0.23	0.23	0.23	0.23					3.88	0.90	4.78	5.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-6 MIMO													
Mod.	Data Rate	NTX	Freq. (MHz)	99% Bandwidth (MHz)				26 dB Bandwidth (MHz)				99% Bandwidth Limit (MHz)	Pass /Fail
				Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4		
11a	6Mbps	4	6435	17.55	17.62	17.84	18.00	21.98	21.93	22.11	22.04	320.00	Pass
11a	6Mbps	4	6475	17.56	17.62	17.81	17.97	21.74	22.00	22.29	22.25	320.00	Pass
11a	6Mbps	4	6515	17.56	17.62	17.84	17.94	22.01	21.94	22.06	22.01	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-6 MIMO												
Mod.	Data Rate	NTX	Freq. (MHz)	Conducted Power (dBm)					DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
				Ant 1	Ant 2	Ant 3	Ant 4	SUM				
11a	6Mbps	4	6435	11.50	11.35	11.80	11.08	17.46	-0.50	16.96	30.00	Pass
11a	6Mbps	4	6475	11.85	11.18	11.42	11.00	17.39	-0.50	16.89	30.00	Pass
11a	6Mbps	4	6515	11.60	11.20	11.25	10.85	17.25	-0.50	16.75	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-6 MIMO																	
Mod.	Data Rate	NTx	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 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	SUM					
11a	6Mbps	4	6435	0.23	0.23	0.23	0.23						5.49	-0.50	4.99	5.00	Pass
11a	6Mbps	4	6475	0.23	0.23	0.23	0.23						5.44	-0.50	4.94	5.00	Pass
11a	6Mbps	4	6515	0.23	0.23	0.23	0.23						5.34	-0.50	4.84	5.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 MIMO													
Mod.	Data Rate	N _{TX}	Freq. (MHz)	99% Bandwidth (MHz)				26 dB Bandwidth (MHz)				99% Bandwidth Limit (MHz)	Pass /Fail
				Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4		
11a	6Mbps	4	6535	17.58	17.61	17.83	17.96	22.13	21.89	22.35	22.03	320.00	Pass
11a	6Mbps	4	6695	17.58	17.62	17.83	17.93	21.73	22.02	22.25	22.05	320.00	Pass
11a	6Mbps	4	6855	17.58	17.64	17.87	17.96	21.95	21.99	22.22	22.12	320.00	Pass

U-NII-7 straddle channel MIMO													
Mod.	Data Rate	N _{TX}	Freq. (MHz)	99% Bandwidth (MHz)				26 dB Bandwidth (MHz)				99% Bandwidth Limit (MHz)	Pass /Fail
				Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4		
11a	6Mbps	4	6875	17.59	17.65	17.86	17.99	22.08	21.90	22.29	22.19	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-7 MIMO												
Mod.	Data Rate	NTX	Freq. (MHz)	Conducted Power (dBm)					DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
				Ant 1	Ant 2	Ant 3	Ant 4	SUM				
11a	6Mbps	4	6535	11.60	11.26	11.23	10.81	17.25	-0.50	16.75	30.00	Pass
11a	6Mbps	4	6695	11.45	11.19	11.50	11.10	17.33	-0.50	16.83	30.00	Pass
11a	6Mbps	4	6855	11.24	11.00	11.45	11.30	17.27	-0.50	16.77	30.00	Pass

U-NII-7 straddle channel MIMO												
Mod.	Data Rate	NTX	Freq. (MHz)	Conducted Power (dBm)					DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
				Ant 1	Ant 2	Ant 3	Ant 4	SUM				
11a	6Mbps	4	6875	11.30	11.00	11.45	11.22	17.27	-0.50	16.77	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-7 MIMO																
Mod.	Data Rate	NTx	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 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	SUM				
11a	6Mbps	4	6535	0.23	0.23	0.23	0.23					5.30	-0.50	4.80	5.00	Pass
11a	6Mbps	4	6695	0.23	0.23	0.23	0.23					5.47	-0.50	4.97	5.00	Pass
11a	6Mbps	4	6855	0.23	0.23	0.23	0.23					5.35	-0.50	4.85	5.00	Pass

FCC U-NII-7 straddle channel MIMO																
Mod.	Data Rate	N _{TX}	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 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	SUM				
11a	6Mbps	4	6875	0.23	0.23	0.23	0.23	Ant 1	Ant 2	Ant 3	Ant 4	SUM	4TX	SUM	5.00	Pass

TEST RESULTS DATA
26dB EBW and 99% OBW

U-NII-8 MIMO													
Mod.	Data Rate	NTX	Freq. (MHz)	99% Bandwidth (MHz)				26 dB Bandwidth (MHz)				99% Bandwidth Limit (MHz)	Pass /Fail
				Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4		
11a	6Mbps	4	6895	17.56	17.63	17.86	17.98	21.89	21.97	22.18	22.24	320.00	Pass
11a	6Mbps	4	6995	17.56	17.61	17.87	17.96	21.89	22.08	22.38	22.30	320.00	Pass
11a	6Mbps	4	7095	17.57	17.61	17.85	18.00	21.99	21.96	22.10	22.26	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-8 MIMO												
Mod.	Data Rate	NTX	Freq. (MHz)	Conducted Power (dBm)					DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
				Ant 1	Ant 2	Ant 3	Ant 4	SUM	4TX	SUM		
11a	6Mbps	4	6895	11.11	10.95	11.40	11.16	17.18	-0.40	16.78	30.00	Pass
11a	6Mbps	4	6995	11.40	10.90	11.35	11.20	17.24	-0.40	16.84	30.00	Pass
11a	6Mbps	4	7095	11.70	10.82	11.60	11.05	17.33	-0.40	16.93	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-8 MIMO																
Mod.	Data Rate	N _{TX}	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 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	SUM				
11a	6Mbps	4	6895	0.23	0.23	0.23	0.23					5.25	-0.40	4.85	5.00	Pass
11a	6Mbps	4	6995	0.23	0.23	0.23	0.23					5.31	-0.40	4.91	5.00	Pass
11a	6Mbps	4	7095	0.23	0.23	0.23	0.23					5.31	-0.40	4.91	5.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-5 MIMO													
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	Conducted Power (dBm)					DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM				
HE20	MCS0	4	5955	Full	9.88	10.55	9.88	10.15	16.14	0.90	17.04	30.00	Pass
HE20	MCS0	4	6195	Full	10.44	10.18	10.55	9.95	16.31	0.90	17.21	30.00	Pass
HE20	MCS0	4	6415	Full	10.47	10.00	10.73	10.35	16.42	0.90	17.32	30.00	Pass
HE40	MCS0	4	5965	Full	12.41	13.35	12.58	12.64	18.78	0.90	19.68	30.00	Pass
HE40	MCS0	4	6205	Full	12.88	12.56	13.28	12.61	18.86	0.90	19.76	30.00	Pass
HE40	MCS0	4	6405	Full	13.05	12.94	12.95	13.00	19.01	0.90	19.91	30.00	Pass
HE80	MCS0	4	5985	Full	15.19	16.09	15.66	15.25	21.58	0.90	22.48	30.00	Pass
HE80	MCS0	4	6225	Full	16.18	15.40	16.10	15.95	21.94	0.90	22.84	30.00	Pass
HE80	MCS0	4	6385	Full	15.68	15.45	15.82	15.65	21.67	0.90	22.57	30.00	Pass
HE160	MCS0	4	6025	Full	17.91	17.65	17.81	17.56	23.76	0.90	24.66	30.00	Pass
HE160	MCS0	4	6185	Full	17.99	17.77	18.01	17.60	23.87	0.90	24.77	30.00	Pass
HE160	MCS0	4	6345	Full	18.74	18.40	18.29	18.10	24.41	0.90	25.31	30.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-6 MIMO													
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	Conducted Power (dBm)					DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM				
HE20	MCS0	4	6435	Full	11.98	11.60	11.87	11.54	17.77	-0.50	17.27	30.00	Pass
HE20	MCS0	4	6475	Full	12.35	11.84	11.97	11.60	17.97	-0.50	17.47	30.00	Pass
HE20	MCS0	4	6515	Full	12.37	11.53	11.93	11.35	17.83	-0.50	17.33	30.00	Pass
HE40	MCS0	4	6445	Full	14.42	14.39	14.51	14.34	20.44	-0.50	19.94	30.00	Pass
HE40	MCS0	4	6485	Full	14.50	14.45	14.41	14.15	20.40	-0.50	19.90	30.00	Pass
HE80	MCS0	4	6465	Full	17.31	17.65	17.40	16.87	23.34	-0.50	22.84	30.00	Pass

U-NII-6 straddle channel MIMO													
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	Conducted Power (dBm)					DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM				
HE40	MCS0	4	6525	Full	14.68	14.45	14.55	14.09	20.47	-0.50	19.97	30.00	Pass
HE80	MCS0	4	6545	Full	17.60	17.60	17.55	16.99	23.46	-0.50	22.96	30.00	Pass
HE160	MCS0	4	6505	Full	20.31	20.10	20.07	19.60	26.05	-0.50	25.55	30.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-7 MIMO													
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	Conducted Power (dBm)					DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM				
HE20	MCS0	4	6535	Full	12.34	11.70	11.85	11.43	17.86	-0.50	17.36	30.00	Pass
HE20	MCS0	4	6695	Full	11.77	11.80	12.15	11.88	17.92	-0.50	17.42	30.00	Pass
HE20	MCS0	4	6855	Full	11.88	11.45	11.99	11.75	17.79	-0.50	17.29	30.00	Pass
HE40	MCS0	4	6565	Full	14.70	14.49	14.57	14.48	20.58	-0.50	20.08	30.00	Pass
HE40	MCS0	4	6685	Full	14.24	14.35	14.45	14.14	20.32	-0.50	19.82	30.00	Pass
HE40	MCS0	4	6845	Full	14.45	14.34	14.58	14.10	20.39	-0.50	19.89	30.00	Pass
HE80	MCS0	4	6625	Full	17.42	16.94	17.34	17.15	23.24	-0.50	22.74	30.00	Pass
HE80	MCS0	4	6705	Full	17.42	16.80	17.78	17.05	23.30	-0.50	22.80	30.00	Pass
HE80	MCS0	4	6785	Full	17.71	17.08	17.49	17.00	23.35	-0.50	22.85	30.00	Pass
HE160	MCS0	4	6665	Full	20.19	20.06	20.18	19.85	26.09	-0.50	25.59	30.00	Pass

U-NII-7 straddle channel MIMO													
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	Conducted Power (dBm)					DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM				
HE20	MCS0	4	6875	Full	12.10	11.52	12.11	11.86	17.92	-0.50	17.42	30.00	Pass
HE40	MCS0	4	6885	Full	14.56	14.52	14.74	14.45	20.59	-0.50	20.09	30.00	Pass
HE80	MCS0	4	6865	Full	17.35	16.95	17.22	16.98	23.15	-0.50	22.65	30.00	Pass
HE160	MCS0	4	6825	Full	20.03	19.74	19.99	19.38	25.81	-0.50	25.31	30.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-8 MIMO													
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	Conducted Power (dBm)					DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM				
HE20	MCS0	4	6895	Full	11.91	11.45	11.90	11.66	17.75	-0.40	17.35	30.00	Pass
HE20	MCS0	4	6995	Full	11.95	11.38	12.19	11.94	17.90	-0.40	17.50	30.00	Pass
HE20	MCS0	4	7095	Full	12.28	11.39	12.05	11.70	17.89	-0.40	17.49	30.00	Pass
HE40	MCS0	4	6925	Full	14.52	14.19	14.68	14.37	20.46	-0.40	20.06	30.00	Pass
HE40	MCS0	4	7005	Full	14.48	13.95	14.75	14.04	20.34	-0.40	19.94	30.00	Pass
HE40	MCS0	4	7085	Full	14.58	14.05	14.55	13.98	20.32	-0.40	19.92	30.00	Pass
HE80	MCS0	4	6945	Full	16.78	17.33	17.39	17.09	23.17	-0.40	22.77	30.00	Pass
HE80	MCS0	4	7025	Full	16.75	16.94	17.41	16.93	23.04	-0.40	22.64	30.00	Pass
HE160	MCS0	4	6985	Full	19.40	19.50	19.62	20.19	25.47	-0.40	25.07	30.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-5 MIMO														
Mod.	Data Rate	NTx	Freq. (MHz)	RU Config	99% Bandwidth (MHz)				26 dB Bandwidth (MHz)				99% Bandwidth Limit (MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4		
EHT20	MCS0	4	5955	Full	19.34	19.34	19.33	19.46	22.18	22.46	21.98	22.47	320.00	Pass
EHT20	MCS0	4	6195	Full	19.35	19.32	19.32	19.46	22.06	22.08	22.10	22.56	320.00	Pass
EHT20	MCS0	4	6415	Full	19.34	19.33	19.31	19.44	22.11	21.99	22.12	22.59	320.00	Pass
EHT40	MCS0	4	5965	Full	37.95	38.01	37.98	37.94	41.49	41.41	41.47	41.60	320.00	Pass
EHT40	MCS0	4	6205	Full	37.91	37.97	37.95	37.96	41.62	41.62	41.58	41.55	320.00	Pass
EHT40	MCS0	4	6405	Full	37.90	37.94	37.99	37.97	41.55	41.46	41.39	41.73	320.00	Pass
EHT80	MCS0	4	5985	Full	77.55	77.49	77.43	77.56	83.74	83.49	83.49	83.65	320.00	Pass
EHT80	MCS0	4	6225	Full	77.51	77.50	77.51	77.58	83.49	83.30	83.46	83.90	320.00	Pass
EHT80	MCS0	4	6385	Full	77.51	77.54	77.50	77.60	83.52	83.71	83.46	83.90	320.00	Pass
EHT160	MCS0	4	6025	Full	156.10	155.99	155.90	156.17	164.11	164.40	163.92	165.07	320.00	Pass
EHT160	MCS0	4	6185	Full	156.20	156.20	156.24	156.36	164.50	164.45	164.93	164.69	320.00	Pass
EHT160	MCS0	4	6345	Full	156.17	156.23	156.16	156.35	164.06	164.50	164.98	165.17	320.00	Pass
EHT320	MCS0	4	6105	Full	315.74	316.02	315.86	315.49	458.59	423.46	472.90	456.58	320.00	Pass
EHT320	MCS0	4	6265	Full	315.89	315.93	315.89	316.16	473.28	408.10	456.10	473.09	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-5 MIMO													
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	Conducted Power (dBm)					DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM				
EHT20	MCS0	4	5955	Full	9.89	10.75	9.89	10.50	16.29	0.90	17.19	30.00	Pass
EHT20	MCS0	4	6195	Full	10.50	10.20	10.70	10.02	16.38	0.90	17.28	30.00	Pass
EHT20	MCS0	4	6415	Full	10.48	10.19	10.80	10.40	16.49	0.90	17.39	30.00	Pass
EHT40	MCS0	4	5965	Full	12.48	13.38	12.59	13.08	18.92	0.90	19.82	30.00	Pass
EHT40	MCS0	4	6205	Full	13.08	12.85	13.30	12.80	19.03	0.90	19.93	30.00	Pass
EHT40	MCS0	4	6405	Full	13.12	13.09	13.06	13.24	19.15	0.90	20.05	30.00	Pass
EHT80	MCS0	4	5985	Full	15.20	16.10	15.75	15.42	21.65	0.90	22.55	30.00	Pass
EHT80	MCS0	4	6225	Full	16.22	15.66	16.11	16.08	22.04	0.90	22.94	30.00	Pass
EHT80	MCS0	4	6385	Full	15.70	15.65	15.84	15.82	21.77	0.90	22.67	30.00	Pass
EHT160	MCS0	4	6025	Full	17.99	17.99	17.92	17.80	23.95	0.90	24.85	30.00	Pass
EHT160	MCS0	4	6185	Full	18.00	17.80	18.02	17.80	23.93	0.90	24.83	30.00	Pass
EHT160	MCS0	4	6345	Full	18.75	18.65	18.30	18.15	24.49	0.90	25.39	30.00	Pass
EHT320	MCS0	4	6105	Full	21.15	20.75	20.70	20.45	26.79	0.90	27.69	30.00	Pass
EHT320	MCS0	4	6265	Full	21.20	20.88	21.05	21.05	27.07	0.90	27.97	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-5 MIMO																	
Mod.	Data Rate	NTx	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 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	SUM				
EHT20	MCS0	4	5955	Full	0.32	0.32	0.32	0.32					4.01	0.90	4.91	5.00	Pass
EHT20	MCS0	4	6195	Full	0.32	0.32	0.32	0.32					3.84	0.90	4.74	5.00	Pass
EHT20	MCS0	4	6415	Full	0.32	0.32	0.32	0.32					4.01	0.90	4.91	5.00	Pass
EHT40	MCS0	4	5965	Full	0.52	0.49	0.51	0.51					4.05	0.90	4.95	5.00	Pass
EHT40	MCS0	4	6205	Full	0.52	0.49	0.51	0.51					3.85	0.90	4.75	5.00	Pass
EHT40	MCS0	4	6405	Full	0.52	0.49	0.51	0.51					4.04	0.90	4.94	5.00	Pass
EHT80	MCS0	4	5985	Full	0.51	0.52	0.51	0.51					4.03	0.90	4.93	5.00	Pass
EHT80	MCS0	4	6225	Full	0.51	0.52	0.51	0.51					4.07	0.90	4.97	5.00	Pass
EHT80	MCS0	4	6385	Full	0.51	0.52	0.51	0.51					3.99	0.90	4.89	5.00	Pass
EHT160	MCS0	4	6025	Full	0.58	0.58	0.58	0.58					3.94	0.90	4.84	5.00	Pass
EHT160	MCS0	4	6185	Full	0.58	0.58	0.58	0.58					3.85	0.90	4.75	5.00	Pass
EHT160	MCS0	4	6345	Full	0.58	0.58	0.58	0.58					4.01	0.90	4.91	5.00	Pass
EHT320	MCS0	4	6105	Full	0.58	0.56	0.56	0.56					3.97	0.90	4.87	5.00	Pass
EHT320	MCS0	4	6265	Full	0.58	0.56	0.56	0.56					3.87	0.90	4.77	5.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-6 MIMO														
Mod.	Data Rate	NTx	Freq. (MHz)	RU Config	99% Bandwidth (MHz)				26 dB Bandwidth (MHz)				99% Bandwidth Limit (MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4		
EHT20	MCS0	4	6435	Full	19.32	19.28	19.32	19.45	22.03	21.98	22.18	22.68	320.00	Pass
EHT20	MCS0	4	6475	Full	19.37	19.32	19.31	19.46	22.03	22.11	21.98	22.62	320.00	Pass
EHT20	MCS0	4	6515	Full	19.34	19.32	19.32	19.47	22.30	22.00	21.99	22.52	320.00	Pass
EHT40	MCS0	4	6445	Full	37.95	37.98	37.96	37.99	41.42	41.34	41.36	41.57	320.00	Pass
EHT40	MCS0	4	6485	Full	37.90	38.01	37.98	37.94	41.50	41.33	41.41	41.68	320.00	Pass
EHT80	MCS0	4	6465	Full	77.54	77.52	77.50	77.59	83.39	83.74	83.58	84.03	320.00	Pass

U-NII-6 straddle channel MIMO														
Mod.	Data Rate	NTx	Freq. (MHz)	RU Config	99% Bandwidth (MHz)				26 dB Bandwidth (MHz)				99% Bandwidth Limit (MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4		
EHT40	MCS0	4	6525	Full	37.92	37.66	37.97	37.93	41.49	41.31	41.41	41.60	320.00	Pass
EHT80	MCS0	4	6545	Full	77.56	77.50	77.52	77.60	83.74	84.10	83.52	84.13	320.00	Pass
EHT160	MCS0	4	6505	Full	156.22	156.27	156.25	156.43	164.45	164.98	165.41	164.45	320.00	Pass
EHT320	MCS0	4	6425	Full	316.41	316.17	316.10	316.37	548.26	414.05	463.78	544.51	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-6 MIMO													
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	Conducted Power (dBm)					DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM				
EHT20	MCS0	4	6435	Full	12.10	11.90	12.08	11.55	17.93	-0.50	17.43	30.00	Pass
EHT20	MCS0	4	6475	Full	12.40	12.08	12.25	11.75	18.15	-0.50	17.65	30.00	Pass
EHT20	MCS0	4	6515	Full	12.40	12.00	12.12	11.40	18.02	-0.50	17.52	30.00	Pass
EHT40	MCS0	4	6445	Full	14.43	14.52	14.52	14.40	20.49	-0.50	19.99	30.00	Pass
EHT40	MCS0	4	6485	Full	14.63	14.62	14.69	14.25	20.57	-0.50	20.07	30.00	Pass
EHT80	MCS0	4	6465	Full	17.32	17.77	17.57	16.88	23.42	-0.50	22.92	30.00	Pass

U-NII-6 straddle channel MIMO													
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	Conducted Power (dBm)					DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM				
EHT40	MCS0	4	6525	Full	14.69	14.50	14.56	14.32	20.54	-0.50	20.04	30.00	Pass
EHT80	MCS0	4	6545	Full	17.70	17.80	17.70	17.00	23.58	-0.50	23.08	30.00	Pass
EHT160	MCS0	4	6505	Full	20.60	20.27	20.08	19.70	26.20	-0.50	25.70	30.00	Pass
EHT320	MCS0	4	6425	Full	23.00	22.67	22.74	22.59	28.77	-0.50	28.27	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-6 MIMO																	
Mod.	Data Rate	N _{Tx}	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 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	SUM				
EHT20	MCS0	4	6435	Full	0.32	0.32	0.32	0.32					5.40	-0.50	4.90	5.00	Pass
EHT20	MCS0	4	6475	Full	0.32	0.32	0.32	0.32					5.40	-0.50	4.90	5.00	Pass
EHT20	MCS0	4	6515	Full	0.32	0.32	0.32	0.32					5.47	-0.50	4.97	5.00	Pass
EHT40	MCS0	4	6445	Full	0.52	0.49	0.51	0.51					5.40	-0.50	4.90	5.00	Pass
EHT40	MCS0	4	6485	Full	0.52	0.49	0.51	0.51					5.31	-0.50	4.81	5.00	Pass
EHT80	MCS0	4	6465	Full	0.51	0.52	0.51	0.51					5.39	-0.50	4.89	5.00	Pass

U-NII-6 straddle channel MIMO																	
Mod.	Data Rate	NTx	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 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4					SUM
EHT40	MCS0	4	6525	Full	0.52	0.49	0.51	0.51					5.44	-0.50	4.94	5.00	Pass
EHT80	MCS0	4	6545	Full	0.51	0.52	0.51	0.51					5.46	-0.50	4.96	5.00	Pass
EHT160	MCS0	4	6505	Full	0.58	0.58	0.58	0.58					5.24	-0.50	4.74	5.00	Pass
EHT320	MCS0	4	6425	Full	0.58	0.56	0.56	0.56					5.35	-0.50	4.85	5.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 MIMO														
Mod.	Data Rate	NTx	Freq. (MHz)	RU Config	99% Bandwidth (MHz)				26 dB Bandwidth (MHz)				99% Bandwidth Limit (MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4		
EHT20	MCS0	4	6535	Full	19.35	19.34	19.31	19.43	22.39	21.94	22.05	23.82	320.00	Pass
EHT20	MCS0	4	6695	Full	19.38	19.34	19.33	19.45	22.08	23.37	22.05	22.57	320.00	Pass
EHT20	MCS0	4	6855	Full	19.36	19.34	19.32	19.46	22.20	22.32	21.97	22.62	320.00	Pass
EHT40	MCS0	4	6565	Full	37.94	37.97	37.96	37.95	41.47	41.49	41.36	41.73	320.00	Pass
EHT40	MCS0	4	6685	Full	37.93	37.96	37.94	37.96	41.44	41.30	42.56	41.65	320.00	Pass
EHT40	MCS0	4	6845	Full	37.94	38.00	37.96	37.94	41.26	41.71	41.46	41.79	320.00	Pass
EHT80	MCS0	4	6625	Full	77.53	77.55	77.50	77.62	83.33	83.94	83.52	83.52	320.00	Pass
EHT80	MCS0	4	6705	Full	77.48	77.59	77.56	77.65	83.46	83.65	83.33	83.84	320.00	Pass
EHT80	MCS0	4	6785	Full	77.51	77.59	77.50	77.65	83.65	83.65	83.55	84.06	320.00	Pass
EHT160	MCS0	4	6665	Full	156.23	156.32	156.28	156.27	164.78	164.74	164.30	164.64	320.00	Pass

U-NII-7 straddle channel MIMO														
Mod.	Data Rate	NTx	Freq. (MHz)	RU Config	99% Bandwidth (MHz)				26 dB Bandwidth (MHz)				99% Bandwidth Limit (MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4		
EHT20	MCS0	4	6875	Full	19.36	19.33	19.32	19.44	22.13	22.25	22.06	22.62	320.00	Pass
EHT40	MCS0	4	6885	Full	37.95	37.96	37.97	37.95	41.39	41.82	41.49	41.68	320.00	Pass
EHT80	MCS0	4	6865	Full	77.56	77.57	77.50	77.59	83.07	83.20	83.71	83.97	320.00	Pass
EHT160	MCS0	4	6825	Full	156.23	156.36	156.24	156.45	164.78	164.30	164.50	164.50	320.00	Pass
EHT320	MCS0	4	6585	Full	316.15	316.20	316.39	316.27	416.26	387.46	435.36	473.57	320.00	Pass
EHT320	MCS0	4	6745	Full	316.07	316.40	316.21	315.82	394.66	415.10	400.42	423.55	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-7 MIMO													
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	Conducted Power (dBm)					DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM				
EHT20	MCS0	4	6535	Full	12.40	11.90	12.14	11.45	18.01	-0.50	17.51	30.00	Pass
EHT20	MCS0	4	6695	Full	11.78	11.96	12.30	12.11	18.06	-0.50	17.56	30.00	Pass
EHT20	MCS0	4	6855	Full	12.08	11.70	12.15	12.00	18.01	-0.50	17.51	30.00	Pass
EHT40	MCS0	4	6565	Full	14.80	14.50	14.58	14.50	20.62	-0.50	20.12	30.00	Pass
EHT40	MCS0	4	6685	Full	14.25	14.52	14.50	14.15	20.38	-0.50	19.88	30.00	Pass
EHT40	MCS0	4	6845	Full	14.60	14.50	14.60	14.30	20.52	-0.50	20.02	30.00	Pass
EHT80	MCS0	4	6625	Full	17.43	17.00	17.44	17.30	23.32	-0.50	22.82	30.00	Pass
EHT80	MCS0	4	6705	Full	17.50	17.10	17.80	17.10	23.41	-0.50	22.91	30.00	Pass
EHT80	MCS0	4	6785	Full	17.72	17.40	17.50	17.10	23.46	-0.50	22.96	30.00	Pass
EHT160	MCS0	4	6665	Full	20.33	20.15	20.30	19.88	26.19	-0.50	25.69	30.00	Pass

U-NII-7 straddle channel MIMO													
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	Conducted Power (dBm)					DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM				
EHT20	MCS0	4	6875	Full	12.19	11.85	12.18	11.88	18.05	-0.50	17.55	30.00	Pass
EHT40	MCS0	4	6885	Full	14.57	14.53	14.80	14.60	20.65	-0.50	20.15	30.00	Pass
EHT80	MCS0	4	6865	Full	17.40	17.05	17.24	17.00	23.20	-0.50	22.70	30.00	Pass
EHT160	MCS0	4	6825	Full	20.11	19.75	20.00	19.50	25.87	-0.50	25.37	30.00	Pass
EHT320	MCS0	4	6585	Full	23.10	22.70	22.90	22.60	28.85	-0.50	28.35	30.00	Pass
EHT320	MCS0	4	6745	Full	22.56	22.66	22.75	22.38	28.61	-0.50	28.11	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-7 MIMO																	
Mod.	Data Rate	NTX	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 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	SUM				
EHT20	MCS0	4	6535	Full	0.32	0.32	0.32	0.32					5.48	-0.50	4.98	5.00	Pass
EHT20	MCS0	4	6695	Full	0.32	0.32	0.32	0.32					5.39	-0.50	4.89	5.00	Pass
EHT20	MCS0	4	6855	Full	0.32	0.32	0.32	0.32					5.26	-0.50	4.76	5.00	Pass
EHT40	MCS0	4	6565	Full	0.52	0.49	0.51	0.51					5.47	-0.50	4.97	5.00	Pass
EHT40	MCS0	4	6685	Full	0.52	0.49	0.51	0.51					5.37	-0.50	4.87	5.00	Pass
EHT40	MCS0	4	6845	Full	0.52	0.49	0.51	0.51					5.31	-0.50	4.81	5.00	Pass
EHT80	MCS0	4	6625	Full	0.51	0.52	0.51	0.51					5.39	-0.50	4.89	5.00	Pass
EHT80	MCS0	4	6705	Full	0.51	0.52	0.51	0.51					5.43	-0.50	4.93	5.00	Pass
EHT80	MCS0	4	6785	Full	0.51	0.52	0.51	0.51					5.45	-0.50	4.95	5.00	Pass
EHT160	MCS0	4	6665	Full	0.58	0.58	0.58	0.58					5.44	-0.50	4.94	5.00	Pass

U-NII-7 straddle channel MIMO																	
Mod.	Data Rate	NTx	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 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	SUM				
EHT20	MCS0	4	6875	Full	0.32	0.32	0.32	0.32					5.49	-0.50	4.99	5.00	Pass
EHT40	MCS0	4	6885	Full	0.52	0.49	0.51	0.51					5.47	-0.50	4.97	5.00	Pass
EHT80	MCS0	4	6865	Full	0.51	0.52	0.51	0.51					5.25	-0.50	4.75	5.00	Pass
EHT160	MCS0	4	6825	Full	0.58	0.58	0.58	0.58					5.39	-0.50	4.89	5.00	Pass
EHT320	MCS0	4	6585	Full	0.58	0.56	0.56	0.56					5.38	-0.50	4.88	5.00	Pass
EHT320	MCS0	4	6745	Full	0.58	0.56	0.56	0.56					5.30	-0.50	4.80	5.00	Pass

TEST RESULTS DATA
26dB EBW and 99% OBW

U-NII-8 MIMO														
Mod.	Data Rate	N _{TX}	Freq. (MHz)	RU Config	99% Bandwidth (MHz)				26 dB Bandwidth (MHz)				99% Bandwidth Limit (MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4		
EHT20	MCS0	4	6895	Full	19.35	19.32	19.30	19.44	22.30	22.27	22.02	22.63	320.00	Pass
EHT20	MCS0	4	6995	Full	19.33	19.32	19.31	19.44	22.14	21.93	21.85	22.63	320.00	Pass
EHT20	MCS0	4	7095	Full	19.34	19.32	19.32	19.46	22.18	22.10	21.99	22.57	320.00	Pass
EHT40	MCS0	4	6925	Full	37.92	37.95	37.97	37.95	41.31	41.55	41.54	41.89	320.00	Pass
EHT40	MCS0	4	7005	Full	37.94	37.94	37.99	37.93	41.36	41.41	41.54	41.73	320.00	Pass
EHT40	MCS0	4	7085	Full	37.92	37.99	37.97	37.98	41.54	41.39	41.55	41.94	320.00	Pass
EHT80	MCS0	4	6945	Full	77.54	77.55	77.49	77.58	83.81	83.39	83.81	84.00	320.00	Pass
EHT80	MCS0	4	7025	Full	77.58	77.50	77.54	77.51	83.26	83.49	83.97	83.84	320.00	Pass
EHT160	MCS0	4	6985	Full	156.26	156.39	156.23	156.37	165.12	164.26	165.17	164.21	320.00	Pass

U-NII-8 straddle channel MIMO														
Mod.	Data Rate	NTx	Freq. (MHz)	RU Config	99% Bandwidth (MHz)				26 dB Bandwidth (MHz)				99% Bandwidth Limit (MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4		
EHT320	MCS0	4	6905	Full	316.21	316.37	316.42	316.26	391.20	388.03	399.94	436.13	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-8 MIMO													
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	Conducted Power (dBm)					DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM				
EHT20	MCS0	4	6895	Full	11.99	11.60	12.22	11.80	17.93	-0.40	17.53	30.00	Pass
EHT20	MCS0	4	6995	Full	12.15	11.60	12.20	12.00	18.01	-0.40	17.61	30.00	Pass
EHT20	MCS0	4	7095	Full	12.40	11.60	12.24	11.77	18.04	-0.40	17.64	30.00	Pass
EHT40	MCS0	4	6925	Full	14.53	14.20	14.70	14.40	20.48	-0.40	20.08	30.00	Pass
EHT40	MCS0	4	7005	Full	14.50	14.20	14.80	14.05	20.42	-0.40	20.02	30.00	Pass
EHT40	MCS0	4	7085	Full	14.60	14.10	14.60	14.16	20.39	-0.40	19.99	30.00	Pass
EHT80	MCS0	4	6945	Full	16.94	17.40	17.40	17.10	23.24	-0.40	22.84	30.00	Pass
EHT80	MCS0	4	7025	Full	17.05	17.21	17.42	16.94	23.18	-0.40	22.78	30.00	Pass
EHT160	MCS0	4	6985	Full	19.60	19.74	19.63	20.33	25.60	-0.40	25.20	30.00	Pass

U-NII-8 straddle channel MIMO													
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	Conducted Power (dBm)					DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM				
EHT320	MCS0	4	6905	Full	22.64	22.10	22.57	22.40	28.45	-0.40	28.05	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-8 MIMO																	
Mod.	Data Rate	NTX	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 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	SUM				
EHT20	MCS0	4	6895	Full	0.32	0.32	0.32	0.32					5.35	-0.40	4.95	5.00	Pass
EHT20	MCS0	4	6995	Full	0.32	0.32	0.32	0.32					5.35	-0.40	4.95	5.00	Pass
EHT20	MCS0	4	7095	Full	0.32	0.32	0.32	0.32					5.38	-0.40	4.98	5.00	Pass
EHT40	MCS0	4	6925	Full	0.52	0.49	0.51	0.51					5.31	-0.40	4.91	5.00	Pass
EHT40	MCS0	4	7005	Full	0.52	0.49	0.51	0.51					5.18	-0.40	4.78	5.00	Pass
EHT40	MCS0	4	7085	Full	0.52	0.49	0.51	0.51					5.21	-0.40	4.81	5.00	Pass
EHT80	MCS0	4	6945	Full	0.51	0.52	0.51	0.51					5.31	-0.40	4.91	5.00	Pass
EHT80	MCS0	4	7025	Full	0.51	0.52	0.51	0.51					5.24	-0.40	4.84	5.00	Pass
EHT16C	MCS0	4	6985	Full	0.58	0.58	0.58	0.58					5.18	-0.40	4.78	5.00	Pass

U-NII-8 straddle channel MIMO																	
Mod.	Data Rate	NTX	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 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4					SUM
EHT32	MCS0	4	6905	Full	0.58	0.56	0.56	0.56	Ant 1	Ant 2	Ant 3	Ant 4	SUM	4TX	SUM	5.00	Pass

Report Number : FR612627F

< TXBF_4T1S Mode>

Test Engineer	Sam Pan, Bigshow Wang, Quentin Liu	Temperature	19.2~21.7	°C
Test Date	2026/02/08 ~ 2026/04/18	Relative Humidity	64.9~71.1	%

TEST RESULTS DATA
EIRP Power Spectral Density

Band V TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11ax	MCS0	4	1	5955	Full	88.260	11.150	99.783	0.373	-95.23	4.553	5.00	Pass
11ax	MCS0	4	49	6195	Full	87.739	11.500	99.612	0.373	-95.23	4.382	5.00	Pass
11ax	MCS0	4	93	6415	Full	87.386	12.360	100.119	0.373	-95.23	4.889	5.00	Pass

Band VI TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11ax	MCS0	4	97	6435	Full	87.162	12.400	99.935	0.373	-95.23	4.705	5.00	Pass
11ax	MCS0	4	105	6475	Full	86.452	12.670	99.495	0.373	-95.23	4.265	5.00	Pass
11ax	MCS0	4	113	6515	Full	86.181	13.060	99.614	0.373	-95.23	4.384	5.00	Pass

Band VII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11ax	MCS0	4	117	6535	Full	85.881	13.180	99.434	0.373	-95.23	4.204	5.00	Pass
11ax	MCS0	4	149	6695	Full	85.634	13.760	99.767	0.373	-95.23	4.537	5.00	Pass
11ax	MCS0	4	181	6855	Full	85.893	13.630	99.896	0.373	-95.23	4.666	5.00	Pass

Band VIII straddle channel TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11ax	MCS0	4	185	6875	Full	85.586	13.780	99.739	0.373	-95.23	4.509	5.00	Pass

Band VIII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11ax	MCS0	4	189	6895	Full	85.318	13.780	99.471	0.373	-95.23	4.241	5.00	Pass
11ax	MCS0	4	209	6995	Full	85.358	13.780	99.511	0.373	-95.23	4.281	5.00	Pass
11ax	MCS0	4	229	7095	Full	84.687	14.500	99.560	0.373	-95.23	4.330	5.00	Pass

E (dBuV/m) = Measured amplitude level (dBuV) + Path Loss (dB) + Duty Factor (dB)

EIRP (dBm) = E (dBuV/m) + 20log(d[m]) - 104.77

TEST RESULTS DATA
EIRP Power

Band V TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11ax	MCS0	4	1	5955	Full	95.470	11.150	106.993	0.373	-95.23	11.763	30.00	Pass
11ax	MCS0	4	49	6195	Full	96.210	11.500	108.083	0.373	-95.23	12.853	30.00	Pass
11ax	MCS0	4	93	6415	Full	95.890	12.360	108.623	0.373	-95.23	13.393	30.00	Pass

Band VI TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11ax	MCS0	4	97	6435	Full	95.310	12.400	108.083	0.373	-95.23	12.853	30.00	Pass
11ax	MCS0	4	105	6475	Full	94.490	12.670	107.533	0.373	-95.23	12.303	30.00	Pass
11ax	MCS0	4	113	6515	Full	94.220	13.060	107.653	0.373	-95.23	12.423	30.00	Pass

Band VII TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11ax	MCS0	4	117	6535	Full	94.110	13.180	107.663	0.373	-95.23	12.433	30.00	Pass
11ax	MCS0	4	149	6695	Full	93.750	13.760	107.883	0.373	-95.23	12.653	30.00	Pass
11ax	MCS0	4	181	6855	Full	93.680	13.630	107.683	0.373	-95.23	12.453	30.00	Pass

Band VIII straddle channel TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11ax	MCS0	4	185	6875	Full	93.800	13.780	107.953	0.373	-95.23	12.723	30.00	Pass

Band VIII TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11ax	MCS0	4	189	6895	Full	92.690	13.780	106.843	0.373	-95.23	11.613	30.00	Pass
11ax	MCS0	4	209	6995	Full	92.410	13.780	106.563	0.373	-95.23	11.333	30.00	Pass
11ax	MCS0	4	229	7095	Full	93.520	14.500	108.393	0.373	-95.23	13.163	30.00	Pass

E (dBuV/m) = Measured amplitude level (dBuV) + Path Loss (dB) + Duty Factor (dB)

EIRP (dBm) = E (dBuV/m) + 20log(d[m]) - 104.77

TEST RESULTS DATA
EIRP Power Spectral Density

Band V TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11ax	MCS0	4	3	5965	Full	87.437	11.150	98.879	0.292	-95.23	3.649	5.00	Pass
11ax	MCS0	4	51	6205	Full	88.357	11.470	100.119	0.292	-95.23	4.889	5.00	Pass
11ax	MCS0	4	91	6405	Full	87.584	12.190	100.066	0.292	-95.23	4.836	5.00	Pass

Band VI TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11ax	MCS0	4	99	6445	Full	87.178	12.490	99.960	0.292	-95.23	4.730	5.00	Pass
11ax	MCS0	4	107	6485	Full	86.740	12.750	99.782	0.292	-95.23	4.552	5.00	Pass
11ax	MCS0	4	115	6525	Full	86.505	13.030	99.827	0.292	-95.23	4.597	5.00	Pass

Band VII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11ax	MCS0	4	123	6565	Full	84.816	13.350	98.458	0.292	-95.23	3.228	5.00	Pass
11ax	MCS0	4	147	6685	Full	86.076	13.690	100.058	0.292	-95.23	4.828	5.00	Pass
11ax	MCS0	4	179	6845	Full	85.844	13.610	99.746	0.292	-95.23	4.516	5.00	Pass

Band VIII straddle channel TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11ax	MCS0	4	187	6885	Full	85.616	13.710	99.618	0.292	-95.23	4.388	5.00	Pass

Band VIII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11ax	MCS0	4	195	6925	Full	85.880	13.850	100.022	0.292	-95.23	4.792	5.00	Pass
11ax	MCS0	4	211	7005	Full	85.934	13.770	99.996	0.292	-95.23	4.766	5.00	Pass
11ax	MCS0	4	227	7085	Full	85.031	14.500	99.823	0.292	-95.23	4.593	5.00	Pass

E (dBuV/m) = Measured amplitude level (dBuV) + Path Loss (dB) + Duty Factor (dB)

EIRP (dBm) = E (dBuV/m) + 20log(d[m]) - 104.77

TEST RESULTS DATA
EIRP Power

Band V TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11ax	MCS0	4	3	5965	Full	99.550	11.150	110.992	0.292	-95.23	15.762	30.00	Pass
11ax	MCS0	4	51	6205	Full	99.570	11.470	111.332	0.292	-95.23	16.102	30.00	Pass
11ax	MCS0	4	91	6405	Full	98.630	12.190	111.112	0.292	-95.23	15.882	30.00	Pass

Band VI TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11ax	MCS0	4	99	6445	Full	98.250	12.490	111.032	0.292	-95.23	15.802	30.00	Pass
11ax	MCS0	4	107	6485	Full	98.190	12.750	111.232	0.292	-95.23	16.002	30.00	Pass
11ax	MCS0	4	115	6525	Full	97.800	13.030	111.122	0.292	-95.23	15.892	30.00	Pass

Band VII TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11ax	MCS0	4	123	6565	Full	96.400	13.350	110.042	0.292	-95.23	14.812	30.00	Pass
11ax	MCS0	4	147	6685	Full	97.700	13.690	111.682	0.292	-95.23	16.452	30.00	Pass
11ax	MCS0	4	179	6845	Full	96.860	13.610	110.762	0.292	-95.23	15.532	30.00	Pass

Band VIII straddle channel TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11ax	MCS0	4	187	6885	Full	97.240	13.710	111.242	0.292	-95.23	16.012	30.00	Pass

Band VIII TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11ax	MCS0	4	195	6925	Full	98.340	13.850	112.482	0.292	-95.23	17.252	30.00	Pass
11ax	MCS0	4	211	7005	Full	98.060	13.770	112.122	0.292	-95.23	16.892	30.00	Pass
11ax	MCS0	4	227	7085	Full	97.150	14.500	111.942	0.292	-95.23	16.712	30.00	Pass

E (dBuV/m) = Measured amplitude level (dBuV) + Path Loss (dB) + Duty Factor (dB)

EIRP (dBm) = E (dBuV/m) + 20log(d[m]) - 104.77

TEST RESULTS DATA
EIRP Power Spectral Density

Band V TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11ax	MCS0	4	7	5985	Full	87.281	11.220	99.275	0.774	-95.23	4.045	5.00	Pass
11ax	MCS0	4	55	6225	Full	87.548	11.750	100.072	0.774	-95.23	4.842	5.00	Pass
11ax	MCS0	4	87	6385	Full	86.609	12.300	99.683	0.774	-95.23	4.453	5.00	Pass

Band VI TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11ax	MCS0	4	103	6465	Full	86.800	12.640	100.214	0.774	-95.23	4.984	5.00	Pass
11ax	MCS0	4	119	6545	Full	86.114	13.280	100.168	0.774	-95.23	4.938	5.00	Pass

Band VII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11ax	MCS0	4	135	6625	Full	85.736	13.460	99.970	0.774	-95.23	4.740	5.00	Pass
11ax	MCS0	4	151	6705	Full	84.357	13.740	98.871	0.774	-95.23	3.641	5.00	Pass
11ax	MCS0	4	167	6785	Full	84.163	13.640	98.577	0.774	-95.23	3.347	5.00	Pass

Band VIII straddle channel TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11ax	MCS0	4	183	6865	Full	85.544	13.620	99.938	0.774	-95.23	4.708	5.00	Pass

Band VIII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11ax	MCS0	4	199	6945	Full	85.297	13.840	99.911	0.774	-95.23	4.681	5.00	Pass
11ax	MCS0	4	215	7025	Full	85.189	13.910	99.873	0.774	-95.23	4.643	5.00	Pass

E (dBuV/m) = Measured amplitude level (dBuV) + Path Loss (dB) + Duty Factor (dB)

EIRP (dBm) = E (dBuV/m) + 20log(d[m]) - 104.77

TEST RESULTS DATA
EIRP Power

Band V TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11ax	MCS0	4	7	5985	Full	101.000	11.220	112.994	0.774	-95.23	17.764	30.00	Pass
11ax	MCS0	4	55	6225	Full	101.300	11.750	113.824	0.774	-95.23	18.594	30.00	Pass
11ax	MCS0	4	87	6385	Full	101.100	12.300	114.174	0.774	-95.23	18.944	30.00	Pass

Band VI TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11ax	MCS0	4	103	6465	Full	100.800	12.640	114.214	0.774	-95.23	18.984	30.00	Pass
11ax	MCS0	4	119	6545	Full	100.100	13.280	114.154	0.774	-95.23	18.924	30.00	Pass

Band VII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11ax	MCS0	4	135	6625	Full	100.100	13.460	114.334	0.774	-95.23	19.104	30.00	Pass
11ax	MCS0	4	151	6705	Full	99.420	13.740	113.934	0.774	-95.23	18.704	30.00	Pass
11ax	MCS0	4	167	6785	Full	99.262	13.640	113.676	0.774	-95.23	18.446	30.00	Pass

Band VIII straddle channel TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11ax	MCS0	4	183	6865	Full	99.730	13.620	114.124	0.774	-95.23	18.894	5.00	Fail

Band VIII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11ax	MCS0	4	199	6945	Full	98.600	13.840	113.214	0.774	-95.23	17.984	30.00	Pass
11ax	MCS0	4	215	7025	Full	99.270	13.910	113.954	0.774	-95.23	18.724	30.00	Pass

E (dBuV/m) = Measured amplitude level (dBuV) + Path Loss (dB) + Duty Factor (dB)

EIRP (dBm) = E (dBuV/m) + 20log(d[m]) - 104.77

TEST RESULTS DATA
EIRP Power Spectral Density

Band V TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11ax	MCS0	4	15	6025	Full	88.581	11.170	100.033	0.282	-95.23	4.803	5.00	Pass
11ax	MCS0	4	47	6185	Full	87.349	11.350	98.981	0.282	-95.23	3.751	5.00	Pass
11ax	MCS0	4	79	6345	Full	87.275	11.830	99.387	0.282	-95.23	4.157	5.00	Pass

Band VI TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11ax	MCS0	4	111	6505	Full	87.343	12.470	100.095	0.282	-95.23	4.865	5.00	Pass

Band VII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11ax	MCS0	4	143	6665	Full	85.538	13.770	99.590	0.282	-95.23	4.360	5.00	Pass
11ax	MCS0	4	175	6825	Full	85.455	13.780	99.517	0.282	-95.23	4.287	5.00	Pass

Band VIII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11ax	MCS0	4	207	6985	Full	85.347	13.840	99.469	0.282	-95.23	4.239	5.00	Pass

$E \text{ (dBuV/m)} = \text{Measured amplitude level (dBuV)} + \text{Path Loss (dB)} + \text{Duty Factor (dB)}$

$\text{EIRP (dBm)} = E \text{ (dBuV/m)} + 20\log(d[m]) - 104.77$

TEST RESULTS DATA
EIRP Power

Band V TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11ax	MCS0	4	15	6025	Full	105.700	11.170	117.152	0.282	-95.23	21.922	30.00	Pass
11ax	MCS0	4	47	6185	Full	104.200	11.350	115.832	0.282	-95.23	20.602	30.00	Pass
11ax	MCS0	4	79	6345	Full	104.600	11.830	116.712	0.282	-95.23	21.482	30.00	Pass

Band VI TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11ax	MCS0	4	111	6505	Full	104.300	12.470	117.052	0.282	-95.23	21.822	30.00	Pass

Band VII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11ax	MCS0	4	143	6665	Full	101.400	13.770	115.452	0.282	-95.23	20.222	30.00	Pass
11ax	MCS0	4	175	6825	Full	102.600	13.780	116.662	0.282	-95.23	21.432	30.00	Pass

Band VIII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11ax	MCS0	4	207	6985	Full	103.100	13.840	117.222	0.282	-95.23	21.992	30.00	Pass

E (dBuV/m) = Measured amplitude level (dBuV) + Path Loss (dB) + Duty Factor (dB)

EIRP (dBm) = E (dBuV/m) + 20log(d[m]) - 104.77

TEST RESULTS DATA
EIRP Power Spectral Density

Band V TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11be	MCS0	4	1	5955	Full	88.615	11.150	100.220	0.455	-95.23	4.990	5.00	Pass
11be	MCS0	4	49	6195	Full	88.181	11.500	100.136	0.455	-95.23	4.906	5.00	Pass
11be	MCS0	4	93	6415	Full	87.415	12.360	100.230	0.455	-95.23	5.000	5.00	Pass

Band VI TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11be	MCS0	4	97	6435	Full	87.359	12.400	100.214	0.455	-95.23	4.984	5.00	Pass
11be	MCS0	4	105	6475	Full	87.064	12.670	100.189	0.455	-95.23	4.959	5.00	Pass
11be	MCS0	4	113	6515	Full	86.638	13.060	100.153	0.455	-95.23	4.923	5.00	Pass

Band VII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11be	MCS0	4	117	6535	Full	86.082	13.180	99.717	0.455	-95.23	4.487	5.00	Pass
11be	MCS0	4	149	6695	Full	85.723	13.760	99.938	0.455	-95.23	4.708	5.00	Pass
11be	MCS0	4	181	6855	Full	86.011	13.630	100.096	0.455	-95.23	4.866	5.00	Pass

Band VIII straddle channel TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11be	MCS0	4	185	6875	Full	85.616	13.780	99.851	0.455	-95.23	4.621	5.00	Pass

Band VIII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11be	MCS0	4	189	6895	Full	85.620	13.780	99.855	0.455	-95.23	4.625	5.00	Pass
11be	MCS0	4	209	6995	Full	85.643	13.780	99.878	0.455	-95.23	4.648	5.00	Pass
11be	MCS0	4	229	7095	Full	84.690	14.500	99.645	0.455	-95.23	4.415	5.00	Pass

E (dBuV/m) = Measured amplitude level (dBuV) + Path Loss (dB) + Duty Factor (dB)

EIRP (dBm) = E (dBuV/m) + 20log(d[m]) - 104.77

TEST RESULTS DATA
EIRP Power

Band V TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11be	MCS0	4	1	5955	Full	99.670	11.150	111.275	0.455	-95.23	16.045	30.00	Pass
11be	MCS0	4	49	6195	Full	97.100	11.500	109.055	0.455	-95.23	13.825	30.00	Pass
11be	MCS0	4	93	6415	Full	96.680	12.360	109.495	0.455	-95.23	14.265	30.00	Pass

Band VI TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11be	MCS0	4	97	6435	Full	97.770	12.400	110.625	0.455	-95.23	15.395	30.00	Pass
11be	MCS0	4	105	6475	Full	96.680	12.670	109.805	0.455	-95.23	14.575	30.00	Pass
11be	MCS0	4	113	6515	Full	98.200	13.060	111.715	0.455	-95.23	16.485	30.00	Pass

Band VII TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11be	MCS0	4	117	6535	Full	97.930	13.180	111.565	0.455	-95.23	16.335	30.00	Pass
11be	MCS0	4	149	6695	Full	96.050	13.760	110.265	0.455	-95.23	15.035	30.00	Pass
11be	MCS0	4	181	6855	Full	98.610	13.630	112.695	0.455	-95.23	17.465	30.00	Pass

Band VIII straddle channel TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11be	MCS0	4	185	6875	Full	97.170	13.780	111.405	0.455	-95.23	16.175	30.00	Pass

Band VIII TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11be	MCS0	4	189	6895	Full	96.760	13.780	110.995	0.455	-95.23	15.765	30.00	Pass
11be	MCS0	4	209	6995	Full	92.600	13.780	106.835	0.455	-95.23	11.605	30.00	Pass
11be	MCS0	4	229	7095	Full	94.110	14.500	109.065	0.455	-95.23	13.835	30.00	Pass

E (dBuV/m) = Measured amplitude level (dBuV) + Path Loss (dB) + Duty Factor (dB)

EIRP (dBm) = E (dBuV/m) + 20log(d[m]) - 104.77

TEST RESULTS DATA
EIRP Power Spectral Density

Band V TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11be	MCS0	4	3	5965	Full	88.891	11.150	100.140	0.099	-95.23	4.910	5.00	Pass
11be	MCS0	4	51	6205	Full	88.628	11.470	100.197	0.099	-95.23	4.967	5.00	Pass
11be	MCS0	4	91	6405	Full	87.907	12.190	100.196	0.099	-95.23	4.966	5.00	Pass

Band VI TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11be	MCS0	4	99	6445	Full	87.544	12.490	100.133	0.099	-95.23	4.903	5.00	Pass
11be	MCS0	4	107	6485	Full	87.081	12.750	99.930	0.099	-95.23	4.700	5.00	Pass
11be	MCS0	4	115	6525	Full	86.866	13.030	99.995	0.099	-95.23	4.765	5.00	Pass

Band VII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11be	MCS0	4	123	6565	Full	86.648	13.350	100.097	0.099	-95.23	4.867	5.00	Pass
11be	MCS0	4	147	6685	Full	86.363	13.690	100.152	0.099	-95.23	4.922	5.00	Pass
11be	MCS0	4	179	6845	Full	86.369	13.610	100.078	0.099	-95.23	4.848	5.00	Pass

Band VIII straddle channel TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11be	MCS0	4	187	6885	Full	86.184	13.710	99.993	0.099	-95.23	4.763	5.00	Pass

Band VIII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11be	MCS0	4	195	6925	Full	86.210	13.850	100.159	0.099	-95.23	4.929	5.00	Pass
11be	MCS0	4	211	7005	Full	86.286	13.770	100.155	0.099	-95.23	4.925	5.00	Pass
11be	MCS0	4	227	7085	Full	85.594	14.500	100.193	0.099	-95.23	4.963	5.00	Pass

E (dBuV/m) = Measured amplitude level (dBuV) + Path Loss (dB) + Duty Factor (dB)

EIRP (dBm) = E (dBuV/m) + 20log(d[m]) - 104.77

TEST RESULTS DATA
EIRP Power

Band V TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11be	MCS0	4	3	5965	Full	99.830	11.150	111.079	0.099	-95.23	15.849	30.00	Pass
11be	MCS0	4	51	6205	Full	102.300	11.470	113.869	0.099	-95.23	18.639	30.00	Pass
11be	MCS0	4	91	6405	Full	99.300	12.190	111.589	0.099	-95.23	16.359	30.00	Pass

Band VI TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11be	MCS0	4	99	6445	Full	100.900	12.490	113.489	0.099	-95.23	18.259	30.00	Pass
11be	MCS0	4	107	6485	Full	98.500	12.750	111.349	0.099	-95.23	16.119	30.00	Pass
11be	MCS0	4	115	6525	Full	100.300	13.030	113.429	0.099	-95.23	18.199	30.00	Pass

Band VII TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11be	MCS0	4	123	6565	Full	96.680	13.350	110.129	0.099	-95.23	14.899	30.00	Pass
11be	MCS0	4	147	6685	Full	98.520	13.690	112.309	0.099	-95.23	17.079	30.00	Pass
11be	MCS0	4	179	6845	Full	99.870	13.610	113.579	0.099	-95.23	18.349	30.00	Pass

Band VIII straddle channel TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11be	MCS0	4	187	6885	Full	99.140	13.710	112.949	0.099	-95.23	17.719	30.00	Pass

Band VIII TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11be	MCS0	4	195	6925	Full	99.490	13.850	113.439	0.099	-95.23	18.209	30.00	Pass
11be	MCS0	4	211	7005	Full	100.200	13.770	114.069	0.099	-95.23	18.839	30.00	Pass
11be	MCS0	4	227	7085	Full	98.970	14.500	113.569	0.099	-95.23	18.339	30.00	Pass

E (dBuV/m) = Measured amplitude level (dBuV) + Path Loss (dB) + Duty Factor (dB)

EIRP (dBm) = E (dBuV/m) + 20log(d[m]) - 104.77

TEST RESULTS DATA
EIRP Power Spectral Density

Band V TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11be	MCS0	4	7	5985	Full	88.152	11.220	99.478	0.106	-95.23	4.248	5.00	Pass
11be	MCS0	4	55	6225	Full	88.301	11.750	100.157	0.106	-95.23	4.927	5.00	Pass
11be	MCS0	4	87	6385	Full	87.772	12.300	100.178	0.106	-95.23	4.948	5.00	Pass

Band VI TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11be	MCS0	4	103	6465	Full	87.471	12.640	100.217	0.106	-95.23	4.987	5.00	Pass
11be	MCS0	4	119	6545	Full	86.795	13.280	100.181	0.106	-95.23	4.951	5.00	Pass

Band VII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11be	MCS0	4	135	6625	Full	86.539	13.460	100.105	0.106	-95.23	4.875	5.00	Pass
11be	MCS0	4	151	6705	Full	86.318	13.740	100.164	0.106	-95.23	4.934	5.00	Pass
11be	MCS0	4	167	6785	Full	86.322	13.640	100.068	0.106	-95.23	4.838	5.00	Pass

Band VIII straddle channel TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11be	MCS0	4	183	6865	Full	86.253	13.620	99.979	0.106	-95.23	4.749	5.00	Pass

Band VIII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11be	MCS0	4	199	6945	Full	86.085	13.840	100.031	0.106	-95.23	4.801	5.00	Pass
11be	MCS0	4	215	7025	Full	86.166	13.910	100.182	0.106	-95.23	4.952	5.00	Pass

E (dBuV/m) = Measured amplitude level (dBuV) + Path Loss (dB) + Duty Factor (dB)

EIRP (dBm) = E (dBuV/m) + 20log(d[m]) - 104.77

TEST RESULTS DATA
EIRP Power

Band V TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11be	MCS0	4	7	5985	Full	103.400	11.220	114.726	0.106	-95.23	19.496	30.00	Pass
11be	MCS0	4	55	6225	Full	102.000	11.750	113.856	0.106	-95.23	18.626	30.00	Pass
11be	MCS0	4	87	6385	Full	102.100	12.300	114.506	0.106	-95.23	19.276	30.00	Pass

Band VI TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11be	MCS0	4	103	6465	Full	102.700	12.640	115.446	0.106	-95.23	20.216	30.00	Pass
11be	MCS0	4	119	6545	Full	101.900	13.280	115.286	0.106	-95.23	20.056	30.00	Pass

Band VII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11be	MCS0	4	135	6625	Full	100.800	13.460	114.366	0.106	-95.23	19.136	30.00	Pass
11be	MCS0	4	151	6705	Full	100.100	13.740	113.946	0.106	-95.23	18.716	30.00	Pass
11be	MCS0	4	167	6785	Full	99.930	13.640	113.676	0.106	-95.23	18.446	30.00	Pass

Band VIII straddle channel TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11be	MCS0	4	183	6865	Full	101.800	13.620	115.526	0.106	-95.23	20.296	30.00	Pass

Band VIII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11be	MCS0	4	199	6945	Full	100.300	13.840	114.246	0.106	-95.23	19.016	30.00	Pass
11be	MCS0	4	215	7025	Full	101.600	13.910	115.616	0.106	-95.23	20.386	30.00	Pass

E (dBuV/m) = Measured amplitude level (dBuV) + Path Loss (dB) + Duty Factor (dB)

EIRP (dBm) = E (dBuV/m) + 20log(d[m]) - 104.77

TEST RESULTS DATA
EIRP Power Spectral Density

Band V TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11be	MCS0	4	15	6025	Full	88.860	11.170	100.115	0.085	-95.23	4.885	5.00	Pass
11be	MCS0	4	47	6185	Full	88.662	11.350	100.097	0.085	-95.23	4.867	5.00	Pass
11be	MCS0	4	79	6345	Full	88.301	11.830	100.216	0.085	-95.23	4.986	5.00	Pass

Band VI TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11be	MCS0	4	111	6505	Full	86.787	12.470	99.342	0.085	-95.23	4.112	5.00	Pass

Band VII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11be	MCS0	4	143	6665	Full	85.906	13.770	99.761	0.085	-95.23	4.531	5.00	Pass
11be	MCS0	4	175	6825	Full	86.297	13.780	100.162	0.085	-95.23	4.932	5.00	Pass

Band VIII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11be	MCS0	4	207	6985	Full	86.043	13.840	99.968	0.085	-95.23	4.738	5.00	Pass

$E \text{ (dBuV/m)} = \text{Measured amplitude level (dBuV)} + \text{Path Loss (dB)} + \text{Duty Factor (dB)}$

$EIRP \text{ (dBm)} = E \text{ (dBuV/m)} + 20\log(d[m]) - 104.77$

TEST RESULTS DATA
EIRP Power

Band V TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11be	MCS0	4	15	6025	Full	107.100	11.170	118.355	0.085	-95.23	23.125	30.00	Pass
11be	MCS0	4	47	6185	Full	104.800	11.350	116.235	0.085	-95.23	21.005	30.00	Pass
11be	MCS0	4	79	6345	Full	105.000	11.830	116.915	0.085	-95.23	21.685	30.00	Pass

Band VI TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11be	MCS0	4	111	6505	Full	104.600	12.470	117.155	0.085	-95.23	21.925	30.00	Pass

Band VII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11be	MCS0	4	143	6665	Full	105.500	13.770	119.355	0.085	-95.23	24.125	30.00	Pass
11be	MCS0	4	175	6825	Full	103.000	13.780	116.865	0.085	-95.23	21.635	30.00	Pass

Band VIII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11be	MCS0	4	207	6985	Full	103.400	13.840	117.325	0.085	-95.23	22.095	30.00	Pass

E (dBuV/m) = Measured amplitude level (dBuV) + Path Loss (dB) + Duty Factor (dB)

EIRP (dBm) = E (dBuV/m) + 20log(d[m]) - 104.77

TEST RESULTS DATA
EIRP Power Spectral Density

Band V TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11be	MCS0	4	31	6105	Full	88.071	11.760	100.161	0.330	-95.23	4.931	5.00	Pass
11be	MCS0	4	63	6265	Full	87.854	11.760	99.944	0.330	-95.23	4.714	5.00	Pass

Band VI TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11be	MCS0	4	95	6425	Full	86.888	12.710	99.928	0.330	-95.23	4.698	5.00	Pass

Band VII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11be	MCS0	4	127	6585	Full	86.298	13.520	100.148	0.330	-95.23	4.918	5.00	Pass
11be	MCS0	4	159	6745	Full	86.073	13.620	100.023	0.330	-95.23	4.793	5.00	Pass

Band VIII TXBF_4T1S													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
11be	MCS0	4	191	6905	Full	84.945	13.750	99.025	0.330	-95.23	3.795	5.00	Pass

E (dBuV/m) = Measured amplitude level (dBuV) + Path Loss (dB) + Duty Factor (dB)

EIRP (dBm) = E (dBuV/m) + 20log(d[m]) - 104.77

TEST RESULTS DATA
EIRP Power

Band V TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11be	MCS0	4	31	6105	Full	105.300	11.760	117.390	0.330	-95.23	22.160	30.00	Pass
11be	MCS0	4	63	6265	Full	105.800	11.760	117.890	0.330	-95.23	22.660	30.00	Pass

Band VI TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11be	MCS0	4	95	6425	Full	106.000	12.710	119.040	0.330	-95.23	23.810	30.00	Pass

Band VII TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11be	MCS0	4	127	6585	Full	105.500	13.520	119.350	0.330	-95.23	24.120	30.00	Pass
11be	MCS0	4	159	6745	Full	103.800	13.620	117.750	0.330	-95.23	22.520	30.00	Pass

Band VIII TXBF_4T1S													
Mod.	Data Rate	NT	CH.	Freq. (MHz)	RU Tone	Reading Field Strength (dBuV)	Path Loss (dB)	Level Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)	Pass /Fail
11be	MCS0	4	191	6905	Full	104.400	13.750	118.480	0.330	-95.23	23.250	30.00	Pass

E (dBuV/m) = Measured amplitude level (dBuV) + Path Loss (dB) + Duty Factor (dB)

EIRP (dBm) = E (dBuV/m) + 20log(d[m]) - 104.77

Report Number : FR612627F

<TXBF Mode> <NSS=1>

Test Engineer:	Derek Hsu	Temperature:	21~25	°C
Test Date:	2026/4/27~2026/05/15	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-5 MIMO														
Mod.	Data Rate	NTx	Freq. (MHz)	RU Config	99% Bandwidth (MHz)				26 dB Bandwidth (MHz)				99% Bandwidth Limit (MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4		
EHT20	MCS0	4	5955	Full	19.28	19.46	19.27	19.28	21.78	21.86	21.82	22.19	320.00	Pass
EHT20	MCS0	4	6195	Full	19.60	19.23	19.20	19.31	21.88	21.83	22.00	21.79	320.00	Pass
EHT20	MCS0	4	6415	Full	19.32	19.41	19.15	19.17	22.02	21.78	21.88	21.80	320.00	Pass
EHT40	MCS0	4	5965	Full	37.97	38.25	38.04	37.53	41.52	41.31	40.99	41.23	320.00	Pass
EHT40	MCS0	4	6205	Full	38.42	37.48	38.08	36.83	41.73	40.72	41.10	40.72	320.00	Pass
EHT40	MCS0	4	6405	Full	37.60	37.58	37.96	38.29	40.91	41.04	40.98	41.04	320.00	Pass
EHT80	MCS0	4	5985	Full	76.94	77.73	77.81	76.99	82.27	82.69	83.46	83.90	320.00	Pass
EHT80	MCS0	4	6225	Full	77.08	78.58	78.53	76.54	82.59	84.22	83.87	82.18	320.00	Pass
EHT80	MCS0	4	6385	Full	76.89	77.43	76.43	78.33	82.75	83.55	82.50	84.38	320.00	Pass
EHT160	MCS0	4	6025	Full	156.22	155.43	155.53	155.86	163.73	162.38	163.97	164.35	320.00	Pass
EHT160	MCS0	4	6185	Full	155.52	155.22	156.38	156.11	163.49	163.06	164.59	163.73	320.00	Pass
EHT160	MCS0	4	6345	Full	156.66	155.64	155.04	156.35	163.82	163.20	162.91	164.59	320.00	Pass
EHT320	MCS0	4	6105	Full	311.88	313.86	313.92	312.82	326.59	328.32	328.80	328.99	320.00	Pass
EHT320	MCS0	4	6265	Full	314.32	311.93	313.66	315.46	327.17	328.42	327.17	331.10	320.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-6 MIMO														
Mod.	Data Rate	NTx	Freq. (MHz)	RU Config	99% Bandwidth (MHz)				26 dB Bandwidth (MHz)				99% Bandwidth Limit (MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4		
EHT20	MCS0	4	6435	Full	19.56	18.77	19.06	19.59	22.19	21.19	21.92	21.80	320.00	Pass
EHT20	MCS0	4	6475	Full	19.49	19.29	19.09	19.47	21.75	22.01	21.91	21.17	320.00	Pass
EHT20	MCS0	4	6515	Full	19.49	19.09	19.19	19.39	21.82	21.72	21.92	21.85	320.00	Pass
EHT40	MCS0	4	6445	Full	37.77	37.83	37.86	38.01	40.58	41.18	41.38	40.94	320.00	Pass
EHT40	MCS0	4	6485	Full	37.33	38.33	37.83	38.05	40.98	41.47	40.96	41.18	320.00	Pass
EHT80	MCS0	4	6465	Full	77.10	76.86	76.20	78.04	82.56	82.69	82.14	83.49	320.00	Pass

U-NII-6 straddle channel MIMO														
Mod.	Data Rate	NTx	Freq. (MHz)	RU Config	99% Bandwidth (MHz)				26 dB Bandwidth (MHz)				99% Bandwidth Limit (MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4		
EHT40	MCS0	4	6525	Full	37.29	37.43	38.19	38.08	40.61	40.82	41.26	41.36	320.00	Pass
EHT80	MCS0	4	6545	Full	75.83	78.10	77.22	76.93	82.82	83.62	83.46	82.75	320.00	Pass
EHT160	MCS0	4	6505	Full	156.10	156.11	154.90	155.78	163.39	163.34	162.67	163.15	320.00	Pass
EHT320	MCS0	4	6425	Full	313.91	317.79	314.24	314.36	328.13	331.10	328.13	329.86	320.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 MIMO														
Mod.	Data Rate	NTx	Freq. (MHz)	RU Config	99% Bandwidth (MHz)				26 dB Bandwidth (MHz)				99% Bandwidth Limit (MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4		
EHT20	MCS0	4	6535	Full	19.56	19.46	18.99	18.98	21.74	21.82	21.82	21.90	320.00	Pass
EHT20	MCS0	4	6695	Full	19.38	19.05	19.30	19.36	21.67	21.85	21.97	22.05	320.00	Pass
EHT20	MCS0	4	6855	Full	19.13	19.28	19.61	19.09	21.53	21.80	22.23	21.86	320.00	Pass
EHT40	MCS0	4	6565	Full	38.15	37.56	37.79	37.86	41.39	41.04	41.14	41.14	320.00	Pass
EHT40	MCS0	4	6685	Full	36.93	37.91	37.94	38.06	40.37	40.96	41.44	41.52	320.00	Pass
EHT40	MCS0	4	6845	Full	37.73	38.01	37.59	37.73	40.56	41.09	41.26	41.41	320.00	Pass
EHT80	MCS0	4	6625	Full	78.01	77.53	76.59	77.86	82.78	83.23	82.62	83.87	320.00	Pass
EHT80	MCS0	4	6705	Full	77.00	77.85	76.76	77.70	82.43	82.53	82.56	83.62	320.00	Pass
EHT80	MCS0	4	6785	Full	77.44	78.62	77.23	77.05	82.91	83.36	82.94	83.46	320.00	Pass
EHT160	MCS0	4	6665	Full	156.70	156.78	155.88	155.89	162.34	164.93	163.78	164.06	320.00	Pass

U-NII-7 straddle channel MIMO														
Mod.	Data Rate	NTx	Freq. (MHz)	RU Config	99% Bandwidth (MHz)				26 dB Bandwidth (MHz)				99% Bandwidth Limit (MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4		
EHT20	MCS0	4	6875	Full	18.47	19.61	19.29	19.54	21.58	21.88	21.66	21.94	320.00	Pass
EHT40	MCS0	4	6885	Full	37.24	38.15	38.42	37.90	40.62	41.44	41.33	41.44	320.00	Pass
EHT80	MCS0	4	6865	Full	76.66	77.87	77.86	76.85	82.53	83.07	83.87	82.34	320.00	Pass
EHT160	MCS0	4	6825	Full	154.66	157.66	155.71	155.53	162.10	165.17	164.02	164.21	320.00	Pass
EHT320	MCS0	4	6585	Full	314.87	314.57	314.02	315.29	329.28	328.51	329.86	330.53	320.00	Pass
EHT320	MCS0	4	6745	Full	313.88	316.23	316.25	314.02	330.14	330.05	330.14	328.32	320.00	Pass

TEST RESULTS DATA
26dB EBW and 99% OBW

U-NII-8 MIMO														
Mod.	Data Rate	N _{TX}	Freq. (MHz)	RU Config	99% Bandwidth (MHz)				26 dB Bandwidth (MHz)				99% Bandwidth Limit (MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4		
EHT20	MCS0	4	6895	Full	19.60	19.27	19.34	18.82	21.90	21.78	21.94	21.77	320.00	Pass
EHT20	MCS0	4	6995	Full	19.24	19.74	19.19	19.15	21.91	22.10	21.95	21.84	320.00	Pass
EHT20	MCS0	4	7095	Full	19.16	19.23	19.47	19.46	21.94	21.54	22.03	22.21	320.00	Pass
EHT40	MCS0	4	6925	Full	37.27	37.88	38.30	37.86	40.72	41.15	41.26	41.39	320.00	Pass
EHT40	MCS0	4	7005	Full	37.58	38.22	37.92	38.05	40.91	41.25	40.91	41.36	320.00	Pass
EHT40	MCS0	4	7085	Full	37.96	38.27	37.55	37.37	41.57	41.46	40.98	40.91	320.00	Pass
EHT80	MCS0	4	6945	Full	76.91	77.82	78.06	76.59	82.05	83.58	83.42	83.33	320.00	Pass
EHT80	MCS0	4	7025	Full	76.66	77.70	77.14	77.75	82.94	83.55	82.78	83.17	320.00	Pass
EHT160	MCS0	4	6985	Full	155.65	156.33	155.79	156.54	164.11	163.87	164.16	163.20	320.00	Pass

U-NII-8 MIMO														
Mod.	Data Rate	NTx	Freq. (MHz)	RU Config	99% Bandwidth (MHz)				26 dB Bandwidth (MHz)				99% Bandwidth Limit (MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4		
EHT320	MCS0	4	6905	Full	317.17	317.04	312.04	313.21	331.10	330.62	327.17	329.47	320.00	Pass

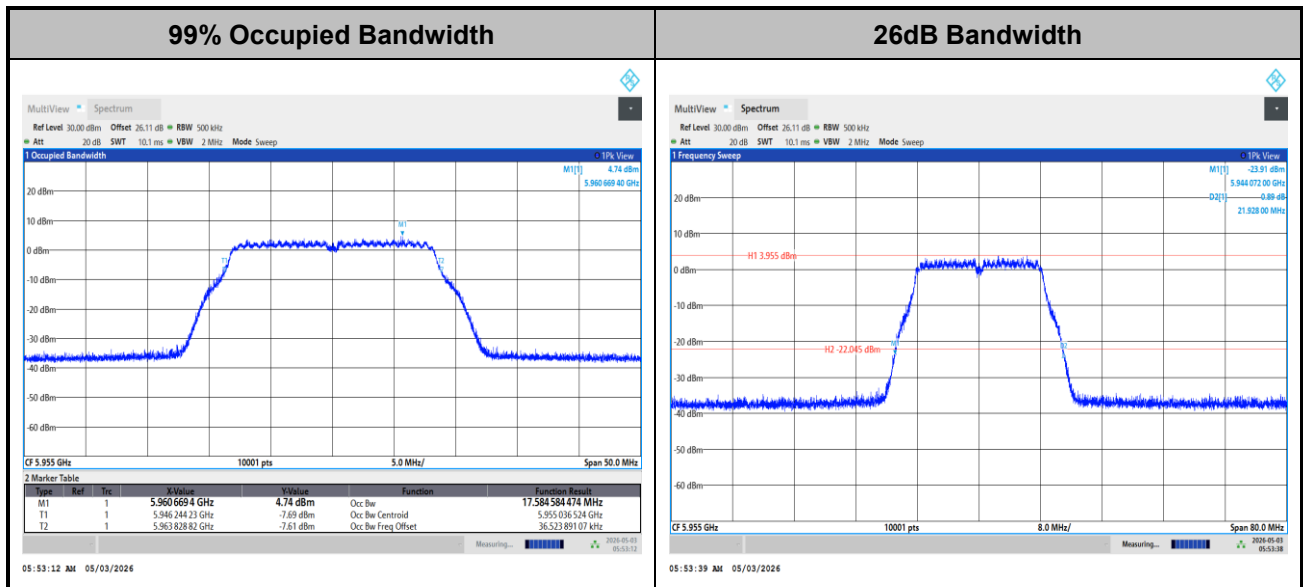


<SDM Mode> <NSS=4>

Test Result of 26dB & 99% Occupied Bandwidth

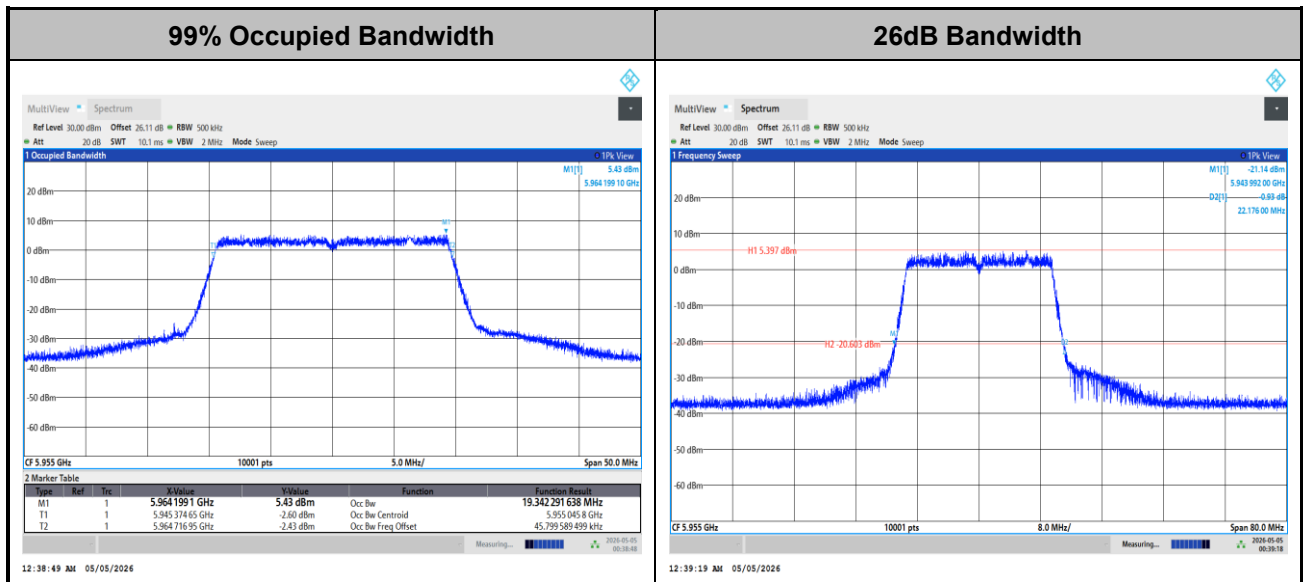
MIMO <Ant. 1+2+3+4>

<802.11a>



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

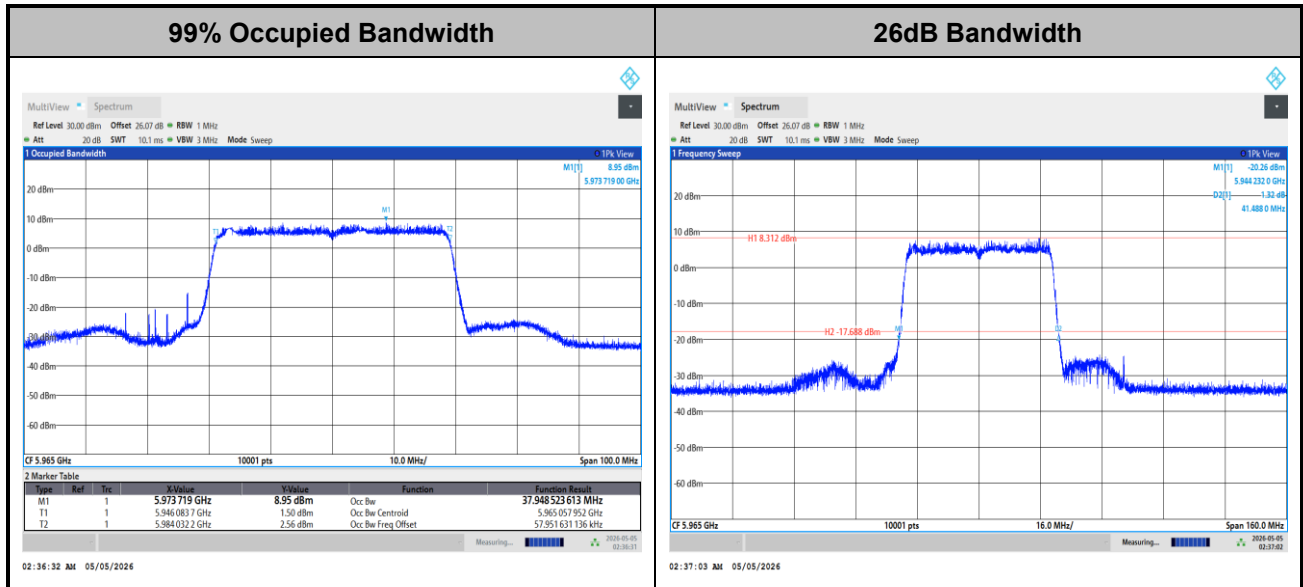
<802.11be EHT20>



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

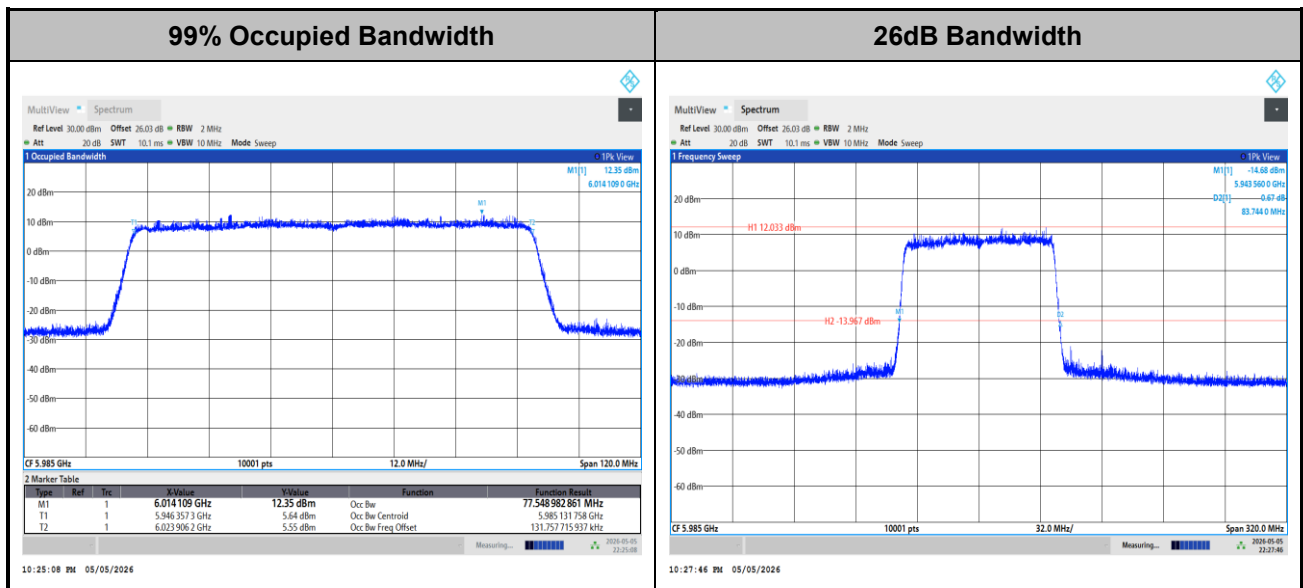


<802.11be EHT40>



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

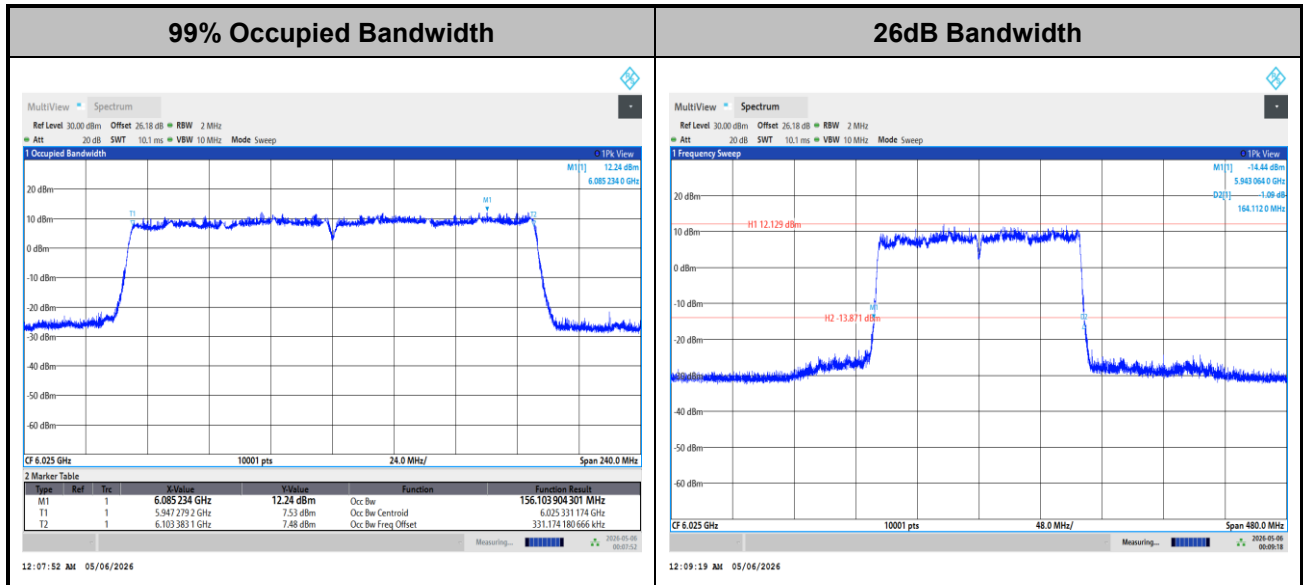
<802.11be EHT80>



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

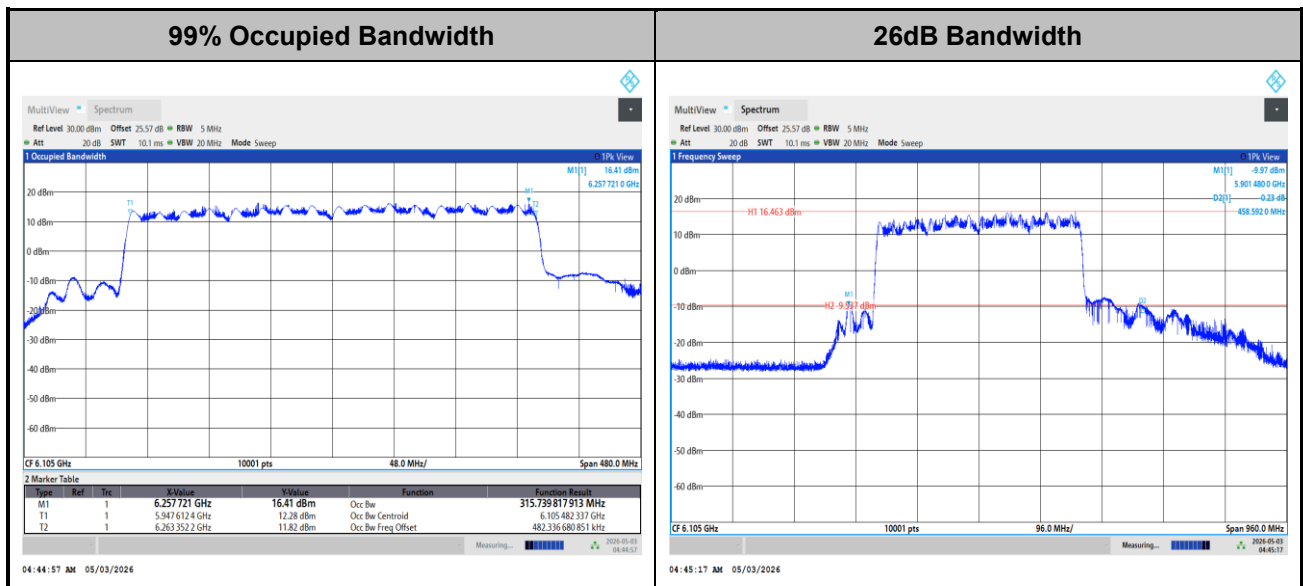


<802.11be EHT160>



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

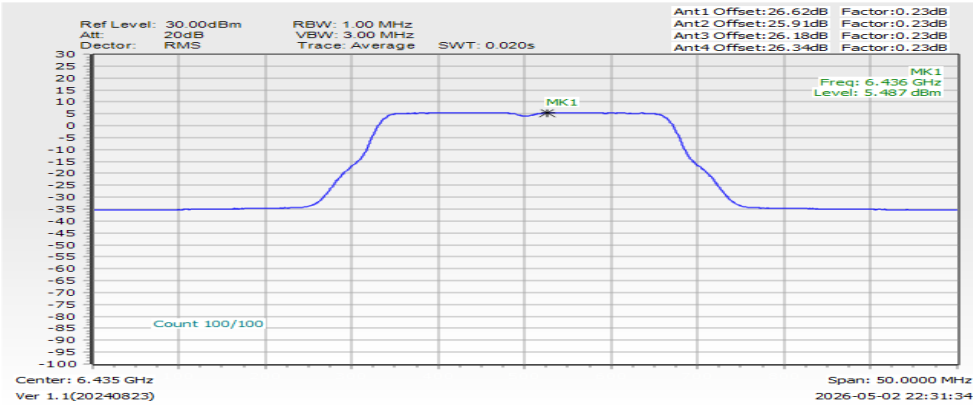
<802.11be EHT320>



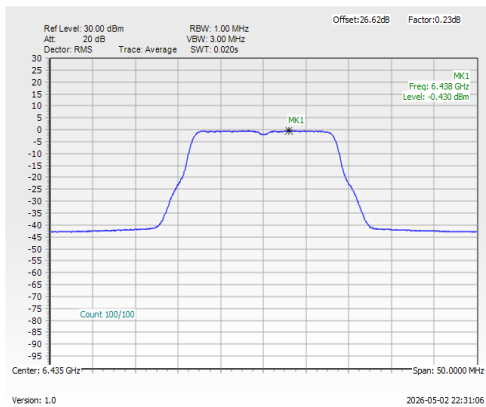
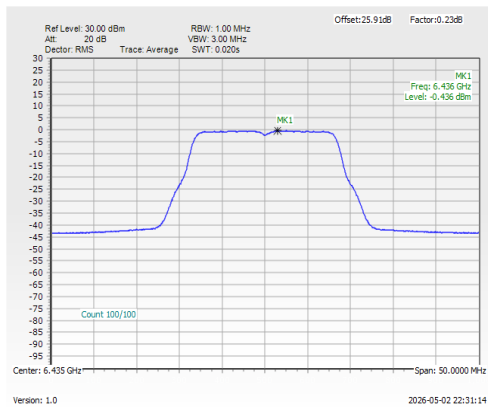
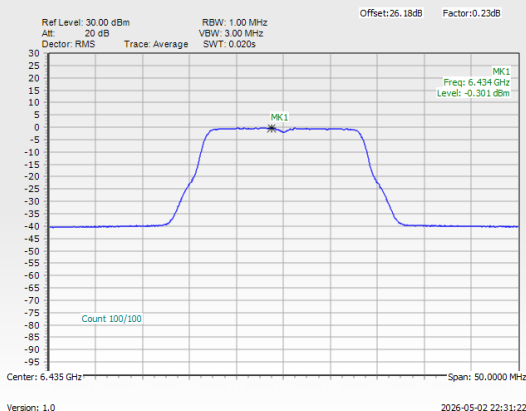
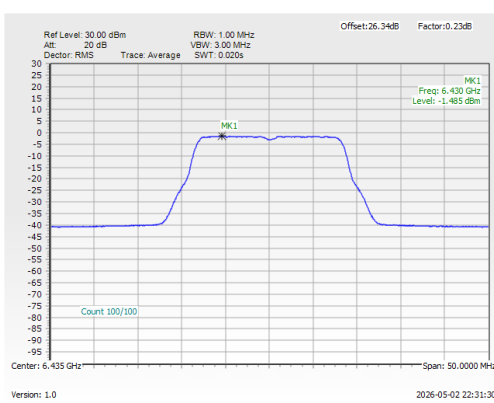
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

**Test Result of Power Spectral Density**

<802.11a>

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

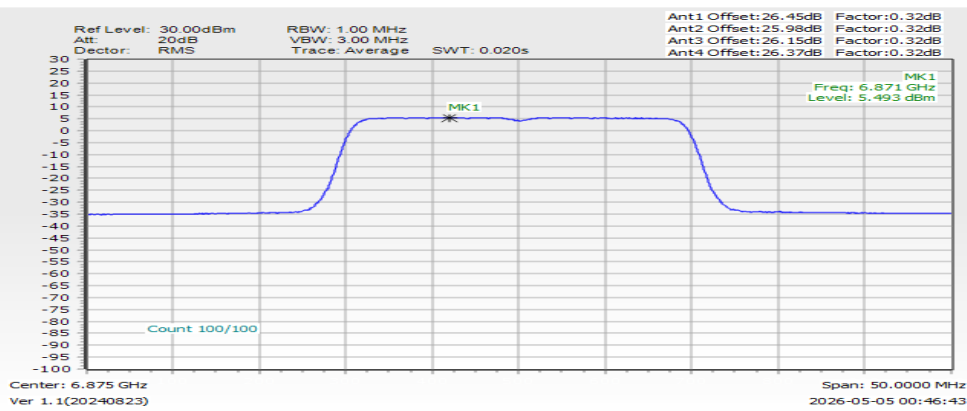
- 1.EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
- 2.The test plot is showing a bin by bin combined result mathematically adds all traces.

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



<802.11be EHT20>

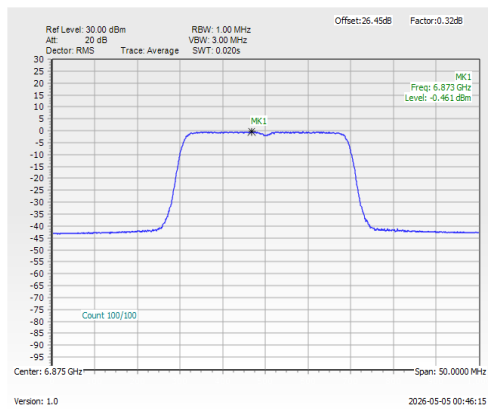
Maximum Power Density Plot (dBm/MHz)



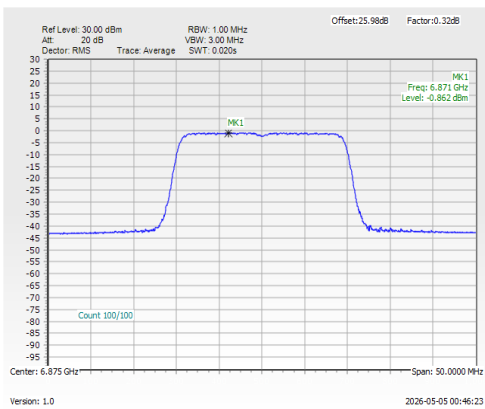
Note:

- 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 all traces.

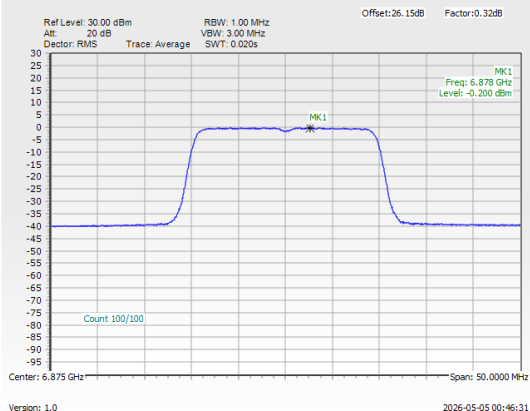
Power Density Plot Trace 1 (Ant 1)



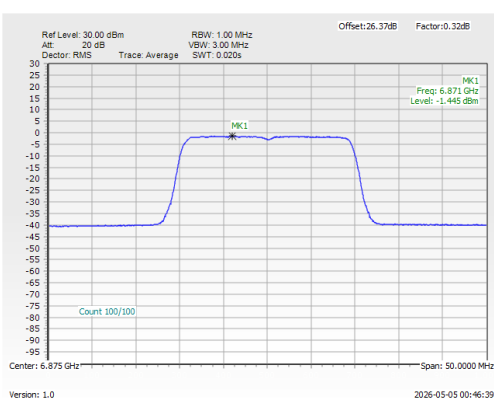
Power Density Plot Trace 2 (Ant 2)



Power Density Plot Trace 3 (Ant 3)



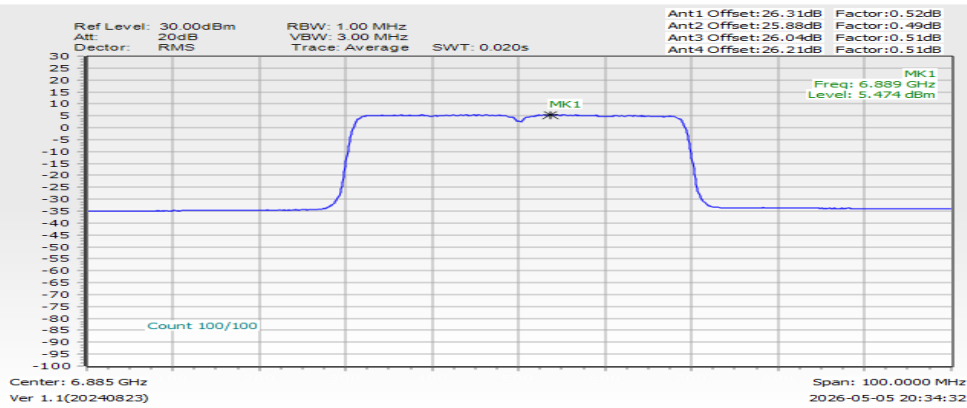
Power Density Plot Trace 4 (Ant 4)





<802.11be EHT40>

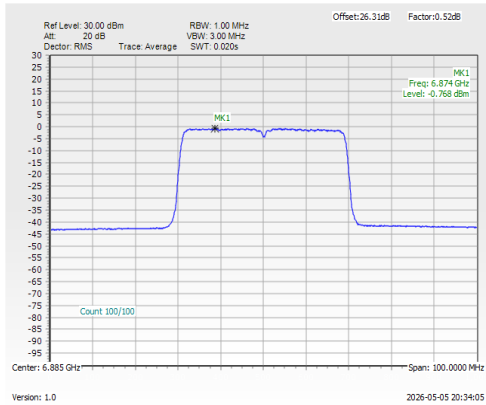
Maximum Power Density Plot (dBm/MHz)



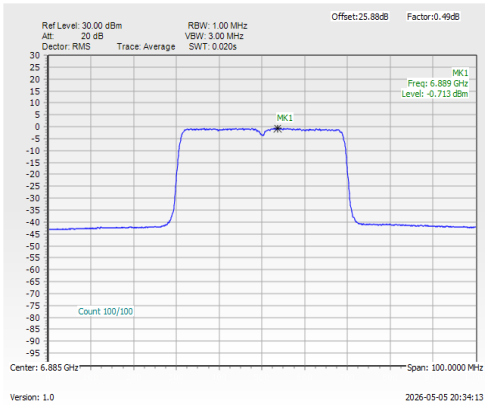
Note:

- 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 all traces.

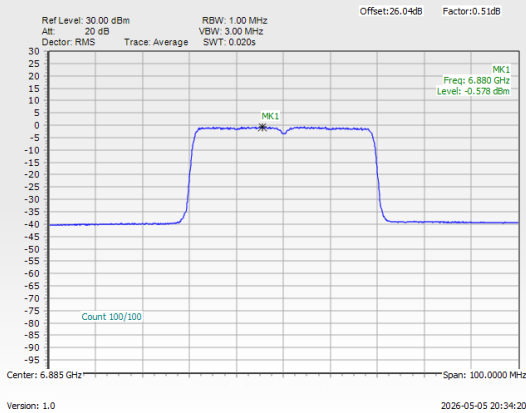
Power Density Plot Trace 1 (Ant 1)



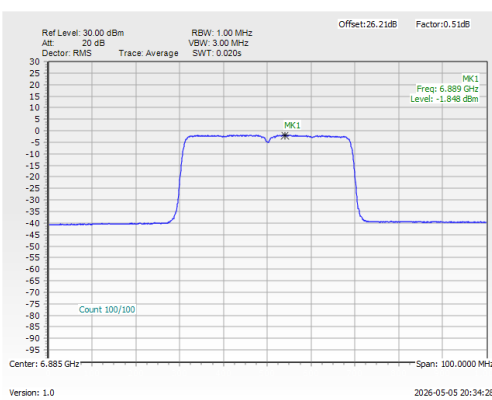
Power Density Plot Trace 2 (Ant 2)



Power Density Plot Trace 3 (Ant 3)



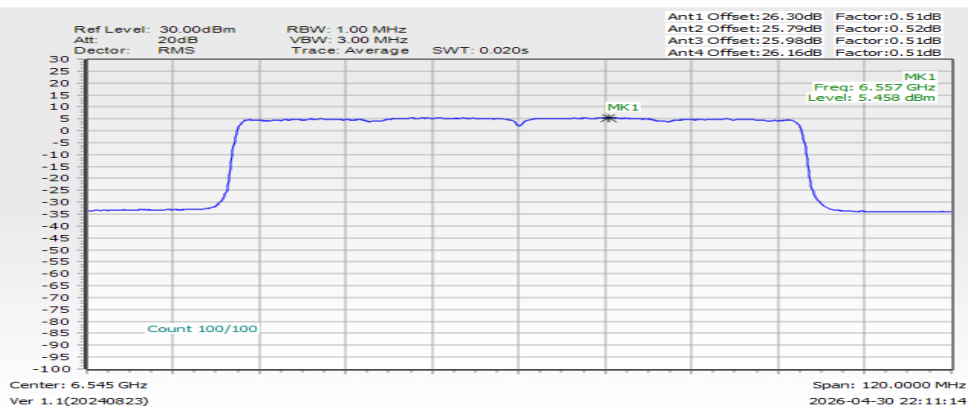
Power Density Plot Trace 4 (Ant 4)





<802.11be EHT80>

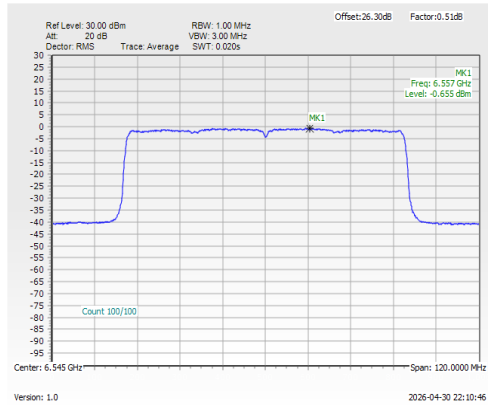
Maximum Power Density Plot (dBm/MHz)



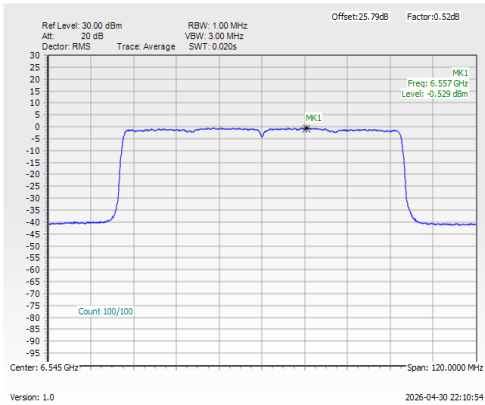
Note:

- 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 all traces.

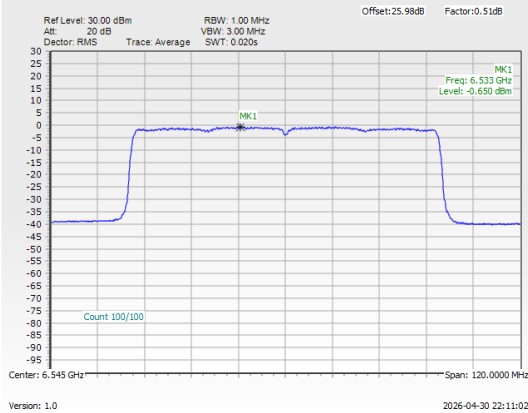
Power Density Plot Trace 1 (Ant 1)



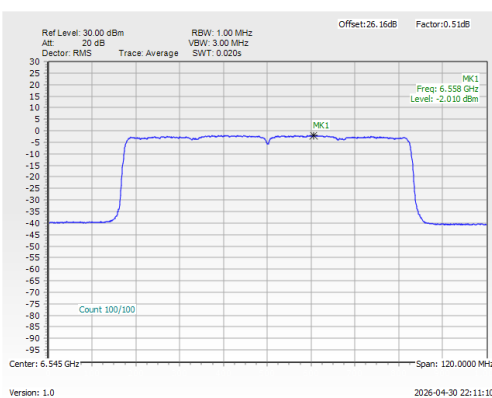
Power Density Plot Trace 2 (Ant 2)



Power Density Plot Trace 3 (Ant 3)



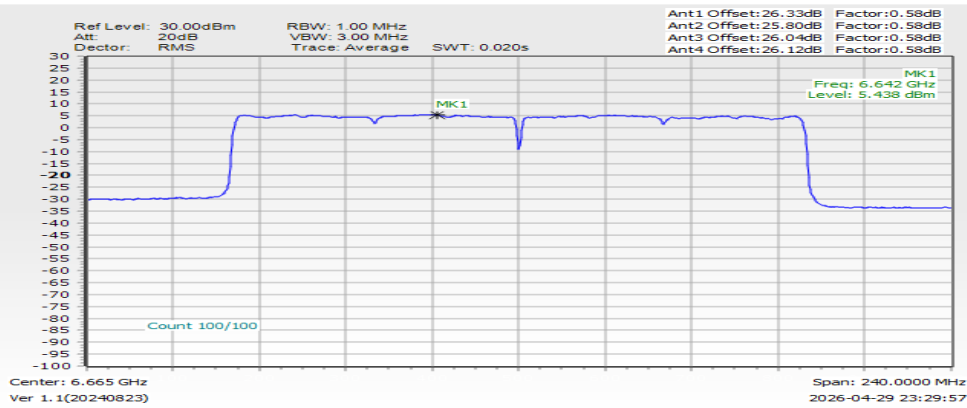
Power Density Plot Trace 4 (Ant 4)





<802.11be EHT160>

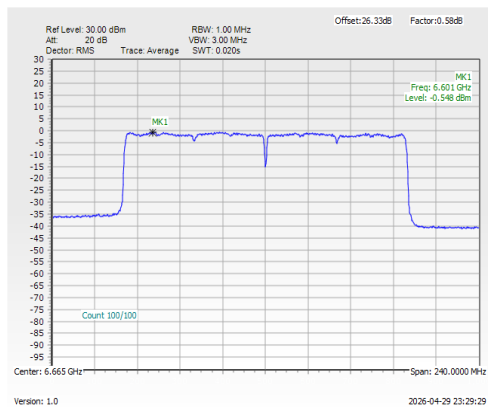
Maximum Power Density Plot (dBm/MHz)



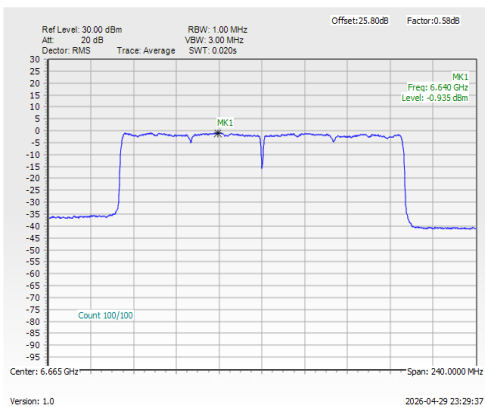
Note:

- 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 all traces.

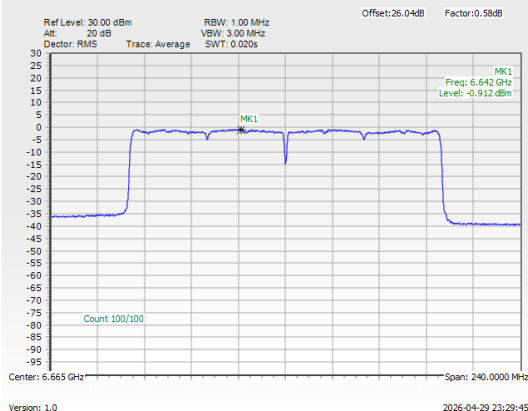
Power Density Plot Trace 1 (Ant 1)



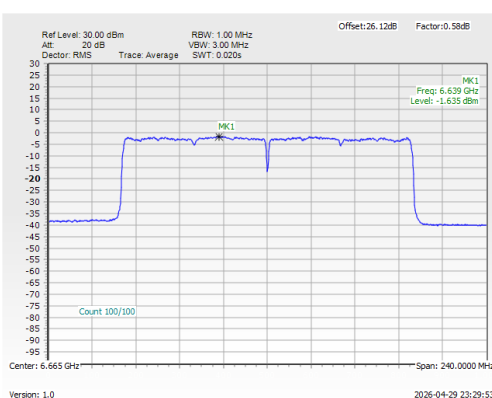
Power Density Plot Trace 2 (Ant 2)



Power Density Plot Trace 3 (Ant 3)



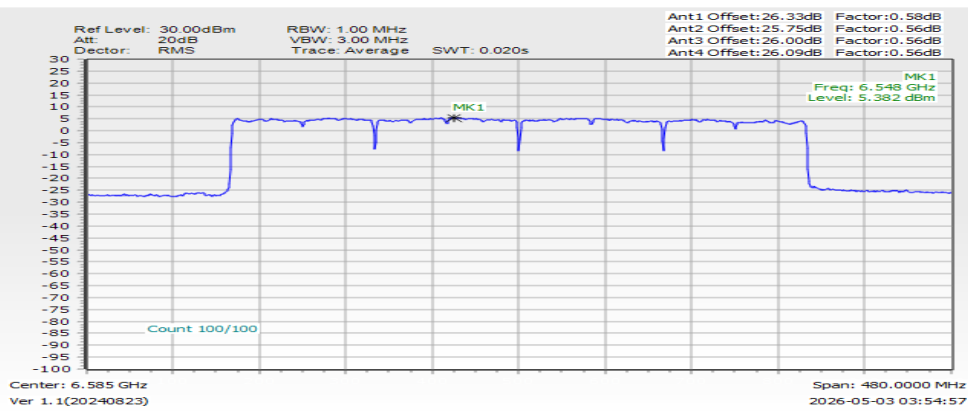
Power Density Plot Trace 4 (Ant 4)





<802.11be EHT320>

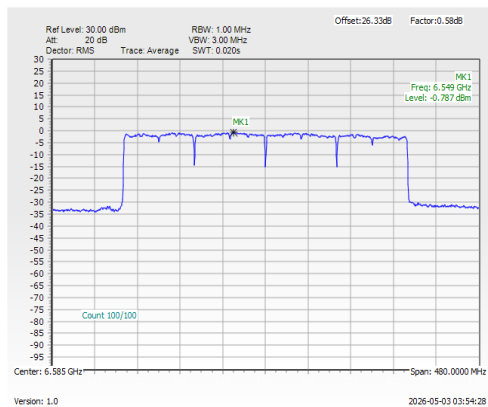
Maximum Power Density Plot (dBm/MHz)



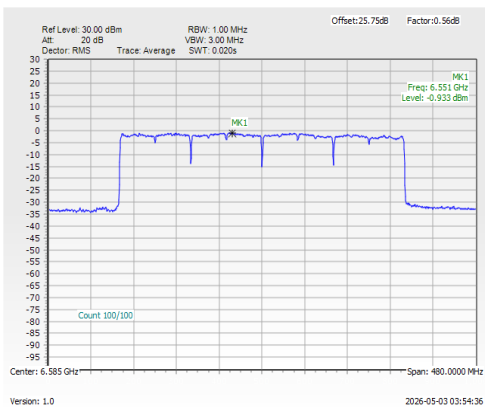
Note:

- 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 all traces.

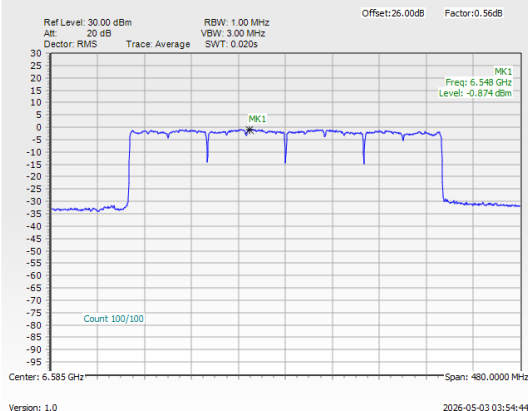
Power Density Plot Trace 1 (Ant 1)



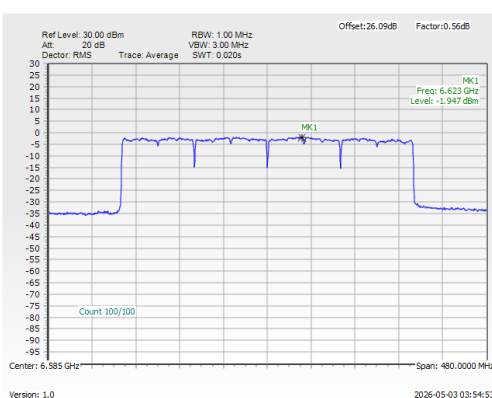
Power Density Plot Trace 2 (Ant 2)



Power Density Plot Trace 3 (Ant 3)



Power Density Plot Trace 4 (Ant 4)





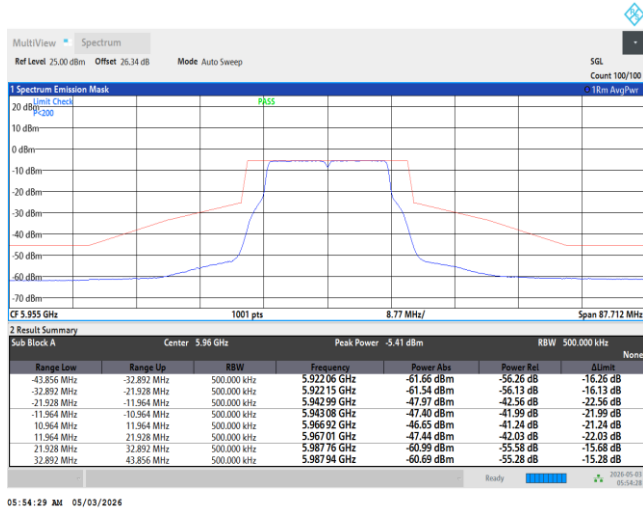
In-Band Emissions (Channel Mask)

MIMO <Ant. 1+2+3+4(Ant1)>

EUT Mode

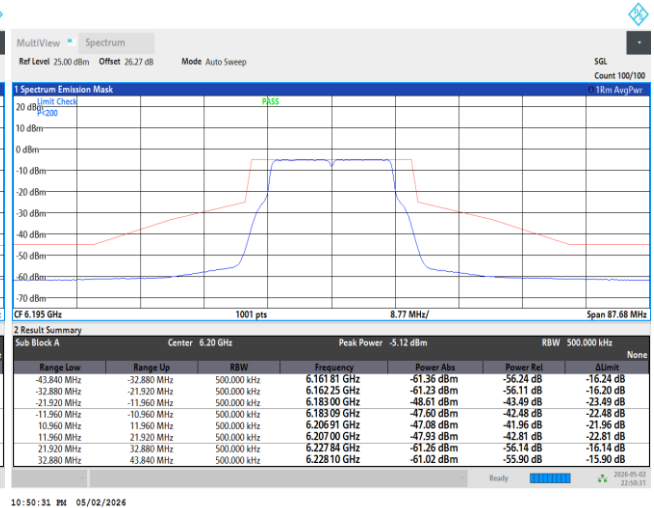
802.11a

Plot on 5955 MHz



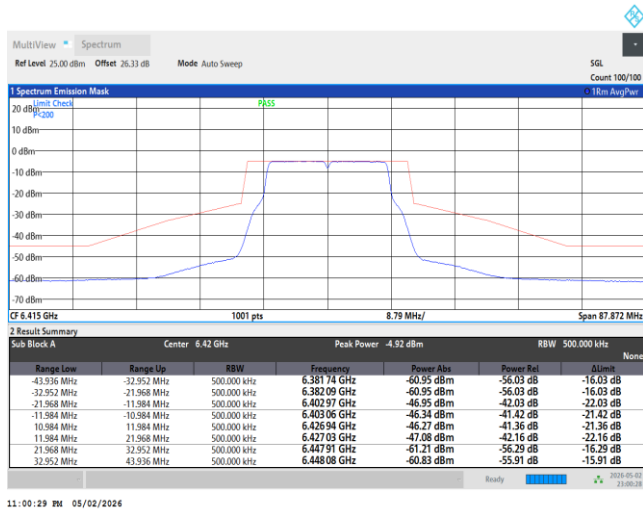
05:54:29 AM 05/02/2024

Plot on 6195 MHz



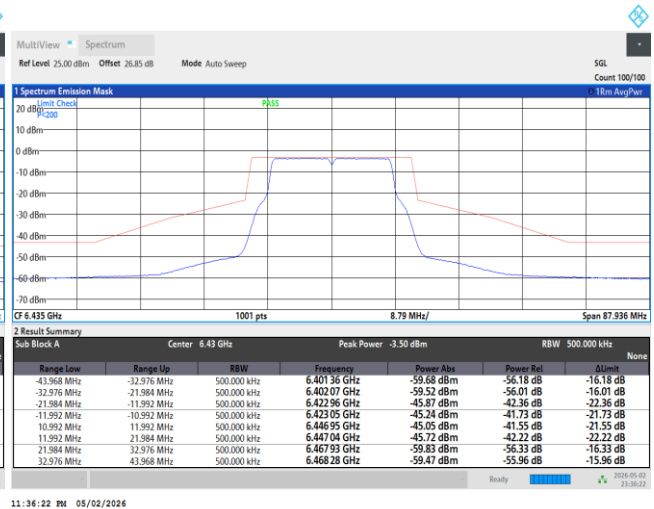
10:50:31 PM 05/02/2024

Plot on 6415 MHz



11:00:29 PM 05/02/2024

Plot on 6435 MHz



11:36:22 PM 05/02/2024