



FCC RF Test Report

FCC ID : UZ7ET4010A
EQUIPMENT : Enterprise Tablet
BRAND NAME : ZEBRA
MODEL NAME : ET4010A
APPLICANT : Zebra Technologies Corporation
3 Overlook Point, Lincolnshire, IL 60069 USA
MANUFACTURER : Zebra Technologies Corporation
3 Overlook Point, Lincolnshire, IL 60069 USA
STANDARD : FCC Part 15 Subpart E §15.407
CLASSIFICATION : 15E 6 GHZ Very Low Power Device(6VL)
TEST DATE(S) : Jul. 10, 2025 ~ Aug. 23, 2025

We, Sporton International Inc. (Kunshan), 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.

This report contains data that were produced under subcontract by Sporton International Inc. (ShenZhen)

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

Jason Jia

Approved by: Jason Jia



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People's Republic of China



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History of this test report

Report No.	Version	Description	Issued Date
FR551202H	01	Initial issue of report	Sep. 10, 2025

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.407(a)(11)	26dB Emission Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Pass	-
3.2	15.407(a)(9)	Maximum Conducted Output Power	Reporting only	-
3.2	15.407(a)(9)	Fundamental Maximum EIRP	Pass	-
3.3	15.407(a)(9)	Fundamental Power Spectral Density	Pass	2
3.4	15.407(b)(7)	In-Band Emissions (Channel Mask)	Pass	-
-	15.407(d)(6)	Contention Based Protocol	Pass	1
3.5	15.407(b)	Unwanted Emissions	Pass	Under limit 1.11 dB at 7125.010 MHz
3.6	15.207	AC Conducted Emission	Pass	Under limit 10.64 dB at 0.153 MHz
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

Remark:

- The device support VLP and Dual Client, the Very Low Power client and low power client share the same RF Path, the Contention Based Protocol have been demonstrated compliance in the Indoor low power test report which is issued separately (Report No. FR551202F).
- TPC test report is issued separately.

Conformity Assessment Condition:

- 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.
- The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty"

Disclaimer:

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



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Enterprise Tablet
Brand Name	ZEBRA
Model Name	ET4010A
FCC ID	UZ7ET4010A
SN Code	Conducted: 251305247E0010 for TH01-KS 251305247E0003 for TH01-SZ Conduction: 251505247E0046 Radiation: S251505247E0063 for Sample 1 S251505247E0029 for Sample 2
HW Version	EV1
SW Version	qssi_64-userdebug 15 15-07-16.00-VG-U00-PRD-ERS-04 210 release-keys
MFD	16JUL25
EUT Stage	Identical Prototype

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. There are two types of EUT: Sample 1 without Scanner and Sample 2 with Scanner. According to the difference, we chose sample 1 to perform full test and sample 2 to verify the worst cases.

Specification of Accessory				
Battery	Brand Name	Zebra	Model	BT-000527

Supported Unit used in test configuration and system				
AC Adapter 1 (TYPE C Wall Charger 1)	Brand Name	Zebra	Part Number	PWR-WUA5V45W1US
Earphone 1 (Wired headset USB-C)	Brand Name	Zebra	Part Number	HDST-USBC-PTT 1-01
Earphone 2 (Rugged Bluetooth Headset)	Brand Name	Zebra	Part Number	HS3100-0TH
Earphone 3 (3.5mm PTT Headset)	Brand Name	Zebra	Part Number	HDST-35MM-PTT 1-02
Earphone 4 (Rugged Headset)	Brand Name	Zebra	Part Number	HS2100-0TH
Earphone 5 (USB-C Wired Earbuds)	Brand Name	Avantree	Part Number	C171
Type C-Audio Cable (Type C to 3.5mm)	Brand Name	Zebra	Part Number	ADP-USBC-35MM1-01
3.5mm to 3.5mm audio connector	Brand Name	Zebra	Part Number	CBL-HS2100-3MS1-01
USB Cable 1 (USB-C to C Cable)	Brand Name	Zebra	Part Number	CBL-EC5X-USBC3A-01
USB Cable 2 (USB-A to C Cable)	Brand Name	Zebra	Part Number	CBL-TC5X-USBC2A-01
USB Cable 3 (USB-C to C Cable)	Brand Name	Zebra	Part Number	CBL-TN28-USBC2C-01

1.2 Product Specification of Equipment Under Test

Standards-related Product Specification			
Tx/Rx Frequency Range	U-NII-5: 5925 MHz ~ 6425 MHz U-NII-6: 6425 MHz ~ 6525 MHz U-NII-7: 6525 MHz ~ 6875 MHz U-NII-8: 6875 MHz ~ 7125 MHz		
Maximum EIRP	<MIMO Ant.6+7> 802.11a : 4.22 dBm / 0.0026 W 802.11ax HE20 : 7.84 dBm / 0.0061 W 802.11ax HE40 : 11.08 dBm / 0.0128 W 802.11ax HE80 : 13.91 dBm / 0.0246 W 802.11ax HE160 : 13.94 dBm / 0.0248 W 802.11be EHT20: 7.90 dBm / 0.0062 W 802.11be EHT40: 11.11 dBm / 0.0129 W 802.11be EHT80: 13.94 dBm / 0.0248 W 802.11be EHT160: 13.96 dBm / 0.0249 W 802.11be EHT320: 13.98 dBm / 0.0250 W		
99% Occupied Bandwidth	802.11a : 16.94 MHz 802.11be EHT20 : 19.08 MHz 802.11be EHT40 : 37.96 MHz 802.11be EHT80 : 77.35 MHz 802.11be EHT160 : 158.06 MHz 802.11be EHT320 : 316.93 MHz		
Antenna Type / Gain	<5925 MHz ~ 6425 MHz > <Ant. 6>: IFA Antenna with gain 0.2 dBi <Ant. 7>: IFA Antenna with gain -0.3 dBi <6425 MHz ~ 6525 MHz > <Ant. 6>: IFA Antenna with gain 0.6 dBi <Ant. 7>: IFA Antenna with gain -0.6 dBi <6525 MHz ~ 6875 MHz > <Ant. 6>: IFA Antenna with gain 0 dBi <Ant. 7>: IFA Antenna with gain -0.4 dBi <6875 MHz ~ 7125 MHz > <Ant. 6>: IFA Antenna with gain -0.5 dBi <Ant. 7>: IFA Antenna with gain -0.2 dBi		
Type of Modulation	802.11a: OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ax : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM) 802.11be : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM / 4096QAM)		
Antenna Function Description		Ant. 6	Ant. 7
	802.11 a/ax/be SISO	V	V
	802.11 a/ax/be CDD	V	
	802.11 ax/be SDM/TXBF	V	

Remark:

1. WIFI MIMO support CDD mode for 802.11a, and support CDD & SDM & TXBF mode for 802.11ax/be.
2. For WLAN SISO & MIMO(CDD) mode of 802.11a, the whole testing has assessed CDD mode by referring to the higher normal conducted power.

3. For WLAN SISO & MIMO(CDD) & MIMO(SDM) & MIMO(TXBF) mode of 802.11ax/be, SDM mode conducted power is set to 3dB higher than CDD/TXBF mode, since the maximum array gain for a two antennas system is 3dB, the whole testing has assessed SDM mode by referring to the higher output power.
4. For 802.11ax/be 20/40/80/160MHz mode, the whole testing has assessed only 802.11be EHT20/ EHT40/ EHT80/ EHT160MHz by referring to the higher output power.
5. 802.11ax/be support OFDMA full RU tone and partial RU tone, both full RU and partial RU-left (for low CH) and partial RU-right (for high CH) test output power/PSD/Channel Mask in appendix A, the full RU power/PSD > partial RU, therefore the full RU perform full test, and partial RU verify bandedge/spurious.
6. The device does not support UNII-5 CH 2.
7. The device supports 1S2T (CDD&TXBF) and 2S2T (SDM) mode; 1S2T: Nss=1, MIMO 2Tx; 2S2T: Nss=2, MIMO 2Tx.
8. 802.11be support small size RU, Large size RU and Puncturing modes as below, which is less than full RU conducted power, therefore have assessed only Power Density/RSE.

<Small size RU 52+26 Tone>:

Bandwidth	Tones		Index		For test modes configure
20MHz	26	52	1	38	1
20MHz	52	26	39	7	3

<Small size RU 106+26 Tone>:

Bandwidth	Tones		Index		For test modes configure
20MHz	106	26	53	4	1
20MHz	26	106	4	54	2

<Large size RU 484+242 tone> & <80M BW Puncturing 20MHz>:

Bandwidth	Tones		Index		For test modes configure
80MHz	242	484	62	66	1
80MHz	242	484	61	66	2
80MHz	484	242	65	64	3
80MHz	484	242	65	63	4

<Large size RU 996+484 tone> & <160M BW Puncturing 40MHz>:

Bandwidth	Tones		Index		For test modes configure
160MHz	484-Left	996-Right	66-Left	67-Right	1
160MHz	484-Left	996-Right	65-Left	67-Right	2
160MHz	996-Left	484-Right	67-Left	66-Right	3
160MHz	996-Left	484-Right	67-Left	65-Right	4

<160M BW Puncturing 20MHz>:

Bandwidth	Tones			Index			For test modes configure
160MHz	242-Left	484-Left	996-Right	62-Left	66-Left	67-Right	1
160MHz	242-Left	484-Left	996-Right	61-Left	66-Left	67-Right	2
160MHz	484-Left	242-Left	996-Right	65-Left	64-Left	67-Right	3
160MHz	484-Left	242-Left	996-Right	65-Left	63-Left	67-Right	4
160MHz	996-Left	242-Right	484-Right	67-Left	62-Right	66-Right	5
160MHz	996-Left	242-Right	484-Right	67-Left	61-Right	66-Right	6
160MHz	996-Left	484-Right	242-Right	67-Left	65-Right	64-Right	7
160MHz	996-Left	484-Right	242-Right	67-Left	65-Right	63-Right	8

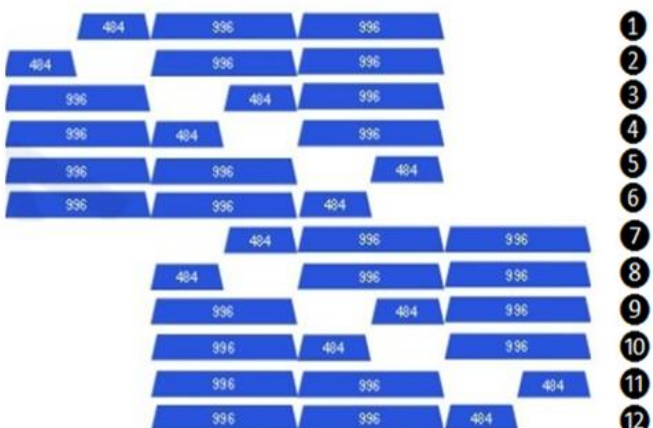
<Large size RU 3*996 tone> & <320M BW Puncturing 80MHz>:

Bandwidth	Tones	Index	For test modes configure
320MHz			1
			2
			3
			4

<Large size RU 3*996+484 tone> & <320M BW Puncturing 40MHz>:

Bandwidth	Tones	Index	For test modes configure
320MHz			1
			2
			3
			4
			5
			6
			7
			8

<Large size RU 2*996+484 tone> & <320M BW Puncturing 80+40MHz>:

Bandwidth	Tones	Index	For test modes configure
320MHz		1	1
		2	2
		3	3
		4	4
		5	5
		6	6
		7	7
		8	8
		9	9
		10	10
		11	11
		12	12

Only the worse cases are shown in this report.

1.3 Modification of EUT

No modifications are made to the EUT during all test items.

1.4 Testing Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	CO01-KS 03CH03-KS TH01-KS DFS01-KS	CN1257	314309



Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-SZ	CN1256	421272

Note: Test data subcontracted: Conducted test case in section 3.1/3.4/3.5 of this report

1.5 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH03-KS	AUDIX	E3	6.2009-8-24a1
2.	CO01-KS	AUDIX	E3	6.2009-8-24

1.6 Applicable Standards

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

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

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X plane) were recorded in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

<U-NII-5, 6, 7, 8>

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

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



BW 20M	Channel	65	69	73	77	81	85	89	93
	Freq. (MHz)	6275	6295	6315	6335	6355	6375	6395	6415
BW 40M	Channel	67		75		83		91	
	Freq. (MHz)	6285		6325		6365		6405	
BW 80M	Channel	71				87			
	Freq. (MHz)	6305				6385			
BW 160M	Channel	79							
	Freq. (MHz)	6345							
BW 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 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	127							
	Freq. (MHz)	6585							



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	159							
	Freq. (MHz)	6745							

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 320M	Channel	191							
	Freq. (MHz)	6905							

BW 20M	Channel	225	229	233
	Freq. (MHz)	7075	7095	7115
BW 40M	Channel	227		
	Freq. (MHz)	7085		

2.2 Test Mode

Final test modes are considering the modulation and worse data rates as below table.

Modulation	Data Rate
802.11a	6 Mbps
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 6G Link + Bluetooth Link + USB Cable 1 (CBL-EC5X-USBC3A-01) + AC Adapter 1 (PWR-WUA5V45W1US) + Battery (BT-000527)
Remark: For Radiated Test Cases, the tests were performed with Adapter1 and USB Cable1.	

Ch. #		UNII-5	UNII-6	UNII-7	UNII-8
		20M BW	20M BW	20M BW	20M BW
L	Low	001	097	117	189
M	Middle	045	105	149	209
H	High	093	113	181	229/233
Straddle		-	-	-	185

Ch. #		UNII-5	UNII-6	UNII-7	UNII-8
		40M BW	40M BW	40M BW	40M BW
L	Low	003	099	123	195
M	Middle	043	-	147	203
H	High	091	107	179	227
Straddle		-	115	-	187

Ch. #		UNII-5	UNII-6	UNII-7	UNII-8
		80M BW	80M BW	80M BW	80M BW
L	Low	007	103	135	199
M	Middle	039		151	-
H	High	087		167	215
Straddle		-	119	183	-

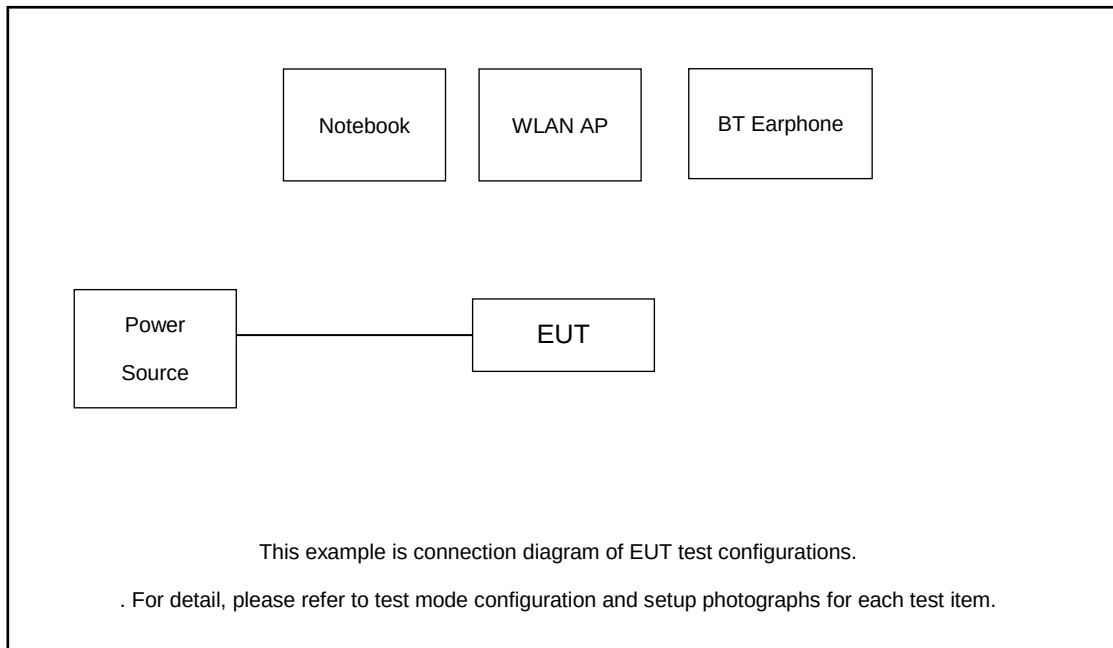
Ch. #		UNII-5	UNII-6	UNII-7	UNII-8
		160M BW	160M BW	160M BW	160M BW
L	Low	015	-	143	207
M	Middle	047			
H	High	079			
Straddle		-	111	175	-

Ch. #		UNII-5	UNII-6	UNII-7	UNII-8
		320M BW	320M BW	320M BW	320M BW
L	Low	-	-	-	-
M	Middle	031			
H	High	063			
Straddle		95	127	159	191

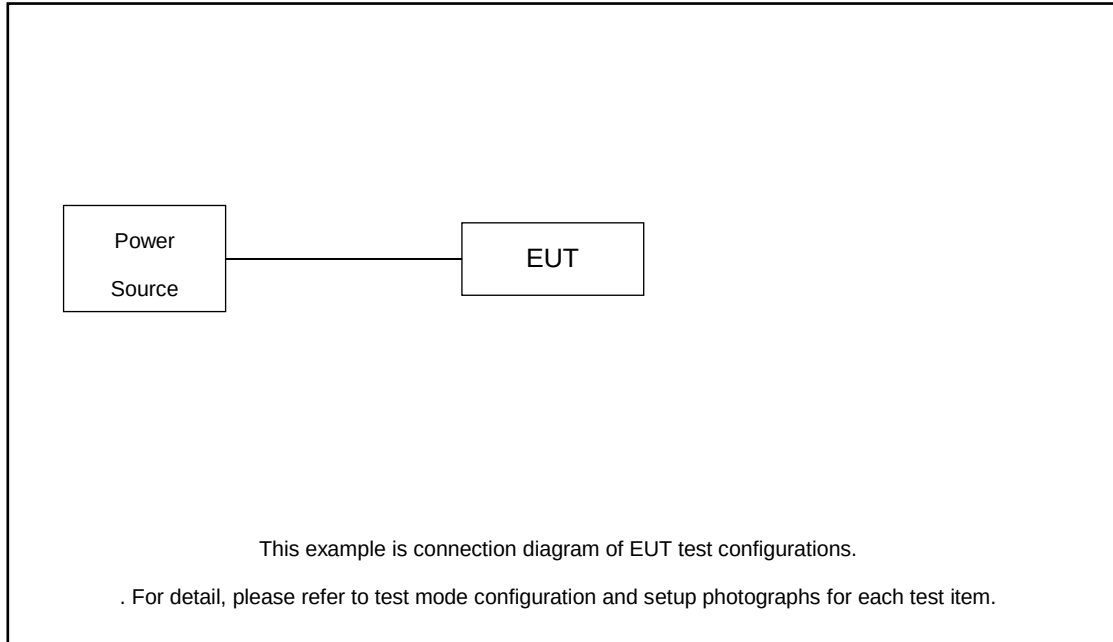
Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

2.3 Connection Diagram of Test System

For Conduction emission



For Radiated emission



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	Lenovo	G480	QDS-BRCM1050I	N/A	shielded cable DC O/P 1.8m , Unshielded AC I/P cable 1.8m
2.	WLAN AP	D-link	DIR-655	KA21R655B1	N/A	Unshielded,1.8m

2.5 EUT Operation Test Setup

For WLAN RF test items, an engineering test program (QRCT TX Tool) was provided and enabled to make EUT continuously transmit.

For AC power line conducted emissions, the EUT was set to connect with the WLAN AP under large package sizes transmission.

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 5.88 dB and 20dB attenuator.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 5.88 + 20 = 25.88 \text{ (dB)}\end{aligned}$$

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 CFR 15.407 (a)(11)

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

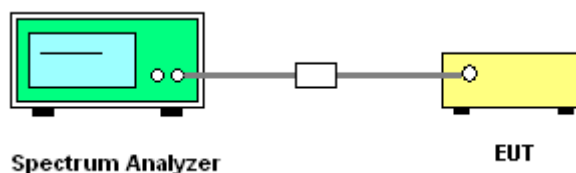
3.1.2 Measuring Instruments

See list of measuring equipment of 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



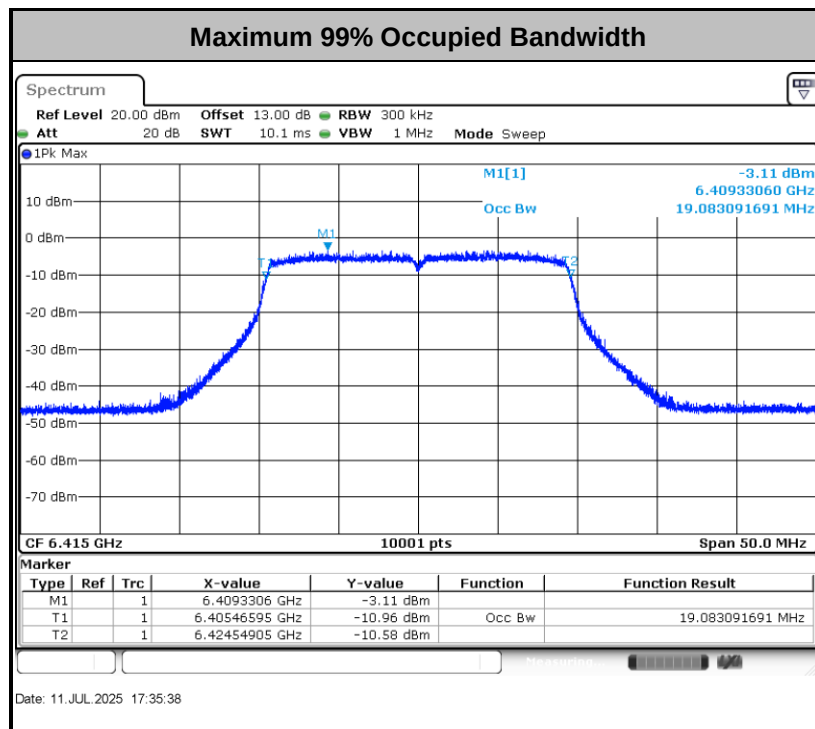
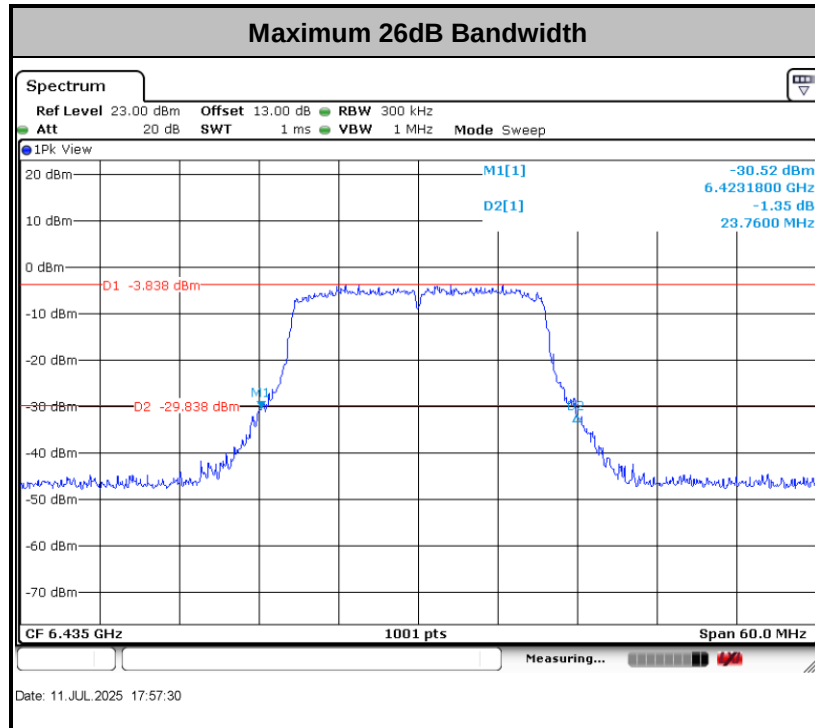
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

Only the maximum 26dB & 99% OB plots of each bandwidth shown in the report.

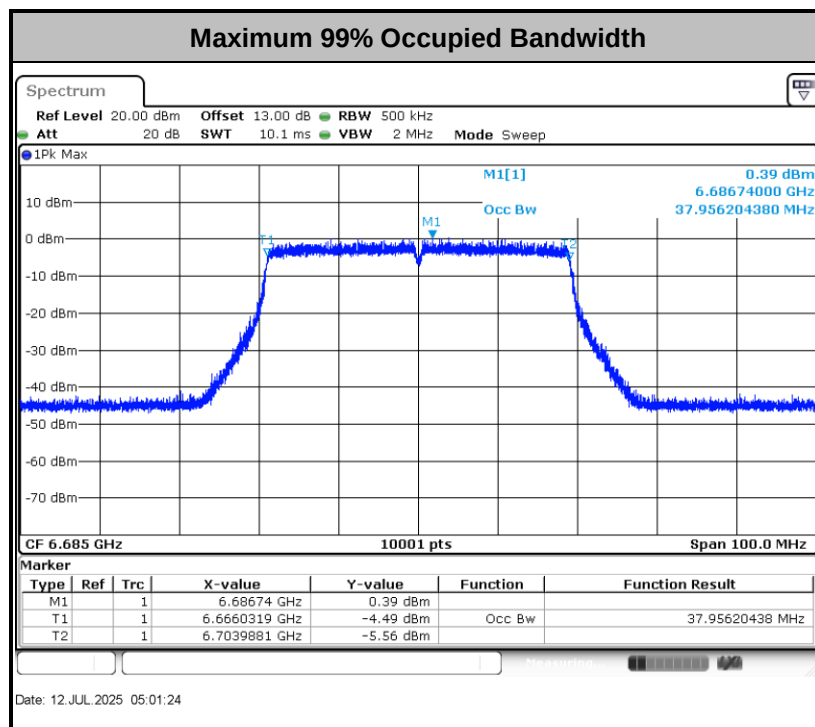
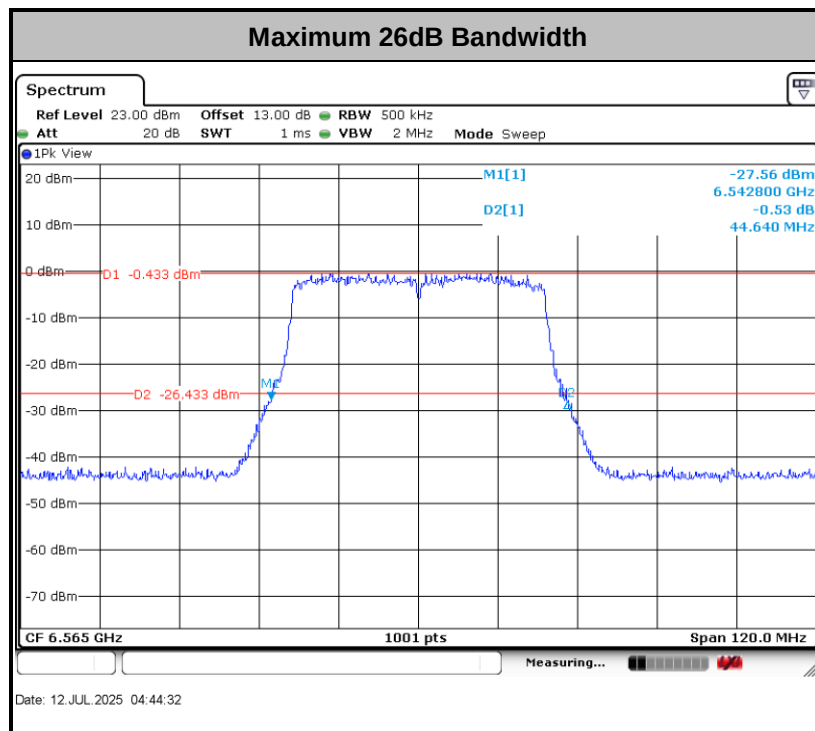


For 20MHz:



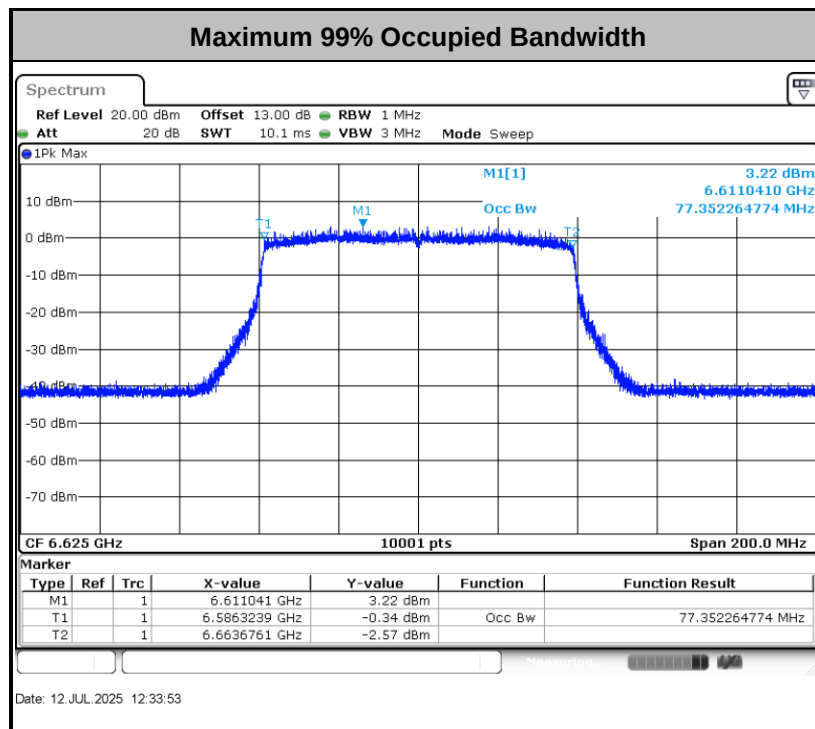
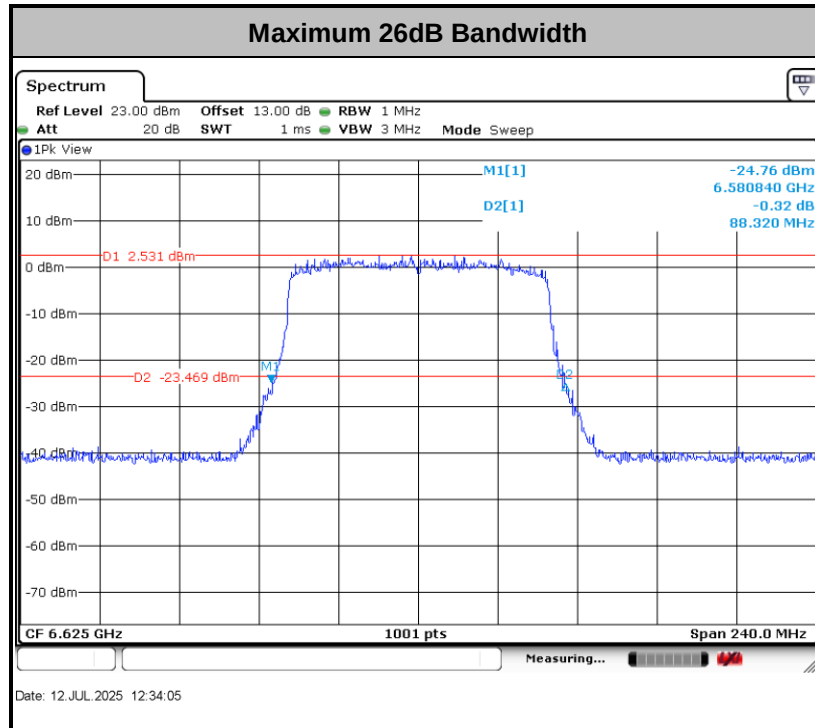


For 40MHz:



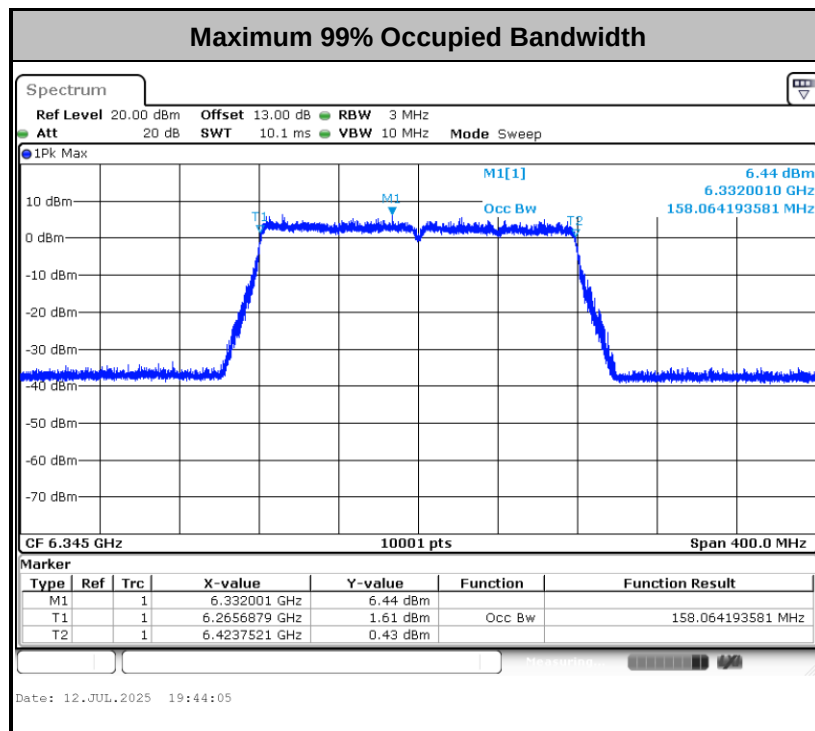
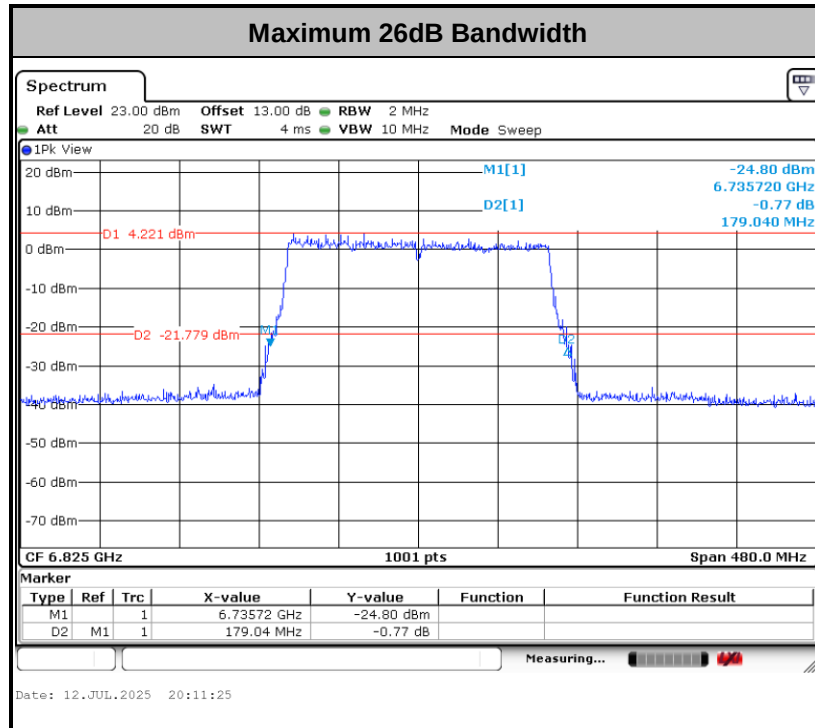


For 80MHz:



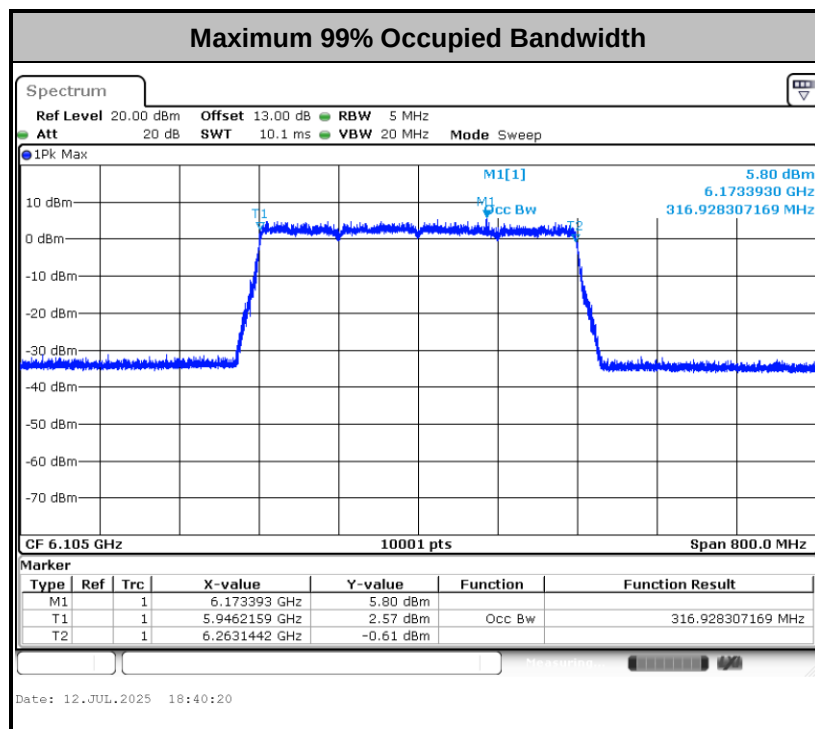
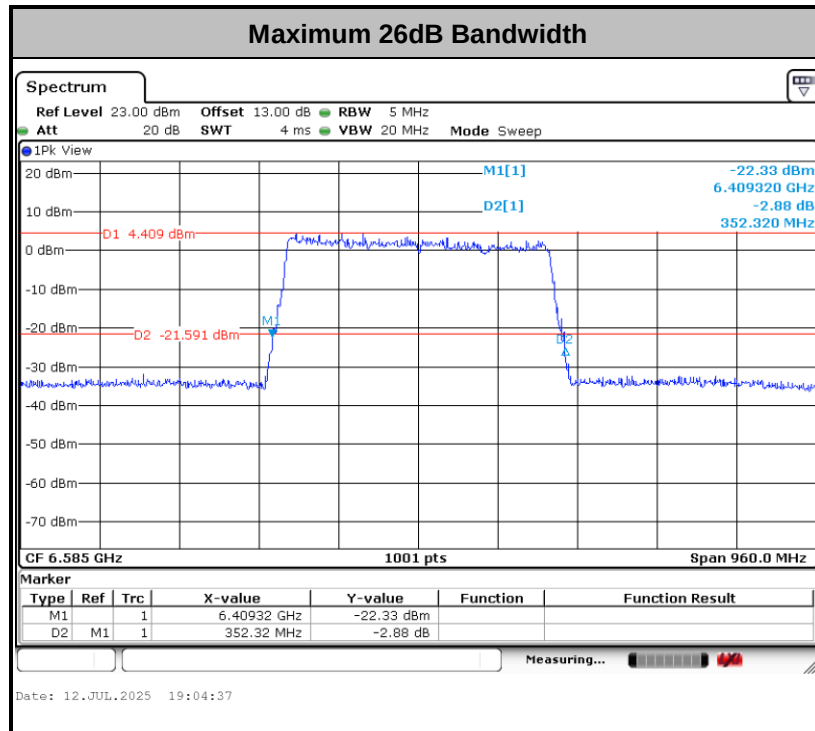


For 160MHz:





For 320MHz:



3.2 Maximum conducted Output Power and Fundamental Maximum EIRP Measurement

3.2.1 Limit of Fundamental Maximum EIRP

<FCC 14-30 CFR 15.407>

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

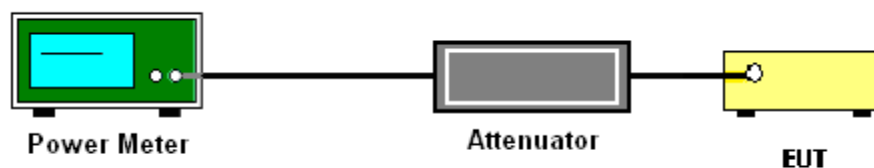
3.2.3 Test Procedures

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

Method PM (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, $10 \log(1/x)$, where x is the duty cycle.
4. For MIMO mode, the measure-and-sum technique should be used for measuring the in-band transmit power of a device.

3.2.4 Test Setup





3.2.5 Test Result of Fundamental Maximum EIRP

U-NII-5 TEST RESULTS DATA Average Output Power														
Mode						Power Setting	Average Conducted Power with duty factor(dBm)			Gain(dBi)	EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass/Fail
Band	MIMO	N _{TX}	Channel	Freq (MHz)	Data Rate		Ant 6	Ant 7	Ant 6+7		Ant 6+7	Ant 6+7		
11a	CDD	2	1	5955	6Mbps	-	0.00	0.86	0.74	3.81	0.20	4.01	14	Pass
11a	CDD	2	49	6195	6Mbps	-	-0.50	0.63	0.55	3.60	0.20	3.80	14	Pass
11a	CDD	2	93	6415	6Mbps	-	-0.50	0.56	0.38	3.48	0.20	3.68	14	Pass
HE20	SDM	2	1	5955	MCS0	Full	4.00	4.06	3.74	6.91	0.20	7.11	14	Pass
HE20	SDM	2	1	5955	MCS0	RU 26/0	-5.50	-4.86	-4.83	-1.83	0.20	-1.63	14	Pass
HE20	SDM	2	1	5955	MCS0	RU 52/37	-3.00	-2.61	-2.61	0.40	0.20	0.60	14	Pass
HE20	SDM	2	1	5955	MCS0	RU 106/53	1.00	0.92	0.78	3.86	0.20	4.06	14	Pass
HE20	SDM	2	49	6195	MCS0	Full	4.00	4.33	4.14	7.25	0.20	7.45	14	Pass
HE20	SDM	2	49	6195	MCS0	RU 26/0	-5.50	-4.48	-4.64	-1.55	0.20	-1.35	14	Pass
HE20	SDM	2	49	6195	MCS0	RU 52/37	-3.00	-2.32	-2.32	0.69	0.20	0.89	14	Pass
HE20	SDM	2	49	6195	MCS0	RU 106/53	1.00	1.07	0.97	4.03	0.20	4.23	14	Pass
HE20	SDM	2	93	6415	MCS0	Full	3.50	3.87	3.59	6.74	0.20	6.94	14	Pass
HE20	SDM	2	93	6415	MCS0	RU 26/8	-6.50	-5.27	-5.43	-2.34	0.20	-2.14	14	Pass
HE20	SDM	2	93	6415	MCS0	RU 52/40	-3.50	-2.58	-2.85	0.30	0.20	0.50	14	Pass
HE20	SDM	2	93	6415	MCS0	RU 106/54	0.50	0.86	0.63	3.76	0.20	3.96	14	Pass
HE40	SDM	2	3	5965	MCS0	Full	6.00	7.02	6.21	9.64	0.20	9.84	14	Pass
HE40	SDM	2	3	5965	MCS0	RU 242/61	4.00	3.25	2.84	6.06	0.20	6.26	14	Pass
HE40	SDM	2	51	6205	MCS0	Full	6.00	6.77	7.33	10.07	0.20	10.27	14	Pass
HE40	SDM	2	51	6205	MCS0	RU 242/61	4.00	3.39	3.29	6.35	0.20	6.55	14	Pass
HE40	SDM	2	91	6405	MCS0	Full	6.50	7.18	6.84	10.02	0.20	10.22	14	Pass
HE40	SDM	2	91	6405	MCS0	RU 242/62	3.50	2.82	2.51	5.68	0.20	5.88	14	Pass
HE80	SDM	2	7	5985	MCS0	Full	9.00	10.14	9.52	12.85	0.20	13.05	14	Pass
HE80	SDM	2	7	5985	MCS0	RU 484/65	6.00	7.16	6.72	9.96	0.20	10.16	14	Pass
HE80	SDM	2	55	6225	MCS0	Full	9.00	9.94	9.94	12.95	0.20	13.15	14	Pass
HE80	SDM	2	55	6225	MCS0	RU 484/65	5.50	6.36	6.41	9.40	0.20	9.60	14	Pass
HE80	SDM	2	87	6385	MCS0	Full	9.00	10.12	10.41	13.28	0.20	13.48	14	Pass
HE80	SDM	2	87	6385	MCS0	RU 484/66	6.00	6.56	6.68	9.63	0.20	9.83	14	Pass
HE160	SDM	2	15	6025	MCS0	Full	10.00	10.78	10.27	13.54	0.20	13.74	14	Pass
HE160	SDM	2	15	6025	MCS0	RU 996/67	6.00	7.46	6.84	10.18	0.20	10.38	14	Pass
HE160	SDM	2	47	6185	MCS0	Full	10.50	10.49	10.89	13.70	0.20	13.90	14	Pass
HE160	SDM	2	47	6185	MCS0	RU 996/67	6.50	7.38	7.56	10.49	0.20	10.69	14	Pass
HE160	SDM	2	79	6345	MCS0	Full	10.50	10.46	10.71	13.60	0.20	13.80	14	Pass
HE160	SDM	2	79	6345	MCS0	RU 996/S67	6.50	6.98	7.17	10.09	0.20	10.29	14	Pass
EHT20	SDM	2	1	5955	MCS0	Full	4.00	4.12	3.82	6.98	0.20	7.18	14	Pass
EHT20	SDM	2	1	5955	MCS0	RU 26/0	-5.50	-4.81	-4.78	-1.78	0.20	-1.58	14	Pass
EHT20	SDM	2	1	5955	MCS0	RU 52/37	-3.00	-2.56	-2.53	0.47	0.20	0.67	14	Pass
EHT20	SDM	2	1	5955	MCS0	RU 106/53	1.00	1.01	0.84	3.94	0.20	4.14	14	Pass
EHT20	SDM	2	1	5955	MCS0	RU 52+26	-3.00	-2.66	-2.83	0.27	0.20	0.47	14	Pass
EHT20	SDM	2	1	5955	MCS0	RU 106+26	1.00	1.04	0.78	3.92	0.20	4.12	14	Pass



EHT20	SDM	2	49	6195	MCS0	Full	4.00	4.38	4.17	7.29	0.20	7.49	14	Pass
EHT20	SDM	2	49	6195	MCS0	RU 26/0	-5.50	-4.43	-4.55	-1.48	0.20	-1.28	14	Pass
EHT20	SDM	2	49	6195	MCS0	RU 52/37	-3.00	-2.25	-2.28	0.75	0.20	0.95	14	Pass
EHT20	SDM	2	49	6195	MCS0	RU 106/53	1.00	1.14	1.01	4.09	0.20	4.29	14	Pass
EHT20	SDM	2	93	6415	MCS0	Full	3.50	3.93	3.64	6.80	0.20	7.00	14	Pass
EHT20	SDM	2	93	6415	MCS0	RU 26/8	-6.50	-5.18	-5.39	-2.27	0.20	-2.07	14	Pass
EHT20	SDM	2	93	6415	MCS0	RU 52/40	-3.50	-2.55	-2.77	0.35	0.20	0.55	14	Pass
EHT20	SDM	2	93	6415	MCS0	RU 106/54	0.50	0.88	0.65	3.78	0.20	3.98	14	Pass
EHT40	SDM	2	3	5965	MCS0	Full	6.00	7.07	6.29	9.71	0.20	9.91	14	Pass
EHT40	SDM	2	3	5965	MCS0	RU 242/61	4.00	3.29	2.91	6.11	0.20	6.31	14	Pass
EHT40	SDM	2	51	6205	MCS0	Full	6.00	6.82	7.37	10.11	0.20	10.31	14	Pass
EHT40	SDM	2	51	6205	MCS0	RU 242/61	4.00	3.47	3.34	6.42	0.20	6.62	14	Pass
EHT40	SDM	2	91	6405	MCS0	Full	6.50	7.22	6.91	10.08	0.20	10.28	14	Pass
EHT40	SDM	2	91	6405	MCS0	RU 242/62	3.50	2.87	2.58	5.74	0.20	5.94	14	Pass
EHT80	SDM	2	7	5985	MCS0	Full	9.00	10.18	9.57	12.90	0.20	13.10	14	Pass
EHT80	SDM	2	7	5985	MCS0	RU 484/65	6.00	7.20	6.75	9.99	0.20	10.19	14	Pass
EHT80	SDM	2	7	5985	MCS0	PC 20,Loc:4	6.75	7.58	7.02	10.32	0.20	10.52	14	Pass
EHT80	SDM	2	7	5985	MCS0	Large 484+242,Loc:4	7.50	8.27	8.68	11.49	0.20	11.69	14	Pass
EHT80	SDM	2	55	6225	MCS0	Full	9.00	9.98	10.01	13.01	0.20	13.21	14	Pass
EHT80	SDM	2	55	6225	MCS0	RU 484/65	5.50	6.41	6.44	9.44	0.20	9.64	14	Pass
EHT80	SDM	2	87	6385	MCS0	Full	9.00	10.18	10.49	13.35	0.20	13.55	14	Pass
EHT80	SDM	2	87	6385	MCS0	RU 484/66	6.00	6.60	6.71	9.67	0.20	9.87	14	Pass
EHT160	SDM	2	15	6025	MCS0	Full	10.00	10.87	10.32	13.61	0.20	13.81	14	Pass
EHT160	SDM	2	15	6025	MCS0	RU 996/67	6.00	7.52	6.86	10.22	0.20	10.42	14	Pass
EHT160	SDM	2	15	6025	MCS0	PC 20,Loc:8	8.50	9.42	9.53	12.49	0.20	12.69	14	Pass
EHT160	SDM	2	15	6025	MCS0	PC 40,Loc:4	8.00	8.85	9.19	12.03	0.20	12.23	14	Pass
EHT160	SDM	2	15	6025	MCS0	Large 996+484+242,Loc:8	8.50	9.39	9.51	12.46	0.20	12.66	14	Pass
EHT160	SDM	2	15	6025	MCS0	Large 996+484,Loc:4	7.50	8.65	8.83	11.75	0.20	11.95	14	Pass
EHT160	SDM	2	47	6185	MCS0	Full	10.50	10.52	10.91	13.73	0.20	13.93	14	Pass
EHT160	SDM	2	47	6185	MCS0	RU 996/67	6.50	7.43	7.60	10.53	0.20	10.73	14	Pass
EHT160	SDM	2	79	6345	MCS0	Full	10.50	10.49	10.75	13.63	0.20	13.83	14	Pass
EHT160	SDM	2	79	6345	MCS0	RU 996/S67	6.50	7.05	7.25	10.17	0.20	10.37	14	Pass
EHT320	SDM	2	31	6105	MCS0	Full	10.00	10.68	10.85	13.78	0.20	13.98	14	Pass
EHT320	SDM	2	31	6105	MCS0	RU966*2/69	6.50	7.60	7.44	10.53	0.20	10.73	14	Pass
EHT320	SDM	2	31	6105	MCS0	PC 40,Loc:8	9.00	10.29	9.94	13.13	0.20	13.33	14	Pass
EHT320	SDM	2	31	6105	MCS0	PC 80,Loc:4	8.50	9.05	9.37	12.22	0.20	12.42	14	Pass
EHT320	SDM	2	31	6105	MCS0	PC 80+40,Loc:6	7.50	8.57	8.95	11.77	0.20	11.97	14	Pass
EHT320	SDM	2	31	6105	MCS0	Large 996*3+484,Loc:8	8.50	9.11	9.40	12.26	0.20	12.46	14	Pass
EHT320	SDM	2	31	6105	MCS0	Large 996*3,Loc:4	8.00	8.60	8.94	11.78	0.20	11.98	14	Pass
EHT320	SDM	2	31	6105	MCS0	Large 996*2+484,Loc:6	7.00	8.10	8.57	11.35	0.20	11.55	14	Pass
EHT320	SDM	2	63	6265	MCS0	Full	10.00	10.54	10.97	13.77	0.20	13.97	14	Pass
EHT320	SDM	2	63	6265	MCS0	RU966*2/69	6.50	7.57	7.61	10.60	0.20	10.80	14	Pass
EHT320	SDM	2	95	6425	MCS0	Full	10.00	10.45	11.02	13.75	0.20	13.95	14	Pass
EHT320	SDM	2	95	6425	MCS0	RU966*2/70	6.50	7.06	8.00	10.57	0.20	10.77	14	Pass



U-NII-6 TEST RESULTS DATA														
Average Output Power														
Mode							Power Setting	Average Conducted Power with duty factor(dBm)			Gain(dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass/Fail
Band	MIMO	N _{TX}	Channel	Freq (MHz)	Data Rate	RU Config		Ant 6	Ant 7	Ant 6+7	Ant 6+7	Ant 6+7	Ant 6+7	
11a	CDD	2	97	6435	6Mbps	-	-0.50	0.75	0.41	3.60	0.60	4.20	14	Pass
11a	CDD	2	105	6475	6Mbps	-	-0.50	0.98	0.20	3.62	0.60	4.22	14	Pass
11a	CDD	2	113	6515	6Mbps	-	-0.50	0.81	0.18	3.52	0.60	4.12	14	Pass
HE20	SDM	2	97	6435	MCS0	Full	3.00	3.40	3.03	6.23	0.60	6.83	14	Pass
HE20	SDM	2	97	6435	MCS0	RU 26/0	-7.00	-5.79	-6.23	-2.99	0.60	-2.39	14	Pass
HE20	SDM	2	97	6435	MCS0	RU 52/37	-3.50	-2.70	-2.98	0.17	0.60	0.77	14	Pass
HE20	SDM	2	97	6435	MCS0	RU 106/53	-0.50	0.11	-0.18	2.98	0.60	3.58	14	Pass
HE20	SDM	2	105	6475	MCS0	Full	3.50	4.32	4.05	7.20	0.60	7.80	14	Pass
HE20	SDM	2	105	6475	MCS0	RU 26/0	-6.00	-4.59	-5.55	-2.03	0.60	-1.43	14	Pass
HE20	SDM	2	105	6475	MCS0	RU 52/37	-3.00	-1.93	-2.69	0.72	0.60	1.32	14	Pass
HE20	SDM	2	105	6475	MCS0	RU 106/53	0.50	0.85	0.33	3.61	0.60	4.21	14	Pass
HE20	SDM	2	113	6515	MCS0	Full	3.50	4.42	4.04	7.24	0.60	7.84	14	Pass
HE20	SDM	2	113	6515	MCS0	RU 26/8	-6.00	-4.45	-5.35	-1.87	0.60	-1.27	14	Pass
HE20	SDM	2	113	6515	MCS0	RU 52/40	-3.00	-1.83	-2.55	0.84	0.60	1.44	14	Pass
HE20	SDM	2	113	6515	MCS0	RU 106/54	1.00	1.35	0.87	4.13	0.60	4.73	14	Pass
HE40	SDM	2	99	6445	MCS0	Full	6.00	6.62	7.16	9.91	0.60	10.51	14	Pass
HE40	SDM	2	99	6445	MCS0	RU 242/61	3.00	2.59	2.22	5.42	0.60	6.02	14	Pass
HE40	SDM	2	107	6485	MCS0	Full	6.00	6.80	7.05	9.94	0.60	10.54	14	Pass
HE40	SDM	2	107	6485	MCS0	RU 242/61	3.00	2.85	2.00	5.46	0.60	6.06	14	Pass
HE40	SDM	2	115	6525	MCS0	Full	6.50	7.21	6.57	9.91	0.60	10.51	14	Pass
HE40	SDM	2	115	6525	MCS0	RU 242/62	3.00	2.54	1.84	5.21	0.60	5.81	14	Pass
HE80	SDM	2	103	6465	MCS0	Full	9.50	9.85	10.17	13.02	0.60	13.62	14	Pass
HE80	SDM	2	103	6465	MCS0	RU 484/65	5.50	6.19	6.62	9.42	0.60	10.02	14	Pass
HE80	SDM	2	119	6545	MCS0	Full	9.50	9.88	9.99	12.95	0.60	13.55	14	Pass
HE80	SDM	2	119	6545	MCS0	RU 484/65	6.50	6.88	6.91	9.91	0.60	10.51	14	Pass
HE160	SDM	2	111	6505	MCS0	Full	10.00	10.17	10.46	13.33	0.60	13.93	14	Pass
HE160	SDM	2	111	6505	MCS0	RU 996/67	6.50	7.37	7.24	10.32	0.60	10.92	14	Pass
EHT20	SDM	2	97	6435	MCS0	Full	3.00	3.42	3.11	6.28	0.60	6.88	14	Pass
EHT20	SDM	2	97	6435	MCS0	RU 26/0	-7.00	-5.72	-6.15	-2.92	0.60	-2.32	14	Pass
EHT20	SDM	2	97	6435	MCS0	RU 52/37	-3.50	-2.68	-2.92	0.21	0.60	0.81	14	Pass
EHT20	SDM	2	97	6435	MCS0	RU 106/53	-0.50	0.13	-0.13	3.01	0.60	3.61	14	Pass
EHT20	SDM	2	97	6435	MCS0	RU 52+26	-3.50	-2.86	-3.15	0.01	0.60	0.61	14	Pass
EHT20	SDM	2	97	6435	MCS0	RU 106+26	-0.50	0.12	-0.17	2.99	0.60	3.59	14	Pass
EHT20	SDM	2	105	6475	MCS0	Full	3.50	4.38	4.11	7.26	0.60	7.86	14	Pass
EHT20	SDM	2	105	6475	MCS0	RU 26/0	-6.00	-4.52	-5.48	-1.96	0.60	-1.36	14	Pass
EHT20	SDM	2	105	6475	MCS0	RU 52/37	-3.00	-1.85	-2.67	0.77	0.60	1.37	14	Pass
EHT20	SDM	2	105	6475	MCS0	RU 106/53	0.50	0.93	0.35	3.66	0.60	4.26	14	Pass
EHT20	SDM	2	113	6515	MCS0	Full	3.50	4.49	4.07	7.30	0.60	7.90	14	Pass
EHT20	SDM	2	113	6515	MCS0	RU 26/8	-6.00	-4.37	-5.28	-1.79	0.60	-1.19	14	Pass
EHT20	SDM	2	113	6515	MCS0	RU 52/40	-3.00	-1.77	-2.52	0.88	0.60	1.48	14	Pass



EHT20	SDM	2	113	6515	MCS0	RU 106/54	1.00	1.42	0.91	4.18	0.60	4.78	14	Pass
EHT40	SDM	2	99	6445	MCS0	Full	6.00	6.69	7.21	9.97	0.60	10.57	14	Pass
EHT40	SDM	2	99	6445	MCS0	RU 242/61	3.00	2.61	2.24	5.44	0.60	6.04	14	Pass
EHT40	SDM	2	107	6485	MCS0	Full	6.00	6.82	7.09	9.97	0.60	10.57	14	Pass
EHT40	SDM	2	107	6485	MCS0	RU 242/61	3.00	2.93	2.08	5.54	0.60	6.14	14	Pass
EHT40	SDM	2	115	6525	MCS0	Full	6.50	7.27	6.61	9.96	0.60	10.56	14	Pass
EHT40	SDM	2	115	6525	MCS0	RU 242/62	3.00	2.62	1.91	5.29	0.60	5.89	14	Pass
EHT80	SDM	2	103	6465	MCS0	Full	9.50	9.91	10.25	13.09	0.60	13.69	14	Pass
EHT80	SDM	2	103	6465	MCS0	RU 484/65	5.50	6.25	6.65	9.47	0.60	10.07	14	Pass
EHT80	SDM	2	103	6465	MCS0	PC 20,Loc:4	7.25	7.23	7.95	10.62	0.60	11.22	14	Pass
EHT80	SDM	2	103	6465	MCS0	Large 484+242,Loc:4	7.50	7.80	8.50	11.17	0.60	11.77	14	Pass
EHT80	SDM	2	119	6545	MCS0	Full	9.50	9.91	10.04	12.99	0.60	13.59	14	Pass
EHT80	SDM	2	119	6545	MCS0	RU 484/66	6.50	6.96	6.99	9.99	0.60	10.59	14	Pass
EHT160	SDM	2	111	6505	MCS0	Full	10.00	10.22	10.48	13.36	0.60	13.96	14	Pass
EHT160	SDM	2	111	6505	MCS0	RU 996/67	6.50	7.43	7.28	10.37	0.60	10.97	14	Pass
EHT160	SDM	2	111	6505	MCS0	PC 20,Loc:8	8.50	9.65	9.57	12.62	0.60	13.22	14	Pass
EHT160	SDM	2	111	6505	MCS0	PC 40,Loc:4	8.00	9.28	9.12	12.21	0.60	12.81	14	Pass
EHT160	SDM	2	111	6505	MCS0	Large 996+484+242,Loc:8	8.50	9.73	9.54	12.65	0.60	13.25	14	Pass
EHT160	SDM	2	111	6505	MCS0	Large 996+484,Loc:4	7.50	7.99	8.88	11.47	0.60	12.07	14	Pass
EHT320	SDM	2	127	6585	MCS0	Full	10.00	10.03	10.68	13.38	0.60	13.98	14	Pass
EHT320	SDM	2	127	6585	MCS0	RU 2*996/69	6.50	7.21	8.12	10.70	0.60	11.30	14	Pass
EHT320	SDM	2	127	6585	MCS0	PC 40,Loc:8	9.00	9.59	10.11	12.87	0.60	13.47	14	Pass
EHT320	SDM	2	127	6585	MCS0	PC 80,Loc:4	8.50	9.45	9.53	12.50	0.60	13.10	14	Pass
EHT320	SDM	2	127	6585	MCS0	PC 80+40,Loc:6	7.50	8.02	8.75	11.41	0.60	12.01	14	Pass
EHT320	SDM	2	127	6585	MCS0	Large 996*3+484,Loc:8	9.00	9.61	10.05	12.84	0.60	13.44	14	Pass
EHT320	SDM	2	127	6585	MCS0	Large 996*3,Loc:4	8.50	9.46	9.60	12.54	0.60	13.14	14	Pass
EHT320	SDM	2	127	6585	MCS0	Large 996*2+484,Loc:6	7.50	8.04	8.80	11.45	0.60	12.05	14	Pass



U-NII-7 TEST RESULTS DATA														
Average Output Power														
Mode							Power Setting	Average Conducted Power with duty factor(dBm)			Gain(dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass/Fail
Band	MIMO	N _{TX}	Channel	Freq (MHz)	Data Rate	RU Config		Ant 6	Ant 7	Ant 6+7	Ant 6+7	Ant 6+7	Ant 6+7	
11a	CDD	2	117	6535	6Mbps	-	0.00	0.88	1.29	4.10	0.00	4.10	14	Pass
11a	CDD	2	149	6695	6Mbps	-	0.00	0.97	1.61	4.31	0.00	4.31	14	Pass
11a	CDD	2	181	6855	6Mbps	-	0.00	1.10	1.68	4.41	0.00	4.41	14	Pass
11a	CDD	2	185	6875	6Mbps	-	0.50	1.11	1.69	4.42	0.00	4.42	14	Pass
HE20	SDM	2	117	6535	MCS0	Full	3.50	4.50	4.06	7.30	0.00	7.30	14	Pass
HE20	SDM	2	117	6535	MCS0	RU 26/0	-6.00	-4.90	-5.29	-2.08	0.00	-2.08	14	Pass
HE20	SDM	2	117	6535	MCS0	RU 52/37	-3.00	-2.33	-2.69	0.50	0.00	0.50	14	Pass
HE20	SDM	2	117	6535	MCS0	RU 106/53	0.50	0.56	0.32	3.45	0.00	3.45	14	Pass
HE20	SDM	2	149	6695	MCS0	Full	4.00	4.77	4.58	7.69	0.00	7.69	14	Pass
HE20	SDM	2	149	6695	MCS0	RU 26/0	-5.50	-4.41	-4.58	-1.48	0.00	-1.48	14	Pass
HE20	SDM	2	149	6695	MCS0	RU 52/37	-2.50	-1.65	-1.73	1.32	0.00	1.32	14	Pass
HE20	SDM	2	149	6695	MCS0	RU 106/53	1.00	1.34	1.28	4.32	0.00	4.32	14	Pass
HE20	SDM	2	181	6855	MCS0	Full	4.00	4.36	4.71	7.55	0.00	7.55	14	Pass
HE20	SDM	2	181	6855	MCS0	RU 26/8	-5.50	-4.12	-4.24	-1.17	0.00	-1.17	14	Pass
HE20	SDM	2	181	6855	MCS0	RU 52/40	-2.50	-1.33	-1.61	1.54	0.00	1.54	14	Pass
HE20	SDM	2	181	6855	MCS0	RU 106/54	1.00	1.24	1.00	4.13	0.00	4.13	14	Pass
HE20	SDM	2	185	6875	MCS0	Full	4.00	4.30	4.80	7.57	0.00	7.57	14	Pass
HE20	SDM	2	185	6875	MCS0	RU 26/8	-5.50	-4.05	-4.30	-1.16	0.00	-1.16	14	Pass
HE20	SDM	2	185	6875	MCS0	RU 52/40	-2.50	-1.43	-1.71	1.44	0.00	1.44	14	Pass
HE20	SDM	2	185	6875	MCS0	RU 106/54	1.50	1.82	1.48	4.66	0.00	4.66	14	Pass
HE40	SDM	2	123	6565	MCS0	Full	7.00	7.43	7.56	10.51	0.00	10.51	14	Pass
HE40	SDM	2	123	6565	MCS0	RU 242/61	3.50	4.48	4.35	7.43	0.00	7.43	14	Pass
HE40	SDM	2	147	6685	MCS0	Full	7.00	7.38	7.96	10.69	0.00	10.69	14	Pass
HE40	SDM	2	147	6685	MCS0	RU 242/61	3.50	4.44	4.39	7.43	0.00	7.43	14	Pass
HE40	SDM	2	179	6845	MCS0	Full	7.50	7.42	8.28	10.88	0.00	10.88	14	Pass
HE40	SDM	2	179	6845	MCS0	RU 242/62	3.50	4.17	4.48	7.34	0.00	7.34	14	Pass
HE40	SDM	2	187	6885	MCS0	Full	7.50	7.45	8.04	10.77	0.00	10.77	14	Pass
HE40	SDM	2	187	6885	MCS0	RU 242/62	3.50	4.08	4.37	7.24	0.00	7.24	14	Pass
HE80	SDM	2	135	6625	MCS0	Full	10.00	10.27	10.96	13.64	0.00	13.64	14	Pass
HE80	SDM	2	135	6625	MCS0	RU 484/65	6.00	6.60	7.48	10.08	0.00	10.08	14	Pass
HE80	SDM	2	151	6705	MCS0	Full	10.00	10.26	11.00	13.66	0.00	13.66	14	Pass
HE80	SDM	2	151	6705	MCS0	RU 484/65	6.00	6.67	7.68	10.22	0.00	10.22	14	Pass
HE80	SDM	2	167	6785	MCS0	Full	10.00	10.20	10.89	13.57	0.00	13.57	14	Pass
HE80	SDM	2	167	6785	MCS0	RU 484/66	6.00	6.18	7.43	9.86	0.00	9.86	14	Pass
HE80	SDM	2	183	6865	MCS0	Full	10.50	10.40	11.35	13.91	0.00	13.91	14	Pass
HE80	SDM	2	183	6865	MCS0	RU 484/66	6.50	6.51	7.98	10.32	0.00	10.32	14	Pass
HE160	SDM	2	143	6665	MCS0	Full	10.50	10.38	11.26	13.85	0.00	13.85	14	Pass
HE160	SDM	2	143	6665	MCS0	RU 996/67	6.50	6.88	8.27	10.65	0.00	10.65	14	Pass
HE160	SDM	2	175	6825	MCS0	Full	11.00	10.43	11.37	13.94	0.00	13.94	14	Pass
HE160	SDM	2	175	6825	MCS0	RU 996/67	6.50	6.53	7.98	10.33	0.00	10.33	14	Pass



EHT20	SDM	2	117	6535	MCS0	Full	3.50	4.52	4.08	7.32	0.00	7.32	14	Pass
EHT20	SDM	2	117	6535	MCS0	RU 26/0	-6.00	-4.83	-5.26	-2.03	0.00	-2.03	14	Pass
EHT20	SDM	2	117	6535	MCS0	RU 52/37	-3.00	-2.28	-2.66	0.54	0.00	0.54	14	Pass
EHT20	SDM	2	117	6535	MCS0	RU 106/53	0.50	0.63	0.34	3.50	0.00	3.50	14	Pass
EHT20	SDM	2	117	6535	MCS0	RU 52+26	-3.00	-2.59	-2.78	0.33	0.00	0.33	14	Pass
EHT20	SDM	2	117	6535	MCS0	RU 106+26	0.50	0.64	0.39	3.53	0.00	3.53	14	Pass
EHT20	SDM	2	149	6695	MCS0	Full	4.00	4.82	4.62	7.73	0.00	7.73	14	Pass
EHT20	SDM	2	149	6695	MCS0	RU 26/0	-5.50	-4.39	-4.53	-1.45	0.00	-1.45	14	Pass
EHT20	SDM	2	149	6695	MCS0	RU 52/37	-2.50	-1.62	-1.71	1.35	0.00	1.35	14	Pass
EHT20	SDM	2	149	6695	MCS0	RU 106/53	1.00	1.39	1.35	4.38	0.00	4.38	14	Pass
EHT20	SDM	2	181	6855	MCS0	Full	4.00	4.40	4.74	7.58	0.00	7.58	14	Pass
EHT20	SDM	2	181	6855	MCS0	RU 26/8	-5.50	-4.07	-4.21	-1.13	0.00	-1.13	14	Pass
EHT20	SDM	2	181	6855	MCS0	RU 52/40	-2.50	-1.28	-1.57	1.59	0.00	1.59	14	Pass
EHT20	SDM	2	181	6855	MCS0	RU 106/54	1.00	1.27	1.05	4.17	0.00	4.17	14	Pass
EHT20	SDM	2	185	6875	MCS0	Full	4.00	4.37	4.83	7.62	0.00	7.62	14	Pass
EHT20	SDM	2	185	6875	MCS0	RU 26/8	-5.50	-4.02	-4.23	-1.11	0.00	-1.11	14	Pass
EHT20	SDM	2	185	6875	MCS0	RU 52/40	-2.50	-1.38	-1.66	1.49	0.00	1.49	14	Pass
EHT20	SDM	2	185	6875	MCS0	RU 106/54	1.50	1.85	1.53	4.70	0.00	4.70	14	Pass
EHT40	SDM	2	123	6565	MCS0	Full	7.00	7.45	7.61	10.54	0.00	10.54	14	Pass
EHT40	SDM	2	123	6565	MCS0	RU 242/61	3.50	4.53	4.38	7.47	0.00	7.47	14	Pass
EHT40	SDM	2	147	6685	MCS0	Full	7.00	7.42	8.03	10.75	0.00	10.75	14	Pass
EHT40	SDM	2	147	6685	MCS0	RU 242/61	3.50	4.48	4.44	7.47	0.00	7.47	14	Pass
EHT40	SDM	2	179	6845	MCS0	Full	7.50	7.48	8.32	10.93	0.00	10.93	14	Pass
EHT40	SDM	2	179	6845	MCS0	RU 242/62	3.50	4.21	4.53	7.38	0.00	7.38	14	Pass
EHT40	SDM	2	187	6885	MCS0	Full	7.50	7.52	8.07	10.81	0.00	10.81	14	Pass
EHT40	SDM	2	187	6885	MCS0	RU 242/62	3.50	4.12	4.44	7.29	0.00	7.29	14	Pass
EHT80	SDM	2	135	6625	MCS0	Full	10.00	10.30	10.98	13.66	0.00	13.66	14	Pass
EHT80	SDM	2	135	6625	MCS0	RU 484/65	6.00	6.64	7.52	10.12	0.00	10.12	14	Pass
EHT80	SDM	2	135	6625	MCS0	PC 20,Loc:4	7.75	9.25	9.51	12.39	0.00	12.39	14	Pass
EHT80	SDM	2	135	6625	MCS0	Large 484+242,Loc:4	8.00	8.83	9.15	12.00	0.00	12.00	14	Pass
EHT80	SDM	2	151	6705	MCS0	Full	10.00	10.31	11.07	13.72	0.00	13.72	14	Pass
EHT80	SDM	2	151	6705	MCS0	RU 484/65	6.00	6.71	7.75	10.28	0.00	10.28	14	Pass
EHT80	SDM	2	167	6785	MCS0	Full	10.00	10.22	10.91	13.59	0.00	13.59	14	Pass
EHT80	SDM	2	167	6785	MCS0	RU 484/66	6.00	6.25	7.49	9.93	0.00	9.93	14	Pass
EHT80	SDM	2	183	6865	MCS0	Full	10.50	10.42	11.39	13.94	0.00	13.94	14	Pass
EHT80	SDM	2	183	6865	MCS0	RU 484/66	6.50	6.55	8.04	10.37	0.00	10.37	14	Pass
EHT160	SDM	2	143	6665	MCS0	Full	10.50	10.45	11.28	13.90	0.00	13.90	14	Pass
EHT160	SDM	2	143	6665	MCS0	RU 996/S67	6.50	6.95	8.29	10.69	0.00	10.69	14	Pass
EHT160	SDM	2	143	6665	MCS0	PC 20,Loc:8	9.00	9.53	10.35	12.97	0.00	12.97	14	Pass
EHT160	SDM	2	143	6665	MCS0	PC 40,Loc:4	8.50	9.42	9.98	12.72	0.00	12.72	14	Pass
EHT160	SDM	2	143	6665	MCS0	Large 996+484+242,Loc:8	9.00	9.52	10.41	13.00	0.00	13.00	14	Pass
EHT160	SDM	2	143	6665	MCS0	Large 996+484,Loc:4	8.00	8.81	9.48	12.17	0.00	12.17	14	Pass
EHT160	SDM	2	175	6825	MCS0	Full	11.00	10.45	11.39	13.96	0.00	13.96	14	Pass
EHT160	SDM	2	175	6825	MCS0	RU 996/67	6.50	6.55	8.05	10.38	0.00	10.38	14	Pass
EHT320	SDM	2	159	6745	MCS0	Full	10.50	10.41	11.42	13.95	0.00	13.95	14	Pass



EHT320	SDM	2	159	6745	MCS0	RU966*2/70	8.00	8.50	9.52	12.05	0.00	12.05	14	Pass
EHT320	SDM	2	159	6745	MCS0	PC 40,Loc:8	9.50	10.01	11.07	13.58	0.00	13.58	14	Pass
EHT320	SDM	2	159	6745	MCS0	PC 80,Loc:4	9.00	9.51	10.57	13.08	0.00	13.08	14	Pass
EHT320	SDM	2	159	6745	MCS0	PC 80+40,Loc:6	8.00	8.95	9.84	12.43	0.00	12.43	14	Pass
EHT320	SDM	2	159	6745	MCS0	Large 996*3+484,Loc:8	9.50	10.00	10.98	13.52	0.00	13.52	14	Pass
EHT320	SDM	2	159	6745	MCS0	Large 996*3,Loc:4	9.00	9.54	10.51	13.06	0.00	13.06	14	Pass
EHT320	SDM	2	159	6745	MCS0	Large 996*2+484,Loc:6	8.00	8.98	9.81	12.42	0.00	12.42	14	Pass



U-NII-8 TEST RESULTS DATA														
Average Output Power														
Mode							Power Setting	Average Conducted Power with duty factor(dBm)			Gain(dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass/Fail
Band	MIMO	N _{TX}	Channel	Freq (MHz)	Data Rate	RU Config		Ant 6	Ant 7	Ant 6+7	Ant 6+7	Ant 6+7	Ant 6+7	
11a	CDD	2	189	6895	6Mbps	-	0.50	1.13	1.77	4.47	-0.20	4.27	14	Pass
11a	CDD	2	209	6995	6Mbps	-	-1.50	-0.14	-0.12	2.88	-0.20	2.68	14	Pass
11a	CDD	2	229	7095	6Mbps	-	-1.50	-0.39	0.41	3.04	-0.20	2.84	14	Pass
11a	CDD	2	233	7115	6Mbps	-	-1.50	-0.45	0.31	2.96	-0.20	2.76	14	Pass
HE20	SDM	2	189	6895	MCS0	Full	4.00	4.66	4.88	7.78	-0.20	7.58	14	Pass
HE20	SDM	2	189	6895	MCS0	RU 26/0	-5.50	-4.12	-4.22	-1.16	-0.20	-1.36	14	Pass
HE20	SDM	2	189	6895	MCS0	RU 52/37	-2.50	-1.46	-1.69	1.44	-0.20	1.24	14	Pass
HE20	SDM	2	189	6895	MCS0	RU 106/53	1.00	1.24	1.47	4.37	-0.20	4.17	14	Pass
HE20	SDM	2	209	6995	MCS0	Full	2.50	3.62	3.23	6.44	-0.20	6.24	14	Pass
HE20	SDM	2	209	6995	MCS0	RU 26/0	-5.50	-3.93	-4.74	-1.31	-0.20	-1.51	14	Pass
HE20	SDM	2	209	6995	MCS0	RU 52/37	-2.50	-1.26	-2.05	1.37	-0.20	1.17	14	Pass
HE20	SDM	2	209	6995	MCS0	RU 106/53	0.00	1.15	0.42	3.81	-0.20	3.61	14	Pass
HE20	SDM	2	229	7095	MCS0	Full	2.50	3.41	3.12	6.28	-0.20	6.08	14	Pass
HE20	SDM	2	229	7095	MCS0	RU 26/8	-7.00	-5.62	-5.45	-2.52	-0.20	-2.72	14	Pass
HE20	SDM	2	229	7095	MCS0	RU 52/40	-4.00	-2.75	-2.86	0.21	-0.20	0.01	14	Pass
HE20	SDM	2	229	7095	MCS0	RU 106/54	-0.50	0.27	0.21	3.25	-0.20	3.05	14	Pass
HE20	SDM	2	233	7115	MCS0	Full	-3.00	-2.28	-2.29	0.73	-0.20	0.53	14	Pass
HE20	SDM	2	233	7115	MCS0	RU 26/8	-16.50	-13.69	-13.85	-10.76	-0.20	-10.96	14	Pass
HE20	SDM	2	233	7115	MCS0	RU 52/40	-13.50	-11.80	-11.82	-8.80	-0.20	-9.00	14	Pass
HE20	SDM	2	233	7115	MCS0	RU 106/54	-10.00	-8.99	-9.00	-5.98	-0.20	-6.18	14	Pass
HE40	SDM	2	195	6925	MCS0	Full	7.50	8.51	8.02	11.28	-0.20	11.08	14	Pass
HE40	SDM	2	195	6925	MCS0	RU 242/61	3.50	4.52	4.48	7.51	-0.20	7.31	14	Pass
HE40	SDM	2	211	7005	MCS0	Full	5.50	6.69	5.74	9.25	-0.20	9.05	14	Pass
HE40	SDM	2	211	7005	MCS0	RU 242/61	2.00	3.40	2.89	6.16	-0.20	5.96	14	Pass
HE40	SDM	2	227	7085	MCS0	Full	5.50	6.02	6.52	9.29	-0.20	9.09	14	Pass
HE40	SDM	2	227	7085	MCS0	RU 242/62	2.00	3.18	2.78	5.99	-0.20	5.79	14	Pass
HE80	SDM	2	199	6945	MCS0	Full	10.00	10.37	10.71	13.55	-0.20	13.35	14	Pass
HE80	SDM	2	199	6945	MCS0	RU 484/65	6.50	6.92	7.84	10.42	-0.20	10.22	14	Pass
HE80	SDM	2	215	7025	MCS0	Full	8.50	9.13	9.14	12.15	-0.20	11.95	14	Pass
HE80	SDM	2	215	7025	MCS0	RU 484/66	5.00	6.05	5.62	8.85	-0.20	8.65	14	Pass
HE160	SDM	2	207	6985	MCS0	Full	11.00	10.96	11.19	14.09	-0.20	13.89	14	Pass
HE160	SDM	2	207	6985	MCS0	RU 996/S67	6.50	7.22	7.77	10.52	-0.20	10.32	14	Pass
EHT20	SDM	2	189	6895	MCS0	Full	4.00	4.71	4.95	7.84	-0.20	7.64	14	Pass
EHT20	SDM	2	189	6895	MCS0	RU 26/0	-5.50	-4.09	-4.17	-1.12	-0.20	-1.32	14	Pass
EHT20	SDM	2	189	6895	MCS0	RU 52/37	-2.50	-1.42	-1.63	1.49	-0.20	1.29	14	Pass
EHT20	SDM	2	189	6895	MCS0	RU 106/53	1.00	1.32	1.55	4.45	-0.20	4.25	14	Pass
EHT20	SDM	2	209	6995	MCS0	Full	2.50	3.68	3.27	6.49	-0.20	6.29	14	Pass
EHT20	SDM	2	209	6995	MCS0	RU 26/0	-5.50	-3.85	-4.66	-1.23	-0.20	-1.43	14	Pass
EHT20	SDM	2	209	6995	MCS0	RU 52/37	-2.50	-1.21	-1.99	1.43	-0.20	1.23	14	Pass
EHT20	SDM	2	209	6995	MCS0	RU 106/53	0.00	1.22	0.47	3.87	-0.20	3.67	14	Pass



EHT20	SDM	2	229	7095	MCS0	Full	2.50	3.46	3.18	6.33	-0.20	6.13	14	Pass
EHT20	SDM	2	229	7095	MCS0	RU 26/8	-7.00	-5.55	-5.41	-2.47	-0.20	-2.67	14	Pass
EHT20	SDM	2	229	7095	MCS0	RU 52/40	-4.00	-2.72	-2.83	0.24	-0.20	0.04	14	Pass
EHT20	SDM	2	229	7095	MCS0	RU 106/54	-0.50	0.35	0.27	3.32	-0.20	3.12	14	Pass
EHT20	SDM	2	229	7095	MCS0	RU 52+26	-4.00	-3.12	-3.27	-0.18	-0.20	-0.38	14	Pass
EHT20	SDM	2	229	7095	MCS0	RU 106+26	-0.50	0.32	0.24	3.29	-0.20	3.09	14	Pass
EHT20	SDM	2	233	7115	MCS0	Full	-3.00	-2.22	-2.17	0.82	-0.20	0.62	14	Pass
EHT20	SDM	2	233	7115	MCS0	RU 26/8	-16.50	-13.62	-13.78	-10.69	-0.20	-10.89	14	Pass
EHT20	SDM	2	233	7115	MCS0	RU 52/40	-13.50	-11.72	-11.75	-8.72	-0.20	-8.92	14	Pass
EHT20	SDM	2	233	7115	MCS0	RU 106/54	-10.00	-8.95	-8.97	-5.95	-0.20	-6.15	14	Pass
EHT20	SDM	2	233	7115	MCS0	RU 52+26	-13.50	-12.05	-12.09	-9.06	-0.20	-9.26	14	Pass
EHT20	SDM	2	233	7115	MCS0	RU 106+26	-10.00	-9.06	-9.01	-6.02	-0.20	-6.22	14	Pass
EHT40	SDM	2	195	6925	MCS0	Full	7.50	8.54	8.05	11.31	-0.20	11.11	14	Pass
EHT40	SDM	2	195	6925	MCS0	RU 242/61	3.50	4.57	4.53	7.56	-0.20	7.36	14	Pass
EHT40	SDM	2	211	7005	MCS0	Full	5.50	6.75	5.82	9.32	-0.20	9.12	14	Pass
EHT40	SDM	2	211	7005	MCS0	RU 242/61	2.00	3.43	2.95	6.21	-0.20	6.01	14	Pass
EHT40	SDM	2	227	7085	MCS0	Full	5.50	6.08	6.57	9.34	-0.20	9.14	14	Pass
EHT40	SDM	2	227	7085	MCS0	RU 242/62	2.00	3.25	2.83	6.06	-0.20	5.86	14	Pass
EHT80	SDM	2	199	6945	MCS0	Full	10.00	10.45	10.77	13.62	-0.20	13.42	14	Pass
EHT80	SDM	2	199	6945	MCS0	RU 484/65	6.50	6.99	7.91	10.49	-0.20	10.29	14	Pass
EHT80	SDM	2	215	7025	MCS0	Full	8.50	9.21	9.17	12.20	-0.20	12.00	14	Pass
EHT80	SDM	2	215	7025	MCS0	RU 484/66	5.00	6.10	5.69	8.91	-0.20	8.71	14	Pass
EHT80	SDM	2	215	7025	MCS0	PC 20,Loc:1	6.25	7.05	7.58	10.33	-0.20	10.13	14	Pass
EHT80	SDM	2	215	7025	MCS0	Large 484+242,Loc:1	6.50	7.65	7.95	10.81	-0.20	10.61	14	Pass
EHT160	SDM	2	207	6985	MCS0	Full	11.00	11.02	11.25	14.15	-0.20	13.95	14	Pass
EHT160	SDM	2	207	6985	MCS0	RU 996/S67	6.50	7.29	7.84	10.59	-0.20	10.39	14	Pass
EHT160	SDM	2	207	6985	MCS0	PC 20,Loc:1	9.00	9.88	10.07	12.99	-0.20	12.79	14	Pass
EHT160	SDM	2	207	6985	MCS0	PC 40,Loc:1	8.50	9.43	9.64	12.55	-0.20	12.35	14	Pass
EHT160	SDM	2	207	6985	MCS0	Large 996+484+242,Loc:1	9.00	10.14	10.28	13.22	-0.20	13.02	14	Pass
EHT160	SDM	2	207	6985	MCS0	Large 996+484,Loc:1	8.50	9.46	9.58	12.53	-0.20	12.33	14	Pass
EHT320	SDM	2	191	6905	MCS0	Full	10.00	10.68	11.37	14.05	-0.20	13.85	14	Pass
EHT320	SDM	2	191	6905	MCS0	RU966*2/70	6.50	6.70	8.11	10.48	-0.20	10.28	14	Pass
EHT320	SDM	2	191	6905	MCS0	PC 40,Loc:1	9.00	9.54	10.32	12.96	-0.20	12.76	14	Pass
EHT320	SDM	2	191	6905	MCS0	PC 80,Loc:1	8.50	9.15	9.67	12.43	-0.20	12.23	14	Pass
EHT320	SDM	2	191	6905	MCS0	PC 80+40,Loc:7	7.50	7.73	8.72	11.26	-0.20	11.06	14	Pass
EHT320	SDM	2	191	6905	MCS0	Large 996*3+484,Loc:1	9.00	9.67	10.50	13.11	-0.20	12.91	14	Pass
EHT320	SDM	2	191	6905	MCS0	Large 996*3,Loc:1	8.50	9.30	9.83	12.58	-0.20	12.38	14	Pass
EHT320	SDM	2	191	6905	MCS0	Large 996*2+484,Loc:7	7.50	7.69	8.73	11.25	-0.20	11.05	14	Pass

3.3 Fundamental Power Spectral Density Measurement

3.3.1 Limit of Fundamental Power Spectral Density

<FCC 14-30 CFR 15.407>

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

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

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

Method SA-2

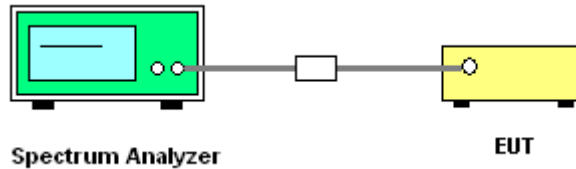
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz.
 - Number of points in sweep $\geq$ 2 Span / RBW.
 - Sweep time = auto.
 - Detector = RMS
 - Trace average at least 100 traces in power averaging mode.
 - Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.
-
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
 2. Each plot has already offset with cable loss, attenuator loss and duty factor. Measure the PPSD and record it.
 3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method (b): Measure and sum spectral maxima across the outputs.

The measurement on each individual output were performed with the same span and number on each individual output. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Note: TPC test report is issued separately.

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

See list of measuring equipment of this test report.

3.4.3 Test Procedures

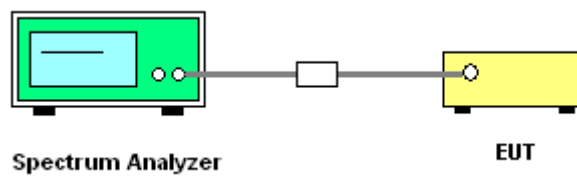
The testing follows FCC KDB 987594 D02 U-NII 6GHz EMC Measurement.

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



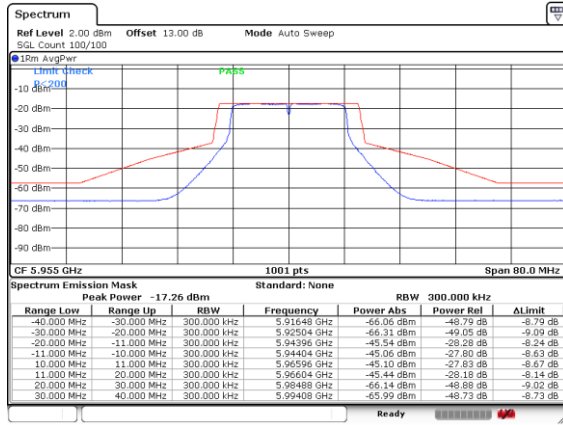


3.4.5 Test Result

MIMO <Ant. 6+7(6)>

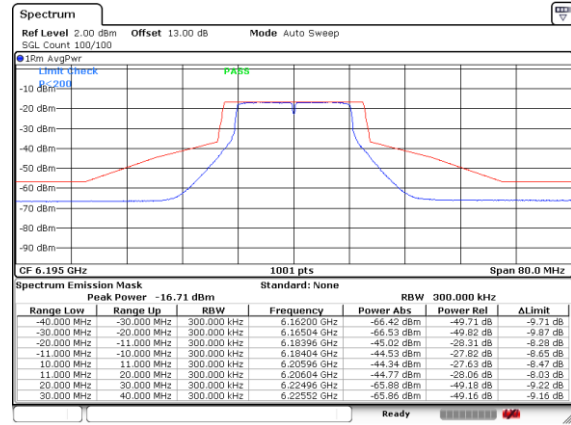
EUT Mode : 802.11a

Plot on Channel 5955MHz



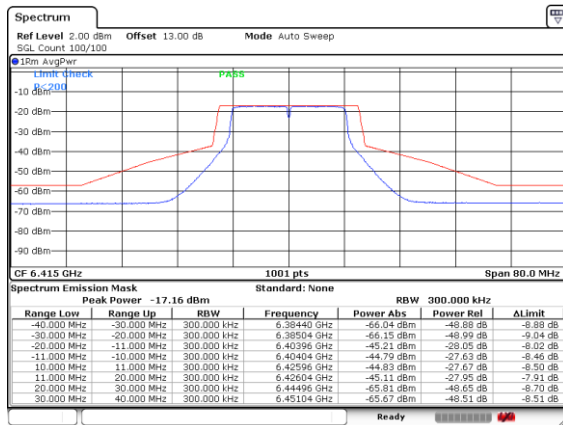
Date: 10 JUL 2025 14:30:41

Plot on Channel 6195MHz



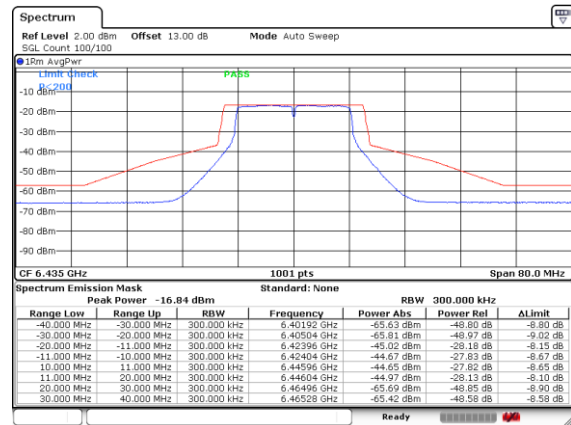
Date: 10 JUL 2025 14:38:15

Plot on Channel 6415MHz



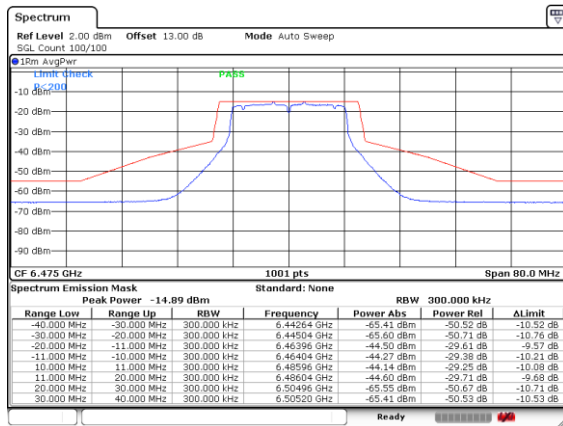
Date: 10 JUL 2025 15:14:57

Plot on Channel 6435MHz



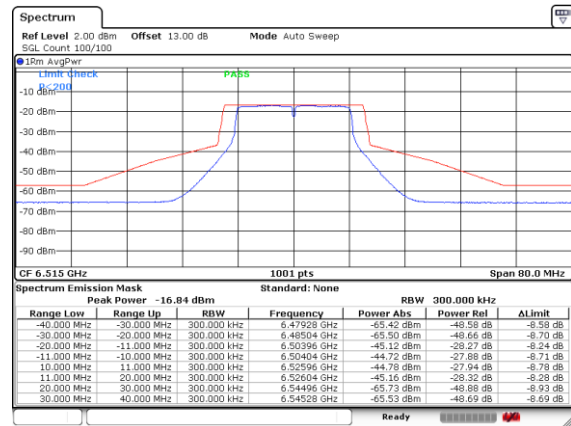
Date: 10 JUL 2025 15:25:03

Plot on Channel 6475MHz



Date: 10 JUL 2025 16:12:32

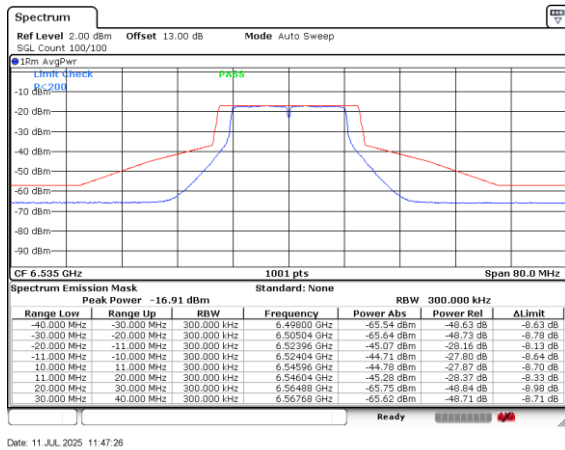
Plot on Channel 6515MHz



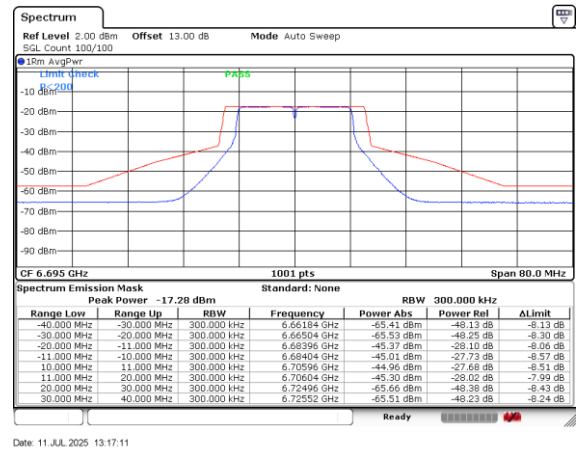
Date: 10 JUL 2025 16:18:04



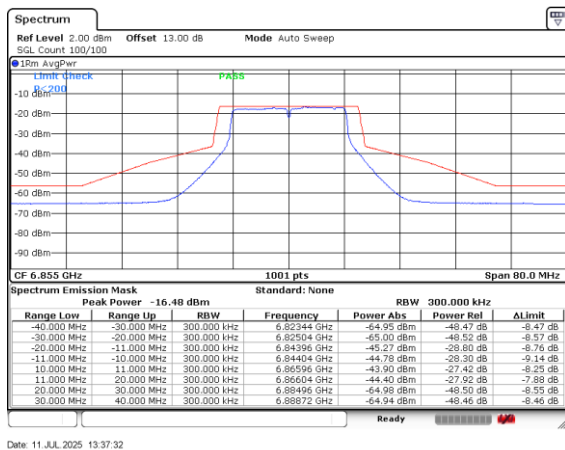
Plot on Channel 6535MHz



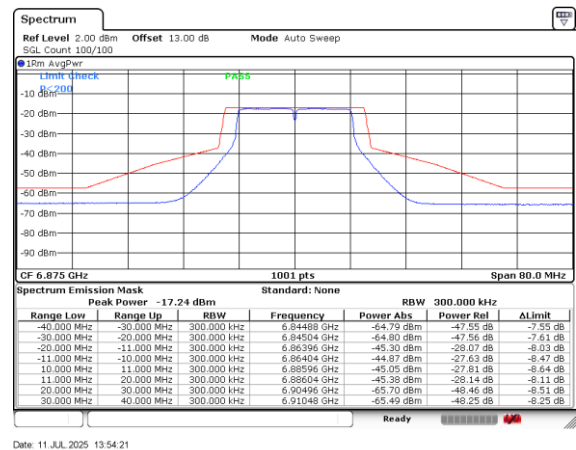
Plot on Channel 6695MHz



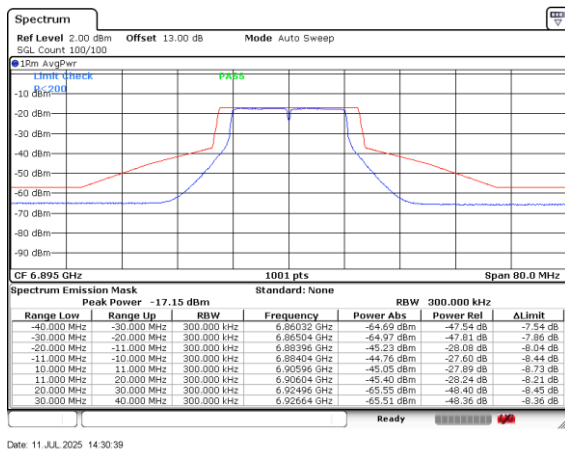
Plot on Channel 6855MHz



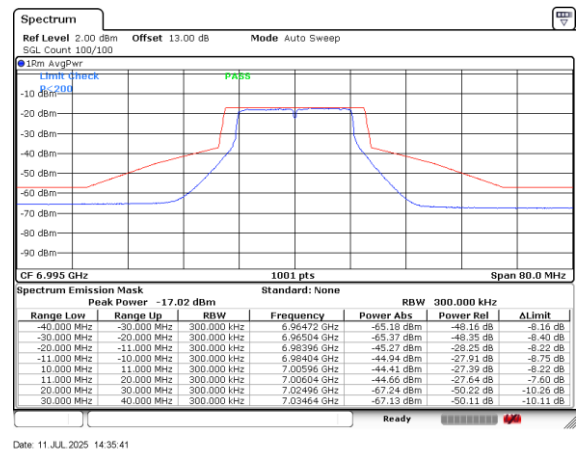
Plot on Channel 6875MHz



Plot on Channel 6895MHz

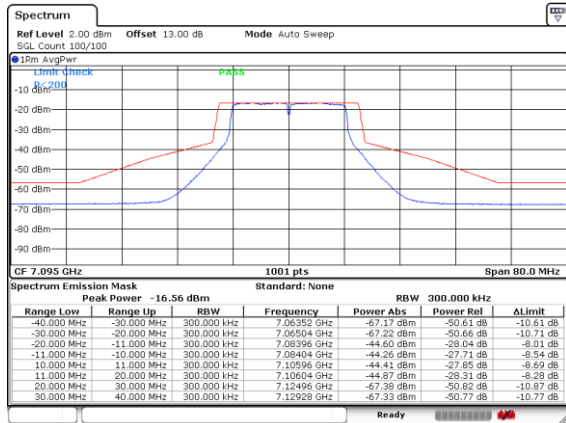


Plot on Channel 6995MHz



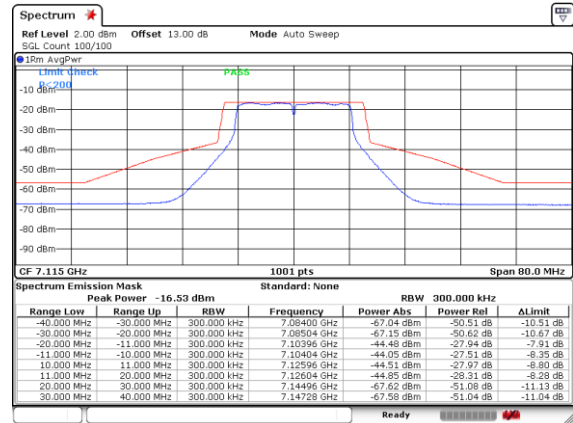


Plot on Channel 7095MHz



Date: 11 JUL 2025 15:04:12

Plot on Channel 7115MHz

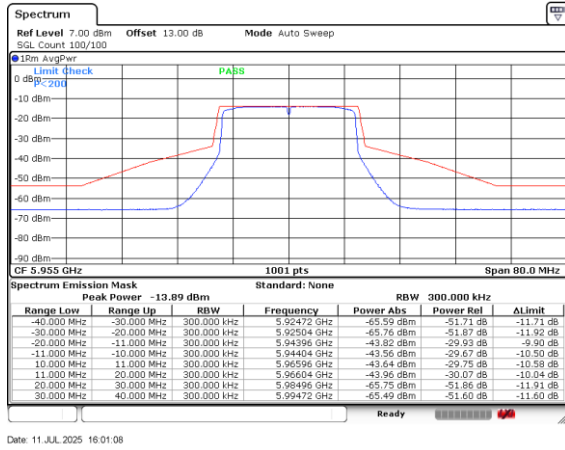


Date: 11 JUL 2025 15:24:48

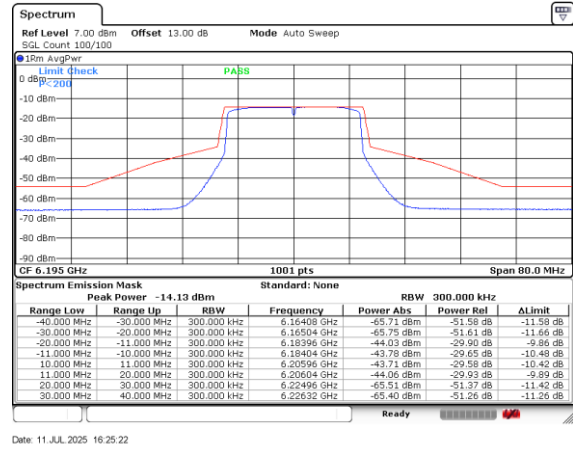


EUT Mode : 802.11be EHT20

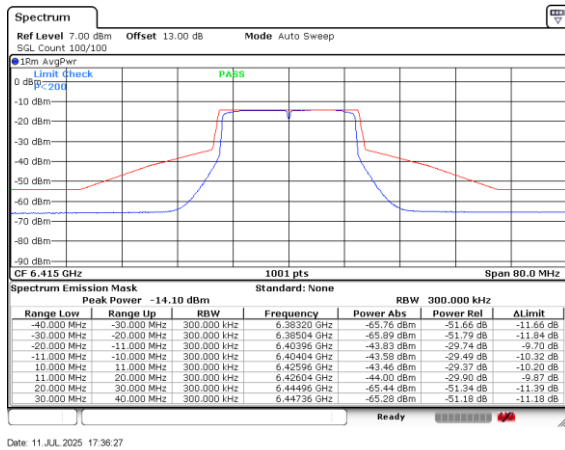
Plot on Channel 5955MHz



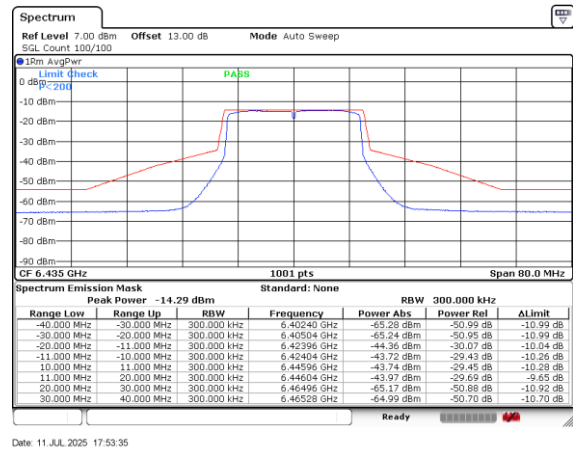
Plot on Channel 6195MHz



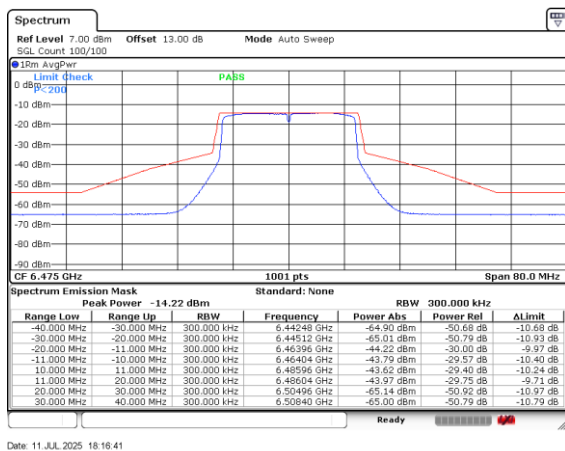
Plot on Channel 6415MHz



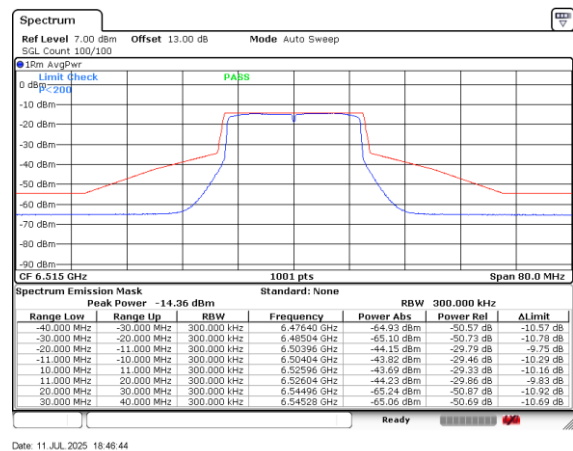
Plot on Channel 6435MHz



Plot on Channel 6475MHz

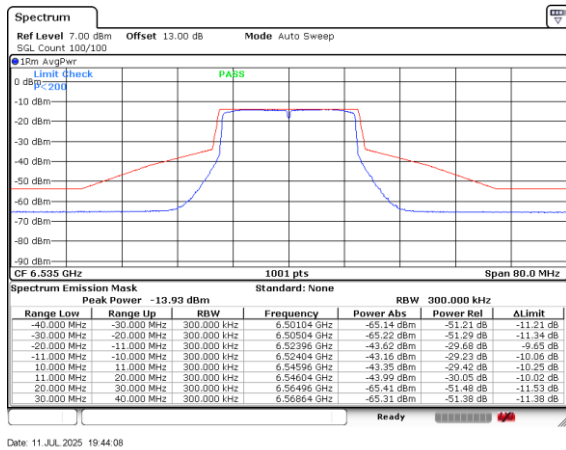


Plot on Channel 6515MHz

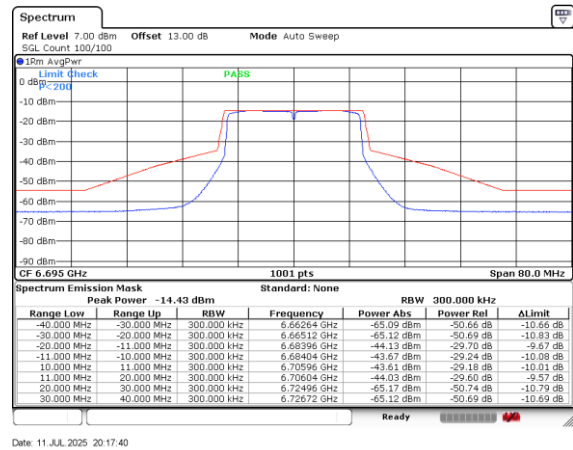




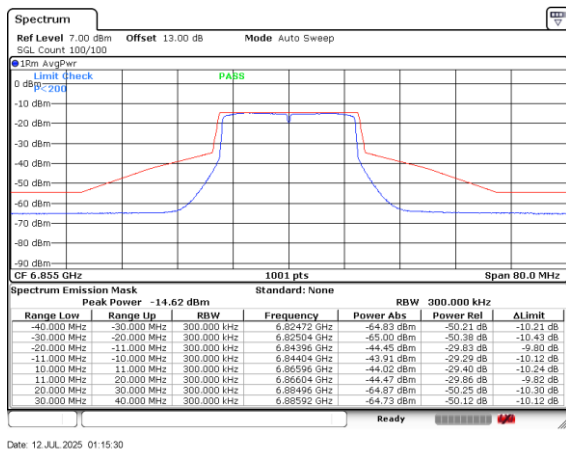
Plot on Channel 6535MHz



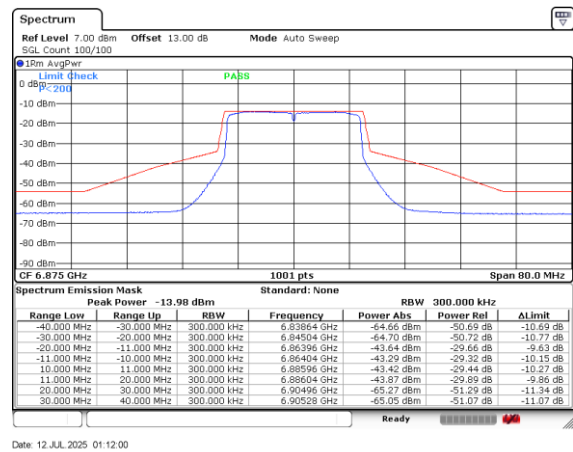
Plot on Channel 6695MHz



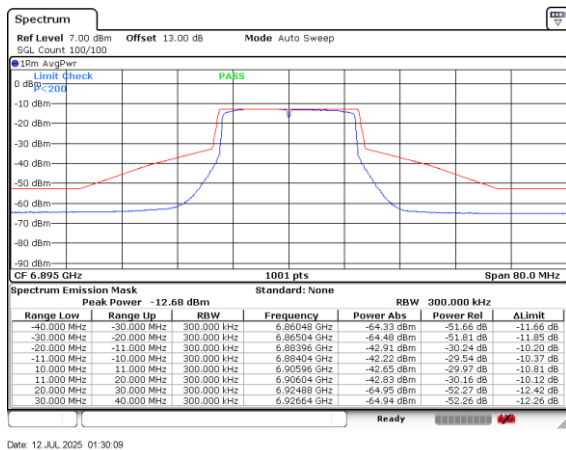
Plot on Channel 6855MHz



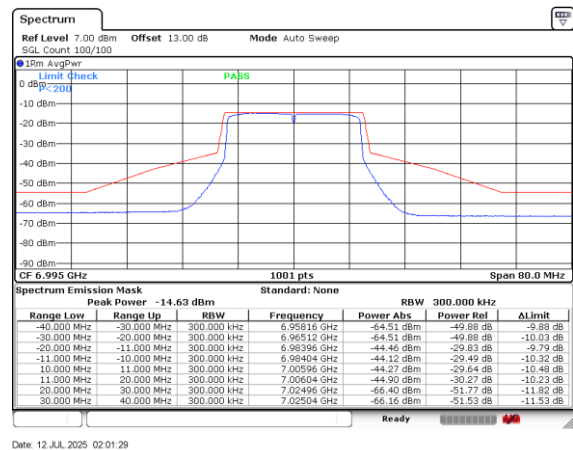
Plot on Channel 6875MHz



Plot on Channel 6895MHz

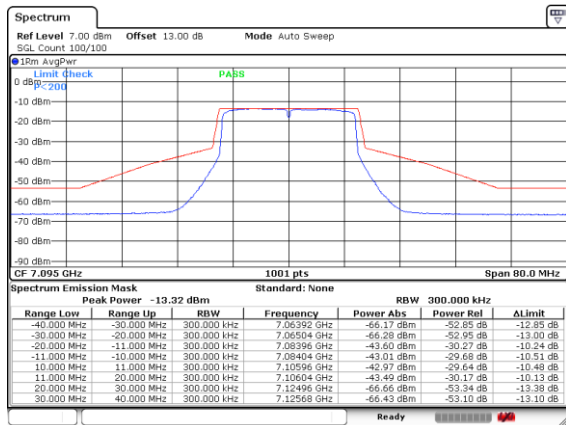


Plot on Channel 6995MHz



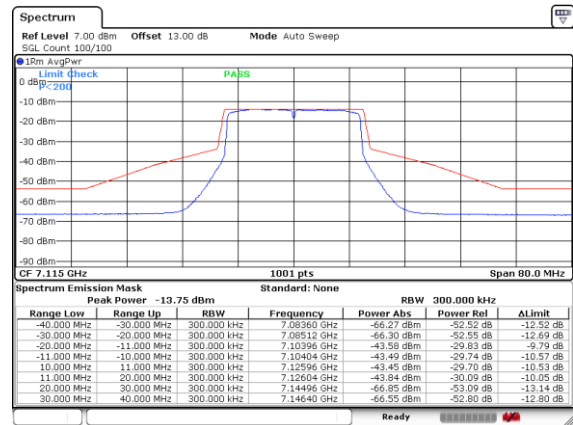


Plot on Channel 7095MHz



Date: 12 JUL 2025 02:18:59

Plot on Channel 7115MHz

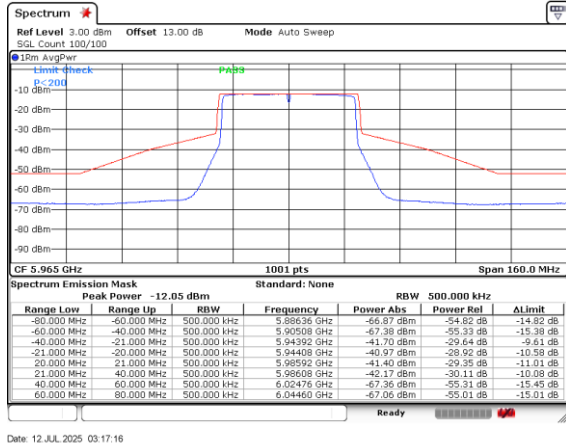


Date: 12 JUL 2025 02:37:44

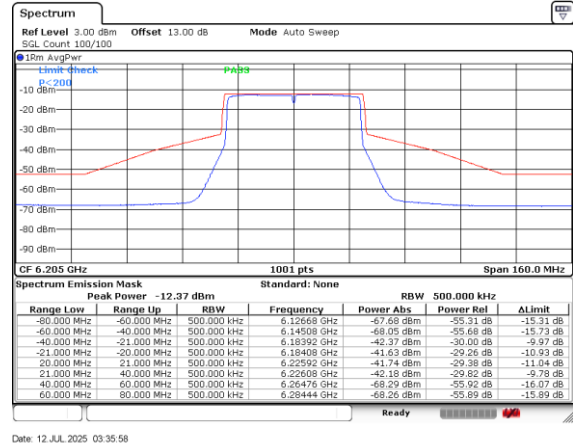


EUT Mode : 802.11be EHT40

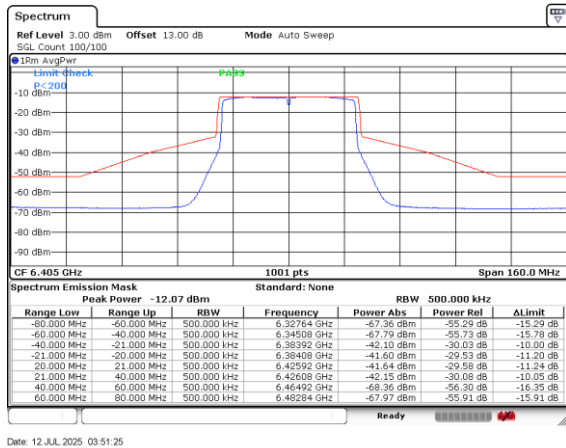
Plot on Channel 5965MHz



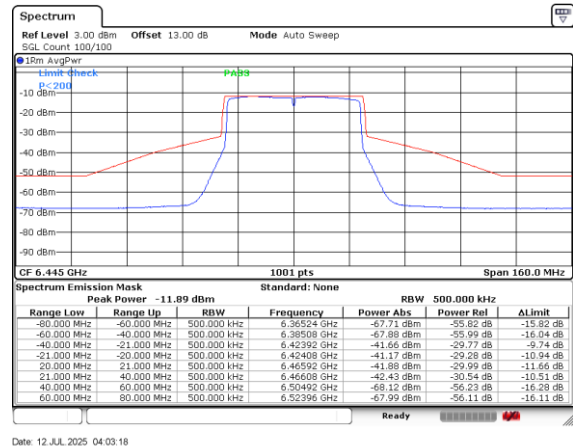
Plot on Channel 6205MHz



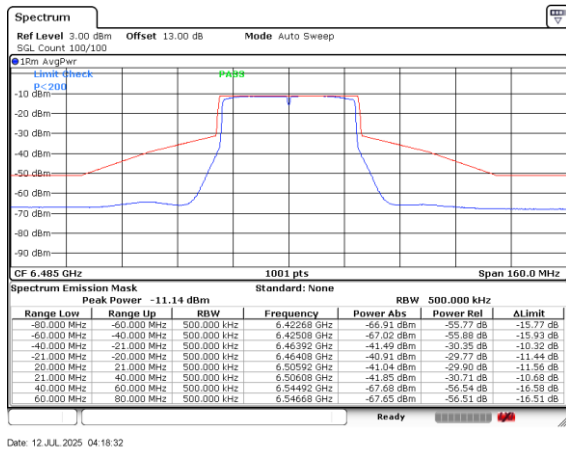
Plot on Channel 6405MHz



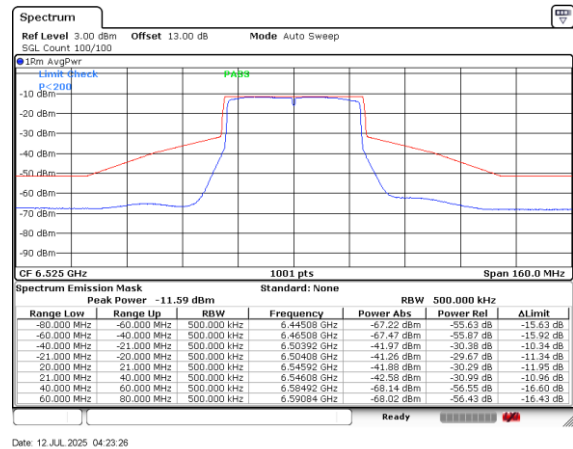
Plot on Channel 6445MHz



Plot on Channel 6485MHz

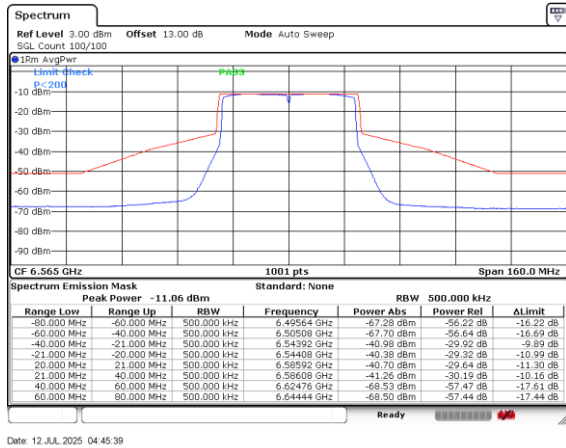


Plot on Channel 6525MHz

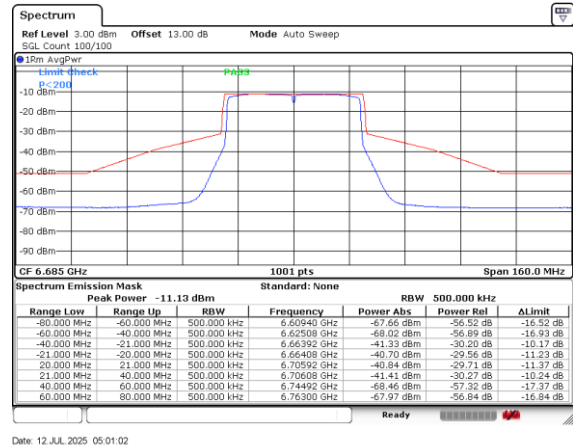




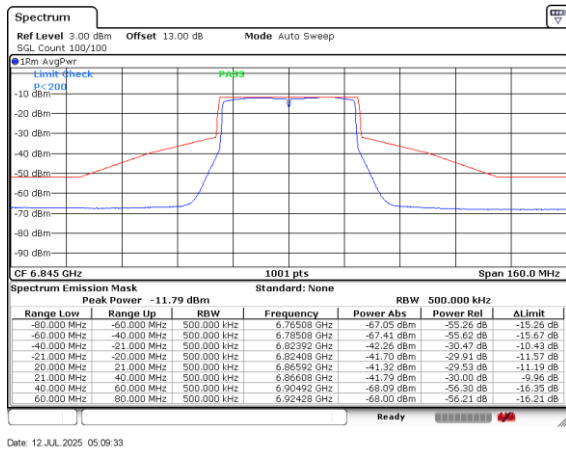
Plot on Channel 6565MHz



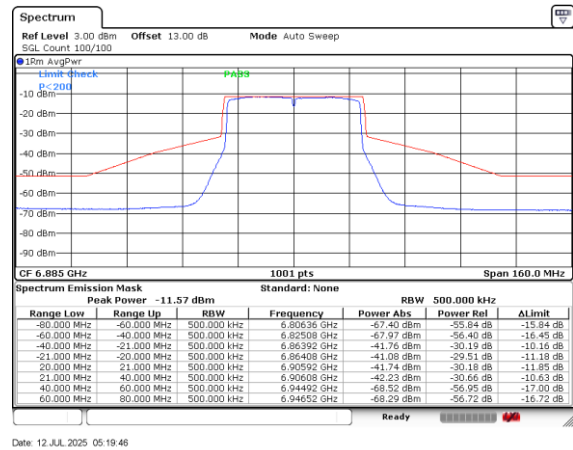
Plot on Channel 6685MHz



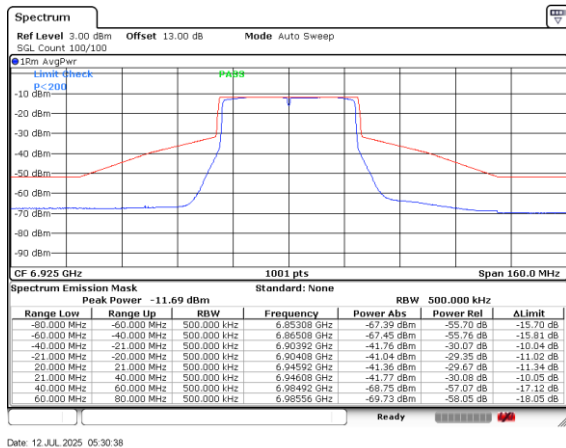
Plot on Channel 6845MHz



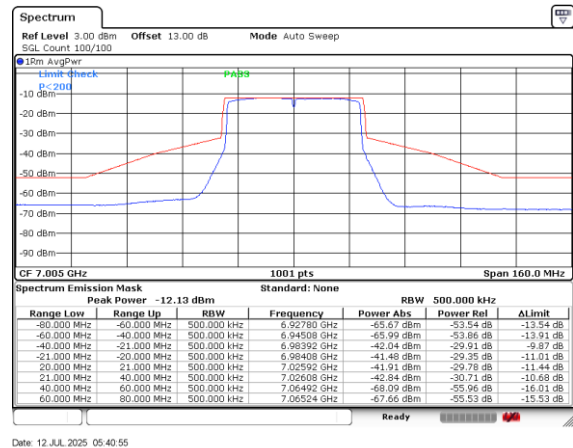
Plot on Channel 6885MHz



Plot on Channel 6925MHz

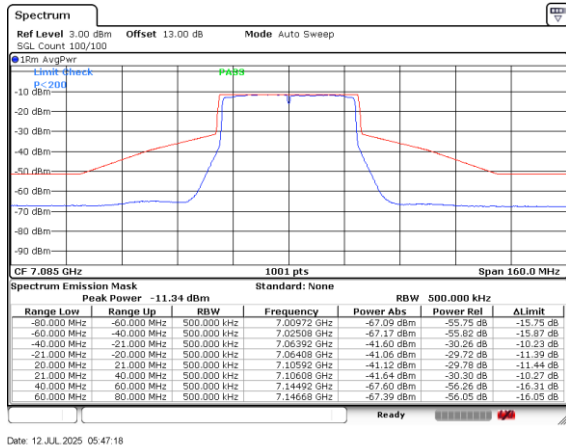


Plot on Channel 7005MHz





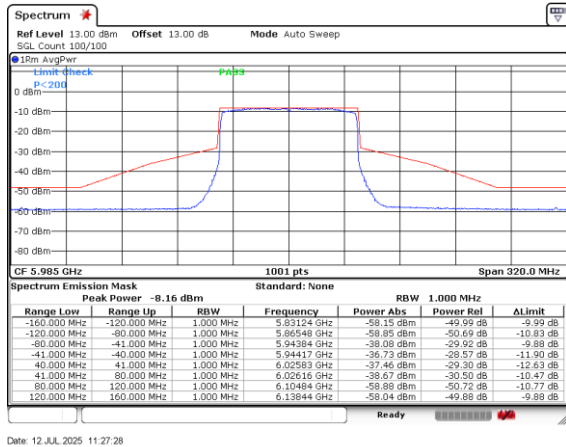
Plot on Channel 7085MHz



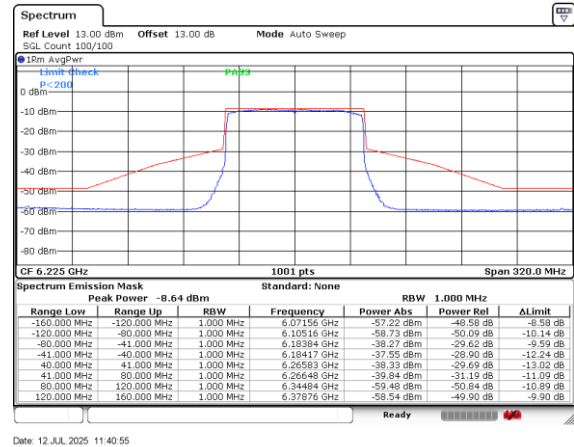


EUT Mode : 802.11be EHT80

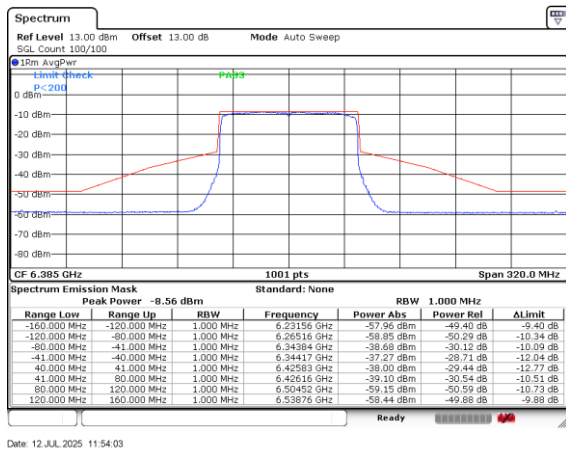
Plot on Channel 5985MHz



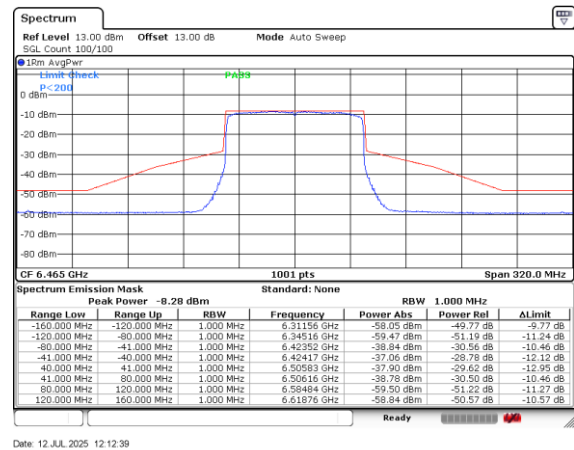
Plot on Channel 6225MHz



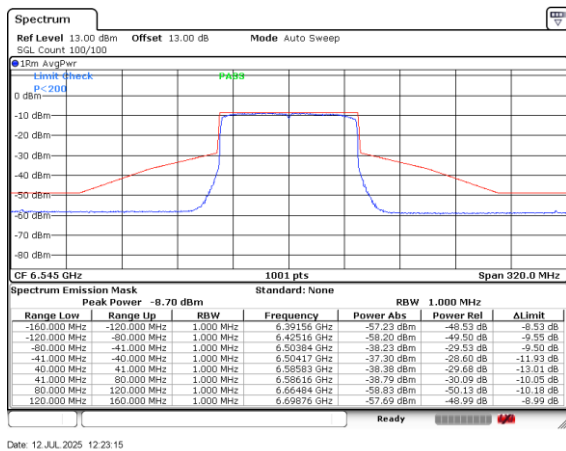
Plot on Channel 6385MHz



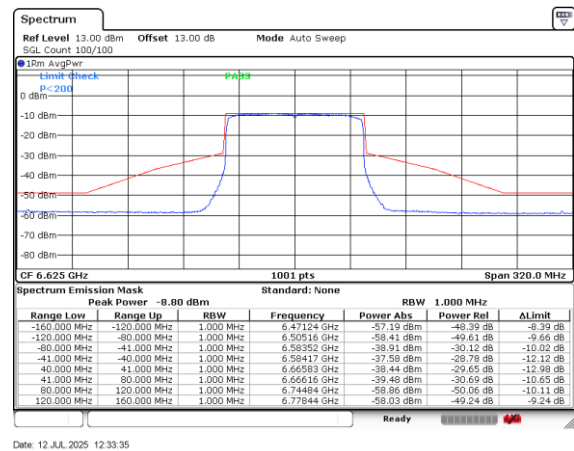
Plot on Channel 6465MHz



Plot on Channel 6545MHz

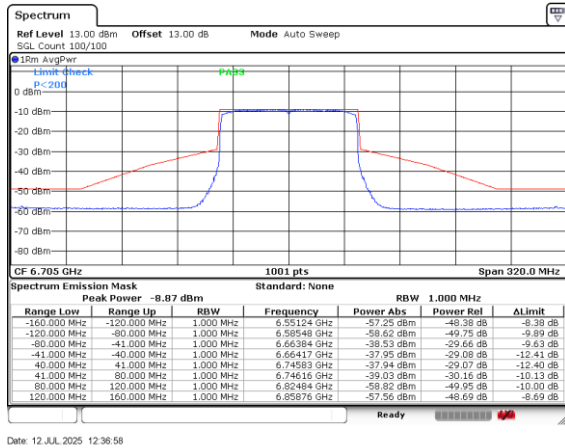


Plot on Channel 6625MHz



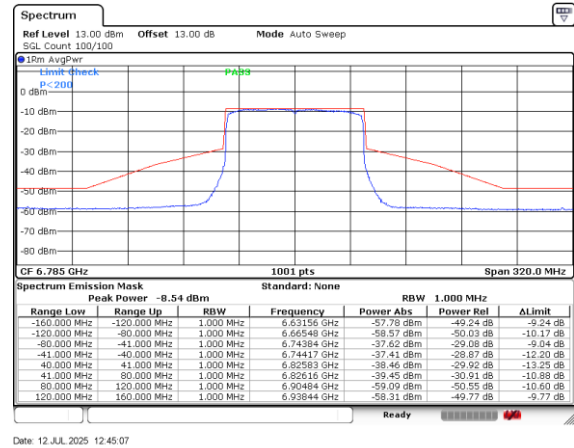


Plot on Channel 6705MHz



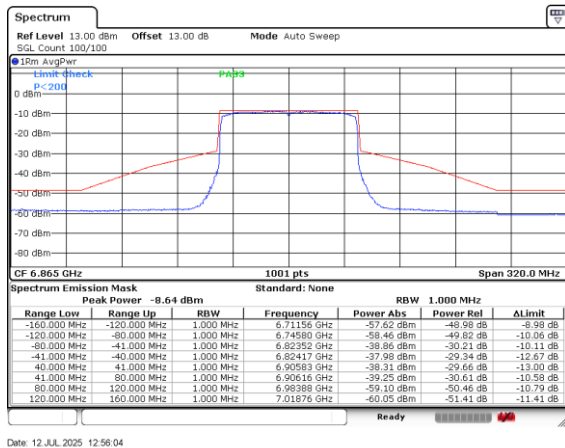
Date: 12 JUL 2025 12:36:58

Plot on Channel 6785MHz



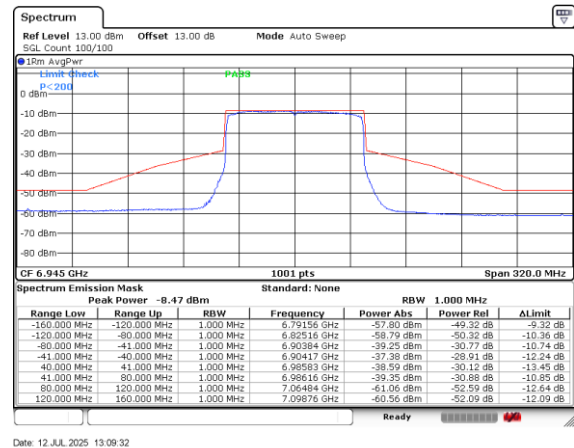
Date: 12 JUL 2025 12:45:07

Plot on Channel 6865MHz



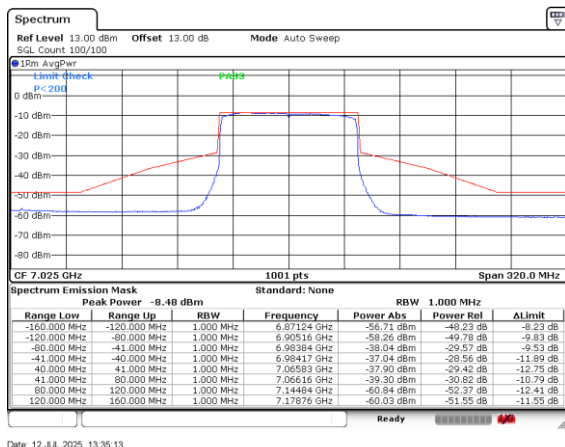
Date: 12 JUL 2025 12:56:04

Plot on Channel 6945MHz



Date: 12 JUL 2025 13:09:32

Plot on Channel 7025MHz

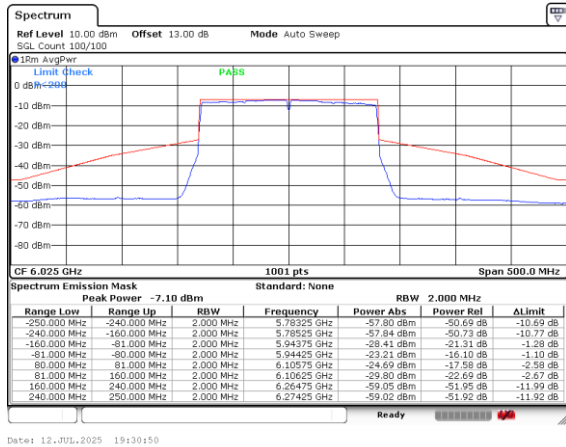


Date: 12 JUL 2025 13:35:13

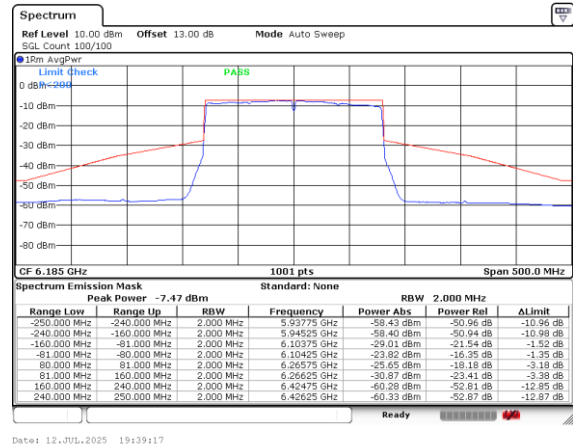


EUT Mode : 802.11be EHT160

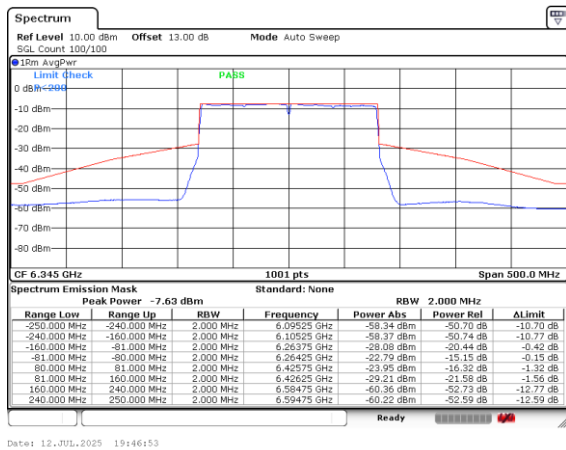
Plot on Channel 6025MHz



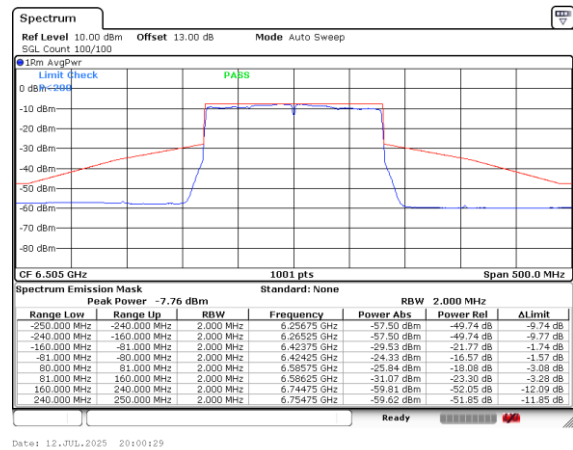
Plot on Channel 6185MHz



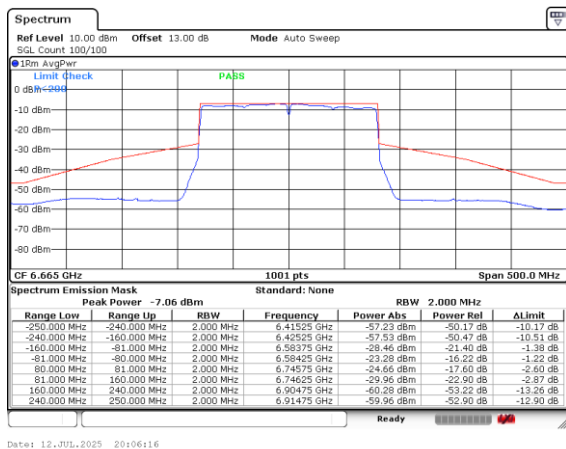
Plot on Channel 6345MHz



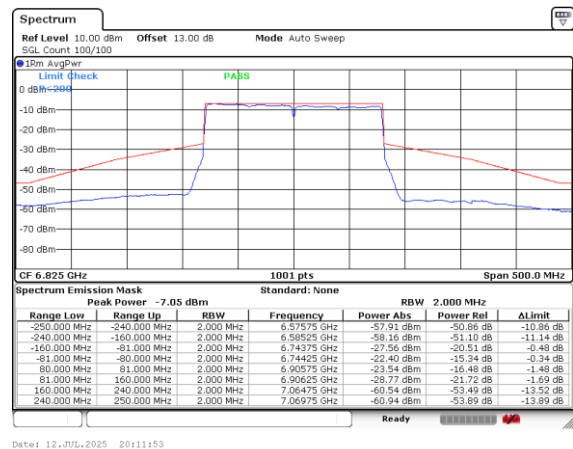
Plot on Channel 6505MHz



Plot on Channel 6665MHz

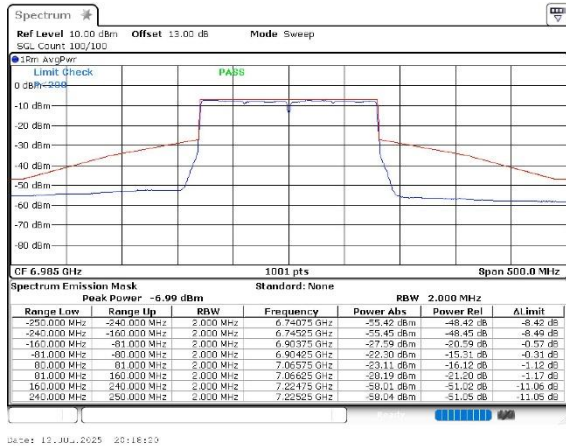


Plot on Channel 6825MHz





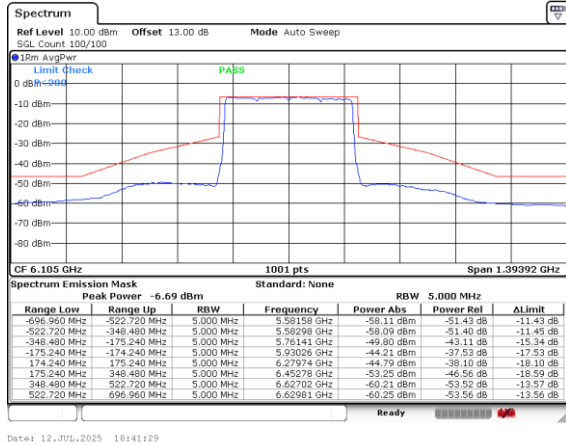
Plot on Channel 6985MHz



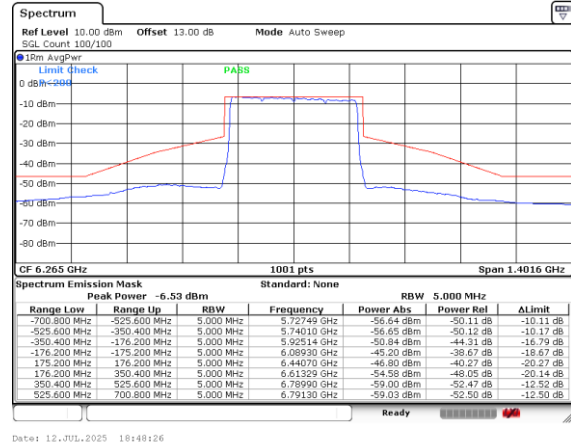


EUT Mode : 802.11be EHT320

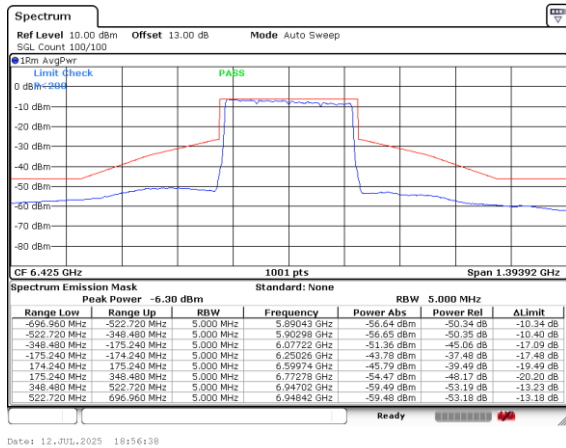
Plot on Channel 6105MHz



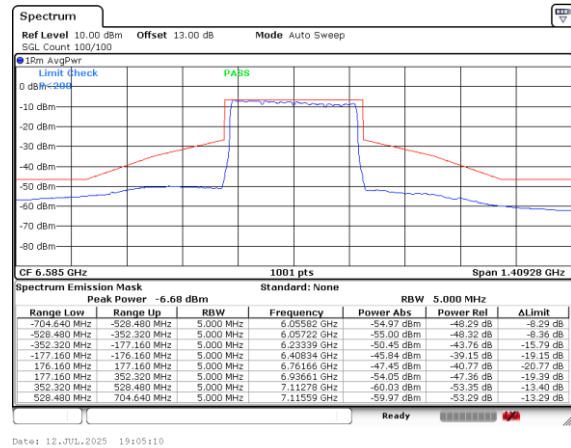
Plot on Channel 6265MHz



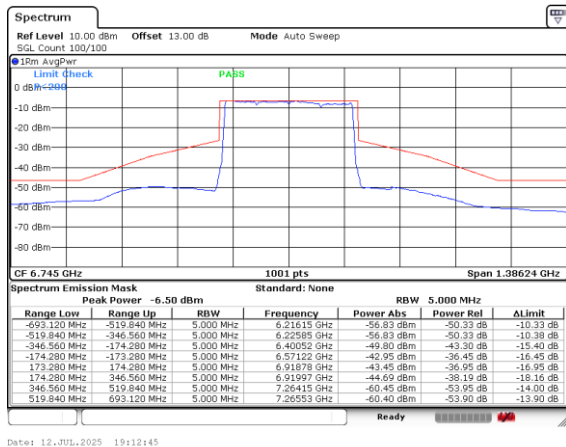
Plot on Channel 6425MHz



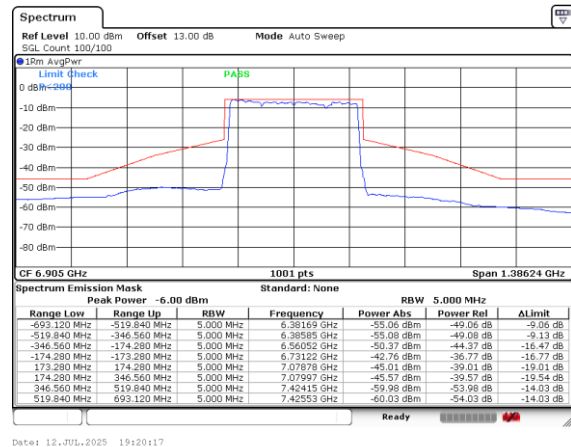
Plot on Channel 6585MHz



Plot on Channel 6745MHz



Plot on Channel 6905MHz

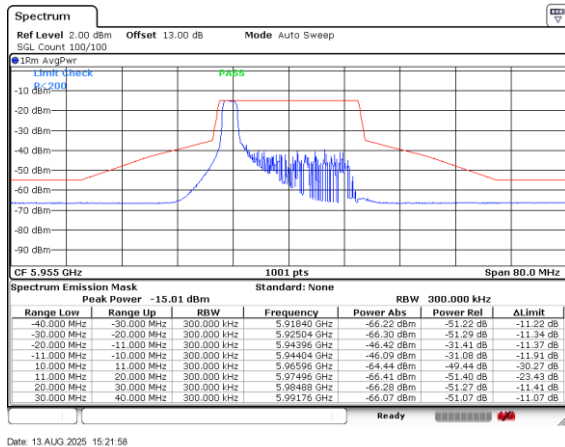




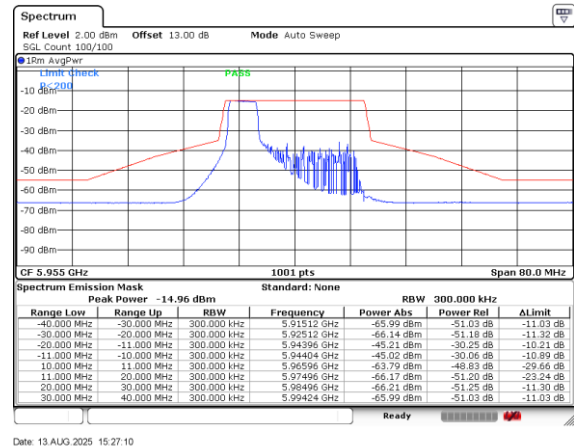
Partial RU

EUT Mode : 802.11ax HE20

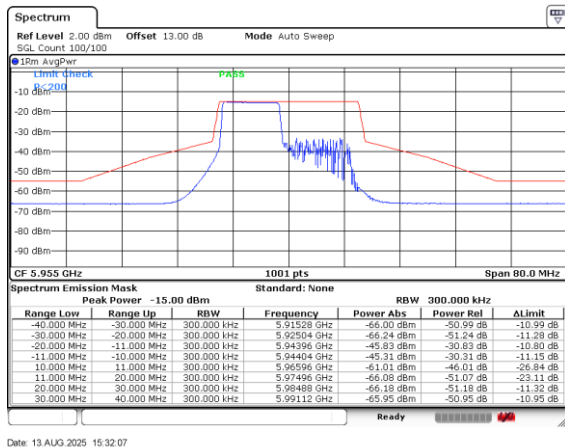
Plot on Channel 5955MHz 26RU0



Plot on Channel 5955MHz 52RU37

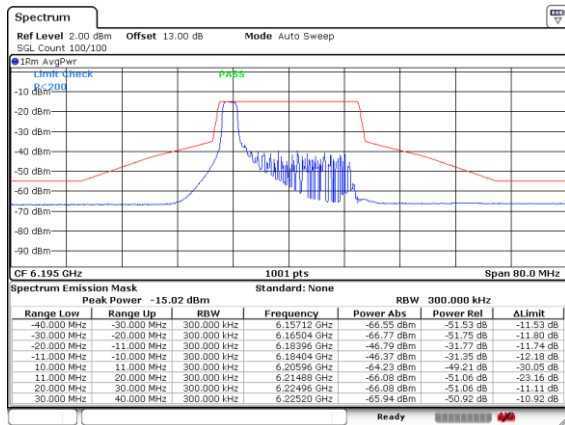


Plot on Channel 5955MHz 106RU53



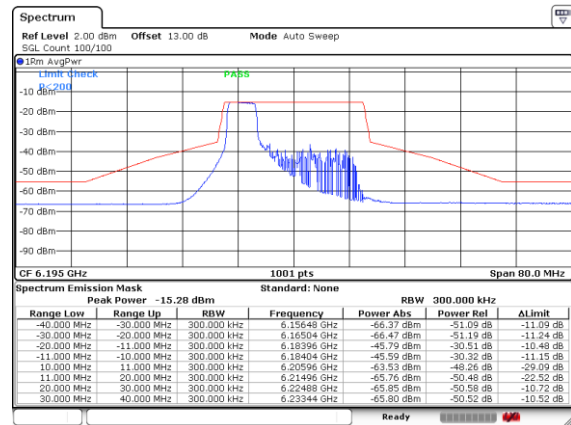


Plot on Channel 6195MHz 26RU0



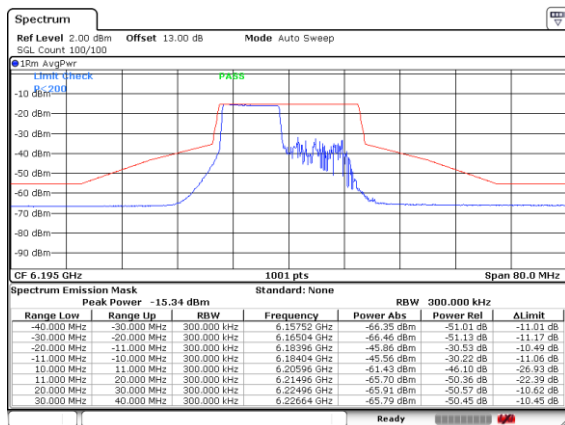
Date: 13.AUG.2025 15:51:53

Plot on Channel 6195MHz 52RU37



Date: 13.AUG.2025 15:56:21

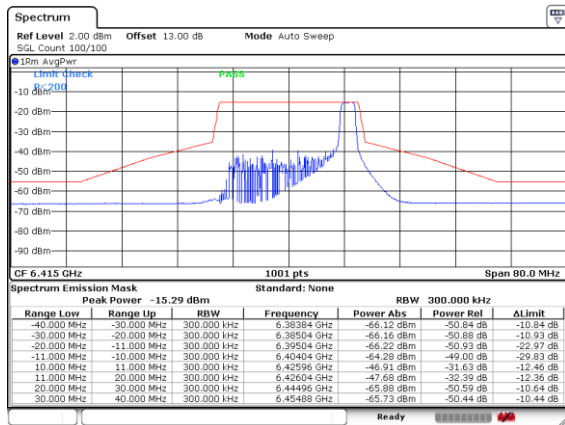
Plot on Channel 6195MHz 106RU53



Date: 13.AUG.2025 15:59:23

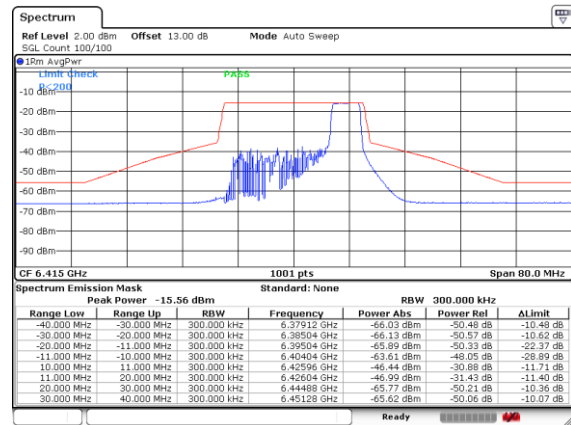


Plot on Channel 6415MHz 26RU8



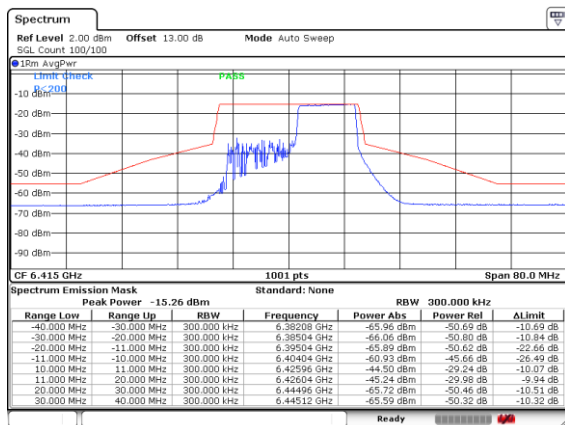
Date: 13.AUG.2025 16:05:37

Plot on Channel 6415MHz 52RU40



Date: 13.AUG.2025 16:10:52

Plot on Channel 6415MHz 106RU54



Date: 13.AUG.2025 16:14:24