

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBARR-WTW-P26020165-7
FCC ID: RAS-MT7928C14L
Product: 2TX 11be (WiFi7) BW160+BT/BLE Combo Card
Brand: MediaTek
Model No.: MT7928C14L
Received Date: 2026/2/21
Test Date: 2026/4/23 ~ 2026/7/31
Issued Date: 2026/8/19
Applicant: MediaTek Inc.
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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Hsin Chu Laboratory
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Test Location: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
FCC Registration / 723255 / TW2022
Designation Number:

Approved by: _____, **Date:** 2026/8/19
May Chen / Manager

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Prepared by : Phoenix Huang / Specialist



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Release Control Record

Issue No.	Description	Date Issued
RFBARR-WTW-P26020165-7	Original release.	2026/8/19

1 Certificate

Product: 2TX 11be (WiFi7) BW160+BT/BLE Combo Card
Brand: MediaTek
Test Model: MT7928C14L
Sample Status: Engineering sample
Applicant: MediaTek Inc.
Test Date: 2026/4/23 ~ 2026/7/31
Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Measurement procedure: ANSI C63.10-2020
KDB 987594 D02 U-NII 6 GHz EMC Measurement v03
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)(9)	Maximum RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(9)	Maximum Power Spectral Density	Pass	Meet the requirement of limit.
15.407(a)(11)	Emission Bandwidth	Pass	Meet the requirement of limit.
---	Occupied Bandwidth	-	Reference only.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -15.13 dB at 17.56640 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -5.1 dB at 199.16 MHz
15.407(b)(6) 15.407(b)(10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.02 dB at 7125 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(d)(10)	TPC mechanism	Pass	Meet the requirement of limit.
15.203	Antenna Requirement	Pass	Antenna connector is i-pex(MHF), R-SMA 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) (±)
Maximum RF Output Power	-	1.1 dB
Maximum Power Spectral Density	-	1.3 dB
Emission Bandwidth	-	1050.00 Hz
In-Band Emission Mask	9 kHz ~ 40 GHz	2.6 dB
Occupied Bandwidth	-	1050.00 Hz
Contention-based Protocol	-	2.7 dB
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	5.1 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	MT7928C14L
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	5.935 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): 60 802.11ax (HE40), 802.11be (EHT40): 29 802.11ax (HE80), 802.11be (EHT80): 14 802.11ax (HE160), 802.11be (EHT160): 7
Partial RU Mode	Single RU Multi-RU(Static preamble puncturing)
Channel Puncturing	Not support
Output Power	5.935 GHz ~ 6.415 GHz: EIRP: 24.997 mW (13.98 dBm) 6.435 GHz ~ 6.525 GHz: EIRP: 25.062 mW (13.99 dBm) 6.535 GHz ~ 6.865 GHz: EIRP: 25.01 mW (13.98 dBm) 6.875 GHz ~ 7.115 GHz: EIRP: 24.832 mW (13.95 dBm)
Equipment Class	6VL: 15E 6 GHz Very low power device

Note:

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

Combination	Technology		
1	WLAN (2.4 GHz)(WIFI1)		WLAN (5 GHz)(WIFI0)
2	WLAN (2.4 GHz)(WIFI1)		WLAN (5.9 GHz)(WIFI0)
3	WLAN (2.4 GHz)(WIFI1)		WLAN (6 GHz)(WIFI0)
4	BT(BT0)		BT(BT1)
5	WLAN (2.4 GHz)(2T)		BT (BT0)
6	WLAN (2.4 GHz)(WIFI0)		BT(BT0) + BT(BT1)
7	WLAN (2.4 GHz)(WIFI0)		BT(BT0)
8	WLAN (2.4 GHz)(WIFI0)		BT(BT1)
9	WLAN (2.4 GHz)(WIFI1)		BT(BT1)
10	WLAN (5 GHz) (2T)		BT(BT0) + BT(BT1)
11	WLAN (5 GHz) (2T)		BT (1T) <BT0 or BT1>
12	WLAN (5 GHz) (1T)		BT(BT0) + BT(BT1)
13	WLAN (5 GHz) (1T)		BT (1T) <BT0 or BT1>
14	WLAN (5.9 GHz) (2T)		BT(BT0) + BT(BT1)
15	WLAN (5.9 GHz) (2T)		BT (1T) <BT0 or BT1>
16	WLAN (5.9 GHz) (1T)		BT(BT0) + BT(BT1)
17	WLAN (5.9 GHz) (1T)		BT (1T) <BT0 or BT1>
18	WLAN (6 GHz) (2T)		BT(BT0) + BT(BT1)
19	WLAN (6 GHz) (2T)		BT (1T) <BT0 or BT1>
20	WLAN (6 GHz) (1T)		BT(BT0) + BT(BT1)
21	WLAN (6 GHz) (1T)		BT (1T) <BT0 or BT1>
Combination	Technology		
22	WLAN (2.4 GHz)(WIFI1)	WLAN (5 GHz)(WIFI0)	BT(BT1)
23	WLAN (2.4 GHz)(WIFI1)	WLAN (5.9 GHz)(WIFI0)	BT(BT1)
24	WLAN (2.4 GHz)(WIFI1)	WLAN (6 GHz)(WIFI0)	BT(BT1)

Note:

1. The emission of the simultaneous operation has been evaluated and no non-compliance was found.
2. BT0 and BT1 cannot operate on the same frequency simultaneously.
3. 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.

Ant. No.	RF Chain No.	Brand	Model	Ant. Net Gain (dBi)	Frequency Range (GHz)	Ant. Type	Connector Type	Cable Length (mm)	Cable Loss (dB)	Excluding Cable Loss Ant. Gain (dBi)
1	Chain0	PSA	RFMTA340718EMLB302	3.18 4.92	2.4~2.4835 5.15~5.895	PIFA	i-pex(MHF)	200	-	-
	Chain1	PSA	RFMTA340718EMLB302	3.18 4.92	2.4~2.4835 5.15~5.895	PIFA	i-pex(MHF)	200	-	-
2	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	-	-
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	R-SMA (RF cable: R-SMA to Ipex)	40	0.5 0.5 0.5 0.5 0.5	2.12 3.7 4.43 4.11 4.11 3.64
	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	R-SMA (RF cable: R-SMA to Ipex)	40	0.5 0.5 0.5 0.5 0.5	2.12 3.7 4.43 4.11 4.11 3.64
4	Chain0	Cortec	AM2450-4902BRS	2.42 3.87	2.4~2.4835 5.15~5.895	Dipole	R-SMA (RF cable: R-SMA to Ipex)	150	0.5 0.8	2.92 4.67
	Chain1	Cortec	AM2450-4902BRS	2.42 3.87	2.4~2.4835 5.15~5.895	Dipole	R-SMA (RF cable: R-SMA to Ipex)	150	0.5 0.8	2.92 4.67

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

2. The EUT incorporates a MIMO function:

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

Note: After investigation, 802.11be mode 20 MHz (40 MHz, 80 MHz, 160 MHz) represents the worst mode in the report since the power setting is the same or higher than 802.11ax mode 20 MHz (40 MHz, 80 MHz, 160 MHz), and the modulation type and bandwidth are all similar.

3.3 MRU Configuration

Small MRU	
Tone-plan	EUT supported (Y/N)
52+26-tone	Yes
106+26-tone	Yes
Note: The EUT supports both 52+26-tone and 106+26-tone small MRU tone-plans across all applicable bandwidths (20/40/80/160 MHz). The detailed MRU allocations are defined in the IEEE 802.11be specification. The worst-case configuration identified during pretest is presented in this report.	

EHT PPDU Large MRU/ Preamble Puncturing Configuration					
PPDU BW (MHz)	Tone-plan	MRU index	RU allocation	MRU (Y/N)	Channel puncturing (Y/N)
80	484+242-tone	1	242@s2 + 484@s3-4	Yes	No
		2	242@s1 + 484@s3-4	Yes	No
		3	484@s1-2 + 242@s4	Yes	No
		4	484@s1-2 + 242@s3	Yes	No
160	996+484-tone	1	484@s3-4 + 996@s5-8	Yes	No
		2	484@s1-2 + 996@s5-8	Yes	No
		3	996@s1-4 + 484@s7-8	Yes	No
		4	996@s1-4 + 484@s5-6	Yes	No
	996+484+242-tone	1	242@s2 + 484@s3-4 + 996@s5-8	Yes	No
		2	242@s1 + 484@s3-4 + 996@s5-8	Yes	No
		3	484@s1-2 + 242@s4 + 996@s5-8	Yes	No
		4	484@s1-2 + 242@s3 + 996@s5-8	Yes	No
		5	996@s1-4 + 242@s6 + 484@s7-8	Yes	No
		6	996@s1-4 + 242@s5 + 484@s7-8	Yes	No
		7	996@s1-4 + 484@s5-6 + 242@s8	Yes	No
		8	996@s1-4 + 484@s5-6 + 242@s7	Yes	No
Note: For an EHT PPDU with a bandwidth of 80, 160 MHz, the occupied bandwidth is divided into 20-MHz subchannels (242-tone RU slots), indexed from low frequency to high frequency as s1, s2, ..., sN, where N = 4 for 80 MHz, N = 8 for 160 MHz. In the RU allocation column, 242 denotes a 242-tone RU, 484 denotes a 484-tone RU, and 996 denotes a 996-tone RU. A 242-tone RU corresponds to one 20-MHz subchannel, a 484-tone RU corresponds to two adjacent 20-MHz subchannels, and a 996-tone RU corresponds to four adjacent 20-MHz subchannels. The MRU index definitions are based on the IEEE 802.11be specification.					

The EUT support OFDMA and Partial RU mode, therefore partial RU combination were investigated and the worst case scenario was identified. (The worst case data were presented in section 3.5)

3.4 Channel List

U-NII-5:

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

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
2	5935 MHz	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:

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:

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:

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.

3.5 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). 2. The worst-case Partial RU modes across all supported bandwidth modes has been determined via pre-scan. The worst case occurs in 20 MHz bandwidth (RU 26/52/106). 3. For 1Tx diversity configuration, transmit chain 0 and chain 1 have been evaluated, the chain 0 was the worst case and chosen for representative test.
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Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate	RU/MRU Index
Maximum RF Output Power	A	802.11a	1Tx / 2Tx	2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	NA
		802.11ax (HE20)	1S1T / 2S2T	2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
		802.11ax (HE40)	1S1T / 2S2T	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	NA
		802.11ax (HE80)	1S1T / 2S2T	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0	NA
		802.11ax (HE160)	1S1T / 2S2T	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
		802.11be (EHT20)	1S1T / 2S2T	2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
		802.11be (EHT40)	1S1T / 2S2T	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	NA
		802.11be (EHT80)	1S1T / 2S2T	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0	NA
		802.11be (EHT160)	1S1T / 2S2T	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
		802.11ax (HE20) 26-tone RU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	0, 0, 8, 0, 8, 0, 8, 0, 8
		802.11ax (HE20) 52-tone RU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	37, 37, 40, 37, 40, 37, 40, 37, 40
		802.11ax (HE20) 106-tone RU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	53, 53, 54, 53, 54, 53, 54, 53, 54
		802.11be (EHT20) 26-tone RU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	0, 0, 8, 0, 8, 0, 8, 0, 8
		802.11be (EHT20) 52-tone RU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	37, 37, 40, 37, 40, 37, 40, 37, 40
		802.11be (EHT20) 106-tone RU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	53, 53, 54, 53, 54, 53, 54, 53, 54
		802.11be (EHT20) 52+26-tone MRU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	70, 70, 72, 70, 72, 70, 72, 70, 72
		802.11be (EHT20) 106+26-tone MRU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	82, 82, 83, 82, 83, 82, 83, 82, 83

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate	RU/MRU Index
Maximum RF Output Power	A	802.11be (EHT80) 484+242-tone MRU	1S1T / 2S2T	7, 87, 103, 119, 183, 199, 215	BPSK	MCS0	93, 90, 93, 93, 90, 93, 90
		802.11be (EHT160) 996+484-tone MRU	1S1T / 2S2T	15, 79, 111, 143, 175, 207	BPSK	MCS0	95-1, 94- 0, 95-1, 95-1, 94- 0, 94-0
		802.11be (EHT160) 996+484+242-tone MRU	1S1T / 2S2T	15, 79, 111, 143, 175, 207	BPSK	MCS0	99-1, 96- 0, 99-1, 99-1, 96- 0, 96-0
Maximum Power Spectral Density	A	802.11a	1Tx / 2Tx	2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	NA
		802.11be (EHT20)	1S1T / 2S2T	2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
		802.11be (EHT40)	1S1T / 2S2T	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	NA
		802.11be (EHT80)	1S1T / 2S2T	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0	NA
		802.11be (EHT160)	1S1T / 2S2T	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	0, 0, 8, 0, 8, 0, 8, 0, 8
		802.11be (EHT20) 52-tone RU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	37, 37, 40, 37, 40, 37, 40, 37, 40
		802.11be (EHT20) 106-tone RU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	53, 53, 54, 53, 54, 53, 54, 53, 54
		802.11be (EHT20) 52+26-tone MRU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	70, 70, 72, 70, 72, 70, 72, 70, 72
		802.11be (EHT20) 106+26-tone MRU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	82, 82, 83, 82, 83, 82, 83, 82, 83
		802.11be (EHT80) 484+242-tone MRU	1S1T / 2S2T	7, 87, 103, 119, 183, 199, 215	BPSK	MCS0	93, 90, 93, 93, 90, 93, 90
		802.11be (EHT160) 996+484-tone MRU	1S1T / 2S2T	15, 79, 111, 143, 175, 207	BPSK	MCS0	95-1, 94- 0, 95-1, 95-1, 94- 0, 94-0
		802.11be (EHT160) 996+484+242-tone MRU	1S1T / 2S2T	15, 79, 111, 143, 175, 207	BPSK	MCS0	99-1, 96- 0, 99-1, 99-1, 96- 0, 96-0

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate	RU/MRU Index
Emission Bandwidth	A	802.11a	1Tx / 2Tx	2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	NA
		802.11be (EHT20)	1S1T / 2S2T	2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
		802.11be (EHT40)	1S1T / 2S2T	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	NA
		802.11be (EHT80)	1S1T / 2S2T	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0	NA
		802.11be (EHT160)	1S1T / 2S2T	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	0, 0, 8, 0, 8, 0, 8, 0, 8
		802.11be (EHT20) 52-tone RU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	37, 37, 40, 37, 40, 37, 40, 37, 40
		802.11be (EHT20) 106-tone RU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	53, 53, 54, 53, 54, 53, 54, 53, 54
		802.11be (EHT20) 52+26-tone MRU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	70, 70, 72, 70, 72, 70, 72, 70, 72
		802.11be (EHT20) 106+26-tone MRU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	82, 82, 83, 82, 83, 82, 83, 82, 83
		802.11be (EHT80) 484+242-tone MRU	1S1T / 2S2T	7, 87, 103, 119, 183, 199, 215	BPSK	MCS0	93, 90, 93, 93, 90, 93, 90
		802.11be (EHT160) 996+484-tone MRU	1S1T / 2S2T	15, 79, 111, 143, 175, 207	BPSK	MCS0	95-1, 94-0, 95-1, 95-1, 94-0, 94-0
		802.11be (EHT160) 996+484+242-tone MRU	1S1T / 2S2T	15, 79, 111, 143, 175, 207	BPSK	MCS0	99-1, 96-0, 99-1, 99-1, 96-0, 96-0
In-Band Emission Mask	A	802.11a	1Tx / 2Tx	2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	NA
		802.11be (EHT20)	1S1T / 2S2T	2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
		802.11be (EHT40)	1S1T / 2S2T	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	NA
		802.11be (EHT80)	1S1T / 2S2T	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0	NA
		802.11be (EHT160)	1S1T / 2S2T	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	0, 0, 8, 0, 8, 0, 8, 0, 8
		802.11be (EHT20) 52-tone RU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	37, 37, 40, 37, 40, 37, 40, 37, 40
		802.11be (EHT20) 106-tone RU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	53, 53, 54, 53, 54, 53, 54, 53, 54

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate	RU/MRU Index
In-Band Emission Mask	A	802.11be (EHT20) 52+26-tone MRU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	70, 70, 72, 70, 72, 70, 72, 70, 72
		802.11be (EHT20) 106+26-tone MRU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	82, 82, 83, 82, 83, 82, 83, 82, 83
		802.11be (EHT80) 484+242-tone MRU	1S1T / 2S2T	7, 87, 103, 119, 183, 199, 215	BPSK	MCS0	93, 90, 93, 93, 90, 93, 90
		802.11be (EHT160) 996+484-tone MRU	1S1T / 2S2T	15, 79, 111, 143, 175, 207	BPSK	MCS0	95-1, 94-0, 95-1, 95-1, 94-0, 94-0
		802.11be (EHT160) 996+484+242-tone MRU	1S1T / 2S2T	15, 79, 111, 143, 175, 207	BPSK	MCS0	99-1, 96-0, 99-1, 99-1, 96-0, 96-0
Occupied Bandwidth	A	802.11a	1Tx / 2Tx	2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	NA
		802.11be (EHT20)	1S1T / 2S2T	2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
		802.11be (EHT40)	1S1T / 2S2T	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	NA
		802.11be (EHT80)	1S1T / 2S2T	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0	NA
		802.11be (EHT160)	1S1T / 2S2T	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	0, 0, 8, 0, 8, 0, 8, 0, 8
		802.11be (EHT20) 52-tone RU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	37, 37, 40, 37, 40, 37, 40, 37, 40
		802.11be (EHT20) 106-tone RU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	53, 53, 54, 53, 54, 53, 54, 53, 54
		802.11be (EHT20) 52+26-tone MRU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	70, 70, 72, 70, 72, 70, 72, 70, 72
		802.11be (EHT20) 106+26-tone MRU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	82, 82, 83, 82, 83, 82, 83, 82, 83
		802.11be (EHT80) 484+242-tone MRU	1S1T / 2S2T	7, 87, 103, 119, 183, 199, 215	BPSK	MCS0	93, 90, 93, 93, 90, 93, 90
		802.11be (EHT160) 996+484-tone MRU	1S1T / 2S2T	15, 79, 111, 143, 175, 207	BPSK	MCS0	95-1, 94-0, 95-1, 95-1, 94-0, 94-0
		802.11be (EHT160) 996+484+242-tone MRU	1S1T / 2S2T	15, 79, 111, 143, 175, 207	BPSK	MCS0	99-1, 96-0, 99-1, 99-1, 96-0, 96-0

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate	RU/MRU Index
Contention-based Protocol	-	802.11be (EHT20)	-	45, 105, 149, 209	BPSK	MCS0	NA
		802.11be (EHT160)	-	47, 111, 143, 207	BPSK	MCS0	NA
AC Power Conducted Emissions	C	802.11be (EHT160)	2S2T	111	BPSK	MCS0	NA
Unwanted Emissions below 1 GHz	A, B	802.11be (EHT160)	1S1T	111	BPSK	MCS0	NA
		802.11be (EHT160)	2S2T	111	BPSK	MCS0	NA
Unwanted Emissions above 1 GHz	A, B	802.11a	1Tx / 2Tx	2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	NA
		802.11be (EHT20)	1S1T / 2S2T	2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
		802.11be (EHT40)	1S1T / 2S2T	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	NA
		802.11be (EHT80)	1S1T / 2S2T	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0	NA
		802.11be (EHT160)	1S1T / 2S2T	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	0, 0, 8, 0, 8, 0, 8, 0, 8
		802.11be (EHT20) 52-tone RU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	37, 37, 40, 37, 40, 37, 40, 37, 40
		802.11be (EHT20) 106-tone RU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	53, 53, 54, 53, 54, 53, 54
		802.11be (EHT20) 52+26-tone MRU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	70, 70, 72, 70, 72, 70, 72
		802.11be (EHT20) 106+26-tone MRU	1S1T / 2S2T	2, 1, 93, 97, 113, 117, 185, 209, 233	BPSK	MCS0	82, 82, 83, 82, 83, 82, 83
		802.11be (EHT80) 484+242-tone MRU	1S1T / 2S2T	7, 87, 103, 119, 183, 199, 215	BPSK	MCS0	93, 90, 93, 93, 90, 93, 90
		802.11be (EHT160) 996+484-tone MRU	1S1T / 2S2T	15, 79, 111, 143, 175, 207	BPSK	MCS0	95-1, 94-0, 95-1, 95-1, 94-0, 94-0
		802.11be (EHT160) 996+484+242-tone MRU	1S1T / 2S2T	15, 79, 111, 143, 175, 207	BPSK	MCS0	99-1, 96-0, 99-1, 99-1, 96-0, 96-0
TPC mechanism	-	802.11be (EHT160)	-	175	BPSK	MCS0	-
EUT Configure Mode:	A	EUT only (remove 50 ohm terminator and Connect to the appropriate equipment)					
	B	EUT with 50 ohm terminator					
	C	EUT with antenna set 2 (Model: RFMTA311020EMMB301)					

Note:

- Channel puncturing mechanism is not supported.
- For the contention-based protocol test item an antenna gain of -20 dBi was used as a representative measurement.

3.6 Duty Cycle of Test Signal

1Tx

802.11a: Duty cycle = 2.015 ms / 2.075 ms x 100% = 97.1%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.13 \text{ dB}$

802.11be (EHT20): Duty cycle = 4.63 ms / 4.71 ms x 100% = 98.3%

802.11be (EHT40): Duty cycle = 4.66 ms / 4.71 ms x 100% = 98.9%

802.11be (EHT80): Duty cycle = 1.185 ms / 1.239 ms x 100% = 95.6%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.19 \text{ dB}$

802.11be (EHT160): Duty cycle = 2.035 ms / 2.13 ms x 100% = 95.5%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.20 \text{ dB}$

802.11be (EHT20) 26-tone RU:

Duty cycle = 1.602 ms / 1.66 ms x 100% = 96.5%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.15 \text{ dB}$

802.11be (EHT20) 52-tone RU:

Duty cycle = 1.514 ms / 1.575 ms x 100% = 96.1%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.17 \text{ dB}$

802.11be (EHT20) 106-tone RU:

Duty cycle = 1.395 ms / 1.451 ms x 100% = 96.1%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.17 \text{ dB}$

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

Duty cycle = 1.493 ms / 1.547 ms x 100% = 96.5%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.15 \text{ dB}$

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

Duty cycle = 1.652 ms / 1.718 ms x 100% = 96.2%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.17 \text{ dB}$

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

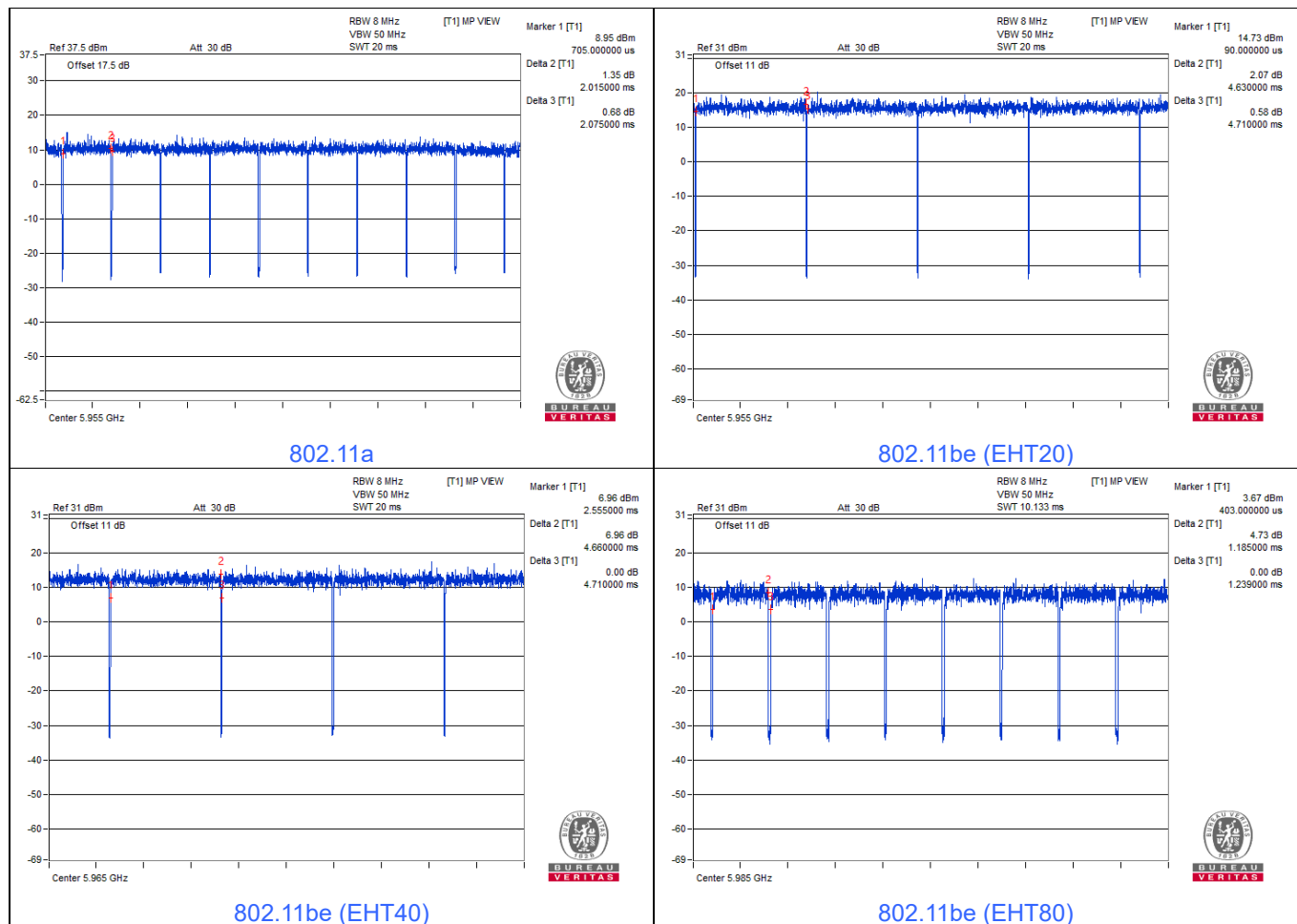
Duty cycle = 1.199 ms / 1.252 ms x 100% = 95.8%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.19 \text{ dB}$

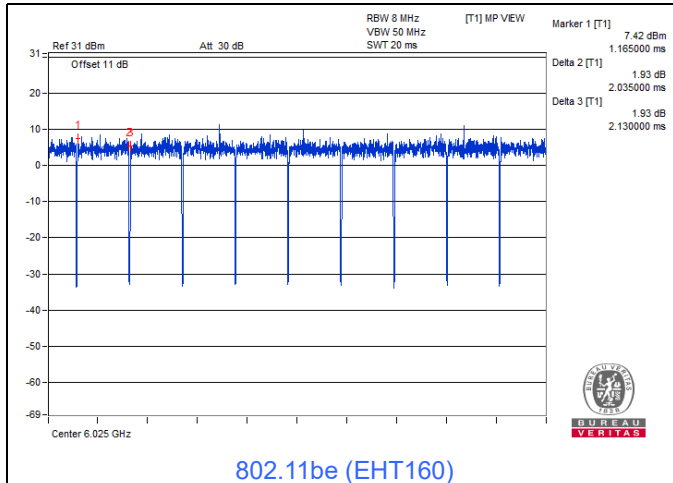
802.11be (EHT160) 996+484-tone MRU:

Duty cycle = 1.159 ms / 1.244 ms x 100% = 93.2%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.31 \text{ dB}$

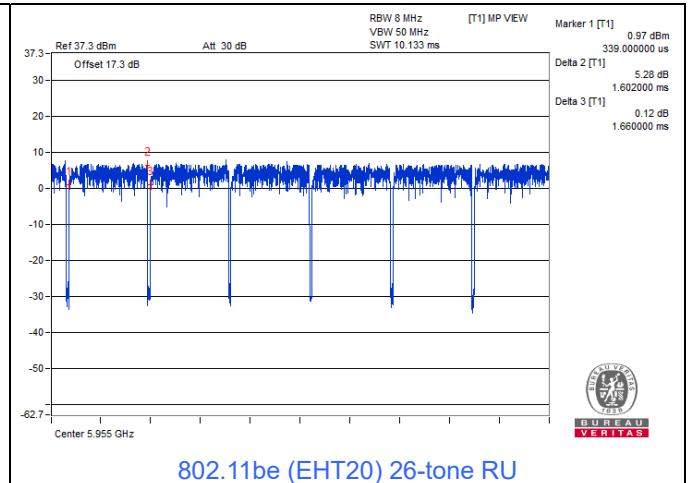
802.11be (EHT160) 996+484+242-tone MRU:

Duty cycle = 1.168 ms / 1.239 ms x 100% = 94.3%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.26 \text{ dB}$

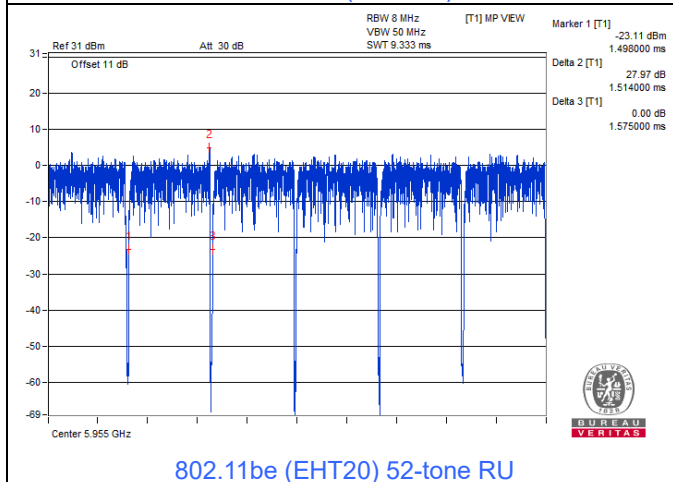




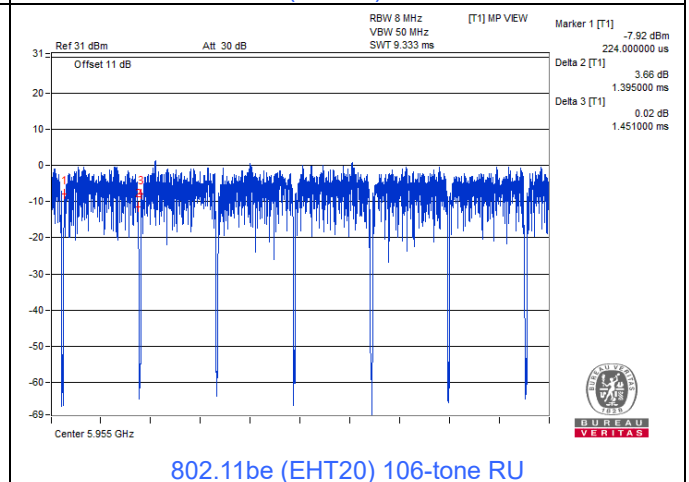
802.11be (EHT160)



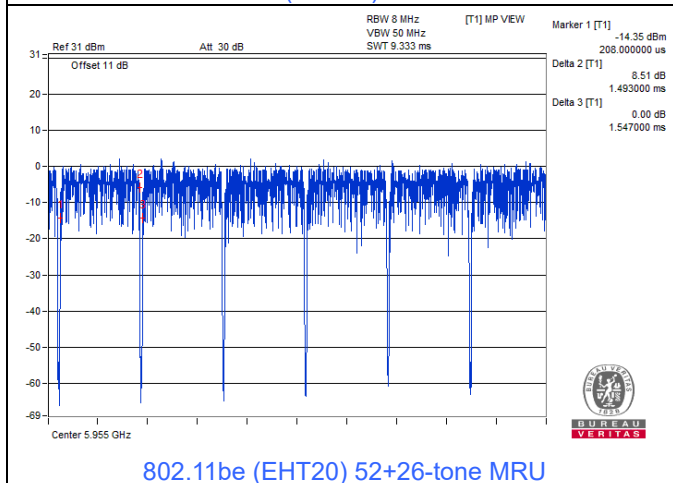
802.11be (EHT20) 26-tone RU



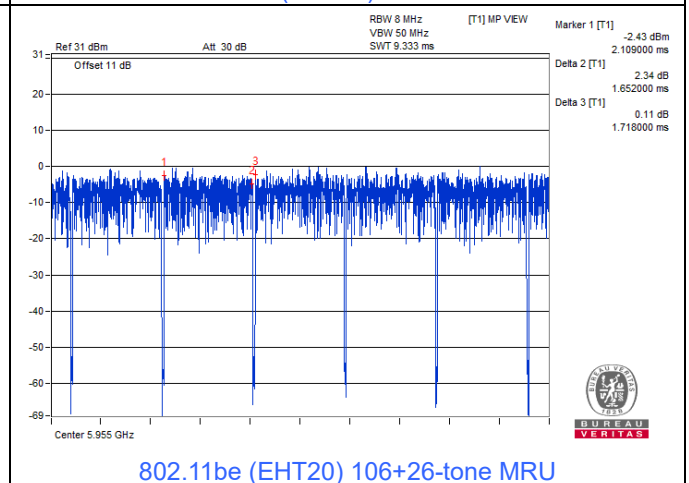
802.11be (EHT20) 52-tone RU



802.11be (EHT20) 106-tone RU



802.11be (EHT20) 52+26-tone MRU



802.11be (EHT20) 106+26-tone MRU



2Tx

802.11a 1S2T: Duty cycle = 2.01 ms / 2.095 ms x 100% = 95.9%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.18 \text{ dB}$

802.11be (EHT20) 2S2T:

Duty cycle = 2.355 ms / 2.43 ms x 100% = 96.9%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.14 \text{ dB}$

802.11be (EHT40) 2S2T:

Duty cycle = 2.36 ms / 2.425 ms x 100% = 97.3%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.12 \text{ dB}$

802.11be (EHT80) 2S2T:

Duty cycle = 1.183 ms / 1.241 ms x 100% = 95.3%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.21 \text{ dB}$

802.11be (EHT160) 2S2T:

Duty cycle = 1.088 ms / 1.142 ms x 100% = 95.3%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.21 \text{ dB}$

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

Duty cycle = 1.602 ms / 1.66 ms x 100% = 96.5%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.15 \text{ dB}$

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

Duty cycle = 1.514 ms / 1.575 ms x 100% = 96.1%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.17 \text{ dB}$

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

Duty cycle = 1.395 ms / 1.451 ms x 100% = 96.1%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.17 \text{ dB}$

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

Duty cycle = 1.493 ms / 1.547 ms x 100% = 96.5%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.15 \text{ dB}$

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

Duty cycle = 1.652 ms / 1.718 ms x 100% = 96.2%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.17 \text{ dB}$

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

Duty cycle = 1.199 ms / 1.252 ms x 100% = 95.8%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.19 \text{ dB}$

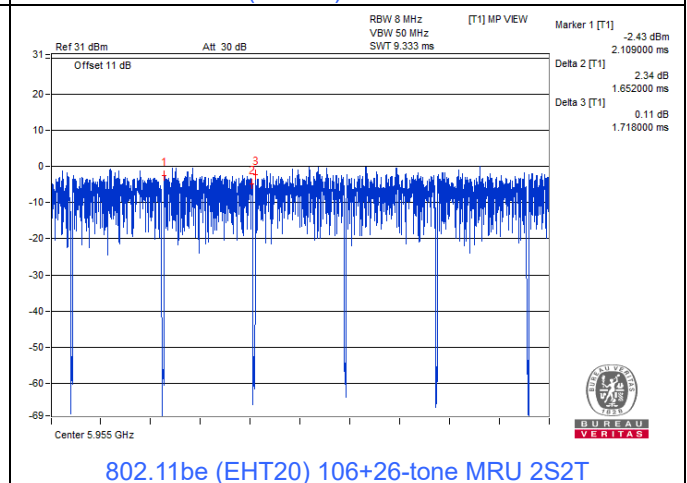
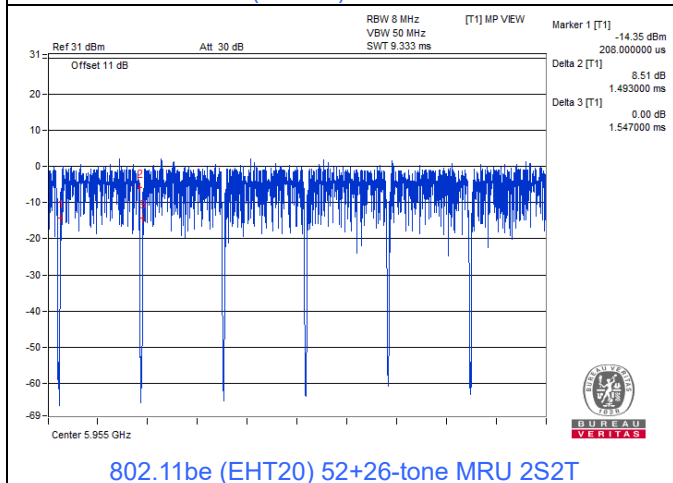
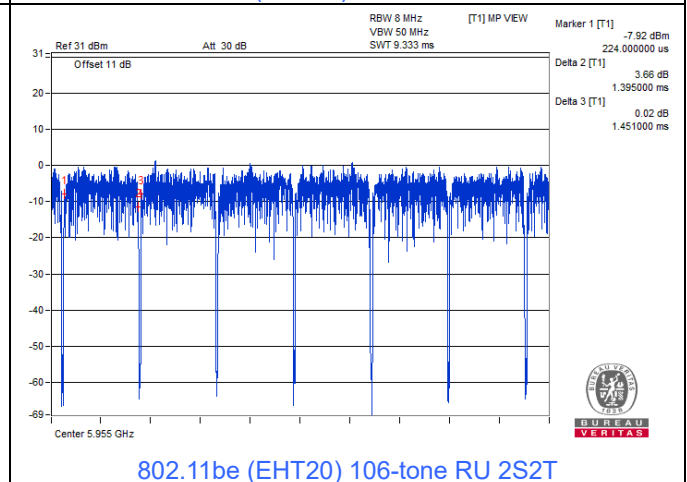
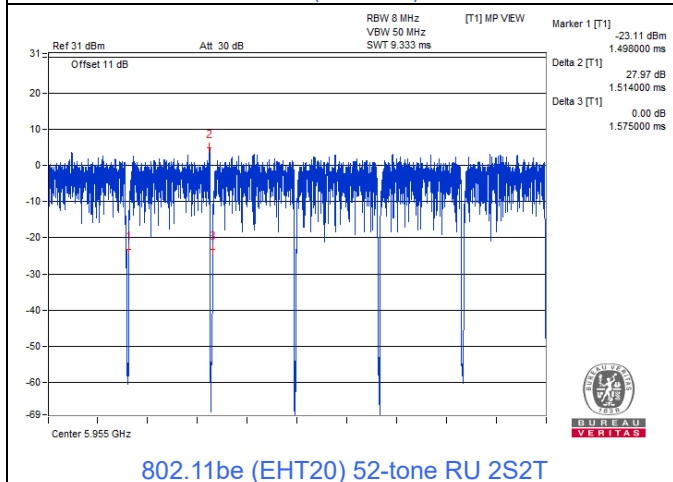
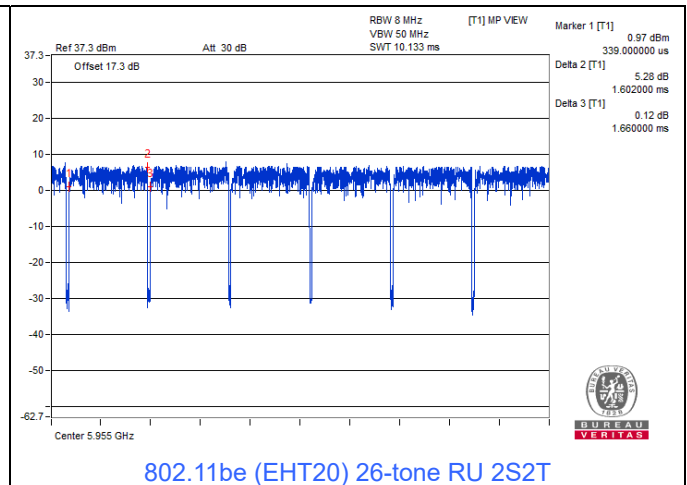
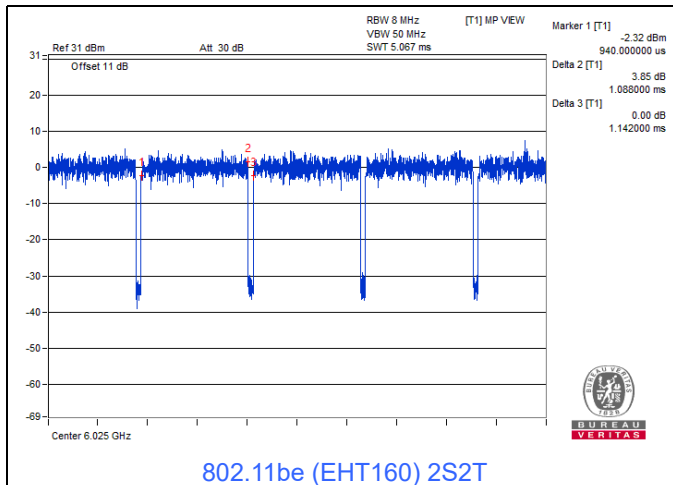
802.11be (EHT160) 996+484-tone MRU 2S2T:

Duty cycle = 1.159 ms / 1.244 ms x 100% = 93.2%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.31 \text{ dB}$

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

Duty cycle = 1.168 ms / 1.239 ms x 100% = 94.3%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.26 \text{ dB}$







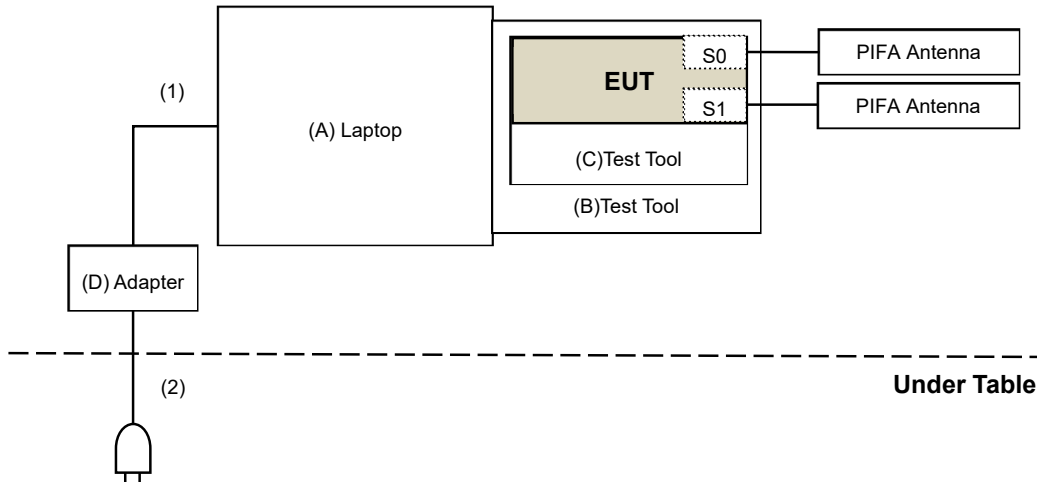
3.7 Test Program Used and Operation Descriptions

Controlling software QA UI(MT7935) V0.0.2.118 has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.8 Connection Diagram of EUT and Peripheral Devices

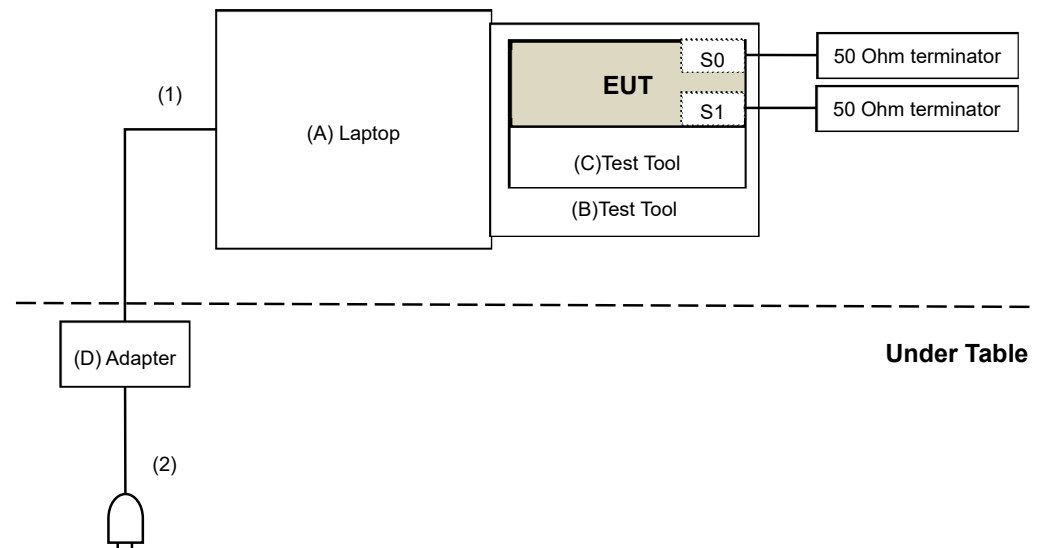
For AC Power Conducted Emission Test

Mode C



For Unwanted Emissions test

Mode B



3.9 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	DELL	E6230	H148YW1	N/A	Provided by Lab
B	Test Tool	Mediatek	MTK1849	N/A	N/A	Supplied by applicant
C	Test Tool	Mediatek	MTK5917	N/A	N/A	Supplied by applicant
D	Adapter	DELL	LA65NM130	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	1.8	No	0	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	00800A1K01A-20	00800A1K01A-20-02	2026/5/21	2027/5/20
Pulse Power Sensor Anritsu	MA2411B	1726433	2026/5/8	2027/5/7
RF Power Meter Anritsu	ML2496A	1529003	2025/8/13 2026/6/15	2026/8/12 2027/6/14

Notes:

1. The test was performed in HC - Oven room 2(Hsinchu).
2. Tested Date: 2026/6/10 ~ 2026/7/23

4.2 Maximum Power Spectral Density

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2026/5/21	2027/5/20
PXA Signal Analyzer Keysight	N9030B	MY57142938	2026/4/17	2027/4/16
Software	ADT_RF Test Software v8.5.6.4	N/A	N/A	N/A

Notes:

1. The test was performed in HC - Oven room 2(Hsinchu).
2. Tested Date: 2026/6/10 ~ 2026/7/23

4.3 Emission Bandwidth

Refer to section 4.2 to get the tested date and information of the instruments.

4.4 In-Band Emission Mask

Refer to section 4.2 to get the tested date and information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.2 to get the tested date and information of the instruments.

4.6 Contention-based Protocol

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Frequency Extender Keysight	N5182BX07	MY59360198	2025/10/3	2026/10/2
MXG Vector Signal Generator Keysight	N5182B	MY53052647	2025/10/3	2026/10/2
Power Splitter/Combiner Mini-Circuits	ZFRSC-123-S+	F698501347_01	2025/10/22	2026/10/21
		F698501347_02	2025/10/22	2026/10/21
Signal & Spectrum Analyzer R&S	FSV3044	101506	2026/6/22	2027/6/21
	FSW8	101497	2026/6/5	2027/6/4

Notes:

1. The test was performed in HC - Adaptivity room(Hsinchu).
2. Tested Date: 2026/7/9

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance Telegartner	50 ohm	3	2025/10/29	2026/10/28
EMI Test Receiver R&S	ESCS 30	100375	2026/5/20	2027/5/19
Fixed Attenuator STI	STI02-2200-10	005	2026/2/9	2027/2/8
LISN R&S	ESH3-Z5	835239/001	2026/3/30	2027/3/29
		848773/004	2025/10/3	2026/10/2
RF Coaxial Cable JYEBAO	5D-FB	COCCAB-001	2026/2/9	2027/2/8
Software BVADT	BVADT_Cond_V7.4.1.0	N/A	N/A	N/A

Notes:

1. The test was performed in HC - Conduction 1(Hsinchu).
2. Tested Date: 2026/5/28

4.8 Unwanted Emissions below 1 GHz

Mode A

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2026/5/21	2027/5/20
PXA Signal Analyzer Keysight	N9030B	MY57142938	2026/4/17	2027/4/16
Software	ADT_RF Test Software v8.5.6.4	N/A	N/A	N/A

Notes:

1. The test was performed in HC - Oven room 2(Hsinchu).
2. Tested Date: 2026/7/29

Mode B

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-0842	2025/9/16	2026/9/15
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-02	2026/3/15	2027/3/14
Loop Antenna TESEQ	HLA 6121	63620	2025/10/20	2026/10/19
MXE EMI Receiver Keysight	N9038A	MY59050100	2025/6/25	2026/6/24
Preamplifier EMCI	EMC330N	980538	2026/3/15	2027/3/14
PXA Signal Analyzer Keysight	N9030B	MY57141948	2025/5/20	2026/5/19
RF Coaxial Cable PEWC	8D	966-5-1	2026/3/15	2027/3/14
		966-5-2	2026/3/15	2027/3/14
		966-5-3	2026/3/15	2027/3/14
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in HC - 966 Chamber No. 5(Hsinchu).
2. Tested Date: 2026/4/23

4.9 Unwanted Emissions above 1 GHz

Mode A

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2026/5/21	2027/5/20
PXA Signal Analyzer Keysight	N9030B	MY57142938	2026/4/17	2027/4/16
Software	ADT_RF Test Software v8.5.6.4	N/A	N/A	N/A

Notes:

1. The test was performed in HC - Oven room 2(Hsinchu).
2. Tested Date: 2026/5/26 ~ 2026/7/22

Mode B

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-1819	2025/11/9	2026/11/8
	BBHA 9170	9170-739	2025/11/9	2026/11/8
MXE EMI Receiver Keysight	N9038A	MY54450088	2026/4/1	2027/3/31
		MY59050100	2025/6/25	2026/6/24
Preamplifier EMCI	EMC12630SE	980509	2026/1/17	2027/1/16
	EMC184045SE	980387	2025/8/7	2026/8/6
PXA Signal Analyzer Keysight	N9030B	MY57141948	2025/5/20 2026/5/25	2026/5/19 2027/5/24
RF Coaxial Cable EMCI	EMC102-KM-KM-1200	160924	2026/1/15	2027/1/14
	EMC102-KM-KM-4000	200214	2026/1/15	2027/1/14
	EMC104-SM-SM-1500	180503	2026/3/7	2027/3/6
	EMC104-SM-SM-2000	180501	2026/3/7	2027/3/6
	EMC104-SM-SM-6000	180506	2026/3/7	2027/3/6
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in HC - 966 Chamber No. 5(Hsinchu).
2. Tested Date: 2026/5/13 ~ 2026/7/31

4.10 TPC mechanism

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-20	00800A1K01A-20-01	2026/5/21	2027/5/20
Power Splitter/Combiner Mini-Circuits	ZFRSC-123-S+	F698501347_01	2025/10/22	2026/10/21
Programmable Step Attenuator SHX	GKTS1-9-110-8Y-HLU	GKTS1-9-110-8Y-HLU-02	2026/5/21	2027/5/20
Signal & Spectrum Analyzer R&S	FSW8	101497	2026/6/5	2027/6/4

Notes:

1. The test was performed in HC - Adaptivity room(Hsinchu).
2. Tested Date: 2026/7/7

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	6VL: 15E 6 GHz VLP device	EIRP 14 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 ≥ 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	6VL: 15E 6 GHz VLP device	EIRP -5 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 ^{*1}
Emission Mask	At 1 MHz outside of channel edge	20
	At one channel bandwidth from the channel center ^{*2}	28
	At one- and one-half times the channel bandwidth away from channel center ^{*3}	40
	More than one- and one-half times the channel bandwidth	40

^{*1} : The power spectral density must be suppressed by "x" dB

^{*2} : 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,

^{*3} : 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 results are for reference only.

5.6 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.

5.7 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.

5.8 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).

5.9 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:

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

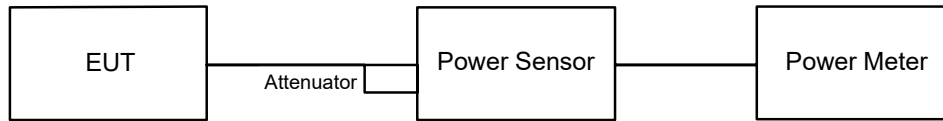
5.10 TPC mechanism

Very low power devices operating in the 5.925-7.125 GHz bands shall employ a transmit power control (TPC) mechanism. A very low power device is required to have the capability to operate at least 6 dB below the maximum EIRP power spectral density (PSD) value of -5 dBm/MHz.

6 Test Arrangements

6.1 Maximum RF Output Power

6.1.1 Test Setup



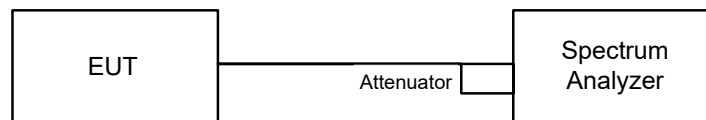
Note: The correction factor has already been compensated by the instrument.

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



Note: The correction factor has already been compensated by the instrument.

6.2.2 Test Procedure

For specified measurement bandwidth 1 MHz:

Method SA-1

- Set span to encompass the entire 99% OBW of the signal.
- Set RBW = 1 MHz, Set VBW $\geq$ 3 MHz, Detector = RMS.
- Sweep points $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to "free run".
- Trace average at least 100 traces in power averaging mode.
- Record the max value

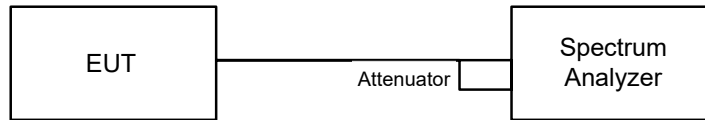
For specified measurement bandwidth 1 MHz:

Method SA-2

- Measure the duty cycle of the transmitter output signal.
- Set span to encompass the entire 99% OBW of the signal.
- Set RBW = 1 MHz, Set VBW $\geq$ 3 MHz, Detector = RMS.
- Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to "free run".
- Trace average at least 100 traces in power averaging mode.
- Use the peak search function on the instrument to find the peak of the spectrum and record its value.
- Record the max value and add $10 \log (1/\text{duty cycle})$.

6.3 Emission Bandwidth

6.3.1 Test Setup



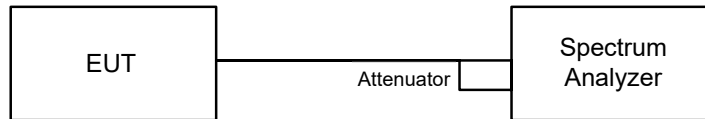
Note: The correction factor has already been compensated by the instrument.

6.3.2 Test Procedure

- a. Set RBW = shall be in the range of 1% to 5% 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 instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is in the range of 1% to 5%.

6.4 In-Band Emission Mask

6.4.1 Test Setup



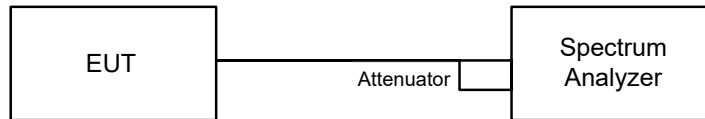
Note: The correction factor has already been compensated by the instrument.

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 12.5.2 of ANSI C63.10-2020. (This will be used to 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 $\geq 3 \times$ RBW
 - d) Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$.
 - e) Sweep time = auto.
 - f) Detector = RMS (i.e., power averaging)
 - g) Trace average at least 100 traces in power averaging (rms) mode.
 - h) Use the peak search function on the instrument to find the peak of the spectrum.
- 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



Note: The correction factor has already been compensated by the instrument.

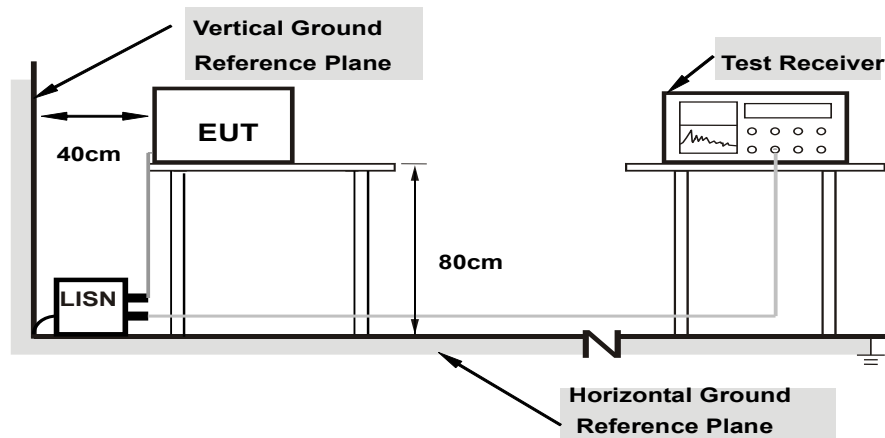
6.5.2 Test Procedure

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

- a. The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b. The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be at least three times the RBW, unless otherwise specified by the applicable requirement
- c. Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (OBW/RBW)]$ below the reference level.
- d. Step a) through step c) might require iteration to adjust within the specified range.
- e. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max-hold mode (until the trace stabilizes) shall be used.
- f. Use the 99% power bandwidth function of the instrument and report the measured bandwidth.

6.7 AC Power Conducted Emissions

6.7.1 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).

6.7.2 Test Procedure

- Exploratory ac power-line conducted emission measurements: The EUT shall be operated on the mid channel and in the mode with highest output power unless the fundamental operates in the AC power-line emission test range then the EUT shall be operated in the range of typical modes of operation.
- 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.

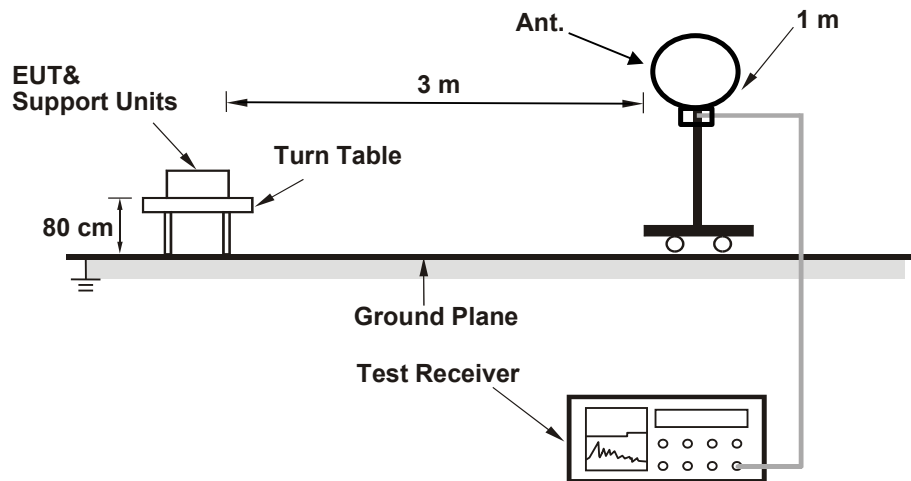
Note: The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz-30 MHz.

6.8 Unwanted Emissions below 1 GHz

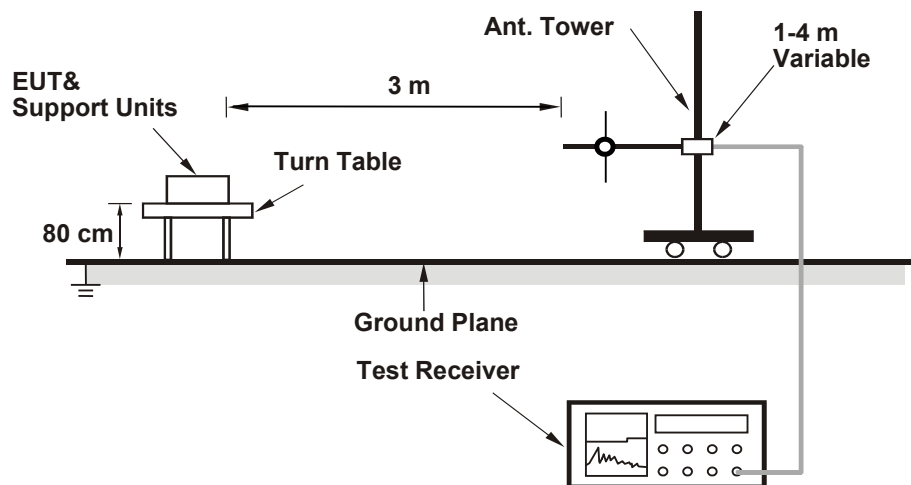
6.8.1 Test Setup

For Radiated Configuration:

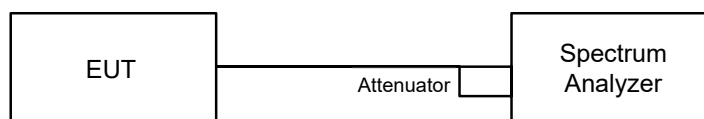
For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



For Conducted Configuration:



Note: The correction factor has already been compensated by the instrument.

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

6.8.2 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 (however, peak detector measurements may be used to determine compliance with QP requirements), 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.

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) at frequencies less than or equal to 1 GHz (however, peak detector measurements may be used to determine compliance with QP requirements).
2. All modes of operation were investigated and the worst-case emissions are reported.

Radiated versus Conducted Measurement

For Radiated measurement:

The level of unwanted emissions was measured when radiated by the cabinet or structure of the equipment with the antenna connector(s) terminated by a specified load (cabinet radiation).

For Conducted measurement:

The level of unwanted emissions was measured as their power in a specified load (conducted spurious emissions).

Conducted Unwanted Emission Convert Formula

- a. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.
- b. EIRP Level (dBm) = Raw Value(dBm) + Correction Factor(dB)
- c. Correction Factor is directional gain, and the composite gain will be used when signal support the correlated signal.
For the out of band spurious the gain for the specific band may have been used rather than the highest gain across all bands.
For the band edge the gain for the specific band may have been used.

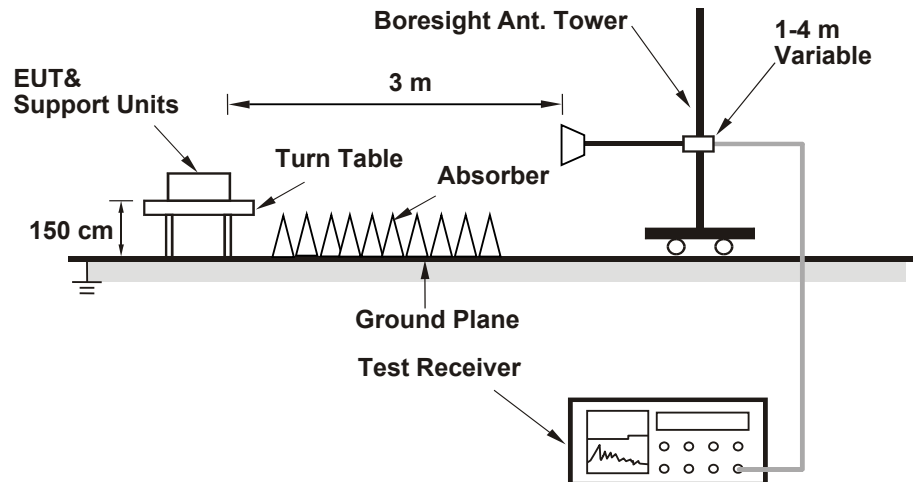
Notes:

1. In restricted bands below 1000 MHz, add upper bound on ground plane reflection:
For frequencies between 30 MHz and 1000 MHz, add 4.7 dB.
2. The conducted emission test was considered some factor to compute test result.

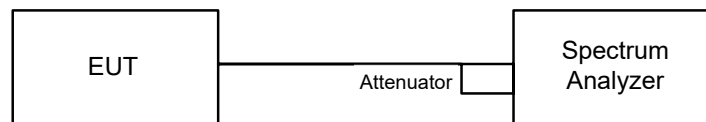
6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup

For Radiated Configuration:



For Conducted Configuration:



Note: The correction factor has already been compensated by the instrument.

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:

- 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.
- Conducted tests was performed using equipment that matches the nominal impedance of the antenna assembly used with the EUT.
- 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.
- EIRP adjustments for multiple outputs. (Follow the procedures specified in FCC KDB Publication 662911)
- For all of Radiation emission test

- 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.

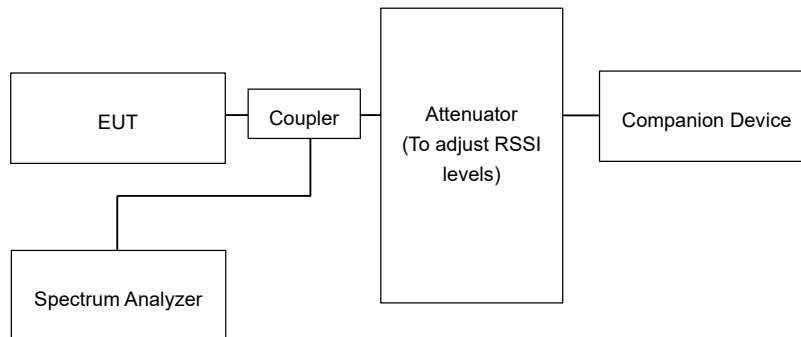
Notes:

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.
For Integration method:
 - i. For band edge measurement, the integration method is used, the resolution bandwidth of test spectrum analyzer is 100 kHz and the video bandwidth is 300 kHz. Please refer to the following for other instrument settings.
 - ii. Using the detector RMS (power averaging) method, refer to ANSI C63.10 section 12.7.4.4 and 11.12.3.2, the Average value = Average Reading + Duty Cycle Correction Factor. For duty cycle correction factor values, see the Test Signal Duty Cycle section in this report.
3. All modes of operation were investigated and the worst-case emissions are reported.

Radiated versus Conducted Measurement	
<u>For Radiated measurement:</u> The level of unwanted emissions was measured when radiated by the cabinet or structure of the equipment with the antenna connector(s) terminated by a specified load (cabinet radiation). <u>For Conducted measurement:</u> The level of unwanted emissions was measured as their power in a specified load (conducted spurious emissions). <u>For Verified radiated measurement:</u> The level of unwanted emissions was measured when radiated by the cabinet or structure of the equipment with the antenna connector(s) terminated by a specified load (cabinet radiation).	
Conducted Unwanted Emission Convert Formula	
a. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8 d = measurement distance in 3 meters. b. EIRP Level (dBm) = Raw Value(dBm) + Correction Factor(dB). c. Correction Factor is directional gain, and the composite gain will be used when signal support the correlated signal. For the out of band spurious the gain for the specific band may have been used rather than the highest gain across all bands. For the band edge the gain for the specific band may have been used. Note: The conducted emission test was considered some factor to compute test result.	

6.10 TPC mechanism

6.10.1 Test Setup



Client to Client Set Up

6.10.2 Test Procedure

- Establish a connection between the EUT and the companion device and enable peer-to-peer communication.
- Spectrum set span to encompass the entire emission bandwidth (EBW) of the signal. RBW = 1 MHz, Set VBW $\geq$ 3 MHz, Detector = RMS, Sweep time = auto. Trace average at least 100 traces in power averaging mode. Record the max value.
- Set the variable attenuator to 0 dB (simulate a noise-free spectral environment and high RSSI).
- Capture the PSD values (A) from the Spectrum analyzer.
- Increase the attenuation of the variable attenuator step to step (simulate a noisy spectral environment and low RSSI).
- Capture the PSD values (B) from the Spectrum analyzer.
- Compare the highest PSD from value (A) to the highest PSD on value (B) and determine the delta. For MIMO operations use the sum of the highest PSD from each individual antenna.

7 Test Results of Test Item

7.1 Maximum RF Output Power

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60, 58% RH	Tested By:	Henry Hsu
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1Tx

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
2	5935	1.589	2.01	4.76	4.755	6.77	14	Pass
1	5955	1.596	2.03	4.76	4.776	6.79	14	Pass
45	6175	2.244	3.51	4.76	6.715	8.27	14	Pass
93	6415	1.614	2.08	4.76	4.83	6.84	14	Pass
97	6435	2.553	4.07	4.29	6.856	8.36	14	Pass
105	6475	2.523	4.02	4.29	6.775	8.31	14	Pass
113	6515	2.529	4.03	4.29	6.791	8.32	14	Pass
117	6535	2.254	3.53	4.61	6.516	8.14	14	Pass
149	6695	2.307	3.63	4.61	6.669	8.24	14	Pass
181	6855	2.355	3.72	4.61	6.808	8.33	14	Pass
185	6875	2.472	3.93	4.61	7.146	8.54	14	Pass
209	6995	2.594	4.14	4.09	6.652	8.23	14	Pass
233	7115	1.786	2.52	4.09	4.58	6.61	14	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)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
2	5935	1.698	2.30	4.76	5.081	7.06	14	Pass
1	5955	1.6	2.04	4.76	4.788	6.8	14	Pass
45	6175	2.307	3.63	4.76	6.903	8.39	14	Pass
93	6415	1.607	2.06	4.76	4.809	6.82	14	Pass
97	6435	2.523	4.02	4.29	6.775	8.31	14	Pass
105	6475	2.57	4.10	4.29	6.901	8.39	14	Pass
113	6515	2.559	4.08	4.29	6.872	8.37	14	Pass
117	6535	2.265	3.55	4.61	6.547	8.16	14	Pass
149	6695	2.223	3.47	4.61	6.426	8.08	14	Pass
181	6855	2.249	3.52	4.61	6.501	8.13	14	Pass
185	6875	2.193	3.41	4.61	6.339	8.02	14	Pass
209	6995	2.466	3.92	4.09	6.324	8.01	14	Pass
233	7115	1.766	2.47	4.09	4.529	6.56	14	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)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
3	5965	3.221	5.08	4.76	9.638	9.84	14	Pass
43	6165	4.898	6.90	4.76	14.656	11.66	14	Pass
91	6405	3.162	5.00	4.76	9.462	9.76	14	Pass
99	6445	5.012	7.00	4.29	13.459	11.29	14	Pass
107	6485	5.188	7.15	4.29	13.932	11.44	14	Pass
115	6525	4.898	6.90	4.61	14.159	11.51	14	Pass
123	6565	4.519	6.55	4.61	13.063	11.16	14	Pass
155	6725	4.477	6.51	4.61	12.942	11.12	14	Pass
179	6845	4.699	6.72	4.61	13.583	11.33	14	Pass
187	6885	5.284	7.23	4.09	13.551	11.32	14	Pass
211	7005	5.188	7.15	4.09	13.305	11.24	14	Pass
227	7085	3.631	5.60	4.09	9.312	9.69	14	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)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
7	5985	7.345	8.66	4.76	21.978	13.42	14	Pass
39	6145	8.222	9.15	4.76	24.602	13.91	14	Pass
87	6385	7.211	8.58	4.76	21.577	13.34	14	Pass
103	6465	9.141	9.61	4.29	24.547	13.9	14	Pass
119	6545	8.511	9.30	4.61	24.603	13.91	14	Pass
151	6705	8.395	9.24	4.61	24.267	13.85	14	Pass
183	6865	8.453	9.27	4.61	24.435	13.88	14	Pass
199	6945	9.572	9.81	4.09	24.547	13.9	14	Pass
215	7025	8.166	9.12	4.09	20.942	13.21	14	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)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	8.241	9.16	4.76	24.659	13.92	14	Pass
47	6185	8.147	9.11	4.76	24.378	13.87	14	Pass
79	6345	7.98	9.02	4.76	23.878	13.78	14	Pass
111	6505	8.551	9.32	4.61	24.718	13.93	14	Pass
143	6665	8.414	9.25	4.61	24.322	13.86	14	Pass
175	6825	8.511	9.30	4.61	24.603	13.91	14	Pass
207	6985	9.247	9.66	4.09	23.714	13.75	14	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)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
2	5935	1.718	2.35	4.76	5.141	7.11	14	Pass
1	5955	1.618	2.09	4.76	4.841	6.85	14	Pass
45	6175	2.339	3.69	4.76	6.999	8.45	14	Pass
93	6415	1.626	2.11	4.76	4.865	6.87	14	Pass
97	6435	2.559	4.08	4.29	6.872	8.37	14	Pass
105	6475	2.6	4.15	4.29	6.982	8.44	14	Pass
113	6515	2.6	4.15	4.29	6.982	8.44	14	Pass
117	6535	2.291	3.60	4.61	6.623	8.21	14	Pass
149	6695	2.244	3.51	4.61	6.487	8.12	14	Pass
181	6855	2.28	3.58	4.61	6.591	8.19	14	Pass
185	6875	2.218	3.46	4.61	6.412	8.07	14	Pass
209	6995	2.5	3.98	4.09	6.411	8.07	14	Pass
233	7115	1.778	2.50	4.09	4.56	6.59	14	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)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
3	5965	3.251	5.12	4.76	9.728	9.88	14	Pass
43	6165	4.932	6.93	4.76	14.758	11.69	14	Pass
91	6405	3.184	5.03	4.76	9.527	9.79	14	Pass
99	6445	5.035	7.02	4.29	13.521	11.31	14	Pass
107	6485	5.236	7.19	4.29	14.06	11.48	14	Pass
115	6525	4.943	6.94	4.61	14.289	11.55	14	Pass
123	6565	4.571	6.60	4.61	13.213	11.21	14	Pass
155	6725	4.529	6.56	4.61	13.092	11.17	14	Pass
179	6845	4.764	6.78	4.61	13.771	11.39	14	Pass
187	6885	5.37	7.30	4.09	13.771	11.39	14	Pass
211	7005	5.26	7.21	4.09	13.489	11.3	14	Pass
227	7085	3.664	5.64	4.09	9.396	9.73	14	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)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
7	5985	7.43	8.71	4.76	22.233	13.47	14	Pass
39	6145	8.337	9.21	4.76	24.947	13.97	14	Pass
87	6385	7.295	8.63	4.76	21.829	13.39	14	Pass
103	6465	9.29	9.68	4.29	24.947	13.97	14	Pass
119	6545	8.61	9.35	4.61	24.889	13.96	14	Pass
151	6705	8.511	9.30	4.61	24.603	13.91	14	Pass
183	6865	8.59	9.34	4.61	24.831	13.95	14	Pass
199	6945	9.683	9.86	4.09	24.832	13.95	14	Pass
215	7025	8.26	9.17	4.09	21.183	13.26	14	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)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	8.337	9.21	4.76	24.947	13.97	14	Pass
47	6185	8.279	9.18	4.76	24.773	13.94	14	Pass
79	6345	8.11	9.09	4.76	24.267	13.85	14	Pass
111	6505	8.67	9.38	4.61	25.062	13.99	14	Pass
143	6665	8.511	9.30	4.61	24.603	13.91	14	Pass
175	6825	8.59	9.34	4.61	24.831	13.95	14	Pass
207	6985	9.354	9.71	4.09	23.988	13.8	14	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) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
2	5935	0.2938	-5.32	4.76	0.8791	-0.56	14	Pass
1	5955	0.3192	-4.96	4.76	0.9551	-0.2	14	Pass
93	6415	0.3304	-4.81	4.76	0.9886	-0.05	14	Pass
97	6435	0.3673	-4.35	4.29	0.9863	-0.06	14	Pass
113	6515	0.3565	-4.48	4.29	0.9573	-0.19	14	Pass
117	6535	0.3273	-4.85	4.61	0.9461	-0.24	14	Pass
185	6875	0.335	-4.75	4.61	0.9684	-0.14	14	Pass
209	6995	0.3556	-4.49	4.09	0.9119	-0.4	14	Pass
233	7115	0.3214	-4.93	4.09	0.8242	-0.84	14	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) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
2	5935	0.4276	-3.69	4.76	1.279	1.07	14	Pass
1	5955	0.6427	-1.92	4.76	1.923	2.84	14	Pass
93	6415	0.6383	-1.95	4.76	1.91	2.81	14	Pass
97	6435	0.7096	-1.49	4.29	1.906	2.8	14	Pass
113	6515	0.7079	-1.50	4.29	1.901	2.79	14	Pass
117	6535	0.6412	-1.93	4.61	1.854	2.68	14	Pass
185	6875	0.6383	-1.95	4.61	1.845	2.66	14	Pass
209	6995	0.7129	-1.47	4.09	1.828	2.62	14	Pass
233	7115	0.4645	-3.33	4.09	1.191	0.76	14	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) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
2	5935	0.6486	-1.88	4.76	1.941	2.88	14	Pass
1	5955	1.282	1.08	4.76	3.836	5.84	14	Pass
93	6415	1.259	1.00	4.76	3.767	5.76	14	Pass
97	6435	1.422	1.53	4.29	3.819	5.82	14	Pass
113	6515	1.416	1.51	4.29	3.802	5.8	14	Pass
117	6535	1.276	1.06	4.61	3.689	5.67	14	Pass
185	6875	1.3	1.14	4.61	3.758	5.75	14	Pass
209	6995	1.466	1.66	4.09	3.76	5.75	14	Pass
233	7115	0.7112	-1.48	4.09	1.824	2.61	14	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

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
2	5935	0.2985	-5.25	4.76	0.8932	-0.49	14	Pass
1	5955	0.3258	-4.87	4.76	0.9749	-0.11	14	Pass
93	6415	0.3365	-4.73	4.76	1.007	0.03	14	Pass
97	6435	0.3724	-4.29	4.29	1	0	14	Pass
113	6515	0.3589	-4.45	4.29	0.9638	-0.16	14	Pass
117	6535	0.3334	-4.77	4.61	0.9638	-0.16	14	Pass
185	6875	0.3388	-4.70	4.61	0.9794	-0.09	14	Pass
209	6995	0.3614	-4.42	4.09	0.9268	-0.33	14	Pass
233	7115	0.3273	-4.85	4.09	0.8394	-0.76	14	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

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
2	5935	0.4345	-3.62	4.76	1.3	1.14	14	Pass
1	5955	0.6516	-1.86	4.76	1.95	2.9	14	Pass
93	6415	0.6546	-1.84	4.76	1.959	2.92	14	Pass
97	6435	0.7194	-1.43	4.29	1.932	2.86	14	Pass
113	6515	0.7112	-1.48	4.29	1.91	2.81	14	Pass
117	6535	0.6546	-1.84	4.61	1.892	2.77	14	Pass
185	6875	0.6427	-1.92	4.61	1.858	2.69	14	Pass
209	6995	0.7228	-1.41	4.09	1.854	2.68	14	Pass
233	7115	0.4775	-3.21	4.09	1.225	0.88	14	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

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
2	5935	0.6592	-1.81	4.76	1.973	2.95	14	Pass
1	5955	1.303	1.15	4.76	3.899	5.91	14	Pass
93	6415	1.262	1.01	4.76	3.776	5.77	14	Pass
97	6435	1.452	1.62	4.29	3.899	5.91	14	Pass
113	6515	1.422	1.53	4.29	3.819	5.82	14	Pass
117	6535	1.312	1.18	4.61	3.793	5.79	14	Pass
185	6875	1.318	1.20	4.61	3.81	5.81	14	Pass
209	6995	1.496	1.75	4.09	3.836	5.84	14	Pass
233	7115	0.7211	-1.42	4.09	1.849	2.67	14	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

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
2	5935	0.9141	-0.39	4.76	2.735	4.37	14	Pass
1	5955	0.9226	-0.35	4.76	2.761	4.41	14	Pass
93	6415	0.9441	-0.25	4.76	2.825	4.51	14	Pass
97	6435	1.047	0.20	4.29	2.812	4.49	14	Pass
113	6515	0.975	-0.11	4.29	2.618	4.18	14	Pass
117	6535	0.9141	-0.39	4.61	2.642	4.22	14	Pass
185	6875	0.9954	-0.02	4.61	2.877	4.59	14	Pass
209	6995	1.045	0.19	4.09	2.68	4.28	14	Pass
233	7115	1.019	0.08	4.09	2.613	4.17	14	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

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
2	5935	1.127	0.52	4.76	3.372	5.28	14	Pass
1	5955	1.107	0.44	4.76	3.312	5.2	14	Pass
93	6415	1.146	0.59	4.76	3.429	5.35	14	Pass
97	6435	1.841	2.65	4.29	4.944	6.94	14	Pass
113	6515	1.875	2.73	4.29	5.035	7.02	14	Pass
117	6535	1.603	2.05	4.61	4.634	6.66	14	Pass
185	6875	1.614	2.08	4.61	4.666	6.69	14	Pass
209	6995	1.832	2.63	4.09	4.698	6.72	14	Pass
233	7115	1.432	1.56	4.09	3.672	5.65	14	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

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
7	5985	5.521	7.42	4.76	16.52	12.18	14	Pass
87	6385	5.585	7.47	4.76	16.712	12.23	14	Pass
103	6465	9.036	9.56	4.29	24.265	13.85	14	Pass
119	6545	8.054	9.06	4.61	23.282	13.67	14	Pass
183	6865	8.279	9.18	4.61	23.932	13.79	14	Pass
199	6945	8.954	9.52	4.09	22.962	13.61	14	Pass
215	7025	8.913	9.50	4.09	22.857	13.59	14	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

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	8.337	9.21	4.76	24.947	13.97	14	Pass
79	6345	8.26	9.17	4.76	24.716	13.93	14	Pass
111	6505	8.511	9.30	4.61	24.603	13.91	14	Pass
143	6665	8.337	9.21	4.61	24.1	13.82	14	Pass
175	6825	8.453	9.27	4.61	24.435	13.88	14	Pass
207	6985	9.397	9.73	4.09	24.098	13.82	14	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

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	8.166	9.12	4.76	24.435	13.88	14	Pass
79	6345	8.204	9.14	4.76	24.549	13.9	14	Pass
111	6505	8.531	9.31	4.61	24.66	13.92	14	Pass
143	6665	8.492	9.29	4.61	24.548	13.9	14	Pass
175	6825	8.61	9.35	4.61	24.889	13.96	14	Pass
207	6985	9.441	9.75	4.09	24.211	13.84	14	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.

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 58% RH	Tested By:	Henry Hsu
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2Tx

802.11a 1S2T

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							
2	5935	-2.90	-3.12	1.0004	0.00	4.76	2.993	4.76	14	Pass
1	5955	-2.88	-3.02	1.0141	0.06	4.76	3.034	4.82	14	Pass
45	6175	-1.80	-1.98	1.2946	1.12	4.76	3.874	5.88	14	Pass
93	6415	-3.25	-3.46	0.924	-0.34	4.76	2.765	4.42	14	Pass
97	6435	-1.30	-1.46	1.4558	1.63	4.29	3.909	5.92	14	Pass
105	6475	-1.35	-1.49	1.4424	1.59	4.29	3.873	5.88	14	Pass
113	6515	-1.24	-1.38	1.4794	1.70	4.29	3.973	5.99	14	Pass
117	6535	-1.51	-1.98	1.3402	1.27	4.61	3.874	5.88	14	Pass
149	6695	-1.69	-1.92	1.3203	1.21	4.61	3.817	5.82	14	Pass
181	6855	-1.48	-1.91	1.3554	1.32	4.61	3.918	5.93	14	Pass
185	6875	-1.77	-1.94	1.305	1.16	4.61	3.772	5.77	14	Pass
209	6995	-1.40	-1.48	1.4356	1.57	4.09	3.682	5.66	14	Pass
233	7115	-3.01	-3.09	0.9909	-0.04	4.09	2.541	4.05	14	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							
2	5935	-0.20	-0.65	1.816	2.59	4.76	5.434	7.35	14	Pass
1	5955	-0.18	-0.59	1.8324	2.63	4.76	5.483	7.39	14	Pass
45	6175	1.80	1.03	2.781	4.44	4.76	8.321	9.2	14	Pass
93	6415	-0.88	-0.39	1.7307	2.38	4.76	5.179	7.14	14	Pass
97	6435	1.68	1.52	2.891	4.61	4.29	7.763	8.9	14	Pass
105	6475	1.91	1.50	2.965	4.72	4.29	7.962	9.01	14	Pass
113	6515	1.93	1.54	2.985	4.75	4.29	8.016	9.04	14	Pass
117	6535	1.82	1.20	2.839	4.53	4.61	8.207	9.14	14	Pass
149	6695	1.35	1.10	2.653	4.24	4.61	7.669	8.85	14	Pass
181	6855	1.13	1.05	2.571	4.10	4.61	7.432	8.71	14	Pass
185	6875	0.87	0.80	2.424	3.85	4.61	7.007	8.46	14	Pass
209	6995	1.76	1.11	2.791	4.46	4.09	7.157	8.55	14	Pass
233	7115	0.12	0.03	2.035	3.09	4.09	5.219	7.18	14	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	2.70	2.51	3.644	5.62	4.76	10.904	10.38	14	Pass
43	6165	4.01	4.20	5.148	7.12	4.76	15.404	11.88	14	Pass
91	6405	2.51	2.60	3.602	5.57	4.76	10.778	10.33	14	Pass
99	6445	4.22	4.30	5.334	7.27	4.29	14.324	11.56	14	Pass
107	6485	4.50	4.62	5.716	7.57	4.29	15.349	11.86	14	Pass
115	6525	3.66	3.73	4.683	6.71	4.61	13.537	11.32	14	Pass
123	6565	3.53	3.57	4.529	6.56	4.61	13.092	11.17	14	Pass
155	6725	4.17	3.82	5.022	7.01	4.61	14.517	11.62	14	Pass
179	6845	4.07	3.80	4.952	6.95	4.61	14.315	11.56	14	Pass
187	6885	4.52	4.55	5.682	7.55	4.09	14.571	11.64	14	Pass
211	7005	4.91	4.55	5.948	7.74	4.09	15.254	11.83	14	Pass
227	7085	3.20	3.42	4.287	6.32	4.09	10.994	10.41	14	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	5.40	5.50	7.016	8.46	4.76	20.994	13.22	14	Pass
39	6145	6.28	6.00	8.227	9.15	4.76	24.617	13.91	14	Pass
87	6385	5.57	5.51	7.162	8.55	4.76	21.431	13.31	14	Pass
103	6465	6.60	6.33	8.866	9.48	4.29	23.808	13.77	14	Pass
119	6545	6.07	6.31	8.321	9.20	4.61	24.053	13.81	14	Pass
151	6705	6.02	6.12	8.092	9.08	4.61	23.391	13.69	14	Pass
183	6865	6.00	6.17	8.121	9.10	4.61	23.475	13.71	14	Pass
199	6945	6.51	6.62	9.069	9.58	4.09	23.257	13.67	14	Pass
215	7025	6.51	6.65	9.101	9.59	4.09	23.339	13.68	14	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	6.02	6.10	8.073	9.07	4.76	24.157	13.83	14	Pass
47	6185	6.00	6.12	8.074	9.07	4.76	24.16	13.83	14	Pass
79	6345	5.96	6.01	7.935	9.00	4.76	23.744	13.76	14	Pass
111	6505	6.26	6.36	8.552	9.32	4.61	24.721	13.93	14	Pass
143	6665	6.06	6.18	8.186	9.13	4.61	23.663	13.74	14	Pass
175	6825	6.03	6.20	8.177	9.13	4.61	23.637	13.74	14	Pass
207	6985	6.61	6.67	9.227	9.65	4.09	23.662	13.74	14	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							
2	5935	-0.14	-0.62	1.8352	2.64	4.76	5.491	7.4	14	Pass
1	5955	-0.12	-0.56	1.8518	2.68	4.76	5.541	7.44	14	Pass
45	6175	1.84	1.07	2.807	4.48	4.76	8.399	9.24	14	Pass
93	6415	-0.85	-0.34	1.7469	2.42	4.76	5.227	7.18	14	Pass
97	6435	1.71	1.56	2.915	4.65	4.29	7.828	8.94	14	Pass
105	6475	1.94	1.53	2.985	4.75	4.29	8.016	9.04	14	Pass
113	6515	1.98	1.58	3.016	4.79	4.29	8.099	9.08	14	Pass
117	6535	1.87	1.22	2.862	4.57	4.61	8.273	9.18	14	Pass
149	6695	1.39	1.11	2.668	4.26	4.61	7.712	8.87	14	Pass
181	6855	1.17	1.08	2.592	4.14	4.61	7.493	8.75	14	Pass
185	6875	0.90	0.86	2.449	3.89	4.61	7.079	8.5	14	Pass
209	6995	1.80	1.14	2.814	4.49	4.09	7.216	8.58	14	Pass
233	7115	0.14	0.07	2.049	3.12	4.09	5.255	7.21	14	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	2.75	2.54	3.678	5.66	4.76	11.006	10.42	14	Pass
43	6165	4.05	4.25	5.202	7.16	4.76	15.566	11.92	14	Pass
91	6405	2.58	2.65	3.652	5.63	4.76	10.928	10.39	14	Pass
99	6445	4.28	4.39	5.427	7.35	4.29	14.573	11.64	14	Pass
107	6485	4.55	4.68	5.789	7.63	4.29	15.545	11.92	14	Pass
115	6525	3.70	3.79	4.738	6.76	4.61	13.696	11.37	14	Pass
123	6565	3.59	3.62	4.587	6.62	4.61	13.26	11.23	14	Pass
155	6725	4.20	3.87	5.068	7.05	4.61	14.65	11.66	14	Pass
179	6845	4.12	3.87	5.02	7.01	4.61	14.511	11.62	14	Pass
187	6885	4.59	4.61	5.768	7.61	4.09	14.792	11.7	14	Pass
211	7005	4.98	4.62	6.045	7.81	4.09	15.502	11.9	14	Pass
227	7085	3.26	3.48	4.347	6.38	4.09	11.148	10.47	14	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	5.47	5.53	7.096	8.51	4.76	21.233	13.27	14	Pass
39	6145	6.32	6.04	8.303	9.19	4.76	24.845	13.95	14	Pass
87	6385	5.62	5.57	7.253	8.61	4.76	21.703	13.37	14	Pass
103	6465	6.68	6.41	9.031	9.56	4.29	24.251	13.85	14	Pass
119	6545	6.15	6.39	8.476	9.28	4.61	24.501	13.89	14	Pass
151	6705	6.09	6.20	8.233	9.16	4.61	23.799	13.77	14	Pass
183	6865	6.04	6.25	8.235	9.16	4.61	23.805	13.77	14	Pass
199	6945	6.58	6.69	9.216	9.65	4.09	23.634	13.74	14	Pass
215	7025	6.59	6.74	9.281	9.68	4.09	23.801	13.77	14	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	6.09	6.16	8.195	9.14	4.76	24.522	13.9	14	Pass
47	6185	6.06	6.18	8.186	9.13	4.76	24.495	13.89	14	Pass
79	6345	6.02	6.05	8.027	9.05	4.76	24.019	13.81	14	Pass
111	6505	6.41	6.32	8.661	9.38	4.61	25.036	13.99	14	Pass
143	6665	6.15	6.25	8.338	9.21	4.61	24.102	13.82	14	Pass
175	6825	6.11	6.29	8.339	9.21	4.61	24.105	13.82	14	Pass
207	6985	6.69	6.74	9.387	9.73	4.09	24.073	13.82	14	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 (HE20) 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							
2	5935	-8.19	-8.92	0.2799	-5.53	4.76	0.8375	-0.77	14	Pass
1	5955	-7.68	-7.91	0.3324	-4.78	4.76	0.9946	-0.02	14	Pass
93	6415	-7.75	-7.96	0.3278	-4.84	4.76	0.9809	-0.08	14	Pass
97	6435	-7.28	-7.48	0.3657	-4.37	4.29	0.982	-0.08	14	Pass
113	6515	-7.25	-7.49	0.3666	-4.36	4.29	0.9844	-0.07	14	Pass
117	6535	-7.66	-7.83	0.3362	-4.73	4.61	0.9718	-0.12	14	Pass
185	6875	-7.69	-7.99	0.3291	-4.83	4.61	0.9513	-0.22	14	Pass
209	6995	-7.12	-7.45	0.374	-4.27	4.09	0.9591	-0.18	14	Pass
233	7115	-8.18	-8.84	0.2827	-5.49	4.09	0.725	-1.4	14	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 (HE20) 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							
2	5935	-5.12	-5.95	0.5617	-2.50	4.76	1.681	2.26	14	Pass
1	5955	-4.61	-4.83	0.6748	-1.71	4.76	2.019	3.05	14	Pass
93	6415	-4.63	-4.96	0.6635	-1.78	4.76	1.985	2.98	14	Pass
97	6435	-4.21	-4.37	0.7449	-1.28	4.29	2	3.01	14	Pass
113	6515	-4.18	-4.41	0.7442	-1.28	4.29	1.998	3.01	14	Pass
117	6535	-4.61	-4.99	0.6629	-1.79	4.61	1.916	2.82	14	Pass
185	6875	-4.78	-4.97	0.6511	-1.86	4.61	1.882	2.75	14	Pass
209	6995	-4.19	-4.75	0.716	-1.45	4.09	1.836	2.64	14	Pass
233	7115	-4.89	-5.58	0.601	-2.21	4.09	1.541	1.88	14	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 (HE20) 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							
2	5935	-3.31	-3.80	0.8835	-0.54	4.76	2.644	4.22	14	Pass
1	5955	-1.78	-1.99	1.2962	1.13	4.76	3.879	5.89	14	Pass
93	6415	-1.65	-1.90	1.3296	1.24	4.76	3.979	6	14	Pass
97	6435	-1.16	-1.43	1.485	1.72	4.29	3.988	6.01	14	Pass
113	6515	-1.35	-1.75	1.4012	1.47	4.29	3.763	5.76	14	Pass
117	6535	-1.82	-1.95	1.2959	1.13	4.61	3.746	5.74	14	Pass
185	6875	-1.70	-1.97	1.3114	1.18	4.61	3.791	5.79	14	Pass
209	6995	-1.16	-1.47	1.4784	1.70	4.09	3.791	5.79	14	Pass
233	7115	-2.81	-3.48	0.9723	-0.12	4.09	2.493	3.97	14	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							
2	5935	-8.15	-8.89	0.2822	-5.49	4.76	0.8444	-0.73	14	Pass
1	5955	-7.66	-7.89	0.334	-4.76	4.76	0.999	0	14	Pass
93	6415	-7.68	-7.92	0.332	-4.79	4.76	0.9934	-0.03	14	Pass
97	6435	-7.21	-7.41	0.3717	-4.30	4.29	0.9981	-0.01	14	Pass
113	6515	-7.18	-7.44	0.3717	-4.30	4.29	0.9981	-0.01	14	Pass
117	6535	-7.62	-7.79	0.3393	-4.69	4.61	0.9808	-0.08	14	Pass
185	6875	-7.65	-7.95	0.3321	-4.79	4.61	0.96	-0.18	14	Pass
209	6995	-7.07	-7.38	0.3791	-4.21	4.09	0.9722	-0.12	14	Pass
233	7115	-8.14	-8.76	0.2865	-5.43	4.09	0.7347	-1.34	14	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							
2	5935	-5.07	-5.93	0.5664	-2.47	4.76	1.695	2.29	14	Pass
1	5955	-4.56	-4.79	0.6818	-1.66	4.76	2.04	3.1	14	Pass
93	6415	-4.59	-4.91	0.6704	-1.74	4.76	2.006	3.02	14	Pass
97	6435	-4.15	-4.33	0.7536	-1.23	4.29	2.024	3.06	14	Pass
113	6515	-4.12	-4.36	0.7537	-1.23	4.29	2.024	3.06	14	Pass
117	6535	-4.57	-4.97	0.6676	-1.75	4.61	1.93	2.86	14	Pass
185	6875	-4.72	-4.95	0.6572	-1.82	4.61	1.9	2.79	14	Pass
209	6995	-4.11	-4.69	0.7278	-1.38	4.09	1.866	2.71	14	Pass
233	7115	-4.86	-5.56	0.6046	-2.19	4.09	1.55	1.9	14	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							
2	5935	-3.25	-3.77	0.8929	-0.49	4.76	2.672	4.27	14	Pass
1	5955	-1.71	-1.97	1.3099	1.17	4.76	3.92	5.93	14	Pass
93	6415	-1.61	-1.86	1.3419	1.28	4.76	4.015	6.04	14	Pass
97	6435	-1.09	-1.41	1.5008	1.76	4.29	4.03	6.05	14	Pass
113	6515	-1.27	-1.69	1.4241	1.54	4.29	3.824	5.83	14	Pass
117	6535	-1.79	-1.95	1.3005	1.14	4.61	3.759	5.75	14	Pass
185	6875	-1.64	-1.92	1.3282	1.23	4.61	3.839	5.84	14	Pass
209	6995	-1.02	-1.42	1.5118	1.79	4.09	3.877	5.88	14	Pass
233	7115	-2.77	-3.47	0.9782	-0.10	4.09	2.509	3.99	14	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							
2	5935	-3.35	-3.71	0.888	-0.52	4.76	2.657	4.24	14	Pass
1	5955	-3.16	-3.65	0.9146	-0.39	4.76	2.737	4.37	14	Pass
93	6415	-3.07	-3.42	0.9482	-0.23	4.76	2.837	4.53	14	Pass
97	6435	-2.58	-3.06	1.0464	0.20	4.29	2.81	4.49	14	Pass
113	6515	-2.91	-3.48	0.9604	-0.18	4.29	2.579	4.11	14	Pass
117	6535	-3.16	-3.48	0.9318	-0.31	4.61	2.694	4.3	14	Pass
185	6875	-3.09	-3.34	0.9544	-0.20	4.61	2.759	4.41	14	Pass
209	6995	-2.39	-2.88	1.092	0.38	4.09	2.8	4.47	14	Pass
233	7115	-2.28	-3.05	1.087	0.36	4.09	2.788	4.45	14	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							
2	5935	-2.14	-3.01	1.111	0.46	4.76	3.324	5.22	14	Pass
1	5955	-1.77	-2.61	1.2134	0.84	4.76	3.631	5.6	14	Pass
93	6415	-1.89	-2.50	1.2095	0.83	4.76	3.619	5.59	14	Pass
97	6435	0.15	-0.84	1.8593	2.69	4.29	4.993	6.98	14	Pass
113	6515	0.12	-0.66	1.887	2.76	4.29	5.067	7.05	14	Pass
117	6535	-0.55	-1.01	1.6736	2.24	4.61	4.838	6.85	14	Pass
185	6875	-0.42	-1.15	1.6752	2.24	4.61	4.842	6.85	14	Pass
209	6995	-0.14	-0.86	1.7886	2.53	4.09	4.587	6.62	14	Pass
233	7115	-1.03	-1.92	1.4315	1.56	4.09	3.671	5.65	14	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	4.55	4.34	5.567	7.46	4.76	16.658	12.22	14	Pass
87	6385	4.77	4.38	5.741	7.59	4.76	17.179	12.35	14	Pass
103	6465	6.65	6.39	8.979	9.53	4.29	24.112	13.82	14	Pass
119	6545	6.18	6.05	8.177	9.13	4.61	23.637	13.74	14	Pass
183	6865	6.54	6.09	8.573	9.33	4.61	24.782	13.94	14	Pass
199	6945	6.86	6.17	8.993	9.54	4.09	23.062	13.63	14	Pass
215	7025	6.88	6.35	9.19	9.63	4.09	23.568	13.72	14	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	6.21	6.15	8.299	9.19	4.76	24.833	13.95	14	Pass
79	6345	6.37	5.92	8.244	9.16	4.76	24.668	13.92	14	Pass
111	6505	6.48	6.19	8.605	9.35	4.61	24.874	13.96	14	Pass
143	6665	6.50	5.80	8.269	9.17	4.61	23.903	13.78	14	Pass
175	6825	6.46	6.07	8.472	9.28	4.61	24.49	13.89	14	Pass
207	6985	6.86	6.58	9.403	9.73	4.09	24.114	13.82	14	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	6.28	6.08	8.301	9.19	4.76	24.839	13.95	14	Pass
79	6345	6.38	6.03	8.354	9.22	4.76	24.997	13.98	14	Pass
111	6505	6.51	6.20	8.646	9.37	4.61	24.993	13.98	14	Pass
143	6665	6.31	6.04	8.294	9.19	4.61	23.975	13.8	14	Pass
175	6825	6.58	6.13	8.652	9.37	4.61	25.01	13.98	14	Pass
207	6985	6.51	6.16	8.608	9.35	4.09	22.075	13.44	14	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.

7.2 Maximum Power Spectral Density

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60, 58% RH	Tested By:	Henry Hsu
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1Tx

802.11a

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
2	5935	-9.96	0.13	-9.83	4.76	-5.07	-5	Pass
1	5955	-10.05	0.13	-9.92	4.76	-5.16	-5	Pass
45	6175	-10.06	0.13	-9.93	4.76	-5.17	-5	Pass
93	6415	-10.03	0.13	-9.90	4.76	-5.14	-5	Pass
97	6435	-9.69	0.13	-9.56	4.29	-5.27	-5	Pass
105	6475	-9.6	0.13	-9.47	4.29	-5.18	-5	Pass
113	6515	-9.55	0.13	-9.42	4.29	-5.13	-5	Pass
117	6535	-10.02	0.13	-9.89	4.61	-5.28	-5	Pass
149	6695	-10.18	0.13	-10.05	4.61	-5.44	-5	Pass
181	6855	-9.93	0.13	-9.80	4.61	-5.19	-5	Pass
185	6875	-10.22	0.13	-10.09	4.61	-5.48	-5	Pass
209	6995	-9.43	0.13	-9.30	4.09	-5.21	-5	Pass
233	7115	-9.55	0.13	-9.42	4.09	-5.33	-5	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)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
2	5935	-10.05	4.76	-5.29	-5	Pass
1	5955	-9.77	4.76	-5.01	-5	Pass
45	6175	-10.12	4.76	-5.36	-5	Pass
93	6415	-10.23	4.76	-5.47	-5	Pass
97	6435	-9.78	4.29	-5.49	-5	Pass
105	6475	-9.42	4.29	-5.13	-5	Pass
113	6515	-9.82	4.29	-5.53	-5	Pass
117	6535	-9.74	4.61	-5.13	-5	Pass
149	6695	-9.87	4.61	-5.26	-5	Pass
181	6855	-10.05	4.61	-5.44	-5	Pass
185	6875	-9.96	4.61	-5.35	-5	Pass
209	6995	-9.18	4.09	-5.09	-5	Pass
233	7115	-9.21	4.09	-5.12	-5	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)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
3	5965	-10.07	4.76	-5.31	-5	Pass
43	6165	-9.83	4.76	-5.07	-5	Pass
91	6405	-10.07	4.76	-5.31	-5	Pass
99	6445	-9.50	4.29	-5.21	-5	Pass
107	6485	-9.38	4.29	-5.09	-5	Pass
115	6525	-9.63	4.61	-5.02	-5	Pass
123	6565	-10.10	4.61	-5.49	-5	Pass
155	6725	-10.17	4.61	-5.56	-5	Pass
179	6845	-9.83	4.61	-5.22	-5	Pass
187	6885	-9.48	4.09	-5.39	-5	Pass
211	7005	-9.23	4.09	-5.14	-5	Pass
227	7085	-9.31	4.09	-5.22	-5	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)

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	-10.31	0.19	-10.12	4.76	-5.36	-5	Pass
39	6145	-10.02	0.19	-9.83	4.76	-5.07	-5	Pass
87	6385	-10.19	0.19	-10.00	4.76	-5.24	-5	Pass
103	6465	-9.58	0.19	-9.39	4.29	-5.1	-5	Pass
119	6545	-10.11	0.19	-9.92	4.61	-5.31	-5	Pass
151	6705	-10.13	0.19	-9.94	4.61	-5.33	-5	Pass
183	6865	-9.84	0.19	-9.65	4.61	-5.04	-5	Pass
199	6945	-9.49	0.19	-9.30	4.09	-5.21	-5	Pass
215	7025	-9.97	0.19	-9.78	4.09	-5.69	-5	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)

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	-11.26	0.2	-11.06	4.76	-6.3	-5	Pass
47	6185	-13.24	0.2	-13.04	4.76	-8.28	-5	Pass
79	6345	-11.84	0.2	-11.64	4.76	-6.88	-5	Pass
111	6505	-12.36	0.2	-12.16	4.61	-7.55	-5	Pass
143	6665	-12.82	0.2	-12.62	4.61	-8.01	-5	Pass
175	6825	-12.92	0.2	-12.72	4.61	-8.11	-5	Pass
207	6985	-11.1	0.2	-10.90	4.09	-6.81	-5	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

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
2	5935	-10.18	0.15	-10.03	4.76	-5.27	-5	Pass
1	5955	-9.93	0.15	-9.78	4.76	-5.02	-5	Pass
93	6415	-9.99	0.15	-9.84	4.76	-5.08	-5	Pass
97	6435	-9.63	0.15	-9.48	4.29	-5.19	-5	Pass
113	6515	-9.53	0.15	-9.38	4.29	-5.09	-5	Pass
117	6535	-9.84	0.15	-9.69	4.61	-5.08	-5	Pass
185	6875	-9.89	0.15	-9.74	4.61	-5.13	-5	Pass
209	6995	-9.31	0.15	-9.16	4.09	-5.07	-5	Pass
233	7115	-9.79	0.15	-9.64	4.09	-5.55	-5	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

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
2	5935	-10.08	0.17	-9.91	4.76	-5.15	-5	Pass
1	5955	-9.97	0.17	-9.80	4.76	-5.04	-5	Pass
93	6415	-10.03	0.17	-9.86	4.76	-5.1	-5	Pass
97	6435	-9.48	0.17	-9.31	4.29	-5.02	-5	Pass
113	6515	-9.5	0.17	-9.33	4.29	-5.04	-5	Pass
117	6535	-9.86	0.17	-9.69	4.61	-5.08	-5	Pass
185	6875	-9.83	0.17	-9.66	4.61	-5.05	-5	Pass
209	6995	-9.46	0.17	-9.29	4.09	-5.2	-5	Pass
233	7115	-10.6	0.17	-10.43	4.09	-6.34	-5	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

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
2	5935	-12.42	0.17	-12.25	4.76	-7.49	-5	Pass
1	5955	-10.03	0.17	-9.86	4.76	-5.1	-5	Pass
93	6415	-10.07	0.17	-9.90	4.76	-5.14	-5	Pass
97	6435	-9.58	0.17	-9.41	4.29	-5.12	-5	Pass
113	6515	-9.68	0.17	-9.51	4.29	-5.22	-5	Pass
117	6535	-9.83	0.17	-9.66	4.61	-5.05	-5	Pass
185	6875	-9.89	0.17	-9.72	4.61	-5.11	-5	Pass
209	6995	-9.4	0.17	-9.23	4.09	-5.14	-5	Pass
233	7115	-9.28	0.17	-9.11	4.09	-5.02	-5	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

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
2	5935	-10.13	0.15	-9.98	4.76	-5.22	-5	Pass
1	5955	-10.29	0.15	-10.14	4.76	-5.38	-5	Pass
93	6415	-10.02	0.15	-9.87	4.76	-5.11	-5	Pass
97	6435	-9.47	0.15	-9.32	4.29	-5.03	-5	Pass
113	6515	-9.55	0.15	-9.40	4.29	-5.11	-5	Pass
117	6535	-9.96	0.15	-9.81	4.61	-5.2	-5	Pass
185	6875	-9.77	0.15	-9.62	4.61	-5.01	-5	Pass
209	6995	-9.42	0.15	-9.27	4.09	-5.18	-5	Pass
233	7115	-9.43	0.15	-9.28	4.09	-5.19	-5	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

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
2	5935	-10.06	0.17	-9.89	4.76	-5.13	-5	Pass
1	5955	-10.06	0.17	-9.89	4.76	-5.13	-5	Pass
93	6415	-10.07	0.17	-9.90	4.76	-5.14	-5	Pass
97	6435	-9.6	0.17	-9.43	4.29	-5.14	-5	Pass
113	6515	-9.55	0.17	-9.38	4.29	-5.09	-5	Pass
117	6535	-9.85	0.17	-9.68	4.61	-5.07	-5	Pass
185	6875	-9.94	0.17	-9.77	4.61	-5.16	-5	Pass
209	6995	-9.38	0.17	-9.21	4.09	-5.12	-5	Pass
233	7115	-9.49	0.17	-9.32	4.09	-5.23	-5	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

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	-10.11	0.19	-9.92	4.76	-5.16	-5	Pass
87	6385	-10.16	0.19	-9.97	4.76	-5.21	-5	Pass
103	6465	-9.6	0.19	-9.41	4.29	-5.12	-5	Pass
119	6545	-9.85	0.19	-9.66	4.61	-5.05	-5	Pass
183	6865	-9.87	0.19	-9.68	4.61	-5.07	-5	Pass
199	6945	-9.33	0.19	-9.14	4.09	-5.05	-5	Pass
215	7025	-9.41	0.19	-9.22	4.09	-5.13	-5	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

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	-11.29	0.31	-10.98	4.76	-6.22	-5	Pass
79	6345	-11.44	0.31	-11.13	4.76	-6.37	-5	Pass
111	6505	-12.57	0.31	-12.26	4.61	-7.65	-5	Pass
143	6665	-12.54	0.31	-12.23	4.61	-7.62	-5	Pass
175	6825	-12.22	0.31	-11.91	4.61	-7.3	-5	Pass
207	6985	-10.92	0.31	-10.61	4.09	-6.52	-5	Pass

Notes:

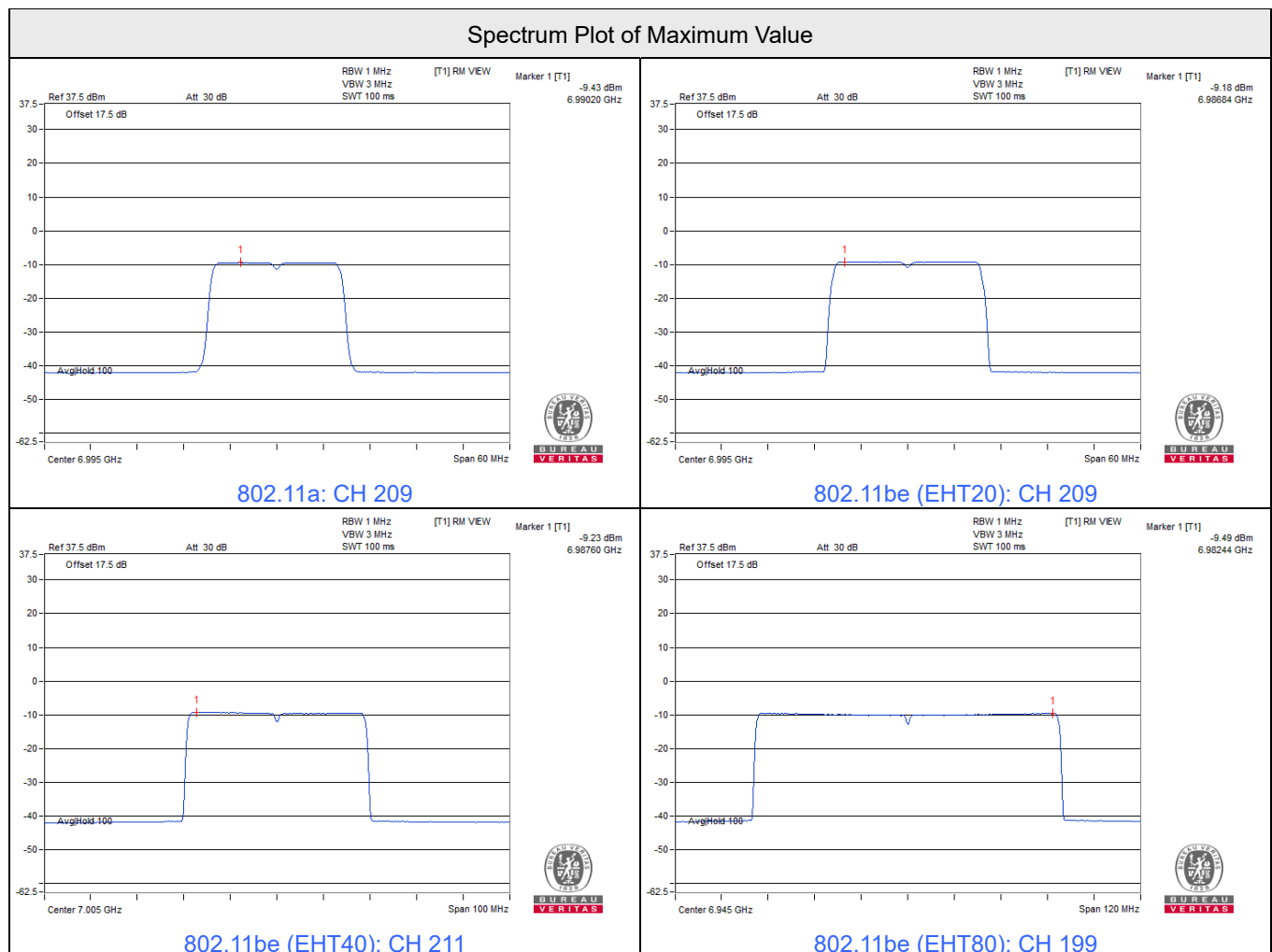
1. For U-NII-5, The antenna gain is 4.76 dBi.
2. For U-NII-6, The antenna gain is 4.29 dBi.
3. For U-NII-7, The antenna gain is 4.61 dBi.
4. For U-NII-8, The antenna gain is 4.09 dBi.

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

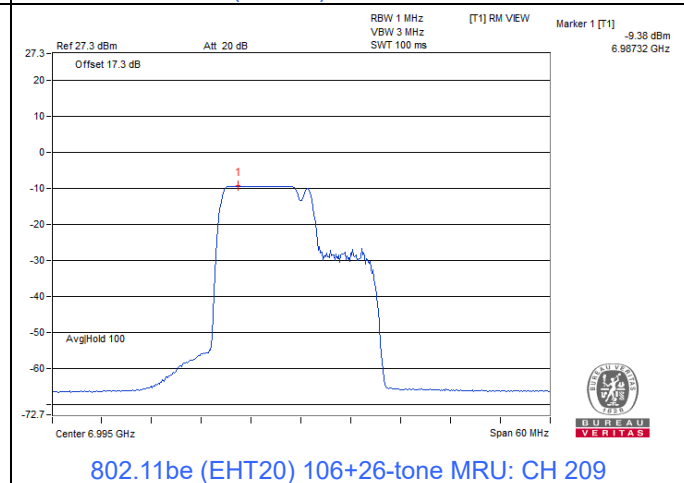
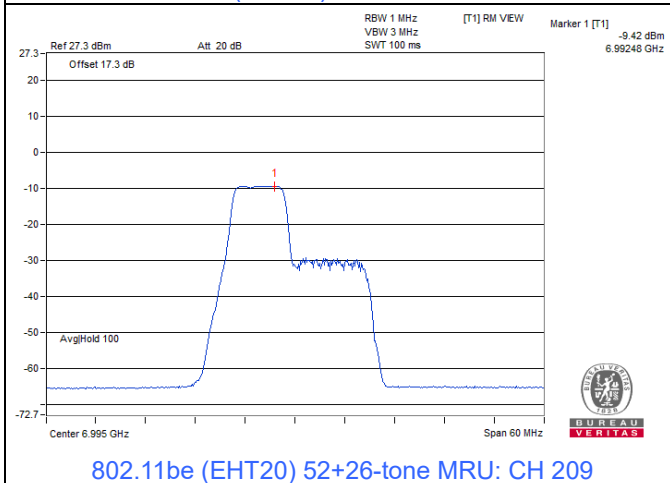
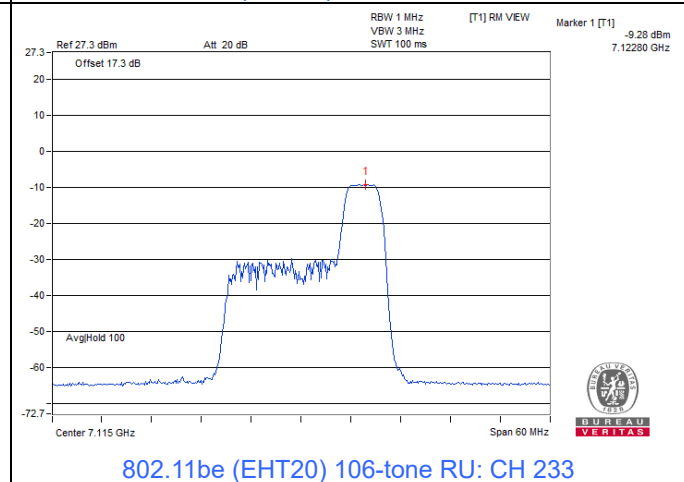
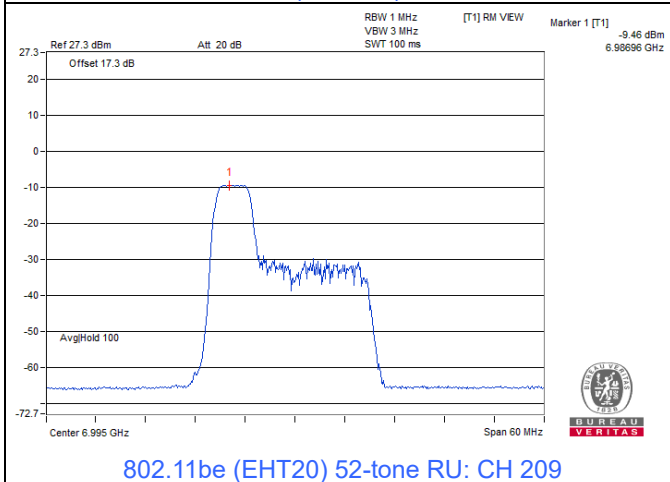
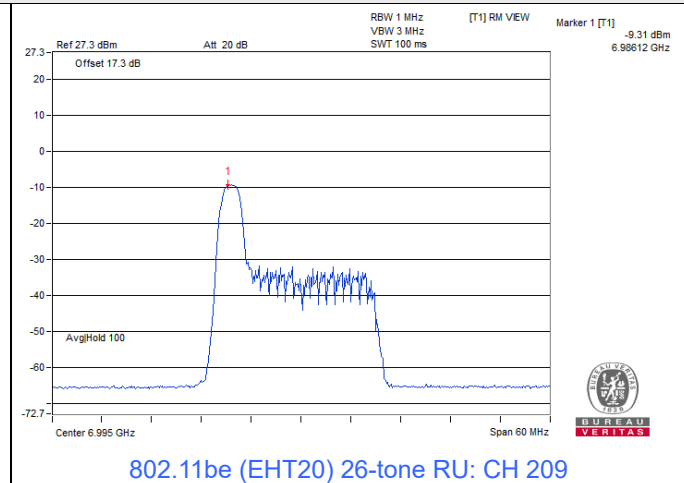
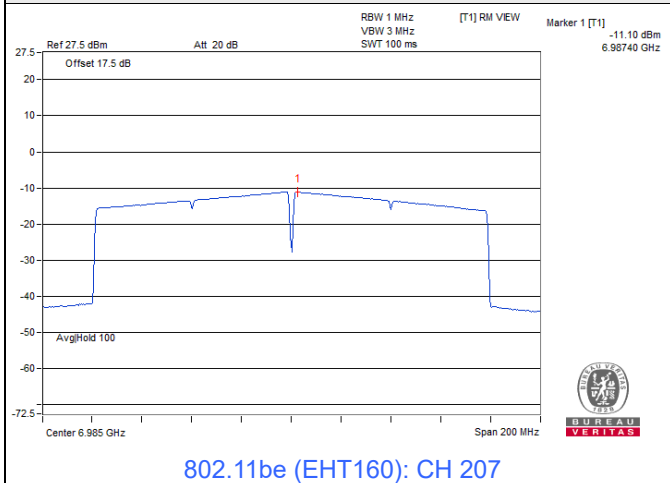
Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
15	6025	-12.32	0.26	-12.06	4.76	-7.3	-5	Pass
79	6345	-12.26	0.26	-12.00	4.76	-7.24	-5	Pass
111	6505	-13.67	0.26	-13.41	4.61	-8.8	-5	Pass
143	6665	-13.12	0.26	-12.86	4.61	-8.25	-5	Pass
175	6825	-12.91	0.26	-12.65	4.61	-8.04	-5	Pass
207	6985	-11.4	0.26	-11.14	4.09	-7.05	-5	Pass

Notes:

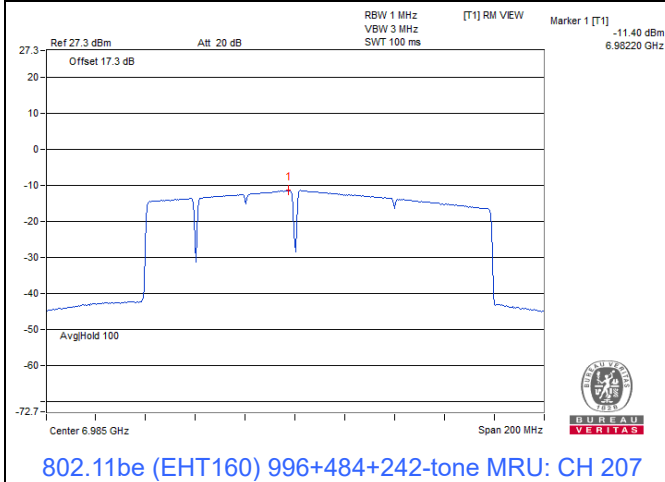
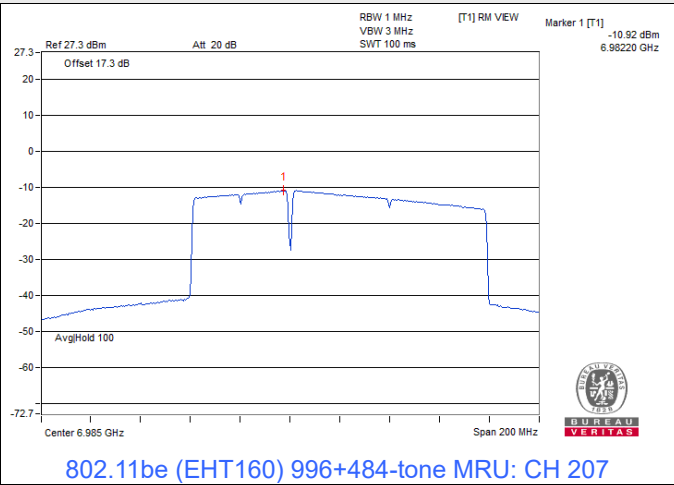
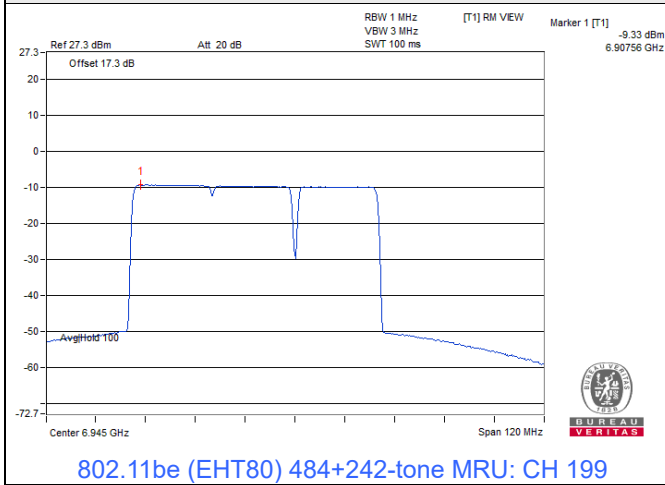
1. For U-NII-5, The antenna gain is 4.76 dBi.
2. For U-NII-6, The antenna gain is 4.29 dBi.
3. For U-NII-7, The antenna gain is 4.61 dBi.
4. For U-NII-8, The antenna gain is 4.09 dBi.



Spectrum Plot of Maximum Value



Spectrum Plot of Maximum Value



Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 58, 60% RH	Tested By:	Henry Hsu
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2Tx

802.11a 1S2T

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						
2	5935	-16.01	-16.58	0.18	-13.10	7.77	-5.33	-5	Pass
1	5955	-15.81	-16.17	0.18	-12.80	7.77	-5.03	-5	Pass
45	6175	-15.73	-16.40	0.18	-12.86	7.77	-5.09	-5	Pass
93	6415	-15.94	-16.26	0.18	-12.91	7.77	-5.14	-5	Pass
97	6435	-15.30	-15.90	0.18	-12.40	7.30	-5.1	-5	Pass
105	6475	-15.44	-15.70	0.18	-12.38	7.30	-5.08	-5	Pass
113	6515	-15.62	-15.89	0.18	-12.56	7.30	-5.26	-5	Pass
117	6535	-16.08	-16.24	0.18	-12.97	7.62	-5.35	-5	Pass
149	6695	-15.67	-16.29	0.18	-12.78	7.62	-5.16	-5	Pass
181	6855	-15.99	-16.26	0.18	-12.93	7.62	-5.31	-5	Pass
185	6875	-16.01	-16.47	0.18	-13.04	7.62	-5.42	-5	Pass
209	6995	-14.89	-15.80	0.18	-12.13	7.10	-5.03	-5	Pass
233	7115	-15.15	-16.39	0.18	-12.54	7.10	-5.44	-5	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						
2	5935	-13.05	-13.27	0.14	-10.01	4.76	-5.25	-5	Pass
1	5955	-12.93	-13.36	0.14	-9.99	4.76	-5.23	-5	Pass
45	6175	-13.27	-13.27	0.14	-10.12	4.76	-5.36	-5	Pass
93	6415	-13.41	-13.04	0.14	-10.07	4.76	-5.31	-5	Pass
97	6435	-13.02	-12.70	0.14	-9.71	4.29	-5.42	-5	Pass
105	6475	-12.97	-12.76	0.14	-9.71	4.29	-5.42	-5	Pass
113	6515	-12.91	-12.72	0.14	-9.66	4.29	-5.37	-5	Pass
117	6535	-13.09	-13.04	0.14	-9.91	4.61	-5.3	-5	Pass
149	6695	-13.26	-12.93	0.14	-9.94	4.61	-5.33	-5	Pass
181	6855	-13.29	-12.82	0.14	-9.90	4.61	-5.29	-5	Pass
185	6875	-12.82	-12.91	0.14	-9.71	4.61	-5.1	-5	Pass
209	6995	-12.85	-12.54	0.14	-9.54	4.09	-5.45	-5	Pass
233	7115	-12.64	-12.27	0.14	-9.30	4.09	-5.21	-5	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 (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	-13.04	-13.50	0.12	-10.13	4.76	-5.37	-5	Pass
43	6165	-13.01	-13.10	0.12	-9.92	4.76	-5.16	-5	Pass
91	6405	-13.18	-12.91	0.12	-9.91	4.76	-5.15	-5	Pass
99	6445	-12.94	-12.69	0.12	-9.68	4.29	-5.39	-5	Pass
107	6485	-12.57	-12.64	0.12	-9.47	4.29	-5.18	-5	Pass
115	6525	-13.31	-13.09	0.12	-10.07	4.61	-5.46	-5	Pass
123	6565	-13.25	-13.21	0.12	-10.10	4.61	-5.49	-5	Pass
155	6725	-12.82	-12.93	0.12	-9.74	4.61	-5.13	-5	Pass
179	6845	-13.14	-13.24	0.12	-10.06	4.61	-5.45	-5	Pass
187	6885	-12.52	-12.43	0.12	-9.34	4.09	-5.25	-5	Pass
211	7005	-12.86	-12.04	0.12	-9.30	4.09	-5.21	-5	Pass
227	7085	-12.63	-12.80	0.12	-9.58	4.09	-5.49	-5	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 (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	-13.26	-13.20	0.21	-10.01	4.76	-5.25	-5	Pass
39	6145	-14.30	-13.37	0.21	-10.59	4.76	-5.83	-5	Pass
87	6385	-13.72	-13.17	0.21	-10.22	4.76	-5.46	-5	Pass
103	6465	-14.27	-13.47	0.21	-10.63	4.29	-6.34	-5	Pass
119	6545	-14.08	-13.54	0.21	-10.58	4.61	-5.97	-5	Pass
151	6705	-14.56	-13.95	0.21	-11.02	4.61	-6.41	-5	Pass
183	6865	-14.21	-13.67	0.21	-10.71	4.61	-6.1	-5	Pass
199	6945	-14.38	-13.64	0.21	-10.77	4.09	-6.68	-5	Pass
215	7025	-13.36	-12.67	0.21	-9.78	4.09	-5.69	-5	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	-14.69	-15.06	0.21	-11.65	4.76	-6.89	-5	Pass
47	6185	-16.59	-16.55	0.21	-13.35	4.76	-8.59	-5	Pass
79	6345	-15.68	-15.45	0.21	-12.34	4.76	-7.58	-5	Pass
111	6505	-16.11	-15.63	0.21	-12.64	4.61	-8.03	-5	Pass
143	6665	-16.63	-15.81	0.21	-12.98	4.61	-8.37	-5	Pass
175	6825	-16.74	-15.89	0.21	-13.07	4.61	-8.46	-5	Pass
207	6985	-16.09	-15.49	0.21	-12.56	4.09	-8.47	-5	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						
2	5935	-12.50	-13.87	0.15	-9.97	4.76	-5.21	-5	Pass
1	5955	-12.66	-13.23	0.15	-9.78	4.76	-5.02	-5	Pass
93	6415	-13.00	-13.66	0.15	-10.16	4.76	-5.4	-5	Pass
97	6435	-12.33	-13.00	0.15	-9.49	4.29	-5.2	-5	Pass
113	6515	-12.25	-12.94	0.15	-9.42	4.29	-5.13	-5	Pass
117	6535	-12.81	-13.07	0.15	-9.78	4.61	-5.17	-5	Pass
185	6875	-12.68	-13.05	0.15	-9.70	4.61	-5.09	-5	Pass
209	6995	-12.33	-13.10	0.15	-9.54	4.09	-5.45	-5	Pass
233	7115	-12.78	-13.72	0.15	-10.06	4.09	-5.97	-5	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						
2	5935	-13.00	-14.28	0.17	-10.41	4.76	-5.65	-5	Pass
1	5955	-12.66	-13.39	0.17	-9.83	4.76	-5.07	-5	Pass
93	6415	-12.67	-13.31	0.17	-9.80	4.76	-5.04	-5	Pass
97	6435	-12.42	-12.66	0.17	-9.36	4.29	-5.07	-5	Pass
113	6515	-12.44	-12.68	0.17	-9.38	4.29	-5.09	-5	Pass
117	6535	-12.64	-13.30	0.17	-9.78	4.61	-5.17	-5	Pass
185	6875	-12.77	-13.11	0.17	-9.76	4.61	-5.15	-5	Pass
209	6995	-12.07	-13.01	0.17	-9.33	4.09	-5.24	-5	Pass
233	7115	-12.31	-13.98	0.17	-9.88	4.09	-5.79	-5	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						
2	5935	-14.72	-14.12	0.17	-11.23	4.76	-6.47	-5	Pass
1	5955	-12.69	-13.43	0.17	-9.86	4.76	-5.1	-5	Pass
93	6415	-12.85	-13.09	0.17	-9.79	4.76	-5.03	-5	Pass
97	6435	-12.39	-12.85	0.17	-9.43	4.29	-5.14	-5	Pass
113	6515	-12.34	-13.08	0.17	-9.51	4.29	-5.22	-5	Pass
117	6535	-12.92	-12.95	0.17	-9.75	4.61	-5.14	-5	Pass
185	6875	-12.73	-13.05	0.17	-9.71	4.61	-5.1	-5	Pass
209	6995	-12.23	-13.00	0.17	-9.42	4.09	-5.33	-5	Pass
233	7115	-13.17	-14.24	0.17	-10.49	4.09	-6.4	-5	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 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						
2	5935	-12.76	-13.39	0.15	-9.90	4.76	-5.14	-5	Pass
1	5955	-12.68	-13.32	0.15	-9.83	4.76	-5.07	-5	Pass
93	6415	-13.09	-13.46	0.15	-10.11	4.76	-5.35	-5	Pass
97	6435	-12.22	-13.04	0.15	-9.45	4.29	-5.16	-5	Pass
113	6515	-12.42	-13.10	0.15	-9.59	4.29	-5.3	-5	Pass
117	6535	-12.79	-13.37	0.15	-9.91	4.61	-5.3	-5	Pass
185	6875	-12.53	-13.29	0.15	-9.73	4.61	-5.12	-5	Pass
209	6995	-11.80	-12.90	0.15	-9.15	4.09	-5.06	-5	Pass
233	7115	-11.95	-13.11	0.15	-9.33	4.09	-5.24	-5	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						
2	5935	-13.08	-13.77	0.17	-10.23	4.76	-5.47	-5	Pass
1	5955	-12.81	-13.54	0.17	-9.98	4.76	-5.22	-5	Pass
93	6415	-13.08	-13.62	0.17	-10.16	4.76	-5.4	-5	Pass
97	6435	-12.44	-13.36	0.17	-9.70	4.29	-5.41	-5	Pass
113	6515	-12.56	-12.76	0.17	-9.48	4.29	-5.19	-5	Pass
117	6535	-12.87	-13.32	0.17	-9.91	4.61	-5.3	-5	Pass
185	6875	-13.33	-12.93	0.17	-9.95	4.61	-5.34	-5	Pass
209	6995	-11.84	-13.21	0.17	-9.29	4.09	-5.2	-5	Pass
233	7115	-12.00	-13.54	0.17	-9.52	4.09	-5.43	-5	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 (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	-13.11	-13.51	0.19	-10.11	4.76	-5.35	-5	Pass
87	6385	-12.85	-13.39	0.19	-9.91	4.76	-5.15	-5	Pass
103	6465	-12.48	-12.98	0.19	-9.52	4.29	-5.23	-5	Pass
119	6545	-12.89	-13.38	0.19	-9.93	4.61	-5.32	-5	Pass
183	6865	-12.56	-13.16	0.19	-9.65	4.61	-5.04	-5	Pass
199	6945	-12.60	-12.23	0.19	-9.21	4.09	-5.12	-5	Pass
215	7025	-12.00	-12.78	0.19	-9.17	4.09	-5.08	-5	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-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	-15.45	-15.89	0.31	-12.34	4.76	-7.58	-5	Pass
79	6345	-14.51	-15.21	0.31	-11.53	4.76	-6.77	-5	Pass
111	6505	-16.54	-15.95	0.31	-12.91	4.61	-8.3	-5	Pass
143	6665	-16.27	-16.15	0.31	-12.89	4.61	-8.28	-5	Pass
175	6825	-15.80	-16.58	0.31	-12.85	4.61	-8.24	-5	Pass
207	6985	-13.75	-14.34	0.31	-10.71	4.09	-6.62	-5	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.

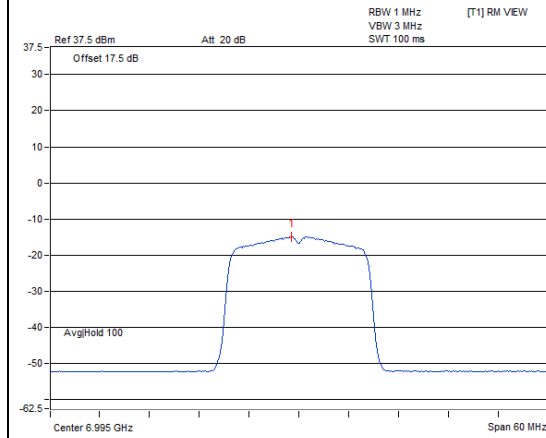
802.11be (EHT160) 996+484+242-tone MRU 2S2T

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	-14.81	-15.24	0.26	-11.75	4.76	-6.99	-5	Pass
79	6345	-14.66	-15.21	0.26	-11.66	4.76	-6.9	-5	Pass
111	6505	-16.22	-16.83	0.26	-13.24	4.61	-8.63	-5	Pass
143	6665	-15.92	-16.51	0.26	-12.93	4.61	-8.32	-5	Pass
175	6825	-15.73	-16.53	0.26	-12.84	4.61	-8.23	-5	Pass
207	6985	-14.57	-14.98	0.26	-11.50	4.09	-7.41	-5	Pass

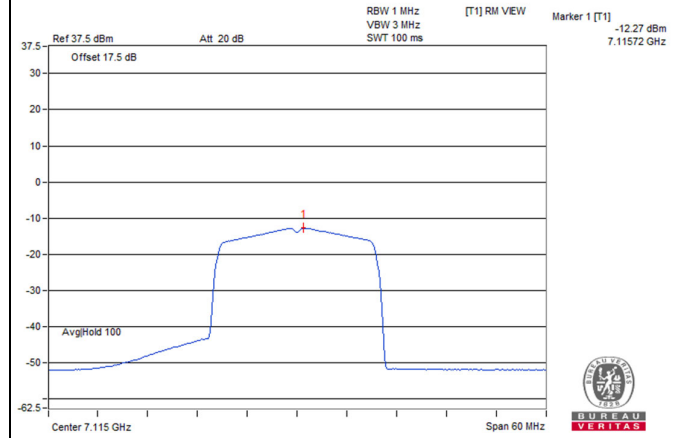
Notes:

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.

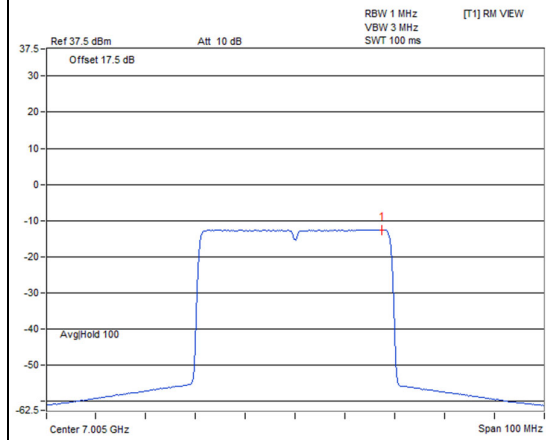
Spectrum Plot of Maximum Value



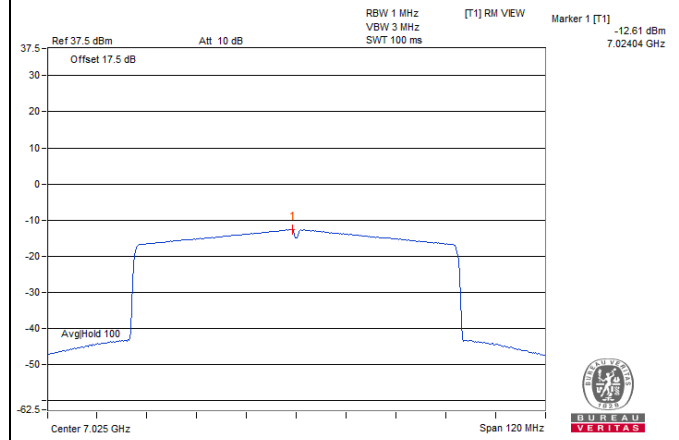
802.11a 1S2T / Chain 0: CH 209



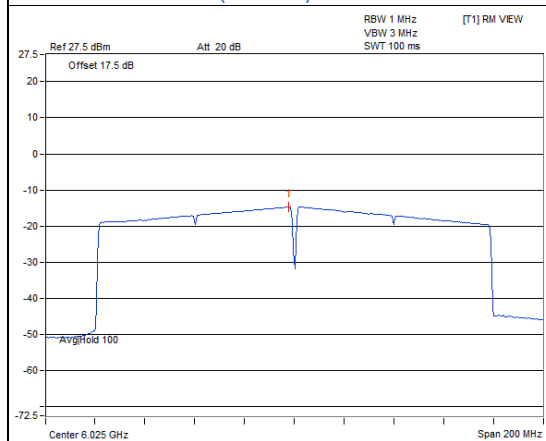
802.11be (EHT20) 2S2T / Chain 1: CH 233



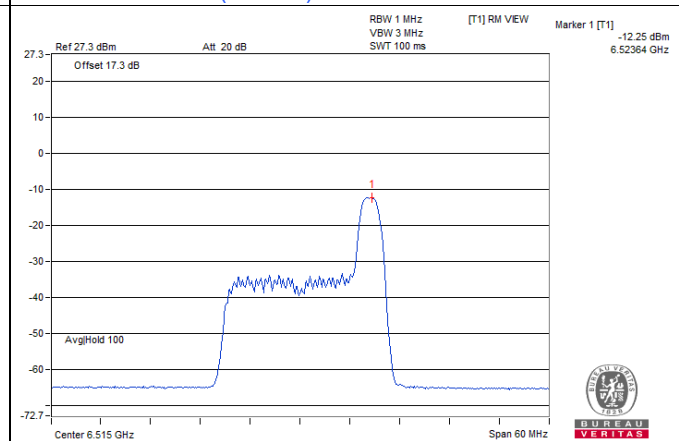
802.11be (EHT40) 2S2T / Chain 1: CH 211



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

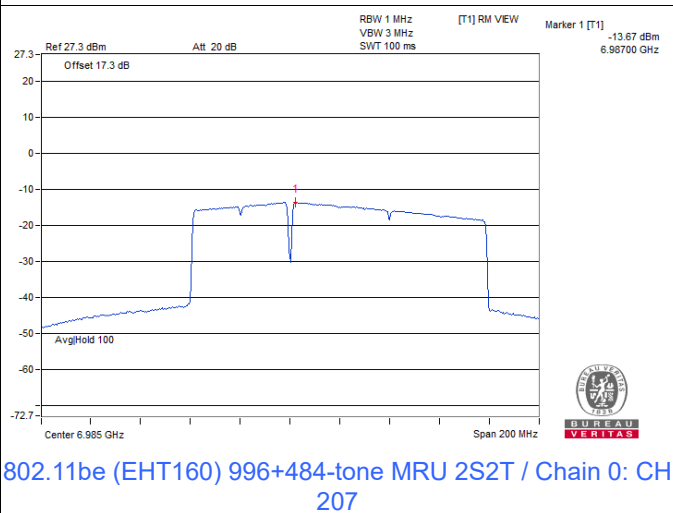
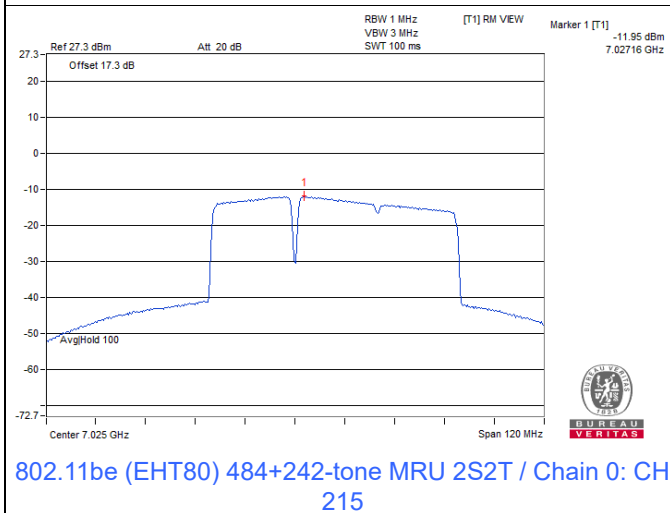
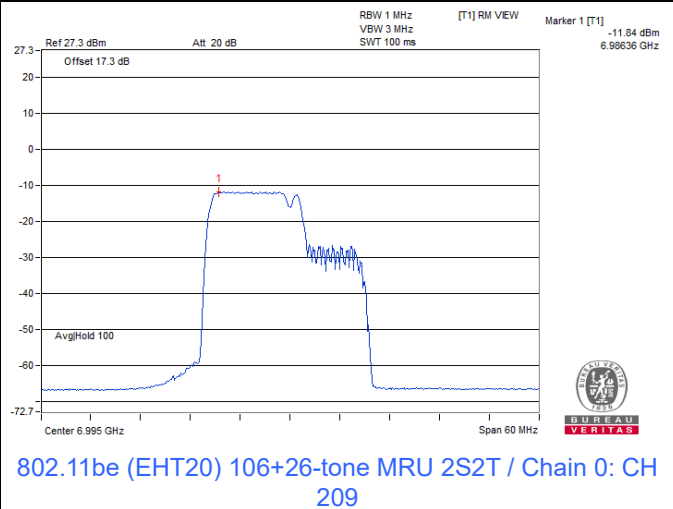
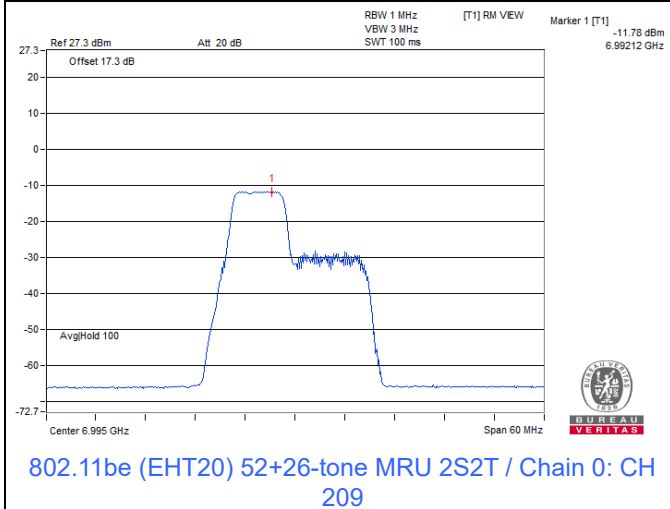
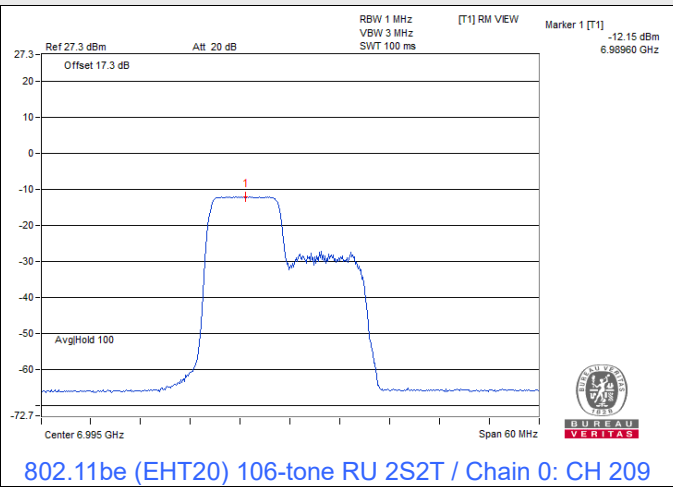
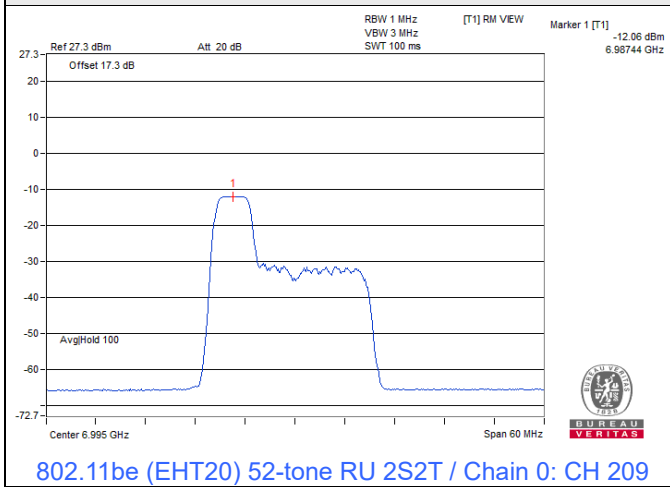


802.11be (EHT160) 2S2T / Chain 0: CH 15

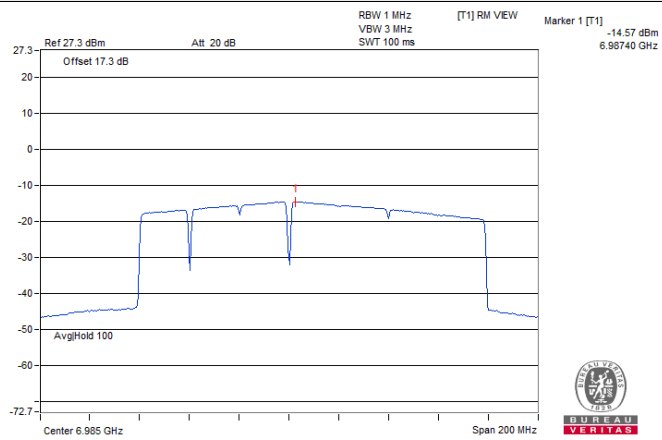


802.11be (EHT20) 26-tone RU 2S2T / Chain 0: CH 113

Spectrum Plot of Maximum Value



Spectrum Plot of Maximum Value



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

7.3 Emission Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60, 58% RH	Tested By:	Henry Hsu
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1Tx

802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
2	5935	18.11	320	Pass
1	5955	19.1	320	Pass
45	6175	18.5	320	Pass
93	6415	18.35	320	Pass
97	6435	18.53	320	Pass
105	6475	18.36	320	Pass
113	6515	18.46	320	Pass
117	6535	18.4	320	Pass
149	6695	18.27	320	Pass
181	6855	18.43	320	Pass
185	6875	18.45	320	Pass
209	6995	18.36	320	Pass
233	7115	18.44	320	Pass

802.11be (EHT20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
2	5935	19.82	320	Pass
1	5955	19.71	320	Pass
45	6175	19.88	320	Pass
93	6415	19.75	320	Pass
97	6435	19.88	320	Pass
105	6475	19.91	320	Pass
113	6515	19.93	320	Pass
117	6535	19.9	320	Pass
149	6695	19.87	320	Pass
181	6855	19.88	320	Pass
185	6875	19.88	320	Pass
209	6995	19.94	320	Pass
233	7115	19.81	320	Pass

802.11be (EHT40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
3	5965	39.59	320	Pass
43	6165	39.8	320	Pass
91	6405	39.5	320	Pass
99	6445	39.71	320	Pass
107	6485	39.82	320	Pass
115	6525	39.8	320	Pass
123	6565	39.75	320	Pass
155	6725	39.67	320	Pass
179	6845	39.79	320	Pass
187	6885	39.77	320	Pass
211	7005	39.85	320	Pass
227	7085	39.6	320	Pass

802.11be (EHT80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
7	5985	79.9	320	Pass
39	6145	80.1	320	Pass
87	6385	79.9	320	Pass
103	6465	79.99	320	Pass
119	6545	80.1	320	Pass
151	6705	80.06	320	Pass
183	6865	80.1	320	Pass
199	6945	80.06	320	Pass
215	7025	79.92	320	Pass

802.11be (EHT160)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
15	6025	162.39	320	Pass
47	6185	162.17	320	Pass
79	6345	161.99	320	Pass
111	6505	162.59	320	Pass
143	6665	162.42	320	Pass
175	6825	162.68	320	Pass
207	6985	162.09	320	Pass

802.11be (EHT20) 26-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
2	5935	19.58	320	Pass
1	5955	19.51	320	Pass
93	6415	19.45	320	Pass
97	6435	19.49	320	Pass
113	6515	19.38	320	Pass
117	6535	19.42	320	Pass
185	6875	19.49	320	Pass
209	6995	19.5	320	Pass
233	7115	19.54	320	Pass

802.11be (EHT20) 52-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
2	5935	19.63	320	Pass
1	5955	19.93	320	Pass
93	6415	19.57	320	Pass
97	6435	19.67	320	Pass
113	6515	19.54	320	Pass
117	6535	19.65	320	Pass
185	6875	19.47	320	Pass
209	6995	19.63	320	Pass
233	7115	19.54	320	Pass

802.11be (EHT20) 106-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
2	5935	19.89	320	Pass
1	5955	19.75	320	Pass
93	6415	19.78	320	Pass
97	6435	19.82	320	Pass
113	6515	19.9	320	Pass
117	6535	19.88	320	Pass
185	6875	19.84	320	Pass
209	6995	20.1	320	Pass
233	7115	19.85	320	Pass

802.11be (EHT20) 52+26-tone MRU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
2	5935	18.7	320	Pass
1	5955	18.92	320	Pass
93	6415	18.88	320	Pass
97	6435	18.99	320	Pass
113	6515	18.72	320	Pass
117	6535	18.8	320	Pass
185	6875	18.62	320	Pass
209	6995	18.95	320	Pass
233	7115	18.73	320	Pass

802.11be (EHT20) 106+26-tone MRU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
2	5935	19.02	320	Pass
1	5955	19.07	320	Pass
93	6415	18.97	320	Pass
97	6435	19.1	320	Pass
113	6515	18.97	320	Pass
117	6535	19.05	320	Pass
185	6875	19.05	320	Pass
209	6995	19.07	320	Pass
233	7115	19.03	320	Pass

802.11be (EHT80) 484+242-tone MRU

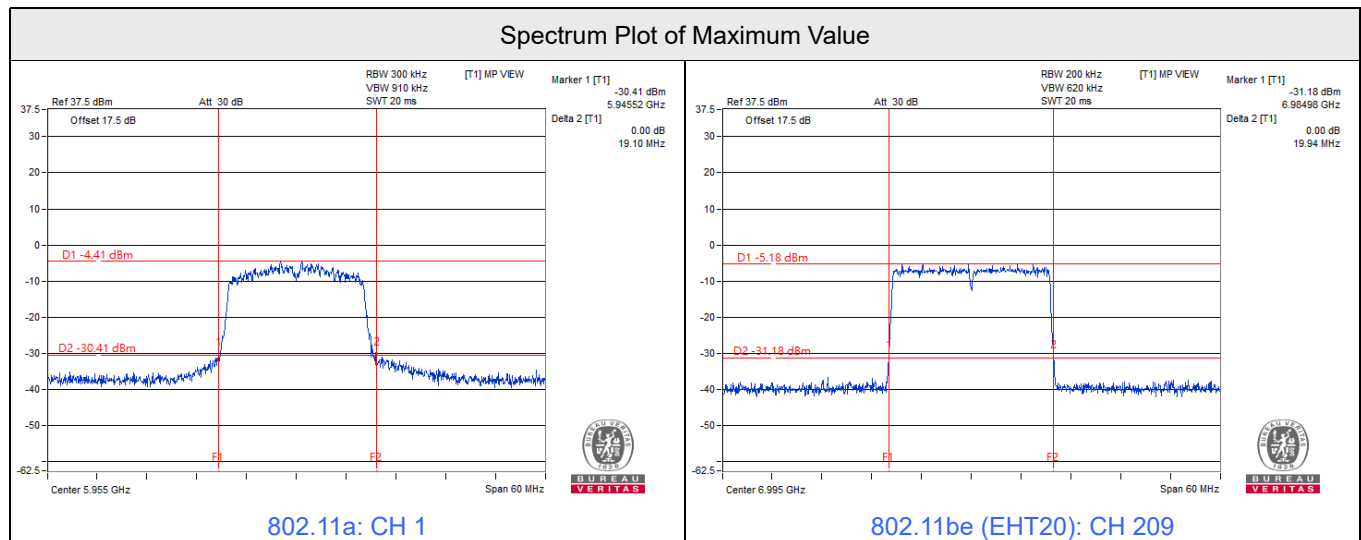
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
7	5985	60.48	320	Pass
87	6385	60.3	320	Pass
103	6465	60.54	320	Pass
119	6545	60.55	320	Pass
183	6865	60.65	320	Pass
199	6945	60.62	320	Pass
215	7025	60.36	320	Pass

802.11be (EHT160) 996+484-tone MRU

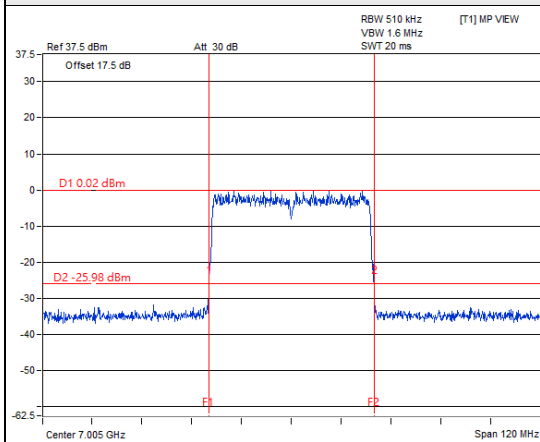
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
15	6025	121.84	320	Pass
79	6345	121.64	320	Pass
111	6505	122.12	320	Pass
143	6665	121.97	320	Pass
175	6825	122.13	320	Pass
207	6985	122.21	320	Pass

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

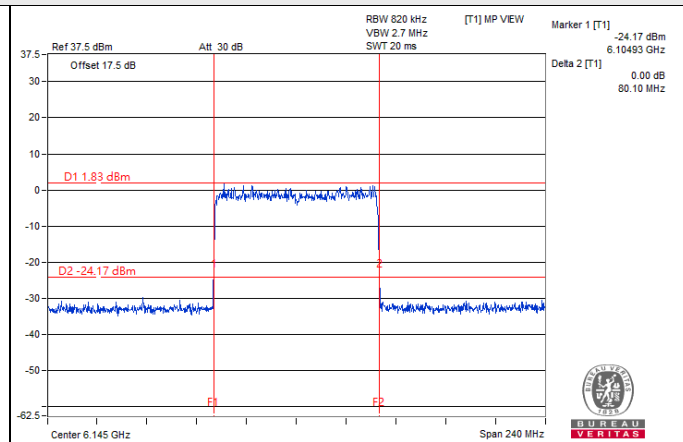
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
15	6025	142.46	320	Pass
79	6345	142.38	320	Pass
111	6505	142.76	320	Pass
143	6665	142.64	320	Pass
175	6825	142.7	320	Pass
207	6985	142.55	320	Pass



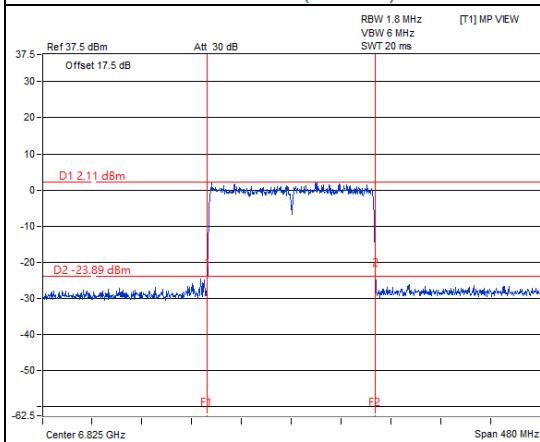
Spectrum Plot of Maximum Value



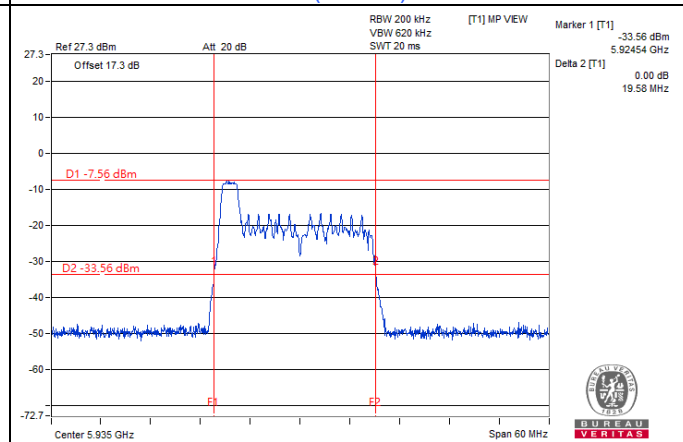
802.11be (EHT40): CH 211



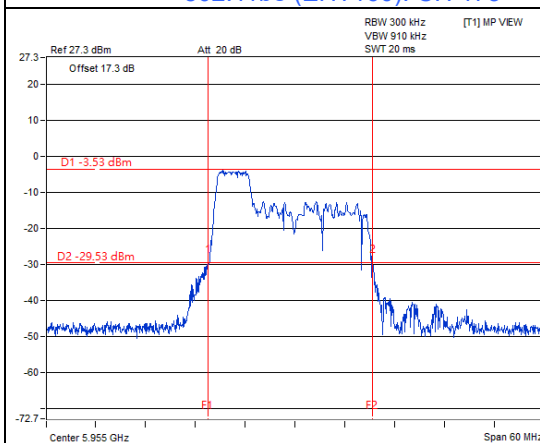
802.11be (EHT80): CH 39



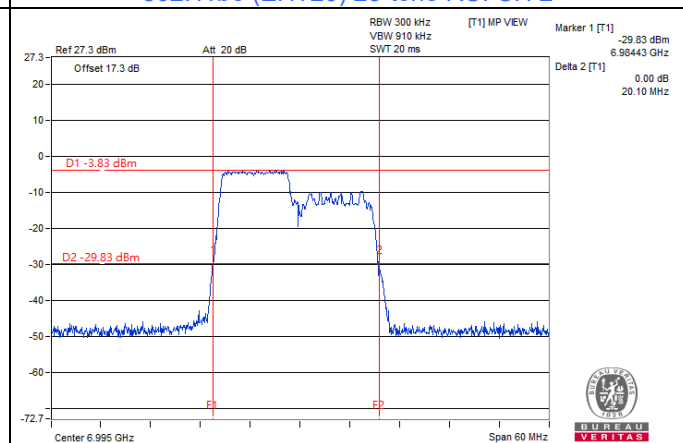
802.11be (EHT160): CH 175



802.11be (EHT20) 26-tone RU: CH 2

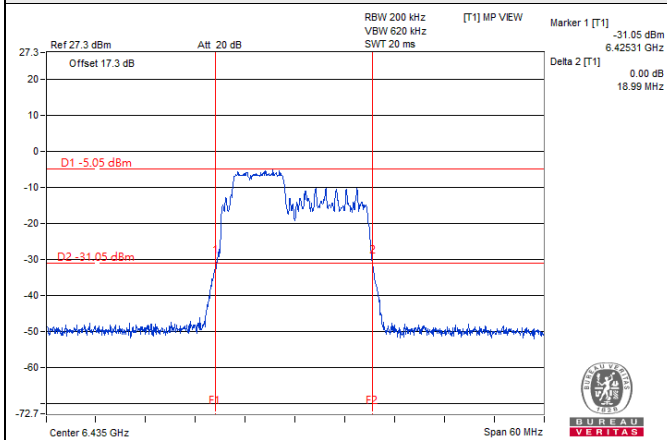


802.11be (EHT20) 52-tone RU: CH 1

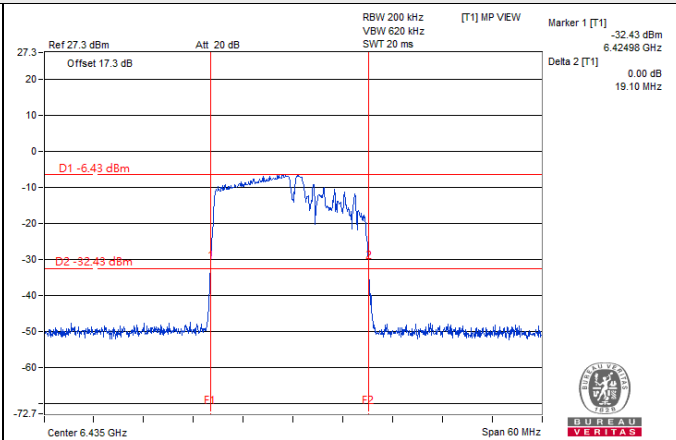


802.11be (EHT20) 106-tone RU: CH 209

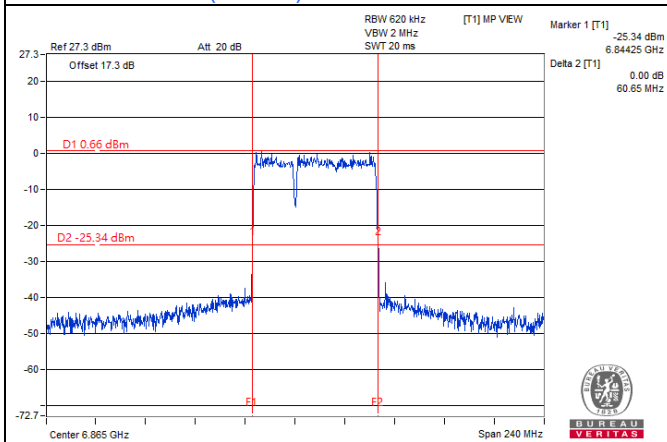
Spectrum Plot of Maximum Value



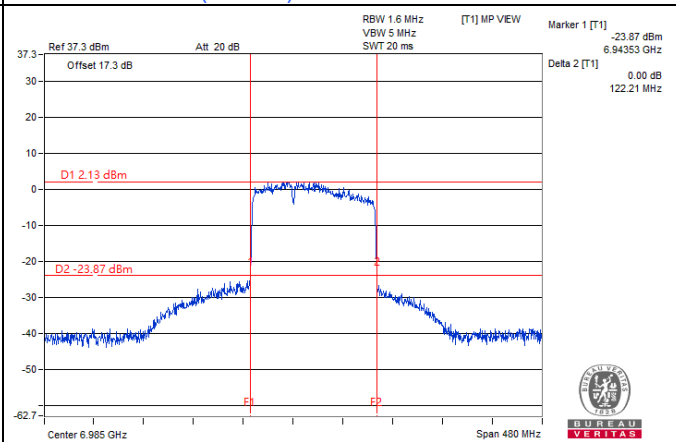
802.11be (EHT20) 52+26-tone MRU: CH 97



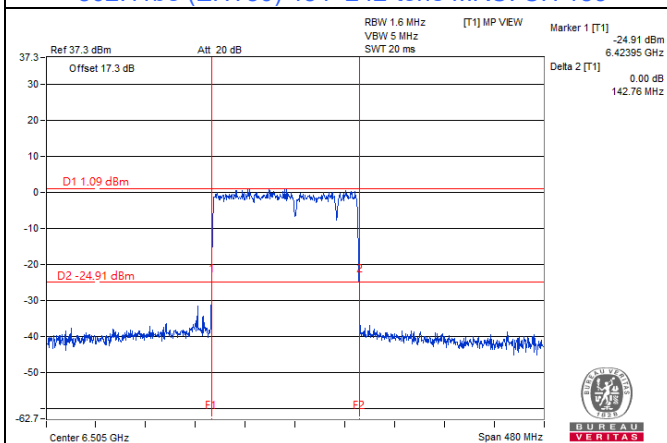
802.11be (EHT20) 106+26-tone MRU: CH 97



802.11be (EHT80) 484+242-tone MRU: CH 183



802.11be (EHT160) 996+484-tone MRU: CH 207



802.11be (EHT160) 996+484+242-tone MRU: CH 111

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 58, 60% RH	Tested By:	Henry Hsu
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2Tx

802.11a 1S2T

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
2	5935	18.43	18.29	320	Pass
1	5955	18.36	18.33	320	Pass
45	6175	17.99	18.12	320	Pass
93	6415	17.99	18.04	320	Pass
97	6435	18.05	18.13	320	Pass
105	6475	18.06	18.10	320	Pass
113	6515	18.09	18.09	320	Pass
117	6535	17.99	17.99	320	Pass
149	6695	17.96	18.10	320	Pass
181	6855	18.03	18.05	320	Pass
185	6875	17.90	18.05	320	Pass
209	6995	18.13	17.97	320	Pass
233	7115	18.76	19.11	320	Pass

802.11be (EHT20) 2S2T

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
2	5935	19.80	19.77	320	Pass
1	5955	19.77	19.94	320	Pass
45	6175	19.85	19.94	320	Pass
93	6415	19.67	19.79	320	Pass
97	6435	19.91	19.94	320	Pass
105	6475	19.84	19.92	320	Pass
113	6515	19.83	19.95	320	Pass
117	6535	19.90	19.98	320	Pass
149	6695	19.83	19.91	320	Pass
181	6855	19.88	19.87	320	Pass
185	6875	19.82	19.96	320	Pass
209	6995	19.87	19.90	320	Pass
233	7115	19.77	19.79	320	Pass

802.11be (EHT40) 2S2T

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
3	5965	39.58	40.05	320	Pass
43	6165	39.78	39.76	320	Pass
91	6405	39.32	39.53	320	Pass
99	6445	39.71	39.70	320	Pass
107	6485	39.76	39.76	320	Pass
115	6525	39.84	39.83	320	Pass
123	6565	39.74	39.83	320	Pass
155	6725	39.70	39.75	320	Pass
179	6845	39.88	39.77	320	Pass
187	6885	39.71	39.78	320	Pass
211	7005	39.70	39.90	320	Pass
227	7085	39.68	39.54	320	Pass

802.11be (EHT80) 2S2T

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
7	5985	79.90	79.98	320	Pass
39	6145	80.08	80.05	320	Pass
87	6385	79.81	79.84	320	Pass
103	6465	80.13	80.12	320	Pass
119	6545	79.98	80.07	320	Pass
151	6705	79.99	80.01	320	Pass
183	6865	80.06	80.09	320	Pass
199	6945	80.02	80.06	320	Pass
215	7025	80.00	80.26	320	Pass

802.11be (EHT160) 2S2T

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	161.89	161.97	320	Pass
47	6185	162.19	162.25	320	Pass
79	6345	161.76	161.91	320	Pass
111	6505	162.38	162.21	320	Pass
143	6665	162.28	162.17	320	Pass
175	6825	162.19	162.24	320	Pass
207	6985	161.95	163.93	320	Pass

802.11be (EHT20) 26-tone RU 2S2T

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
2	5935	19.55	19.34	320	Pass
1	5955	19.51	19.62	320	Pass
93	6415	19.31	19.28	320	Pass
97	6435	19.48	19.46	320	Pass
113	6515	19.43	19.39	320	Pass
117	6535	19.45	19.49	320	Pass
185	6875	19.47	19.32	320	Pass
209	6995	19.49	19.57	320	Pass
233	7115	19.51	19.38	320	Pass

802.11be (EHT20) 52-tone RU 2S2T

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
2	5935	19.67	19.73	320	Pass
1	5955	19.53	19.86	320	Pass
93	6415	19.55	19.39	320	Pass
97	6435	19.67	19.54	320	Pass
113	6515	19.58	19.34	320	Pass
117	6535	19.66	19.51	320	Pass
185	6875	19.58	19.33	320	Pass
209	6995	19.66	19.45	320	Pass
233	7115	19.62	19.38	320	Pass

802.11be (EHT20) 106-tone RU 2S2T

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
2	5935	24.92	24.67	320	Pass
1	5955	20.31	21.44	320	Pass
93	6415	19.90	19.59	320	Pass
97	6435	19.89	19.67	320	Pass
113	6515	19.71	19.52	320	Pass
117	6535	19.89	19.67	320	Pass
185	6875	19.77	19.59	320	Pass
209	6995	19.75	19.72	320	Pass
233	7115	19.46	19.67	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		
2	5935	19.14	18.93	320	Pass
1	5955	18.86	18.97	320	Pass
93	6415	18.57	18.95	320	Pass
97	6435	18.98	18.91	320	Pass
113	6515	18.59	19.03	320	Pass
117	6535	18.54	18.56	320	Pass
185	6875	18.57	18.93	320	Pass
209	6995	18.60	19.03	320	Pass
233	7115	18.71	19.00	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		
2	5935	19.61	18.92	320	Pass
1	5955	19.08	19.00	320	Pass
93	6415	18.97	18.97	320	Pass
97	6435	19.01	18.98	320	Pass
113	6515	19.01	18.93	320	Pass
117	6535	18.96	19.09	320	Pass
185	6875	18.95	19.00	320	Pass
209	6995	18.99	18.95	320	Pass
233	7115	18.96	18.96	320	Pass

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

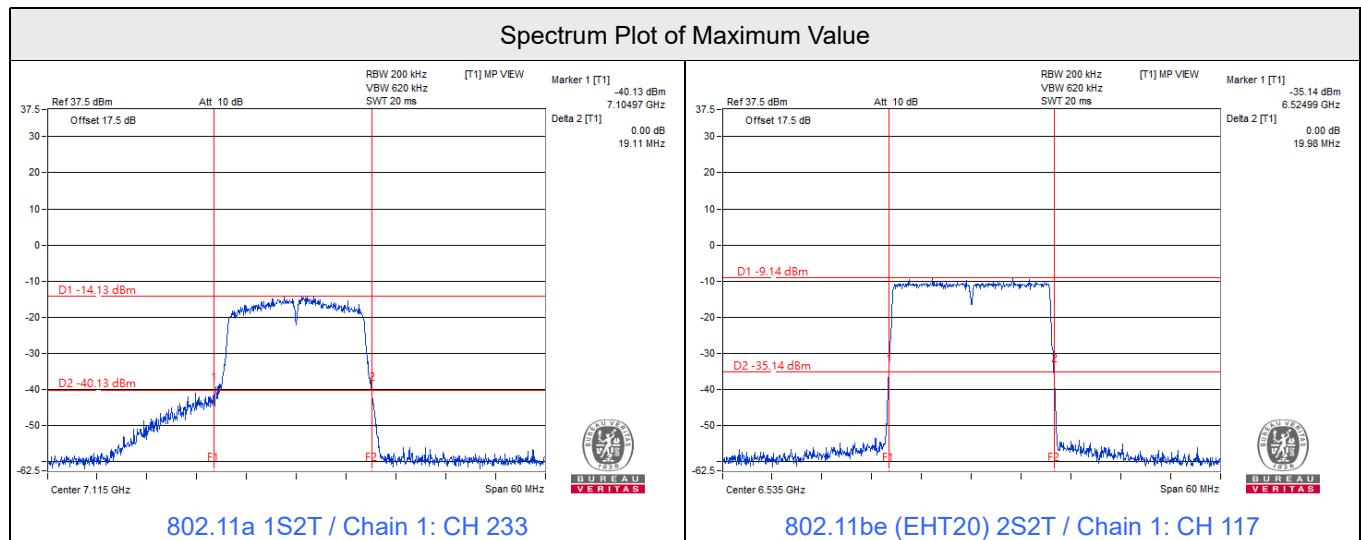
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
7	5985	60.51	60.50	320	Pass
87	6385	60.50	60.31	320	Pass
103	6465	60.67	60.52	320	Pass
119	6545	60.64	60.58	320	Pass
183	6865	60.59	60.60	320	Pass
199	6945	60.54	60.54	320	Pass
215	7025	60.51	60.45	320	Pass

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

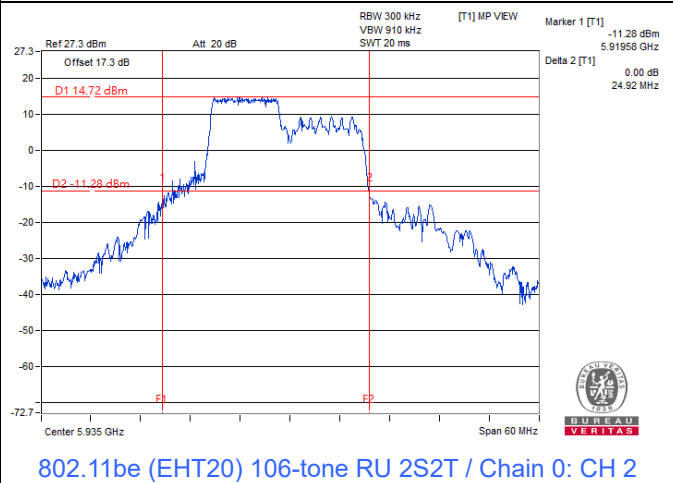
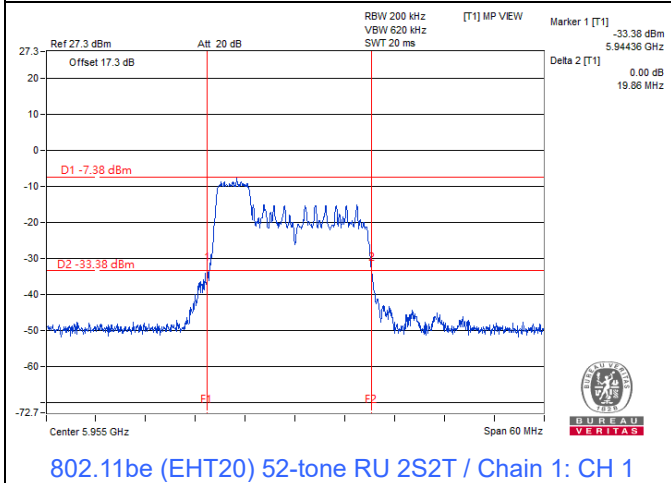
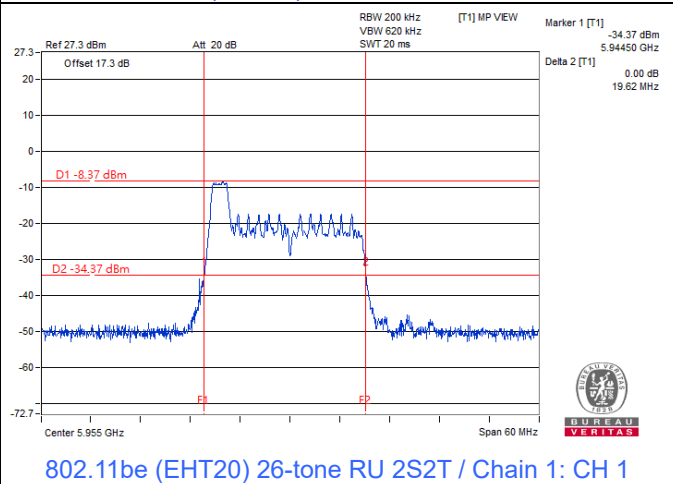
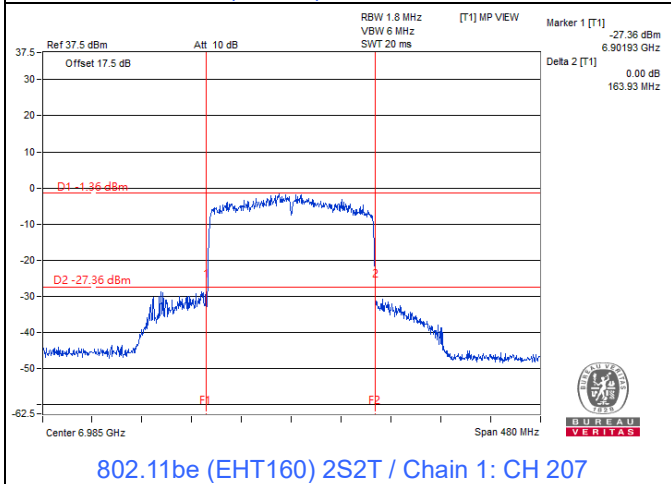
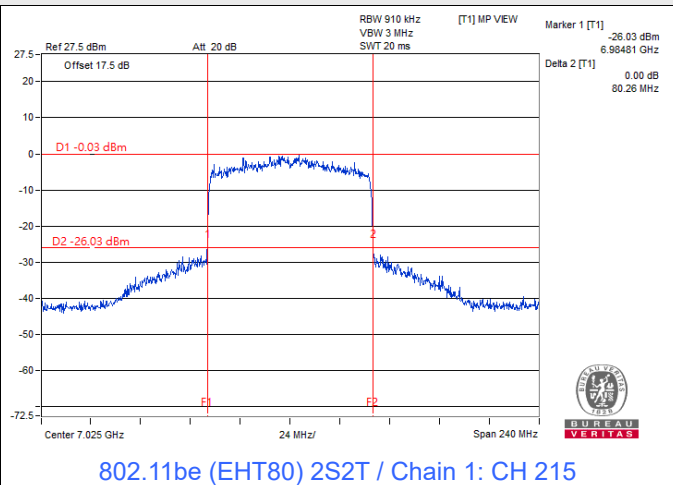
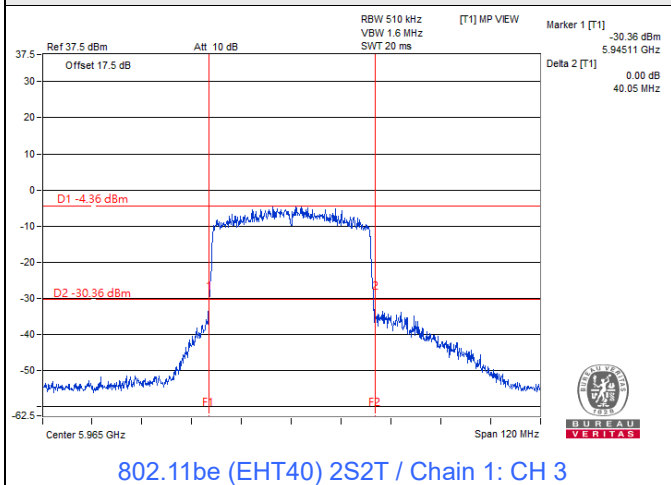
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	121.92	122.06	320	Pass
79	6345	121.66	121.66	320	Pass
111	6505	121.97	122.07	320	Pass
143	6665	121.88	122.17	320	Pass
175	6825	122.08	122.04	320	Pass
207	6985	128.80	121.99	320	Pass

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

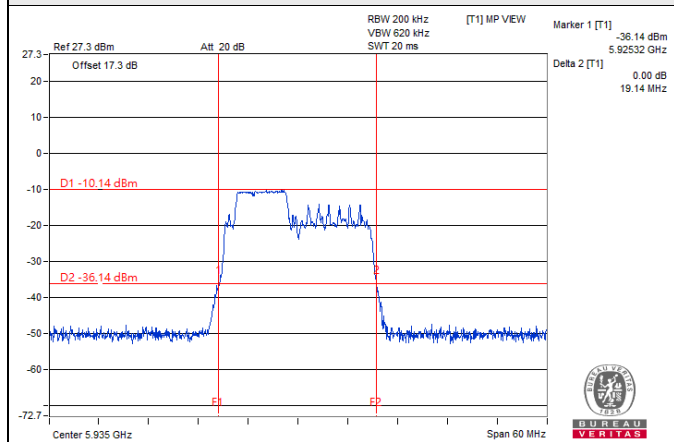
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	142.36	142.43	320	Pass
79	6345	142.34	142.24	320	Pass
111	6505	142.62	142.80	320	Pass
143	6665	142.76	142.69	320	Pass
175	6825	142.86	142.64	320	Pass
207	6985	142.72	142.43	320	Pass



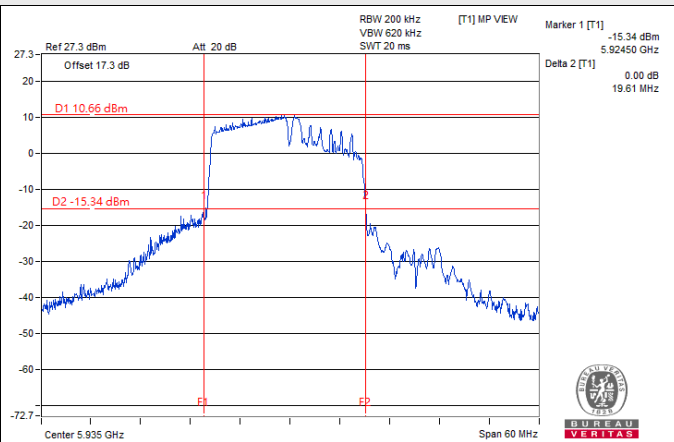
Spectrum Plot of Maximum Value



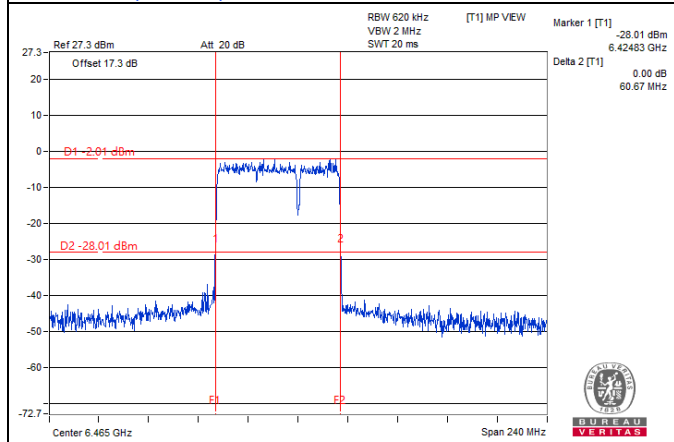
Spectrum Plot of Maximum Value



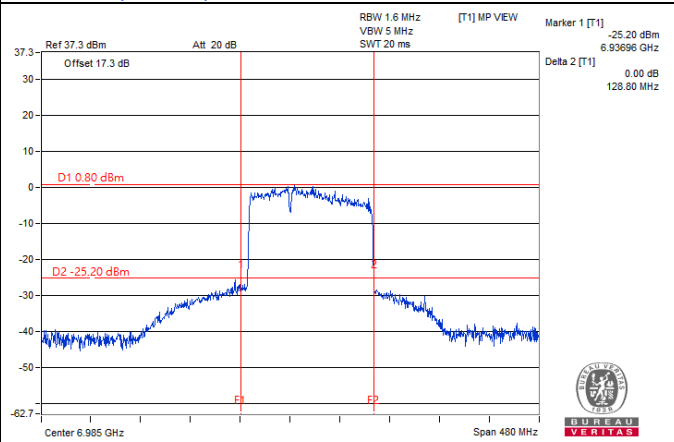
802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 0: CH 2



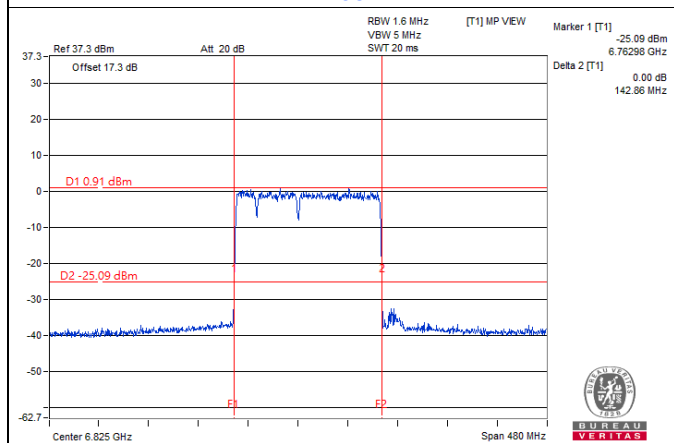
802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 0: CH 2



802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 0: CH 103



802.11be (EHT160) 996+484-tone MRU 2S2T / Chain 0: CH 207



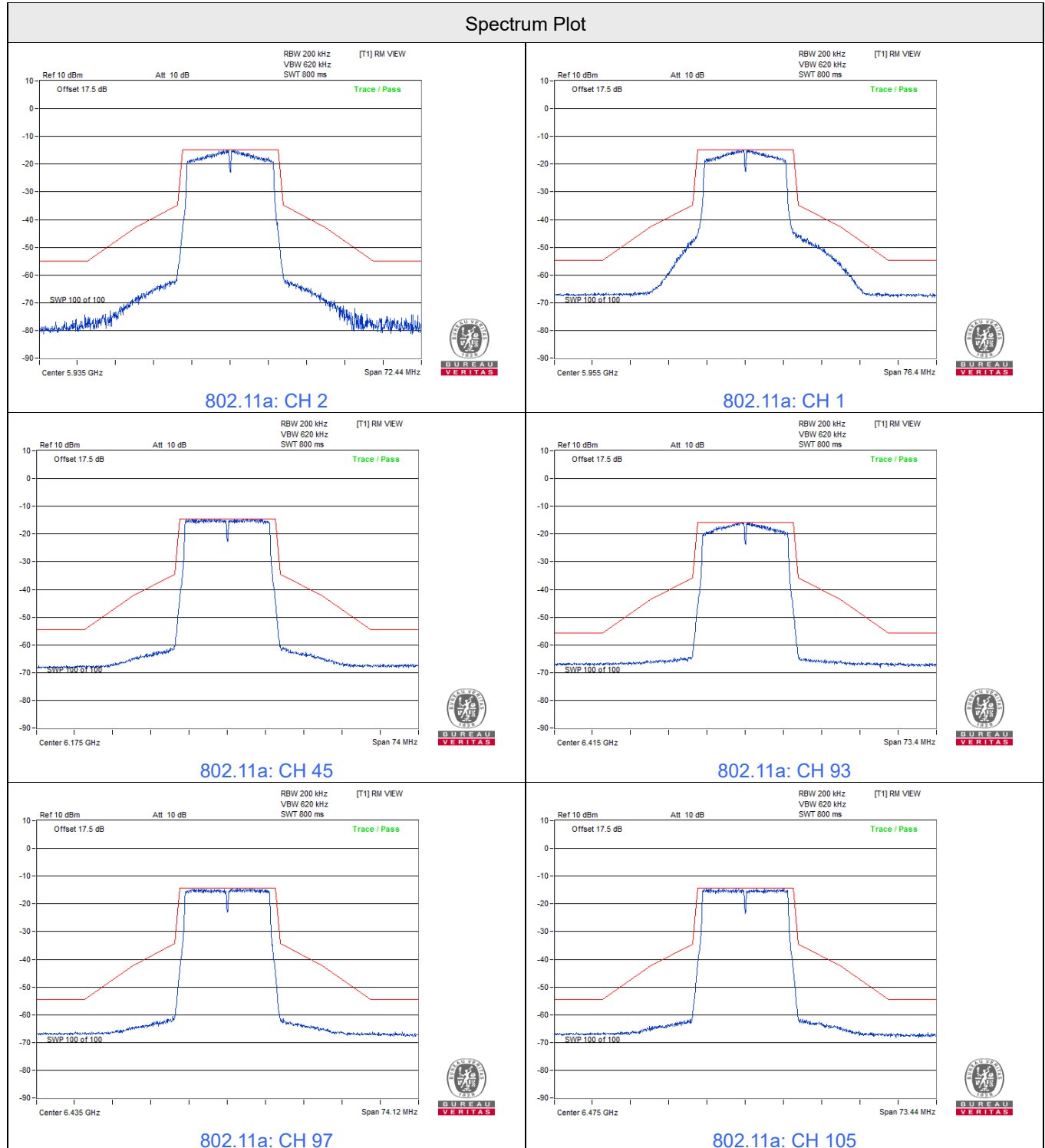
802.11be (EHT160) 996+484+242-tone MRU 2S2T / Chain 0: CH 175

7.4 In-Band Emission Mask

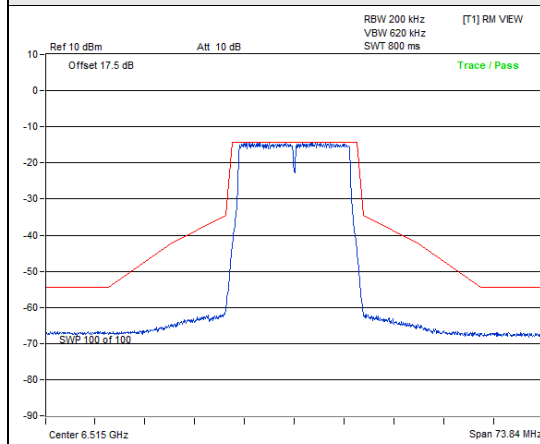
Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60, 58% RH	Tested By:	Henry Hsu
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1Tx

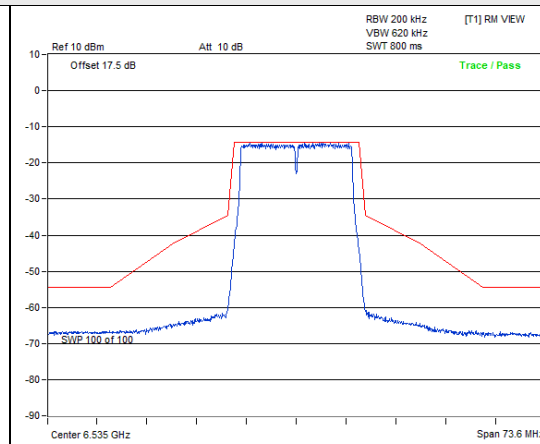
802.11a



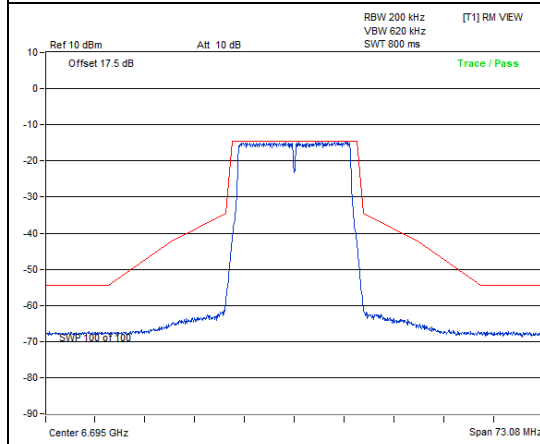
Spectrum Plot



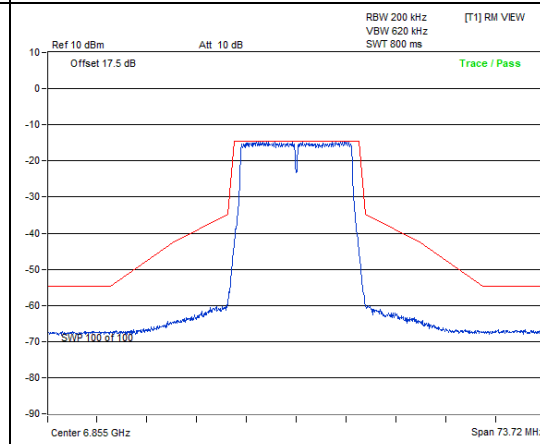
802.11a: CH 113



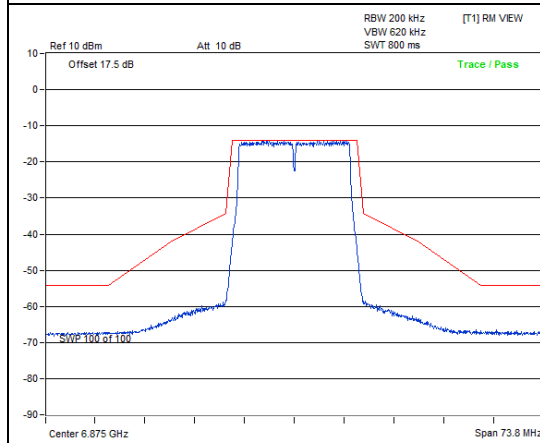
802.11a: CH 117



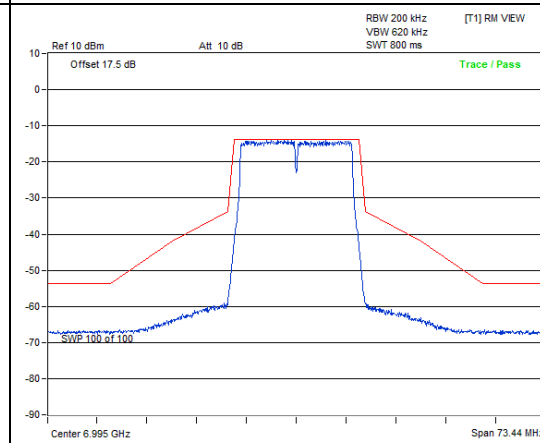
802.11a: CH 149



802.11a: CH 181

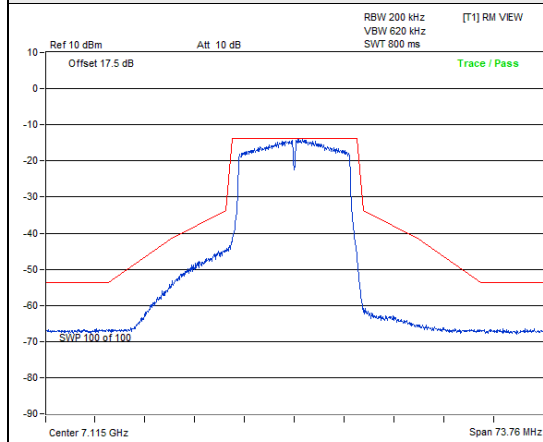


802.11a: CH 185



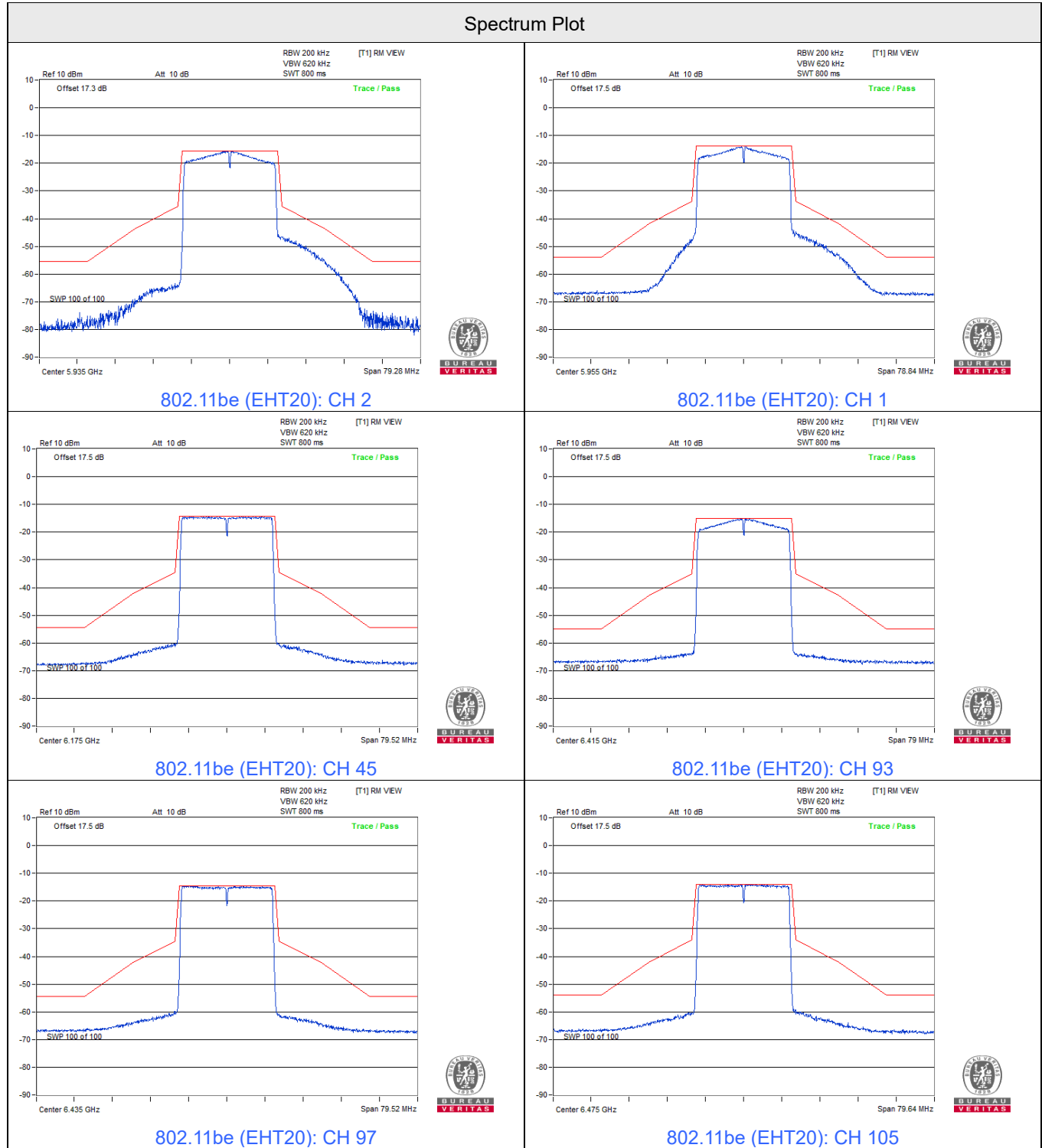
802.11a: CH 209

Spectrum Plot

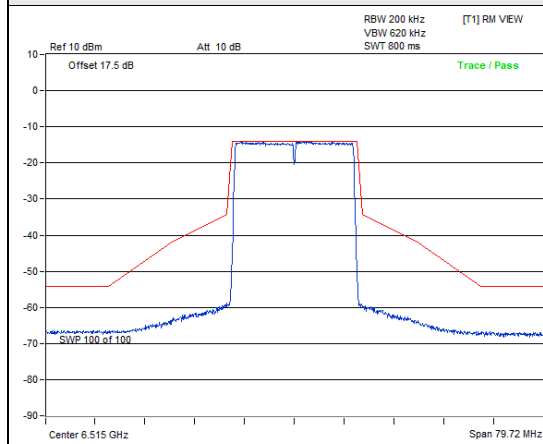


802.11a: CH 233

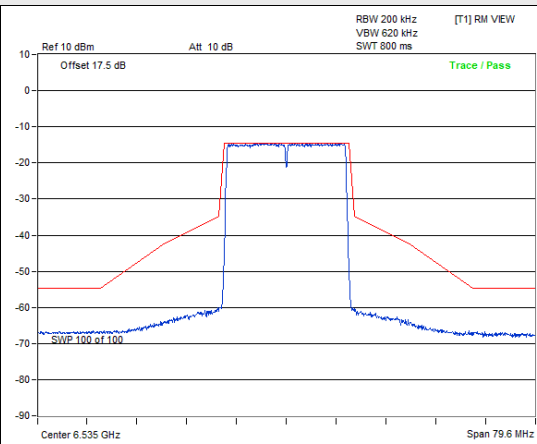
802.11be (EHT20)



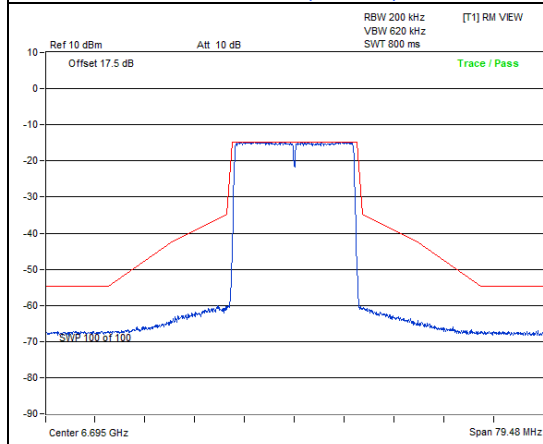
Spectrum Plot



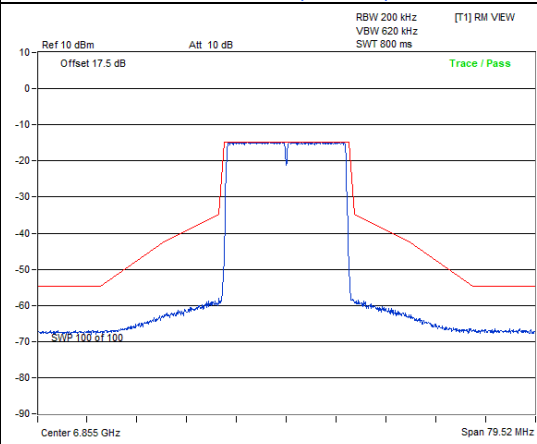
802.11be (EHT20): CH 113



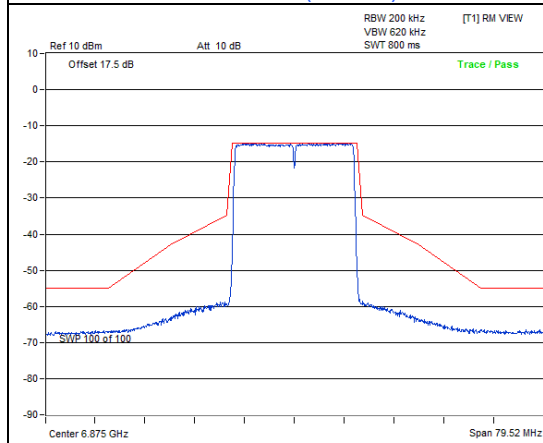
802.11be (EHT20): CH 117



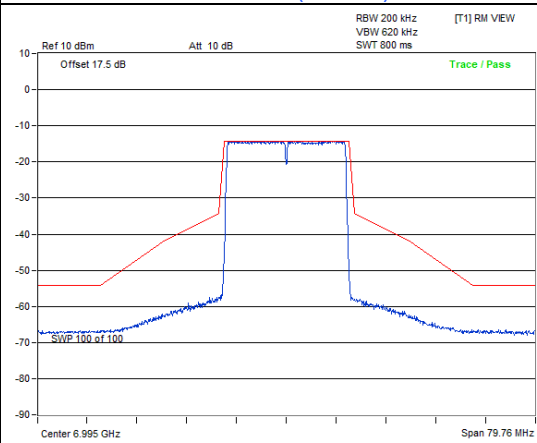
802.11be (EHT20): CH 149



802.11be (EHT20): CH 181

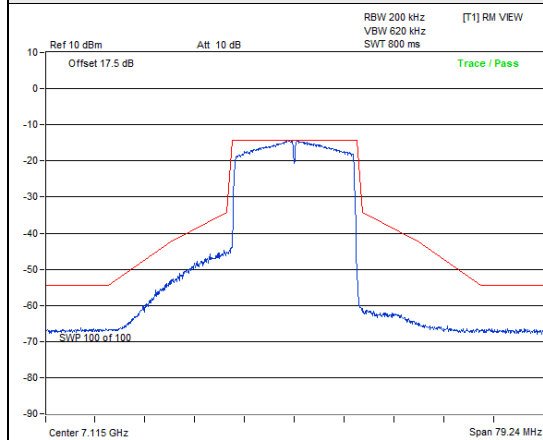


802.11be (EHT20): CH 185



802.11be (EHT20): CH 209

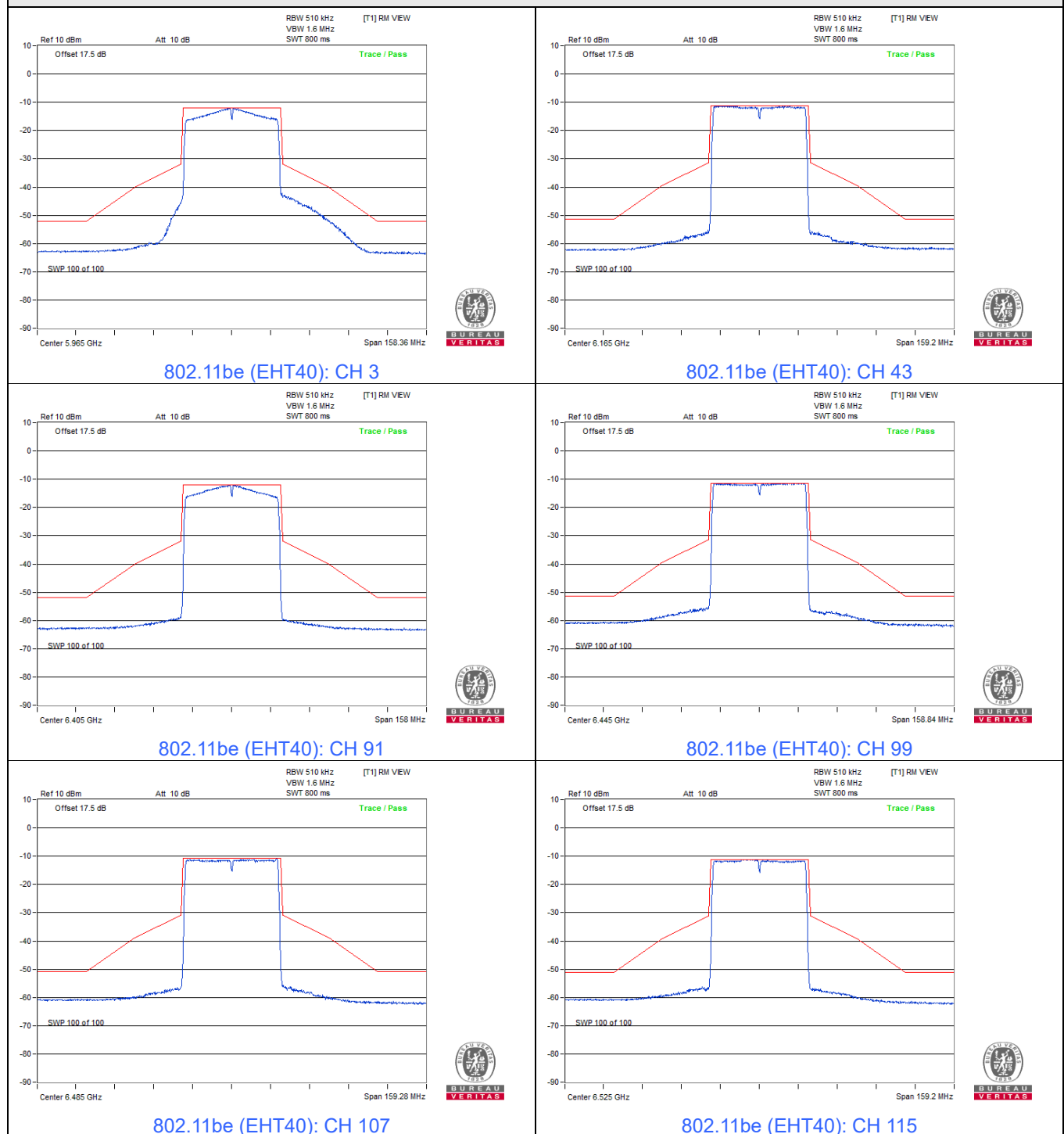
Spectrum Plot



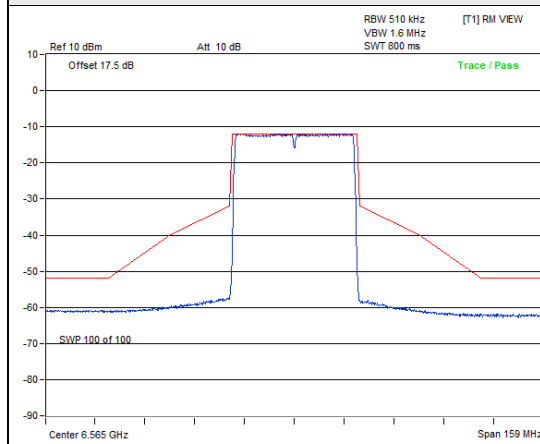
802.11be (EHT20): CH 233

802.11be (EHT40)

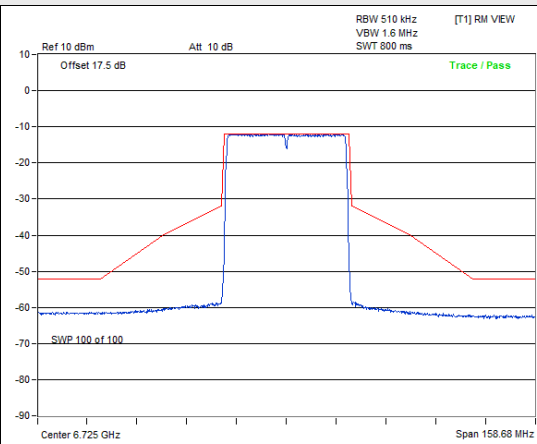
Spectrum Plot



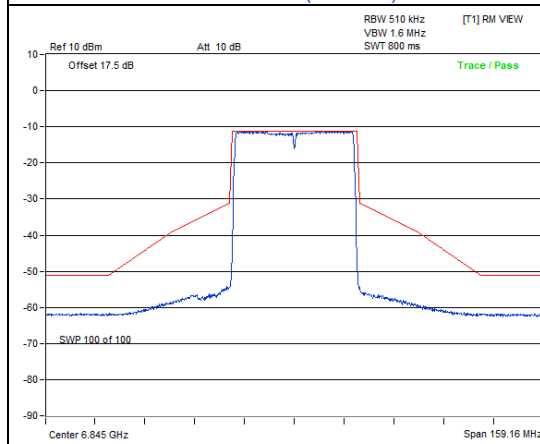
Spectrum Plot



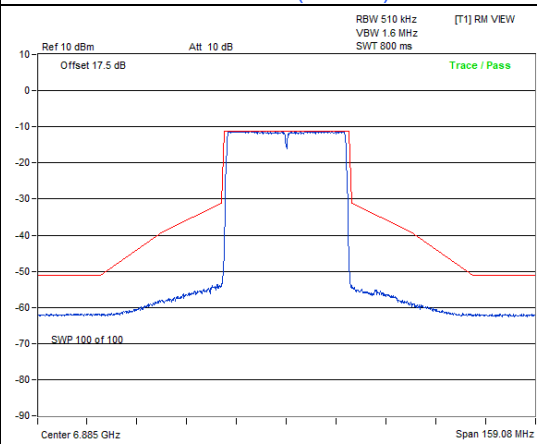
802.11be (EHT40): CH 123



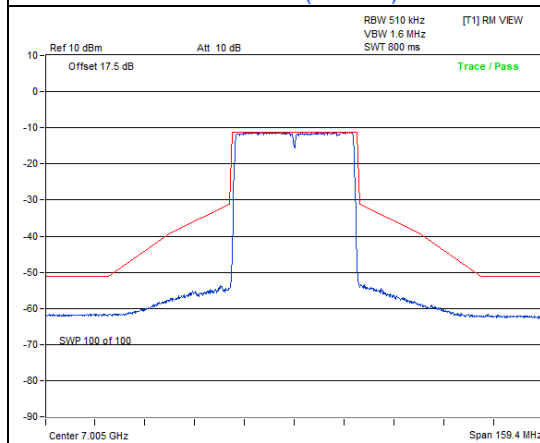
802.11be (EHT40): CH 155



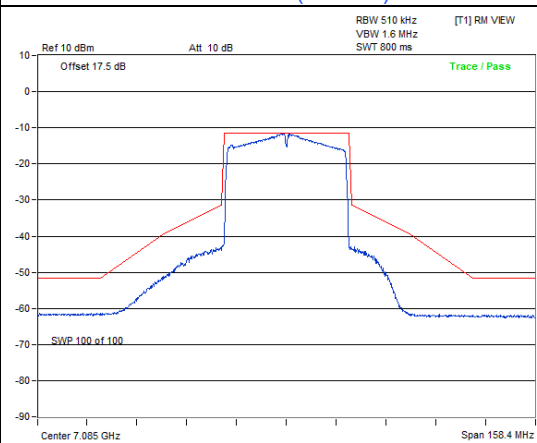
802.11be (EHT40): CH 179



802.11be (EHT40): CH 187



802.11be (EHT40): CH 211

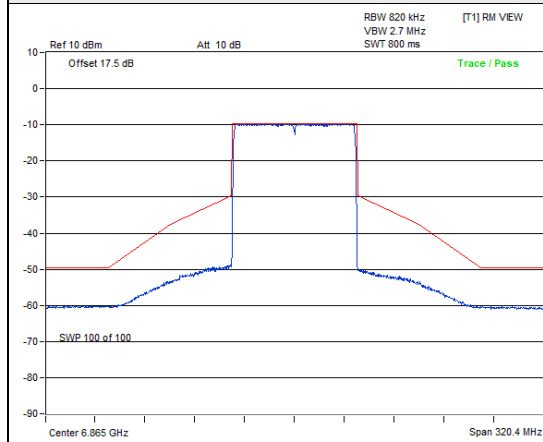


802.11be (EHT40): CH 227

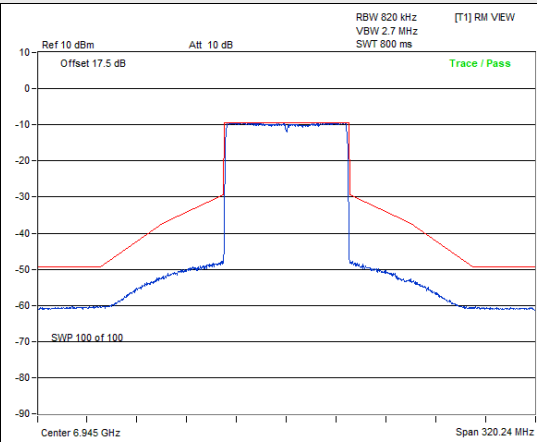
802.11be (EHT80)



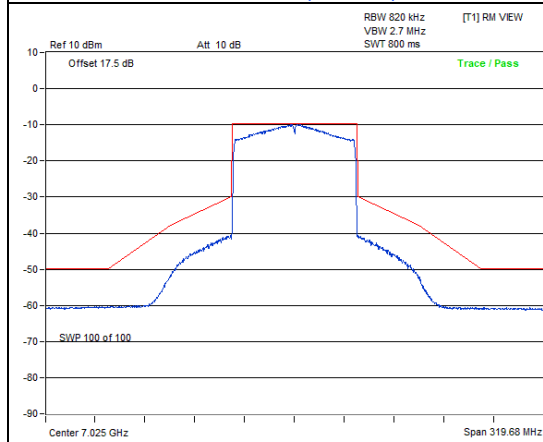
Spectrum Plot



802.11be (EHT80): CH 183

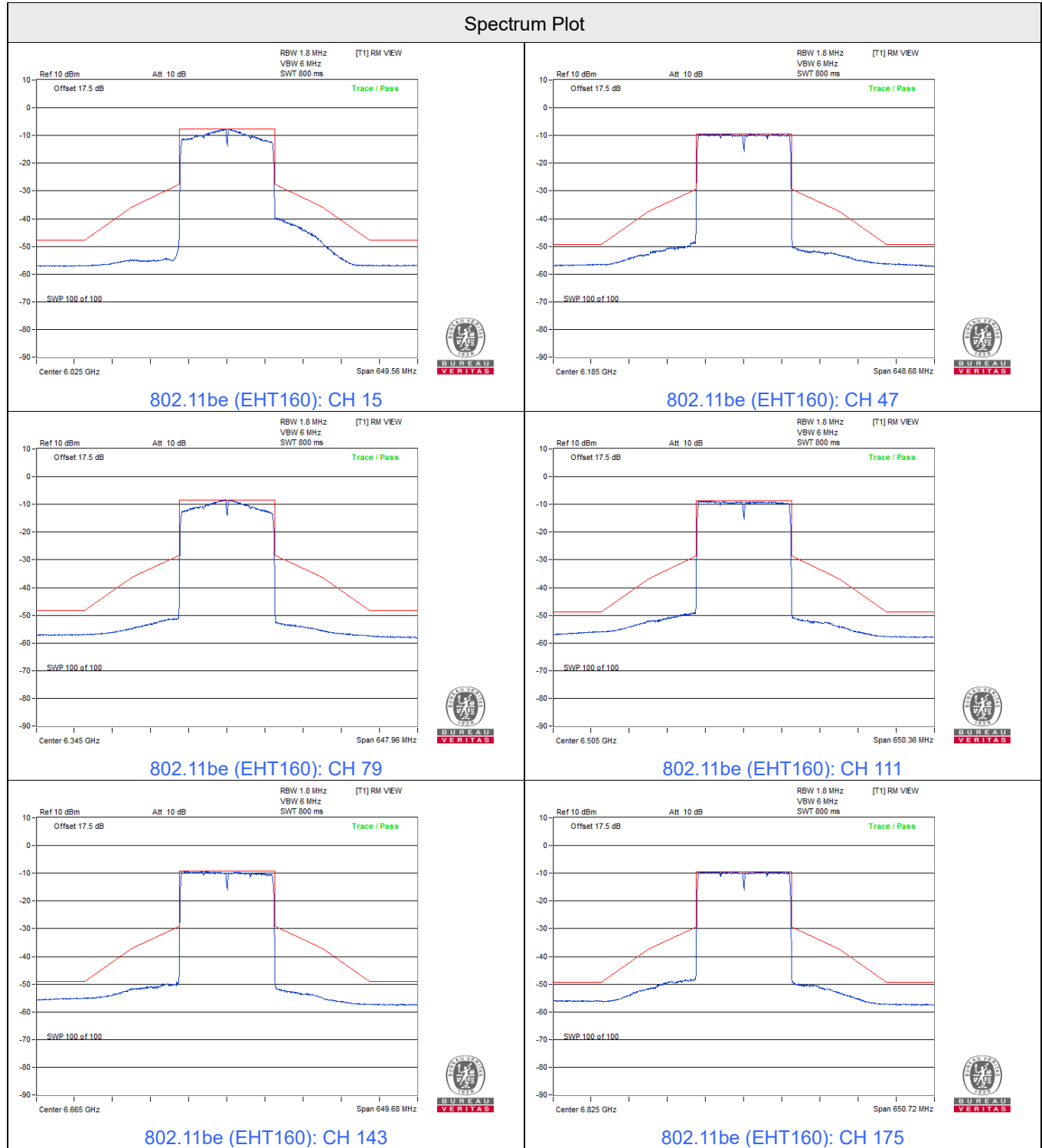


802.11be (EHT80): CH 199

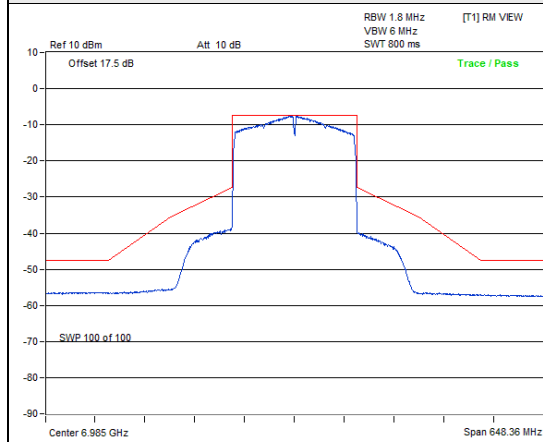


802.11be (EHT80): CH 215

802.11be (EHT160)

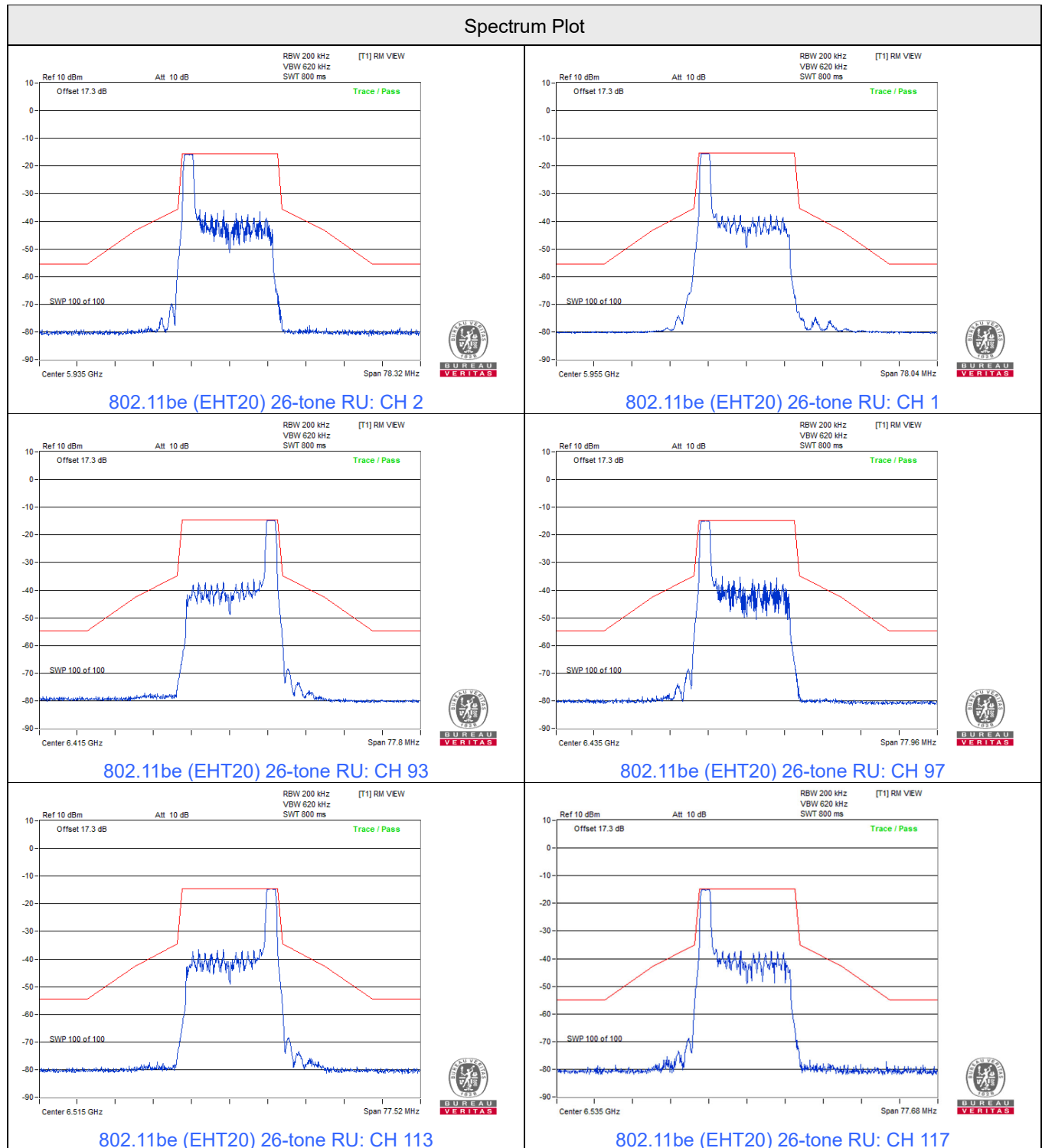


Spectrum Plot

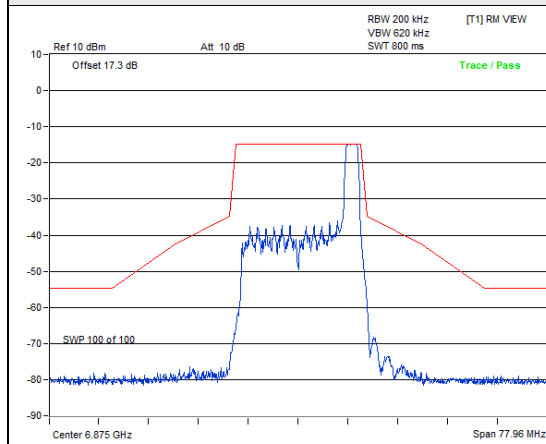


802.11be (EHT160): CH 207

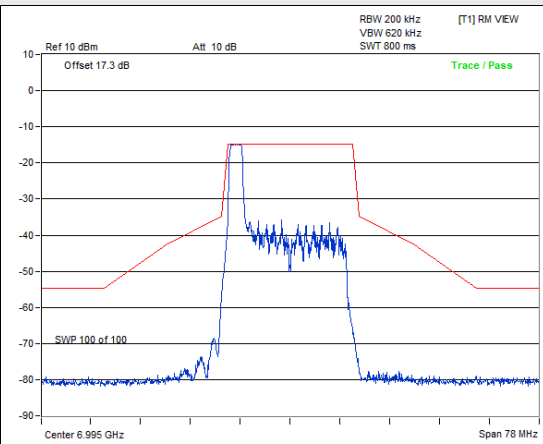
802.11be (EHT20) 26-tone RU



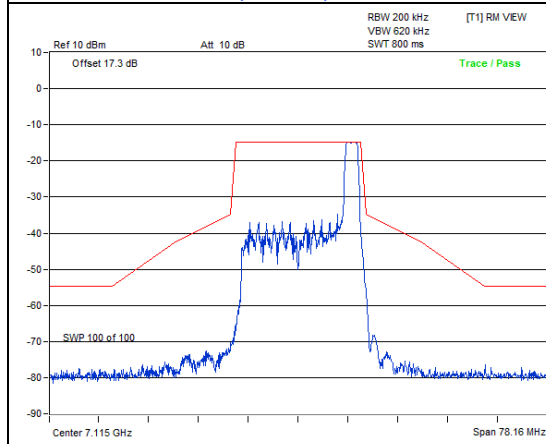
Spectrum Plot



802.11be (EHT20) 26-tone RU: CH 185

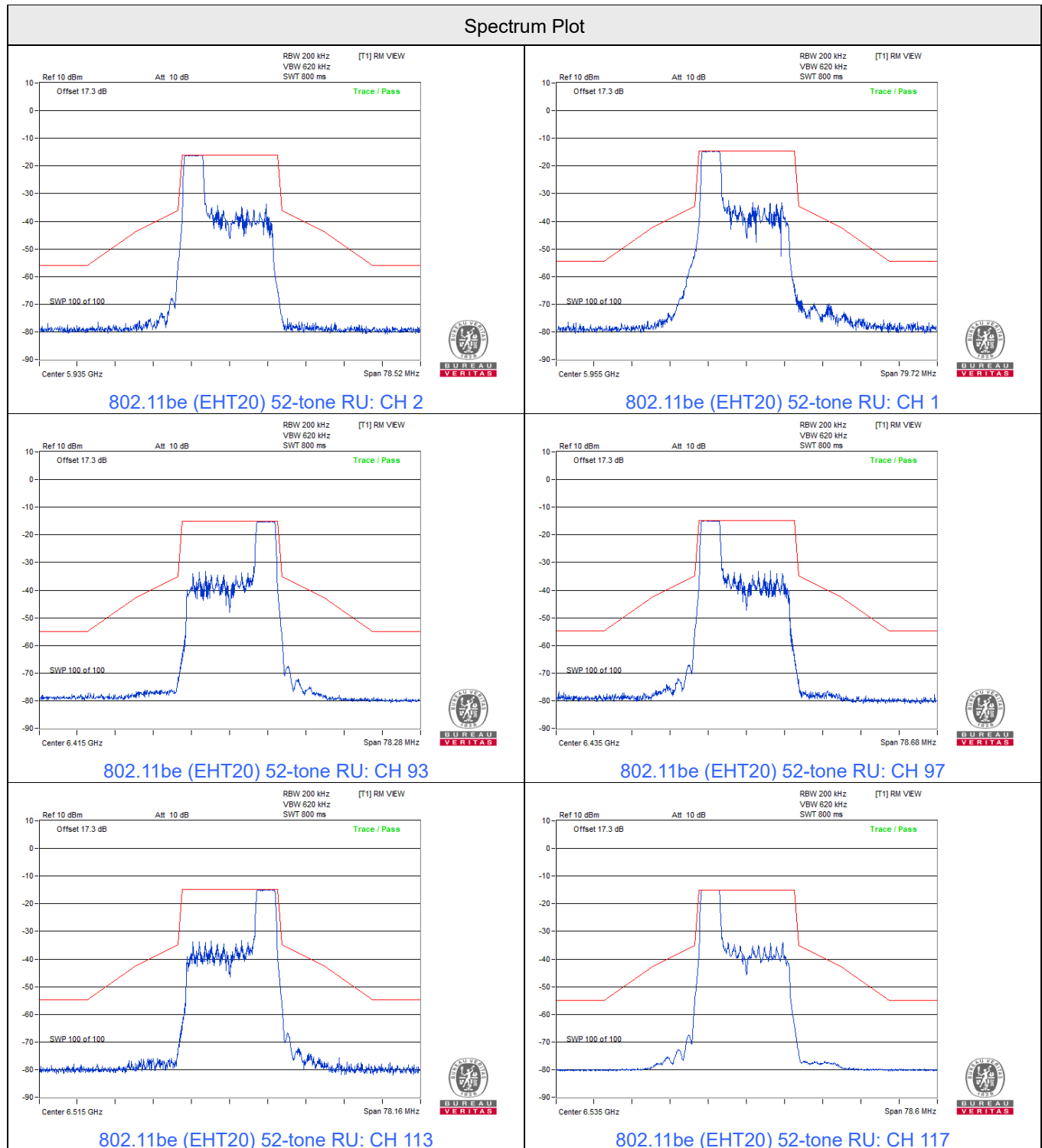


802.11be (EHT20) 26-tone RU: CH 209

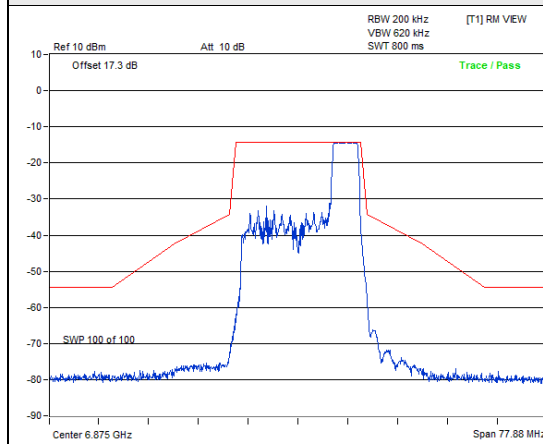


802.11be (EHT20) 26-tone RU: CH 233

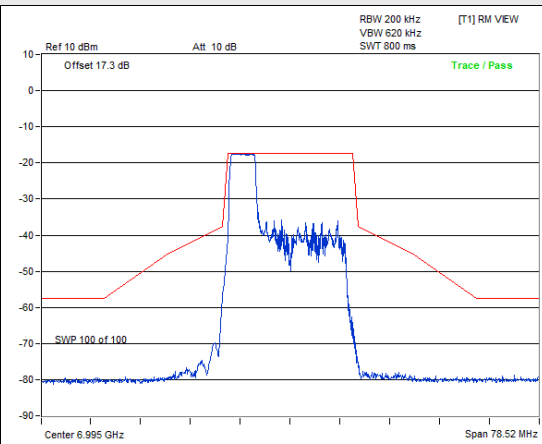
802.11be (EHT20) 52-tone RU



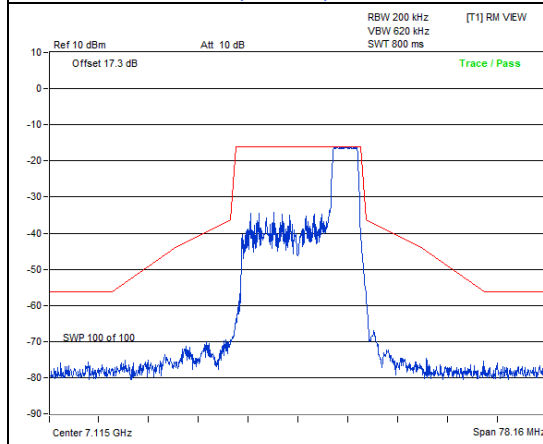
Spectrum Plot



802.11be (EHT20) 52-tone RU: CH 185

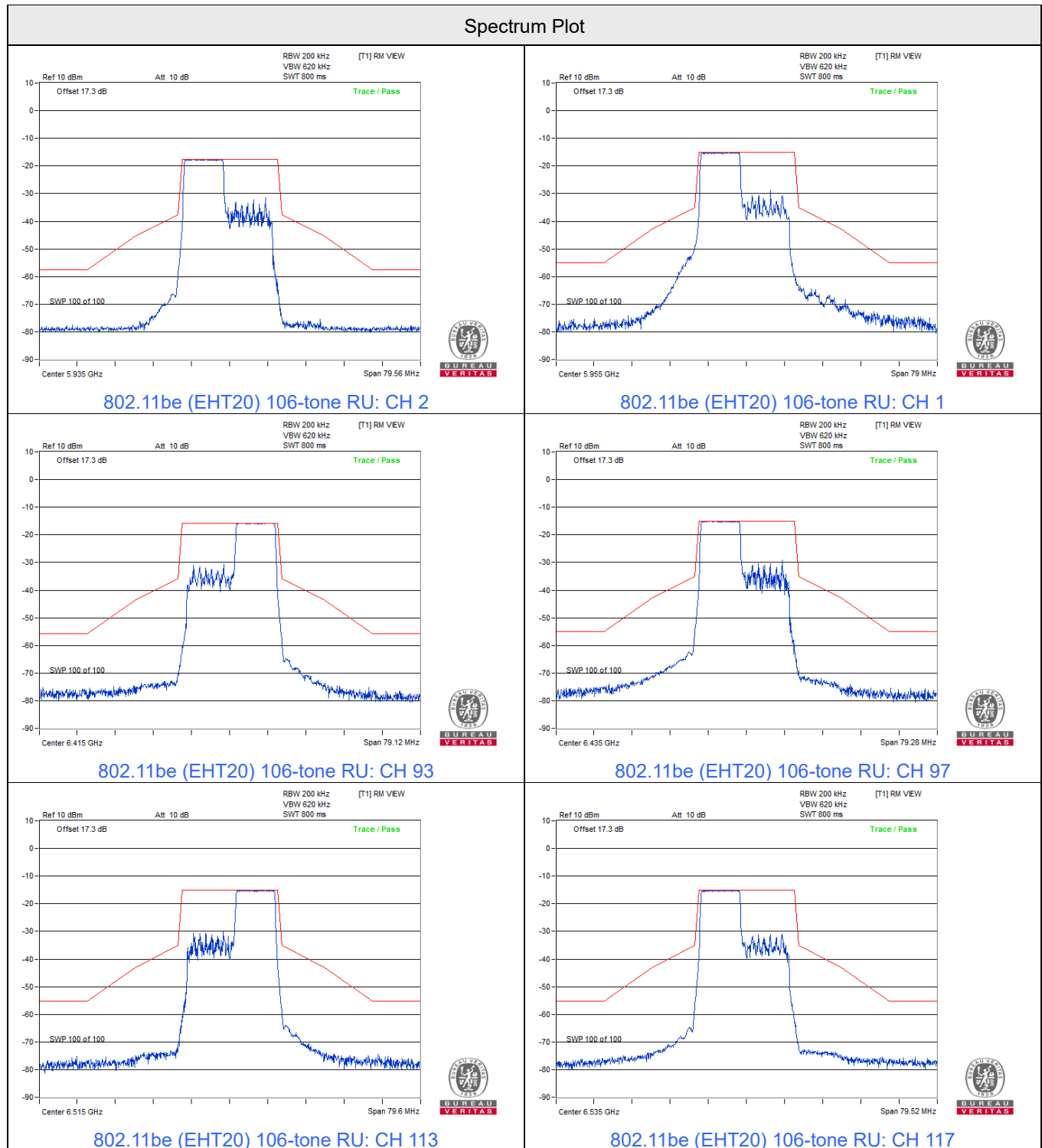


802.11be (EHT20) 52-tone RU: CH 209

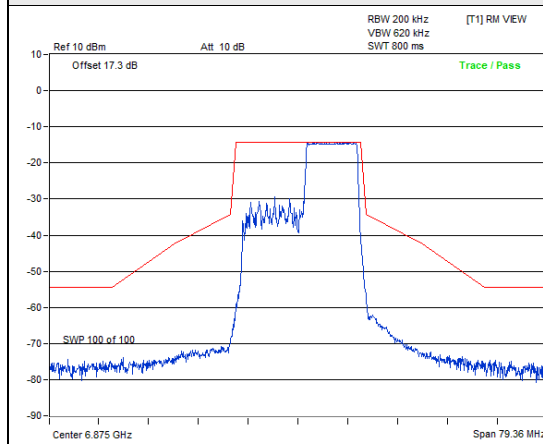


802.11be (EHT20) 52-tone RU: CH 233

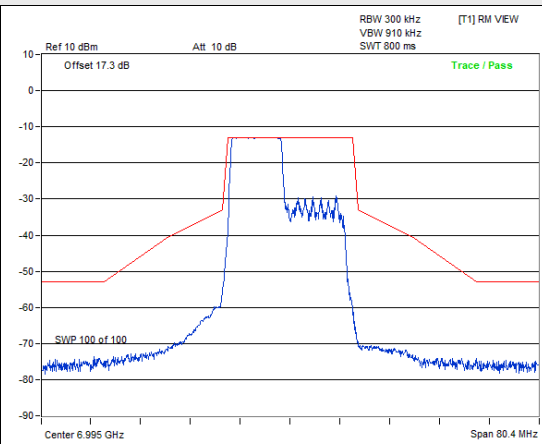
802.11be (EHT20) 106-tone RU



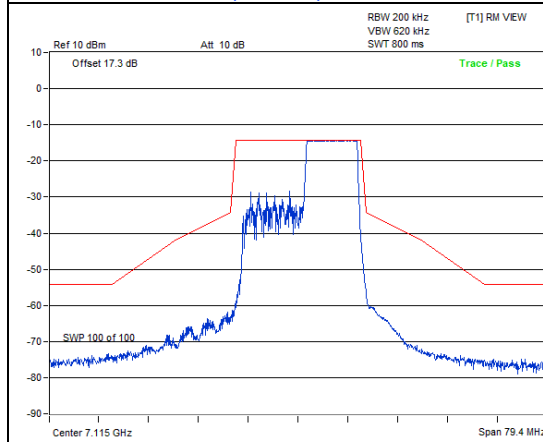
Spectrum Plot



802.11be (EHT20) 106-tone RU: CH 185

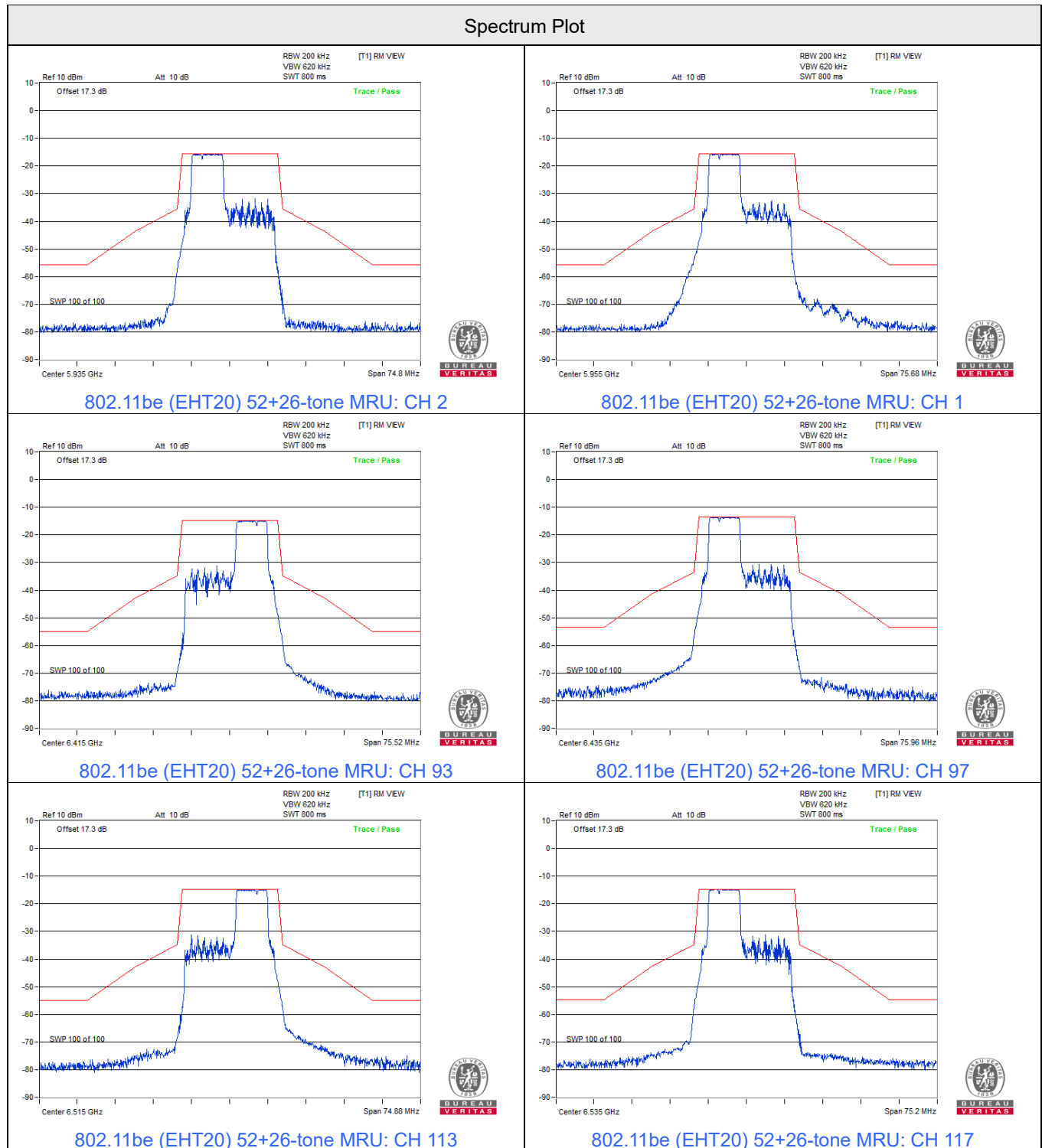


802.11be (EHT20) 106-tone RU: CH 209

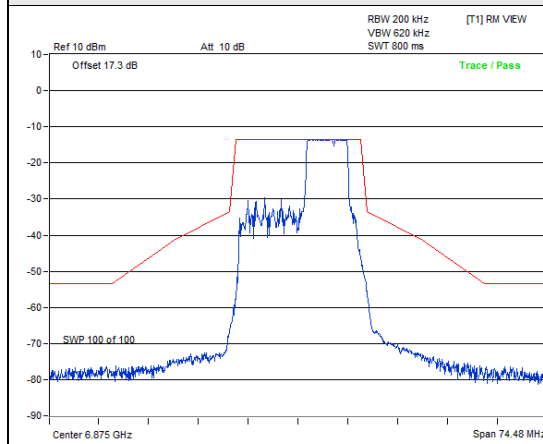


802.11be (EHT20) 106-tone RU: CH 233

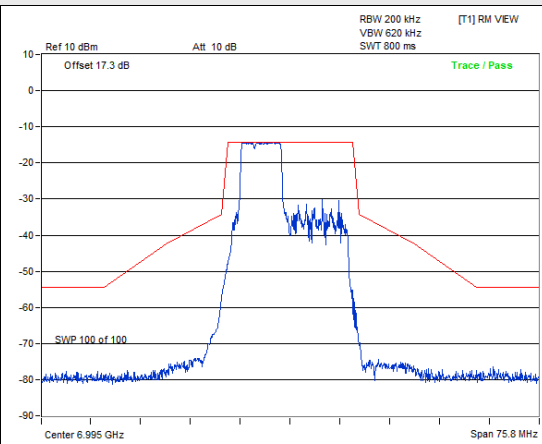
802.11be (EHT20) 52+26-tone MRU



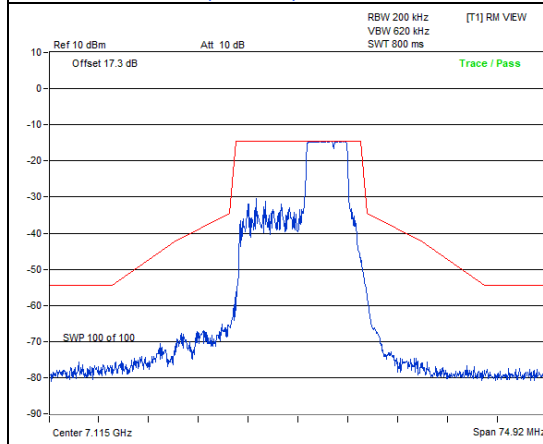
Spectrum Plot



802.11be (EHT20) 52+26-tone MRU: CH 185

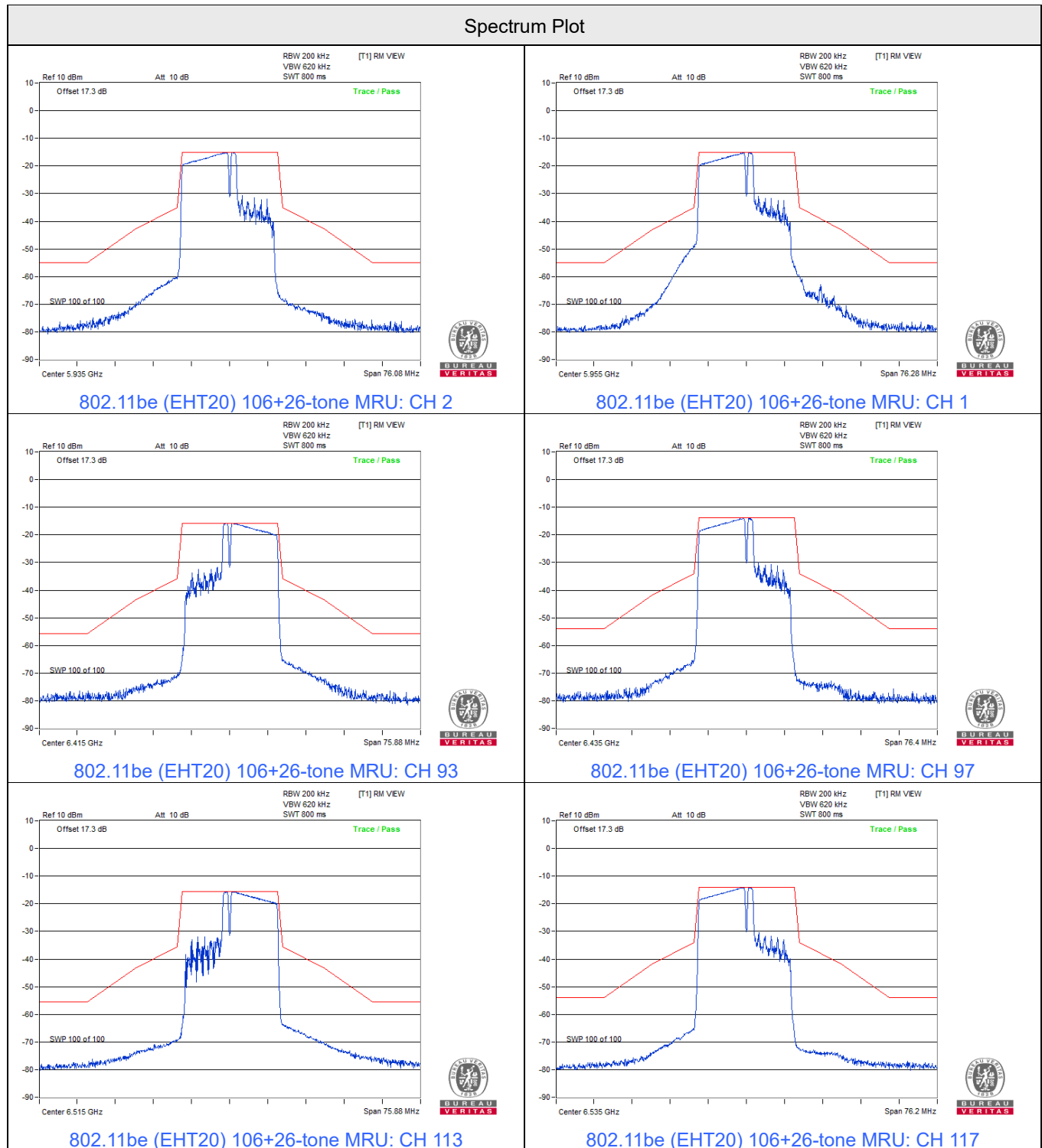


802.11be (EHT20) 52+26-tone MRU: CH 209

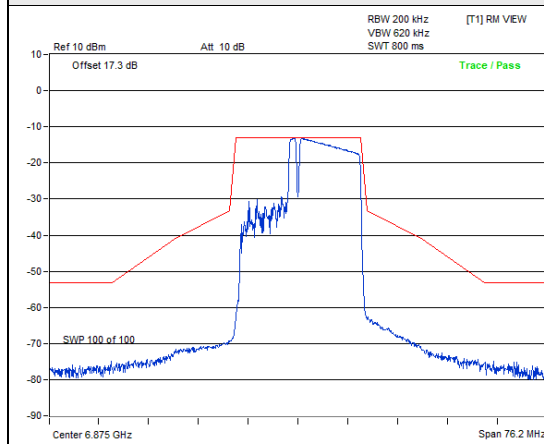


802.11be (EHT20) 52+26-tone MRU: CH 233

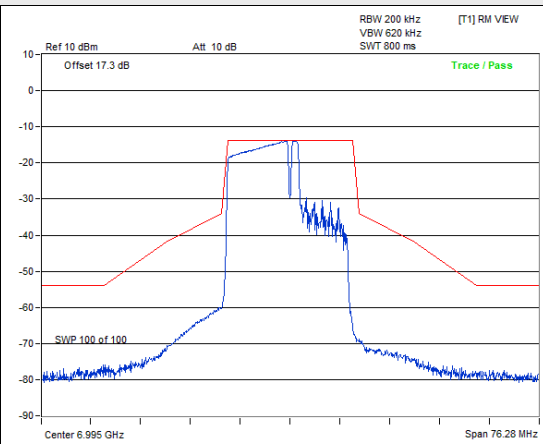
802.11be (EHT20) 106+26-tone MRU



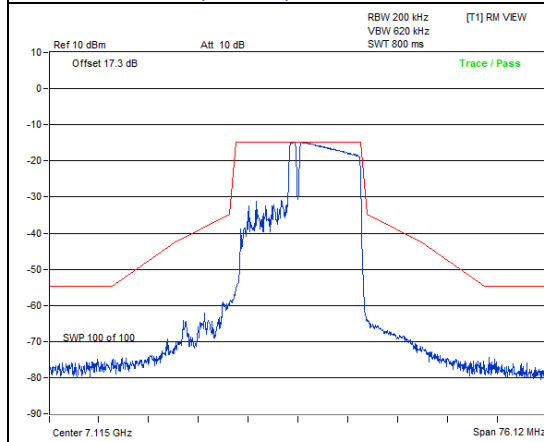
Spectrum Plot



802.11be (EHT20) 106+26-tone MRU: CH 185

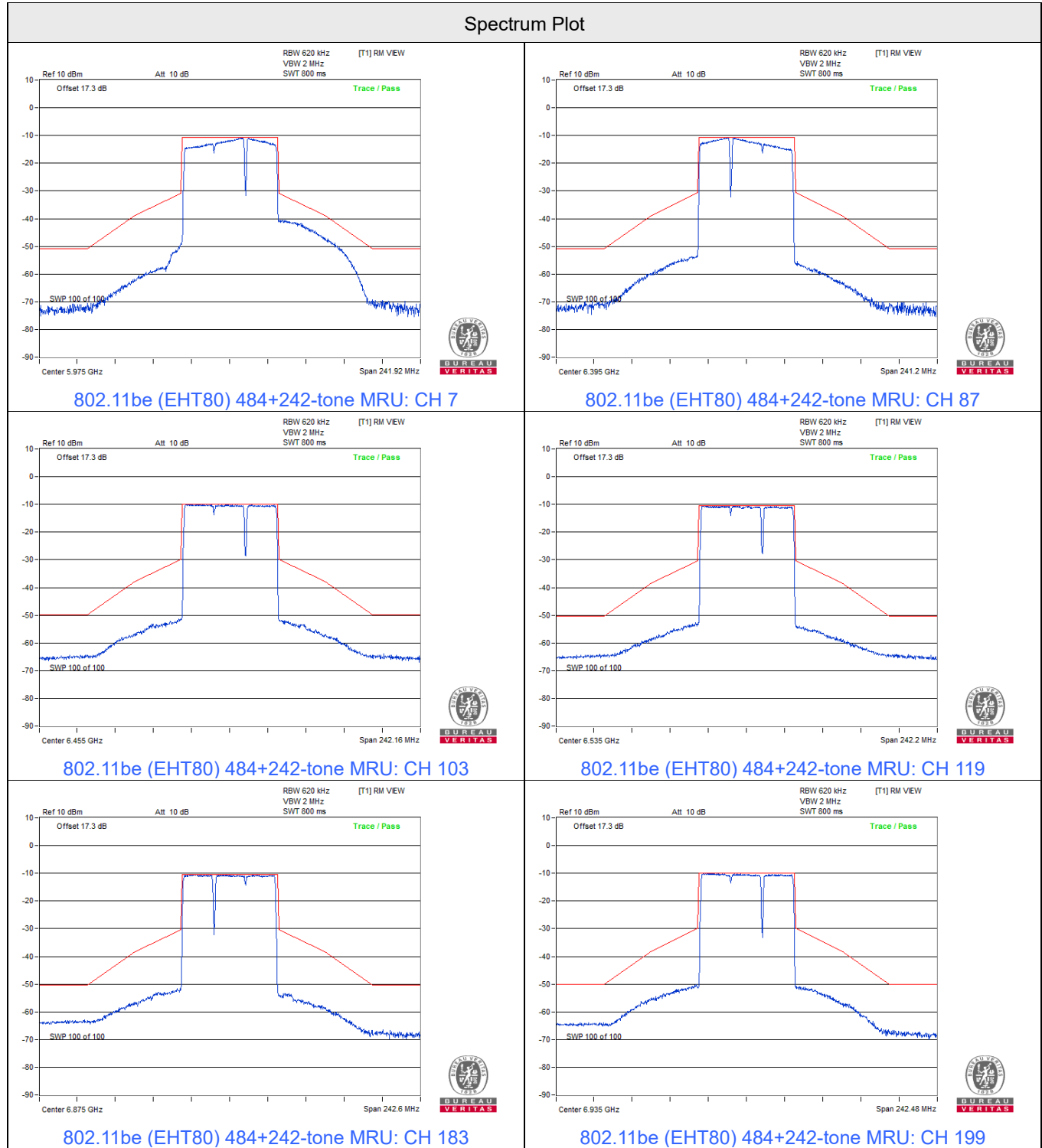


802.11be (EHT20) 106+26-tone MRU: CH 209

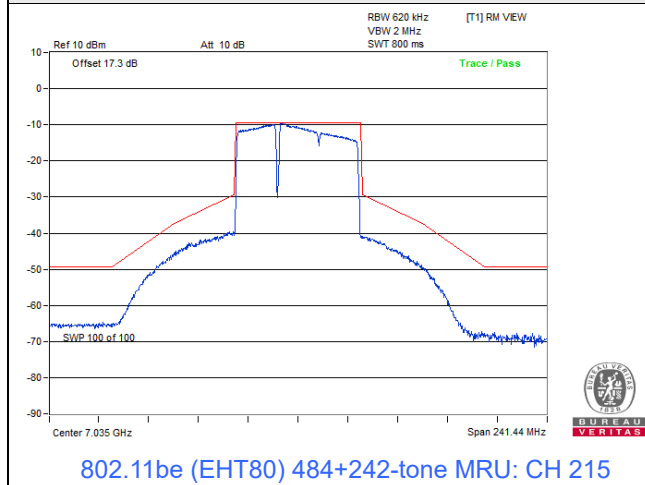


802.11be (EHT20) 106+26-tone MRU: CH 233

802.11be (EHT80) 484+242-tone MRU

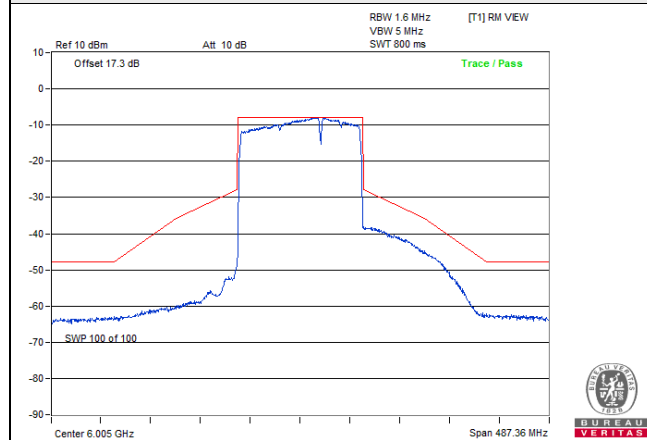


Spectrum Plot

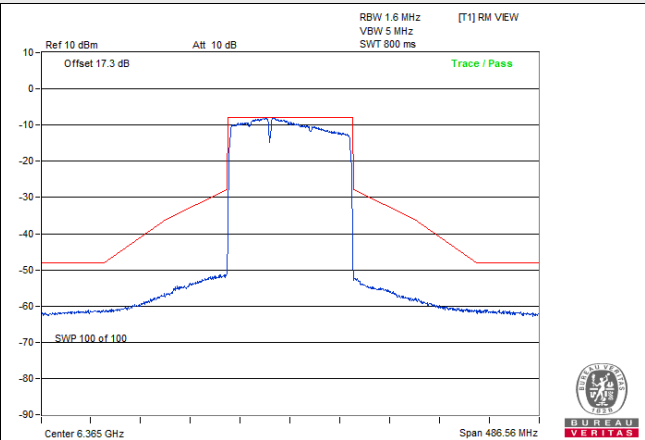


802.11be (EHT160) 996+484-tone MRU

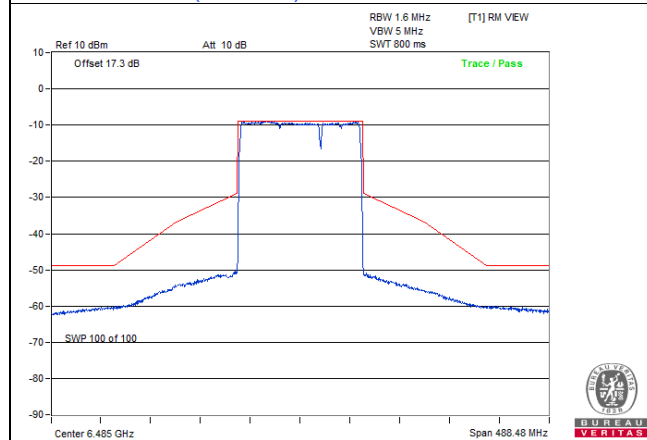
Spectrum Plot



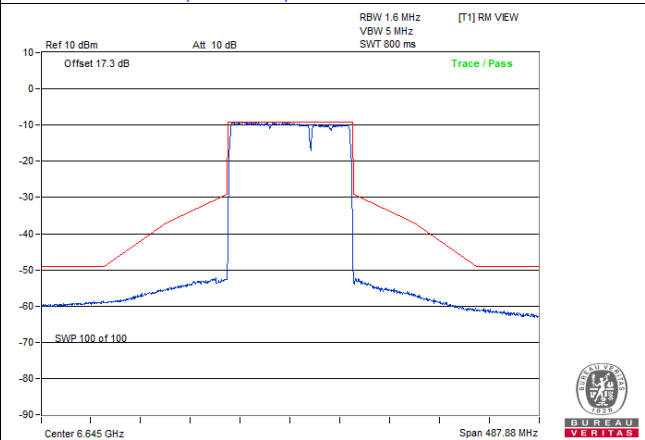
802.11be (EHT160) 996+484-tone MRU: CH 15



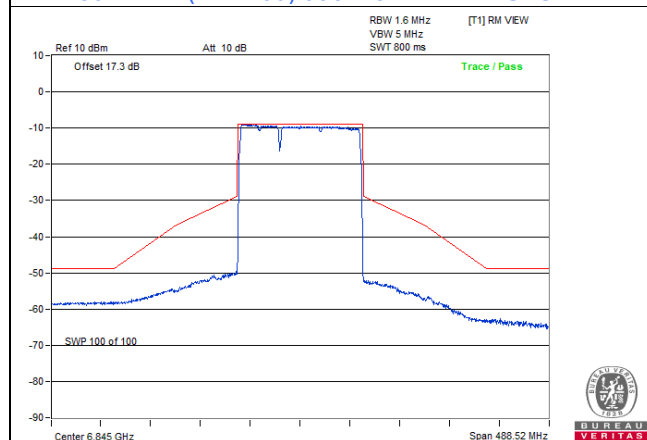
802.11be (EHT160) 996+484-tone MRU: CH 79



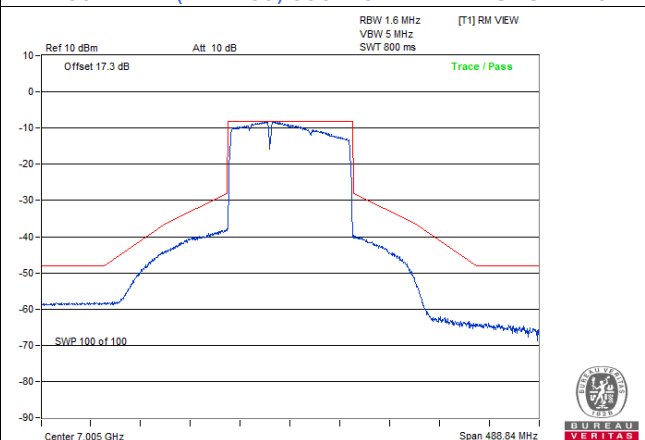
802.11be (EHT160) 996+484-tone MRU: CH 111



802.11be (EHT160) 996+484-tone MRU: CH 143

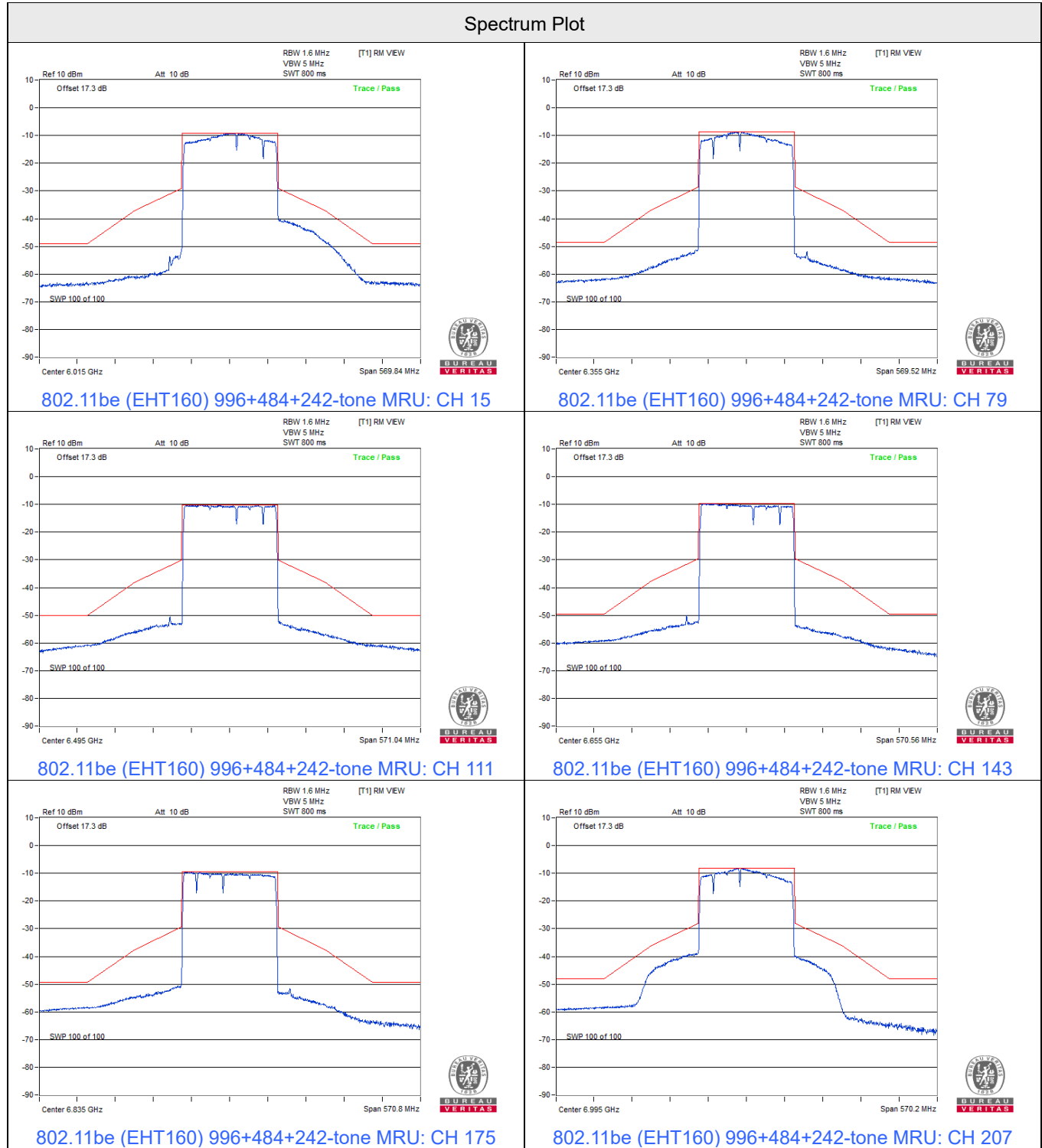


802.11be (EHT160) 996+484-tone MRU: CH 175



802.11be (EHT160) 996+484-tone MRU: CH 207

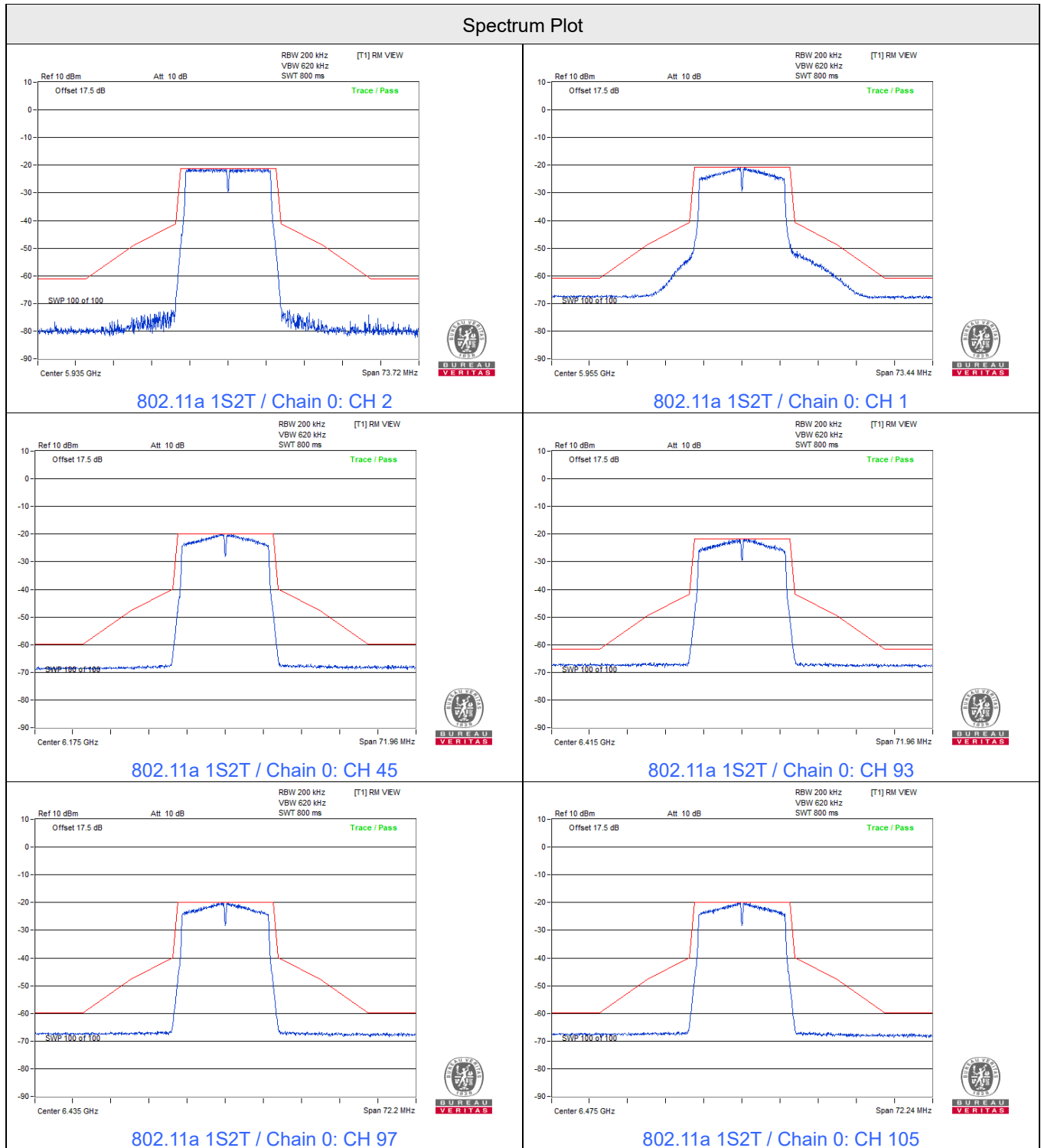
802.11be (EHT160) 996+484+242-tone MRU



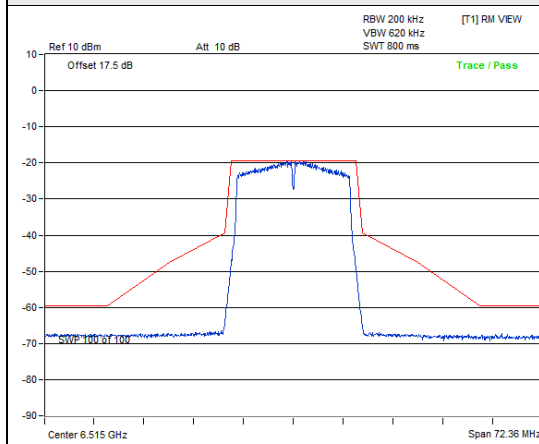
Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 58, 60% RH	Tested By:	Henry Hsu
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2Tx

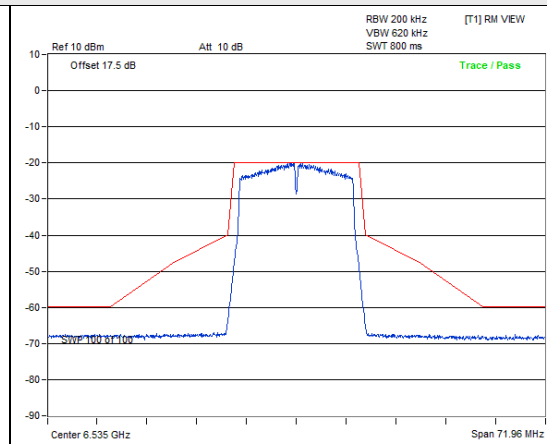
802.11a 1S2T



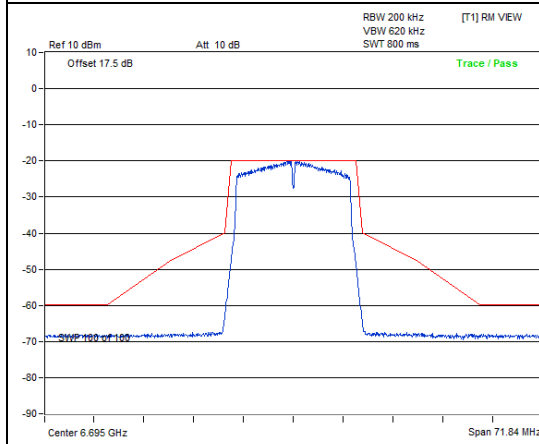
Spectrum Plot



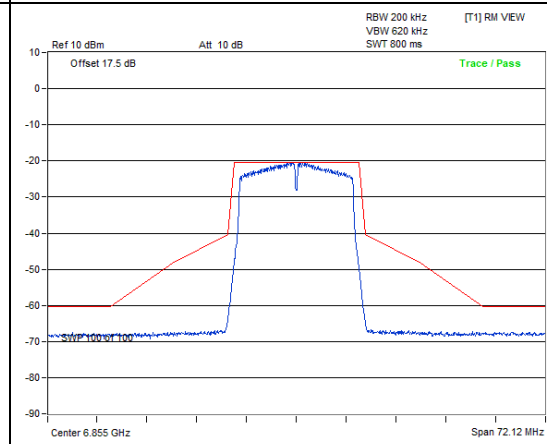
802.11a 1S2T / Chain 0: CH 113



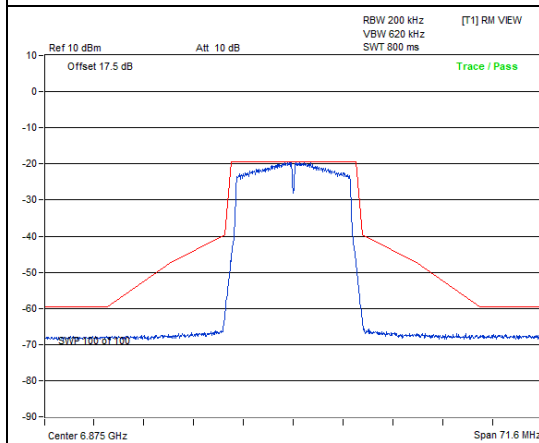
802.11a 1S2T / Chain 0: CH 117



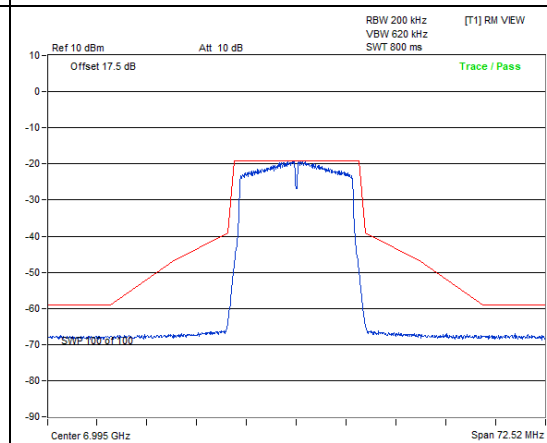
802.11a 1S2T / Chain 0: CH 149



802.11a 1S2T / Chain 0: CH 181

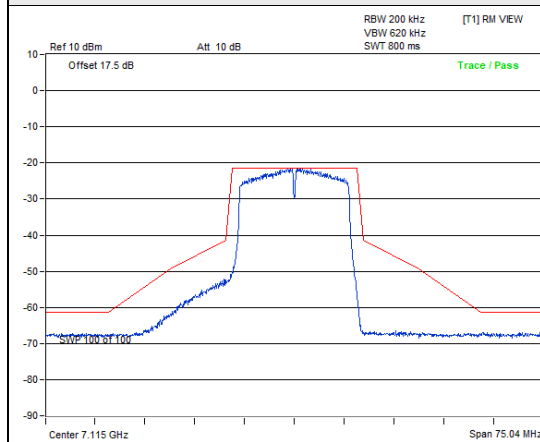


802.11a 1S2T / Chain 0: CH 185

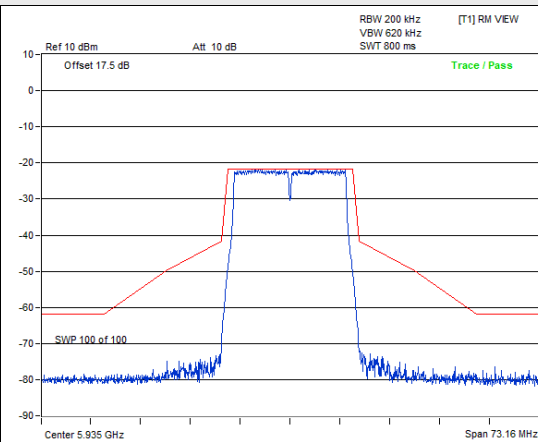


802.11a 1S2T / Chain 0: CH 209

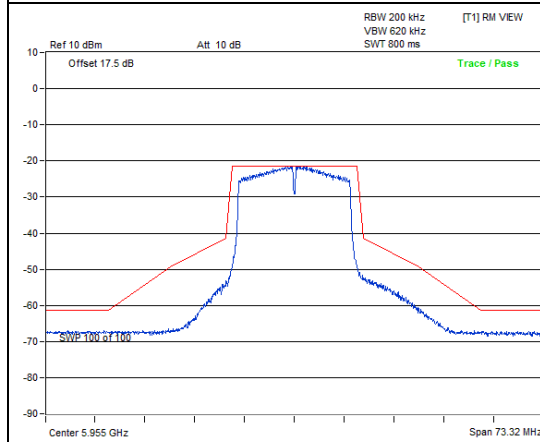
Spectrum Plot



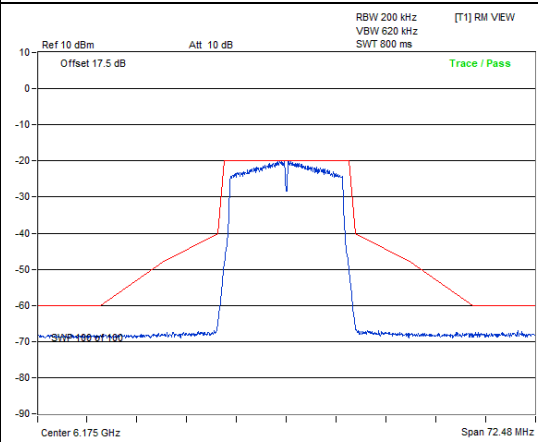
802.11a 1S2T / Chain 0: CH 233



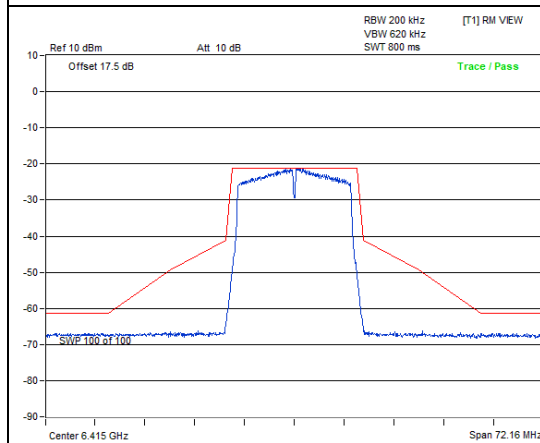
802.11a 1S2T / Chain 1: CH 2



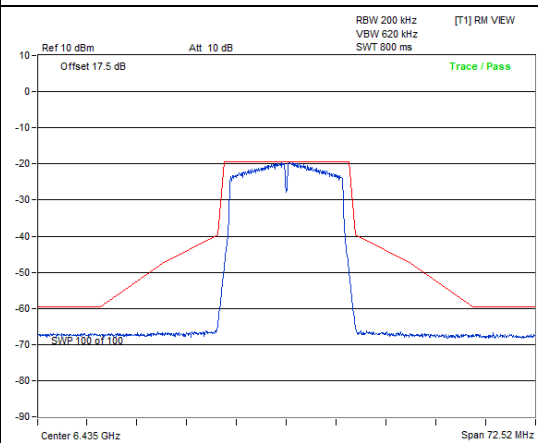
802.11a 1S2T / Chain 1: CH 1



802.11a 1S2T / Chain 1: CH 45

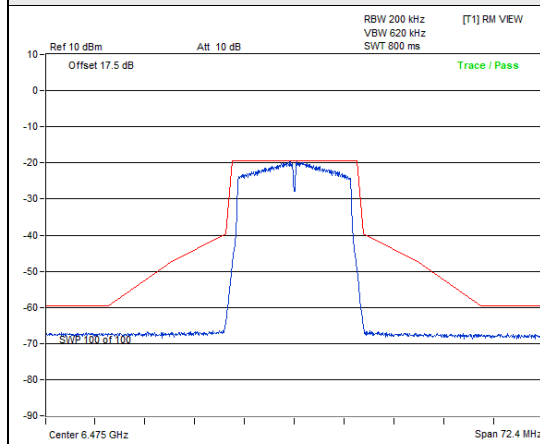


802.11a 1S2T / Chain 1: CH 93

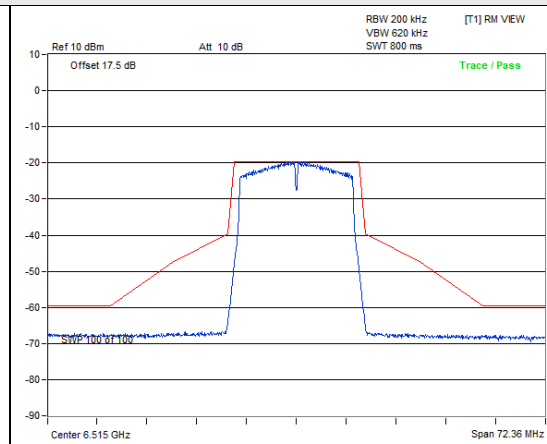


802.11a 1S2T / Chain 1: CH 97

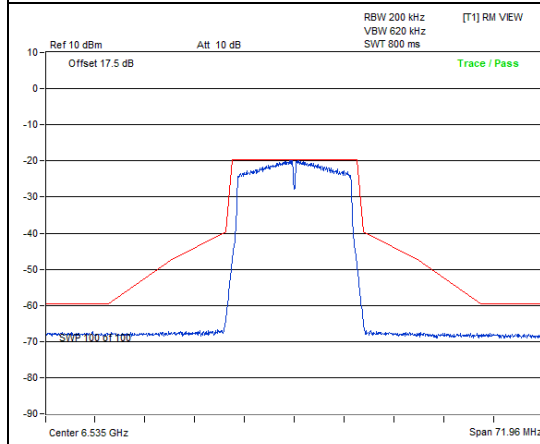
Spectrum Plot



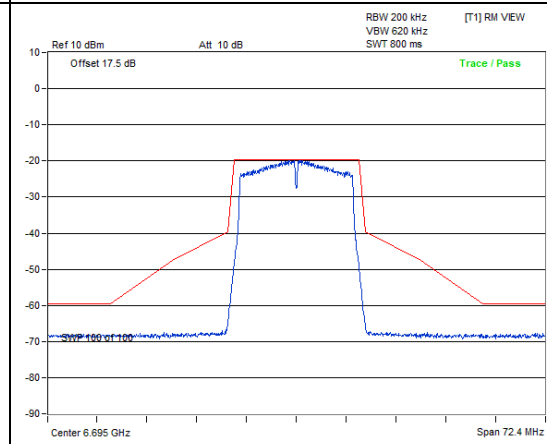
802.11a 1S2T / Chain 1: CH 105



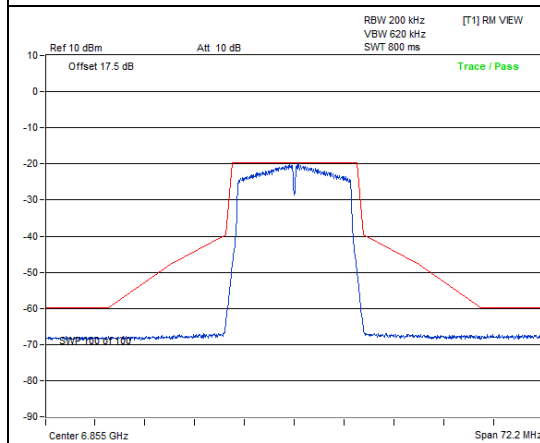
802.11a 1S2T / Chain 1: CH 113



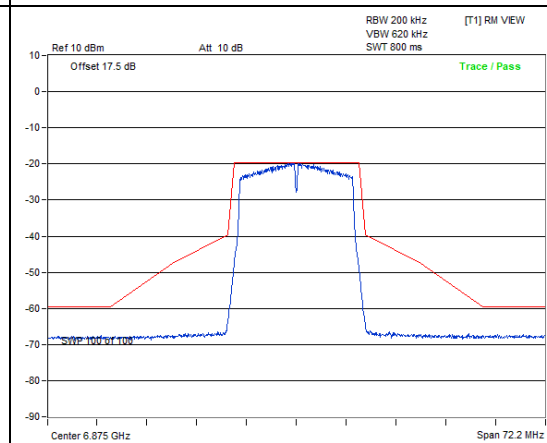
802.11a 1S2T / Chain 1: CH 117



802.11a 1S2T / Chain 1: CH 149

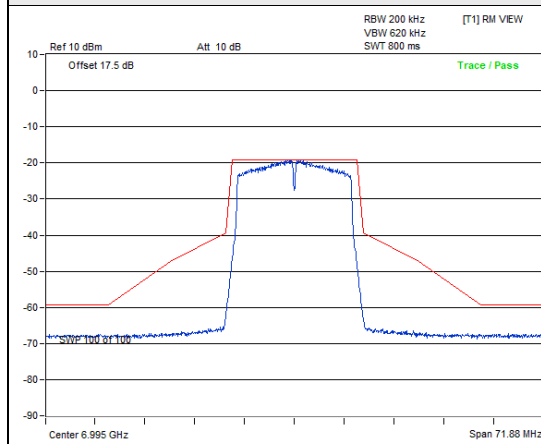


802.11a 1S2T / Chain 1: CH 181

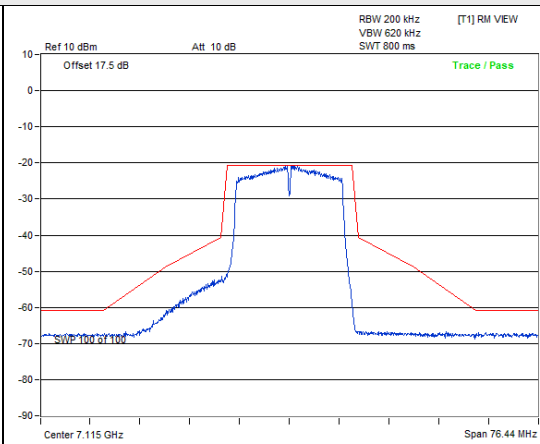


802.11a 1S2T / Chain 1: CH 185

Spectrum Plot



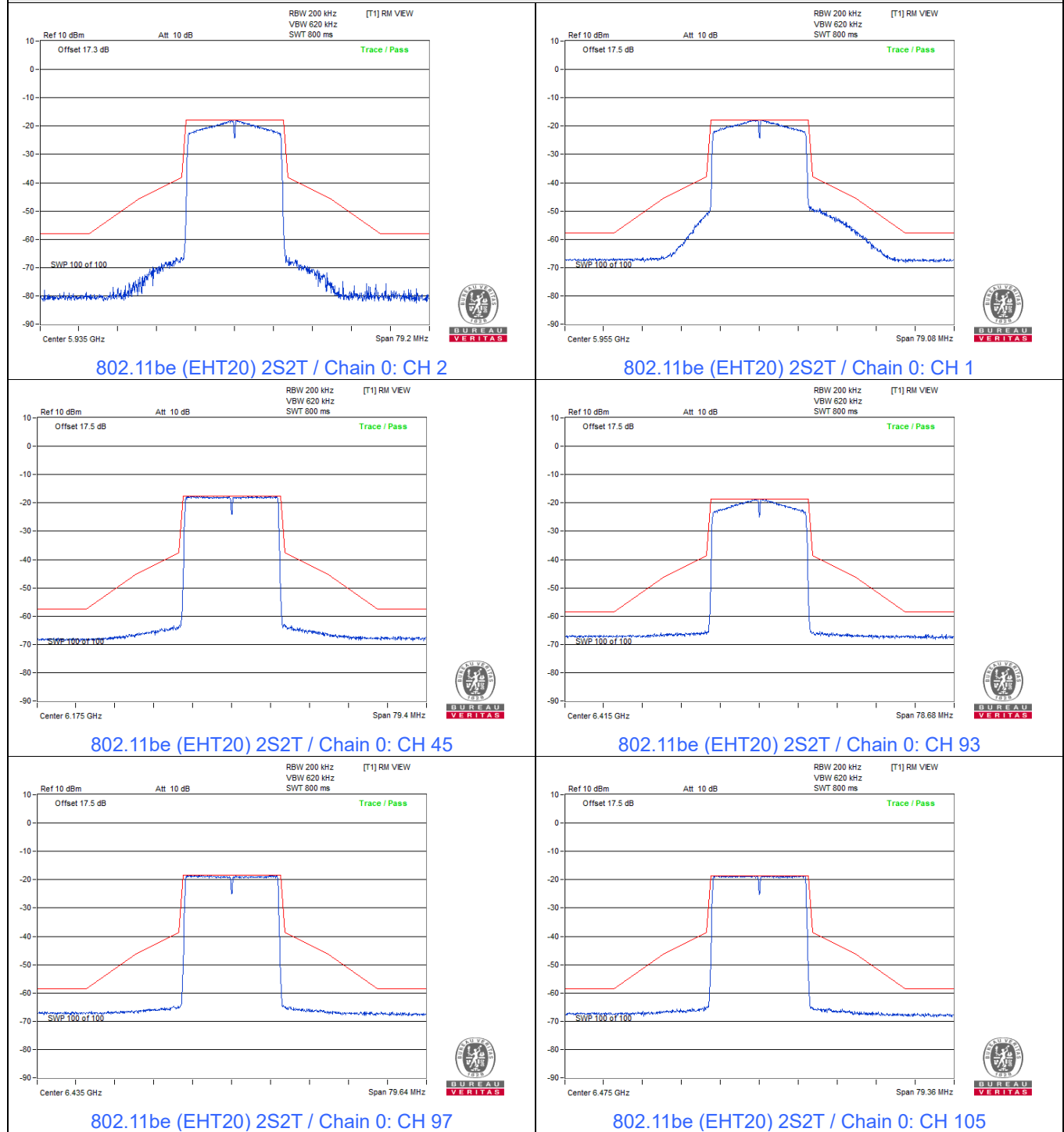
802.11a 1S2T / Chain 1: CH 209



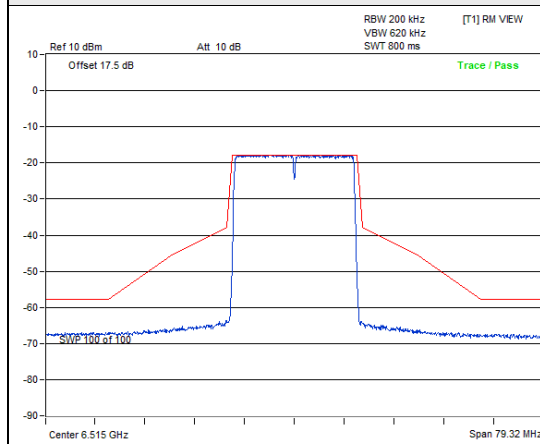
802.11a 1S2T / Chain 1: CH 233

802.11be (EHT20) 2S2T

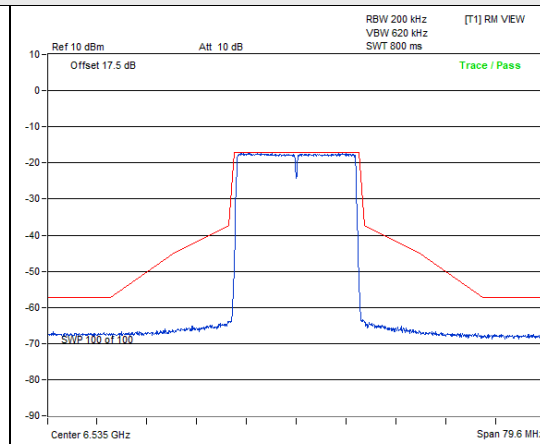
Spectrum Plot



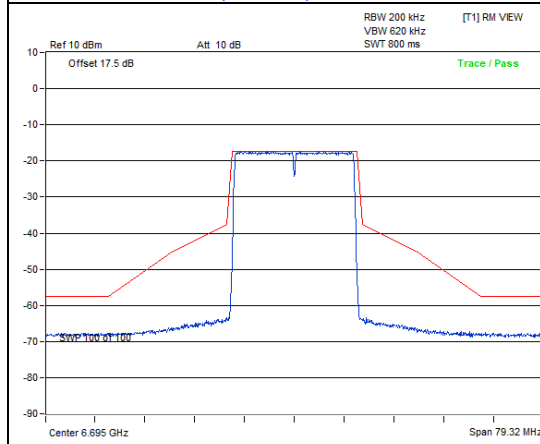
Spectrum Plot



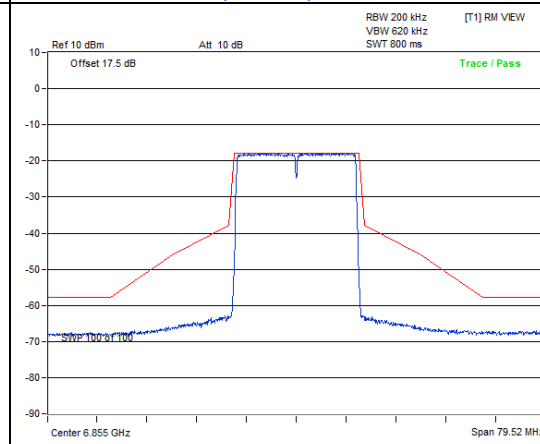
802.11be (EHT20) 2S2T / Chain 0: CH 113



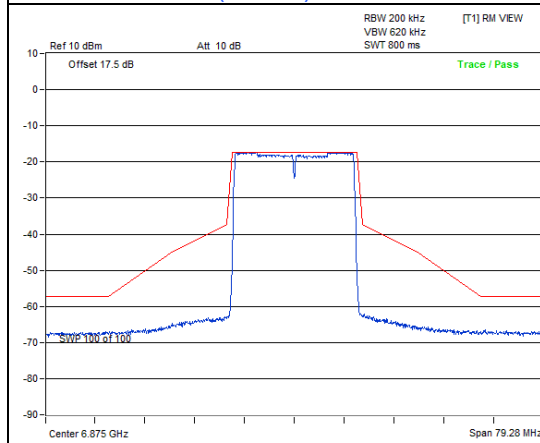
802.11be (EHT20) 2S2T / Chain 0: CH 117



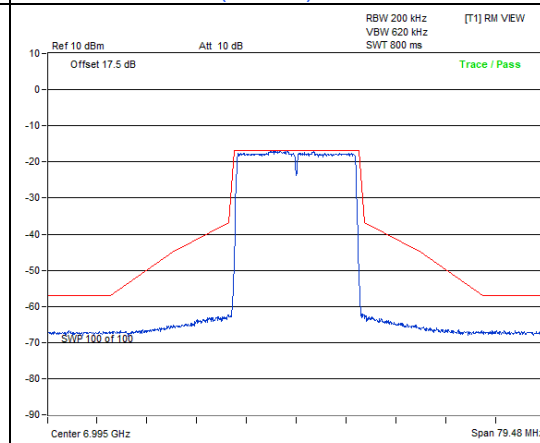
802.11be (EHT20) 2S2T / Chain 0: CH 149



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

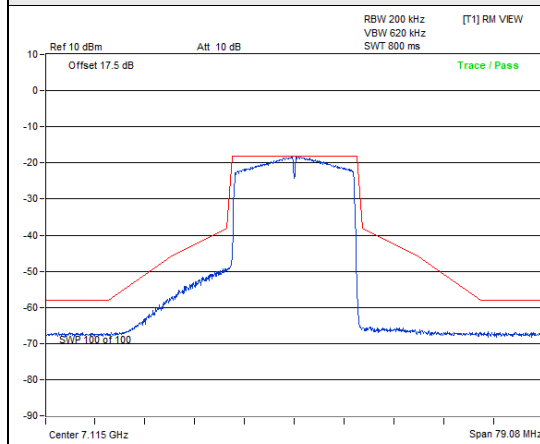


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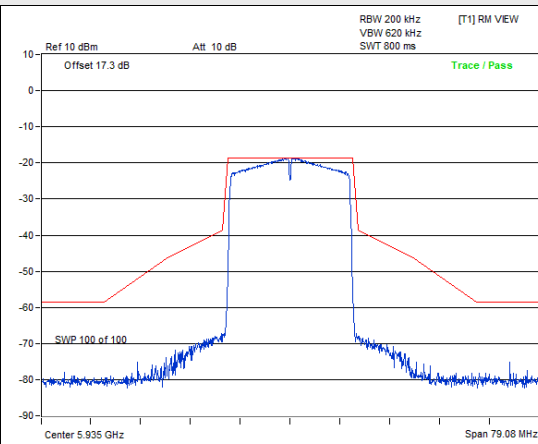


802.11be (EHT20) 2S2T / Chain 0: CH 209

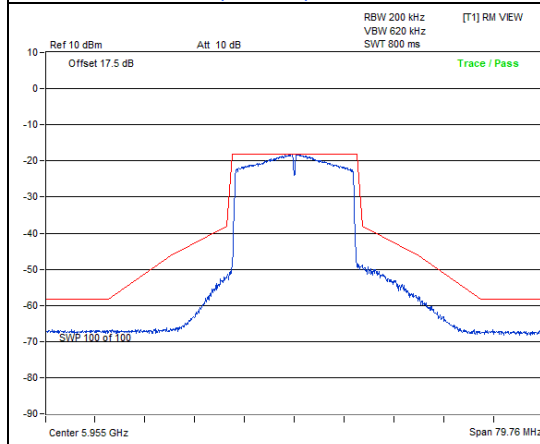
Spectrum Plot



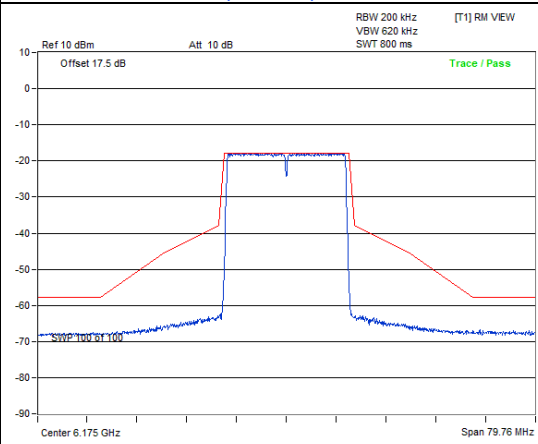
802.11be (EHT20) 2S2T / Chain 0: CH 233



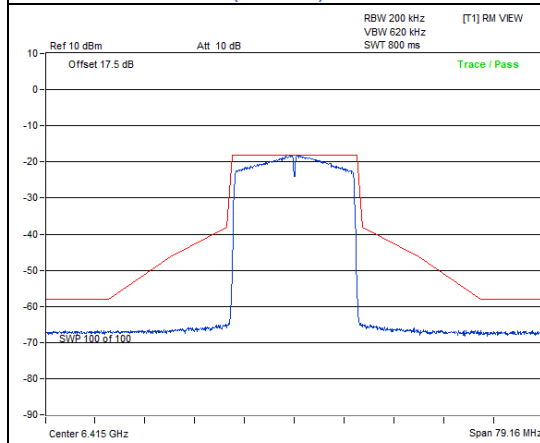
802.11be (EHT20) 2S2T / Chain 1: CH 2



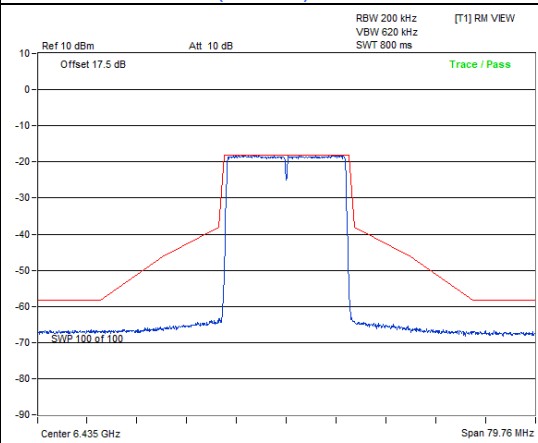
802.11be (EHT20) 2S2T / Chain 1: CH 1



802.11be (EHT20) 2S2T / Chain 1: CH 45

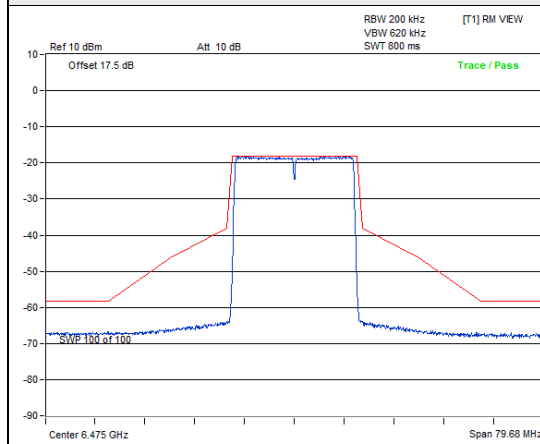


802.11be (EHT20) 2S2T / Chain 1: CH 93

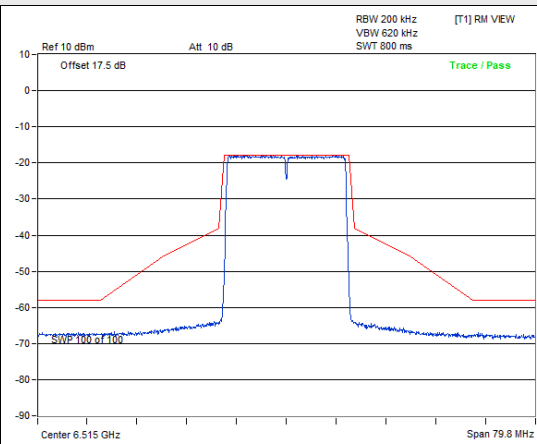


802.11be (EHT20) 2S2T / Chain 1: CH 97

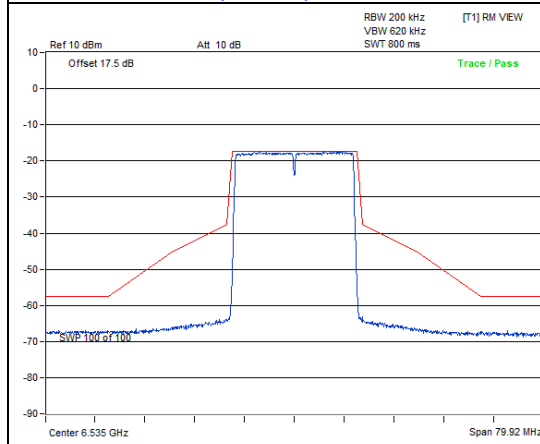
Spectrum Plot



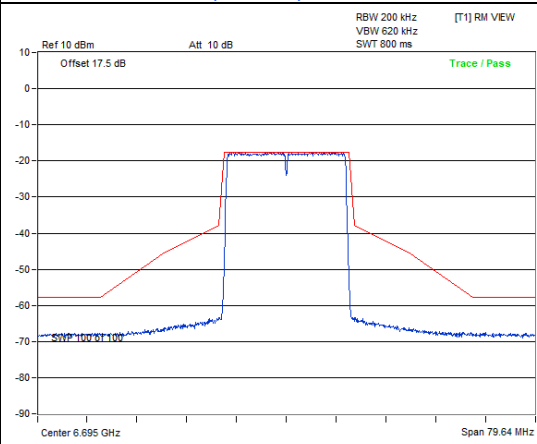
802.11be (EHT20) 2S2T / Chain 1: CH 105



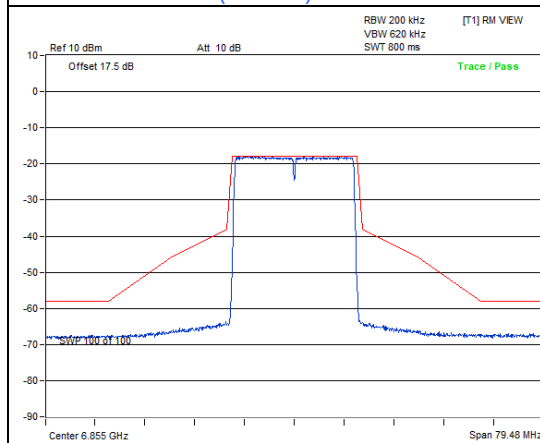
802.11be (EHT20) 2S2T / Chain 1: CH 113



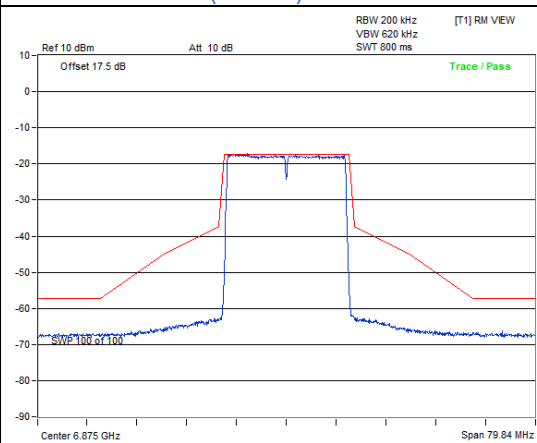
802.11be (EHT20) 2S2T / Chain 1: CH 117



802.11be (EHT20) 2S2T / Chain 1: CH 149

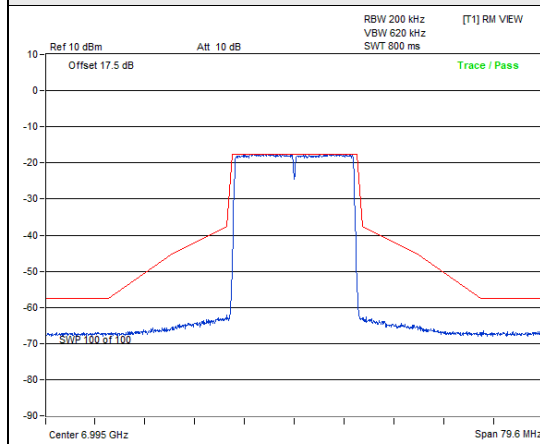


802.11be (EHT20) 2S2T / Chain 1: CH 181

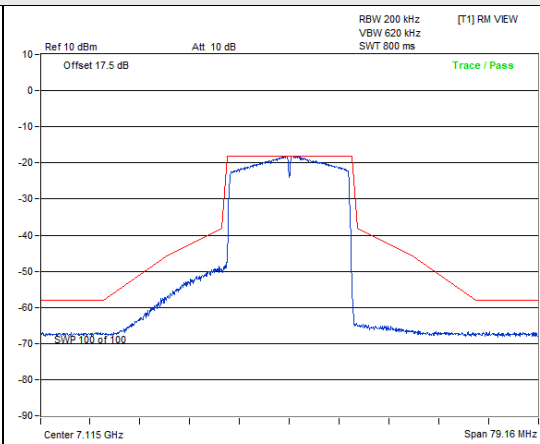


802.11be (EHT20) 2S2T / Chain 1: CH 185

Spectrum Plot



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

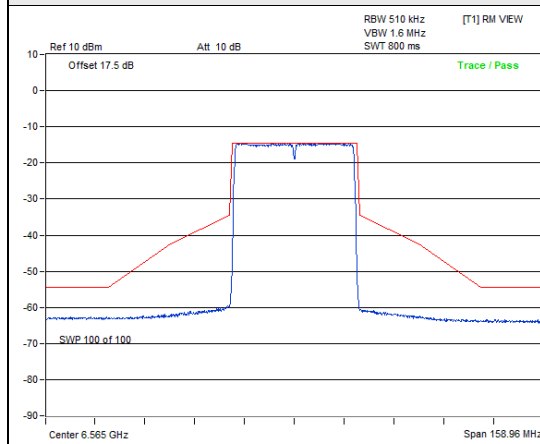


802.11be (EHT20) 2S2T / Chain 1: CH 233

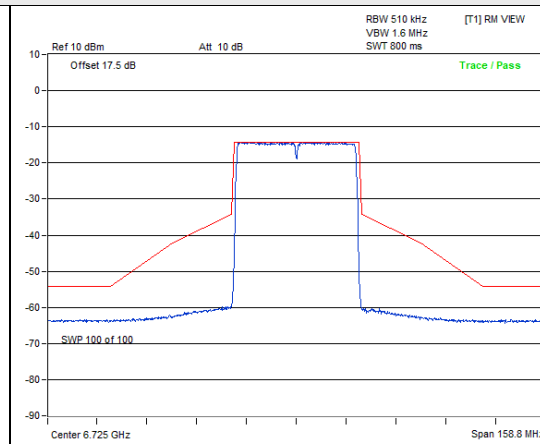
802.11be (EHT40) 2S2T



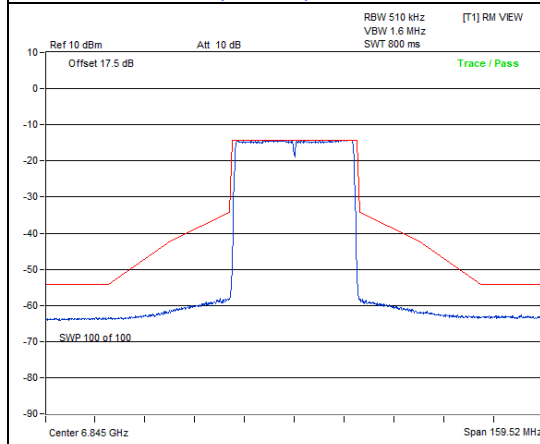
Spectrum Plot



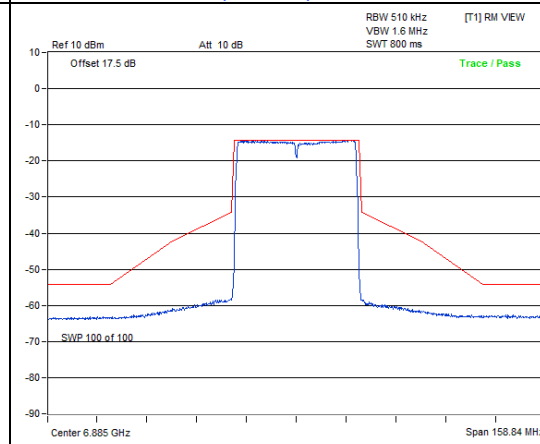
802.11be (EHT40) 2S2T / Chain 0: CH 123



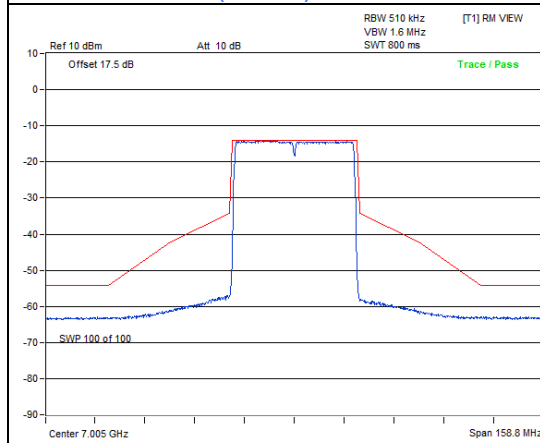
802.11be (EHT40) 2S2T / Chain 0: CH 155



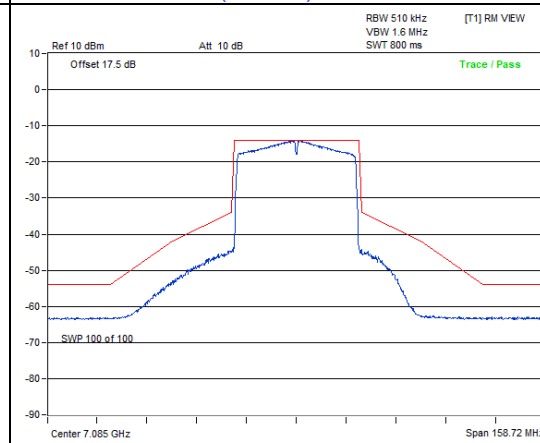
802.11be (EHT40) 2S2T / Chain 0: CH 179



802.11be (EHT40) 2S2T / Chain 0: CH 187

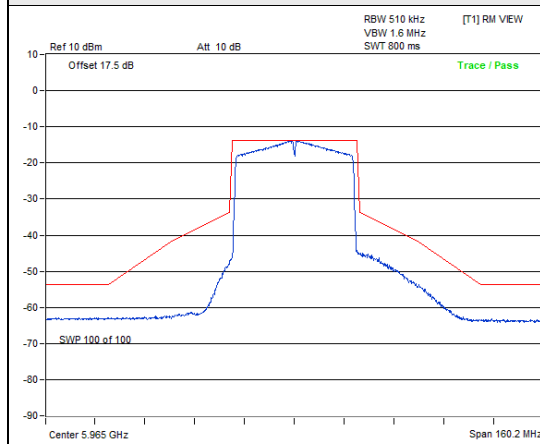


802.11be (EHT40) 2S2T / Chain 0: CH 211

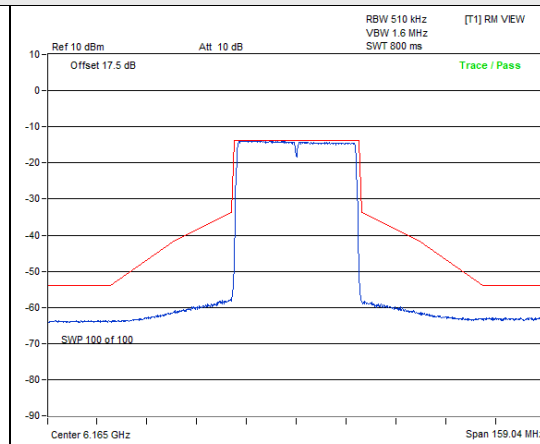


802.11be (EHT40) 2S2T / Chain 0: CH 227

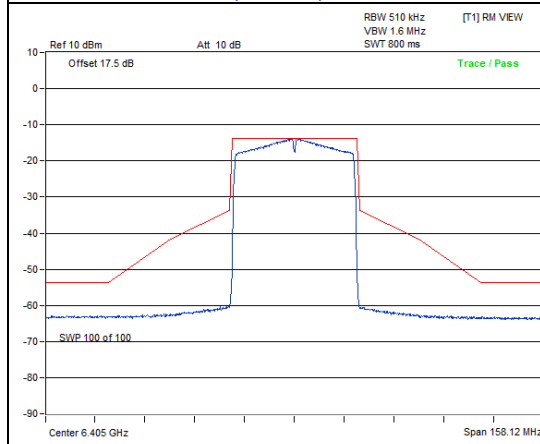
Spectrum Plot



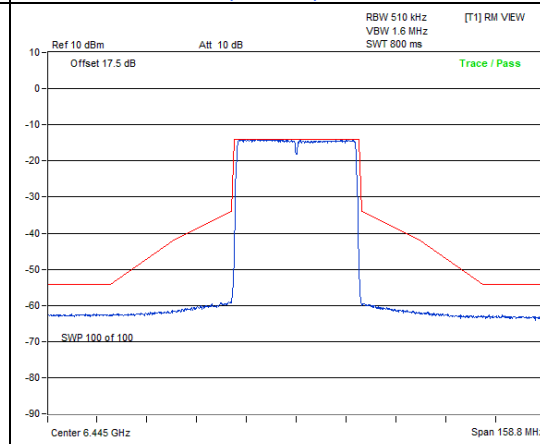
802.11be (EHT40) 2S2T / Chain 1: CH 3



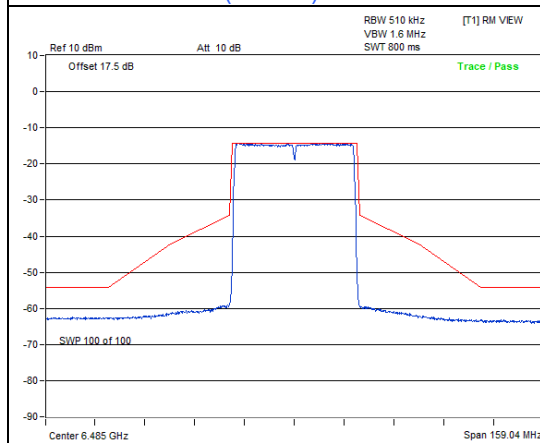
802.11be (EHT40) 2S2T / Chain 1: CH 43



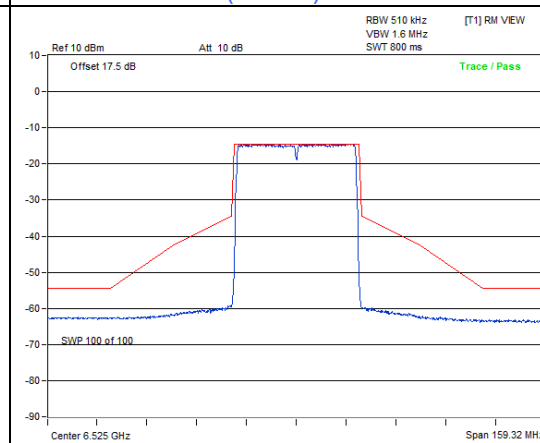
802.11be (EHT40) 2S2T / Chain 1: CH 91



802.11be (EHT40) 2S2T / Chain 1: CH 99

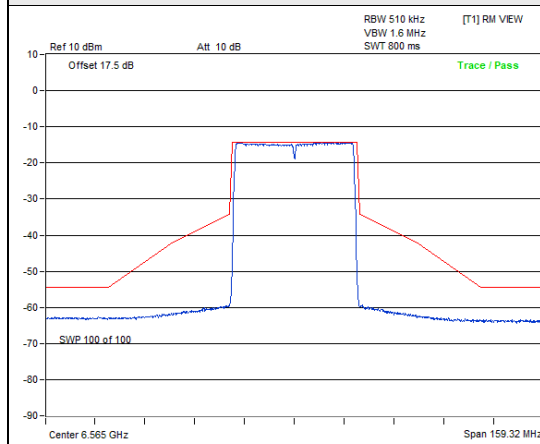


802.11be (EHT40) 2S2T / Chain 1: CH 107

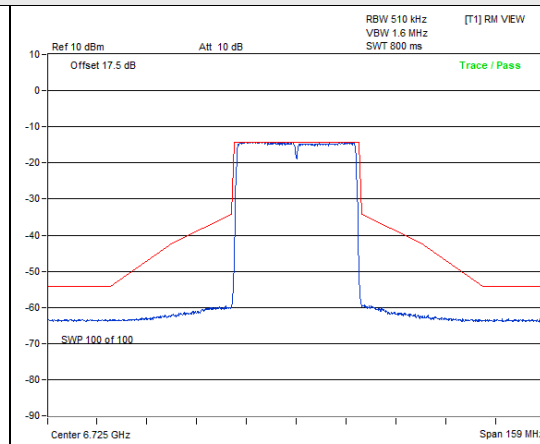


802.11be (EHT40) 2S2T / Chain 1: CH 115

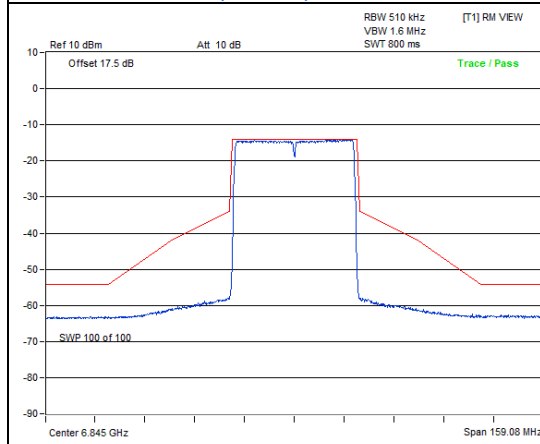
Spectrum Plot



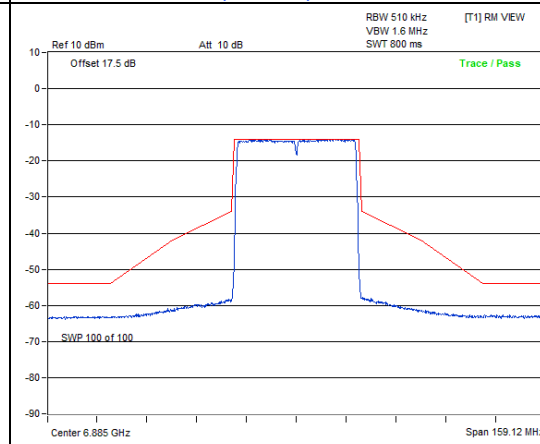
802.11be (EHT40) 2S2T / Chain 1: CH 123



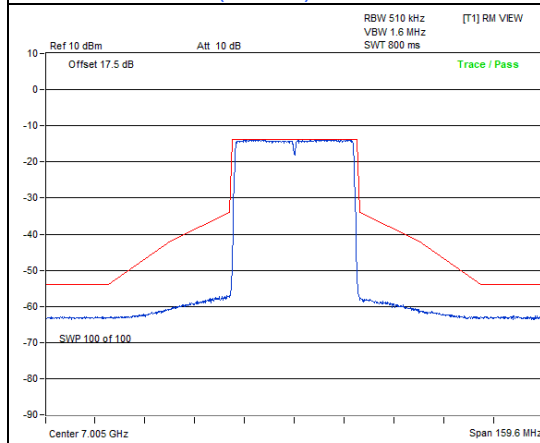
802.11be (EHT40) 2S2T / Chain 1: CH 155



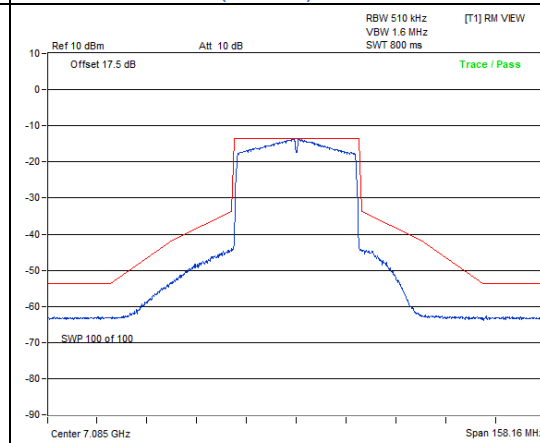
802.11be (EHT40) 2S2T / Chain 1: CH 179



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



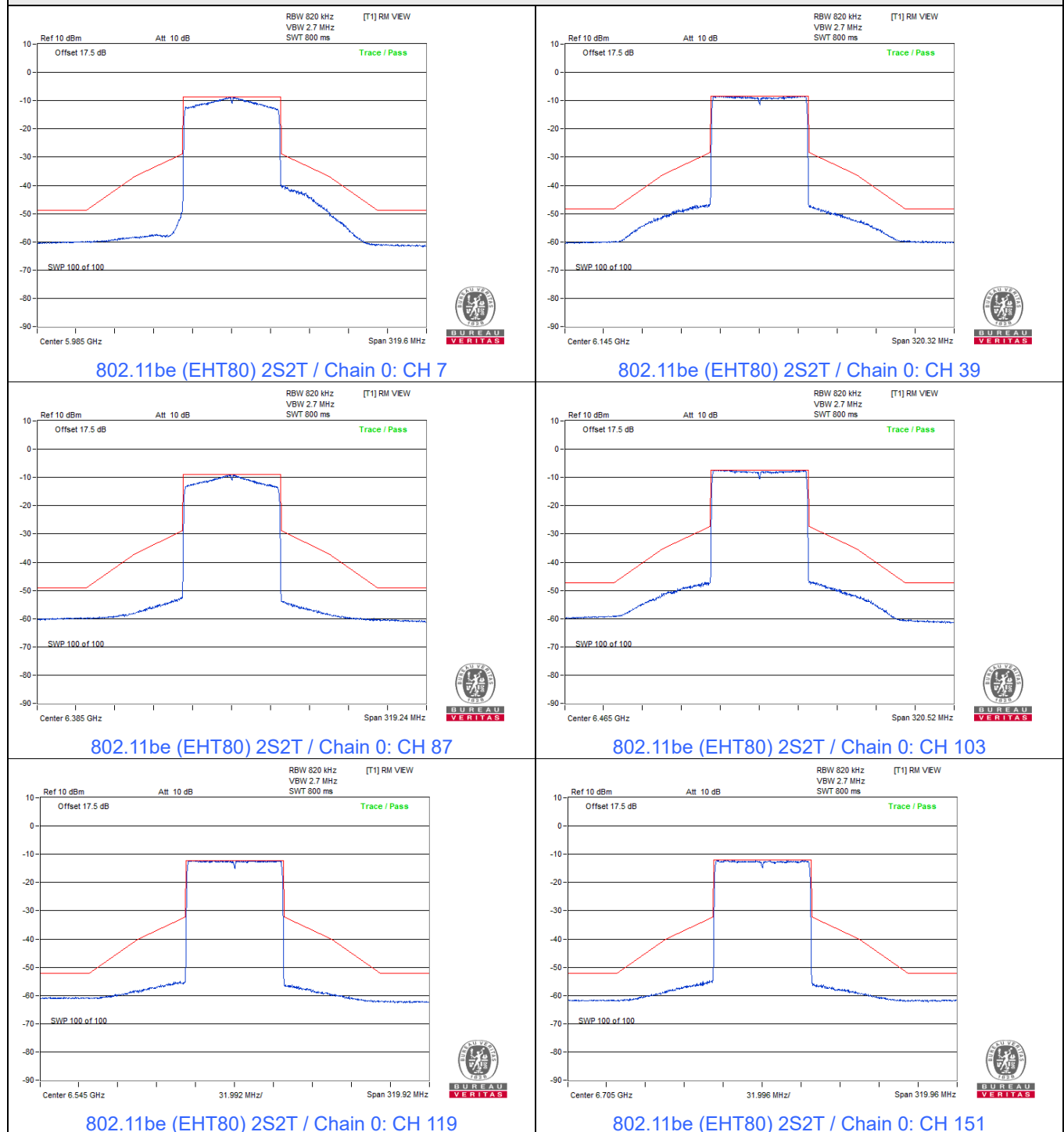
802.11be (EHT40) 2S2T / Chain 1: CH 211



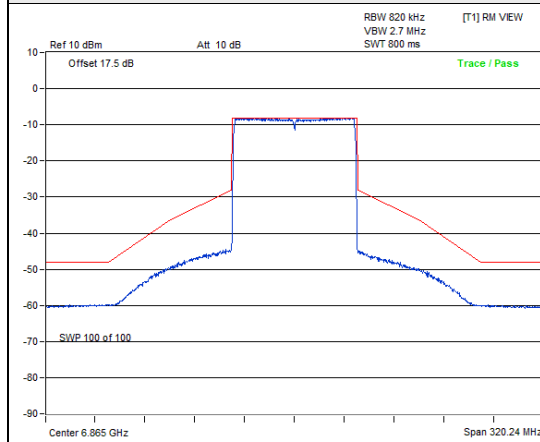
802.11be (EHT40) 2S2T / Chain 1: CH 227

802.11be (EHT80) 2S2T

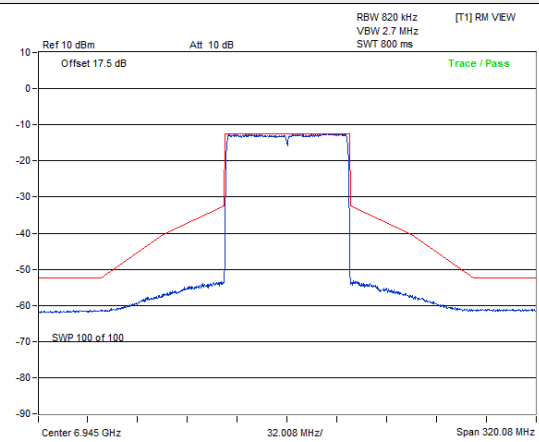
Spectrum Plot



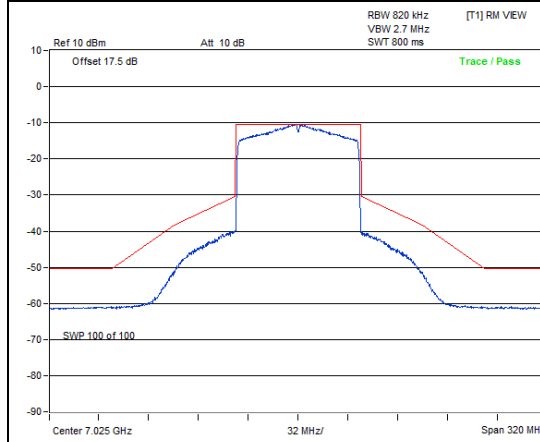
Spectrum Plot



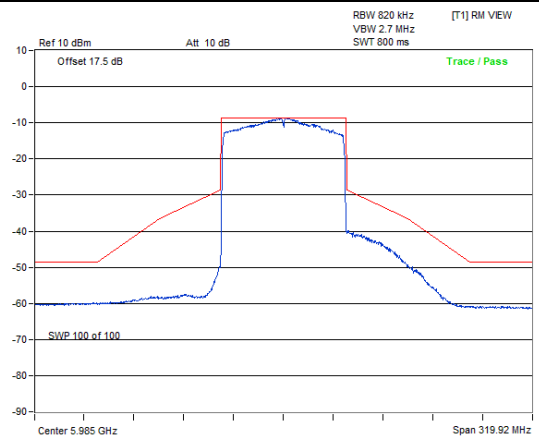
802.11be (EHT80) 2S2T / Chain 0: CH 183



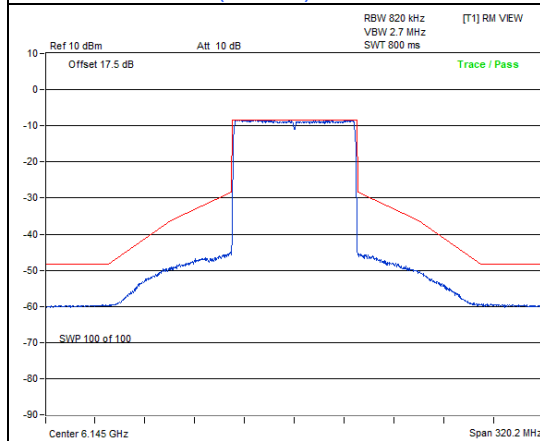
802.11be (EHT80) 2S2T / Chain 0: CH 199



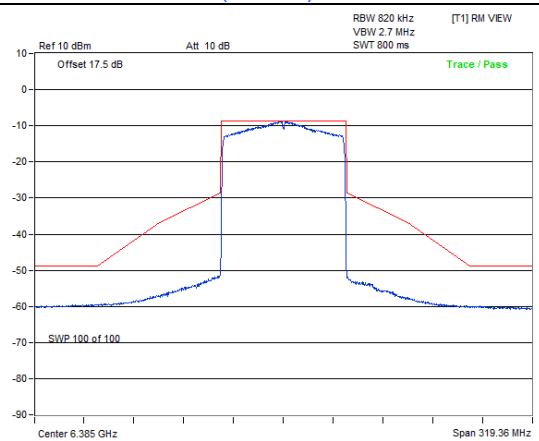
802.11be (EHT80) 2S2T / Chain 0: CH 215



802.11be (EHT80) 2S2T / Chain 1: CH 7

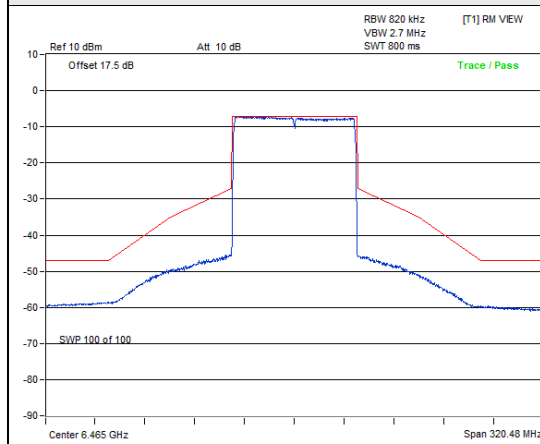


802.11be (EHT80) 2S2T / Chain 1: CH 39

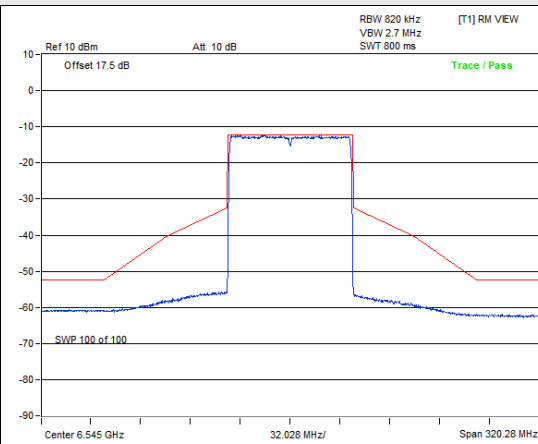


802.11be (EHT80) 2S2T / Chain 1: CH 87

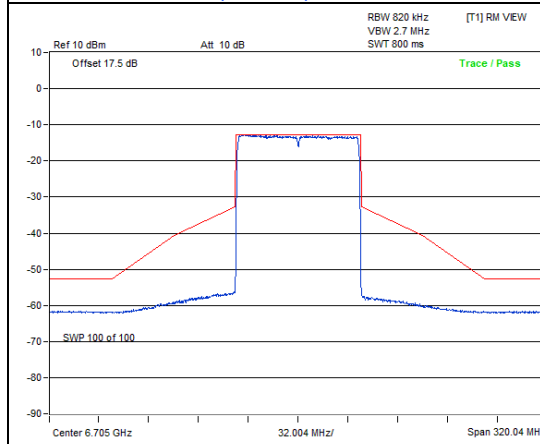
Spectrum Plot



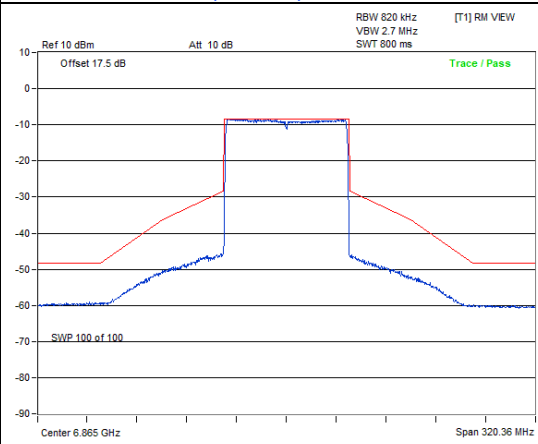
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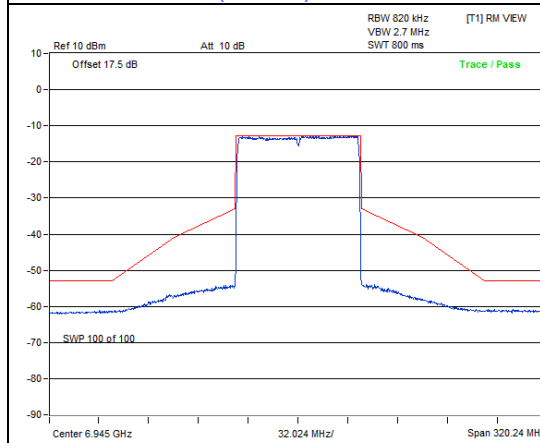
802.11be (EHT80) 2S2T / Chain 1: CH 119



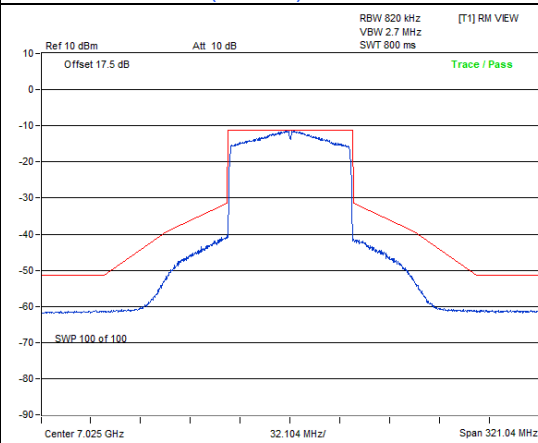
802.11be (EHT80) 2S2T / Chain 1: CH 151



802.11be (EHT80) 2S2T / Chain 1: CH 183



802.11be (EHT80) 2S2T / Chain 1: CH 199

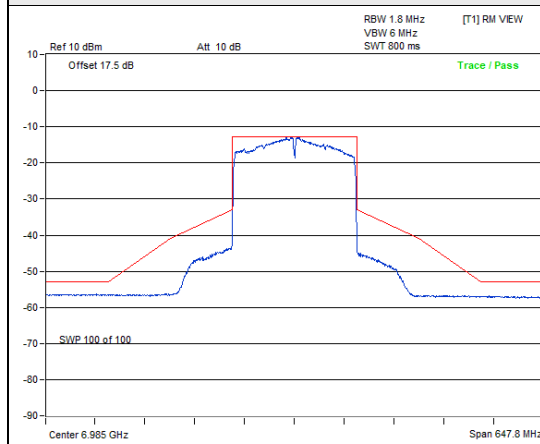


802.11be (EHT80) 2S2T / Chain 1: CH 215

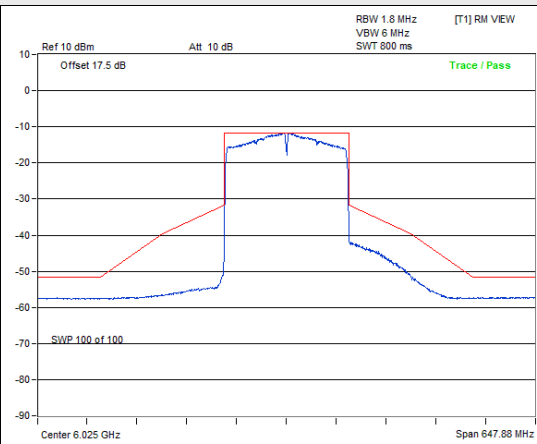
802.11be (EHT160) 2S2T



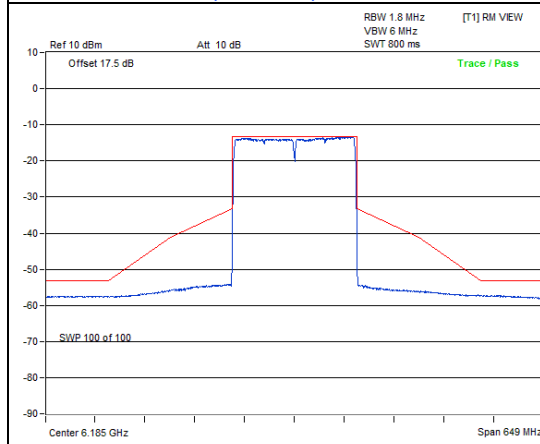
Spectrum Plot



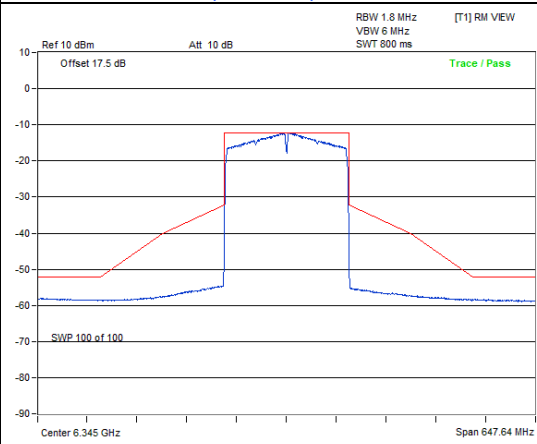
802.11be (EHT160) 2S2T / Chain 0: CH 207



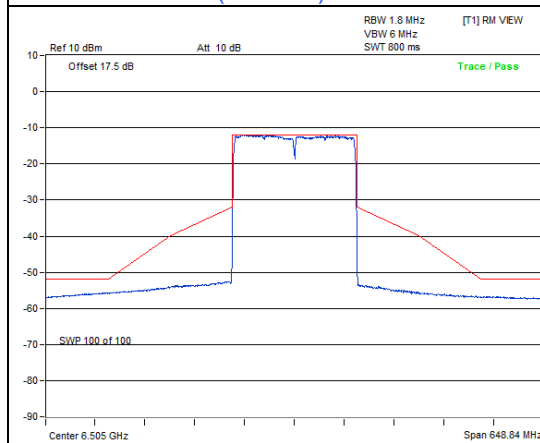
802.11be (EHT160) 2S2T / Chain 1: CH 15



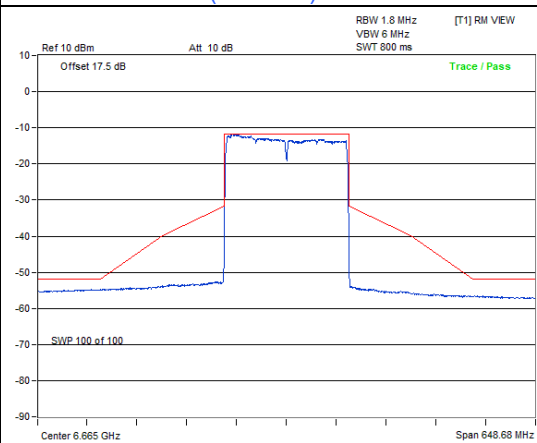
802.11be (EHT160) 2S2T / Chain 1: CH 47



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

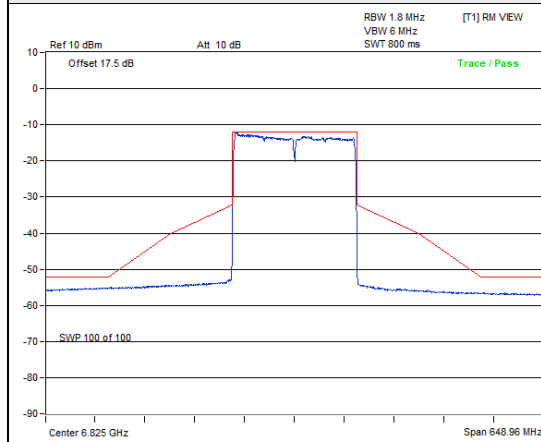


802.11be (EHT160) 2S2T / Chain 1: CH 111

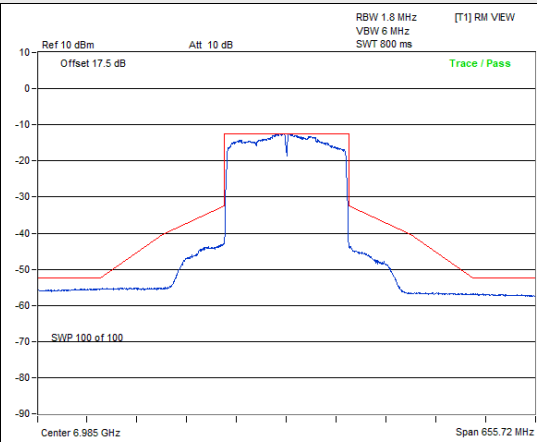


802.11be (EHT160) 2S2T / Chain 1: CH 143

Spectrum Plot

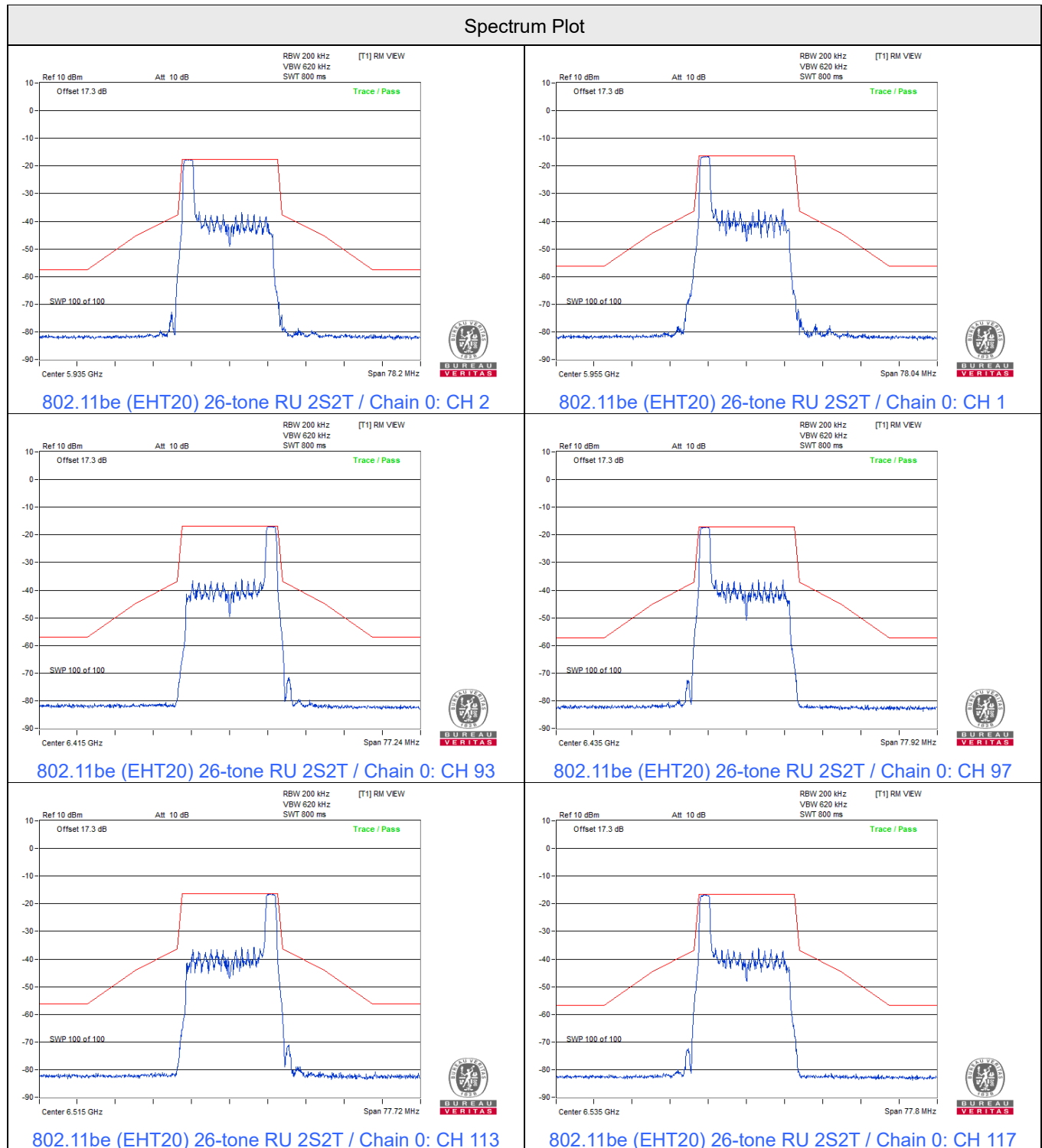


802.11be (EHT160) 2S2T / Chain 1: CH 175

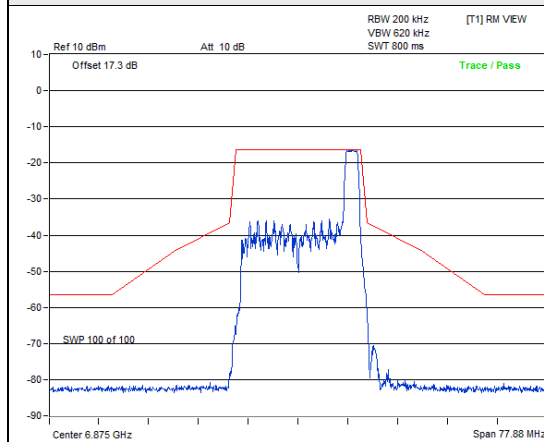


802.11be (EHT160) 2S2T / Chain 1: CH 207

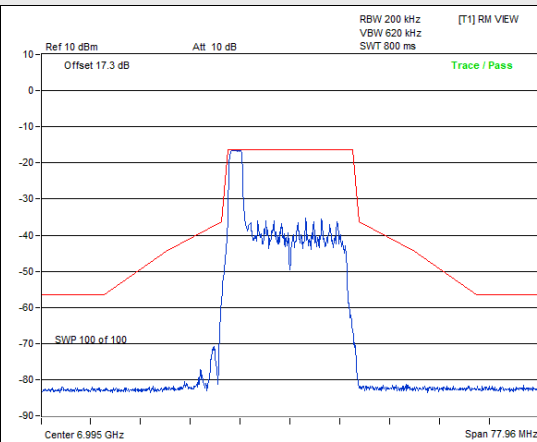
802.11be (EHT20) 26-tone RU 2S2T



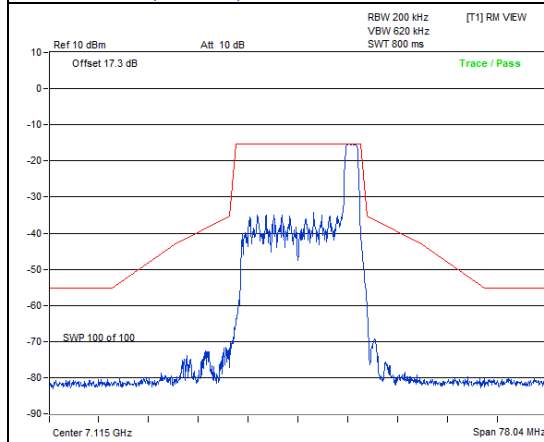
Spectrum Plot



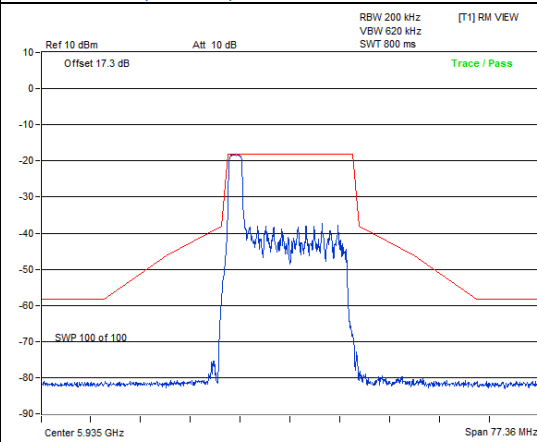
802.11be (EHT20) 26-tone RU 2S2T / Chain 0: CH 185



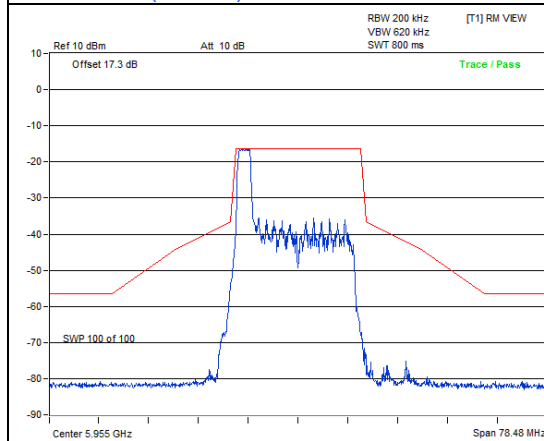
802.11be (EHT20) 26-tone RU 2S2T / Chain 0: CH 209



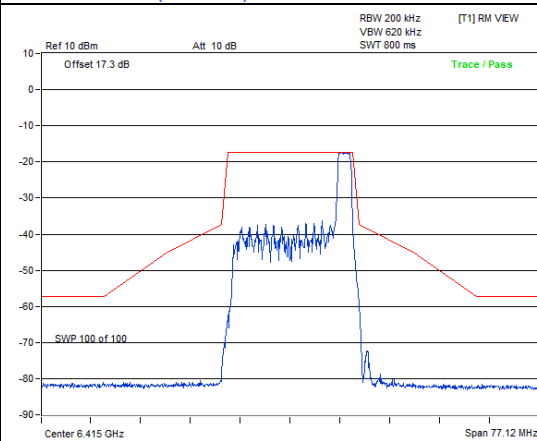
802.11be (EHT20) 26-tone RU 2S2T / Chain 0: CH 233



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

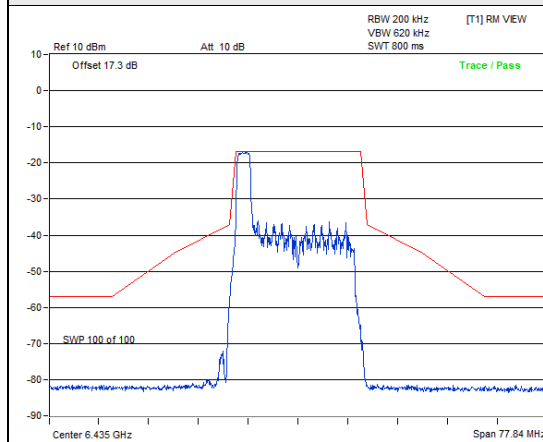


802.11be (EHT20) 26-tone RU 2S2T / Chain 1: CH 1

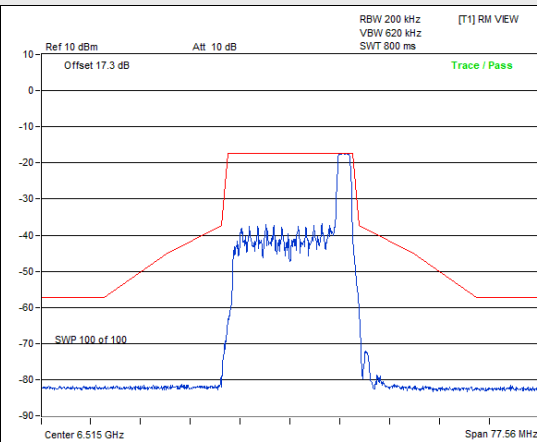


802.11be (EHT20) 26-tone RU 2S2T / Chain 1: CH 93

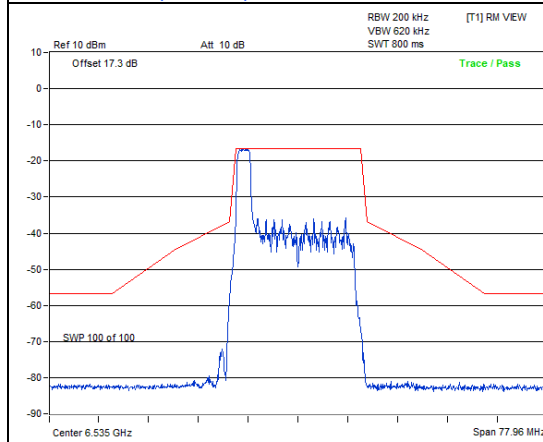
Spectrum Plot



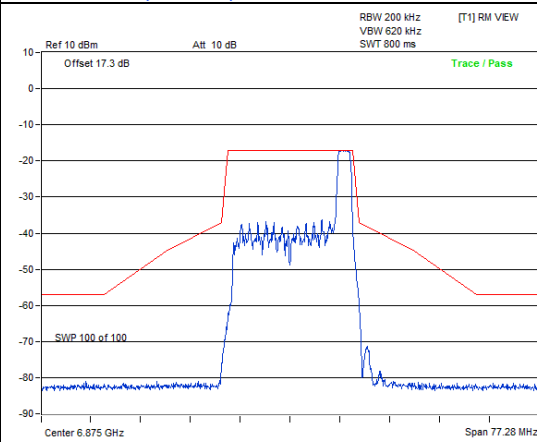
802.11be (EHT20) 26-tone RU 2S2T / Chain 1: CH 97



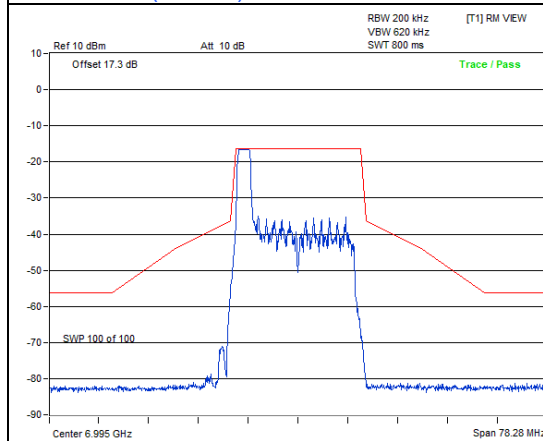
802.11be (EHT20) 26-tone RU 2S2T / Chain 1: CH 113



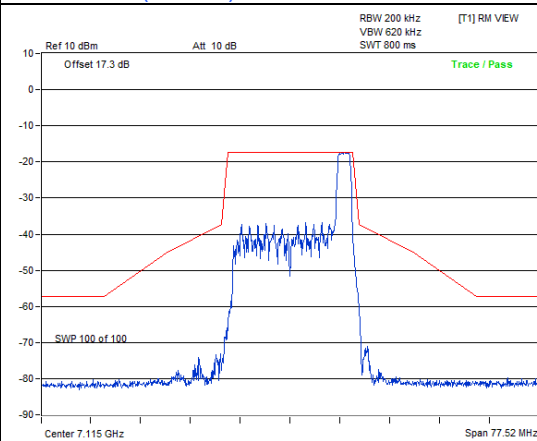
802.11be (EHT20) 26-tone RU 2S2T / Chain 1: CH 117



802.11be (EHT20) 26-tone RU 2S2T / Chain 1: CH 185



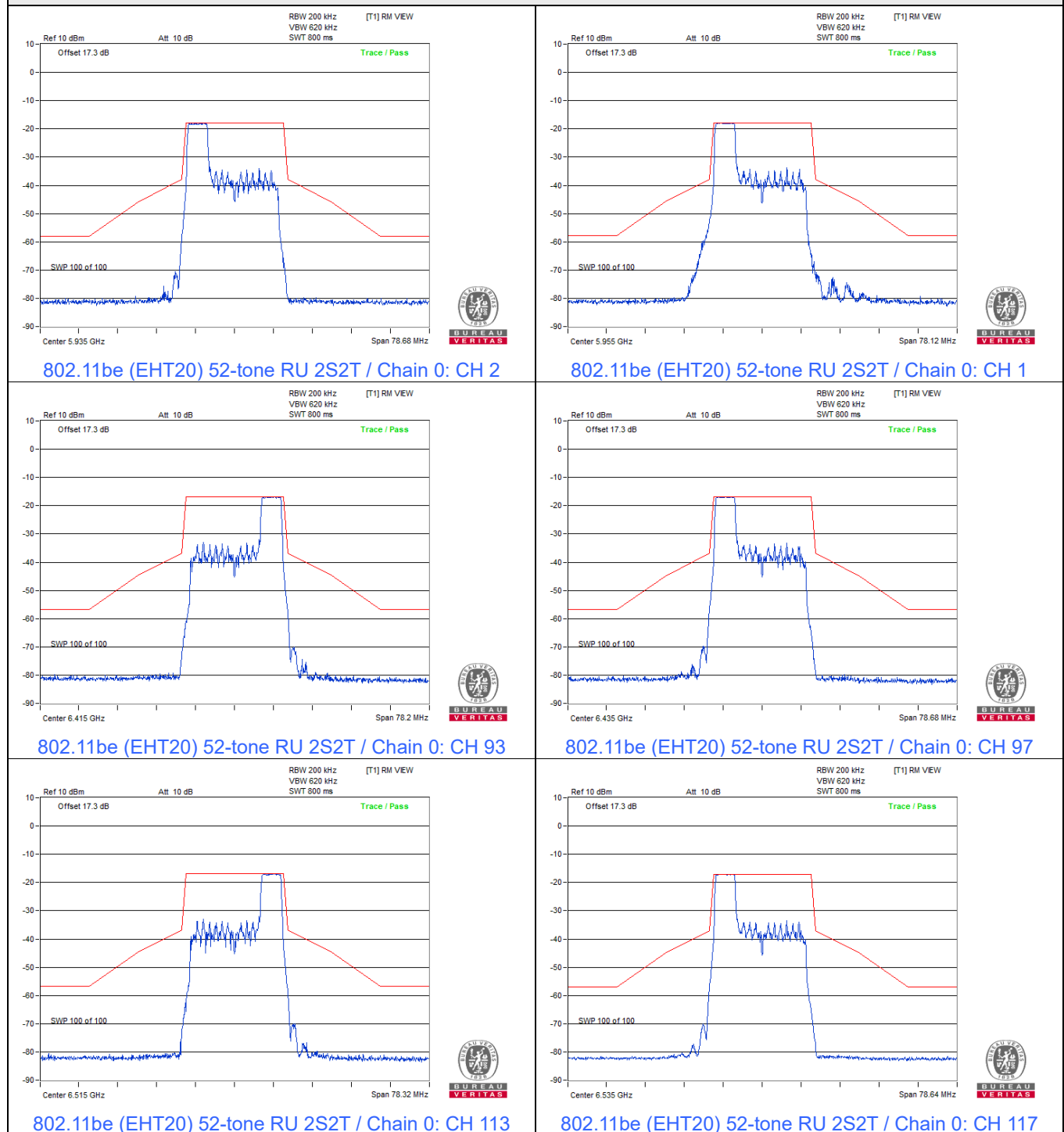
802.11be (EHT20) 26-tone RU 2S2T / Chain 1: CH 209



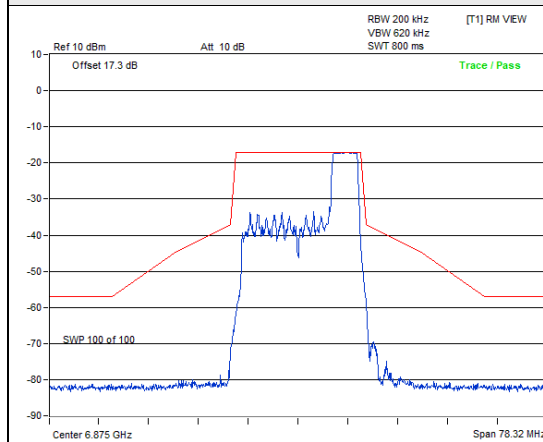
802.11be (EHT20) 26-tone RU 2S2T / Chain 1: CH 233

802.11be (EHT20) 52-tone RU 2S2T

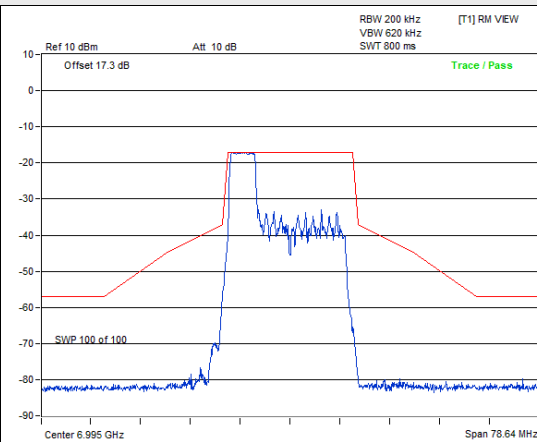
Spectrum Plot



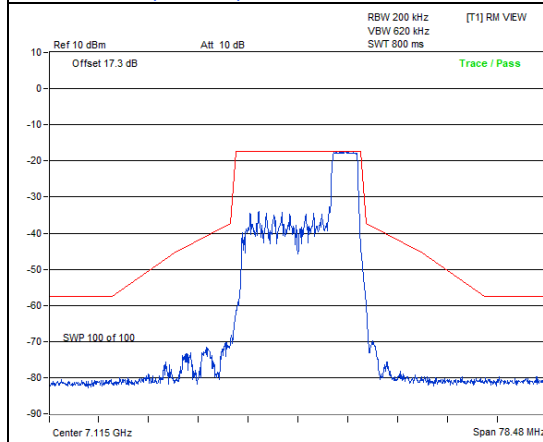
Spectrum Plot



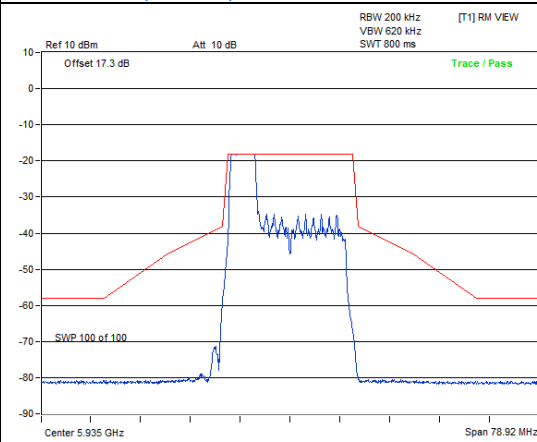
802.11be (EHT20) 52-tone RU 2S2T / Chain 0: CH 185



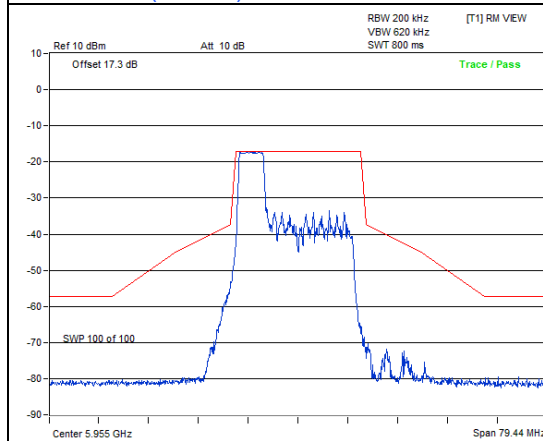
802.11be (EHT20) 52-tone RU 2S2T / Chain 0: CH 209



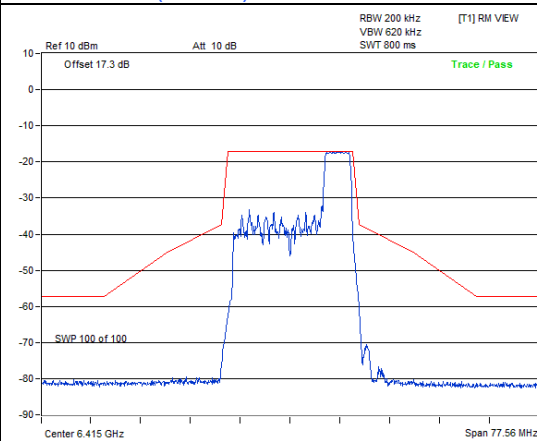
802.11be (EHT20) 52-tone RU 2S2T / Chain 0: CH 233



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

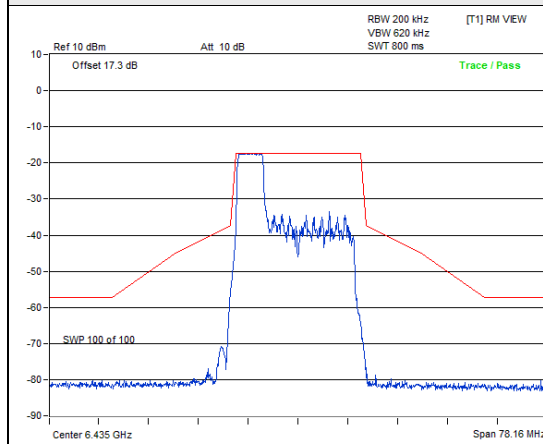


802.11be (EHT20) 52-tone RU 2S2T / Chain 1: CH 1

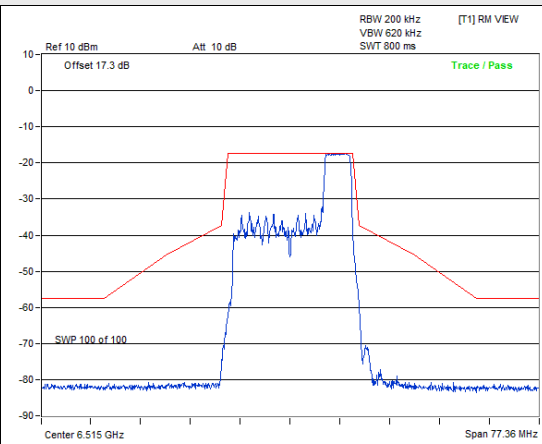


802.11be (EHT20) 52-tone RU 2S2T / Chain 1: CH 93

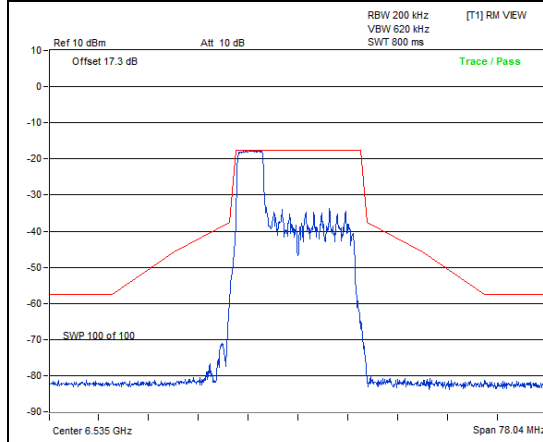
Spectrum Plot



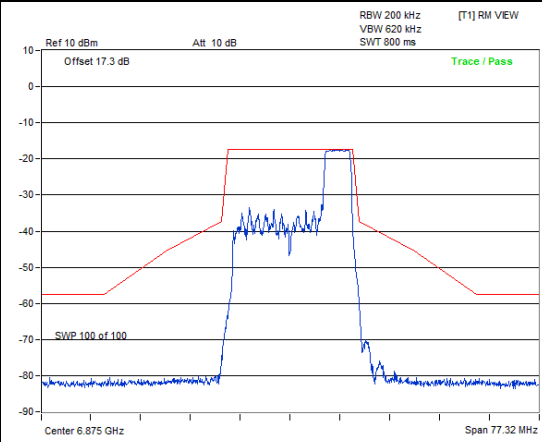
802.11be (EHT20) 52-tone RU 2S2T / Chain 1: CH 97



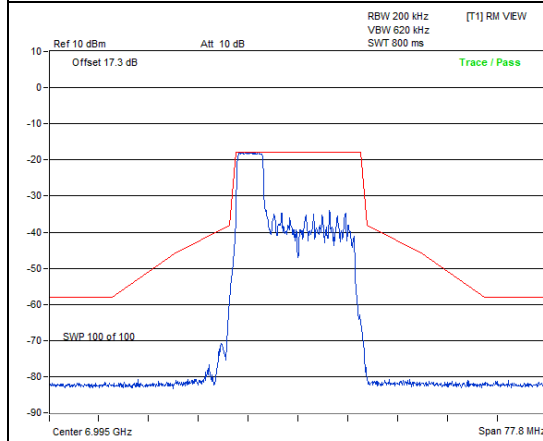
802.11be (EHT20) 52-tone RU 2S2T / Chain 1: CH 113



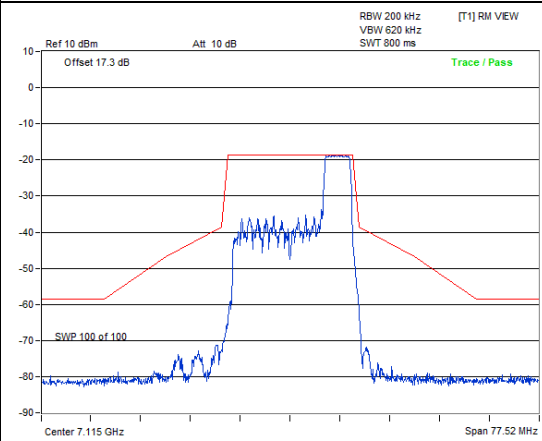
802.11be (EHT20) 52-tone RU 2S2T / Chain 1: CH 117



802.11be (EHT20) 52-tone RU 2S2T / Chain 1: CH 185



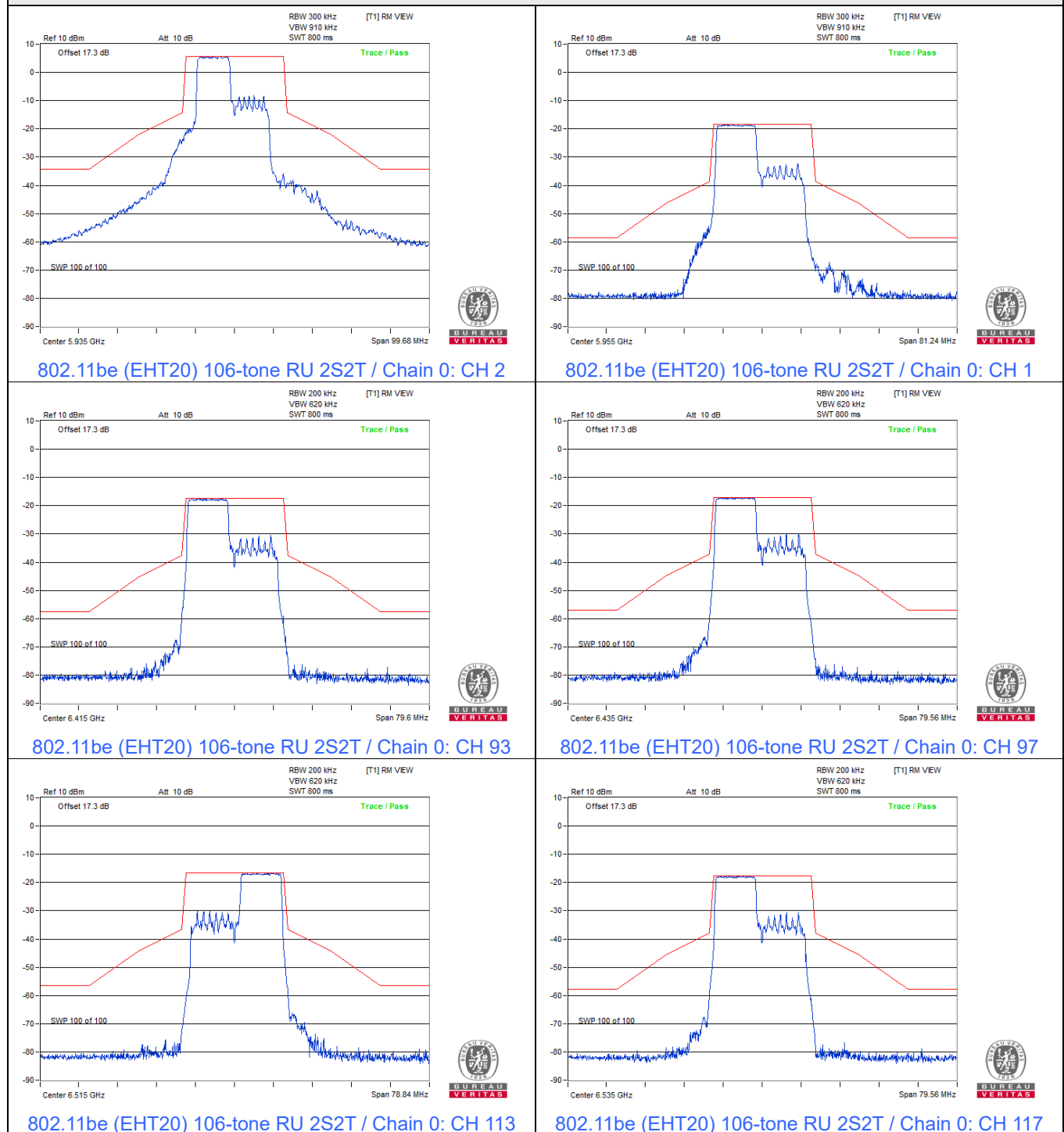
802.11be (EHT20) 52-tone RU 2S2T / Chain 1: CH 209



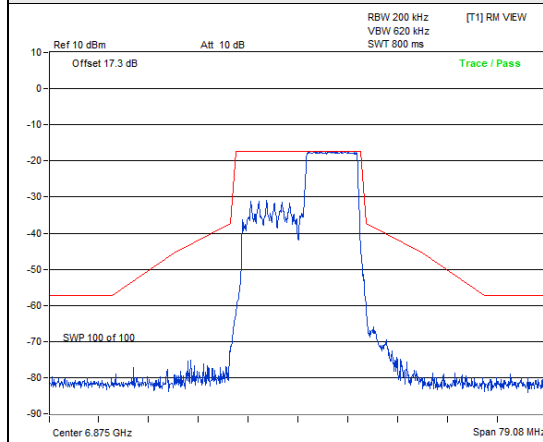
802.11be (EHT20) 52-tone RU 2S2T / Chain 1: CH 233

802.11be (EHT20) 106-tone RU 2S2T

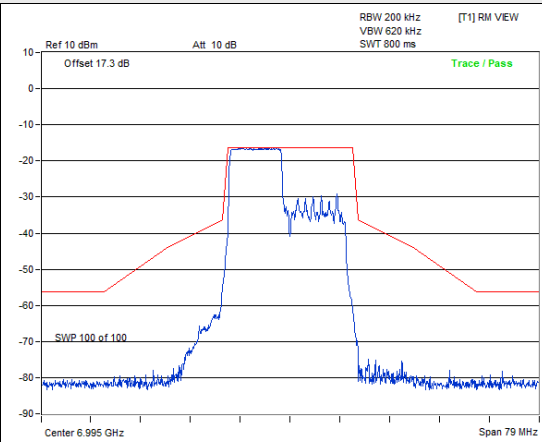
Spectrum Plot



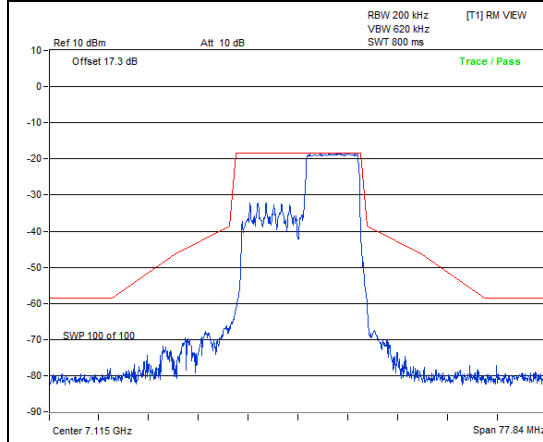
Spectrum Plot



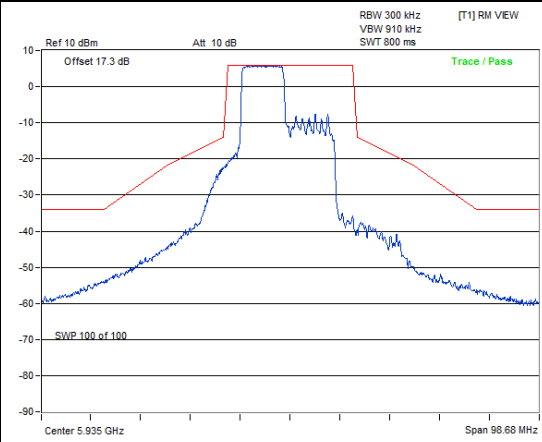
802.11be (EHT20) 106-tone RU 2S2T / Chain 0: CH 185



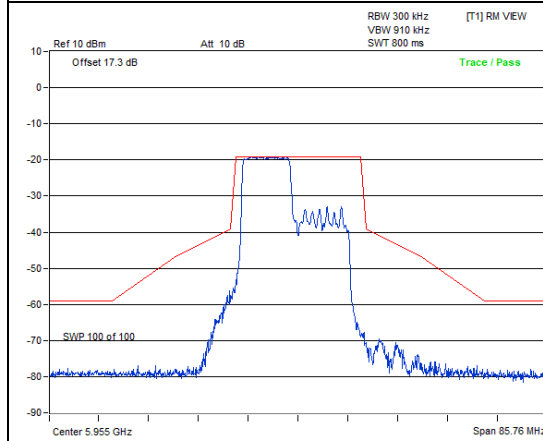
802.11be (EHT20) 106-tone RU 2S2T / Chain 0: CH 209



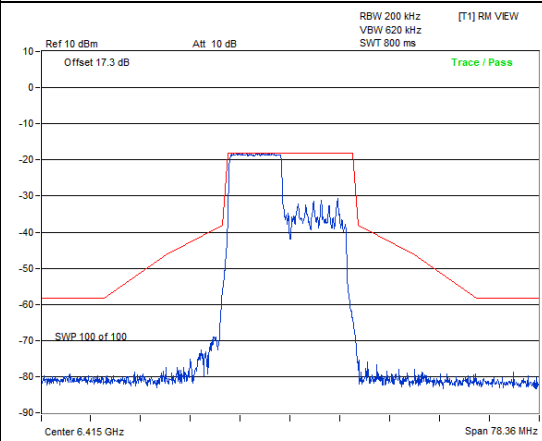
802.11be (EHT20) 106-tone RU 2S2T / Chain 0: CH 233



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

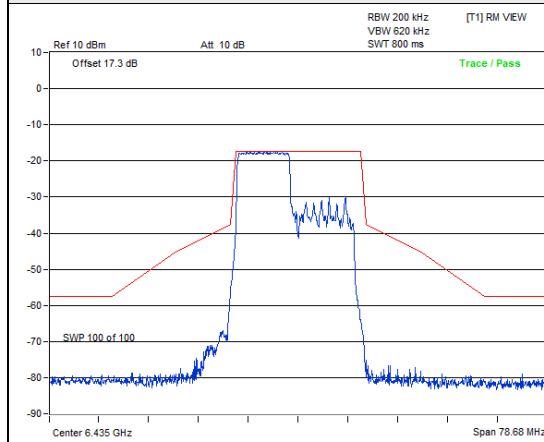


802.11be (EHT20) 106-tone RU 2S2T / Chain 1: CH 1

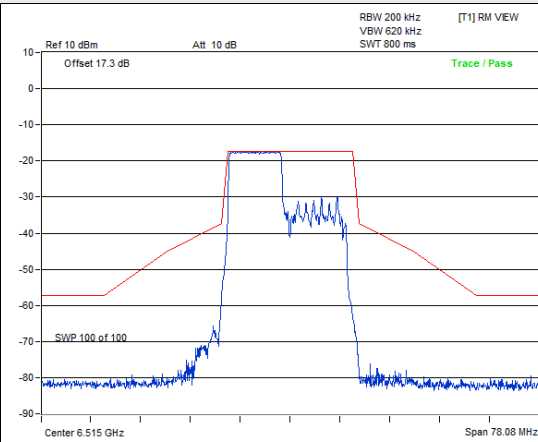


802.11be (EHT20) 106-tone RU 2S2T / Chain 1: CH 93

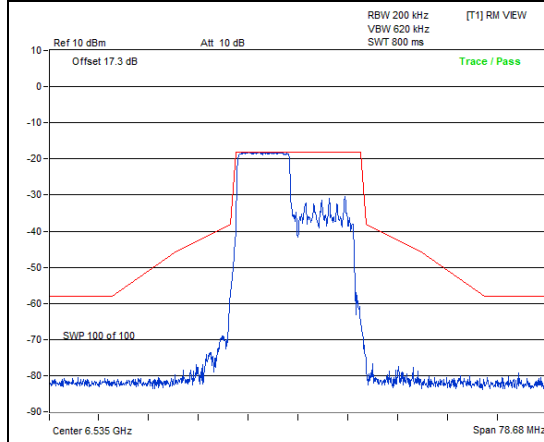
Spectrum Plot



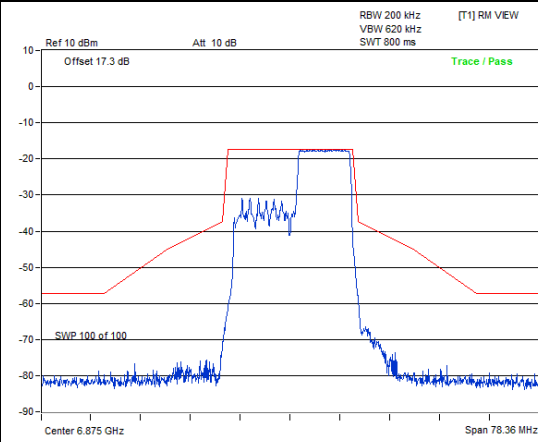
802.11be (EHT20) 106-tone RU 2S2T / Chain 1: CH 97



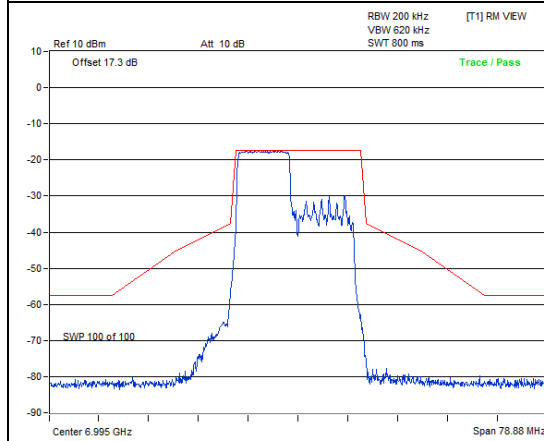
802.11be (EHT20) 106-tone RU 2S2T / Chain 1: CH 113



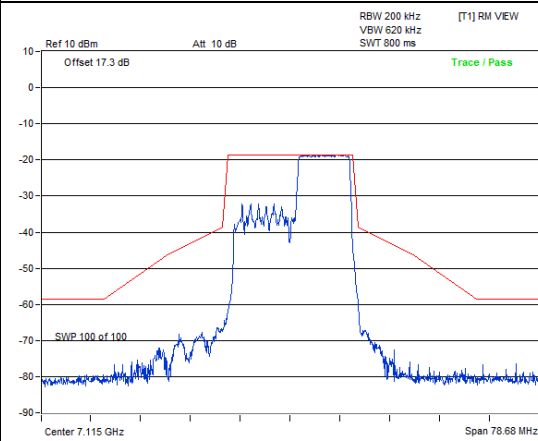
802.11be (EHT20) 106-tone RU 2S2T / Chain 1: CH 117



802.11be (EHT20) 106-tone RU 2S2T / Chain 1: CH 185

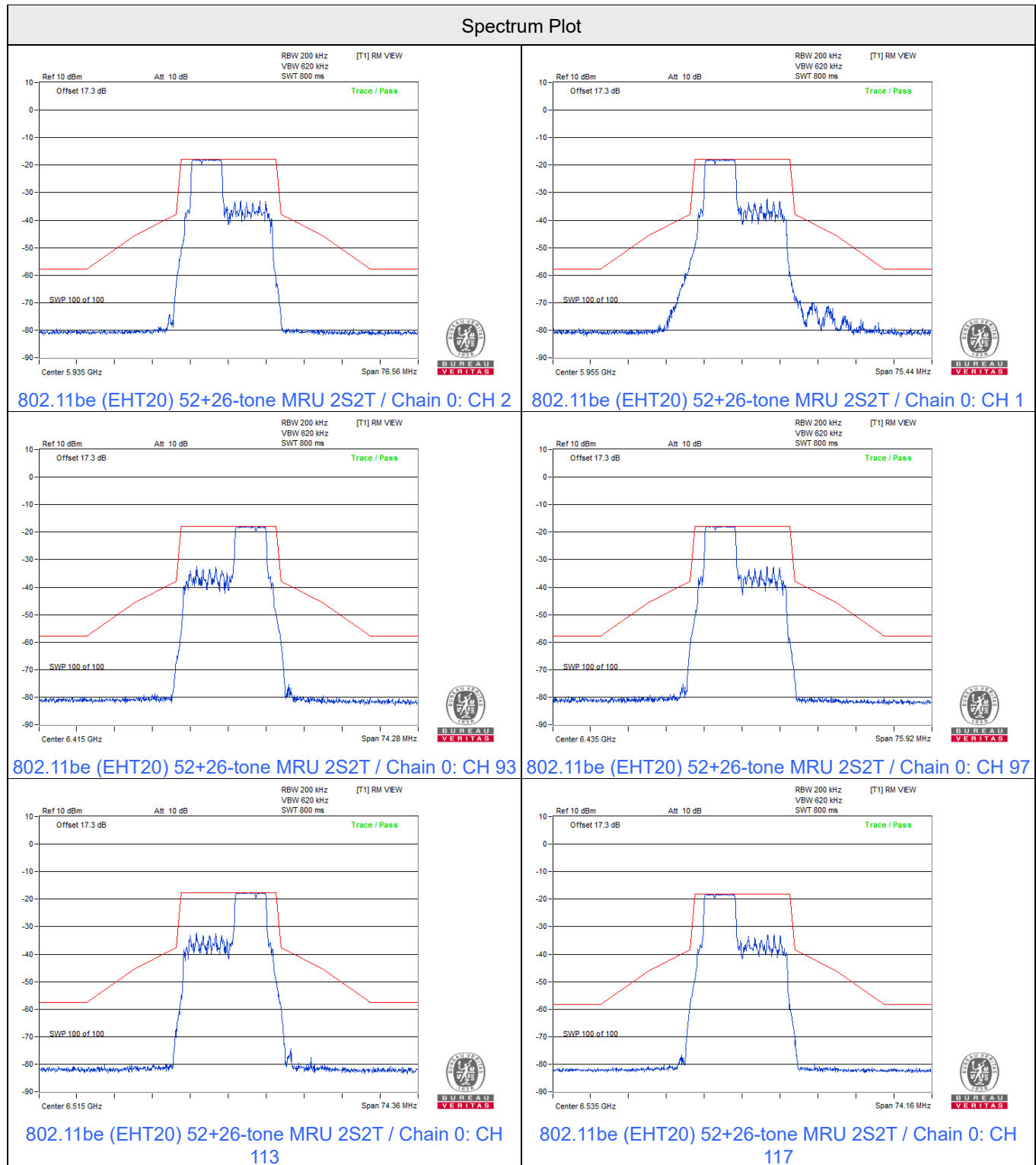


802.11be (EHT20) 106-tone RU 2S2T / Chain 1: CH 209

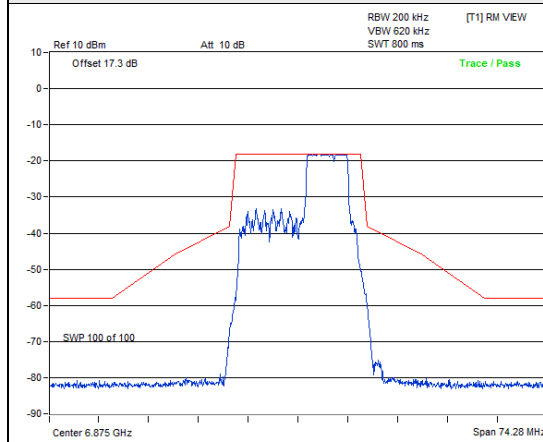


802.11be (EHT20) 106-tone RU 2S2T / Chain 1: CH 233

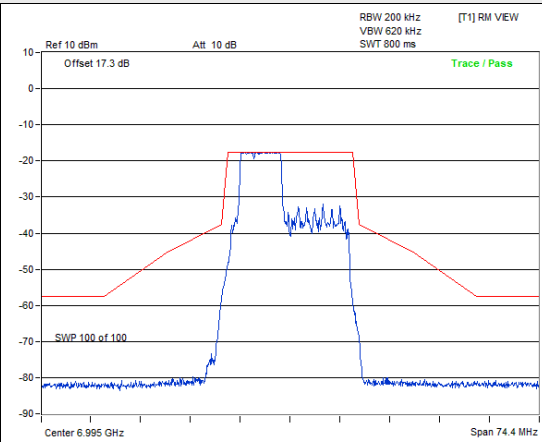
802.11be (EHT20) 52+26-tone MRU 2S2T



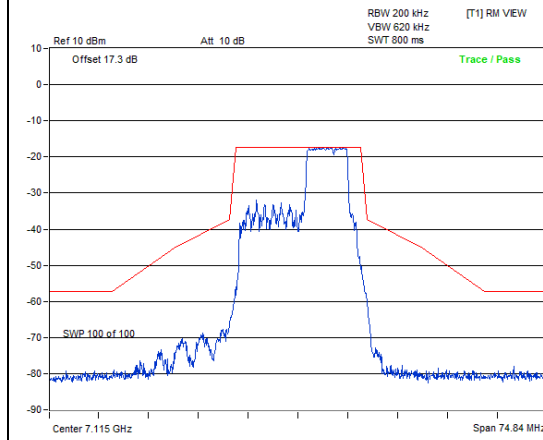
Spectrum Plot



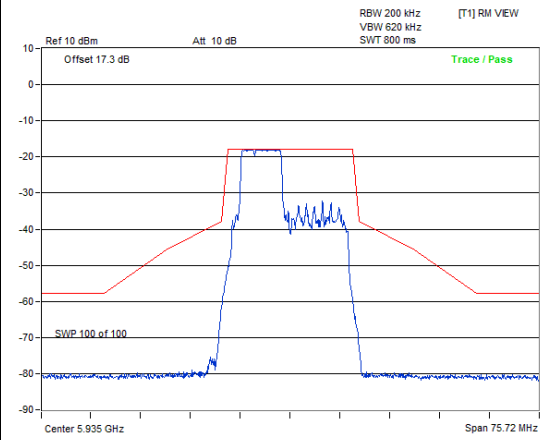
802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 0: CH 185



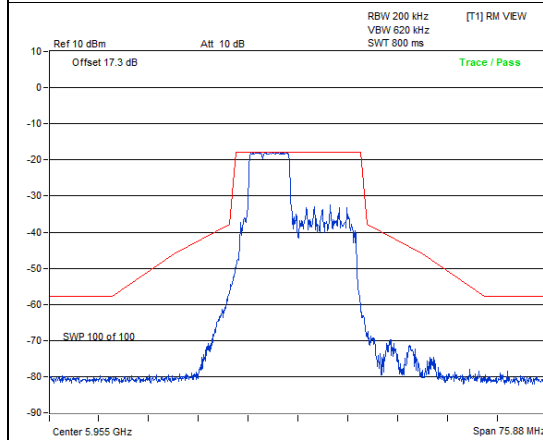
802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 0: CH 209



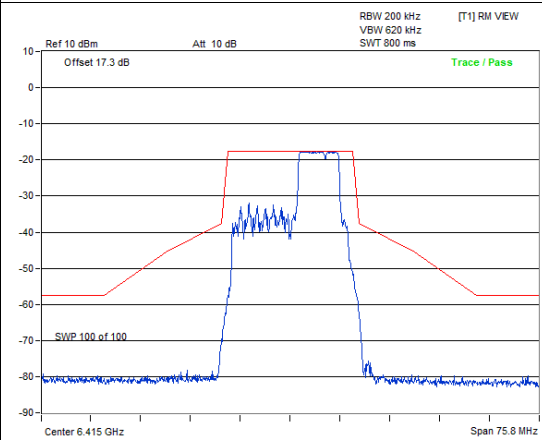
802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 0: CH 233



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

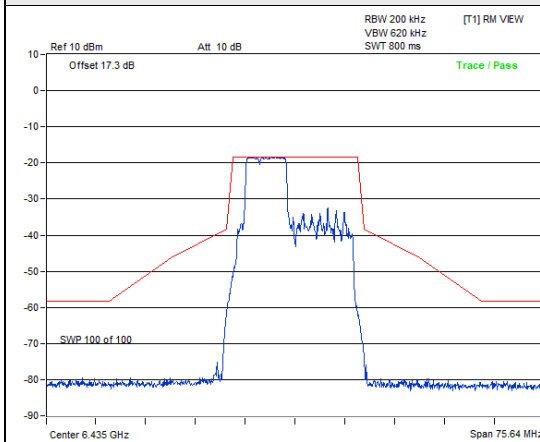


802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 1: CH 1

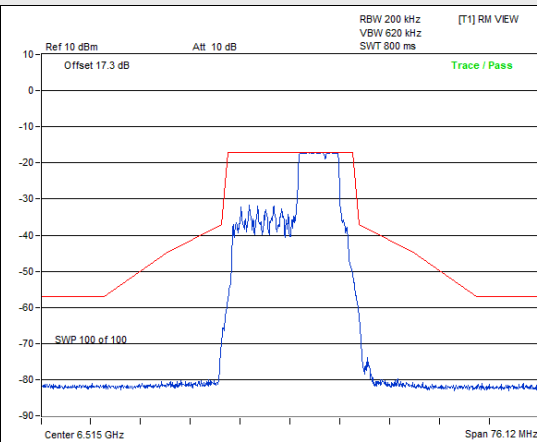


802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 1: CH 93

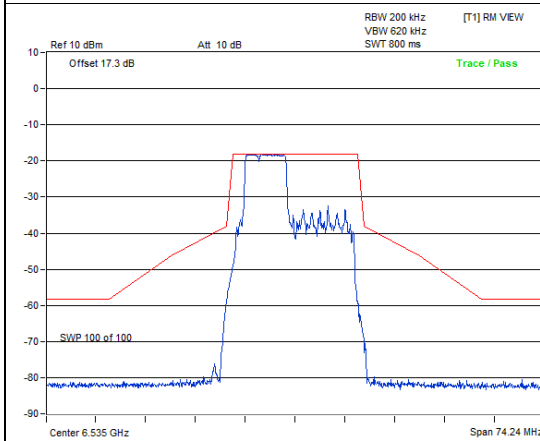
Spectrum Plot



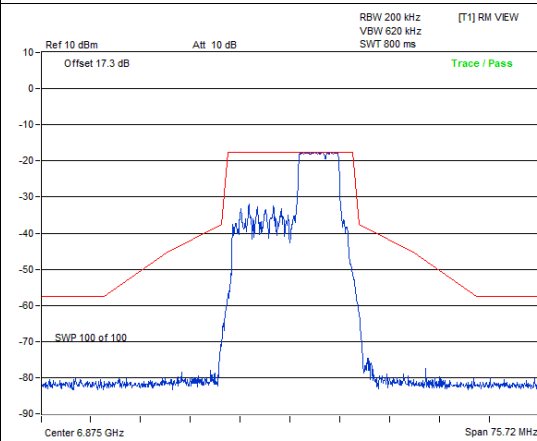
802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 1: CH 97



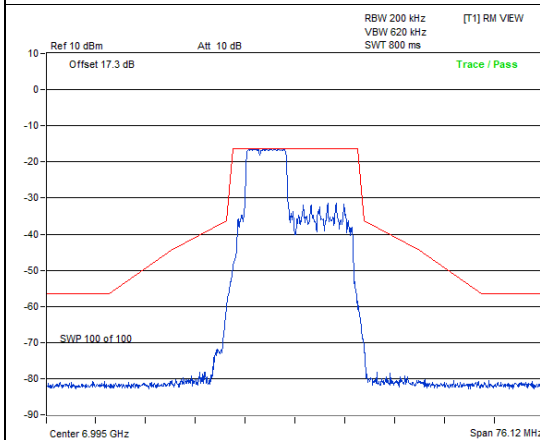
802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 1: CH 113



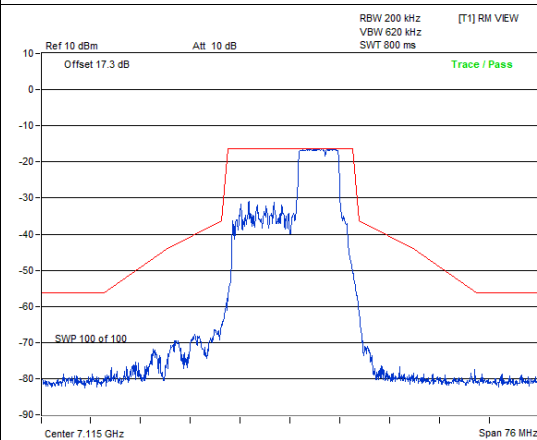
802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 1: CH 117



802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 1: CH 185



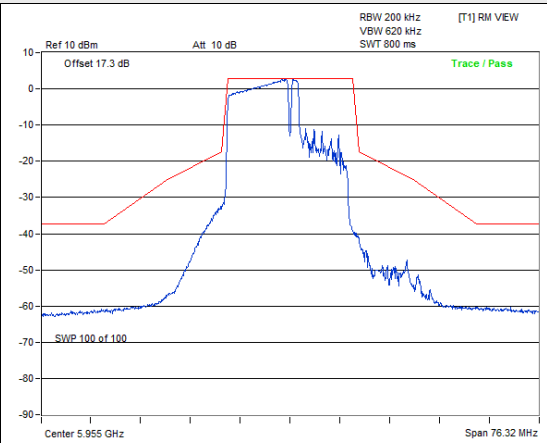
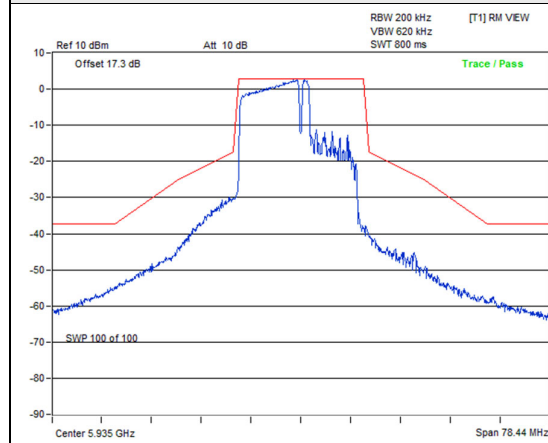
802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 1: CH 209



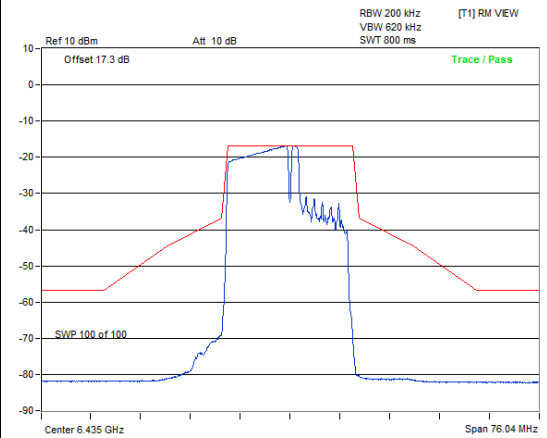
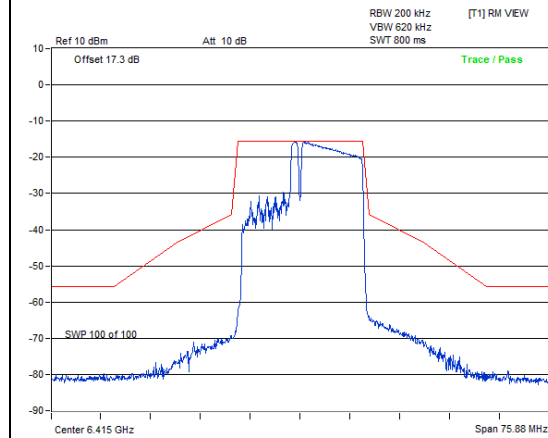
802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 1: CH 233

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

Spectrum Plot

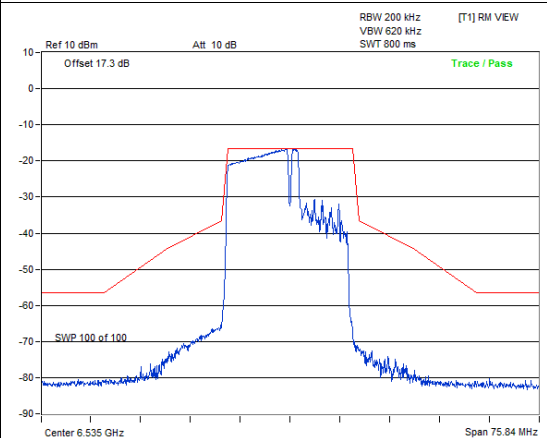
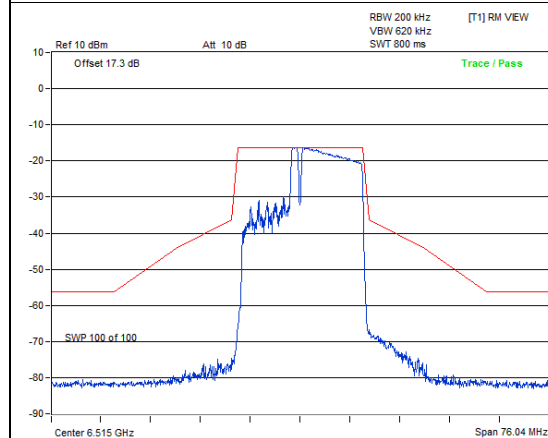


802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 0: CH 2



802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 0: CH 93

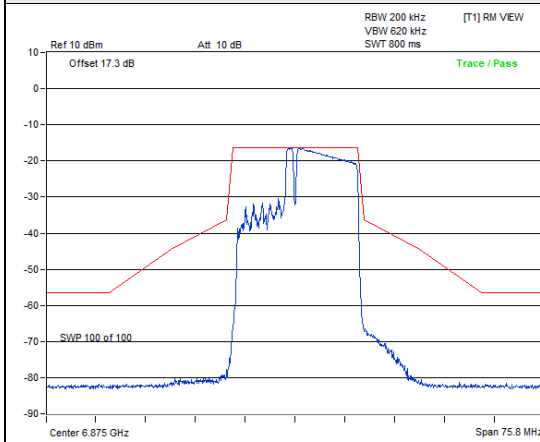
802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 0: CH 97



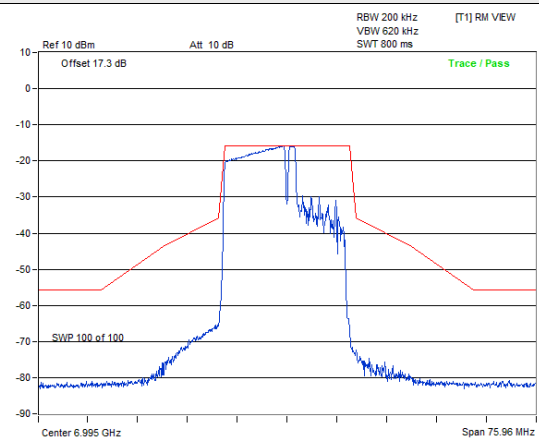
802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 0: CH 113

802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 0: CH 117

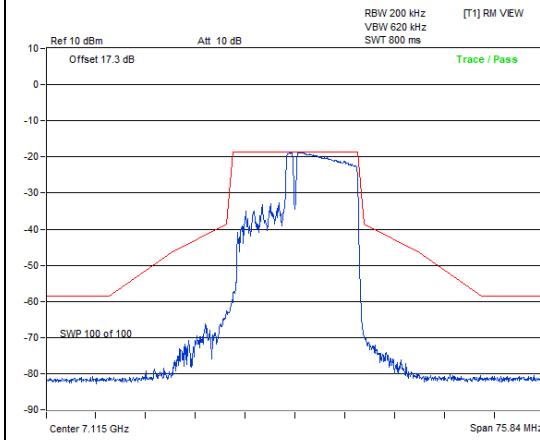
Spectrum Plot



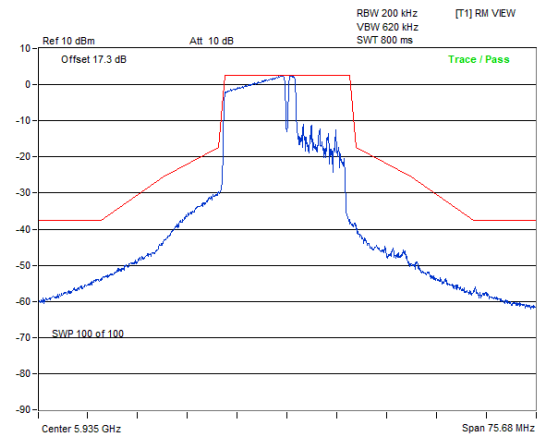
802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 0: CH 185



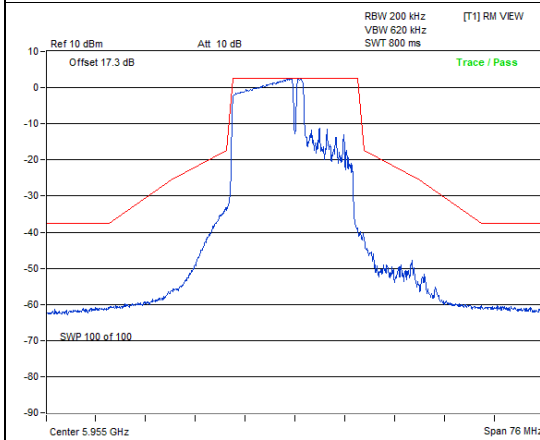
802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 0: CH 209



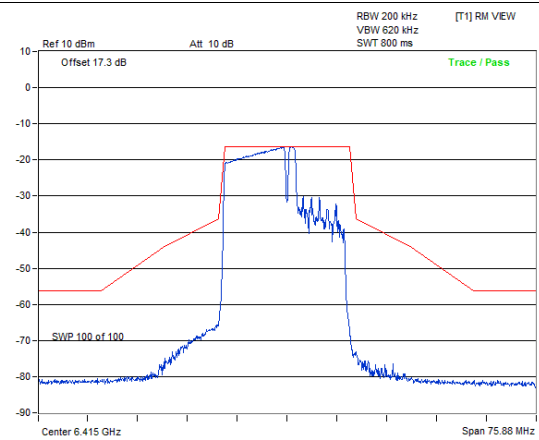
802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 0: CH 233



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

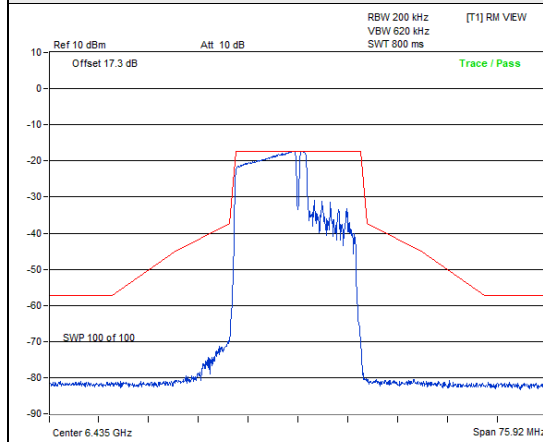


802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 1: CH 1

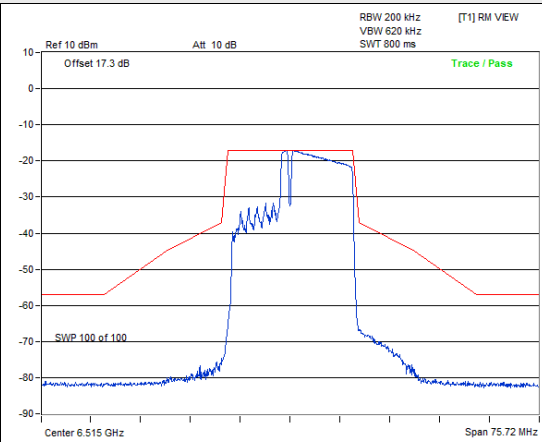


802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 1: CH 93

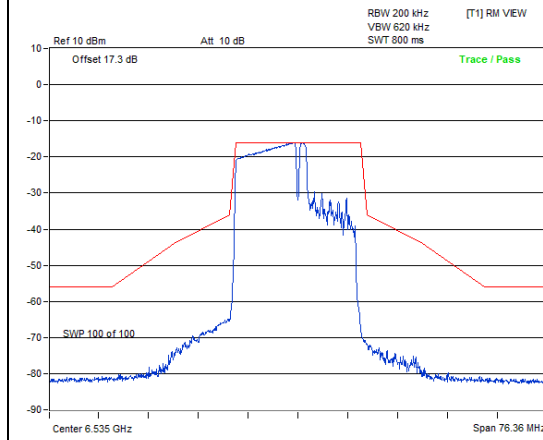
Spectrum Plot



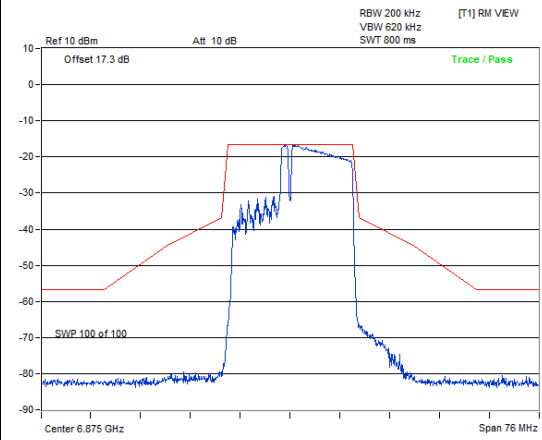
802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 1: CH
97



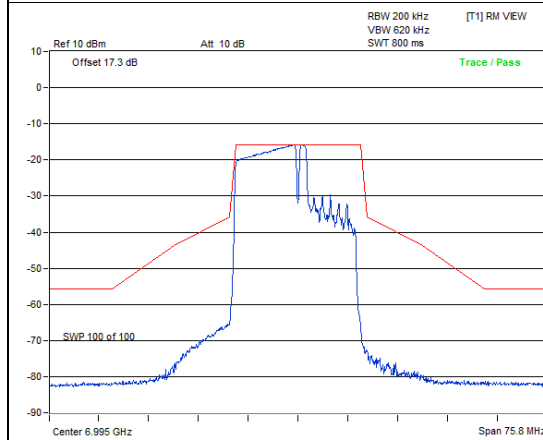
802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 1: CH
113



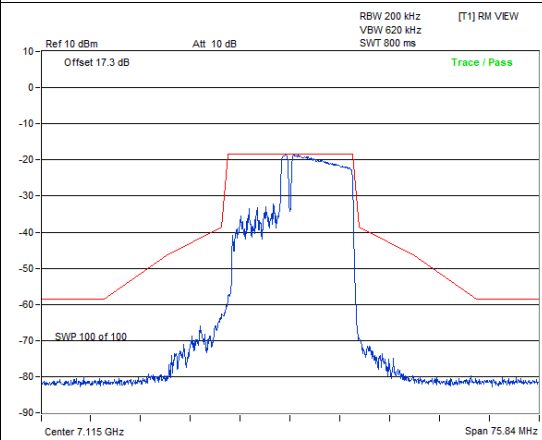
802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 1: CH
117



802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 1: CH
185



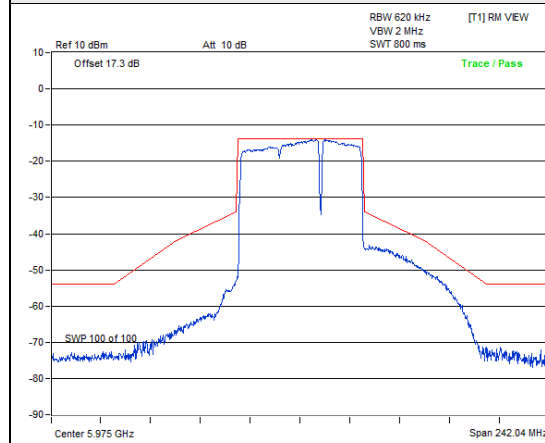
802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 1: CH
209



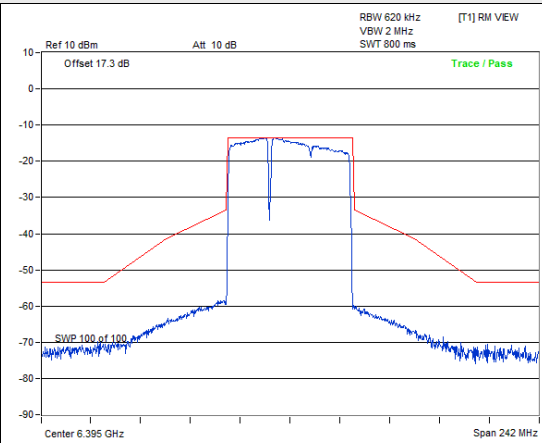
802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 1: CH
233

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

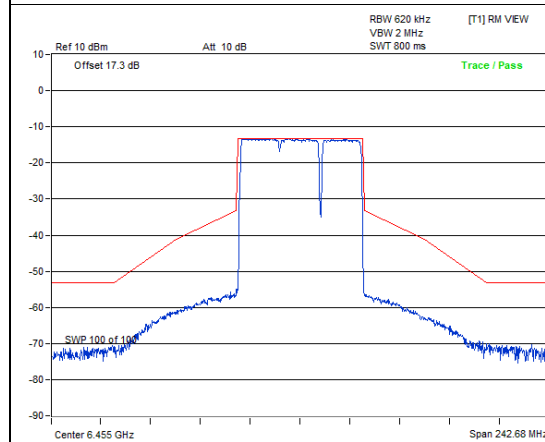
Spectrum Plot



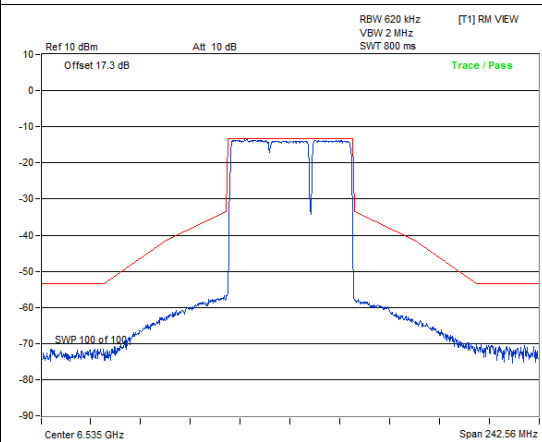
802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 0: CH
7



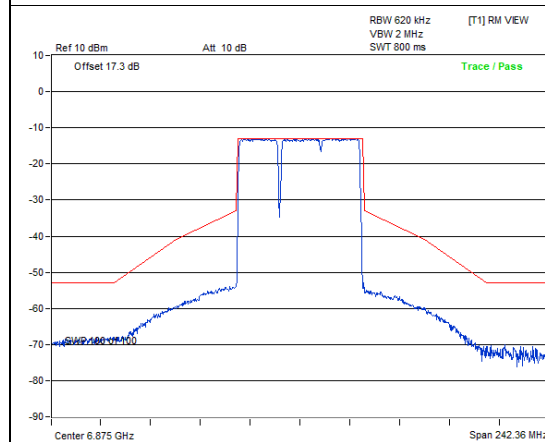
802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 0: CH
87



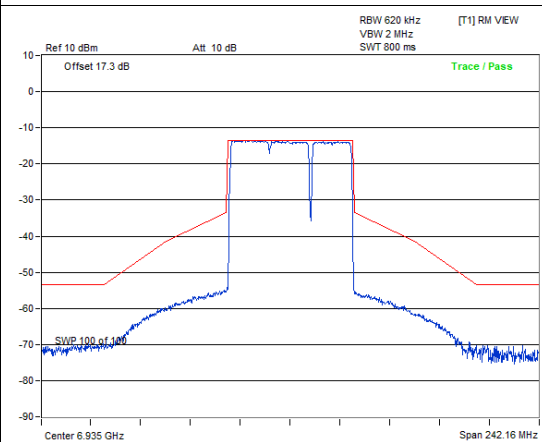
802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 0: CH
103



802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 0: CH
119

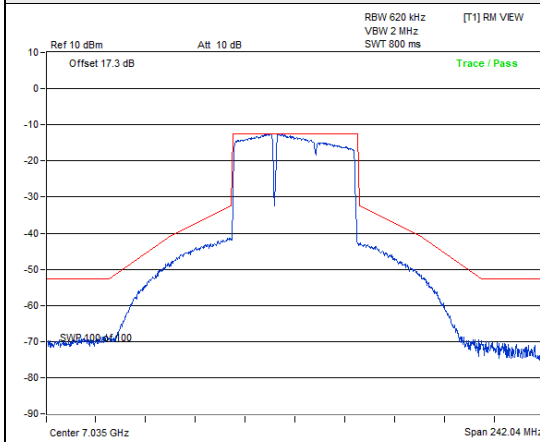


802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 0: CH
183

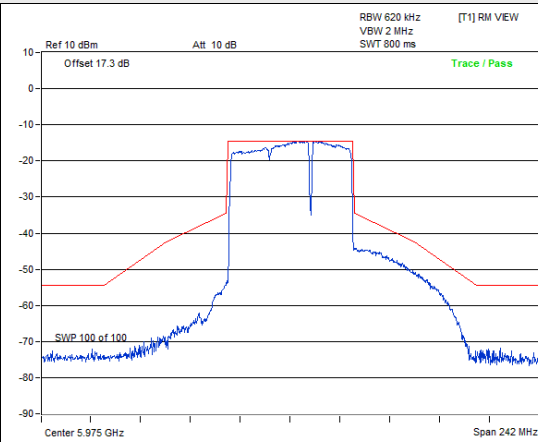


802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 0: CH
199

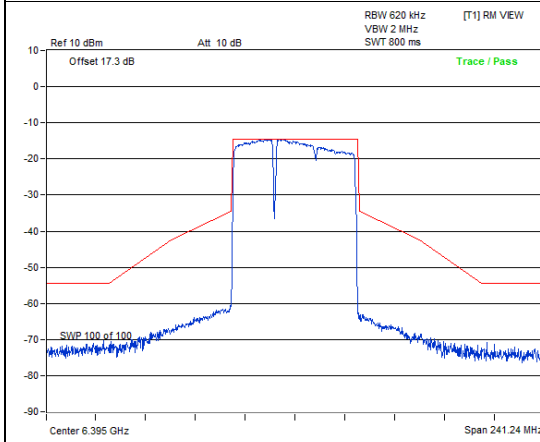
Spectrum Plot



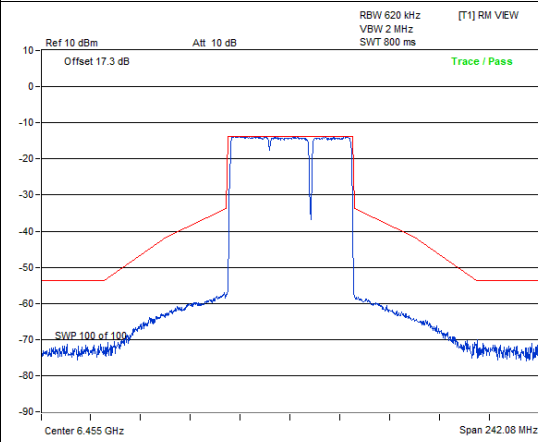
802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 0: CH
215



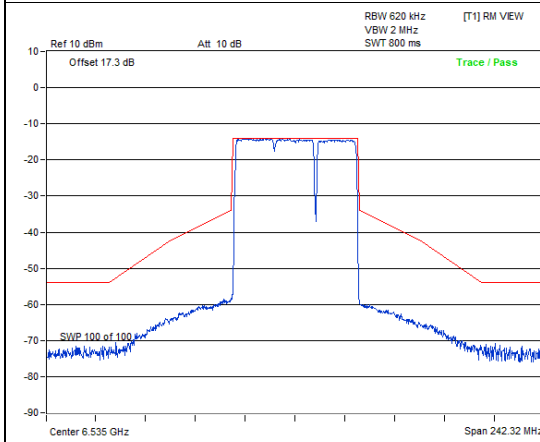
802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 1: CH
7



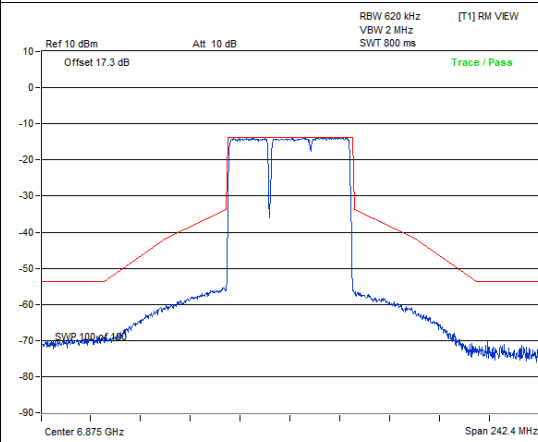
802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 1: CH
87



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

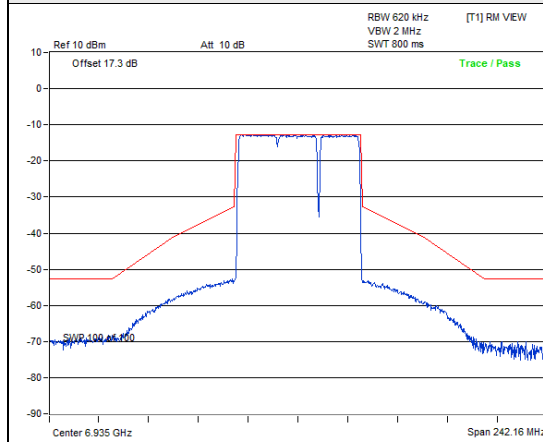


802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 1: CH
119

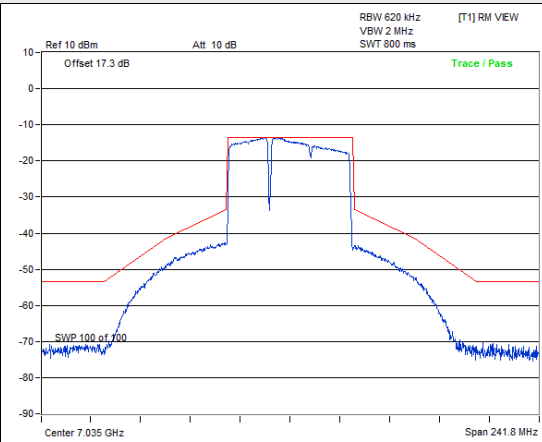


802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 1: CH
183

Spectrum Plot

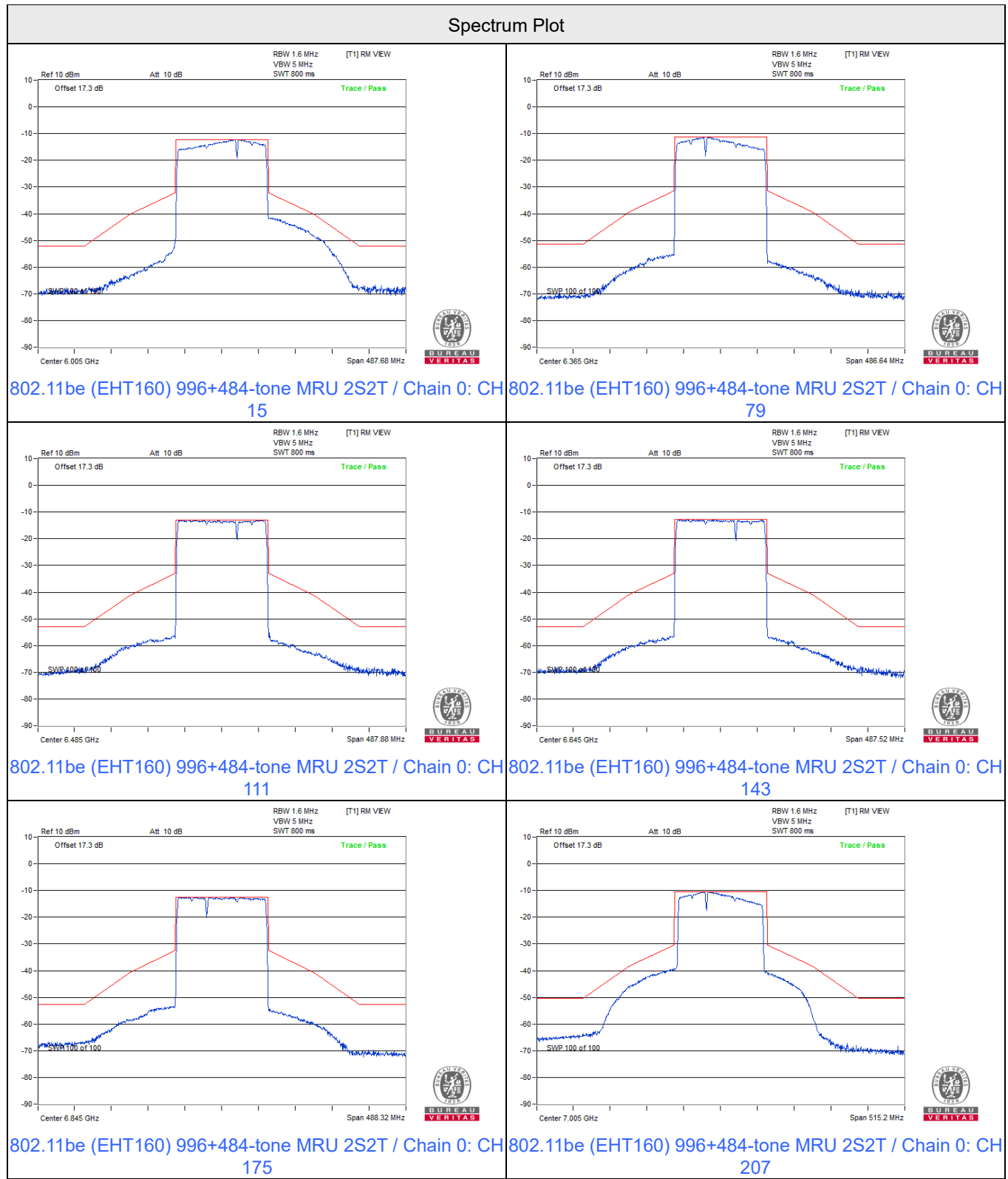


802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 1: CH
199

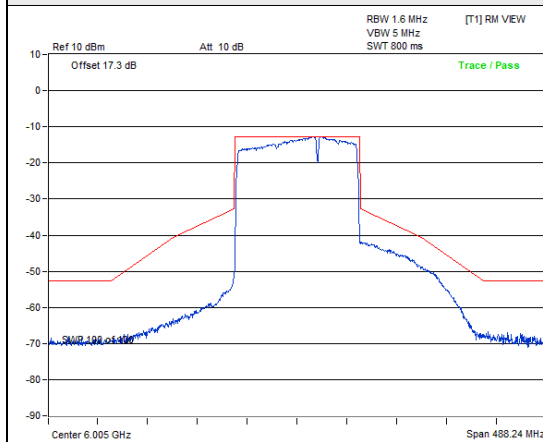


802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 1: CH
215

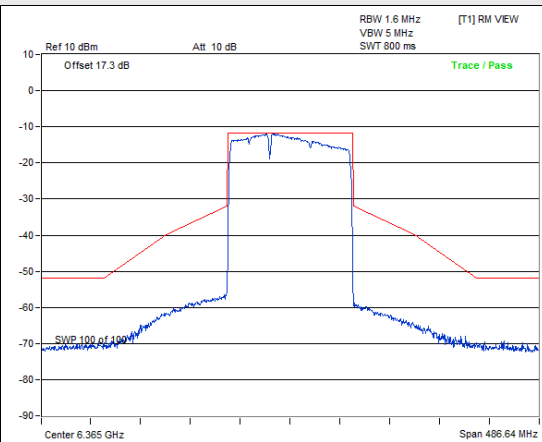
802.11be (EHT160) 996+484-tone MRU 2S2T



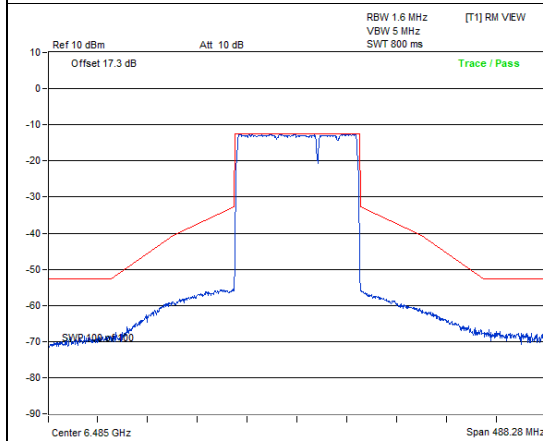
Spectrum Plot



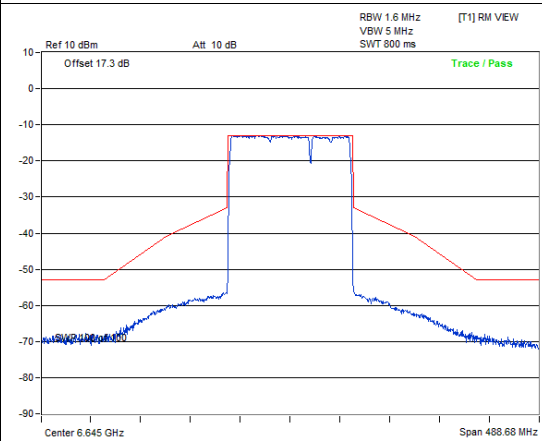
802.11be (EHT160) 996+484-tone MRU 2S2T / Chain 1: CH 15



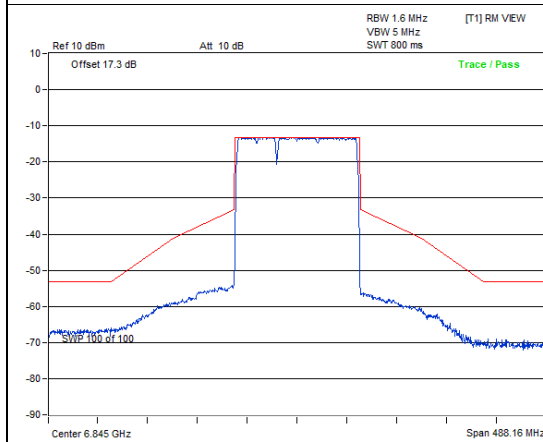
802.11be (EHT160) 996+484-tone MRU 2S2T / Chain 1: CH 79



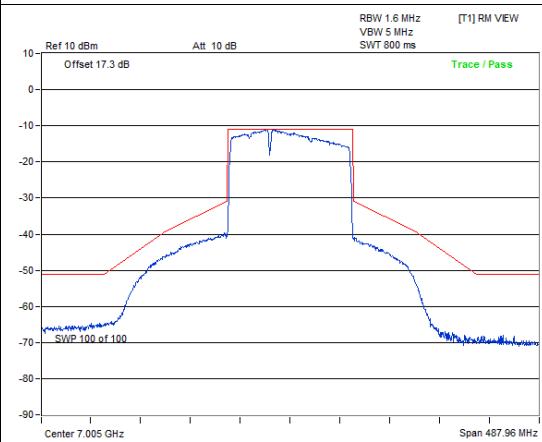
802.11be (EHT160) 996+484-tone MRU 2S2T / Chain 1: CH 111



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

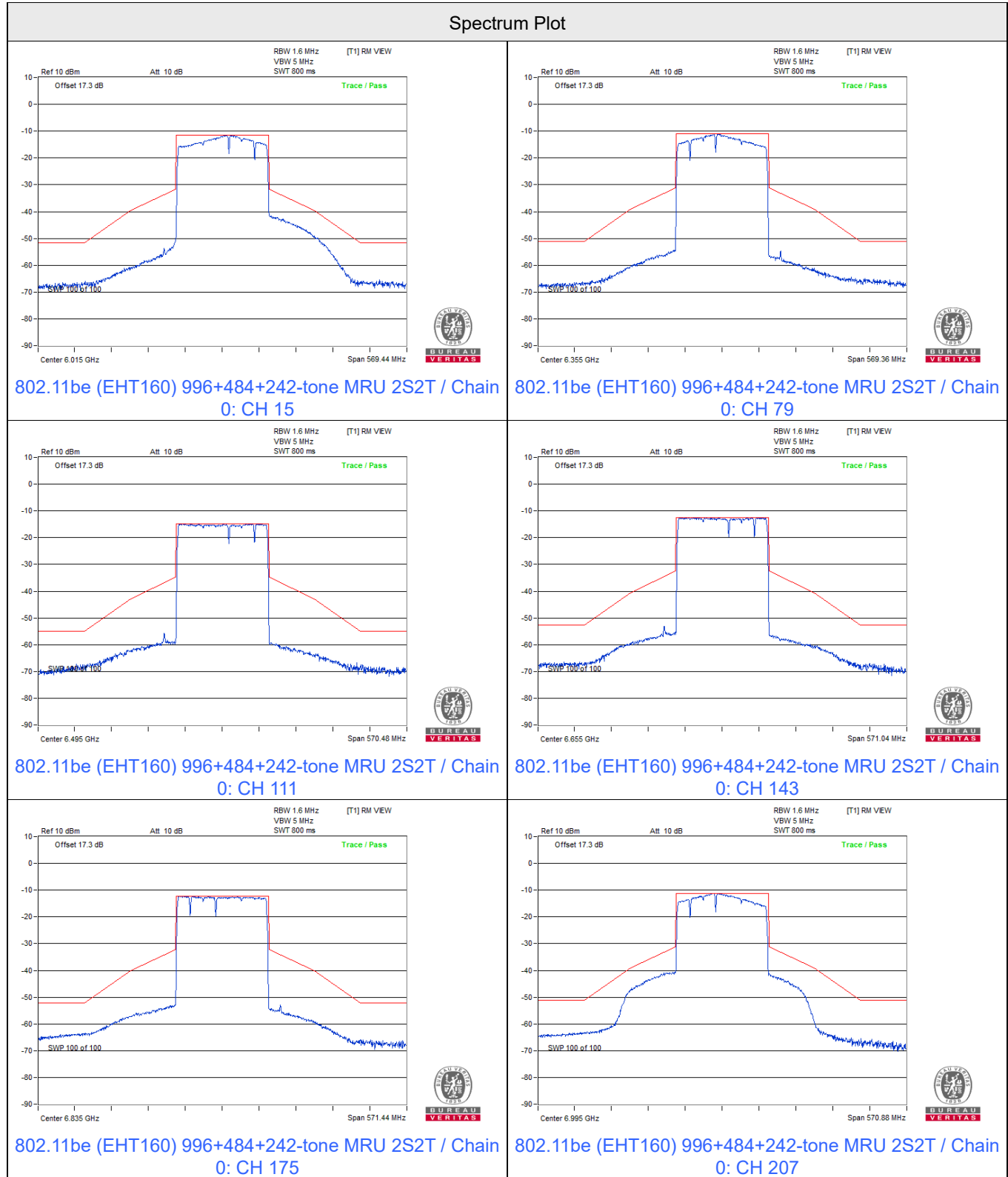


802.11be (EHT160) 996+484-tone MRU 2S2T / Chain 1: CH 175

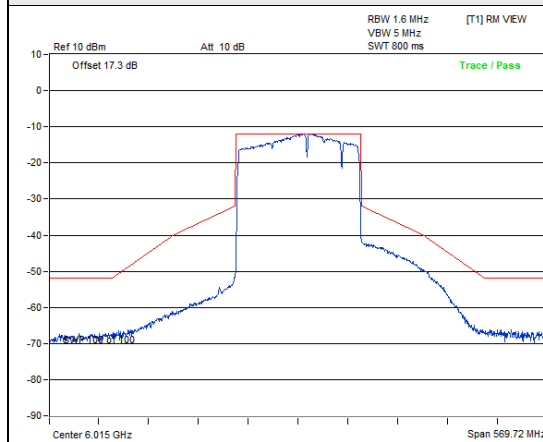


802.11be (EHT160) 996+484-tone MRU 2S2T / Chain 1: CH 207

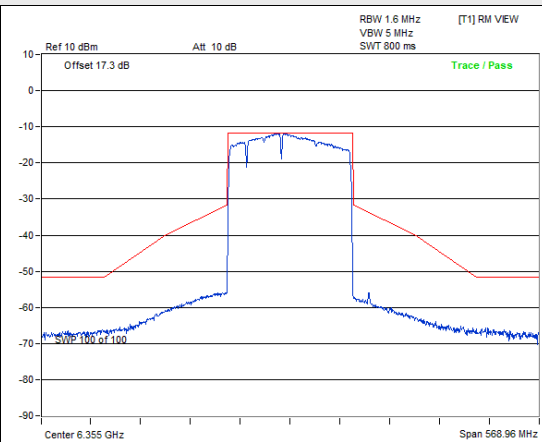
802.11be (EHT160) 996+484+242-tone MRU 2S2T



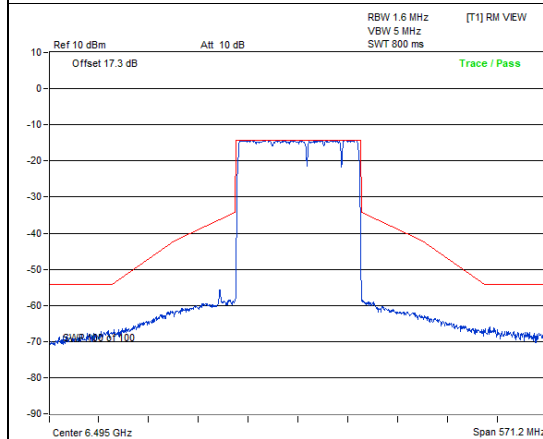
Spectrum Plot



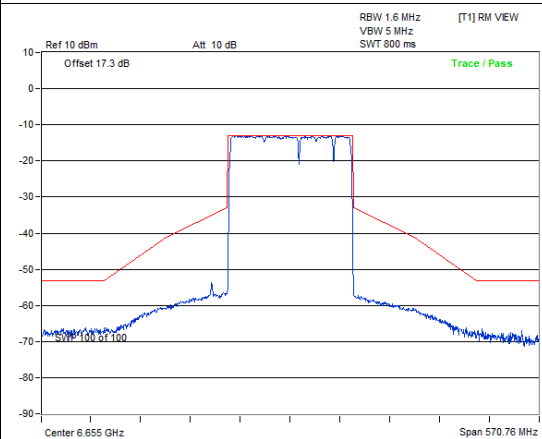
802.11be (EHT160) 996+484+242-tone MRU 2S2T / Chain
1: CH 15



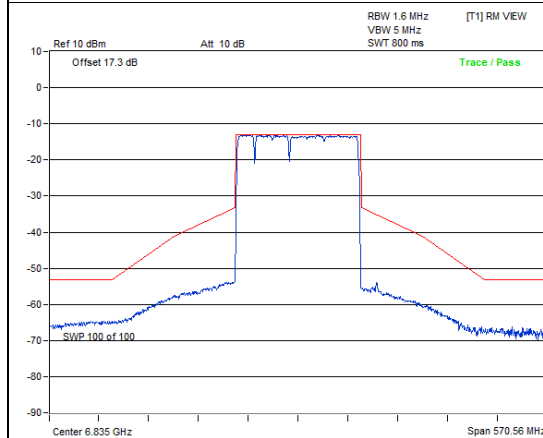
802.11be (EHT160) 996+484+242-tone MRU 2S2T / Chain
1: CH 79



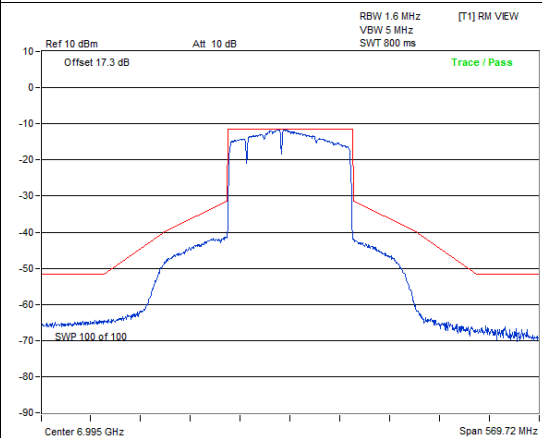
802.11be (EHT160) 996+484+242-tone MRU 2S2T / Chain
1: CH 111



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



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



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

7.5 Occupied Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60, 58% RH	Tested By:	Henry Hsu
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1Tx

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
2	5935	16.38
1	5955	16.38
45	6175	16.5
93	6415	16.38
97	6435	16.56
105	6475	16.5
113	6515	16.56
117	6535	16.5
149	6695	16.56
181	6855	16.56
185	6875	16.5
209	6995	16.56
233	7115	16.44

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
2	5935	18.72
1	5955	18.9
45	6175	19.02
93	6415	18.9
97	6435	19.02
105	6475	19.02
113	6515	19.02
117	6535	19.02
149	6695	19.02
181	6855	19.02
185	6875	18.96
209	6995	18.96
233	7115	18.84

802.11be (EHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
3	5965	37.8
43	6165	38.04
91	6405	37.92
99	6445	38.28
107	6485	38.28
115	6525	38.04
123	6565	38.16
155	6725	38.16
179	6845	38.04
187	6885	38.4
211	7005	38.16
227	7085	37.92

802.11be (EHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
7	5985	77.28
39	6145	77.52
87	6385	77.28
103	6465	77.76
119	6545	77.76
151	6705	77.52
183	6865	77.76
199	6945	78
215	7025	77.04

802.11be (EHT160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
15	6025	155.52
47	6185	156.96
79	6345	155.52
111	6505	157.92
143	6665	156.96
175	6825	156.48
207	6985	156

802.11be (EHT20) 26-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
2	5935	18.3
1	5955	18.12
93	6415	18.12
97	6435	18.24
113	6515	18.18
117	6535	18.24
185	6875	18.3
209	6995	18.24
233	7115	18.12

802.11be (EHT20) 52-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
2	5935	18.24
1	5955	18.12
93	6415	18
97	6435	18.12
113	6515	18.06
117	6535	18.18
185	6875	18.06
209	6995	18.12
233	7115	18.12

802.11be (EHT20) 106-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
2	5935	18.18
1	5955	18.18
93	6415	18.12
97	6435	18.18
113	6515	18.18
117	6535	18.06
185	6875	17.94
209	6995	18.12
233	7115	18.12

802.11be (EHT20) 52+26-tone MRU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
2	5935	16.98
1	5955	17.16
93	6415	17.16
97	6435	16.98
113	6515	16.56
117	6535	17.04
185	6875	17.16
209	6995	17.04
233	7115	17.1

802.11be (EHT20) 106+26-tone MRU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
2	5935	17.76
1	5955	17.4
93	6415	17.76
97	6435	17.7
113	6515	17.76
117	6535	17.7
185	6875	17.82
209	6995	17.7
233	7115	17.76

802.11be (EHT80) 484+242-tone MRU

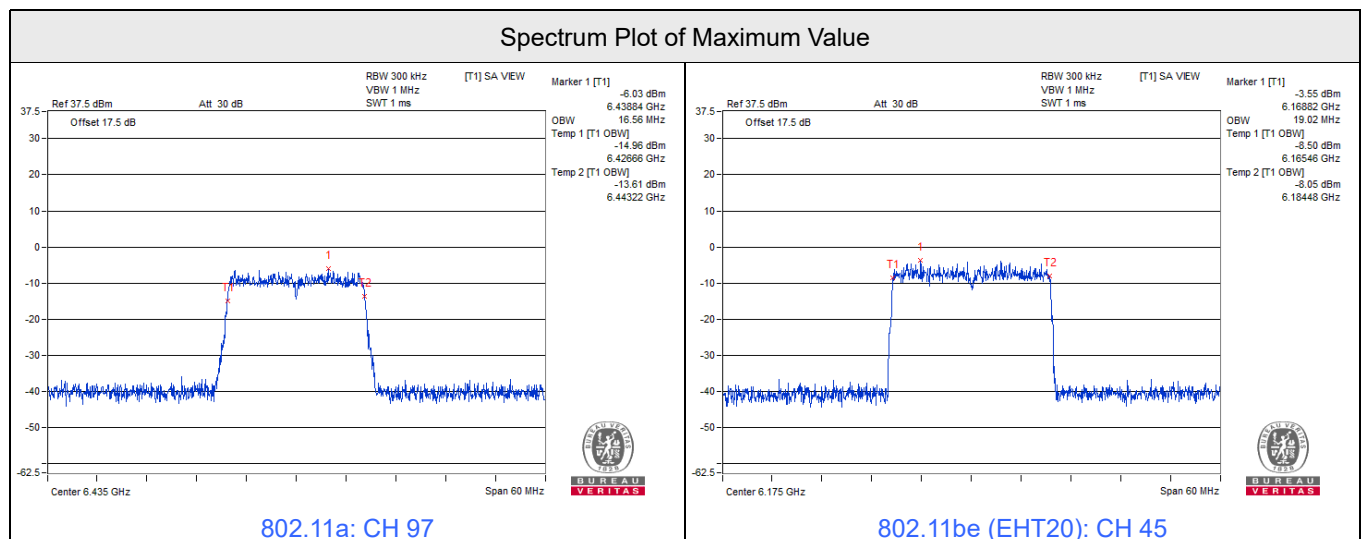
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
7	5985	58.08
87	6385	58.32
103	6465	58.8
119	6545	58.56
183	6865	58.32
199	6945	58.8
215	7025	58.08

802.11be (EHT160) 996+484-tone MRU

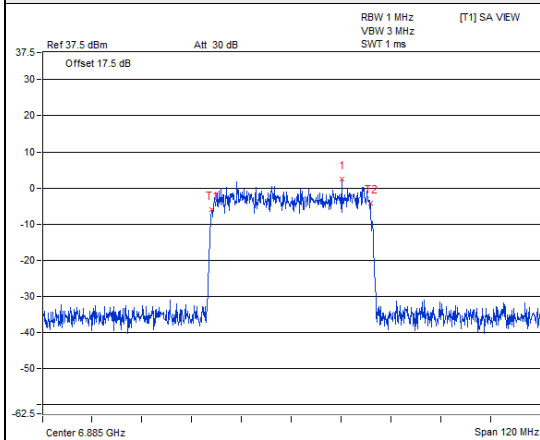
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
15	6025	117.6
79	6345	116.64
111	6505	118.08
143	6665	118.08
175	6825	118.08
207	6985	117.12

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

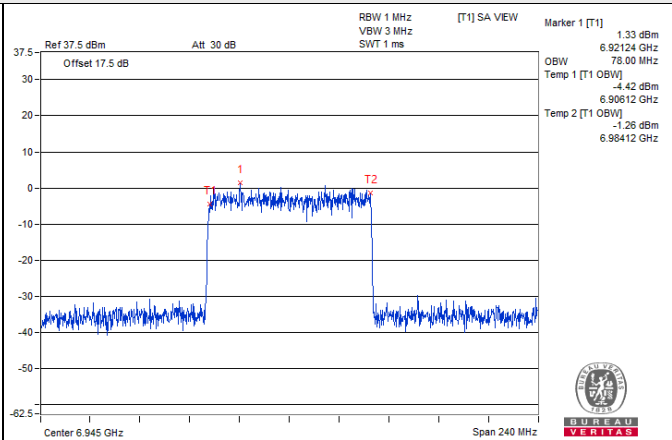
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
15	6025	137.28
79	6345	136.8
111	6505	137.76
143	6665	138.24
175	6825	138.24
207	6985	136.8



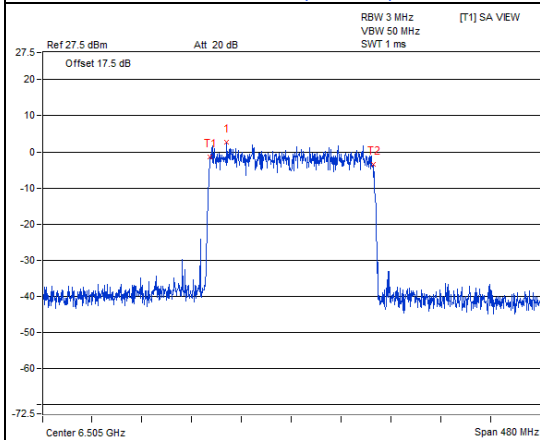
Spectrum Plot of Maximum Value



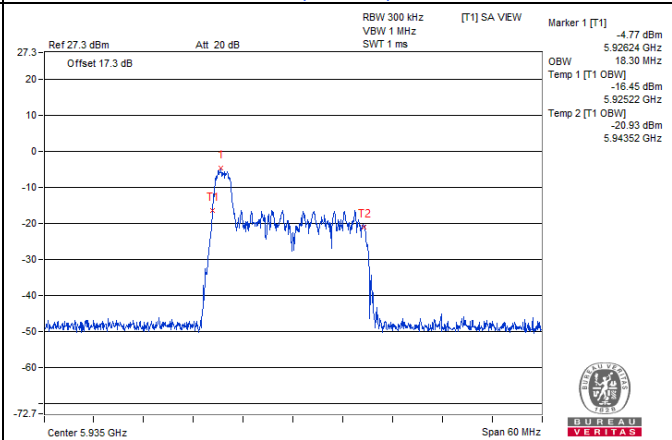
802.11be (EHT40): CH 187



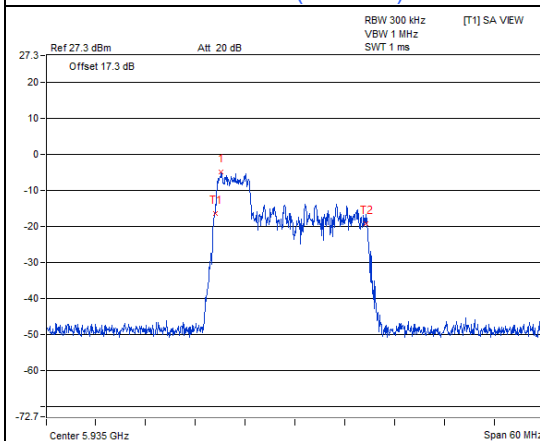
802.11be (EHT80): CH 199



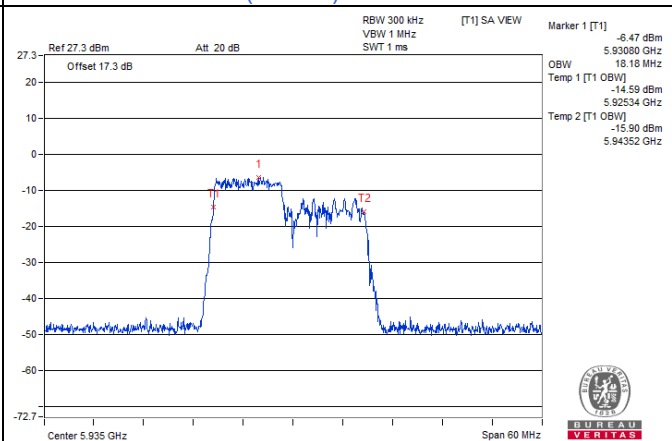
802.11be (EHT160): CH 111



802.11be (EHT20) 26-tone RU: CH 2

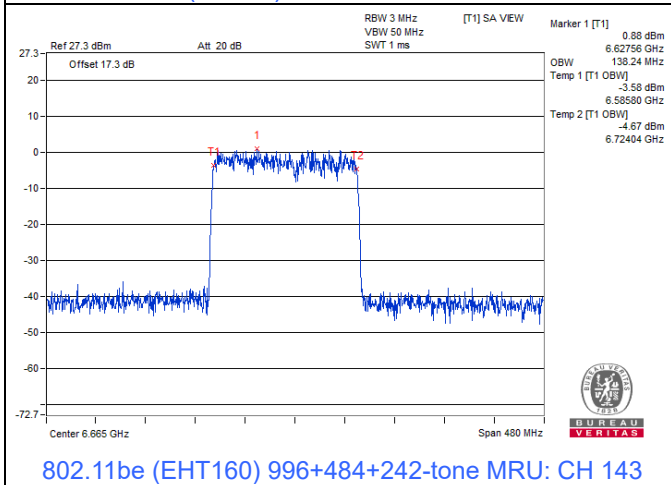
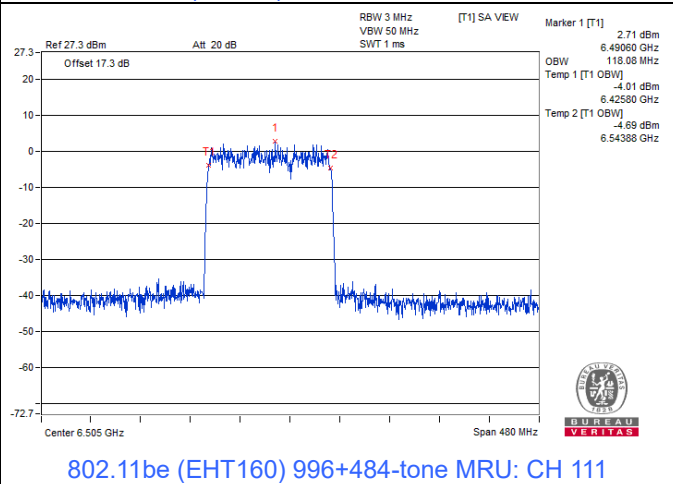
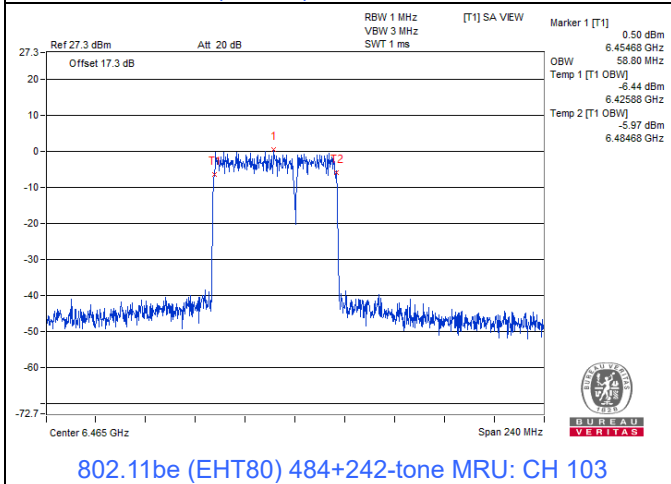
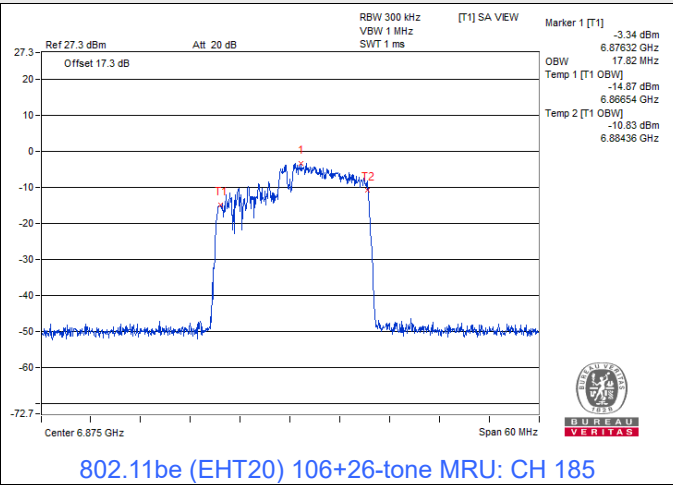
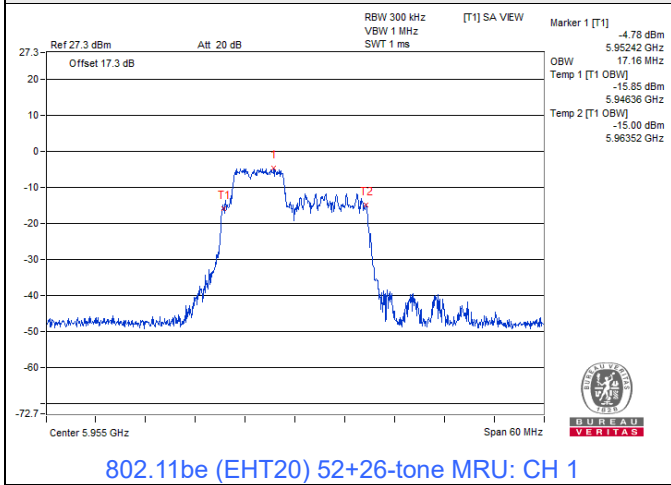


802.11be (EHT20) 52-tone RU: CH 2



802.11be (EHT20) 106-tone RU: CH 2

Spectrum Plot of Maximum Value



Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 58, 60% RH	Tested By:	Henry Hsu
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2Tx

802.11a 1S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
2	5935	16.50	16.50
1	5955	16.38	16.32
45	6175	16.38	16.32
93	6415	16.38	16.32
97	6435	16.32	16.26
105	6475	16.32	16.26
113	6515	16.26	16.32
117	6535	16.26	16.32
149	6695	16.26	16.38
181	6855	16.26	16.38
185	6875	16.26	16.26
209	6995	16.32	16.32
233	7115	16.32	16.38

802.11be (EHT20) 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
2	5935	18.78	18.78
1	5955	18.84	18.78
45	6175	18.96	18.96
93	6415	18.84	18.72
97	6435	19.02	18.96
105	6475	19.02	18.90
113	6515	19.02	18.90
117	6535	18.96	18.90
149	6695	19.02	18.96
181	6855	18.96	18.96
185	6875	18.96	18.90
209	6995	19.02	19.02
233	7115	18.78	18.78

802.11be (EHT40) 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
3	5965	37.68	37.68
43	6165	38.04	38.16
91	6405	37.68	37.68
99	6445	38.16	38.04
107	6485	38.28	38.04
115	6525	38.04	38.16
123	6565	37.92	38.16
155	6725	38.16	38.04
179	6845	38.16	38.04
187	6885	37.92	38.16
211	7005	38.04	38.04
227	7085	37.92	37.92

802.11be (EHT80) 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
7	5985	77.28	77.04
39	6145	77.52	77.76
87	6385	77.04	77.04
103	6465	77.76	77.52
119	6545	77.76	77.76
151	6705	77.52	77.76
183	6865	77.28	77.76
199	6945	77.52	77.52
215	7025	77.28	76.80

802.11be (EHT160) 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
15	6025	155.52	156.48
47	6185	157.44	157.44
79	6345	155.52	155.04
111	6505	157.44	157.44
143	6665	156.96	157.44
175	6825	157.44	156.96
207	6985	156.48	156.48

802.11be (EHT20) 26-tone RU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
2	5935	18.24	18.24
1	5955	18.36	18.24
93	6415	18.36	18.18
97	6435	18.18	18.30
113	6515	18.36	18.24
117	6535	18.24	18.30
185	6875	18.24	18.24
209	6995	17.94	18.24
233	7115	18.36	18.30

802.11be (EHT20) 52-tone RU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
2	5935	18.18	18.00
1	5955	18.24	18.12
93	6415	18.18	18.18
97	6435	18.24	18.18
113	6515	18.18	18.18
117	6535	18.18	18.12
185	6875	18.12	18.00
209	6995	18.12	18.00
233	7115	18.12	18.24

802.11be (EHT20) 106-tone RU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
2	5935	18.24	18.18
1	5955	18.24	18.12
93	6415	18.18	18.06
97	6435	18.18	18.06
113	6515	18.18	18.18
117	6535	18.18	18.18
185	6875	18.00	18.06
209	6995	18.00	18.12
233	7115	18.12	18.18

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

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
2	5935	16.92	17.16
1	5955	17.04	17.22
93	6415	17.04	16.68
97	6435	17.16	16.92
113	6515	17.16	17.04
117	6535	17.10	17.04
185	6875	17.10	17.10
209	6995	17.04	17.10
233	7115	16.50	16.98

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

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
2	5935	17.70	17.76
1	5955	17.70	17.64
93	6415	17.76	17.70
97	6435	17.88	17.82
113	6515	17.76	17.82
117	6535	17.76	17.58
185	6875	17.58	17.82
209	6995	17.82	17.88
233	7115	17.76	17.70

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

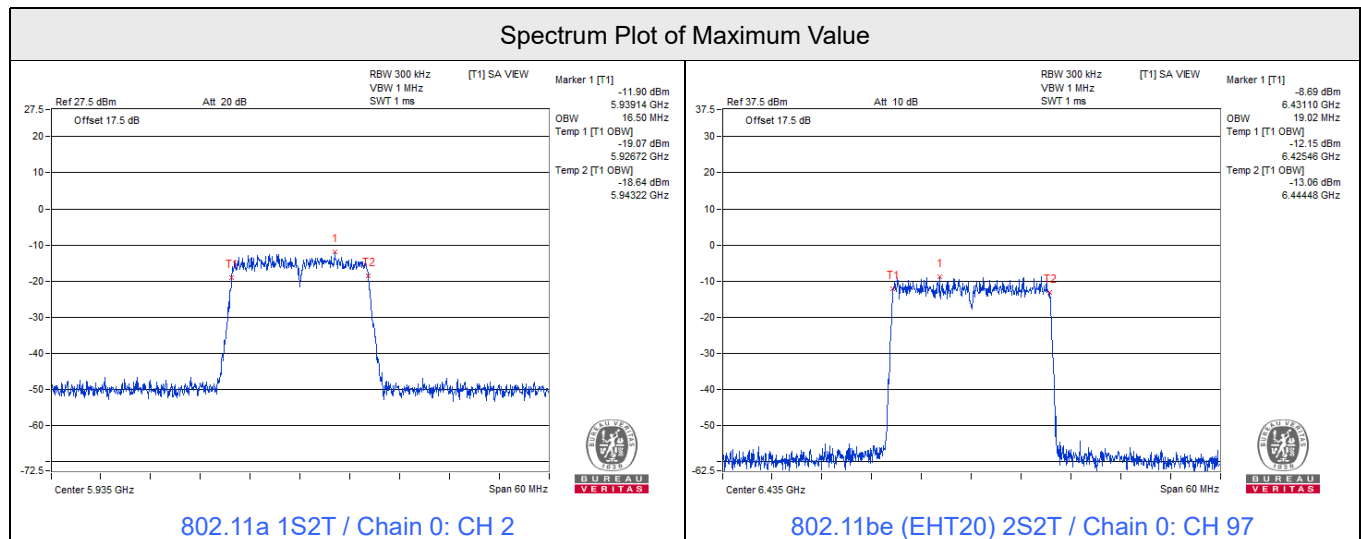
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
7	5985	58.08	58.08
87	6385	58.08	58.08
103	6465	58.32	58.56
119	6545	58.32	58.32
183	6865	58.80	58.56
199	6945	58.56	58.32
215	7025	58.32	58.08

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

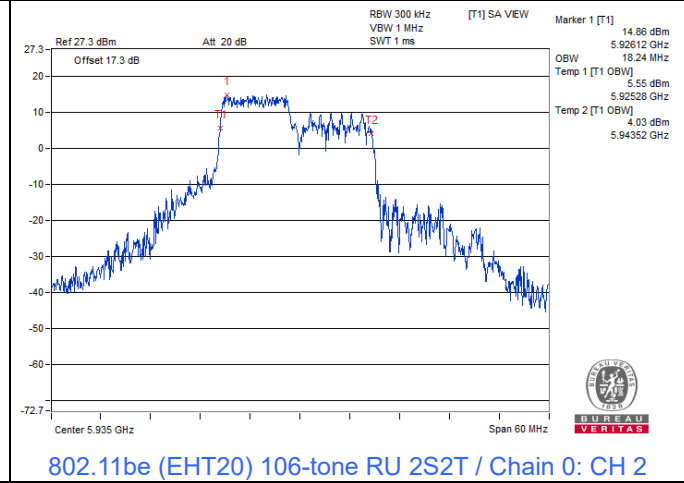
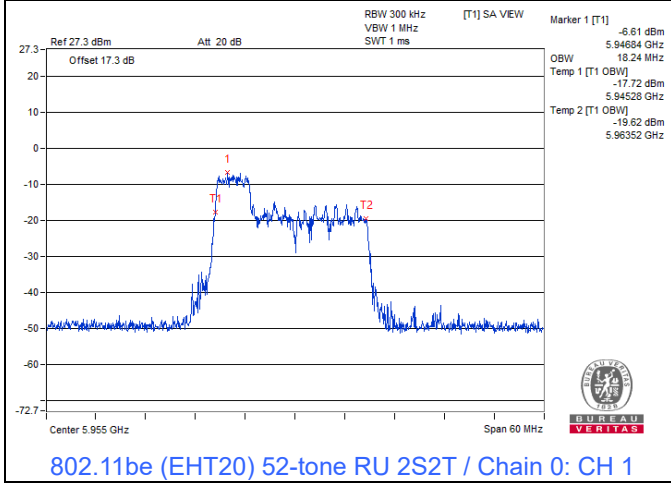
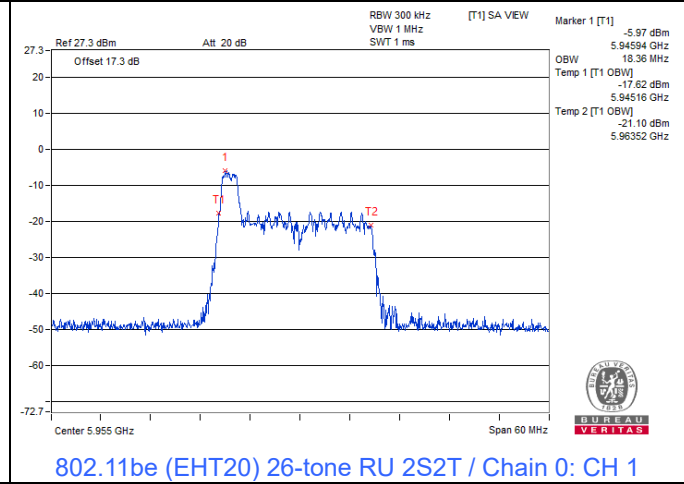
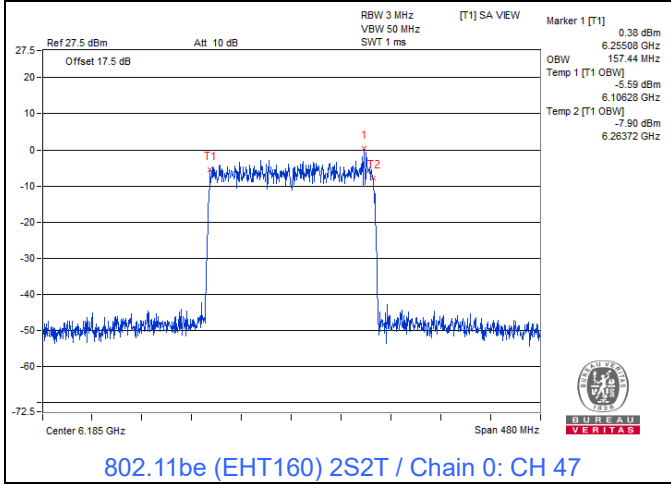
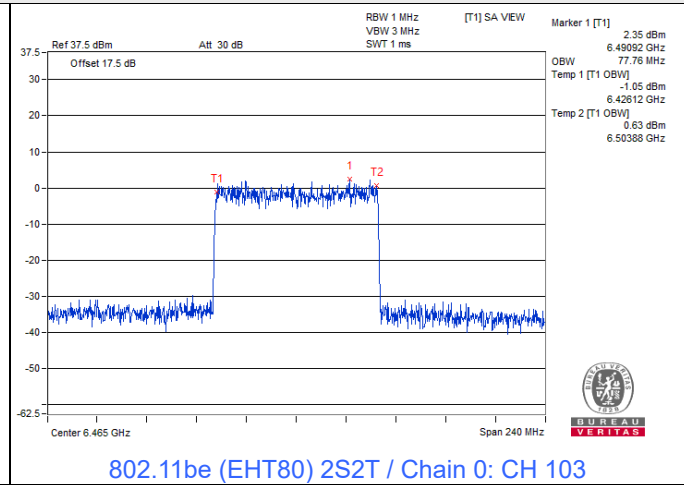
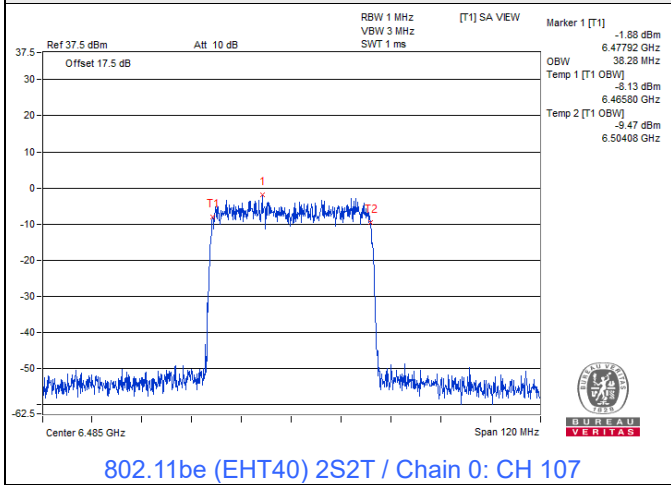
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
15	6025	118.08	118.08
79	6345	117.12	117.12
111	6505	118.08	117.60
143	6665	117.60	117.60
175	6825	117.60	117.60
207	6985	117.12	117.60

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

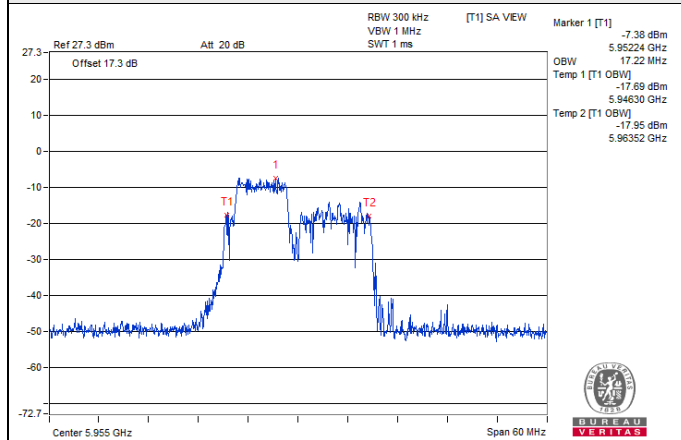
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
15	6025	136.80	137.76
79	6345	137.28	136.80
111	6505	139.20	137.76
143	6665	138.24	138.24
175	6825	138.24	138.24
207	6985	137.28	137.28



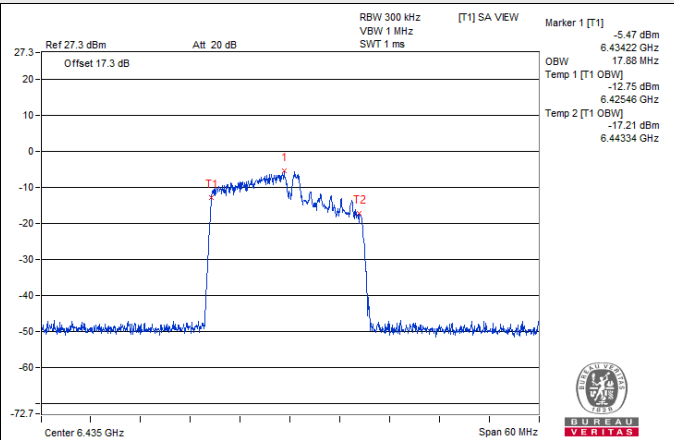
Spectrum Plot of Maximum Value



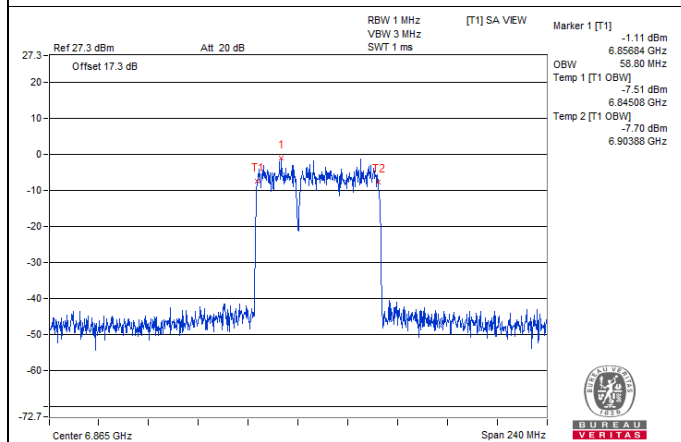
Spectrum Plot of Maximum Value



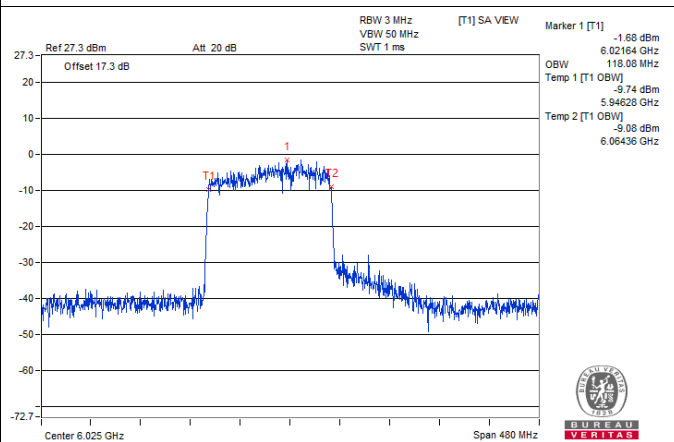
802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 1: CH 1



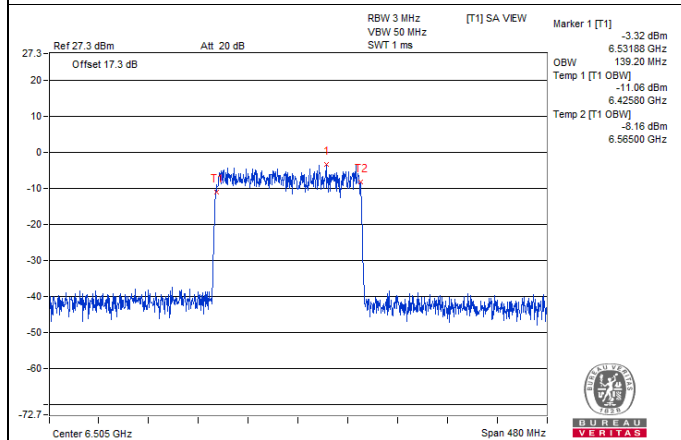
802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 0: CH 97



802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 0: CH 183



802.11be (EHT160) 996+484-tone MRU 2S2T / Chain 0: CH 15



802.11be (EHT160) 996+484+242-tone MRU 2S2T / Chain 0: CH 111

7.6 Contention-based Protocol

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Gary Cheng
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Companion Device Information			
Product	Brand	Model No.	Software/Firmware Version
2TX 11be (WiFi7) BW160+BT/BLE Combo Card	MediaTek	MT7928C14L	5.7.0.5978

For U-NII-5

Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11be	20	45	6175	6175	-82.17	-20	0	-62.17	-62	OFF
					-82.67	-20	0	-62.67	-62	Minimal
					-102	-20	0	-82	-62	ON
	160	47	6185	6110	-82.16	-20	0	-62.16	-62	OFF
					-82.66	-20	0	-62.66	-62	Minimal
					-102	-20	0	-82	-62	ON
				6185	-82.22	-20	0	-62.22	-62	OFF
					-82.72	-20	0	-62.72	-62	Minimal
					-102	-20	0	-82	-62	ON
				6260	-82.29	-20	0	-62.29	-62	OFF
					-82.79	-20	0	-62.79	-62	Minimal
					-102	-20	0	-82	-62	ON

Notes:

1. After investigation (consider antenna gain and path loss) , the one representative port (Chain 0) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.
4. This device does not use the channel puncturing and bandwidth reduction mechanisms for incumbent avoidance, but instead switches to other channels to perform its function.

Contention Based Protocol Detection Probability															
Operation Mode	Channel Bandwidth (MHz)	AWGN Signal Freq. (MHz)	#01	#02	#03	#04	#05	#06	#07	#08	#09	#10	Detection Probability	Detection Limit	Test Result
802.11be	20	6175	v	v	v	v	v	v	x	v	v	v	90%	90%	Pass
	160	6110	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6185	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6260	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass