

# TEST REPORT

## CERTIFICATE OF CONFORMITY

**Standard:** 47 CFR FCC Part 15, Subpart E (Section 15.407)

**Report No.:** RFBARR-WTW-P23040352-7

**FCC ID:** RAS-MT7925B22M

**Product:** 2TX 11be (WiFi7) BW160 + BT/BLE Combo Card

**Brand:** MediaTek

**Model No.:** MT7925B22M

**Received Date:** 2023/4/17

**Test Date:** 2023/5/4 ~ 2023/7/18

**Issued Date:** 2023/7/28

**Applicant:** MediaTek Inc.

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**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch  
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**FCC Registration /** 723255 / TW2022 for Test Location(1)

**Designation Number:** 788550 / TW0003 for Test Location(2)

**Approved by:** \_\_\_\_\_



Wen Yu / Assistant Manager

**Date:** \_\_\_\_\_

2023/7/28

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Prepared by : Phoenix Huang / Specialist

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## Table of Contents

<b>Release Control Record</b> .....	<b>4</b>
<b>1 Certificate</b> .....	<b>5</b>
<b>2 Summary of Test Results</b> .....	<b>6</b>
2.1 Measurement Uncertainty .....	6
2.2 Supplementary Information .....	6
<b>3 General Information</b> .....	<b>7</b>
3.1 General Description of EUT .....	7
3.2 Antenna Description of EUT .....	9
3.3 Channel List .....	11
3.4 Test Mode Applicability and Tested Channel Detail .....	13
3.5 Duty Cycle of Test Signal .....	26
3.6 Test Program Used and Operation Descriptions .....	38
3.7 Connection Diagram of EUT and Peripheral Devices .....	38
3.8 Configuration of Peripheral Devices and Cable Connections .....	39
<b>4 Test Instruments</b> .....	<b>40</b>
4.1 Maximum RF Output Power .....	40
4.2 Maximum Power Spectral Density .....	40
4.3 Emission Bandwidth .....	40
4.4 In-Band Emission Mask .....	40
4.5 Occupied Bandwidth .....	40
4.6 Frequency Stability .....	41
4.7 Contention-based Protocol .....	41
4.8 AC Power Conducted Emissions .....	42
4.9 Unwanted Emissions below 1 GHz .....	42
4.10 Unwanted Emissions above 1 GHz .....	43
<b>5 Limits of Test Items</b> .....	<b>44</b>
5.1 Maximum RF Output Power .....	44
5.2 Maximum Power Spectral Density .....	44
5.3 Emission Bandwidth .....	44
5.4 In-Band Emission Mask .....	45
5.5 Occupied Bandwidth .....	45
5.6 Frequency Stability .....	45
5.7 Contention-based Protocol .....	45
5.8 AC Power Conducted Emissions .....	45
5.9 Unwanted Emissions below 1 GHz .....	46
5.10 Unwanted Emissions above 1 GHz .....	46
<b>6 Test Arrangements</b> .....	<b>47</b>
6.1 Maximum RF Output Power .....	47
6.1.1 Test Setup .....	47
6.1.2 Test Procedure .....	47
6.2 Maximum Power Spectral Density .....	47
6.2.1 Test Setup .....	47
6.2.2 Test Procedure .....	47
6.3 Emission Bandwidth .....	48
6.3.1 Test Setup .....	48
6.3.2 Test Procedure .....	48
6.4 In-Band Emission Mask .....	48
6.4.1 Test Setup .....	48
6.4.2 Test Procedure .....	48
6.5 Occupied Bandwidth .....	49
6.5.1 Test Setup .....	49
6.5.2 Test Procedure .....	49
6.6 Frequency Stability .....	49
6.6.1 Test Setup .....	49



6.6.2	Test Procedure	49
6.7	Contention-based Protocol	50
6.7.1	Test Setup	50
6.7.2	Test Procedure	50
6.8	AC Power Conducted Emissions	51
6.8.1	Test Setup	51
6.8.2	Test Procedure	51
6.9	Unwanted Emissions below 1 GHz	52
6.9.1	Test Setup	52
6.9.2	Test Procedure	53
6.10	Unwanted Emissions above 1 GHz	55
6.10.1	Test Setup	55
6.10.2	Test Procedure	56
<b>7</b>	<b>Test Results of Test Item</b>	<b>57</b>
7.1	Maximum RF Output Power	57
7.2	Maximum Power Spectral Density	87
7.3	Emission Bandwidth	120
7.4	In-Band Emission Mask	146
7.5	Occupied Bandwidth	247
7.6	Frequency Stability	272
7.7	Contention-based Protocol (Subcontract Item)	273
7.8	AC Power Conducted Emissions	282
7.9	Unwanted Emissions below 1 GHz	286
7.10	Unwanted Emissions above 1 GHz	293
<b>8</b>	<b>Operational Restrictions for 6 GHz U-NII Devices</b>	<b>1779</b>
<b>9</b>	<b>Pictures of Test Arrangements</b>	<b>1780</b>
<b>10</b>	<b>Information of the Testing Laboratories</b>	<b>1781</b>



## Release Control Record

Issue No.	Description	Date Issued
RFBARR-WTW-P23040352-7	Original release.	2023/7/28

## 1 Certificate

**Product:** 2TX 11be (WiFi7) BW160 + BT/BLE Combo Card

**Brand:** MediaTek

**Test Model:** MT7925B22M

**Sample Status:** Engineering sample

**Applicant:** MediaTek Inc.

**Test Date:** 2023/5/4 ~ 2023/7/18

**Standard:** 47 CFR FCC Part 15, Subpart E (Section 15.407)

**Measurement** ANSI C63.10-2013

**procedure:**

KDB 987594 D02 U-NII 6 GHz EMC Measurement v01v01

KDB 789033 D02 General UNII Test Procedure New Rules v02r01

KDB 662911 D01 Multiple Transmitter Output v02r01

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

## 2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(7)(8)	Maximum RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(7)(8)	Maximum Power Spectral Density	Pass	Meet the requirement of limit.
15.407(a)(10)	Emission Bandwidth	Pass	Meet the requirement of limit.
15.407(a)(10)	Occupied Bandwidth	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -7.17 dB at 0.15250 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -0.5 dB at 299.30 MHz
15.407(b)(6) 15.407(b)(10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.01 dB at 5925.00 MHz
15.407(b)(7)	In-Band Emission Mask	Pass	Meet the requirement of limit.
15.407(d)(6)	Contention-based Protocol	Pass	Meet the requirement of limit.
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(d)	Operational restrictions for 6 GHz U-NII devices	Pass	Declaration by applicant
15.203	Antenna Requirement	Pass	Antenna connector is i-pex(MHF), R-SMA, RP SMA PLUG, IPEX not a standard connector.

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

### 2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Specification	Expanded Uncertainty (k=2) (±)
AC Power Conducted Emissions	150 kHz ~ 30 MHz	1.9 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.1 dB
	30 MHz ~ 1 GHz	5.5 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.1 dB
	18 GHz ~ 40 GHz	5.3 dB

The other instruments specified are routine verified to remain within the calibrated levels, no measurement uncertainty is required to be calculated.

### 2.2 Supplementary Information

There is not any deviation from the test standards for the test method, and no modifications required for compliance.

### 3 General Information

#### 3.1 General Description of EUT

Product	2TX 11be (WiFi7) BW160 + BT/BLE Combo Card
Brand	MediaTek
Test Model	MT7925B22M
Status of EUT	Engineering sample
Power Supply Rating	3.3 Vdc from host equipment
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM for OFDMA in 11ax mode 4096QAM for OFDMA in 11be mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: up to 54 Mbps 802.11ax: up to 2401.9 Mbps 802.11be: up to 2882.4 Mbps
Operating Frequency	5.955 GHz ~ 6.415 GHz 6.435 GHz ~ 6.525 GHz 6.535 GHz ~ 6.865 GHz 6.875 GHz ~ 7.115 GHz
Number of Channel	802.11a, 802.11ax (HE20), 802.11be (EHT20): 59 802.11ax (HE40), 802.11be (EHT40): 29 802.11ax (HE80), 802.11be (EHT80): 14 802.11ax (HE160), 802.11be (EHT160): 7
Resource Unit (RU)	Single RU: 26-tone, 52-tone, 106-tone, 242-tone, 484-tone, 996-tone, 2 * 996-tone Multi-RU (Small RU): 52-tone + 26-tone, 106-tone + 26-tone Multi-RU (Large RU): 484-tone + 242-tone, 996-tone + 484-tone, 996-tone + 484-tone + 242-tone
Output Power	(under control of a low-power indoor AP) 5.955 GHz ~ 6.415 GHz : EIRP: 103.505 mW (20.15 dBm) 6.435 GHz ~ 6.525 GHz : EIRP: 103.727 mW (20.16 dBm) 6.535 GHz ~ 6.865 GHz : EIRP: 101.393 mW (20.06 dBm) 6.875 GHz ~ 7.115 GHz : EIRP: 102.564 mW (20.11 dBm) (under control of a Standard power AP) 5.955 GHz ~ 6.415 GHz : EIRP: 996.637 mW (29.99 dBm) 6.535 GHz ~ 6.855 GHz : EIRP: 989.919 mW (29.96 dBm)
Equipment Class	dual client devices

Note:

1. There are Bluetooth and WLAN (2.4 GHz & 5 GHz & 5.9G & 6 GHz) technology used for the EUT.
2. Simultaneously transmission condition.

Condition	Technology	
1	WLAN (2.4 GHz) (1TX)	WLAN (5 GHz) (1TX)
2	WLAN (2.4 GHz) (1TX)	WLAN (5.9 GHz) (1TX)
3	WLAN (2.4 GHz) (1TX)	WLAN (6 GHz) (1TX)
4	WLAN (5 GHz) (1TX)	WLAN (6 GHz) (1TX)
5	WLAN (5 GHz) (2TX)	Bluetooth
6	WLAN (5.9 GHz) (2TX)	Bluetooth
7	WLAN (6GHz) (2TX)	Bluetooth

Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.

3. The EUT has below Sku numbers, which are identical to each other in all aspects except for the following table:

Sku No	Brand	Model	Different
Sku1	MediaTek	MT7925B22M	DVDDIO 3.3V, power from platform.
Sku2	MediaTek	MT7925B22M	DVDDIO 1.8V, power from IC PMU. (Power Management Unit).

4. The EUT support OFDMA and Partial RU mode, therefore partial RU combination were investigated and the worst case scenario was identified.

5. The EUT support MRU mode is listed as below.

BW	Small size		Large size		
	52+26	106+26	484+242	996+484	996+484+242
20MHz	v	v	-	-	-
40MHz	v	v	-	-	-
80MHz	v	v	v	-	-
160MHz	v	v	v	v	v

6. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.



### 3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna Set No.	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connector Type	Cable Length (mm)
1	Chain0	PSA	RFMTA311020EMMB301	1.71 4.82 4.76 4.29 4.61 4.09	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	200
	Chain1	PSA	RFMTA311020EMMB301	1.71 4.82 4.76 4.29 4.61 4.09	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	200
2	Chain0	PSA	RFMTA421230IMMB701	-13.92 -13.91 -13.91 -14.46	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	300
	Chain1	PSA	RFMTA421230IMMB701	-13.92 -13.91 -13.91 -14.46	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	300
3	Chain0	VSO	JR2Q00340-1	1.62 3.2 3.93 3.61 3.61 3.14	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	RP SMA PLUG	40
	Chain1	VSO	JR2Q00340-1	1.62 3.2 3.93 3.61 3.61 3.14	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	RP SMA PLUG	40
4	Chain0	PSA	RFPCA460632IMMB701	-13.2 -13.67 -13.67 -13.09	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	IPEX	320
	Chain1	PSA	RFPCA460632IMMB701	-13.2 -13.67 -13.67 -13.09	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	IPEX	320

\* Detail antenna specification please refer to antenna datasheet and/or antenna measurement report.

2. The EUT incorporates a MIMO function:

<b>6 GHz Band</b>		
<b>Modulation Mode</b>	<b>TX &amp; RX Configuration</b>	
<b>802.11a</b>	1TX (Diversity) / 2TX	2RX
<b>802.11ax (HE20)</b>	1TX (Diversity) / 2TX	2RX
<b>802.11ax (HE40)</b>	1TX (Diversity) / 2TX	2RX
<b>802.11ax (HE80)</b>	1TX (Diversity) / 2TX	2RX
<b>802.11ax (HE160)</b>	1TX (Diversity) / 2TX	2RX
<b>802.11be (EHT20)</b>	1TX (Diversity) / 2TX	2RX
<b>802.11be (EHT40)</b>	1TX (Diversity) / 2TX	2RX
<b>802.11be (EHT80)</b>	1TX (Diversity) / 2TX	2RX
<b>802.11be (EHT160)</b>	1TX (Diversity) / 2TX	2RX
<b>802.11ax (RU26/52/106/242/484/996/996x2)</b>	1TX (Diversity) / 2TX	2RX
<b>802.11be (RU26/52/106/242/484/996/996x2/ MRU52+26/106+26/484+242/ 996+484/996+484+242)</b>	1TX (Diversity) / 2TX	2RX

Note:

1. The modulation and bandwidth are similar for 802.11ax mode for 20 MHz (40 MHz, 80 MHz, 160 MHz) and 802.11be mode for 20 MHz (40 MHz, 80 MHz, 160 MHz) therefore the manufacturer will control the power for 802.11ax mode is same as the 802.11be mode or more lower than it and investigated worst case to representative mode in test report.

### 3.3 Channel List

#### U-NII-5: Under control of a Low-power Indoor AP and Standard Power AP

24 channels are provided for 802.11a, 802.11ax (HE20), 802.11be (EHT20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	5955 MHz	5	5975 MHz	9	5995 MHz	13	6015 MHz
17	6035 MHz	21	6055 MHz	25	6075 MHz	29	6095 MHz
33	6115 MHz	37	6135 MHz	41	6155 MHz	45	6175 MHz
49	6195 MHz	53	6215 MHz	57	6235 MHz	61	6255 MHz
65	6275 MHz	69	6295 MHz	73	6315 MHz	77	6335 MHz
81	6355 MHz	85	6375 MHz	89	6395 MHz	93	6415 MHz

12 channels are provided for 802.11ax (HE40), 802.11be (EHT40):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
3	5965 MHz	11	6005 MHz	19	6045 MHz	27	6085 MHz
35	6125 MHz	43	6165 MHz	51	6205 MHz	59	6245 MHz
67	6285 MHz	75	6325 MHz	83	6365 MHz	91	6405 MHz

6 channels are provided for 802.11ax (HE80), 802.11be (EHT80):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
7	5985 MHz	23	6065 MHz	39	6145 MHz	55	6225 MHz
71	6305 MHz	87	6385 MHz				

3 channels are provided for 802.11ax (HE160), 802.11be (EHT160):

Channel	Frequency	Channel	Frequency	Channel	Frequency
15	6025 MHz	47	6185 MHz	79	6345 MHz

#### U-NII-6: Under control of a Low-power Indoor AP

5 channels are provided for 802.11a, 802.11ax (HE20), 802.11be (EHT20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
97	6435 MHz	101	6455 MHz	105	6475 MHz	109	6495 MHz
113	6515 MHz						

3 channels are provided for 802.11ax (HE40), 802.11be (EHT40):

Channel	Frequency	Channel	Frequency	Channel	Frequency
99	6445 MHz	107	6485 MHz	*115	6525 MHz

1 channel is provided for 802.11ax (HE80), 802.11be (EHT80):

Channel	Frequency
103	6465 MHz

1 channel is provided for 802.11ax (HE160), 802.11be (EHT160):

Channel	Frequency
*111	6505 MHz

### U-NII-7: Under control of a Low-power Indoor AP and Standard Power AP

17 channels are provided for 802.11a, 802.11ax (HE20), 802.11be (EHT20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
117	6535 MHz	121	6555 MHz	125	6575 MHz	129	6595 MHz
133	6615 MHz	137	6635 MHz	141	6655 MHz	145	6675 MHz
149	6695 MHz	153	6715 MHz	157	6735 MHz	161	6755 MHz
165	6775 MHz	169	6795 MHz	173	6815 MHz	177	6835 MHz
181	6855 MHz						

8 channels are provided for 802.11ax (HE40), 802.11be (EHT40):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
123	6565 MHz	131	6605 MHz	139	6645 MHz	147	6685 MHz
155	6725 MHz	163	6765 MHz	171	6805 MHz	179	6845 MHz

5 channels are provided for 802.11ax (HE80), 802.11be (EHT80):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
*119	6545 MHz	135	6625 MHz	151	6705 MHz	167	6785 MHz
*183	6865 MHz						

2 channels are provided for 802.11ax (HE160), 802.11be (EHT160):

Channel	Frequency	Channel	Frequency
143	6665 MHz	175	*6825 MHz

### U-NII-8: Under control of a Low-power Indoor AP

13 channels are provided for 802.11a, 802.11ax (HE20), 802.11be (EHT20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
185	6875 MHz	189	6895 MHz	193	6915 MHz	197	6935 MHz
201	6955 MHz	205	6975 MHz	209	6995 MHz	213	7015 MHz
217	7035 MHz	221	7055 MHz	225	7075 MHz	229	7095 MHz
233	7115 MHz						

6 channels are provided for 802.11ax (HE40), 802.11be (EHT40):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
187	6885 MHz	195	6925 MHz	203	6965 MHz	211	7005 MHz
219	7045 MHz	227	7085 MHz				

2 channels are provided for 802.11ax (HE80), 802.11be (EHT80):

Channel	Frequency	Channel	Frequency
199	6945 MHz	215	7025 MHz

1 channel is provided for 802.11ax (HE160), 802.11be (EHT160):

Channel	Frequency
207	6985 MHz

Note: \* mean these are straddle channels and operating under control by Low-power indoor AP only.

### 3.4 Test Mode Applicability and Tested Channel Detail

<b>Pre-Scan:</b>	<ol style="list-style-type: none"> <li>The EUT has the following Sku types: Sku1/Sku2. Pre-scan the worst case as a representative test condition.</li> <li>Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports.</li> </ol>
<b>Worst Case:</b>	1. EUT Worst Condition: Sku1

Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tested Channel	Modulation	Data Rate	RU/MRU Index
Maximum RF Output Power	A	802.11a	Indoor Client	1TX/ 2TX	1, 45, 93	BPSK	6Mb/s	NA
					97, 105, 113			
					117, 149, 181, 185			
					209, 233			
		802.11ax (HE20)		1S1T / 2S2T	1, 45, 93	BPSK	MCS0	NA
					97, 105, 113			
					117, 149, 181, 185			
					209, 233			
		802.11ax (HE40)		1S1T / 2S2T	3, 43, 91	BPSK	MCS0	NA
					99, 107, 115			
					115, 123, 155, 179			
					187, 211, 227			
		802.11ax (HE80)		1S1T / 2S2T	7, 39, 87	BPSK	MCS0	NA
					103			
					119, 151, 183			
					199, 215			
		802.11ax (HE160)		1S1T / 2S2T	15, 47, 79	BPSK	MCS0	NA
					111			
					143, 175			
					207			
		802.11be (EHT20)		1S1T / 2S2T	1, 45, 93	BPSK	MCS0	NA
					97, 105, 113			
					117, 149, 181, 185			
					209, 233			
802.11be (EHT40)	1S1T / 2S2T	3, 43, 91	BPSK	MCS0	NA			
		99, 107, 115						
		115, 123, 155, 179						
		187, 211, 227						
802.11be (EHT80)	1S1T / 2S2T	7, 39, 87	BPSK	MCS0	NA			
		103						
		119, 151, 183						
		199, 215						
802.11be (EHT160)	1S1T / 2S2T	15, 47, 79	BPSK	MCS0	NA			
		111						
		143, 175						
		207						

Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tested Channel	Modulation	Data Rate	RU/MRU Index		
Maximum RF Output Power	A	802.11be (EHT20) 26-tone RU	Indoor Client	1S1T / 2S2T	1, 93	BPSK	MCS0	0, 8		
					97, 113			0, 8		
					117, 185			0, 8		
					209, 233			0, 8		
		802.11be (EHT20) 52-tone RU		1S1T / 2S2T	1, 93	BPSK	MCS0	37, 40		
					97, 113			37, 40		
					117, 185			37, 40		
					209, 233			37, 40		
		802.11be (EHT20) 106-tone RU		1S1T / 2S2T	1, 93	BPSK	MCS0	53, 54		
					97, 113			53, 54		
					117, 185			53, 54		
					209, 233			53, 54		
		802.11be (EHT20) 52+26-tone MRU		1S1T / 2S2T	1, 93	BPSK	MCS0	1, 3		
					97, 113			1, 3		
					117, 185			1, 3		
					209, 233			1, 3		
		802.11be (EHT20) 106+26-tone MRU		1S1T / 2S2T	1, 93	BPSK	MCS0	1, 2		
					97, 113			1, 2		
					117, 185			1, 2		
					209, 233			1, 2		
		802.11be (EHT80) 484+242-tone MRU		1S1T / 2S2T	7, 87	BPSK	MCS0	93, 90		
					103			93		
					119, 183			93, 90		
					199, 215			93, 90		
		802.11be (EHT160) 996+484-tone MRU		1S1T / 2S2T	15, 79	BPSK	MCS0	95-1, 94-0		
					111			95-1		
					143, 175			95-1, 94-0		
					207			94-0		
		802.11be (EHT160) 996+484+242-tone MRU		1S1T / 2S2T	15, 79	BPSK	MCS0	99-1, 96-0		
					111			99-1		
					143, 175			99-1, 96-0		
					207			96-0		
		802.11a		Standard Power Client	802.11a	1TX/ 2TX	1, 45, 93	BPSK	6Mb/s	NA
							117, 149, 181			NA
					802.11ax (HE20)	1S1T / 2S2T	1, 45, 93	BPSK	MCS0	NA
							117, 149, 181			NA
802.11ax (HE40)	1S1T / 2S2T		3, 43, 91		BPSK	MCS0	NA			
			123, 155, 179				NA			
802.11ax (HE80)	1S1T / 2S2T		7, 39, 87		BPSK	MCS0	NA			
			135, 151, 167				NA			
802.11ax (HE160)	1S1T / 2S2T		15, 47, 79		BPSK	MCS0	NA			
			143				NA			
802.11be (EHT20)	1S1T / 2S2T		1, 45, 93		BPSK	MCS0	NA			
			117, 149, 181				NA			
802.11be (EHT40)	1S1T / 2S2T	3, 43, 91	BPSK	MCS0	NA					
		123, 155, 179			NA					
802.11be (EHT80)	1S1T / 2S2T	7, 39, 87	BPSK	MCS0	NA					
		135, 151, 167			NA					
802.11be (EHT160)	1S1T / 2S2T	15, 47, 79	BPSK	MCS0	NA					
		143			NA					

Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tested Channel	Modulation	Data Rate	RU/MRU Index
Maximum RF Output Power	A	802.11be (EHT20) 26-tone RU	Standard Power Client	1S1T / 2S2T	1, 93	BPSK	MCS0	0, 8
					117, 181			0, 8
		802.11be (EHT20) 52-tone RU		1S1T / 2S2T	1, 93	BPSK	MCS0	37, 40
					117, 181			37, 40
		802.11be (EHT20) 106-tone RU		1S1T / 2S2T	1, 93	BPSK	MCS0	53, 54
					117, 181			53, 54
		802.11be (EHT20) 52+26-tone MRU		1S1T / 2S2T	1, 93	BPSK	MCS0	1, 3
					117, 181			1, 3
		802.11be (EHT20) 106+26-tone MRU		1S1T / 2S2T	1, 93	BPSK	MCS0	1, 2
					117, 181			1, 2
802.11be (EHT80) 484+242-tone MRU	1S1T / 2S2T	7, 87	BPSK	MCS0	93, 90			
		135, 167			93, 90			
802.11be (EHT160) 996+484-tone MRU	1S1T / 2S2T	15, 79	BPSK	MCS0	95-1, 94-0			
		143			95-1			
802.11be (EHT160) 996+484+242-tone MRU	1S1T / 2S2T	15, 79	BPSK	MCS0	99-1, 96-0			
		143			99-1			
Maximum Power Spectral Density	A	802.11a	Indoor Client	1TX/ 2TX	1, 45, 93	BPSK	6Mb/s	NA
					97, 105, 113			
					117, 149, 181, 185			
					209, 233			
		802.11be (EHT20)		1S1T / 2S2T	1, 45, 93	BPSK	MCS0	NA
					97, 105, 113			
					117, 149, 181, 185			
					209, 233			
		802.11be (EHT40)		1S1T / 2S2T	3, 43, 91	BPSK	MCS0	NA
					99, 107, 115			
					115, 123, 155, 179			
					187, 211, 227			
		802.11be (EHT80)		1S1T / 2S2T	7, 39, 87	BPSK	MCS0	NA
					103			
					119, 151, 183			
					199, 215			
		802.11be (EHT160)		1S1T / 2S2T	15, 47, 79	BPSK	MCS0	NA
					111			
					143, 175			
					207			

Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tested Channel	Modulation	Data Rate	RU/MRU Index
Maximum Power Spectral Density	A	802.11be (EHT20) 26-tone RU	Indoor Client	1S1T / 2S2T	1, 93	BPSK	MCS0	0, 8
					97, 113			0, 8
					117, 185			0, 8
					209, 233			0, 8
		802.11be (EHT20) 52-tone RU		1S1T / 2S2T	1, 93	BPSK	MCS0	37, 40
					97, 113			37, 40
					117, 185			37, 40
					209, 233			37, 40
		802.11be (EHT20) 106-tone RU		1S1T / 2S2T	1, 93	BPSK	MCS0	53, 54
					97, 113			53, 54
					117, 185			53, 54
					209, 233			53, 54
		802.11be (EHT20) 52+26-tone MRU		1S1T / 2S2T	1, 93	BPSK	MCS0	1, 3
					97, 113			1, 3
					117, 185			1, 3
					209, 233			1, 3
		802.11be (EHT20) 106+26-tone MRU		1S1T / 2S2T	1, 93	BPSK	MCS0	1, 2
					97, 113			1, 2
					117, 185			1, 2
					209, 233			1, 2
		802.11be (EHT80) 484+242-tone MRU		1S1T / 2S2T	7, 87	BPSK	MCS0	93, 90
					103			93
					119, 183			93, 90
					199, 215			93, 90
		802.11be (EHT160) 996+484-tone MRU		1S1T / 2S2T	15, 79	BPSK	MCS0	95-1, 94-0
					111			95-1
					143, 175			95-1, 94-0
					207			94-0
		802.11be (EHT160) 996+484+242-tone MRU		1S1T / 2S2T	15, 79	BPSK	MCS0	99-1, 96-0
					111			99-1
					143, 175			99-1, 96-0
					207			96-0
802.11a	1TX/ 2TX	1, 45, 93	BPSK	6Mb/s	NA			
		117, 149, 181						
802.11be (EHT20)	1S1T / 2S2T	1, 45, 93	BPSK	MCS0	NA			
		117, 149, 181						
802.11be (EHT40)	1S1T / 2S2T	3, 43, 91	BPSK	MCS0	NA			
		123, 155, 179						
802.11be (EHT80)	1S1T / 2S2T	7, 39, 87	BPSK	MCS0	NA			
		135, 151, 167						
802.11be (EHT160)	1S1T / 2S2T	15, 47, 79	BPSK	MCS0	NA			
		143						
802.11be (EHT20) 26-tone RU	1S1T / 2S2T	1, 93	BPSK	MCS0	0, 8			
		117, 181			0, 8			
802.11be (EHT20) 52-tone RU	1S1T / 2S2T	1, 93	BPSK	MCS0	37, 40			
		117, 181			37, 40			
802.11be (EHT20) 106-tone RU	1S1T / 2S2T	1, 93	BPSK	MCS0	53, 54			
		117, 181			53, 54			
Standard Power Client								



Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tested Channel	Modulation	Data Rate	RU/MRU Index
Maximum Power Spectral Density	A	802.11be (EHT20) 52+26-tone MRU	Standard Power Client	1S1T / 2S2T	1, 93	BPSK	MCS0	1, 3
					117, 181			1, 3
		802.11be (EHT20) 106+26-tone MRU		1S1T / 2S2T	1, 93	BPSK	MCS0	1, 2
					117, 181			1, 2
		802.11be (EHT80) 484+242-tone MRU		1S1T / 2S2T	7, 87	BPSK	MCS0	93, 90
					135, 167			93, 90
		802.11be (EHT160) 996+484-tone MRU		1S1T / 2S2T	15, 79	BPSK	MCS0	95-1, 94-0
					143			95-1
		802.11be (EHT160) 996+484+242-tone MRU		1S1T / 2S2T	15, 79	BPSK	MCS0	99-1, 96-0
					143			99-1
Emission Bandwidth / Occupied Bandwidth	A	802.11a	Indoor Client	1TX/ 2TX	1, 45, 93	BPSK	6Mb/s	NA
					97, 105, 113			
					117, 149, 181, 185			
					209, 233			
		802.11be (EHT20)		1S1T / 2S2T	1, 45, 93	BPSK	MCS0	NA
					97, 105, 113			
					117, 149, 181, 185			
					209, 233			
		802.11be (EHT40)		1S1T / 2S2T	3, 43, 91	BPSK	MCS0	NA
					99, 107, 115			
					115, 123, 155, 179			
					187, 211, 227			
		802.11be (EHT80)		1S1T / 2S2T	7, 39, 87	BPSK	MCS0	NA
					103			
					119, 151, 183			
					199, 215			
		802.11be (EHT160)		1S1T / 2S2T	15, 47, 79	BPSK	MCS0	NA
					111			
					143, 175			
					207			

Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tested Channel	Modulation	Data Rate	RU/MRU Index
Emission Bandwidth / Occupied Bandwidth	A	802.11be (EHT20) 26-tone RU	Indoor Client	1S1T / 2S2T	1, 93	BPSK	MCS0	0, 8
					97, 113			0, 8
					117, 185			0, 8
					209, 233			0, 8
		802.11be (EHT20) 52-tone RU		1S1T / 2S2T	1, 93	BPSK	MCS0	37, 40
					97, 113			37, 40
					117, 185			37, 40
					209, 233			37, 40
		802.11be (EHT20) 106-tone RU		1S1T / 2S2T	1, 93	BPSK	MCS0	53, 54
					97, 113			53, 54
					117, 185			53, 54
					209, 233			53, 54
		802.11be (EHT20) 52+26-tone MRU		1S1T / 2S2T	1, 93	BPSK	MCS0	1, 3
					97, 113			1, 3
					117, 185			1, 3
					209, 233			1, 3
		802.11be (EHT20) 106+26-tone MRU		1S1T / 2S2T	1, 93	BPSK	MCS0	1, 2
					97, 113			1, 2
					117, 185			1, 2
					209, 233			1, 2
		802.11be (EHT80) 484+242-tone MRU		1S1T / 2S2T	7, 87	BPSK	MCS0	93, 90
					103			93
					119, 183			93, 90
					199, 215			93, 90
		802.11be (EHT160) 996+484-tone MRU		1S1T / 2S2T	15, 79	BPSK	MCS0	95-1, 94-0
					111			95-1
					143, 175			95-1, 94-0
					207			94-0
		802.11be (EHT160) 996+484+242-tone MRU		1S1T / 2S2T	15, 79	BPSK	MCS0	99-1, 96-0
					111			99-1
					143, 175			99-1, 96-0
					207			96-0

Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tested Channel	Modulation	Data Rate	RU/MRU Index
Emission Bandwidth / Occupied Bandwidth	A	802.11a	Standard Power Client	1TX/ 2TX	1, 45, 93	BPSK	6Mb/s	NA
					117, 149, 181			
		802.11be (EHT20)		1S1T / 2S2T	1, 45, 93	BPSK	MCS0	NA
					117, 149, 181			
		802.11be (EHT40)		1S1T / 2S2T	3, 43, 91	BPSK	MCS0	NA
					123, 155, 179			
		802.11be (EHT80)		1S1T / 2S2T	7, 39, 87	BPSK	MCS0	NA
					135, 151, 167			
		802.11be (EHT160)		1S1T / 2S2T	15, 47, 79	BPSK	MCS0	NA
					143			
		802.11be (EHT20) 26-tone RU		1S1T / 2S2T	1, 93	BPSK	MCS0	0, 8
					117, 181			0, 8
		802.11be (EHT20) 52-tone RU		1S1T / 2S2T	1, 93	BPSK	MCS0	37, 40
					117, 181			37, 40
		802.11be (EHT20) 106-tone RU		1S1T / 2S2T	1, 93	BPSK	MCS0	53, 54
					117, 181			53, 54
		802.11be (EHT20) 52+26-tone MRU		1S1T / 2S2T	1, 93	BPSK	MCS0	1, 3
					117, 181			1, 3
		802.11be (EHT20) 106+26-tone MRU		1S1T / 2S2T	1, 93	BPSK	MCS0	1, 2
					117, 181			1, 2
802.11be (EHT80) 484+242-tone MRU	1S1T / 2S2T	7, 87	BPSK	MCS0	93, 90			
		135, 167			93, 90			
802.11be (EHT160) 996+484-tone MRU	1S1T / 2S2T	15, 79	BPSK	MCS0	95-1, 94-0			
		143			95-1			
802.11be (EHT160) 996+484+242-tone MRU	1S1T / 2S2T	15, 79	BPSK	MCS0	99-1, 96-0			
		143			99-1			



Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tested Channel	Modulation	Data Rate	RU/MRU Index
In-Band Emission Mask	A	802.11a	Indoor Client	1TX/ 2TX	1, 45, 93	BPSK	6Mb/s	NA
					97, 105, 113			
					117, 149, 181, 185			
					209, 233			
		802.11be (EHT20)		1S1T / 2S2T	1, 45, 93	BPSK	MCS0	NA
					97, 105, 113			
					117, 149, 181, 185			
					209, 233			
		802.11be (EHT40)		1S1T / 2S2T	3, 43, 91	BPSK	MCS0	NA
					99, 107, 115			
					115, 123, 155, 179			
					187, 211, 227			
		802.11be (EHT80)		1S1T / 2S2T	7, 39, 87	BPSK	MCS0	NA
					103			
					119, 151, 183			
					199, 215			
		802.11be (EHT160)		1S1T / 2S2T	15, 47, 79	BPSK	MCS0	NA
					111			
					143, 175			
					207			
		802.11be (EHT20) 26-tone RU		1S1T / 2S2T	1, 93	BPSK	MCS0	0, 8
					97, 113			0, 8
					117, 185			0, 8
					209, 233			0, 8
		802.11be (EHT20) 52-tone RU		1S1T / 2S2T	1, 93	BPSK	MCS0	37, 40
					97, 113			37, 40
					117, 185			37, 40
					209, 233			37, 40
802.11be (EHT20) 106-tone RU	1S1T / 2S2T	1, 93	BPSK	MCS0	53, 54			
		97, 113			53, 54			
		117, 185			53, 54			
		209, 233			53, 54			

Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tested Channel	Modulation	Data Rate	RU/MRU Index		
In-Band Emission Mask	A	802.11be (EHT20) 52+26-tone MRU	Indoor Client	1S1T / 2S2T	1, 93	BPSK	MCS0	1, 3		
					97, 113			1, 3		
					117, 185			1, 3		
					209, 233			1, 3		
		802.11be (EHT20) 106+26-tone MRU		1S1T / 2S2T	1, 93	BPSK	MCS0	1, 2		
					97, 113			1, 2		
					117, 185			1, 2		
					209, 233			1, 2		
		802.11be (EHT80) 484+242-tone MRU		1S1T / 2S2T	7, 87	BPSK	MCS0	93, 90		
					103			93		
					119, 183			93, 90		
					199, 215			93, 90		
		802.11be (EHT160) 996+484-tone MRU		1S1T / 2S2T	15, 79	BPSK	MCS0	95-1, 94-0		
					111			95-1		
					143, 175			95-1, 94-0		
					207			94-0		
		802.11be (EHT160) 996+484+242-tone MRU		1S1T / 2S2T	15, 79	BPSK	MCS0	99-1, 96-0		
					111			99-1		
					143, 175			99-1, 96-0		
					207			96-0		
		802.11a		Standard Power Client	802.11a	1TX/ 2TX	1, 45, 93	BPSK	6Mb/s	NA
							117, 149, 181			
					802.11be (EHT20)	1S1T / 2S2T	1, 45, 93	BPSK	MCS0	NA
							117, 149, 181			
					802.11be (EHT40)	1S1T / 2S2T	3, 43, 91	BPSK	MCS0	NA
							123, 155, 179			
					802.11be (EHT80)	1S1T / 2S2T	7, 39, 87	BPSK	MCS0	NA
							135, 151, 167			
					802.11be (EHT160)	1S1T / 2S2T	15, 47, 79	BPSK	MCS0	NA
							143			
		802.11be (EHT20) 26-tone RU		1S1T / 2S2T	1, 93	BPSK	MCS0	0, 8		
					117, 181			0, 8		
802.11be (EHT20) 52-tone RU	1S1T / 2S2T	1, 93	BPSK	MCS0	37, 40					
		117, 181			37, 40					
802.11be (EHT20) 106-tone RU	1S1T / 2S2T	1, 93	BPSK	MCS0	53, 54					
		117, 181			53, 54					

Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tested Channel	Modulation	Data Rate	RU/MRU Index
In-Band Emission Mask	A	802.11be (EHT20) 52+26-tone MRU	Standard Power Client	1S1T / 2S2T	1, 93	BPSK	MCS0	1, 3
					117, 181			1, 3
		802.11be (EHT20) 106+26-tone MRU		1S1T / 2S2T	1, 93	BPSK	MCS0	1, 2
					117, 181			1, 2
		802.11be (EHT80) 484+242-tone MRU		1S1T / 2S2T	7, 87	BPSK	MCS0	93, 90
					135, 167			93, 90
		802.11be (EHT160) 996+484-tone MRU		1S1T / 2S2T	15, 79	BPSK	MCS0	95-1, 94-0
					143			95-1
		802.11be (EHT160) 996+484+242-tone MRU		1S1T / 2S2T	15, 79	BPSK	MCS0	99-1, 96-0
					143			99-1
Frequency Stability	A	802.11a	Indoor Client	-	1	unmodulated	-	NA
Contention-based Protocol	A	802.11be (EHT20)	Indoor Client	2TX	45	BPSK	MCS0	NA
					105			
					149			
					209			
		802.11be (EHT160)		2TX	47	BPSK	MCS0	NA
					111			
					143			
207								
AC Power Conducted Emissions	B	802.11be (EHT160)	Indoor Client	2S2T	111	BPSK	MCS0	NA
		802.11be (EHT160)	Standard Power Client	2S2T	47	BPSK	MCS0	NA
Unwanted Emissions below 1 GHz	A, B	802.11be (EHT160)	Indoor Client	2S2T	111	BPSK	MCS0	NA
		802.11be (EHT160)	Standard Power Client	2S2T	47	BPSK	MCS0	NA

Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tested Channel	Modulation	Data Rate	RU/MRU Index
Unwanted Emissions above 1 GHz	A, B	802.11a	Indoor Client	1TX/ 2TX	1, 45, 93	BPSK	6Mb/s	NA
					97, 105, 113			
					117, 149, 181, 185			
					209, 233			
		802.11be (EHT20)		1S1T / 2S2T	1, 45, 93	BPSK	MCS0	NA
					97, 105, 113			
					117, 149, 181, 185			
					209, 233			
		802.11be (EHT40)		1S1T / 2S2T	3, 43, 91	BPSK	MCS0	NA
					99, 107, 115			
					115, 123, 155, 179			
					187, 211, 227			
		802.11be (EHT80)		1S1T / 2S2T	7, 39, 87	BPSK	MCS0	NA
					103			
					119, 151, 183			
					199, 215			
		802.11be (EHT160)		1S1T / 2S2T	15, 47, 79	BPSK	MCS0	NA
					111			
					143, 175			
					207			
		802.11be (EHT20) 26-tone RU		1S1T / 2S2T	1, 93	BPSK	MCS0	0, 8
					97, 113			0, 8
					117, 185			0, 8
					209, 233			0, 8
		802.11be (EHT20) 52-tone RU		1S1T / 2S2T	1, 93	BPSK	MCS0	37, 40
					97, 113			37, 40
					117, 185			37, 40
					209, 233			37, 40
802.11be (EHT20) 106-tone RU	1S1T / 2S2T	1, 93	BPSK	MCS0	53, 54			
		97, 113			53, 54			
		117, 185			53, 54			
		209, 233			53, 54			

Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tested Channel	Modulation	Data Rate	RU/MRU Index	
Unwanted Emissions above 1 GHz	A, B	802.11be (EHT20) 52+26-tone MRU	Indoor Client	1S1T / 2S2T	1, 93	BPSK	MCS0	1, 3	
					97, 113			1, 3	
					117, 185			1, 3	
					209, 233			1, 3	
		802.11be (EHT20) 106+26-tone MRU		1S1T / 2S2T	1, 93	BPSK	MCS0	1, 2	
					97, 113			1, 2	
					117, 185			1, 2	
					209, 233			1, 2	
		802.11be (EHT80) 484+242-tone MRU		1S1T / 2S2T	7, 87	BPSK	MCS0	93, 90	
					103			93	
					119, 183			93, 90	
					199, 215			93, 90	
		802.11be (EHT160) 996+484-tone MRU		1S1T / 2S2T	15, 79	BPSK	MCS0	95-1, 94-0	
					111			95-1	
					143, 175			95-1, 94-0	
					207			94-0	
		802.11be (EHT160) 996+484+242-tone MRU		1S1T / 2S2T	15, 79	BPSK	MCS0	99-1, 96-0	
					111			99-1	
					143, 175			99-1, 96-0	
					207			96-0	
		802.11a		Standard Power Client	1TX/ 2TX	1, 45, 93	BPSK	6Mb/s	NA
		117, 149, 181							
		802.11be (EHT20)			1S1T / 2S2T	1, 45, 93	BPSK	MCS0	NA
						117, 149, 181			
		802.11be (EHT40)			1S1T / 2S2T	3, 43, 91	BPSK	MCS0	NA
						123, 155, 179			
		802.11be (EHT80)			1S1T / 2S2T	7, 39, 87	BPSK	MCS0	NA
						135, 151, 167			
802.11be (EHT160)	1S1T / 2S2T	15, 47, 79	BPSK		MCS0	NA			
		143							
802.11be (EHT20) 26-tone RU	1S1T / 2S2T	1, 93	BPSK		MCS0	0, 8			
		117, 181				0, 8			
802.11be (EHT20) 52-tone RU	1S1T / 2S2T	1, 93	BPSK		MCS0	37, 40			
		117, 181				37, 40			
802.11be (EHT20) 106-tone RU	1S1T / 2S2T	1, 93	BPSK	MCS0	53, 54				
		117, 181			53, 54				





Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tested Channel	Modulation	Data Rate	RU/MRU Index			
Unwanted Emissions above 1 GHz	A, B	802.11be (EHT20) 52+26-tone MRU	Standard Power Client	1S1T / 2S2T	1, 93	BPSK	MCS0	1, 3			
					117, 181			1, 3			
		802.11be (EHT20) 106+26-tone MRU		1S1T / 2S2T	1, 93	BPSK	MCS0	1, 2			
					117, 181			1, 2			
		802.11be (EHT80) 484+242-tone MRU		1S1T / 2S2T	7, 87	BPSK	MCS0	93, 90			
					135, 167			93, 90			
		802.11be (EHT160) 996+484-tone MRU		1S1T / 2S2T	15, 79	BPSK	MCS0	95-1, 94-0			
					143			95-1			
		802.11be (EHT160) 996+484+242-tone MRU		1S1T / 2S2T	15, 79	BPSK	MCS0	99-1, 96-0			
					143			99-1			
		EUT Configure Mode:		A	EUT w/o antenna						
				B	EUT with 50 ohm terminator						

### 3.5 Duty Cycle of Test Signal

#### Indoor Client

##### 802.11a 1TX:

Duty cycle = 2.022 ms / 2.134 ms x 100% = 94.8%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.23 \text{ dB}$

##### 802.11be (EHT20) 1S1T:

Duty cycle = 3.944 ms / 4.076 ms x 100% = 96.8%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.14 \text{ dB}$

##### 802.11be (EHT40) 1S1T:

Duty cycle = 3.959 ms / 4.078 ms x 100% = 97.1%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.13 \text{ dB}$

##### 802.11be (EHT80) 1S1T:

Duty cycle = 1.931 ms / 2.052 ms x 100% = 94.1%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.26 \text{ dB}$

##### 802.11be (EHT160) 1S1T:

Duty cycle = 1.769 ms / 1.89 ms x 100% = 93.6%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.29 \text{ dB}$

##### 802.11be (EHT20) 26-tone RU 1S1T:

Duty cycle = 1.604 ms / 1.711 ms x 100% = 93.7%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.28 \text{ dB}$

##### 802.11be (EHT20) 52-tone RU 1S1T:

Duty cycle = 1.604 ms / 1.711 ms x 100% = 93.7%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.28 \text{ dB}$

##### 802.11be (EHT20) 106-tone RU 1S1T:

Duty cycle = 1.604 ms / 1.711 ms x 100% = 93.7%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.28 \text{ dB}$

##### 802.11be (EHT20) 52+26-tone MRU 1S1T:

Duty cycle = 1.493 ms / 1.604 ms x 100% = 93.1%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.31 \text{ dB}$

##### 802.11be (EHT20) 106+26-tone MRU 1S1T:

Duty cycle = 1.662 ms / 1.777 ms x 100% = 93.5%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.29 \text{ dB}$

##### 802.11be (EHT80) 484+242-tone MRU 1S1T:

Duty cycle = 1.197 ms / 1.307 ms x 100% = 91.6%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.38 \text{ dB}$

##### 802.11be (EHT160) 996+484-tone MRU 1S1T:

Duty cycle = 1.162 ms / 1.277 ms x 100% = 91.0%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.41 \text{ dB}$

##### 802.11be (EHT160) 996+484+242-tone MRU 1S1T:

Duty cycle = 1.166 ms / 1.282 ms x 100% = 91.0%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.41 \text{ dB}$

##### 802.11a 2TX:

Duty cycle = 2.021 ms / 2.138 ms x 100% = 94.5%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.24 \text{ dB}$

##### 802.11be (EHT20) 2S2T:

Duty cycle = 2.024 ms / 2.143 ms x 100% = 94.4%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.25 \text{ dB}$

##### 802.11be (EHT40) 2S2T:

Duty cycle = 2.026 ms / 2.138 ms x 100% = 94.8%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.23 \text{ dB}$

##### 802.11be (EHT80) 2S2T:

Duty cycle = 1.014 ms / 1.123 ms x 100% = 90.3%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.44 \text{ dB}$

##### 802.11be (EHT160) 2S2T:

Duty cycle = 0.937 ms / 1.052 ms x 100% = 89.1%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.50 \text{ dB}$

##### 802.11be (EHT20) 26-tone RU 2S2T:

Duty cycle = 0.851 ms / 0.978 ms x 100% = 87.0%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.60 \text{ dB}$

##### 802.11be (EHT20) 52-tone RU 2S2T:

Duty cycle = 0.816 ms / 0.938 ms x 100% = 87.0%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.61 \text{ dB}$

##### 802.11be (EHT20) 106-tone RU 2S2T:

Duty cycle = 0.749 ms / 0.86 ms x 100% = 87.1%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.60 \text{ dB}$

##### 802.11be (EHT20) 52+26-tone MRU 2S2T:

Duty cycle = 0.8 ms / 0.912 ms x 100% = 87.7%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.57 \text{ dB}$

##### 802.11be (EHT20) 106+26-tone MRU 2S2T:

Duty cycle = 0.882 ms / 0.991 ms x 100% = 89.0%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.51 \text{ dB}$

##### 802.11be (EHT80) 484+242-tone MRU 2S2T:

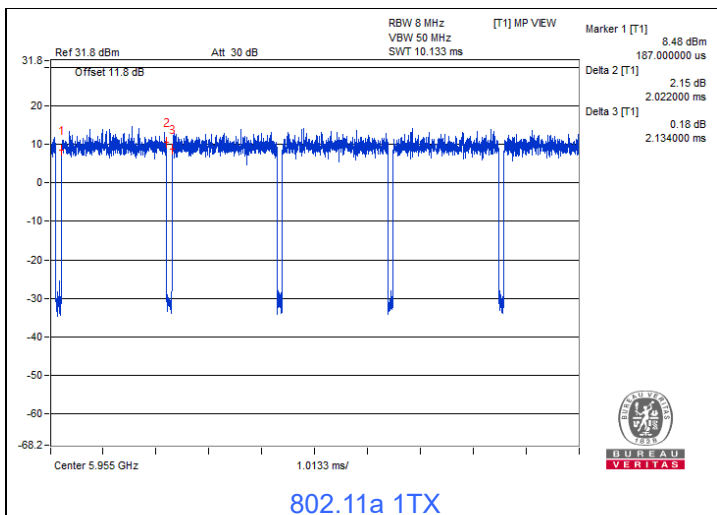
Duty cycle = 0.65 ms / 0.759 ms x 100% = 85.6%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.67 \text{ dB}$

##### 802.11be (EHT160) 996+484-tone MRU 2S2T:

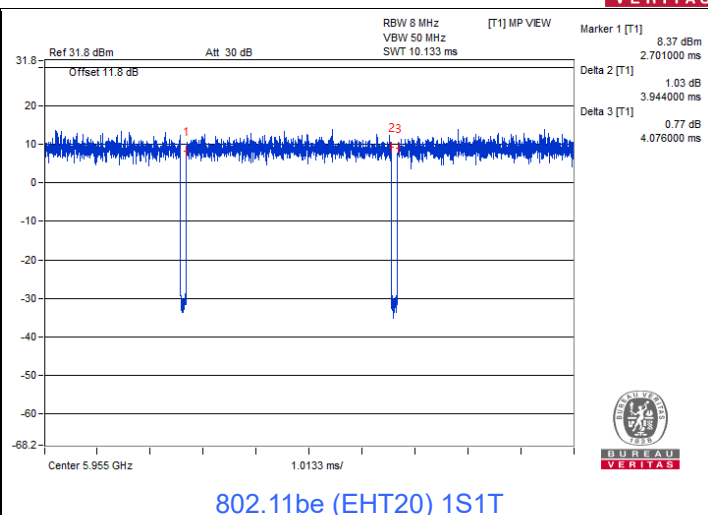
Duty cycle = 0.635 ms / 0.746 ms x 100% = 85.1%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.70 \text{ dB}$

##### 802.11be (EHT160) 996+484+242-tone MRU 2S2T:

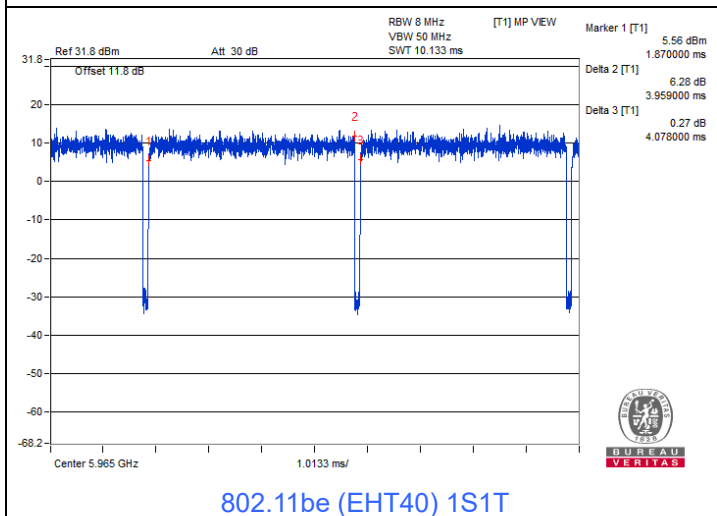
Duty cycle = 0.633 ms / 0.75 ms x 100% = 84.4%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.74 \text{ dB}$



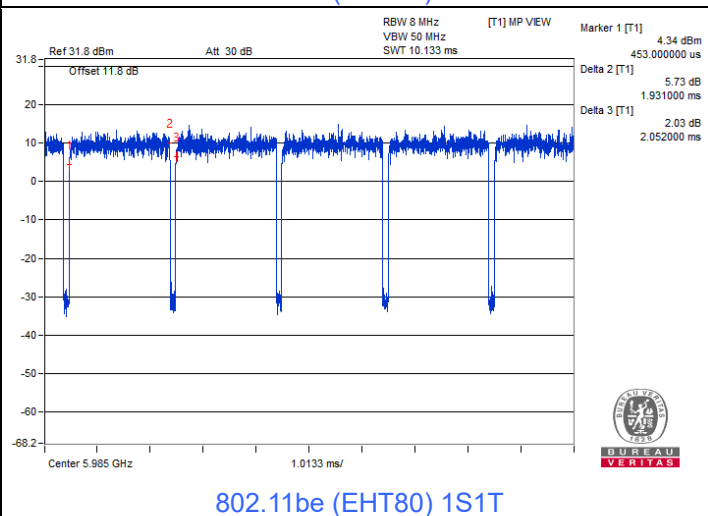
802.11a 1TX



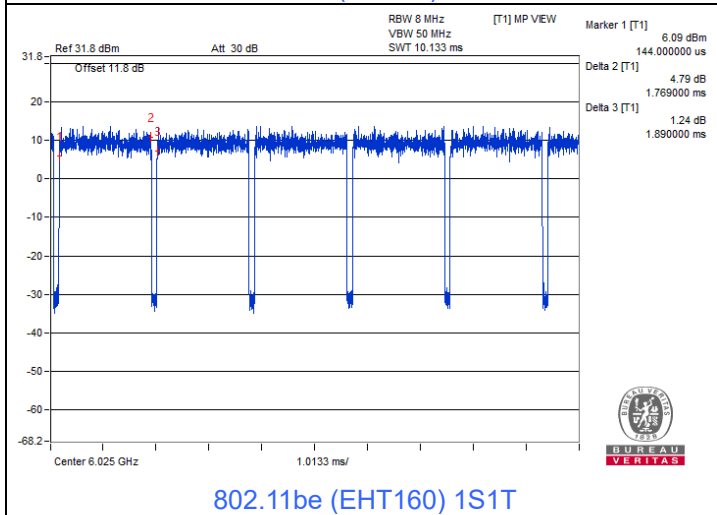
802.11be (EHT20) 1S1T



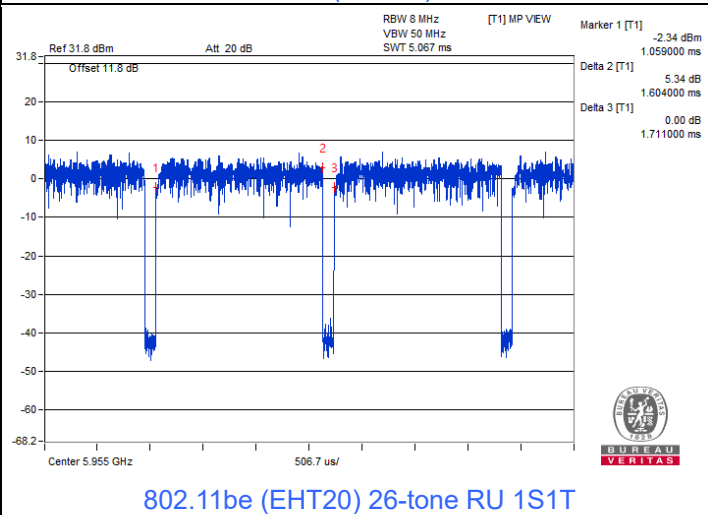
802.11be (EHT40) 1S1T



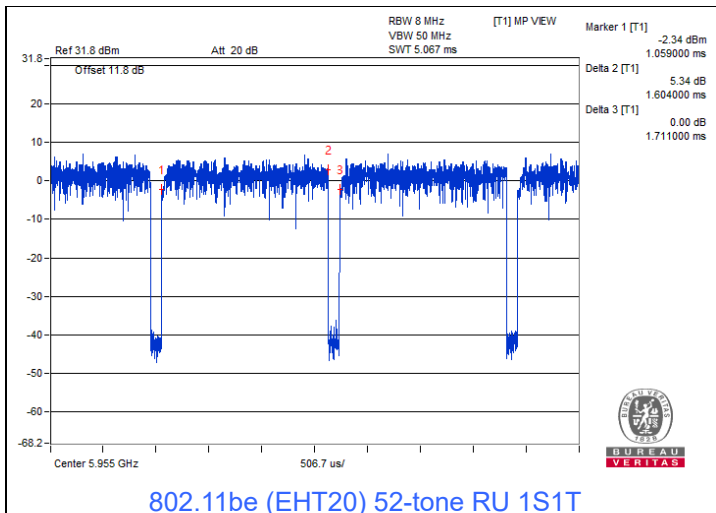
802.11be (EHT80) 1S1T



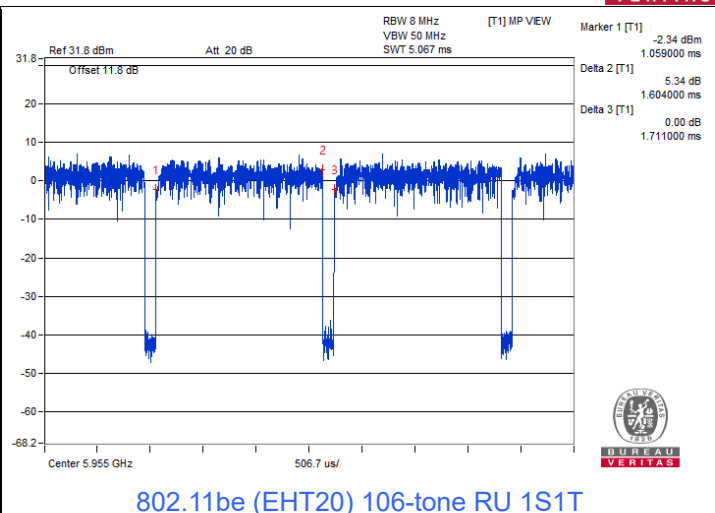
802.11be (EHT160) 1S1T



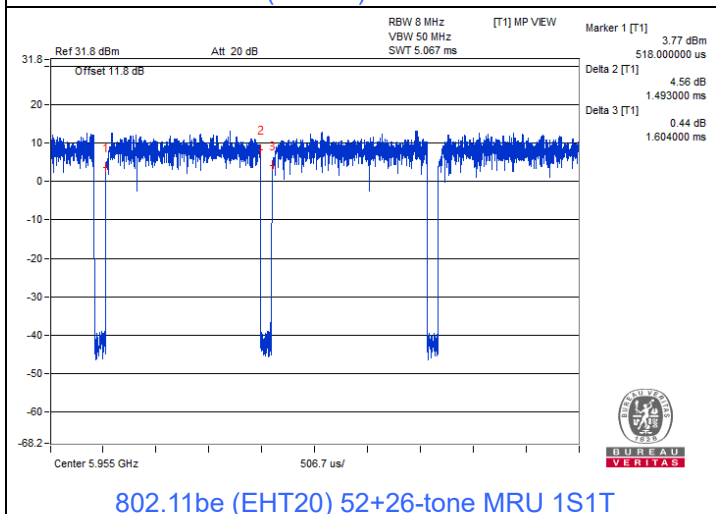
802.11be (EHT20) 26-tone RU 1S1T



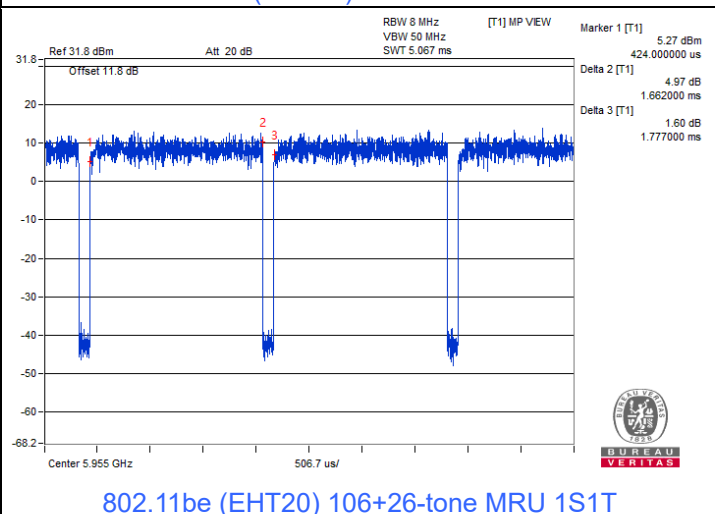
802.11be (EHT20) 52-tone RU 1S1T



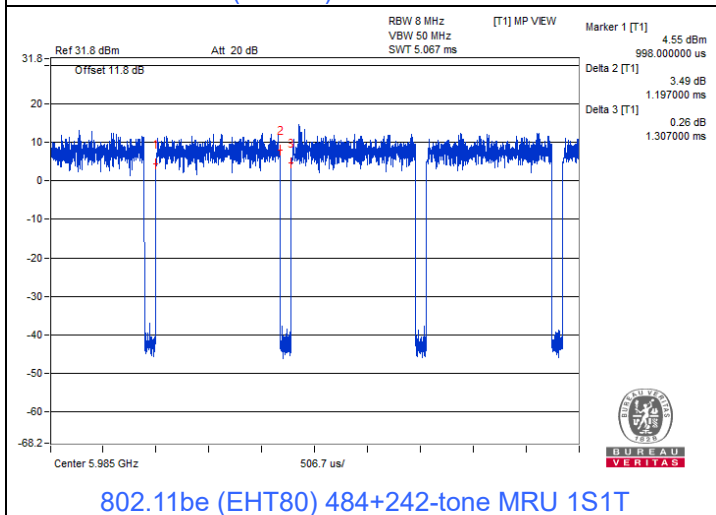
802.11be (EHT20) 106-tone RU 1S1T



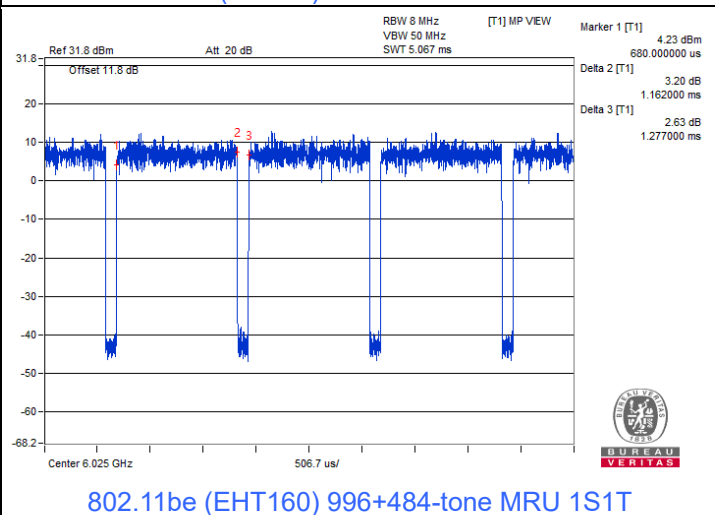
802.11be (EHT20) 52+26-tone MRU 1S1T



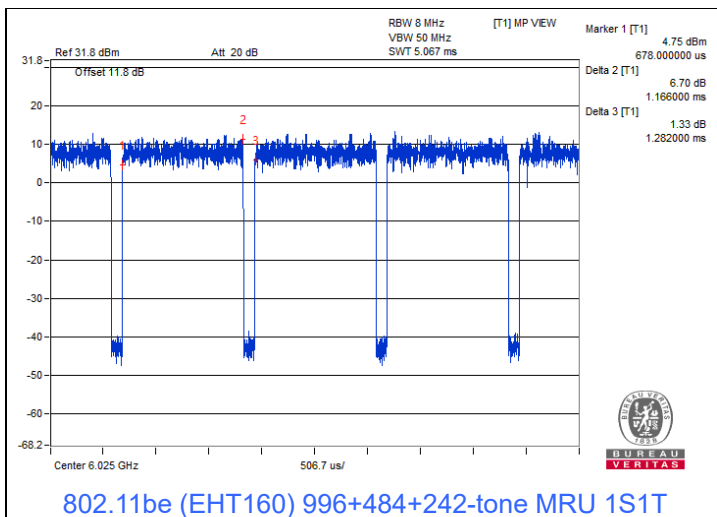
802.11be (EHT20) 106+26-tone MRU 1S1T



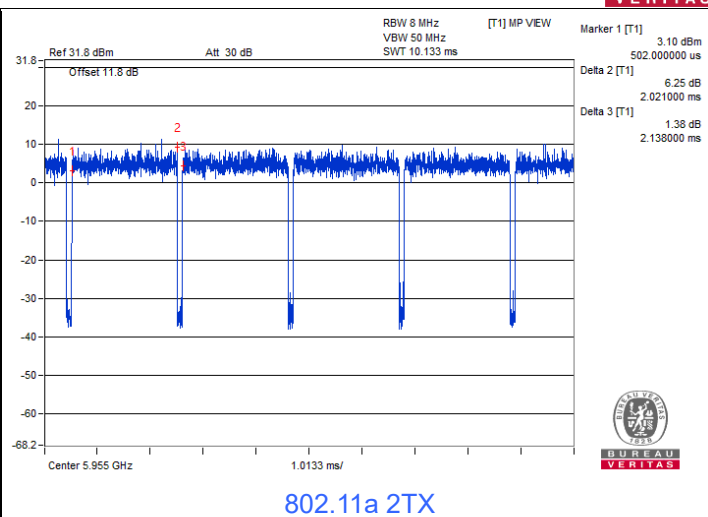
802.11be (EHT80) 484+242-tone MRU 1S1T



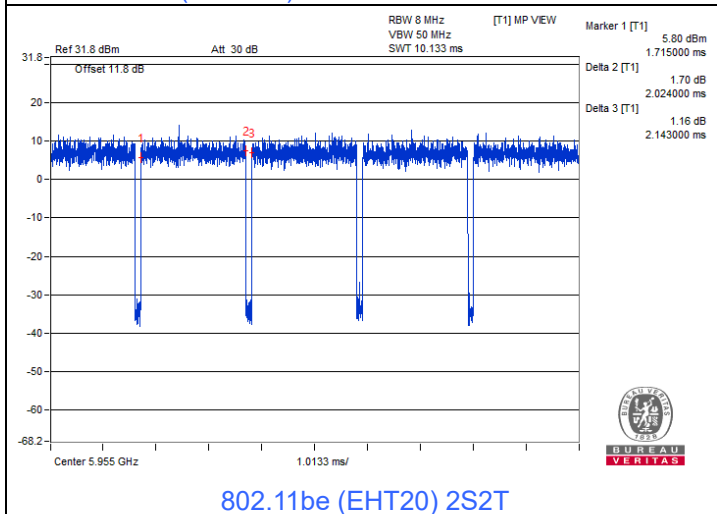
802.11be (EHT160) 996+484-tone MRU 1S1T



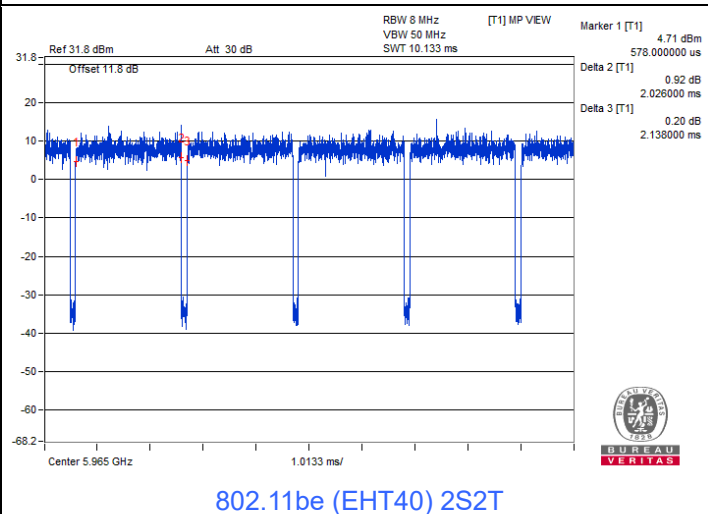
802.11be (EHT160) 996+484+242-tone MRU 1S1T



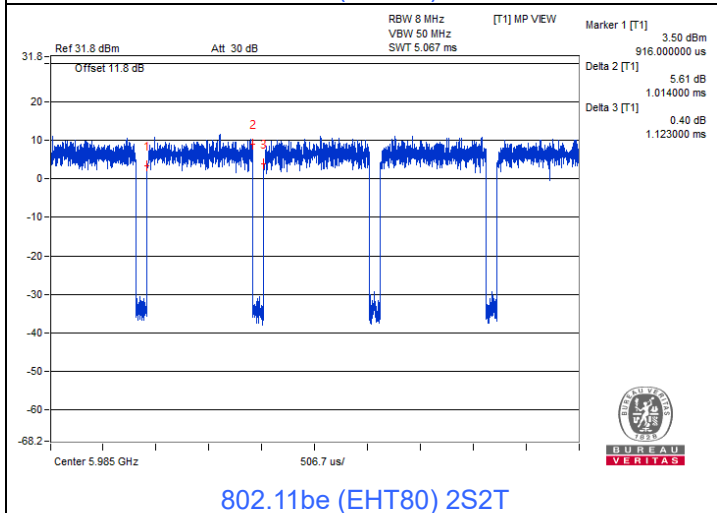
802.11a 2TX



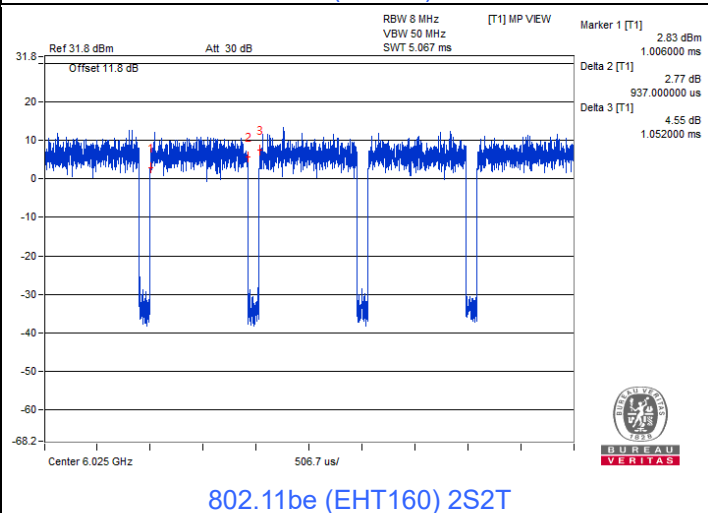
802.11be (EHT20) 2S2T



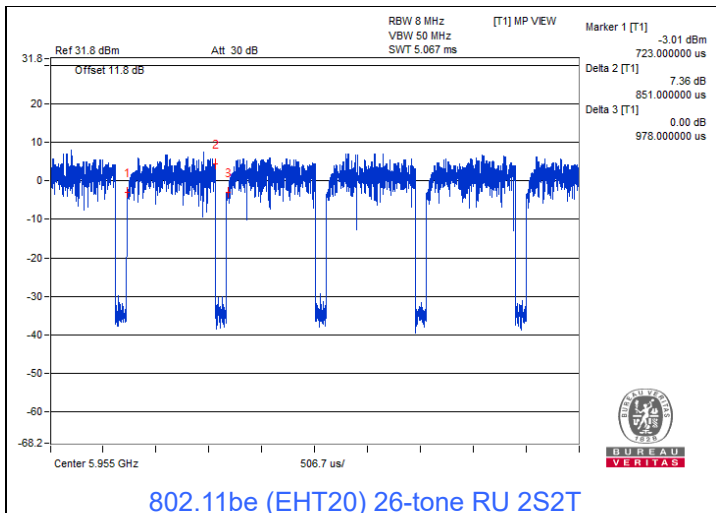
802.11be (EHT40) 2S2T



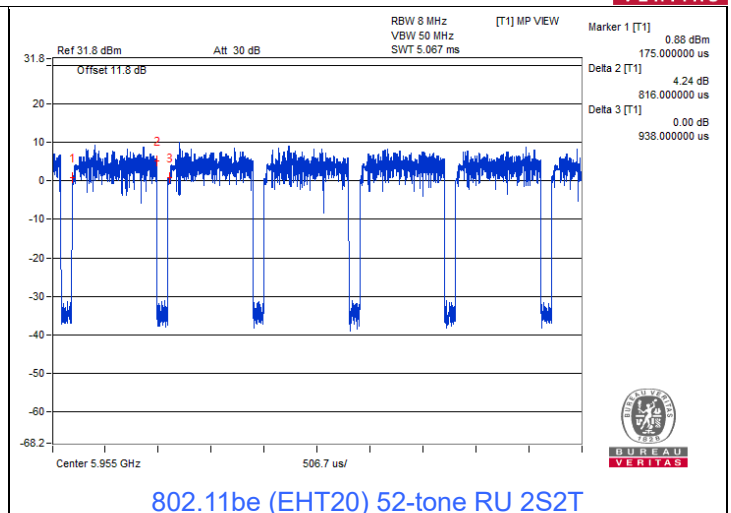
802.11be (EHT80) 2S2T



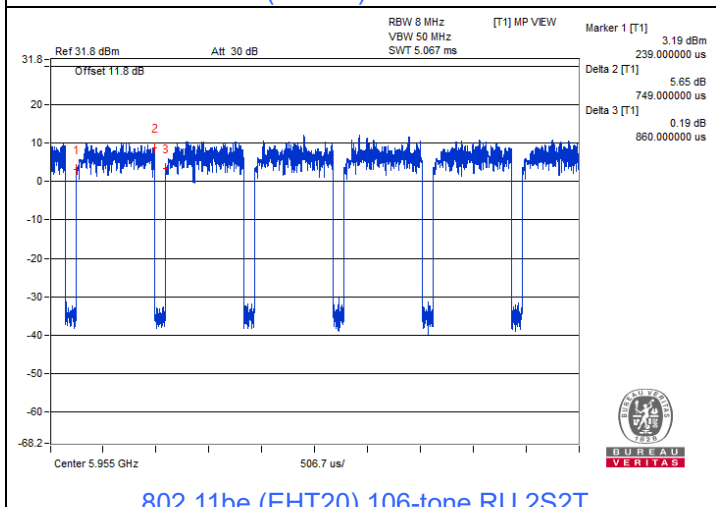
802.11be (EHT160) 2S2T



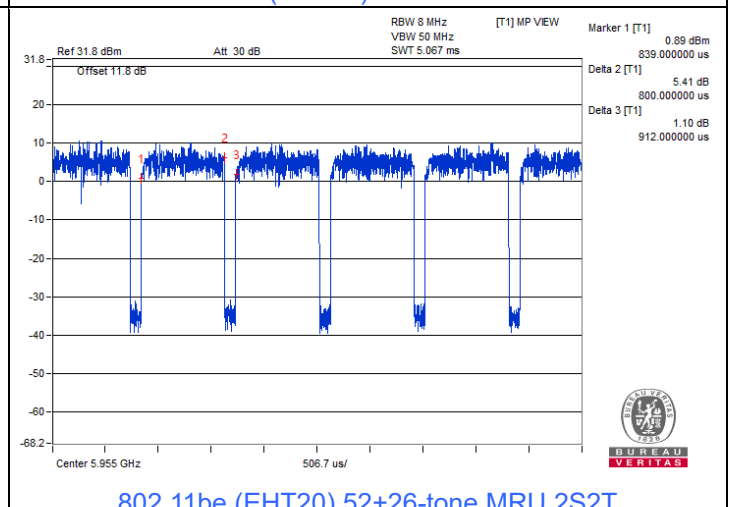
802.11be (EHT20) 26-tone RU 2S2T



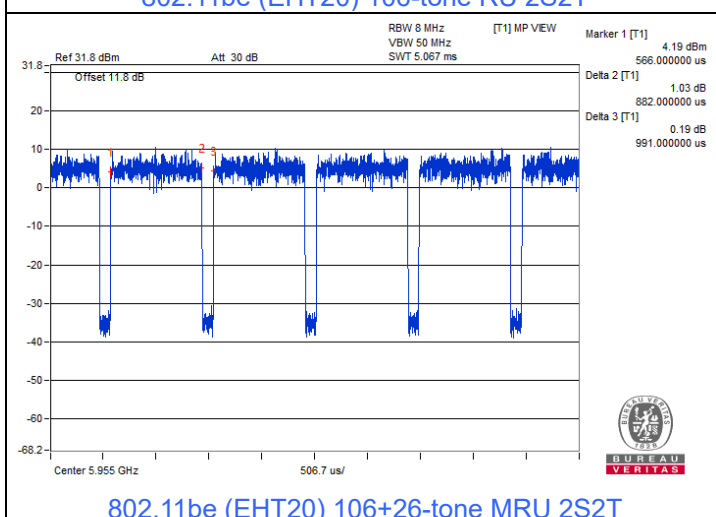
802.11be (EHT20) 52-tone RU 2S2T



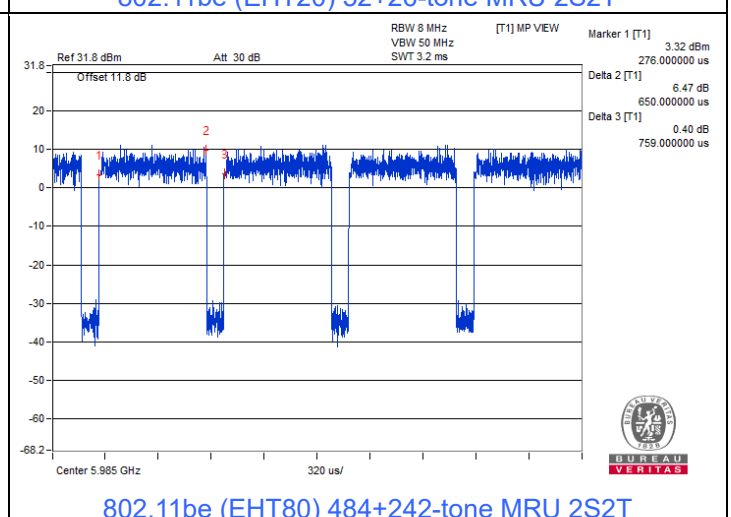
802.11be (EHT20) 106-tone RU 2S2T



802.11be (EHT20) 52+26-tone MRU 2S2T



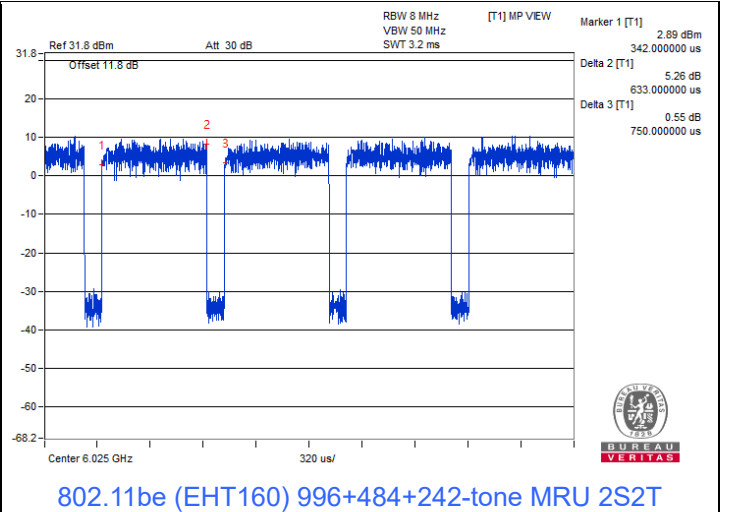
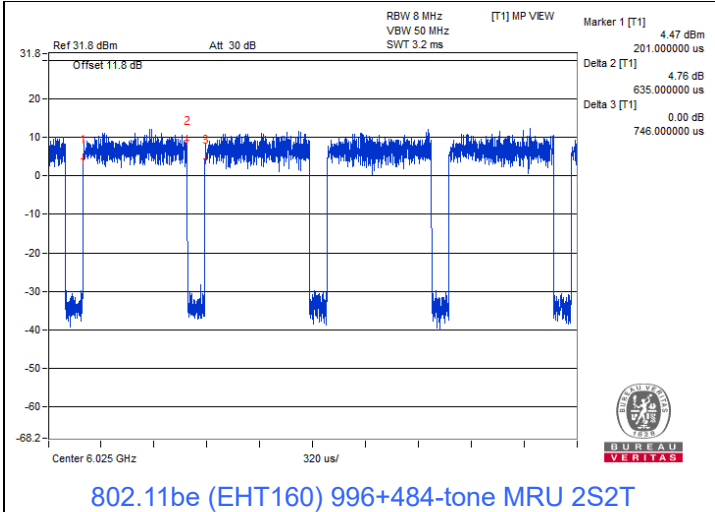
802.11be (EHT20) 106+26-tone MRU 2S2T



802.11be (EHT80) 484+242-tone MRU 2S2T



BUREAU  
VERITAS



## Standard Power Client

### 802.11a 1TX:

Duty cycle = 2.022 ms / 2.134 ms x 100% = 94.8%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.23$  dB

### 802.11be (EHT20) 1S1T:

Duty cycle = 3.944 ms / 4.076 ms x 100% = 96.8%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.14$  dB

### 802.11be (EHT40) 1S1T:

Duty cycle = 3.959 ms / 4.078 ms x 100% = 97.1%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.13$  dB

### 802.11be (EHT80) 1S1T:

Duty cycle = 1.931 ms / 2.052 ms x 100% = 94.1%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.26$  dB

### 802.11be (EHT160) 1S1T:

Duty cycle = 1.769 ms / 1.89 ms x 100% = 93.6%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.29$  dB

### 802.11be (EHT20) 26-tone RU 1S1T:

Duty cycle = 1.604 ms / 1.711 ms x 100% = 93.7%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.28$  dB

### 802.11be (EHT20) 52-tone RU 1S1T:

Duty cycle = 1.604 ms / 1.711 ms x 100% = 93.7%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.28$  dB

### 802.11be (EHT20) 106-tone RU 1S1T:

Duty cycle = 1.604 ms / 1.711 ms x 100% = 93.7%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.28$  dB

### 802.11be (EHT20) 52+26-tone MRU 1S1T:

Duty cycle = 1.493 ms / 1.604 ms x 100% = 93.1%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.31$  dB

### 802.11be (EHT20) 106+26-tone MRU 1S1T:

Duty cycle = 1.662 ms / 1.777 ms x 100% = 93.5%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.29$  dB

### 802.11be (EHT80) 484+242-tone MRU 1S1T:

Duty cycle = 1.197 ms / 1.307 ms x 100% = 91.6%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.38$  dB

### 802.11be (EHT160) 996+484-tone MRU 1S1T:

Duty cycle = 1.162 ms / 1.277 ms x 100% = 91.0%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.41$  dB

### 802.11be (EHT160) 996+484+242-tone MRU 1S1T:

Duty cycle = 1.166 ms / 1.282 ms x 100% = 91.0%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.41$  dB

### 802.11a 2TX:

Duty cycle = 2.021 ms / 2.138 ms x 100% = 94.5%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.24$  dB

### 802.11be (EHT20) 2S2T:

Duty cycle = 2.024 ms / 2.143 ms x 100% = 94.4%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.25$  dB

### 802.11be (EHT40) 2S2T:

Duty cycle = 2.026 ms / 2.138 ms x 100% = 94.8%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.23$  dB

### 802.11be (EHT80) 2S2T:

Duty cycle = 1.014 ms / 1.123 ms x 100% = 90.3%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.44$  dB

### 802.11be (EHT160) 2S2T:

Duty cycle = 0.937 ms / 1.052 ms x 100% = 89.1%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.50$  dB

### 802.11be (EHT20) 26-tone RU 2S2T:

Duty cycle = 0.851 ms / 0.978 ms x 100% = 87.0%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.60$  dB

### 802.11be (EHT20) 52-tone RU 2S2T:

Duty cycle = 0.816 ms / 0.938 ms x 100% = 87.0%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.61$  dB

### 802.11be (EHT20) 106-tone RU 2S2T:

Duty cycle = 0.749 ms / 0.86 ms x 100% = 87.1%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.60$  dB

### 802.11be (EHT20) 52+26-tone MRU 2S2T:

Duty cycle = 0.8 ms / 0.912 ms x 100% = 87.7%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.57$  dB

### 802.11be (EHT20) 106+26-tone MRU 2S2T:

Duty cycle = 0.882 ms / 0.991 ms x 100% = 89.0%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.51$  dB

### 802.11be (EHT80) 484+242-tone MRU 2S2T:

Duty cycle = 0.65 ms / 0.759 ms x 100% = 85.6%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.67$  dB

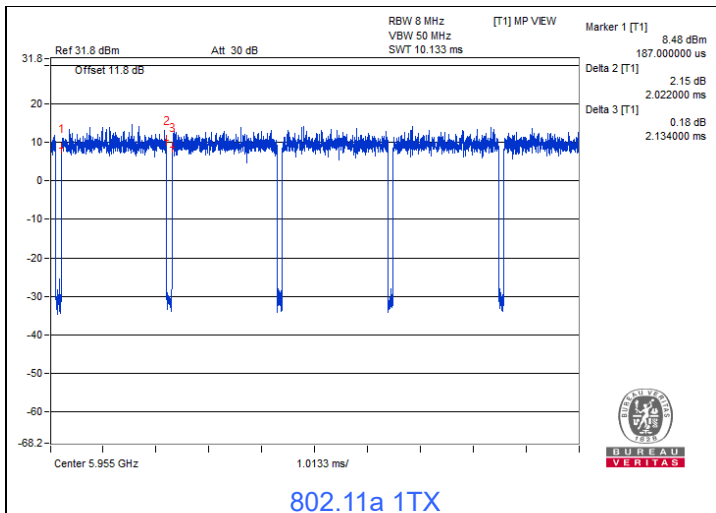
### 802.11be (EHT160) 996+484-tone MRU 2S2T:

Duty cycle = 0.635 ms / 0.746 ms x 100% = 85.1%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.70$  dB

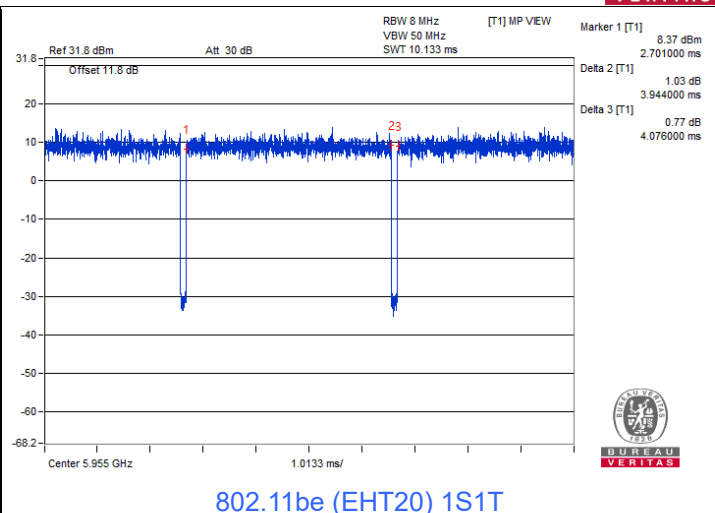
### 802.11be (EHT160) 996+484+242-tone MRU 2S2T:

Duty cycle = 0.633 ms / 0.75 ms x 100% = 84.4%, duty factor =  $10 * \log(1/\text{Duty cycle}) = 0.74$  dB

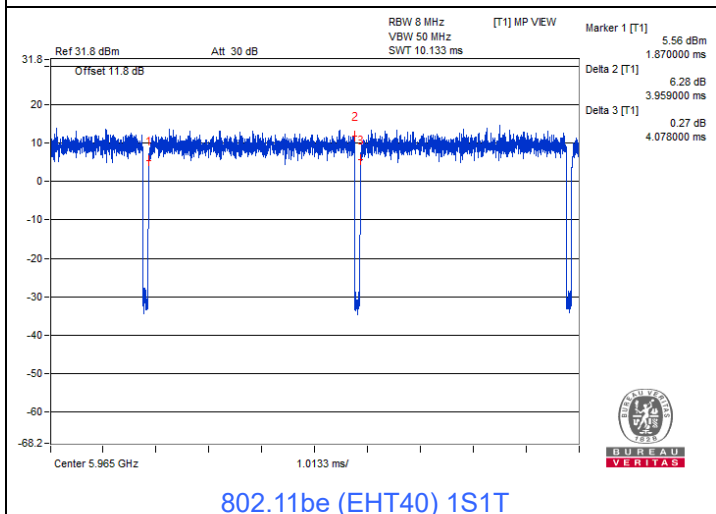




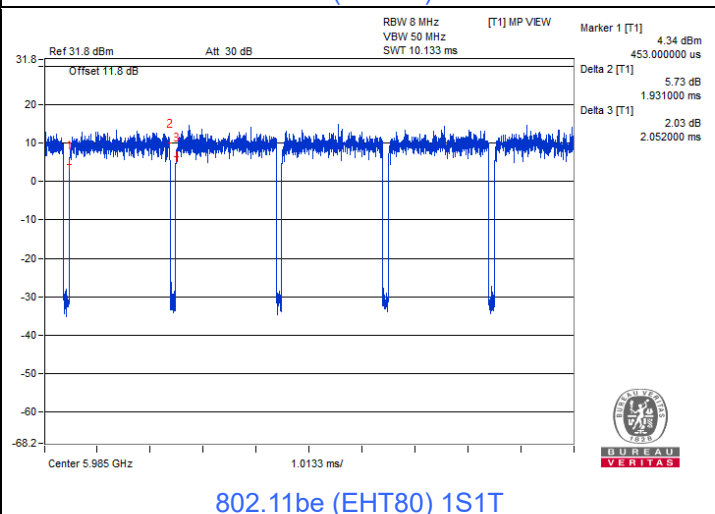
802.11a 1TX



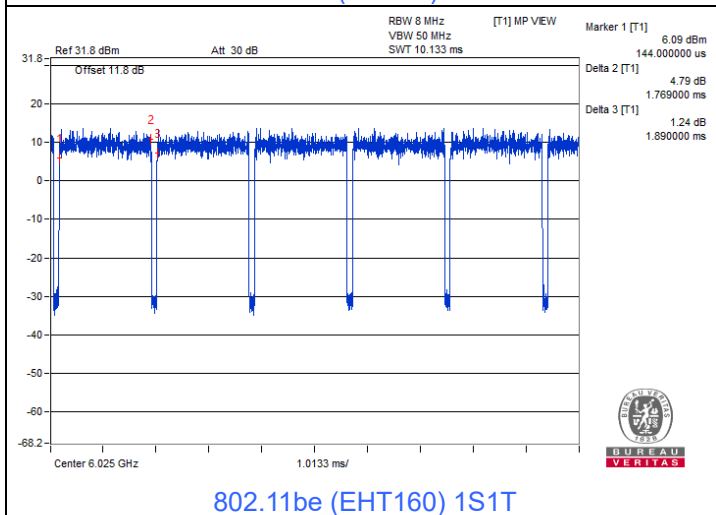
802.11be (EHT20) 1S1T



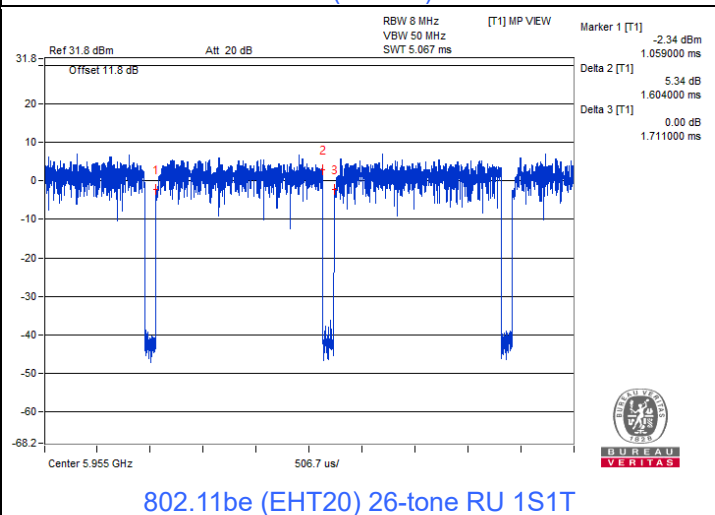
802.11be (EHT40) 1S1T



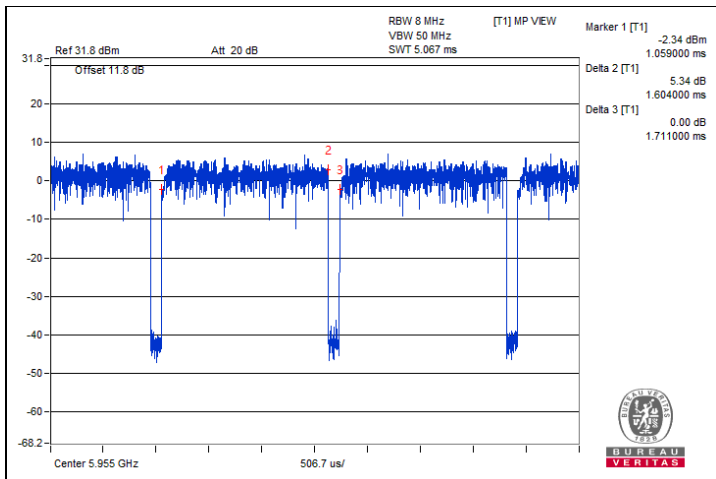
802.11be (EHT80) 1S1T



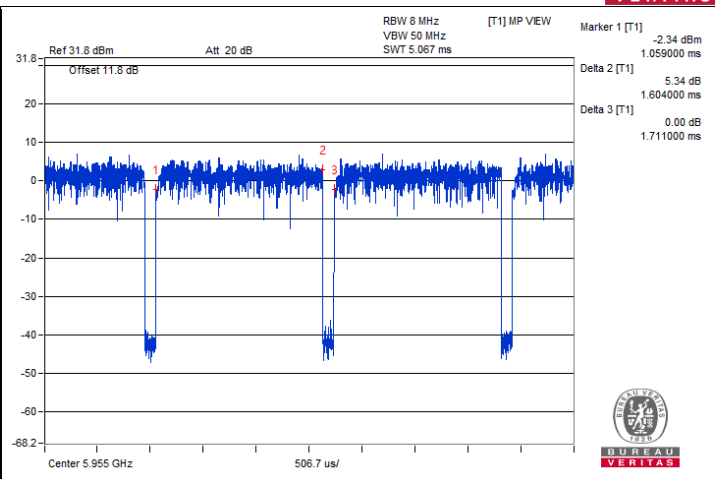
802.11be (EHT160) 1S1T



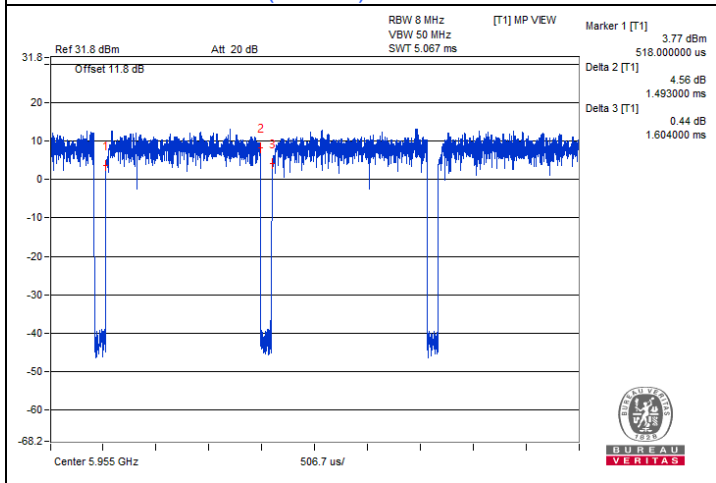
802.11be (EHT20) 26-tone RU 1S1T



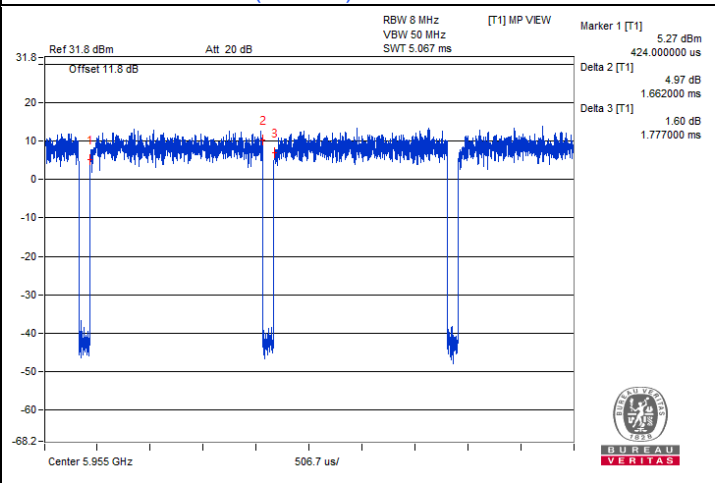
802.11be (EHT20) 52-tone RU 1S1T



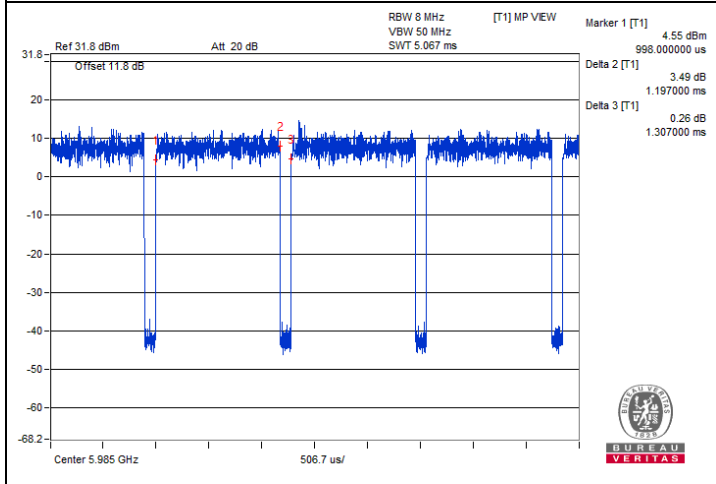
802.11be (EHT20) 106-tone RU 1S1T



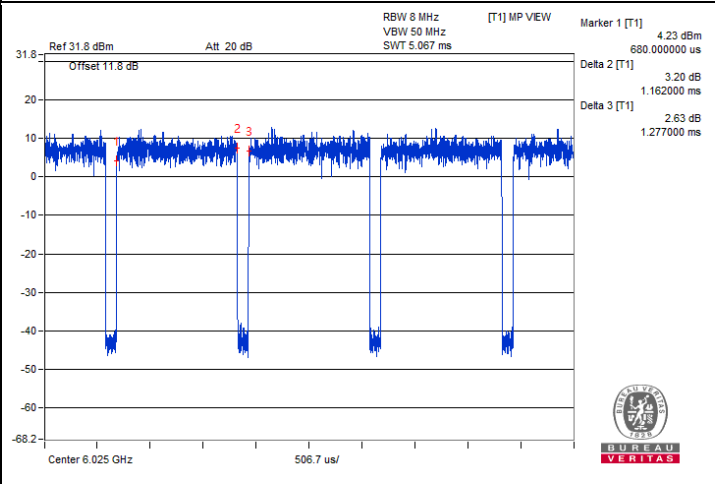
802.11be (EHT20) 52+26-tone MRU 1S1T



802.11be (EHT20) 106+26-tone MRU 1S1T



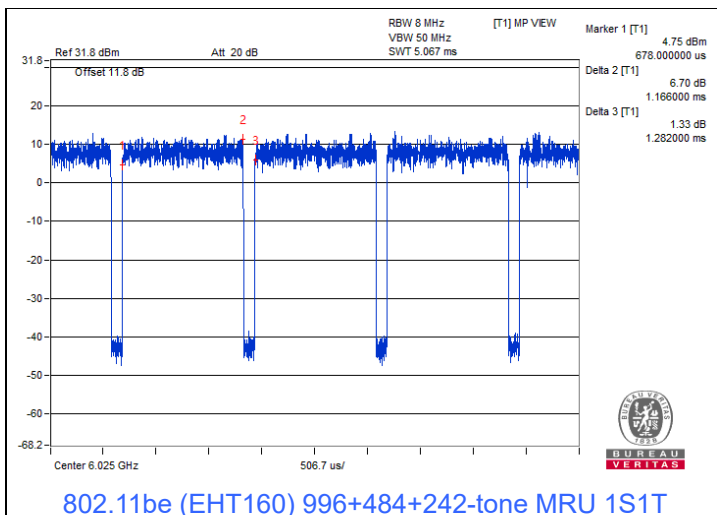
802.11be (EHT80) 484+242-tone MRU 1S1T



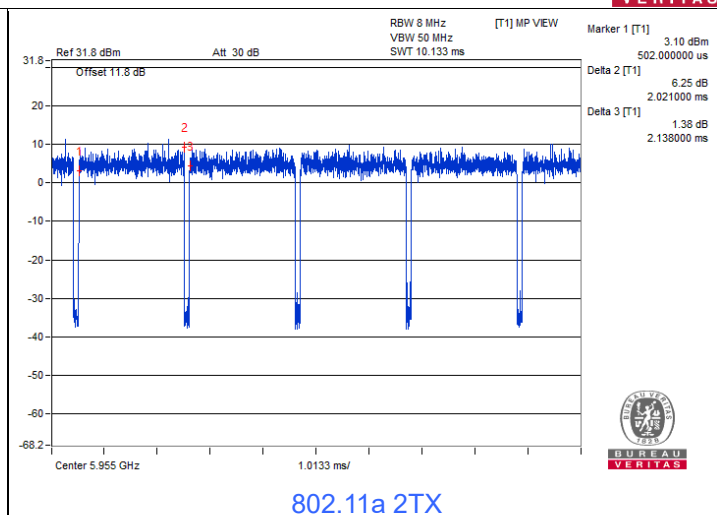
802.11be (EHT160) 996+484-tone MRU 1S1T



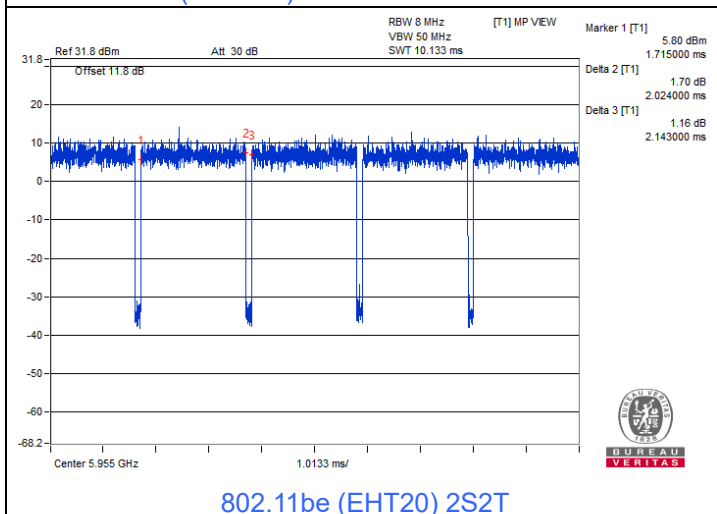
BUREAU VERITAS



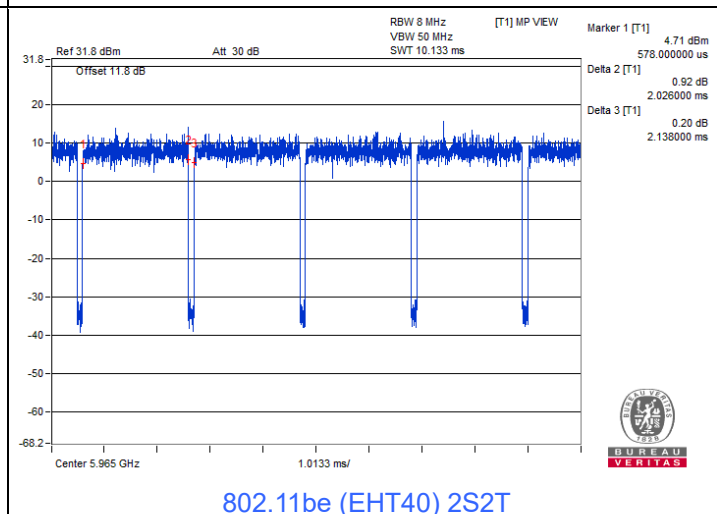
802.11be (EHT160) 996+484+242-tone MRU 1S1T



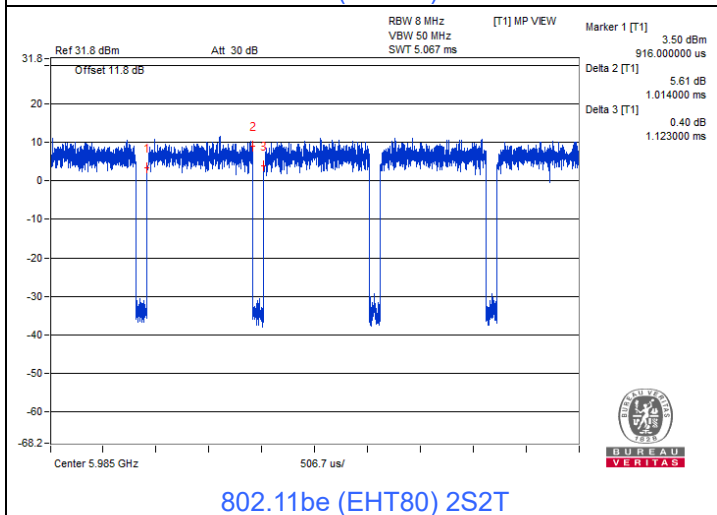
802.11a 2TX



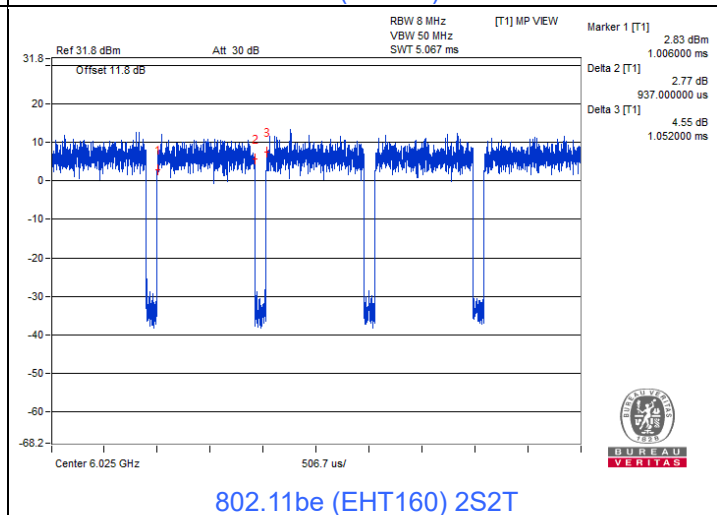
802.11be (EHT20) 2S2T



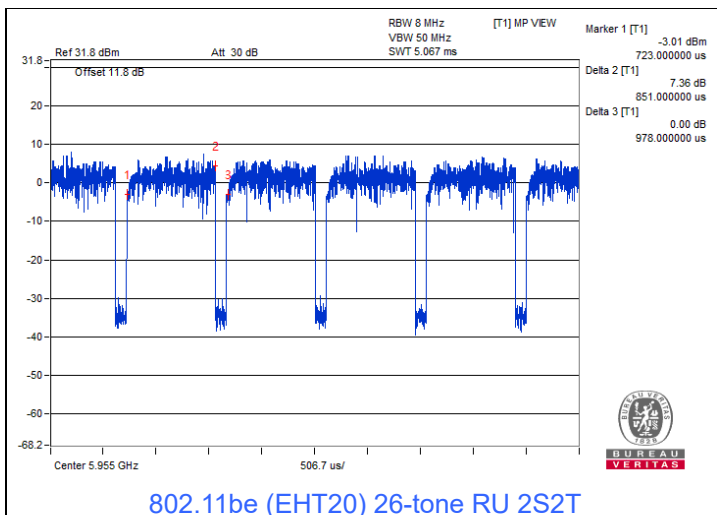
802.11be (EHT40) 2S2T



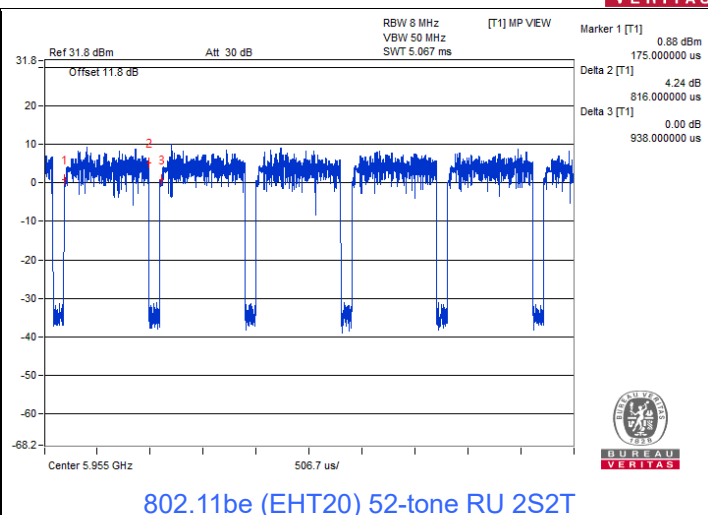
802.11be (EHT80) 2S2T



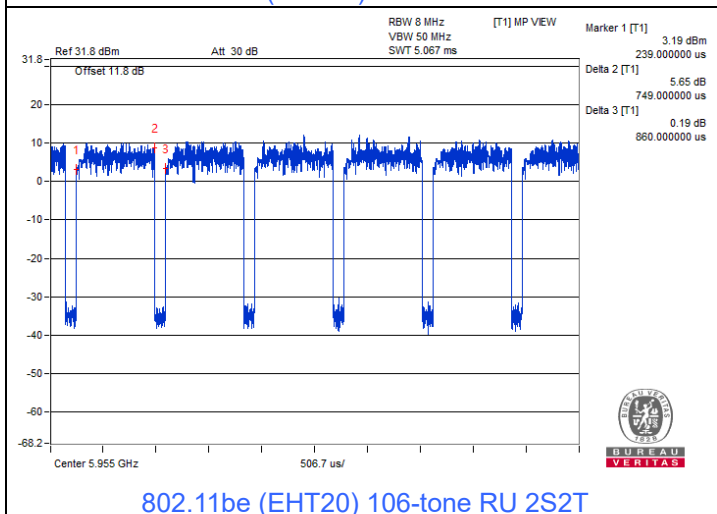
802.11be (EHT160) 2S2T



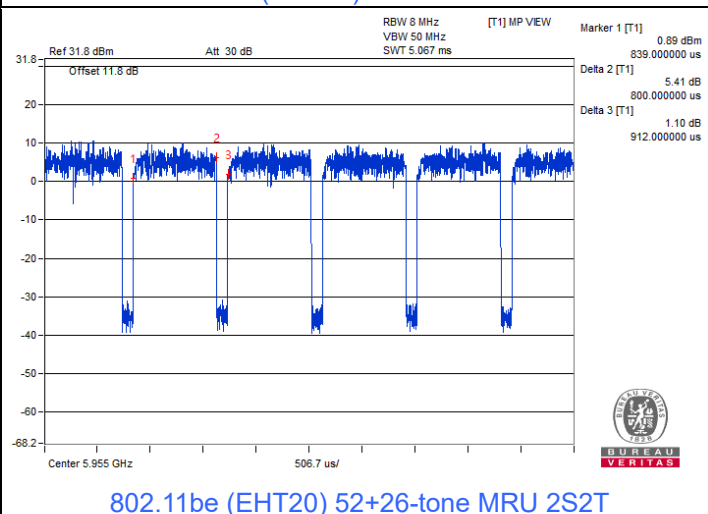
802.11be (EHT20) 26-tone RU 2S2T



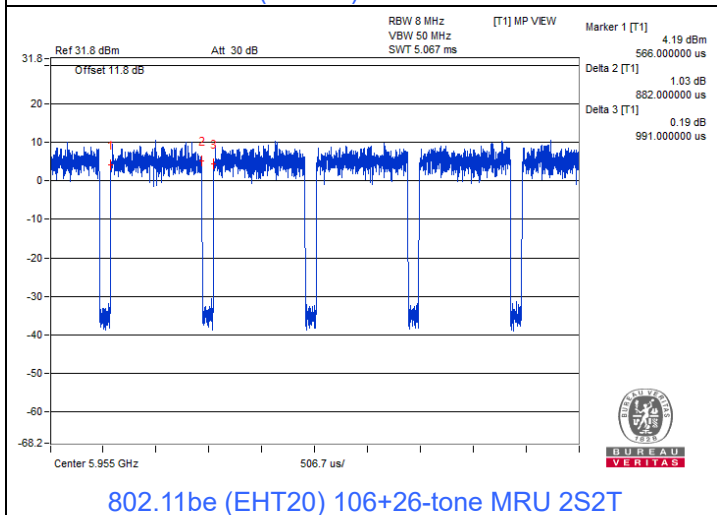
802.11be (EHT20) 52-tone RU 2S2T



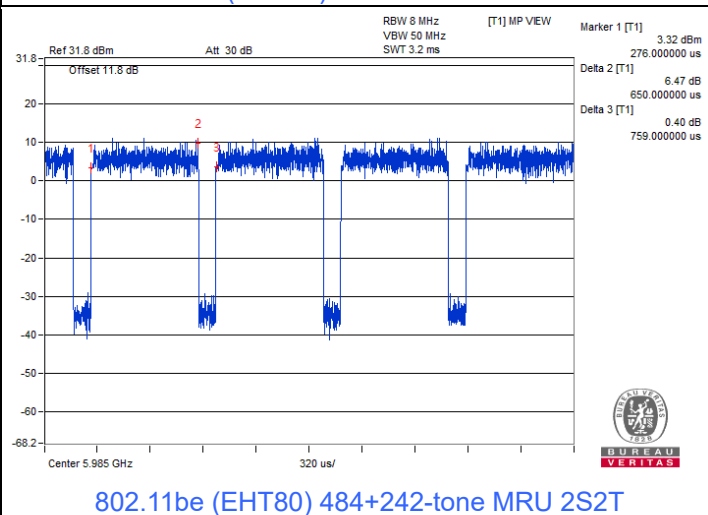
802.11be (EHT20) 106-tone RU 2S2T



802.11be (EHT20) 52+26-tone MRU 2S2T



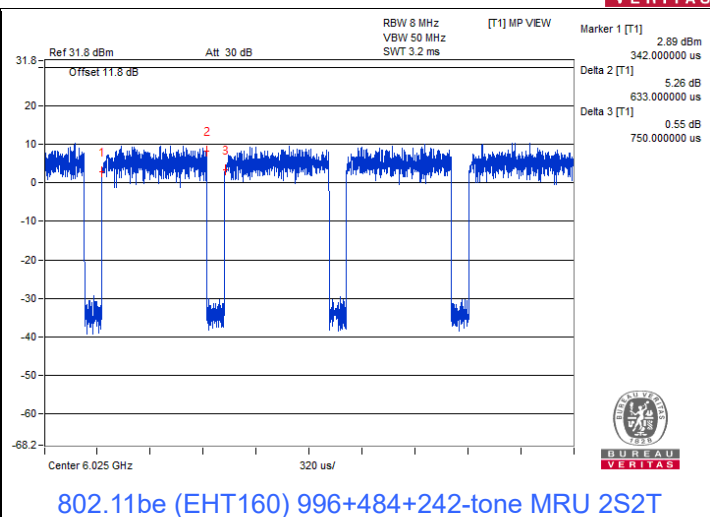
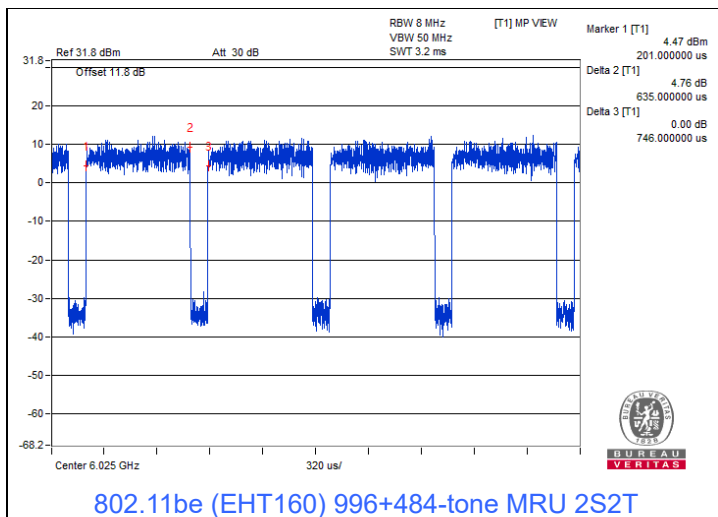
802.11be (EHT20) 106+26-tone MRU 2S2T



802.11be (EHT80) 484+242-tone MRU 2S2T



BUREAU  
VERITAS

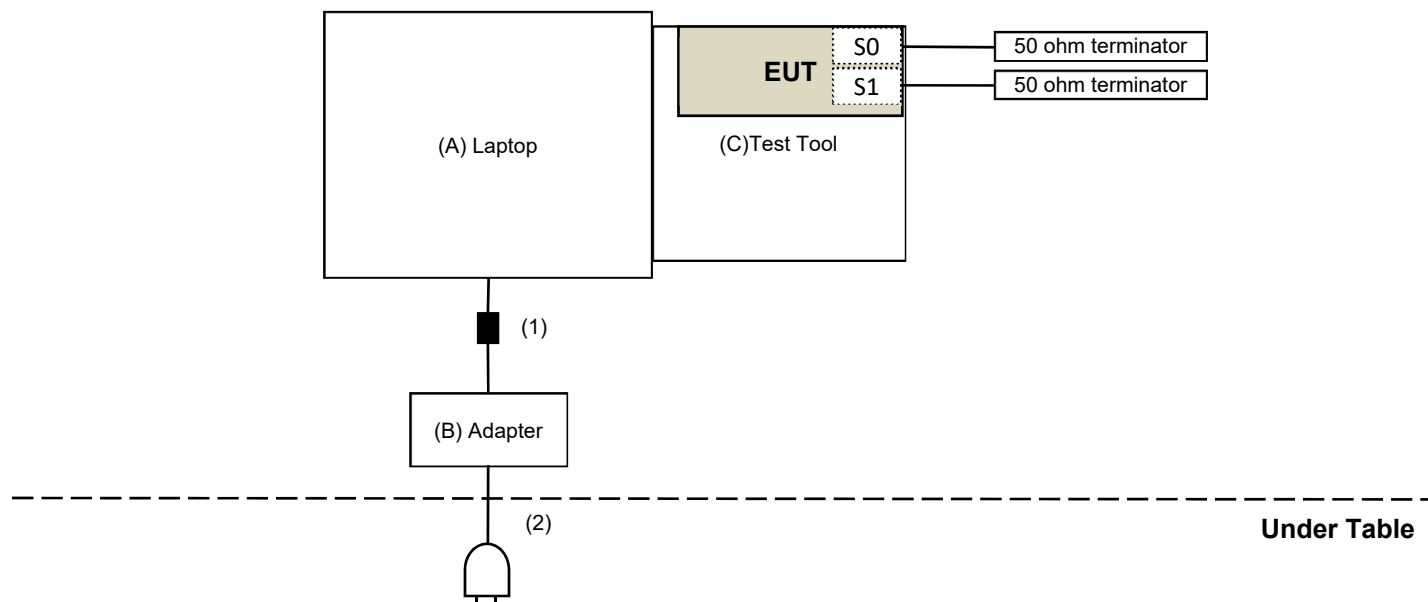


### 3.6 Test Program Used and Operation Descriptions

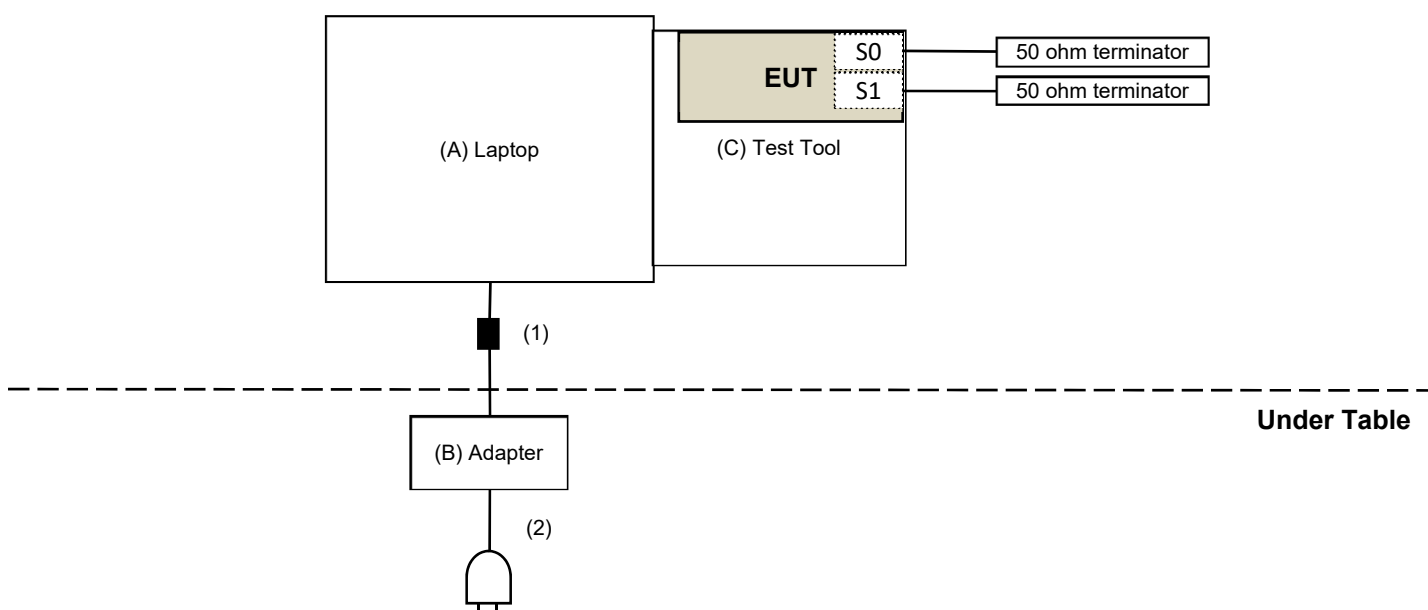
Controlling software (QAtool\_V06 (0.0.2.100)) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

### 3.7 Connection Diagram of EUT and Peripheral Devices

#### For AC Power Conducted Emission test



#### For Unwanted Emission test



### 3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	DELL	E5430	HYV4VY1	DoC	Provided by Lab
B	Adapter	DELL	LLA65NS2-01	N/A	N/A	Provided by Lab
C	Test Tool	Mediatek	MTK1849	N/A	N/A	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	1.8	No	1	Provided by Lab
2	AC Cable	1	1	No	0	Provided by Lab

## 4 Test Instruments

The calibration interval of the all test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

### 4.1 Maximum RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	MDCS18N-10	MDCS18N-10-01	2023/3/27	2024/3/26
Power Meter Anritsu	ML2495A	1529002	2022/6/22 2023/6/17	2023/6/21 2024/6/16
Pulse Power Sensor Anritsu	MA2411B	1726434	2022/6/22	2023/6/21

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/5/4 ~ 2023/6/18

### 4.2 Maximum Power Spectral Density

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	MDCS18N-10	MDCS18N-10-01	2023/3/27	2024/3/26
Fixed Attenuator WOKEN	MDCS18N-10	MDCS18N-10-02	2023/3/27	2024/3/26
MXA Signal Analyzer Keysight	N9020B	MY60112409	2023/2/18	2024/2/17
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/5/4 ~ 2023/7/18

### 4.3 Emission Bandwidth

Refer to section 4.2 to get information of the instruments.

### 4.4 In-Band Emission Mask

Refer to section 4.2 to get information of the instruments.

### 4.5 Occupied Bandwidth

Refer to section 4.2 to get information of the instruments.



#### 4.6 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
DC Power Supply Topward	6603D	795558	N/A	N/A
Fixed Attenuator Woken	MDCS18N-10	MDCS18N-10-01	2023/3/27	2024/3/26
MXA Signal Analyzer Keysight	N9020B	MY60112409	2023/2/18	2024/2/17
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Temperature & Humidity Chamber Giant Force	GTH-150-40-SP-AR	MAA0812-008	2022/12/26	2023/12/25
True RMS Clamp Meter FLUKE	325	31130711WS	2022/6/9 2023/6/8	2023/6/8 2024/6/7

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/5/4 ~ 2023/7/18

#### 4.7 Contention-based Protocol

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
EXA Signal Analyzer Agilent	N9010A	MY52220207	2023/1/3	2024/1/2
MXG Vector signal generator Keysight	N5182B	MY53052282	2023/1/6	2024/1/5
Power Splitter/Combiner Mini-Circuits	ZN2PD-9G	ZN2PD-9G	2023/6/2	2024/6/1
PXA Signal Analyzer Keysight	N9030B	MY57140488	2023/3/6	2024/3/5

Notes:

1. The test was performed in Adaptivity room.
2. Tested Date: 2023/6/15

#### 4.8 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance	N/A	EMC-01	2022/9/27	2023/9/26
EMI Test Receiver R&S	ESCS 30	847124/029	2022/10/14	2023/10/13
Fixed Attenuator STI	STI02-2200-10	005	2023/7/1	2024/6/30
LISN R&S	ESH3-Z5	848773/004	2022/10/18	2023/10/17
RF Coaxial Cable JYEBAO	5D-FB	COCCAB-001	2023/7/1	2024/6/30
Software BVADT	BVADT_Cond_V7.3.7.4	N/A	N/A	N/A

Notes:

1. The test was performed in Conduction 1
2. Tested Date: 2023/7/11

#### 4.9 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-406	2022/10/21	2023/10/20
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-03	2022/12/28	2023/12/27
Loop Antenna Electro-Metrics	EM-6879	264	2023/2/21	2024/2/20
MXA Signal Analyzer Keysight	N9020B	MY60112408	2023/3/6	2024/3/5
MXE EMI Receiver Keysight	N9038A	MY59050100	2023/6/13	2024/6/12
Preamplifier Agilent	8447D	2944A10636	2023/3/12	2024/3/11
Preamplifier EMCI	EMC330N	980701	2023/2/18	2024/2/17
RF Coaxial Cable JYEBAO	5D-FB	LOOPCAB-001	2022/12/19	2023/12/18
		LOOPCAB-002	2022/12/19	2023/12/18
RF Coaxial Cable PEWC	8D	966-4-1	2023/2/18	2024/2/17
		966-4-2	2023/2/18	2024/2/17
		966-4-3	2023/2/18	2024/2/17
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A
Fixed Attenuator Woken	MDCS18N-10	MDCS18N-10-01	2023/3/27	2024/3/26

Notes:

1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2023/7/12

#### 4.10 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-783	2022/11/13	2023/11/12
	BBHA 9170	9170-739	2022/11/13	2023/11/12
MXA Signal Analyzer Keysight	N9020B	MY60112408	2023/3/6	2024/3/5
Preamplifier EMCI	EMC12630SE	980688	2022/10/4	2023/10/3
	EMC184045SE	980387	2022/12/28	2023/12/27
RF Coaxial Cable EMCI	EMC-KM-KM-4000	200214	2023/2/20	2024/2/19
	EMC102-KM-KM-1200	160924	2022/12/28	2023/12/27
	EMC104-SM-SM-1200	160922	2022/12/15	2023/12/14
	EMC104-SM-SM-2000	180502	2023/3/27	2024/3/26
	EMC104-SM-SM-6000	210704	2022/11/4	2023/11/3
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A
Fixed Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2023/3/27	2024/3/26
Fixed Attenuator WOKEN	MDCS18N-10	MDCS18N-10-02	2023/3/27	2024/3/26

Notes:

1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2023/7/10 ~ 2023/7/11

## 5 Limits of Test Items

### 5.1 Maximum RF Output Power

Operation Band	Equipment Class	Limit
		Maximum Average Power
U-NII-5 U-NII-6 U-NII-7 U-NII-8	6CD: 15E 6 GHz Dual client (under control of a low-power indoor access point)	EIRP 24 dBm
U-NII-5 U-NII-7	6CD: 15E 6 GHz Dual client (under control of a Standard power access point)	EIRP 30 dBm

Per KDB 662911 Method of conducted output power measurement on IEEE 802.11 devices,

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

Array Gain = 0 dB (i.e., no array gain) for channel widths  $\geq 40$  MHz for any  $N_{ANT}$ ;

Array Gain =  $5 \log(N_{ANT}/N_{SS})$  dB or 3 dB, whichever is less for 20-MHz channel widths with  $N_{ANT} \geq 5$ .

For power measurements on all other devices: Array Gain =  $10 \log(N_{ANT}/N_{SS})$  dB.

### 5.2 Maximum Power Spectral Density

Operation Band	Equipment Class	Limit
		Maximum Power Density
U-NII-5 U-NII-6 U-NII-7 U-NII-8	6CD: 15E 6 GHz Dual client (under control of a low-power indoor access point)	EIRP -1 dBm/MHz
U-NII-5 U-NII-7	6CD: 15E 6 GHz Dual client (under control of a Standard power access point)	EIRP 17 dBm/MHz

### 5.3 Emission Bandwidth

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

## 5.4 In-Band Emission Mask

Test Item	Frequencies (MHz)	(X) dBc* <sup>1</sup>
Emission Mask	At 1 MHz outside of channel edge	20
	At one channel bandwidth from the channel center* <sup>2</sup>	28
	At one- and one-half times the channel bandwidth away from channel center* <sup>3</sup>	40
	More than one- and one-half times the channel bandwidth	40

\*<sup>1</sup> : The power spectral density must be suppressed by “x” dB

\*<sup>2</sup> : 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,

\*<sup>3</sup> : 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.

## 5.5 Occupied Bandwidth

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

## 5.6 Frequency Stability

The frequency of the carrier signal shall be maintained within band of operation.

## 5.7 Contention-based Protocol

Unlicensed indoor low-power devices must detect co-channel radio frequency power that is at least -62 dBm (The threshold is referenced to a 0 dBi antenna gain.) or lower. Additionally, indoor low-power devices must detect co-channel energy with 90% or greater certainty.

## 5.8 AC Power Conducted Emissions

Frequency (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

Notes:

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.

## 5.9 Unwanted Emissions below 1 GHz

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

Frequencies (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

Notes:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).

## 5.10 Unwanted Emissions above 1 GHz

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
Above 960	500	3

Notes:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

Limits of unwanted emission out of the restricted bands

Frequencies (MHz)	EIRP Limit	Equivalent Field Strength at 3 m
5925 MHz > F > 7125 MHz	Peak: -7 (dBm/MHz)	88.2 (dBuV/m)
	Average: -27 (dBm/MHz)	68.2 (dBuV/m)

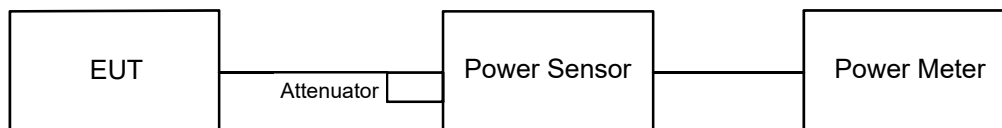
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

## 6 Test Arrangements

### 6.1 Maximum RF Output Power

#### 6.1.1 Test Setup

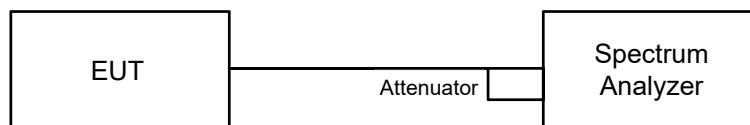


#### 6.1.2 Test Procedure

Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst and set the detector to average. Duty factor is not added to measured value.

### 6.2 Maximum Power Spectral Density

#### 6.2.1 Test Setup



#### 6.2.2 Test Procedure

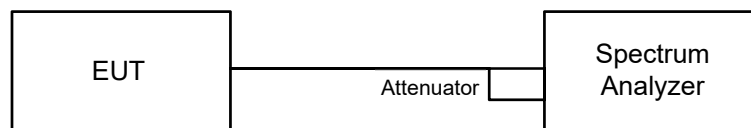
##### For specified measurement bandwidth 1 MHz:

Method SA-2

- a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
- b. Set RBW = 1 MHz, Set VBW  $\geq$  3 MHz, Detector = RMS
- c. Sweep points  $\geq [2 \times \text{span} / \text{RBW}]$ . (This gives bin-to-bin spacing  $\leq$  RBW / 2, so that narrowband signals are not lost between frequency bins.)
- d. Sweep time = auto, trigger set to "free run".
- e. Trace average at least 100 traces in power averaging mode.
- f. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
- g. Record the max value and add  $10 \log (1/\text{duty cycle})$ .

## 6.3 Emission Bandwidth

### 6.3.1 Test Setup

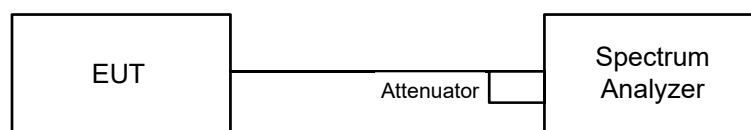


### 6.3.2 Test Procedure

- a. Set RBW = approximately 1% of the emission bandwidth.
- b. Set the VBW > RBW.
- c. Detector = Peak.
- d. Trace mode = max hold.
- e. 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%.

## 6.4 In-Band Emission Mask

### 6.4.1 Test Setup



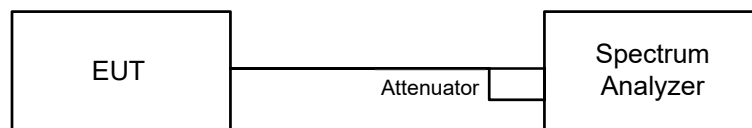
### 6.4.2 Test Procedure

- a. Connect output of the antenna port to a spectrum analyzer and adjust appropriate attenuation.
- b. Measure the 26 dB EBW using the test procedure 12.4.1 of ANSI C63.10-2013. (Determine the channel edge.)
- c. Measure the power spectral density (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 X RBW].
  - d) Number of points in sweep  $\geq$  [2 X span / 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.
- d. 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. (The channel edge is defined as the 26-dB point on either side of the carrier center frequency.)
  - 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.
- e. Adjust the span to encompass the entire mask as necessary and clear trace.
- f. Trace average at least 100 traces in power averaging (rms) mode.
- g. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask



## 6.5 Occupied Bandwidth

### 6.5.1 Test Setup

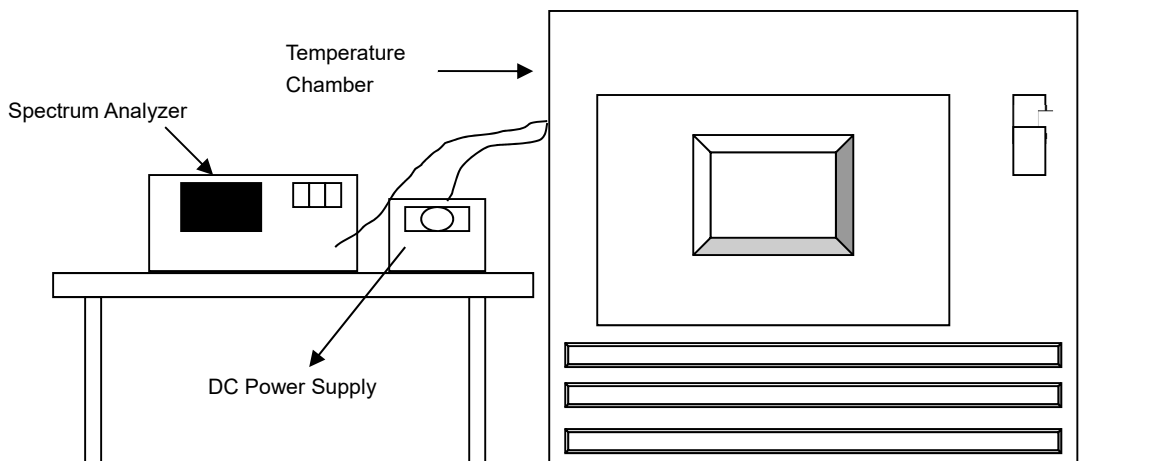


### 6.5.2 Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth and set the detector to Sampling. The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean power of a given emission.

## 6.6 Frequency Stability

### 6.6.1 Test Setup

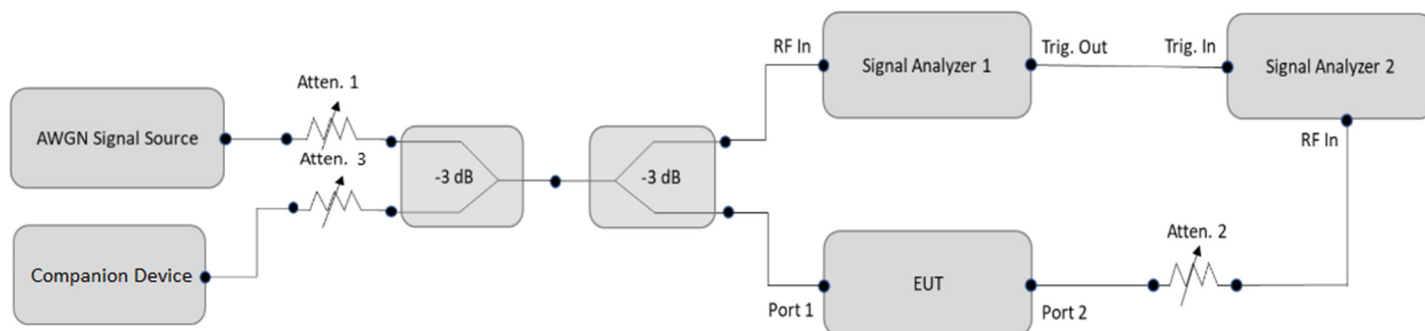


### 6.6.2 Test Procedure

- The EUT was placed inside the environmental test chamber and powered by nominal DC voltage.
- Turn the EUT on and couple its output to a spectrum analyzer.
- Turn the EUT off and set the chamber to the highest temperature specified.
- Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 Minutes.
- Repeat step (d) with the temperature chamber set to the next desired temperature until measurements down to the lowest specified temperature have been completed.
- The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 Minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

## 6.7 Contention-based Protocol

### 6.7.1 Test Setup



### 6.7.2 Test Procedure

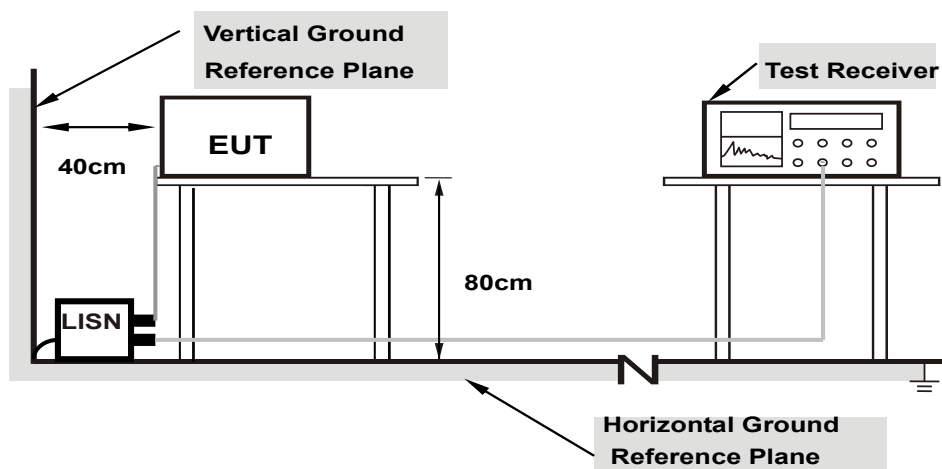
- Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT. Connect the output port of the EUT to the signal analyzer 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
- Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters (set as following section 4.7.5 EUT operating condition).
- Determine number of times detection threshold test as following table,

If	Number of Tests	Placement of Incumbent Transmission
$BW_{EUT} \leq BW_{Inc}$	Once	Same as EUT transmission
$BW_{Inc} < BW_{EUT} \leq 2x BW_{Inc}$	Once	Contained within $BW_{EUT}$
$2x BW_{Inc} < BW_{EUT} \leq 4x BW_{Inc}$	Twice. (Incumbent transmission is contained within $BW_{EUT}$ )	Closely to the lower edge and upper edge of the EUT Channel
$BW_{EUT} > 4x BW_{Inc}$	Three times	Closely to the lower edge, in the middle and upper edge of the EUT Channel

- Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use step c table to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
- 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.
- Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.
- 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.
- (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.
- Refer to step c table 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 d, choose a different center frequency for the AWGN signal and repeat the process.

## 6.8 AC Power Conducted Emissions

### 6.8.1 Test Setup



**Note: 1.Support units were connected to second LISN.**

For the actual test configuration, please refer to the attached file (Test Setup Photo).

### 6.8.2 Test Procedure

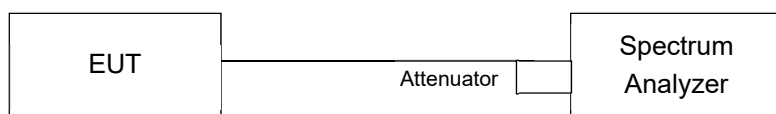
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

Note: The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz-30 MHz.

## 6.9 Unwanted Emissions below 1 GHz

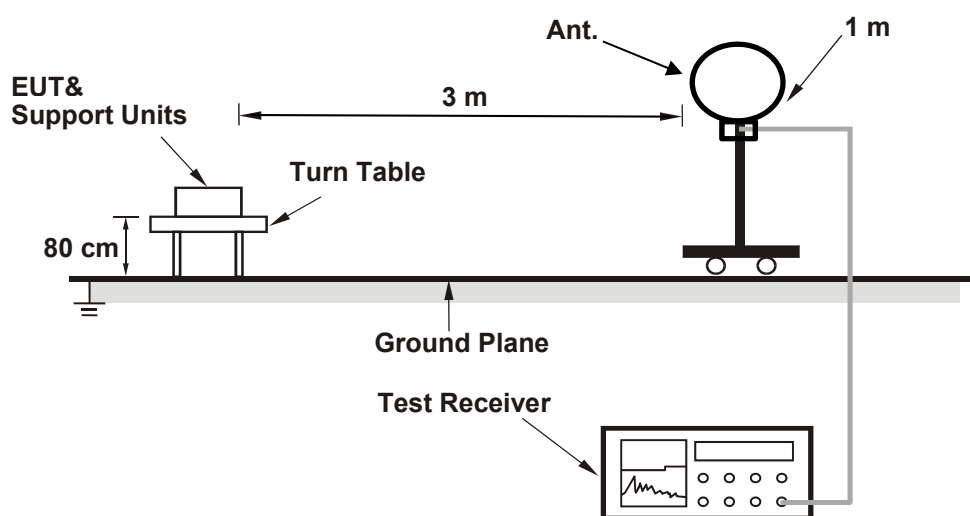
### 6.9.1 Test Setup

#### For Conducted Configuration:

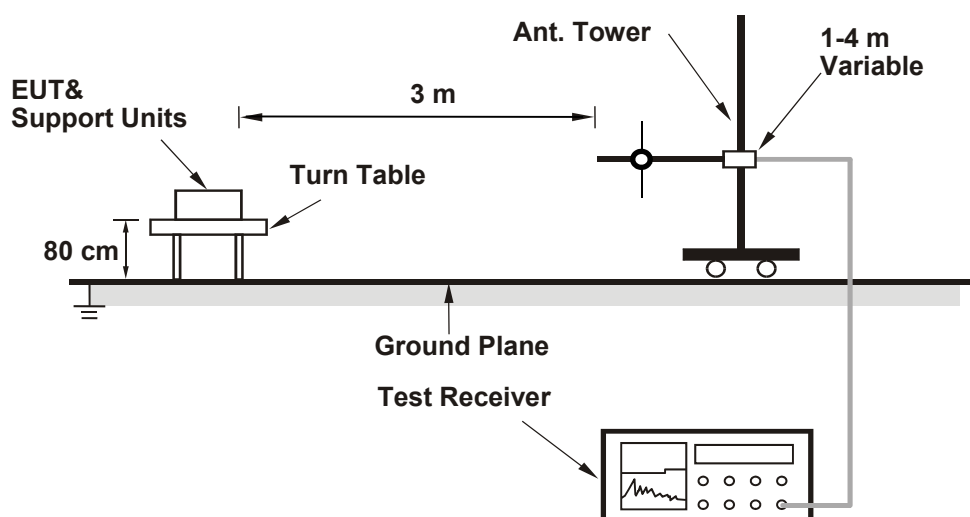


#### For Radiated Configuration:

##### For Radiated emission below 30 MHz



##### For Radiated emission above 30 MHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

## 6.9.2 Test Procedure

### Radiated versus Conducted Measurement.

The unwanted emission limits in both the restricted and non-restricted bands are based on antenna-port conducted measurements in conjunction with cabinet emissions tests are permitted to demonstrate compliance.

The following steps was performed:

- a. Cabinet emissions measurements. Radiated measurement was performed to ensure that cabinet emissions are below the emission limits. For the cabinet-emission measurements the antenna was replaced by a termination matching the nominal impedance of the antenna.
- b. Conducted tests was performed using equipment that matches the nominal impedance of the antenna assembly used with the EUT.
- c. EIRP calculation. A value representative of an upper bound on out-of-band antenna gain (in dBi) shall be added to the measured antenna-port conducted emission power to compute EIRP within the specified measurement bandwidth. (For emissions in the restricted bands, additional calculations are required to convert EIRP to field strength at the specified distance.) The upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands or 2 dBi, whichever is greater.
- d. EIRP adjustments for multiple outputs. (Follow the procedures specified in FCC KDB Publication 662911)
- e. For all of Radiation emission test

#### **For Radiated emission below 30 MHz**

- e-1.1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- e-1.2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- e-1.3. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- e-1.4. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e-1.5. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode, except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

#### Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 200 Hz at frequency below 150 kHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz or 10 kHz at frequency (150 kHz to 30 MHz).
3. All modes of operation were investigated and the worst-case emissions are reported.
4. KDB 414788 OATS and Chamber Correlation Justification
  - Based on FCC 15.31(f)(2):measurements may be performed at a distance closer than that specified in the regulations; however, an attempts should be made to avoid making measurements in the near field.
  - OATs and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

### **For Radiated emission above 30 MHz**

- e-2.1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- e-2.2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- e-2.3. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e-2.4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e-2.5. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

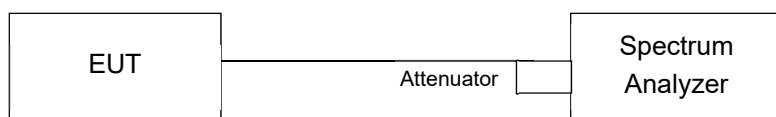
#### **Notes:**

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP), Average detection (AV), Peak detection (PK) at frequency (30MHz to 1 GHz).
2. All modes of operation were investigated and the worst-case emissions are reported.

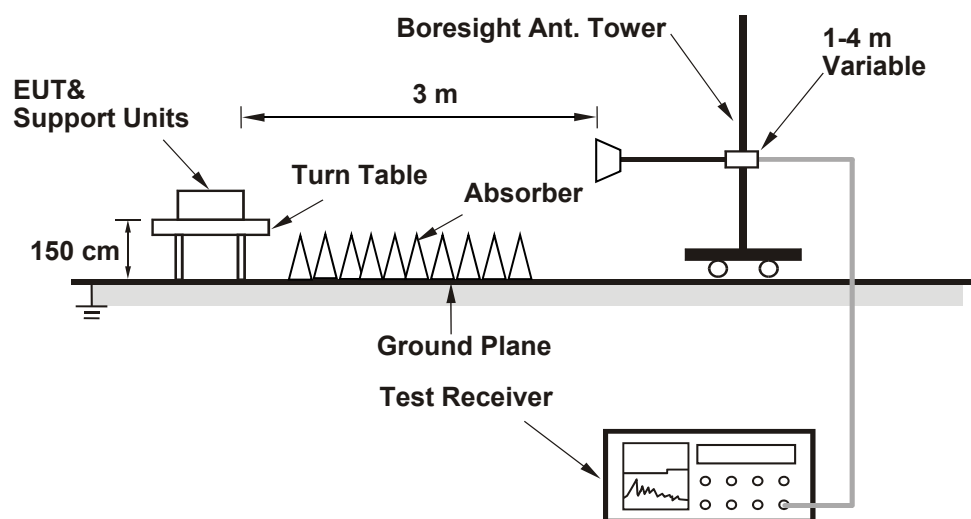
## 6.10 Unwanted Emissions above 1 GHz

### 6.10.1 Test Setup

#### For Conducted Configuration:



#### For Radiated Configuration:



For the actual test configuration, please refer to the attached file (Test Setup Photo).

## 6.10.2 Test Procedure

### Radiated versus Conducted Measurement.

The unwanted emission limits in both the restricted and non-restricted bands are based on antenna-port conducted measurements in conjunction with cabinet emissions tests are permitted to demonstrate compliance.

The following steps was performed:

- a. Cabinet emissions measurements. Radiated measurement was performed to ensure that cabinet emissions are below the emission limits. For the cabinet-emission measurements the antenna was replaced by a termination matching the nominal impedance of the antenna.
- b. Conducted tests was performed using equipment that matches the nominal impedance of the antenna assembly used with the EUT.
- c. EIRP calculation. A value representative of an upper bound on out-of-band antenna gain (in dBi) shall be added to the measured antenna-port conducted emission power to compute EIRP within the specified measurement bandwidth. (For emissions in the restricted bands, additional calculations are required to convert EIRP to field strength at the specified distance.) The upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands or 2 dBi, whichever is greater.
- d. EIRP adjustments for multiple outputs. (Follow the procedures specified in FCC KDB Publication 662911)
- e. For all of Radiation emission test
  - e-1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
  - e-2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
  - e-3. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
  - e-4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
  - e-5. The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

#### Notes:

1. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) and Average detection (AV) at frequency above 1 GHz.
2. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is  $\geq 1/T$  (Duty cycle < 98%) or 10 Hz (Duty cycle  $\geq 98\%$ ) for Average detection (AV) at frequency above 1 GHz.
3. All modes of operation were investigated and the worst-case emissions are reported.



## 7 Test Results of Test Item

### 7.1 Maximum RF Output Power

#### Indoor Client

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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#### 802.11a 1TX

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	4.786	6.80	4.76	14.321	11.56	24	Pass
45	6175	4.753	6.77	4.76	14.222	11.53	24	Pass
93	6415	4.808	6.82	4.76	14.387	11.58	24	Pass
97	6435	5.117	7.09	4.29	13.741	11.38	24	Pass
105	6475	5.152	7.12	4.29	13.835	11.41	24	Pass
113	6515	5.188	7.15	4.29	13.932	11.44	24	Pass
117	6535	5.023	7.01	4.61	14.52	11.62	24	Pass
149	6695	5.07	7.05	4.61	14.656	11.66	24	Pass
181	6855	5.047	7.03	4.61	14.589	11.64	24	Pass
185	6875	4.989	6.98	4.61	14.422	11.59	24	Pass
209	6995	5.358	7.29	4.09	13.741	11.38	24	Pass
233	7115	5.395	7.32	4.09	13.835	11.41	24	Pass

#### Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

**802.11ax (HE20) 1S1T**

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	5.152	7.12	4.76	15.416	11.88	24	Pass
45	6175	5.047	7.03	4.76	15.102	11.79	24	Pass
93	6415	4.989	6.98	4.76	14.928	11.74	24	Pass
97	6435	5.408	7.33	4.29	14.522	11.62	24	Pass
105	6475	5.383	7.31	4.29	14.455	11.6	24	Pass
113	6515	5.495	7.40	4.29	14.756	11.69	24	Pass
117	6535	5.236	7.19	4.61	15.136	11.8	24	Pass
149	6695	5.188	7.15	4.61	14.997	11.76	24	Pass
181	6855	5.129	7.10	4.61	14.826	11.71	24	Pass
185	6875	5.07	7.05	4.61	14.656	11.66	24	Pass
209	6995	5.559	7.45	4.09	14.256	11.54	24	Pass
233	7115	5.649	7.52	4.09	14.487	11.61	24	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

**802.11ax (HE40) 1S1T**

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
3	5965	8.892	9.49	4.76	26.607	14.25	24	Pass
43	6165	8.63	9.36	4.76	25.823	14.12	24	Pass
91	6405	8.73	9.41	4.76	26.122	14.17	24	Pass
99	6445	10.52	10.22	4.29	28.25	14.51	24	Pass
107	6485	10.351	10.15	4.29	27.796	14.44	24	Pass
115	6525	9.183	9.63	4.61	26.545	14.24	24	Pass
123	6565	9.141	9.61	4.61	26.424	14.22	24	Pass
155	6725	9.057	9.57	4.61	26.181	14.18	24	Pass
179	6845	9.376	9.72	4.61	27.103	14.33	24	Pass
187	6885	10.069	10.03	4.09	25.822	14.12	24	Pass
211	7005	10.617	10.26	4.09	27.227	14.35	24	Pass
227	7085	10.789	10.33	4.09	27.668	14.42	24	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

### 802.11ax (HE80) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
7	5985	17.824	12.51	4.76	53.334	17.27	24	Pass
39	6145	17.539	12.44	4.76	52.481	17.2	24	Pass
87	6385	17.338	12.39	4.76	51.88	17.15	24	Pass
103	6465	18.967	12.78	4.29	50.933	17.07	24	Pass
119	6545	17.989	12.55	4.61	52	17.16	24	Pass
151	6705	18.113	12.58	4.61	52.359	17.19	24	Pass
183	6865	17.989	12.55	4.61	52	17.16	24	Pass
199	6945	18.75	12.73	4.09	48.084	16.82	24	Pass
215	7025	19.143	12.82	4.09	49.092	16.91	24	Pass

Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

### 802.11ax (HE160) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	33.266	15.22	4.76	99.541	19.98	24	Pass
47	6185	31.842	15.03	4.76	95.28	19.79	24	Pass
79	6345	33.729	15.28	4.76	100.926	20.04	24	Pass
111	6505	37.844	15.78	4.29	101.624	20.07	24	Pass
143	6665	32.509	15.12	4.61	93.973	19.73	24	Pass
175	6825	32.961	15.18	4.61	95.28	19.79	24	Pass
207	6985	39.719	15.99	4.09	101.859	20.08	24	Pass

Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

**802.11be (EHT20) 1S1T**

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	5.176	7.14	4.76	15.488	11.9	24	Pass
45	6175	5.07	7.05	4.76	15.171	11.81	24	Pass
93	6415	5	6.99	4.76	14.961	11.75	24	Pass
97	6435	5.433	7.35	4.29	14.589	11.64	24	Pass
105	6475	5.42	7.34	4.29	14.555	11.63	24	Pass
113	6515	5.521	7.42	4.29	14.826	11.71	24	Pass
117	6535	5.272	7.22	4.61	15.24	11.83	24	Pass
149	6695	5.224	7.18	4.61	15.101	11.79	24	Pass
181	6855	5.152	7.12	4.61	14.893	11.73	24	Pass
185	6875	5.117	7.09	4.61	14.792	11.7	24	Pass
209	6995	5.598	7.48	4.09	14.356	11.57	24	Pass
233	7115	5.689	7.55	4.09	14.589	11.64	24	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

**802.11be (EHT40) 1S1T**

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
3	5965	8.933	9.51	4.76	26.73	14.27	24	Pass
43	6165	8.67	9.38	4.76	25.943	14.14	24	Pass
91	6405	8.79	9.44	4.76	26.302	14.2	24	Pass
99	6445	10.568	10.24	4.29	28.379	14.53	24	Pass
107	6485	10.423	10.18	4.29	27.989	14.47	24	Pass
115	6525	9.247	9.66	4.61	26.73	14.27	24	Pass
123	6565	9.183	9.63	4.61	26.545	14.24	24	Pass
155	6725	9.12	9.60	4.61	26.363	14.21	24	Pass
179	6845	9.441	9.75	4.61	27.291	14.36	24	Pass
187	6885	10.139	10.06	4.09	26.001	14.15	24	Pass
211	7005	10.666	10.28	4.09	27.353	14.37	24	Pass
227	7085	10.839	10.35	4.09	27.796	14.44	24	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

### 802.11be (EHT80) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
7	5985	17.947	12.54	4.76	53.702	17.3	24	Pass
39	6145	17.62	12.46	4.76	52.724	17.22	24	Pass
87	6385	17.418	12.41	4.76	52.119	17.17	24	Pass
103	6465	19.055	12.80	4.29	51.169	17.09	24	Pass
119	6545	18.113	12.58	4.61	52.359	17.19	24	Pass
151	6705	18.239	12.61	4.61	52.723	17.22	24	Pass
183	6865	18.072	12.57	4.61	52.24	17.18	24	Pass
199	6945	18.836	12.75	4.09	48.305	16.84	24	Pass
215	7025	19.275	12.85	4.09	49.43	16.94	24	Pass

Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

### 802.11be (EHT160) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	33.42	15.24	4.76	100.001	20	24	Pass
47	6185	31.989	15.05	4.76	95.72	19.81	24	Pass
79	6345	33.884	15.30	4.76	101.39	20.06	24	Pass
111	6505	38.019	15.80	4.29	102.094	20.09	24	Pass
143	6665	32.659	15.14	4.61	94.407	19.75	24	Pass
175	6825	33.113	15.20	4.61	95.719	19.81	24	Pass
207	6985	39.994	16.02	4.09	102.564	20.11	24	Pass

Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

**802.11be (EHT20) 26-tone RU 1S1T**

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	0.7656	-1.16	4.76	2.291	3.6	24	Pass
93	6415	0.7464	-1.27	4.76	2.233	3.49	24	Pass
97	6435	0.8356	-0.78	4.29	2.244	3.51	24	Pass
113	6515	0.7798	-1.08	4.29	2.094	3.21	24	Pass
117	6535	0.7447	-1.28	4.61	2.153	3.33	24	Pass
185	6875	0.7709	-1.13	4.61	2.228	3.48	24	Pass
209	6995	0.8511	-0.70	4.09	2.183	3.39	24	Pass
233	7115	0.879	-0.56	4.09	2.254	3.53	24	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

**802.11be (EHT20) 52-tone RU 1S1T**

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	1.644	2.16	4.76	4.919	6.92	24	Pass
93	6415	1.521	1.82	4.76	4.551	6.58	24	Pass
97	6435	1.675	2.24	4.29	4.498	6.53	24	Pass
113	6515	1.687	2.27	4.29	4.53	6.56	24	Pass
117	6535	1.589	2.01	4.61	4.593	6.62	24	Pass
185	6875	1.581	1.99	4.61	4.57	6.6	24	Pass
209	6995	1.832	2.63	4.09	4.698	6.72	24	Pass
233	7115	1.71	2.33	4.09	4.385	6.42	24	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

**802.11be (EHT20) 106-tone RU 1S1T**

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	2.965	4.72	4.76	8.872	9.48	24	Pass
93	6415	3.133	4.96	4.76	9.375	9.72	24	Pass
97	6435	3.296	5.18	4.29	8.851	9.47	24	Pass
113	6515	3.42	5.34	4.29	9.184	9.63	24	Pass
117	6535	3.365	5.27	4.61	9.727	9.88	24	Pass
185	6875	3.342	5.24	4.61	9.661	9.85	24	Pass
209	6995	3.499	5.44	4.09	8.973	9.53	24	Pass
233	7115	3.556	5.51	4.09	9.119	9.6	24	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

**802.11be (EHT20) 52+26-tone MRU 1S1T**

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	2.143	3.31	4.76	6.412	8.07	24	Pass
93	6415	2.203	3.43	4.76	6.592	8.19	24	Pass
97	6435	2.355	3.72	4.29	6.324	8.01	24	Pass
113	6515	2.399	3.80	4.29	6.442	8.09	24	Pass
117	6535	2.193	3.41	4.61	6.339	8.02	24	Pass
185	6875	2.173	3.37	4.61	6.281	7.98	24	Pass
209	6995	2.5	3.98	4.09	6.411	8.07	24	Pass
233	7115	2.685	4.29	4.09	6.886	8.38	24	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

**802.11be (EHT20) 106+26-tone MRU 1S1T**

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	2.812	4.49	4.76	8.414	9.25	24	Pass
93	6415	2.985	4.75	4.76	8.932	9.51	24	Pass
97	6435	3.126	4.95	4.29	8.394	9.24	24	Pass
113	6515	3.013	4.79	4.29	8.091	9.08	24	Pass
117	6535	2.818	4.50	4.61	8.146	9.11	24	Pass
185	6875	2.799	4.47	4.61	8.091	9.08	24	Pass
209	6995	3.192	5.04	4.09	8.186	9.13	24	Pass
233	7115	2.992	4.76	4.09	7.673	8.85	24	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

**802.11be (EHT80) 484+242-tone MRU 1S1T**

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
7	5985	13.9	11.43	4.76	41.592	16.19	24	Pass
87	6385	13.583	11.33	4.76	40.644	16.09	24	Pass
103	6465	15.205	11.82	4.29	40.831	16.11	24	Pass
119	6545	14.488	11.61	4.61	41.88	16.22	24	Pass
183	6865	14.158	11.51	4.61	40.926	16.12	24	Pass
199	6945	15.311	11.85	4.09	39.265	15.94	24	Pass
215	7025	15.136	11.80	4.09	38.816	15.89	24	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi



**802.11be (EHT160) 996+484-tone MRU 1S1T**

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	28.119	14.49	4.76	84.139	19.25	24	Pass
79	6345	27.606	14.41	4.76	82.604	19.17	24	Pass
111	6505	31.477	14.98	4.29	84.527	19.27	24	Pass
143	6665	28.907	14.61	4.61	83.561	19.22	24	Pass
175	6825	28.314	14.52	4.61	81.847	19.13	24	Pass
207	6985	31.696	15.01	4.09	81.284	19.1	24	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

**802.11be (EHT160) 996+484+242-tone MRU 1S1T**

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	30.903	14.90	4.76	92.47	19.66	24	Pass
79	6345	30.479	14.84	4.76	91.201	19.6	24	Pass
111	6505	35.156	15.46	4.29	94.406	19.75	24	Pass
143	6665	31.696	15.01	4.61	91.623	19.62	24	Pass
175	6825	31.405	14.97	4.61	90.782	19.58	24	Pass
207	6985	35.318	15.48	4.09	90.572	19.57	24	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

**802.11a 2TX**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	0.62	1.50	2.566	4.09	4.76	7.678	8.85	24	Pass
45	6175	0.49	1.61	2.568	4.10	4.76	7.684	8.86	24	Pass
93	6415	0.73	1.60	2.628	4.20	4.76	7.864	8.96	24	Pass
97	6435	1.00	2.14	2.896	4.62	4.29	7.777	8.91	24	Pass
105	6475	1.17	2.10	2.931	4.67	4.29	7.871	8.96	24	Pass
113	6515	0.88	2.12	2.854	4.55	4.29	7.664	8.84	24	Pass
117	6535	1.12	1.22	2.619	4.18	4.61	7.571	8.79	24	Pass
149	6695	0.97	1.25	2.584	4.12	4.61	7.47	8.73	24	Pass
181	6855	0.94	1.55	2.671	4.27	4.61	7.721	8.88	24	Pass
185	6875	0.76	1.81	2.708	4.33	4.61	7.828	8.94	24	Pass
209	6995	0.68	2.23	2.841	4.53	4.09	7.286	8.62	24	Pass
233	7115	0.80	2.14	2.839	4.53	4.09	7.281	8.62	24	Pass

**Notes:**

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 4.76 dBi
3. For U-NII-6, The maximum gain is 4.29 dBi
4. For U-NII-7, The maximum gain is 4.61 dBi
5. For U-NII-8, The maximum gain is 4.09 dBi

**802.11ax (HE20) 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	3.30	4.13	4.726	6.74	4.76	14.141	11.5	24	Pass
45	6175	3.23	3.97	4.598	6.63	4.76	13.758	11.39	24	Pass
93	6415	3.30	4.58	5.009	7.00	4.76	14.988	11.76	24	Pass
97	6435	3.61	4.30	4.988	6.98	4.29	13.394	11.27	24	Pass
105	6475	3.52	4.53	5.087	7.06	4.29	13.66	11.35	24	Pass
113	6515	3.05	4.54	4.863	6.87	4.29	13.059	11.16	24	Pass
117	6535	3.26	3.40	4.306	6.34	4.61	12.447	10.95	24	Pass
149	6695	3.22	3.55	4.364	6.40	4.61	12.615	11.01	24	Pass
181	6855	2.85	3.91	4.388	6.42	4.61	12.684	11.03	24	Pass
185	6875	2.66	3.83	4.26	6.29	4.61	12.314	10.9	24	Pass
209	6995	3.66	4.81	5.35	7.28	4.09	13.72	11.37	24	Pass
233	7115	3.80	4.75	5.384	7.31	4.09	13.807	11.4	24	Pass

**Notes:**

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-6, The directional gain is 4.29 dBi
3. For U-NII-7, The directional gain is 4.61 dBi
4. For U-NII-8, The directional gain is 4.09 dBi

**802.11ax (HE40) 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
3	5965	6.45	7.62	10.197	10.08	4.76	30.512	14.84	24	Pass
43	6165	6.48	7.31	9.829	9.93	4.76	29.411	14.69	24	Pass
91	6405	6.37	7.69	10.21	10.09	4.76	30.551	14.85	24	Pass
99	6445	6.29	7.36	9.701	9.87	4.29	26.051	14.16	24	Pass
107	6485	6.08	7.27	9.388	9.73	4.29	25.21	14.02	24	Pass
115	6525	6.04	6.62	8.61	9.35	4.61	24.889	13.96	24	Pass
123	6565	6.26	6.57	8.766	9.43	4.61	25.34	14.04	24	Pass
155	6725	6.07	6.54	8.554	9.32	4.61	24.727	13.93	24	Pass
179	6845	5.79	6.76	8.536	9.31	4.61	24.675	13.92	24	Pass
187	6885	5.46	7.91	9.696	9.87	4.09	24.865	13.96	24	Pass
211	7005	6.24	7.08	9.312	9.69	4.09	23.88	13.78	24	Pass
227	7085	5.71	7.45	9.283	9.68	4.09	23.806	13.77	24	Pass

**Notes:**

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-6, The directional gain is 4.29 dBi
3. For U-NII-7, The directional gain is 4.61 dBi
4. For U-NII-8, The directional gain is 4.09 dBi

**802.11ax (HE80) 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	9.12	10.06	18.305	12.63	4.76	54.773	17.39	24	Pass
39	6145	9.04	10.10	18.25	12.61	4.76	54.609	17.37	24	Pass
87	6385	8.86	9.99	17.668	12.47	4.76	52.867	17.23	24	Pass
103	6465	9.44	10.43	19.831	12.97	4.29	53.253	17.26	24	Pass
119	6545	8.94	9.66	17.081	12.33	4.61	49.376	16.94	24	Pass
151	6705	9.04	9.62	17.179	12.35	4.61	49.659	16.96	24	Pass
183	6865	8.76	9.81	17.088	12.33	4.61	49.396	16.94	24	Pass
199	6945	9.72	10.08	19.562	12.91	4.09	50.166	17	24	Pass
215	7025	9.37	10.58	20.078	13.03	4.09	51.49	17.12	24	Pass

**Notes:**

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-6, The directional gain is 4.29 dBi
3. For U-NII-7, The directional gain is 4.61 dBi
4. For U-NII-8, The directional gain is 4.09 dBi

**802.11ax (HE160) 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	11.77	12.59	33.187	15.21	4.76	99.304	19.97	24	Pass
47	6185	11.32	12.84	32.783	15.16	4.76	98.095	19.92	24	Pass
79	6345	11.26	13.00	33.319	15.23	4.76	99.699	19.99	24	Pass
111	6505	11.80	13.50	37.523	15.74	4.29	100.762	20.03	24	Pass
143	6665	12.07	12.44	33.645	15.27	4.61	97.257	19.88	24	Pass
175	6825	11.98	12.54	33.723	15.28	4.61	97.482	19.89	24	Pass
207	6985	11.71	13.64	37.946	15.79	4.09	97.312	19.88	24	Pass

**Notes:**

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-6, The directional gain is 4.29 dBi
3. For U-NII-7, The directional gain is 4.61 dBi
4. For U-NII-8, The directional gain is 4.09 dBi

**802.11be (EHT20) 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	3.43	4.28	4.882	6.89	4.76	14.608	11.65	24	Pass
45	6175	3.33	4.17	4.765	6.78	4.76	14.258	11.54	24	Pass
93	6415	3.46	4.78	5.224	7.18	4.76	15.632	11.94	24	Pass
97	6435	3.80	4.41	5.159	7.13	4.29	13.854	11.42	24	Pass
105	6475	3.65	4.65	5.235	7.19	4.29	14.058	11.48	24	Pass
113	6515	3.17	4.72	5.04	7.02	4.29	13.534	11.31	24	Pass
117	6535	3.40	3.51	4.432	6.47	4.61	12.811	11.08	24	Pass
149	6695	3.36	3.68	4.501	6.53	4.61	13.011	11.14	24	Pass
181	6855	3.04	4.04	4.549	6.58	4.61	13.15	11.19	24	Pass
185	6875	2.78	3.95	4.38	6.41	4.61	12.661	11.02	24	Pass
209	6995	3.80	4.93	5.511	7.41	4.09	14.133	11.5	24	Pass
233	7115	3.95	4.87	5.552	7.44	4.09	14.238	11.53	24	Pass

**Notes:**

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-6, The directional gain is 4.29 dBi
3. For U-NII-7, The directional gain is 4.61 dBi
4. For U-NII-8, The directional gain is 4.09 dBi

**802.11be (EHT40) 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
3	5965	6.56	7.74	10.472	10.20	4.76	31.335	14.96	24	Pass
43	6165	6.66	7.48	10.232	10.10	4.76	30.617	14.86	24	Pass
91	6405	6.55	7.84	10.6	10.25	4.76	31.718	15.01	24	Pass
99	6445	6.48	7.51	10.083	10.04	4.29	27.076	14.33	24	Pass
107	6485	6.22	7.45	9.747	9.89	4.29	26.174	14.18	24	Pass
115	6525	6.15	6.75	8.852	9.47	4.61	25.588	14.08	24	Pass
123	6565	6.38	6.72	9.044	9.56	4.61	26.143	14.17	24	Pass
155	6725	6.25	6.71	8.905	9.50	4.61	25.742	14.11	24	Pass
179	6845	5.93	6.88	8.793	9.44	4.61	25.418	14.05	24	Pass
187	6885	5.60	8.08	10.058	10.03	4.09	25.794	14.12	24	Pass
211	7005	6.40	7.20	9.613	9.83	4.09	24.652	13.92	24	Pass
227	7085	5.89	7.60	9.636	9.84	4.09	24.711	13.93	24	Pass

**Notes:**

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-6, The directional gain is 4.29 dBi
3. For U-NII-7, The directional gain is 4.61 dBi
4. For U-NII-8, The directional gain is 4.09 dBi

**802.11be (EHT80) 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	9.25	10.23	18.958	12.78	4.76	56.727	17.54	24	Pass
39	6145	9.23	10.23	18.919	12.77	4.76	56.611	17.53	24	Pass
87	6385	8.99	10.18	18.348	12.64	4.76	54.902	17.4	24	Pass
103	6465	9.57	10.61	20.565	13.13	4.29	55.224	17.42	24	Pass
119	6545	9.06	9.81	17.626	12.46	4.61	50.951	17.07	24	Pass
151	6705	9.22	9.73	17.753	12.49	4.61	51.318	17.1	24	Pass
183	6865	8.93	9.94	17.679	12.47	4.61	51.104	17.08	24	Pass
199	6945	9.83	10.26	20.233	13.06	4.09	51.887	17.15	24	Pass
215	7025	9.52	10.73	20.784	13.18	4.09	53.3	17.27	24	Pass

**Notes:**

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-6, The directional gain is 4.29 dBi
3. For U-NII-7, The directional gain is 4.61 dBi
4. For U-NII-8, The directional gain is 4.09 dBi

### 802.11be (EHT160) 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	11.95	12.77	34.591	15.39	4.76	103.505	20.15	24	Pass
47	6185	11.44	13.02	33.976	15.31	4.76	101.665	20.07	24	Pass
79	6345	11.37	13.11	34.173	15.34	4.76	102.255	20.1	24	Pass
111	6505	11.92	13.63	38.627	15.87	4.29	103.727	20.16	24	Pass
143	6665	12.23	12.64	35.076	15.45	4.61	101.393	20.06	24	Pass
175	6825	12.17	12.65	34.889	15.43	4.61	100.853	20.04	24	Pass
207	6985	11.90	13.75	39.202	15.93	4.09	100.533	20.02	24	Pass

**Notes:**

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-6, The directional gain is 4.29 dBi
3. For U-NII-7, The directional gain is 4.61 dBi
4. For U-NII-8, The directional gain is 4.09 dBi

### 802.11be (EHT20) 26-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	-3.47	-4.88	0.7749	-1.11	4.76	2.319	3.65	24	Pass
93	6415	-3.52	-4.96	0.7638	-1.17	4.76	2.285	3.59	24	Pass
97	6435	-3.15	-4.26	0.8591	-0.66	4.29	2.307	3.63	24	Pass
113	6515	-2.95	-4.51	0.861	-0.65	4.29	2.312	3.64	24	Pass
117	6535	-3.94	-4.01	0.8008	-0.96	4.61	2.315	3.65	24	Pass
185	6875	-3.38	-4.60	0.8059	-0.94	4.61	2.33	3.67	24	Pass
209	6995	-3.07	-4.14	0.8787	-0.56	4.09	2.253	3.53	24	Pass
233	7115	-2.66	-4.27	0.9161	-0.38	4.09	2.349	3.71	24	Pass

**Notes:**

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-6, The directional gain is 4.29 dBi
3. For U-NII-7, The directional gain is 4.61 dBi
4. For U-NII-8, The directional gain is 4.09 dBi

**802.11be (EHT20) 52-tone RU 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	-1.16	-0.46	1.6651	2.21	4.76	4.982	6.97	24	Pass
93	6415	-2.11	-0.39	1.5293	1.84	4.76	4.576	6.6	24	Pass
97	6435	-1.17	-0.17	1.7254	2.37	4.29	4.633	6.66	24	Pass
113	6515	-1.20	-0.04	1.7494	2.43	4.29	4.698	6.72	24	Pass
117	6535	-0.77	-0.72	1.6848	2.27	4.61	4.87	6.88	24	Pass
185	6875	-1.68	-0.16	1.643	2.16	4.61	4.749	6.77	24	Pass
209	6995	-1.07	0.36	1.8681	2.71	4.09	4.791	6.8	24	Pass
233	7115	-1.23	-0.06	1.7396	2.40	4.09	4.461	6.49	24	Pass

**Notes:**

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-6, The directional gain is 4.29 dBi
3. For U-NII-7, The directional gain is 4.61 dBi
4. For U-NII-8, The directional gain is 4.09 dBi

**802.11be (EHT20) 106-tone RU 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	1.45	2.14	3.033	4.82	4.76	9.076	9.58	24	Pass
93	6415	1.21	2.82	3.236	5.10	4.76	9.683	9.86	24	Pass
97	6435	2.01	2.85	3.516	5.46	4.29	9.442	9.75	24	Pass
113	6515	1.47	3.17	3.478	5.41	4.29	9.34	9.7	24	Pass
117	6535	1.99	2.51	3.364	5.27	4.61	9.724	9.88	24	Pass
185	6875	1.63	2.89	3.401	5.32	4.61	9.831	9.93	24	Pass
209	6995	1.97	3.07	3.602	5.57	4.09	9.237	9.66	24	Pass
233	7115	1.81	3.36	3.685	5.66	4.09	9.45	9.75	24	Pass

**Notes:**

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-6, The directional gain is 4.29 dBi
3. For U-NII-7, The directional gain is 4.61 dBi
4. For U-NII-8, The directional gain is 4.09 dBi

**802.11be (EHT20) 52+26-tone MRU 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	0.02	0.75	2.193	3.41	4.76	6.562	8.17	24	Pass
93	6415	-0.39	1.31	2.2662	3.55	4.76	6.781	8.31	24	Pass
97	6435	0.25	1.28	2.402	3.81	4.29	6.45	8.1	24	Pass
113	6515	0.16	1.65	2.5	3.98	4.29	6.713	8.27	24	Pass
117	6535	0.69	0.83	2.383	3.77	4.61	6.888	8.38	24	Pass
185	6875	-0.27	1.15	2.2429	3.51	4.61	6.484	8.12	24	Pass
209	6995	0.49	1.57	2.555	4.07	4.09	6.552	8.16	24	Pass
233	7115	0.23	1.58	2.493	3.97	4.09	6.393	8.06	24	Pass

**Notes:**

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-6, The directional gain is 4.29 dBi
3. For U-NII-7, The directional gain is 4.61 dBi
4. For U-NII-8, The directional gain is 4.09 dBi

**802.11be (EHT20) 106+26-tone MRU 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	1.35	1.94	2.928	4.67	4.76	8.761	9.43	24	Pass
93	6415	0.62	2.08	2.768	4.42	4.76	8.283	9.18	24	Pass
97	6435	1.46	2.40	3.137	4.97	4.29	8.424	9.26	24	Pass
113	6515	0.97	2.54	3.045	4.84	4.29	8.177	9.13	24	Pass
117	6535	1.16	1.80	2.82	4.50	4.61	8.152	9.11	24	Pass
185	6875	0.89	2.03	2.823	4.51	4.61	8.16	9.12	24	Pass
209	6995	1.47	2.72	3.273	5.15	4.09	8.394	9.24	24	Pass
233	7115	1.19	2.66	3.16	5.00	4.09	8.104	9.09	24	Pass

**Notes:**

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-6, The directional gain is 4.29 dBi
3. For U-NII-7, The directional gain is 4.61 dBi
4. For U-NII-8, The directional gain is 4.09 dBi



**802.11be (EHT80) 484+242-tone MRU 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	8.35	8.66	14.184	11.52	4.76	42.442	16.28	24	Pass
87	6385	7.93	8.97	14.097	11.49	4.76	42.182	16.25	24	Pass
103	6465	8.24	9.36	15.298	11.85	4.29	41.08	16.14	24	Pass
119	6545	8.20	8.96	14.477	11.61	4.61	41.848	16.22	24	Pass
183	6865	8.26	8.89	14.443	11.60	4.61	41.75	16.21	24	Pass
199	6945	8.69	8.98	15.303	11.85	4.09	39.244	15.94	24	Pass
215	7025	8.53	9.20	15.446	11.89	4.09	39.611	15.98	24	Pass

**Notes:**

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-6, The directional gain is 4.29 dBi
3. For U-NII-7, The directional gain is 4.61 dBi
4. For U-NII-8, The directional gain is 4.09 dBi

**802.11be (EHT160) 996+484-tone MRU 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	11.41	11.61	28.323	14.52	4.76	84.75	19.28	24	Pass
79	6345	11.60	11.56	28.776	14.59	4.76	86.105	19.35	24	Pass
111	6505	12.61	11.19	31.391	14.97	4.29	84.296	19.26	24	Pass
143	6665	11.45	11.52	28.154	14.50	4.61	81.384	19.11	24	Pass
175	6825	11.50	11.86	29.472	14.69	4.61	85.194	19.3	24	Pass
207	6985	11.45	12.39	31.302	14.96	4.09	80.273	19.05	24	Pass

**Notes:**

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-6, The directional gain is 4.29 dBi
3. For U-NII-7, The directional gain is 4.61 dBi
4. For U-NII-8, The directional gain is 4.09 dBi

802.11be (EHT160) 996+484+242-tone MRU 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	11.98	12.03	31.735	15.02	4.76	94.96	19.78	24	Pass
79	6345	12.02	12.07	32.029	15.06	4.76	95.839	19.82	24	Pass
111	6505	12.85	12.30	36.258	15.59	4.29	97.365	19.88	24	Pass
143	6665	12.07	12.17	32.588	15.13	4.61	94.201	19.74	24	Pass
175	6825	11.75	12.15	31.368	14.96	4.61	90.675	19.57	24	Pass
207	6985	11.98	13.16	36.478	15.62	4.09	93.547	19.71	24	Pass

Notes:

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-6, The directional gain is 4.29 dBi
3. For U-NII-7, The directional gain is 4.61 dBi
4. For U-NII-8, The directional gain is 4.09 dBi

## Standard Power Client

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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### 802.11a 1TX

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	232.274	23.66	4.76	695.025	28.42	30	Pass
45	6175	248.886	23.96	4.76	744.733	28.72	30	Pass
93	6415	244.906	23.89	4.76	732.824	28.65	30	Pass
117	6535	237.137	23.75	4.61	685.487	28.36	30	Pass
149	6695	254.097	24.05	4.61	734.513	28.66	30	Pass
181	6855	257.04	24.10	4.61	743.02	28.71	30	Pass

Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

### 802.11ax (HE20) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	236.592	23.74	4.76	707.946	28.5	30	Pass
45	6175	248.886	23.96	4.76	744.733	28.72	30	Pass
93	6415	257.04	24.10	4.76	769.132	28.86	30	Pass
117	6535	229.087	23.60	4.61	662.217	28.21	30	Pass
149	6695	234.423	23.70	4.61	677.642	28.31	30	Pass
181	6855	238.232	23.77	4.61	688.652	28.38	30	Pass

Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

**802.11ax (HE40) 1S1T**

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
3	5965	125.893	21.00	4.76	376.705	25.76	30	Pass
43	6165	319.89	25.05	4.76	957.196	29.81	30	Pass
91	6405	318.42	25.03	4.76	952.797	29.79	30	Pass
123	6565	326.588	25.14	4.61	944.061	29.75	30	Pass
155	6725	318.42	25.03	4.61	920.45	29.64	30	Pass
179	6845	316.957	25.01	4.61	916.221	29.62	30	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

**802.11ax (HE80) 1S1T**

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
7	5985	100.693	20.03	4.76	301.3	24.79	30	Pass
39	6145	325.837	25.13	4.76	974.991	29.89	30	Pass
87	6385	316.957	25.01	4.76	948.419	29.77	30	Pass
135	6625	310.456	24.92	4.61	897.429	29.53	30	Pass
151	6705	316.228	25.00	4.61	914.114	29.61	30	Pass
167	6785	305.492	24.85	4.61	883.08	29.46	30	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

**802.11ax (HE160) 1S1T**

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	81.096	19.09	4.76	242.661	23.85	30	Pass
47	6185	100.693	20.03	4.76	301.3	24.79	30	Pass
79	6345	103.992	20.17	4.76	311.172	24.93	30	Pass
143	6665	100.693	20.03	4.61	291.071	24.64	30	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

### 802.11be (EHT20) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	237.684	23.76	4.76	711.213	28.52	30	Pass
45	6175	250.611	23.99	4.76	749.894	28.75	30	Pass
93	6415	258.226	24.12	4.76	772.681	28.88	30	Pass
117	6535	230.144	23.62	4.61	665.273	28.23	30	Pass
149	6695	235.505	23.72	4.61	680.77	28.33	30	Pass
181	6855	240.436	23.81	4.61	695.024	28.42	30	Pass

Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

### 802.11be (EHT40) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
3	5965	126.765	21.03	4.76	379.314	25.79	30	Pass
43	6165	322.107	25.08	4.76	963.829	29.84	30	Pass
91	6405	320.627	25.06	4.76	959.401	29.82	30	Pass
123	6565	328.095	25.16	4.61	948.418	29.77	30	Pass
155	6725	320.627	25.06	4.61	926.83	29.67	30	Pass
179	6845	318.42	25.03	4.61	920.45	29.64	30	Pass

Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

### 802.11be (EHT80) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
7	5985	101.158	20.05	4.76	302.692	24.81	30	Pass
39	6145	327.341	25.15	4.76	979.491	29.91	30	Pass
87	6385	318.42	25.03	4.76	952.797	29.79	30	Pass
135	6625	312.608	24.95	4.61	903.65	29.56	30	Pass
151	6705	318.42	25.03	4.61	920.45	29.64	30	Pass
167	6785	307.61	24.88	4.61	889.202	29.49	30	Pass

Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

### 802.11be (EHT160) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	81.47	19.11	4.76	243.78	23.87	30	Pass
47	6185	101.158	20.05	4.76	302.692	24.81	30	Pass
79	6345	104.472	20.19	4.76	312.608	24.95	30	Pass
143	6665	101.391	20.06	4.61	293.089	24.67	30	Pass

Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

### 802.11be (EHT20) 26-tone RU 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	39.994	16.02	4.76	119.673	20.78	30	Pass
93	6415	40.551	16.08	4.76	121.339	20.84	30	Pass
117	6535	40.926	16.12	4.61	118.304	20.73	30	Pass
181	6855	42.855	16.32	4.61	123.88	20.93	30	Pass

Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

### 802.11be (EHT20) 52-tone RU 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	78.343	18.94	4.76	234.423	23.7	30	Pass
93	6415	77.983	18.92	4.76	233.346	23.68	30	Pass
117	6535	93.972	19.73	4.61	271.643	24.34	30	Pass
181	6855	91.411	19.61	4.61	264.24	24.22	30	Pass

Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

### 802.11be (EHT20) 106-tone RU 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	153.109	21.85	4.76	458.143	26.61	30	Pass
93	6415	151.356	21.80	4.76	452.897	26.56	30	Pass
117	6535	166.341	22.21	4.61	480.839	26.82	30	Pass
181	6855	169.824	22.30	4.61	490.907	26.91	30	Pass

Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

### 802.11be (EHT20) 52+26-tone MRU 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	122.744	20.89	4.76	367.283	25.65	30	Pass
93	6415	127.057	21.04	4.76	380.188	25.8	30	Pass
117	6535	128.825	21.10	4.61	372.392	25.71	30	Pass
181	6855	131.22	21.18	4.61	379.315	25.79	30	Pass

Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

### 802.11be (EHT20) 106+26-tone MRU 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	175.792	22.45	4.76	526.016	27.21	30	Pass
93	6415	173.38	22.39	4.76	518.799	27.15	30	Pass
117	6535	179.887	22.55	4.61	519.996	27.16	30	Pass
181	6855	180.302	22.56	4.61	521.195	27.17	30	Pass

Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

**802.11be (EHT80) 484+242-tone MRU 1S1T**

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
7	5985	91.833	19.63	4.76	274.789	24.39	30	Pass
87	6385	182.81	22.62	4.76	547.016	27.38	30	Pass
135	6625	178.238	22.51	4.61	515.229	27.12	30	Pass
167	6785	182.39	22.61	4.61	527.231	27.22	30	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

**802.11be (EHT160) 996+484-tone MRU 1S1T**

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	95.499	19.80	4.76	285.758	24.56	30	Pass
79	6345	190.546	22.80	4.76	570.164	27.56	30	Pass
143	6665	160.325	22.05	4.61	463.448	26.66	30	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

**802.11be (EHT160) 996+484+242-tone MRU 1S1T**

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	94.189	19.74	4.76	281.838	24.5	30	Pass
79	6345	197.697	22.96	4.76	591.562	27.72	30	Pass
143	6665	194.536	22.89	4.61	562.341	27.5	30	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi



### 802.11a 2TX

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	17.44	18.27	122.605	20.89	4.76	366.867	25.65	30	Pass
45	6175	17.33	18.19	119.993	20.79	4.76	359.051	25.55	30	Pass
93	6415	17.60	18.40	126.727	21.03	4.76	379.201	25.79	30	Pass
117	6535	18.14	18.19	131.08	21.18	4.61	378.91	25.79	30	Pass
149	6695	18.07	18.25	130.955	21.17	4.61	378.549	25.78	30	Pass
181	6855	17.84	18.64	133.927	21.27	4.61	387.14	25.88	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 4.76 dBi
3. For U-NII-7, The maximum gain is 4.61 dBi

### 802.11ax (HE20) 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	20.83	21.10	249.885	23.98	4.76	747.722	28.74	30	Pass
45	6175	20.82	21.00	246.674	23.92	4.76	738.114	28.68	30	Pass
93	6415	20.80	20.92	243.821	23.87	4.76	729.577	28.63	30	Pass
117	6535	21.03	21.09	255.294	24.07	4.61	737.973	28.68	30	Pass
149	6695	20.99	21.17	256.521	24.09	4.61	741.52	28.7	30	Pass
181	6855	20.58	21.56	257.507	24.11	4.61	744.37	28.72	30	Pass

Notes:

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-7, The directional gain is 4.61 dBi

### 802.11ax (HE40) 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
3	5965	20.51	20.81	232.964	23.67	4.76	697.09	28.43	30	Pass
43	6165	21.42	21.97	296.074	24.71	4.76	885.932	29.47	30	Pass
91	6405	21.22	21.98	290.195	24.63	4.76	868.34	29.39	30	Pass
123	6565	21.88	22.52	332.819	25.22	4.61	962.073	29.83	30	Pass
155	6725	21.75	22.42	324.206	25.11	4.61	937.176	29.72	30	Pass
179	6845	21.31	22.64	318.861	25.04	4.61	921.725	29.65	30	Pass

Notes:

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-7, The directional gain is 4.61 dBi

**802.11ax (HE80) 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	19.35	19.72	179.856	22.55	4.76	538.177	27.31	30	Pass
39	6145	21.64	21.76	295.85	24.71	4.76	885.261	29.47	30	Pass
87	6385	21.86	22.22	320.186	25.05	4.76	958.081	29.81	30	Pass
135	6625	21.80	22.12	314.286	24.97	4.61	908.5	29.58	30	Pass
151	6705	21.88	22.35	325.961	25.13	4.61	942.249	29.74	30	Pass
167	6785	21.17	22.57	311.636	24.94	4.61	900.84	29.55	30	Pass

**Notes:**

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-7, The directional gain is 4.61 dBi

**802.11ax (HE160) 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	18.99	19.17	161.854	22.09	4.76	484.31	26.85	30	Pass
47	6185	22.08	22.12	324.365	25.11	4.76	970.586	29.87	30	Pass
79	6345	18.96	19.53	168.447	22.26	4.76	504.038	27.02	30	Pass
143	6665	17.69	17.78	118.728	20.75	4.61	343.205	25.36	30	Pass

**Notes:**

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-7, The directional gain is 4.61 dBi

**802.11be (EHT20) 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	21.00	21.23	258.632	24.13	4.76	773.895	28.89	30	Pass
45	6175	20.95	21.15	254.768	24.06	4.76	762.333	28.82	30	Pass
93	6415	20.99	21.04	252.66	24.03	4.76	756.026	28.79	30	Pass
117	6535	21.20	21.23	264.565	24.23	4.61	764.773	28.84	30	Pass
149	6695	21.13	21.37	266.806	24.26	4.61	771.251	28.87	30	Pass
181	6855	20.69	21.69	264.79	24.23	4.61	765.423	28.84	30	Pass

**Notes:**

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-7, The directional gain is 4.61 dBi

### 802.11be (EHT40) 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
3	5965	20.64	20.94	240.043	23.80	4.76	718.272	28.56	30	Pass
43	6165	21.56	22.14	306.9	24.87	4.76	918.326	29.63	30	Pass
91	6405	21.36	22.11	299.328	24.76	4.76	895.669	29.52	30	Pass
123	6565	22.02	22.63	342.452	25.35	4.61	989.919	29.96	30	Pass
155	6725	21.85	22.56	333.411	25.23	4.61	963.784	29.84	30	Pass
179	6845	21.45	22.76	328.436	25.16	4.61	949.403	29.77	30	Pass

Notes:

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-7, The directional gain is 4.61 dBi

### 802.11be (EHT80) 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	19.53	19.88	187.018	22.72	4.76	559.607	27.48	30	Pass
39	6145	21.84	21.93	308.712	24.90	4.76	923.748	29.66	30	Pass
87	6385	21.97	22.34	328.794	25.17	4.76	983.839	29.93	30	Pass
135	6625	21.95	22.27	325.33	25.12	4.61	940.425	29.73	30	Pass
151	6705	22.02	22.52	337.87	25.29	4.61	976.674	29.9	30	Pass
167	6785	21.36	22.72	323.841	25.10	4.61	936.121	29.71	30	Pass

Notes:

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-7, The directional gain is 4.61 dBi

### 802.11be (EHT160) 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	19.15	19.30	167.338	22.24	4.76	500.72	27	30	Pass
47	6185	22.19	22.24	333.071	25.23	4.76	996.637	29.99	30	Pass
79	6345	19.11	19.64	173.515	22.39	4.76	519.203	27.15	30	Pass
143	6665	17.81	17.93	122.482	20.88	4.61	354.056	25.49	30	Pass

Notes:

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-7, The directional gain is 4.61 dBi

### 802.11be (EHT20) 26-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	12.87	13.21	40.305	16.05	4.76	120.603	20.81	30	Pass
93	6415	12.71	13.73	42.269	16.26	4.76	126.48	21.02	30	Pass
117	6535	13.17	13.20	41.642	16.20	4.61	120.374	20.81	30	Pass
181	6855	12.81	13.71	42.595	16.29	4.61	123.129	20.9	30	Pass

Notes:

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-7, The directional gain is 4.61 dBi

### 802.11be (EHT20) 52-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	15.61	16.29	78.951	18.97	4.76	236.242	23.73	30	Pass
93	6415	15.33	16.38	77.57	18.90	4.76	232.11	23.66	30	Pass
117	6535	16.09	16.17	82.044	19.14	4.61	237.163	23.75	30	Pass
181	6855	15.82	16.41	81.947	19.14	4.61	236.883	23.75	30	Pass

Notes:

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-7, The directional gain is 4.61 dBi

### 802.11be (EHT20) 106-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	19.34	19.67	178.584	22.52	4.76	534.371	27.28	30	Pass
93	6415	19.02	19.80	175.299	22.44	4.76	524.541	27.2	30	Pass
117	6535	19.08	19.06	161.447	22.08	4.61	466.692	26.69	30	Pass
181	6855	18.71	19.27	158.83	22.01	4.61	459.127	26.62	30	Pass

Notes:

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-7, The directional gain is 4.61 dBi

**802.11be (EHT20) 52+26-tone MRU 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	17.88	18.31	129.14	21.11	4.76	386.421	25.87	30	Pass
93	6415	17.51	18.22	122.738	20.89	4.76	367.265	25.65	30	Pass
117	6535	17.60	17.57	114.692	20.60	4.61	331.538	25.21	30	Pass
181	6855	17.28	17.88	114.833	20.60	4.61	331.945	25.21	30	Pass

**Notes:**

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-7, The directional gain is 4.61 dBi

**802.11be (EHT20) 106+26-tone MRU 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	19.32	19.81	181.226	22.58	4.76	542.276	27.34	30	Pass
93	6415	19.01	19.85	176.221	22.46	4.76	527.3	27.22	30	Pass
117	6535	19.49	19.52	178.457	22.52	4.61	515.862	27.13	30	Pass
181	6855	19.21	19.84	179.751	22.55	4.61	519.603	27.16	30	Pass

**Notes:**

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-7, The directional gain is 4.61 dBi

**802.11be (EHT80) 484+242-tone MRU 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	18.38	18.84	145.425	21.63	4.76	435.15	26.39	30	Pass
87	6385	21.77	22.54	329.788	25.18	4.76	986.813	29.94	30	Pass
135	6625	22.11	22.47	339.159	25.30	4.61	980.4	29.91	30	Pass
167	6785	22.16	22.46	340.635	25.32	4.61	984.667	29.93	30	Pass

**Notes:**

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-7, The directional gain is 4.61 dBi

**802.11be (EHT160) 996+484-tone MRU 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	17.68	18.25	125.448	20.98	4.76	375.374	25.74	30	Pass
79	6345	22.25	22.06	328.575	25.17	4.76	983.183	29.93	30	Pass
143	6665	21.89	21.87	308.341	24.89	4.61	891.315	29.5	30	Pass

**Notes:**

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-7, The directional gain is 4.61 dBi

**802.11be (EHT160) 996+484+242-tone MRU 2S2T**

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	17.77	18.65	133.124	21.24	4.76	398.342	26	30	Pass
79	6345	22.04	22.01	318.81	25.04	4.76	953.964	29.8	30	Pass
143	6665	21.88	21.92	309.767	24.91	4.61	895.437	29.52	30	Pass

**Notes:**

1. For U-NII-5, The directional gain is 4.76 dBi
2. For U-NII-7, The directional gain is 4.61 dBi

## 7.2 Maximum Power Spectral Density

### Indoor Client

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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### 802.11a 1TX

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	-6.43	0.23	-6.20	4.76	-1.44	-1	Pass
45	6175	-6.42	0.23	-6.19	4.76	-1.43	-1	Pass
93	6415	-6.02	0.23	-5.79	4.76	-1.03	-1	Pass
97	6435	-5.58	0.23	-5.35	4.29	-1.06	-1	Pass
105	6475	-5.72	0.23	-5.49	4.29	-1.2	-1	Pass
113	6515	-5.92	0.23	-5.69	4.29	-1.4	-1	Pass
117	6535	-6.05	0.23	-5.82	4.61	-1.21	-1	Pass
149	6695	-6.23	0.23	-6.00	4.61	-1.39	-1	Pass
181	6855	-6	0.23	-5.77	4.61	-1.16	-1	Pass
185	6875	-6.19	0.23	-5.96	4.61	-1.35	-1	Pass
209	6995	-5.82	0.23	-5.59	4.09	-1.5	-1	Pass
233	7115	-5.45	0.23	-5.22	4.09	-1.13	-1	Pass

#### Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

### 802.11be (EHT20) 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	-6.28	0.14	-6.14	4.76	-1.38	-1	Pass
45	6175	-6.11	0.14	-5.97	4.76	-1.21	-1	Pass
93	6415	-6.28	0.14	-6.14	4.76	-1.38	-1	Pass
97	6435	-5.62	0.14	-5.48	4.29	-1.19	-1	Pass
105	6475	-5.55	0.14	-5.41	4.29	-1.12	-1	Pass
113	6515	-5.8	0.14	-5.66	4.29	-1.37	-1	Pass
117	6535	-5.78	0.14	-5.64	4.61	-1.03	-1	Pass
149	6695	-6.06	0.14	-5.92	4.61	-1.31	-1	Pass
181	6855	-6.21	0.14	-6.07	4.61	-1.46	-1	Pass
185	6875	-5.92	0.14	-5.78	4.61	-1.17	-1	Pass
209	6995	-5.55	0.14	-5.41	4.09	-1.32	-1	Pass
233	7115	-5.26	0.14	-5.12	4.09	-1.03	-1	Pass

#### Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

### 802.11be (EHT40) 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
3	5965	-5.98	0.13	-5.85	4.76	-1.09	-1	Pass
43	6165	-6.06	0.13	-5.93	4.76	-1.17	-1	Pass
91	6405	-6.16	0.13	-6.03	4.76	-1.27	-1	Pass
99	6445	-5.46	0.13	-5.33	4.29	-1.04	-1	Pass
107	6485	-5.52	0.13	-5.39	4.29	-1.1	-1	Pass
115	6525	-6.24	0.13	-6.11	4.61	-1.5	-1	Pass
123	6565	-6.03	0.13	-5.90	4.61	-1.29	-1	Pass
155	6725	-6.01	0.13	-5.88	4.61	-1.27	-1	Pass
179	6845	-6.21	0.13	-6.08	4.61	-1.47	-1	Pass
187	6885	-5.69	0.13	-5.56	4.09	-1.47	-1	Pass
211	7005	-5.33	0.13	-5.20	4.09	-1.11	-1	Pass
227	7085	-5.3	0.13	-5.17	4.09	-1.08	-1	Pass

Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

### 802.11be (EHT80) 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
7	5985	-6.06	0.26	-5.80	4.76	-1.04	-1	Pass
39	6145	-6.11	0.26	-5.85	4.76	-1.09	-1	Pass
87	6385	-6.33	0.26	-6.07	4.76	-1.31	-1	Pass
103	6465	-5.78	0.26	-5.52	4.29	-1.23	-1	Pass
119	6545	-5.99	0.26	-5.73	4.61	-1.12	-1	Pass
151	6705	-5.89	0.26	-5.63	4.61	-1.02	-1	Pass
183	6865	-5.91	0.26	-5.65	4.61	-1.04	-1	Pass
199	6945	-5.4	0.26	-5.14	4.09	-1.05	-1	Pass
215	7025	-5.51	0.26	-5.25	4.09	-1.16	-1	Pass

Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi



### 802.11be (EHT160) 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
15	6025	-6.2	0.29	-5.91	4.76	-1.15	-1	Pass
47	6185	-6.17	0.29	-5.88	4.76	-1.12	-1	Pass
79	6345	-6.19	0.29	-5.90	4.76	-1.14	-1	Pass
111	6505	-5.67	0.29	-5.38	4.29	-1.09	-1	Pass
143	6665	-6.13	0.29	-5.84	4.61	-1.23	-1	Pass
175	6825	-6.24	0.29	-5.95	4.61	-1.34	-1	Pass
207	6985	-5.42	0.29	-5.13	4.09	-1.04	-1	Pass

Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

### 802.11be (EHT20) 26-tone RU 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	-6.22	0.28	-5.94	4.76	-1.18	-1	Pass
93	6415	-6.18	0.28	-5.90	4.76	-1.14	-1	Pass
97	6435	-5.58	0.28	-5.30	4.29	-1.01	-1	Pass
113	6515	-5.81	0.28	-5.53	4.29	-1.24	-1	Pass
117	6535	-6.18	0.28	-5.90	4.61	-1.29	-1	Pass
185	6875	-6.14	0.28	-5.86	4.61	-1.25	-1	Pass
209	6995	-5.82	0.28	-5.54	4.09	-1.45	-1	Pass
233	7115	-5.43	0.28	-5.15	4.09	-1.06	-1	Pass

Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

**802.11be (EHT20) 52-tone RU 1S1T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	-6.23	0.28	-5.95	4.76	-1.19	-1	Pass
93	6415	-6.38	0.28	-6.10	4.76	-1.34	-1	Pass
97	6435	-5.89	0.28	-5.61	4.29	-1.32	-1	Pass
113	6515	-5.63	0.28	-5.35	4.29	-1.06	-1	Pass
117	6535	-6.32	0.28	-6.04	4.61	-1.43	-1	Pass
185	6875	-5.97	0.28	-5.69	4.61	-1.08	-1	Pass
209	6995	-5.78	0.28	-5.50	4.09	-1.41	-1	Pass
233	7115	-5.47	0.28	-5.19	4.09	-1.1	-1	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

**802.11be (EHT20) 106-tone RU 1S1T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	-6.38	0.28	-6.10	4.76	-1.34	-1	Pass
93	6415	-6.36	0.28	-6.08	4.76	-1.32	-1	Pass
97	6435	-5.73	0.28	-5.45	4.29	-1.16	-1	Pass
113	6515	-5.79	0.28	-5.51	4.29	-1.22	-1	Pass
117	6535	-6.22	0.28	-5.94	4.61	-1.33	-1	Pass
185	6875	-5.99	0.28	-5.71	4.61	-1.1	-1	Pass
209	6995	-5.87	0.28	-5.59	4.09	-1.5	-1	Pass
233	7115	-5.57	0.28	-5.29	4.09	-1.2	-1	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

**802.11be (EHT20) 52+26-tone MRU 1S1T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	-6.51	0.31	-6.20	4.76	-1.44	-1	Pass
93	6415	-6.36	0.31	-6.05	4.76	-1.29	-1	Pass
97	6435	-6.1	0.31	-5.79	4.29	-1.5	-1	Pass
113	6515	-5.99	0.31	-5.68	4.29	-1.39	-1	Pass
117	6535	-6.11	0.31	-5.80	4.61	-1.19	-1	Pass
185	6875	-6.24	0.31	-5.93	4.61	-1.32	-1	Pass
209	6995	-5.49	0.31	-5.18	4.09	-1.09	-1	Pass
233	7115	-5.77	0.31	-5.46	4.09	-1.37	-1	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

**802.11be (EHT20) 106+26-tone MRU 1S1T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	-6.24	0.29	-5.95	4.76	-1.19	-1	Pass
93	6415	-6.22	0.29	-5.93	4.76	-1.17	-1	Pass
97	6435	-5.87	0.29	-5.58	4.29	-1.29	-1	Pass
113	6515	-5.71	0.29	-5.42	4.29	-1.13	-1	Pass
117	6535	-5.94	0.29	-5.65	4.61	-1.04	-1	Pass
185	6875	-5.91	0.29	-5.62	4.61	-1.01	-1	Pass
209	6995	-5.89	0.29	-5.60	4.09	-1.51	-1	Pass
233	7115	-5.62	0.29	-5.33	4.09	-1.24	-1	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

**802.11be (EHT80) 484+242-tone MRU 1S1T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
7	5985	-6.6	0.38	-6.22	4.76	-1.46	-1	Pass
87	6385	-6.44	0.38	-6.06	4.76	-1.3	-1	Pass
103	6465	-5.89	0.38	-5.51	4.29	-1.22	-1	Pass
119	6545	-6.41	0.38	-6.03	4.61	-1.42	-1	Pass
183	6865	-6.07	0.38	-5.69	4.61	-1.08	-1	Pass
199	6945	-5.9	0.38	-5.52	4.09	-1.43	-1	Pass
215	7025	-5.75	0.38	-5.37	4.09	-1.28	-1	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

**802.11be (EHT160) 996+484-tone MRU 1S1T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
15	6025	-6.34	0.41	-5.93	4.76	-1.17	-1	Pass
79	6345	-6.45	0.41	-6.04	4.76	-1.28	-1	Pass
111	6505	-5.75	0.41	-5.34	4.29	-1.05	-1	Pass
143	6665	-6.15	0.41	-5.74	4.61	-1.13	-1	Pass
175	6825	-6.1	0.41	-5.69	4.61	-1.08	-1	Pass
207	6985	-5.62	0.41	-5.21	4.09	-1.12	-1	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

### 802.11be (EHT160) 996+484+242-tone MRU 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
15	6025	-6.6	0.41	-6.19	4.76	-1.43	-1	Pass
79	6345	-6.52	0.41	-6.11	4.76	-1.35	-1	Pass
111	6505	-5.78	0.41	-5.37	4.29	-1.08	-1	Pass
143	6665	-6.17	0.41	-5.76	4.61	-1.15	-1	Pass
175	6825	-6.18	0.41	-5.77	4.61	-1.16	-1	Pass
207	6985	-6.05	0.41	-5.64	4.09	-1.55	-1	Pass

Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-6, The antenna gain is 4.29 dBi
3. For U-NII-7, The antenna gain is 4.61 dBi
4. For U-NII-8, The antenna gain is 4.09 dBi

### 802.11a 2TX

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
1	5955	-12.83	-12.29	0.24	-9.30	7.77	-1.53	-1	Pass
45	6175	-13.09	-12.04	0.24	-9.28	7.77	-1.51	-1	Pass
93	6415	-12.83	-11.42	0.24	-8.82	7.77	-1.05	-1	Pass
97	6435	-12.24	-11.08	0.24	-8.37	7.30	-1.07	-1	Pass
105	6475	-12.49	-12.12	0.24	-9.05	7.30	-1.75	-1	Pass
113	6515	-12.50	-11.07	0.24	-8.48	7.30	-1.18	-1	Pass
117	6535	-12.06	-11.81	0.24	-8.68	7.62	-1.06	-1	Pass
149	6695	-12.34	-12.07	0.24	-8.95	7.62	-1.33	-1	Pass
181	6855	-12.91	-11.87	0.24	-9.11	7.62	-1.49	-1	Pass
185	6875	-12.38	-11.76	0.24	-8.81	7.62	-1.19	-1	Pass
209	6995	-12.73	-10.70	0.24	-8.35	7.10	-1.25	-1	Pass
233	7115	-12.60	-10.40	0.24	-8.11	7.10	-1.01	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 7.77 dBi
4. For U-NII-6, The directional gain is 7.3 dBi
5. For U-NII-7, The directional gain is 7.62 dBi
6. For U-NII-8, The directional gain is 7.1 dBi

### 802.11be (EHT20) 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
1	5955	-9.96	-9.03	0.25	-6.21	4.76	-1.45	-1	Pass
45	6175	-9.98	-8.65	0.25	-6.00	4.76	-1.24	-1	Pass
93	6415	-10.29	-8.84	0.25	-6.24	4.76	-1.48	-1	Pass
97	6435	-9.36	-8.20	0.25	-5.48	4.29	-1.19	-1	Pass
105	6475	-8.96	-8.70	0.25	-5.57	4.29	-1.28	-1	Pass
113	6515	-9.77	-8.39	0.25	-5.77	4.29	-1.48	-1	Pass
117	6535	-9.33	-9.36	0.25	-6.08	4.61	-1.47	-1	Pass
149	6695	-9.15	-8.75	0.25	-5.69	4.61	-1.08	-1	Pass
181	6855	-9.24	-8.70	0.25	-5.70	4.61	-1.09	-1	Pass
185	6875	-9.16	-8.64	0.25	-5.63	4.61	-1.02	-1	Pass
209	6995	-9.41	-8.11	0.25	-5.45	4.09	-1.36	-1	Pass
233	7115	-9.48	-8.27	0.25	-5.57	4.09	-1.48	-1	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- For U-NII-5, The directional gain is 4.76 dBi
- For U-NII-6, The directional gain is 4.29 dBi
- For U-NII-7, The directional gain is 4.61 dBi
- For U-NII-8, The directional gain is 4.09 dBi

### 802.11be (EHT40) 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
3	5965	-9.55	-8.89	0.23	-5.97	4.76	-1.21	-1	Pass
43	6165	-9.71	-8.44	0.23	-5.79	4.76	-1.03	-1	Pass
91	6405	-9.63	-8.67	0.23	-5.88	4.76	-1.12	-1	Pass
99	6445	-9.24	-8.23	0.23	-5.47	4.29	-1.18	-1	Pass
107	6485	-9.55	-7.98	0.23	-5.45	4.29	-1.16	-1	Pass
115	6525	-9.31	-9.11	0.23	-5.97	4.61	-1.36	-1	Pass
123	6565	-8.95	-8.99	0.23	-5.73	4.61	-1.12	-1	Pass
155	6725	-8.90	-8.93	0.23	-5.67	4.61	-1.06	-1	Pass
179	6845	-9.52	-8.88	0.23	-5.95	4.61	-1.34	-1	Pass
187	6885	-10.23	-7.47	0.23	-5.39	4.09	-1.3	-1	Pass
211	7005	-9.08	-7.78	0.23	-5.14	4.09	-1.05	-1	Pass
227	7085	-9.58	-8.15	0.23	-5.57	4.09	-1.48	-1	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- For U-NII-5, The directional gain is 4.76 dBi
- For U-NII-6, The directional gain is 4.29 dBi
- For U-NII-7, The directional gain is 4.61 dBi
- For U-NII-8, The directional gain is 4.09 dBi

### 802.11be (EHT80) 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
7	5985	-9.72	-9.03	0.44	-5.91	4.76	-1.15	-1	Pass
39	6145	-10.24	-8.45	0.44	-5.80	4.76	-1.04	-1	Pass
87	6385	-10.14	-8.75	0.44	-5.94	4.76	-1.18	-1	Pass
103	6465	-9.34	-8.34	0.44	-5.36	4.29	-1.07	-1	Pass
119	6545	-9.79	-9.37	0.44	-6.12	4.61	-1.51	-1	Pass
151	6705	-9.41	-9.17	0.44	-5.84	4.61	-1.23	-1	Pass
183	6865	-9.23	-9.14	0.44	-5.73	4.61	-1.12	-1	Pass
199	6945	-8.91	-8.72	0.44	-5.36	4.09	-1.27	-1	Pass
215	7025	-9.15	-8.02	0.44	-5.10	4.09	-1.01	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-5, The directional gain is 4.76 dBi
3. For U-NII-6, The directional gain is 4.29 dBi
4. For U-NII-7, The directional gain is 4.61 dBi
5. For U-NII-8, The directional gain is 4.09 dBi

### 802.11be (EHT160) 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
15	6025	-9.85	-9.54	0.5	-6.18	4.76	-1.42	-1	Pass
47	6185	-9.38	-9.26	0.5	-5.81	4.76	-1.05	-1	Pass
79	6345	-9.37	-9.42	0.5	-5.88	4.76	-1.12	-1	Pass
111	6505	-9.01	-9.69	0.5	-5.83	4.29	-1.54	-1	Pass
143	6665	-9.61	-9.61	0.5	-6.10	4.61	-1.49	-1	Pass
175	6825	-9.80	-9.22	0.5	-5.99	4.61	-1.38	-1	Pass
207	6985	-9.81	-8.41	0.5	-5.54	4.09	-1.45	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-5, The directional gain is 4.76 dBi
3. For U-NII-6, The directional gain is 4.29 dBi
4. For U-NII-7, The directional gain is 4.61 dBi
5. For U-NII-8, The directional gain is 4.09 dBi

**802.11be (EHT20) 26-tone RU 2S2T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
1	5955	-10.12	-9.35	0.6	-6.11	4.76	-1.35	-1	Pass
93	6415	-10.08	-9.35	0.6	-6.09	4.76	-1.33	-1	Pass
97	6435	-9.74	-8.97	0.6	-5.73	4.29	-1.44	-1	Pass
113	6515	-10.19	-8.14	0.6	-5.43	4.29	-1.14	-1	Pass
117	6535	-9.90	-9.41	0.6	-6.04	4.61	-1.43	-1	Pass
185	6875	-10.13	-9.23	0.6	-6.05	4.61	-1.44	-1	Pass
209	6995	-9.74	-8.19	0.6	-5.29	4.09	-1.2	-1	Pass
233	7115	-9.60	-8.34	0.6	-5.31	4.09	-1.22	-1	Pass

**Notes:**

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-5, The directional gain is 4.76 dBi
3. For U-NII-6, The directional gain is 4.29 dBi
4. For U-NII-7, The directional gain is 4.61 dBi
5. For U-NII-8, The directional gain is 4.09 dBi

**802.11be (EHT20) 52-tone RU 2S2T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
1	5955	-9.93	-9.34	0.61	-6.00	4.76	-1.24	-1	Pass
93	6415	-10.68	-9.04	0.61	-6.16	4.76	-1.4	-1	Pass
97	6435	-10.28	-8.78	0.61	-5.85	4.29	-1.56	-1	Pass
113	6515	-10.37	-8.06	0.61	-5.44	4.29	-1.15	-1	Pass
117	6535	-9.93	-9.49	0.61	-6.08	4.61	-1.47	-1	Pass
185	6875	-10.17	-9.01	0.61	-5.93	4.61	-1.32	-1	Pass
209	6995	-10.55	-8.24	0.61	-5.62	4.09	-1.53	-1	Pass
233	7115	-9.92	-7.91	0.61	-5.18	4.09	-1.09	-1	Pass

**Notes:**

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-5, The directional gain is 4.76 dBi
3. For U-NII-6, The directional gain is 4.29 dBi
4. For U-NII-7, The directional gain is 4.61 dBi
5. For U-NII-8, The directional gain is 4.09 dBi



**802.11be (EHT20) 106-tone RU 2S2T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
1	5955	-9.89	-9.34	0.6	-6.00	4.76	-1.24	-1	Pass
93	6415	-10.35	-8.90	0.6	-5.95	4.76	-1.19	-1	Pass
97	6435	-9.59	-8.49	0.6	-5.39	4.29	-1.1	-1	Pass
113	6515	-9.82	-8.26	0.6	-5.36	4.29	-1.07	-1	Pass
117	6535	-9.88	-9.64	0.6	-6.15	4.61	-1.54	-1	Pass
185	6875	-10.14	-9.01	0.6	-5.93	4.61	-1.32	-1	Pass
209	6995	-9.57	-8.44	0.6	-5.36	4.09	-1.27	-1	Pass
233	7115	-10.41	-8.64	0.6	-5.83	4.09	-1.74	-1	Pass

**Notes:**

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-5, The directional gain is 4.76 dBi
3. For U-NII-6, The directional gain is 4.29 dBi
4. For U-NII-7, The directional gain is 4.61 dBi
5. For U-NII-8, The directional gain is 4.09 dBi

**802.11be (EHT20) 52+26-tone MRU**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
1	5955	-9.56	-9.18	0.57	-5.79	4.76	-1.03	-1	Pass
93	6415	-10.20	-8.95	0.57	-5.95	4.76	-1.19	-1	Pass
97	6435	-9.52	-8.71	0.57	-5.52	4.29	-1.23	-1	Pass
113	6515	-10.07	-8.14	0.57	-5.42	4.29	-1.13	-1	Pass
117	6535	-9.82	-9.23	0.57	-5.93	4.61	-1.32	-1	Pass
185	6875	-9.59	-8.95	0.57	-5.68	4.61	-1.07	-1	Pass
209	6995	-9.77	-7.84	0.57	-5.12	4.09	-1.03	-1	Pass
233	7115	-10.04	-8.35	0.57	-5.53	4.09	-1.44	-1	Pass

**Notes:**

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-5, The directional gain is 4.76 dBi
3. For U-NII-6, The directional gain is 4.29 dBi
4. For U-NII-7, The directional gain is 4.61 dBi
5. For U-NII-8, The directional gain is 4.09 dBi

**802.11be (EHT20) 106+26-tone MRU 2S2T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
1	5955	-9.63	-9.07	0.51	-5.82	4.76	-1.06	-1	Pass
93	6415	-10.12	-8.67	0.51	-5.81	4.76	-1.05	-1	Pass
97	6435	-9.45	-8.59	0.51	-5.48	4.29	-1.19	-1	Pass
113	6515	-9.98	-8.49	0.51	-5.65	4.29	-1.36	-1	Pass
117	6535	-9.40	-9.21	0.51	-5.78	4.61	-1.17	-1	Pass
185	6875	-9.65	-8.92	0.51	-5.75	4.61	-1.14	-1	Pass
209	6995	-9.49	-8.30	0.51	-5.33	4.09	-1.24	-1	Pass
233	7115	-9.87	-7.82	0.51	-5.20	4.09	-1.11	-1	Pass

**Notes:**

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- For U-NII-5, The directional gain is 4.76 dBi
- For U-NII-6, The directional gain is 4.29 dBi
- For U-NII-7, The directional gain is 4.61 dBi
- For U-NII-8, The directional gain is 4.09 dBi

**802.11be (EHT80) 484+242-tone MRU 2S2T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
7	5985	-9.87	-9.33	0.67	-5.91	4.76	-1.15	-1	Pass
87	6385	-10.48	-8.78	0.67	-5.87	4.76	-1.11	-1	Pass
103	6465	-9.76	-8.75	0.67	-5.55	4.29	-1.26	-1	Pass
119	6545	-10.09	-9.43	0.67	-6.07	4.61	-1.46	-1	Pass
183	6865	-10.07	-9.12	0.67	-5.89	4.61	-1.28	-1	Pass
199	6945	-9.13	-8.80	0.67	-5.28	4.09	-1.19	-1	Pass
215	7025	-9.62	-8.78	0.67	-5.50	4.09	-1.41	-1	Pass

**Notes:**

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- For U-NII-5, The directional gain is 4.76 dBi
- For U-NII-6, The directional gain is 4.29 dBi
- For U-NII-7, The directional gain is 4.61 dBi
- For U-NII-8, The directional gain is 4.09 dBi

**802.11be (EHT160) 996+484-tone MRU 2S2T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
15	6025	-9.91	-9.34	0.7	-5.91	4.76	-1.15	-1	Pass
79	6345	-9.80	-9.41	0.7	-5.89	4.76	-1.13	-1	Pass
111	6505	-9.38	-9.35	0.7	-5.65	4.29	-1.36	-1	Pass
143	6665	-9.32	-9.80	0.7	-5.84	4.61	-1.23	-1	Pass
175	6825	-9.83	-9.37	0.7	-5.88	4.61	-1.27	-1	Pass
207	6985	-9.31	-8.38	0.7	-5.11	4.09	-1.02	-1	Pass

**Notes:**

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-5, The directional gain is 4.76 dBi
3. For U-NII-6, The directional gain is 4.29 dBi
4. For U-NII-7, The directional gain is 4.61 dBi
5. For U-NII-8, The directional gain is 4.09 dBi

**802.11be (EHT160) 996+484+242-tone MRU 2S2T**

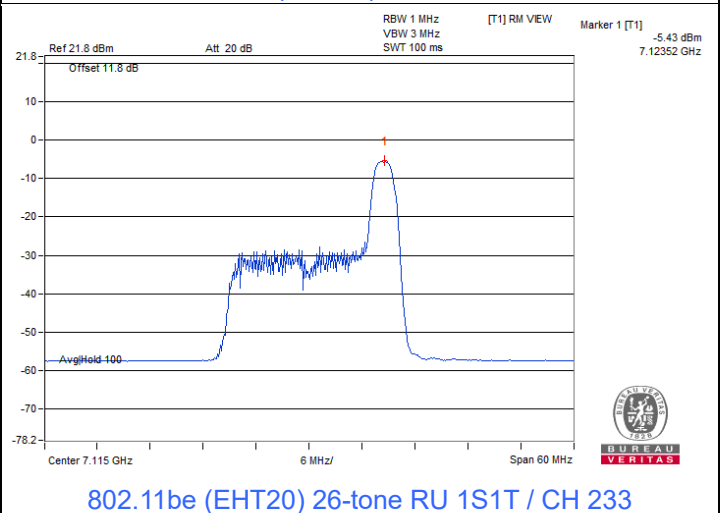
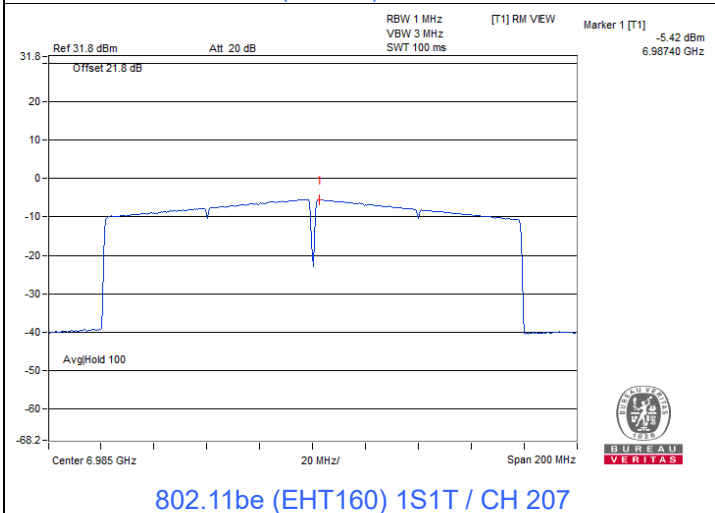
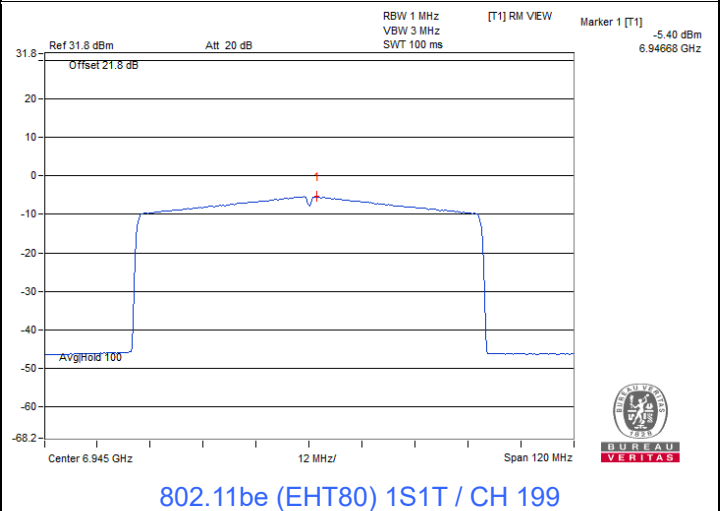
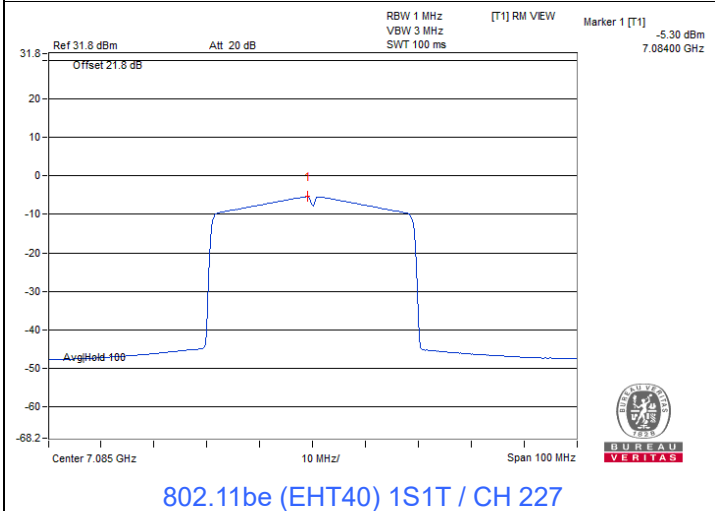
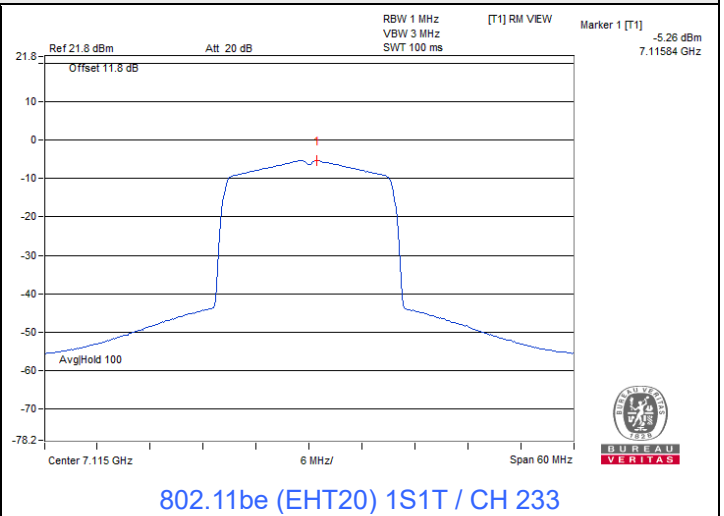
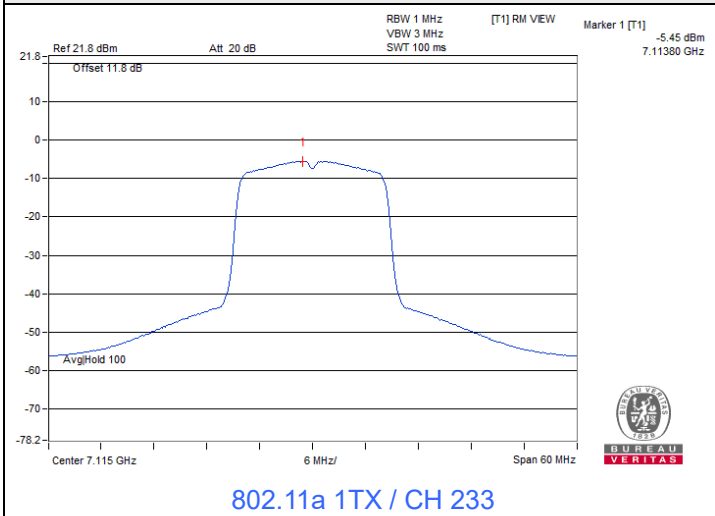
Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
15	6025	-9.72	-9.89	0.74	-6.05	4.76	-1.29	-1	Pass
79	6345	-9.19	-9.98	0.74	-5.82	4.76	-1.06	-1	Pass
111	6505	-9.49	-9.19	0.74	-5.59	4.29	-1.3	-1	Pass
143	6665	-9.52	-9.94	0.74	-5.97	4.61	-1.36	-1	Pass
175	6825	-9.34	-9.86	0.74	-5.84	4.61	-1.23	-1	Pass
207	6985	-9.39	-8.70	0.74	-5.28	4.09	-1.19	-1	Pass

**Notes:**

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-5, The directional gain is 4.76 dBi
3. For U-NII-6, The directional gain is 4.29 dBi
4. For U-NII-7, The directional gain is 4.61 dBi
5. For U-NII-8, The directional gain is 4.09 dBi

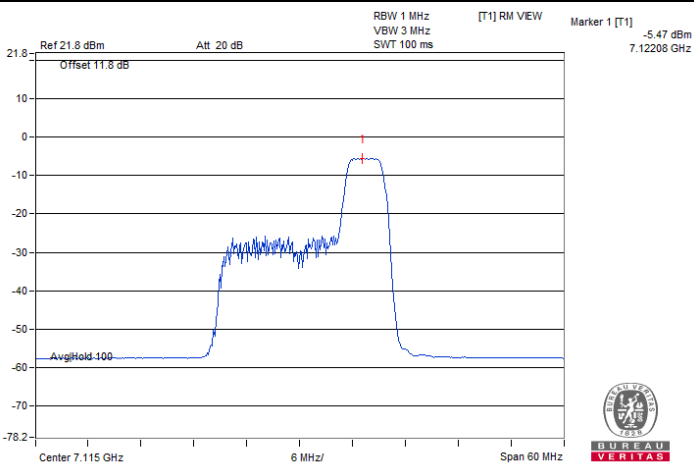


### Spectrum Plot of Maximum Value

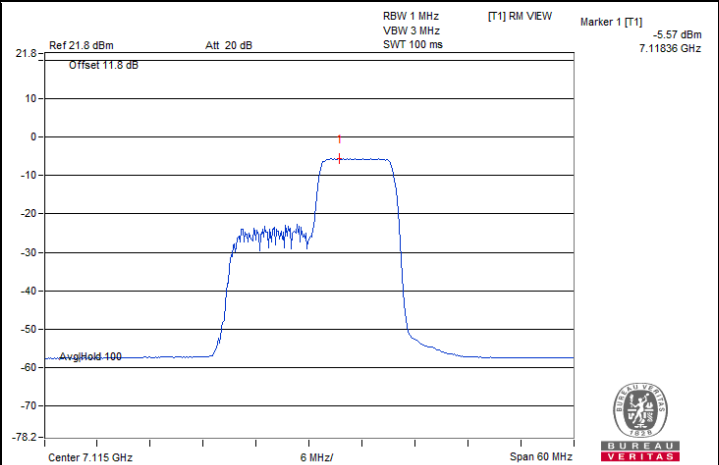




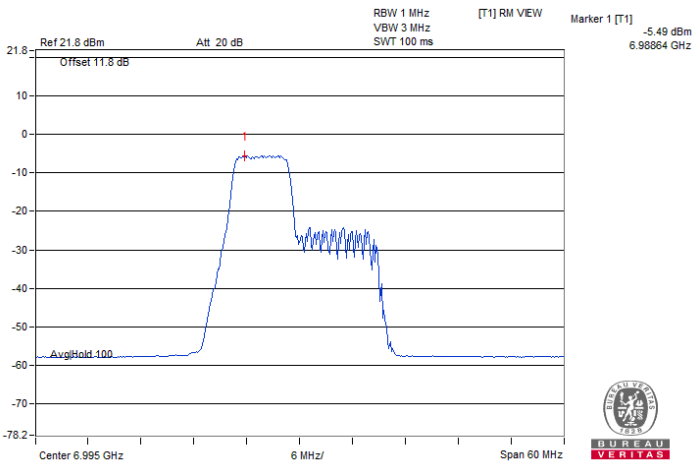
### Spectrum Plot of Maximum Value



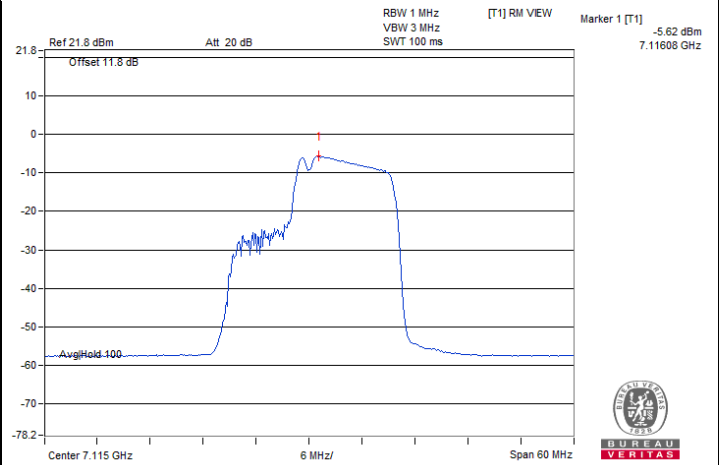
802.11be (EHT20) 52-tone RU 1S1T / CH 233



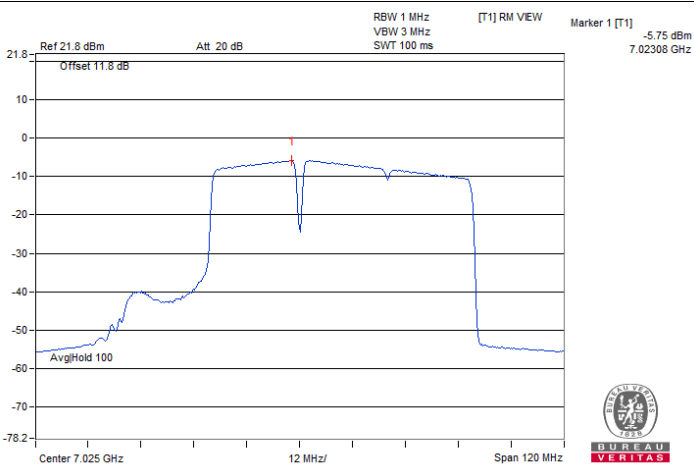
802.11be (EHT20) 106-tone RU 1S1T / CH 233



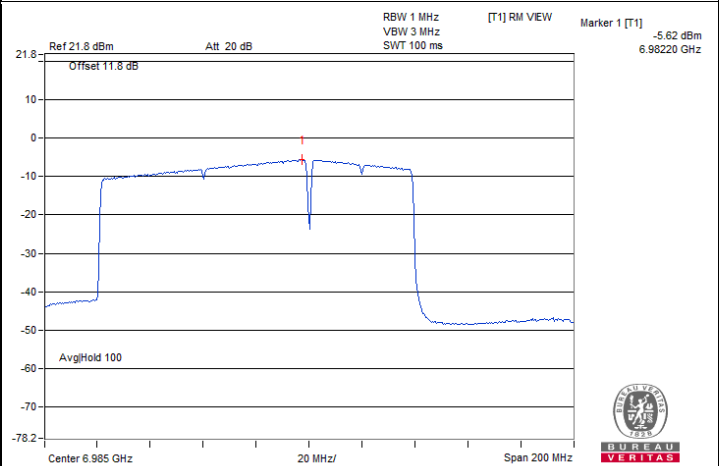
802.11be (EHT20) 52+26-tone MRU 1S1T / CH 209



802.11be (EHT20) 106+26-tone MRU 1S1T / CH 233



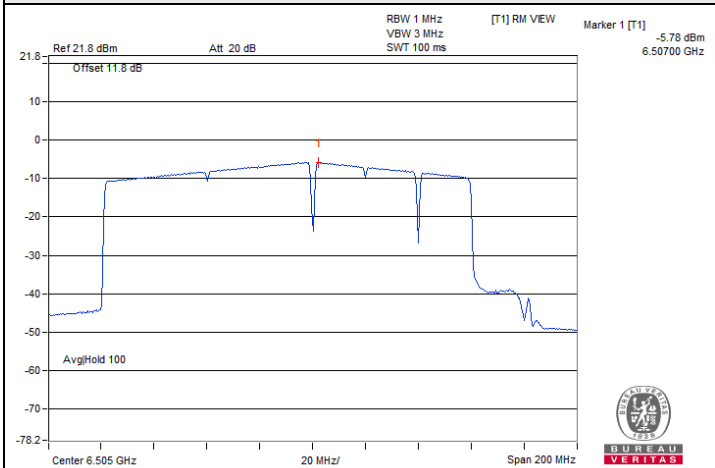
802.11be (EHT80) 484+242-tone MRU 1S1T / CH 215



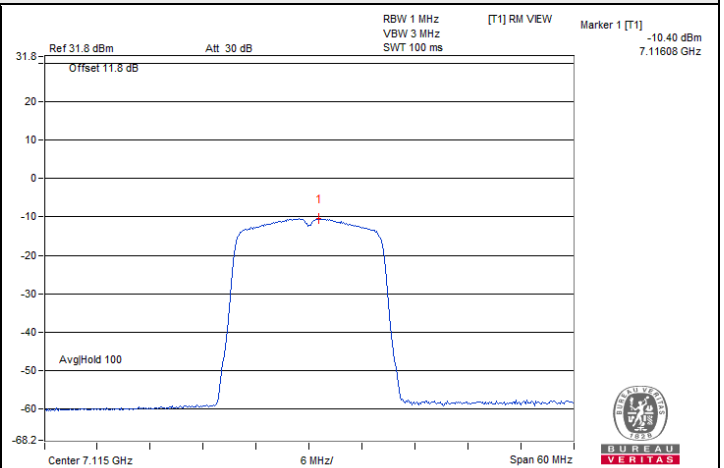
802.11be (EHT160) 996+484-tone MRU 1S1T / CH 207



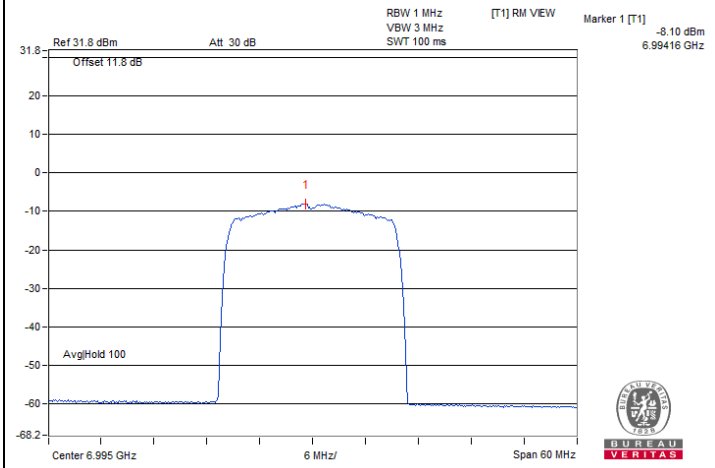
### Spectrum Plot of Maximum Value



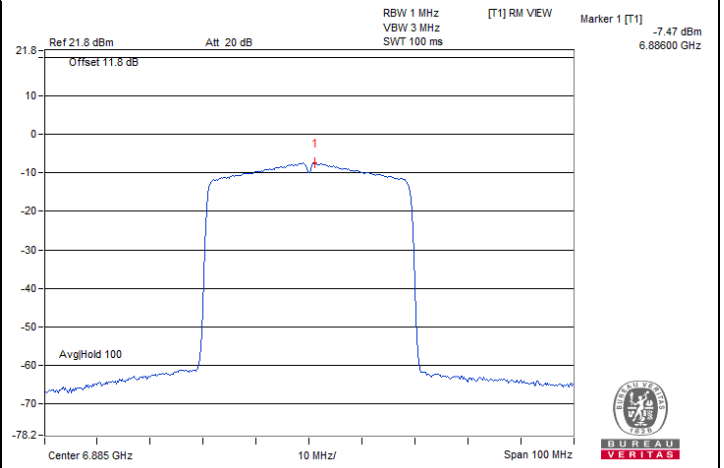
802.11be (EHT160) 996+484+242-tone MRU 1S1T / CH 111



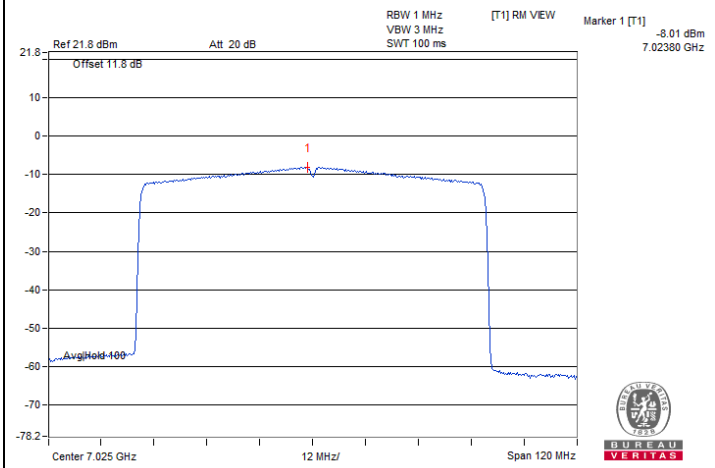
802.11a 2TX / Chain 1 : CH 233



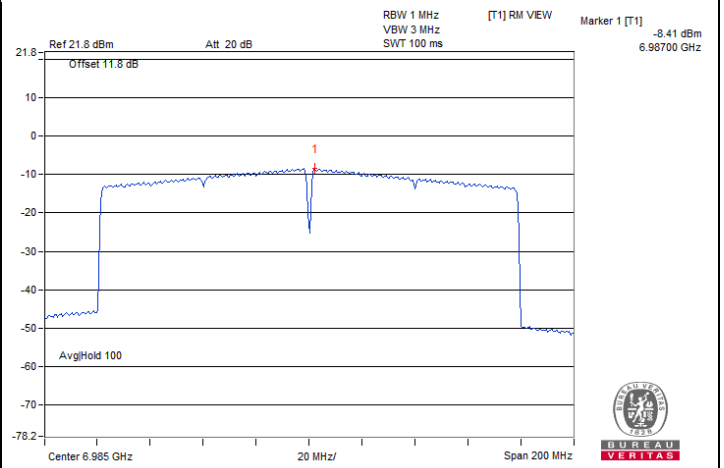
802.11be (EHT20) 2S2T / Chain 1 : CH 209



802.11be (EHT40) 2S2T / Chain 1 : CH 187

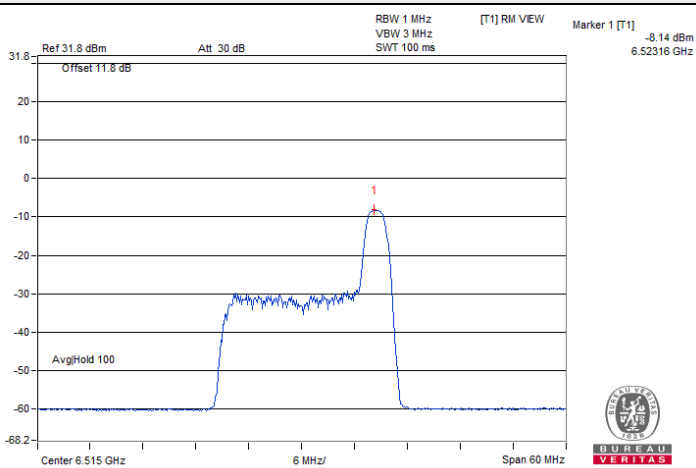


802.11be (EHT80) 2S2T / Chain 1 : CH 215

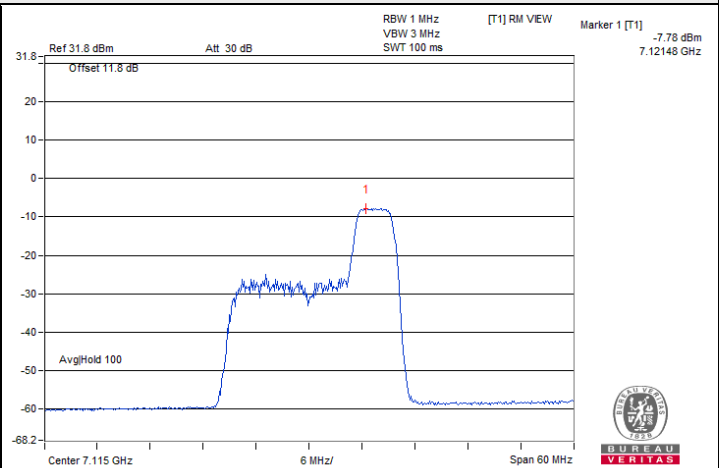


802.11be (EHT160) 2S2T / Chain 1 : CH 207

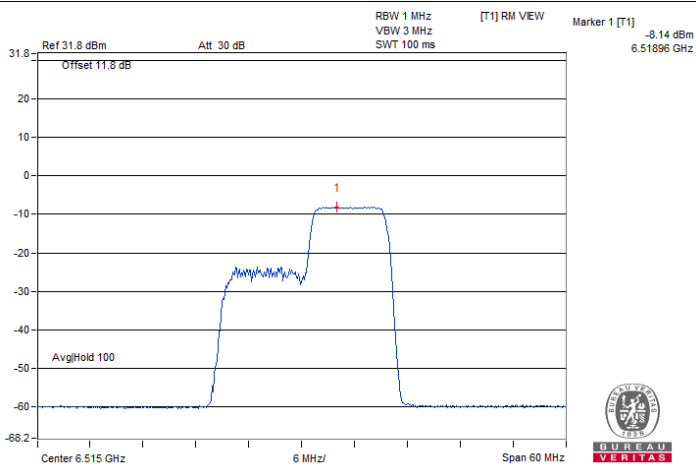
### Spectrum Plot of Maximum Value



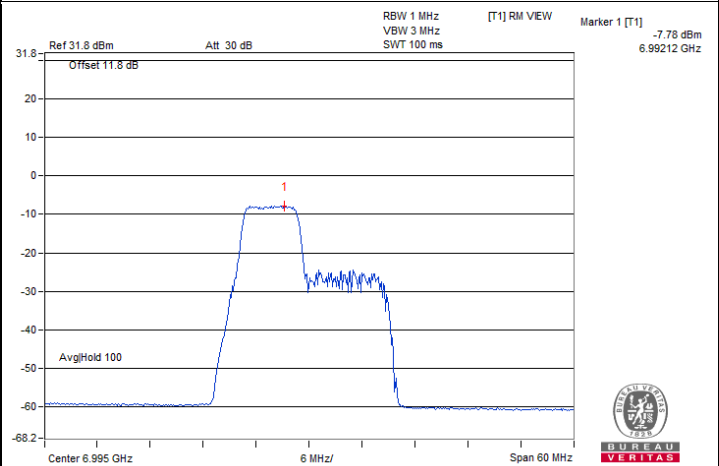
802.11be (EHT20) 26-tone RU 2S2T / Chain 1 : CH 113



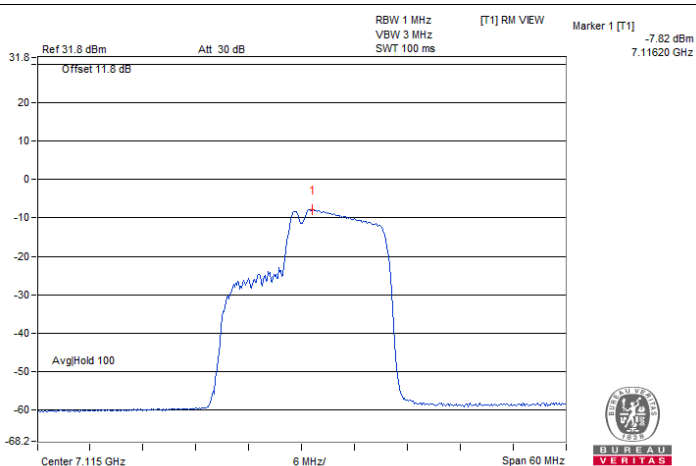
802.11be (EHT20) 52-tone RU 2S2T / Chain 1 : CH 233



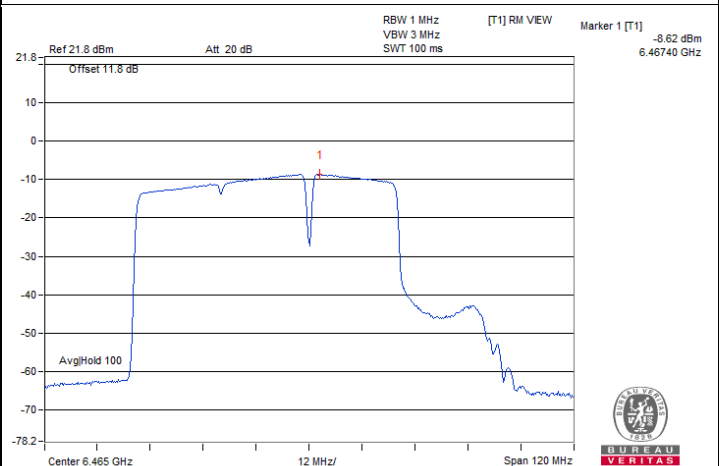
802.11be (EHT20) 106-tone RU 2S2T / Chain 1 : CH 113



802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 1 : CH 209

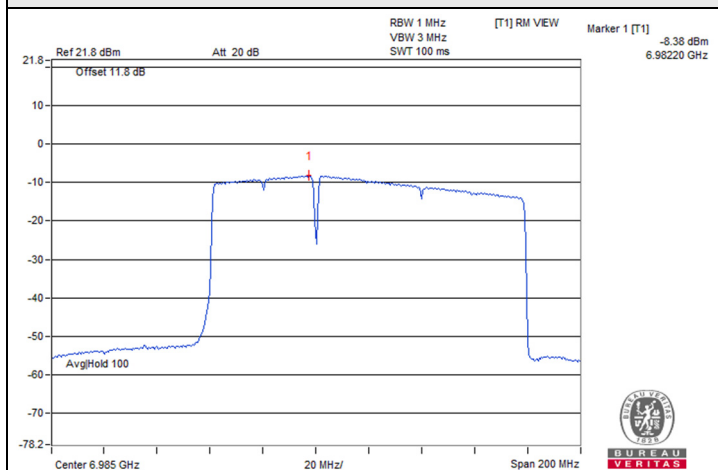


802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 1 : CH 233

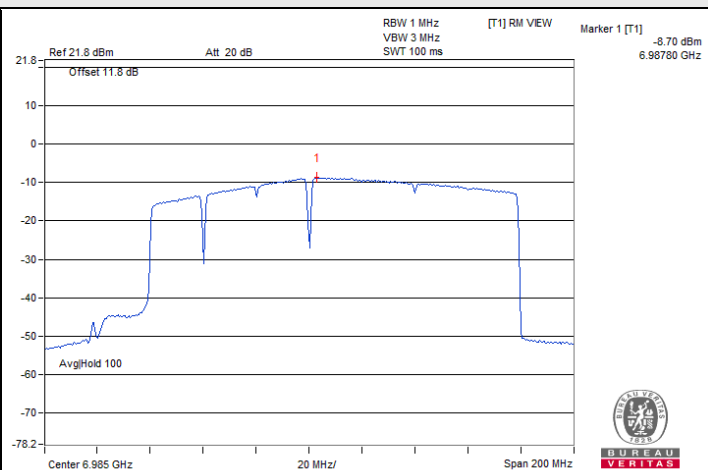


802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 1 : CH 103

### Spectrum Plot of Maximum Value



802.11be (EHT160) 996+484-tone MRU 2S2T /  
Chain 1 : CH 207



802.11be (EHT160) 996+484+242-tone MRU 2S2T /  
Chain 1 : CH 207



## Standard Power Client

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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### 802.11a 1TX

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	11.78	0.23	12.01	4.76	16.77	17	Pass
45	6175	11.76	0.23	11.99	4.76	16.75	17	Pass
93	6415	11.76	0.23	11.99	4.76	16.75	17	Pass
117	6535	12.02	0.23	12.25	4.61	16.86	17	Pass
149	6695	11.92	0.23	12.15	4.61	16.76	17	Pass
181	6855	12.04	0.23	12.27	4.61	16.88	17	Pass

#### Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

### 802.11be (EHT20) 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	11.71	0.14	11.85	4.76	16.61	17	Pass
45	6175	11.87	0.14	12.01	4.76	16.77	17	Pass
93	6415	11.68	0.14	11.82	4.76	16.58	17	Pass
117	6535	12.17	0.14	12.31	4.61	16.92	17	Pass
149	6695	11.88	0.14	12.02	4.61	16.63	17	Pass
181	6855	11.91	0.14	12.05	4.61	16.66	17	Pass

#### Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

### 802.11be (EHT40) 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
3	5965	7.9	0.13	8.03	4.76	12.79	17	Pass
43	6165	10.54	0.13	10.67	4.76	15.43	17	Pass
91	6405	10.1	0.13	10.23	4.76	14.99	17	Pass
123	6565	10.51	0.13	10.64	4.61	15.25	17	Pass
155	6725	10.14	0.13	10.27	4.61	14.88	17	Pass
179	6845	9.65	0.13	9.78	4.61	14.39	17	Pass

Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

### 802.11be (EHT80) 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
7	5985	4.97	0.26	5.23	4.76	9.99	17	Pass
39	6145	7.88	0.26	8.14	4.76	12.9	17	Pass
87	6385	7.74	0.26	8.00	4.76	12.76	17	Pass
135	6625	7.14	0.26	7.40	4.61	12.01	17	Pass
151	6705	6.93	0.26	7.19	4.61	11.8	17	Pass
167	6785	6.6	0.26	6.86	4.61	11.47	17	Pass

Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

### 802.11be (EHT160) 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
15	6025	1.07	0.29	1.36	4.76	6.12	17	Pass
47	6185	3.7	0.29	3.99	4.76	8.75	17	Pass
79	6345	3.62	0.29	3.91	4.76	8.67	17	Pass
143	6665	4.47	0.29	4.76	4.61	9.37	17	Pass

Notes:

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

**802.11be (EHT20) 26-tone RU 1S1T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	11.8	0.28	12.08	4.76	16.84	17	Pass
93	6415	11.75	0.28	12.03	4.76	16.79	17	Pass
117	6535	11.68	0.28	11.96	4.61	16.57	17	Pass
181	6855	12.06	0.28	12.34	4.61	16.95	17	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

**802.11be (EHT20) 52-tone RU 1S1T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	11.59	0.28	11.87	4.76	16.63	17	Pass
93	6415	11.86	0.28	12.14	4.76	16.9	17	Pass
117	6535	11.74	0.28	12.02	4.61	16.63	17	Pass
181	6855	11.61	0.28	11.89	4.61	16.5	17	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

**802.11be (EHT20) 106-tone RU 1S1T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	11.93	0.28	12.21	4.76	16.97	17	Pass
93	6415	11.66	0.28	11.94	4.76	16.7	17	Pass
117	6535	11.95	0.28	12.23	4.61	16.84	17	Pass
181	6855	11.82	0.28	12.10	4.61	16.71	17	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

**802.11be (EHT20) 52+26-tone MRU 1S1T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	11.61	0.31	11.92	4.76	16.68	17	Pass
93	6415	11.5	0.31	11.81	4.76	16.57	17	Pass
117	6535	11.95	0.31	12.26	4.61	16.87	17	Pass
181	6855	11.98	0.31	12.29	4.61	16.9	17	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

**802.11be (EHT20) 106+26-tone MRU 1S1T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	11.87	0.29	12.16	4.76	16.92	17	Pass
93	6415	11.72	0.29	12.01	4.76	16.77	17	Pass
117	6535	11.98	0.29	12.27	4.61	16.88	17	Pass
181	6855	11.92	0.29	12.21	4.61	16.82	17	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

**802.11be (EHT80) 484+242-tone MRU 1S1T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
7	5985	2.88	0.38	3.26	4.76	8.02	17	Pass
87	6385	5.92	0.38	6.30	4.76	11.06	17	Pass
135	6625	5.78	0.38	6.16	4.61	10.77	17	Pass
167	6785	5.83	0.38	6.21	4.61	10.82	17	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

**802.11be (EHT160) 996+484-tone MRU 1S1T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
15	6025	0.4	0.41	0.81	4.76	5.57	17	Pass
79	6345	2.24	0.41	2.65	4.76	7.41	17	Pass
143	6665	1.49	0.41	1.90	4.61	6.51	17	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

**802.11be (EHT160) 996+484+242-tone MRU 1S1T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
15	6025	0.14	0.41	0.55	4.76	5.31	17	Pass
79	6345	2.02	0.41	2.43	4.76	7.19	17	Pass
143	6665	1.09	0.41	1.50	4.61	6.11	17	Pass

**Notes:**

1. For U-NII-5, The antenna gain is 4.76 dBi
2. For U-NII-7, The antenna gain is 4.61 dBi

**802.11a 2TX**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
1	5955	5.44	5.97	0.24	8.96	7.77	16.73	17	Pass
45	6175	5.29	6.36	0.24	9.11	7.77	16.88	17	Pass
93	6415	5.24	6.35	0.24	9.08	7.77	16.85	17	Pass
117	6535	5.96	5.90	0.24	9.18	7.62	16.8	17	Pass
149	6695	5.96	5.74	0.24	9.10	7.62	16.72	17	Pass
181	6855	6.18	5.45	0.24	9.08	7.62	16.7	17	Pass

**Notes:**

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 7.77 dBi
4. For U-NII-7, The directional gain is 7.62 dBi

**802.11be (EHT20) 2S2T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
1	5955	8.61	9.04	0.25	12.09	4.76	16.85	17	Pass
45	6175	8.64	9.28	0.25	12.23	4.76	16.99	17	Pass
93	6415	8.51	9.23	0.25	12.15	4.76	16.91	17	Pass
117	6535	9.03	9.09	0.25	12.32	4.61	16.93	17	Pass
149	6695	9.21	8.79	0.25	12.27	4.61	16.88	17	Pass
181	6855	9.51	8.55	0.25	12.32	4.61	16.93	17	Pass

**Notes:**

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-5, The directional gain is 4.76 dBi
3. For U-NII-7, The directional gain is 4.61 dBi

**802.11be (EHT40) 2S2T**

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
3	5965	5.59	5.82	0.23	8.95	4.76	13.71	17	Pass
43	6165	6.13	6.25	0.23	9.43	4.76	14.19	17	Pass
91	6405	5.36	6.81	0.23	9.39	4.76	14.15	17	Pass
123	6565	6.00	6.23	0.23	9.36	4.61	13.97	17	Pass
155	6725	5.74	6.20	0.23	9.22	4.61	13.83	17	Pass
179	6845	5.08	6.19	0.23	8.91	4.61	13.52	17	Pass

**Notes:**

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-5, The directional gain is 4.76 dBi
3. For U-NII-7, The directional gain is 4.61 dBi

### 802.11be (EHT80) 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
7	5985	1.38	1.30	0.44	4.79	4.76	9.55	17	Pass
39	6145	3.04	3.21	0.44	6.58	4.76	11.34	17	Pass
87	6385	2.94	3.49	0.44	6.67	4.76	11.43	17	Pass
135	6625	2.67	2.79	0.44	6.18	4.61	10.79	17	Pass
151	6705	2.96	3.27	0.44	6.57	4.61	11.18	17	Pass
167	6785	2.19	2.97	0.44	6.05	4.61	10.66	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-5, The directional gain is 4.76 dBi
3. For U-NII-7, The directional gain is 4.61 dBi

### 802.11be (EHT160) 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
15	6025	-2.63	-2.79	0.5	0.80	4.76	5.56	17	Pass
47	6185	0.30	-0.03	0.5	3.65	4.76	8.41	17	Pass
79	6345	-2.12	-1.45	0.5	1.74	4.76	6.5	17	Pass
143	6665	-3.61	-3.20	0.5	0.11	4.61	4.72	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-5, The directional gain is 4.76 dBi
3. For U-NII-7, The directional gain is 4.61 dBi

### 802.11be (EHT20) 26-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
1	5955	7.80	8.07	0.6	11.55	4.76	16.31	17	Pass
93	6415	7.77	9.04	0.6	12.06	4.76	16.82	17	Pass
117	6535	8.76	7.97	0.6	11.99	4.61	16.6	17	Pass
181	6855	8.89	7.73	0.6	11.96	4.61	16.57	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-5, The directional gain is 4.76 dBi
3. For U-NII-7, The directional gain is 4.61 dBi

### 802.11be (EHT20) 52-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
1	5955	8.04	8.38	0.61	11.83	4.76	16.59	17	Pass
93	6415	7.60	8.60	0.61	11.75	4.76	16.51	17	Pass
117	6535	8.27	8.67	0.61	12.09	4.61	16.7	17	Pass
181	6855	8.11	9.12	0.61	12.26	4.61	16.87	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-5, The directional gain is 4.76 dBi
3. For U-NII-7, The directional gain is 4.61 dBi

### 802.11be (EHT20) 106-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
1	5955	8.16	8.87	0.6	12.14	4.76	16.9	17	Pass
93	6415	8.44	8.77	0.6	12.22	4.76	16.98	17	Pass
117	6535	8.68	8.01	0.6	11.97	4.61	16.58	17	Pass
181	6855	8.78	7.96	0.6	12.00	4.61	16.61	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-5, The directional gain is 4.76 dBi
3. For U-NII-7, The directional gain is 4.61 dBi



### 802.11be (EHT20) 52+26-tone MRU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
1	5955	8.12	8.72	0.57	12.01	4.76	16.77	17	Pass
93	6415	7.84	9.10	0.57	12.10	4.76	16.86	17	Pass
117	6535	8.36	8.46	0.57	11.99	4.61	16.6	17	Pass
181	6855	8.40	8.58	0.57	12.07	4.61	16.68	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-5, The directional gain is 4.76 dBi
3. For U-NII-7, The directional gain is 4.61 dBi

### 802.11be (EHT20) 106+26-tone MRU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
1	5955	8.53	8.78	0.51	12.18	4.76	16.94	17	Pass
93	6415	7.99	9.19	0.51	12.15	4.76	16.91	17	Pass
117	6535	8.69	8.64	0.51	12.19	4.61	16.8	17	Pass
181	6855	8.26	8.77	0.51	12.04	4.61	16.65	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-5, The directional gain is 4.76 dBi
3. For U-NII-7, The directional gain is 4.61 dBi

### 802.11be (EHT80) 484+242-tone MRU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
7	5985	0.58	0.58	0.67	4.26	4.76	9.02	17	Pass
87	6385	3.35	3.75	0.67	7.23	4.76	11.99	17	Pass
135	6625	3.83	4.30	0.67	7.75	4.61	12.36	17	Pass
167	6785	3.51	4.24	0.67	7.57	4.61	12.18	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-5, The directional gain is 4.76 dBi
3. For U-NII-7, The directional gain is 4.61 dBi

### 802.11be (EHT160) 996+484-tone MRU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
15	6025	-3.87	-3.92	0.7	-0.18	4.76	4.58	17	Pass
79	6345	-0.18	0.21	0.7	3.73	4.76	8.49	17	Pass
143	6665	0.92	0.87	0.7	4.61	4.61	9.22	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-5, The directional gain is 4.76 dBi
3. For U-NII-7, The directional gain is 4.61 dBi

### 802.11be (EHT160) 996+484+242-tone MRU 2S2T

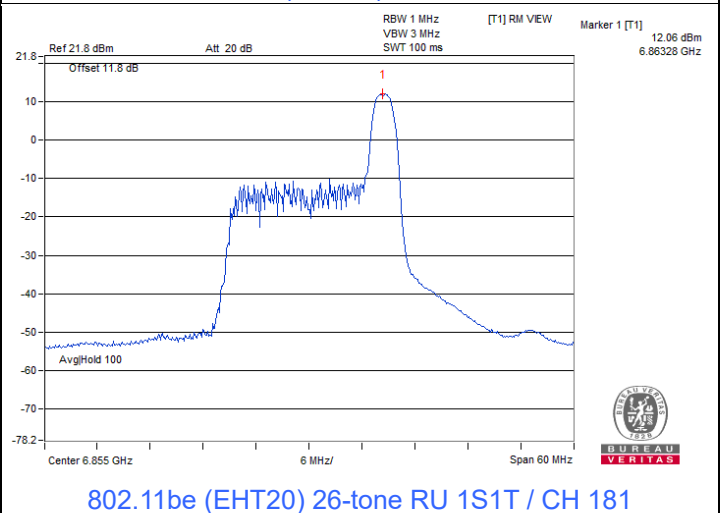
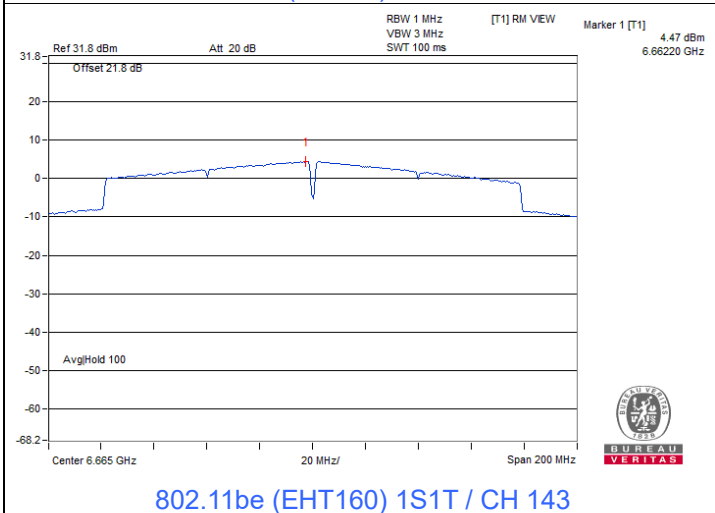
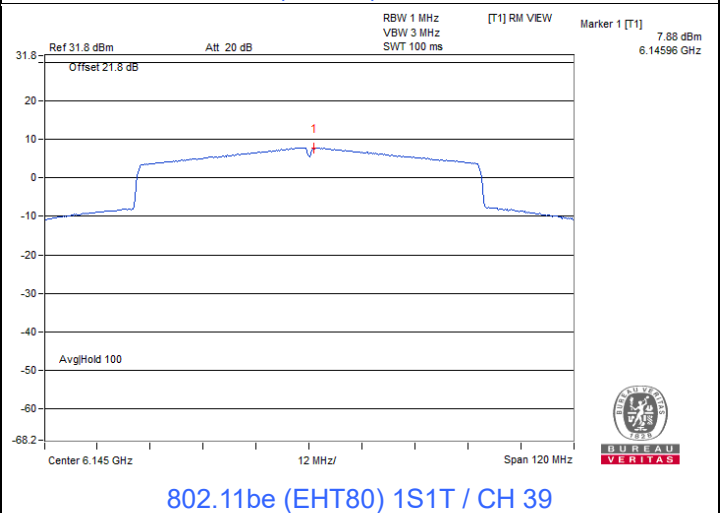
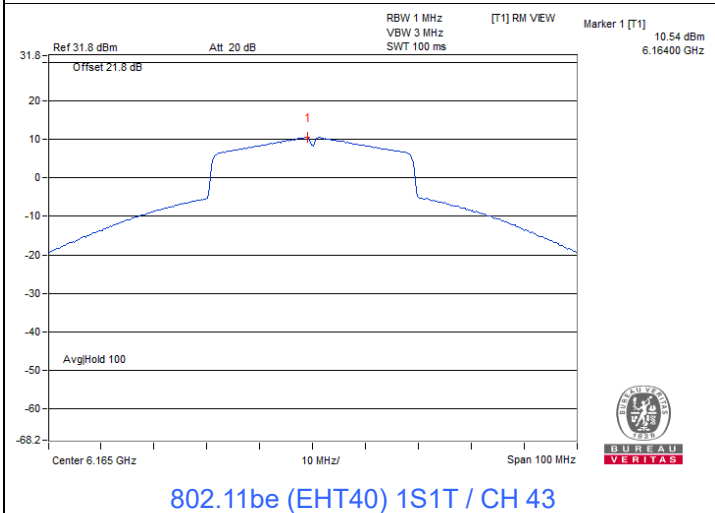
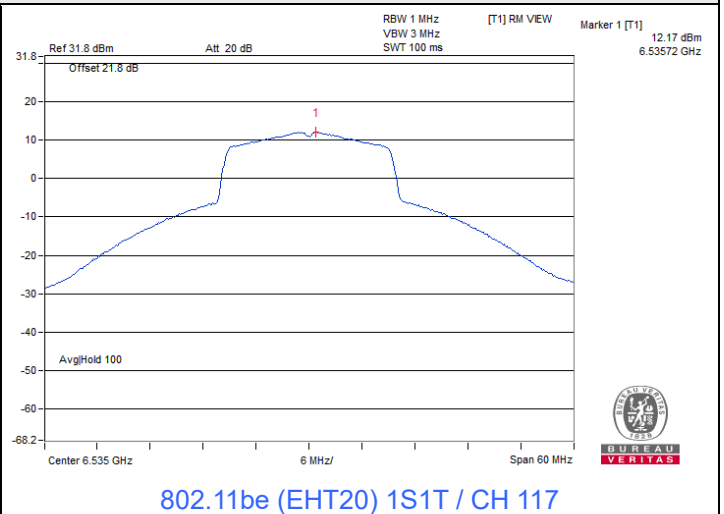
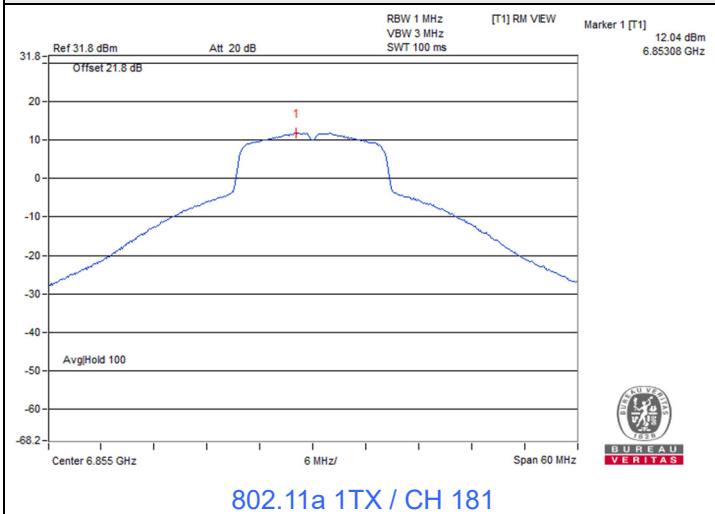
Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
15	6025	-4.54	-3.99	0.74	-0.51	4.76	4.25	17	Pass
79	6345	-0.84	-0.76	0.74	2.95	4.76	7.71	17	Pass
143	6665	0.41	0.42	0.74	4.17	4.61	8.78	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-5, The directional gain is 4.76 dBi
3. For U-NII-7, The directional gain is 4.61 dBi

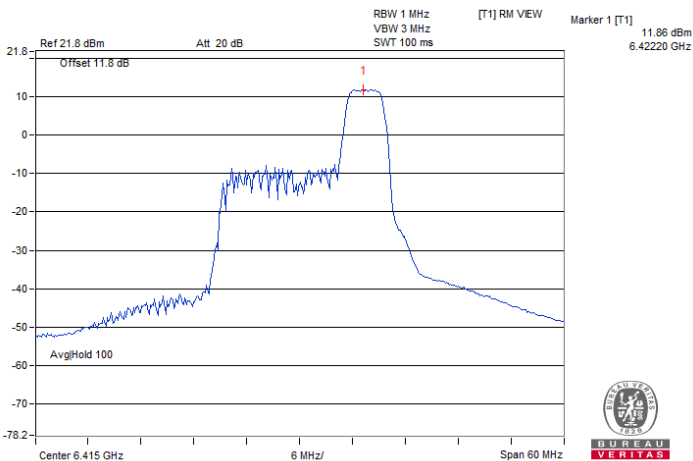


### Spectrum Plot of Maximum Value

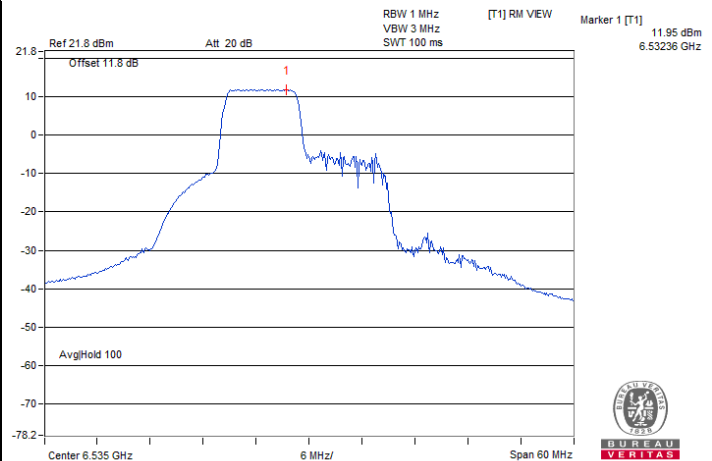




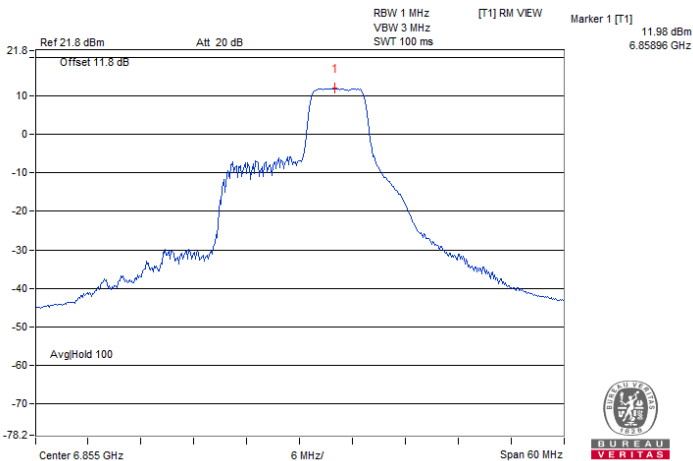
### Spectrum Plot of Maximum Value



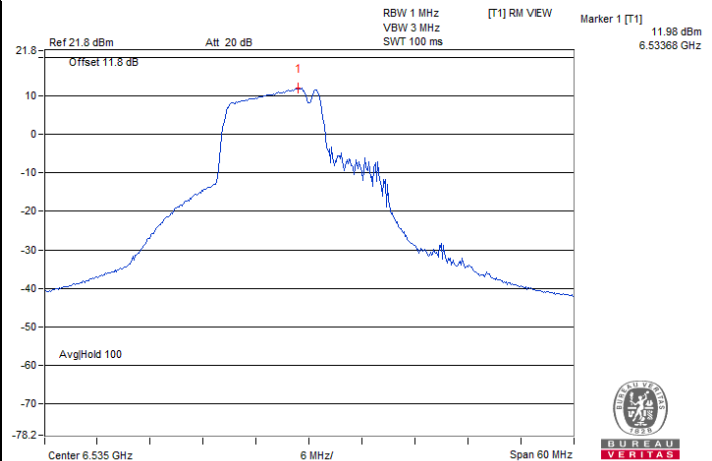
802.11be (EHT20) 52-tone RU 1S1T / CH 93



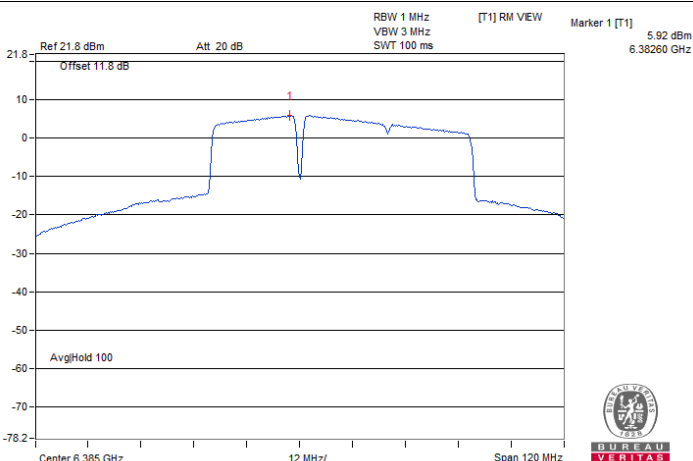
802.11be (EHT20) 106-tone RU 1S1T / CH 117



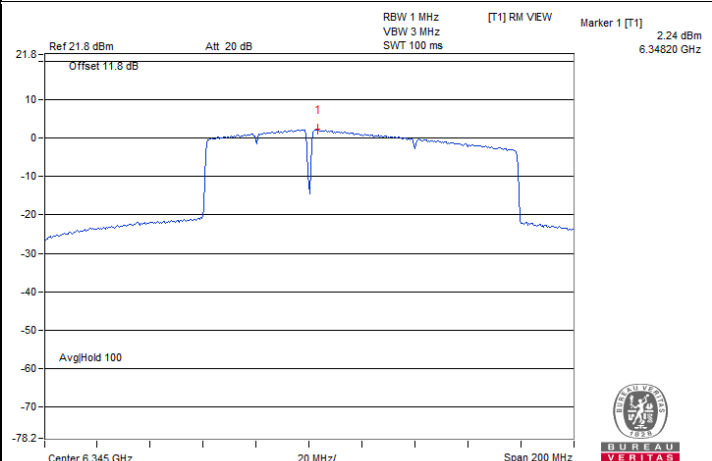
802.11be (EHT20) 52+26-tone MRU 1S1T / CH 181



802.11be (EHT20) 106+26-tone MRU 1S1T / CH 117



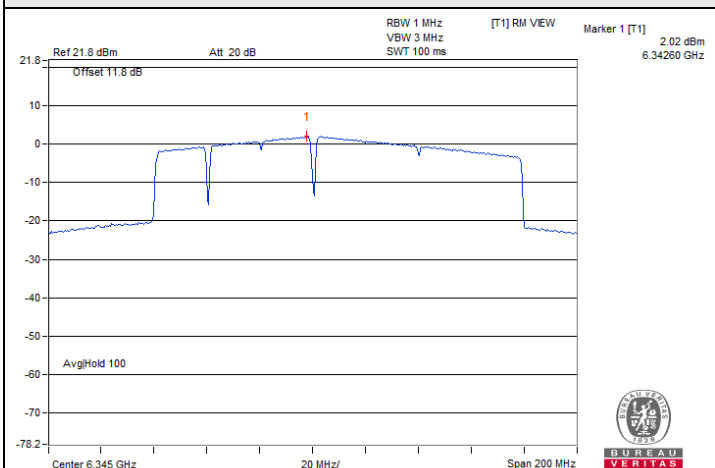
802.11be (EHT80) 484+242-tone MRU 1S1T / CH 87



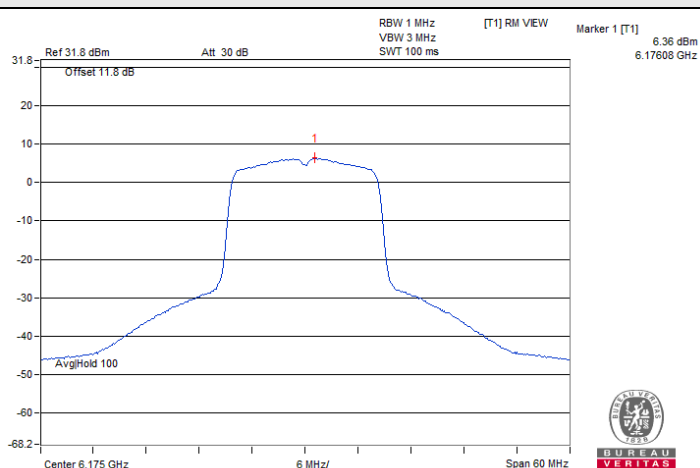
802.11be (EHT160) 996+484-tone MRU 1S1T / CH 79



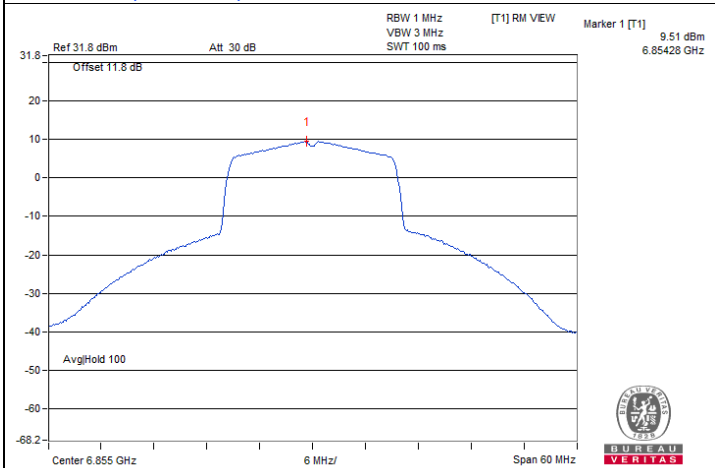
### Spectrum Plot of Maximum Value



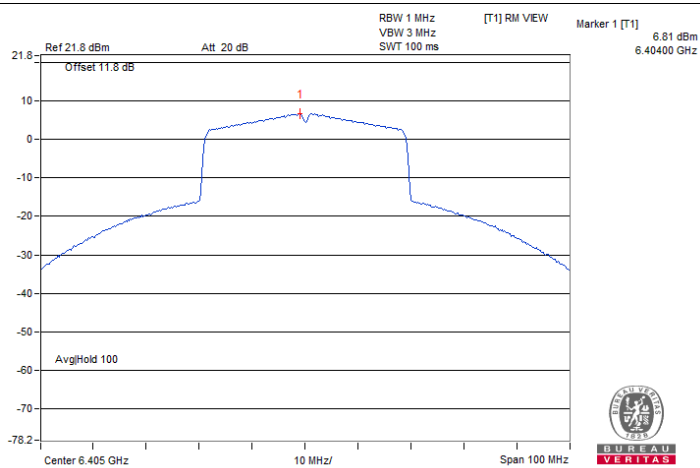
802.11be (EHT160) 996+484+242-tone MRU 1S1T / CH 79



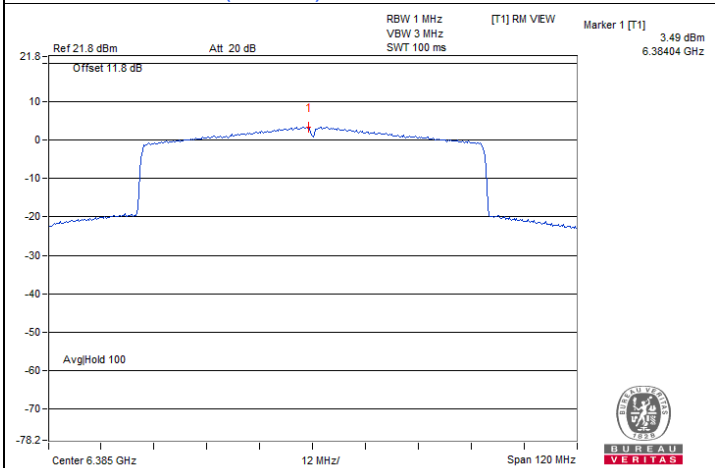
802.11a 2TX / Chain 1 : CH 45



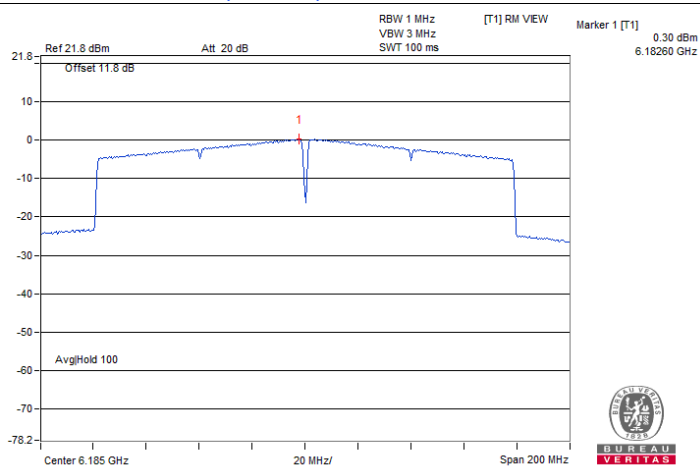
802.11be (EHT20) 2S2T / Chain 0 : CH 181



802.11be (EHT40) 2S2T / Chain 1 : CH 91



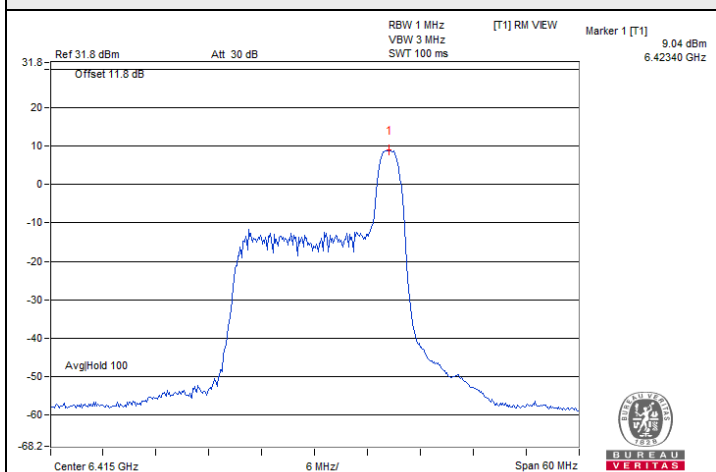
802.11be (EHT80) 2S2T / Chain 1 : CH 87



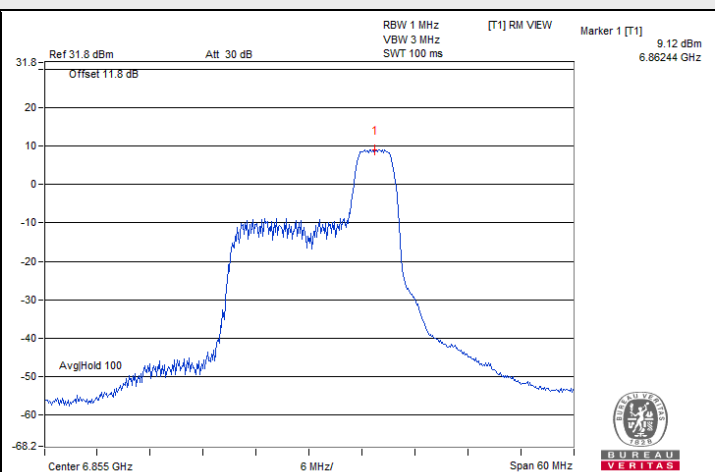
802.11be (EHT160) 2S2T / Chain 0 : CH 47



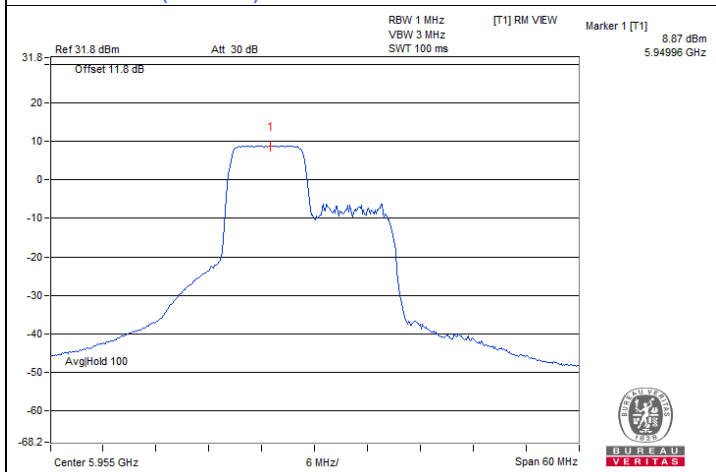
### Spectrum Plot of Maximum Value



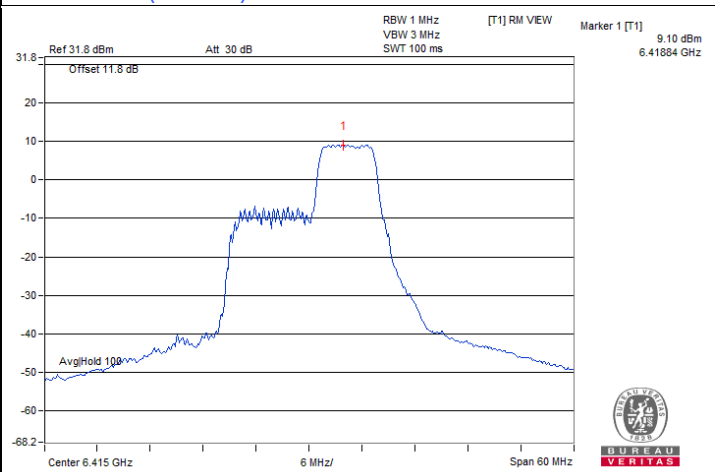
802.11be (EHT20) 26-tone RU 2S2T / Chain 1 : CH 93



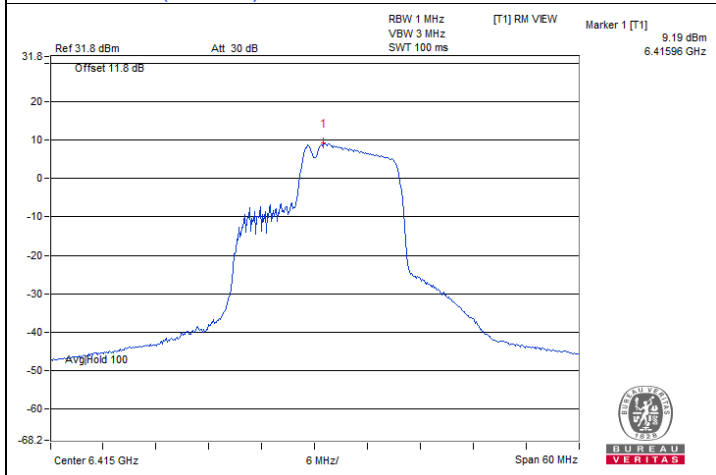
802.11be (EHT20) 52-tone RU 2S2T / Chain 1 : CH 181



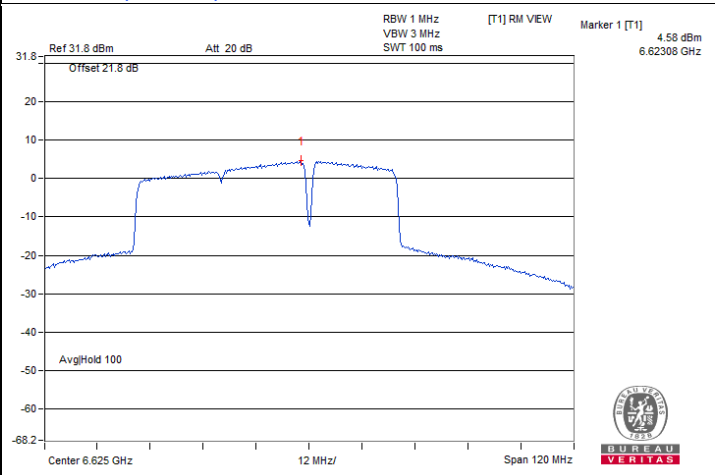
802.11be (EHT20) 106-tone RU 2S2T / Chain 1 : CH 1



802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 1 : CH 93



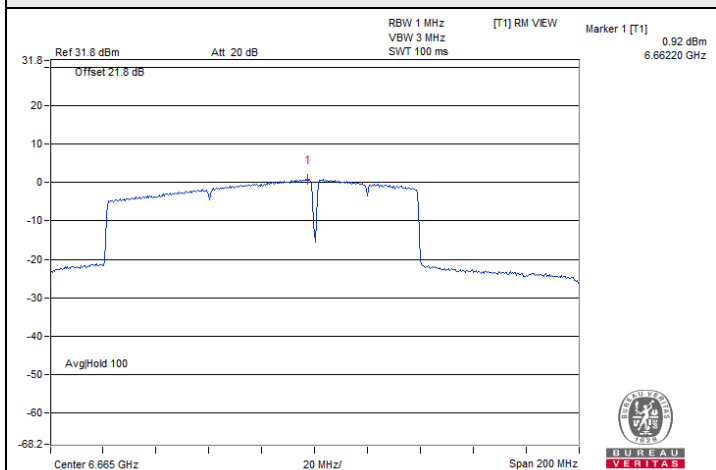
802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 1 : CH 93



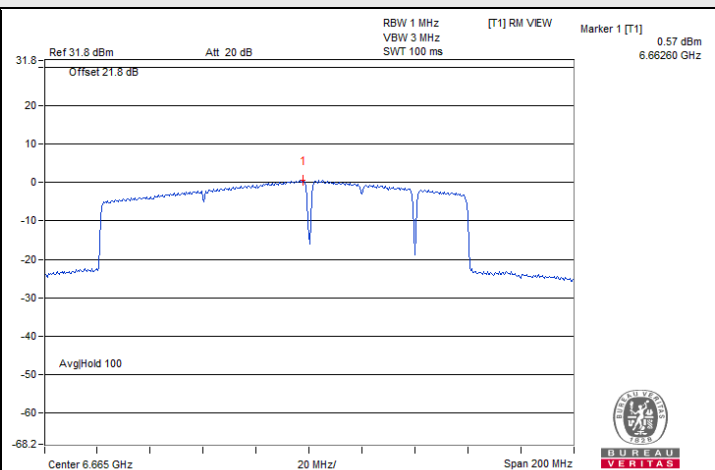
802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 1 : CH 135



### Spectrum Plot of Maximum Value



802.11be (EHT160) 996+484-tone MRU 2S2T /  
Chain 0 : CH 143



802.11be (EHT160) 996+484+242-tone MRU 2S2T /  
Chain 1 : CH 143

### 7.3 Emission Bandwidth

#### Indoor Client

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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#### 802.11a 1TX

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	18.48	320	Pass
45	6175	18.41	320	Pass
93	6415	18.4	320	Pass
97	6435	18.41	320	Pass
105	6475	18.47	320	Pass
113	6515	18.46	320	Pass
117	6535	18.58	320	Pass
149	6695	18.5	320	Pass
181	6855	18.49	320	Pass
185	6875	18.58	320	Pass
209	6995	18.33	320	Pass
233	7115	18.4	320	Pass

#### 802.11be (EHT20) 1S1T

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	19.9	320	Pass
45	6175	19.92	320	Pass
93	6415	19.89	320	Pass
97	6435	19.95	320	Pass
105	6475	19.83	320	Pass
113	6515	19.95	320	Pass
117	6535	19.94	320	Pass
149	6695	19.96	320	Pass
181	6855	19.89	320	Pass
185	6875	19.9	320	Pass
209	6995	19.88	320	Pass
233	7115	19.91	320	Pass



**802.11be (EHT40) 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
3	5965	39.52	320	Pass
43	6165	39.48	320	Pass
91	6405	39.56	320	Pass
99	6445	39.52	320	Pass
107	6485	39.64	320	Pass
115	6525	39.64	320	Pass
123	6565	39.52	320	Pass
155	6725	39.6	320	Pass
179	6845	39.66	320	Pass
187	6885	39.67	320	Pass
211	7005	39.68	320	Pass
227	7085	39.63	320	Pass

**802.11be (EHT80) 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
7	5985	80.35	320	Pass
39	6145	80.32	320	Pass
87	6385	80.29	320	Pass
103	6465	80.29	320	Pass
119	6545	80.25	320	Pass
151	6705	80.4	320	Pass
183	6865	80.25	320	Pass
199	6945	80.29	320	Pass
215	7025	80.29	320	Pass

**802.11be (EHT160) 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
15	6025	162.36	320	Pass
47	6185	162.41	320	Pass
79	6345	162.36	320	Pass
111	6505	162.46	320	Pass
143	6665	162.45	320	Pass
175	6825	272.27	320	Pass
207	6985	214.98	320	Pass

### 802.11be (EHT20) 26-tone RU 1S1T

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	19.61	320	Pass
93	6415	19.66	320	Pass
97	6435	19.64	320	Pass
113	6515	19.67	320	Pass
117	6535	19.56	320	Pass
185	6875	19.66	320	Pass
209	6995	19.61	320	Pass
233	7115	19.62	320	Pass

### 802.11be (EHT20) 52-tone RU 1S1T

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	19.69	320	Pass
93	6415	19.7	320	Pass
97	6435	19.61	320	Pass
113	6515	19.82	320	Pass
117	6535	19.72	320	Pass
185	6875	19.72	320	Pass
209	6995	19.7	320	Pass
233	7115	19.75	320	Pass

### 802.11be (EHT20) 106-tone RU 1S1T

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	20.05	320	Pass
93	6415	20.03	320	Pass
97	6435	20.26	320	Pass
113	6515	20.09	320	Pass
117	6535	20.18	320	Pass
185	6875	20.12	320	Pass
209	6995	21.33	320	Pass
233	7115	20.08	320	Pass

**802.11be (EHT20) 52+26-tone MRU 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	18.76	320	Pass
93	6415	19.08	320	Pass
97	6435	19.01	320	Pass
113	6515	18.91	320	Pass
117	6535	19.13	320	Pass
185	6875	19.14	320	Pass
209	6995	19.11	320	Pass
233	7115	19.18	320	Pass

**802.11be (EHT20) 106+26-tone MRU 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	19.61	320	Pass
93	6415	19.62	320	Pass
97	6435	19.58	320	Pass
113	6515	19.62	320	Pass
117	6535	19.57	320	Pass
185	6875	19.66	320	Pass
209	6995	19.68	320	Pass
233	7115	19.63	320	Pass

**802.11be (EHT80) 484+242-tone MRU 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
7	5985	78.39	320	Pass
87	6385	79.05	320	Pass
103	6465	79.03	320	Pass
119	6545	79.22	320	Pass
183	6865	79.53	320	Pass
199	6945	78.64	320	Pass
215	7025	78.7	320	Pass

**802.11be (EHT160) 996+484-tone MRU 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
15	6025	124.08	320	Pass
79	6345	123.84	320	Pass
111	6505	124.15	320	Pass
143	6665	123.25	320	Pass
175	6825	123.1	320	Pass
207	6985	123.63	320	Pass

**802.11be (EHT160) 996+484+242-tone MRU 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
15	6025	160.43	320	Pass
79	6345	159.69	320	Pass
111	6505	160.27	320	Pass
143	6665	160.63	320	Pass
175	6825	160.64	320	Pass
207	6985	159.95	320	Pass

**802.11a 2TX**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	18.11	18.22	320	Pass
45	6175	18.32	18.16	320	Pass
93	6415	18.21	18.11	320	Pass
97	6435	18.12	18.07	320	Pass
105	6475	18.10	18.14	320	Pass
113	6515	18.10	18.11	320	Pass
117	6535	18.15	18.08	320	Pass
149	6695	18.03	18.10	320	Pass
181	6855	18.18	18.03	320	Pass
185	6875	18.17	18.16	320	Pass
209	6995	18.30	18.06	320	Pass
233	7115	18.04	18.15	320	Pass

**802.11be (EHT20) 2S2T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	19.82	19.81	320	Pass
45	6175	19.86	19.74	320	Pass
93	6415	19.78	19.77	320	Pass
97	6435	19.83	19.79	320	Pass
105	6475	19.79	19.81	320	Pass
113	6515	19.78	19.74	320	Pass
117	6535	19.80	19.80	320	Pass
149	6695	19.84	19.78	320	Pass
181	6855	19.84	19.80	320	Pass
185	6875	19.81	19.73	320	Pass
209	6995	19.78	19.77	320	Pass
233	7115	19.80	19.78	320	Pass

**802.11be (EHT40) 2S2T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
3	5965	39.67	39.64	320	Pass
43	6165	39.58	39.54	320	Pass
91	6405	39.53	39.65	320	Pass
99	6445	39.59	39.59	320	Pass
107	6485	39.63	39.50	320	Pass
115	6525	39.60	39.73	320	Pass
123	6565	39.54	39.48	320	Pass
155	6725	39.66	39.64	320	Pass
179	6845	39.52	39.58	320	Pass
187	6885	39.53	39.62	320	Pass
211	7005	39.55	39.71	320	Pass
227	7085	39.71	39.53	320	Pass

**802.11be (EHT80) 2S2T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
7	5985	80.07	80.05	320	Pass
39	6145	79.99	80.02	320	Pass
87	6385	79.93	80.01	320	Pass
103	6465	80.04	80.02	320	Pass
119	6545	79.97	79.92	320	Pass
151	6705	79.87	79.89	320	Pass
183	6865	79.96	79.85	320	Pass
199	6945	79.95	79.85	320	Pass
215	7025	79.91	79.85	320	Pass

**802.11be (EHT160) 2S2T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	161.92	161.88	320	Pass
47	6185	161.93	162.01	320	Pass
79	6345	161.96	161.83	320	Pass
111	6505	161.74	161.85	320	Pass
143	6665	161.79	161.85	320	Pass
175	6825	162.02	161.90	320	Pass
207	6985	162.13	161.88	320	Pass

**802.11be (EHT20) 26-tone RU 2S2T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	19.36	19.36	320	Pass
93	6415	19.51	19.39	320	Pass
97	6435	19.20	19.30	320	Pass
113	6515	19.52	19.38	320	Pass
117	6535	19.23	19.29	320	Pass
185	6875	19.45	19.38	320	Pass
209	6995	19.21	19.21	320	Pass
233	7115	19.46	19.28	320	Pass

**802.11be (EHT20) 52-tone RU 2S2T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	19.42	19.37	320	Pass
93	6415	19.65	19.55	320	Pass
97	6435	19.42	19.36	320	Pass
113	6515	19.65	19.52	320	Pass
117	6535	19.41	19.35	320	Pass
185	6875	19.59	19.51	320	Pass
209	6995	19.44	19.30	320	Pass
233	7115	19.65	19.41	320	Pass

**802.11be (EHT20) 106-tone RU 2S2T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	19.46	19.39	320	Pass
93	6415	19.90	19.63	320	Pass
97	6435	19.54	19.38	320	Pass
113	6515	19.92	19.66	320	Pass
117	6535	19.49	19.36	320	Pass
185	6875	19.92	19.64	320	Pass
209	6995	19.53	19.40	320	Pass
233	7115	19.86	19.68	320	Pass

**802.11be (EHT20) 52+26-tone MRU 2S2T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	18.62	18.58	320	Pass
93	6415	18.81	18.81	320	Pass
97	6435	18.79	18.62	320	Pass
113	6515	19.03	18.68	320	Pass
117	6535	18.81	18.68	320	Pass
185	6875	18.92	18.74	320	Pass
209	6995	18.79	18.66	320	Pass
233	7115	18.86	18.69	320	Pass

**802.11be (EHT20) 106+26-tone MRU 2S2T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	19.44	19.22	320	Pass
93	6415	19.28	19.34	320	Pass
97	6435	19.48	19.32	320	Pass
113	6515	19.31	19.23	320	Pass
117	6535	19.47	19.28	320	Pass
185	6875	19.35	19.26	320	Pass
209	6995	19.49	19.27	320	Pass
233	7115	19.48	19.13	320	Pass

**802.11be (EHT80) 484+242-tone MRU 2S2T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
7	5985	79.09	79.26	320	Pass
87	6385	79.86	78.64	320	Pass
103	6465	78.60	79.44	320	Pass
119	6545	78.82	78.96	320	Pass
183	6865	79.14	78.55	320	Pass
199	6945	79.55	78.48	320	Pass
215	7025	79.43	79.14	320	Pass

**802.11be (EHT160) 996+484-tone MRU 2S2T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	122.72	122.80	320	Pass
79	6345	122.82	123.21	320	Pass
111	6505	122.92	122.93	320	Pass
143	6665	122.98	123.04	320	Pass
175	6825	123.32	123.30	320	Pass
207	6985	122.83	123.07	320	Pass

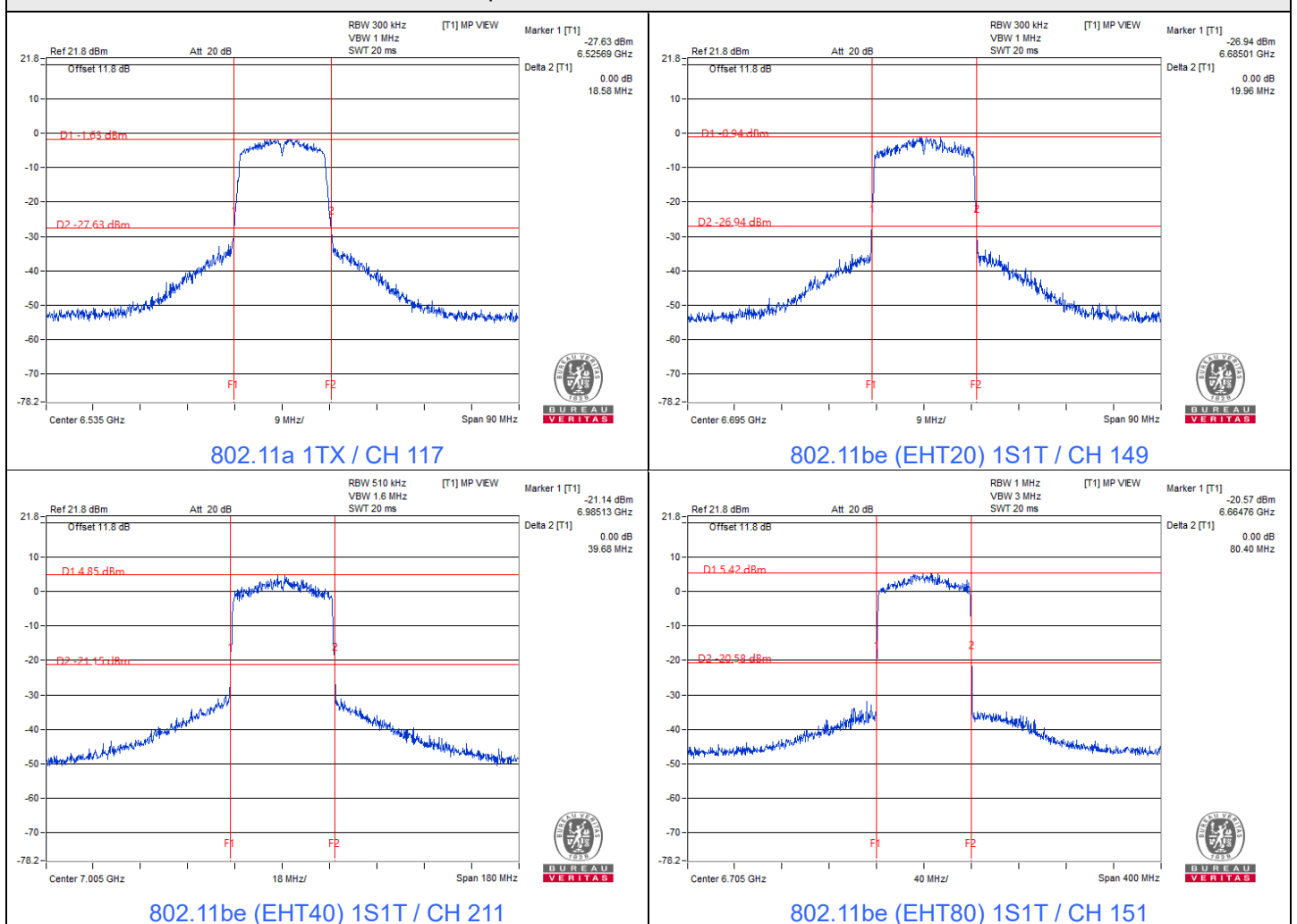




### 802.11be (EHT160) 996+484+242-tone MRU 2S2T

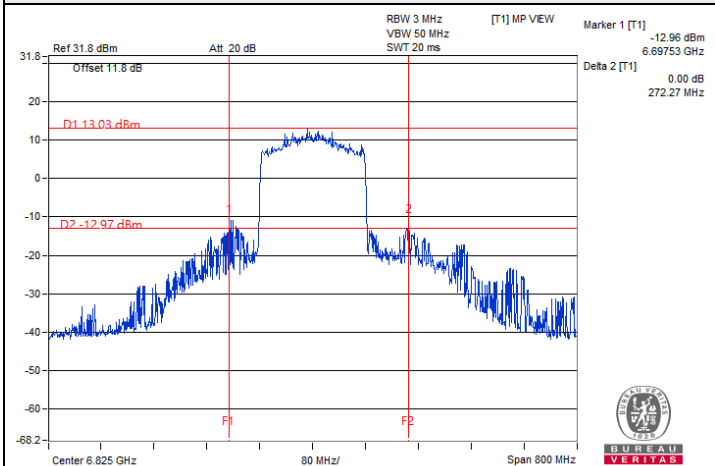
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	159.51	159.87	320	Pass
79	6345	160.25	159.31	320	Pass
111	6505	160.41	160.24	320	Pass
143	6665	160.50	159.14	320	Pass
175	6825	160.87	160.30	320	Pass
207	6985	160.68	160.13	320	Pass

### Spectrum Plot of Maximum Value

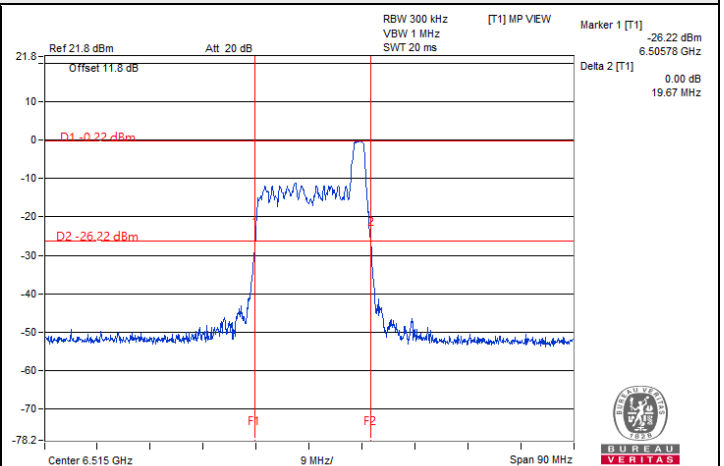




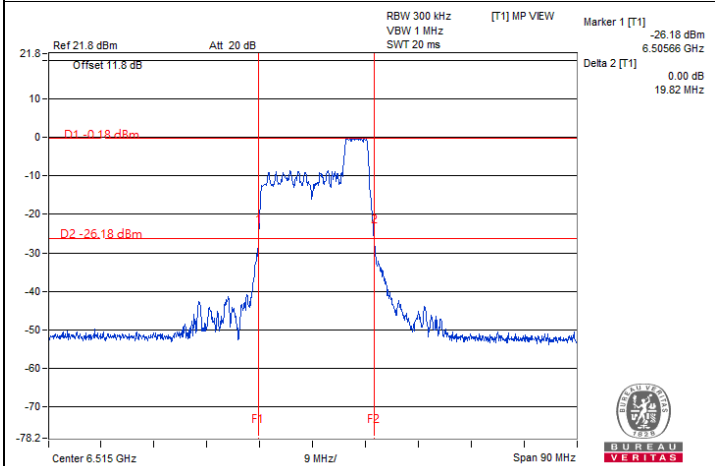
### Spectrum Plot of Maximum Value



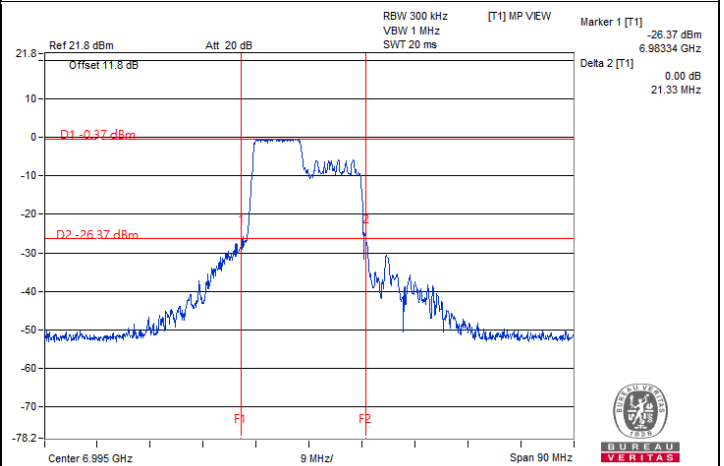
802.11be (EHT160) 1S1T / CH 175



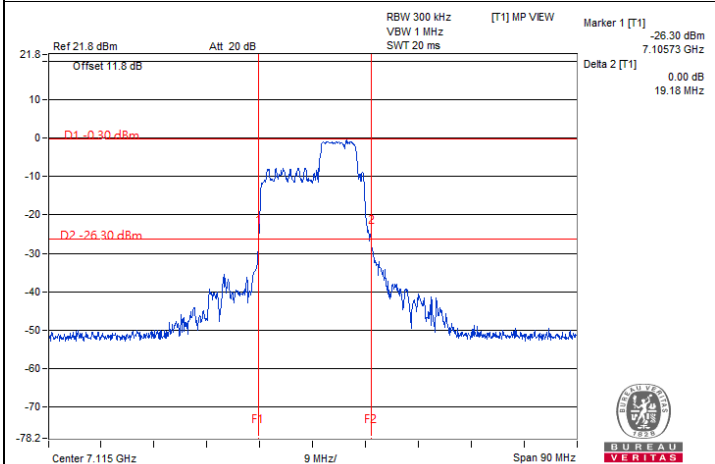
802.11be (EHT20) 26-tone RU 1S1T / CH 113



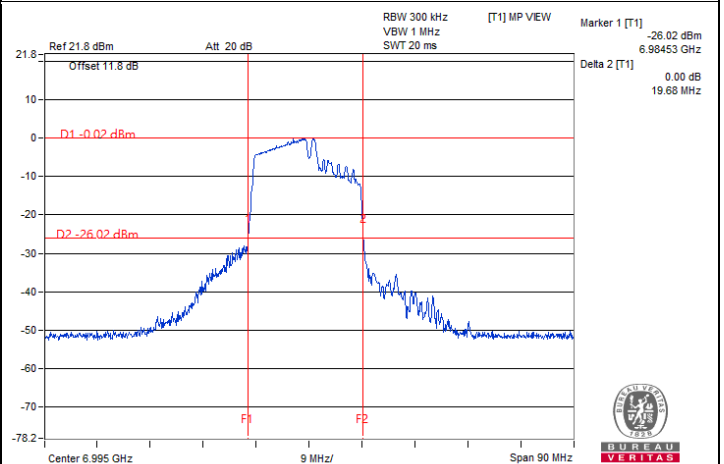
802.11be (EHT20) 52-tone RU 1S1T / CH 113



802.11be (EHT20) 106-tone RU 1S1T / CH 209



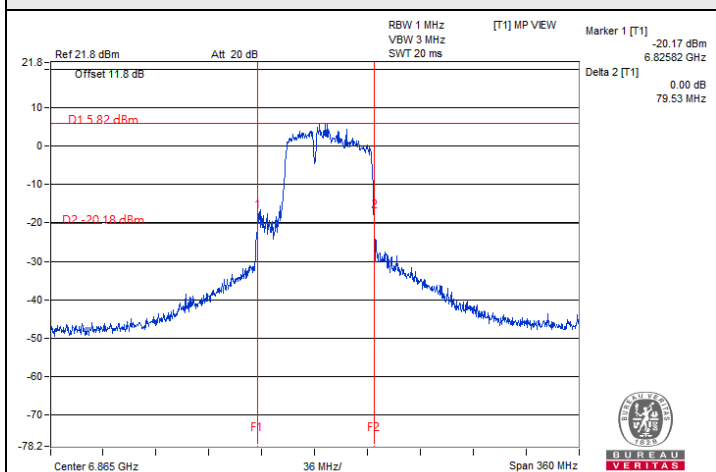
802.11be (EHT20) 52+26-tone MRU 1S1T / CH 233



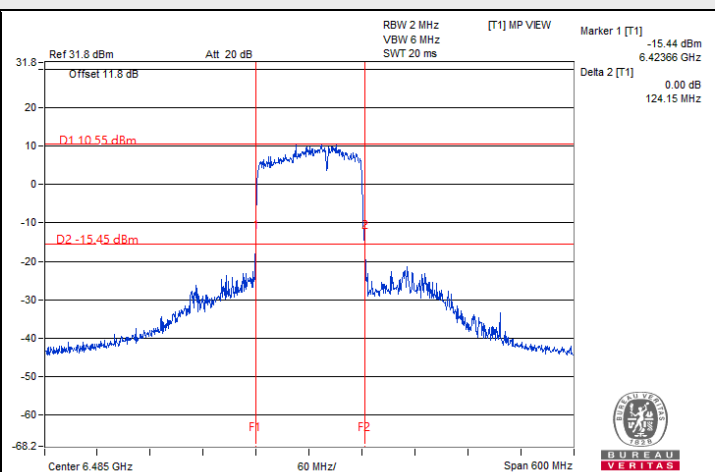
802.11be (EHT20) 106+26-tone MRU 1S1T / CH 209



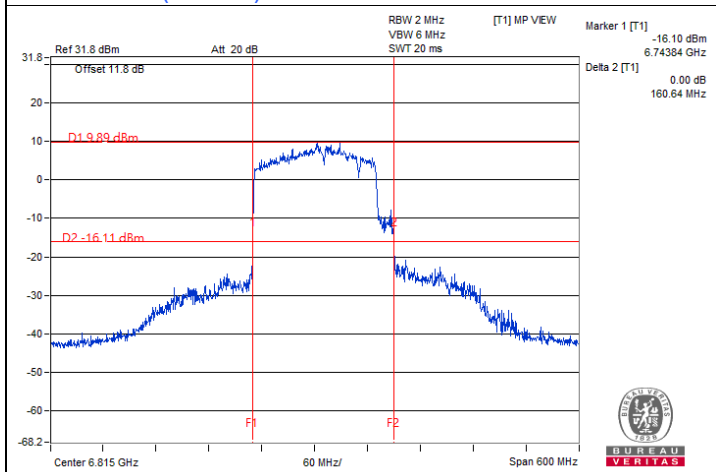
### Spectrum Plot of Maximum Value



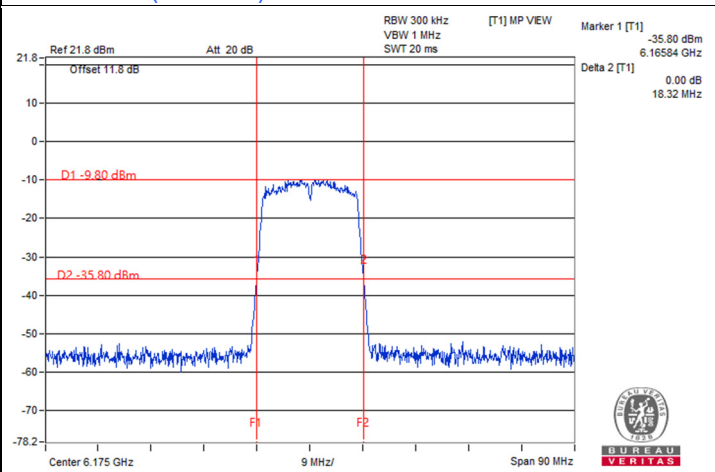
802.11be (EHT80) 484+242-tone MRU 1S1T / CH 183



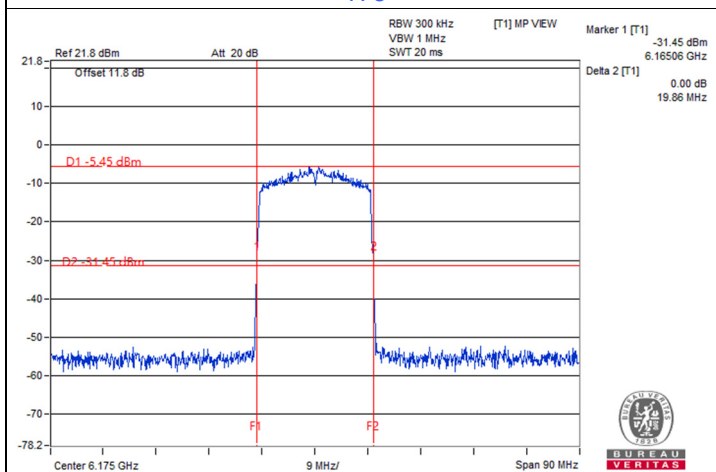
802.11be (EHT160) 996+484-tone MRU 1S1T / CH 111



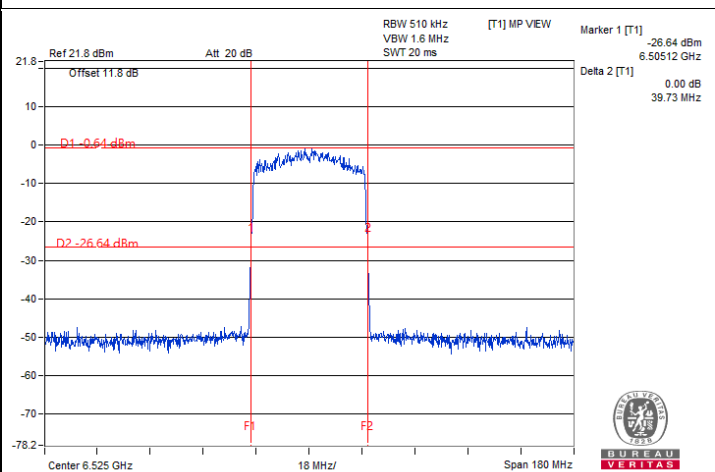
802.11be (EHT160) 996+484+242-tone MRU 1S1T / CH 175



802.11a 2TX / Chain 0 : CH 45

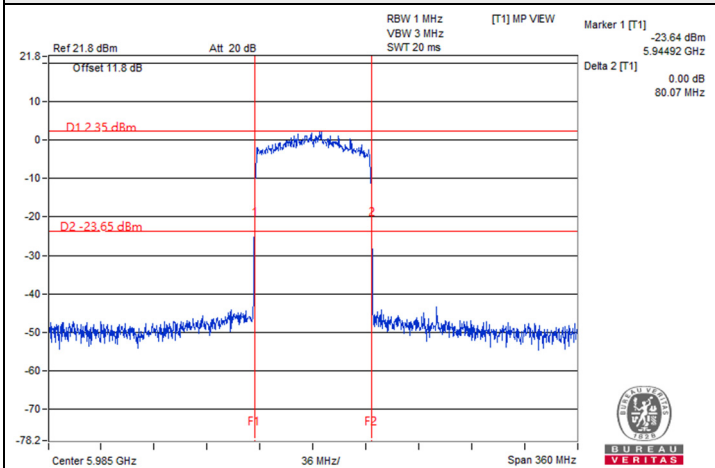


802.11be (EHT20) 2S2T / Chain 0 : CH 45

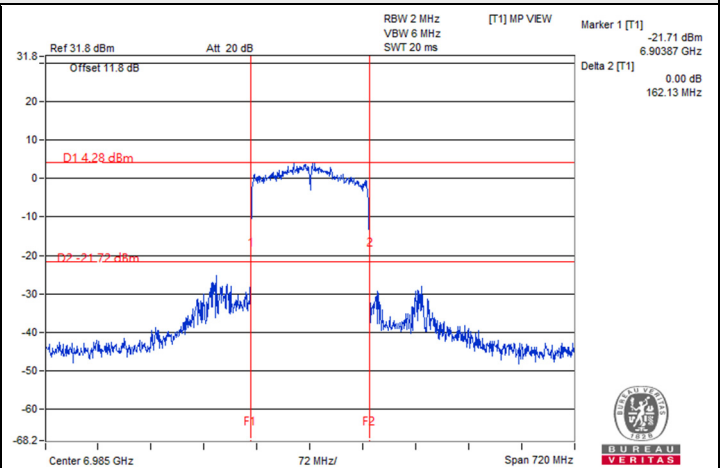


802.11be (EHT40) 2S2T / Chain 1 : CH 115

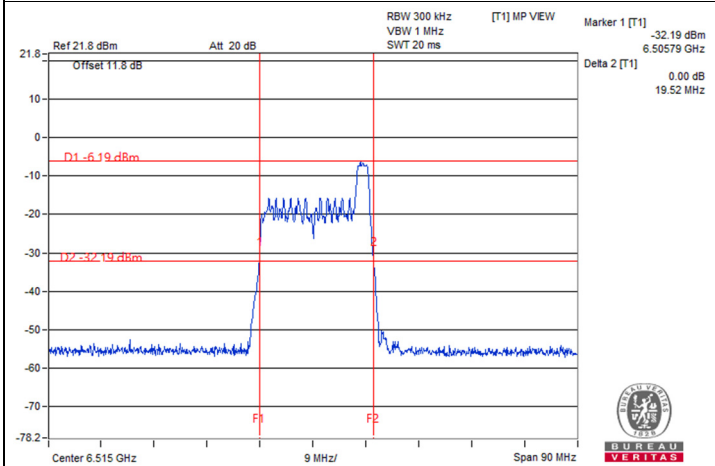
### Spectrum Plot of Maximum Value



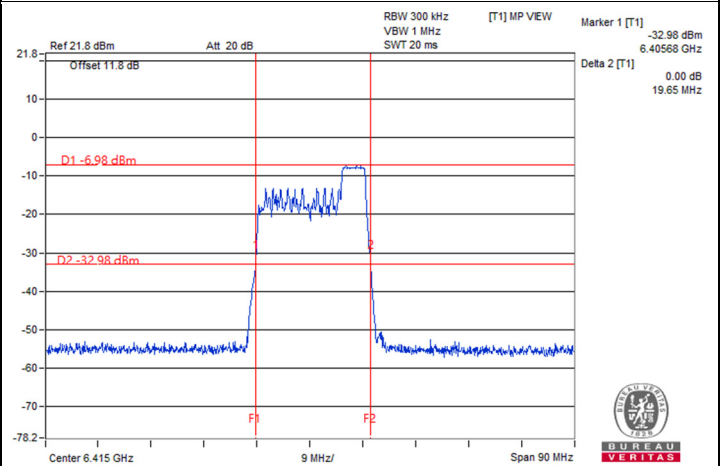
802.11be (EHT80) 2S2T / Chain 0 : CH 7



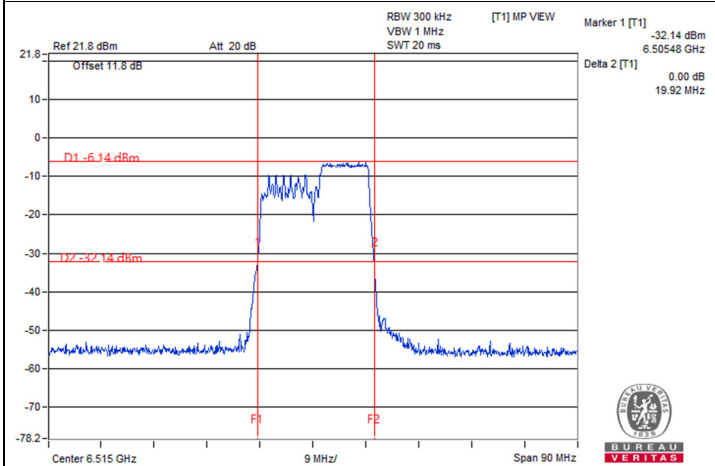
802.11be (EHT160) 2S2T / Chain 0 : CH 207



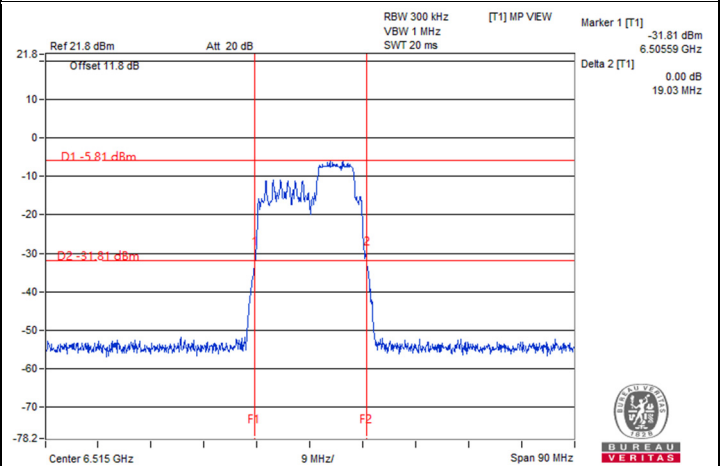
802.11be (EHT20) 26-tone RU 2S2T / Chain 0 : CH 113



802.11be (EHT20) 52-tone RU 2S2T / Chain 0 : CH 93

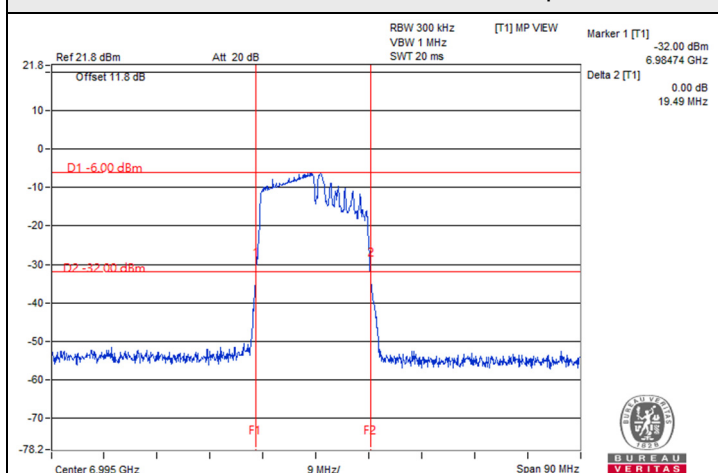


802.11be (EHT20) 106-tone RU 2S2T / Chain 0 : CH 113

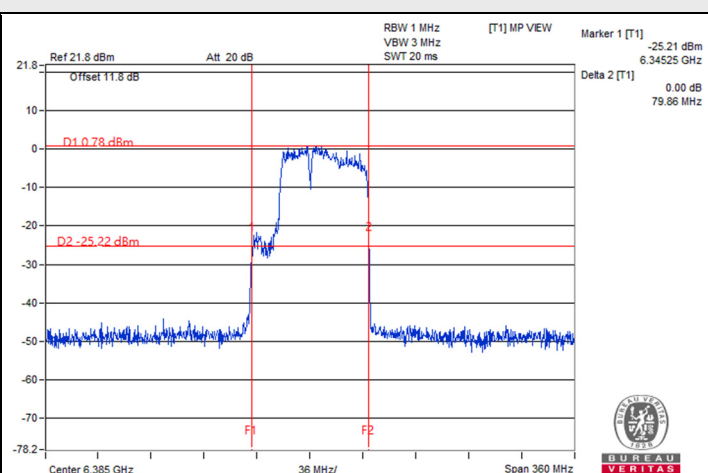


802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 0 : CH 113

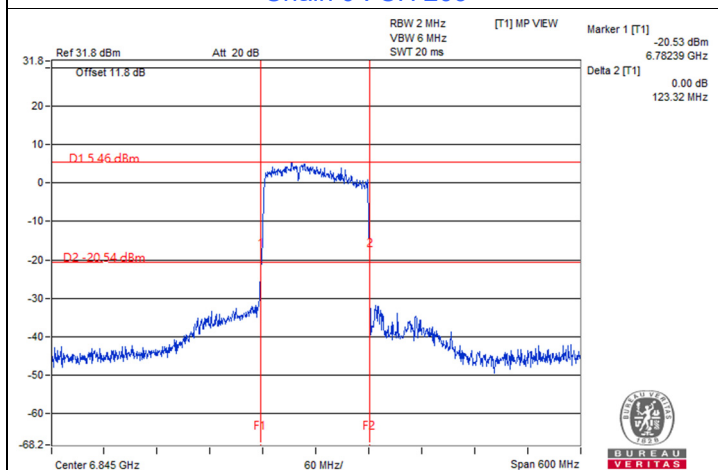
### Spectrum Plot of Maximum Value



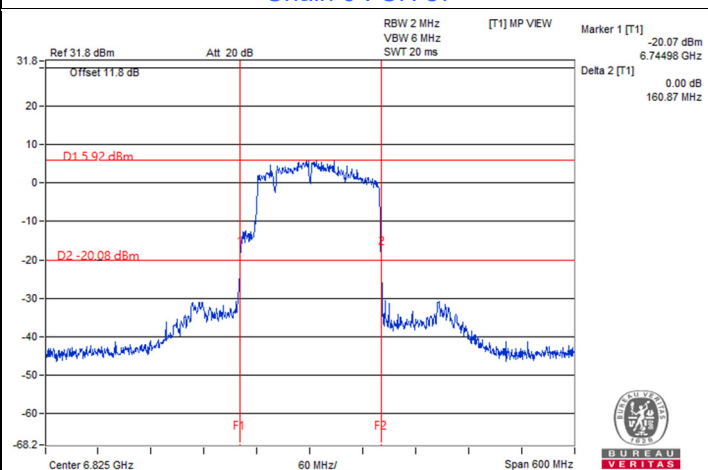
802.11be (EHT20) 106+26-tone MRU 2S2T /  
Chain 0 : CH 209



802.11be (EHT80) 484+242-tone MRU 2S2T /  
Chain 0 : CH 87



802.11be (EHT160) 996+484-tone MRU 2S2T /  
Chain 0 : CH 175



802.11be (EHT160) 996+484+242-tone MRU 2S2T /  
Chain 0 : CH 175

### Standard Power Client

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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### 802.11a 1TX

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	38.32	320	Pass
45	6175	38.31	320	Pass
93	6415	42.56	320	Pass
117	6535	42.72	320	Pass
149	6695	43.04	320	Pass
181	6855	42.71	320	Pass

### 802.11be (EHT20) 1S1T

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	40.51	320	Pass
45	6175	44.6	320	Pass
93	6415	43.42	320	Pass
117	6535	42.54	320	Pass
149	6695	44.05	320	Pass
181	6855	42.92	320	Pass

### 802.11be (EHT40) 1S1T

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
3	5965	39.54	320	Pass
43	6165	76.24	320	Pass
91	6405	83.35	320	Pass
123	6565	82.14	320	Pass
155	6725	79.83	320	Pass
179	6845	79.49	320	Pass

**802.11be (EHT80) 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
7	5985	80.53	320	Pass
39	6145	194.21	320	Pass
87	6385	182.22	320	Pass
135	6625	178.45	320	Pass
151	6705	193.1	320	Pass
167	6785	194.14	320	Pass

**802.11be (EHT160) 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
15	6025	308.03	320	Pass
47	6185	306.53	320	Pass
79	6345	309.9	320	Pass
143	6665	276.72	320	Pass

**802.11be (EHT20) 26-tone RU 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	19.5	320	Pass
93	6415	19.67	320	Pass
117	6535	19.49	320	Pass
181	6855	19.66	320	Pass

**802.11be (EHT20) 52-tone RU 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	19.89	320	Pass
93	6415	20.29	320	Pass
117	6535	21.32	320	Pass
181	6855	22.08	320	Pass

**802.11be (EHT20) 106-tone RU 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	25.33	320	Pass
93	6415	25.71	320	Pass
117	6535	29.15	320	Pass
181	6855	30.95	320	Pass

**802.11be (EHT20) 52+26-tone MRU 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	19.24	320	Pass
93	6415	21.25	320	Pass
117	6535	20.81	320	Pass
181	6855	24.81	320	Pass

**802.11be (EHT20) 106+26-tone MRU 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	24.14	320	Pass
93	6415	27.85	320	Pass
117	6535	31.61	320	Pass
181	6855	33.46	320	Pass

**802.11be (EHT80) 484+242-tone MRU 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
7	5985	79.61	320	Pass
87	6385	138.58	320	Pass
135	6625	138.04	320	Pass
167	6785	146.81	320	Pass



**802.11be (EHT160) 996+484-tone MRU 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
15	6025	127.79	320	Pass
79	6345	217.33	320	Pass
143	6665	267.89	320	Pass

**802.11be (EHT160) 996+484+242-tone MRU 1S1T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
15	6025	160.85	320	Pass
79	6345	277	320	Pass
143	6665	296.02	320	Pass

**802.11a 2TX**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	18.10	18.30	320	Pass
45	6175	18.18	18.26	320	Pass
93	6415	18.22	18.22	320	Pass
117	6535	18.45	18.16	320	Pass
149	6695	18.24	18.30	320	Pass
181	6855	18.32	19.08	320	Pass

**802.11be (EHT20) 2S2T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	27.98	28.07	320	Pass
45	6175	28.32	30.29	320	Pass
93	6415	29.57	29.16	320	Pass
117	6535	26.74	23.54	320	Pass
149	6695	29.34	33.33	320	Pass
181	6855	33.44	29.67	320	Pass

**802.11be (EHT40) 2S2T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
3	5965	45.42	60.56	320	Pass
43	6165	55.96	62.38	320	Pass
91	6405	53.02	60.01	320	Pass
123	6565	76.16	69.58	320	Pass
155	6725	67.54	69.39	320	Pass
179	6845	66.31	69.89	320	Pass

**802.11be (EHT80) 2S2T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
7	5985	80.01	80.26	320	Pass
39	6145	119.30	120.56	320	Pass
87	6385	144.05	138.53	320	Pass
135	6625	123.69	137.34	320	Pass
151	6705	148.40	159.51	320	Pass
167	6785	137.56	137.27	320	Pass

**802.11be (EHT160) 2S2T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	219.59	217.06	320	Pass
47	6185	254.71	307.83	320	Pass
79	6345	307.26	314.72	320	Pass
143	6665	293.37	290.80	320	Pass

**802.11be (EHT20) 26-tone RU 2S2T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	19.35	19.40	320	Pass
93	6415	19.53	19.37	320	Pass
117	6535	19.43	19.27	320	Pass
181	6855	19.51	19.46	320	Pass

**802.11be (EHT20) 52-tone RU 2S2T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	19.43	19.33	320	Pass
93	6415	19.60	19.58	320	Pass
117	6535	19.42	19.40	320	Pass
181	6855	19.67	19.62	320	Pass

**802.11be (EHT20) 106-tone RU 2S2T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	21.13	20.57	320	Pass
93	6415	20.45	21.69	320	Pass
117	6535	22.38	21.06	320	Pass
181	6855	23.63	23.81	320	Pass

**802.11be (EHT20) 52+26-tone MRU 2S2T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	18.83	18.81	320	Pass
93	6415	19.03	18.75	320	Pass
117	6535	19.24	18.75	320	Pass
181	6855	19.33	18.84	320	Pass

**802.11be (EHT20) 106+26-tone MRU 2S2T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	21.52	19.37	320	Pass
93	6415	19.90	19.94	320	Pass
117	6535	20.64	19.29	320	Pass
181	6855	19.83	19.60	320	Pass

**802.11be (EHT80) 484+242-tone MRU 2S2T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
7	5985	79.15	78.31	320	Pass
87	6385	98.70	104.44	320	Pass
135	6625	112.33	112.75	320	Pass
167	6785	140.58	125.21	320	Pass

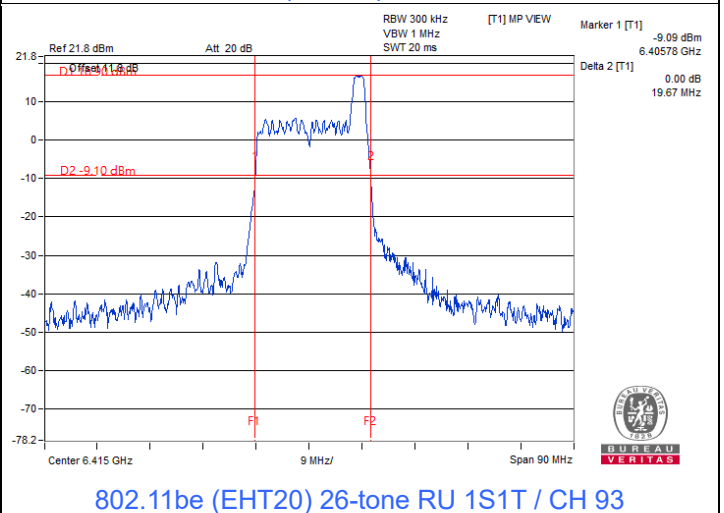
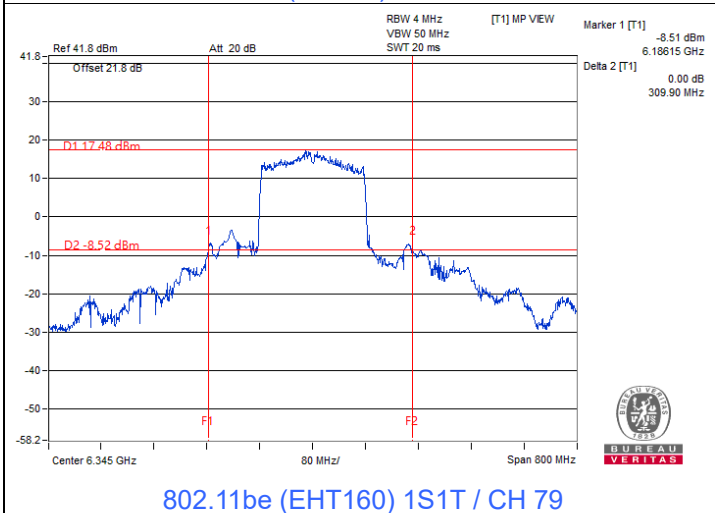
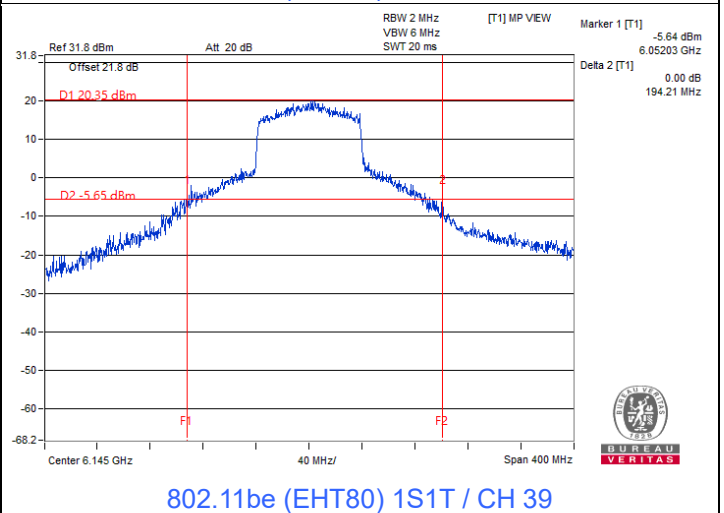
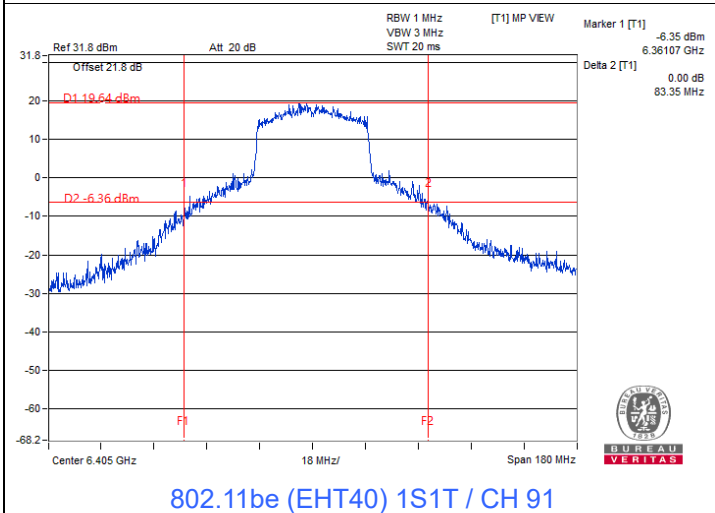
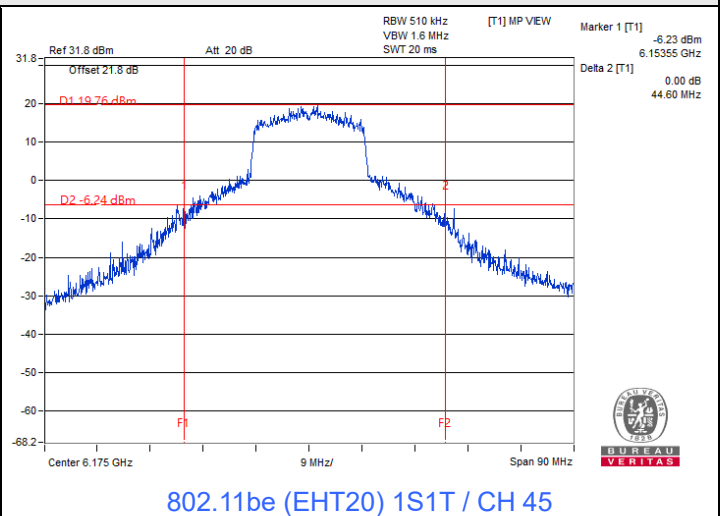
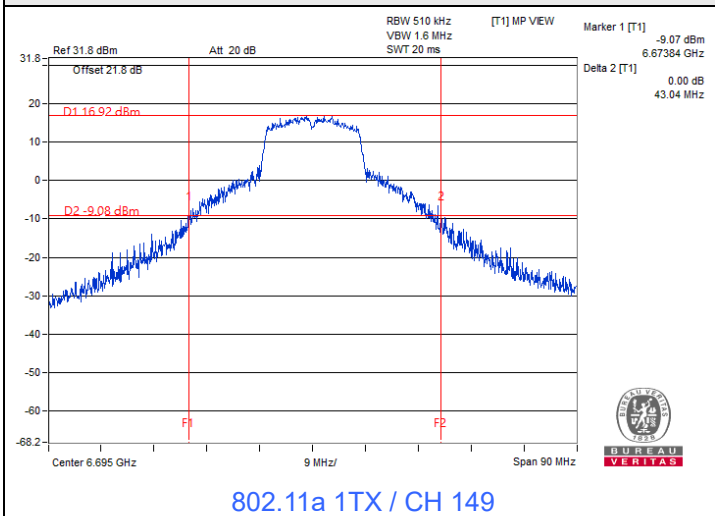
**802.11be (EHT160) 996+484-tone MRU 2S2T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	123.43	123.00	320	Pass
79	6345	193.74	177.83	320	Pass
143	6665	258.24	232.80	320	Pass

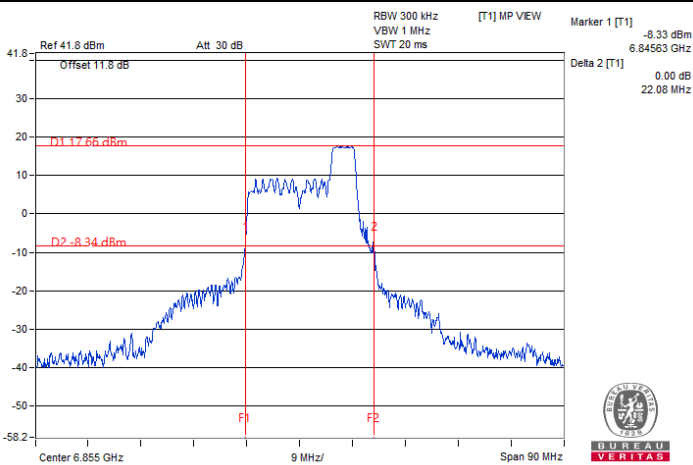
**802.11be (EHT160) 996+484+242-tone MRU 2S2T**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	159.91	159.86	320	Pass
79	6345	227.89	247.10	320	Pass
143	6665	286.12	281.70	320	Pass

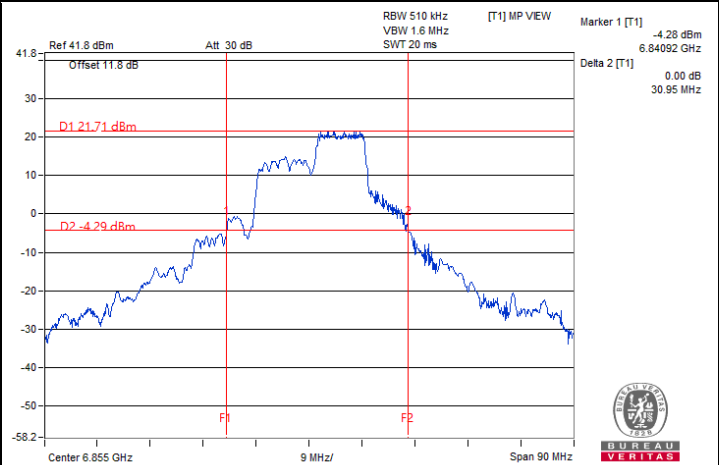
### Spectrum Plot of Maximum Value



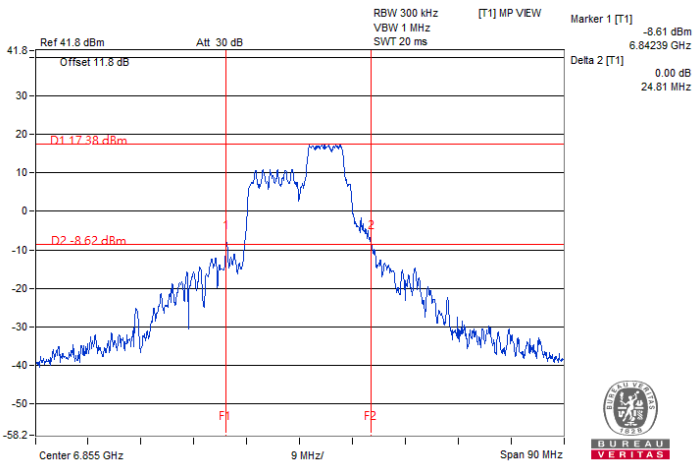
### Spectrum Plot of Maximum Value



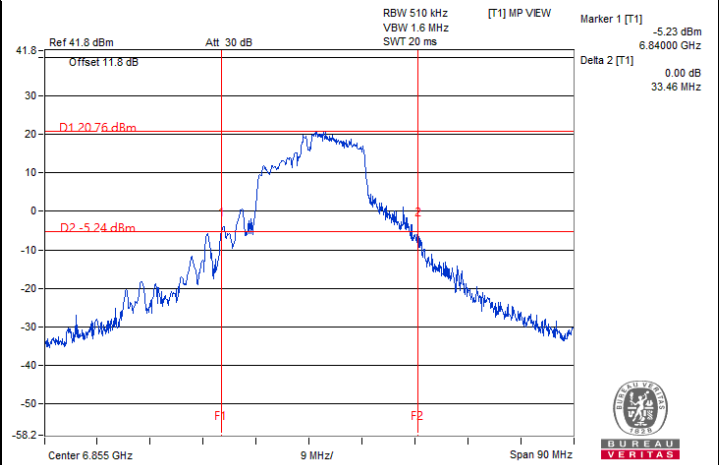
802.11be (EHT20) 52-tone RU 1S1T / CH 181



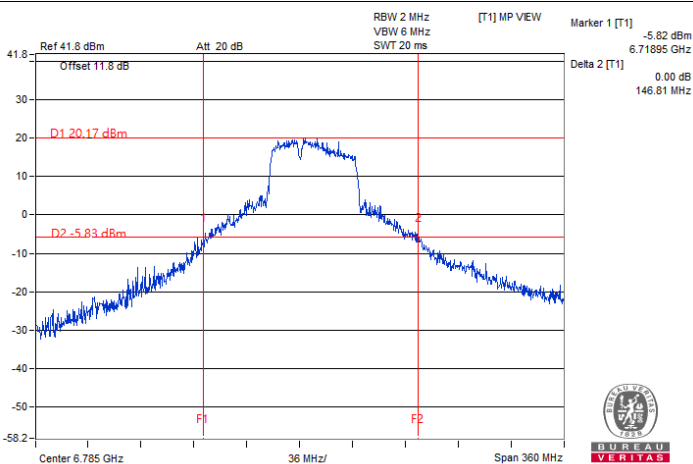
802.11be (EHT20) 106-tone RU 1S1T / CH 181



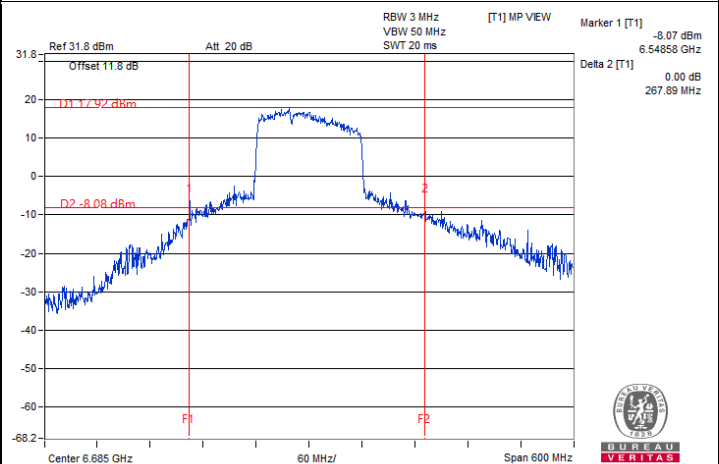
802.11be (EHT20) 52+26-tone MRU 1S1T / CH 181



802.11be (EHT20) 106+26-tone MRU 1S1T / CH 181



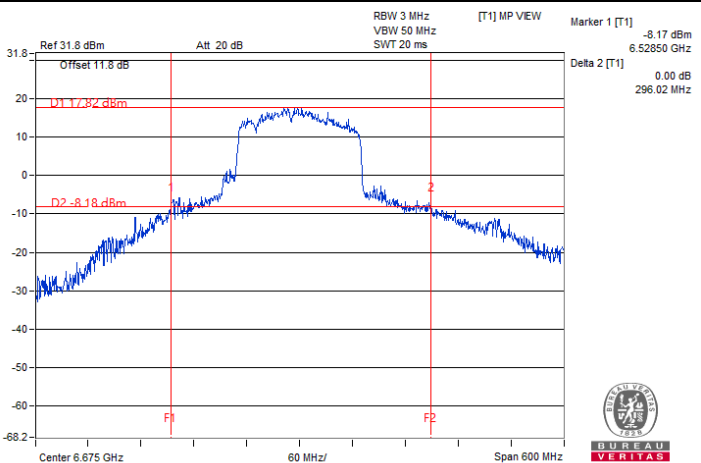
802.11be (EHT80) 484+242-tone MRU 1S1T / CH 167



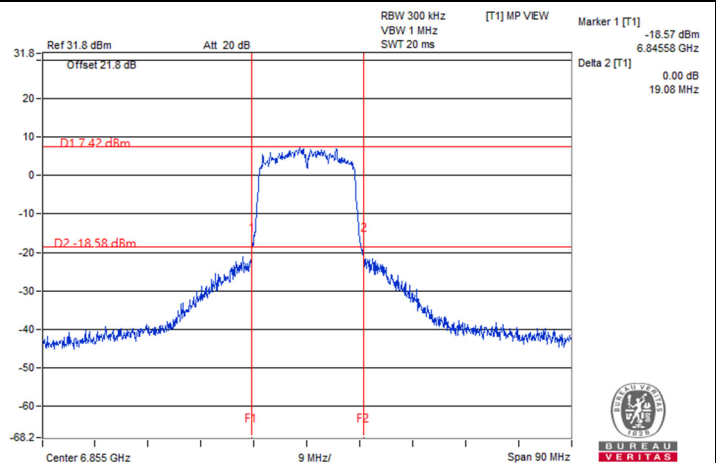
802.11be (EHT160) 996+484-tone MRU 1S1T / CH 143



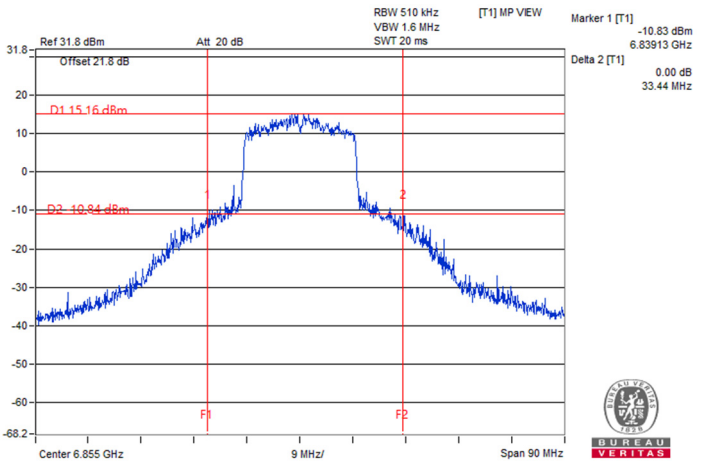
### Spectrum Plot of Maximum Value



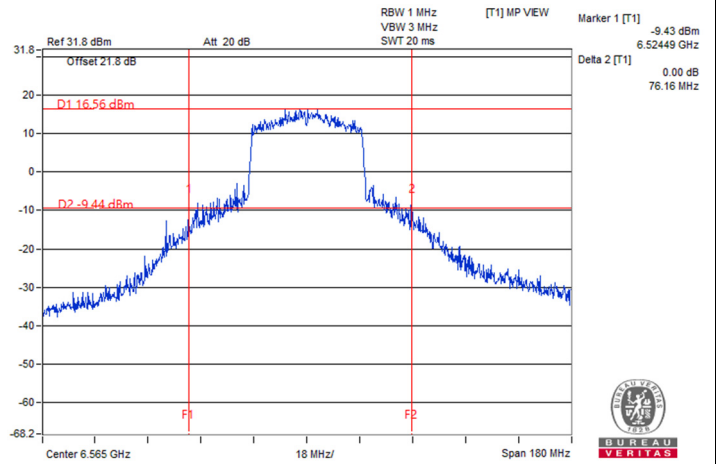
802.11be (EHT160) 996+484+242-tone MRU 1S1T / CH 143



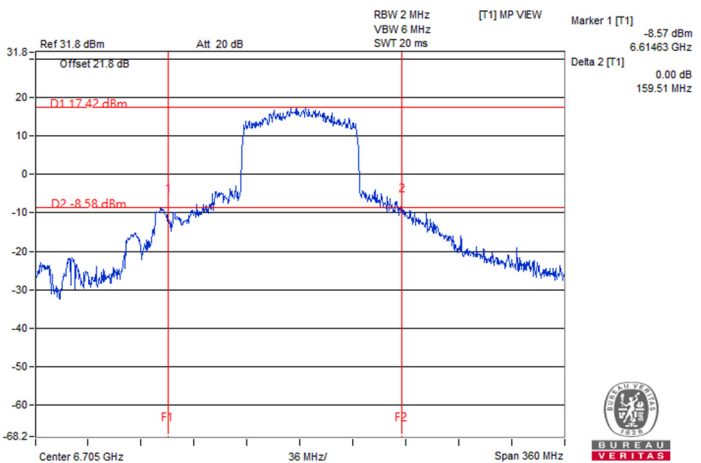
802.11a 2TX / Chain 1 : CH 181



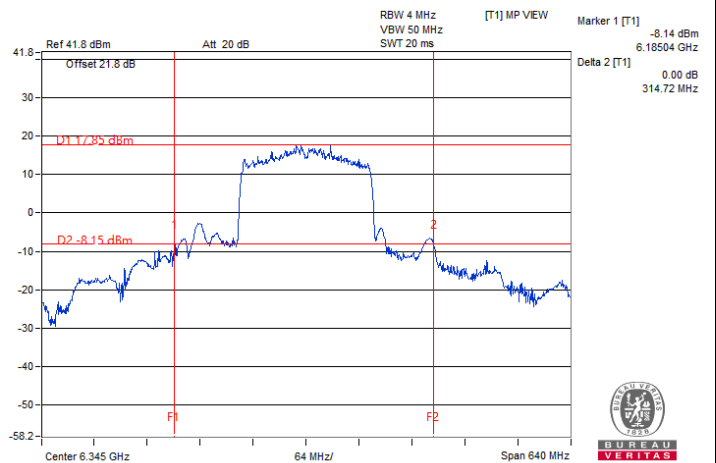
802.11be (EHT20) 2S2T / Chain 0 : CH 181



802.11be (EHT40) 2S2T / Chain 0 : CH 123

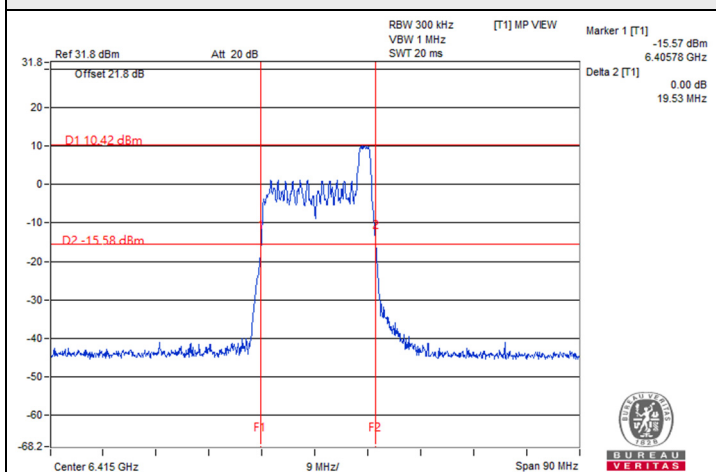


802.11be (EHT80) 2S2T / Chain 1 : CH 151

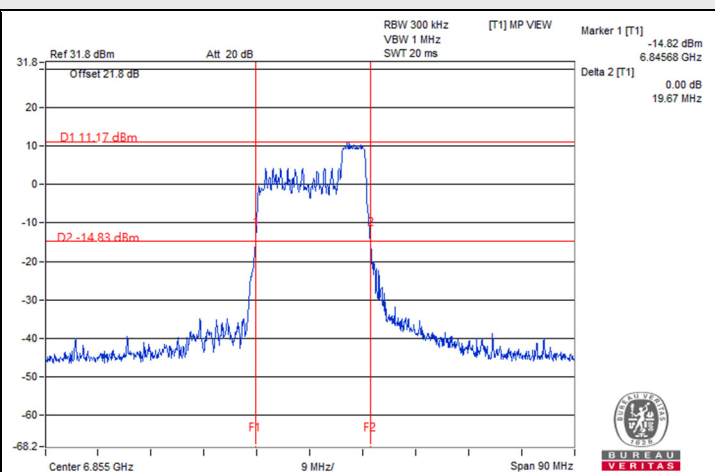


802.11be (EHT160) 2S2T / Chain 1 : CH 79

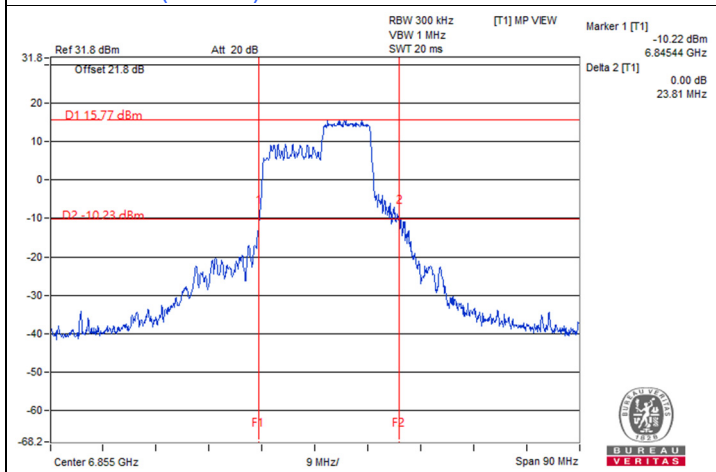
### Spectrum Plot of Maximum Value



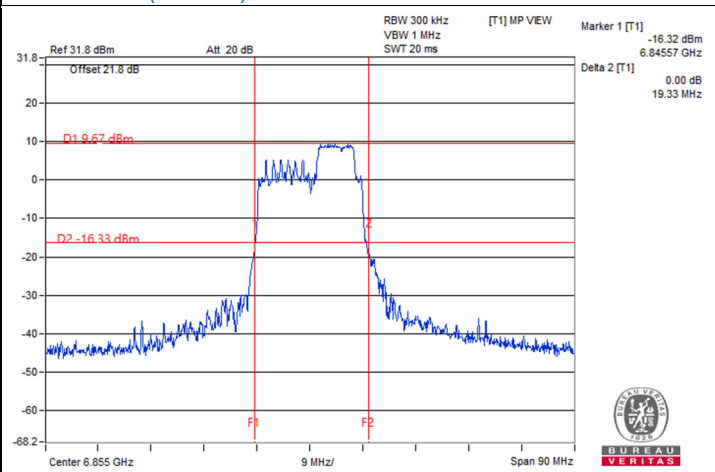
802.11be (EHT20) 26-tone RU 2S2T / Chain 0 : CH 93



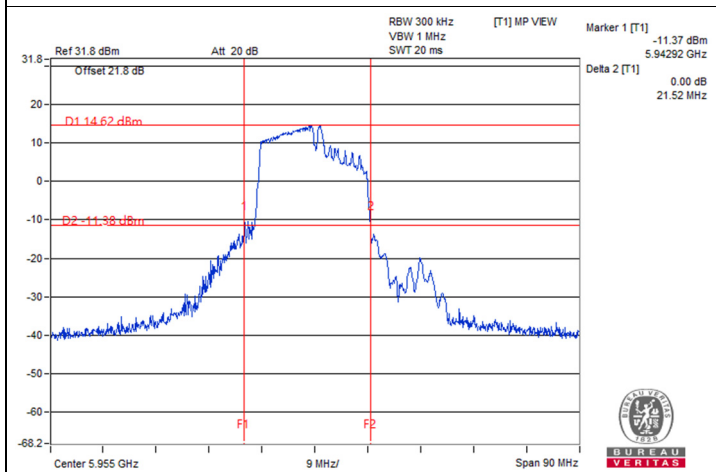
802.11be (EHT20) 52-tone RU 2S2T / Chain 0 : CH 181



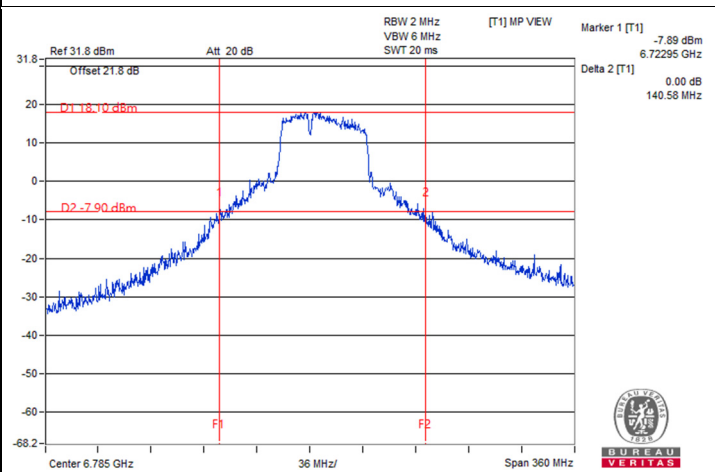
802.11be (EHT20) 106-tone RU 2S2T /  
Chain 1 : CH 181



802.11be (EHT20) 52+26-tone MRU 2S2T /  
Chain 0 : CH 181



802.11be (EHT20) 106+26-tone MRU 2S2T /  
Chain 0 : CH 1



802.11be (EHT80) 484+242-tone MRU 2S2T /  
Chain 0 : CH 167