

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBARR-WTW-P23110067L
FCC ID: RAS-MT7925B14L
Product: 2TX 11be (WiFi7) BW160 + BT/BLE Combo Card
Brand: MediaTek
Model No.: MT7925B14L
Received Date: 2025/4/7
Test Date: 2025/5/2 ~ 2025/7/9
Issued Date: 2025/7/17
Applicant: MediaTek Inc.
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FCC Registration / 723255 / TW2022
Designation Number:

Approved by: _____, **Date:** 2025/7/17
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Prepared by: Vito Lung / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBARR-WTW-P23110067L	Original release.	2025/7/17

1 Certificate

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

Brand: MediaTek

Test Model: MT7925B14L

Sample Status: Engineering sample

Applicant: MediaTek Inc.

Test Date: 2025/5/2 ~ 2025/7/9

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

Measurement ANSI C63.10-2020

procedure: 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 -17.98 dB at 0.15391 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -1.3 dB at 199.57 MHz
15.407(b)(6) 15.407(b)(10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -4.99 dB at 8033.33 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)	Transmit power control (TPC) mechanism	Pass	Meet the requirement of limit.
15.203	Antenna Requirement	Pass	Antenna connector is i-pex(MHF) 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	5.5 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.1 dB
	18 GHz ~ 40 GHz	5.3 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	2TX 11be (WiFi7) BW160 + BT/BLE Combo Card
Brand	MediaTek
Test Model	MT7925B14L
Status of EUT	Engineering sample
Power Supply Rating	3.3 Vdc from host equipment
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM for OFDMA in 11ax mode 4096QAM for OFDMA in 11be mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: up to 54 Mbps 802.11ax: up to 2401.9 Mbps 802.11be: up to 2882.4 Mbps
Operating Frequency	5.955 GHz ~ 6.415 GHz 6.435 GHz ~ 6.525 GHz 6.535 GHz ~ 6.865 GHz 6.875 GHz ~ 7.115 GHz
Number of Channel	802.11a, 802.11ax (HE20), 802.11be (EHT20): 59 802.11ax (HE40), 802.11be (EHT40): 29 802.11ax (HE80), 802.11be (EHT80): 14 802.11ax (HE160), 802.11be (EHT160): 7
Resource Unit (RU)	Single RU: 26-tone, 52-tone, 106-tone, 242-tone, 484-tone, 996-tone, 2 * 996-tone Multi-RU (Small RU): 52-tone + 26-tone, 106-tone + 26-tone Multi-RU (Large RU): 484-tone + 242-tone, 996-tone + 484-tone, 996-tone + 484-tone + 242-tone
Output Power	5.955 GHz ~ 6.415 GHz: EIRP: 25.003 mW (13.98 dBm) 6.435 GHz ~ 6.525 GHz: EIRP: 24.214 mW (13.84 dBm) 6.535 GHz ~ 6.865 GHz: EIRP: 24.773 mW (13.94 dBm) 6.875 GHz ~ 7.115 GHz: EIRP: 23.66 mW (13.74 dBm)
Equipment Class	6VL: 15E 6 GHz Very low power devices

Note:

1. This is a supplementary report of FCC ID: RAS-MT7925B14L. The differences between them are as below information:
 ◆ Add 6VL equipment class.
2. The equipment supports both M.2 and LGA SKUs. For this test, the M.2 SKU was selected as representative type for the test.
3. According to above condition, all test items need to be performed. And all data was verified to meet the requirements.
4. There are Bluetooth and WLAN (2.4 GHz & 5 GHz & 5.9 GHz & 6 GHz) technology used for the EUT.
5. Simultaneously transmission combination.

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

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

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

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

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

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna Set	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connector Type	Cable Length (mm)
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	PSA	RFMTA421230IMMB701	-13.92 -13.91 -13.91 -14.46	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	300
	Chain1	PSA	RFMTA421230IMMB701	-13.92 -13.91 -13.91 -14.46	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	300
4	Chain0	HongBo	260-25096	3.11 4.88 4.91 4.9 4.9 4.87 4.73 4.29 4.58 4.09	2.4~2.4835 5.15~5.250 5.25~5.35 5.47~5.725 5.725~5.85 5.85~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Monopole	i-pex(MHF)	300
	Chain1	HongBo	260-25096	3.11 4.88 4.91 4.9 4.9 4.87 4.73 4.29 4.58 4.09	2.4~2.4835 5.15~5.250 5.25~5.35 5.47~5.725 5.725~5.85 5.85~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Monopole	i-pex(MHF)	300

Note: Max. gain was selected for the final test.

* 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		CDD Mode	Beamforming Mode	
802.11a	SIMO	1TX (Diversity)	2RX	Not Support	Not Support
802.11ax (HE20)		1TX (Diversity)	2RX	Not Support	Not Support
802.11ax (HE40)		1TX (Diversity)	2RX	Not Support	Not Support
802.11ax (HE80)		1TX (Diversity)	2RX	Not Support	Not Support
802.11ax (HE160)		1TX (Diversity)	2RX	Not Support	Not Support
802.11be (EHT20)		1TX (Diversity)	2RX	Not Support	Not Support
802.11be (EHT40)		1TX (Diversity)	2RX	Not Support	Not Support
802.11be (EHT80)		1TX (Diversity)	2RX	Not Support	Not Support
802.11be (EHT160)		1TX (Diversity)	2RX	Not Support	Not Support
802.11ax (RU26/52/106/242/484/996/2*996)		1TX (Diversity)	2RX	Not Support	Not Support
802.11be (RU26/52/106/242/484/996/2*996 MRU52+26/106+26/ 484+242/996+484/996+484+242)		1TX (Diversity)	2RX	Not Support	Not Support
802.11a	MIMO	2TX	2RX	Support	Not Support
802.11ax (HE20)		2TX	2RX	Support NSS2	Not Support
802.11ax (HE40)		2TX	2RX	Support NSS2	Not Support
802.11ax (HE80)		2TX	2RX	Support NSS2	Not Support
802.11ax (HE160)		2TX	2RX	Support NSS2	Not Support
802.11be (EHT20)		2TX	2RX	Support NSS2	Not Support
802.11be (EHT40)		2TX	2RX	Support NSS2	Not Support
802.11be (EHT80)		2TX	2RX	Support NSS2	Not Support
802.11be (EHT160)		2TX	2RX	Support NSS2	Not Support
802.11ax (RU26/52/106/242/484/996/2*996)		2TX	2RX	Support NSS2	Not Support
802.11be (RU26/52/106/242/484/996/2*996 MRU52+26/106+26/ 484+242/996+484/996+484+242)		2TX	2RX	Support NSS2	Not Support

Note:

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

3.3 Channel List

U-NII-5:

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

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

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

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

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

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

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

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

U-NII-6:

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.

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. For 1TX diversity configuration, transmit chain0 and chain 1 have been evaluated, the chain 0 was the worst case and chosen for representative test. 2. The worst-case Partial RU modes across all supported bandwidth modes has been determined via pre-scan. 3. 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).
Worst Case:	1. For 1Tx diversity configuration the worst chain is: Chain 0 2. The worst case occurs in 20 MHz bandwidth (RU 26/52/106).

Following channel(s) was (were) selected for the final test as listed below:

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

Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Maximum RF Output Power	A	802.11be (EHT80)	VLP	1S1T / 2S2T	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0	-
		802.11be (EHT160)		1S1T / 2S2T	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	-
		802.11ax (HE20) 26- tone RU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	0, 8, 0, 8, 0, 8, 0, 8
		802.11ax (HE20) 52- tone RU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	37, 40, 37, 40, 37, 40, 37, 40
		802.11ax (HE20) 106- tone RU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	53, 54, 53, 54, 53, 54, 53, 54
		802.11be (EHT20) 26- tone RU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	0, 8, 0, 8, 0, 8, 0, 8
		802.11be (EHT20) 52- tone RU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	37, 40, 37, 40, 37, 40, 37, 40
		802.11be (EHT20) 106- tone RU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	53, 54, 53, 54, 53, 54, 53, 54
		802.11be (EHT20) 52+26-tone MRU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	70, 72, 70, 72, 70, 72, 70, 72
		802.11be (EHT20) 106+26-tone MRU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	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	Category	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Maximum Power Spectral Density	A	802.11a	VLP	1T / 2T	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	-
		802.11be (EHT20)		1S1T / 2S2T	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	-
		802.11be (EHT40)		1S1T / 2S2T	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	-
		802.11be (EHT80)		1S1T / 2S2T	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0	-
		802.11be (EHT160)		1S1T / 2S2T	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	-
		802.11be (EHT20) 26- tone RU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	0, 8, 0, 8, 0, 8, 0, 8
		802.11be (EHT20) 52- tone RU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	37, 40, 37, 40, 37, 40, 37, 40
		802.11be (EHT20) 106- tone RU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	53, 54, 53, 54, 53, 54, 53, 54
		802.11be (EHT20) 52+26-tone MRU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	70, 72, 70, 72, 70, 72, 70, 72
		802.11be (EHT20) 106+26-tone MRU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	82, 83, 82, 83, 82, 83, 82, 83

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

Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Emission Bandwidth	A	802.11be (EHT20) 52+26-tone MRU	VLP	1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	70, 72, 70, 72, 70, 72, 70, 72
		802.11be (EHT20) 106+26-tone MRU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	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	VLP	1T / 2T	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	-
		802.11be (EHT20)		1S1T / 2S2T	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	-
		802.11be (EHT40)		1S1T / 2S2T	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	-
		802.11be (EHT80)		1S1T / 2S2T	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0	-
		802.11be (EHT160)		1S1T / 2S2T	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	-
		802.11be (EHT20) 26- tone RU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	0, 8, 0, 8, 0, 8, 0, 8

Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
In-Band Emission Mask	A	802.11be (EHT20) 52- tone RU	VLP	1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	37, 40, 37, 40, 37, 40, 37, 40
		802.11be (EHT20) 106- tone RU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	53, 54, 53, 54, 53, 54, 53, 54
		802.11be (EHT20) 52+26-tone MRU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	70, 72, 70, 72, 70, 72, 70, 72
		802.11be (EHT20) 106+26-tone MRU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	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	VLP	1T / 2T	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	-
		802.11be (EHT20)		1S1T / 2S2T	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	-
		802.11be (EHT40)		1S1T / 2S2T	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	-
		802.11be (EHT80)		1S1T / 2S2T	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0	-

Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Occupied Bandwidth	A	802.11be (EHT160)	VLP	1S1T / 2S2T	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	-
		802.11be (EHT20) 26- tone RU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	0, 8, 0, 8, 0, 8, 0, 8
		802.11be (EHT20) 52- tone RU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	37, 40, 37, 40, 37, 40, 37, 40
		802.11be (EHT20) 106- tone RU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	53, 54, 53, 54, 53, 54, 53, 54
		802.11be (EHT20) 52+26-tone MRU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	70, 72, 70, 72, 70, 72, 70, 72
		802.11be (EHT20) 106+26-tone MRU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	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
Contention-based Protocol	A	802.11be (EHT20)	VLP	2T	37, 101, 133, 197	BPSK	MCS0	-
		802.11be (EHT160)			47, 111, 143, 207	BPSK	MCS0	-
AC Power Conducted Emissions	C	802.11be (EHT160)	VLP	1S1T	175	BPSK	MCS0	-
				2S2T	79	BPSK	MCS0	-

Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Unwanted Emissions below 1 GHz	A, B	802.11be (EHT160)	VLP	1S1T	175	BPSK	MCS0	-
				2S2T	79	BPSK	MCS0	-
Unwanted Emissions above 1 GHz	A, B	802.11a	VLP	1T / 2T	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	-
		802.11be (EHT20)		1S1T / 2S2T	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	-
		802.11be (EHT40)		1S1T / 2S2T	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	-
		802.11be (EHT80)		1S1T / 2S2T	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0	-
		802.11be (EHT160)		1S1T / 2S2T	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	-
		802.11be (EHT20) 26- tone RU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	0, 8, 0, 8, 0, 8, 0, 8
		802.11be (EHT20) 52- tone RU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	37, 40, 37, 40, 37, 40, 37, 40
		802.11be (EHT20) 106- tone RU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	53, 54, 53, 54, 53, 54, 53, 54
		802.11be (EHT20) 52+26-tone MRU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	70, 72, 70, 72, 70, 72, 70, 72
		802.11be (EHT20) 106+26-tone MRU		1S1T / 2S2T	1, 93, 97, 113, 117, 181, 209, 233	BPSK	MCS0	82, 83, 82, 83, 82, 83, 82, 83

Test Item	EUT Configure Mode	Mode	Category	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Unwanted Emissions above 1 GHz	A, B	802.11be (EHT80) 484+242-tone MRU	VLP	1S1T / 2S2T	7, 87, 103, 119, 183, 199, 215	BPSK	MCS0	93, 90, 93, 93, 90, 93, 90
		1S1T / 2S2T		15, 79, 111, 143, 175, 207	BPSK	MCS0	95-1, 94-0, 95-1, 95-1, 94-0, 94-0	
		1S1T / 2S2T		15, 79, 111, 143, 175, 207	BPSK	MCS0	99-1, 96-0, 99-1, 99-1, 96-0, 96-0	
Transmit power control (TPC) mechanism	A	802.11be (EHT160)	VLP	2T	47, 111	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. (PIFA Antenna Set 2)						
Note: Channel puncturing mechanism is not supported.								

3.5 Duty Cycle of Test Signal

1TX:

802.11a: Duty cycle = 2.006 ms / 2.094 ms x 100% = 95.8%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.19 \text{ dB}$

1S1T:

802.11ax (HE20):

Duty cycle = 3.937 ms / 4.025 ms x 100% = 97.8%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.10 \text{ dB}$

802.11ax (HE40):

Duty cycle = 3.926 ms / 4.013 ms x 100% = 97.8%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.10 \text{ dB}$

802.11ax (HE80):

Duty cycle = 1.925 ms / 2.036 ms x 100% = 94.5%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.24 \text{ dB}$

802.11ax (HE160):

Duty cycle = 1.76 ms / 1.826 ms x 100% = 96.4%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.16 \text{ dB}$

802.11be (EHT20):

Duty cycle = 4.64 ms / 4.7 ms x 100% = 98.7%

802.11be (EHT40):

Duty cycle = 4.63 ms / 4.715 ms x 100% = 98.2%

802.11be (EHT80):

Duty cycle = 2.265 ms / 2.337 ms x 100% = 96.9%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.14 \text{ dB}$

802.11be (EHT160):

Duty cycle = 2.075 ms / 2.14 ms x 100% = 97.0%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.13 \text{ dB}$

802.11ax (HE20) 26-tone RU:

Duty cycle = 1.606 ms / 1.717 ms x 100% = 93.5%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.29 \text{ dB}$

802.11ax (HE20) 52-tone RU:

Duty cycle = 1.604 ms / 1.715 ms x 100% = 93.5%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.29 \text{ dB}$

802.11ax (HE20) 106-tone RU:

Duty cycle = 1.607 ms / 1.717 ms x 100% = 93.6%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.29 \text{ dB}$

802.11be (EHT20) 26-tone RU:

Duty cycle = 1.604 ms / 1.667 ms x 100% = 96.2%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.17 \text{ dB}$

802.11be (EHT20) 52-tone RU:

Duty cycle = 1.515 ms / 1.593 ms x 100% = 95.1%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.22 \text{ dB}$

802.11be (EHT20) 106-tone RU:

Duty cycle = 1.393 ms / 1.449 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 = 1.495 ms / 1.568 ms x 100% = 95.3%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.21 \text{ dB}$

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

Duty cycle = 1.662 ms / 1.735 ms x 100% = 95.8%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.19 \text{ dB}$

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

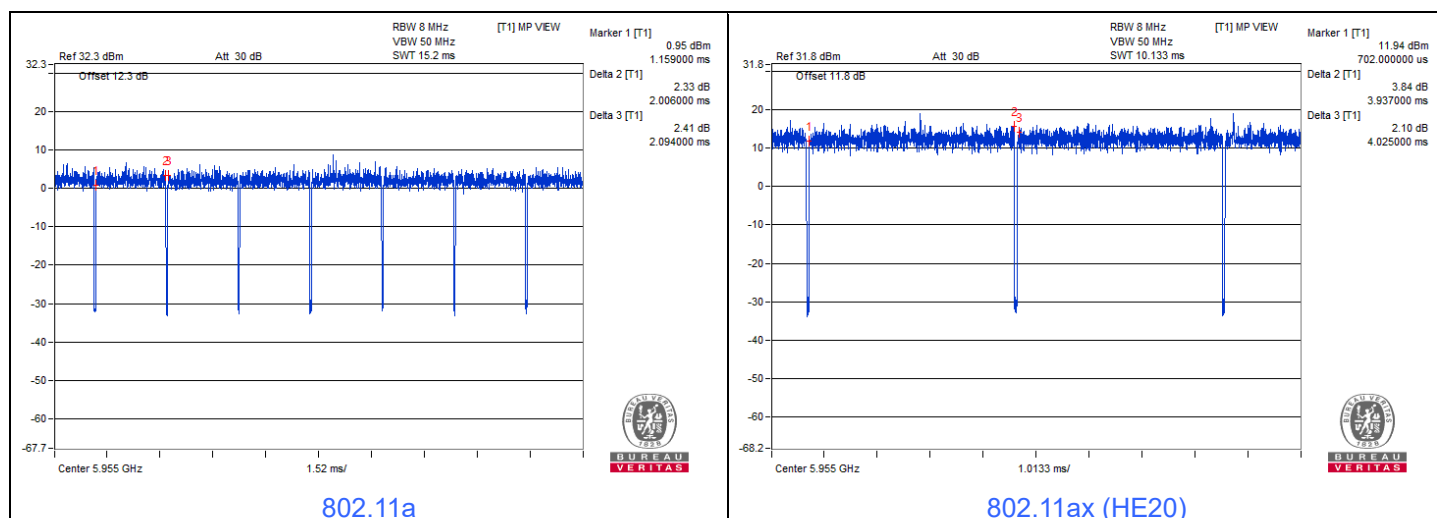
Duty cycle = 1.191 ms / 1.252 ms x 100% = 95.1%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.22 \text{ dB}$

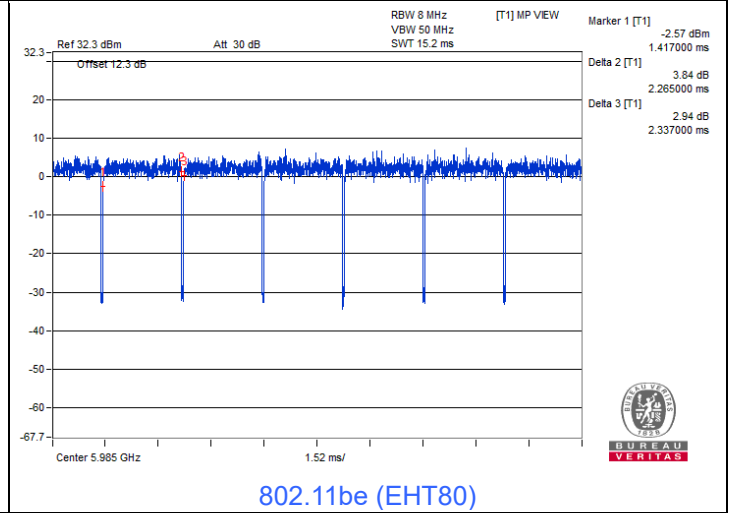
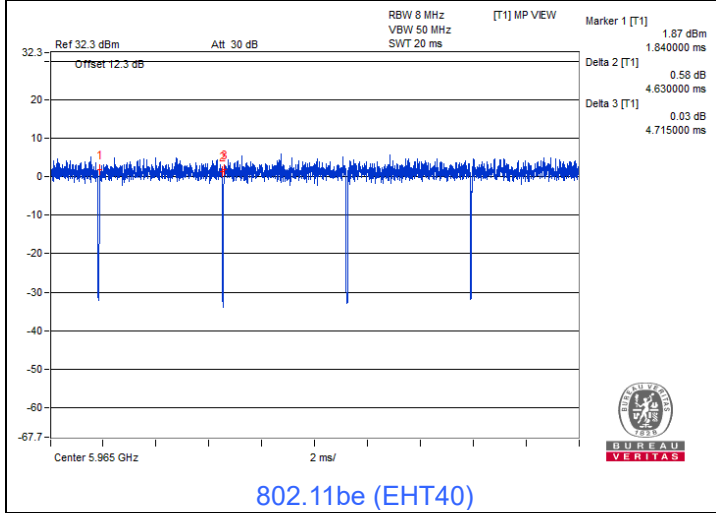
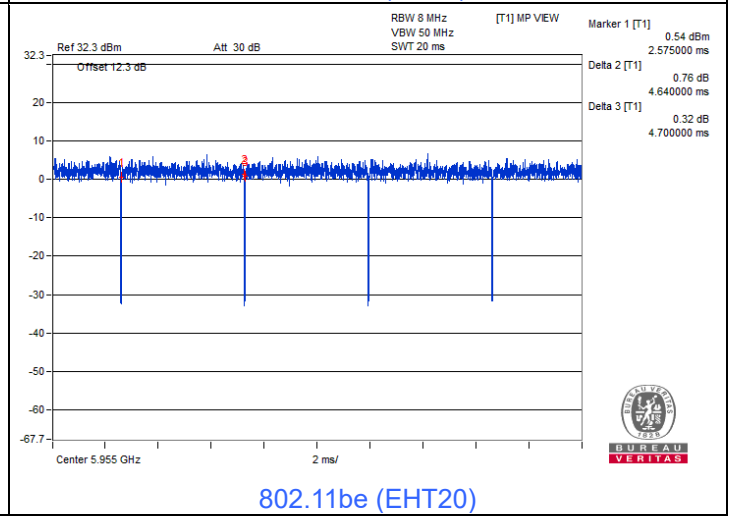
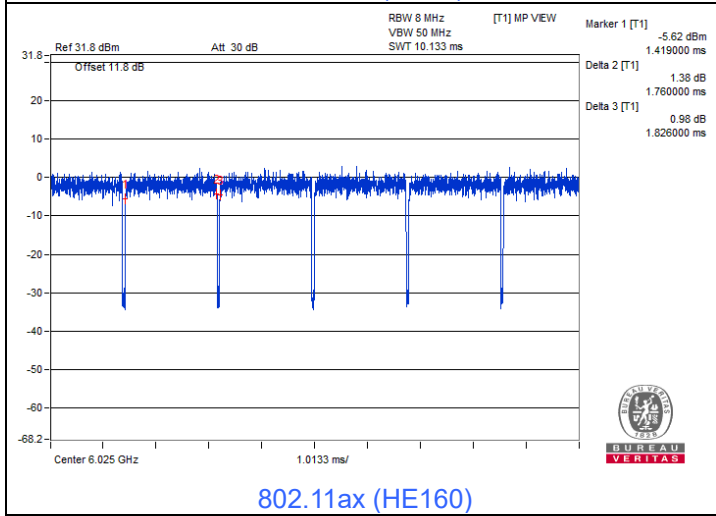
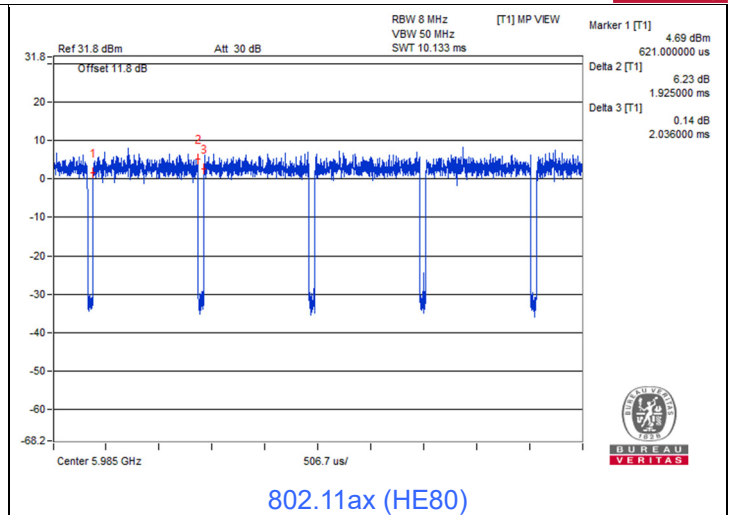
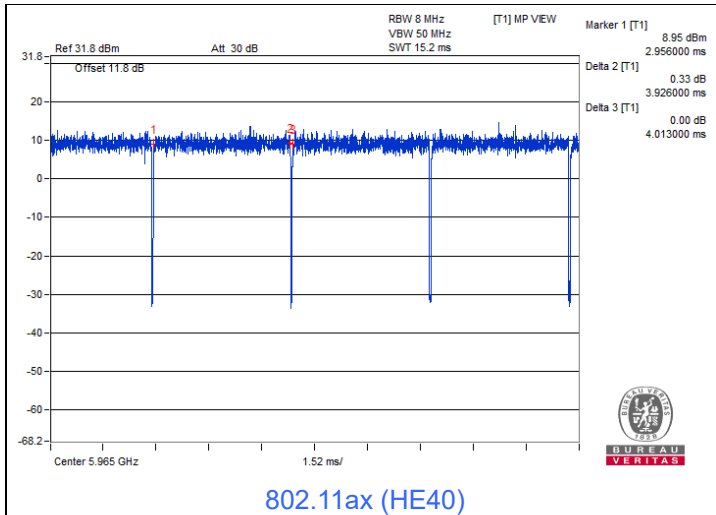
802.11be (EHT160) 996+484-tone MRU:

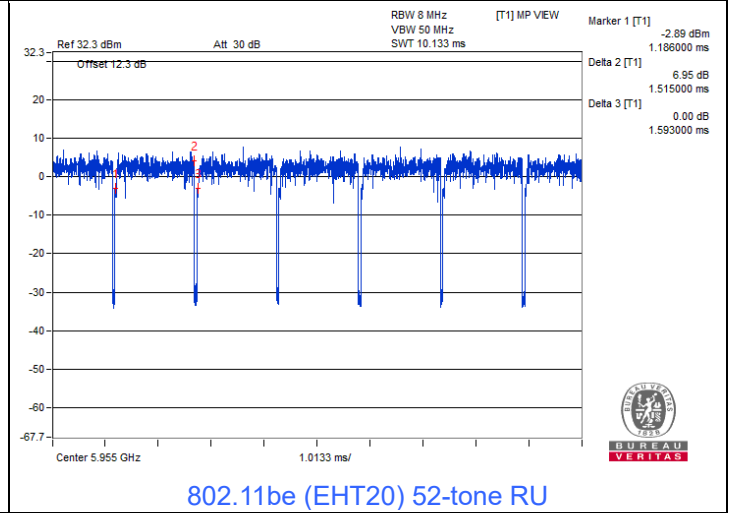
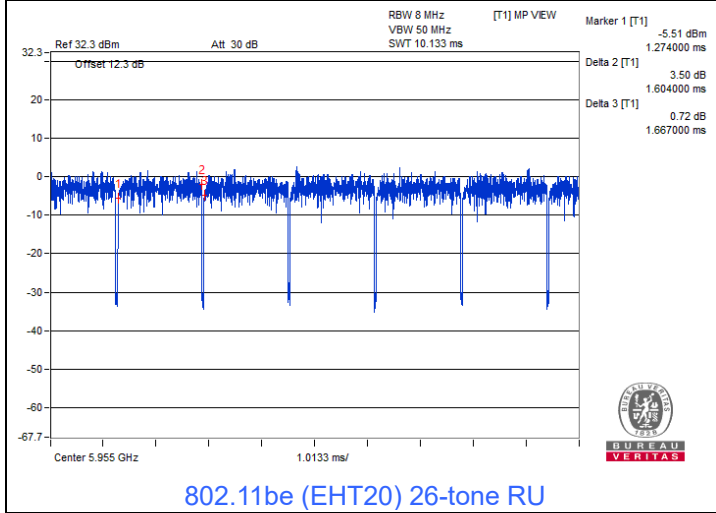
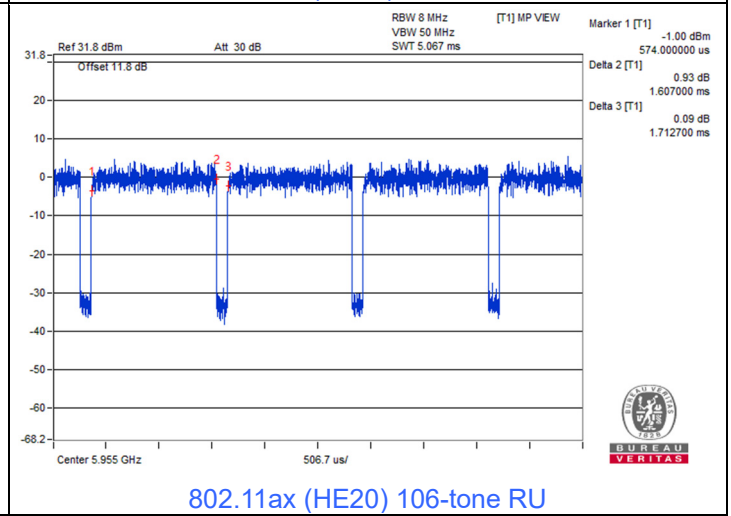
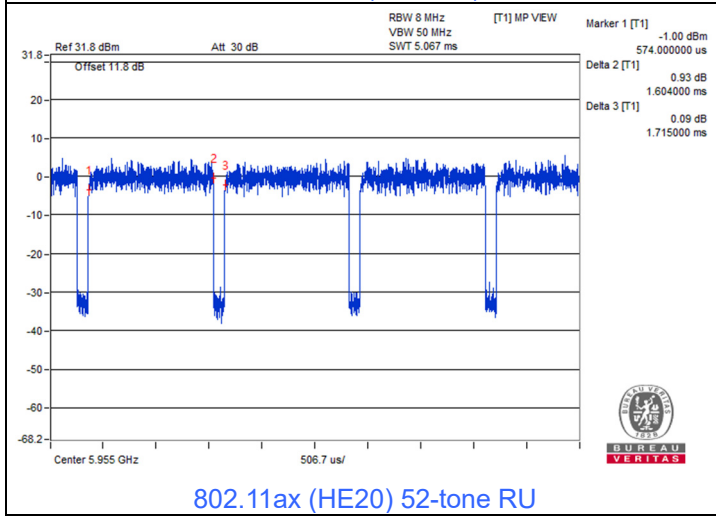
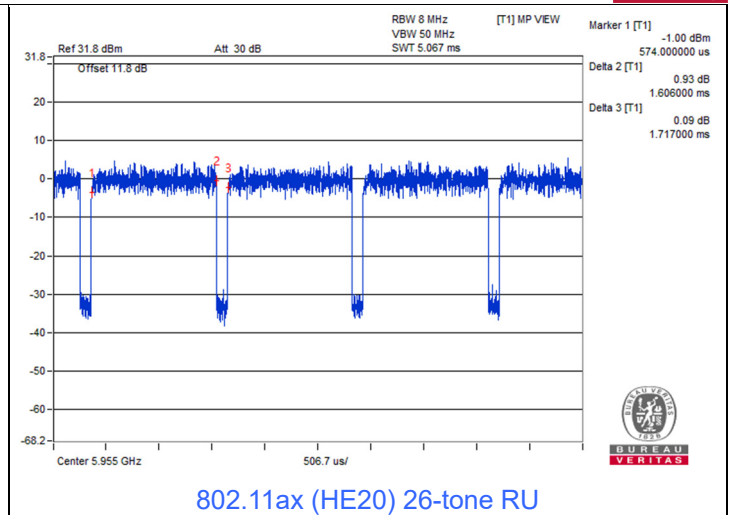
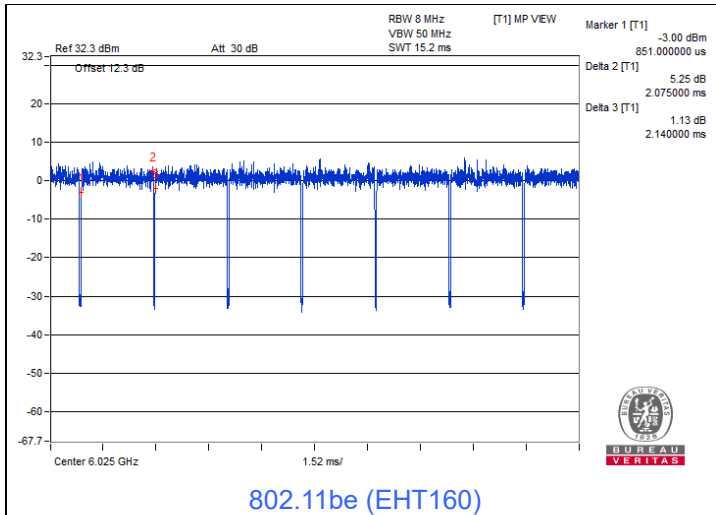
Duty cycle = 1.16 ms / 1.226 ms x 100% = 94.6%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.24 \text{ dB}$

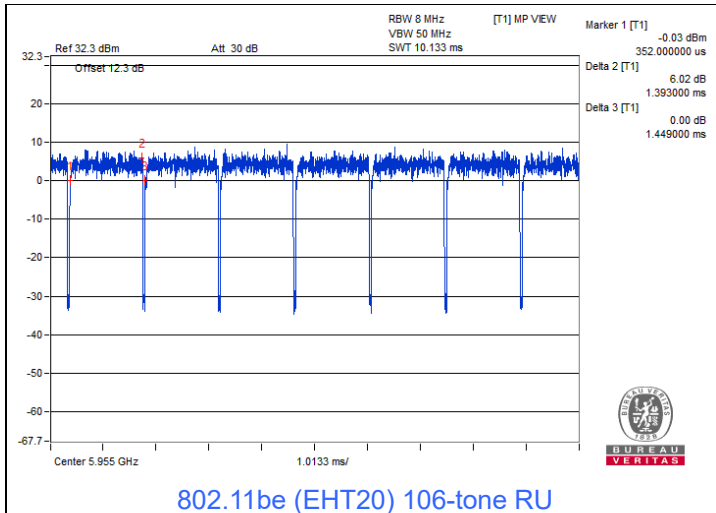
802.11be (EHT160) 996+484+242-tone MRU:

Duty cycle = 1.165 ms / 1.236 ms x 100% = 94.3%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.26 \text{ dB}$

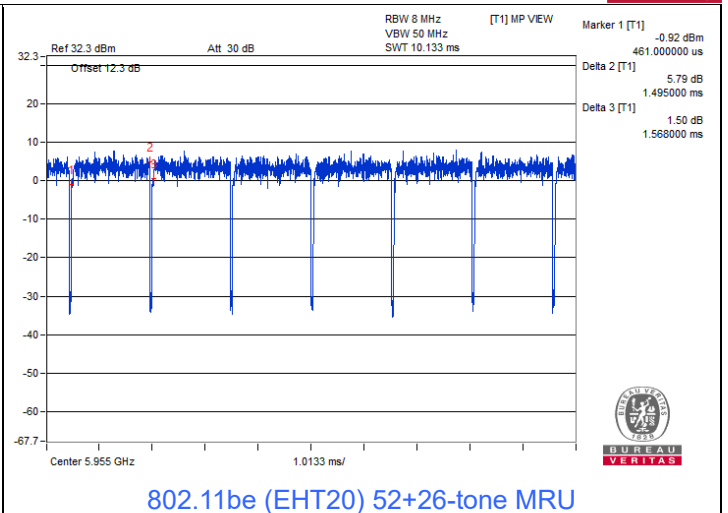




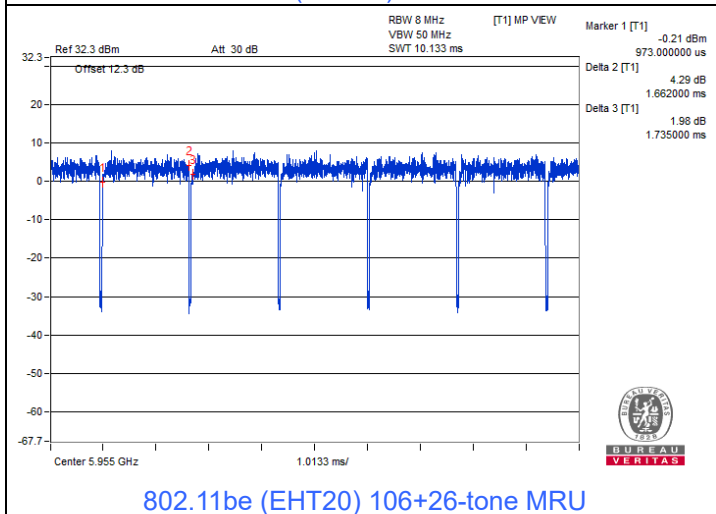




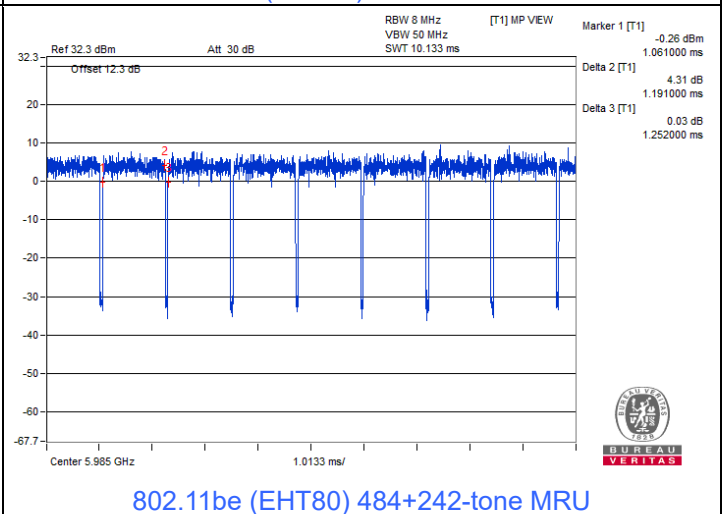
802.11be (EHT20) 106-tone RU



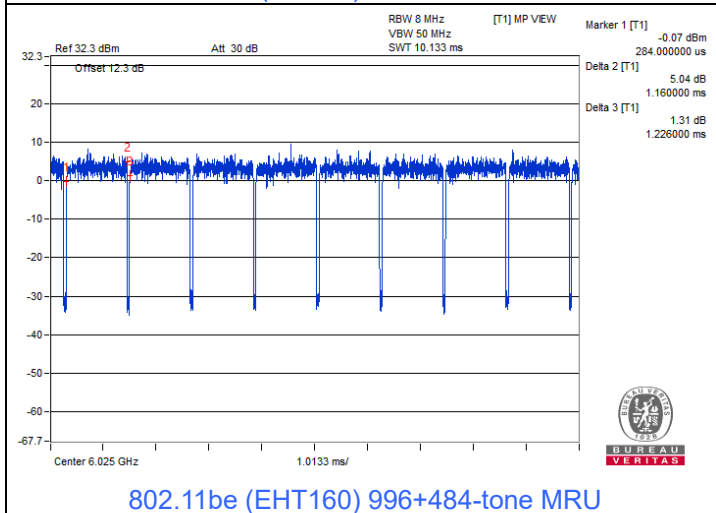
802.11be (EHT20) 52+26-tone MRU



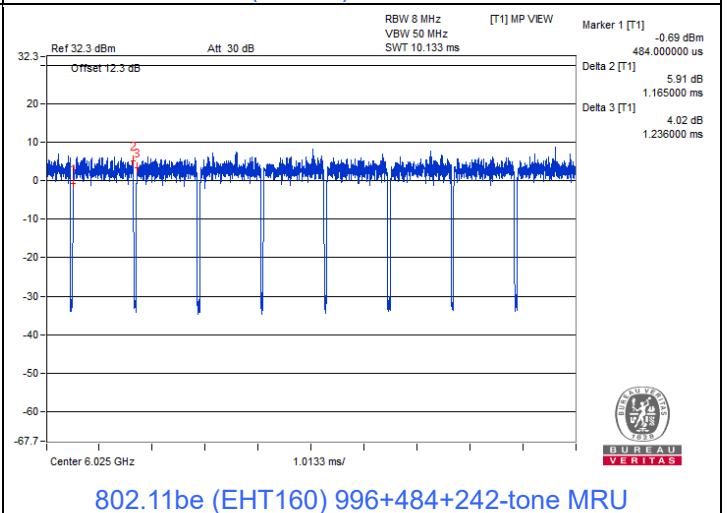
802.11be (EHT20) 106+26-tone MRU



802.11be (EHT80) 484+242-tone MRU



802.11be (EHT160) 996+484-tone MRU



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

2TX:

802.11a: Duty cycle = 2.021 ms / 2.101 ms x 100% = 96.2%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.17 \text{ dB}$

2S2T:

802.11ax (HE20):
 Duty cycle = 2.019 ms / 2.118 ms x 100% = 95.3%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.21 \text{ dB}$

802.11ax (HE40):
 Duty cycle = 2.02 ms / 2.141 ms x 100% = 94.3%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.25 \text{ dB}$

802.11ax (HE80):
 Duty cycle = 1.008 ms / 1.108 ms x 100% = 91.0%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.41 \text{ dB}$

802.11ax (HE160):
 Duty cycle = 0.931 ms / 1.03 ms x 100% = 90.4%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.44 \text{ dB}$

802.11be (EHT20):
 Duty cycle = 2.367 ms / 2.428 ms x 100% = 97.5%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.11 \text{ dB}$

802.11be (EHT40):
 Duty cycle = 2.367 ms / 2.447 ms x 100% = 96.7%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.14 \text{ dB}$

802.11be (EHT80):
 Duty cycle = 1.188 ms / 1.244 ms x 100% = 95.5%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.20 \text{ dB}$

802.11be (EHT160):
 Duty cycle = 1.097 ms / 1.16 ms x 100% = 94.6%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.24 \text{ dB}$

802.11ax (HE20) 26-tone RU:
 Duty cycle = 0.818 ms / 0.929 ms x 100% = 88.1%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.55 \text{ dB}$

802.11ax (HE20) 52-tone RU:
 Duty cycle = 0.817 ms / 0.928 ms x 100% = 88.0%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.55 \text{ dB}$

802.11ax (HE20) 106-tone RU:
 Duty cycle = 0.812 ms / 0.929 ms x 100% = 87.4%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.58 \text{ dB}$

802.11be (EHT20) 26-tone RU:
 Duty cycle = 0.856 ms / 0.926 ms x 100% = 92.4%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.34 \text{ dB}$

802.11be (EHT20) 52-tone RU:
 Duty cycle = 0.814 ms / 0.869 ms x 100% = 93.7%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.28 \text{ dB}$

802.11be (EHT20) 106-tone RU:
 Duty cycle = 0.751 ms / 0.804 ms x 100% = 93.4%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.30 \text{ dB}$

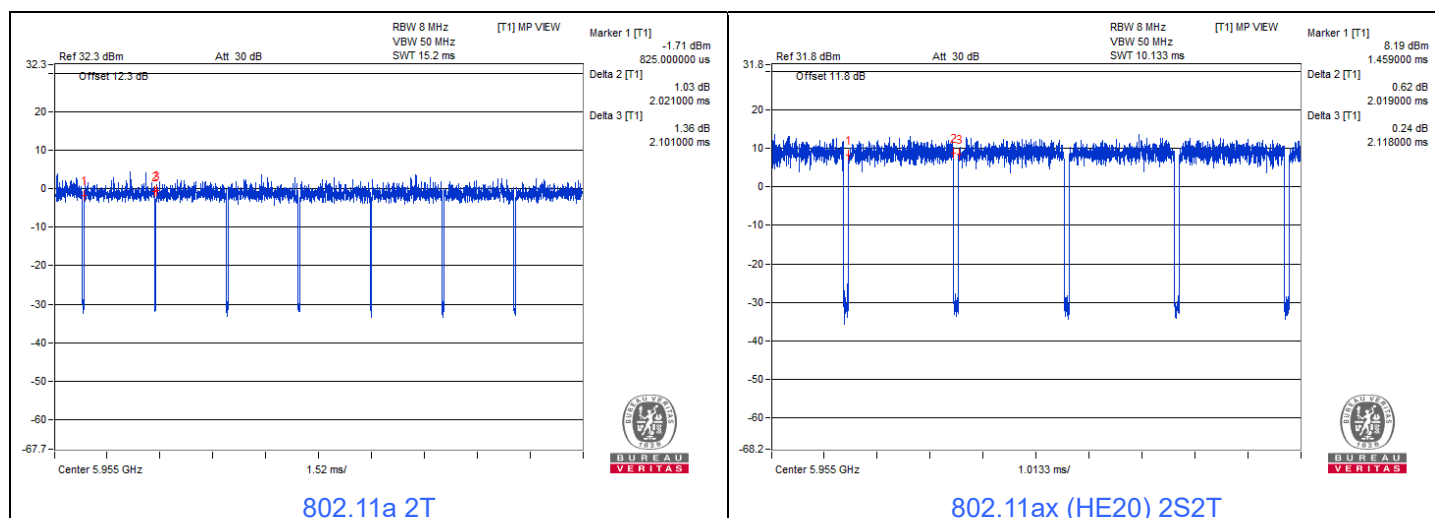
802.11be (EHT20) 52+26-tone MRU:
 Duty cycle = 0.8 ms / 0.856 ms x 100% = 93.5%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.29 \text{ dB}$

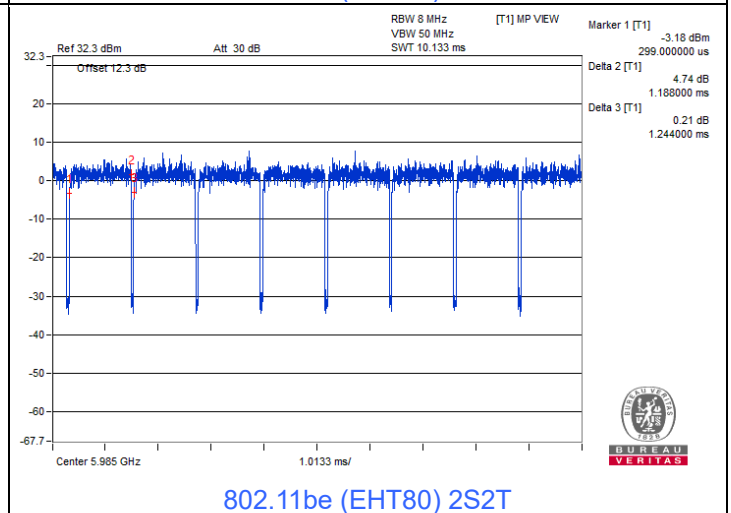
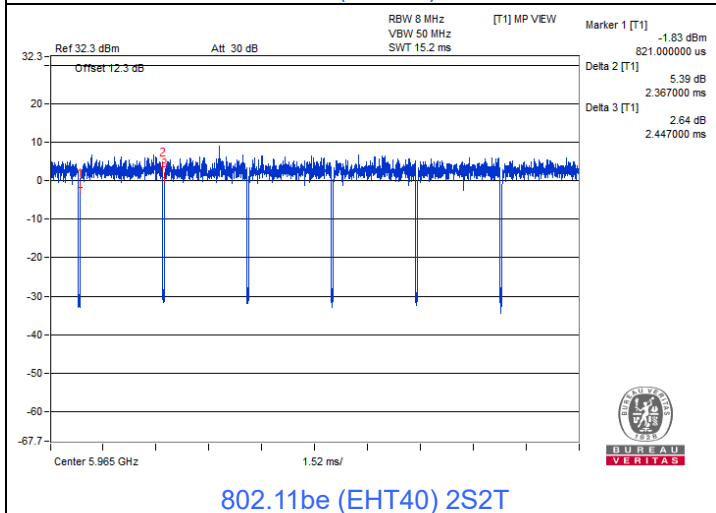
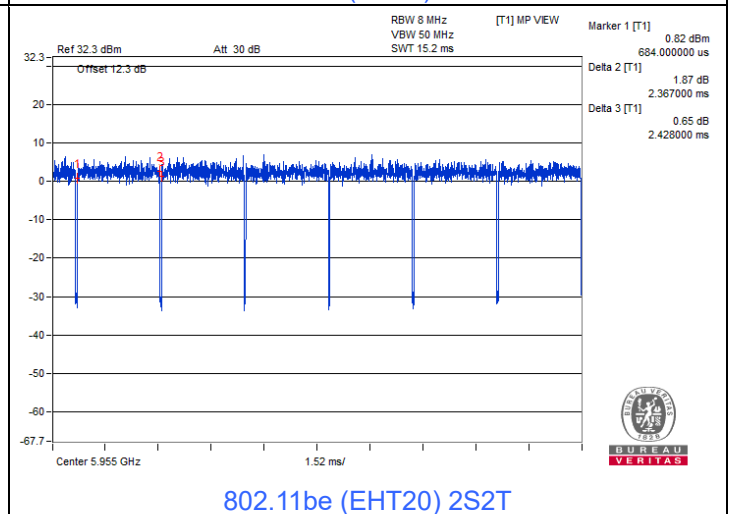
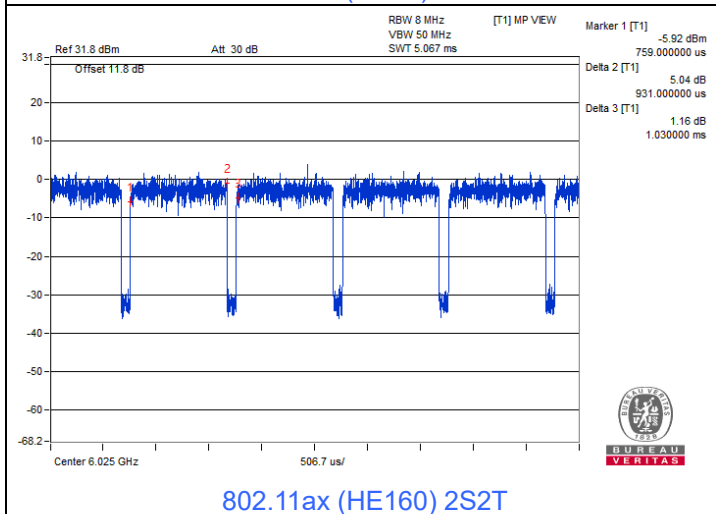
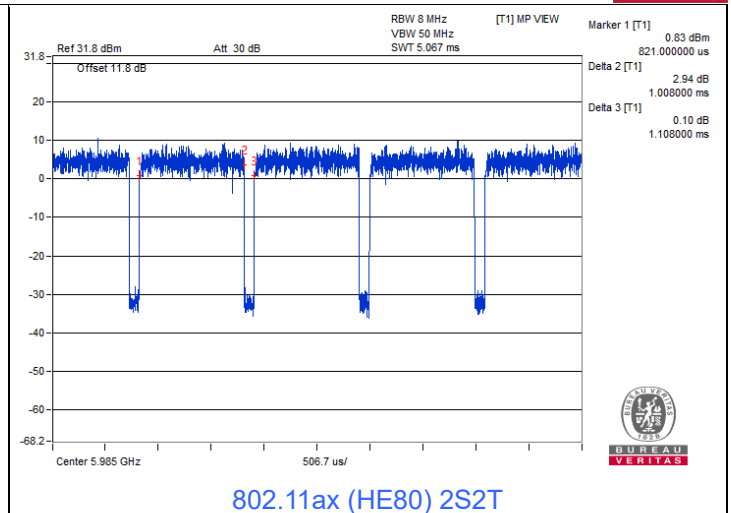
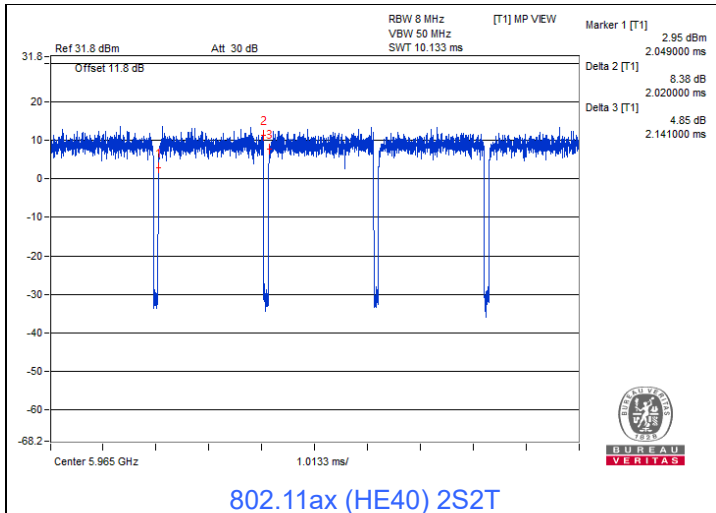
802.11be (EHT20) 106+26-tone MRU:
 Duty cycle = 0.878 ms / 0.939 ms x 100% = 93.5%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.29 \text{ dB}$

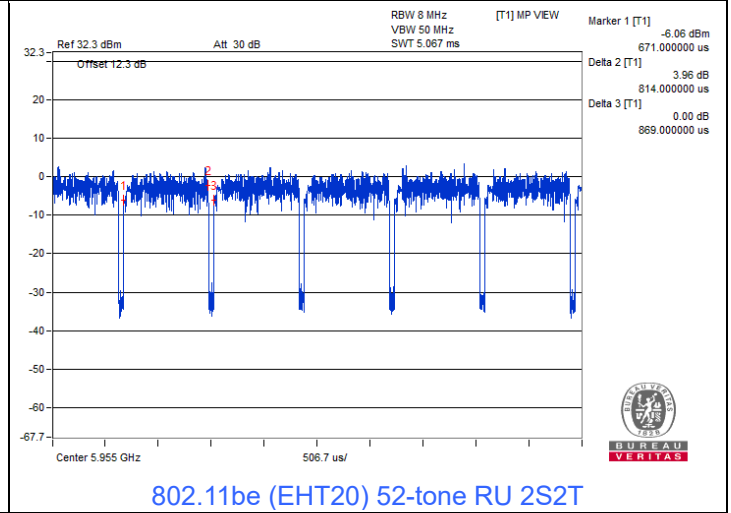
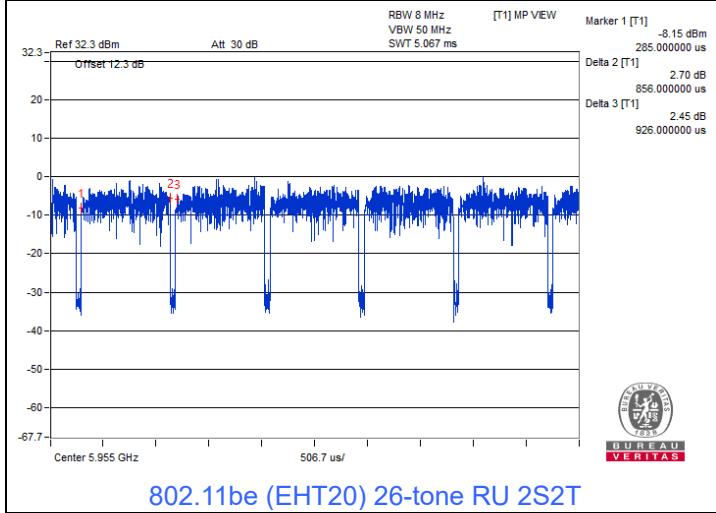
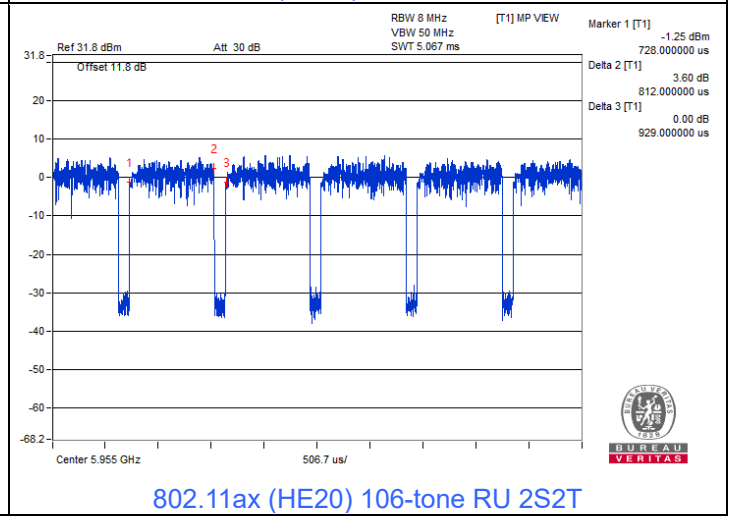
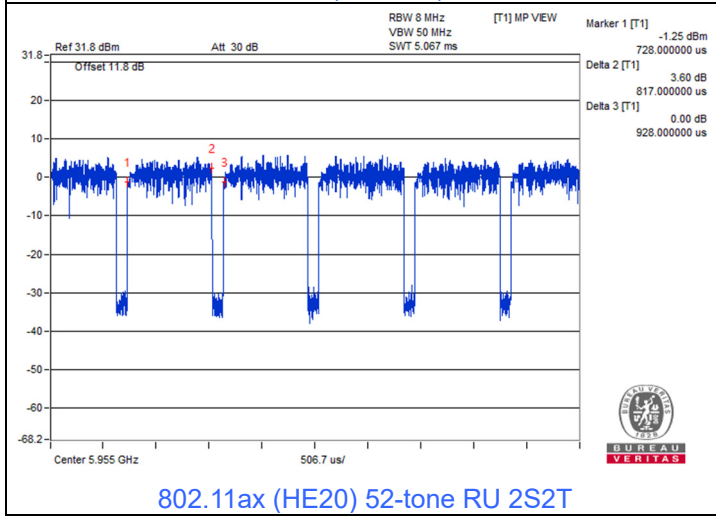
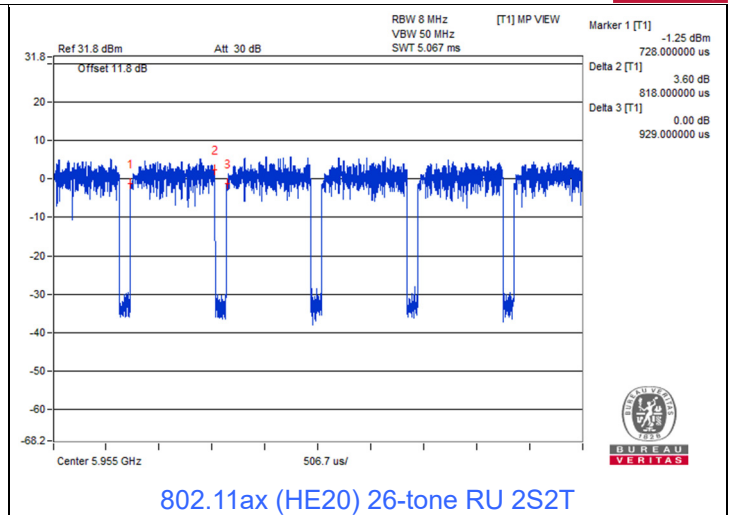
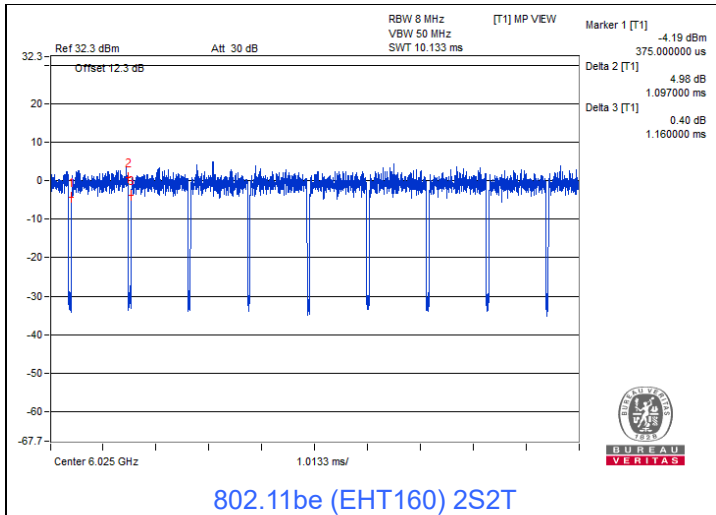
802.11be (EHT80) 484+242-tone MRU:
 Duty cycle = 0.651 ms / 0.707 ms x 100% = 92.1%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.36 \text{ dB}$

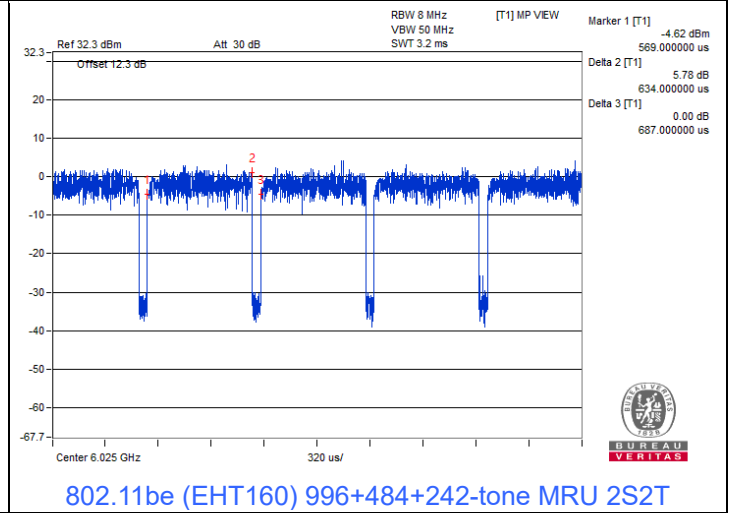
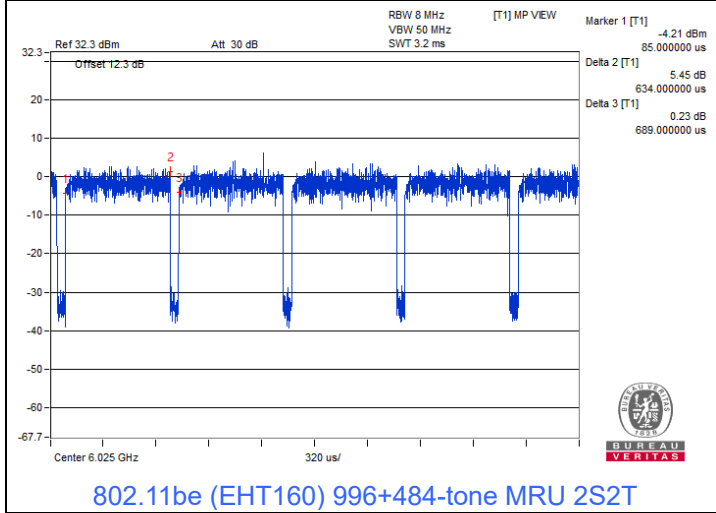
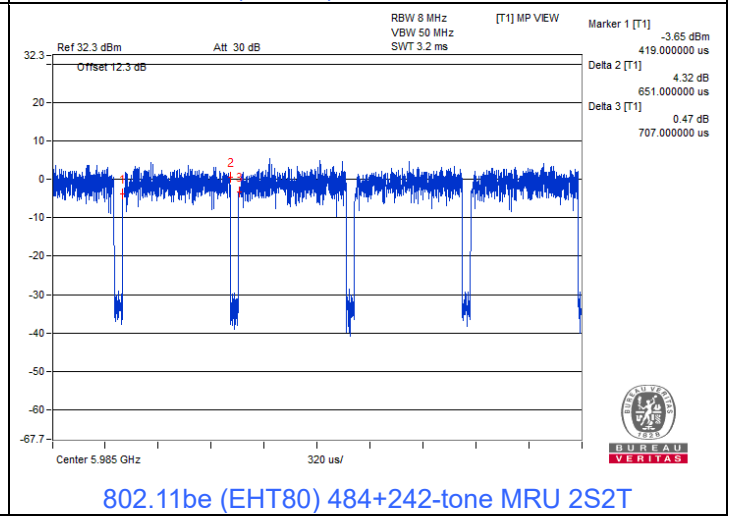
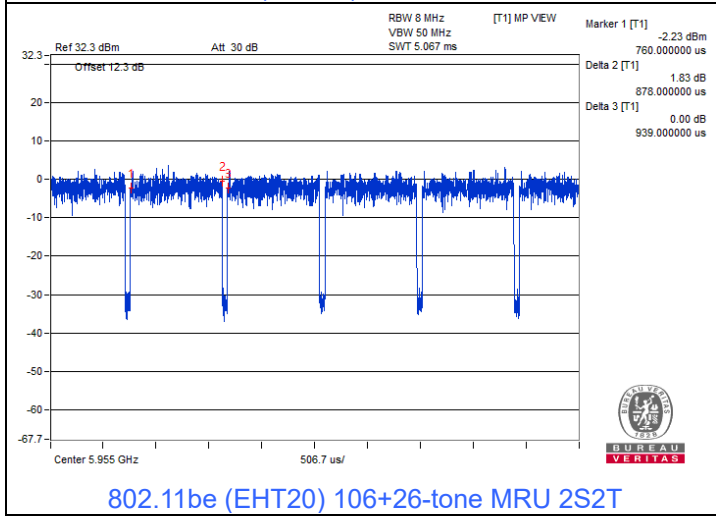
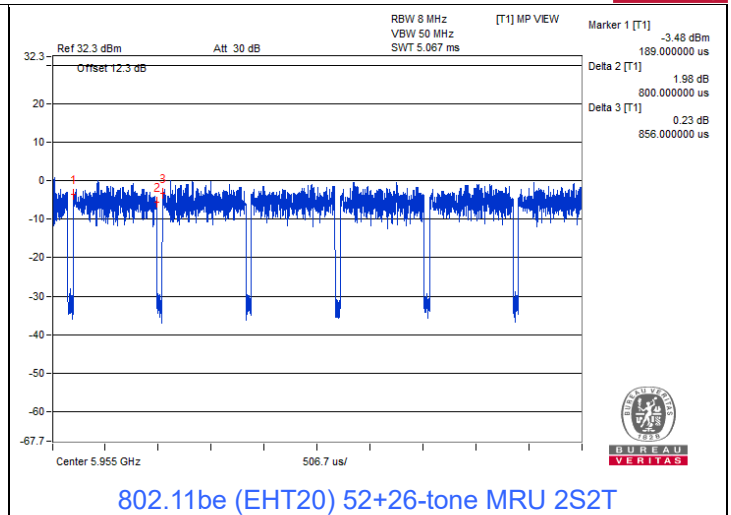
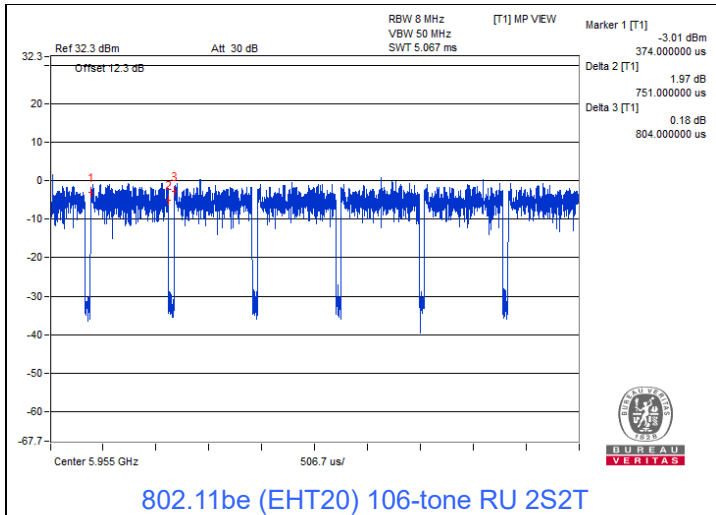
802.11be (EHT160) 996+484-tone MRU:
 Duty cycle = 0.634 ms / 0.689 ms x 100% = 92.0%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.36 \text{ dB}$

802.11be (EHT160) 996+484+242-tone MRU:
 Duty cycle = 0.634 ms / 0.687 ms x 100% = 92.3%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.35 \text{ dB}$







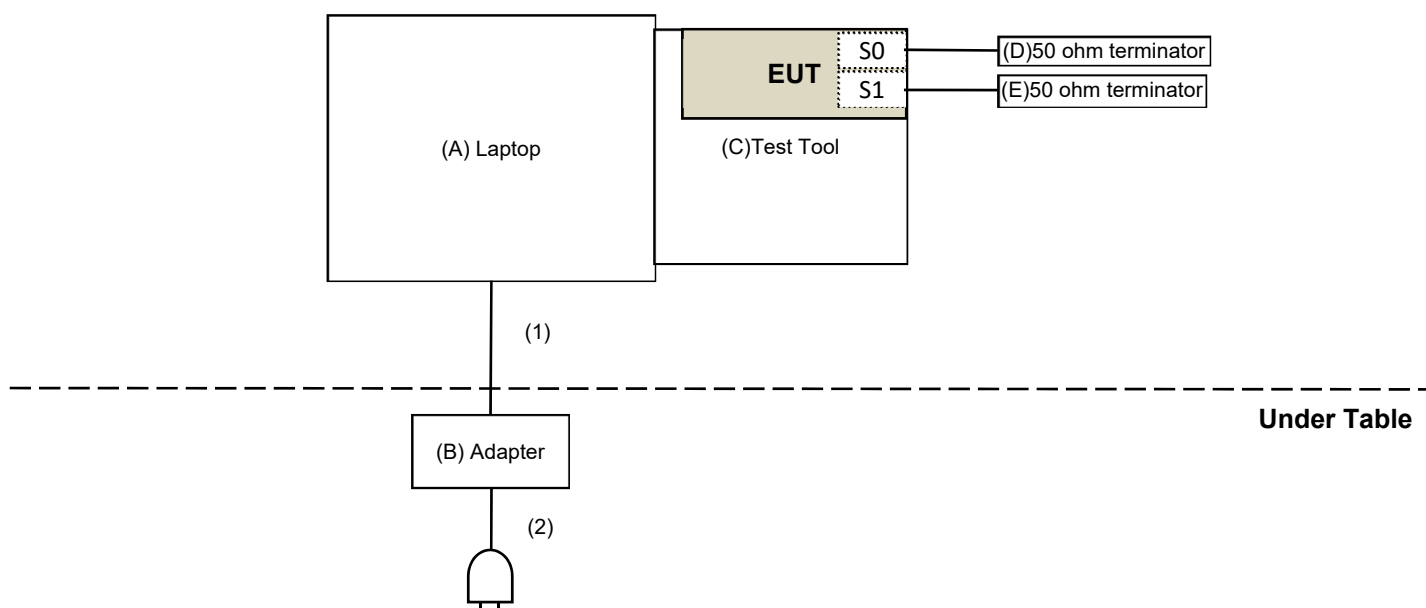


3.6 Test Program Used and Operation Descriptions

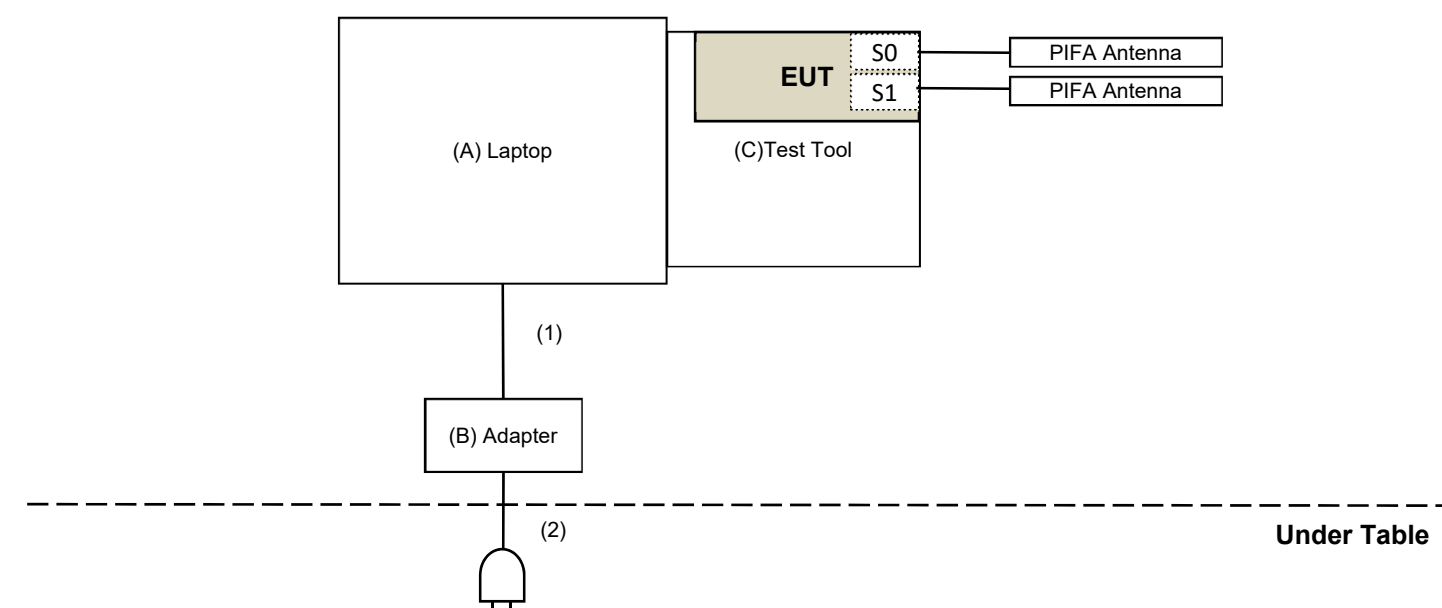
Controlling software (QAtool_V16 (0.0.2.104)) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

For Unwanted Emission test:



For AC Power Conducted Emission test:



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	DELL	E6430	J29SNX1	N/A	Provided by Lab
B	Adapter	DELL	MA65NM130	N/A	N/A	Provided by Lab
C	Test Tool	Mediatek	MTK1849	N/A	N/A	Supplied by applicant
D	50 Ohm terminator	WOKEN	WTER-18S2	N/A	N/A	Provided by Lab
E	50 Ohm terminator	WOKEN	WTER-18S2	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	1.8	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	2025/5/23	2026/5/22
Pulse Power Sensor Anritsu	MA2411B	1726434	2025/6/3	2026/6/2
RF Power Meter Anritsu	ML2495A	1529002	2025/6/3	2026/6/2

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2025/6/13 ~ 2025/6/16

4.2 Maximum Power Spectral Density

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
PXA Signal Analyzer Keysight	N9030A	MY55330160	2025/1/16	2026/1/15
Software	ADT_RF Test Software V8	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2025/6/13 ~ 2025/6/16

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	2024/9/27	2025/9/26
MXG Vector Signal Generator Keysight	N5182B	MY53052647	2024/9/27	2025/9/26
Power Splitter/Combiner Mini-Circuits	ZFRSC-123-S+	F698501347_01	2024/10/30	2025/10/29
		F698501347_02	2024/10/30	2025/10/29
Signal & Spectrum Analyzer R&S	FSV3044	101506	2025/6/12	2026/6/11
	FSW8	101497	2025/5/26	2026/5/25

Notes:

1. The test was performed in Adaptivity room.
2. Tested Date: 2025/7/9

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance Telegartner	50 ohm	3	2024/11/1	2025/10/31
EMI Test Receiver R&S	ESCS 30	100375	2025/5/21	2026/5/20
Fixed Attenuator STI	STI02-2200-10	005	2025/2/17	2026/2/16
LISN R&S	ESH3-Z5	835239/001	2025/3/27	2026/3/26
		848773/004	2024/10/7	2025/10/6
RF Coaxial Cable JYEBAO	5D-FB	COCCAB-001	2025/2/17	2026/2/16
Software BVADT	BVADT_Cond_V7.3.7.4	N/A	N/A	N/A

Notes:

1. The test was performed in Conduction 1
2. Tested Date: 2025/7/8

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	2025/5/23	2026/5/22
PXA Signal Analyzer Keysight	N9030A	MY55330160	2025/1/16	2026/1/15
Software	ADT_RF Test Software V8	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2025/6/17

Mode B

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-406	2024/10/8	2025/10/7
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-03	2025/2/15	2026/2/14
Loop Antenna TESEQ	HLA 6121	63620	2024/10/17	2025/10/16
MXE EMI Receiver Agilent	N9038A	MY51210202	2024/7/29	2025/7/28
Preamplifier EMCI	EMC330N	980701	2025/2/15	2026/2/14
	EMC001340	980142	2025/2/17	2026/2/16
RF Coaxial Cable mTJ	100100-CFD400LW-200	CFD400-200	2025/2/15	2026/2/14
	100100-CFD400LW-400	CFD400-400	2025/2/15	2026/2/14
	100100-CFD400LW-800	CFD400-800	2025/2/15	2026/2/14
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2025/5/28 ~ 2025/7/8

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	2024/5/29	2025/5/28
PXA Signal Analyzer Keysight	N9030A	MY55330160	2025/1/16	2026/1/15
Software	ADT_RF Test Software V8	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2025/5/2 ~ 2025/5/21

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-783	2024/11/10	2025/11/9
	BBHA 9170	9170-739	2024/11/10	2025/11/9
MXA Signal Analyzer Keysight	N9020B	MY60112410	2025/3/17	2026/3/16
Preamplifier EMCI	EMC12630SE	980688	2024/8/8	2025/8/7
	EMC184045SE	980387	2024/8/8	2025/8/7
RF Coaxial Cable EMCI	EMC102-KM-KM-1200	160924	2025/1/24	2026/1/23
	EMC102-KM-KM-4000	200214	2025/1/24	2026/1/23
	EMC104-SM-SM-1200	160922	2025/1/14	2026/1/13
	EMC104-SM-SM-2000	180502	2025/1/14	2026/1/13
	EMC104-SM-SM-6000	210704	2024/10/30	2025/10/29
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2025/5/28 ~ 2025/6/24

4.10 Transmit power control (TPC) mechanism

Description & Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Signal & Spectrum Analyzer R&S	FSW8	101497	2025/5/26	2026/5/25
Power Splitter/Combiner Mini-Circuits	ZFRSC-123-S+	F698501347_02	2024/10/30	2025/10/29
Programmable Step Attenuator SHX	GKTS1-9-110-8Y- HLU	GKTS1-9-110-8Y- HLU-02	2024/5/29	2025/5/28

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2025/6/17

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:

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

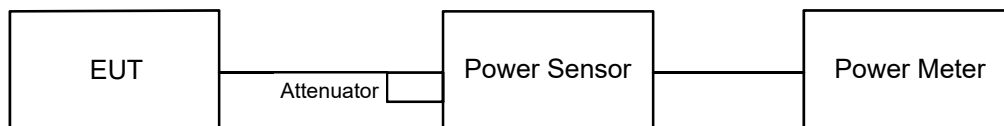
5.10 Transmit power control (TPC) mechanism

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

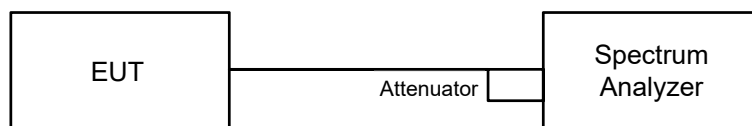


6.1.2 Test Procedure

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

6.2 Maximum Power Spectral Density

6.2.1 Test Setup



6.2.2 Test Procedure

For specified measurement bandwidth 1 MHz:

Method SA-1

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

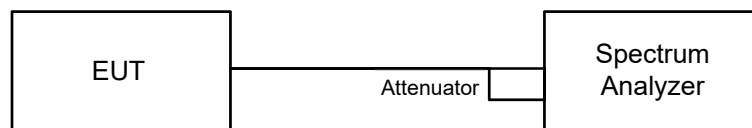
For specified measurement bandwidth 1 MHz:

Method SA-2

- Measure the duty cycle D 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.
- Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq$ RBW / 2, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto.
- Detector = Power averaging (rms), if available. Otherwise, use sample detector mode.
- Do not use sweep triggering. Allow the sweep to "free run."
- Trace average at least 100 traces in power averaging (rms) 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/duty cycle).

6.3 Emission Bandwidth

6.3.1 Test Setup

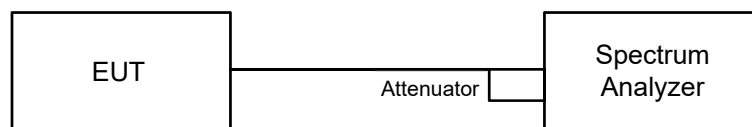


6.3.2 Test Procedure

- Set RBW = shall be in the range of 1% to 5% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = peak.
- Trace mode = max-hold.
- 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

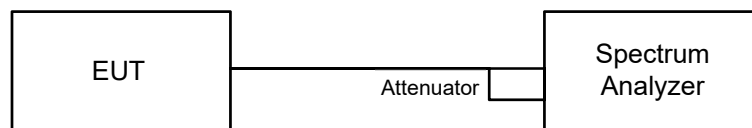


6.4.2 Test Procedure

- Connect output of the antenna port to a spectrum analyzer and adjust appropriate attenuation.
- Measure the 26 dB EBW using the test procedure 12.5.2 of ANSI C63.10-2020. (Determine the channel edge.)
- Measure the power spectral density (for emissions mask reference) using the following procedure:
 - Set the span to encompass the entire 26 dB EBW of the signal.
 - Set RBW = same RBW used for 26 dB EBW measurement.
 - Set VBW $\geq [3 \times \text{RBW}]$.
 - Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$.
 - Sweep time = auto.
 - Detector = RMS (i.e., power averaging).
 - Trace average at least 100 traces in power averaging (rms) mode.
 - Use the peak search function on the instrument to find the peak of the spectrum.
- 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:
 - 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.)
 - Suppressed by 28 dB at one channel bandwidth from the channel center.
 - Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
- Adjust the span to encompass the entire mask as necessary and clear trace.
- Trace average at least 100 traces in power averaging (rms) mode.
- Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask

6.5 Occupied Bandwidth

6.5.1 Test Setup



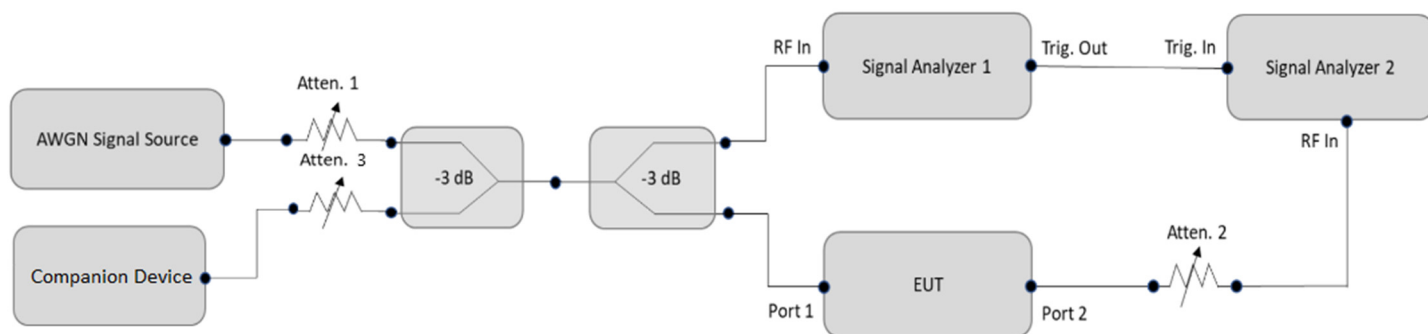
6.5.2 Test Procedure

The 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.

6.6 Contention-based Protocol

6.6.1 Test Setup



6.6.2 Test Procedure

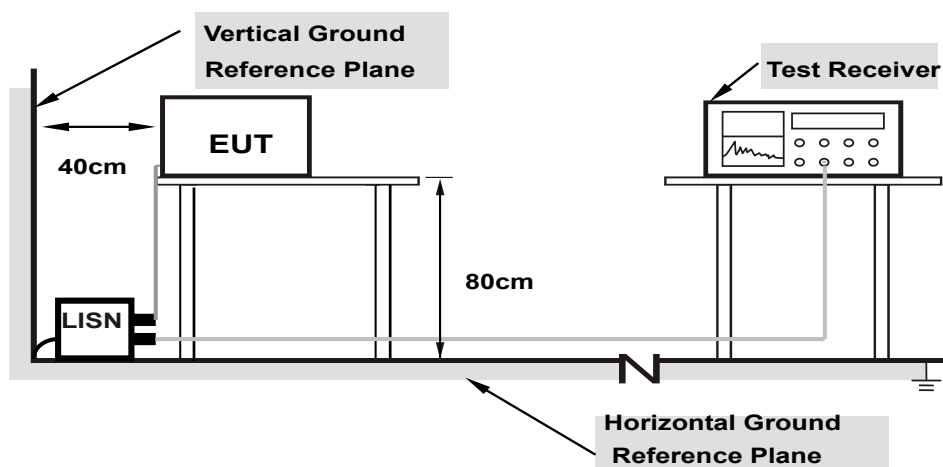
- Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT. Connect the output port of the EUT to the signal analyzer 2. Ensure that the attenuator 2 provides enough attenuation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

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

- The power measurement of AWGN signal refers to method SA-1 in section 12.4.2.2 of ANSI C63.10-2020.
- Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use step c table to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
- Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT.
- Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.
- Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
- (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
- Refer to step c table to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step d, choose a different center frequency for the AWGN signal and repeat the process.

6.7 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.

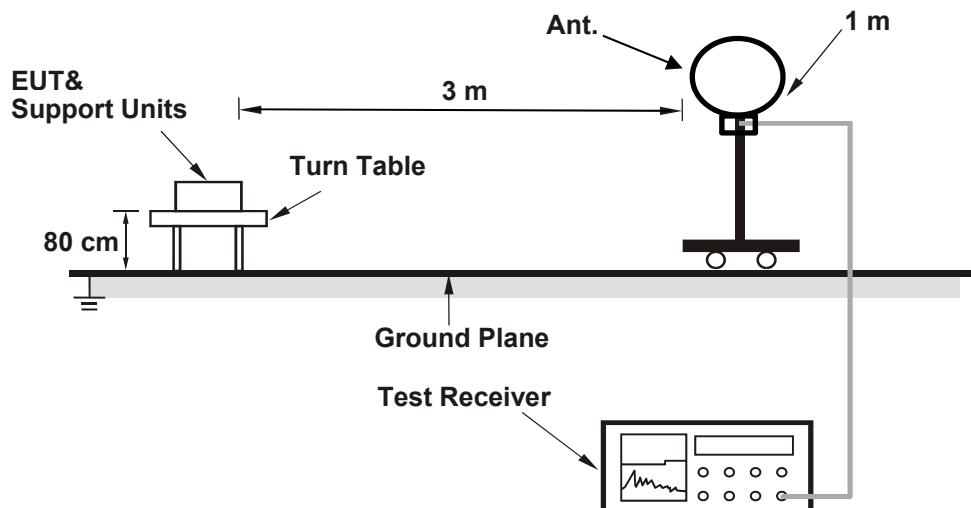
Note: The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz-30 MHz.

6.8 Unwanted Emissions below 1 GHz

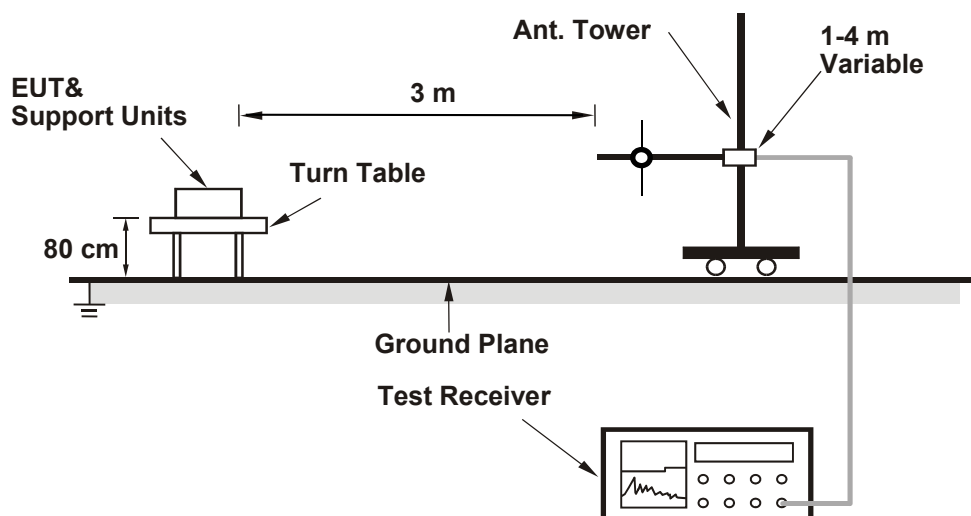
6.8.1 Test Setup

For Radiated Configuration:

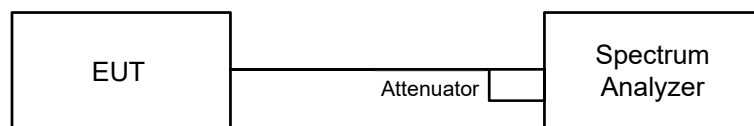
For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



For Conducted Configuration:



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, 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

- a. 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.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. 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.
- d. 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. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequencies less than or equal to 1 GHz.

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency (30 MHz to 1 GHz).
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.

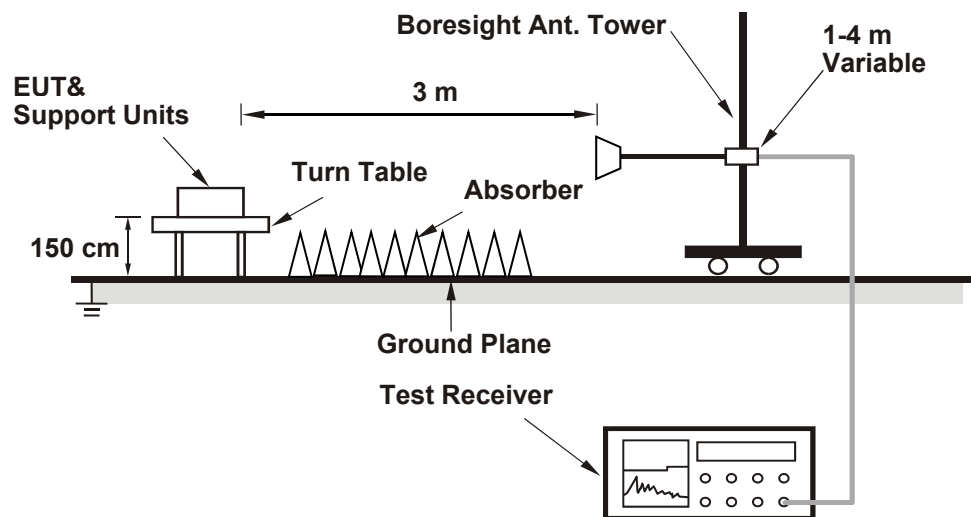
Notes:

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.

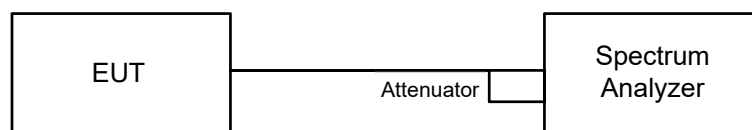
6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup

For Radiated Configuration:



For Conducted Configuration:



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

6.9.2 Test Procedure

Radiated versus Conducted Measurement.

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

The following steps was performed:

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

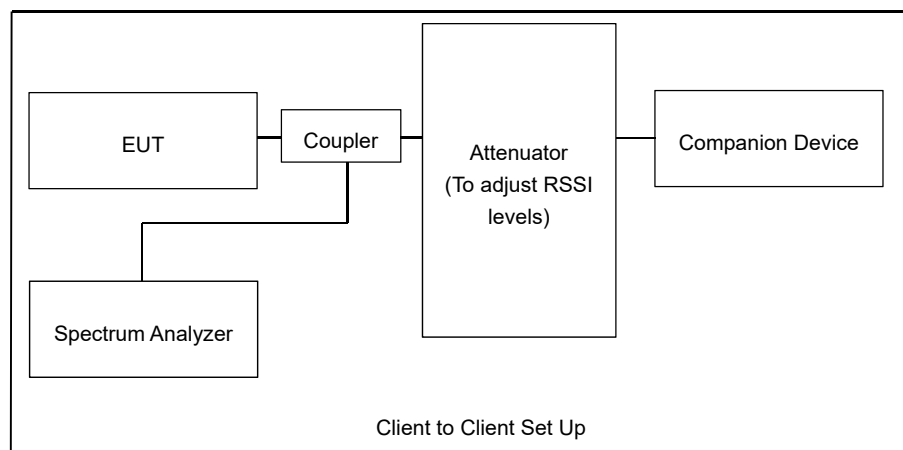
Notes:

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

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). <tr> <th style="background-color: #e0e0e0; padding: 5px; text-align: center;">Conducted Unwanted Emission Convert Formula</th> </tr> <tr> <td style="padding: 5px;"> 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. </td> </tr>	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.
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 Transmit power control (TPC) mechanism

6.10.1 Test Setup



6.10.2 Test Procedure

- a. Establish a connection between the EUT and the companion device and enable peer-to-peer communication.
- b. 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.
- c. Set the variable attenuator to 0 dB (simulate a noise-free spectral environment and high RSSI).
- d. Capture the PSD values (A) from the Spectrum analyzer.
- e. Increase the attenuation of the variable attenuator step to step (simulate a noisy spectral environment and low RSSI))
- f. Capture the PSD values (B) from the Spectrum analyzer.
- g. 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:	22°C, 60% RH	Tested By:	Henry Hsu
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Mode A

802.11a 1TX

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	1.706	2.32	4.76	5.105	7.08	14	Pass
45	6175	1.824	2.61	4.76	5.458	7.37	14	Pass
93	6415	1.803	2.56	4.76	5.395	7.32	14	Pass
97	6435	1.758	2.45	4.29	4.721	6.74	14	Pass
105	6475	1.845	2.66	4.29	4.954	6.95	14	Pass
113	6515	1.858	2.69	4.29	4.989	6.98	14	Pass
117	6535	1.766	2.47	4.61	5.105	7.08	14	Pass
149	6695	1.799	2.55	4.61	5.2	7.16	14	Pass
181	6855	1.901	2.79	4.61	5.495	7.4	14	Pass
185	6875	1.791	2.53	4.61	5.177	7.14	14	Pass
209	6995	2.004	3.02	4.09	5.139	7.11	14	Pass
233	7115	1.932	2.86	4.09	4.955	6.95	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) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	1.714	2.34	4.76	5.129	7.1	14	Pass
45	6175	1.698	2.30	4.76	5.081	7.06	14	Pass
93	6415	1.738	2.40	4.76	5.201	7.16	14	Pass
97	6435	1.963	2.93	4.29	5.271	7.22	14	Pass
105	6475	1.919	2.83	4.29	5.153	7.12	14	Pass
113	6515	1.901	2.79	4.29	5.105	7.08	14	Pass
117	6535	1.795	2.54	4.61	5.189	7.15	14	Pass
149	6695	1.923	2.84	4.61	5.559	7.45	14	Pass
181	6855	1.875	2.73	4.61	5.42	7.34	14	Pass
185	6875	1.986	2.98	4.61	5.741	7.59	14	Pass
209	6995	2.188	3.40	4.09	5.611	7.49	14	Pass
233	7115	2.168	3.36	4.09	5.56	7.45	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) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
3	5965	3.451	5.38	4.76	10.326	10.14	14	Pass
43	6165	3.837	5.84	4.76	11.481	10.6	14	Pass
91	6405	3.443	5.37	4.76	10.302	10.13	14	Pass
99	6445	3.811	5.81	4.29	10.234	10.1	14	Pass
107	6485	3.767	5.76	4.29	10.116	10.05	14	Pass
115	6525	3.622	5.59	4.61	10.47	10.2	14	Pass
123	6565	3.581	5.54	4.61	10.352	10.15	14	Pass
155	6725	3.475	5.41	4.61	10.045	10.02	14	Pass
179	6845	3.828	5.83	4.61	11.066	10.44	14	Pass
187	6885	4.198	6.23	4.09	10.766	10.32	14	Pass
211	7005	3.811	5.81	4.09	9.773	9.9	14	Pass
227	7085	4.198	6.23	4.09	10.766	10.32	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) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
7	5985	7.096	8.51	4.76	21.233	13.27	14	Pass
39	6145	7.145	8.54	4.76	21.38	13.3	14	Pass
87	6385	7.112	8.52	4.76	21.281	13.28	14	Pass
103	6465	7.482	8.74	4.29	20.092	13.03	14	Pass
119	6545	6.792	8.32	4.61	19.633	12.93	14	Pass
151	6705	6.887	8.38	4.61	19.908	12.99	14	Pass
183	6865	6.776	8.31	4.61	19.587	12.92	14	Pass
199	6945	7.998	9.03	4.09	20.511	13.12	14	Pass
215	7025	7.745	8.89	4.09	19.862	12.98	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) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	7.603	8.81	4.76	22.75	13.57	14	Pass
47	6185	7.691	8.86	4.76	23.014	13.62	14	Pass
79	6345	7.87	8.96	4.76	23.549	13.72	14	Pass
111	6505	8.65	9.37	4.29	23.228	13.66	14	Pass
143	6665	8.222	9.15	4.61	23.767	13.76	14	Pass
175	6825	8.222	9.15	4.61	23.767	13.76	14	Pass
207	6985	8.954	9.52	4.09	22.962	13.61	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) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	1.762	2.46	4.76	5.272	7.22	14	Pass
45	6175	1.742	2.41	4.76	5.213	7.17	14	Pass
93	6415	1.807	2.57	4.76	5.407	7.33	14	Pass
97	6435	2.028	3.07	4.29	5.446	7.36	14	Pass
105	6475	1.991	2.99	4.29	5.347	7.28	14	Pass
113	6515	1.986	2.98	4.29	5.333	7.27	14	Pass
117	6535	1.854	2.68	4.61	5.359	7.29	14	Pass
149	6695	2.014	3.04	4.61	5.822	7.65	14	Pass
181	6855	1.95	2.90	4.61	5.637	7.51	14	Pass
185	6875	2.051	3.12	4.61	5.929	7.73	14	Pass
209	6995	2.249	3.52	4.09	5.768	7.61	14	Pass
233	7115	2.218	3.46	4.09	5.688	7.55	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) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
3	5965	3.597	5.56	4.76	10.763	10.32	14	Pass
43	6165	4.009	6.03	4.76	11.996	10.79	14	Pass
91	6405	3.556	5.51	4.76	10.64	10.27	14	Pass
99	6445	3.908	5.92	4.29	10.494	10.21	14	Pass
107	6485	3.882	5.89	4.29	10.425	10.18	14	Pass
115	6525	3.767	5.76	4.61	10.889	10.37	14	Pass
123	6565	3.69	5.67	4.61	10.667	10.28	14	Pass
155	6725	3.622	5.59	4.61	10.47	10.2	14	Pass
179	6845	3.963	5.98	4.61	11.456	10.59	14	Pass
187	6885	4.345	6.38	4.09	11.143	10.47	14	Pass
211	7005	3.945	5.96	4.09	10.117	10.05	14	Pass
227	7085	4.365	6.40	4.09	11.194	10.49	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) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
7	5985	7.178	8.56	4.76	21.478	13.32	14	Pass
39	6145	7.311	8.64	4.76	21.876	13.4	14	Pass
87	6385	7.211	8.58	4.76	21.577	13.34	14	Pass
103	6465	7.816	8.93	4.29	20.989	13.22	14	Pass
119	6545	6.918	8.40	4.61	19.998	13.01	14	Pass
151	6705	7.031	8.47	4.61	20.324	13.08	14	Pass
183	6865	7.015	8.46	4.61	20.278	13.07	14	Pass
199	6945	8.054	9.06	4.09	20.654	13.15	14	Pass
215	7025	8.072	9.07	4.09	20.701	13.16	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) 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	7.962	9.01	4.76	23.824	13.77	14	Pass
47	6185	7.907	8.98	4.76	23.66	13.74	14	Pass
79	6345	8.185	9.13	4.76	24.492	13.89	14	Pass
111	6505	8.872	9.48	4.29	23.824	13.77	14	Pass
143	6665	8.492	9.29	4.61	24.548	13.9	14	Pass
175	6825	8.57	9.33	4.61	24.773	13.94	14	Pass
207	6985	9.226	9.65	4.09	23.66	13.74	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 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	0.2911	-5.36	4.76	0.871	-0.6	14	Pass
93	6415	0.2979	-5.26	4.76	0.8914	-0.5	14	Pass
97	6435	0.3467	-4.60	4.29	0.931	-0.31	14	Pass
113	6515	0.3296	-4.82	4.29	0.8851	-0.53	14	Pass
117	6535	0.3097	-5.09	4.61	0.8952	-0.48	14	Pass
181	6855	0.3228	-4.91	4.61	0.9331	-0.3	14	Pass
209	6995	0.3508	-4.55	4.09	0.8996	-0.46	14	Pass
233	7115	0.1574	-8.03	4.09	0.4036	-3.94	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 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	0.6124	-2.13	4.76	1.832	2.63	14	Pass
93	6415	0.6339	-1.98	4.76	1.897	2.78	14	Pass
97	6435	0.6471	-1.89	4.29	1.738	2.4	14	Pass
113	6515	0.6577	-1.82	4.29	1.766	2.47	14	Pass
117	6535	0.6095	-2.15	4.61	1.762	2.46	14	Pass
181	6855	0.6637	-1.78	4.61	1.919	2.83	14	Pass
209	6995	0.6934	-1.59	4.09	1.778	2.5	14	Pass
233	7115	0.3243	-4.89	4.09	0.8317	-0.8	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) 106-tone RU 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	1.276	1.06	4.76	3.818	5.82	14	Pass
93	6415	1.265	1.02	4.76	3.785	5.78	14	Pass
97	6435	1.368	1.36	4.29	3.674	5.65	14	Pass
113	6515	1.306	1.16	4.29	3.507	5.45	14	Pass
117	6535	1.178	0.71	4.61	3.405	5.32	14	Pass
181	6855	1.276	1.06	4.61	3.689	5.67	14	Pass
209	6995	1.368	1.36	4.09	3.508	5.45	14	Pass
233	7115	0.5445	-2.64	4.09	1.396	1.45	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 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	0.302	-5.20	4.76	0.9037	-0.44	14	Pass
93	6415	0.3119	-5.06	4.76	0.9333	-0.3	14	Pass
97	6435	0.3614	-4.42	4.29	0.9705	-0.13	14	Pass
113	6515	0.342	-4.66	4.29	0.9184	-0.37	14	Pass
117	6535	0.3192	-4.96	4.61	0.9227	-0.35	14	Pass
181	6855	0.3311	-4.80	4.61	0.9571	-0.19	14	Pass
209	6995	0.3622	-4.41	4.09	0.9289	-0.32	14	Pass
233	7115	0.1637	-7.86	4.09	0.4198	-3.77	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 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	0.6397	-1.94	4.76	1.914	2.82	14	Pass
93	6415	0.6442	-1.91	4.76	1.928	2.85	14	Pass
97	6435	0.6622	-1.79	4.29	1.778	2.5	14	Pass
113	6515	0.6855	-1.64	4.29	1.841	2.65	14	Pass
117	6535	0.6295	-2.01	4.61	1.82	2.6	14	Pass
181	6855	0.6934	-1.59	4.61	2.004	3.02	14	Pass
209	6995	0.7211	-1.42	4.09	1.849	2.67	14	Pass
233	7115	0.3443	-4.63	4.09	0.883	-0.54	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 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	1.291	1.11	4.76	3.863	5.87	14	Pass
93	6415	1.285	1.09	4.76	3.845	5.85	14	Pass
97	6435	1.403	1.47	4.29	3.768	5.76	14	Pass
113	6515	1.368	1.36	4.29	3.674	5.65	14	Pass
117	6535	1.213	0.84	4.61	3.506	5.45	14	Pass
181	6855	1.3	1.14	4.61	3.758	5.75	14	Pass
209	6995	1.422	1.53	4.09	3.647	5.62	14	Pass
233	7115	0.5662	-2.47	4.09	1.452	1.62	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 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	0.9099	-0.41	4.76	2.723	4.35	14	Pass
93	6415	0.9078	-0.42	4.76	2.716	4.34	14	Pass
97	6435	1.026	0.11	4.29	2.755	4.4	14	Pass
113	6515	0.9886	-0.05	4.29	2.655	4.24	14	Pass
117	6535	0.9886	-0.05	4.61	2.858	4.56	14	Pass
181	6855	0.984	-0.07	4.61	2.844	4.54	14	Pass
209	6995	0.9908	-0.04	4.09	2.541	4.05	14	Pass
233	7115	0.9977	-0.01	4.09	2.559	4.08	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 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	1.14	0.57	4.76	3.411	5.33	14	Pass
93	6415	1.109	0.45	4.76	3.318	5.21	14	Pass
97	6435	1.236	0.92	4.29	3.319	5.21	14	Pass
113	6515	1.213	0.84	4.29	3.257	5.13	14	Pass
117	6535	1.079	0.33	4.61	3.119	4.94	14	Pass
181	6855	1.156	0.63	4.61	3.342	5.24	14	Pass
209	6995	1.253	0.98	4.09	3.213	5.07	14	Pass
233	7115	1.285	1.09	4.09	3.295	5.18	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 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
7	5985	4.92	6.92	4.76	14.722	11.68	14	Pass
87	6385	4.645	6.67	4.76	13.899	11.43	14	Pass
103	6465	5.781	7.62	4.29	15.524	11.91	14	Pass
119	6545	5.188	7.15	4.61	14.997	11.76	14	Pass
183	6865	5.26	7.21	4.61	15.205	11.82	14	Pass
199	6945	5.984	7.77	4.09	15.346	11.86	14	Pass
215	7025	5.808	7.64	4.09	14.895	11.73	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 (EHT160) 996+484-tone MRU 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	7.603	8.81	4.76	22.75	13.57	14	Pass
79	6345	7.656	8.84	4.76	22.909	13.6	14	Pass
111	6505	8.61	9.35	4.29	23.121	13.64	14	Pass
143	6665	8.299	9.19	4.61	23.99	13.8	14	Pass
175	6825	8.472	9.28	4.61	24.49	13.89	14	Pass
207	6985	9.078	9.58	4.09	23.28	13.67	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 (EHT160) 996+484+242-tone MRU 1S1T

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	7.568	8.79	4.76	22.645	13.55	14	Pass
79	6345	8.11	9.09	4.76	24.267	13.85	14	Pass
111	6505	8.81	9.45	4.29	23.658	13.74	14	Pass
143	6665	8.337	9.21	4.61	24.1	13.82	14	Pass
175	6825	8.26	9.17	4.61	23.877	13.78	14	Pass
207	6985	9.016	9.55	4.09	23.121	13.64	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:	22°C, 60% RH	Tested By:	Henry Hsu
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802.11a 2TX

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	-3.75	-3.86	0.8328	-0.79	4.76	2.492	3.97	14	Pass
45	6175	-3.95	-3.51	0.8484	-0.71	4.76	2.539	4.05	14	Pass
93	6415	-3.71	-3.60	0.8621	-0.64	4.76	2.58	4.12	14	Pass
97	6435	-3.34	-2.81	0.987	-0.06	4.29	2.65	4.23	14	Pass
105	6475	-3.30	-2.99	0.9701	-0.13	4.29	2.605	4.16	14	Pass
113	6515	-2.91	-3.12	0.9992	0.00	4.29	2.683	4.29	14	Pass
117	6535	-3.54	-3.37	0.9028	-0.44	4.61	2.61	4.17	14	Pass
149	6695	-3.38	-3.81	0.8751	-0.58	4.61	2.53	4.03	14	Pass
181	6855	-3.36	-3.18	0.9422	-0.26	4.61	2.724	4.35	14	Pass
185	6875	-3.08	-2.79	1.0181	0.08	4.61	2.943	4.69	14	Pass
209	6995	-3.02	-3.20	0.9775	-0.10	4.09	2.507	3.99	14	Pass
233	7115	-3.19	-2.97	0.9844	-0.07	4.09	2.524	4.02	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							
1	5955	-0.21	-0.46	1.8523	2.68	4.76	5.543	7.44	14	Pass
45	6175	-0.52	-0.39	1.8013	2.56	4.76	5.39	7.32	14	Pass
93	6415	-0.46	-0.74	1.7428	2.41	4.76	5.215	7.17	14	Pass
97	6435	-0.43	-0.02	1.9011	2.79	4.29	5.105	7.08	14	Pass
105	6475	-0.19	0.03	1.9641	2.93	4.29	5.274	7.22	14	Pass
113	6515	0.14	-0.28	1.9703	2.95	4.29	5.291	7.24	14	Pass
117	6535	-0.08	-0.34	1.9064	2.80	4.61	5.511	7.41	14	Pass
149	6695	-0.29	-0.23	1.8838	2.75	4.61	5.445	7.36	14	Pass
181	6855	0.18	0.05	2.054	3.13	4.61	5.937	7.74	14	Pass
185	6875	-0.06	0.08	2.0049	3.02	4.61	5.796	7.63	14	Pass
209	6995	0.30	0.26	2.133	3.29	4.09	5.47	7.38	14	Pass
233	7115	0.32	0.43	2.181	3.39	4.09	5.593	7.48	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	2.34	2.25	3.393	5.31	4.76	10.153	10.07	14	Pass
43	6165	2.48	2.62	3.598	5.56	4.76	10.766	10.32	14	Pass
91	6405	2.29	2.61	3.518	5.46	4.76	10.527	10.22	14	Pass
99	6445	2.81	3.24	4.018	6.04	4.29	10.79	10.33	14	Pass
107	6485	2.78	3.07	3.924	5.94	4.29	10.537	10.23	14	Pass
115	6525	2.53	2.43	3.54	5.49	4.61	10.233	10.1	14	Pass
123	6565	2.66	2.34	3.559	5.51	4.61	10.288	10.12	14	Pass
155	6725	2.62	2.54	3.623	5.59	4.61	10.473	10.2	14	Pass
179	6845	2.78	2.76	3.785	5.78	4.61	10.941	10.39	14	Pass
187	6885	3.35	3.29	4.296	6.33	4.09	11.017	10.42	14	Pass
211	7005	2.86	2.61	3.756	5.75	4.09	9.632	9.84	14	Pass
227	7085	2.84	3.07	3.951	5.97	4.09	10.132	10.06	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	4.81	5.21	6.346	8.03	4.76	18.989	12.79	14	Pass
39	6145	4.72	5.31	6.361	8.04	4.76	19.034	12.8	14	Pass
87	6385	4.76	5.26	6.35	8.03	4.76	19.001	12.79	14	Pass
103	6465	5.20	5.82	7.131	8.53	4.29	19.149	12.82	14	Pass
119	6545	4.82	5.12	6.285	7.98	4.61	18.168	12.59	14	Pass
151	6705	4.73	4.80	5.992	7.78	4.61	17.321	12.39	14	Pass
183	6865	4.89	4.81	6.11	7.86	4.61	17.662	12.47	14	Pass
199	6945	5.74	5.56	7.347	8.66	4.09	18.841	12.75	14	Pass
215	7025	5.36	5.26	6.793	8.32	4.09	17.421	12.41	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 (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	5.68	5.86	7.553	8.78	4.76	22.601	13.54	14	Pass
47	6185	6.01	6.12	8.083	9.08	4.76	24.186	13.84	14	Pass
79	6345	5.88	6.22	8.061	9.06	4.76	24.121	13.82	14	Pass
111	6505	6.22	6.61	8.769	9.43	4.29	23.548	13.72	14	Pass
143	6665	5.96	5.84	7.782	8.91	4.61	22.495	13.52	14	Pass
175	6825	6.07	5.98	8.009	9.04	4.61	23.151	13.65	14	Pass
207	6985	6.47	6.24	8.643	9.37	4.09	22.165	13.46	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							
1	5955	-0.18	-0.42	1.8672	2.71	4.76	5.587	7.47	14	Pass
45	6175	-0.48	-0.36	1.8158	2.59	4.76	5.433	7.35	14	Pass
93	6415	-0.29	-0.55	1.8165	2.59	4.76	5.435	7.35	14	Pass
97	6435	-0.27	0.18	1.982	2.97	4.29	5.322	7.26	14	Pass
105	6475	-0.06	0.14	2.019	3.05	4.29	5.422	7.34	14	Pass
113	6515	0.27	-0.12	2.0369	3.09	4.29	5.47	7.38	14	Pass
117	6535	0.04	-0.15	1.9753	2.96	4.61	5.71	7.57	14	Pass
149	6695	-0.13	-0.09	1.95	2.90	4.61	5.637	7.51	14	Pass
181	6855	0.36	0.21	2.136	3.30	4.61	6.174	7.91	14	Pass
185	6875	0.09	0.19	2.066	3.15	4.61	5.972	7.76	14	Pass
209	6995	0.47	0.38	2.206	3.44	4.09	5.657	7.53	14	Pass
233	7115	0.44	0.58	2.25	3.52	4.09	5.77	7.61	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	2.47	2.35	3.484	5.42	4.76	10.425	10.18	14	Pass
43	6165	2.53	2.68	3.644	5.62	4.76	10.904	10.38	14	Pass
91	6405	2.43	2.73	3.625	5.59	4.76	10.847	10.35	14	Pass
99	6445	2.84	3.26	4.041	6.06	4.29	10.851	10.35	14	Pass
107	6485	2.95	3.24	4.081	6.11	4.29	10.959	10.4	14	Pass
115	6525	2.71	2.55	3.665	5.64	4.61	10.594	10.25	14	Pass
123	6565	2.84	2.47	3.689	5.67	4.61	10.664	10.28	14	Pass
155	6725	2.81	2.65	3.751	5.74	4.61	10.843	10.35	14	Pass
179	6845	2.98	2.94	3.954	5.97	4.61	11.43	10.58	14	Pass
187	6885	3.52	3.40	4.437	6.47	4.09	11.379	10.56	14	Pass
211	7005	3.04	2.73	3.889	5.90	4.09	9.973	9.99	14	Pass
227	7085	3.01	3.21	4.094	6.12	4.09	10.499	10.21	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 (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	4.86	5.29	6.443	8.09	4.76	19.279	12.85	14	Pass
39	6145	4.78	5.34	6.426	8.08	4.76	19.228	12.84	14	Pass
87	6385	4.81	5.36	6.462	8.10	4.76	19.336	12.86	14	Pass
103	6465	5.24	5.87	7.206	8.58	4.29	19.351	12.87	14	Pass
119	6545	4.92	5.31	6.501	8.13	4.61	18.792	12.74	14	Pass
151	6705	4.86	4.92	6.167	7.90	4.61	17.827	12.51	14	Pass
183	6865	5.05	4.91	6.296	7.99	4.61	18.2	12.6	14	Pass
199	6945	5.81	5.62	7.458	8.73	4.09	19.126	12.82	14	Pass
215	7025	5.47	5.43	7.015	8.46	4.09	17.99	12.55	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	5.78	6.03	7.793	8.92	4.76	23.319	13.68	14	Pass
47	6185	6.04	6.18	8.167	9.12	4.76	24.438	13.88	14	Pass
79	6345	6.00	6.41	8.356	9.22	4.76	25.003	13.98	14	Pass
111	6505	6.32	6.75	9.017	9.55	4.29	24.214	13.84	14	Pass
143	6665	6.16	5.96	8.075	9.07	4.61	23.342	13.68	14	Pass
175	6825	6.25	6.18	8.367	9.23	4.61	24.186	13.84	14	Pass
207	6985	6.59	6.39	8.915	9.50	4.09	22.862	13.59	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							
1	5955	-8.05	-8.09	0.3119	-5.06	4.76	0.9333	-0.3	14	Pass
93	6415	-8.14	-8.20	0.3048	-5.16	4.76	0.912	-0.4	14	Pass
97	6435	-7.95	-7.60	0.3341	-4.76	4.29	0.8972	-0.47	14	Pass
113	6515	-7.59	-7.88	0.3371	-4.72	4.29	0.9052	-0.43	14	Pass
117	6535	-7.85	-8.03	0.3215	-4.93	4.61	0.9294	-0.32	14	Pass
181	6855	-7.87	-7.92	0.3247	-4.89	4.61	0.9386	-0.28	14	Pass
209	6995	-7.54	-7.62	0.3492	-4.57	4.09	0.8955	-0.48	14	Pass
233	7115	-11.56	-11.64	0.13837	-8.59	4.09	0.3548	-4.5	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							
1	5955	-4.93	-5.07	0.6325	-1.99	4.76	1.893	2.77	14	Pass
93	6415	-5.57	-5.11	0.5857	-2.32	4.76	1.753	2.44	14	Pass
97	6435	-4.71	-4.30	0.7096	-1.49	4.29	1.906	2.8	14	Pass
113	6515	-4.41	-4.58	0.7106	-1.48	4.29	1.908	2.81	14	Pass
117	6535	-5.10	-4.82	0.6386	-1.95	4.61	1.846	2.66	14	Pass
181	6855	-5.10	-4.88	0.6341	-1.98	4.61	1.833	2.63	14	Pass
209	6995	-4.68	-4.59	0.6879	-1.62	4.09	1.764	2.47	14	Pass
233	7115	-8.43	-8.32	0.2908	-5.36	4.09	0.7458	-1.27	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							
1	5955	-1.86	-2.05	1.2754	1.06	4.76	3.816	5.82	14	Pass
93	6415	-2.03	-1.91	1.2708	1.04	4.76	3.803	5.8	14	Pass
97	6435	-2.04	-1.66	1.3075	1.16	4.29	3.511	5.45	14	Pass
113	6515	-1.92	-2.03	1.2693	1.04	4.29	3.409	5.33	14	Pass
117	6535	-1.92	-2.06	1.265	1.02	4.61	3.657	5.63	14	Pass
181	6855	-2.20	-2.15	1.2121	0.84	4.61	3.504	5.45	14	Pass
209	6995	-1.35	-1.59	1.4263	1.54	4.09	3.658	5.63	14	Pass
233	7115	-5.93	-5.84	0.5159	-2.87	4.09	1.323	1.22	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							
1	5955	-7.87	-7.91	0.3251	-4.88	4.76	0.9728	-0.12	14	Pass
93	6415	-7.95	-8.01	0.3184	-4.97	4.76	0.9527	-0.21	14	Pass
97	6435	-7.79	-7.44	0.3466	-4.60	4.29	0.9307	-0.31	14	Pass
113	6515	-7.46	-7.75	0.3474	-4.59	4.29	0.9329	-0.3	14	Pass
117	6535	-7.69	-7.87	0.3335	-4.77	4.61	0.964	-0.16	14	Pass
181	6855	-7.71	-7.76	0.3369	-4.72	4.61	0.9739	-0.11	14	Pass
209	6995	-7.40	-7.48	0.3606	-4.43	4.09	0.9248	-0.34	14	Pass
233	7115	-11.24	-11.12	0.15243	-8.17	4.09	0.3909	-4.08	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							
1	5955	-4.86	-5.02	0.6414	-1.93	4.76	1.919	2.83	14	Pass
93	6415	-5.43	-4.97	0.6048	-2.18	4.76	1.81	2.58	14	Pass
97	6435	-4.68	-4.26	0.7154	-1.45	4.29	1.921	2.84	14	Pass
113	6515	-4.36	-4.52	0.7196	-1.43	4.29	1.932	2.86	14	Pass
117	6535	-4.95	-4.67	0.6611	-1.80	4.61	1.911	2.81	14	Pass
181	6855	-4.98	-4.76	0.6519	-1.86	4.61	1.884	2.75	14	Pass
209	6995	-4.53	-4.44	0.7121	-1.47	4.09	1.826	2.62	14	Pass
233	7115	-8.26	-8.13	0.3031	-5.18	4.09	0.7773	-1.09	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							
1	5955	-1.82	-2.03	1.2843	1.09	4.76	3.843	5.85	14	Pass
93	6415	-2.01	-1.83	1.2857	1.09	4.76	3.847	5.85	14	Pass
97	6435	-1.90	-1.52	1.3503	1.30	4.29	3.626	5.59	14	Pass
113	6515	-1.79	-1.90	1.3079	1.17	4.29	3.512	5.46	14	Pass
117	6535	-1.89	-2.06	1.2694	1.04	4.61	3.669	5.65	14	Pass
181	6855	-2.09	-2.04	1.2432	0.95	4.61	3.594	5.56	14	Pass
209	6995	-1.37	-1.52	1.4342	1.57	4.09	3.678	5.66	14	Pass
233	7115	-5.81	-5.65	0.5347	-2.72	4.09	1.371	1.37	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							
1	5955	-3.32	-3.56	0.9061	-0.43	4.76	2.711	4.33	14	Pass
93	6415	-3.51	-3.43	0.8996	-0.46	4.76	2.692	4.3	14	Pass
97	6435	-4.03	-3.49	0.8431	-0.74	4.29	2.264	3.55	14	Pass
113	6515	-3.32	-3.63	0.8991	-0.46	4.29	2.414	3.83	14	Pass
117	6535	-3.66	-3.47	0.8803	-0.55	4.61	2.545	4.06	14	Pass
181	6855	-3.57	-3.61	0.8751	-0.58	4.61	2.53	4.03	14	Pass
209	6995	-3.45	-3.40	0.9089	-0.41	4.09	2.331	3.68	14	Pass
233	7115	-3.53	-3.35	0.906	-0.43	4.09	2.323	3.66	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							
1	5955	-2.34	-2.51	1.1445	0.59	4.76	3.425	5.35	14	Pass
93	6415	-2.38	-2.41	1.1522	0.62	4.76	3.448	5.38	14	Pass
97	6435	-2.55	-1.80	1.2166	0.85	4.29	3.267	5.14	14	Pass
113	6515	-2.23	-2.27	1.1913	0.76	4.29	3.199	5.05	14	Pass
117	6535	-2.69	-2.55	1.0942	0.39	4.61	3.163	5	14	Pass
181	6855	-2.54	-2.46	1.1247	0.51	4.61	3.251	5.12	14	Pass
209	6995	-1.94	-2.02	1.2678	1.03	4.09	3.251	5.12	14	Pass
233	7115	-5.46	-5.31	0.5789	-2.37	4.09	1.485	1.72	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 (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	3.98	4.11	5.077	7.06	4.76	15.192	11.82	14	Pass
87	6385	3.35	4.19	4.787	6.80	4.76	14.324	11.56	14	Pass
103	6465	3.75	4.88	5.447	7.36	4.29	14.627	11.65	14	Pass
119	6545	4.03	3.97	5.024	7.01	4.61	14.523	11.62	14	Pass
183	6865	4.30	4.28	5.371	7.30	4.61	15.526	11.91	14	Pass
199	6945	4.57	4.59	5.742	7.59	4.09	14.725	11.68	14	Pass
215	7025	4.21	4.58	5.507	7.41	4.09	14.123	11.5	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	5.71	6.07	7.77	8.90	4.76	23.25	13.66	14	Pass
79	6345	5.74	6.02	7.749	8.89	4.76	23.187	13.65	14	Pass
111	6505	6.29	6.63	8.859	9.47	4.29	23.789	13.76	14	Pass
143	6665	6.07	5.96	7.99	9.03	4.61	23.097	13.64	14	Pass
175	6825	6.14	5.90	8.002	9.03	4.61	23.131	13.64	14	Pass
207	6985	6.41	6.52	8.863	9.48	4.09	22.729	13.57	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	5.57	6.18	7.755	8.90	4.76	23.205	13.66	14	Pass
79	6345	5.62	6.35	7.963	9.01	4.76	23.827	13.77	14	Pass
111	6505	6.28	6.61	8.828	9.46	4.29	23.706	13.75	14	Pass
143	6665	6.13	5.81	7.913	8.98	4.61	22.874	13.59	14	Pass
175	6825	6.12	5.84	7.93	8.99	4.61	22.923	13.6	14	Pass
207	6985	6.45	6.47	8.852	9.47	4.09	22.701	13.56	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:	22°C, 60% RH	Tested By:	Henry Hsu
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Mode A

802.11a 1TX

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	-10.39	0.19	-10.20	4.76	-5.44	-5	Pass
45	6175	-9.99	0.19	-9.80	4.76	-5.04	-5	Pass
93	6415	-10.01	0.19	-9.82	4.76	-5.06	-5	Pass
97	6435	-9.61	0.19	-9.42	4.29	-5.13	-5	Pass
105	6475	-9.86	0.19	-9.67	4.29	-5.38	-5	Pass
113	6515	-9.66	0.19	-9.47	4.29	-5.18	-5	Pass
117	6535	-10.15	0.19	-9.96	4.61	-5.35	-5	Pass
149	6695	-10.15	0.19	-9.96	4.61	-5.35	-5	Pass
181	6855	-9.81	0.19	-9.62	4.61	-5.01	-5	Pass
185	6875	-9.97	0.19	-9.78	4.61	-5.17	-5	Pass
209	6995	-9.55	0.19	-9.36	4.09	-5.27	-5	Pass
233	7115	-9.6	0.19	-9.41	4.09	-5.32	-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) 1S1T

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	-10.08	4.76	-5.32	-5	Pass
45	6175	-10.11	4.76	-5.35	-5	Pass
93	6415	-10.15	4.76	-5.39	-5	Pass
97	6435	-9.70	4.29	-5.41	-5	Pass
105	6475	-9.69	4.29	-5.4	-5	Pass
113	6515	-9.75	4.29	-5.46	-5	Pass
117	6535	-9.74	4.61	-5.13	-5	Pass
149	6695	-9.76	4.61	-5.15	-5	Pass
181	6855	-10.00	4.61	-5.39	-5	Pass
185	6875	-9.70	4.61	-5.09	-5	Pass
209	6995	-9.24	4.09	-5.15	-5	Pass
233	7115	-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 (EHT40) 1S1T

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
3	5965	-9.99	4.76	-5.23	-5	Pass
43	6165	-9.78	4.76	-5.02	-5	Pass
91	6405	-9.97	4.76	-5.21	-5	Pass
99	6445	-9.30	4.29	-5.01	-5	Pass
107	6485	-9.63	4.29	-5.34	-5	Pass
115	6525	-9.63	4.61	-5.02	-5	Pass
123	6565	-10.04	4.61	-5.43	-5	Pass
155	6725	-10.06	4.61	-5.45	-5	Pass
179	6845	-9.71	4.61	-5.1	-5	Pass
187	6885	-9.31	4.09	-5.22	-5	Pass
211	7005	-9.41	4.09	-5.32	-5	Pass
227	7085	-9.24	4.09	-5.15	-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) 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
7	5985	-10.23	0.14	-10.09	4.76	-5.33	-5	Pass
39	6145	-10.17	0.14	-10.03	4.76	-5.27	-5	Pass
87	6385	-10.16	0.14	-10.02	4.76	-5.26	-5	Pass
103	6465	-9.56	0.14	-9.42	4.29	-5.13	-5	Pass
119	6545	-10.15	0.14	-10.01	4.61	-5.4	-5	Pass
151	6705	-10.07	0.14	-9.93	4.61	-5.32	-5	Pass
183	6865	-10.17	0.14	-10.03	4.61	-5.42	-5	Pass
199	6945	-9.71	0.14	-9.57	4.09	-5.48	-5	Pass
215	7025	-9.48	0.14	-9.34	4.09	-5.25	-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) 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
15	6025	-11.62	0.13	-11.49	4.76	-6.73	-5	Pass
47	6185	-11.85	0.13	-11.72	4.76	-6.96	-5	Pass
79	6345	-11.76	0.13	-11.63	4.76	-6.87	-5	Pass
111	6505	-11.28	0.13	-11.15	4.29	-6.86	-5	Pass
143	6665	-11.63	0.13	-11.50	4.61	-6.89	-5	Pass
175	6825	-11.71	0.13	-11.58	4.61	-6.97	-5	Pass
207	6985	-11.22	0.13	-11.09	4.09	-7	-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 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	-10.21	0.17	-10.04	4.76	-5.28	-5	Pass
93	6415	-10	0.17	-9.83	4.76	-5.07	-5	Pass
97	6435	-9.48	0.17	-9.31	4.29	-5.02	-5	Pass
113	6515	-9.71	0.17	-9.54	4.29	-5.25	-5	Pass
117	6535	-9.98	0.17	-9.81	4.61	-5.2	-5	Pass
181	6855	-9.96	0.17	-9.79	4.61	-5.18	-5	Pass
209	6995	-9.57	0.17	-9.40	4.09	-5.31	-5	Pass
233	7115	-12.4	0.17	-12.23	4.09	-8.14	-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 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	-10	0.22	-9.78	4.76	-5.02	-5	Pass
93	6415	-10.06	0.22	-9.84	4.76	-5.08	-5	Pass
97	6435	-9.72	0.22	-9.50	4.29	-5.21	-5	Pass
113	6515	-9.67	0.22	-9.45	4.29	-5.16	-5	Pass
117	6535	-10.16	0.22	-9.94	4.61	-5.33	-5	Pass
181	6855	-9.87	0.22	-9.65	4.61	-5.04	-5	Pass
209	6995	-9.32	0.22	-9.10	4.09	-5.01	-5	Pass
233	7115	-12.75	0.22	-12.53	4.09	-8.44	-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 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	-10.02	0.17	-9.85	4.76	-5.09	-5	Pass
93	6415	-9.98	0.17	-9.81	4.76	-5.05	-5	Pass
97	6435	-9.55	0.17	-9.38	4.29	-5.09	-5	Pass
113	6515	-9.55	0.17	-9.38	4.29	-5.09	-5	Pass
117	6535	-10.08	0.17	-9.91	4.61	-5.3	-5	Pass
181	6855	-9.96	0.17	-9.79	4.61	-5.18	-5	Pass
209	6995	-9.5	0.17	-9.33	4.09	-5.24	-5	Pass
233	7115	-12.71	0.17	-12.54	4.09	-8.45	-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 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	-10.29	0.21	-10.08	4.76	-5.32	-5	Pass
93	6415	-10.4	0.21	-10.19	4.76	-5.43	-5	Pass
97	6435	-9.94	0.21	-9.73	4.29	-5.44	-5	Pass
113	6515	-9.91	0.21	-9.70	4.29	-5.41	-5	Pass
117	6535	-9.9	0.21	-9.69	4.61	-5.08	-5	Pass
181	6855	-10.01	0.21	-9.80	4.61	-5.19	-5	Pass
209	6995	-9.74	0.21	-9.53	4.09	-5.44	-5	Pass
233	7115	-9.71	0.21	-9.50	4.09	-5.41	-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 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	-10.14	0.19	-9.95	4.76	-5.19	-5	Pass
93	6415	-10.04	0.19	-9.85	4.76	-5.09	-5	Pass
97	6435	-9.59	0.19	-9.40	4.29	-5.11	-5	Pass
113	6515	-9.59	0.19	-9.40	4.29	-5.11	-5	Pass
117	6535	-10.13	0.19	-9.94	4.61	-5.33	-5	Pass
181	6855	-10.26	0.19	-10.07	4.61	-5.46	-5	Pass
209	6995	-9.5	0.19	-9.31	4.09	-5.22	-5	Pass
233	7115	-9.51	0.19	-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 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
7	5985	-10.42	0.22	-10.20	4.76	-5.44	-5	Pass
87	6385	-10.11	0.22	-9.89	4.76	-5.13	-5	Pass
103	6465	-9.55	0.22	-9.33	4.29	-5.04	-5	Pass
119	6545	-9.92	0.22	-9.70	4.61	-5.09	-5	Pass
183	6865	-10.08	0.22	-9.86	4.61	-5.25	-5	Pass
199	6945	-9.67	0.22	-9.45	4.09	-5.36	-5	Pass
215	7025	-9.41	0.22	-9.19	4.09	-5.1	-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 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
15	6025	-11.17	0.24	-10.93	4.76	-6.17	-5	Pass
79	6345	-11.5	0.24	-11.26	4.76	-6.5	-5	Pass
111	6505	-10.65	0.24	-10.41	4.29	-6.12	-5	Pass
143	6665	-10.55	0.24	-10.31	4.61	-5.7	-5	Pass
175	6825	-10.67	0.24	-10.43	4.61	-5.82	-5	Pass
207	6985	-11.02	0.24	-10.78	4.09	-6.69	-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.

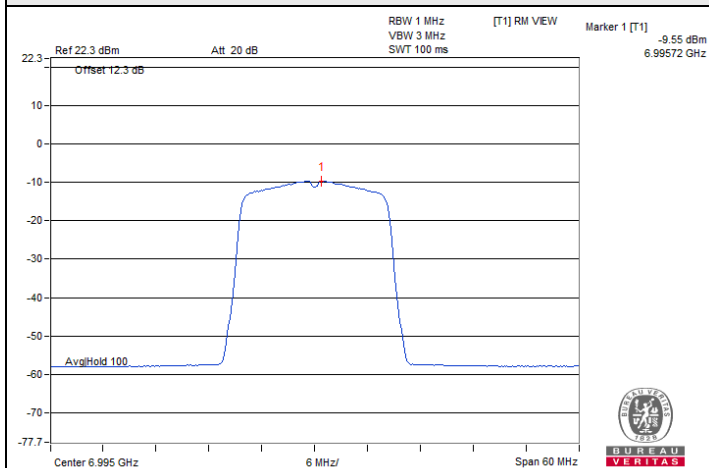
802.11be (EHT160) 996+484+242-tone MRU 1S1T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
15	6025	-11.69	0.26	-11.43	4.76	-6.67	-5	Pass
79	6345	-12.01	0.26	-11.75	4.76	-6.99	-5	Pass
111	6505	-11.22	0.26	-10.96	4.29	-6.67	-5	Pass
143	6665	-11.14	0.26	-10.88	4.61	-6.27	-5	Pass
175	6825	-11.97	0.26	-11.71	4.61	-7.1	-5	Pass
207	6985	-11.7	0.26	-11.44	4.09	-7.35	-5	Pass

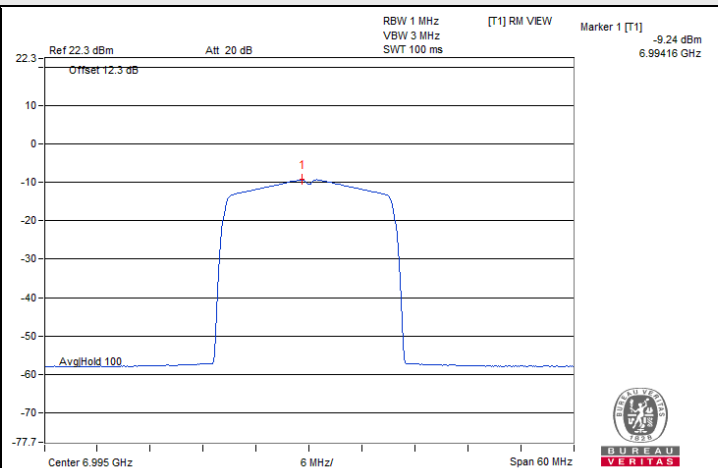
Notes:

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.

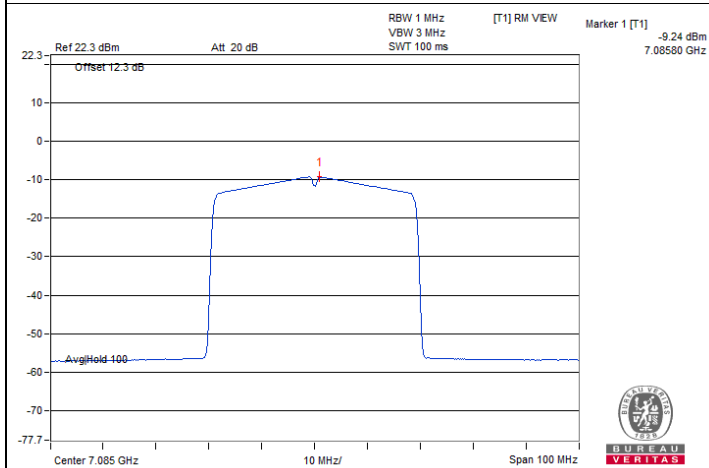
Spectrum Plot of Maximum Value



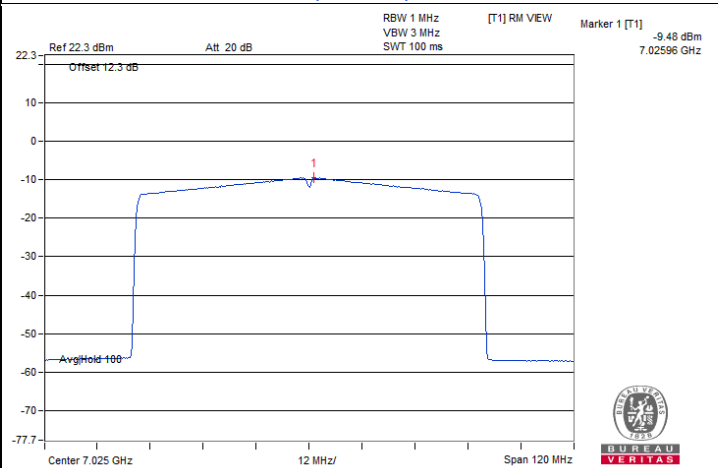
802.11a : CH 209



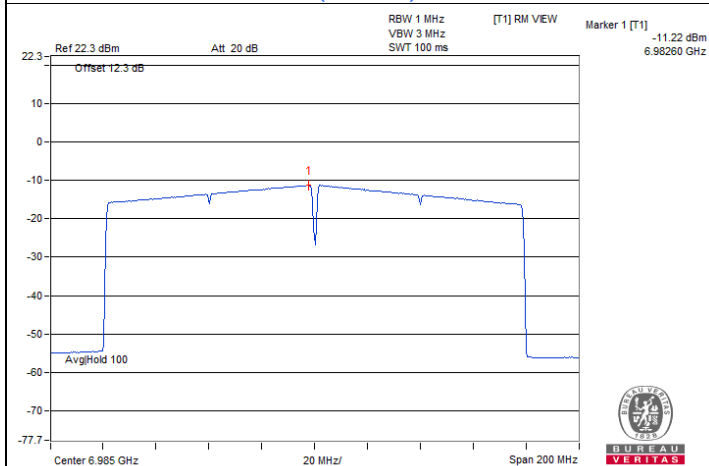
802.11be (EHT20) : CH 209



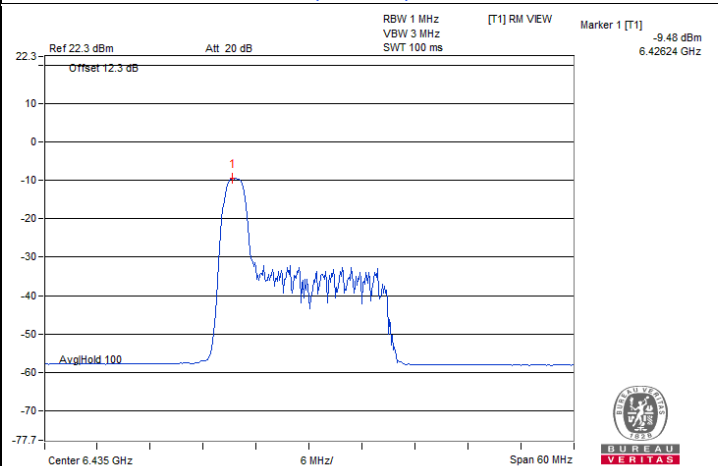
802.11be (EHT40) : CH 227



802.11be (EHT80) : CH 215

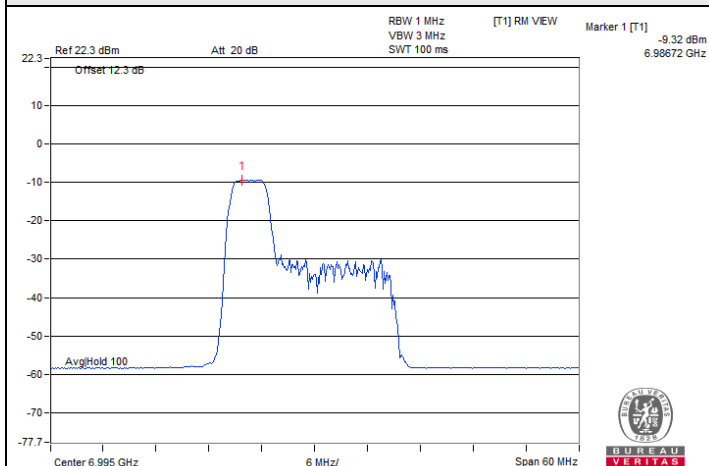


802.11be (EHT160) : CH 207

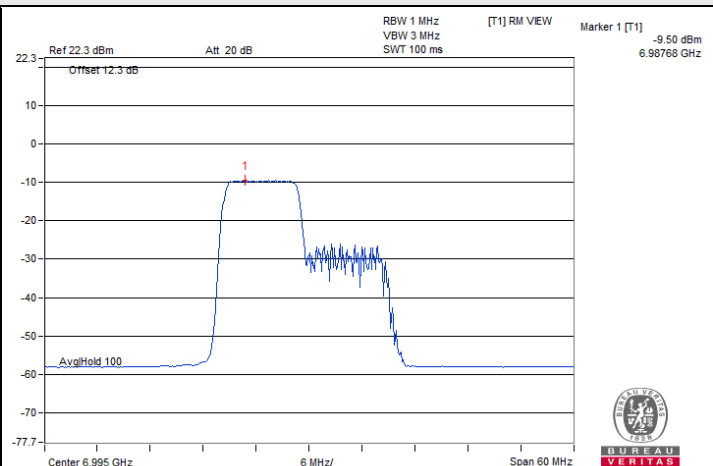


802.11be (EHT20) 26-tone RU : CH 97

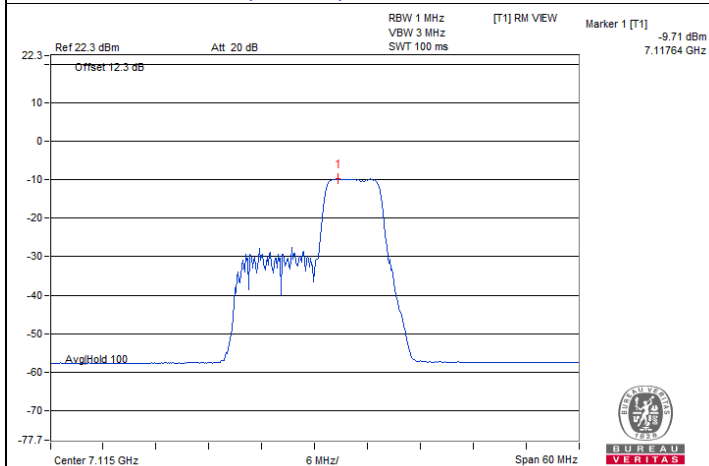
Spectrum Plot of Maximum Value



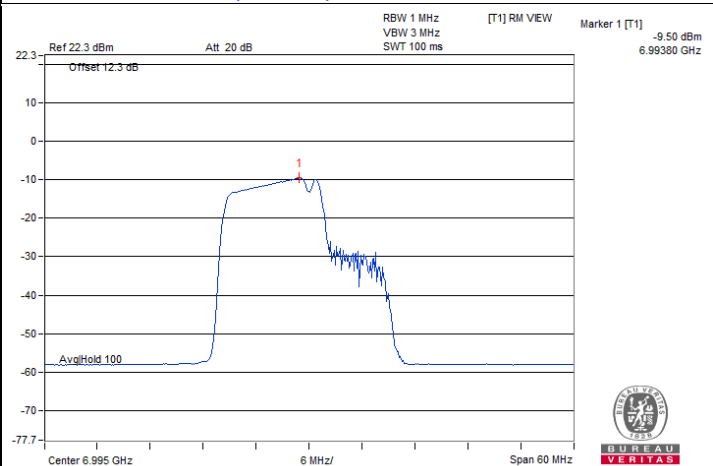
802.11be (EHT20) 52-tone RU : CH 209



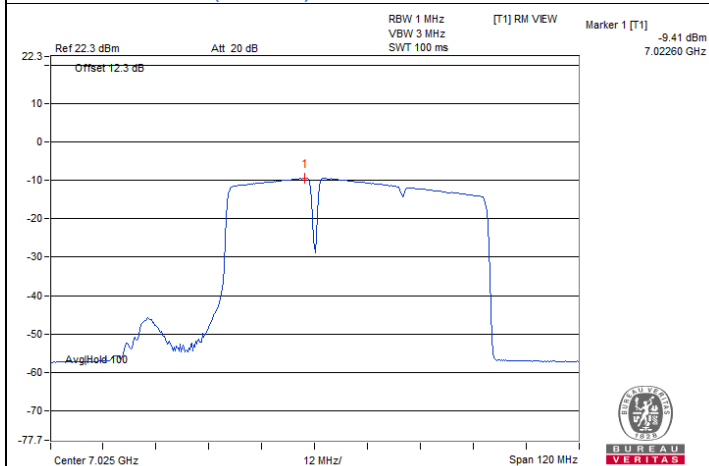
802.11be (EHT20) 106-tone RU : CH 209



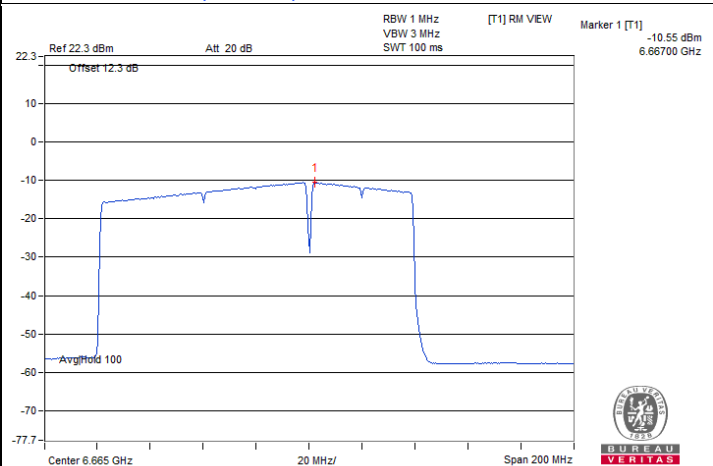
802.11be (EHT20) 52+26-tone MRU : CH 233



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

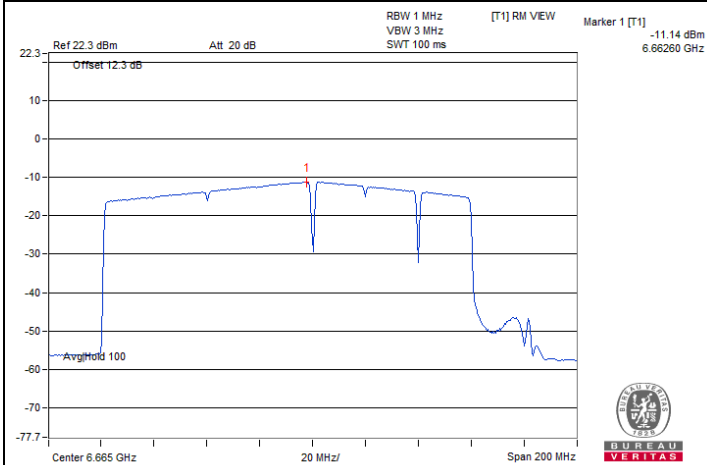


802.11be (EHT80) 484+242-tone MRU : CH 215



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

Spectrum Plot of Maximum Value



802.11be (EHT160) 996+484+242-tone MRU : CH 143

Input Power:	3.3 Vdc	Environmental Conditions:	22°C, 60% RH	Tested By:	Henry Hsu
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802.11a 2TX

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
1	5955	-16.02	-16.39	0.17	-13.02	7.77	-5.25	-5	Pass
45	6175	-16.24	-16.03	0.17	-12.95	7.77	-5.18	-5	Pass
93	6415	-16.16	-16.10	0.17	-12.95	7.77	-5.18	-5	Pass
97	6435	-15.89	-15.18	0.17	-12.34	7.30	-5.04	-5	Pass
105	6475	-15.48	-15.66	0.17	-12.39	7.30	-5.09	-5	Pass
113	6515	-15.51	-15.68	0.17	-12.41	7.30	-5.11	-5	Pass
117	6535	-16.11	-16.19	0.17	-12.97	7.62	-5.35	-5	Pass
149	6695	-16.53	-15.98	0.17	-13.07	7.62	-5.45	-5	Pass
181	6855	-16.08	-16.10	0.17	-12.91	7.62	-5.29	-5	Pass
185	6875	-15.91	-15.91	0.17	-12.73	7.62	-5.11	-5	Pass
209	6995	-15.62	-15.82	0.17	-12.54	7.10	-5.44	-5	Pass
233	7115	-15.75	-15.36	0.17	-12.37	7.10	-5.27	-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						
1	5955	-13.03	-13.54	0.11	-10.16	4.76	-5.4	-5	Pass
45	6175	-13.36	-13.19	0.11	-10.15	4.76	-5.39	-5	Pass
93	6415	-13.17	-13.27	0.11	-10.10	4.76	-5.34	-5	Pass
97	6435	-13.14	-12.18	0.11	-9.51	4.29	-5.22	-5	Pass
105	6475	-13.14	-12.45	0.11	-9.66	4.29	-5.37	-5	Pass
113	6515	-12.56	-13.07	0.11	-9.69	4.29	-5.4	-5	Pass
117	6535	-13.09	-13.10	0.11	-9.97	4.61	-5.36	-5	Pass
149	6695	-13.05	-12.99	0.11	-9.90	4.61	-5.29	-5	Pass
181	6855	-12.69	-12.97	0.11	-9.71	4.61	-5.1	-5	Pass
185	6875	-12.79	-12.80	0.11	-9.67	4.61	-5.06	-5	Pass
209	6995	-12.36	-12.46	0.11	-9.29	4.09	-5.2	-5	Pass
233	7115	-12.38	-12.38	0.11	-9.26	4.09	-5.17	-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	-12.96	-13.16	0.14	-9.91	4.76	-5.15	-5	Pass
43	6165	-13.13	-13.22	0.14	-10.02	4.76	-5.26	-5	Pass
91	6405	-13.17	-12.83	0.14	-9.85	4.76	-5.09	-5	Pass
99	6445	-13.15	-12.43	0.14	-9.62	4.29	-5.33	-5	Pass
107	6485	-12.77	-12.43	0.14	-9.45	4.29	-5.16	-5	Pass
115	6525	-12.69	-13.14	0.14	-9.76	4.61	-5.15	-5	Pass
123	6565	-12.88	-13.32	0.14	-9.94	4.61	-5.33	-5	Pass
155	6725	-12.74	-13.01	0.14	-9.72	4.61	-5.11	-5	Pass
179	6845	-12.91	-13.18	0.14	-9.89	4.61	-5.28	-5	Pass
187	6885	-12.18	-12.44	0.14	-9.16	4.09	-5.07	-5	Pass
211	7005	-12.64	-12.81	0.14	-9.57	4.09	-5.48	-5	Pass
227	7085	-12.52	-12.81	0.14	-9.51	4.09	-5.42	-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	-13.14	-13.07	0.2	-9.89	4.76	-5.13	-5	Pass
39	6145	-13.30	-13.13	0.2	-10.00	4.76	-5.24	-5	Pass
87	6385	-13.61	-13.17	0.2	-10.17	4.76	-5.41	-5	Pass
103	6465	-13.48	-12.18	0.2	-9.57	4.29	-5.28	-5	Pass
119	6545	-13.14	-12.93	0.2	-9.82	4.61	-5.21	-5	Pass
151	6705	-13.07	-12.72	0.2	-9.68	4.61	-5.07	-5	Pass
183	6865	-12.98	-13.51	0.2	-10.03	4.61	-5.42	-5	Pass
199	6945	-12.67	-12.58	0.2	-9.41	4.09	-5.32	-5	Pass
215	7025	-12.75	-12.24	0.2	-9.28	4.09	-5.19	-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	-13.85	-13.35	0.24	-10.34	4.76	-5.58	-5	Pass
47	6185	-13.76	-13.36	0.24	-10.31	4.76	-5.55	-5	Pass
79	6345	-13.48	-13.11	0.24	-10.04	4.76	-5.28	-5	Pass
111	6505	-12.92	-12.48	0.24	-9.44	4.29	-5.15	-5	Pass
143	6665	-13.43	-13.53	0.24	-10.23	4.61	-5.62	-5	Pass
175	6825	-13.37	-13.76	0.24	-10.31	4.61	-5.7	-5	Pass
207	6985	-13.37	-13.22	0.24	-10.04	4.09	-5.95	-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						
1	5955	-13.15	-13.53	0.34	-9.99	4.76	-5.23	-5	Pass
93	6415	-13.33	-13.69	0.34	-10.16	4.76	-5.4	-5	Pass
97	6435	-13.31	-12.73	0.34	-9.66	4.29	-5.37	-5	Pass
113	6515	-12.68	-13.13	0.34	-9.55	4.29	-5.26	-5	Pass
117	6535	-13.20	-13.57	0.34	-10.03	4.61	-5.42	-5	Pass
181	6855	-13.30	-13.49	0.34	-10.04	4.61	-5.43	-5	Pass
209	6995	-12.49	-12.62	0.34	-9.20	4.09	-5.11	-5	Pass
233	7115	-14.51	-14.85	0.34	-11.33	4.09	-7.24	-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) 52-tone RU 2S2T

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
1	5955	-13.43	-13.62	0.28	-10.23	4.76	-5.47	-5	Pass
93	6415	-13.61	-13.14	0.28	-10.08	4.76	-5.32	-5	Pass
97	6435	-13.25	-12.49	0.28	-9.56	4.29	-5.27	-5	Pass
113	6515	-13.07	-12.88	0.28	-9.68	4.29	-5.39	-5	Pass
117	6535	-13.45	-12.60	0.28	-9.71	4.61	-5.1	-5	Pass
181	6855	-13.38	-13.17	0.28	-9.98	4.61	-5.37	-5	Pass
209	6995	-12.47	-12.40	0.28	-9.14	4.09	-5.05	-5	Pass
233	7115	-15.09	-15.45	0.28	-11.98	4.09	-7.89	-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						
1	5955	-13.06	-13.38	0.3	-9.91	4.76	-5.15	-5	Pass
93	6415	-13.30	-13.21	0.3	-9.94	4.76	-5.18	-5	Pass
97	6435	-12.78	-12.61	0.3	-9.38	4.29	-5.09	-5	Pass
113	6515	-12.73	-12.85	0.3	-9.48	4.29	-5.19	-5	Pass
117	6535	-13.17	-13.47	0.3	-10.01	4.61	-5.4	-5	Pass
181	6855	-13.27	-13.38	0.3	-10.01	4.61	-5.4	-5	Pass
209	6995	-12.44	-12.57	0.3	-9.19	4.09	-5.1	-5	Pass
233	7115	-15.98	-16.15	0.3	-12.75	4.09	-8.66	-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						
1	5955	-12.97	-13.49	0.29	-9.92	4.76	-5.16	-5	Pass
93	6415	-13.68	-13.40	0.29	-10.24	4.76	-5.48	-5	Pass
97	6435	-13.09	-12.68	0.29	-9.58	4.29	-5.29	-5	Pass
113	6515	-12.67	-12.72	0.29	-9.39	4.29	-5.1	-5	Pass
117	6535	-13.36	-12.85	0.29	-9.80	4.61	-5.19	-5	Pass
181	6855	-13.15	-13.31	0.29	-9.93	4.61	-5.32	-5	Pass
209	6995	-12.64	-12.63	0.29	-9.33	4.09	-5.24	-5	Pass
233	7115	-12.73	-12.62	0.29	-9.37	4.09	-5.28	-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						
1	5955	-13.05	-13.54	0.29	-9.99	4.76	-5.23	-5	Pass
93	6415	-13.33	-13.49	0.29	-10.11	4.76	-5.35	-5	Pass
97	6435	-12.82	-12.44	0.29	-9.33	4.29	-5.04	-5	Pass
113	6515	-12.61	-12.62	0.29	-9.31	4.29	-5.02	-5	Pass
117	6535	-13.15	-12.86	0.29	-9.70	4.61	-5.09	-5	Pass
181	6855	-13.20	-13.09	0.29	-9.84	4.61	-5.23	-5	Pass
209	6995	-12.66	-12.84	0.29	-9.45	4.09	-5.36	-5	Pass
233	7115	-15.14	-15.41	0.29	-11.97	4.09	-7.88	-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	-13.34	-13.14	0.36	-9.87	4.76	-5.11	-5	Pass
87	6385	-13.56	-12.98	0.36	-9.89	4.76	-5.13	-5	Pass
103	6465	-13.10	-12.29	0.36	-9.31	4.29	-5.02	-5	Pass
119	6545	-13.17	-13.30	0.36	-9.86	4.61	-5.25	-5	Pass
183	6865	-12.98	-13.16	0.36	-9.70	4.61	-5.09	-5	Pass
199	6945	-12.61	-12.90	0.36	-9.38	4.09	-5.29	-5	Pass
215	7025	-12.79	-12.76	0.36	-9.40	4.09	-5.31	-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	-14.70	-14.53	0.36	-11.24	4.76	-6.48	-5	Pass
79	6345	-14.47	-14.01	0.36	-10.86	4.76	-6.1	-5	Pass
111	6505	-13.70	-13.14	0.36	-10.04	4.29	-5.75	-5	Pass
143	6665	-14.06	-14.06	0.36	-10.69	4.61	-6.08	-5	Pass
175	6825	-14.36	-15.01	0.36	-11.30	4.61	-6.69	-5	Pass
207	6985	-14.48	-14.29	0.36	-11.01	4.09	-6.92	-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.

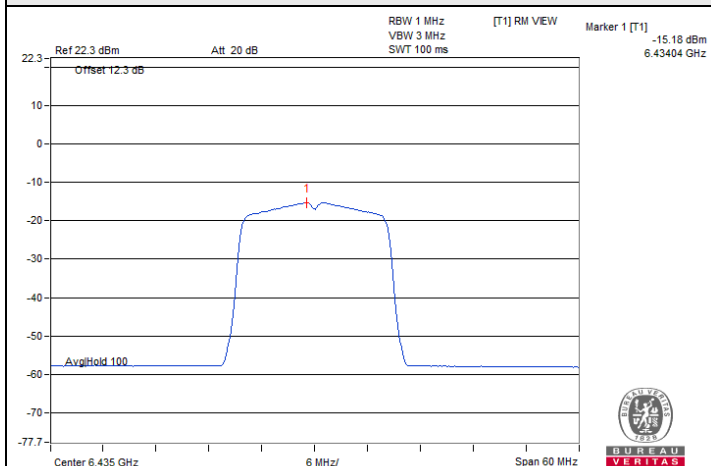
802.11be (EHT160) 996+484+242-tone MRU 2S2T

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	-15.09	-14.88	0.35	-11.62	4.76	-6.86	-5	Pass
79	6345	-15.34	-14.45	0.35	-11.51	4.76	-6.75	-5	Pass
111	6505	-14.46	-13.87	0.35	-10.79	4.29	-6.5	-5	Pass
143	6665	-14.49	-14.68	0.35	-11.22	4.61	-6.61	-5	Pass
175	6825	-15.40	-15.26	0.35	-11.97	4.61	-7.36	-5	Pass
207	6985	-15.01	-14.76	0.35	-11.52	4.09	-7.43	-5	Pass

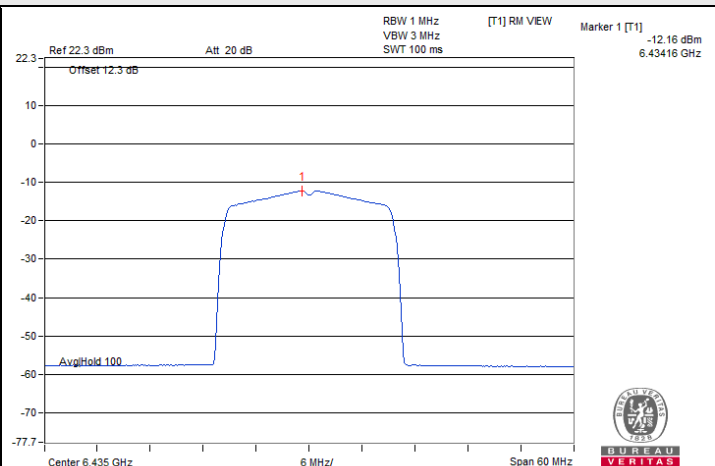
Notes:

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.

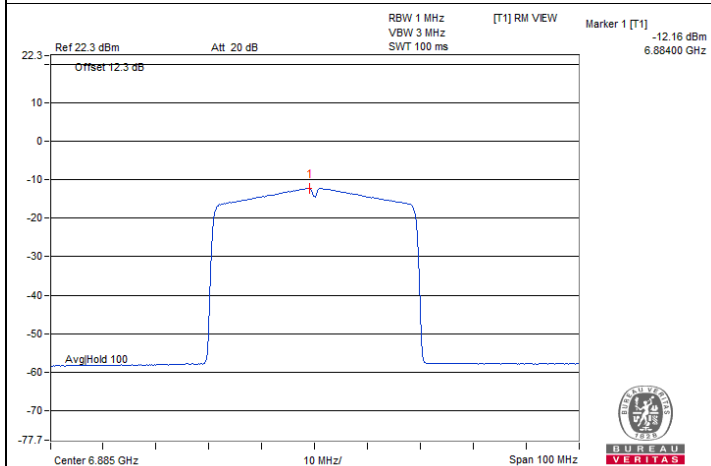
Spectrum Plot of Maximum Value



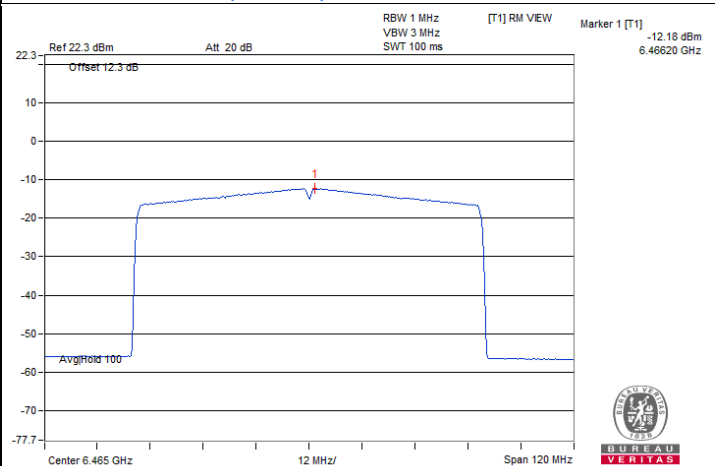
802.11a 1S2T / Chain 1 : CH 97



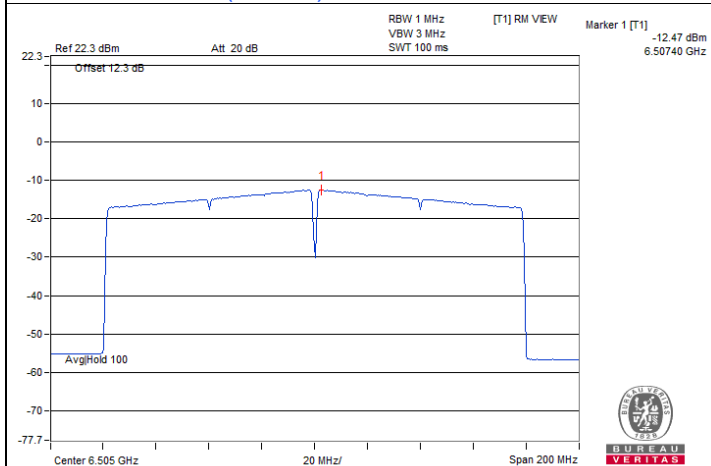
802.11be (EHT20) 2S2T / Chain 1 : CH 97



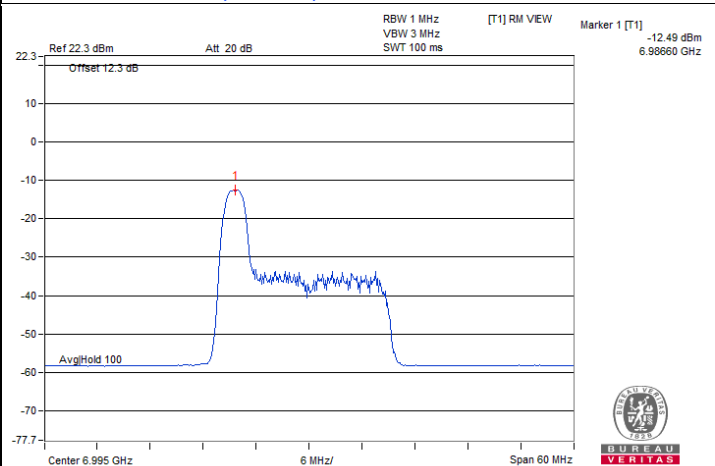
802.11be (EHT40) 2S2T / Chain 0 : CH 187



802.11be (EHT80) 2S2T / Chain 1 : CH 103

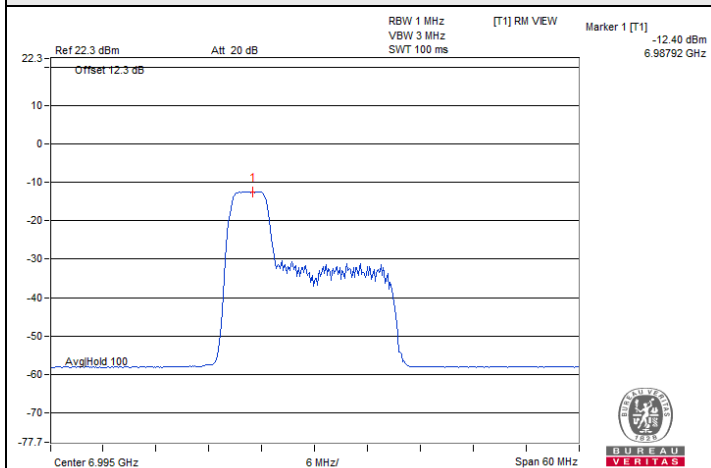


802.11be (EHT160) 2S2T / Chain 1 : CH 111

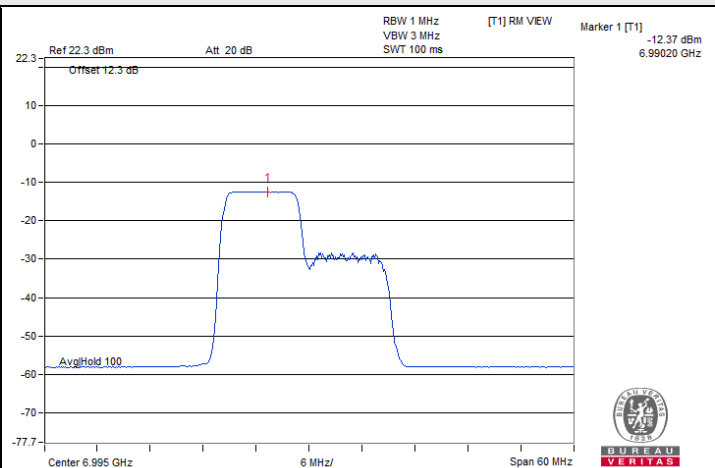


802.11be (EHT20) 26-tone RU 2S2T / Chain 0 : CH 209

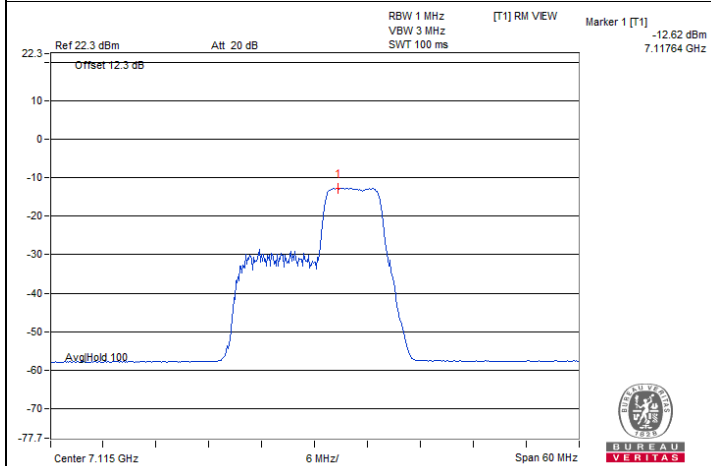
Spectrum Plot of Maximum Value



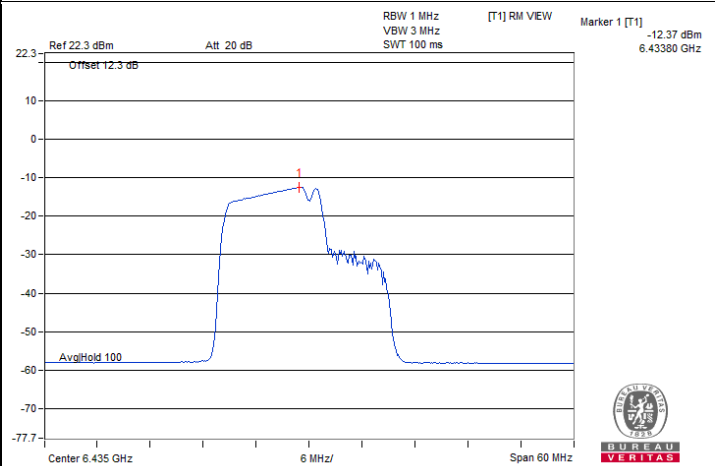
802.11be (EHT20) 52-tone RU 2S2T / Chain 1 : CH 209



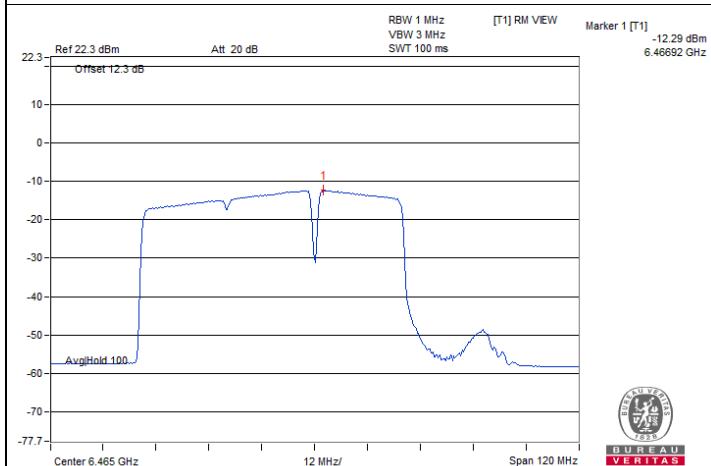
802.11be (EHT20) 106-tone RU 2S2T / Chain 0 : CH 209



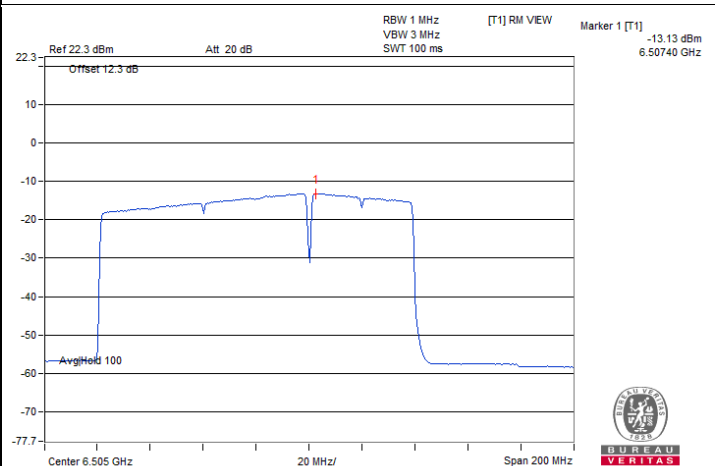
802.11be (EHT20) 52+26-tone MRU 2S2T /
Chain 1 : CH 233



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

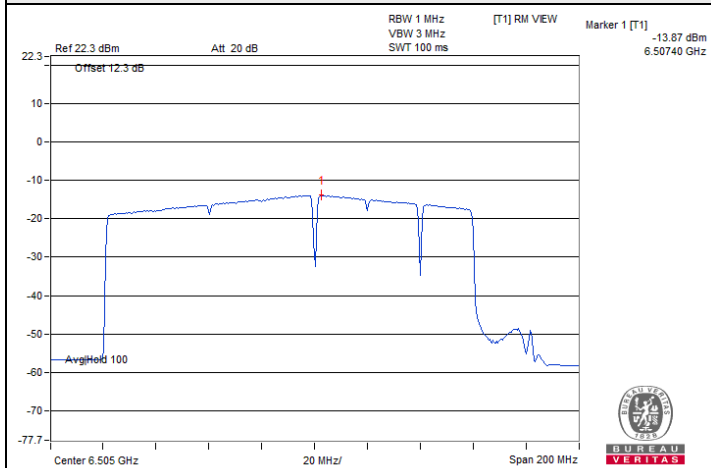


802.11be (EHT80) 484+242-tone MRU 2S2T /
Chain 1 : CH 103



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

Spectrum Plot of Maximum Value



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

7.3 Emission Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	22°C, 60% RH	Tested By:	Henry Hsu
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Mode A

802.11a 1TX

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	18.18	320	Pass
45	6175	18.09	320	Pass
93	6415	18.28	320	Pass
97	6435	18.1	320	Pass
105	6475	18.03	320	Pass
113	6515	18.01	320	Pass
117	6535	18.02	320	Pass
149	6695	17.98	320	Pass
181	6855	18.03	320	Pass
185	6875	18.09	320	Pass
209	6995	18.05	320	Pass
233	7115	18.04	320	Pass

802.11be (EHT20) 1S1T

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	19.83	320	Pass
45	6175	19.83	320	Pass
93	6415	19.79	320	Pass
97	6435	19.83	320	Pass
105	6475	19.84	320	Pass
113	6515	19.84	320	Pass
117	6535	19.75	320	Pass
149	6695	19.81	320	Pass
181	6855	19.74	320	Pass
185	6875	19.75	320	Pass
209	6995	19.77	320	Pass
233	7115	19.86	320	Pass

802.11be (EHT40) 1S1T

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
3	5965	39.43	320	Pass
43	6165	39.37	320	Pass
91	6405	39.36	320	Pass
99	6445	39.43	320	Pass
107	6485	39.23	320	Pass
115	6525	39.38	320	Pass
123	6565	39.36	320	Pass
155	6725	39.33	320	Pass
179	6845	39.51	320	Pass
187	6885	39.39	320	Pass
211	7005	39.4	320	Pass
227	7085	39.48	320	Pass

802.11be (EHT80) 1S1T

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
7	5985	79.88	320	Pass
39	6145	79.96	320	Pass
87	6385	79.91	320	Pass
103	6465	79.82	320	Pass
119	6545	80.02	320	Pass
151	6705	80	320	Pass
183	6865	79.91	320	Pass
199	6945	80.05	320	Pass
215	7025	79.84	320	Pass

802.11be (EHT160) 1S1T

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
15	6025	161.21	320	Pass
47	6185	161.39	320	Pass
79	6345	161.35	320	Pass
111	6505	161.39	320	Pass
143	6665	161.32	320	Pass
175	6825	161.33	320	Pass
207	6985	161.41	320	Pass

802.11be (EHT20) 26-tone RU 1S1T

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	19.39	320	Pass
93	6415	19.4	320	Pass
97	6435	19.53	320	Pass
113	6515	19.36	320	Pass
117	6535	19.49	320	Pass
181	6855	19.46	320	Pass
209	6995	19.66	320	Pass
233	7115	19.44	320	Pass

802.11be (EHT20) 52-tone RU 1S1T

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	19.7	320	Pass
93	6415	19.56	320	Pass
97	6435	19.78	320	Pass
113	6515	19.51	320	Pass
117	6535	19.63	320	Pass
181	6855	19.46	320	Pass
209	6995	19.69	320	Pass
233	7115	19.46	320	Pass

802.11be (EHT20) 106-tone RU 1S1T

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	19.93	320	Pass
93	6415	19.8	320	Pass
97	6435	19.93	320	Pass
113	6515	19.89	320	Pass
117	6535	19.84	320	Pass
181	6855	19.87	320	Pass
209	6995	19.89	320	Pass
233	7115	19.88	320	Pass

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

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	18.86	320	Pass
93	6415	18.56	320	Pass
97	6435	19.07	320	Pass
113	6515	18.67	320	Pass
117	6535	18.9	320	Pass
181	6855	18.57	320	Pass
209	6995	19.04	320	Pass
233	7115	18.63	320	Pass

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

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	19.57	320	Pass
93	6415	19.43	320	Pass
97	6435	19.78	320	Pass
113	6515	19.54	320	Pass
117	6535	19.75	320	Pass
181	6855	19.49	320	Pass
209	6995	19.49	320	Pass
233	7115	19.49	320	Pass

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

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
7	5985	78.3	320	Pass
87	6385	78.17	320	Pass
103	6465	78.18	320	Pass
119	6545	77.42	320	Pass
183	6865	77.73	320	Pass
199	6945	78.53	320	Pass
215	7025	77.7	320	Pass

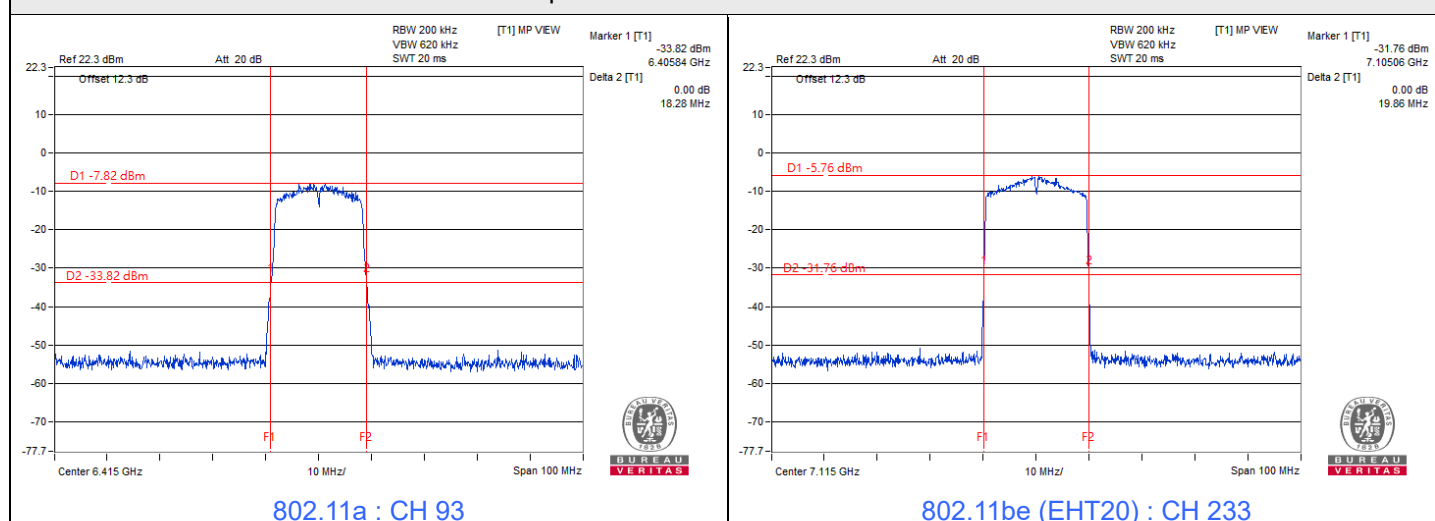
802.11be (EHT160) 996+484-tone MRU 1S1T

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
15	6025	121.73	320	Pass
79	6345	121.63	320	Pass
111	6505	121.35	320	Pass
143	6665	121.68	320	Pass
175	6825	121.74	320	Pass
207	6985	121.62	320	Pass

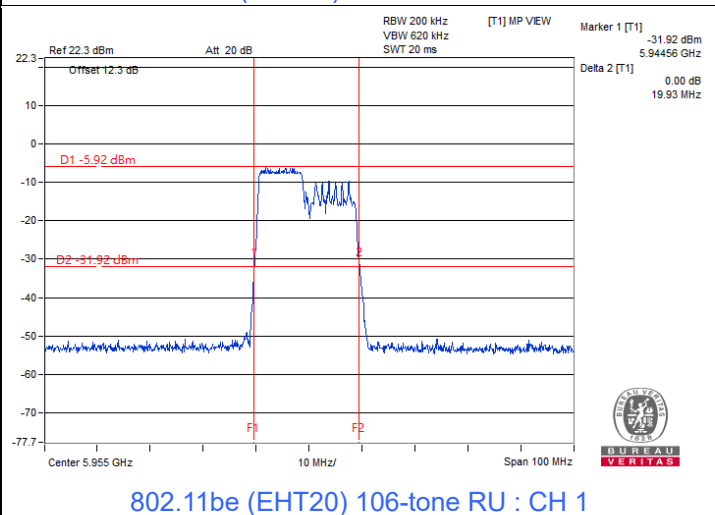
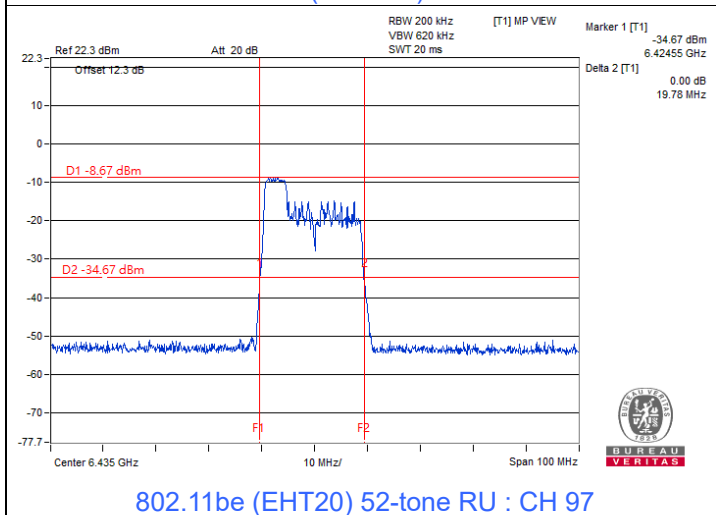
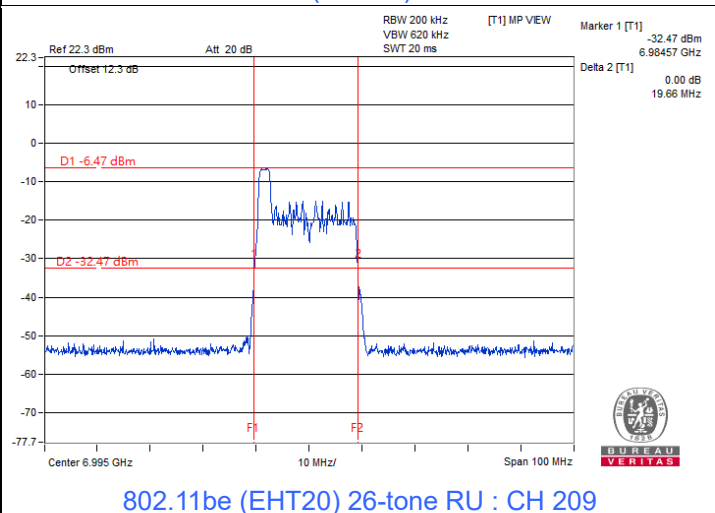
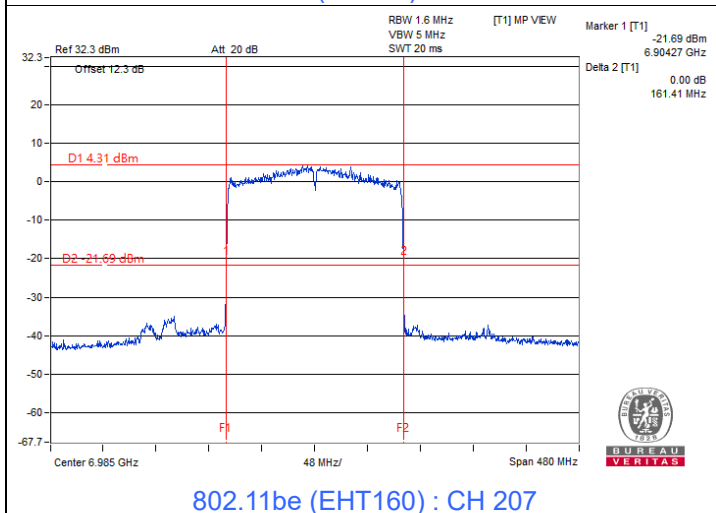
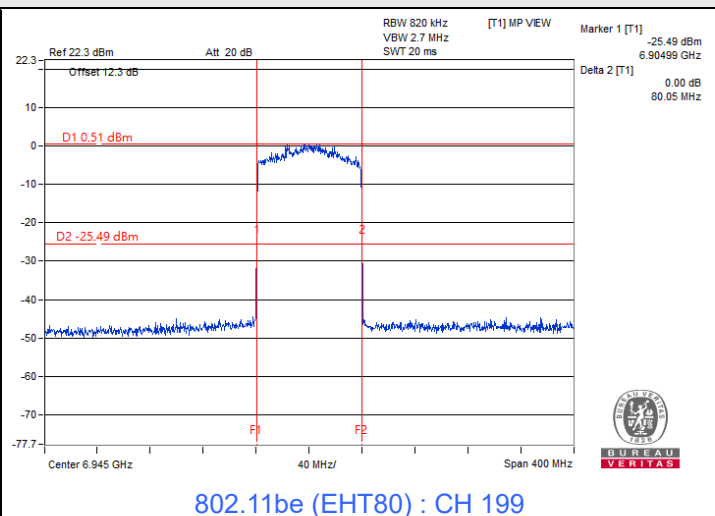
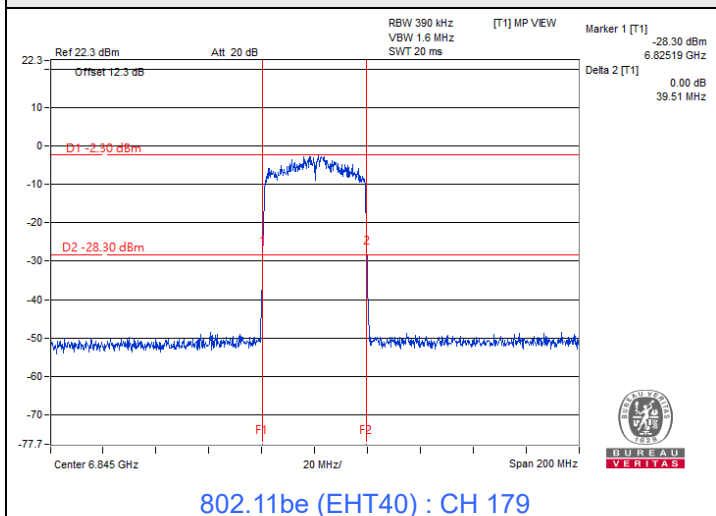
802.11be (EHT160) 996+484+242-tone MRU 1S1T

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
15	6025	160.6	320	Pass
79	6345	160.26	320	Pass
111	6505	159.31	320	Pass
143	6665	160.13	320	Pass
175	6825	159.81	320	Pass
207	6985	160.04	320	Pass

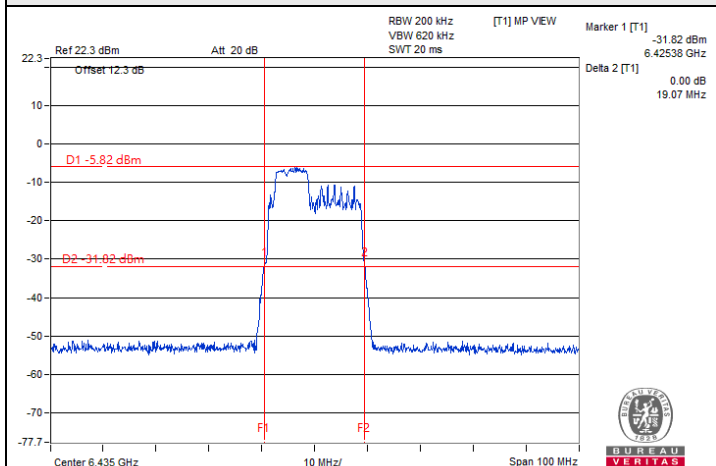
Spectrum Plot of Maximum Value



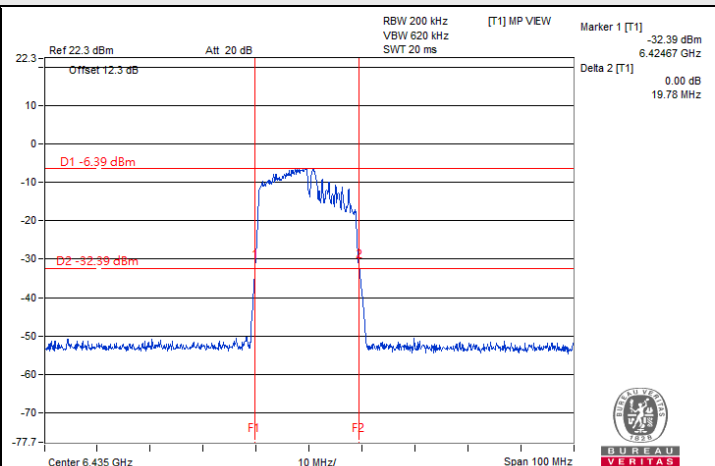
Spectrum Plot of Maximum Value



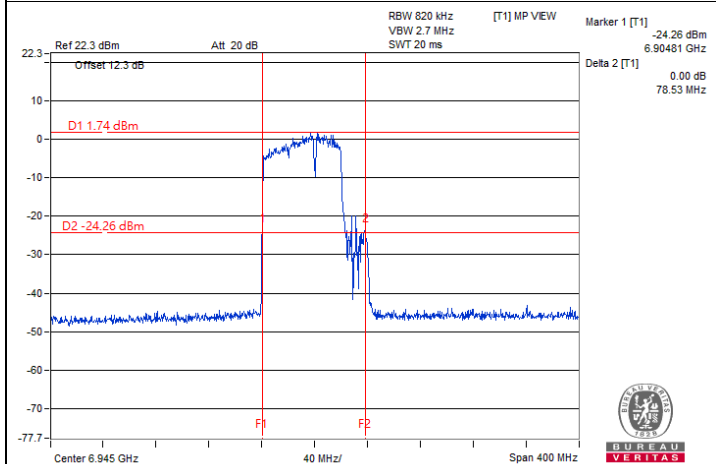
Spectrum Plot of Maximum Value



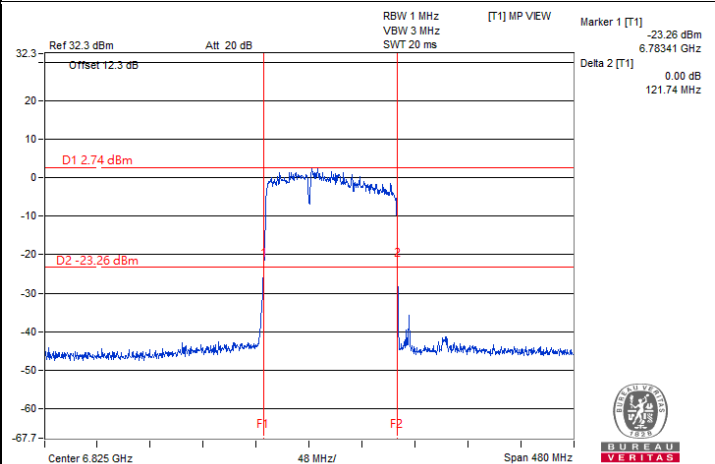
802.11be (EHT20) 52+26-tone MRU : CH 97



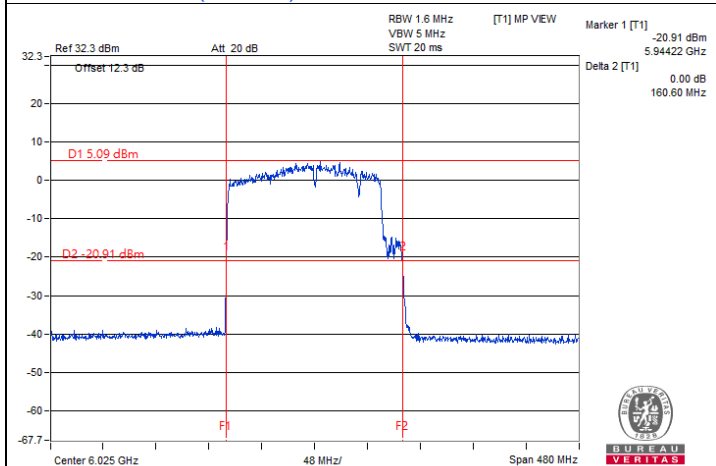
802.11be (EHT20) 106+26-tone MRU : CH 97



802.11be (EHT80) 484+242-tone MRU : CH 199



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



802.11be (EHT160) 996+484+242-tone MRU : CH 15

Input Power:	3.3 Vdc	Environmental Conditions:	22°C, 60% RH	Tested By:	Henry Hsu
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802.11a 2TX

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	18.01	18.05	320	Pass
45	6175	18.12	18.03	320	Pass
93	6415	18.18	18.05	320	Pass
97	6435	18.02	18.02	320	Pass
105	6475	18.10	18.13	320	Pass
113	6515	18.18	18.07	320	Pass
117	6535	18.03	18.00	320	Pass
149	6695	18.26	18.13	320	Pass
181	6855	18.16	18.17	320	Pass
185	6875	18.09	18.16	320	Pass
209	6995	18.17	18.00	320	Pass
233	7115	18.13	17.94	320	Pass

802.11be (EHT20) 2S2T

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	19.85	19.79	320	Pass
45	6175	19.76	19.78	320	Pass
93	6415	19.81	19.80	320	Pass
97	6435	19.83	19.83	320	Pass
105	6475	19.77	19.75	320	Pass
113	6515	19.80	19.78	320	Pass
117	6535	19.79	19.78	320	Pass
149	6695	19.81	19.75	320	Pass
181	6855	19.82	19.78	320	Pass
185	6875	19.80	19.76	320	Pass
209	6995	19.82	19.73	320	Pass
233	7115	19.73	19.68	320	Pass

802.11be (EHT40) 2S2T

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
3	5965	39.44	39.33	320	Pass
43	6165	39.46	39.39	320	Pass
91	6405	39.37	39.31	320	Pass
99	6445	39.59	39.41	320	Pass
107	6485	39.52	39.33	320	Pass
115	6525	39.41	39.31	320	Pass
123	6565	39.46	39.35	320	Pass
155	6725	39.44	39.33	320	Pass
179	6845	39.35	39.48	320	Pass
187	6885	39.37	39.46	320	Pass
211	7005	39.39	39.42	320	Pass
227	7085	39.30	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	79.98	80.06	320	Pass
39	6145	79.90	79.99	320	Pass
87	6385	79.95	79.98	320	Pass
103	6465	79.95	80.02	320	Pass
119	6545	79.89	79.91	320	Pass
151	6705	80.00	79.93	320	Pass
183	6865	79.94	79.90	320	Pass
199	6945	80.01	79.97	320	Pass
215	7025	79.90	79.97	320	Pass

802.11be (EHT160) 2S2T

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	161.31	161.43	320	Pass
47	6185	161.36	161.38	320	Pass
79	6345	161.47	161.42	320	Pass
111	6505	161.44	161.27	320	Pass
143	6665	161.36	161.39	320	Pass
175	6825	161.44	161.36	320	Pass
207	6985	161.35	161.37	320	Pass

802.11be (EHT20) 26-tone RU 2S2T

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	19.42	19.61	320	Pass
93	6415	19.33	19.38	320	Pass
97	6435	19.60	19.47	320	Pass
113	6515	19.49	19.41	320	Pass
117	6535	19.54	19.35	320	Pass
181	6855	19.37	19.38	320	Pass
209	6995	19.52	19.49	320	Pass
233	7115	19.45	19.44	320	Pass

802.11be (EHT20) 52-tone RU 2S2T

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	19.66	19.52	320	Pass
93	6415	19.61	19.28	320	Pass
97	6435	19.64	19.47	320	Pass
113	6515	19.73	19.37	320	Pass
117	6535	19.65	19.53	320	Pass
181	6855	19.83	19.41	320	Pass
209	6995	19.62	19.58	320	Pass
233	7115	19.65	19.35	320	Pass

802.11be (EHT20) 106-tone RU 2S2T

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	20.11	19.66	320	Pass
93	6415	19.46	19.76	320	Pass
97	6435	20.17	19.64	320	Pass
113	6515	19.79	19.81	320	Pass
117	6535	20.05	19.67	320	Pass
181	6855	19.79	19.45	320	Pass
209	6995	19.86	19.64	320	Pass
233	7115	19.79	19.55	320	Pass

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

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	18.89	18.62	320	Pass
93	6415	19.17	18.67	320	Pass
97	6435	18.70	18.46	320	Pass
113	6515	18.90	18.62	320	Pass
117	6535	19.15	18.76	320	Pass
181	6855	19.09	18.60	320	Pass
209	6995	18.98	18.60	320	Pass
233	7115	18.69	18.74	320	Pass

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

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	19.63	19.49	320	Pass
93	6415	19.40	19.32	320	Pass
97	6435	19.48	19.36	320	Pass
113	6515	19.37	19.24	320	Pass
117	6535	19.55	19.32	320	Pass
181	6855	19.35	19.38	320	Pass
209	6995	19.72	19.36	320	Pass
233	7115	19.31	19.29	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	77.81	76.45	320	Pass
87	6385	79.07	79.23	320	Pass
103	6465	77.65	77.91	320	Pass
119	6545	78.71	78.61	320	Pass
183	6865	79.27	76.55	320	Pass
199	6945	78.37	78.56	320	Pass
215	7025	78.49	75.78	320	Pass

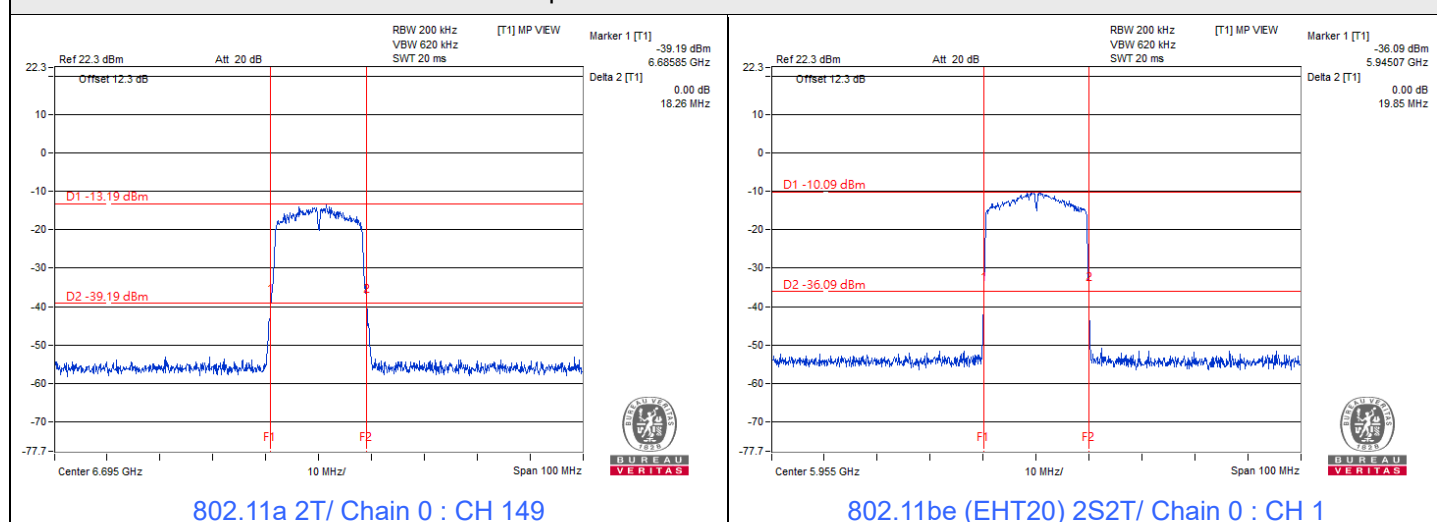
802.11be (EHT160) 996+484-tone MRU 2S2T

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	121.69	121.06	320	Pass
79	6345	121.04	121.71	320	Pass
111	6505	121.65	121.62	320	Pass
143	6665	122.57	121.46	320	Pass
175	6825	121.26	121.67	320	Pass
207	6985	121.72	121.64	320	Pass

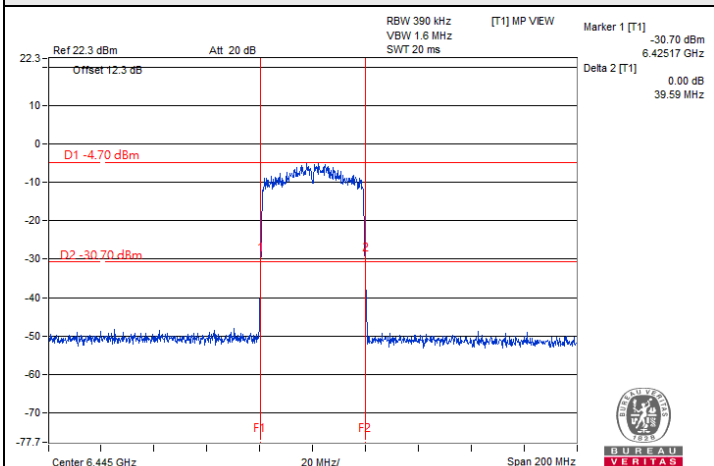
802.11be (EHT160) 996+484+242-tone MRU 2S2T

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	160.15	159.51	320	Pass
79	6345	160.30	159.49	320	Pass
111	6505	160.05	159.48	320	Pass
143	6665	159.31	160.13	320	Pass
175	6825	160.27	159.84	320	Pass
207	6985	160.29	159.76	320	Pass

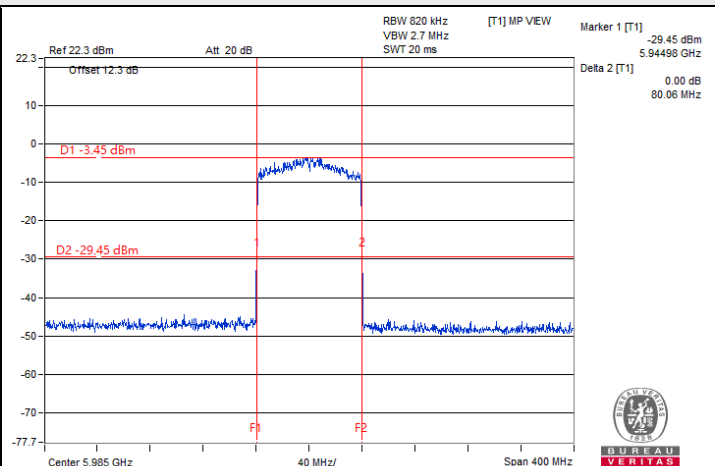
Spectrum Plot of Maximum Value



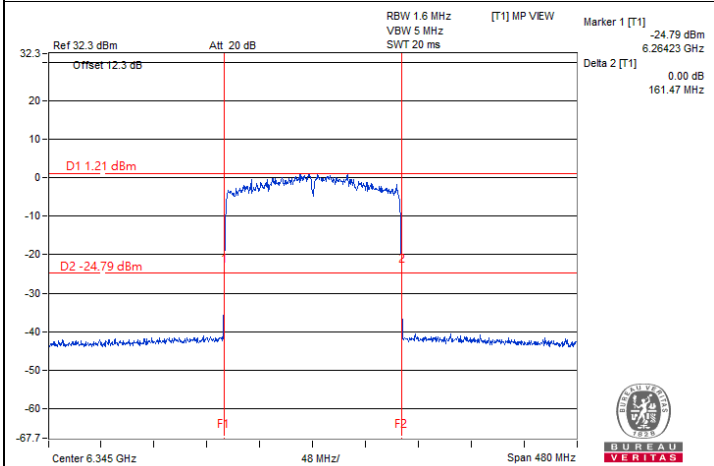
Spectrum Plot of Maximum Value



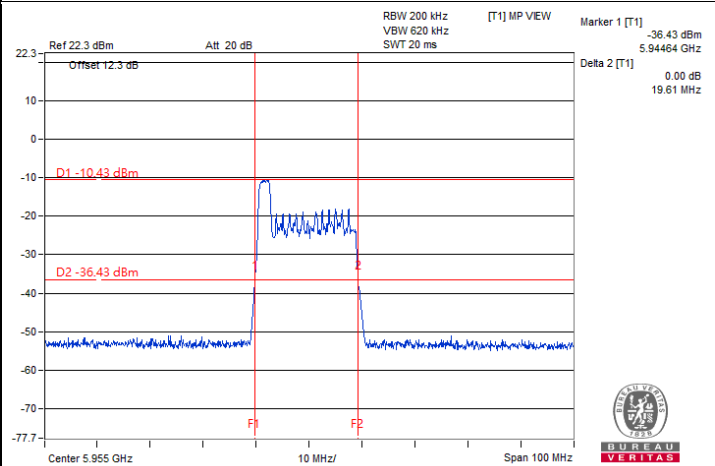
802.11be (EHT40) 2S2T/ Chain 0 : CH 99



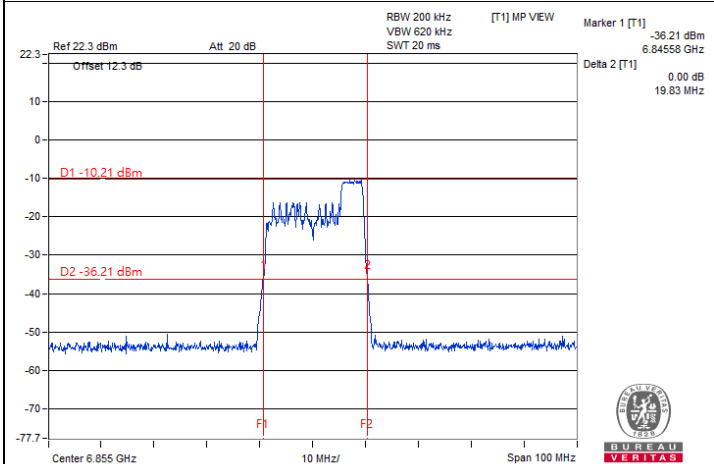
802.11be (EHT80) 2S2T/ Chain 1 : CH 7



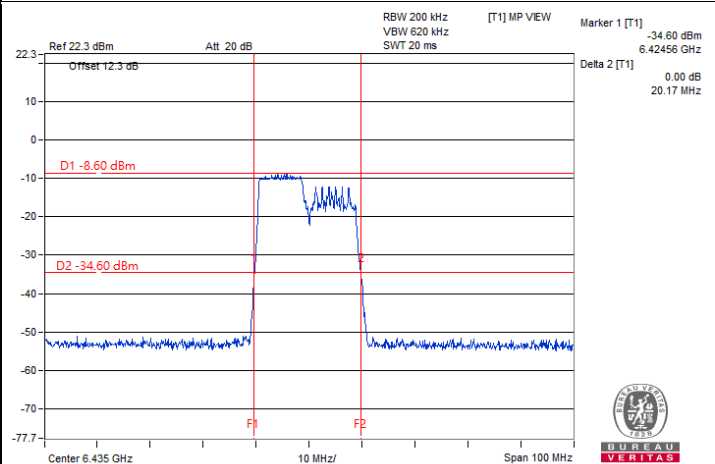
802.11be (EHT160) 2S2T/ Chain 0 : CH 79



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

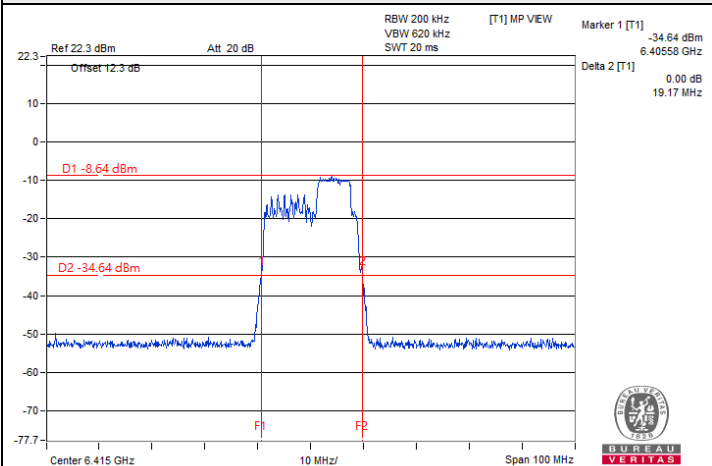


802.11be (EHT20) 52-tone RU 2S2T/ Chain 0 : CH 181

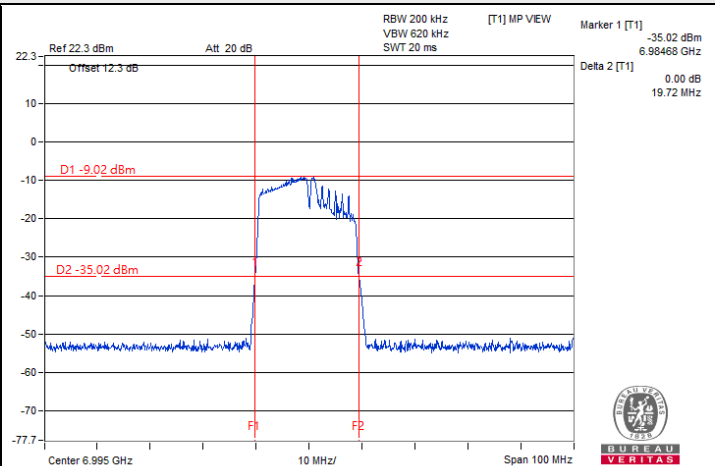


802.11be (EHT20) 106-tone RU 2S2T/ Chain 0 : CH 97

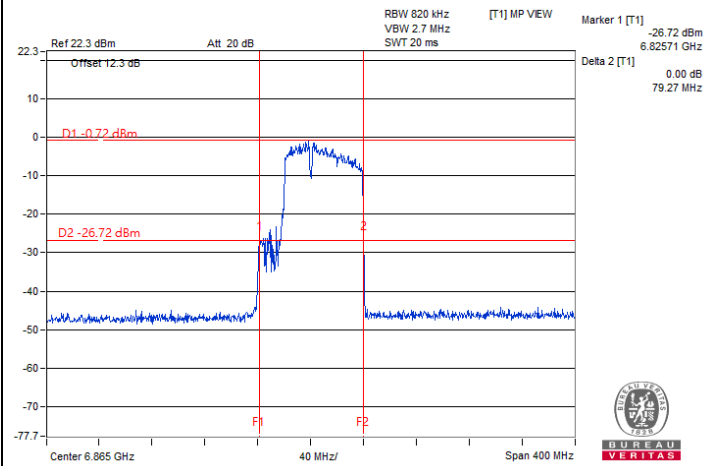
Spectrum Plot of Maximum Value



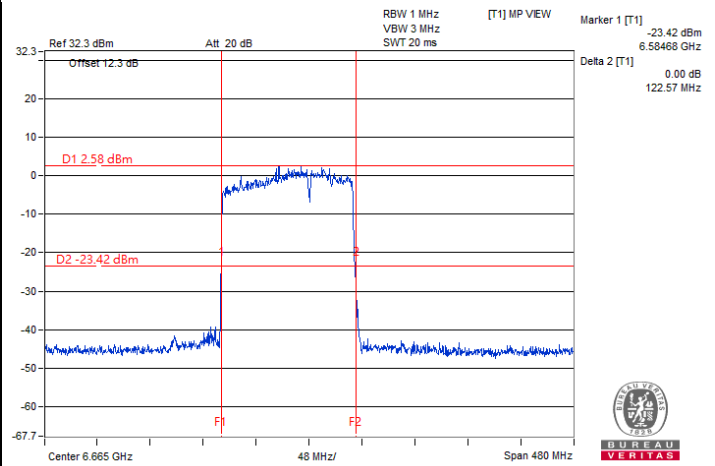
802.11be (EHT20) 52+26-tone MRU 2S2T/ Chain 0 : CH 93



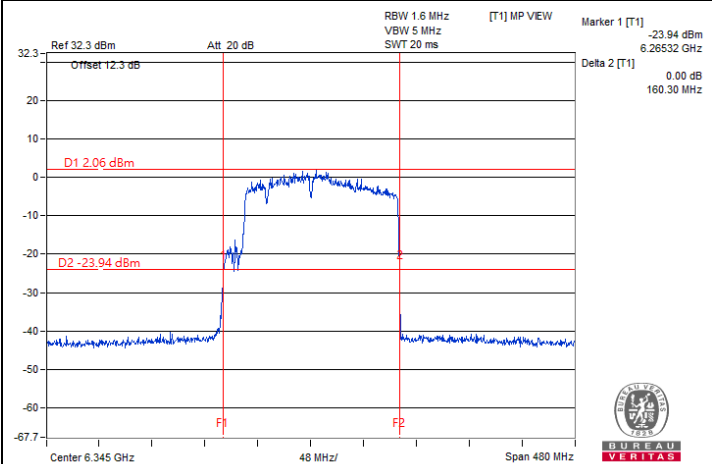
802.11be (EHT20) 106+26-tone MRU 2S2T/ Chain 0 : CH 209



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



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



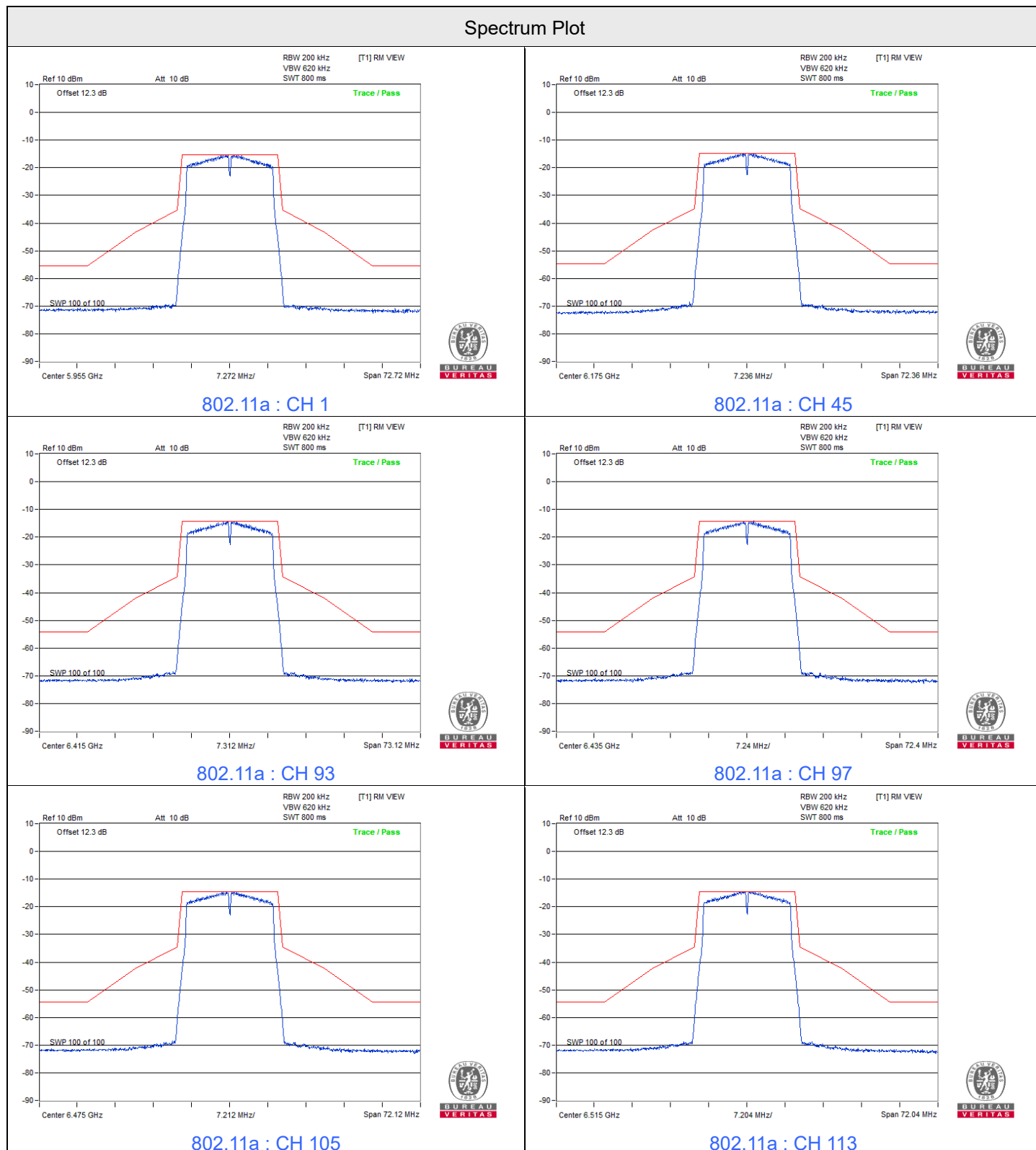
802.11be (EHT160) 996+484+242-tone MRU 2S2T/ Chain 0 : CH 79

7.4 In-Band Emission Mask

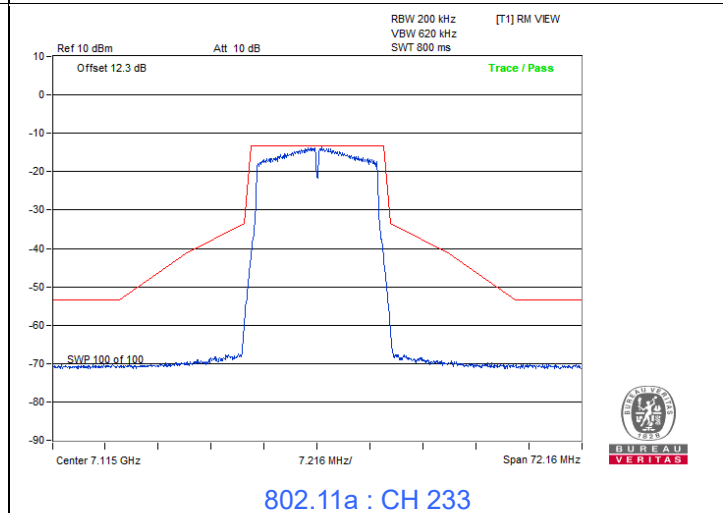
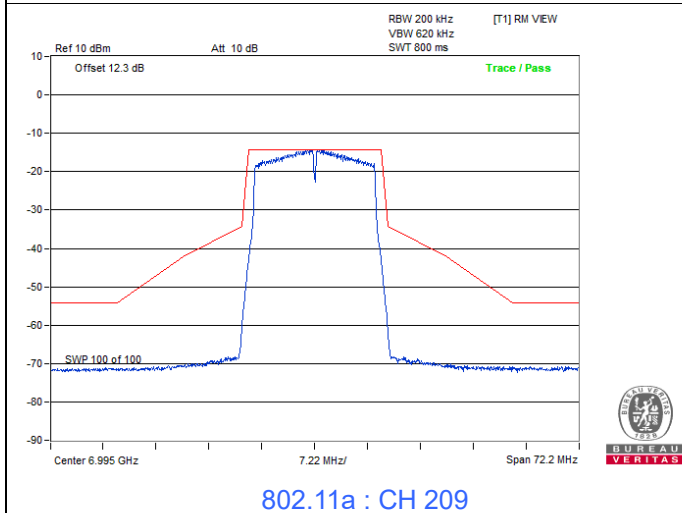
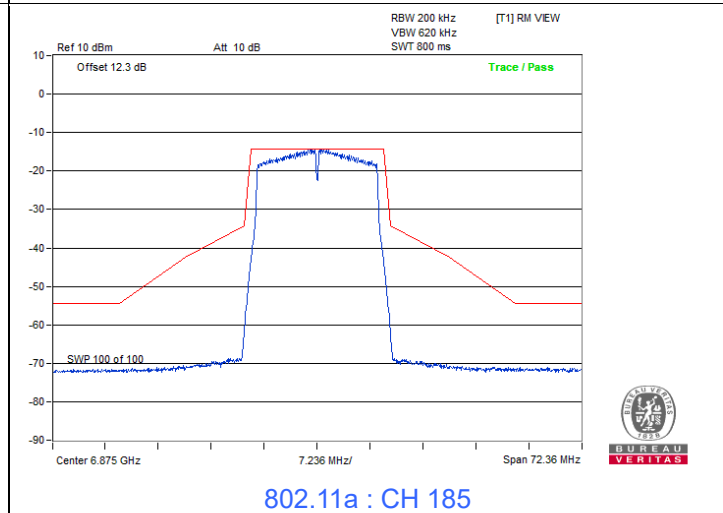
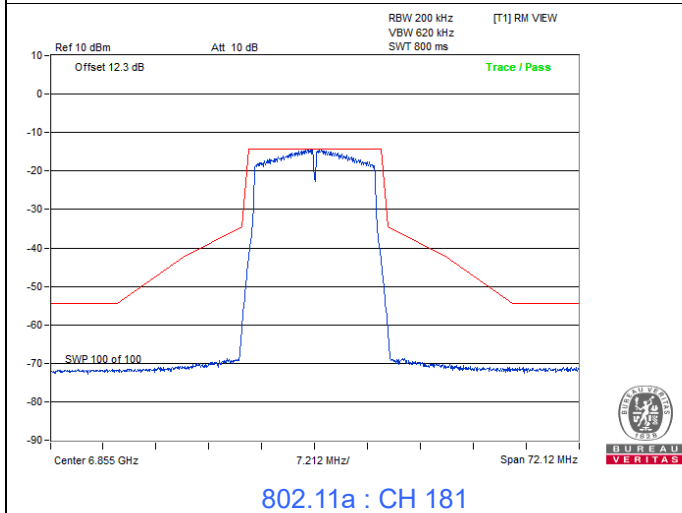
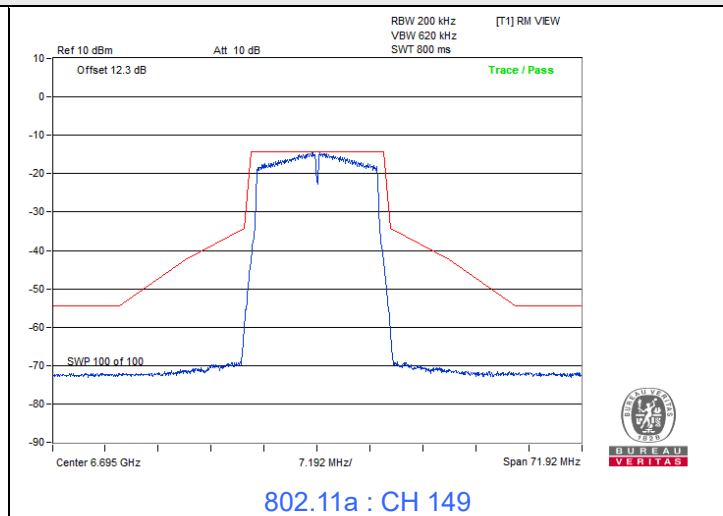
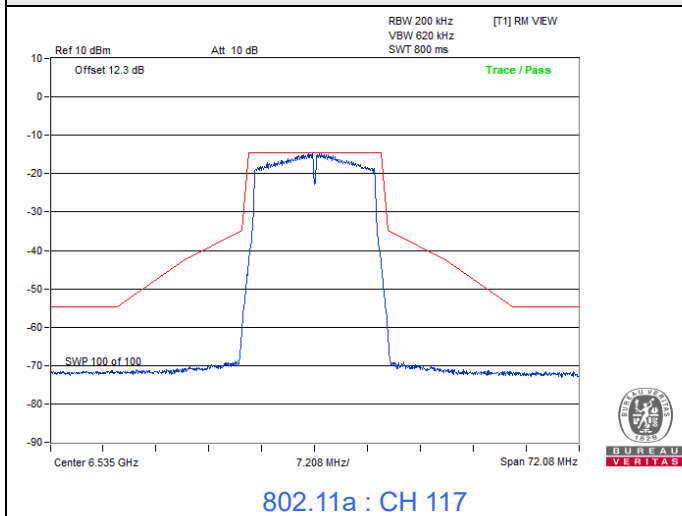
Input Power:	3.3 Vdc	Environmental Conditions:	22°C, 60% RH	Tested By:	Henry Hsu
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Mode A 1T

802.11a

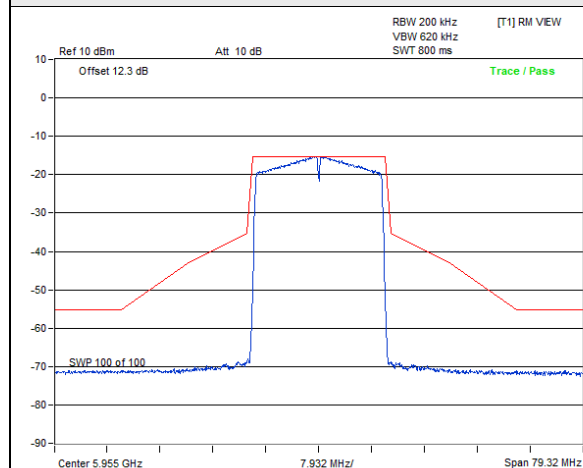


Spectrum Plot

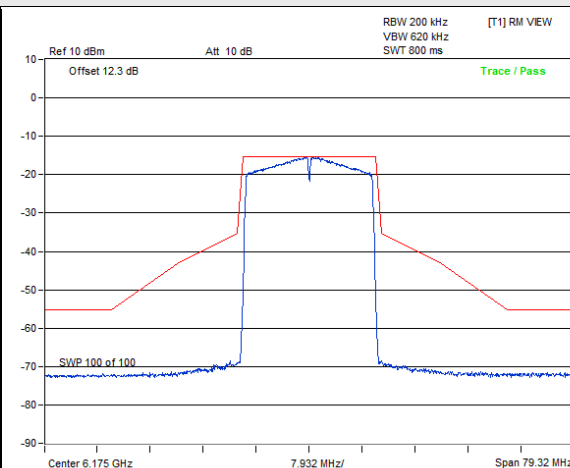


802.11be (EHT20)

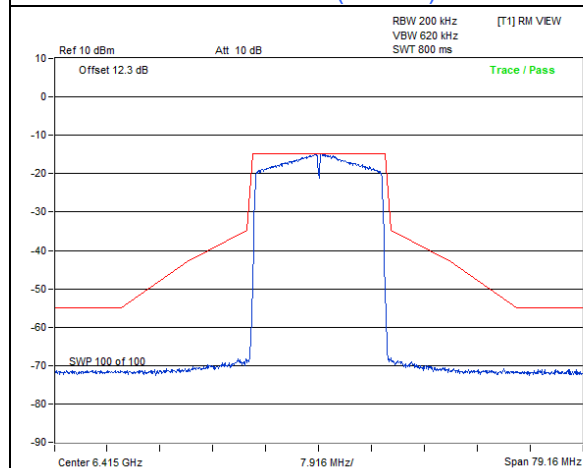
Spectrum Plot



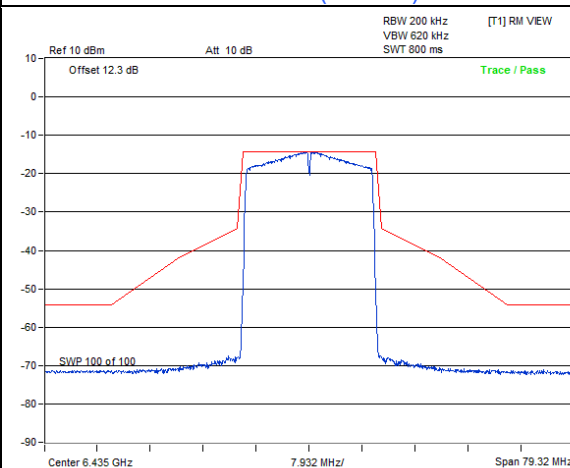
802.11be (EHT20) : CH 1



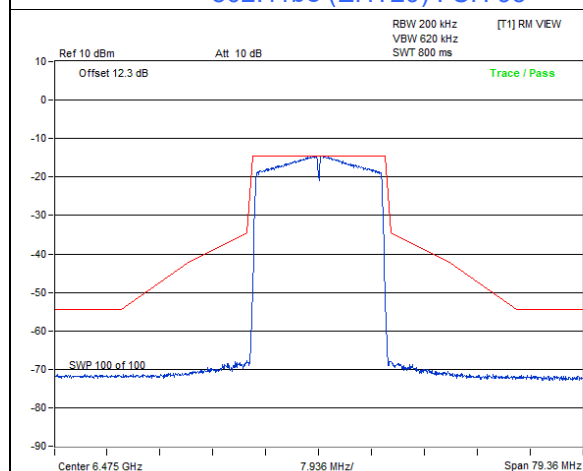
802.11be (EHT20) : CH 45



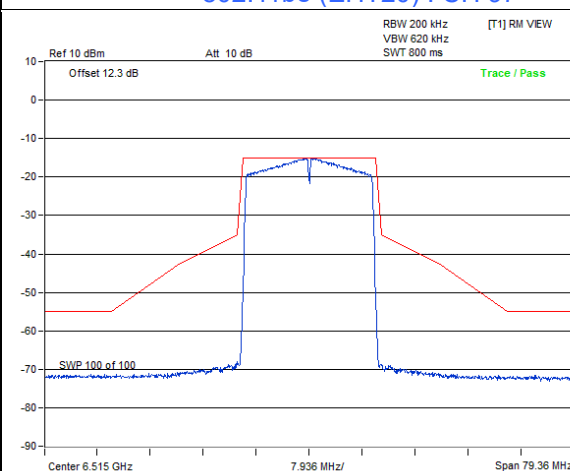
802.11be (EHT20) : CH 93



802.11be (EHT20) : CH 97

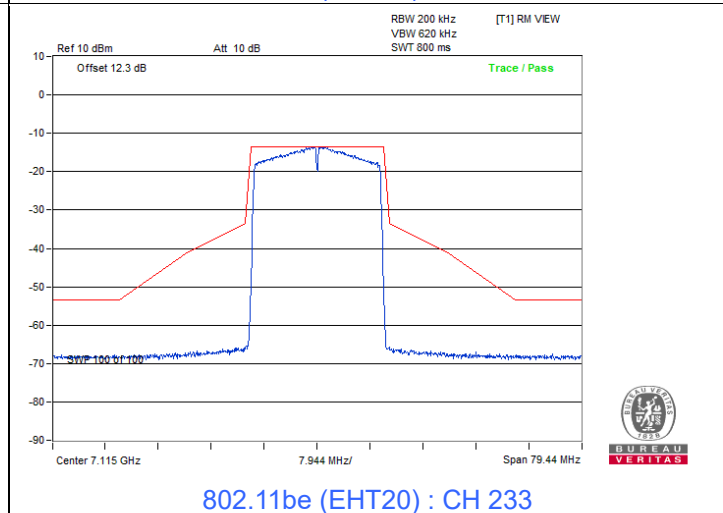
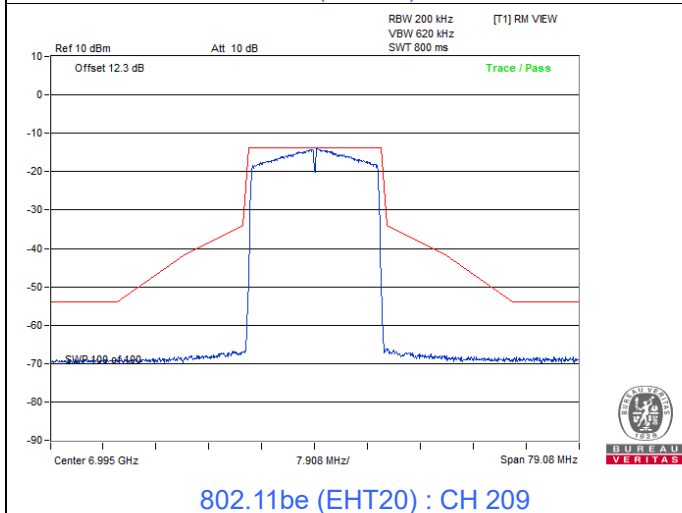
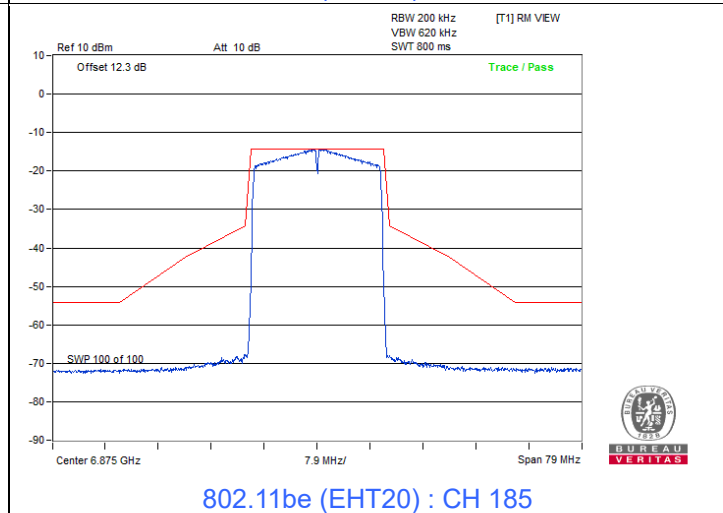
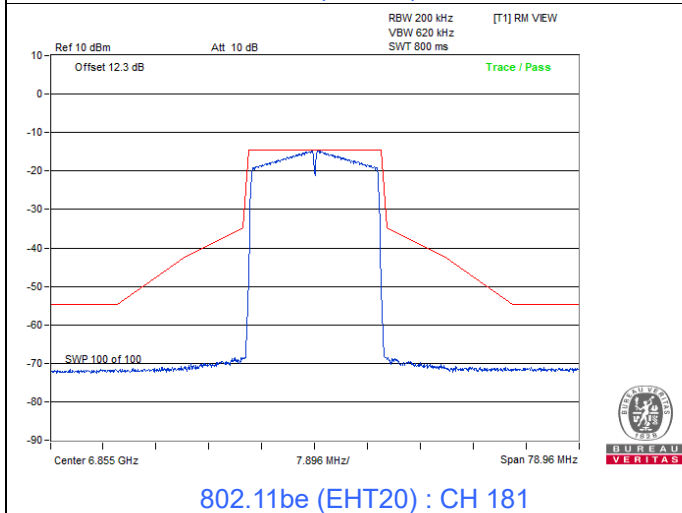
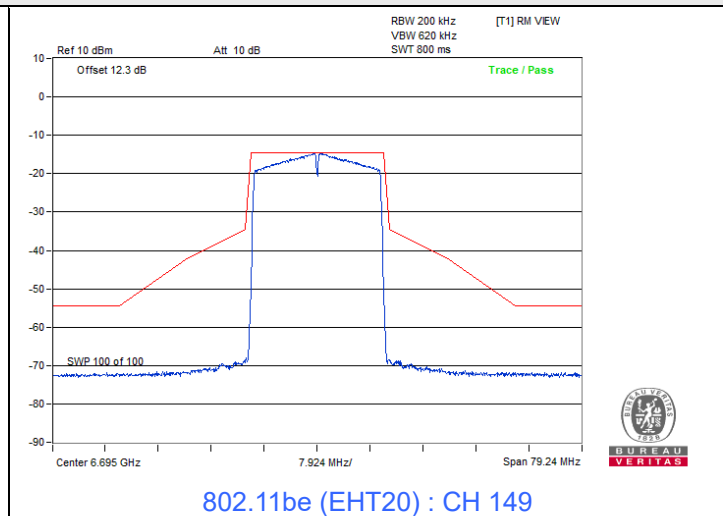
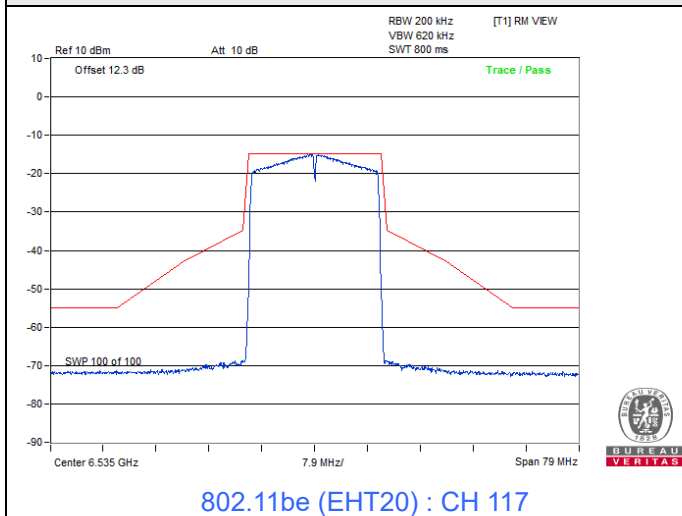


802.11be (EHT20) : CH 105



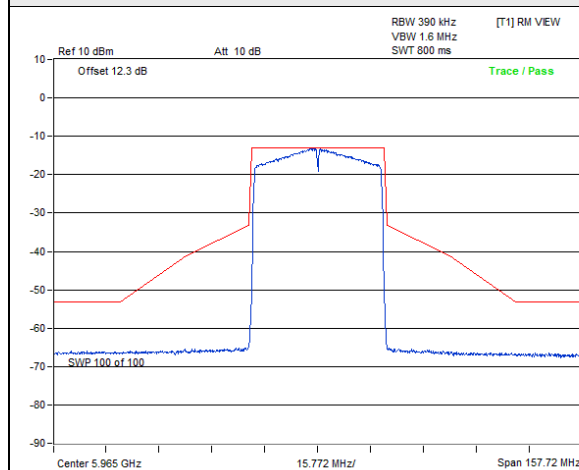
802.11be (EHT20) : CH 113

Spectrum Plot

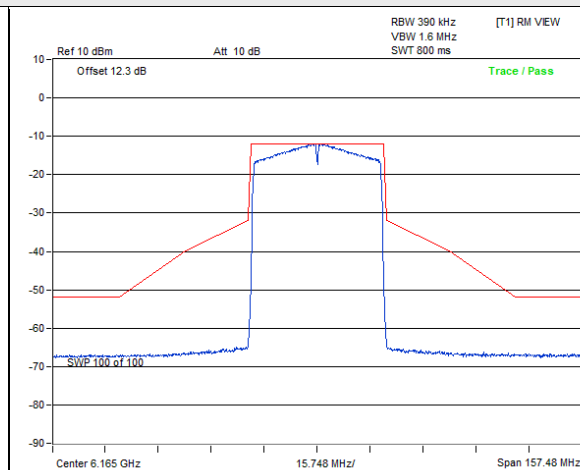


802.11be (EHT40)

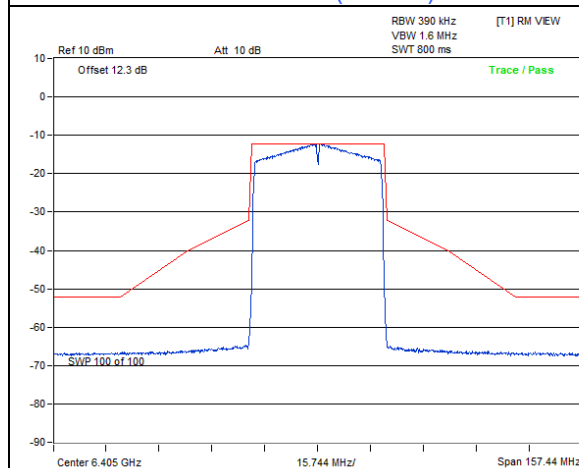
Spectrum Plot



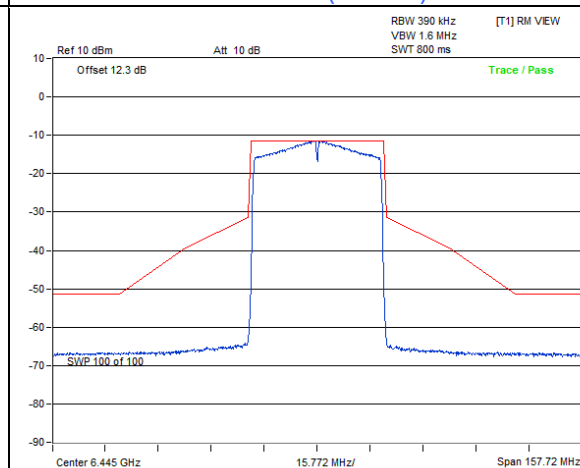
802.11be (EHT40) : CH 3



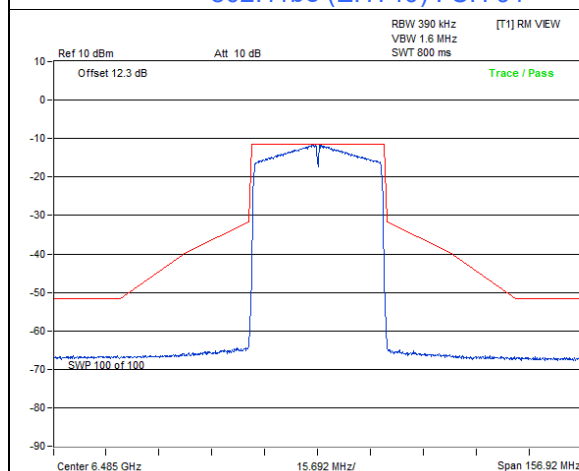
802.11be (EHT40) : CH 43



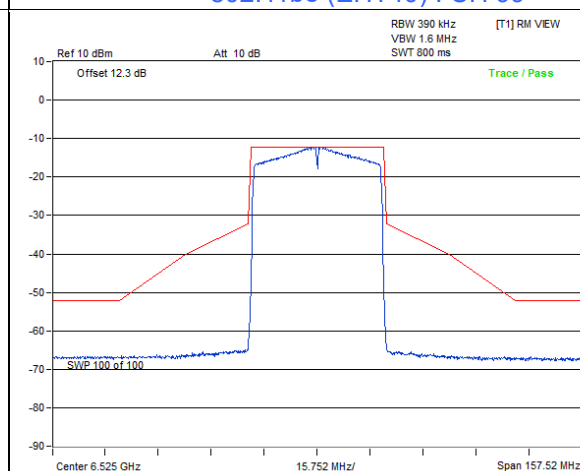
802.11be (EHT40) : CH 91



802.11be (EHT40) : CH 99

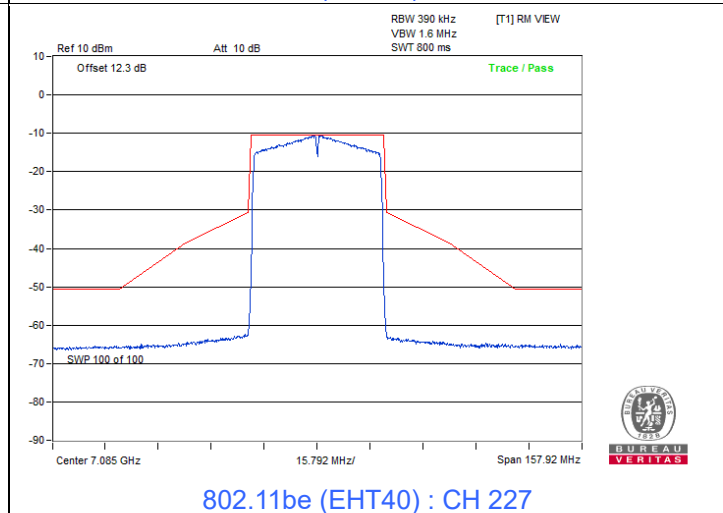
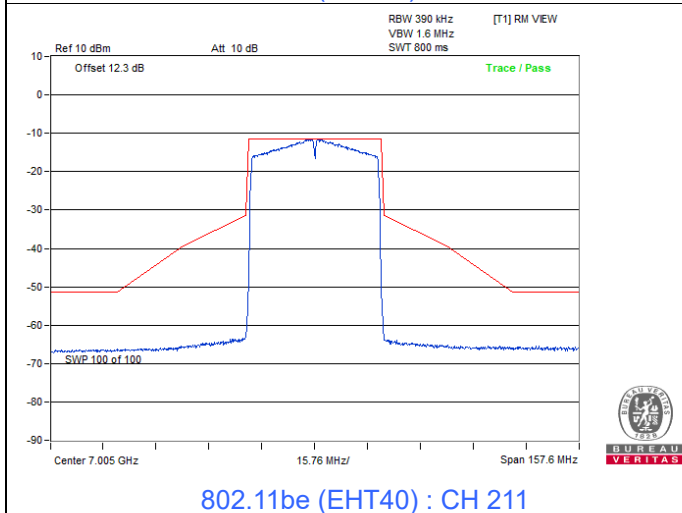
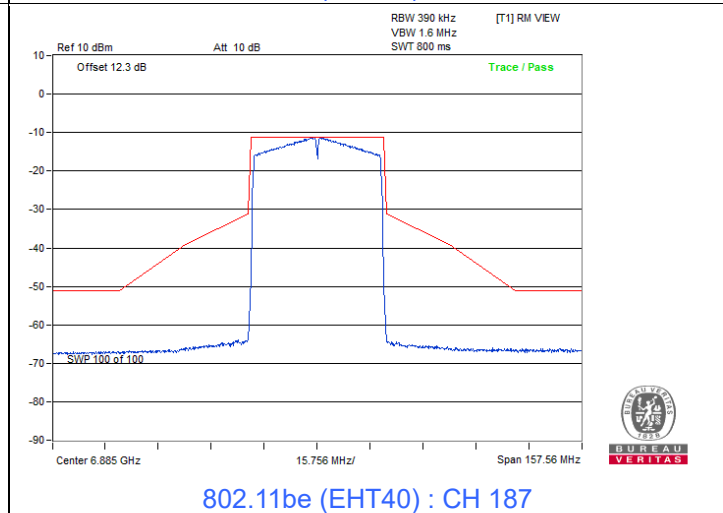
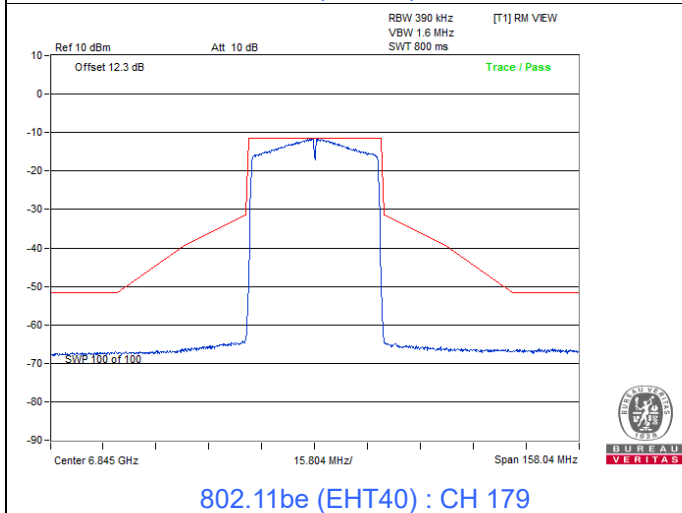
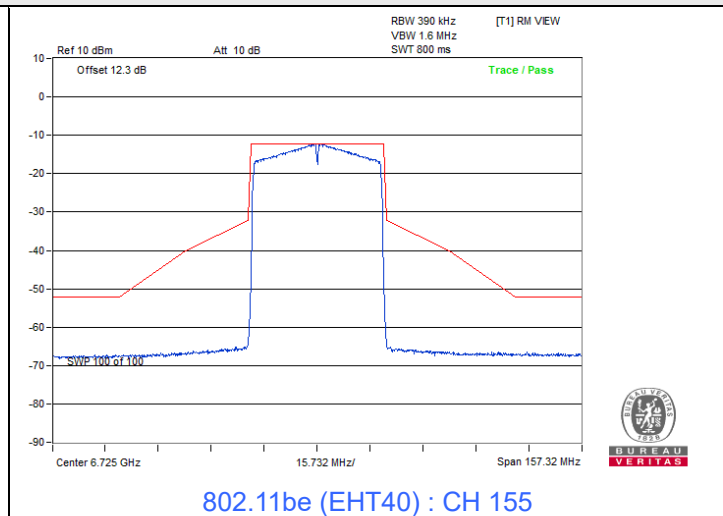
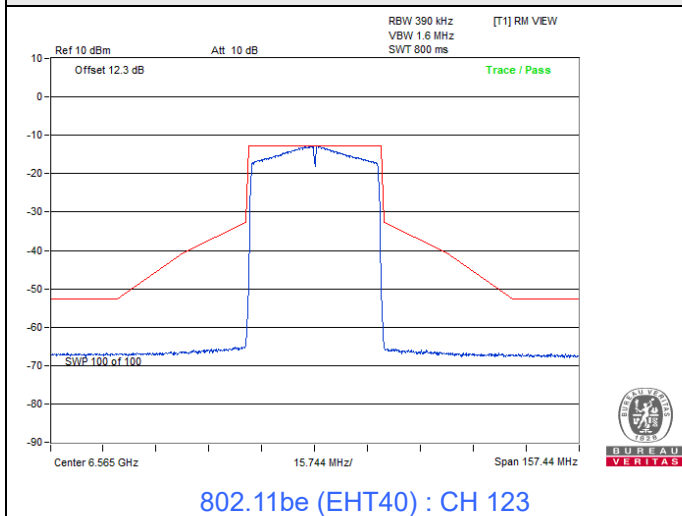


802.11be (EHT40) : CH 107



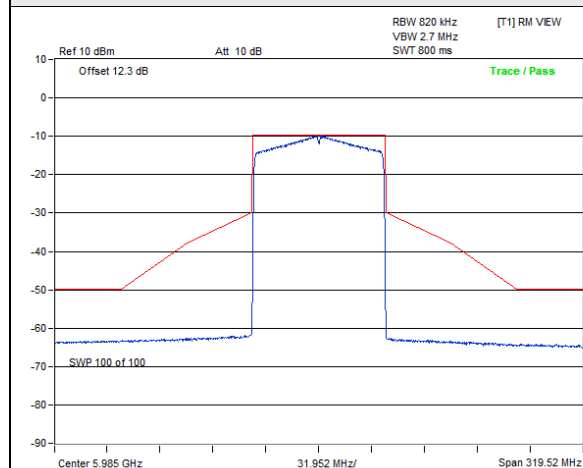
802.11be (EHT40) : CH 115

Spectrum Plot

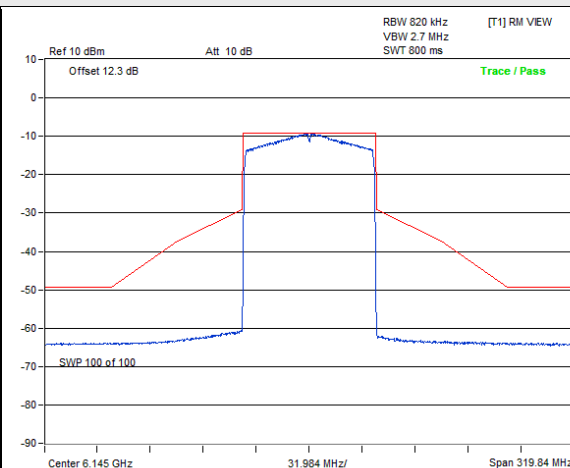


802.11be (EHT80)

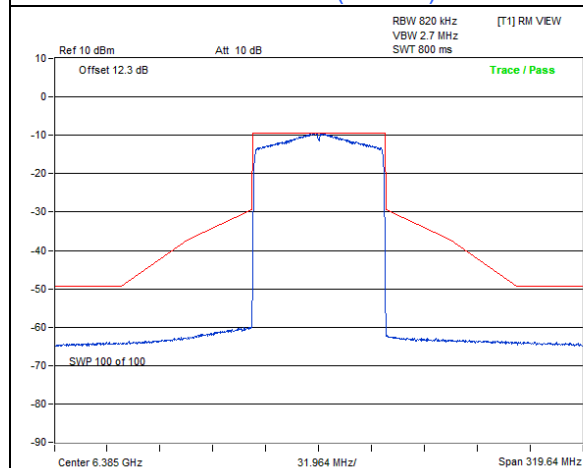
Spectrum Plot



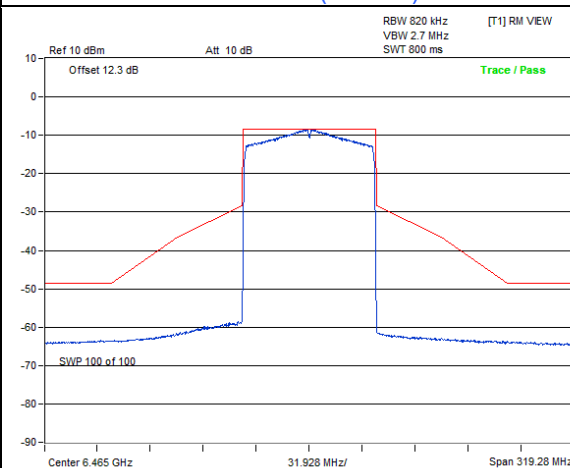
802.11be (EHT80) : CH 7



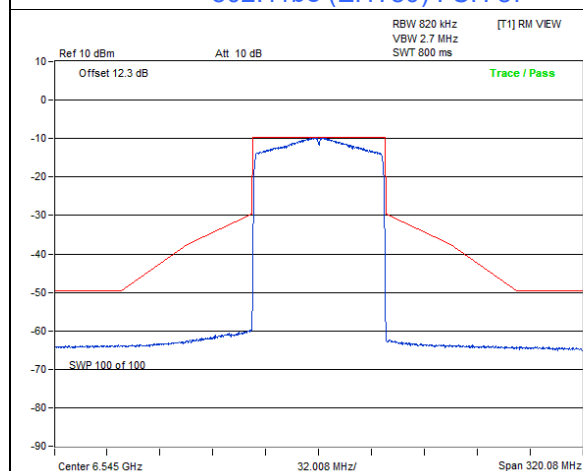
802.11be (EHT80) : CH 39



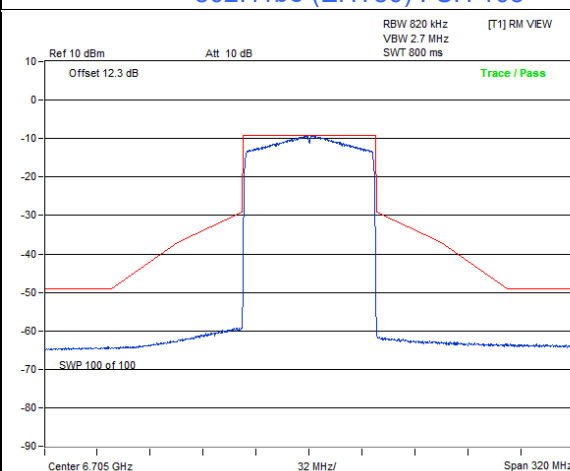
802.11be (EHT80) : CH 87



802.11be (EHT80) : CH 103

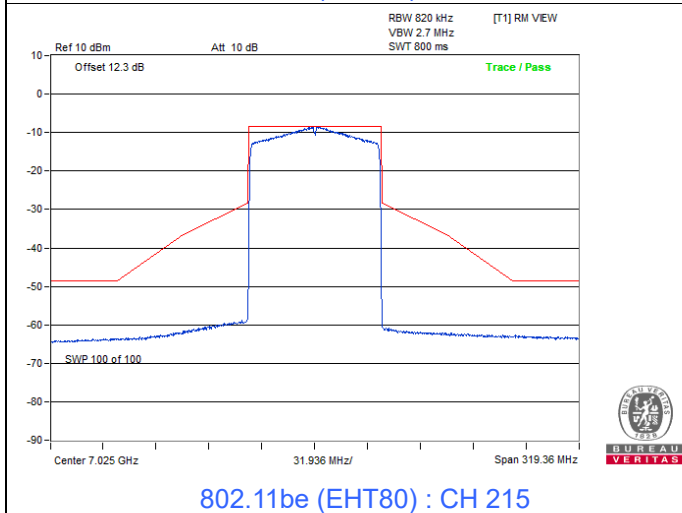
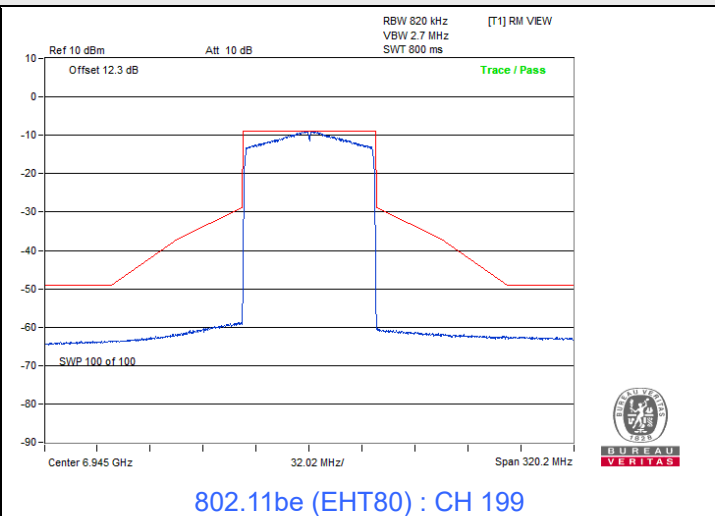
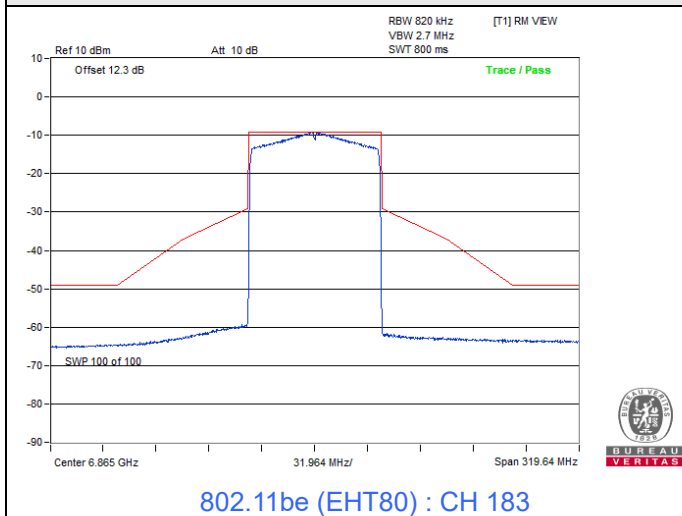


802.11be (EHT80) : CH 119



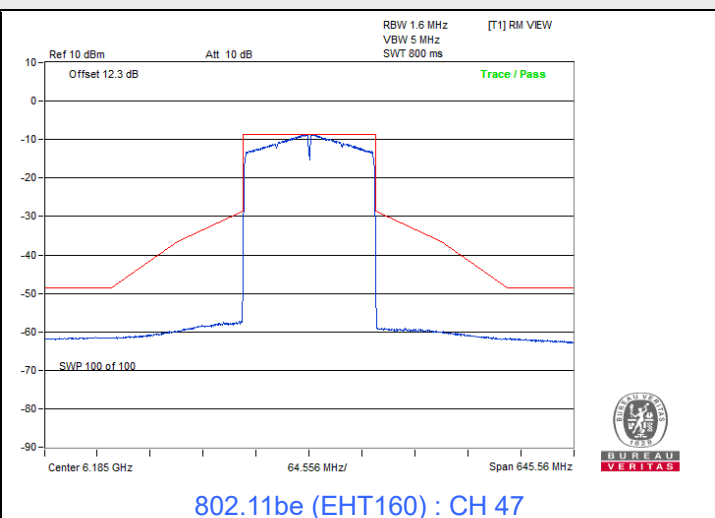
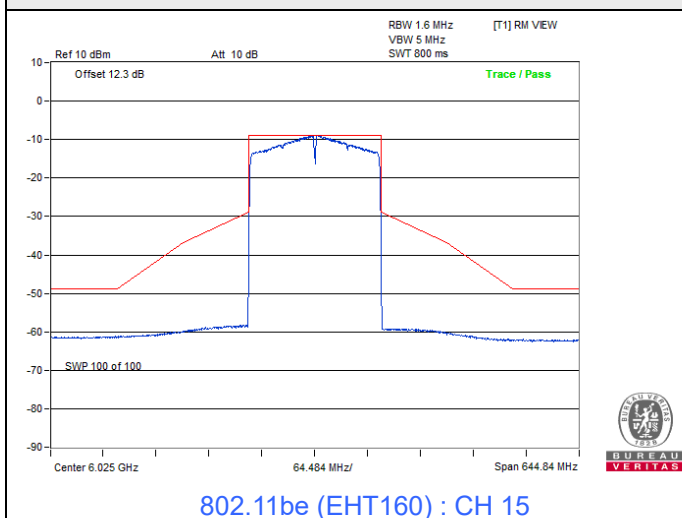
802.11be (EHT80) : CH 151

Spectrum Plot

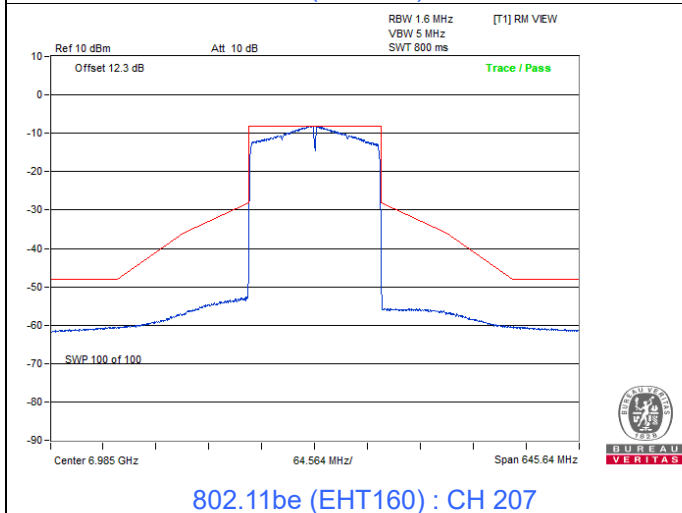
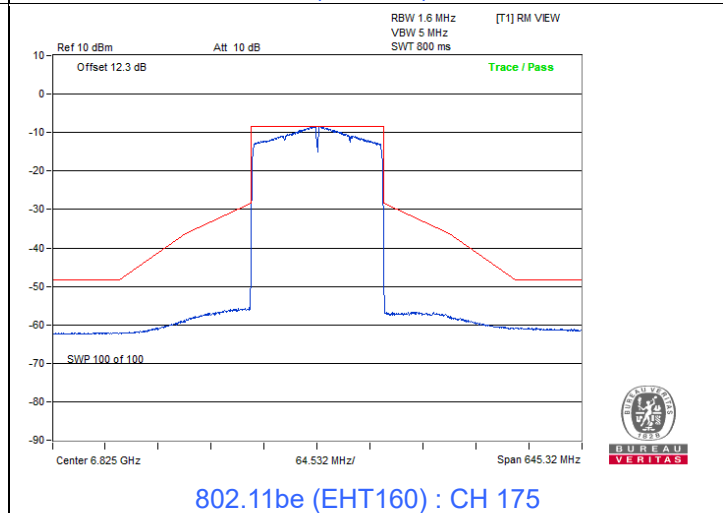
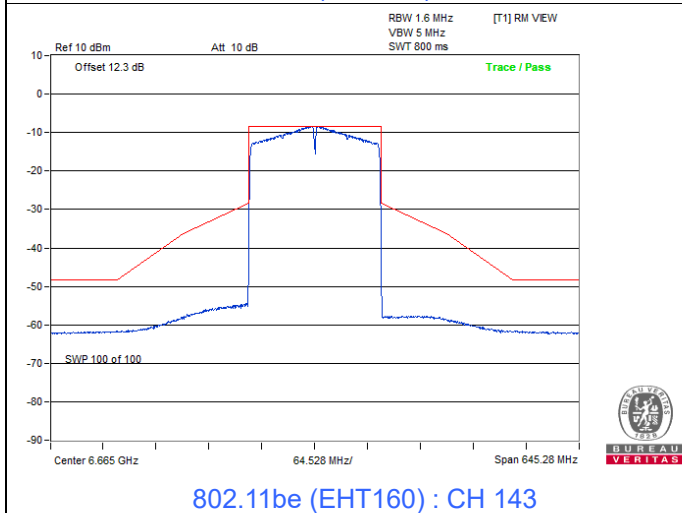
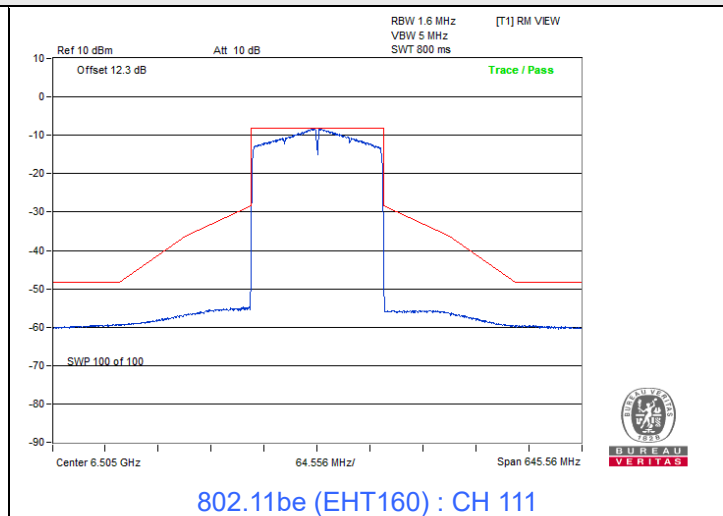
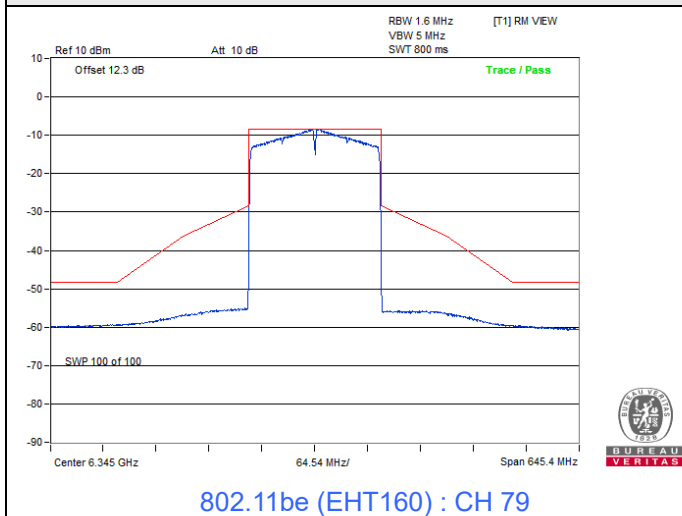


802.11be (EHT160)

Spectrum Plot

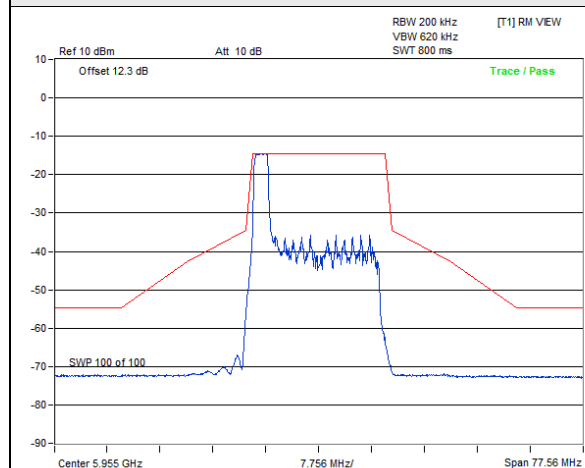


Spectrum Plot

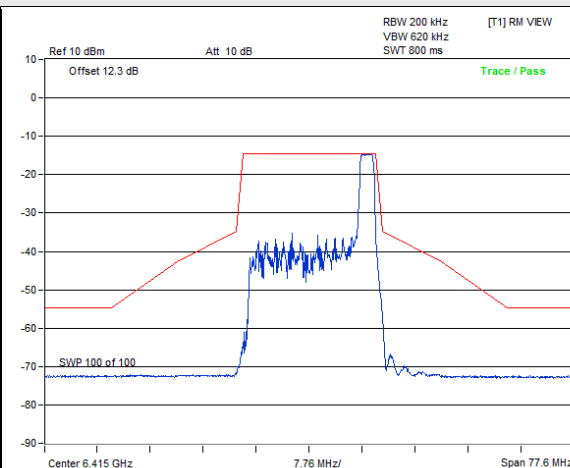


802.11be (EHT20) 26-tone RU

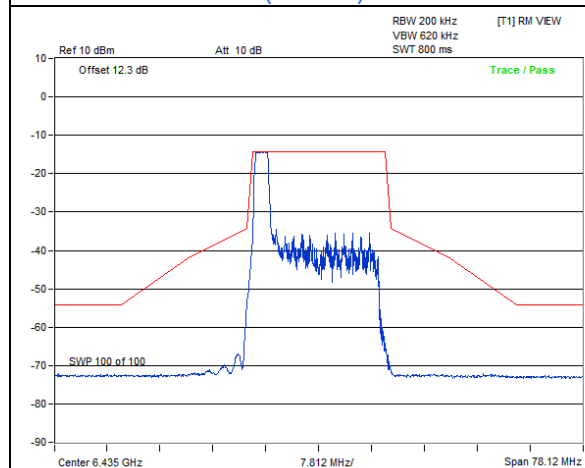
Spectrum Plot



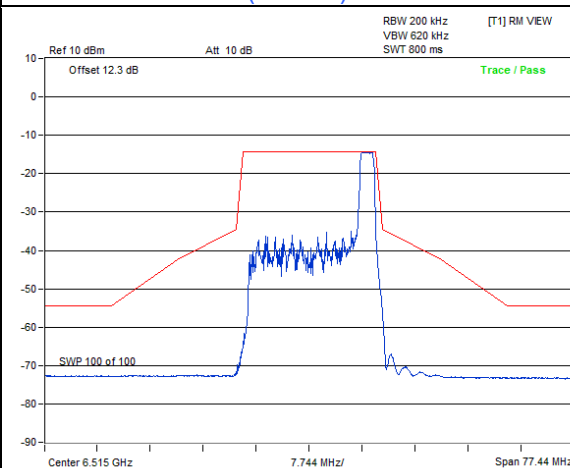
802.11be (EHT20) 26-tone RU : CH 1



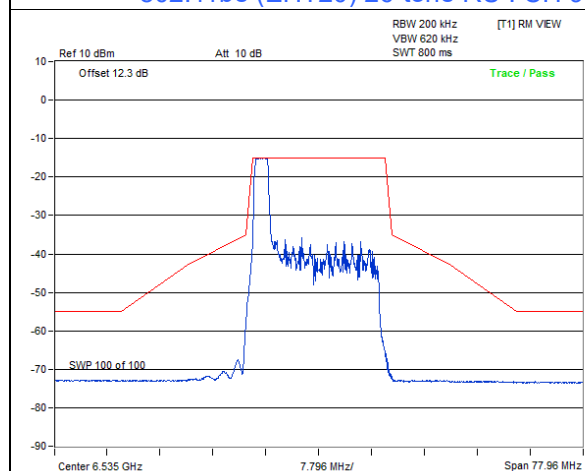
802.11be (EHT20) 26-tone RU : CH 93



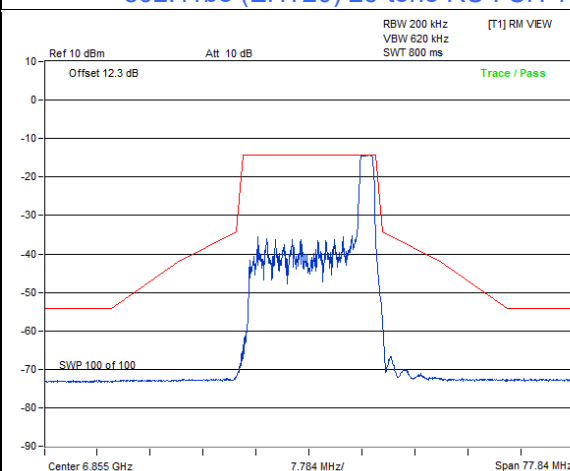
802.11be (EHT20) 26-tone RU : CH 97



802.11be (EHT20) 26-tone RU : CH 113

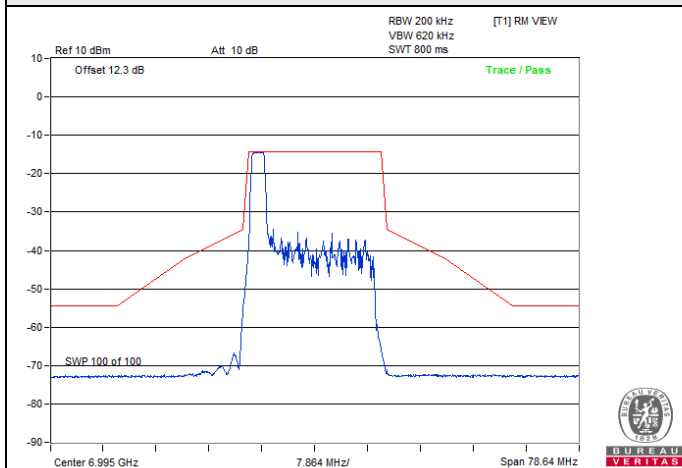


802.11be (EHT20) 26-tone RU : CH 117

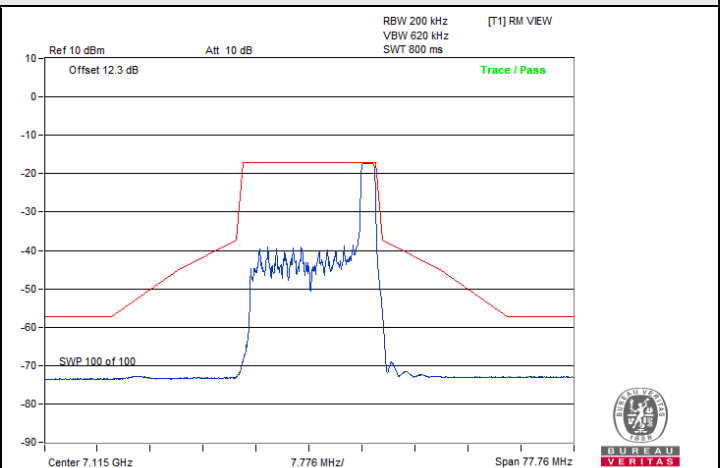


802.11be (EHT20) 26-tone RU : CH 181

Spectrum Plot



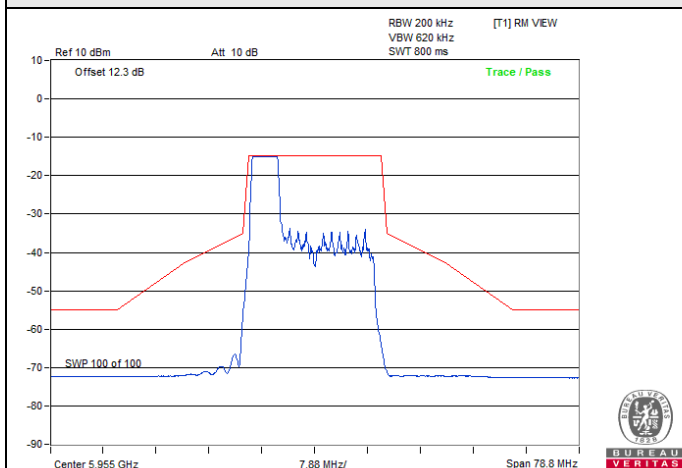
802.11be (EHT20) 26-tone RU : CH 209



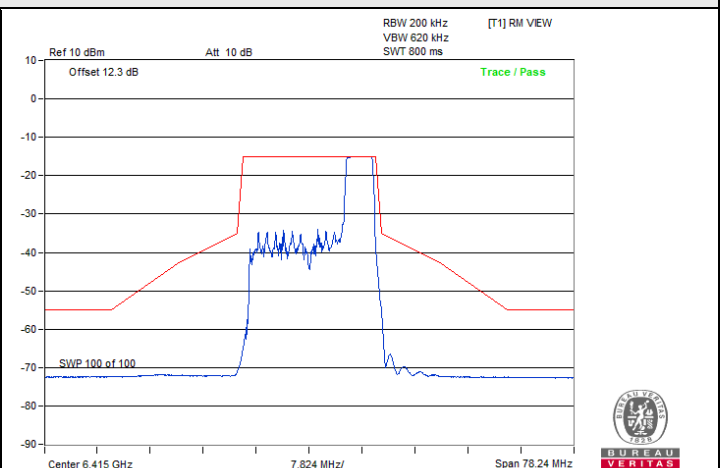
802.11be (EHT20) 26-tone RU : CH 233

802.11be (EHT20) 52-tone RU

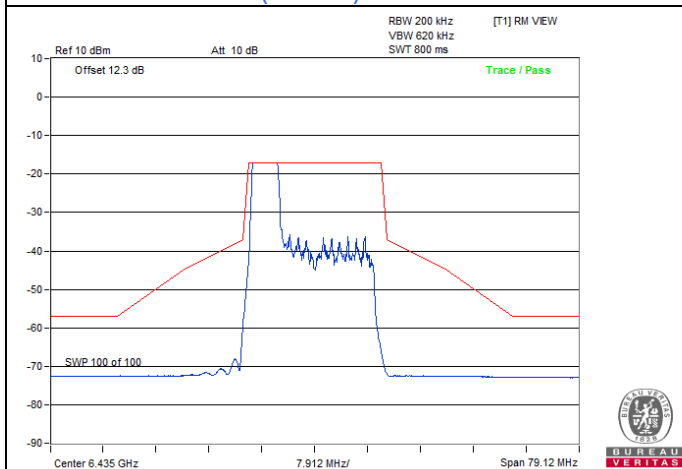
Spectrum Plot



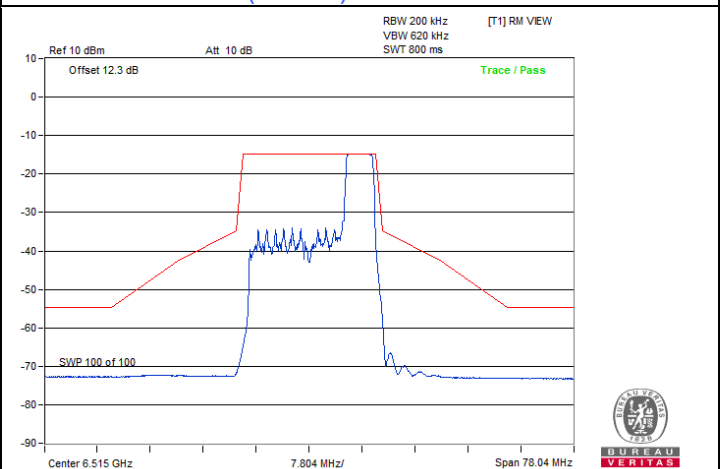
802.11be (EHT20) 52-tone RU : CH 1



802.11be (EHT20) 52-tone RU : CH 93

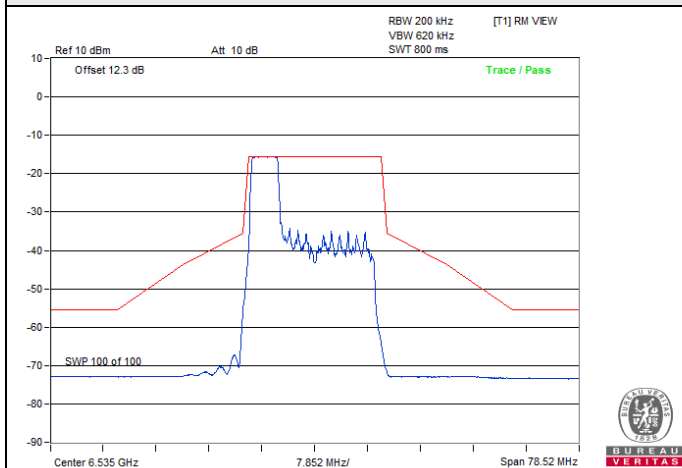


802.11be (EHT20) 52-tone RU : CH 97

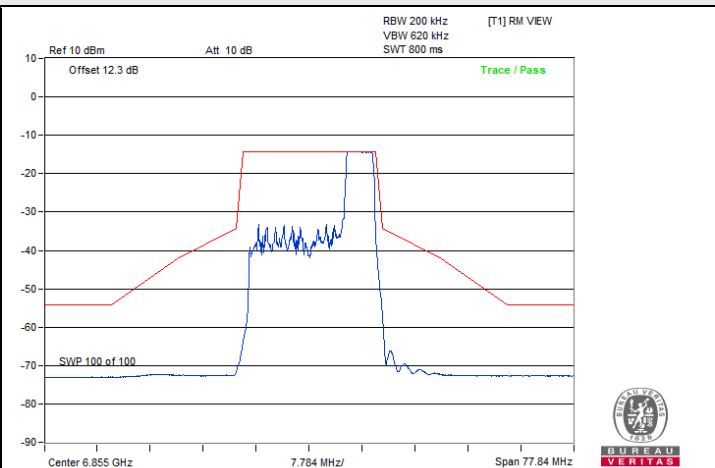


802.11be (EHT20) 52-tone RU : CH 113

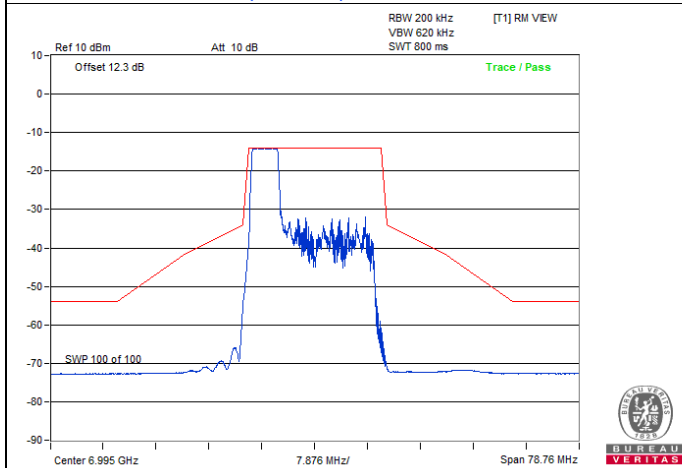
Spectrum Plot



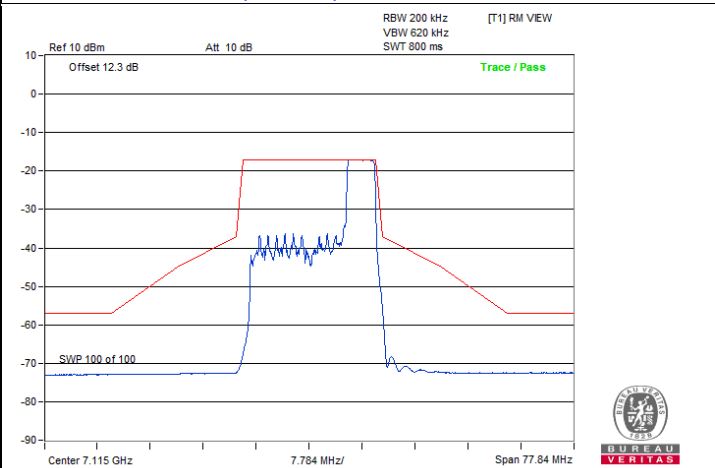
802.11be (EHT20) 52-tone RU : CH 117



802.11be (EHT20) 52-tone RU : CH 181



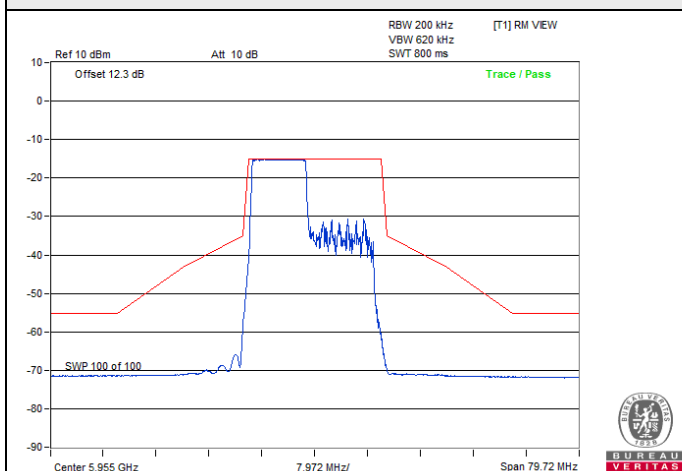
802.11be (EHT20) 52-tone RU : CH 209



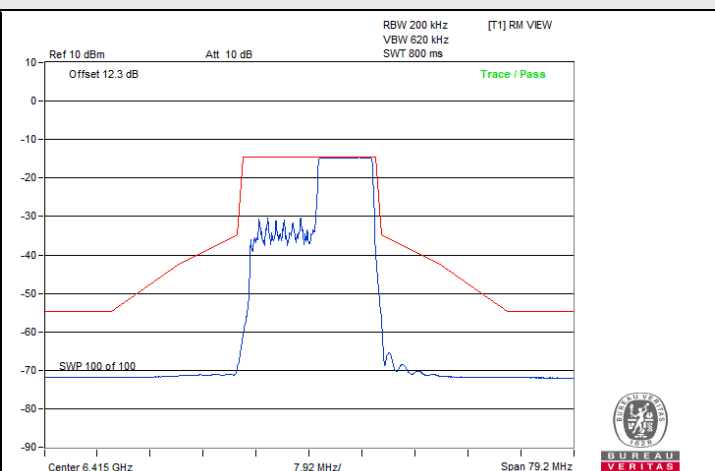
802.11be (EHT20) 52-tone RU : CH 233

802.11be (EHT20) 106-tone RU

Spectrum Plot

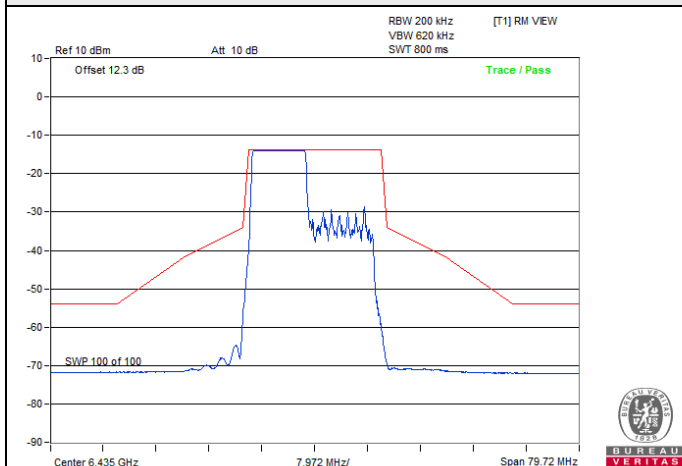


802.11be (EHT20) 106-tone RU : CH 1

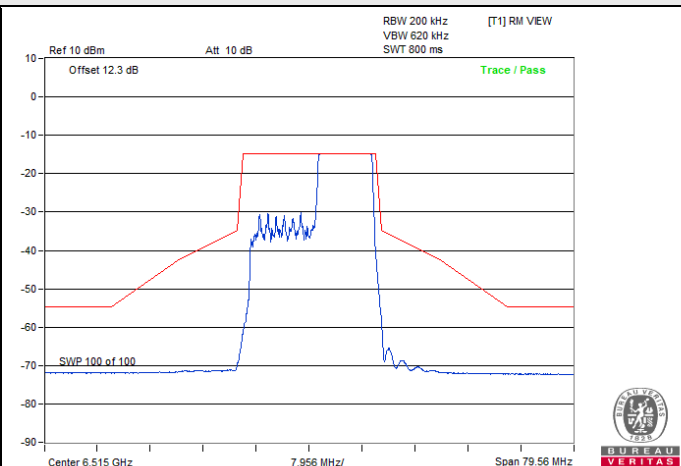


802.11be (EHT20) 106-tone RU : CH 93

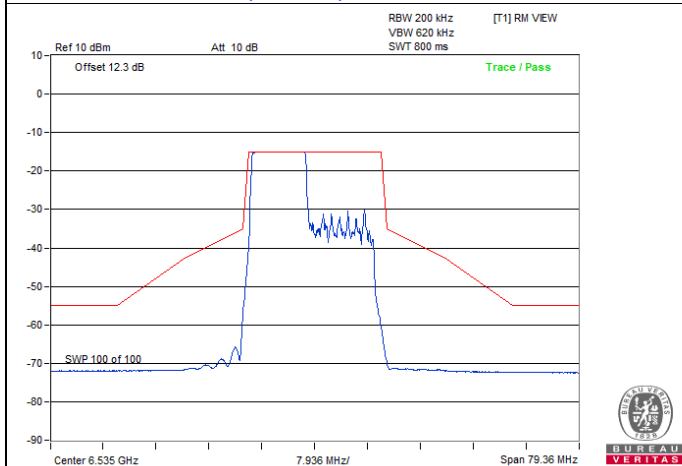
Spectrum Plot



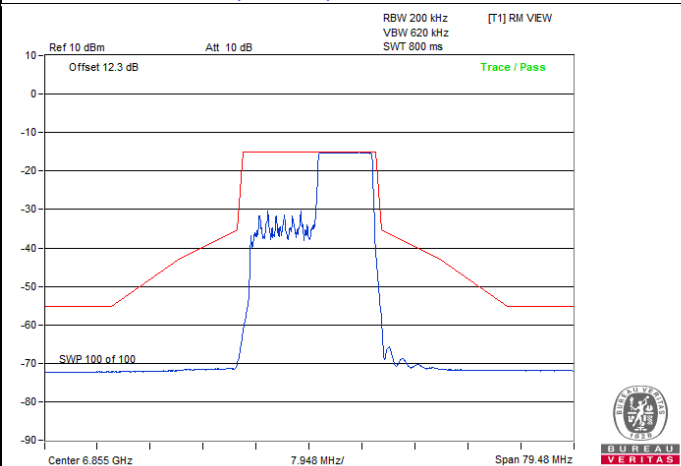
802.11be (EHT20) 106-tone RU : CH 97



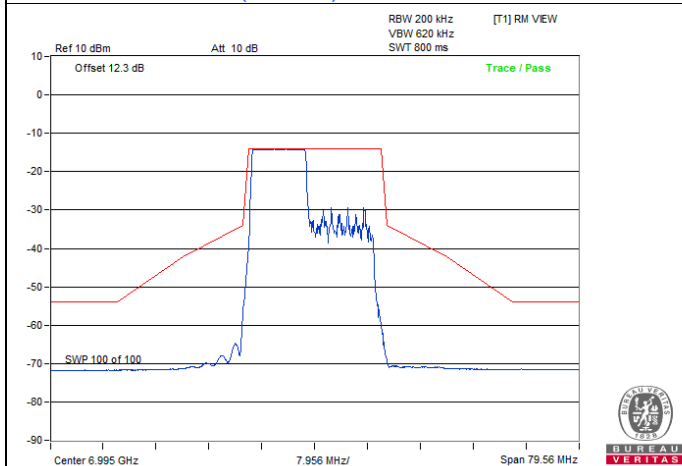
802.11be (EHT20) 106-tone RU : CH 113



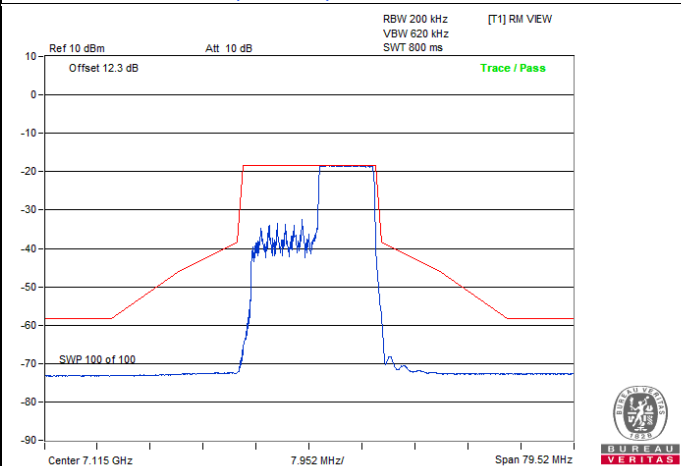
802.11be (EHT20) 106-tone RU : CH 117



802.11be (EHT20) 106-tone RU : CH 181



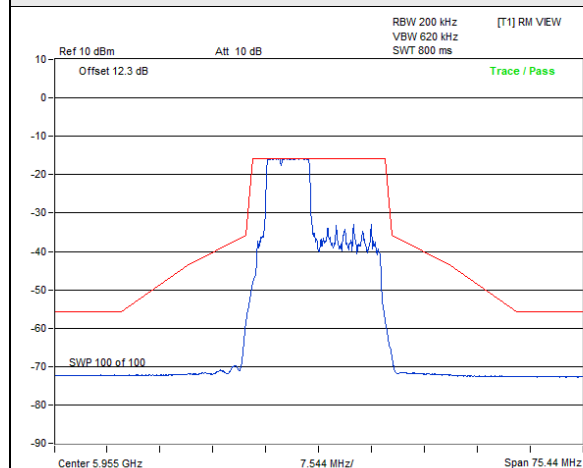
802.11be (EHT20) 106-tone RU : CH 209



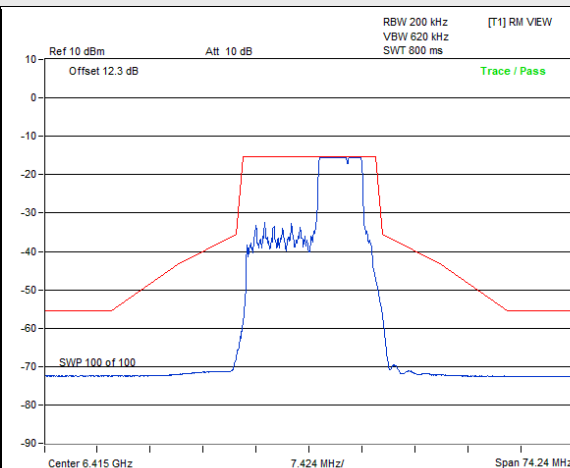
802.11be (EHT20) 106-tone RU : CH 233

802.11be (EHT20) 52+26-tone MRU

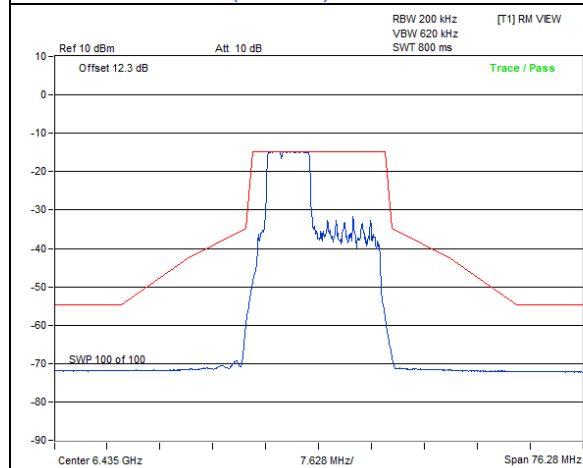
Spectrum Plot



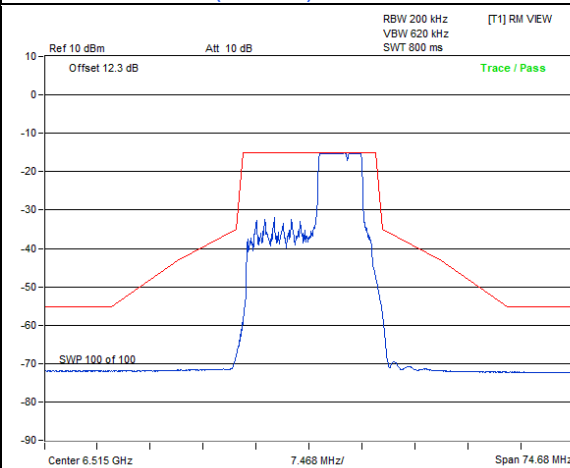
802.11be (EHT20) 52+26-tone MRU : CH 1



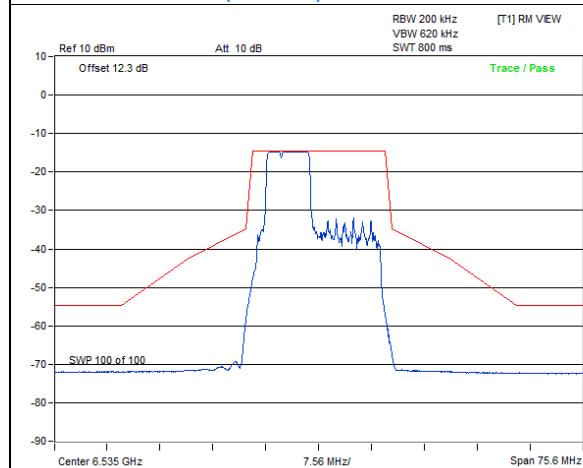
802.11be (EHT20) 52+26-tone MRU : CH 93



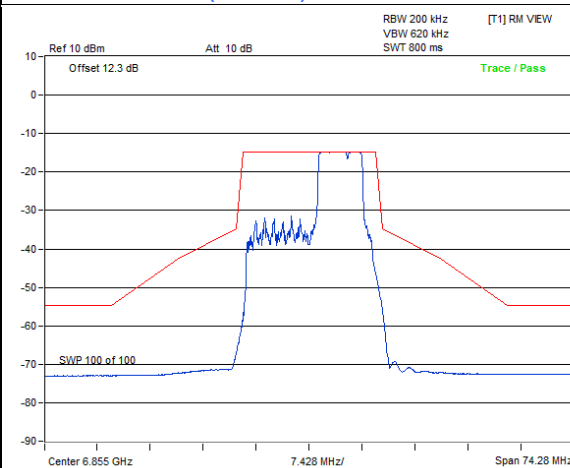
802.11be (EHT20) 52+26-tone MRU : CH 97



802.11be (EHT20) 52+26-tone MRU : CH 113

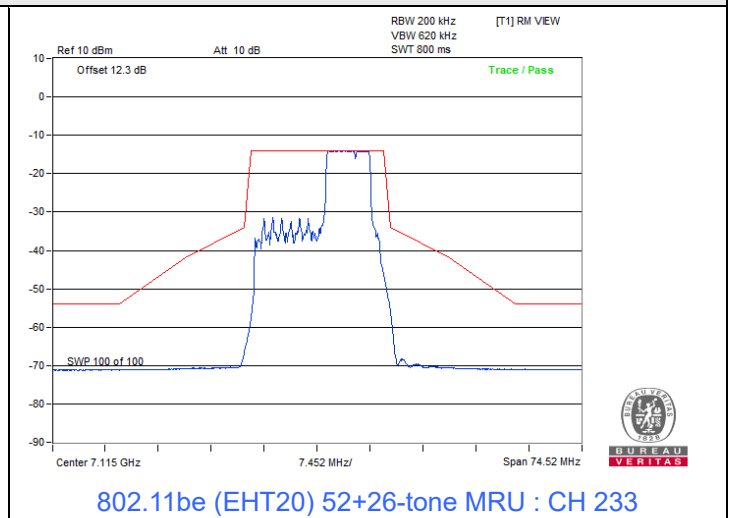
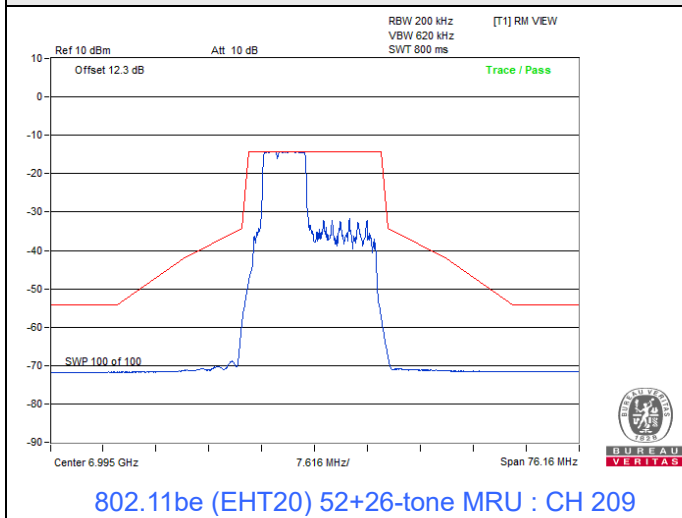


802.11be (EHT20) 52+26-tone MRU : CH 117



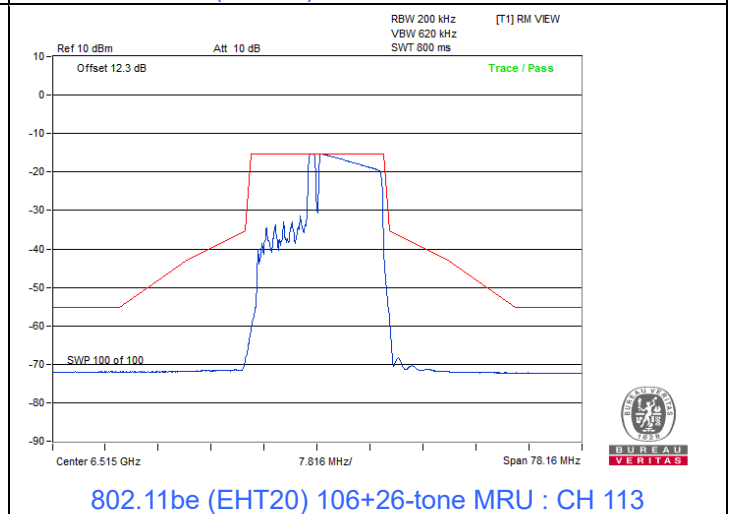
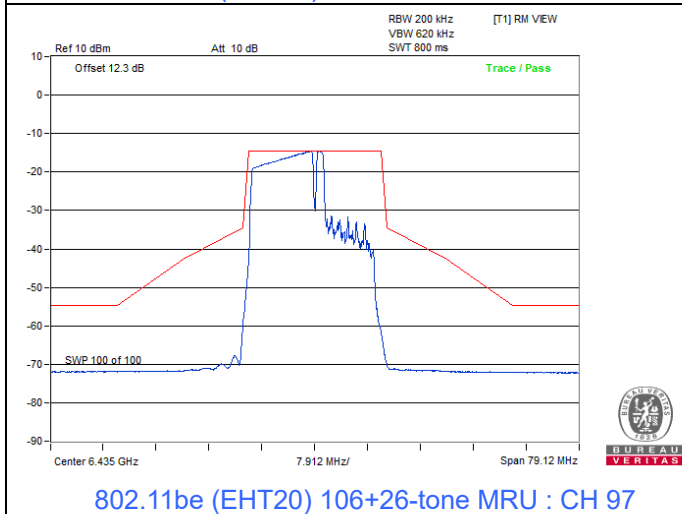
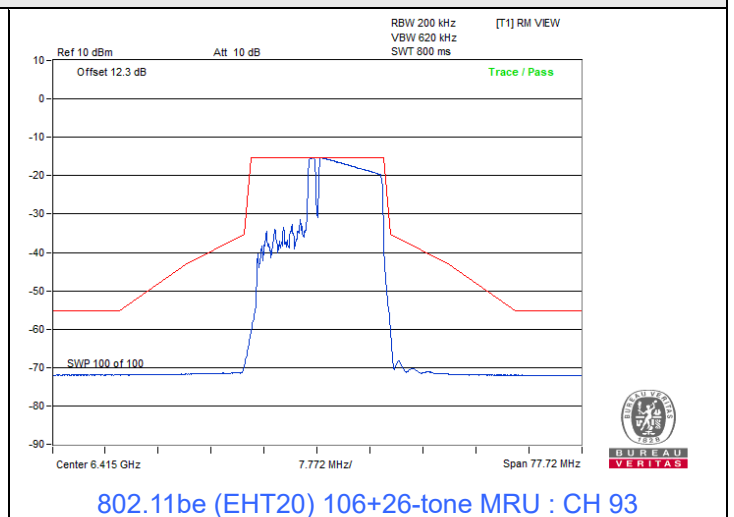
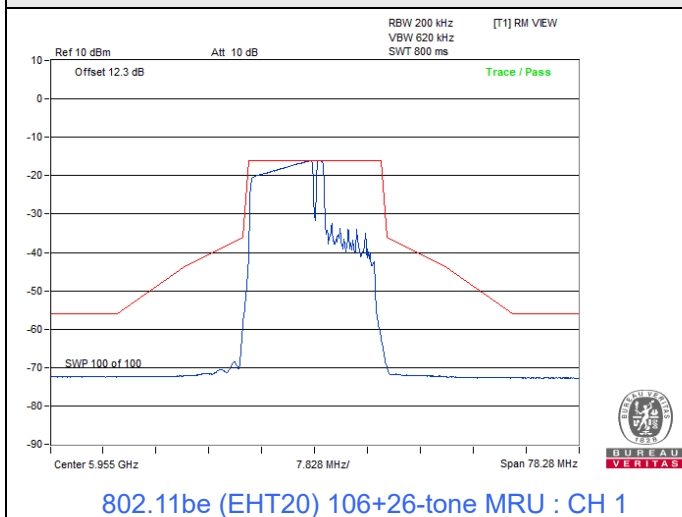
802.11be (EHT20) 52+26-tone MRU : CH 181

Spectrum Plot

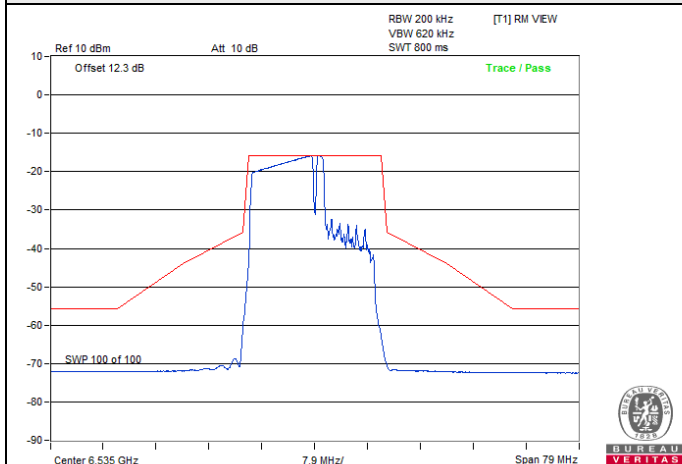


802.11be (EHT20) 106+26-tone MRU

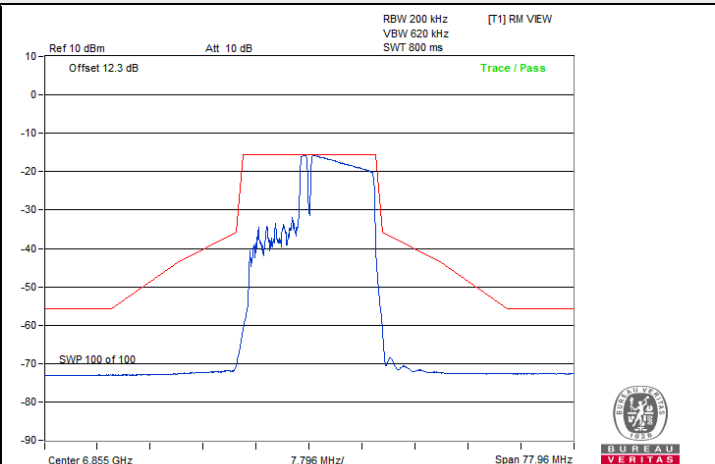
Spectrum Plot



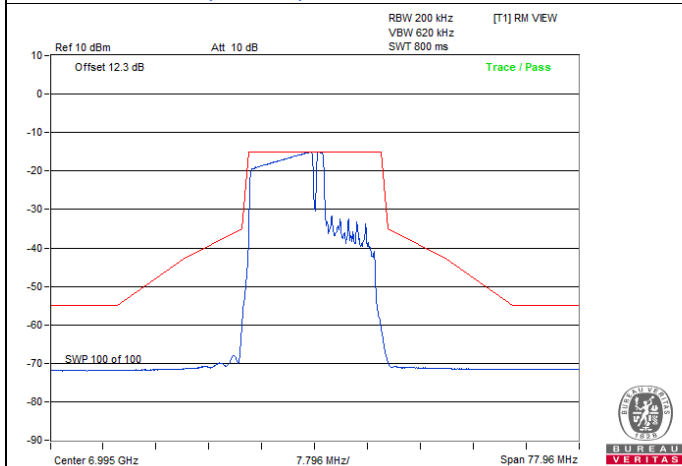
Spectrum Plot



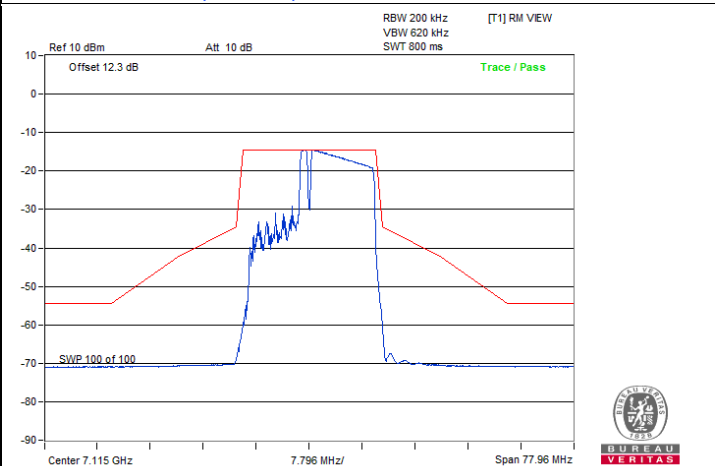
802.11be (EHT20) 106+26-tone MRU : CH 117



802.11be (EHT20) 106+26-tone MRU : CH 181



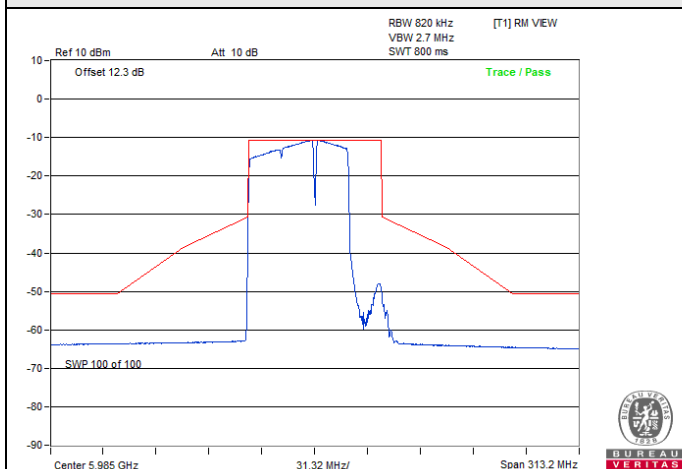
802.11be (EHT20) 106+26-tone MRU : CH 209



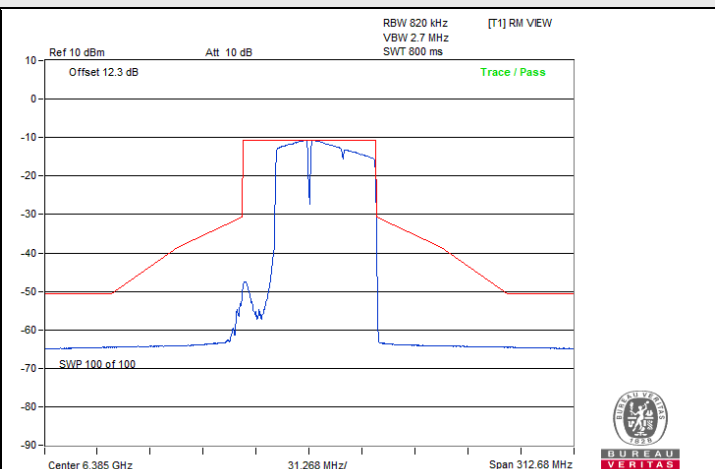
802.11be (EHT20) 106+26-tone MRU : CH 233

802.11be (EHT80) 484+242-tone MRU

Spectrum Plot

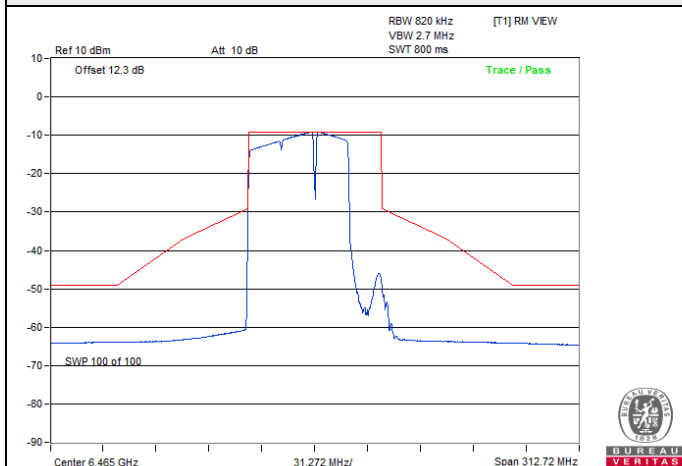


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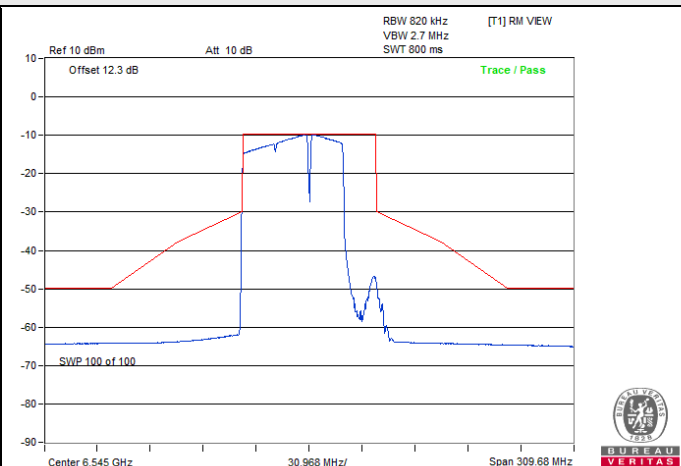


802.11be (EHT80) 484+242-tone MRU : CH 87

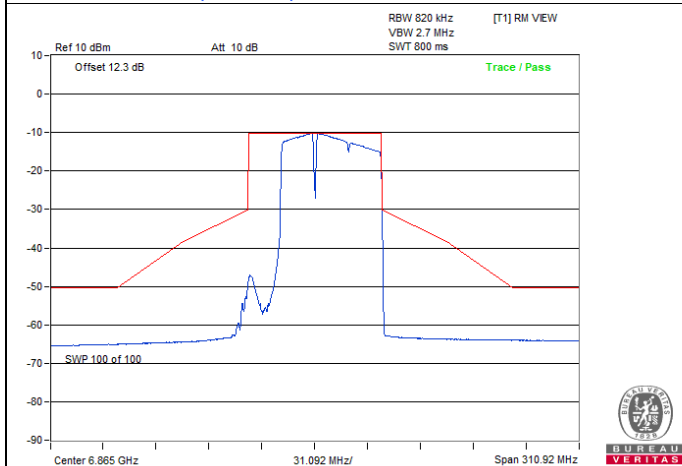
Spectrum Plot



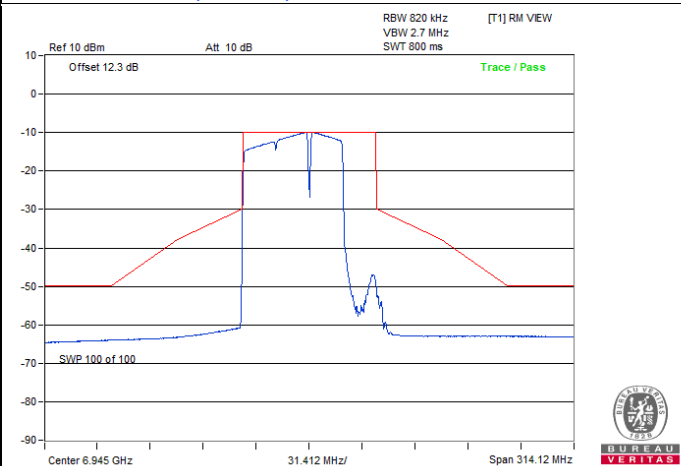
802.11be (EHT80) 484+242-tone MRU : CH 103



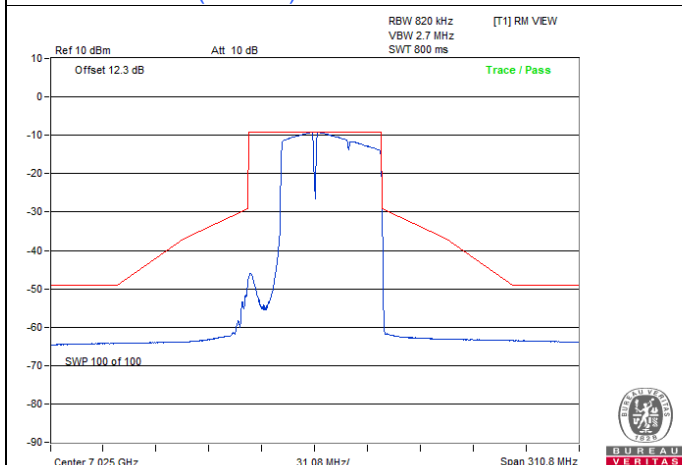
802.11be (EHT80) 484+242-tone MRU : CH 119



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



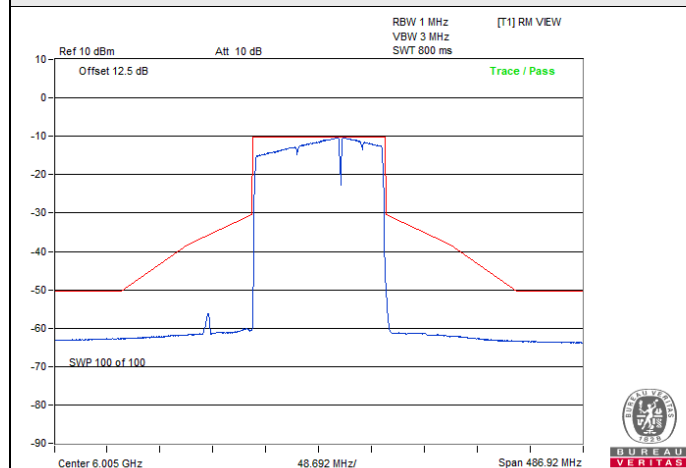
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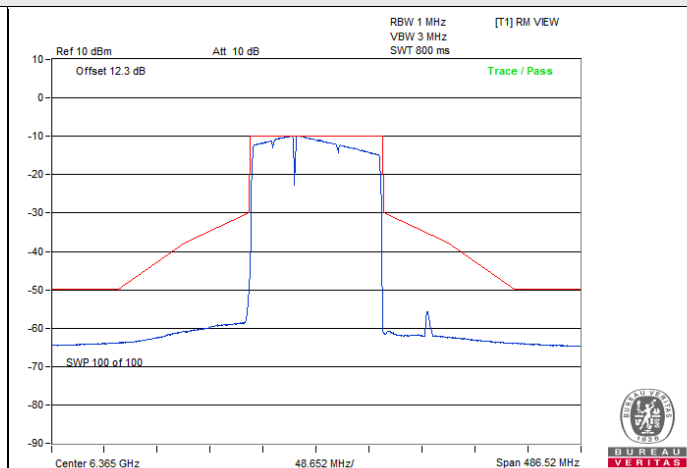
802.11be (EHT80) 484+242-tone MRU : CH 215

802.11be (EHT160) 996+484-tone MRU

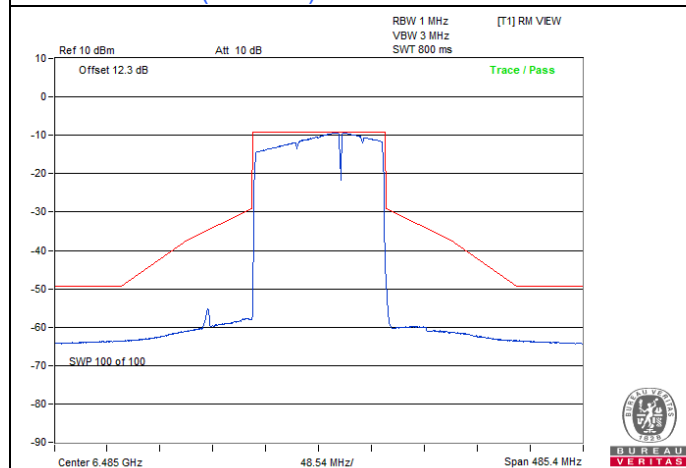
Spectrum Plot



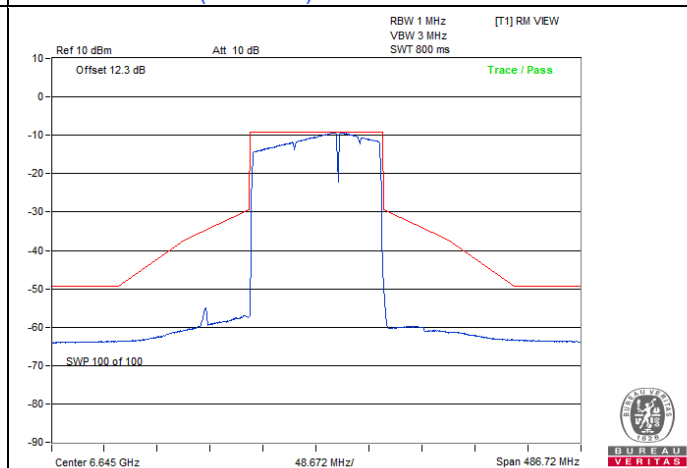
802.11be (EHT160) 996+484-tone MRU : CH 15



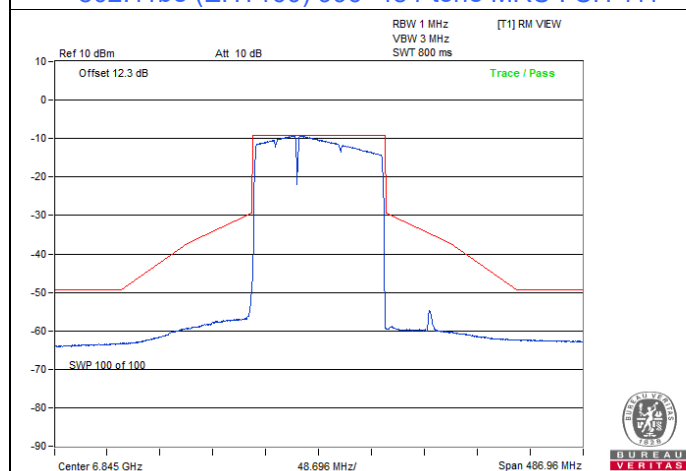
802.11be (EHT160) 996+484-tone MRU : CH 79



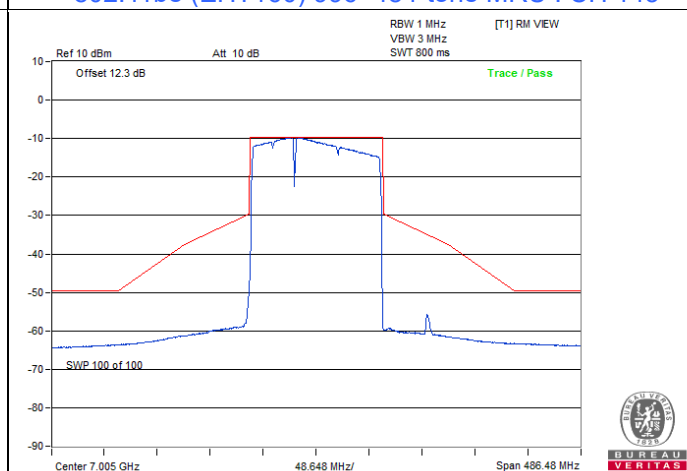
802.11be (EHT160) 996+484-tone MRU : CH 111



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



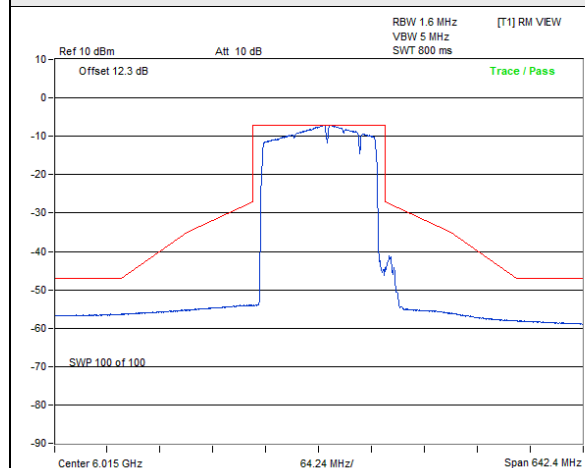
802.11be (EHT160) 996+484-tone MRU : CH 175



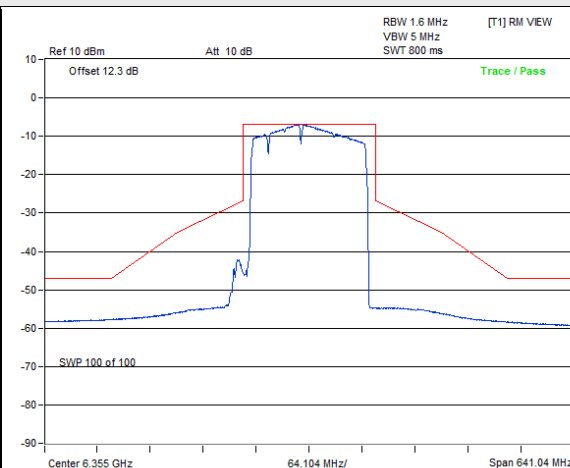
802.11be (EHT160) 996+484-tone MRU : CH 207

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

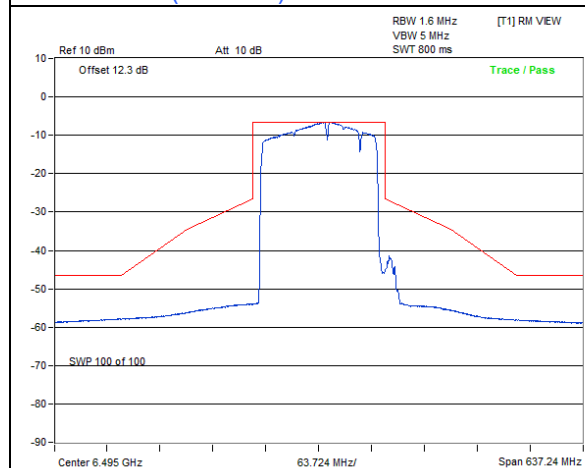
Spectrum Plot



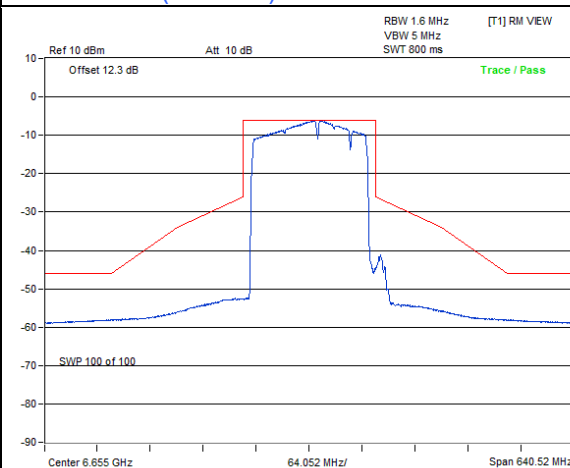
802.11be (EHT160) 996+484+242-tone MRU : CH 15



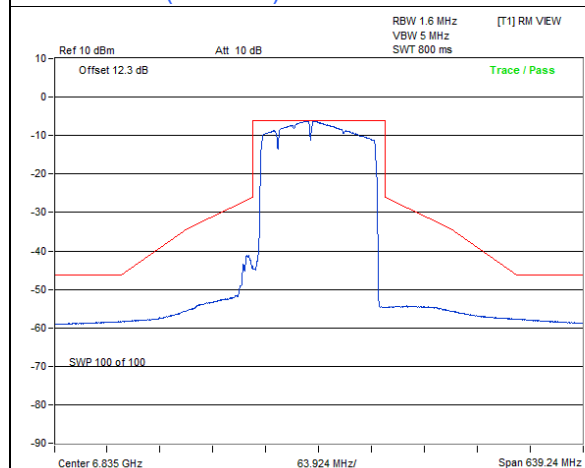
802.11be (EHT160) 996+484+242-tone MRU : CH 79



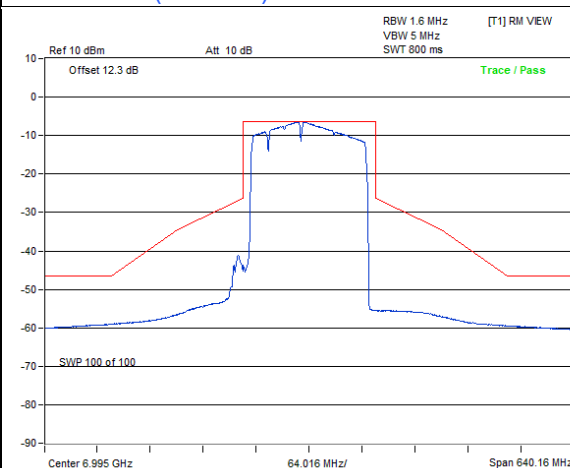
802.11be (EHT160) 996+484+242-tone MRU : CH 111



802.11be (EHT160) 996+484+242-tone MRU : CH 143



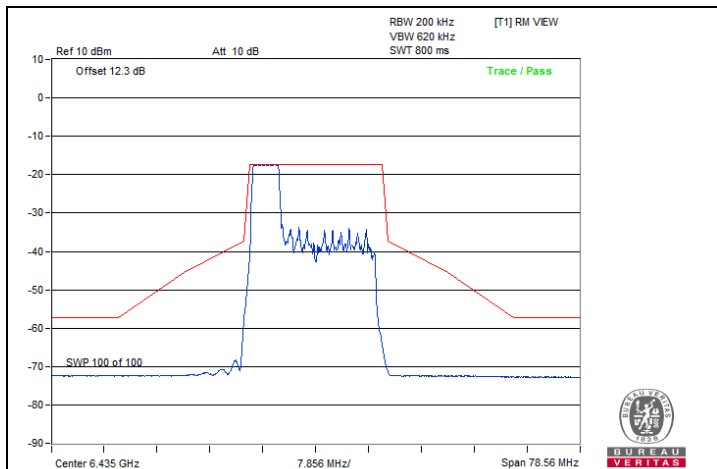
802.11be (EHT160) 996+484+242-tone MRU : CH 175



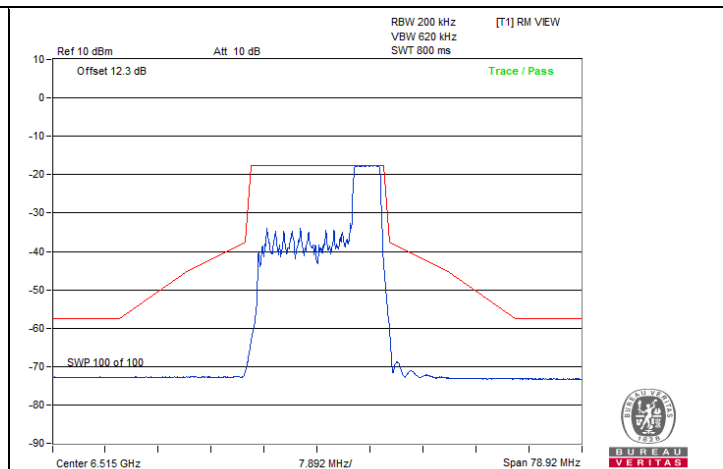
802.11be (EHT160) 996+484+242-tone MRU : CH 207

Input Power:	3.3 Vdc	Environmental Conditions:	22°C, 60% RH	Tested By:	Henry Hsu
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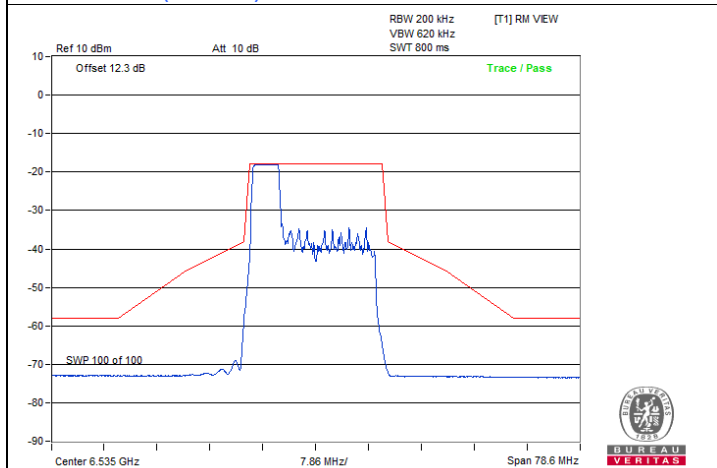
802.11a 2TX



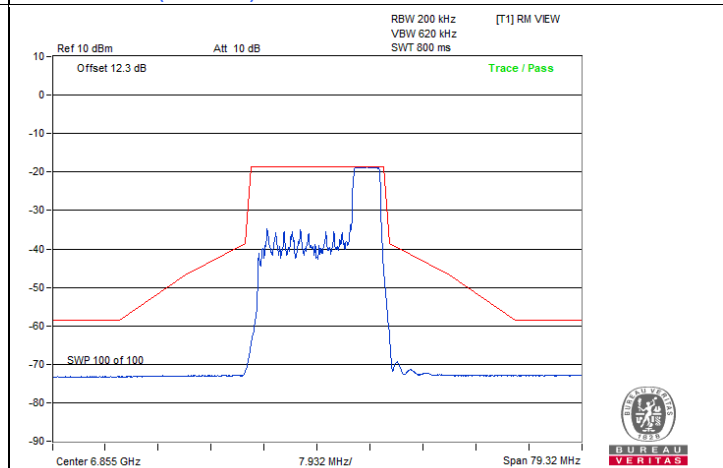
802.11be (EHT20) 52-tone RU 2S2T / Chain 0 : CH 97



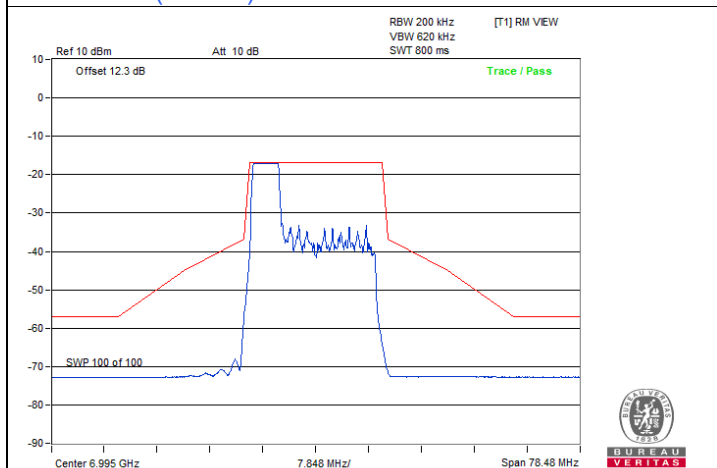
802.11be (EHT20) 52-tone RU 2S2T / Chain 0 : CH 113



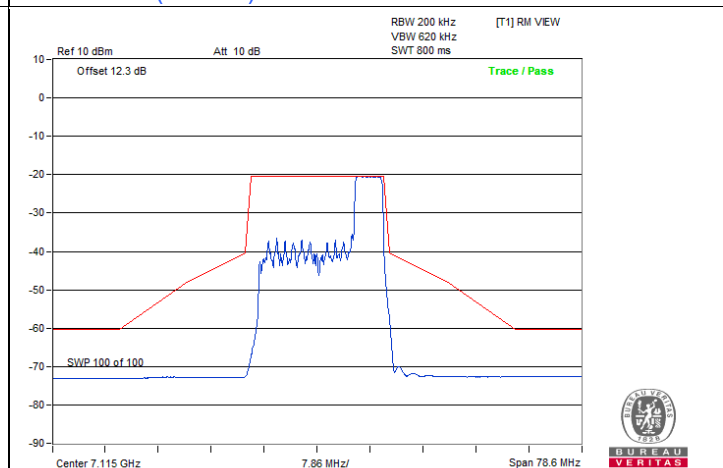
802.11be (EHT20) 52-tone RU 2S2T / Chain 0 : CH 117



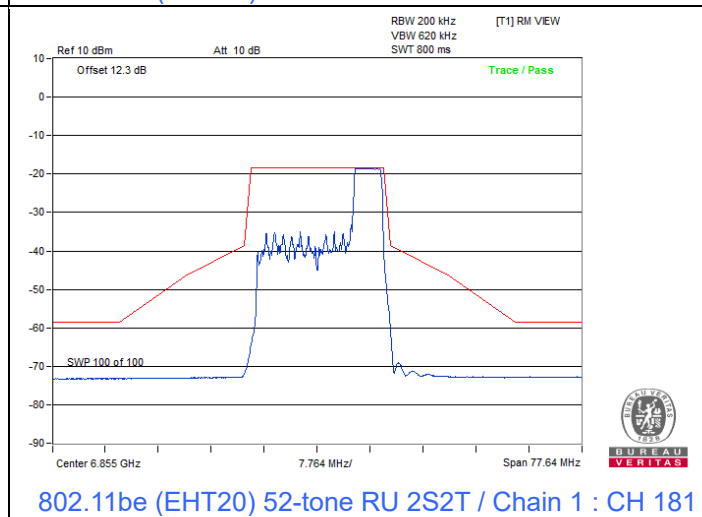
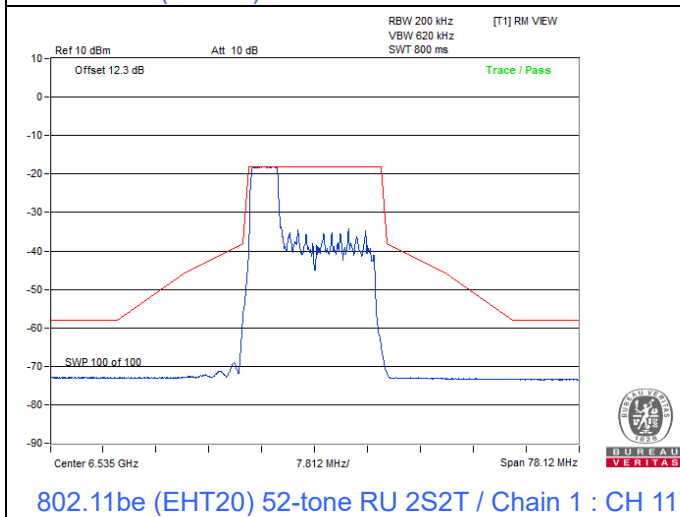
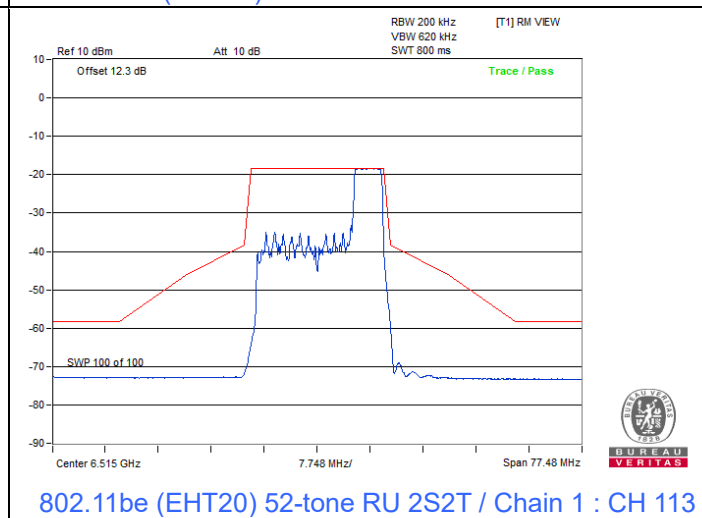
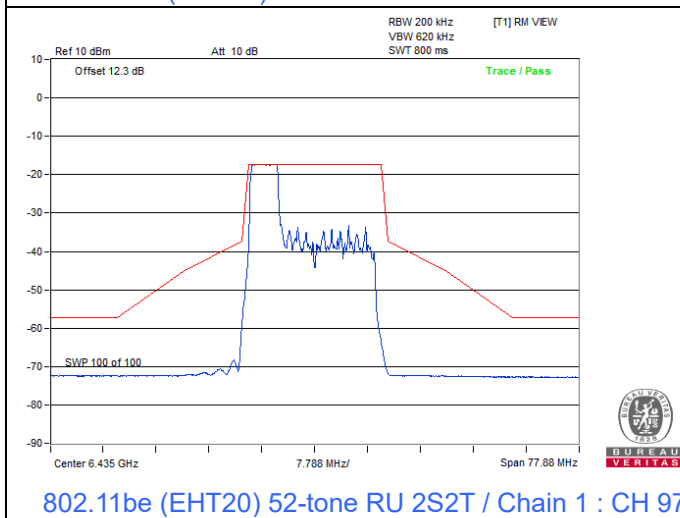
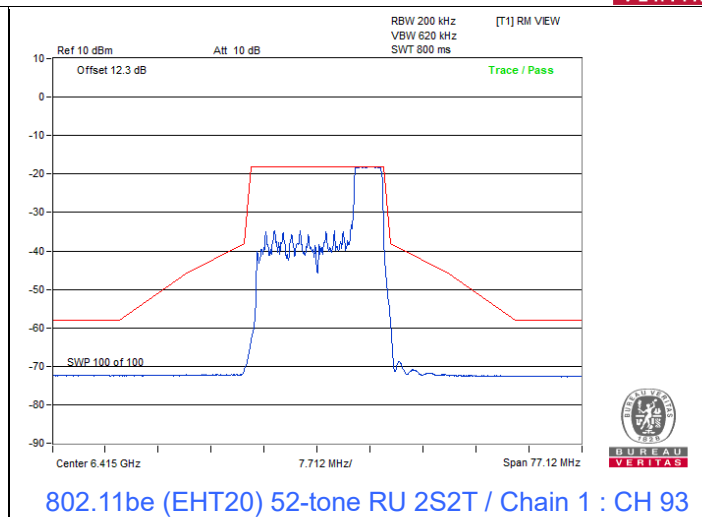
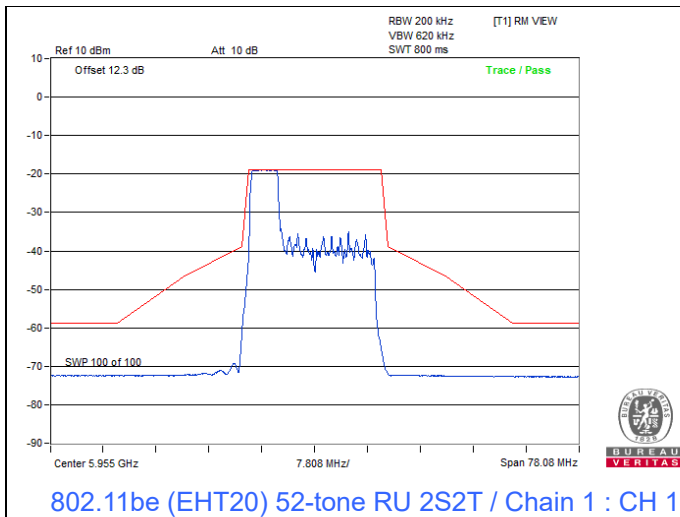
802.11be (EHT20) 52-tone RU 2S2T / Chain 0 : CH 181

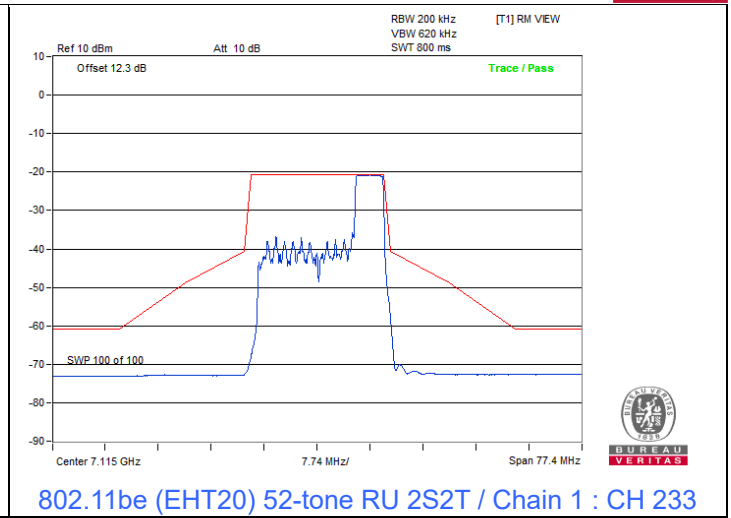
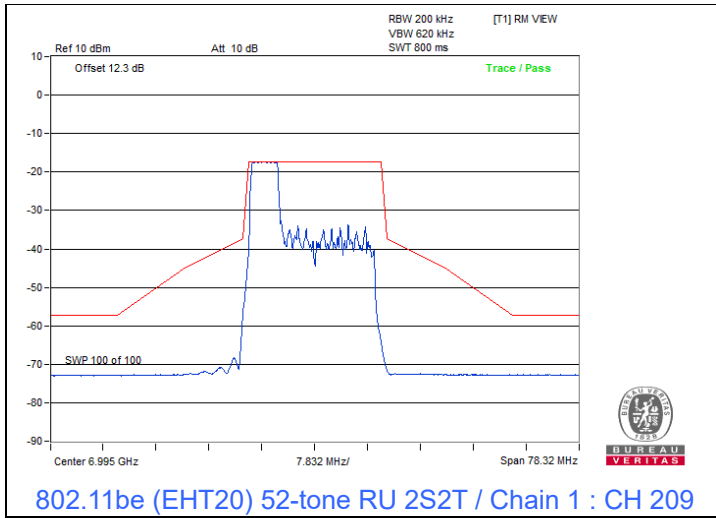


802.11be (EHT20) 52-tone RU 2S2T / Chain 0 : CH 209



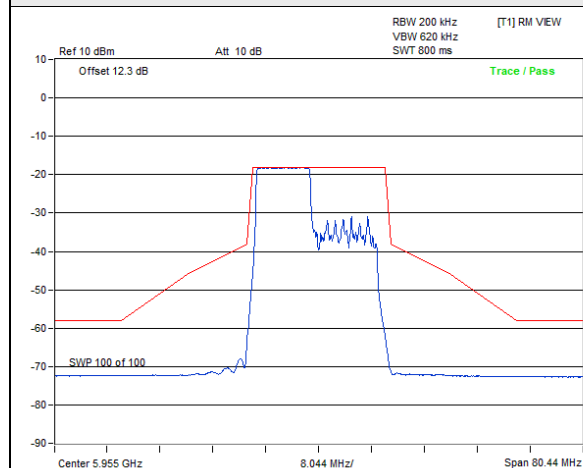
802.11be (EHT20) 52-tone RU 2S2T / Chain 0 : CH 233



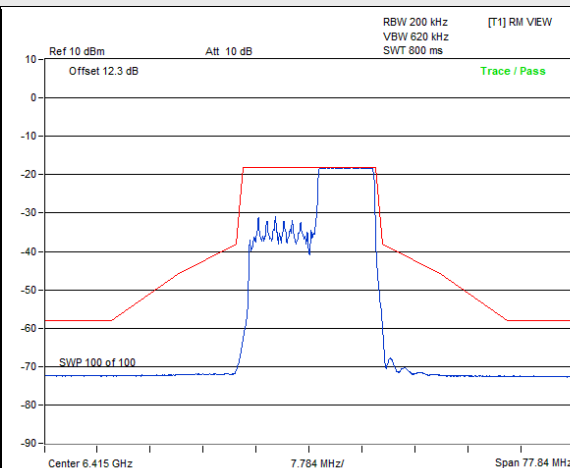


802.11be (EHT20) 106-tone RU 2S2T

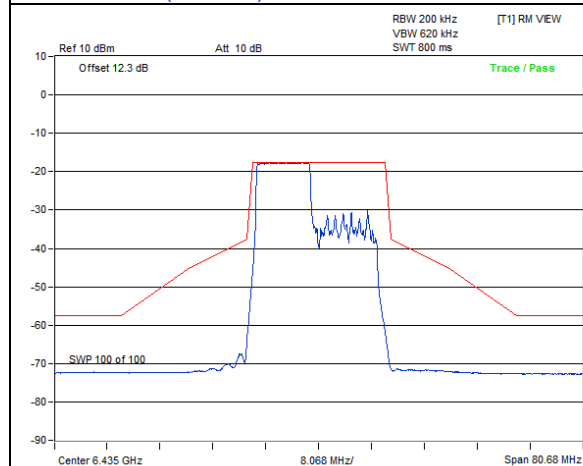
Spectrum Plot



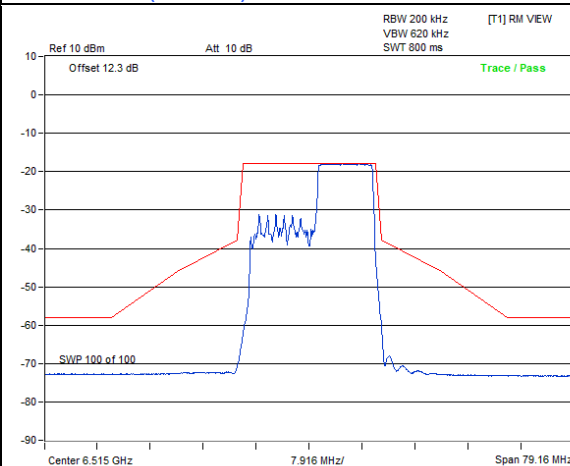
802.11be (EHT20) 106-tone RU 2S2T / Chain 0 : CH 1



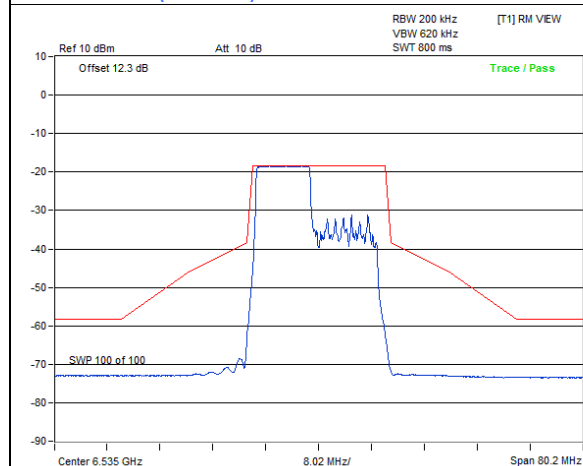
802.11be (EHT20) 106-tone RU 2S2T / Chain 0 : CH 93



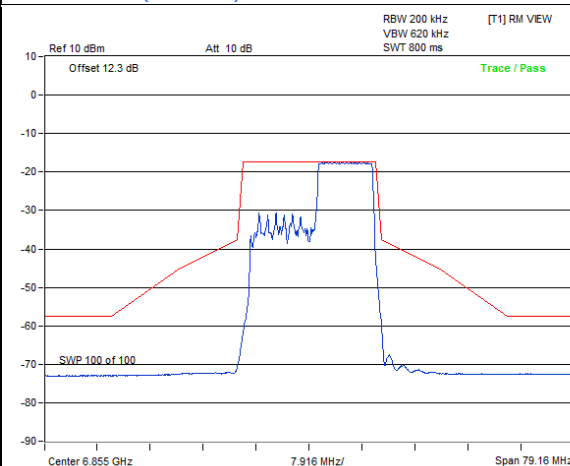
802.11be (EHT20) 106-tone RU 2S2T / Chain 0 : CH 97



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

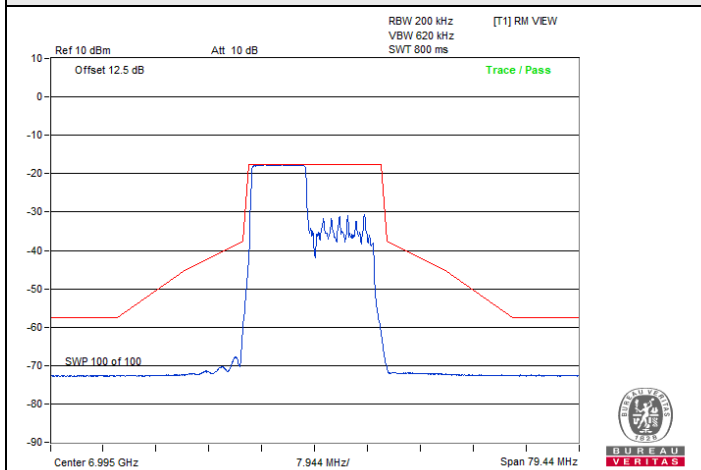


802.11be (EHT20) 106-tone RU 2S2T / Chain 0 : CH 117

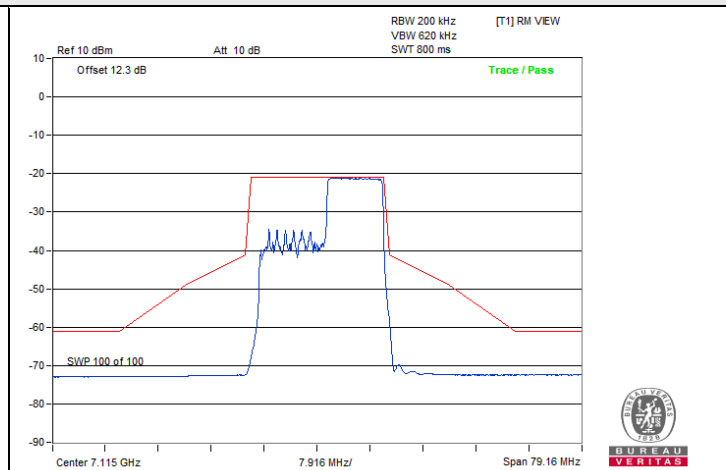


802.11be (EHT20) 106-tone RU 2S2T / Chain 0 : CH 181

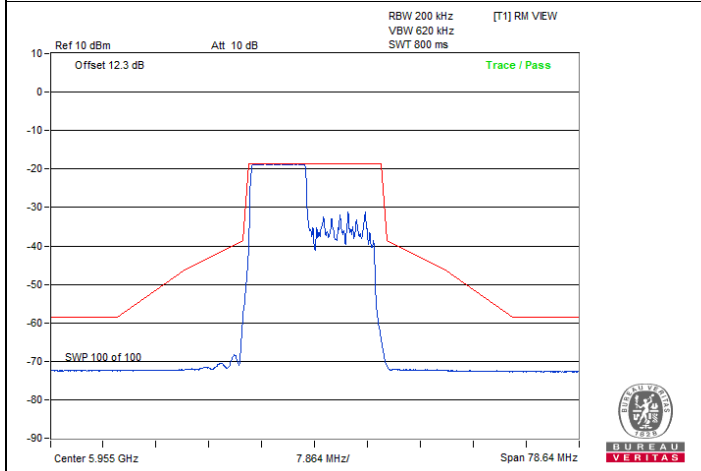
Spectrum Plot



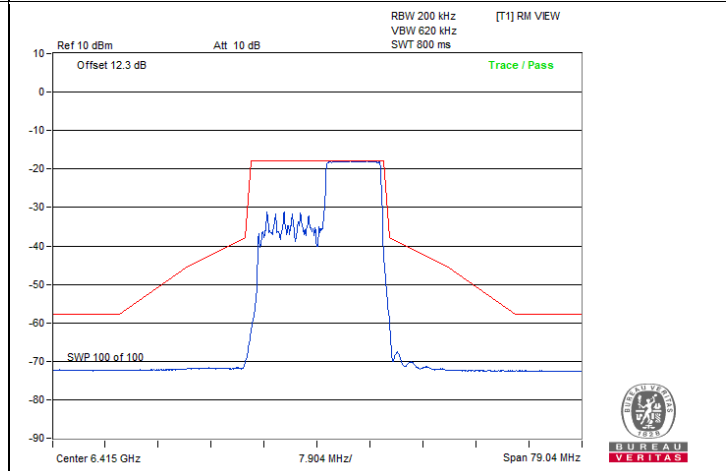
802.11be (EHT20) 106-tone RU 2S2T / Chain 0 : CH 209



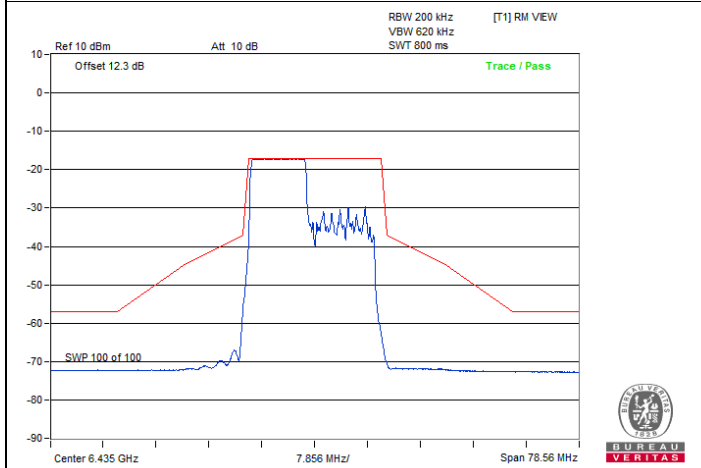
802.11be (EHT20) 106-tone RU 2S2T / Chain 0 : CH 233



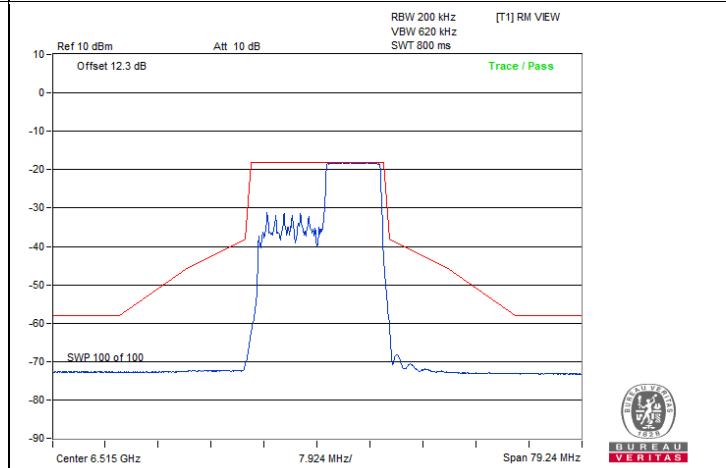
802.11be (EHT20) 106-tone RU 2S2T / Chain 1 : CH 1



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

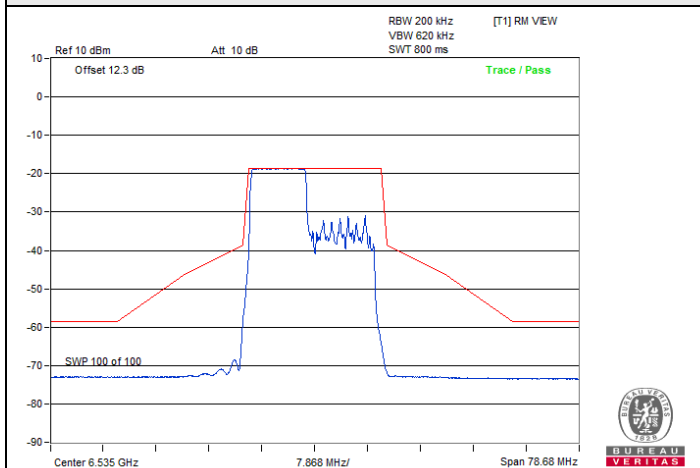


802.11be (EHT20) 106-tone RU 2S2T / Chain 1 : CH 97

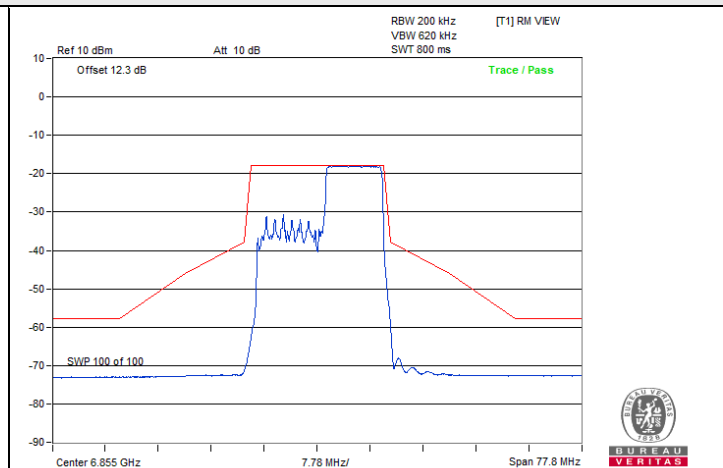


802.11be (EHT20) 106-tone RU 2S2T / Chain 1 : CH 113

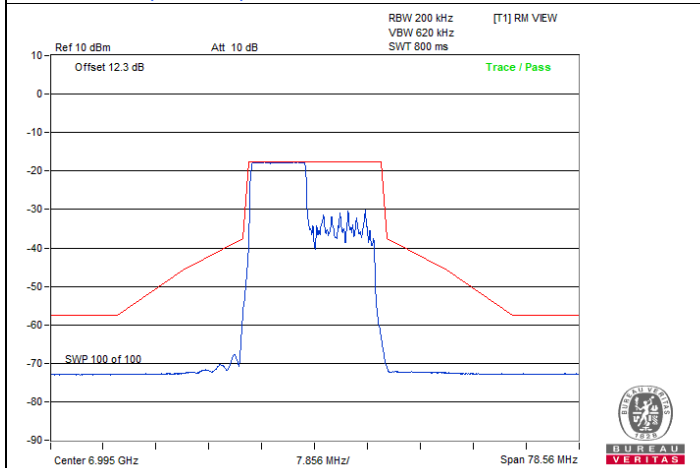
Spectrum Plot



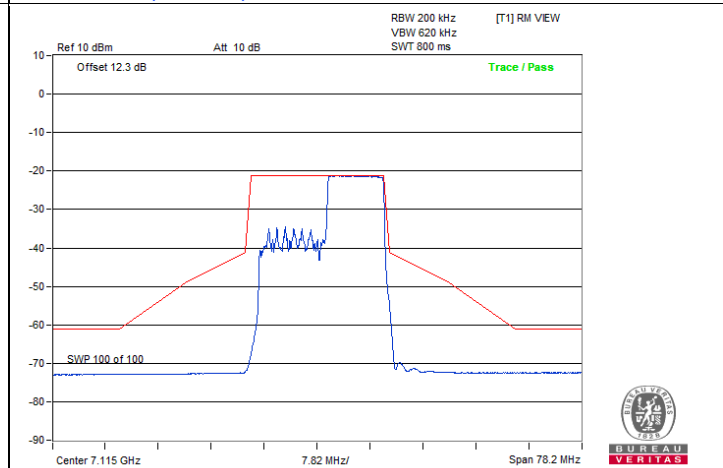
802.11be (EHT20) 106-tone RU 2S2T / Chain 1 : CH 117



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

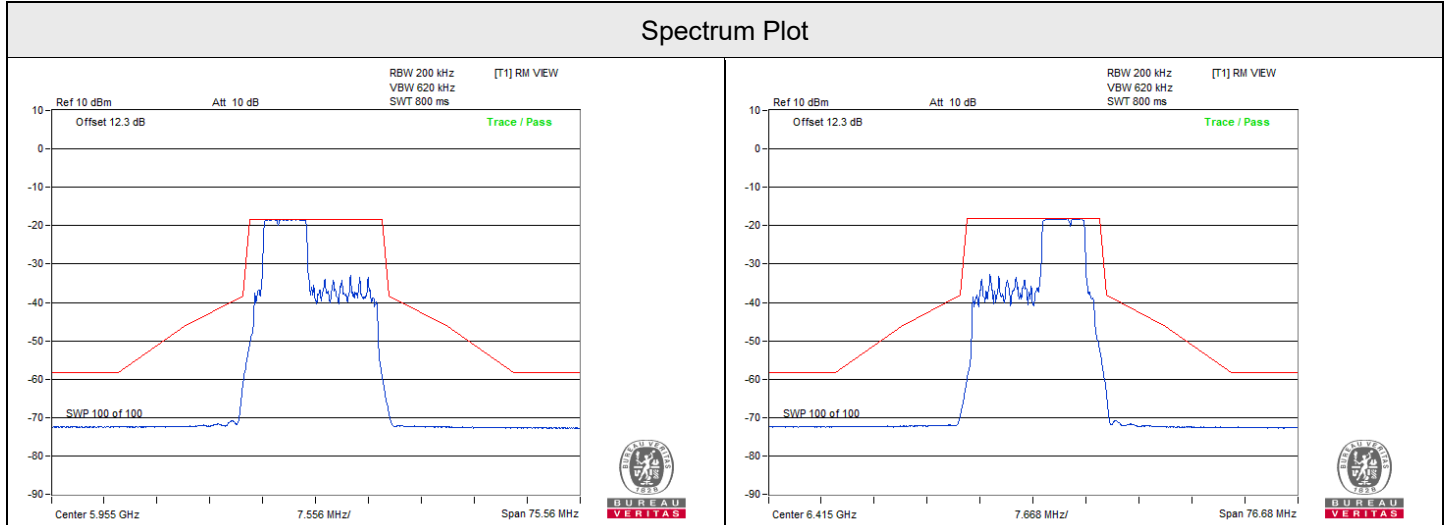


802.11be (EHT20) 106-tone RU 2S2T / Chain 1 : CH 209

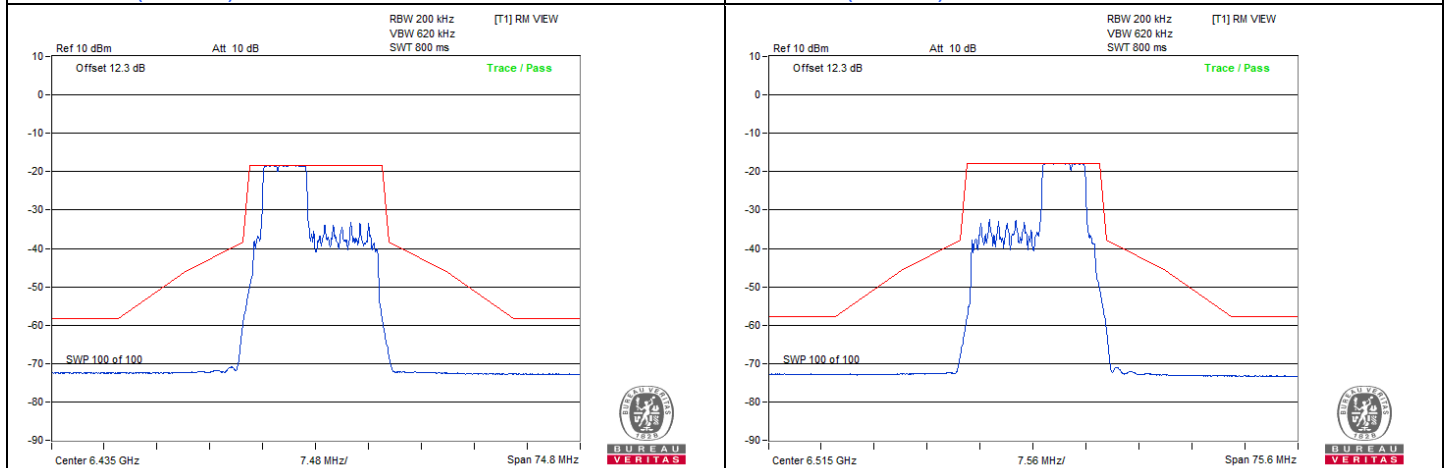


802.11be (EHT20) 106-tone RU 2S2T / Chain 1 : CH 233

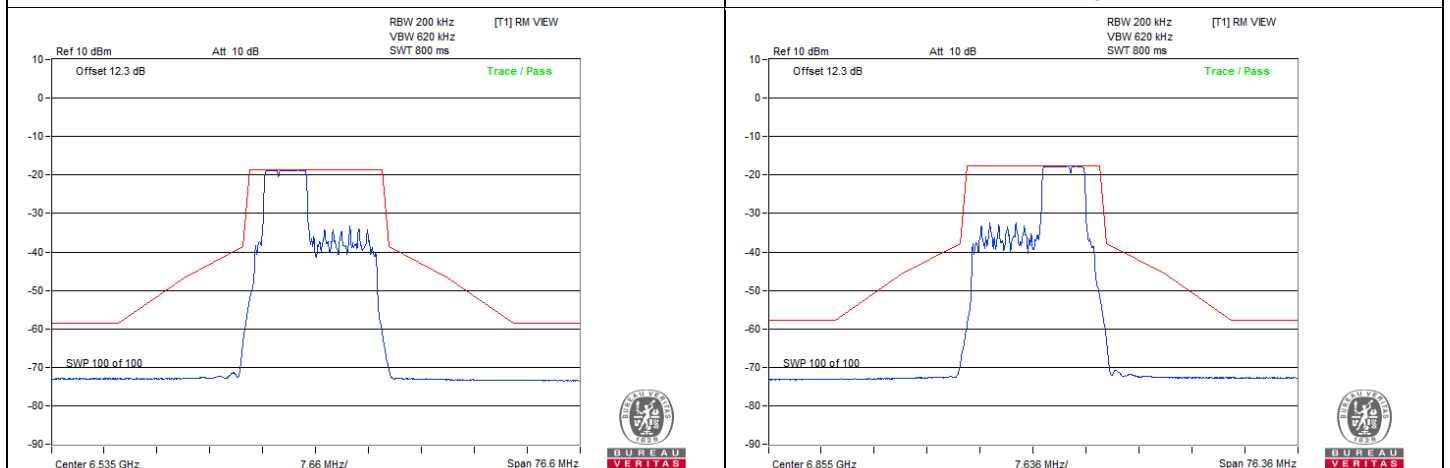
802.11be (EHT20) 52+26-tone MRU 2S2T



802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 0 : CH 1 802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 0 : CH 93



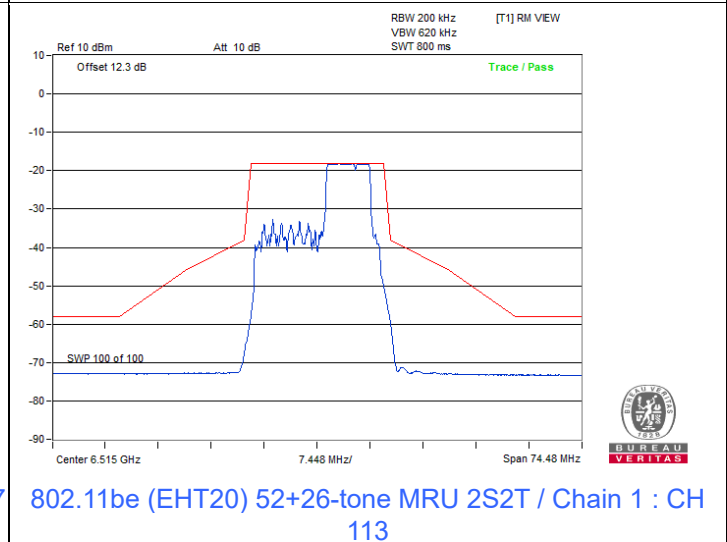
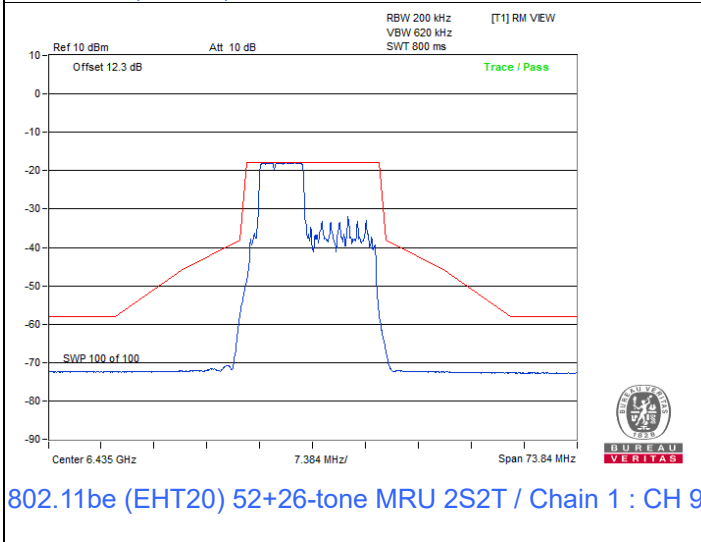
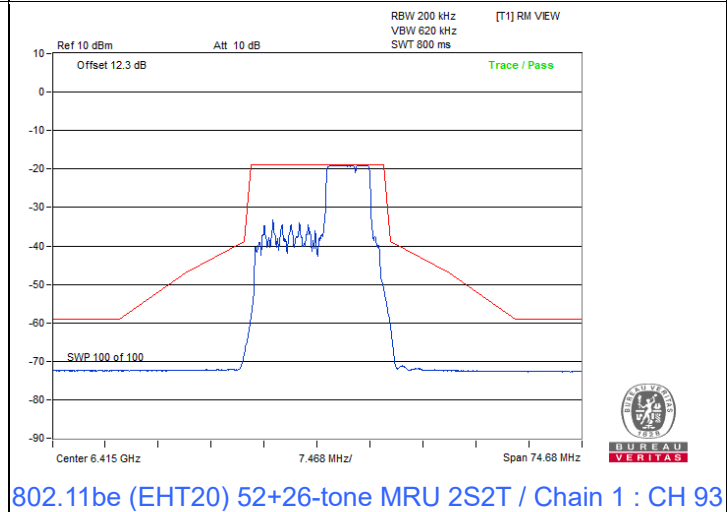
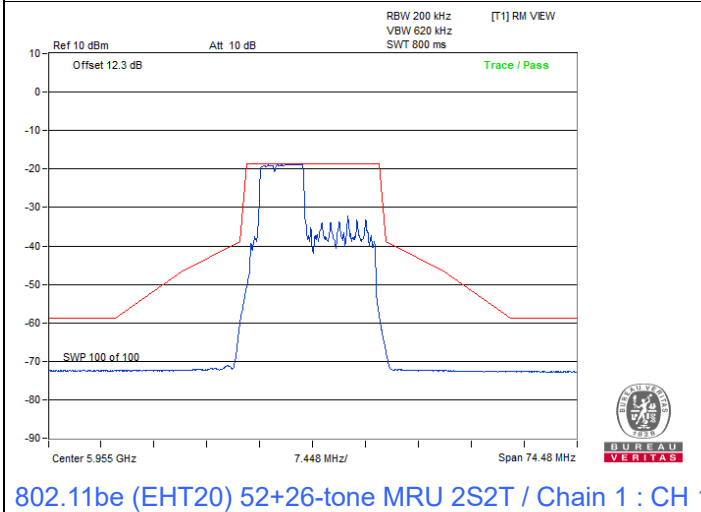
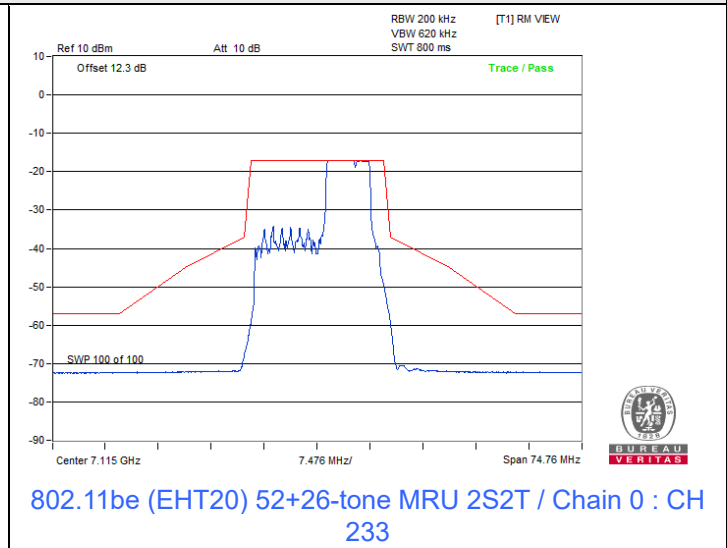
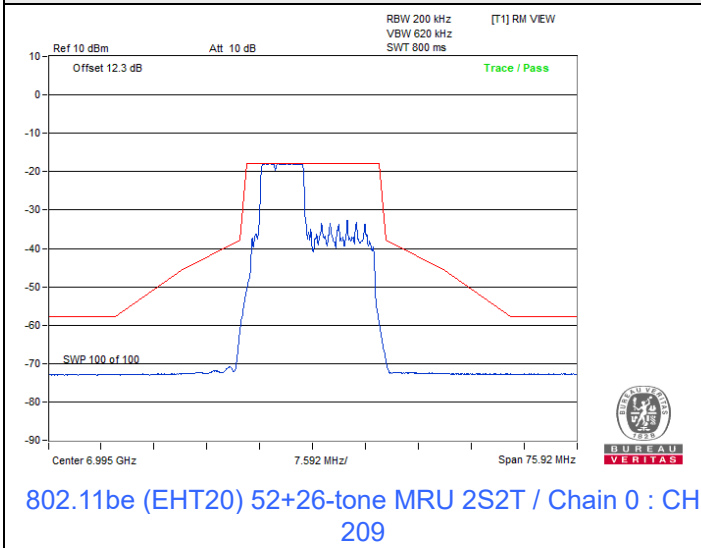
802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 0 : CH 97 802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 0 : CH 113



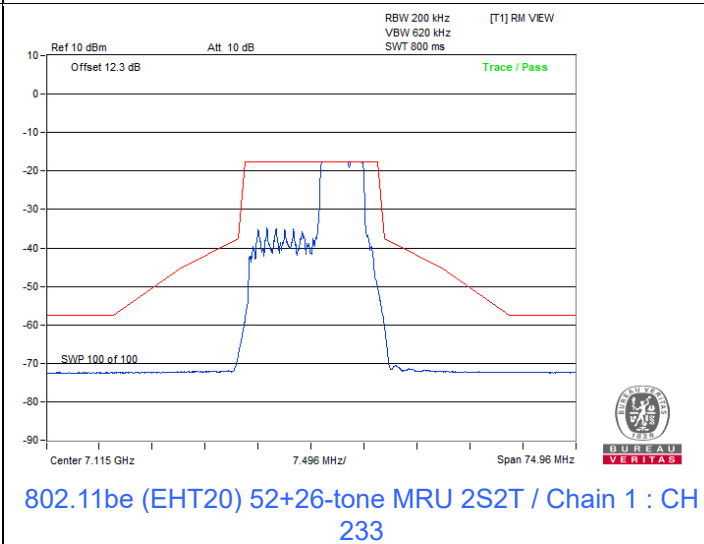
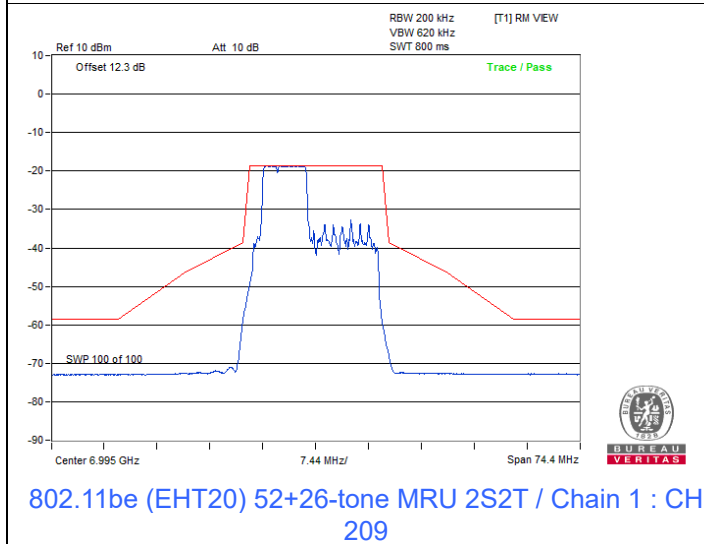
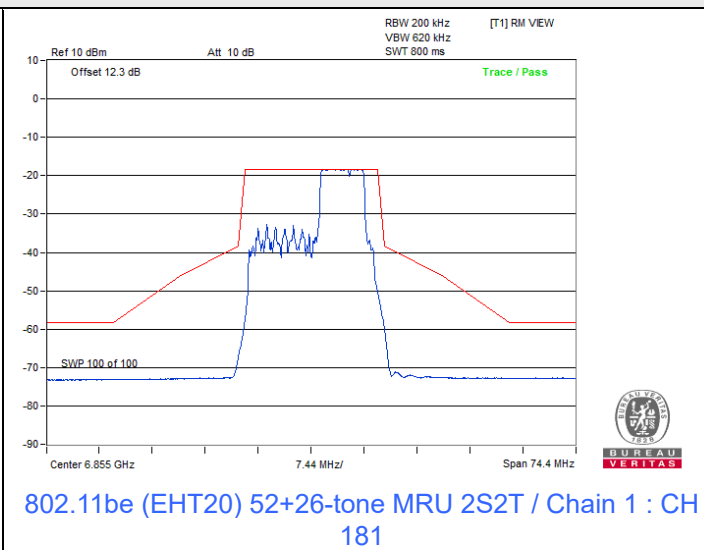
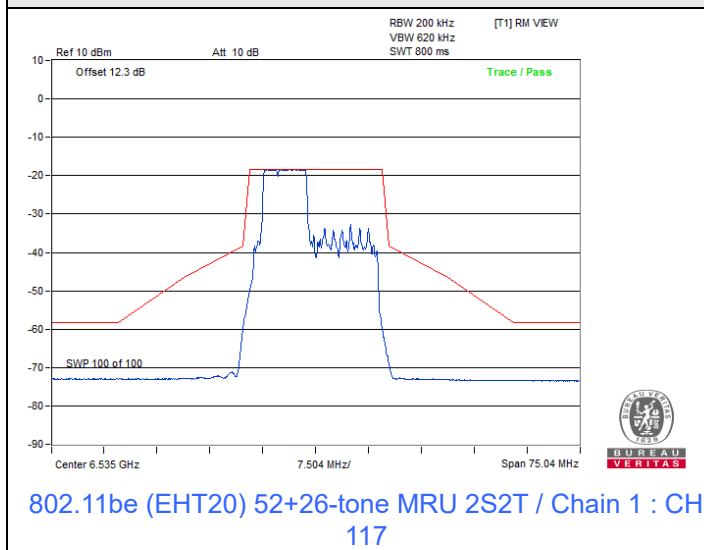
802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 0 : CH 117

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

Spectrum Plot

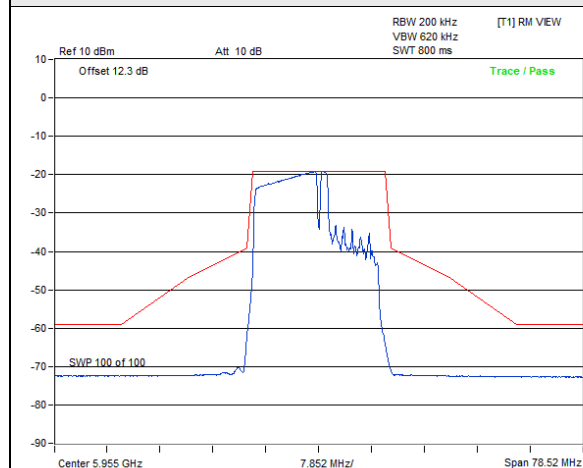


Spectrum Plot

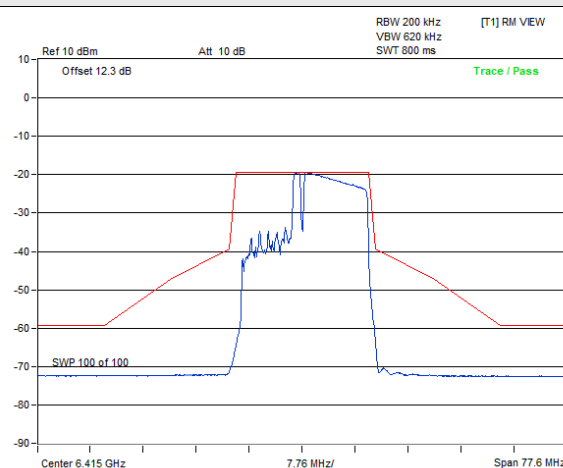


802.11be (EHT20) 106+26-tone MRU 2S2T

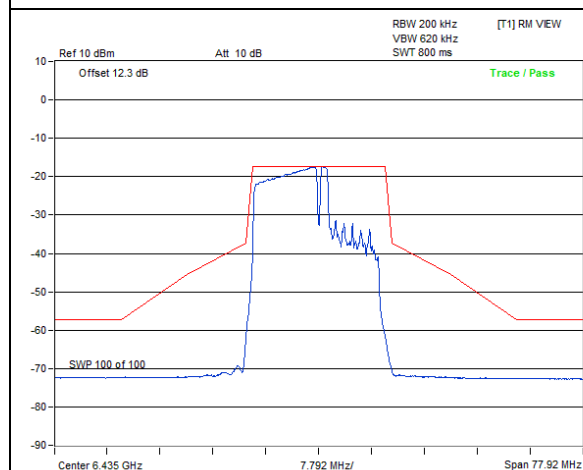
Spectrum Plot



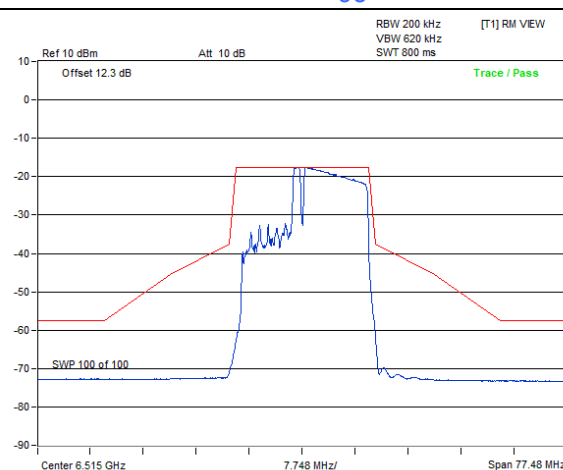
802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 0 : CH 1



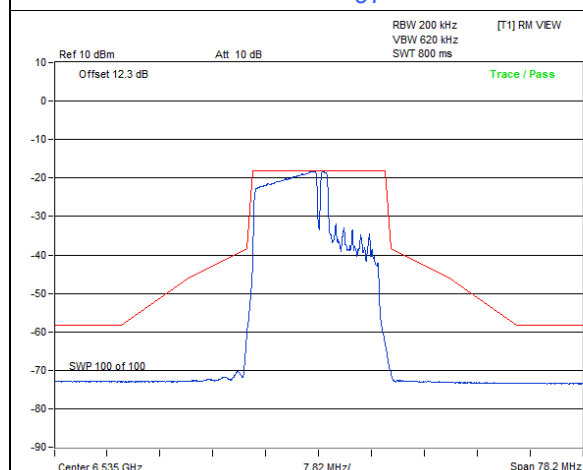
802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 0 : CH 93



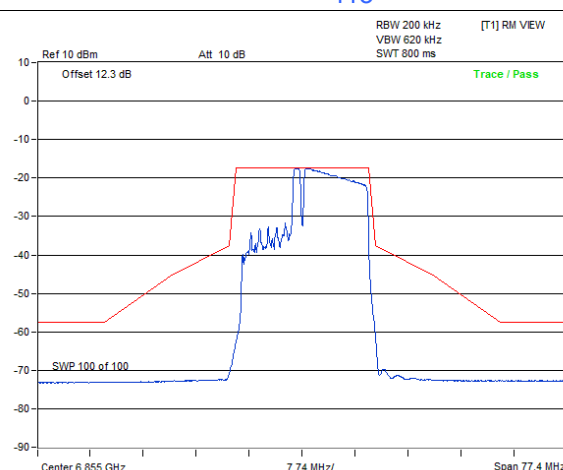
802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 0 : CH 97



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

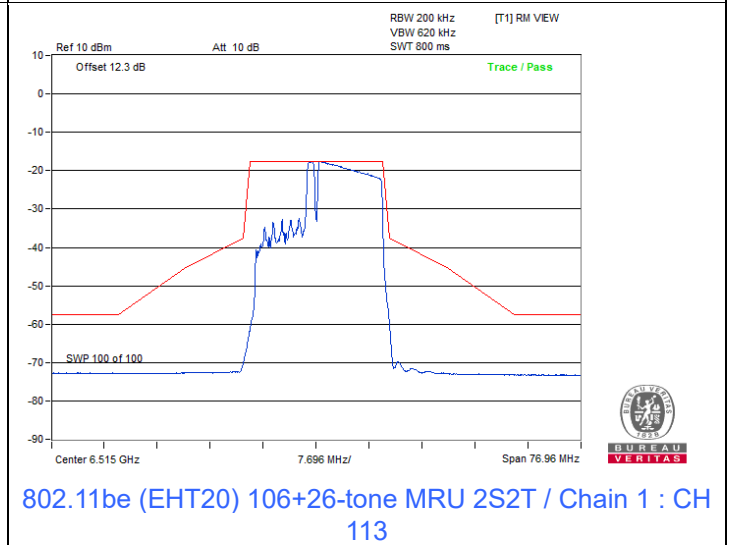
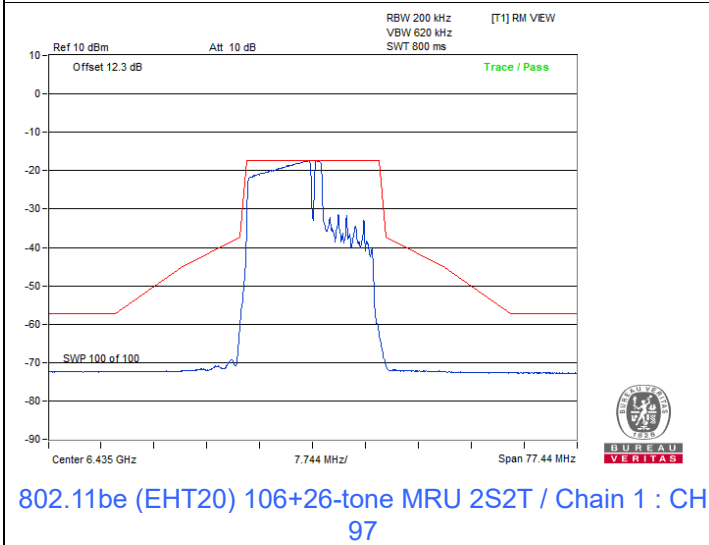
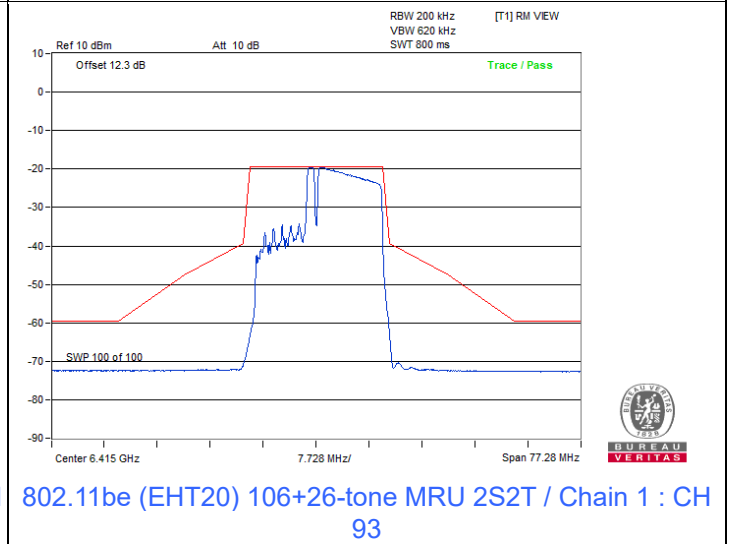
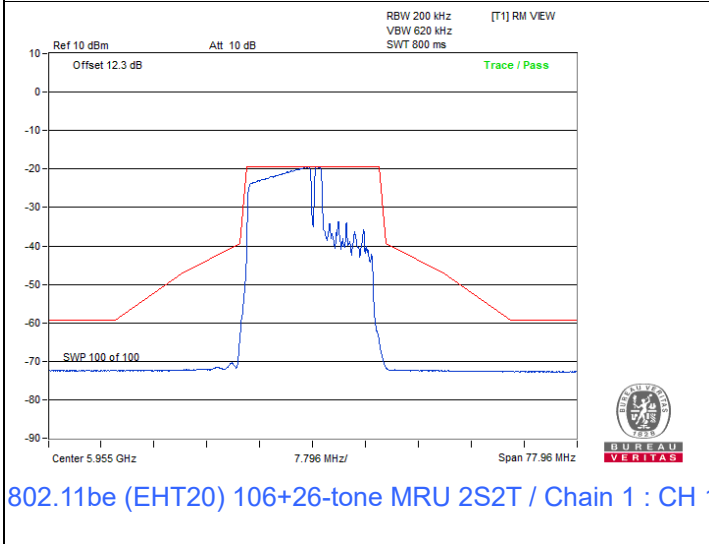
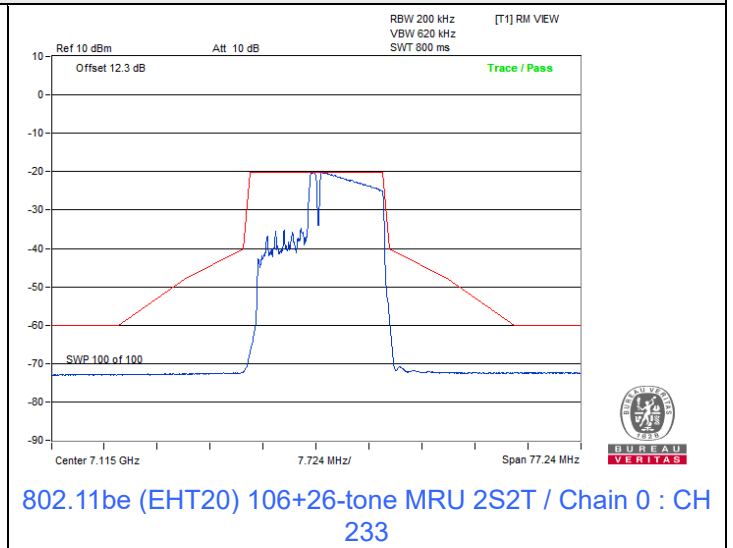
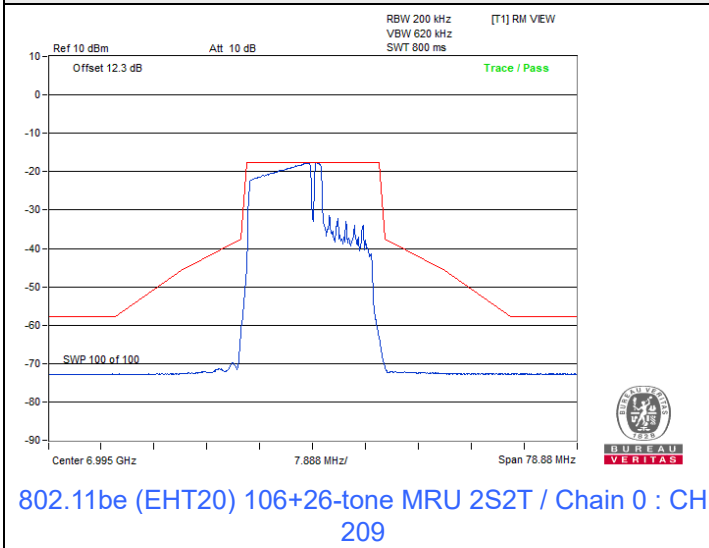


802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 0 : CH 117

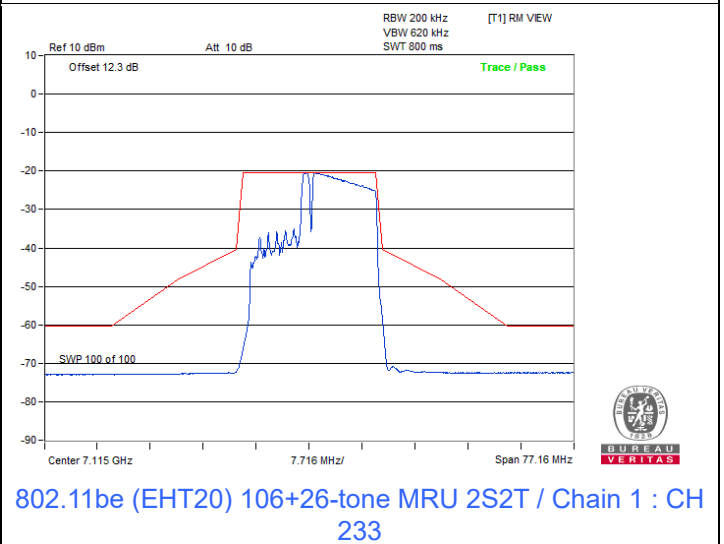
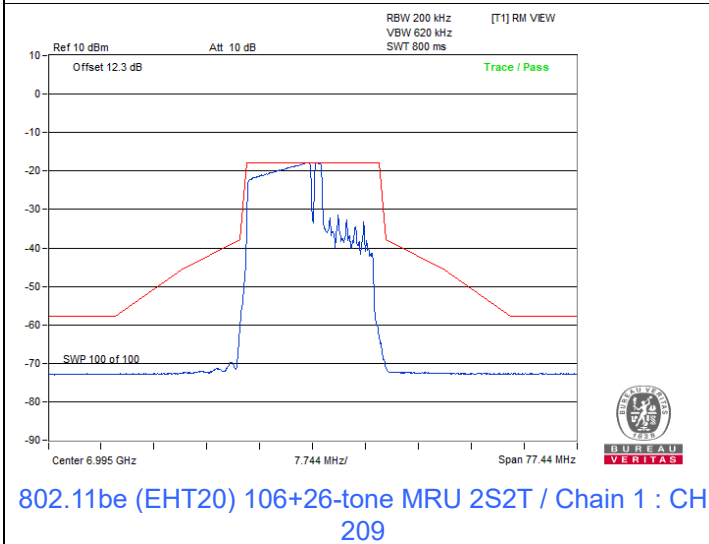
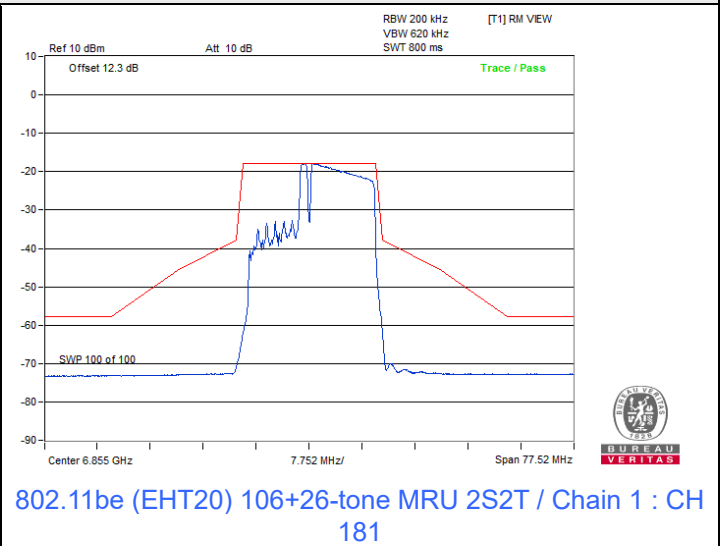
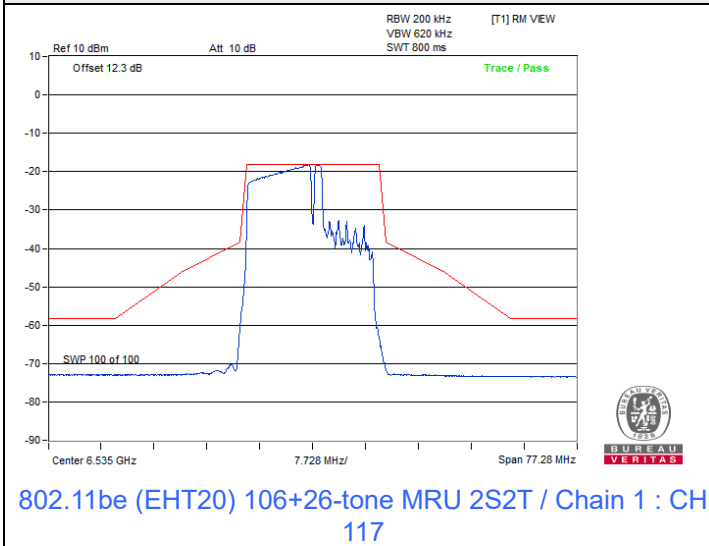


802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 0 : CH 181

Spectrum Plot

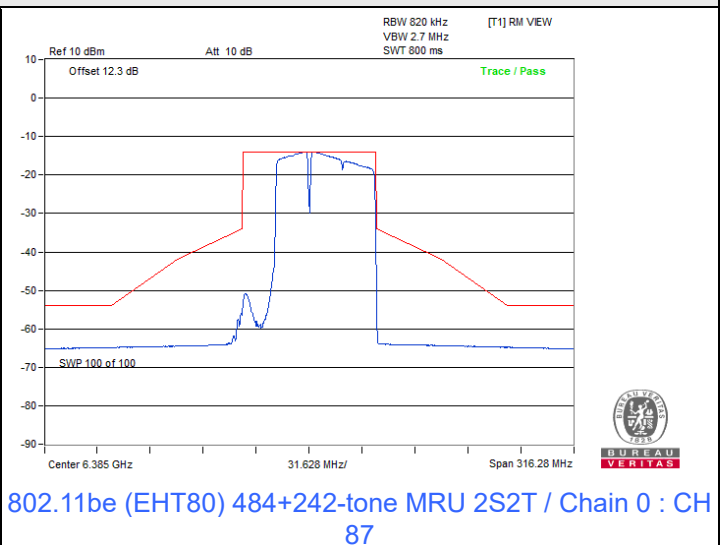
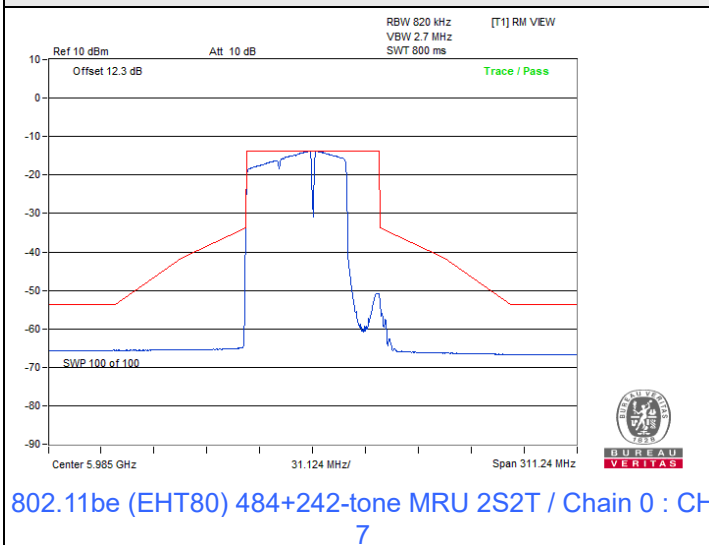


Spectrum Plot

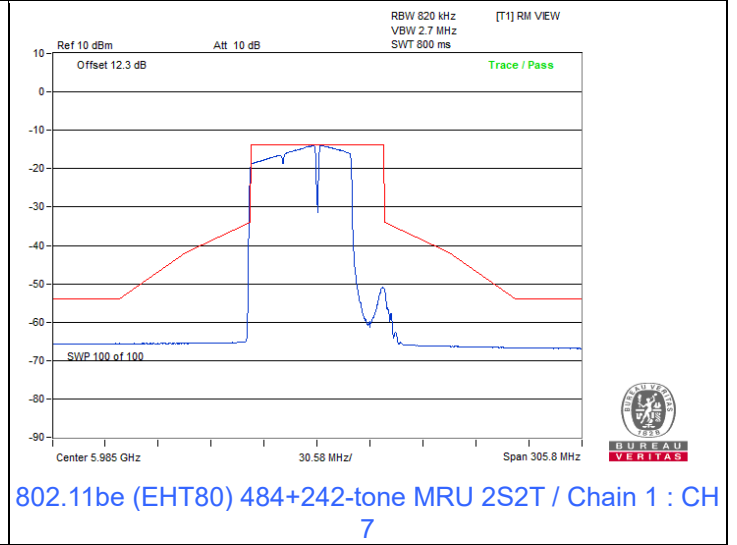
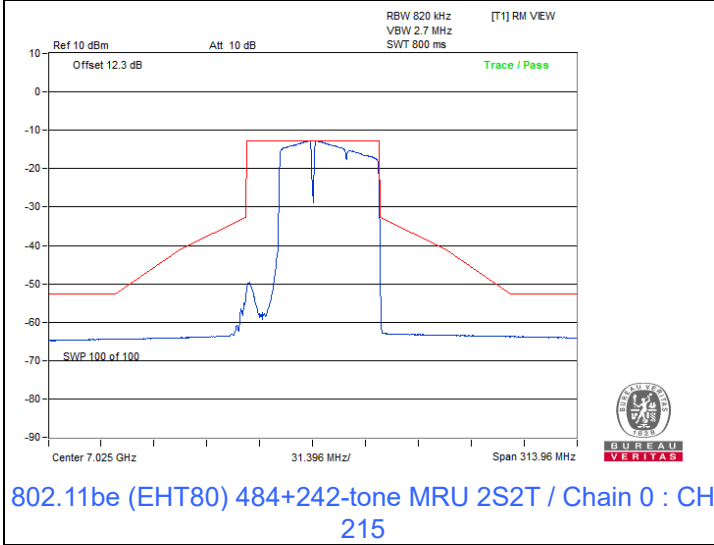
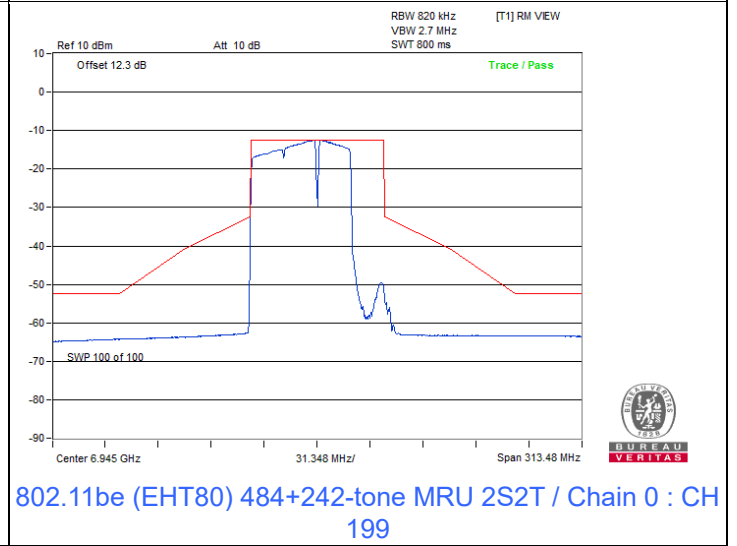
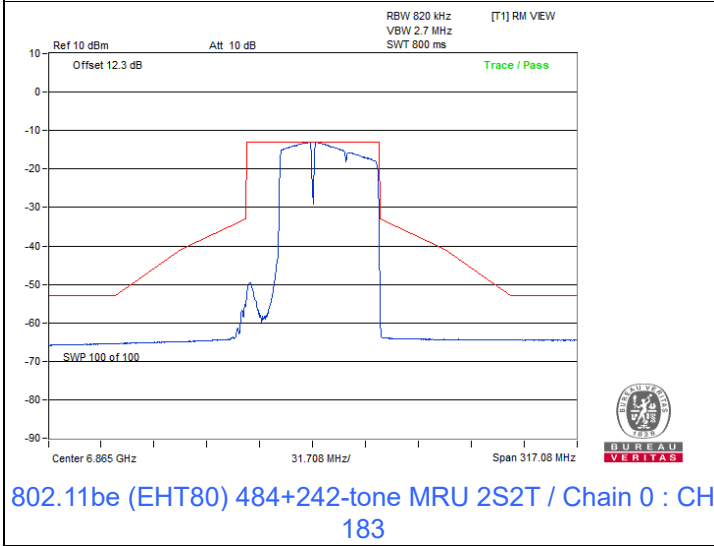
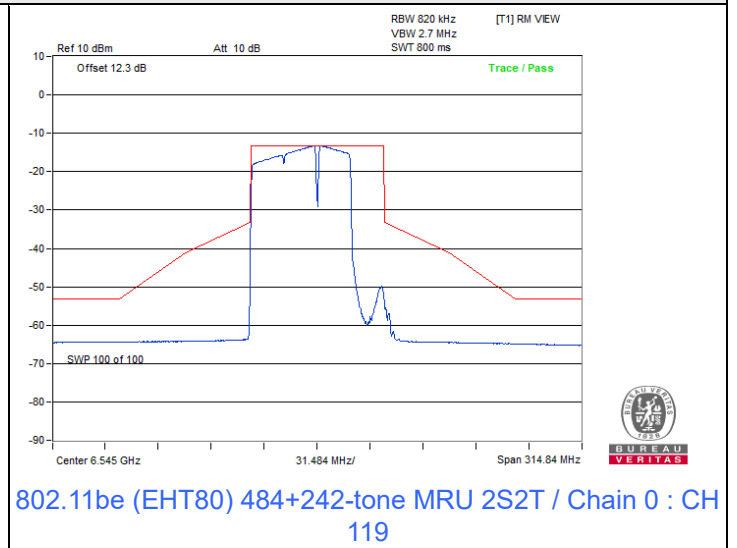
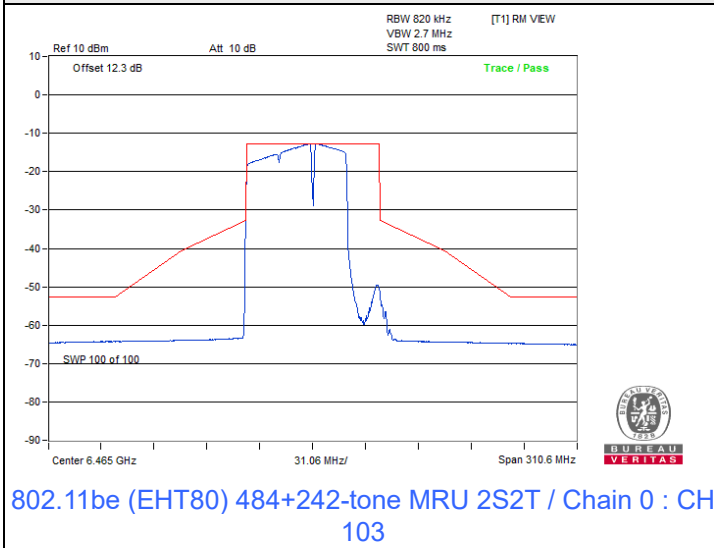


802.11be (EHT80) 484+242-tone MRU 2S2T

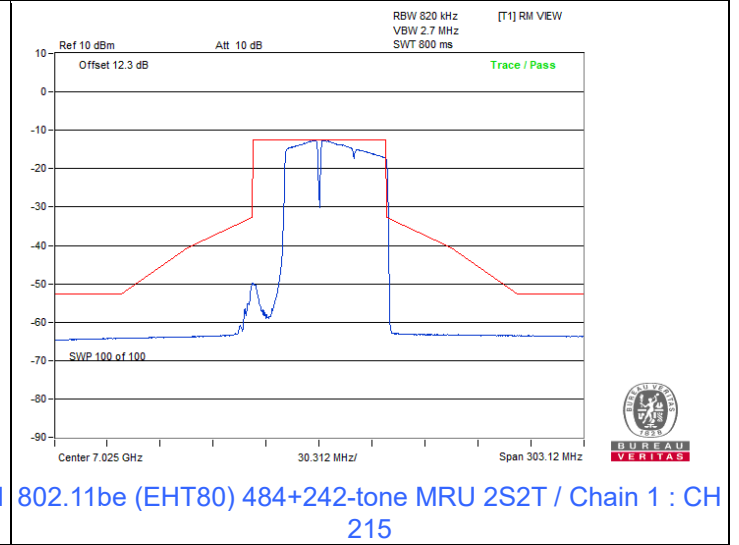
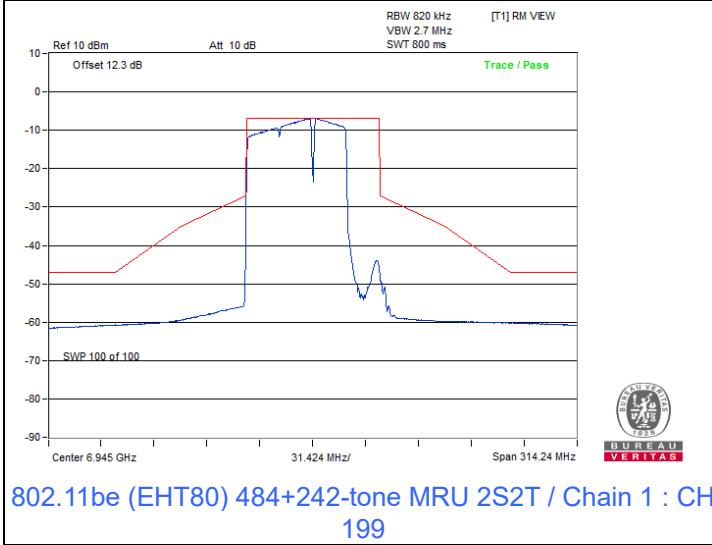
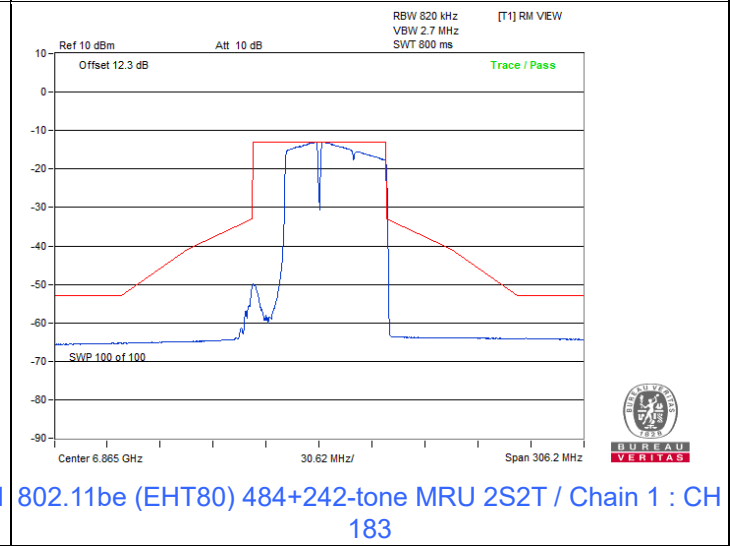
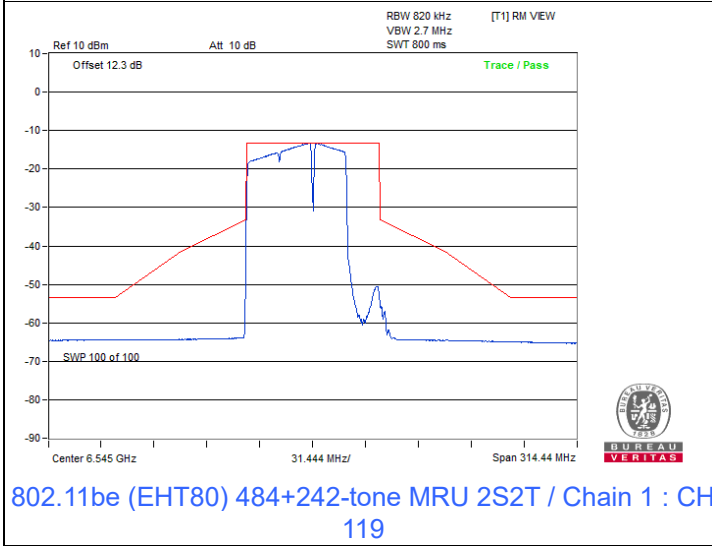
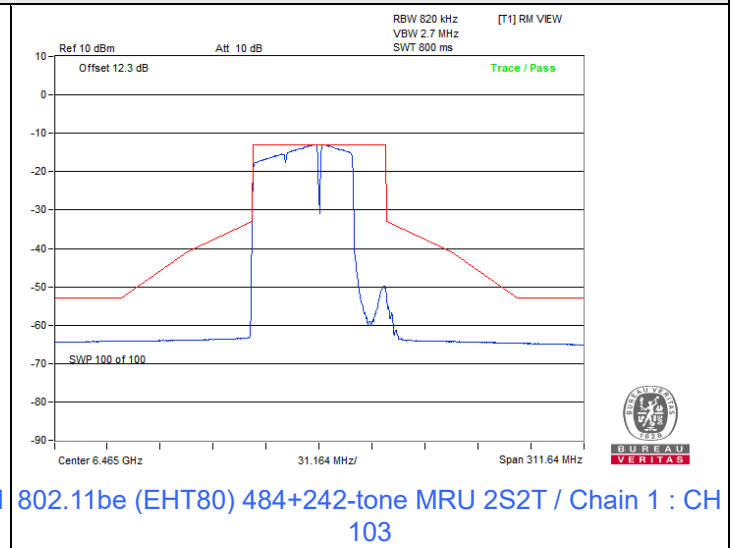
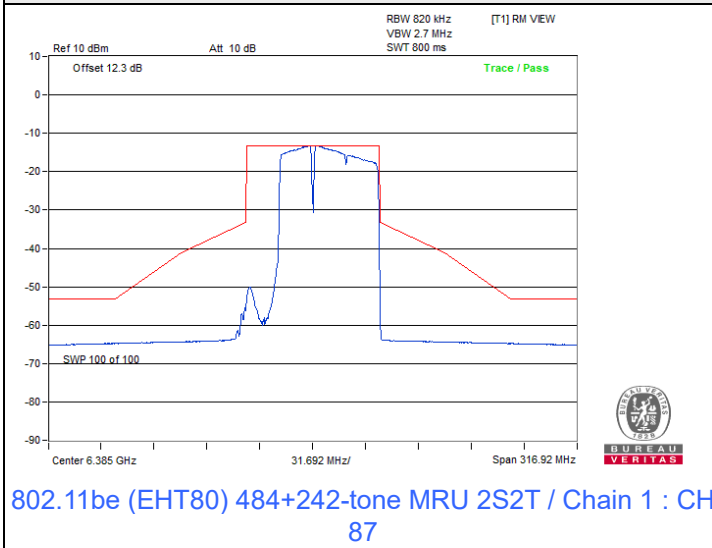
Spectrum Plot



Spectrum Plot

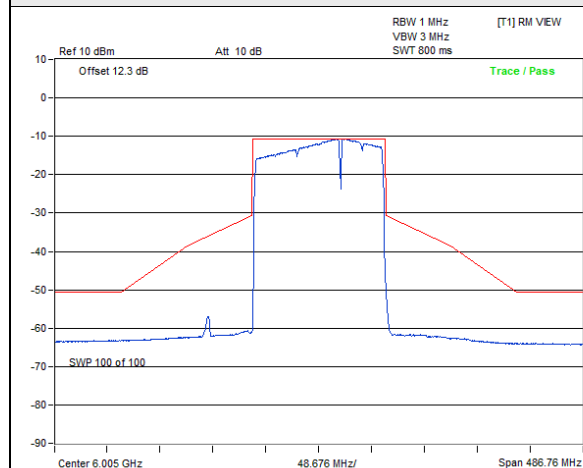


Spectrum Plot

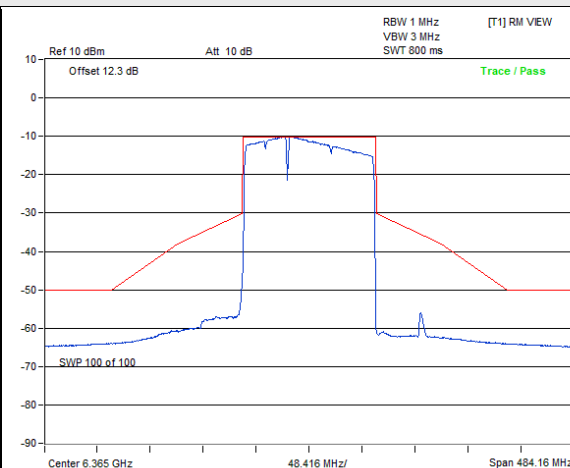


802.11be (EHT160) 996+484-tone MRU 2S2T

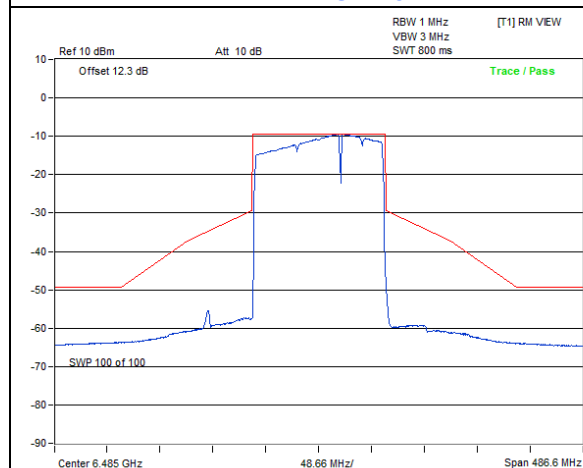
Spectrum Plot



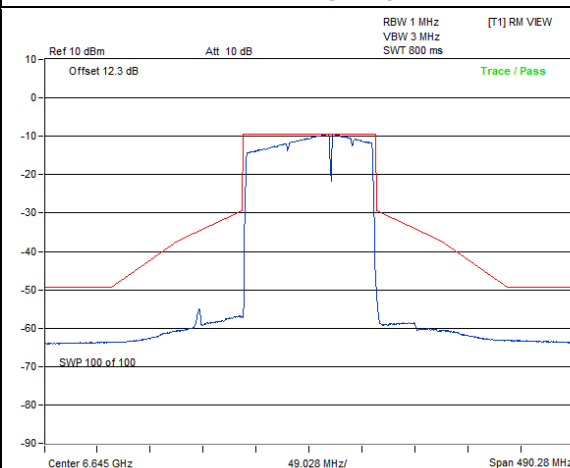
802.11be (EHT160) 996+484-tone MRU 2S2T / Chain 0 :
CH 15



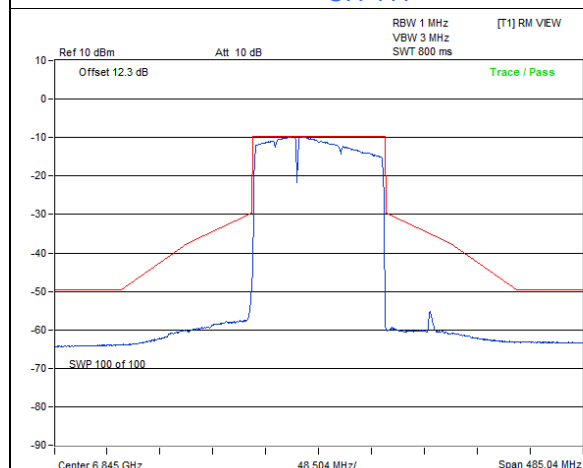
802.11be (EHT160) 996+484-tone MRU 2S2T / Chain 0 :
CH 79



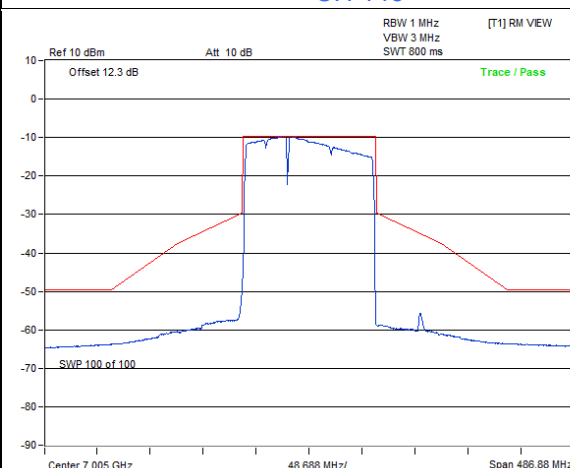
802.11be (EHT160) 996+484-tone MRU 2S2T / Chain 0 :
CH 111



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

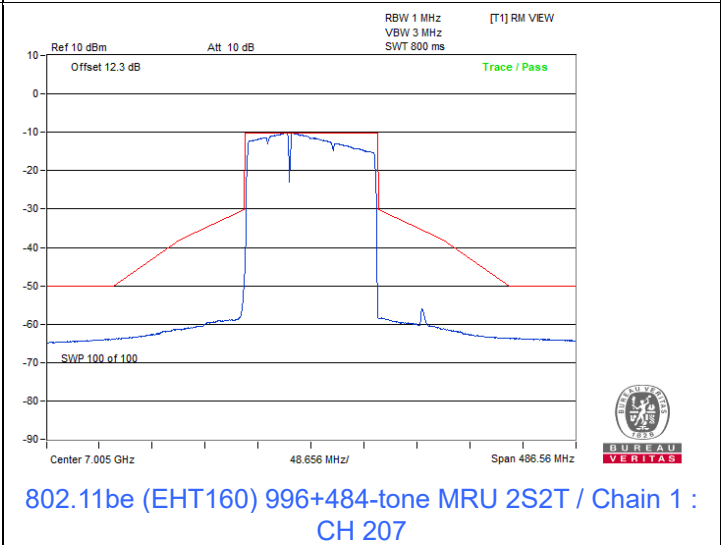
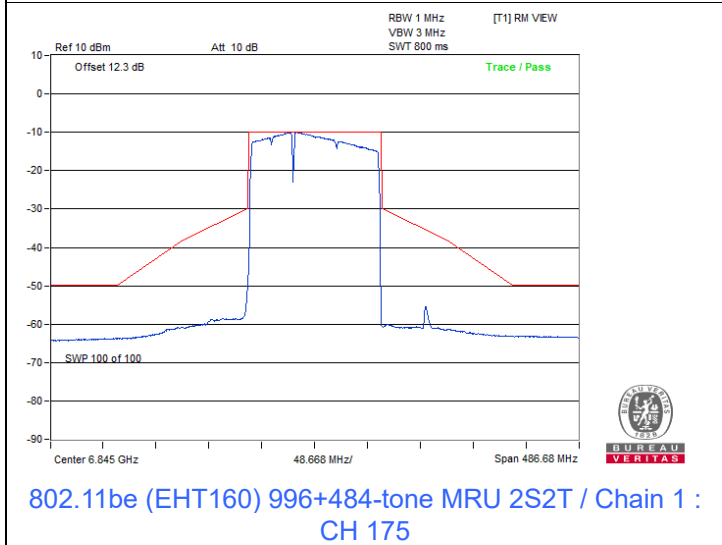
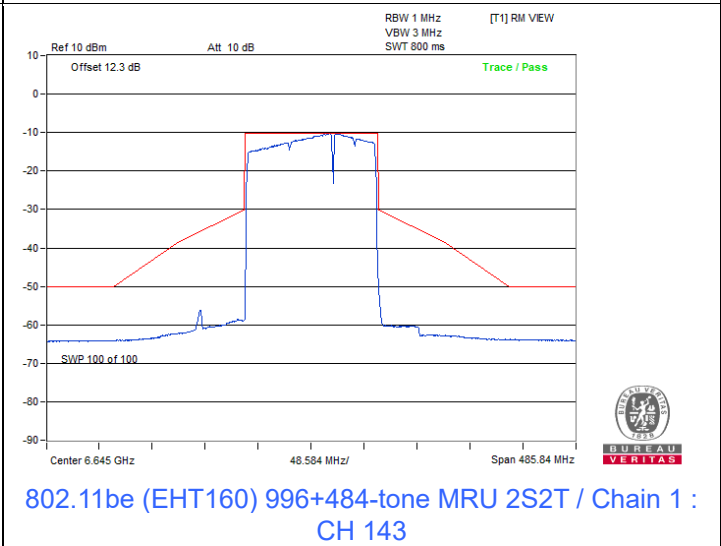
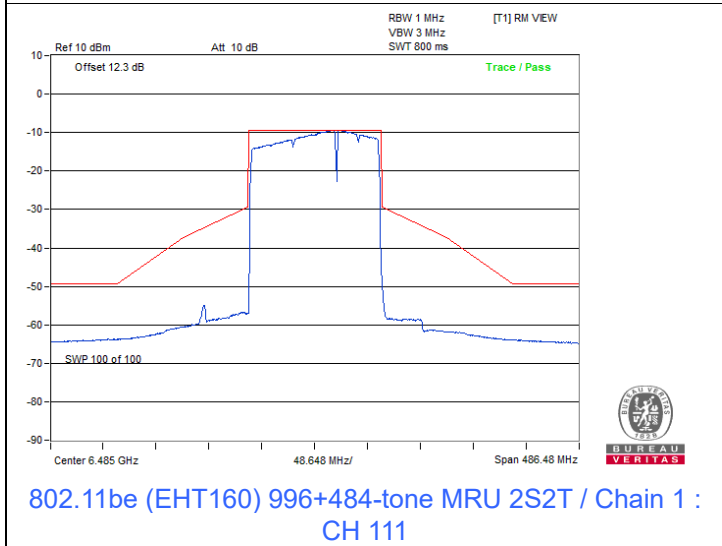
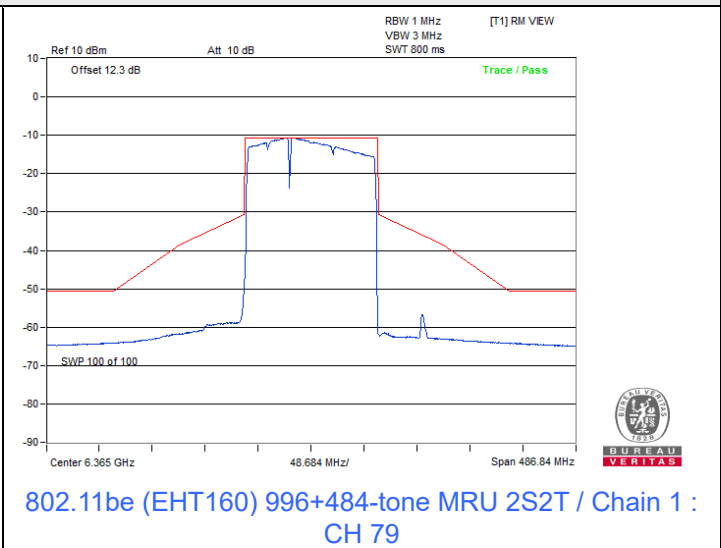
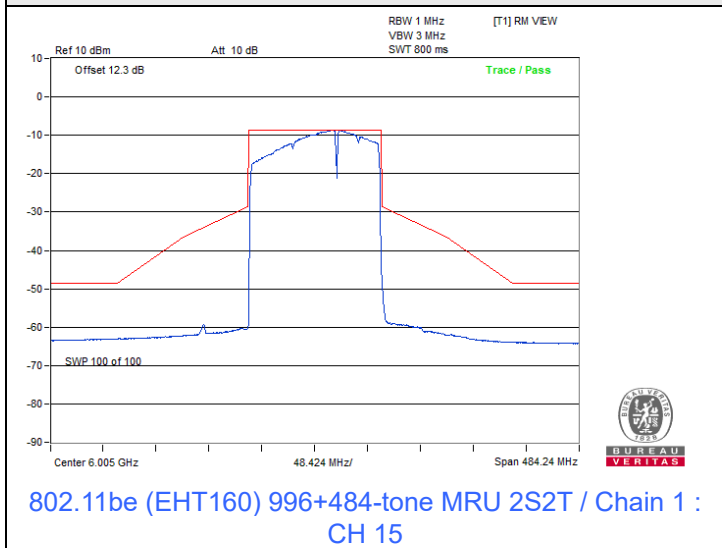


802.11be (EHT160) 996+484-tone MRU 2S2T / Chain 0 :
CH 175



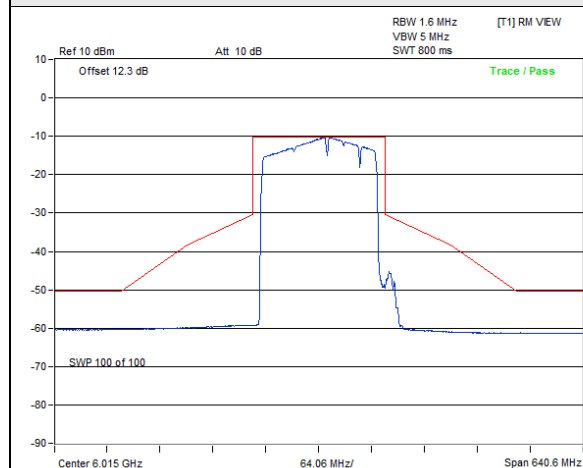
802.11be (EHT160) 996+484-tone MRU 2S2T / Chain 0 :
CH 207

Spectrum Plot

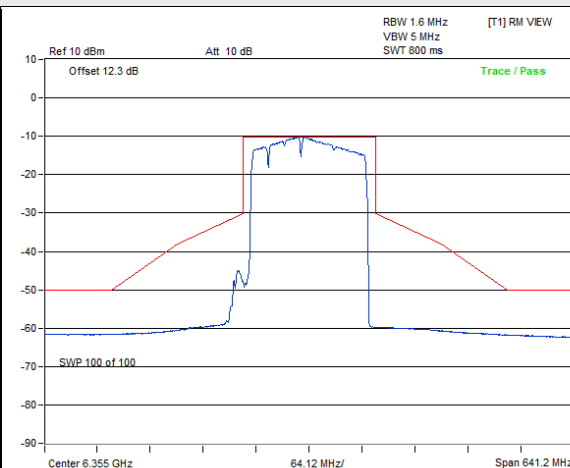


802.11be (EHT160) 996+484+242-tone MRU 2S2T

Spectrum Plot



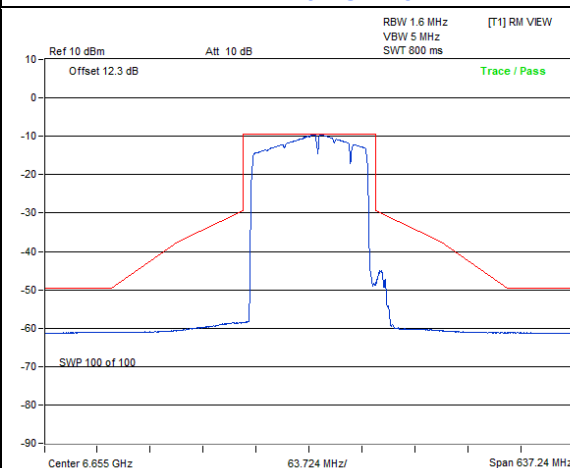
802.11be (EHT160) 996+484+242-tone MRU 2S2T / Chain
0 : CH 15



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



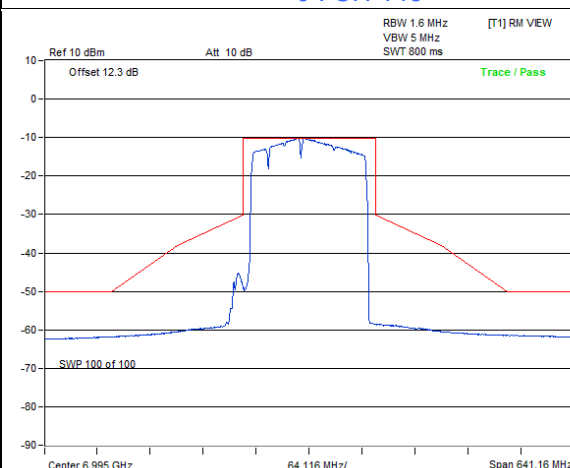
802.11be (EHT160) 996+484+242-tone MRU 2S2T / Chain
0 : CH 111



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

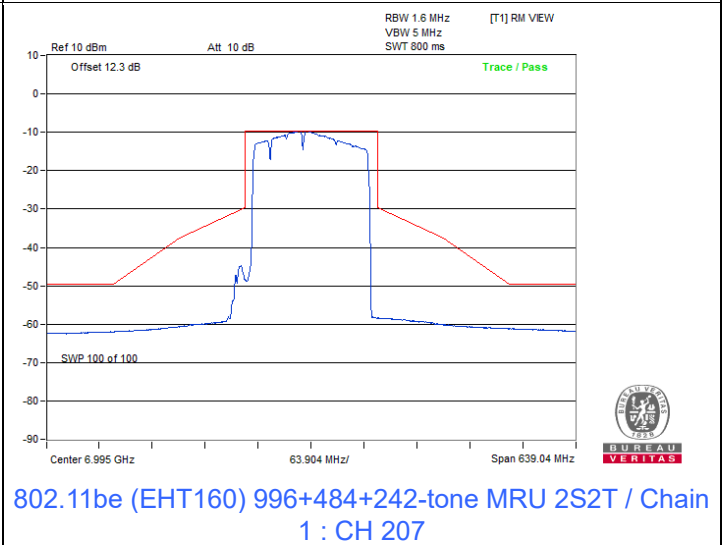
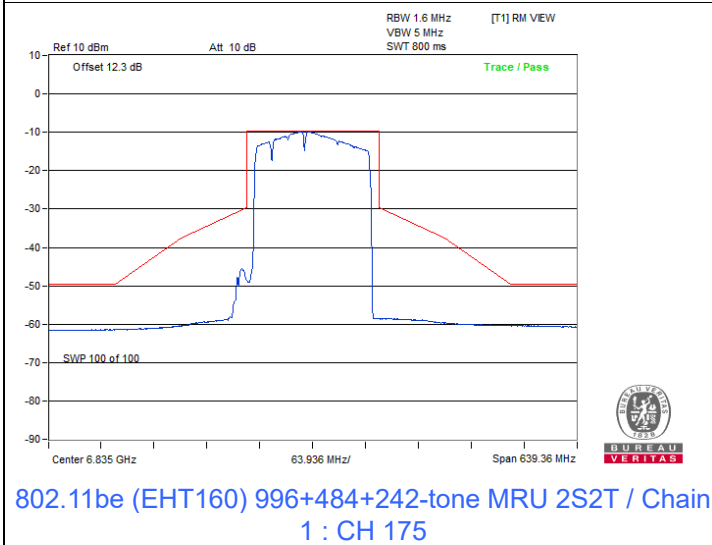
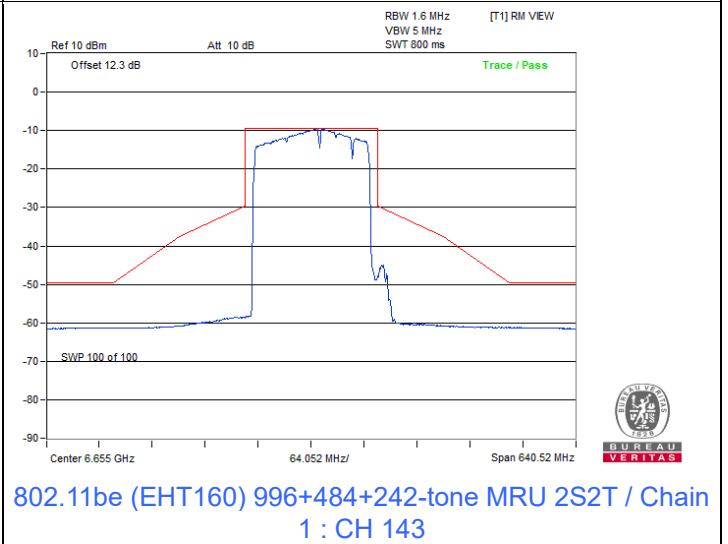
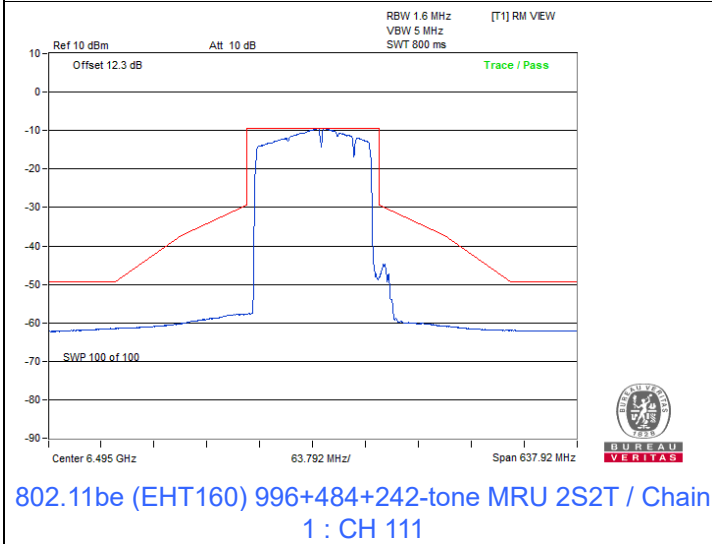
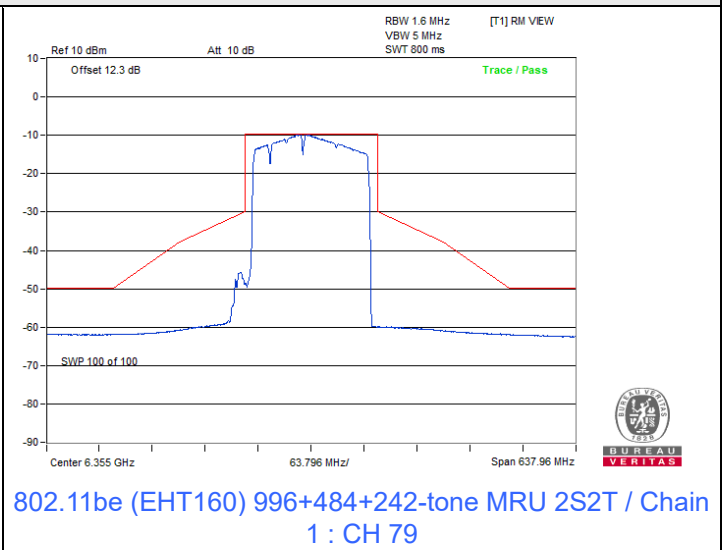
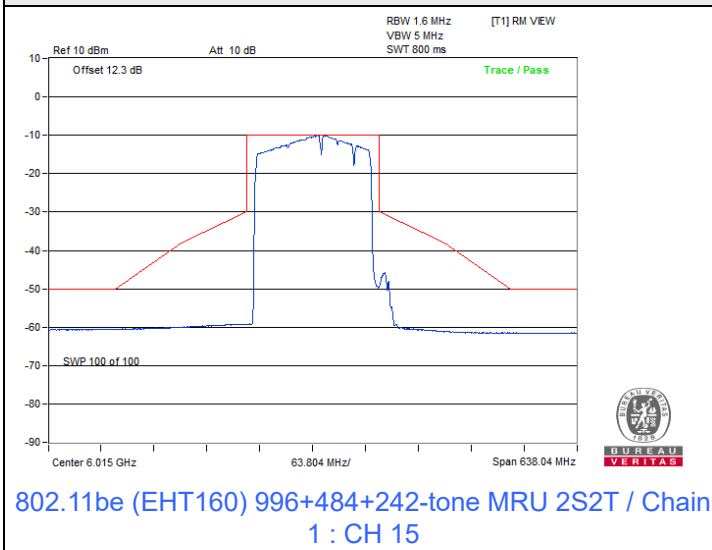


802.11be (EHT160) 996+484+242-tone MRU 2S2T / Chain
0 : CH 175



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

Spectrum Plot



7.5 Occupied Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	22°C, 60% RH	Tested By:	Henry Hsu
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Mode A

802.11a 1TX

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

802.11be (EHT20) 1S1T

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

802.11be (EHT40) 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
3	5965	37.56
43	6165	37.68
91	6405	37.56
99	6445	37.56
107	6485	37.44
115	6525	37.8
123	6565	37.68
155	6725	37.56
179	6845	37.68
187	6885	37.56
211	7005	37.56
227	7085	37.68

802.11be (EHT80) 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
7	5985	76.8
39	6145	76.8
87	6385	76.8
103	6465	76.8
119	6545	77.04
151	6705	76.8
183	6865	76.56
199	6945	77.04
215	7025	76.56

802.11be (EHT160) 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
15	6025	155.4
47	6185	155.4
79	6345	155.4
111	6505	155.8
143	6665	155.2
175	6825	155.8
207	6985	155.6

802.11be (EHT20) 26-tone RU 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	18.18
93	6415	18.3
97	6435	18.3
113	6515	18.3
117	6535	18.18
181	6855	18.24
209	6995	18.12
233	7115	18.18

802.11be (EHT20) 52-tone RU 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	18.18
93	6415	18.18
97	6435	18.18
113	6515	18.12
117	6535	18.24
181	6855	17.94
209	6995	18.18
233	7115	18.12

802.11be (EHT20) 106-tone RU 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	18.18
93	6415	18.06
97	6435	18.18
113	6515	18.18
117	6535	18.12
181	6855	17.88
209	6995	18.18
233	7115	18.06

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

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	17.1
93	6415	17.04
97	6435	17.16
113	6515	17.16
117	6535	16.74
181	6855	17.1
209	6995	17.16
233	7115	17.1

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

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	17.82
93	6415	17.82
97	6435	17.46
113	6515	17.82
117	6535	17.88
181	6855	17.82
209	6995	17.76
233	7115	17.82

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

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

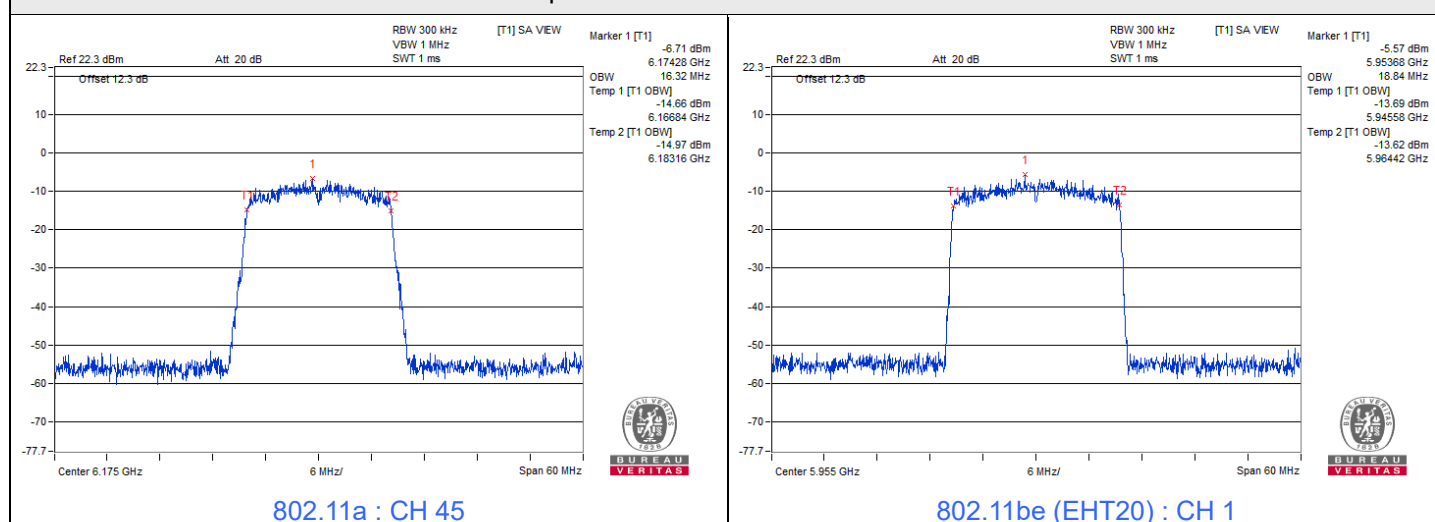
802.11be (EHT160) 996+484-tone MRU 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
15	6025	116.4
79	6345	116.8
111	6505	116.8
143	6665	116.8
175	6825	116.8
207	6985	116.6

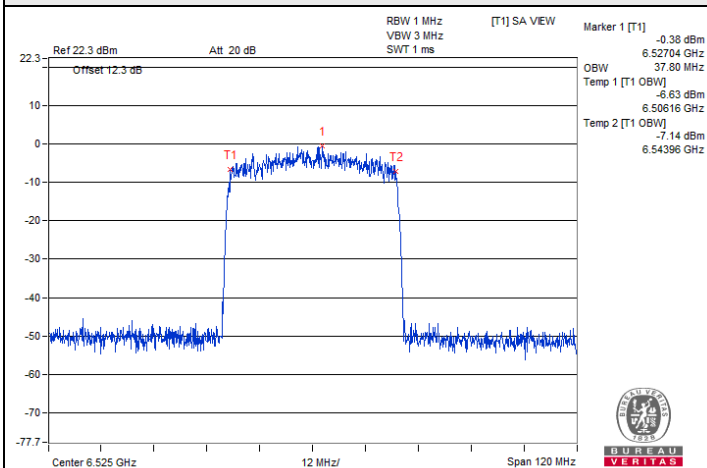
802.11be (EHT160) 996+484+242-tone MRU 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
15	6025	137
79	6345	137
111	6505	137
143	6665	136.8
175	6825	137
207	6985	137.2

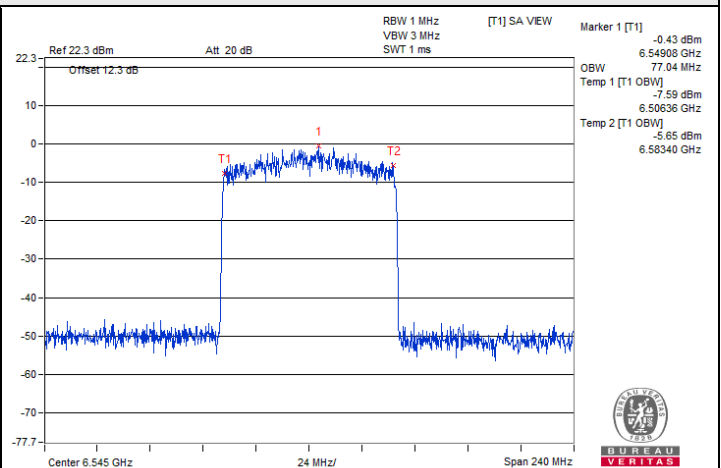
Spectrum Plot of Maximum Value



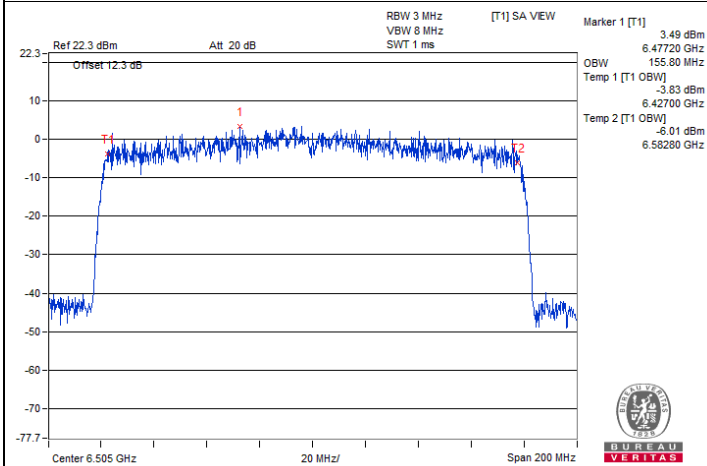
Spectrum Plot of Maximum Value



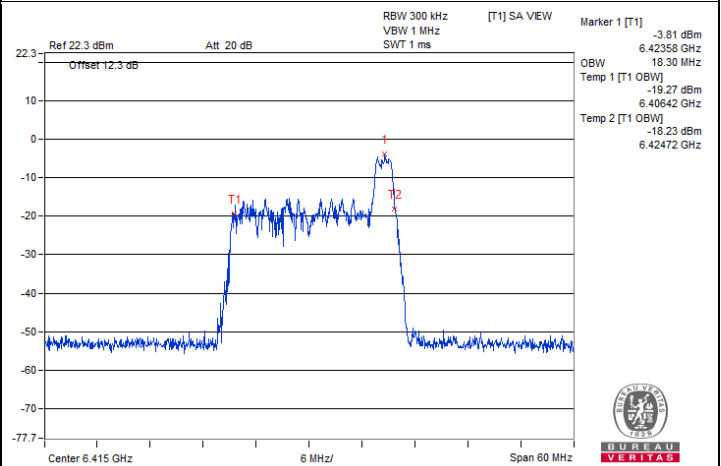
802.11be (EHT40) : CH 115



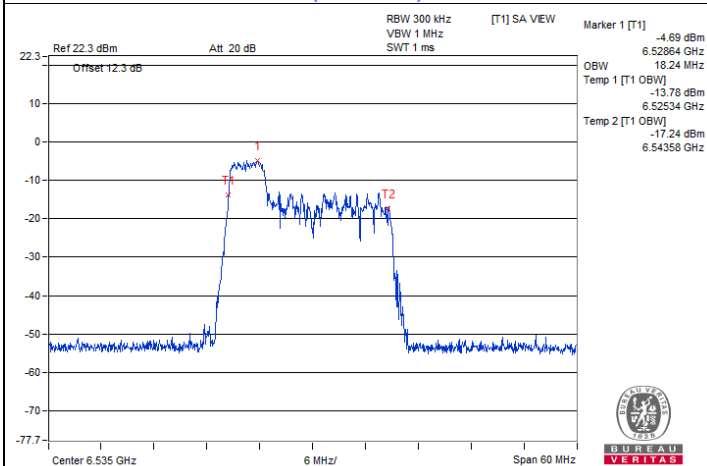
802.11be (EHT80) : CH 119



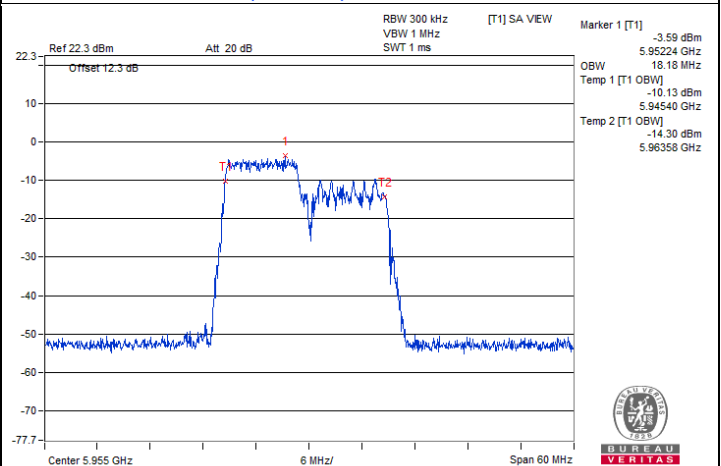
802.11be (EHT160) : CH 111



802.11be (EHT20) 26-tone RU : CH 93

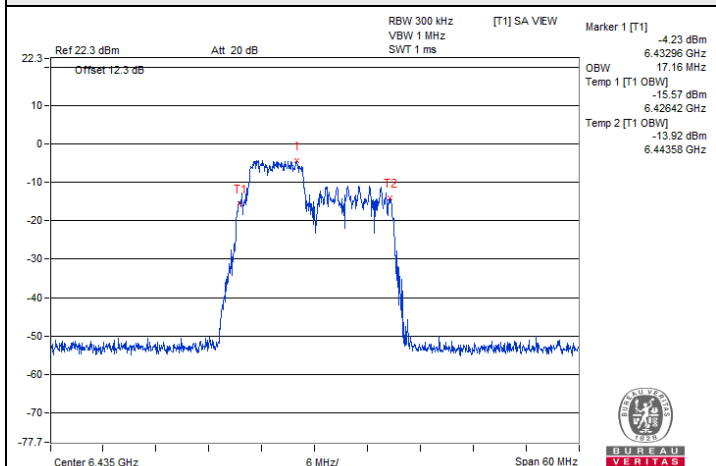


802.11be (EHT20) 52-tone RU : CH 117

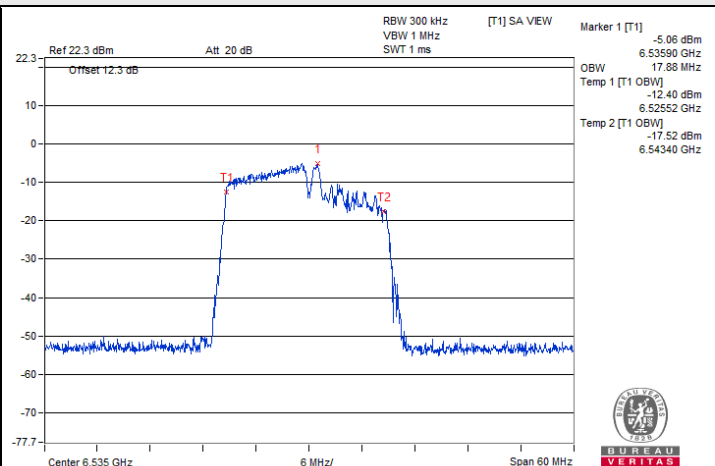


802.11be (EHT20) 106-tone RU : CH 1

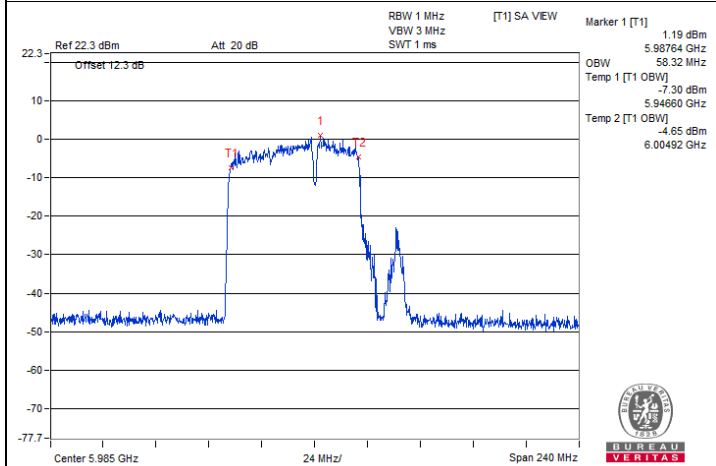
Spectrum Plot of Maximum Value



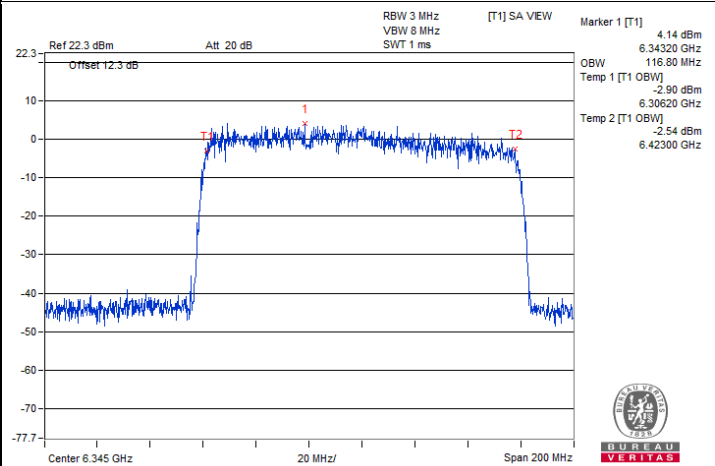
802.11be (EHT20) 52+26-tone MRU : CH 97



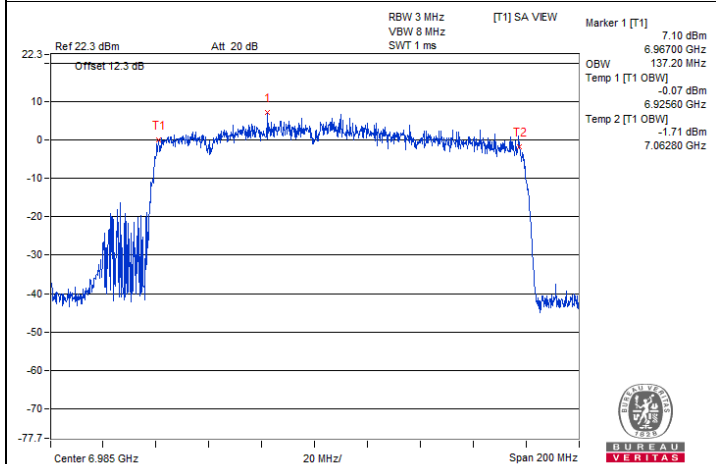
802.11be (EHT20) 106+26-tone MRU : CH 117



802.11be (EHT80) 484+242-tone MRU : CH 7



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



802.11be (EHT160) 996+484+242-tone MRU : CH 207

Input Power:	3.3 Vdc	Environmental Conditions:	22°C, 60% RH	Tested By:	Henry Hsu
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802.11a 2TX

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

802.11be (EHT20) 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	18.84	18.78
45	6175	18.78	18.78
93	6415	18.72	18.84
97	6435	18.78	18.84
105	6475	18.78	18.72
113	6515	18.84	18.72
117	6535	18.78	18.78
149	6695	18.84	18.78
181	6855	18.78	18.84
185	6875	18.78	18.78
209	6995	18.78	18.72
233	7115	18.78	18.66

802.11be (EHT40) 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
3	5965	37.68	37.56
43	6165	37.68	37.80
91	6405	37.56	37.68
99	6445	37.68	37.68
107	6485	37.68	37.68
115	6525	37.44	37.56
123	6565	37.68	37.56
155	6725	37.44	37.56
179	6845	37.68	37.68
187	6885	37.68	37.56
211	7005	37.68	37.68
227	7085	37.56	37.68

802.11be (EHT80) 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
7	5985	76.80	76.80
39	6145	76.80	76.80
87	6385	76.80	76.80
103	6465	76.80	76.80
119	6545	76.80	76.80
151	6705	77.28	76.80
183	6865	76.80	76.56
199	6945	76.80	76.80
215	7025	76.80	77.04

802.11be (EHT160) 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
15	6025	155.40	155.80
47	6185	155.80	155.60
79	6345	155.80	156.00
111	6505	155.20	155.20
143	6665	155.60	155.60
175	6825	155.60	155.40
207	6985	155.40	155.60

802.11be (EHT20) 26-tone RU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	18.30	18.36
93	6415	18.30	18.24
97	6435	18.24	18.18
113	6515	18.24	18.18
117	6535	18.24	18.24
181	6855	18.12	18.18
209	6995	18.30	18.24
233	7115	18.30	18.18

802.11be (EHT20) 52-tone RU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	18.18	18.18
93	6415	18.12	18.18
97	6435	18.18	18.06
113	6515	18.18	18.18
117	6535	18.24	18.18
181	6855	18.00	17.82
209	6995	18.18	18.06
233	7115	18.06	18.18

802.11be (EHT20) 106-tone RU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	18.24	18.12
93	6415	18.00	18.12
97	6435	18.24	18.12
113	6515	18.18	18.12
117	6535	18.24	18.12
181	6855	18.18	18.00
209	6995	18.18	18.12
233	7115	18.18	18.12

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

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	17.16	17.16
93	6415	17.16	17.04
97	6435	17.16	17.10
113	6515	17.16	17.10
117	6535	17.22	17.10
181	6855	17.16	17.16
209	6995	17.04	17.16
233	7115	16.98	17.10

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

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	17.82	17.82
93	6415	17.88	17.76
97	6435	17.82	17.70
113	6515	17.58	17.82
117	6535	17.88	17.82
181	6855	17.88	17.76
209	6995	17.82	17.76
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	58.32
87	6385	58.32	58.08
103	6465	58.32	58.08
119	6545	58.08	58.32
183	6865	58.32	58.08
199	6945	58.08	58.08
215	7025	58.08	58.32

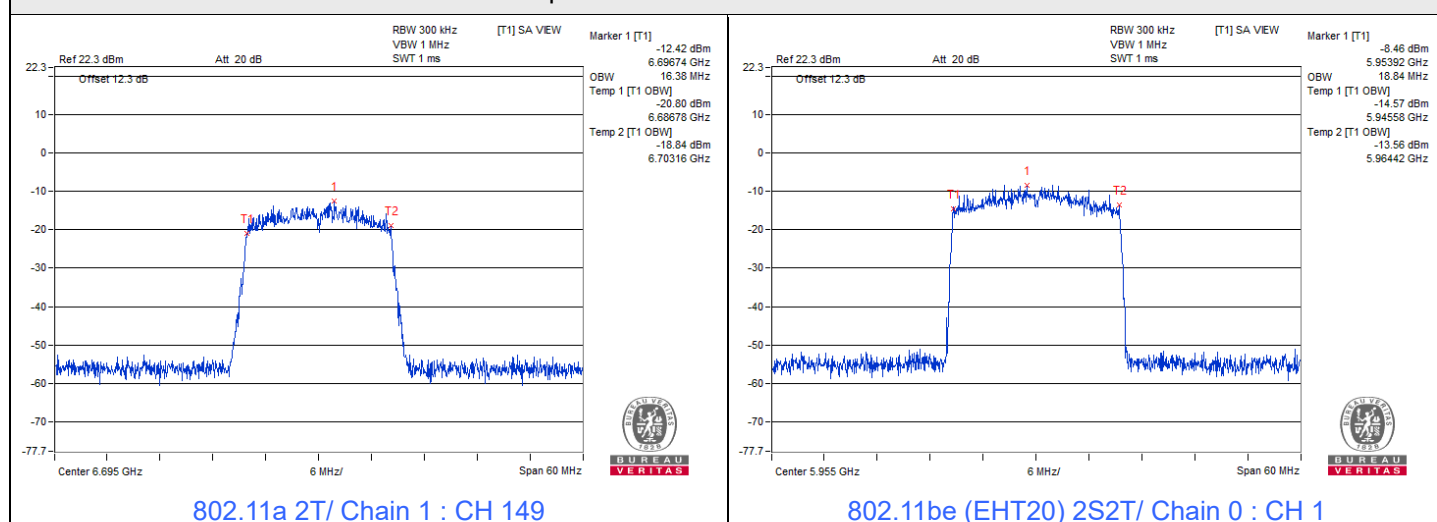
802.11be (EHT160) 996+484-tone MRU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
15	6025	116.80	114.80
79	6345	116.40	116.80
111	6505	116.80	116.80
143	6665	116.60	116.60
175	6825	116.60	116.60
207	6985	116.60	116.40

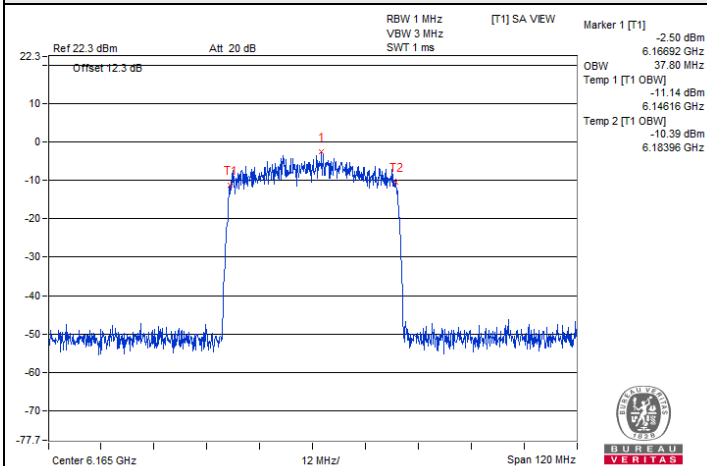
802.11be (EHT160) 996+484+242-tone MRU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
15	6025	137.00	136.80
79	6345	136.60	136.60
111	6505	137.00	137.20
143	6665	137.00	137.00
175	6825	137.00	136.60
207	6985	137.20	137.00

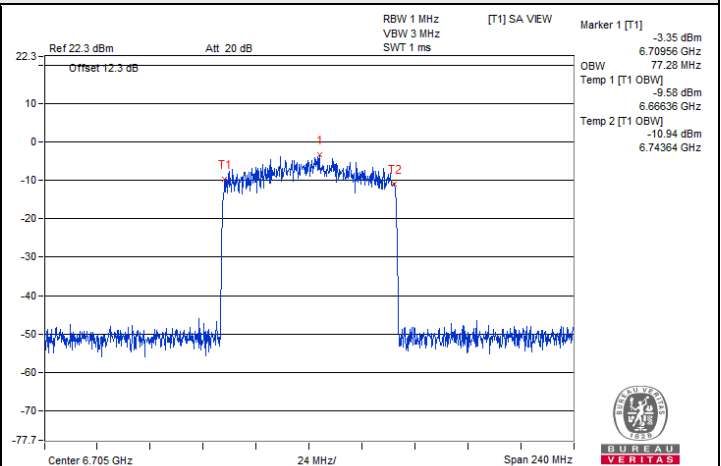
Spectrum Plot of Maximum Value



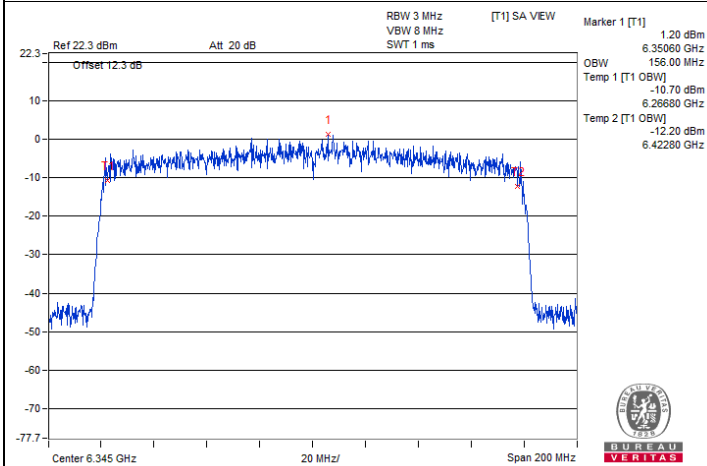
Spectrum Plot of Maximum Value



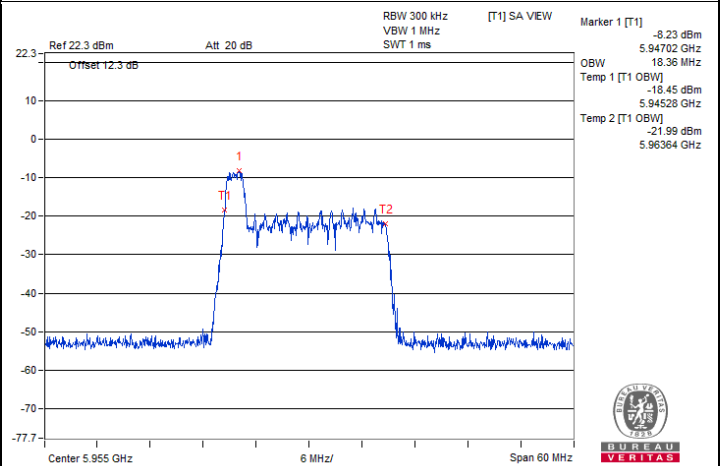
802.11be (EHT40) 2S2T/ Chain 1 : CH 43



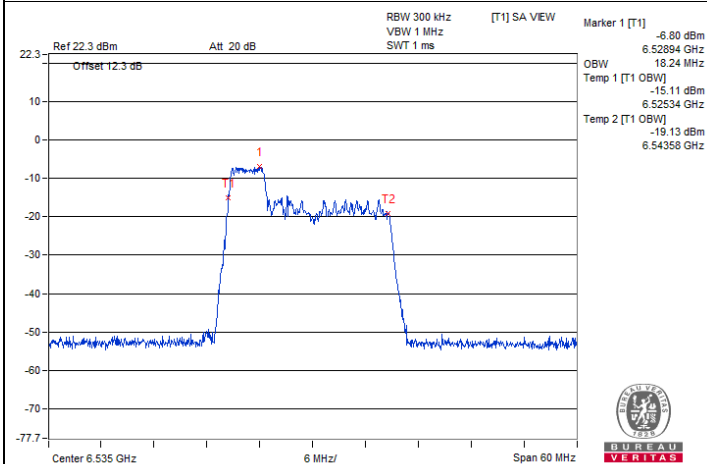
802.11be (EHT80) 2S2T/ Chain 0 : CH 151



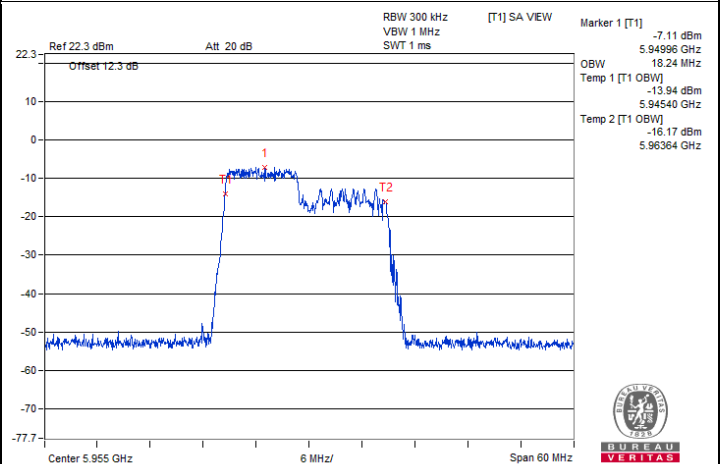
802.11be (EHT160) 2S2T/ Chain 1 : CH 79



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

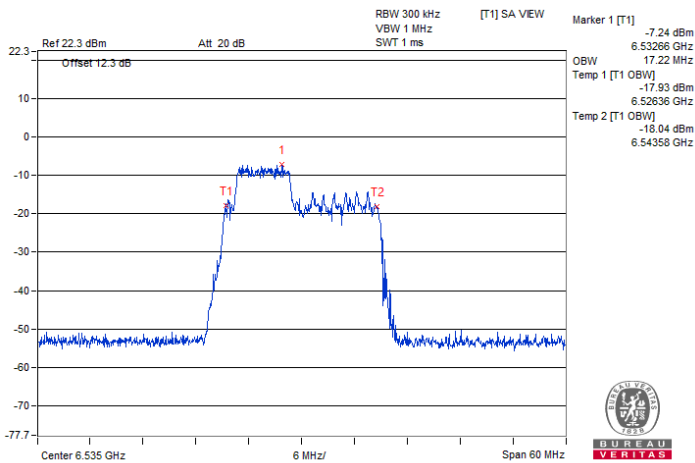


802.11be (EHT20) 52-tone RU 2S2T/ Chain 0 : CH 117

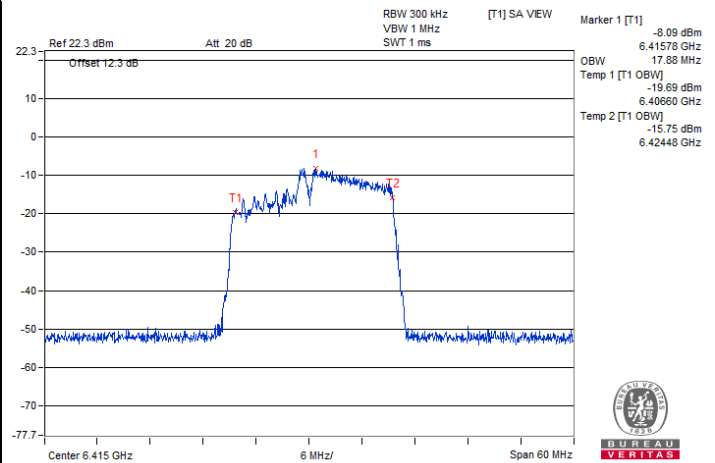


802.11be (EHT20) 106-tone RU2S2T/ Chain 0 : CH 1

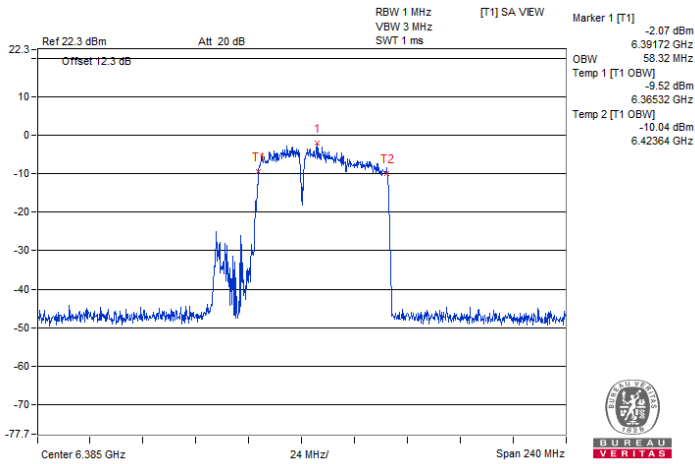
Spectrum Plot of Maximum Value



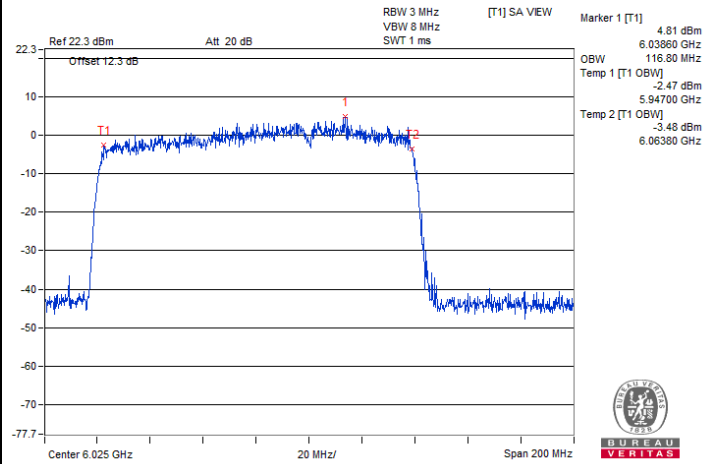
802.11be (EHT20) 52+26-tone MRU 2S2T/ Chain 0 : CH
117



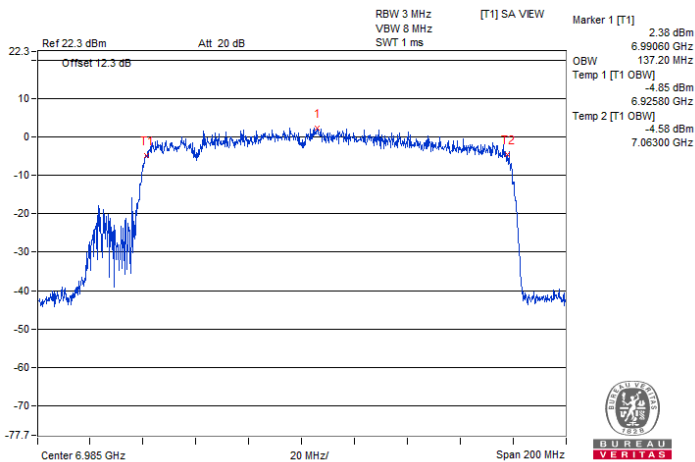
802.11be (EHT20) 106+26-tone MRU 2S2T/ Chain 0 : CH
93



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



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



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

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	MT7925B22M	Linux Version 5.15.0-46-generic(build@lcy02-amd64-007)(gcc (Ubuntu 9.4.0-1ubuntu1~20.04.1)9.4.0,GNU ld (GNU Binutils for Ubuntu) 2.34) #49~20.04.1-Ubuntu SMP

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	37	6135	6135	-83.52	-14.46	0	-69.06	-62	OFF
					-84.02	-14.46	0	-69.56	-62	Minimal
					-96.46	-14.46	0	-82	-62	ON
	160	47	6110	6110	-85.96	-14.46	0	-71.5	-62	OFF
					-86.46	-14.46	0	-72	-62	Minimal
					-96.46	-14.46	0	-82	-62	ON
			6185	6185	-83.67	-14.46	0	-69.21	-62	OFF
					-84.17	-14.46	0	-69.71	-62	Minimal
					-96.46	-14.46	0	-82	-62	ON
			6260	6260	-86.77	-14.46	0	-72.31	-62	OFF
					-87.27	-14.46	0	-72.81	-62	Minimal
					-96.46	-14.46	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 mechanism for incumbent avoidance, but instead employs the bandwidth reduction mechanism to perform its function.

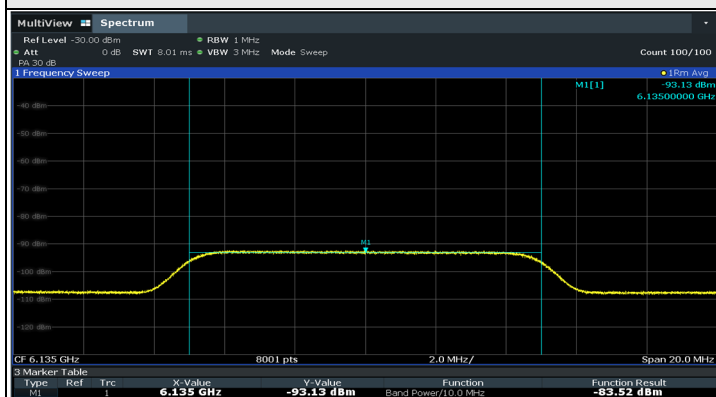
Contention Based Protocol Detection Probability

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	6135	v	v	v	v	v	x	v	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	x	v	90%	90%	Pass
		6260	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass

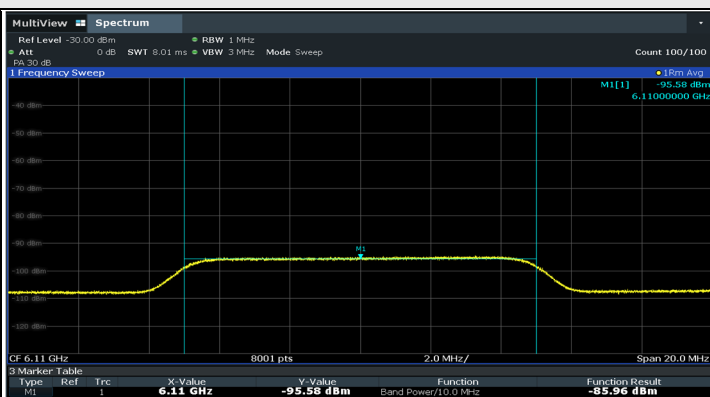
Plots of EUT Tx waveform



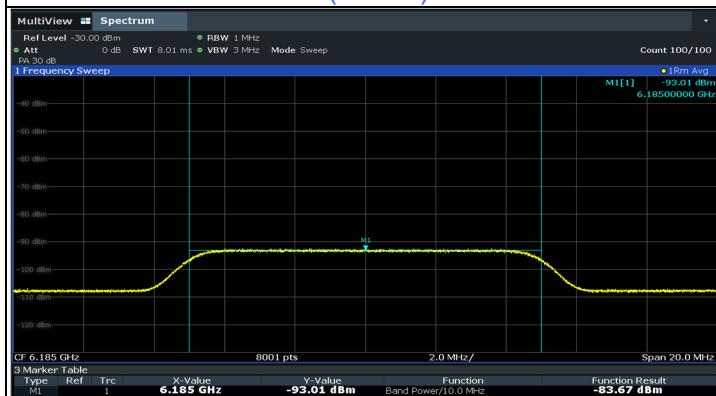
Plots of Injected signal (AWGN) level



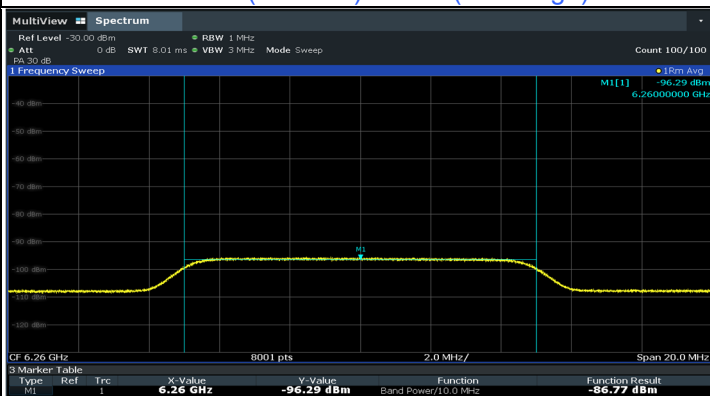
802.11be (EHT20) / CH37



802.11be (EHT160) / CH47(Low Edge)



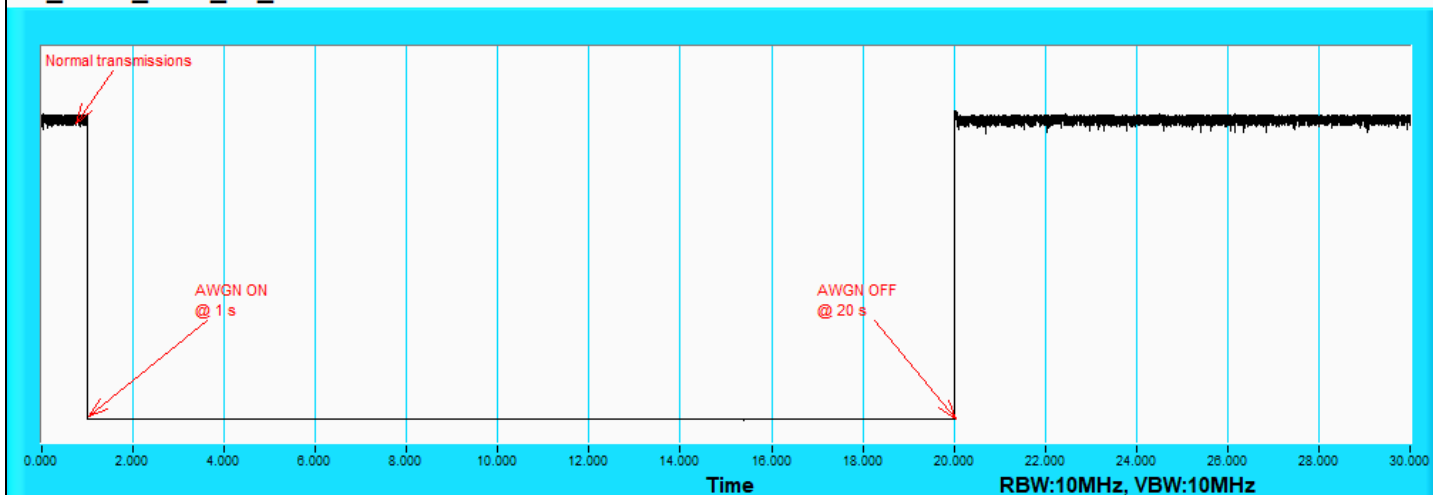
802.11be (EHT160) / CH47(Middle)



802.11be (EHT160) / CH47(High Edge)

Plots of EUT ceased transmission in the time domain

6G_UNII5_6135_a5_TRS



802.11be (EHT20) / CH37