

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBBUI-WTW-P26020159-4
FCC ID: TX2-RTL8922D
Product: 11be RTL8922D Combo module
Brand: REALTEK
Model No.: RTL8922D
Received Date: 2026/2/9
Test Date: 2026/3/8 ~ 2026/6/16
Issued Date: 2026/7/21
Applicant: Realtek Semiconductor Corp.
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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Hsin Chu Laboratory
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FCC Registration / 723255 / TW2022
Designation Number:

Approved by: _____, **Date:** 2026/7/21
May Chen / Manager

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Prepared by : Claire Kuan / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBBUI-WTW-P26020159-4	Original release.	2026/7/21

1 Certificate

Product: 11be RTL8922D Combo module
Brand: REALTEK
Test Model: RTL8922D
Sample Status: Engineering sample
Applicant: Realtek Semiconductor Corp.
Test Date: 2026/3/8 ~ 2026/6/16
Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Measurement procedure: ANSI C63.10-2020
KDB 987594 D02 U-NII 6 GHz EMC Measurement v03
KDB 789033 D02 General UNII Test Procedure New Rules v02r01
KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(9)	Maximum RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(9)	Maximum Power Spectral Density	Pass	Meet the requirement of limit.
15.407(a)(11)	Emission Bandwidth	Pass	Meet the requirement of limit.
---	Occupied Bandwidth	-	Reference only.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -11.37 dB at 0.48594 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -3.2 dB at 99.65 MHz
15.407(b)(6) 15.407(b)(10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -1.5 dB at 5925.00 MHz, 7125.00 MHz and 7250.00 MHz
15.407(b)(7)	In-Band Emission Mask	Pass	Meet the requirement of limit.
15.407(d)(6)	Contention-based Protocol	Pass	Meet the requirement of limit.
15.407(d)(10)	TPC mechanism	Pass	Meet the requirement of limit.
15.203	Antenna Requirement	Pass	No antenna connector is used.

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:

Parameter	Specification	Uncertainty (±)
Maximum RF Output Power	-	1.1 dB
Maximum Power Spectral Density	-	1.3 dB
Emission Bandwidth	-	1050.00 Hz
In-Band Emission Mask	9 kHz ~ 40 GHz	2.6 dB
Occupied Bandwidth	-	1050.00 Hz
Contention-based Protocol	-	2.7 dB
AC Power Conducted Emissions	150 kHz ~ 30 MHz	1.9 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.1 dB
	30 MHz ~ 1 GHz	5.1 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.0 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	11be RTL8922D Combo module
Brand	REALTEK
Test Model	RTL8922D
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
Partial RU Mode	Single RU Multi-RU(Static preamble puncturing)
Channel Puncturing	Not support
Output Power	5.955 GHz ~ 6.415 GHz: EIRP: 24.723 mW (13.93 dBm) 6.435 GHz ~ 6.525 GHz: EIRP: 24.83 mW (13.95 dBm) 6.535 GHz ~ 6.865 GHz: EIRP: 24.659 mW (13.92 dBm) 6.875 GHz ~ 7.115 GHz: EIRP: 24.716 mW (13.93 dBm)
Equipment Class	6VL: 15E 6 GHz Very low power device

Note:

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

1Tx		
Combination	Technology	
	S0 (Chain 1)	S1 (Chain 0)
1	WLAN (5 GHz)_H	Bluetooth + WLAN (5 GHz)_L
2	WLAN (6 GHz)	Bluetooth + WLAN (5 GHz)_H
3	WLAN (5 GHz)_H	Bluetooth + WLAN (6 GHz)
4	WLAN (2.4 GHz)	WLAN (5 GHz)_Full
5	WLAN (2.4 GHz)	WLAN (6 GHz)
6	WLAN (5 GHz)_Full	Bluetooth
7	WLAN (6 GHz)	Bluetooth
2Tx		
1	WLAN (5 GHz)_L + Bluetooth	WLAN (5 GHz)_L + Bluetooth
2	WLAN (5 GHz)_H	WLAN (5 GHz)_H + Bluetooth
3	WLAN (6 GHz) + Bluetooth	WLAN (6 GHz) + Bluetooth

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

3. The EUT support OFDMA and Partial RU mode, therefore partial RU combination were investigated and the worst case scenario was identified.
4. 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	Chain0/1	REALTEK	RTK-ANT-0022	3.4	2.4~2.4835	PIFA	IPEX, MHF4	300
				5	5.15~5.85			
				5	5.925~7.125			
2	Chain0/1	HongBo	260-25096	3.11	2.4~2.4835	Monopole	MHF4L	300
				4.91	5.15~5.85			
				4.73	5.925~7.125			

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

2. The EUT incorporates a MIMO function

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

Note: The modulation and bandwidth of 802.11ax and 802.11be modes are similar at 20 MHz (40 MHz, 80 MHz, 160 MHz). Therefore the investigated worst case is the representative mode in test report.

3.3 MRU Configuration

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

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

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

3.4 Channel List

U-NII-5:

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.

3.5 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. The PIFA/ monopole antenna can be used in the following ways: X / Y / Z axis. Pre-scan in these ways and find the worst case as a representative test condition. 2. For 1Tx diversity configuration. Pre-scan in these chains and find the worst case as a representative test condition. 3. All bandwidths supported by the EUT were covered during the pre-scan for Partial RU and Multi-RU modes. Based on the results the Partial RU and Multi-RU test modes shown below were selected as the representative worst-case test modes. 4. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates.
Worst Case:	1. The antenna sets of the worst case was found when positioned on (X / Y / Z axis) PIFA antenna: X axis, monopole antenna: Y axis 2. For 1Tx diversity configuration the worst chain is: Chain 0

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

Test Item	EUT Configure Mode	Mode	Equipment class	Transmitter Configuration	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Maximum RF Output Power / Maximum Power Spectral Density / Emission Bandwidth / In-Band Emission Mask / Occupied Bandwidth	-	802.11a	VLP	1Tx NSS1/ 2Tx NSS2	1, 49, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	NA
		802.11be (EHT20)			1, 49, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
		802.11be (EHT40)			3, 51, 91, 99, 107, 115, 123, 147, 179, 187, 203, 227	BPSK	MCS0	NA
		802.11be (EHT80)			7, 55, 87, 103, 119, 135, 151, 167, 183, 199, 215	BPSK	MCS0	NA
		802.11be (EHT160)			15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU			1, 49, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	0, 0, 8, 0, 0, 8, 0, 0, 8, 0, 0, 8

Test Item	EUT Configure Mode	Mode	Equipment class	Transmitter Configuration	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Maximum RF Output Power / Maximum Power Spectral Density / Emission Bandwidth / In-Band Emission Mask / Occupied Bandwidth	-	802.11be (EHT20) 52-tone RU	VLP	1Tx NSS1/ 2Tx NSS2	1, 49, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	37, 37, 40, 37, 37, 40, 37, 37, 40, 37, 37, 40
		802.11be (EHT20) 106-tone RU			1, 49, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	53, 53, 54, 53, 53, 54, 53, 53, 54, 53, 53, 54
		802.11be (EHT20) 52+26-tone MRU			1, 49, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	1, 1, 3, 1, 1, 3, 1, 1, 3, 1, 1, 3
		802.11be (EHT20) 106+26-tone MRU			1, 49, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	1, 1, 2, 1, 1, 2, 1, 1, 2, 1, 1, 2
		802.11be (EHT80) 484+242-tone MRU			7, 55, 87, 103, 119, 135, 151, 167, 183, 199, 215	BPSK	MCS0	2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2
		802.11be (EHT160) 996+484-tone MRU			15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3
		802.11be (EHT160) 996+484+242-tone MRU			15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4
Contention-based Protocol	-	802.11be (EHT20)	VLP	-	33, 101, 149, 197	BPSK	MCS0	NA
		802.11be (EHT160)		-	47, 111, 143, 207	BPSK	MCS0	NA
AC Power Conducted Emissions	A	802.11be (EHT80)	VLP	1Tx NSS1	103	BPSK	MCS0	NA
Unwanted Emissions below 1 GHz	A, B	802.11be (EHT80)	VLP	1Tx NSS1	103	BPSK	MCS0	NA

Test Item	EUT Configure Mode	Mode	Equipment class	Transmitter Configuration	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Unwanted Emissions above 1 GHz	A, B	802.11a	VLP	1Tx NSS1/ 2Tx NSS2	1, 49, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	NA
		802.11be (EHT20)			1, 49, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
		802.11be (EHT40)			3, 51, 91, 99, 107, 115, 123, 147, 179, 187, 203, 227	BPSK	MCS0	NA
		802.11be (EHT80)			7, 55, 87, 103, 119, 135, 151, 167, 183, 199, 215	BPSK	MCS0	NA
		802.11be (EHT160)			15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU			1, 49, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
		802.11be (EHT20) 52-tone RU			1, 49, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
		802.11be (EHT20) 106-tone RU			1, 49, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
		802.11be (EHT20) 52+26-tone MRU			1, 105, 149, 233	BPSK	MCS0	1 1 1 3
		802.11be (EHT20) 106+26-tone MRU			1, 105, 149, 233	BPSK	MCS0	1 1 1 2

Test Item	EUT Configure Mode	Mode	Equipment class	Transmitter Configuration	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Unwanted Emissions above 1 GHz	A, B	802.11be (EHT80) 484+242-tone MRU	VLP	1Tx NSS1/ 2Tx NSS2	7 103, 151 215	BPSK	MCS0	2 2 2 2
		802.11be (EHT160) 996+484-tone MRU			15 111 143 207	BPSK	MCS0	3 3 3 3
		802.11be (EHT160) 996+484+242-tone MRU			15 111 143 207	BPSK	MCS0	4 4 4 4
TPC mechanism	-	802.11be (EHT160)	VLP	-	47	BPSK	MCS0	NA
EUT Configure Mode:	A	PIFA antenna (Model: RTK-ANT-0022)						
	B	Monopole antenna (Model: 260-25096)						

Note:

- Contention Based Protocol was not supported Channel puncturing and bandwidth reduction mechanisms.
- For the contention-based protocol test item an antenna gain of -2.28 dBi was used as a representative measurement.

3.6 Duty Cycle of Test Signal

1Tx

802.11a: Duty cycle = 0.96 ms / 0.973 ms x 100% = 98.7%

802.11be (EHT20): Duty cycle = 15.406 ms / 15.431 ms x 100% = 99.8%

802.11be (EHT40): Duty cycle = 14.855 ms / 14.952 ms x 100% = 99.4%

802.11be (EHT80): Duty cycle = 15.129 ms / 15.393 ms x 100% = 98.3%

802.11be (EHT160): Duty cycle = 0.992 ms / 1.005 ms x 100% = 98.7%

802.11be (EHT20) 26-tone RU: Duty cycle = 0.953 ms / 0.966 ms x 100% = 98.7%

802.11be (EHT20) 52-tone RU: Duty cycle = 0.937 ms / 0.95 ms x 100% = 98.6%

802.11be (EHT20) 106-tone RU: Duty cycle = 0.96 ms / 0.973 ms x 100% = 98.7%

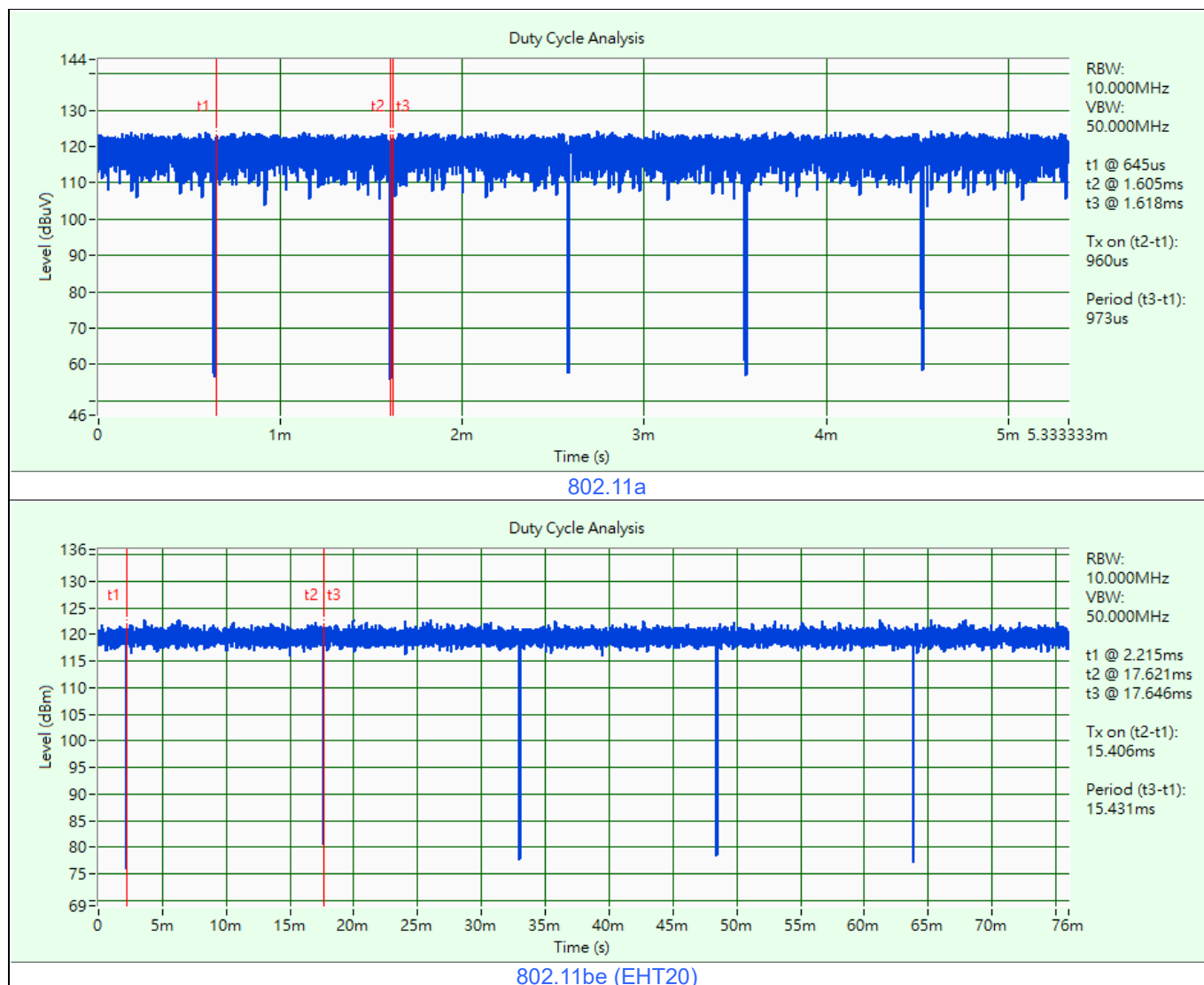
802.11be (EHT20) 52+26-tone MRU: Duty cycle = 0.972 ms / 0.986 ms x 100% = 98.6%

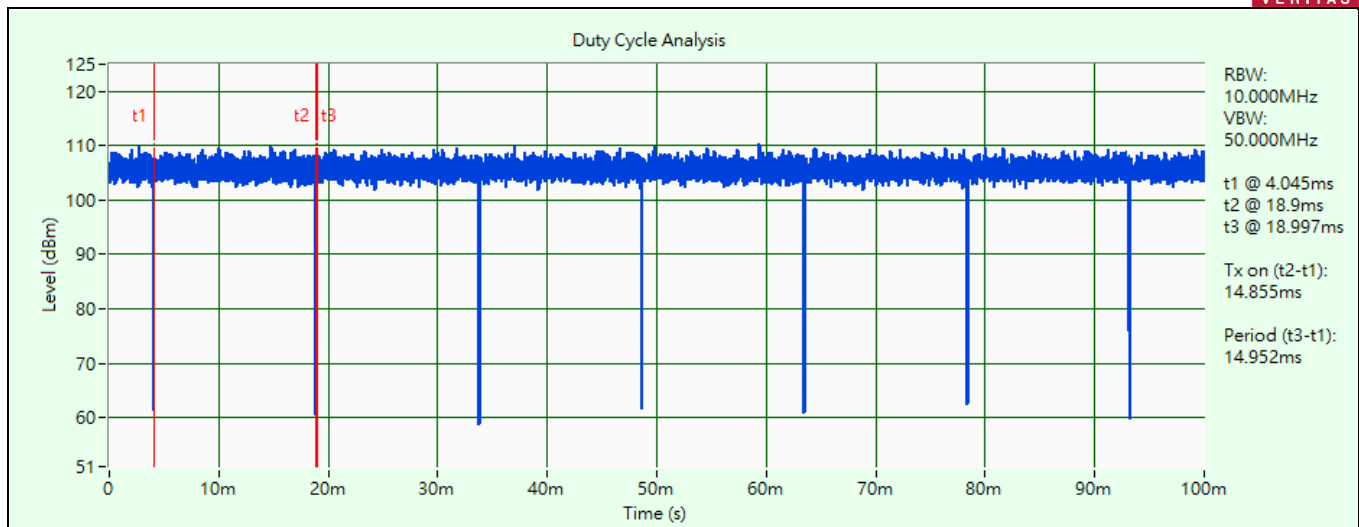
802.11be (EHT20) 106+26-tone MRU: Duty cycle = 0.993 ms / 1.006 ms x 100% = 98.7%

802.11be (EHT80) 484+242-tone MRU: Duty cycle = 0.988 ms / 1.001 ms x 100% = 98.7%

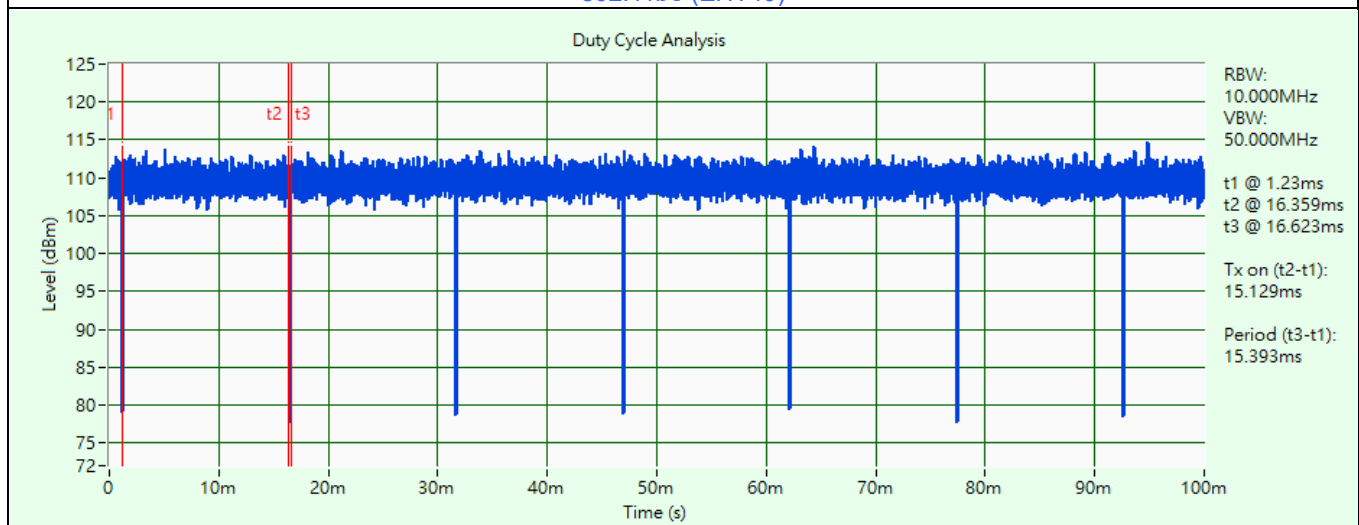
802.11be (EHT160) 996+484-tone MRU: Duty cycle = 0.96 ms / 0.973 ms x 100% = 98.7%

802.11be (EHT160) 996+484+242-tone MRU: Duty cycle = 0.988 ms / 1.001 ms x 100% = 98.7%

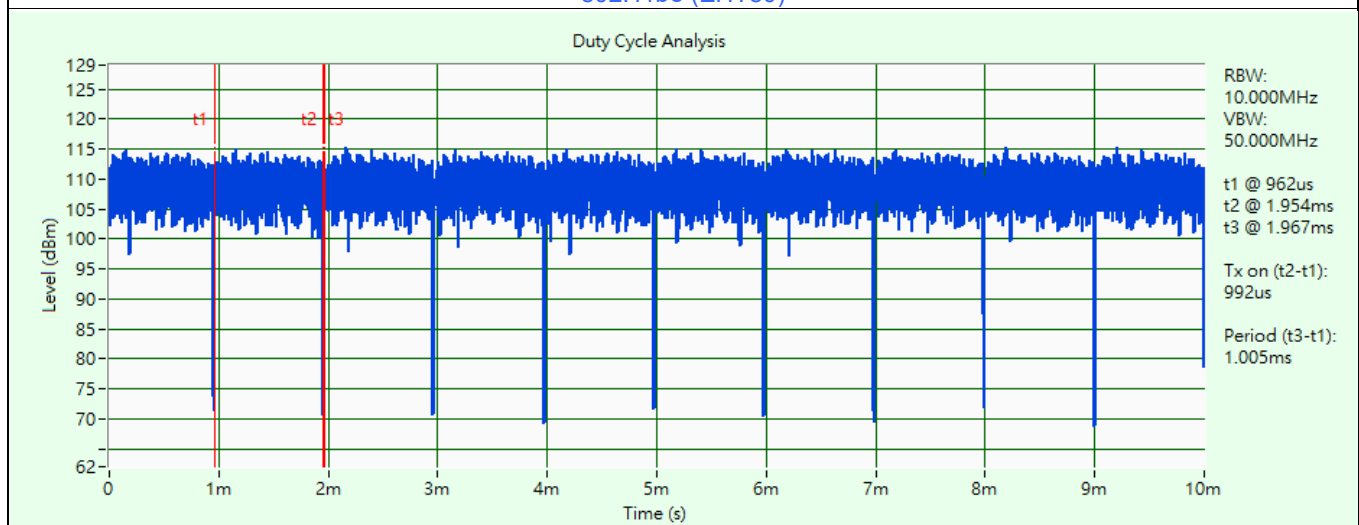




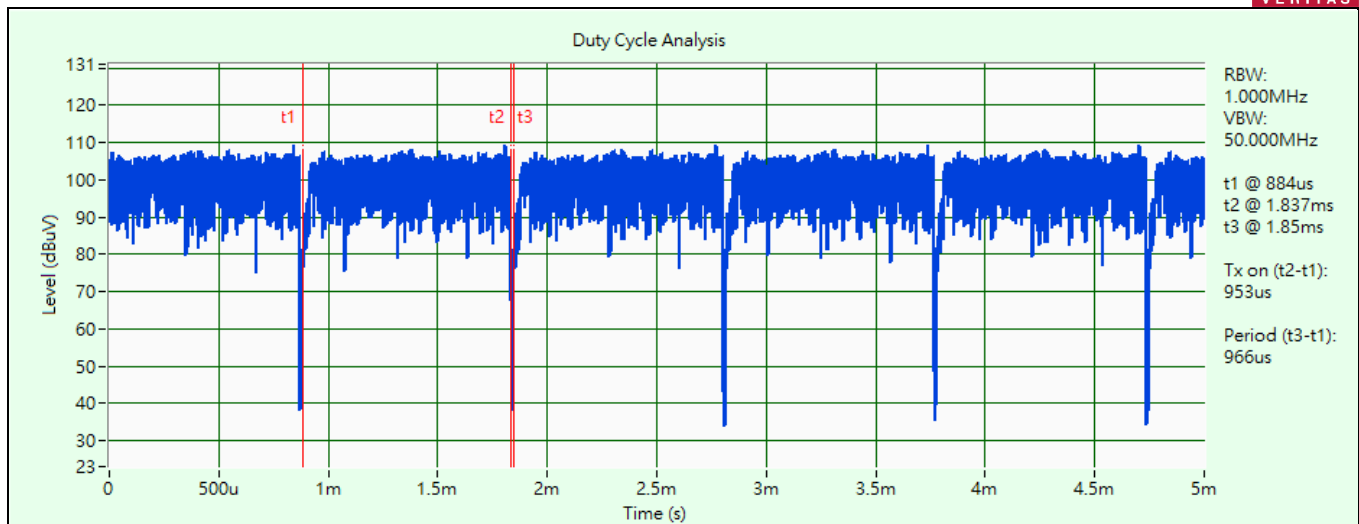
802.11be (EHT40)



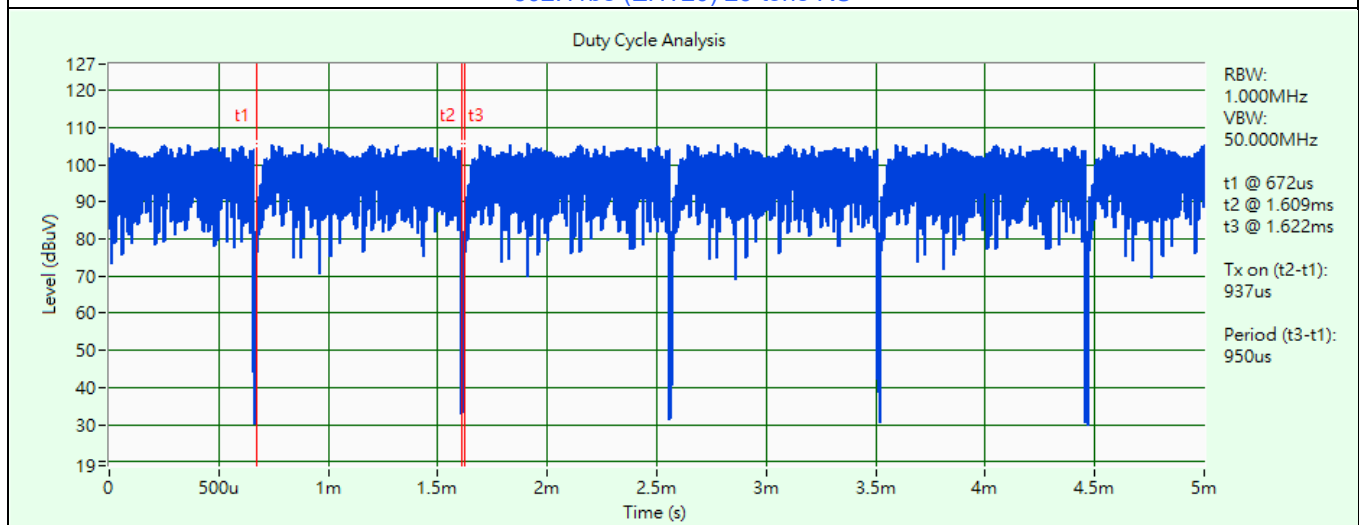
802.11be (EHT80)



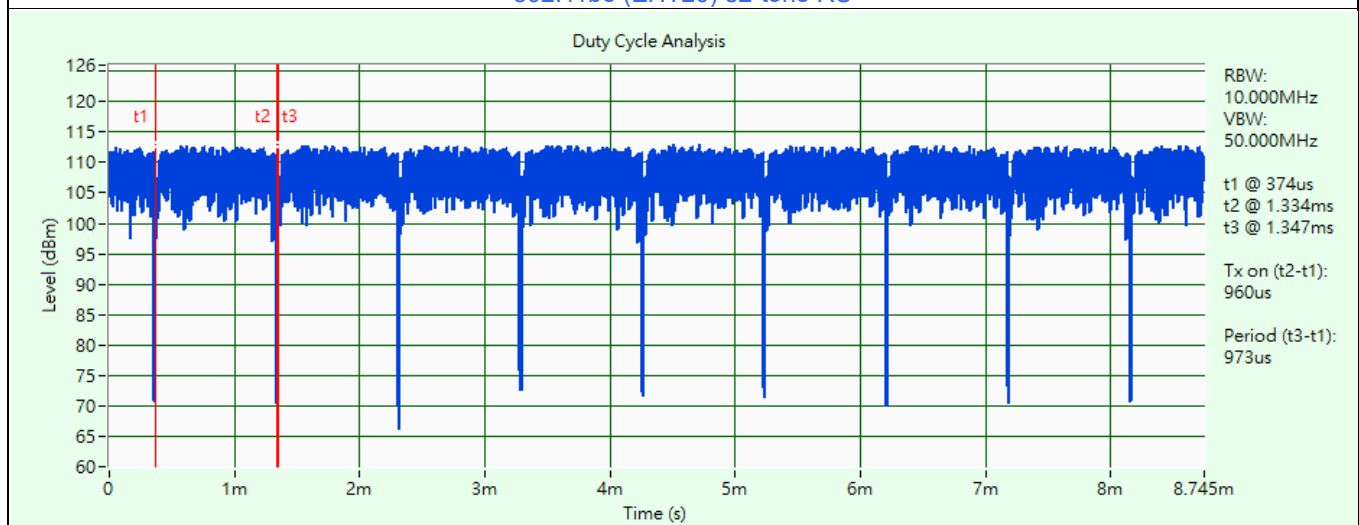
802.11be (EHT160)



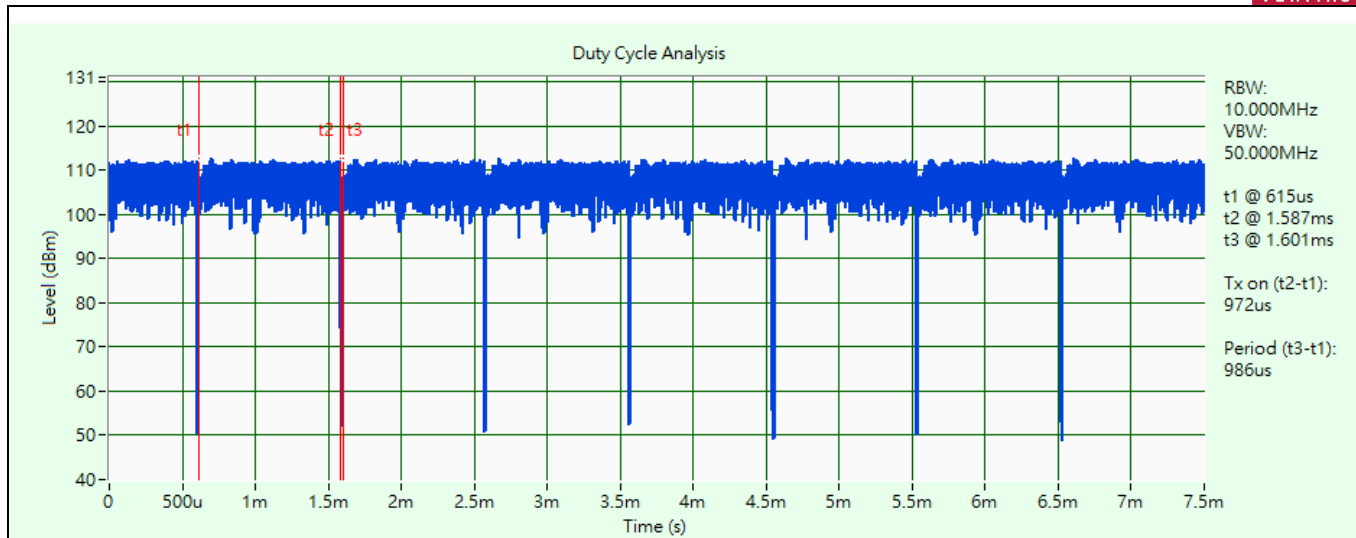
802.11be (EHT20) 26-tone RU



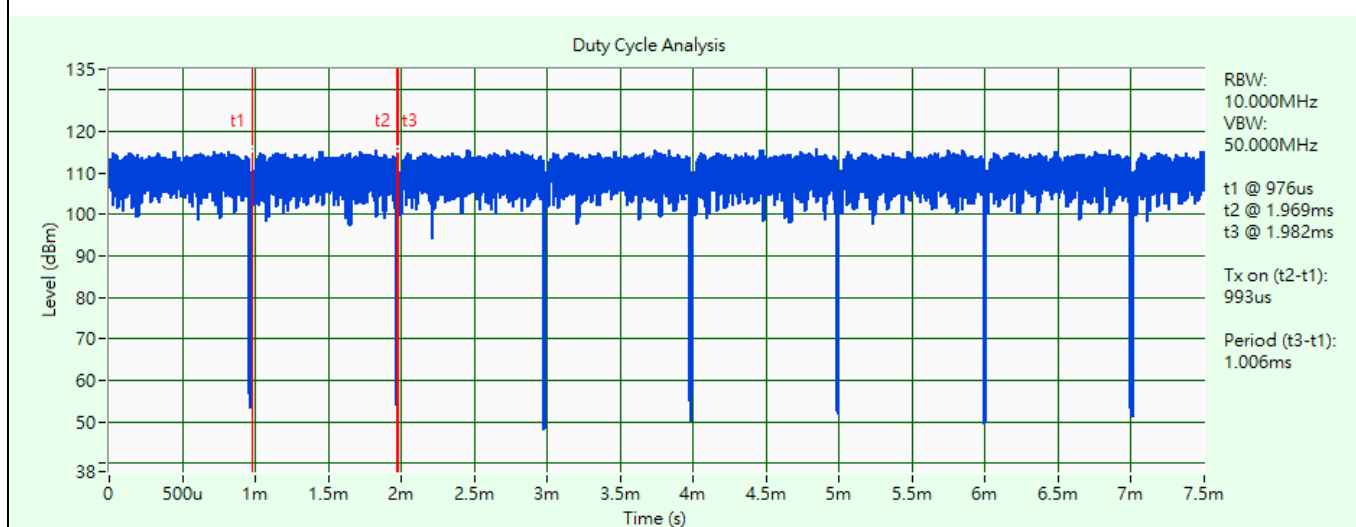
802.11be (EHT20) 52-tone RU



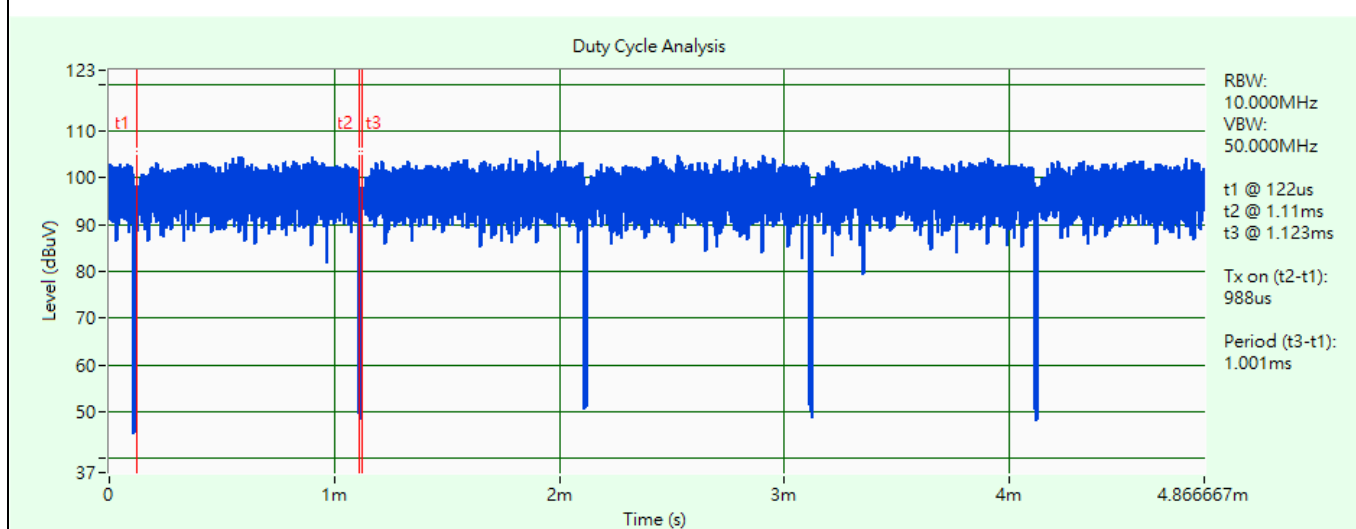
802.11be (EHT20) 106-tone RU



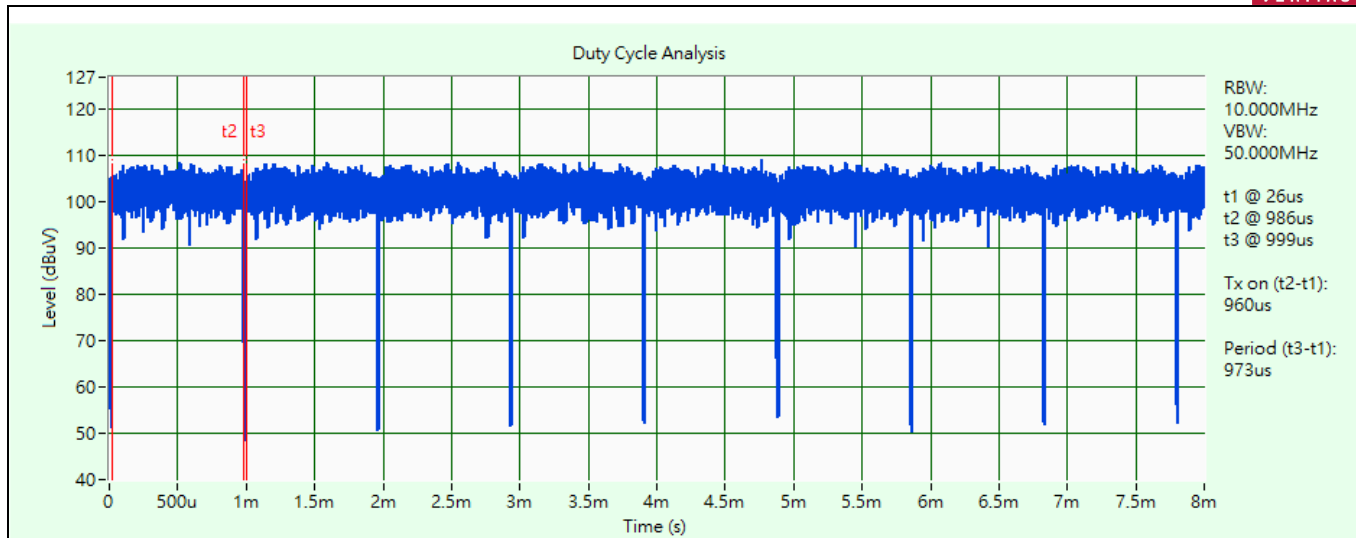
802.11be (EHT20) 52+26-tone MRU



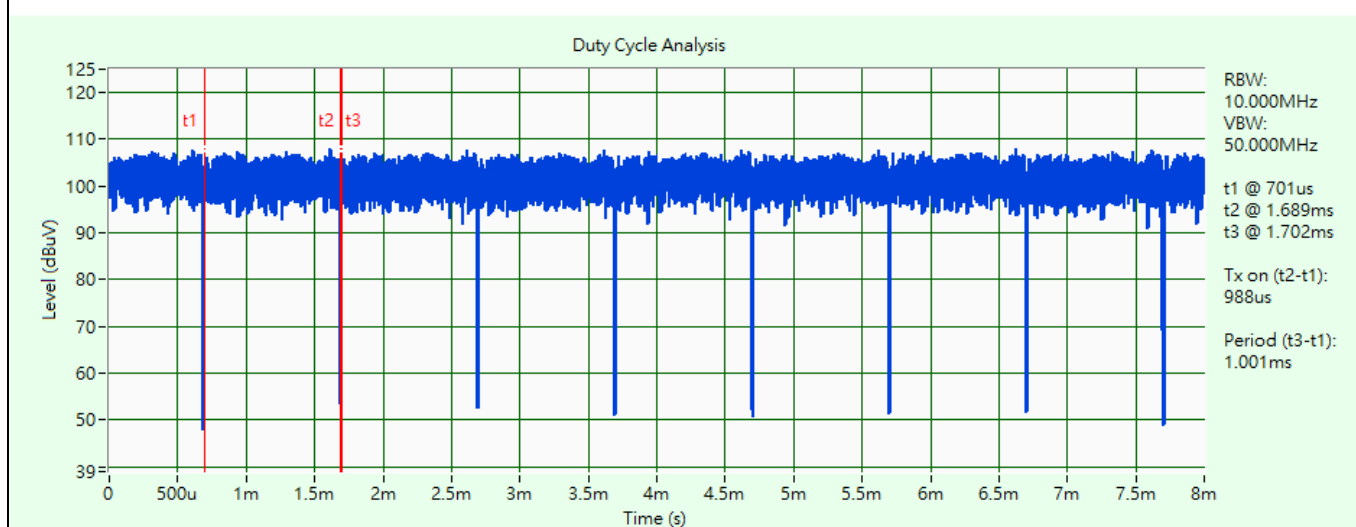
802.11be (EHT20) 106+26-tone MRU



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 = 2.161 ms / 2.173 ms x 100% = 99.4%

802.11be (EHT20): Duty cycle = 0.968 ms / 0.982 ms x 100% = 98.6%

802.11be (EHT40): Duty cycle = 0.969 ms / 0.982 ms x 100% = 98.7%

802.11be (EHT80): Duty cycle = 1.004 ms / 1.017 ms x 100% = 98.7%

802.11be (EHT160): Duty cycle = 1.004 ms / 1.017 ms x 100% = 98.7%

802.11be (EHT20) 26-tone RU: Duty cycle = 0.953 ms / 0.966 ms x 100% = 98.7%

802.11be (EHT20) 52-tone RU: Duty cycle = 0.936 ms / 0.963 ms x 100% = 97.2%, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.12 \text{ dB}$

802.11be (EHT20) 106-tone RU: Duty cycle = 0.972 ms / 0.985 ms x 100% = 98.7%

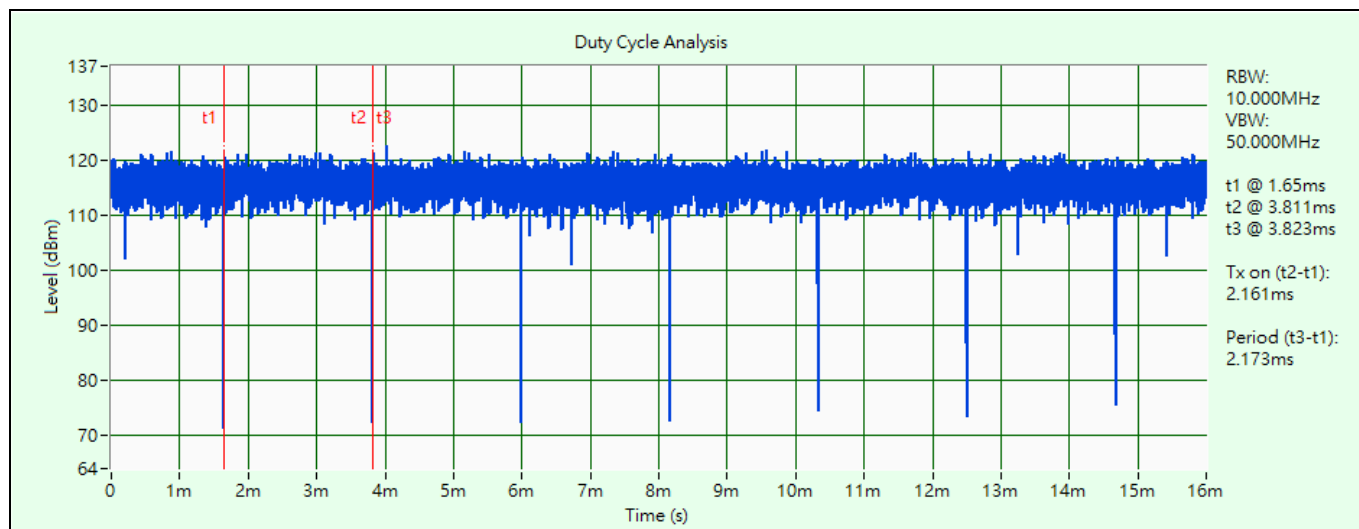
802.11be (EHT20) 52+26-tone MRU: Duty cycle = 0.988 ms / 1.001 ms x 100% = 98.7%

802.11be (EHT20) 106+26-tone MRU: Duty cycle = 1.008 ms / 1.021 ms x 100% = 98.7%

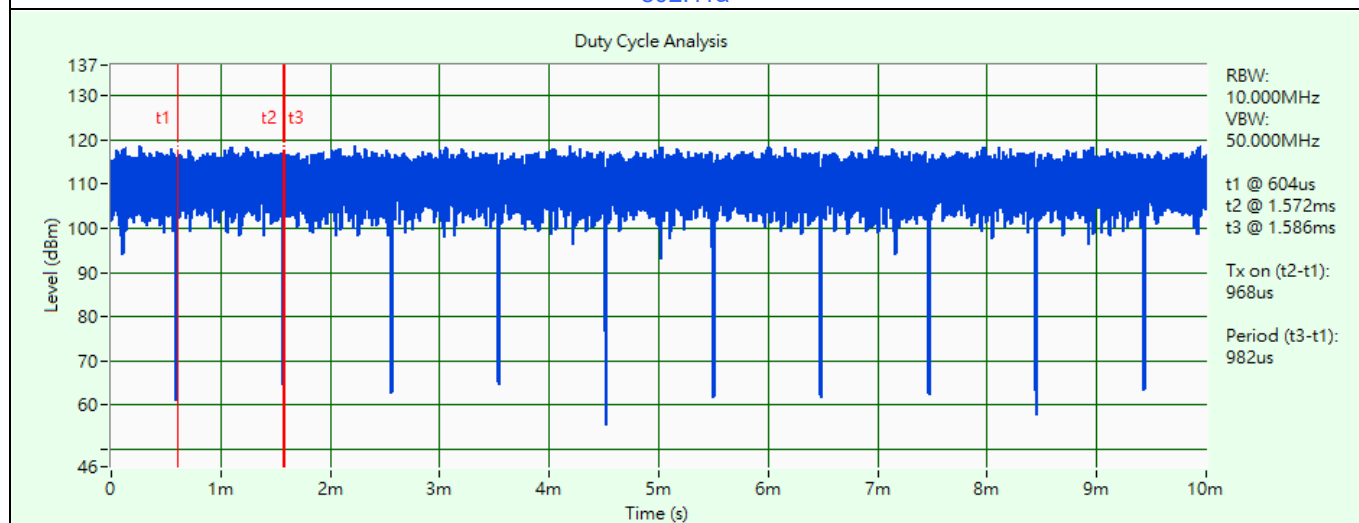
802.11be (EHT80) 484+242-tone MRU: Duty cycle = 1.005 ms / 1.018 ms x 100% = 98.7%

802.11be (EHT160) 996+484-tone MRU: Duty cycle = 0.977 ms / 0.989 ms x 100% = 98.8%

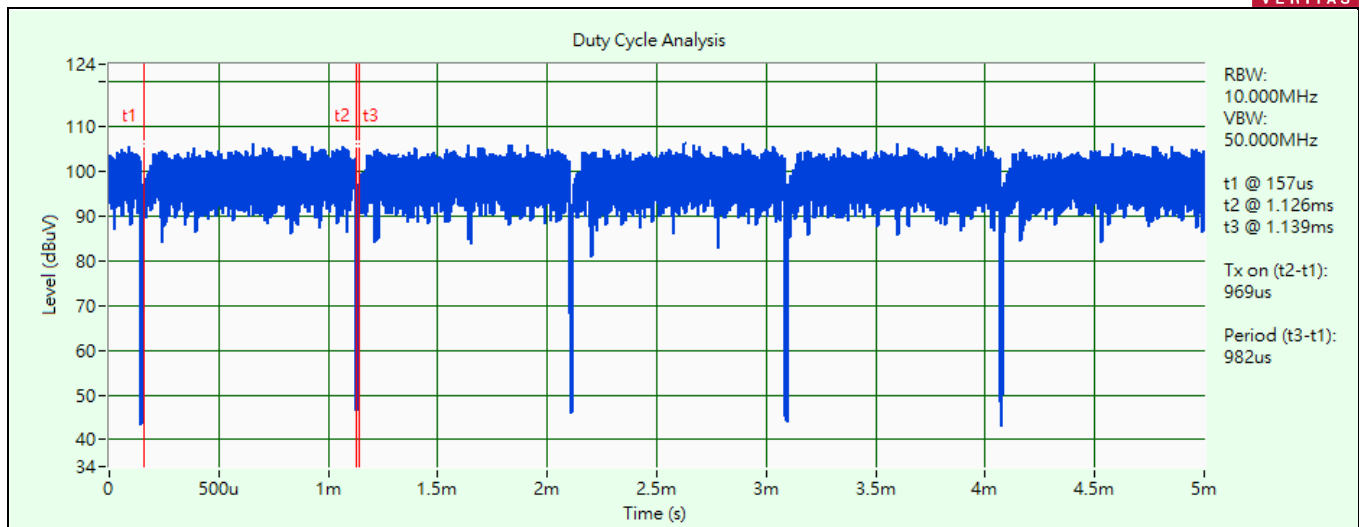
802.11be (EHT160) 996+484+242-tone MRU: Duty cycle = 1.005 ms / 1.017 ms x 100% = 98.8%



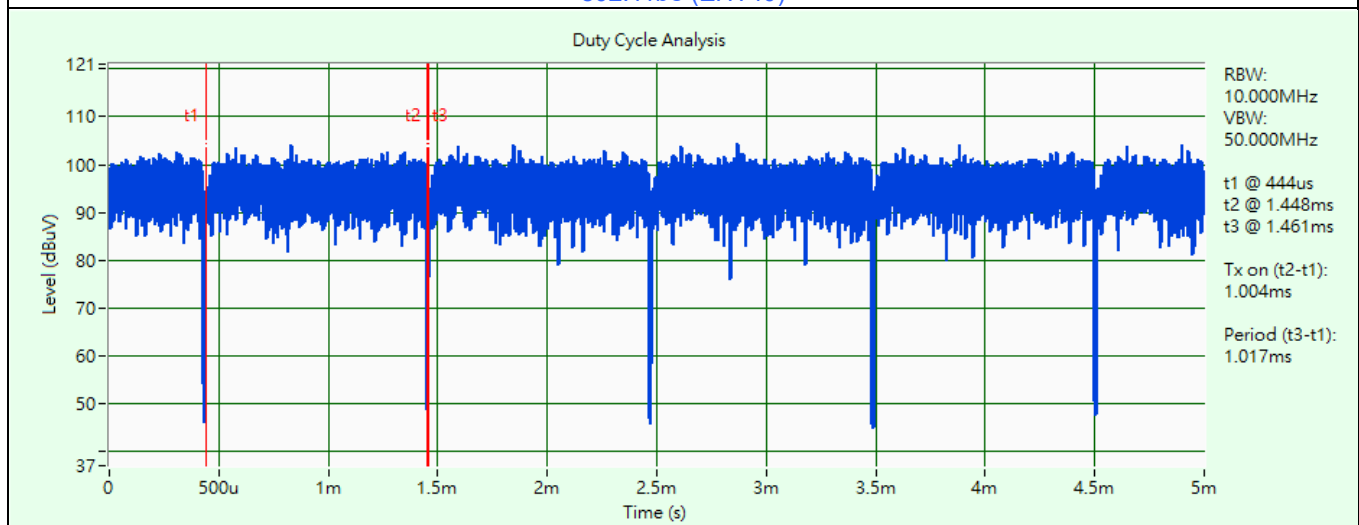
802.11a



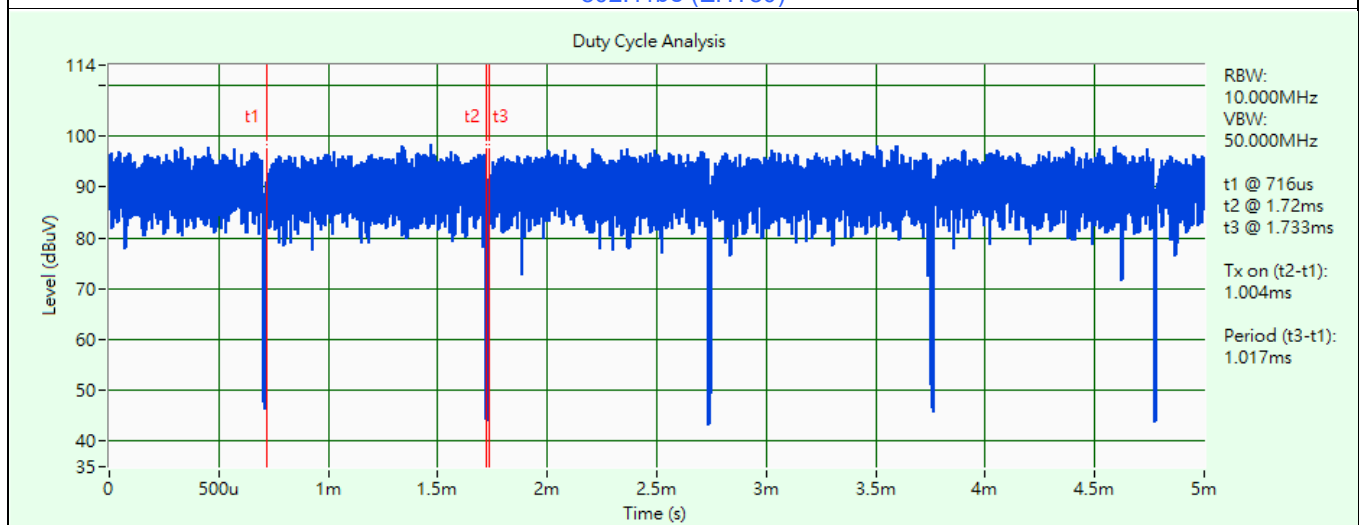
802.11be (EHT20)



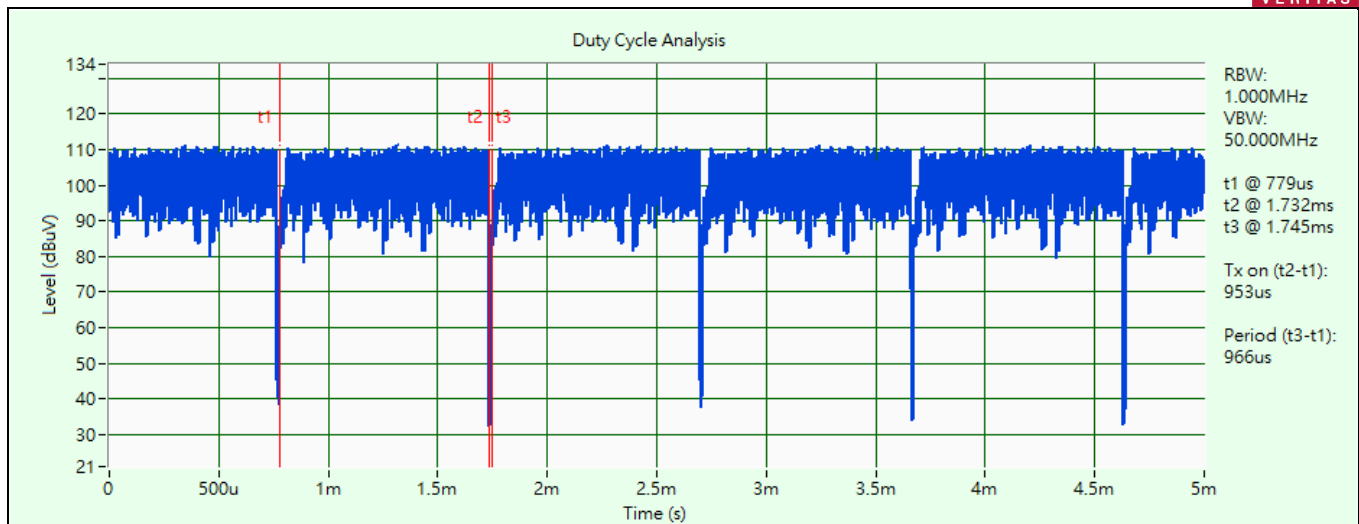
802.11be (EHT40)



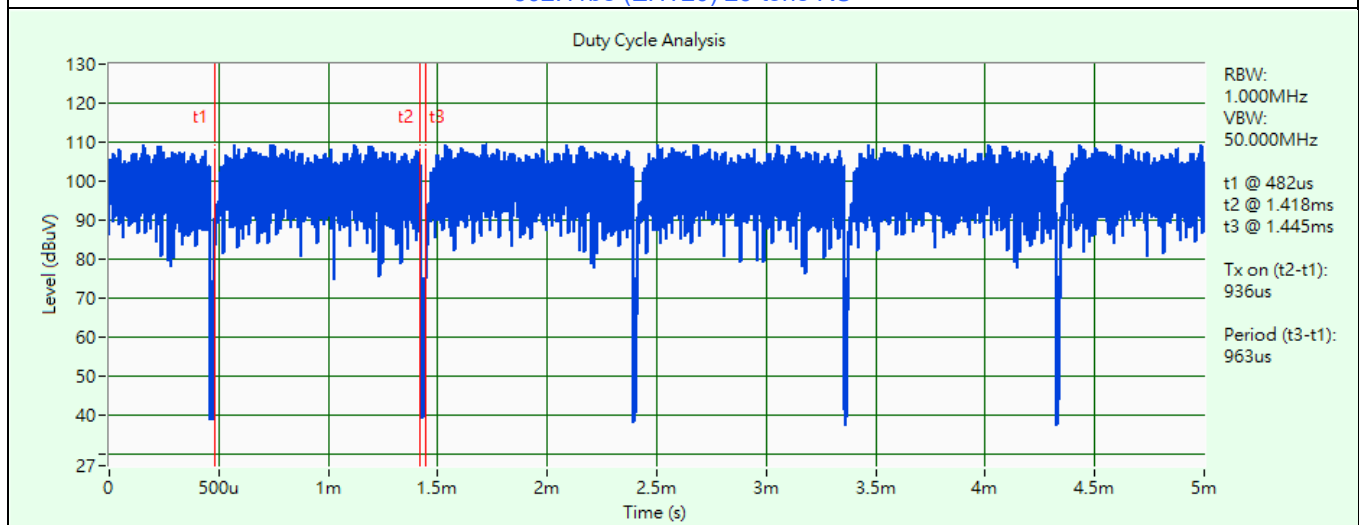
802.11be (EHT80)



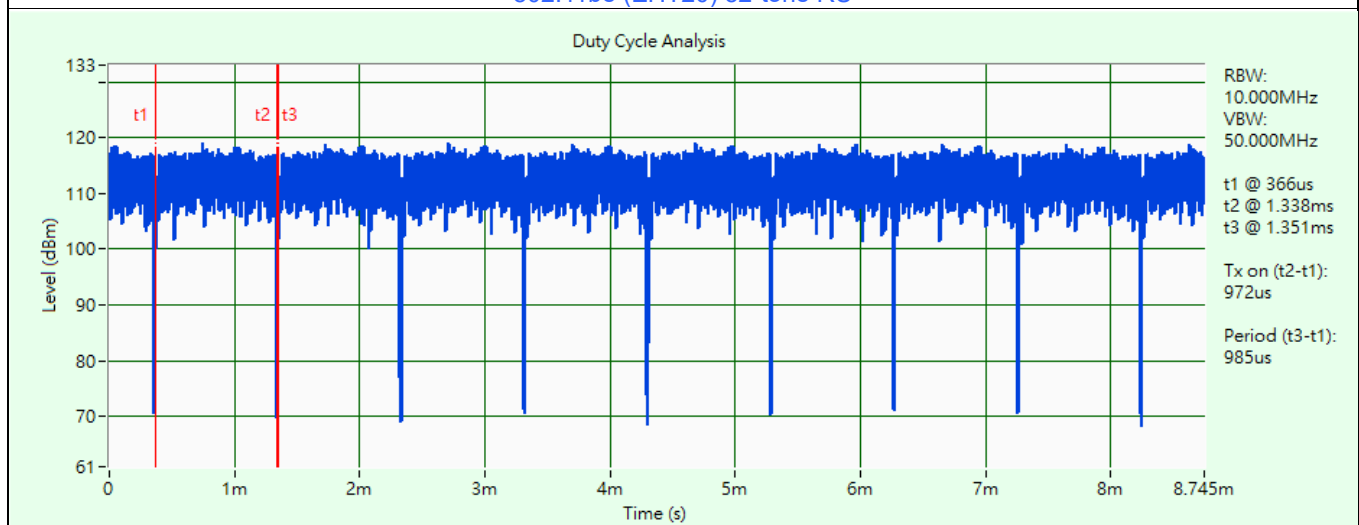
802.11be (EHT160)



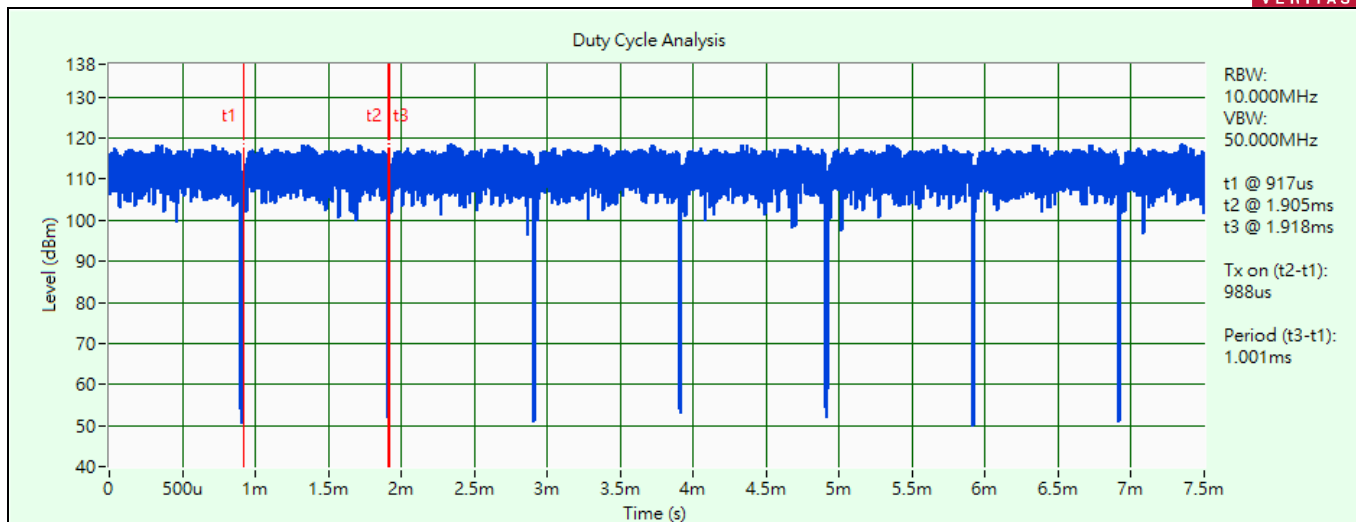
802.11be (EHT20) 26-tone RU



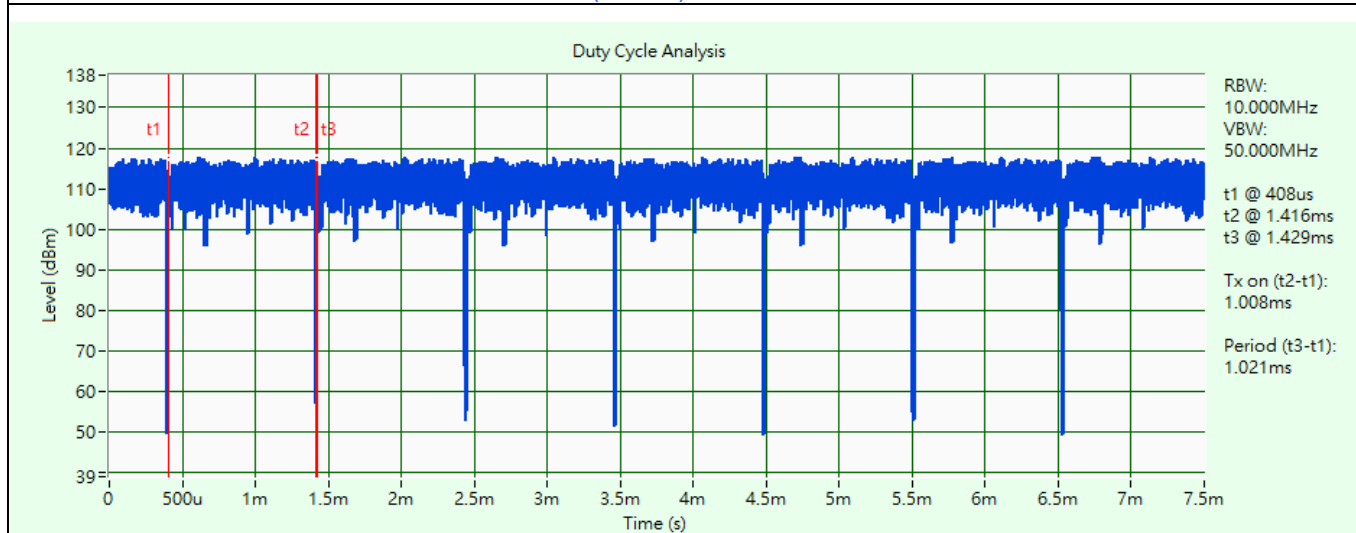
802.11be (EHT20) 52-tone RU



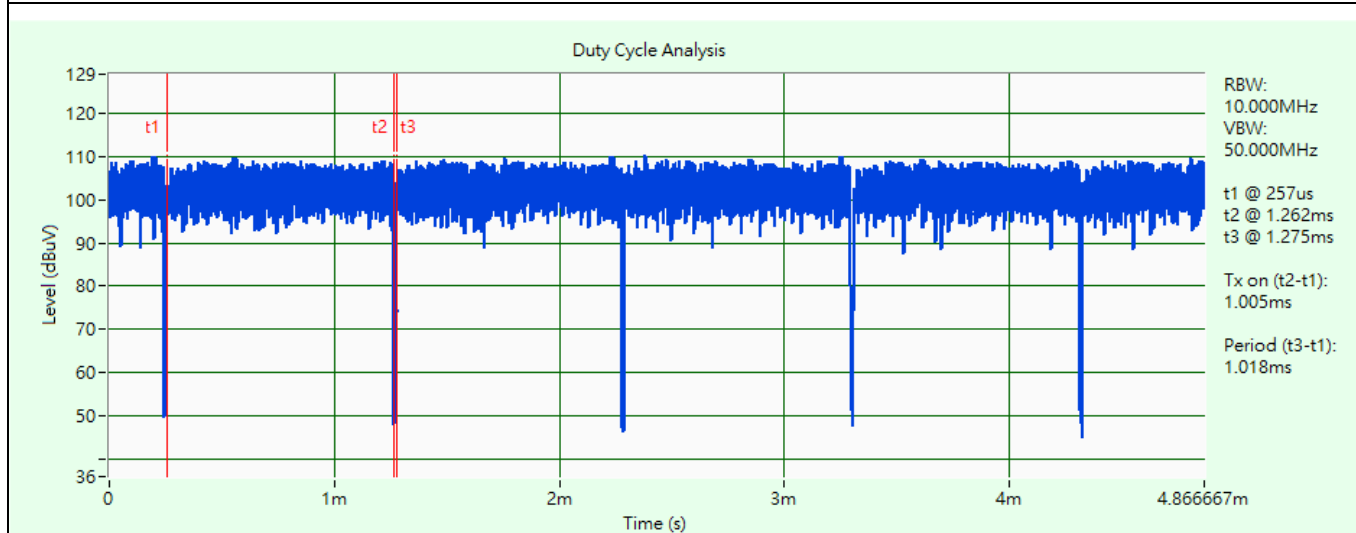
802.11be (EHT20) 106-tone RU



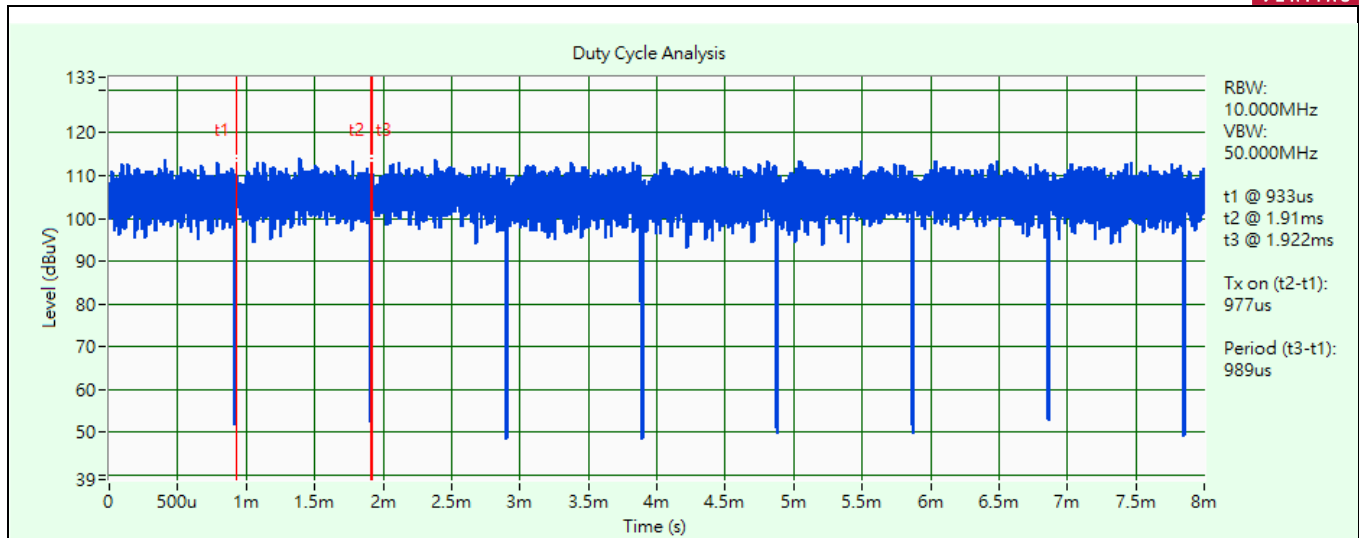
802.11be (EHT20) 52+26-tone MRU



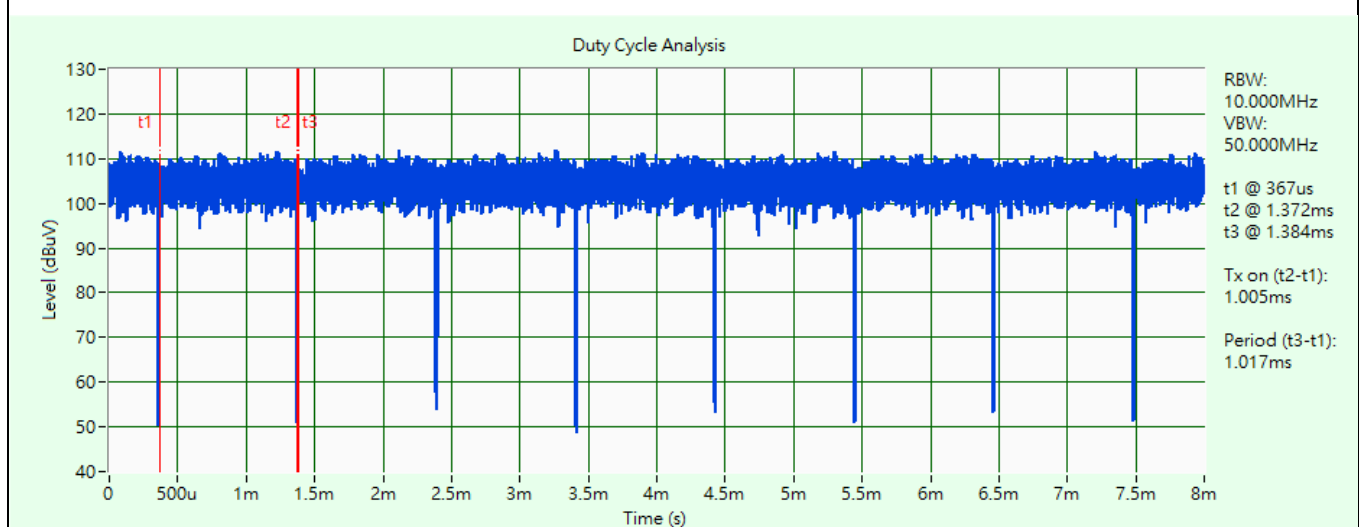
802.11be (EHT20) 106+26-tone MRU



802.11be (EHT80) 484+242-tone MRU



802.11be (EHT160) 996+484-tone MRU



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

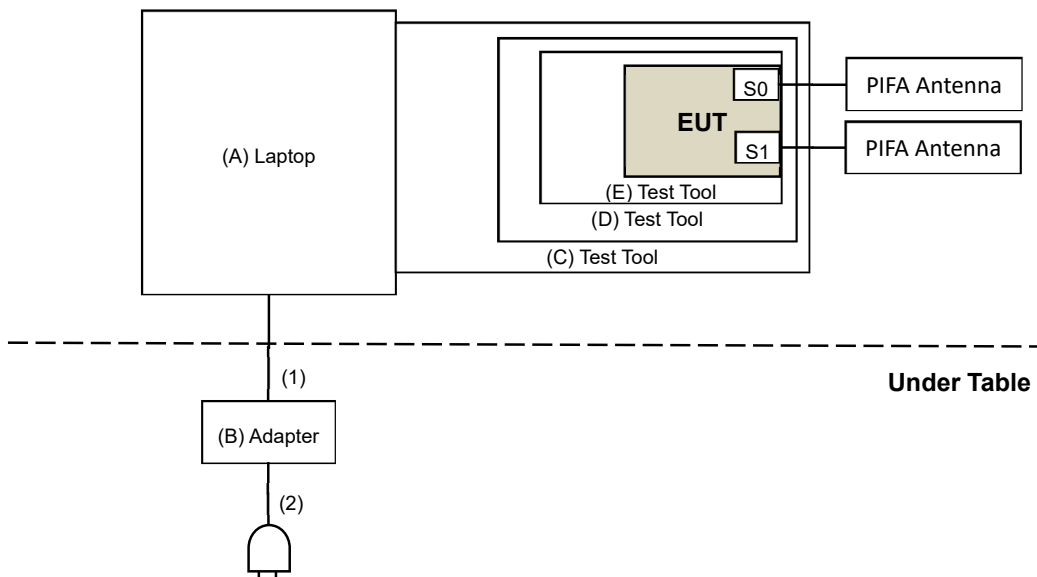
3.7 Test Program Used and Operation Descriptions

Controlling software (RTL8922D_PCIE_MP_Package_ALPHA_v1.0.26_hotfix 2(224771)) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

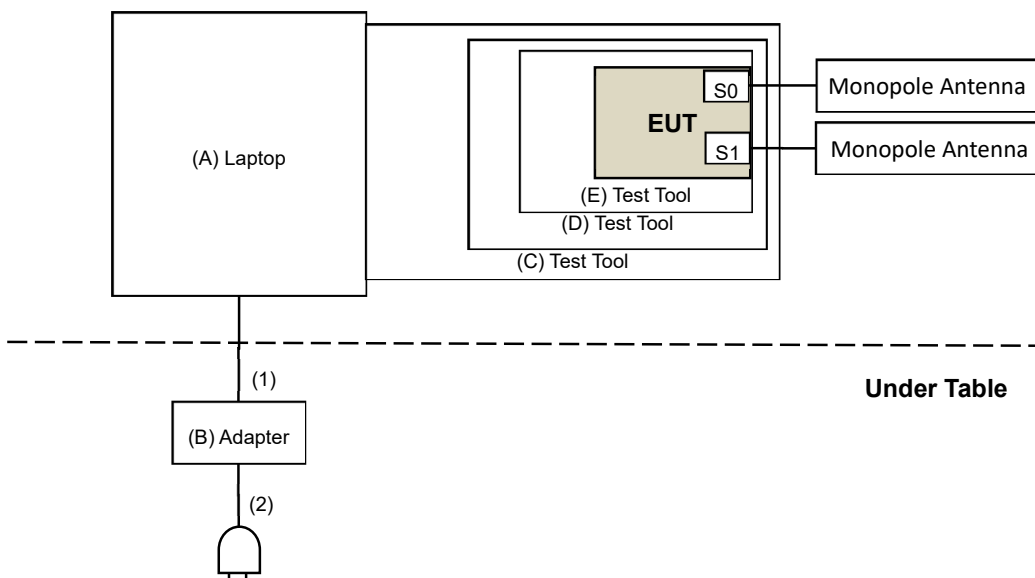
3.8 Connection Diagram of EUT and Peripheral Devices

For Unwanted Emissions test:

Mode A

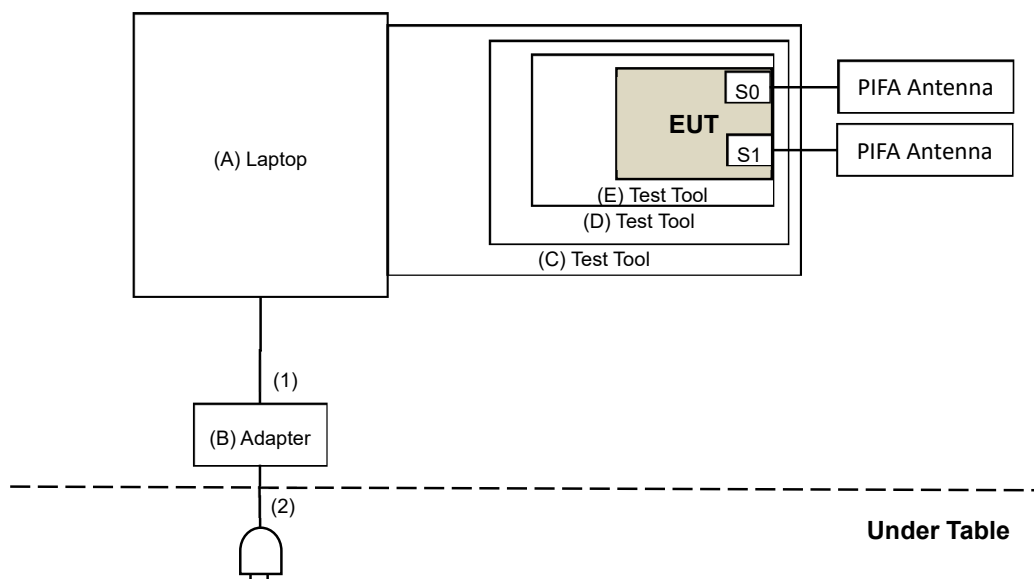


Mode B



For AC Power Conducted Emission test:

Mode A



3.9 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Notebook	DELL	E6230	G94PSY1	N/A	Provided by Lab
B	Adapter	DELL	LA65NM130	N/A	N/A	Provided by Lab
C	Test Tool	Realtek	MTE	N/A	N/A	Supplied by applicant
D	Test Tool	NFHK	N-9437 Ver2.0	N/A	N/A	Supplied by applicant
E	Test Tool	Realtek	N/A	N/A	N/A	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	1.8	0	0	Provided by Lab
2	AC Cable	1	1	0	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 HC - Oven room 2(Hsinchu).
2. Tested Date: 2026/3/8

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
MXA Signal Analyzer Keysight	N9020B	MY60112408	2026/2/12	2027/2/11
Software	ADT_RF Test Software v8.5.6.4	N/A	N/A	N/A

Notes:

1. The test was performed in HC - Oven room 2(Hsinchu).
2. Tested Date: 2026/3/8

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
EXA Signal Analyzer Keysight	N9010A	MY56070348	2025/7/14	2026/7/13
Frequency Extender Keysight	N5182BX07	MY59360198	2025/10/3	2026/10/2
MXG Vector Signal Generator Keysight	N5182B	MY53052647	2025/10/3	2026/10/2
Power Splitter/Combiner Mini-Circuits	ZFRSC-123-S+	F698501347_01	2025/10/22	2026/10/21
		F698501347_02	2025/10/22	2026/10/21
Signal & Spectrum Analyzer R&S	FSV3044	101506	2025/6/12	2026/6/11

Notes:

1. The test was performed in HC - Adaptivity room(Hsinchu).
2. Tested Date: 2026/4/30 ~ 2026/5/1

4.7 AC Power Conducted Emissions

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

Notes:

1. The test was performed in HC - Conduction 1(Hsinchu).
2. Tested Date: 2026/5/25

4.8 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-0942	2025/9/16	2026/9/15
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-01	2026/4/12	2027/4/11
Loop Antenna TESEQ	HLA 6121	63620	2025/10/20	2026/10/19
MXA Signal Analyzer Keysight	N9020B	MY60112410	2026/3/26	2027/3/25
MXE EMI Receiver Keysight	N9038A	MY59050100	2025/6/25	2026/6/24
Preamplifier EMCI	EMC330N	980852	2026/1/31	2027/1/30
RF Coaxial Cable PEWC	8D	966-6-1	2026/4/12	2027/4/11
		966-6-2	2026/4/12	2027/4/11
		966-6-3	2026/4/12	2027/4/11
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in HC - 966 Chamber No. 6(Hsinchu).
2. Tested Date: 2026/6/10 ~ 2026/6/11

4.9 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-2035	2025/11/9	2026/11/8
	BBHA 9170	BBHA9170519	2025/11/9	2026/11/8
MXA Signal Analyzer Keysight	N9020B	MY60112410	2026/3/26	2027/3/25
MXE EMI Receiver Keysight	N9038A	MY59050100	2025/6/25	2026/6/24
Preamplifier EMCI	EMC12630SE	980385	2025/5/24 2026/5/23	2026/5/23 2027/5/22
	EMC184045SE	980387	2025/8/7	2026/8/6
RF Coaxial Cable EMCI	EMC104-SM-SM-1300	210205	2025/5/24 2026/5/23	2026/5/23 2027/5/22
	EMC104-SM-SM-2000	210203	2025/5/24 2026/5/23	2026/5/23 2027/5/22
	EMC104-SM-SM-8000	221015	2025/5/24 2026/5/23	2026/5/23 2027/5/22
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in HC - 966 Chamber No. 6(Hsinchu).
2. Tested Date: 2026/4/2 ~ 2026/6/16

4.10 TPC mechanism

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2026/5/21	2027/5/20
PXA Signal Analyzer Keysight	N9030A	MY54490679	2025/11/19	2026/11/18
Software	ADT_RF Test Software v8.6.5.4	N/A	N/A	N/A

Notes:

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

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:

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

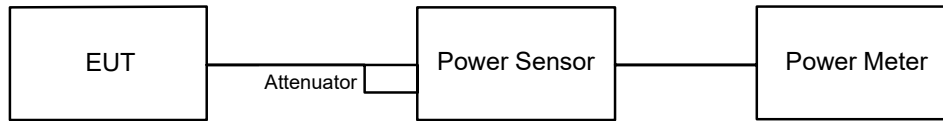
5.10 TPC mechanism

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

6 Test Arrangements

6.1 Maximum RF Output Power

6.1.1 Test Setup

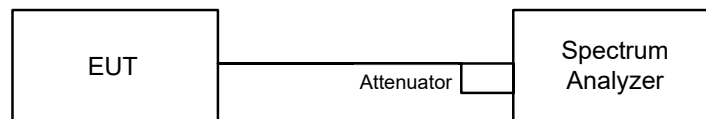


6.1.2 Test Procedure

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

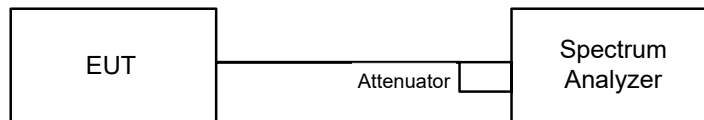
For specified measurement bandwidth 1 MHz:

Method SA-2

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

6.3 Emission Bandwidth

6.3.1 Test Setup

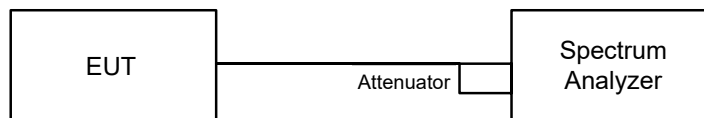


6.3.2 Test Procedure

- 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

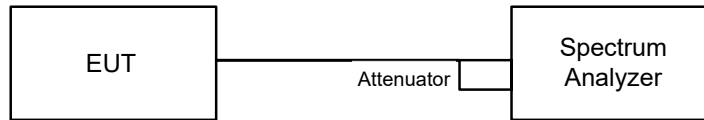


6.4.2 Test Procedure

- 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. (This will be used to 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 $\geq 3 \times$ 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



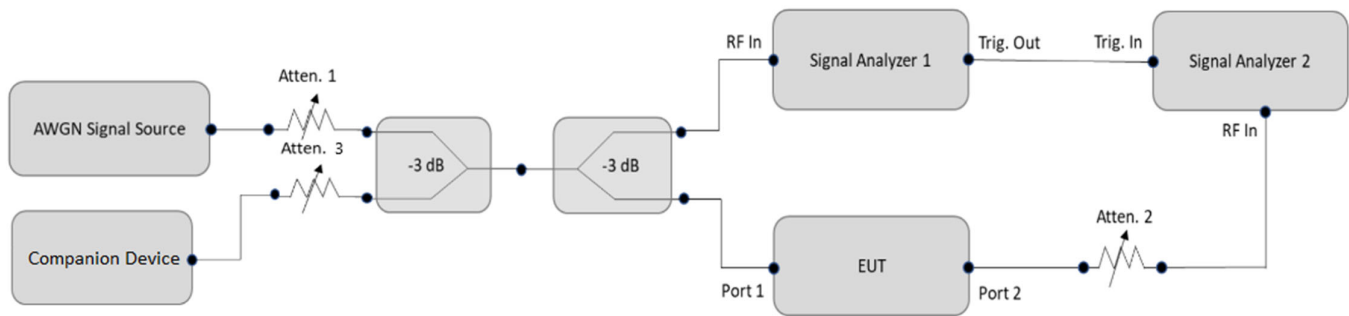
6.5.2 Test Procedure

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

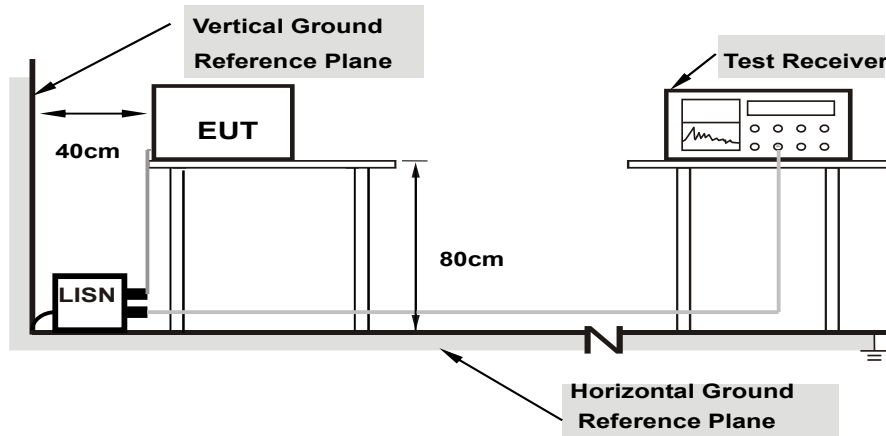
- Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT. Connect the output port of the EUT to the signal analyzer 2. Ensure that the attenuator 2 provides enough attenuation 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

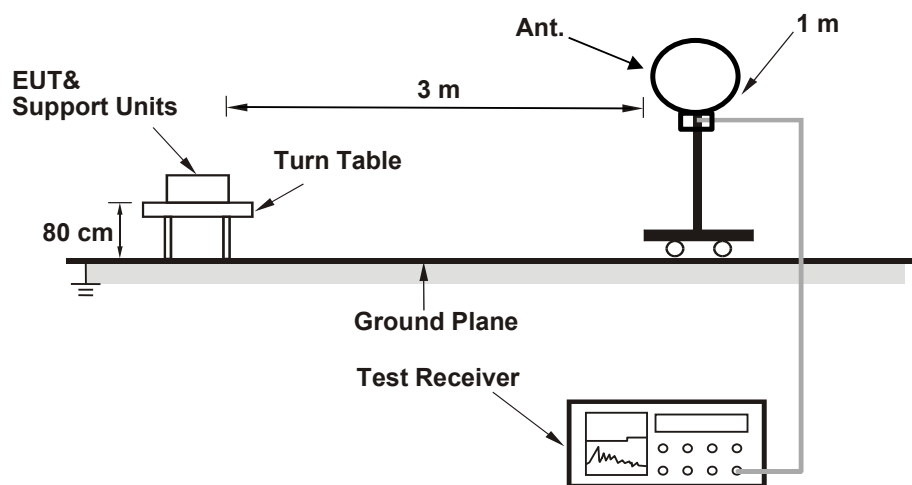
- Exploratory ac power-line conducted emission measurements: The EUT shall be operated on the mid channel and in the mode with highest output power unless the fundamental operates in the AC power-line emission test range then the EUT shall be operated in the range of typical modes of operation.
- The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

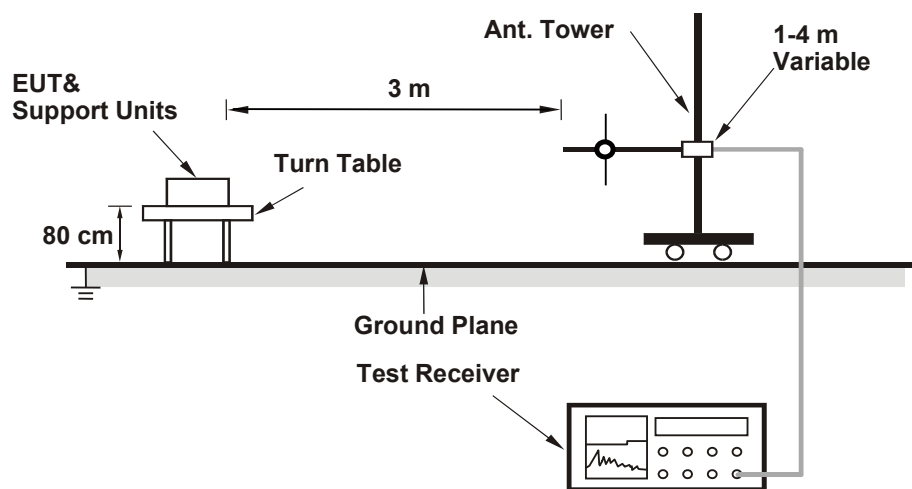
6.8 Unwanted Emissions below 1 GHz

6.8.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.8.2 Test Procedure

For Radiated emission below 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. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- d. 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. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode (however, peak detector measurements may be used to determine compliance with QP requirements), except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 200 Hz at frequency below 150 kHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz or 10 kHz at frequency (150 kHz to 30 MHz).
3. All modes of operation were investigated and the worst-case emissions are reported.

For Radiated emission above 30 MHz

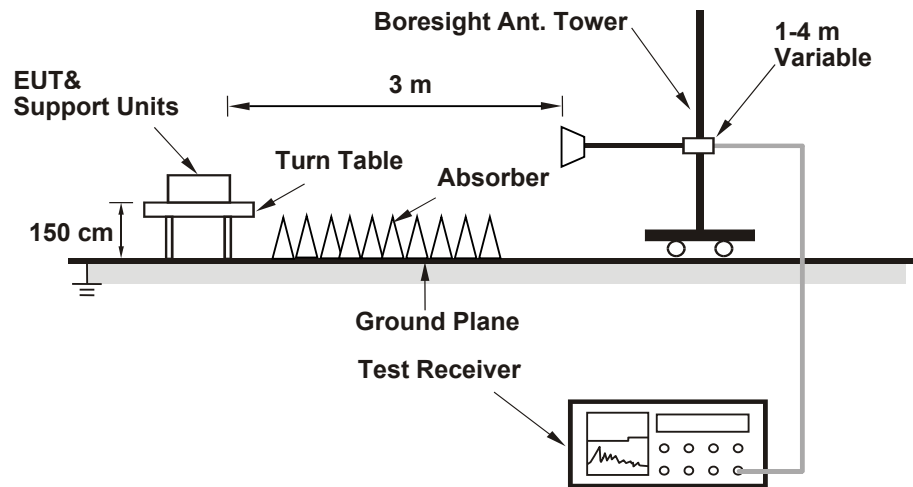
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the 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(QP) detect function, Average(AV) detect function, Peak(PK) 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 below 1 GHz (however, peak detector measurements may be used to determine compliance with QP requirements).
2. All modes of operation were investigated and the worst-case emissions are reported.

6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup



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

6.9.2 Test Procedure

- 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.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 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.
- 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.
- 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:

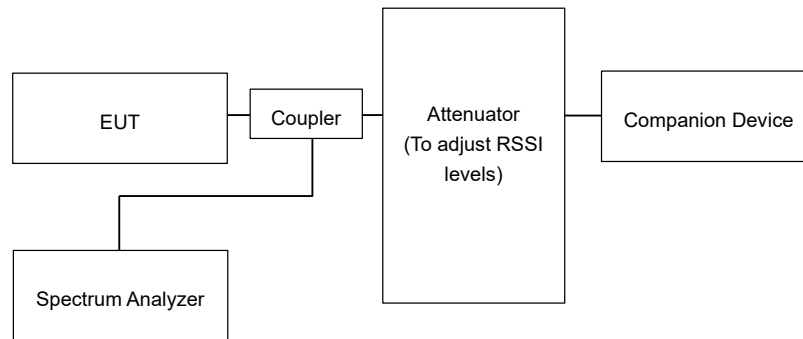
- The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) and Average detection (AV) at frequency above 1 GHz.
- For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz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

For Integration method:

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

6.10 TPC mechanism

6.10.1 Test Setup



Client to Client Set Up

6.10.2 Test Procedure

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

7 Test Results of Test Item

7.1 Maximum RF Output Power

Input Power:	3.3 Vdc	Environmental Conditions:	21°C, 64% RH	Tested By:	Katina Lu
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VLP 1Tx

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	1.914	2.82	5.00	6.053	7.82	14	Pass
49	6195	1.875	2.73	5.00	5.929	7.73	14	Pass
93	6415	1.941	2.88	5.00	6.138	7.88	14	Pass
97	6435	1.945	2.89	5.00	6.151	7.89	14	Pass
105	6475	1.928	2.85	5.00	6.097	7.85	14	Pass
113	6515	1.968	2.94	5.00	6.223	7.94	14	Pass
117	6535	1.95	2.90	5.00	6.166	7.9	14	Pass
149	6695	1.941	2.88	5.00	6.138	7.88	14	Pass
181	6855	1.95	2.90	5.00	6.166	7.9	14	Pass
185	6875	1.945	2.89	5.00	6.151	7.89	14	Pass
209	6995	1.945	2.89	5.00	6.151	7.89	14	Pass
233	7115	1.968	2.94	5.00	6.223	7.94	14	Pass

Notes:

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

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	2.158	3.34	5.00	6.824	8.34	14	Pass
49	6195	2.173	3.37	5.00	6.872	8.37	14	Pass
93	6415	2.178	3.38	5.00	6.887	8.38	14	Pass
97	6435	2.218	3.46	5.00	7.014	8.46	14	Pass
105	6475	2.188	3.40	5.00	6.919	8.4	14	Pass
113	6515	2.198	3.42	5.00	6.951	8.42	14	Pass
117	6535	2.203	3.43	5.00	6.966	8.43	14	Pass
149	6695	2.138	3.30	5.00	6.761	8.3	14	Pass
181	6855	2.138	3.30	5.00	6.761	8.3	14	Pass
185	6875	2.158	3.34	5.00	6.824	8.34	14	Pass
209	6995	2.138	3.30	5.00	6.761	8.3	14	Pass
233	7115	2.168	3.36	5.00	6.856	8.36	14	Pass

Notes:

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

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
3	5965	4.688	6.71	5.00	14.825	11.71	14	Pass
51	6205	4.656	6.68	5.00	14.724	11.68	14	Pass
91	6405	4.677	6.70	5.00	14.79	11.7	14	Pass
99	6445	4.667	6.69	5.00	14.758	11.69	14	Pass
107	6485	4.656	6.68	5.00	14.724	11.68	14	Pass
115	6525	4.887	6.89	5.00	15.454	11.89	14	Pass
123	6565	4.645	6.67	5.00	14.689	11.67	14	Pass
147	6685	4.634	6.66	5.00	14.654	11.66	14	Pass
179	6845	4.55	6.58	5.00	14.388	11.58	14	Pass
187	6885	4.498	6.53	5.00	14.224	11.53	14	Pass
203	6965	4.645	6.67	5.00	14.689	11.67	14	Pass
227	7085	4.613	6.64	5.00	14.588	11.64	14	Pass

Notes:

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

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
7	5985	7.745	8.89	5.00	24.492	13.89	14	Pass
55	6225	7.762	8.90	5.00	24.546	13.9	14	Pass
87	6385	7.691	8.86	5.00	24.321	13.86	14	Pass
103	6465	7.852	8.95	5.00	24.83	13.95	14	Pass
119	6545	7.762	8.90	5.00	24.546	13.9	14	Pass
135	6625	7.586	8.80	5.00	23.989	13.8	14	Pass
151	6705	7.674	8.85	5.00	24.267	13.85	14	Pass
167	6785	7.656	8.84	5.00	24.21	13.84	14	Pass
183	6865	7.656	8.84	5.00	24.21	13.84	14	Pass
199	6945	7.674	8.85	5.00	24.267	13.85	14	Pass
215	7025	7.816	8.93	5.00	24.716	13.93	14	Pass

Notes:

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

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	7.745	8.89	5.00	24.492	13.89	14	Pass
47	6185	7.762	8.90	5.00	24.546	13.9	14	Pass
79	6345	7.638	8.83	5.00	24.153	13.83	14	Pass
111	6505	7.638	8.83	5.00	24.153	13.83	14	Pass
143	6665	7.762	8.90	5.00	24.546	13.9	14	Pass
175	6825	7.798	8.92	5.00	24.659	13.92	14	Pass
207	6985	7.586	8.80	5.00	23.989	13.8	14	Pass

Notes:

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

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	0.2786	-5.55	5.00	0.881	-0.55	14	Pass
49	6195	0.2716	-5.66	5.00	0.8589	-0.66	14	Pass
93	6415	0.2818	-5.50	5.00	0.8911	-0.5	14	Pass
97	6435	0.2805	-5.52	5.00	0.887	-0.52	14	Pass
105	6475	0.2884	-5.40	5.00	0.912	-0.4	14	Pass
113	6515	0.2818	-5.50	5.00	0.8911	-0.5	14	Pass
117	6535	0.2812	-5.51	5.00	0.8892	-0.51	14	Pass
149	6695	0.2812	-5.51	5.00	0.8892	-0.51	14	Pass
181	6855	0.2742	-5.62	5.00	0.8671	-0.62	14	Pass
185	6875	0.2704	-5.68	5.00	0.8551	-0.68	14	Pass
209	6995	0.2692	-5.70	5.00	0.8513	-0.7	14	Pass
233	7115	0.2793	-5.54	5.00	0.8832	-0.54	14	Pass

Notes:

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

802.11be (EHT20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	0.5188	-2.85	5.00	1.641	2.15	14	Pass
49	6195	0.5129	-2.90	5.00	1.622	2.1	14	Pass
93	6415	0.5058	-2.96	5.00	1.599	2.04	14	Pass
97	6435	0.5082	-2.94	5.00	1.607	2.06	14	Pass
105	6475	0.5105	-2.92	5.00	1.614	2.08	14	Pass
113	6515	0.5023	-2.99	5.00	1.588	2.01	14	Pass
117	6535	0.5176	-2.86	5.00	1.637	2.14	14	Pass
149	6695	0.5023	-2.99	5.00	1.588	2.01	14	Pass
181	6855	0.5035	-2.98	5.00	1.592	2.02	14	Pass
185	6875	0.5023	-2.99	5.00	1.588	2.01	14	Pass
209	6995	0.5129	-2.90	5.00	1.622	2.1	14	Pass
233	7115	0.5164	-2.87	5.00	1.633	2.13	14	Pass

Notes:

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

802.11be (EHT20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	0.9977	-0.01	5.00	3.155	4.99	14	Pass
49	6195	0.9638	-0.16	5.00	3.048	4.84	14	Pass
93	6415	0.9772	-0.10	5.00	3.09	4.9	14	Pass
97	6435	0.9863	-0.06	5.00	3.119	4.94	14	Pass
105	6475	0.9727	-0.12	5.00	3.076	4.88	14	Pass
113	6515	0.955	-0.20	5.00	3.02	4.8	14	Pass
117	6535	0.9886	-0.05	5.00	3.126	4.95	14	Pass
149	6695	0.9683	-0.14	5.00	3.062	4.86	14	Pass
181	6855	0.9506	-0.22	5.00	3.006	4.78	14	Pass
185	6875	0.9638	-0.16	5.00	3.048	4.84	14	Pass
209	6995	0.9705	-0.13	5.00	3.069	4.87	14	Pass
233	7115	0.9772	-0.10	5.00	3.09	4.9	14	Pass

Notes:

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

802.11be (EHT20) 52+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	0.8054	-0.94	5.00	2.547	4.06	14	Pass
49	6195	0.7691	-1.14	5.00	2.432	3.86	14	Pass
93	6415	0.8128	-0.90	5.00	2.57	4.1	14	Pass
97	6435	0.8185	-0.87	5.00	2.588	4.13	14	Pass
105	6475	0.8091	-0.92	5.00	2.559	4.08	14	Pass
113	6515	0.7762	-1.10	5.00	2.455	3.9	14	Pass
117	6535	0.8299	-0.81	5.00	2.624	4.19	14	Pass
149	6695	0.7586	-1.20	5.00	2.399	3.8	14	Pass
181	6855	0.7691	-1.14	5.00	2.432	3.86	14	Pass
185	6875	0.8035	-0.95	5.00	2.541	4.05	14	Pass
209	6995	0.778	-1.09	5.00	2.46	3.91	14	Pass
233	7115	0.7943	-1.00	5.00	2.512	4	14	Pass

Notes:

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

802.11be (EHT20) 106+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	1.312	1.18	5.00	4.149	6.18	14	Pass
49	6195	1.288	1.10	5.00	4.073	6.1	14	Pass
93	6415	1.318	1.20	5.00	4.168	6.2	14	Pass
97	6435	1.297	1.13	5.00	4.101	6.13	14	Pass
105	6475	1.282	1.08	5.00	4.054	6.08	14	Pass
113	6515	1.34	1.27	5.00	4.237	6.27	14	Pass
117	6535	1.318	1.20	5.00	4.168	6.2	14	Pass
149	6695	1.265	1.02	5.00	4	6.02	14	Pass
181	6855	1.259	1.00	5.00	3.981	6	14	Pass
185	6875	1.288	1.10	5.00	4.073	6.1	14	Pass
209	6995	1.288	1.10	5.00	4.073	6.1	14	Pass
233	7115	1.318	1.20	5.00	4.168	6.2	14	Pass

Notes:

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

802.11be (EHT80) 484+242-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
7	5985	5.129	7.10	5.00	16.219	12.1	14	Pass
55	6225	5.023	7.01	5.00	15.884	12.01	14	Pass
87	6385	5.129	7.10	5.00	16.219	12.1	14	Pass
103	6465	5.248	7.20	5.00	16.596	12.2	14	Pass
119	6545	5.284	7.23	5.00	16.709	12.23	14	Pass
135	6625	5.07	7.05	5.00	16.033	12.05	14	Pass
151	6705	5.495	7.40	5.00	17.377	12.4	14	Pass
167	6785	5.358	7.29	5.00	16.943	12.29	14	Pass
183	6865	5.495	7.40	5.00	17.377	12.4	14	Pass
199	6945	5.224	7.18	5.00	16.52	12.18	14	Pass
215	7025	5.321	7.26	5.00	16.826	12.26	14	Pass

Notes:

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

802.11be (EHT160) 996+484-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	5.117	7.09	5.00	16.181	12.09	14	Pass
47	6185	5.012	7.00	5.00	15.849	12	14	Pass
79	6345	5.012	7.00	5.00	15.849	12	14	Pass
111	6505	5.082	7.06	5.00	16.071	12.06	14	Pass
143	6665	5.058	7.04	5.00	15.995	12.04	14	Pass
175	6825	5.082	7.06	5.00	16.071	12.06	14	Pass
207	6985	5.082	7.06	5.00	16.071	12.06	14	Pass

Notes:

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

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

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	6.109	7.86	5.00	19.318	12.86	14	Pass
47	6185	5.702	7.56	5.00	18.031	12.56	14	Pass
79	6345	5.794	7.63	5.00	18.322	12.63	14	Pass
111	6505	5.861	7.68	5.00	18.534	12.68	14	Pass
143	6665	5.875	7.69	5.00	18.578	12.69	14	Pass
175	6825	5.662	7.53	5.00	17.905	12.53	14	Pass
207	6985	5.662	7.53	5.00	17.905	12.53	14	Pass

Notes:

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

Input Power:	3.3 Vdc	Environmental Conditions:	24°C, 61% RH	Tested By:	Katina Lu
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VLP 2Tx

802.11a

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	-3.27	-3.10	0.9608	-0.17	5.00	3.038	4.83	14	Pass
49	6195	-3.10	-3.19	0.9695	-0.13	5.00	3.066	4.87	14	Pass
93	6415	-3.14	-3.03	0.983	-0.07	5.00	3.109	4.93	14	Pass
97	6435	-3.07	-3.04	0.9898	-0.04	5.00	3.13	4.96	14	Pass
105	6475	-3.17	-3.04	0.9785	-0.09	5.00	3.094	4.91	14	Pass
113	6515	-3.09	-3.27	0.9619	-0.17	5.00	3.042	4.83	14	Pass
117	6535	-3.17	-3.05	0.9774	-0.10	5.00	3.091	4.9	14	Pass
149	6695	-3.10	-3.35	0.9522	-0.21	5.00	3.011	4.79	14	Pass
181	6855	-3.26	-3.12	0.9596	-0.18	5.00	3.035	4.82	14	Pass
185	6875	-3.17	-3.21	0.9595	-0.18	5.00	3.034	4.82	14	Pass
209	6995	-3.14	-3.09	0.9762	-0.10	5.00	3.087	4.9	14	Pass
233	7115	-3.02	-3.05	0.9943	-0.02	5.00	3.144	4.98	14	Pass

Notes:

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

802.11be (EHT20)

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	0.43	0.30	2.176	3.38	5.00	6.881	8.38	14	Pass
49	6195	0.33	0.35	2.163	3.35	5.00	6.84	8.35	14	Pass
93	6415	0.46	0.40	2.208	3.44	5.00	6.982	8.44	14	Pass
97	6435	0.35	0.30	2.155	3.33	5.00	6.815	8.33	14	Pass
105	6475	0.35	0.43	2.188	3.40	5.00	6.919	8.4	14	Pass
113	6515	0.36	0.34	2.168	3.36	5.00	6.856	8.36	14	Pass
117	6535	0.30	0.40	2.168	3.36	5.00	6.856	8.36	14	Pass
149	6695	0.26	0.32	2.138	3.30	5.00	6.761	8.3	14	Pass
181	6855	0.32	0.25	2.136	3.30	5.00	6.755	8.3	14	Pass
185	6875	0.33	0.28	2.146	3.32	5.00	6.786	8.32	14	Pass
209	6995	0.31	0.30	2.146	3.32	5.00	6.786	8.32	14	Pass
233	7115	0.48	0.47	2.231	3.48	5.00	7.055	8.48	14	Pass

Notes:

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

802.11be (EHT40)

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	3.46	3.49	4.452	6.49	5.00	14.078	11.49	14	Pass
51	6205	3.45	3.50	4.452	6.49	5.00	14.078	11.49	14	Pass
91	6405	3.45	3.46	4.431	6.47	5.00	14.012	11.47	14	Pass
99	6445	3.40	3.55	4.452	6.49	5.00	14.078	11.49	14	Pass
107	6485	3.43	3.52	4.452	6.49	5.00	14.078	11.49	14	Pass
115	6525	3.44	3.52	4.457	6.49	5.00	14.094	11.49	14	Pass
123	6565	3.48	3.45	4.442	6.48	5.00	14.047	11.48	14	Pass
147	6685	3.34	3.35	4.32	6.35	5.00	13.661	11.35	14	Pass
179	6845	3.49	3.40	4.421	6.46	5.00	13.98	11.46	14	Pass
187	6885	3.42	3.44	4.406	6.44	5.00	13.933	11.44	14	Pass
203	6965	3.44	3.45	4.422	6.46	5.00	13.984	11.46	14	Pass
227	7085	3.43	3.49	4.436	6.47	5.00	14.028	11.47	14	Pass

Notes:

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

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	5.92	5.90	7.799	8.92	5.00	24.663	13.92	14	Pass
55	6225	5.77	5.92	7.684	8.86	5.00	24.299	13.86	14	Pass
87	6385	5.91	5.80	7.701	8.87	5.00	24.353	13.87	14	Pass
103	6465	5.92	5.89	7.79	8.92	5.00	24.634	13.92	14	Pass
119	6545	5.90	5.91	7.79	8.92	5.00	24.634	13.92	14	Pass
135	6625	5.93	5.86	7.772	8.91	5.00	24.577	13.91	14	Pass
151	6705	5.92	5.90	7.799	8.92	5.00	24.663	13.92	14	Pass
167	6785	5.82	5.98	7.782	8.91	5.00	24.609	13.91	14	Pass
183	6865	5.92	5.88	7.781	8.91	5.00	24.606	13.91	14	Pass
199	6945	5.92	5.84	7.745	8.89	5.00	24.492	13.89	14	Pass
215	7025	5.86	5.87	7.718	8.88	5.00	24.406	13.88	14	Pass

Notes:

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

802.11be (EHT160)

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	5.98	5.86	7.818	8.93	5.00	24.723	13.93	14	Pass
47	6185	5.84	5.94	7.764	8.90	5.00	24.552	13.9	14	Pass
79	6345	5.82	5.96	7.764	8.90	5.00	24.552	13.9	14	Pass
111	6505	5.92	5.82	7.728	8.88	5.00	24.438	13.88	14	Pass
143	6665	5.90	5.90	7.781	8.91	5.00	24.606	13.91	14	Pass
175	6825	5.92	5.88	7.781	8.91	5.00	24.606	13.91	14	Pass
207	6985	5.94	5.86	7.781	8.91	5.00	24.606	13.91	14	Pass

Notes:

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

802.11be (EHT20) 26-tone RU

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	-8.84	-8.77	0.2634	-5.79	5.00	0.8329	-0.79	14	Pass
49	6195	-8.70	-8.72	0.2692	-5.70	5.00	0.8513	-0.7	14	Pass
93	6415	-8.65	-8.64	0.2732	-5.64	5.00	0.8639	-0.64	14	Pass
97	6435	-8.70	-8.64	0.2717	-5.66	5.00	0.8592	-0.66	14	Pass
105	6475	-8.69	-8.70	0.2701	-5.68	5.00	0.8541	-0.68	14	Pass
113	6515	-8.60	-8.72	0.2723	-5.65	5.00	0.8611	-0.65	14	Pass
117	6535	-8.67	-8.65	0.2723	-5.65	5.00	0.8611	-0.65	14	Pass
149	6695	-8.81	-8.78	0.264	-5.78	5.00	0.8348	-0.78	14	Pass
181	6855	-8.83	-8.88	0.2603	-5.85	5.00	0.8231	-0.85	14	Pass
185	6875	-8.90	-8.83	0.2597	-5.86	5.00	0.8212	-0.86	14	Pass
209	6995	-8.70	-8.64	0.2717	-5.66	5.00	0.8592	-0.66	14	Pass
233	7115	-8.62	-8.71	0.272	-5.65	5.00	0.8601	-0.65	14	Pass

Notes:

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

802.11be (EHT20) 52-tone RU

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	-6.20	-6.03	0.4893	-3.10	5.00	1.547	1.9	14	Pass
49	6195	-6.10	-6.08	0.4921	-3.08	5.00	1.556	1.92	14	Pass
93	6415	-6.01	-6.05	0.4989	-3.02	5.00	1.578	1.98	14	Pass
97	6435	-6.03	-6.04	0.4983	-3.03	5.00	1.576	1.97	14	Pass
105	6475	-6.15	-6.04	0.4915	-3.08	5.00	1.554	1.92	14	Pass
113	6515	-6.20	-6.13	0.4837	-3.15	5.00	1.53	1.85	14	Pass
117	6535	-6.12	-6.10	0.4898	-3.10	5.00	1.549	1.9	14	Pass
149	6695	-6.16	-6.11	0.487	-3.12	5.00	1.54	1.88	14	Pass
181	6855	-6.15	-6.33	0.4755	-3.23	5.00	1.504	1.77	14	Pass
185	6875	-6.10	-6.13	0.4893	-3.10	5.00	1.547	1.9	14	Pass
209	6995	-6.15	-6.04	0.4915	-3.08	5.00	1.554	1.92	14	Pass
233	7115	-6.02	-6.06	0.4978	-3.03	5.00	1.574	1.97	14	Pass

Notes:

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

802.11be (EHT20) 106-tone RU

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	-3.06	-3.04	0.9909	-0.04	5.00	3.134	4.96	14	Pass
49	6195	-3.13	-3.10	0.9762	-0.10	5.00	3.087	4.9	14	Pass
93	6415	-3.04	-3.03	0.9943	-0.02	5.00	3.144	4.98	14	Pass
97	6435	-3.10	-3.01	0.9898	-0.04	5.00	3.13	4.96	14	Pass
105	6475	-3.05	-3.01	0.9955	-0.02	5.00	3.148	4.98	14	Pass
113	6515	-3.03	-3.05	0.9932	-0.03	5.00	3.141	4.97	14	Pass
117	6535	-3.10	-3.06	0.9841	-0.07	5.00	3.112	4.93	14	Pass
149	6695	-3.14	-3.15	0.9695	-0.13	5.00	3.066	4.87	14	Pass
181	6855	-3.12	-3.16	0.9706	-0.13	5.00	3.069	4.87	14	Pass
185	6875	-3.14	-3.11	0.9739	-0.11	5.00	3.08	4.89	14	Pass
209	6995	-3.12	-3.07	0.9807	-0.08	5.00	3.101	4.92	14	Pass
233	7115	-3.01	-3.10	0.9898	-0.04	5.00	3.13	4.96	14	Pass

Notes:

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

802.11be (EHT20) 52+26-tone MRU

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	-4.22	-4.19	0.7595	-1.19	5.00	2.402	3.81	14	Pass
49	6195	-4.10	-4.24	0.7657	-1.16	5.00	2.421	3.84	14	Pass
93	6415	-4.11	-4.12	0.7754	-1.10	5.00	2.452	3.9	14	Pass
97	6435	-4.03	-4.04	0.7898	-1.02	5.00	2.498	3.98	14	Pass
105	6475	-4.15	-4.05	0.7781	-1.09	5.00	2.461	3.91	14	Pass
113	6515	-4.20	-4.11	0.7683	-1.14	5.00	2.43	3.86	14	Pass
117	6535	-4.05	-4.00	0.7917	-1.01	5.00	2.504	3.99	14	Pass
149	6695	-4.20	-4.16	0.7639	-1.17	5.00	2.416	3.83	14	Pass
181	6855	-4.21	-4.20	0.7595	-1.19	5.00	2.402	3.81	14	Pass
185	6875	-4.35	-4.32	0.7371	-1.32	5.00	2.331	3.68	14	Pass
209	6995	-4.26	-4.20	0.7552	-1.22	5.00	2.388	3.78	14	Pass
233	7115	-4.14	-4.31	0.7562	-1.21	5.00	2.391	3.79	14	Pass

Notes:

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

802.11be (EHT20) 106+26-tone MRU

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	-1.75	-1.91	1.3125	1.18	5.00	4.15	6.18	14	Pass
49	6195	-1.92	-1.99	1.2751	1.06	5.00	4.032	6.06	14	Pass
93	6415	-1.96	-1.90	1.2824	1.08	5.00	4.055	6.08	14	Pass
97	6435	-2.02	-1.94	1.2678	1.03	5.00	4.009	6.03	14	Pass
105	6475	-1.92	-1.92	1.2854	1.09	5.00	4.065	6.09	14	Pass
113	6515	-1.94	-1.89	1.2869	1.10	5.00	4.07	6.1	14	Pass
117	6535	-1.90	-1.89	1.2928	1.12	5.00	4.088	6.12	14	Pass
149	6695	-2.10	-1.90	1.2622	1.01	5.00	3.991	6.01	14	Pass
181	6855	-2.04	-1.94	1.2649	1.02	5.00	4	6.02	14	Pass
185	6875	-1.99	-1.96	1.2692	1.04	5.00	4.014	6.04	14	Pass
209	6995	-2.05	-2.00	1.2547	0.99	5.00	3.968	5.99	14	Pass
233	7115	-1.94	-1.99	1.2721	1.05	5.00	4.023	6.05	14	Pass

Notes:

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

802.11be (EHT80) 484+242-tone MRU

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	4.40	4.47	5.553	7.45	5.00	17.56	12.45	14	Pass
55	6225	4.30	4.24	5.346	7.28	5.00	16.906	12.28	14	Pass
87	6385	4.30	4.33	5.402	7.33	5.00	17.083	12.33	14	Pass
103	6465	4.49	4.32	5.516	7.42	5.00	17.443	12.42	14	Pass
119	6545	4.45	4.49	5.598	7.48	5.00	17.702	12.48	14	Pass
135	6625	4.42	4.37	5.502	7.41	5.00	17.399	12.41	14	Pass
151	6705	4.48	4.31	5.503	7.41	5.00	17.402	12.41	14	Pass
167	6785	4.40	4.42	5.521	7.42	5.00	17.459	12.42	14	Pass
183	6865	4.32	4.31	5.402	7.33	5.00	17.083	12.33	14	Pass
199	6945	4.48	4.45	5.592	7.48	5.00	17.683	12.48	14	Pass
215	7025	4.30	4.42	5.458	7.37	5.00	17.26	12.37	14	Pass

Notes:

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

802.11be (EHT160) 996+484-tone MRU

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	4.35	4.20	5.353	7.29	5.00	16.928	12.29	14	Pass
47	6185	4.27	4.32	5.377	7.31	5.00	17.004	12.31	14	Pass
79	6345	4.40	4.44	5.534	7.43	5.00	17.5	12.43	14	Pass
111	6505	4.48	4.35	5.528	7.43	5.00	17.481	12.43	14	Pass
143	6665	4.52	4.40	5.586	7.47	5.00	17.664	12.47	14	Pass
175	6825	4.44	4.35	5.502	7.41	5.00	17.399	12.41	14	Pass
207	6985	4.46	4.37	5.528	7.43	5.00	17.481	12.43	14	Pass

Notes:

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

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

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	4.69	4.66	5.869	7.69	5.00	18.559	12.69	14	Pass
47	6185	4.99	4.94	6.274	7.98	5.00	19.84	12.98	14	Pass
79	6345	4.87	4.90	6.159	7.90	5.00	19.476	12.9	14	Pass
111	6505	4.86	4.97	6.202	7.93	5.00	19.612	12.93	14	Pass
143	6665	4.90	4.85	6.145	7.89	5.00	19.432	12.89	14	Pass
175	6825	4.97	5.00	6.303	8.00	5.00	19.932	13	14	Pass
207	6985	4.89	4.96	6.216	7.94	5.00	19.657	12.94	14	Pass

Notes:

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

7.2 Maximum Power Spectral Density

Input Power:	3.3 Vdc	Environmental Conditions:	21°C, 64% RH	Tested By:	Katina Lu
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VLP 1Tx

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	-10.16	5.00	-5.16	-5	Pass
49	6195	-10.11	5.00	-5.11	-5	Pass
93	6415	-10.10	5.00	-5.1	-5	Pass
97	6435	-10.09	5.00	-5.09	-5	Pass
105	6475	-10.07	5.00	-5.07	-5	Pass
113	6515	-10.13	5.00	-5.13	-5	Pass
117	6535	-10.04	5.00	-5.04	-5	Pass
149	6695	-10.02	5.00	-5.02	-5	Pass
181	6855	-10.05	5.00	-5.05	-5	Pass
185	6875	-10.03	5.00	-5.03	-5	Pass
209	6995	-10.07	5.00	-5.07	-5	Pass
233	7115	-10.10	5.00	-5.1	-5	Pass

Notes:

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

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	-10.04	5.00	-5.04	-5	Pass
49	6195	-10.09	5.00	-5.09	-5	Pass
93	6415	-10.09	5.00	-5.09	-5	Pass
97	6435	-10.06	5.00	-5.06	-5	Pass
105	6475	-10.09	5.00	-5.09	-5	Pass
113	6515	-10.06	5.00	-5.06	-5	Pass
117	6535	-10.05	5.00	-5.05	-5	Pass
149	6695	-10.09	5.00	-5.09	-5	Pass
181	6855	-10.07	5.00	-5.07	-5	Pass
185	6875	-10.04	5.00	-5.04	-5	Pass
209	6995	-10.07	5.00	-5.07	-5	Pass
233	7115	-10.01	5.00	-5.01	-5	Pass

Notes:

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

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
3	5965	-10.02	5.00	-5.02	-5	Pass
51	6205	-10.04	5.00	-5.04	-5	Pass
91	6405	-10.16	5.00	-5.16	-5	Pass
99	6445	-10.10	5.00	-5.1	-5	Pass
107	6485	-10.12	5.00	-5.12	-5	Pass
115	6525	-10.10	5.00	-5.1	-5	Pass
123	6565	-10.07	5.00	-5.07	-5	Pass
147	6685	-10.10	5.00	-5.1	-5	Pass
179	6845	-10.13	5.00	-5.13	-5	Pass
187	6885	-10.02	5.00	-5.02	-5	Pass
203	6965	-10.08	5.00	-5.08	-5	Pass
227	7085	-10.07	5.00	-5.07	-5	Pass

Notes:

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

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
7	5985	-11.09	5.00	-6.09	-5	Pass
55	6225	-11.00	5.00	-6	-5	Pass
87	6385	-11.13	5.00	-6.13	-5	Pass
103	6465	-11.10	5.00	-6.1	-5	Pass
119	6545	-10.94	5.00	-5.94	-5	Pass
135	6625	-10.97	5.00	-5.97	-5	Pass
151	6705	-11.04	5.00	-6.04	-5	Pass
167	6785	-10.96	5.00	-5.96	-5	Pass
183	6865	-10.76	5.00	-5.76	-5	Pass
199	6945	-11.09	5.00	-6.09	-5	Pass
215	7025	-11.01	5.00	-6.01	-5	Pass

Notes:

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

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
15	6025	-13.96	5.00	-8.96	-5	Pass
47	6185	-13.85	5.00	-8.85	-5	Pass
79	6345	-13.98	5.00	-8.98	-5	Pass
111	6505	-13.93	5.00	-8.93	-5	Pass
143	6665	-13.91	5.00	-8.91	-5	Pass
175	6825	-13.85	5.00	-8.85	-5	Pass
207	6985	-14.04	5.00	-9.04	-5	Pass

Notes:

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

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	-10.07	5.00	-5.07	-5	Pass
49	6195	-10.11	5.00	-5.11	-5	Pass
93	6415	-10.11	5.00	-5.11	-5	Pass
97	6435	-10.10	5.00	-5.1	-5	Pass
105	6475	-10.16	5.00	-5.16	-5	Pass
113	6515	-10.07	5.00	-5.07	-5	Pass
117	6535	-10.08	5.00	-5.08	-5	Pass
149	6695	-10.15	5.00	-5.15	-5	Pass
181	6855	-10.09	5.00	-5.09	-5	Pass
185	6875	-10.13	5.00	-5.13	-5	Pass
209	6995	-10.12	5.00	-5.12	-5	Pass
233	7115	-10.07	5.00	-5.07	-5	Pass

Notes:

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

802.11be (EHT20) 52-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	-10.12	5.00	-5.12	-5	Pass
49	6195	-10.12	5.00	-5.12	-5	Pass
93	6415	-10.16	5.00	-5.16	-5	Pass
97	6435	-10.09	5.00	-5.09	-5	Pass
105	6475	-10.12	5.00	-5.12	-5	Pass
113	6515	-10.07	5.00	-5.07	-5	Pass
117	6535	-10.08	5.00	-5.08	-5	Pass
149	6695	-10.10	5.00	-5.1	-5	Pass
181	6855	-10.08	5.00	-5.08	-5	Pass
185	6875	-10.09	5.00	-5.09	-5	Pass
209	6995	-10.14	5.00	-5.14	-5	Pass
233	7115	-10.02	5.00	-5.02	-5	Pass

Notes:

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

802.11be (EHT20) 106-tone RU

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	5.00	-5.08	-5	Pass
49	6195	-10.11	5.00	-5.11	-5	Pass
93	6415	-10.10	5.00	-5.1	-5	Pass
97	6435	-10.11	5.00	-5.11	-5	Pass
105	6475	-10.12	5.00	-5.12	-5	Pass
113	6515	-10.11	5.00	-5.11	-5	Pass
117	6535	-10.10	5.00	-5.1	-5	Pass
149	6695	-10.10	5.00	-5.1	-5	Pass
181	6855	-10.10	5.00	-5.1	-5	Pass
185	6875	-10.06	5.00	-5.06	-5	Pass
209	6995	-10.10	5.00	-5.1	-5	Pass
233	7115	-10.06	5.00	-5.06	-5	Pass

Notes:

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

802.11be (EHT20) 52+26-tone MRU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	-10.09	5.00	-5.09	-5	Pass
49	6195	-10.10	5.00	-5.1	-5	Pass
93	6415	-10.11	5.00	-5.11	-5	Pass
97	6435	-10.11	5.00	-5.11	-5	Pass
105	6475	-10.10	5.00	-5.1	-5	Pass
113	6515	-10.09	5.00	-5.09	-5	Pass
117	6535	-10.07	5.00	-5.07	-5	Pass
149	6695	-10.10	5.00	-5.1	-5	Pass
181	6855	-10.10	5.00	-5.1	-5	Pass
185	6875	-10.05	5.00	-5.05	-5	Pass
209	6995	-10.11	5.00	-5.11	-5	Pass
233	7115	-10.08	5.00	-5.08	-5	Pass

Notes:

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

802.11be (EHT20) 106+26-tone MRU

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	5.00	-5.08	-5	Pass
49	6195	-10.11	5.00	-5.11	-5	Pass
93	6415	-10.07	5.00	-5.07	-5	Pass
97	6435	-10.12	5.00	-5.12	-5	Pass
105	6475	-10.11	5.00	-5.11	-5	Pass
113	6515	-10.14	5.00	-5.14	-5	Pass
117	6535	-10.06	5.00	-5.06	-5	Pass
149	6695	-10.12	5.00	-5.12	-5	Pass
181	6855	-10.09	5.00	-5.09	-5	Pass
185	6875	-10.05	5.00	-5.05	-5	Pass
209	6995	-10.11	5.00	-5.11	-5	Pass
233	7115	-10.05	5.00	-5.05	-5	Pass

Notes:

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

802.11be (EHT80) 484+242-tone MRU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
7	5985	-11.11	5.00	-6.11	-5	Pass
55	6225	-11.03	5.00	-6.03	-5	Pass
87	6385	-11.16	5.00	-6.16	-5	Pass
103	6465	-11.16	5.00	-6.16	-5	Pass
119	6545	-11.10	5.00	-6.1	-5	Pass
135	6625	-11.04	5.00	-6.04	-5	Pass
151	6705	-11.13	5.00	-6.13	-5	Pass
167	6785	-10.99	5.00	-5.99	-5	Pass
183	6865	-10.83	5.00	-5.83	-5	Pass
199	6945	-11.11	5.00	-6.11	-5	Pass
215	7025	-11.08	5.00	-6.08	-5	Pass

Notes:

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

802.11be (EHT160) 996+484-tone MRU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
15	6025	-14.02	5.00	-9.02	-5	Pass
47	6185	-13.86	5.00	-8.86	-5	Pass
79	6345	-14.09	5.00	-9.09	-5	Pass
111	6505	-13.98	5.00	-8.98	-5	Pass
143	6665	-14.08	5.00	-9.08	-5	Pass
175	6825	-13.92	5.00	-8.92	-5	Pass
207	6985	-14.17	5.00	-9.17	-5	Pass

Notes:

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

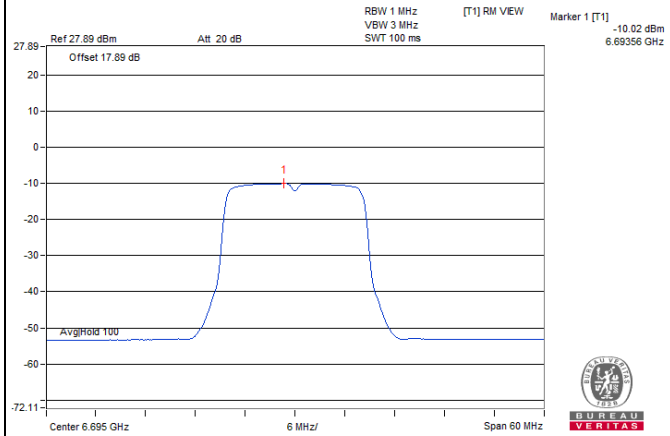
802.11be (EHT160) 996+484+242-tone MRU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
15	6025	-14.00	5.00	-9	-5	Pass
47	6185	-13.91	5.00	-8.91	-5	Pass
79	6345	-14.00	5.00	-9	-5	Pass
111	6505	-13.98	5.00	-8.98	-5	Pass
143	6665	-13.92	5.00	-8.92	-5	Pass
175	6825	-13.88	5.00	-8.88	-5	Pass
207	6985	-14.09	5.00	-9.09	-5	Pass

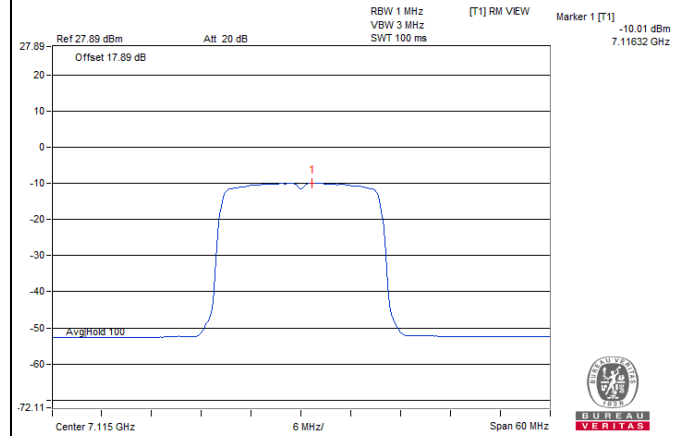
Notes:

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

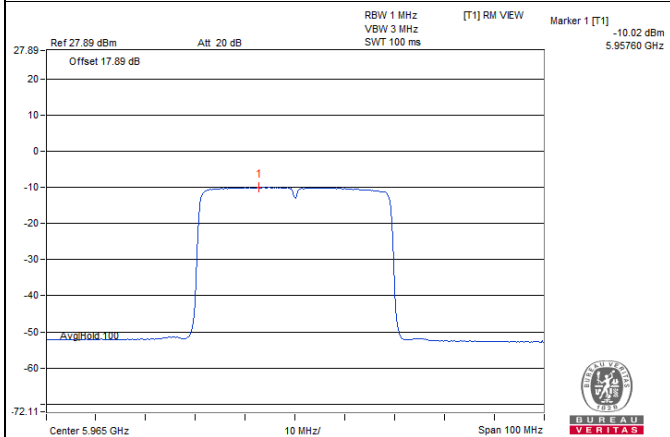
Spectrum Plot of Maximum Value



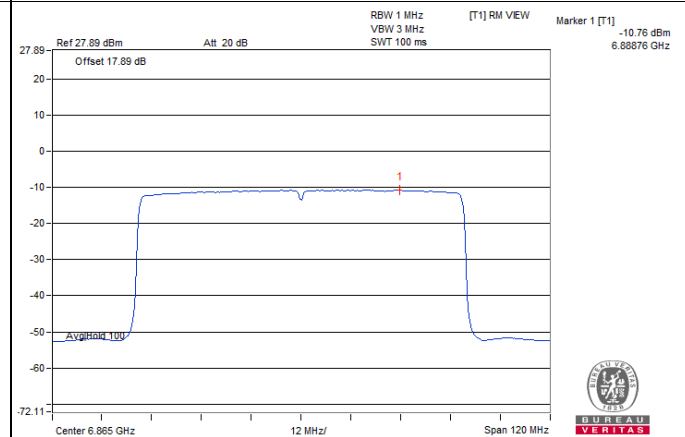
802.11a: CH 149



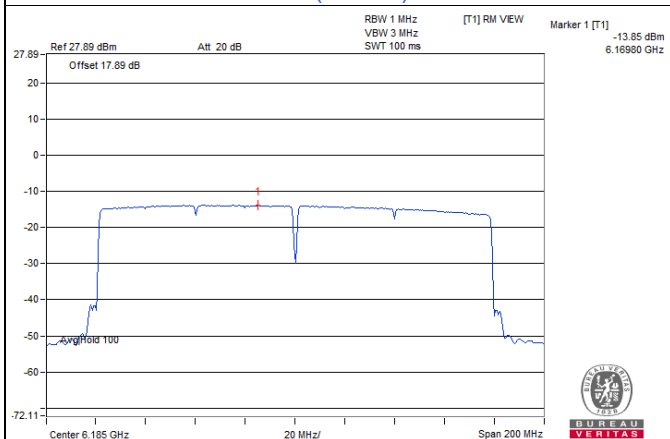
802.11be (EHT20): CH 233



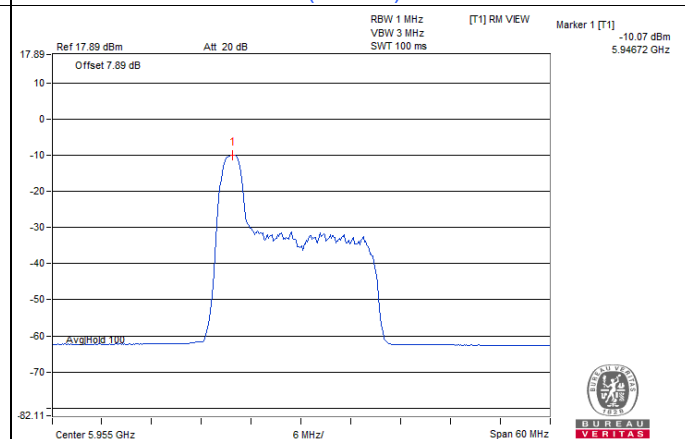
802.11be (EHT40): CH 3



802.11be (EHT80): CH 183

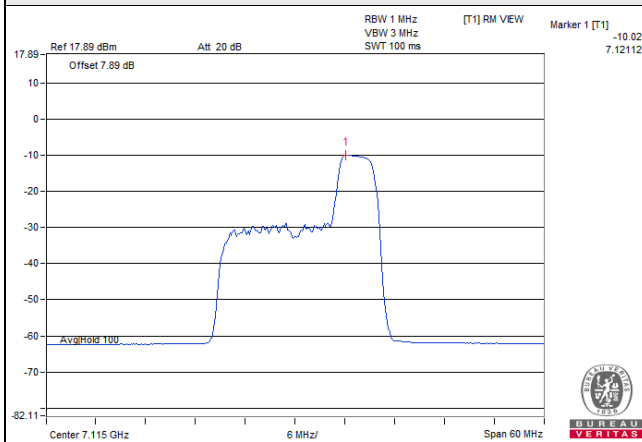


802.11be (EHT160): CH 47

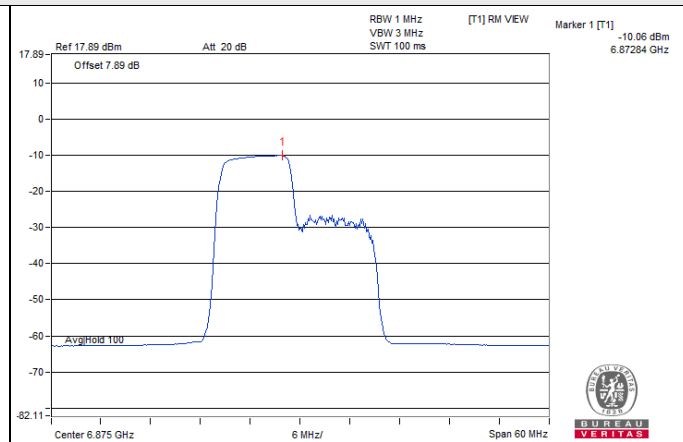


802.11be (EHT20) 26-tone RU: CH 1

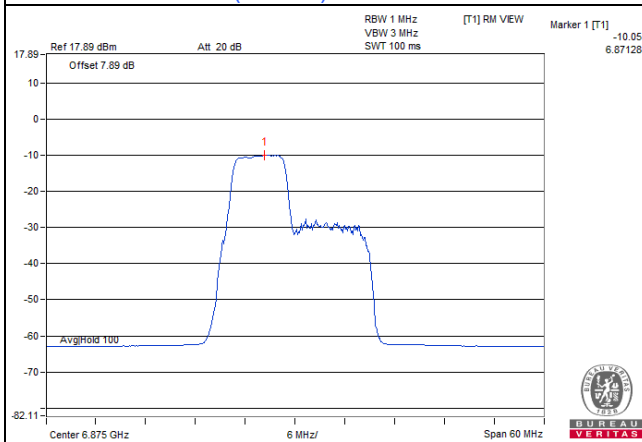
Spectrum Plot of Maximum Value



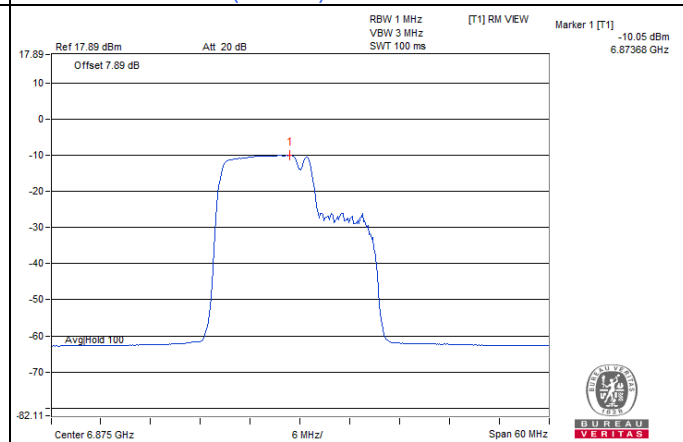
802.11be (EHT20) 52-tone RU: CH 233



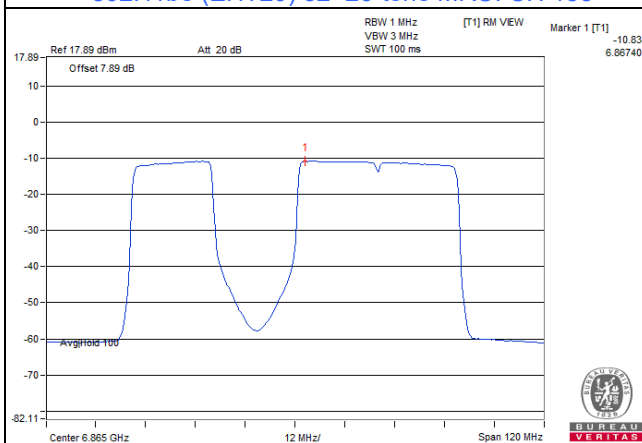
802.11be (EHT20) 106-tone RU: CH 185



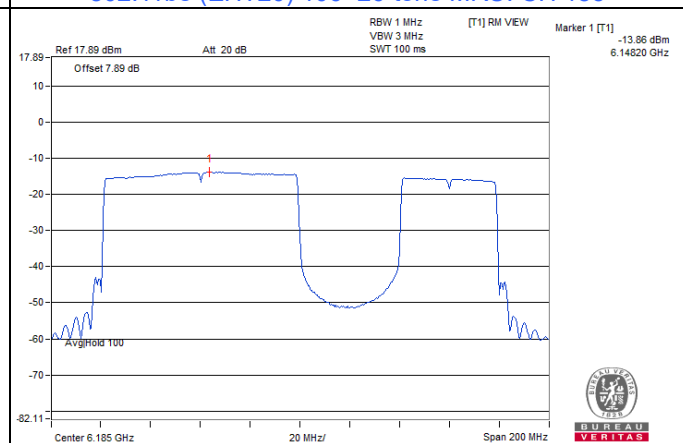
802.11be (EHT20) 52+26-tone MRU: CH 185



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

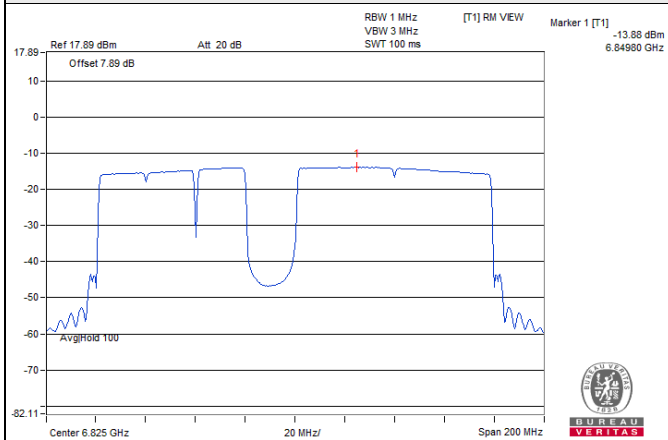


802.11be (EHT80) 484+242-tone MRU: CH 183



802.11be (EHT160) 996+484-tone MRU: CH 47

Spectrum Plot of Maximum Value



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

Input Power:	3.3 Vdc	Environmental Conditions:	24°C, 61% RH	Tested By:	Katina Lu
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VLP 2Tx

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1					
1	5955	-16.18	-16.02	-13.09	8.01	-5.08	-5	Pass
49	6195	-16.10	-16.12	-13.10	8.01	-5.09	-5	Pass
93	6415	-16.18	-16.04	-13.10	8.01	-5.09	-5	Pass
97	6435	-16.17	-15.99	-13.07	8.01	-5.06	-5	Pass
105	6475	-16.20	-15.95	-13.06	8.01	-5.05	-5	Pass
113	6515	-16.07	-16.14	-13.09	8.01	-5.08	-5	Pass
117	6535	-16.19	-16.01	-13.09	8.01	-5.08	-5	Pass
149	6695	-15.93	-16.16	-13.03	8.01	-5.02	-5	Pass
181	6855	-16.07	-16.04	-13.04	8.01	-5.03	-5	Pass
185	6875	-16.04	-16.04	-13.03	8.01	-5.02	-5	Pass
209	6995	-16.12	-16.06	-13.08	8.01	-5.07	-5	Pass
233	7115	-16.05	-16.10	-13.06	8.01	-5.05	-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 8.01 dBi.
4. For U-NII-6, The directional gain is 8.01 dBi.
5. For U-NII-7, The directional gain is 8.01 dBi.
6. For U-NII-8, The directional gain is 8.01 dBi.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		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	-13.01	-10.07	5.00	-5.07	-5	Pass
49	6195	-13.01	-13.12	-10.05	5.00	-5.05	-5	Pass
93	6415	-13.15	-13.07	-10.10	5.00	-5.1	-5	Pass
97	6435	-13.11	-13.09	-10.09	5.00	-5.09	-5	Pass
105	6475	-13.19	-13.02	-10.09	5.00	-5.09	-5	Pass
113	6515	-12.99	-13.06	-10.01	5.00	-5.01	-5	Pass
117	6535	-13.12	-13.04	-10.07	5.00	-5.07	-5	Pass
149	6695	-13.07	-13.16	-10.10	5.00	-5.1	-5	Pass
181	6855	-13.09	-13.14	-10.10	5.00	-5.1	-5	Pass
185	6875	-13.10	-13.04	-10.06	5.00	-5.06	-5	Pass
209	6995	-13.03	-13.07	-10.04	5.00	-5.04	-5	Pass
233	7115	-13.02	-13.02	-10.01	5.00	-5.01	-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 5 dBi.
3. For U-NII-6, The directional gain is 5 dBi.
4. For U-NII-7, The directional gain is 5 dBi.
5. For U-NII-8, The directional gain is 5 dBi.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1					
3	5965	-13.16	-13.21	-10.17	5.00	-5.17	-5	Pass
51	6205	-13.16	-13.03	-10.08	5.00	-5.08	-5	Pass
91	6405	-13.15	-13.13	-10.13	5.00	-5.13	-5	Pass
99	6445	-13.21	-13.11	-10.15	5.00	-5.15	-5	Pass
107	6485	-13.14	-13.03	-10.07	5.00	-5.07	-5	Pass
115	6525	-13.16	-13.07	-10.10	5.00	-5.1	-5	Pass
123	6565	-13.10	-13.16	-10.12	5.00	-5.12	-5	Pass
147	6685	-13.05	-13.09	-10.06	5.00	-5.06	-5	Pass
179	6845	-13.06	-13.05	-10.04	5.00	-5.04	-5	Pass
187	6885	-13.20	-13.09	-10.13	5.00	-5.13	-5	Pass
203	6965	-13.03	-13.12	-10.06	5.00	-5.06	-5	Pass
227	7085	-13.22	-13.19	-10.19	5.00	-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 5 dBi.
3. For U-NII-6, The directional gain is 5 dBi.
4. For U-NII-7, The directional gain is 5 dBi.
5. For U-NII-8, The directional gain is 5 dBi.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1					
7	5985	-13.50	-13.56	-10.52	5.00	-5.52	-5	Pass
55	6225	-13.37	-13.53	-10.44	5.00	-5.44	-5	Pass
87	6385	-13.37	-13.42	-10.38	5.00	-5.38	-5	Pass
103	6465	-13.59	-13.52	-10.54	5.00	-5.54	-5	Pass
119	6545	-13.59	-13.66	-10.61	5.00	-5.61	-5	Pass
135	6625	-13.47	-13.45	-10.45	5.00	-5.45	-5	Pass
151	6705	-13.66	-13.58	-10.61	5.00	-5.61	-5	Pass
167	6785	-13.38	-13.63	-10.49	5.00	-5.49	-5	Pass
183	6865	-13.58	-13.52	-10.54	5.00	-5.54	-5	Pass
199	6945	-13.72	-13.70	-10.70	5.00	-5.7	-5	Pass
215	7025	-13.66	-13.67	-10.65	5.00	-5.65	-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 5 dBi.
3. For U-NII-6, The directional gain is 5 dBi.
4. For U-NII-7, The directional gain is 5 dBi.
5. For U-NII-8, The directional gain is 5 dBi.

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1					
15	6025	-16.31	-16.37	-13.33	5.00	-8.33	-5	Pass
47	6185	-16.23	-16.01	-13.11	5.00	-8.11	-5	Pass
79	6345	-16.14	-16.00	-13.06	5.00	-8.06	-5	Pass
111	6505	-16.16	-16.33	-13.23	5.00	-8.23	-5	Pass
143	6665	-16.19	-16.06	-13.11	5.00	-8.11	-5	Pass
175	6825	-16.36	-16.29	-13.31	5.00	-8.31	-5	Pass
207	6985	-16.45	-16.24	-13.33	5.00	-8.33	-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 5 dBi.
3. For U-NII-6, The directional gain is 5 dBi.
4. For U-NII-7, The directional gain is 5 dBi.
5. For U-NII-8, The directional gain is 5 dBi.

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1					
1	5955	-13.37	-13.09	-10.22	5.00	-5.22	-5	Pass
49	6195	-13.03	-13.13	-10.07	5.00	-5.07	-5	Pass
93	6415	-13.14	-13.13	-10.12	5.00	-5.12	-5	Pass
97	6435	-13.21	-13.08	-10.13	5.00	-5.13	-5	Pass
105	6475	-13.20	-13.22	-10.20	5.00	-5.2	-5	Pass
113	6515	-13.00	-13.13	-10.05	5.00	-5.05	-5	Pass
117	6535	-13.18	-13.08	-10.12	5.00	-5.12	-5	Pass
149	6695	-13.13	-13.12	-10.11	5.00	-5.11	-5	Pass
181	6855	-13.19	-13.14	-10.15	5.00	-5.15	-5	Pass
185	6875	-13.16	-13.15	-10.14	5.00	-5.14	-5	Pass
209	6995	-13.10	-13.04	-10.06	5.00	-5.06	-5	Pass
233	7115	-13.03	-13.14	-10.07	5.00	-5.07	-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 5 dBi.
3. For U-NII-6, The directional gain is 5 dBi.
4. For U-NII-7, The directional gain is 5 dBi.
5. For U-NII-8, The directional gain is 5 dBi.

802.11be (EHT20) 52-tone RU

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	-13.19	-13.18	0.12	-10.05	5.00	-5.05	-5	Pass
49	6195	-13.14	-13.17	0.12	-10.02	5.00	-5.02	-5	Pass
93	6415	-13.13	-13.25	0.12	-10.06	5.00	-5.06	-5	Pass
97	6435	-13.16	-13.28	0.12	-10.09	5.00	-5.09	-5	Pass
105	6475	-13.24	-13.17	0.12	-10.07	5.00	-5.07	-5	Pass
113	6515	-13.22	-13.22	0.12	-10.09	5.00	-5.09	-5	Pass
117	6535	-13.21	-13.15	0.12	-10.05	5.00	-5.05	-5	Pass
149	6695	-13.23	-13.16	0.12	-10.06	5.00	-5.06	-5	Pass
181	6855	-13.21	-13.21	0.12	-10.08	5.00	-5.08	-5	Pass
185	6875	-13.20	-13.12	0.12	-10.03	5.00	-5.03	-5	Pass
209	6995	-13.23	-13.14	0.12	-10.05	5.00	-5.05	-5	Pass
233	7115	-13.11	-13.28	0.12	-10.06	5.00	-5.06	-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 5 dBi.
3. For U-NII-6, The directional gain is 5 dBi.
4. For U-NII-7, The directional gain is 5 dBi.
5. For U-NII-8, The directional gain is 5 dBi.

802.11be (EHT20) 106-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1					
1	5955	-13.10	-13.09	-10.08	5.00	-5.08	-5	Pass
49	6195	-13.02	-13.13	-10.06	5.00	-5.06	-5	Pass
93	6415	-13.23	-13.22	-10.21	5.00	-5.21	-5	Pass
97	6435	-13.16	-13.27	-10.20	5.00	-5.2	-5	Pass
105	6475	-13.03	-13.26	-10.13	5.00	-5.13	-5	Pass
113	6515	-13.12	-13.09	-10.09	5.00	-5.09	-5	Pass
117	6535	-13.19	-13.12	-10.14	5.00	-5.14	-5	Pass
149	6695	-13.15	-13.22	-10.17	5.00	-5.17	-5	Pass
181	6855	-13.27	-13.11	-10.18	5.00	-5.18	-5	Pass
185	6875	-13.17	-13.05	-10.10	5.00	-5.1	-5	Pass
209	6995	-13.13	-13.02	-10.06	5.00	-5.06	-5	Pass
233	7115	-13.05	-13.16	-10.09	5.00	-5.09	-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 5 dBi.
3. For U-NII-6, The directional gain is 5 dBi.
4. For U-NII-7, The directional gain is 5 dBi.
5. For U-NII-8, The directional gain is 5 dBi.

802.11be (EHT20) 52+26-tone MRU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1					
1	5955	-13.10	-13.18	-10.13	5.00	-5.13	-5	Pass
49	6195	-13.05	-13.17	-10.10	5.00	-5.1	-5	Pass
93	6415	-13.26	-13.30	-10.27	5.00	-5.27	-5	Pass
97	6435	-13.28	-13.32	-10.29	5.00	-5.29	-5	Pass
105	6475	-13.22	-13.17	-10.18	5.00	-5.18	-5	Pass
113	6515	-13.09	-13.10	-10.08	5.00	-5.08	-5	Pass
117	6535	-13.23	-13.31	-10.26	5.00	-5.26	-5	Pass
149	6695	-13.34	-13.29	-10.30	5.00	-5.3	-5	Pass
181	6855	-13.06	-13.18	-10.11	5.00	-5.11	-5	Pass
185	6875	-13.22	-13.09	-10.14	5.00	-5.14	-5	Pass
209	6995	-13.16	-13.09	-10.11	5.00	-5.11	-5	Pass
233	7115	-13.04	-13.23	-10.12	5.00	-5.12	-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 5 dBi.
3. For U-NII-6, The directional gain is 5 dBi.
4. For U-NII-7, The directional gain is 5 dBi.
5. For U-NII-8, The directional gain is 5 dBi.

802.11be (EHT20) 106+26-tone MRU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1					
1	5955	-13.04	-13.16	-10.09	5.00	-5.09	-5	Pass
49	6195	-13.08	-13.14	-10.10	5.00	-5.1	-5	Pass
93	6415	-13.31	-13.12	-10.20	5.00	-5.2	-5	Pass
97	6435	-13.21	-13.14	-10.16	5.00	-5.16	-5	Pass
105	6475	-13.36	-13.03	-10.18	5.00	-5.18	-5	Pass
113	6515	-13.17	-13.09	-10.12	5.00	-5.12	-5	Pass
117	6535	-13.16	-13.03	-10.08	5.00	-5.08	-5	Pass
149	6695	-13.27	-13.16	-10.20	5.00	-5.2	-5	Pass
181	6855	-13.14	-13.12	-10.12	5.00	-5.12	-5	Pass
185	6875	-13.19	-13.07	-10.12	5.00	-5.12	-5	Pass
209	6995	-13.12	-13.11	-10.10	5.00	-5.1	-5	Pass
233	7115	-13.19	-13.13	-10.15	5.00	-5.15	-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 5 dBi.
3. For U-NII-6, The directional gain is 5 dBi.
4. For U-NII-7, The directional gain is 5 dBi.
5. For U-NII-8, The directional gain is 5 dBi.

802.11be (EHT80) 484+242-tone MRU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1					
7	5985	-13.88	-13.86	-10.86	5.00	-5.86	-5	Pass
55	6225	-13.70	-13.59	-10.63	5.00	-5.63	-5	Pass
87	6385	-13.75	-13.89	-10.81	5.00	-5.81	-5	Pass
103	6465	-14.04	-14.01	-11.01	5.00	-6.01	-5	Pass
119	6545	-13.93	-13.85	-10.88	5.00	-5.88	-5	Pass
135	6625	-13.61	-13.61	-10.60	5.00	-5.6	-5	Pass
151	6705	-14.05	-14.02	-11.02	5.00	-6.02	-5	Pass
167	6785	-13.74	-14.07	-10.89	5.00	-5.89	-5	Pass
183	6865	-13.92	-13.85	-10.87	5.00	-5.87	-5	Pass
199	6945	-13.72	-13.96	-10.83	5.00	-5.83	-5	Pass
215	7025	-14.19	-14.00	-11.08	5.00	-6.08	-5	Pass

Notes:

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

802.11be (EHT160) 996+484-tone MRU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1					
15	6025	-17.06	-16.97	-14.00	5.00	-9	-5	Pass
47	6185	-16.72	-16.61	-13.65	5.00	-8.65	-5	Pass
79	6345	-16.56	-16.49	-13.51	5.00	-8.51	-5	Pass
111	6505	-16.53	-16.88	-13.69	5.00	-8.69	-5	Pass
143	6665	-16.67	-16.50	-13.57	5.00	-8.57	-5	Pass
175	6825	-16.45	-16.54	-13.48	5.00	-8.48	-5	Pass
207	6985	-16.60	-16.77	-13.67	5.00	-8.67	-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 5 dBi.
3. For U-NII-6, The directional gain is 5 dBi.
4. For U-NII-7, The directional gain is 5 dBi.
5. For U-NII-8, The directional gain is 5 dBi.

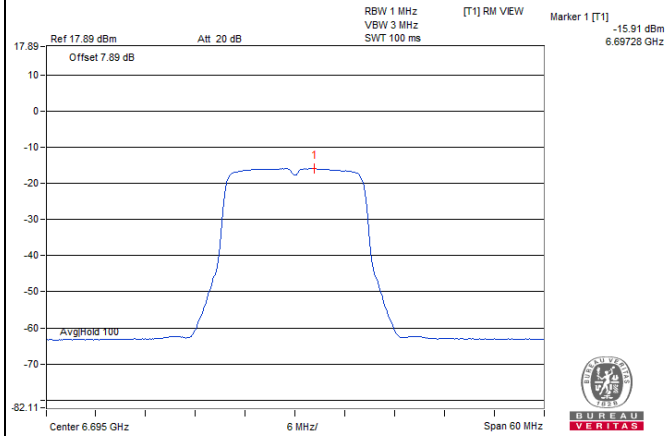
802.11be (EHT160) 996+484+242-tone MRU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1					
15	6025	-17.32	-16.94	-14.12	5.00	-9.12	-5	Pass
47	6185	-16.83	-16.94	-13.87	5.00	-8.87	-5	Pass
79	6345	-16.84	-16.91	-13.86	5.00	-8.86	-5	Pass
111	6505	-17.13	-17.09	-14.10	5.00	-9.1	-5	Pass
143	6665	-16.89	-16.92	-13.89	5.00	-8.89	-5	Pass
175	6825	-16.99	-16.81	-13.89	5.00	-8.89	-5	Pass
207	6985	-17.01	-17.01	-14.00	5.00	-9	-5	Pass

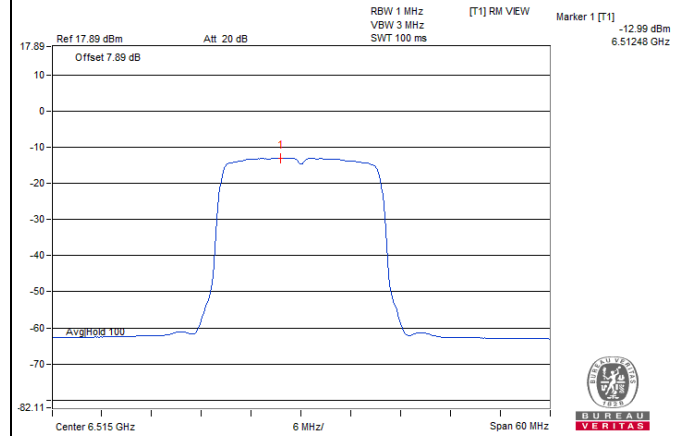
Notes:

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 5 dBi.
3. For U-NII-6, The directional gain is 5 dBi.
4. For U-NII-7, The directional gain is 5 dBi.
5. For U-NII-8, The directional gain is 5 dBi.

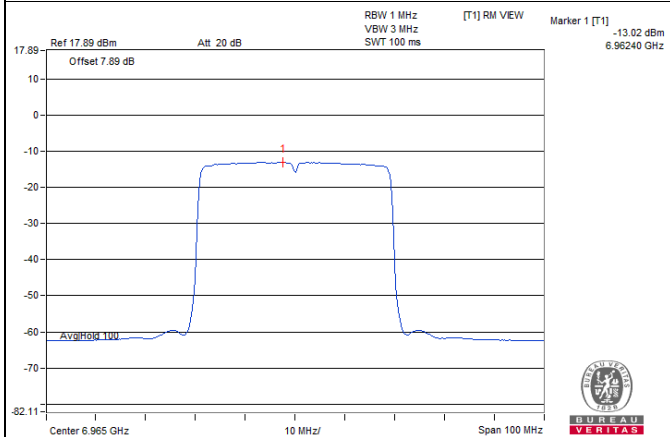
Spectrum Plot of Maximum Value



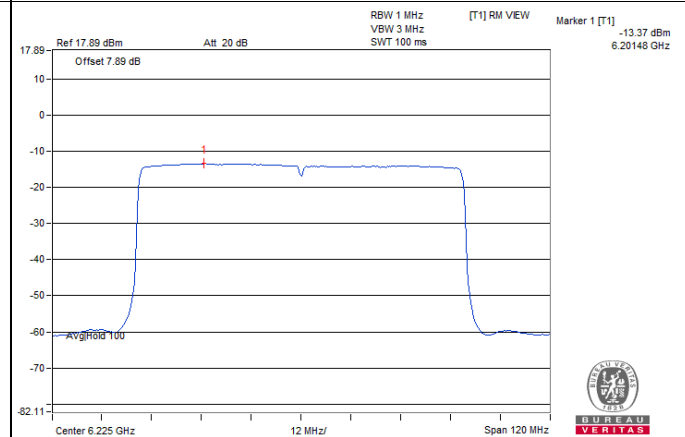
802.11a / Chain 0: CH 149



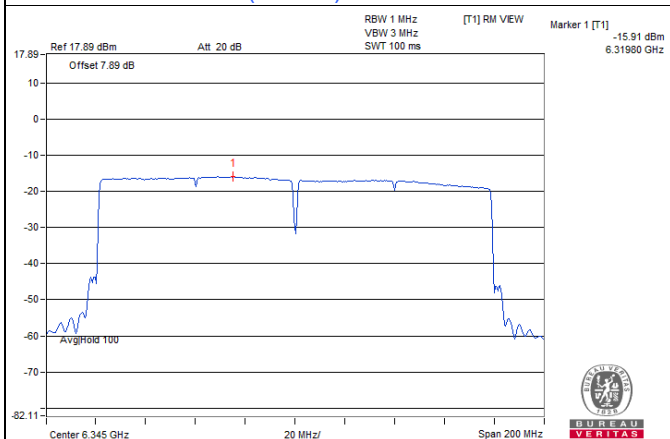
802.11be (EHT20) / Chain 0: CH 113



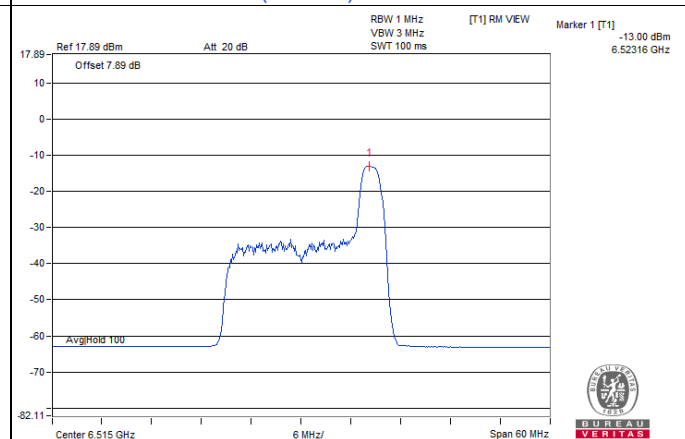
802.11be (EHT40) / Chain 0: CH 203



802.11be (EHT80) / Chain 0: CH 55

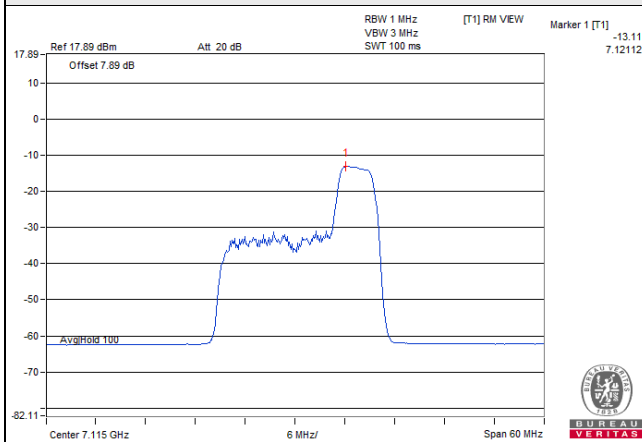


802.11be (EHT160) / Chain 1: CH 79

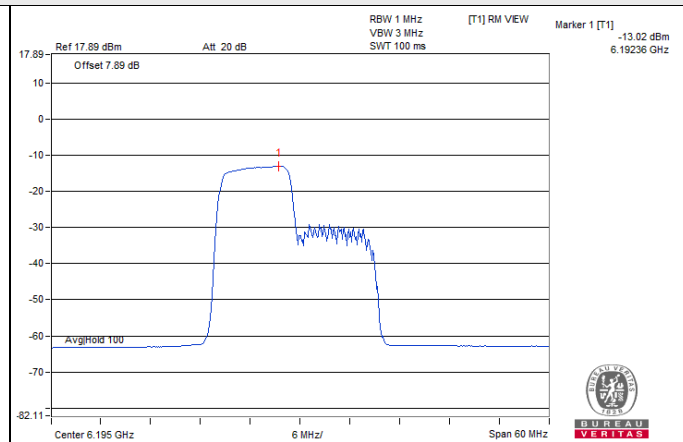


802.11be (EHT20) 26-tone RU / Chain 0: CH 113

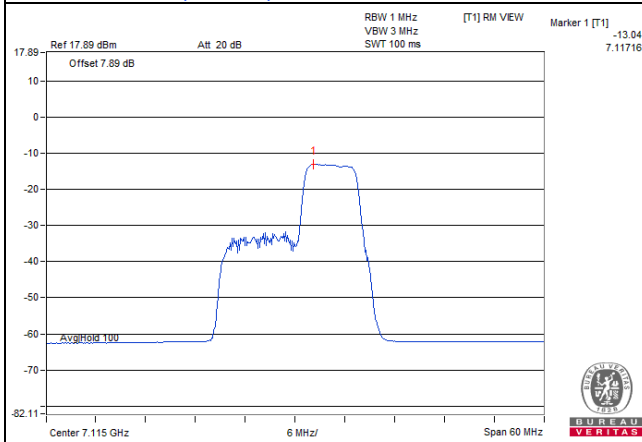
Spectrum Plot of Maximum Value



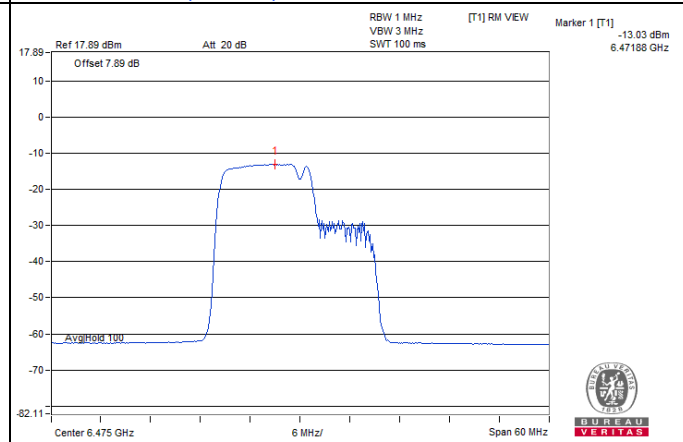
802.11be (EHT20) 52-tone RU / Chain 0: CH 233



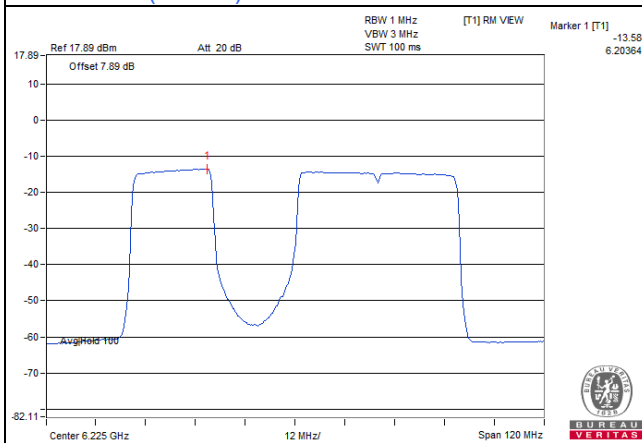
802.11be (EHT20) 106-tone RU / Chain 0: CH 49



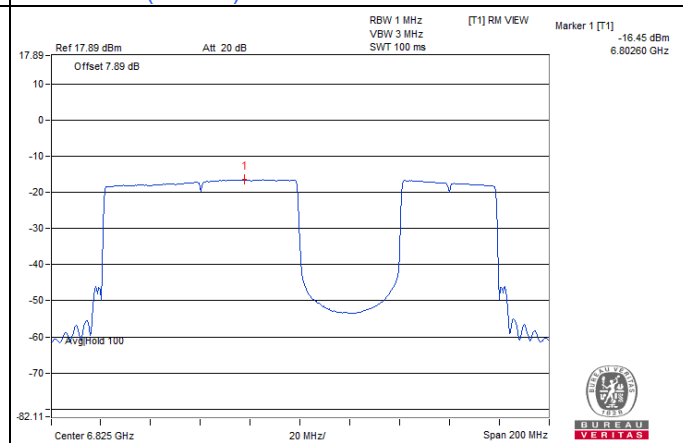
802.11be (EHT20) 52+26-tone MRU / Chain 0: CH 233



802.11be (EHT20) 106+26-tone MRU / Chain 1: CH 105

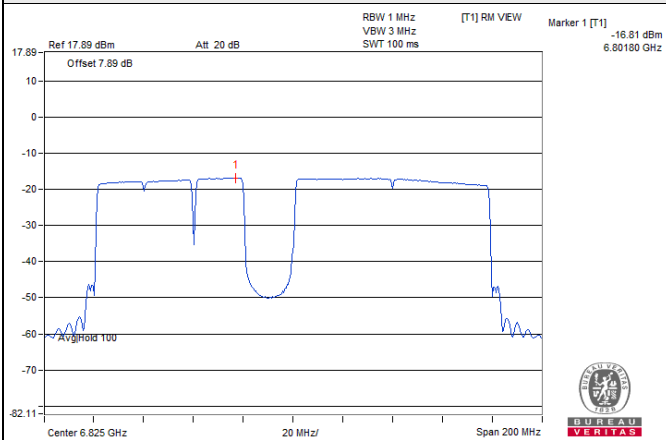


802.11be (EHT80) 484+242-tone MRU / Chain 1: CH 55



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

Spectrum Plot of Maximum Value



7.3 Emission Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	21°C, 64% RH	Tested By:	Katina Lu
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VLP 1Tx

802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	20.37	320	Pass
49	6195	19.18	320	Pass
93	6415	19.49	320	Pass
97	6435	18.79	320	Pass
105	6475	19.07	320	Pass
113	6515	19.23	320	Pass
117	6535	20.28	320	Pass
149	6695	19.38	320	Pass
181	6855	19.12	320	Pass
185	6875	18.75	320	Pass
209	6995	19.74	320	Pass
233	7115	19.49	320	Pass

802.11be (EHT20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	20.57	320	Pass
49	6195	20.69	320	Pass
93	6415	20.59	320	Pass
97	6435	20.56	320	Pass
105	6475	20.59	320	Pass
113	6515	20.62	320	Pass
117	6535	20.6	320	Pass
149	6695	20.7	320	Pass
181	6855	20.79	320	Pass
185	6875	20.83	320	Pass
209	6995	20.57	320	Pass
233	7115	20.48	320	Pass

802.11be (EHT40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
3	5965	40.15	320	Pass
51	6205	40.25	320	Pass
91	6405	40.06	320	Pass
99	6445	40.08	320	Pass
107	6485	39.89	320	Pass
115	6525	40.09	320	Pass
123	6565	40.17	320	Pass
147	6685	40.08	320	Pass
179	6845	40.08	320	Pass
187	6885	40.06	320	Pass
203	6965	40.17	320	Pass
227	7085	40.09	320	Pass

802.11be (EHT80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
7	5985	81.22	320	Pass
55	6225	80.88	320	Pass
87	6385	80.95	320	Pass
103	6465	81.02	320	Pass
119	6545	81.03	320	Pass
135	6625	80.98	320	Pass
151	6705	81.16	320	Pass
167	6785	80.93	320	Pass
183	6865	81.01	320	Pass
199	6945	80.84	320	Pass
215	7025	81.44	320	Pass

802.11be (EHT160)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
15	6025	162.44	320	Pass
47	6185	162.62	320	Pass
79	6345	162.78	320	Pass
111	6505	163.21	320	Pass
143	6665	162.27	320	Pass
175	6825	162.5	320	Pass
207	6985	162.94	320	Pass

802.11be (EHT20) 26-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	19.28	320	Pass
49	6195	19.22	320	Pass
93	6415	19.29	320	Pass
97	6435	19.21	320	Pass
105	6475	19.28	320	Pass
113	6515	19.27	320	Pass
117	6535	19.08	320	Pass
149	6695	19.29	320	Pass
181	6855	19.26	320	Pass
185	6875	19.3	320	Pass
209	6995	19.25	320	Pass
233	7115	19.28	320	Pass

802.11be (EHT20) 52-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	19.22	320	Pass
49	6195	19.33	320	Pass
93	6415	19.22	320	Pass
97	6435	19.46	320	Pass
105	6475	19.36	320	Pass
113	6515	19.19	320	Pass
117	6535	19.28	320	Pass
149	6695	19.31	320	Pass
181	6855	19.25	320	Pass
185	6875	19.37	320	Pass
209	6995	19.29	320	Pass
233	7115	19.25	320	Pass

802.11be (EHT20) 106-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	19.41	320	Pass
49	6195	19.47	320	Pass
93	6415	19.35	320	Pass
97	6435	19.33	320	Pass
105	6475	19.46	320	Pass
113	6515	19.29	320	Pass
117	6535	19.48	320	Pass
149	6695	19.43	320	Pass
181	6855	19.34	320	Pass
185	6875	19.52	320	Pass
209	6995	19.48	320	Pass
233	7115	19.59	320	Pass

802.11be (EHT20) 52+26-tone MRU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	18.27	320	Pass
49	6195	18.26	320	Pass
93	6415	18.21	320	Pass
97	6435	18.3	320	Pass
105	6475	18.33	320	Pass
113	6515	18.15	320	Pass
117	6535	18.31	320	Pass
149	6695	18.35	320	Pass
181	6855	18.29	320	Pass
185	6875	18.3	320	Pass
209	6995	18.4	320	Pass
233	7115	18.27	320	Pass

802.11be (EHT20) 106+26-tone MRU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
1	5955	19.43	320	Pass
49	6195	19.44	320	Pass
93	6415	19.33	320	Pass
97	6435	19.41	320	Pass
105	6475	19.4	320	Pass
113	6515	19.37	320	Pass
117	6535	19.5	320	Pass
149	6695	19.36	320	Pass
181	6855	19.42	320	Pass
185	6875	19.44	320	Pass
209	6995	19.41	320	Pass
233	7115	19.49	320	Pass

802.11be (EHT80) 484+242-tone MRU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
7	5985	80.92	320	Pass
55	6225	81.23	320	Pass
87	6385	81.09	320	Pass
103	6465	81.12	320	Pass
119	6545	80.99	320	Pass
135	6625	81.22	320	Pass
151	6705	81.03	320	Pass
167	6785	81.06	320	Pass
183	6865	80.84	320	Pass
199	6945	80.88	320	Pass
215	7025	81.18	320	Pass

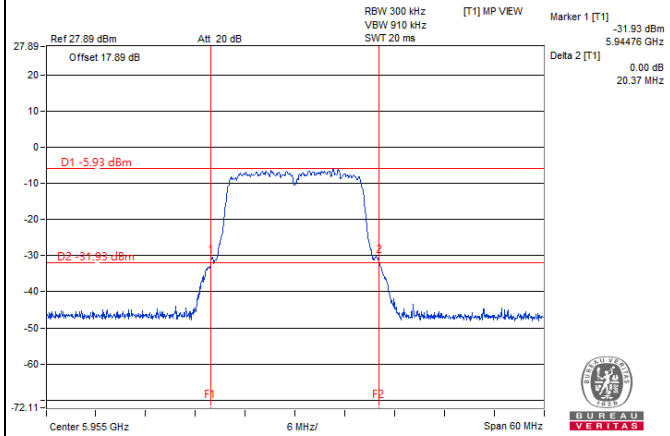
802.11be (EHT160) 996+484-tone MRU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
15	6025	162.7	320	Pass
47	6185	162.44	320	Pass
79	6345	162.77	320	Pass
111	6505	162.96	320	Pass
143	6665	162.52	320	Pass
175	6825	162.12	320	Pass
207	6985	162.71	320	Pass

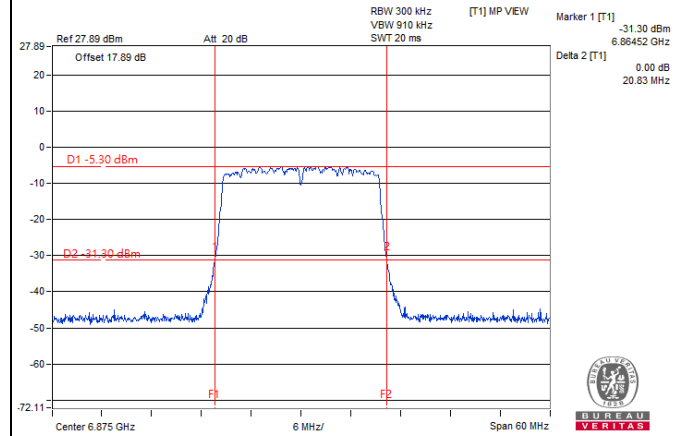
802.11be (EHT160) 996+484+242-tone MRU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
15	6025	162.48	320	Pass
47	6185	162.43	320	Pass
79	6345	162.76	320	Pass
111	6505	162.58	320	Pass
143	6665	162.45	320	Pass
175	6825	162.52	320	Pass
207	6985	162.57	320	Pass

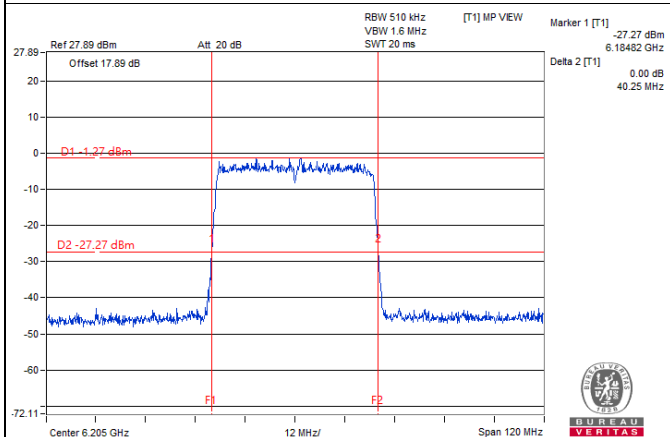
Spectrum Plot of Maximum Value



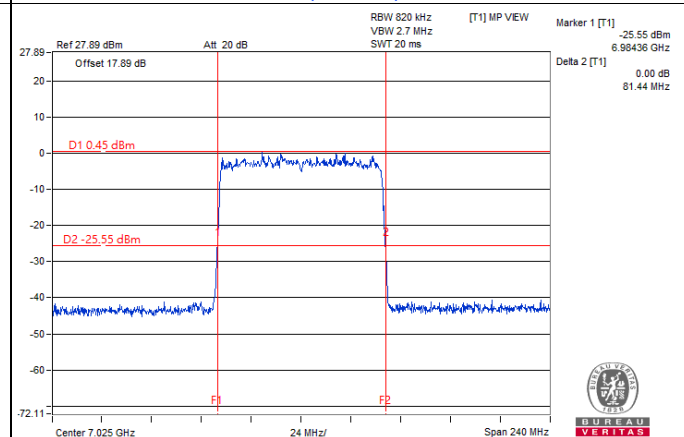
802.11a: CH 1



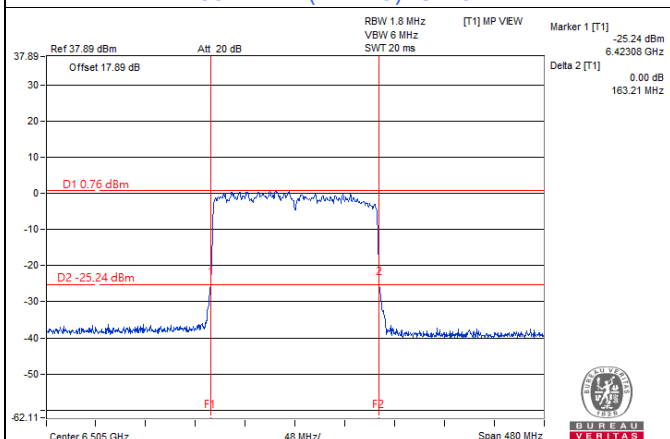
802.11be (EHT20): CH 185



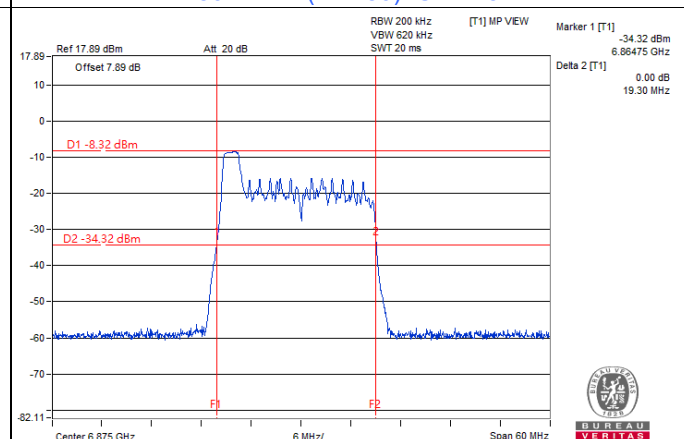
802.11be (EHT40): CH 51



802.11be (EHT80): CH 215

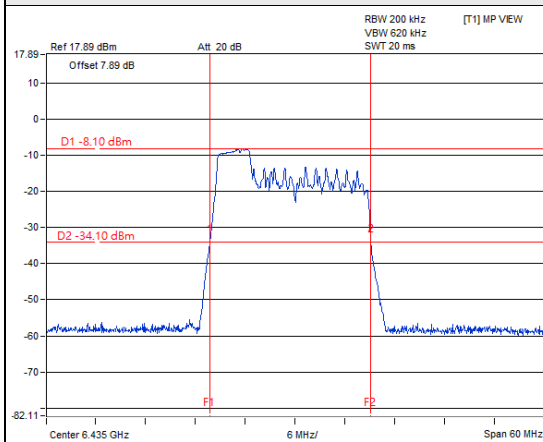


802.11be (EHT160): CH 111

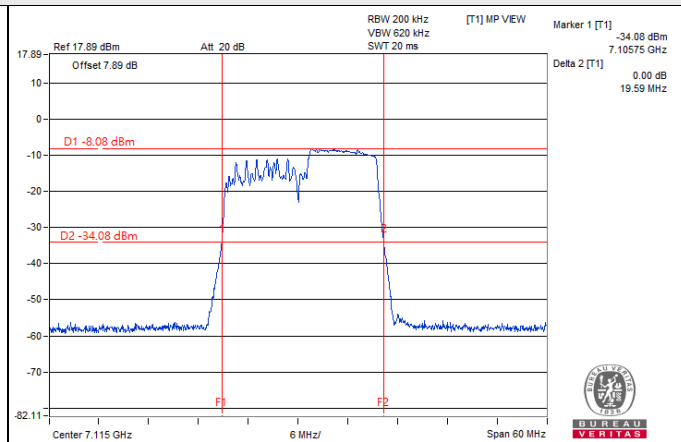


802.11be (EHT20) 26-tone RU: CH 185

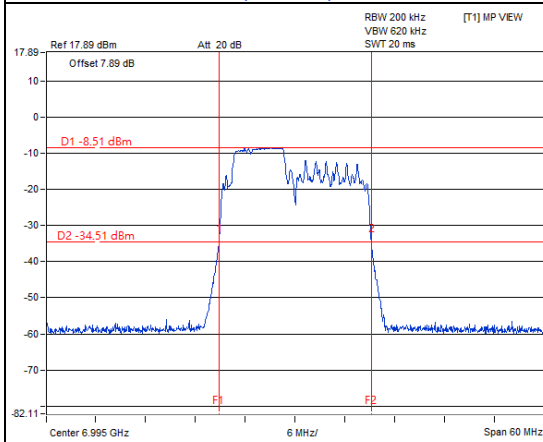
Spectrum Plot of Maximum Value



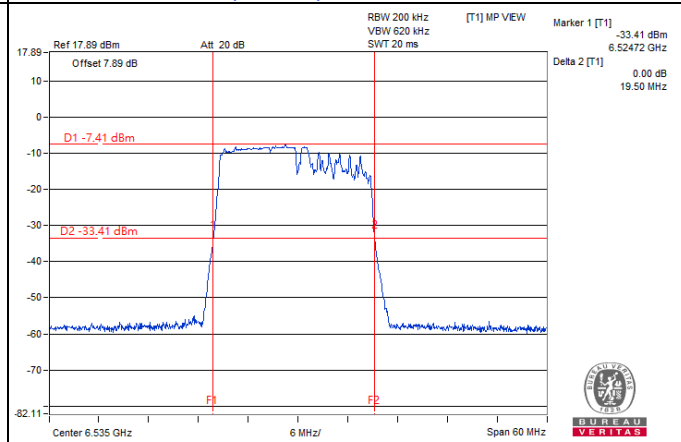
802.11be (EHT20) 52-tone RU: CH 97



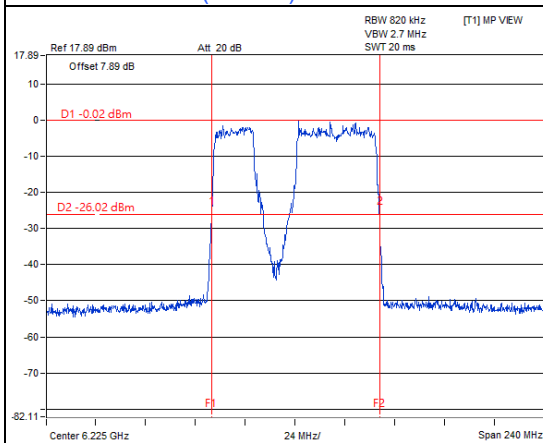
802.11be (EHT20) 106-tone RU: CH 233



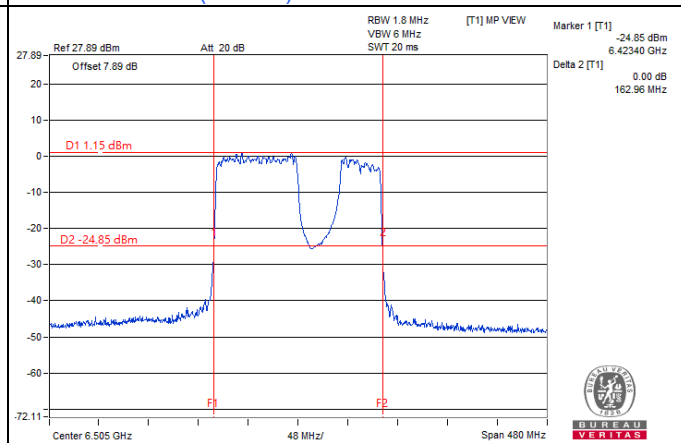
802.11be (EHT20) 52+26-tone MRU: CH 209



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

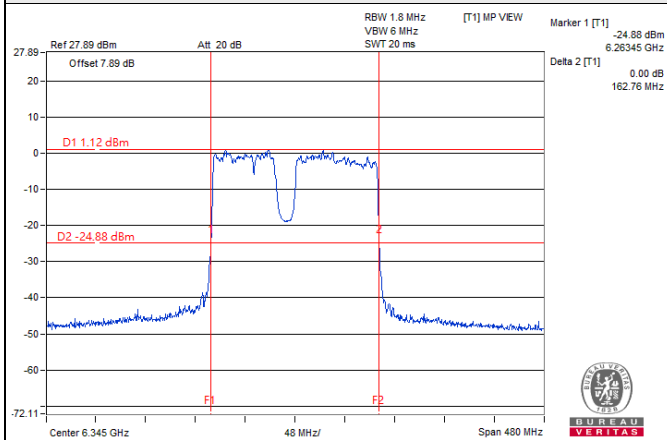


802.11be (EHT80) 484+242-tone MRU: CH 55



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

Spectrum Plot of Maximum Value



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

Input Power:	3.3 Vdc	Environmental Conditions:	24°C, 61% RH	Tested By:	Katina Lu
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VLP 2Tx

802.11a

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	19.88	19.73	320	Pass
49	6195	18.84	18.79	320	Pass
93	6415	19.46	19.31	320	Pass
97	6435	19.29	19.28	320	Pass
105	6475	19.86	19.56	320	Pass
113	6515	18.74	18.70	320	Pass
117	6535	19.02	18.99	320	Pass
149	6695	19.40	19.30	320	Pass
181	6855	19.55	18.65	320	Pass
185	6875	18.91	19.24	320	Pass
209	6995	19.45	19.27	320	Pass
233	7115	18.98	18.98	320	Pass

802.11be (EHT20)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	20.58	20.66	320	Pass
49	6195	20.50	20.44	320	Pass
93	6415	20.68	20.83	320	Pass
97	6435	20.45	20.60	320	Pass
105	6475	20.57	20.59	320	Pass
113	6515	20.50	20.45	320	Pass
117	6535	20.81	20.71	320	Pass
149	6695	20.41	20.41	320	Pass
181	6855	20.77	20.68	320	Pass
185	6875	20.56	20.47	320	Pass
209	6995	20.82	20.43	320	Pass
233	7115	20.40	20.43	320	Pass

802.11be (EHT40)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
3	5965	39.89	40.07	320	Pass
51	6205	40.06	39.98	320	Pass
91	6405	39.99	40.14	320	Pass
99	6445	39.96	40.05	320	Pass
107	6485	40.06	40.03	320	Pass
115	6525	40.10	39.93	320	Pass
123	6565	39.99	39.76	320	Pass
147	6685	39.99	39.97	320	Pass
179	6845	40.11	39.91	320	Pass
187	6885	40.33	40.17	320	Pass
203	6965	39.91	39.92	320	Pass
227	7085	40.06	39.99	320	Pass

802.11be (EHT80)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
7	5985	81.21	80.99	320	Pass
55	6225	81.40	81.11	320	Pass
87	6385	80.75	80.81	320	Pass
103	6465	81.30	80.94	320	Pass
119	6545	80.90	80.96	320	Pass
135	6625	80.81	80.59	320	Pass
151	6705	80.90	80.88	320	Pass
167	6785	80.71	80.66	320	Pass
183	6865	81.01	81.00	320	Pass
199	6945	80.67	80.99	320	Pass
215	7025	80.88	80.75	320	Pass

802.11be (EHT160)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	162.67	162.30	320	Pass
47	6185	162.79	162.84	320	Pass
79	6345	162.81	162.25	320	Pass
111	6505	162.41	162.29	320	Pass
143	6665	162.17	162.74	320	Pass
175	6825	162.58	162.90	320	Pass
207	6985	162.69	162.25	320	Pass

802.11be (EHT20) 26-tone RU

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	19.36	19.18	320	Pass
49	6195	19.32	19.24	320	Pass
93	6415	19.33	19.22	320	Pass
97	6435	19.33	19.30	320	Pass
105	6475	19.22	19.19	320	Pass
113	6515	19.18	19.28	320	Pass
117	6535	19.20	19.24	320	Pass
149	6695	19.18	19.27	320	Pass
181	6855	19.32	19.30	320	Pass
185	6875	19.23	19.21	320	Pass
209	6995	19.41	19.23	320	Pass
233	7115	19.18	19.26	320	Pass

802.11be (EHT20) 52-tone RU

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	19.37	19.03	320	Pass
49	6195	19.15	19.26	320	Pass
93	6415	19.24	19.27	320	Pass
97	6435	19.25	19.22	320	Pass
105	6475	19.28	19.05	320	Pass
113	6515	19.29	19.13	320	Pass
117	6535	19.30	19.16	320	Pass
149	6695	19.29	19.20	320	Pass
181	6855	19.32	19.26	320	Pass
185	6875	19.34	19.12	320	Pass
209	6995	19.32	19.16	320	Pass
233	7115	19.32	19.15	320	Pass

802.11be (EHT20) 106-tone RU

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	19.49	19.33	320	Pass
49	6195	19.34	19.27	320	Pass
93	6415	19.42	19.30	320	Pass
97	6435	19.30	19.29	320	Pass
105	6475	19.33	19.31	320	Pass
113	6515	19.40	19.38	320	Pass
117	6535	19.55	19.40	320	Pass
149	6695	19.36	19.89	320	Pass
181	6855	19.33	19.31	320	Pass
185	6875	19.29	19.27	320	Pass
209	6995	19.43	19.30	320	Pass
233	7115	19.38	19.28	320	Pass

802.11be (EHT20) 52+26-tone MRU

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	18.31	18.23	320	Pass
49	6195	18.29	18.22	320	Pass
93	6415	18.30	18.21	320	Pass
97	6435	18.31	18.16	320	Pass
105	6475	18.31	18.32	320	Pass
113	6515	18.37	18.21	320	Pass
117	6535	18.32	18.25	320	Pass
149	6695	18.26	18.24	320	Pass
181	6855	18.31	18.26	320	Pass
185	6875	18.32	18.24	320	Pass
209	6995	18.23	18.20	320	Pass
233	7115	18.32	18.21	320	Pass

802.11be (EHT20) 106+26-tone MRU

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	19.53	19.42	320	Pass
49	6195	19.37	19.48	320	Pass
93	6415	19.48	19.23	320	Pass
97	6435	19.58	19.37	320	Pass
105	6475	19.41	19.27	320	Pass
113	6515	19.41	19.37	320	Pass
117	6535	19.41	19.42	320	Pass
149	6695	19.55	19.28	320	Pass
181	6855	19.41	19.22	320	Pass
185	6875	19.41	19.29	320	Pass
209	6995	19.58	19.42	320	Pass
233	7115	19.45	19.20	320	Pass

802.11be (EHT80) 484+242-tone MRU

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
7	5985	81.08	81.00	320	Pass
55	6225	81.00	80.95	320	Pass
87	6385	80.93	80.73	320	Pass
103	6465	81.41	81.28	320	Pass
119	6545	81.00	81.11	320	Pass
135	6625	81.07	80.61	320	Pass
151	6705	80.71	80.95	320	Pass
167	6785	81.19	80.52	320	Pass
183	6865	80.79	81.02	320	Pass
199	6945	81.04	80.79	320	Pass
215	7025	80.87	80.80	320	Pass

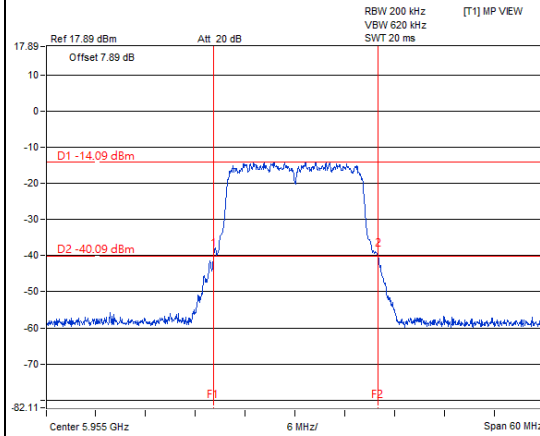
802.11be (EHT160) 996+484-tone MRU

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	162.76	162.42	320	Pass
47	6185	162.53	162.89	320	Pass
79	6345	162.68	162.56	320	Pass
111	6505	162.94	162.79	320	Pass
143	6665	162.49	162.62	320	Pass
175	6825	162.77	162.34	320	Pass
207	6985	162.57	162.39	320	Pass

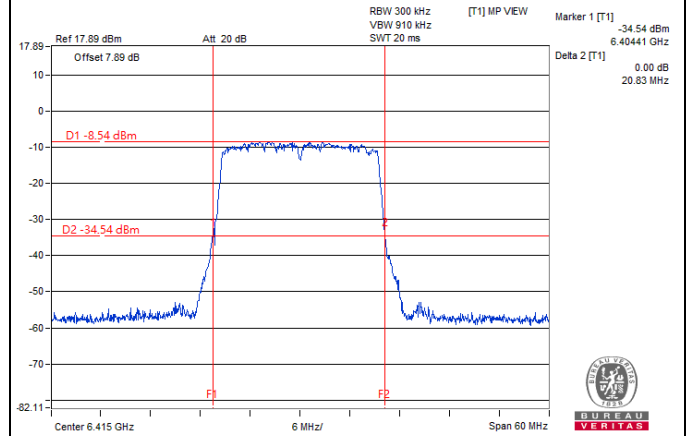
802.11be (EHT160) 996+484+242-tone MRU

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	162.51	162.27	320	Pass
47	6185	162.41	162.35	320	Pass
79	6345	162.52	162.50	320	Pass
111	6505	162.55	162.75	320	Pass
143	6665	162.54	162.85	320	Pass
175	6825	162.65	162.51	320	Pass
207	6985	163.04	162.84	320	Pass

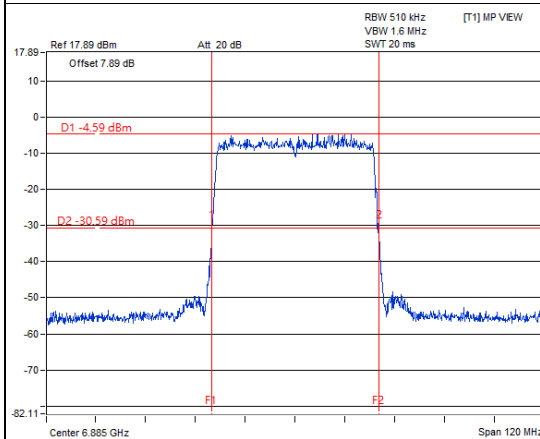
Spectrum Plot of Maximum Value



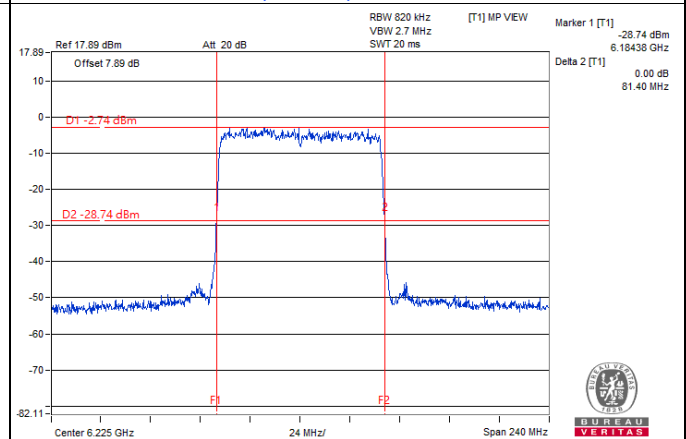
802.11a / Chain 0: CH 1



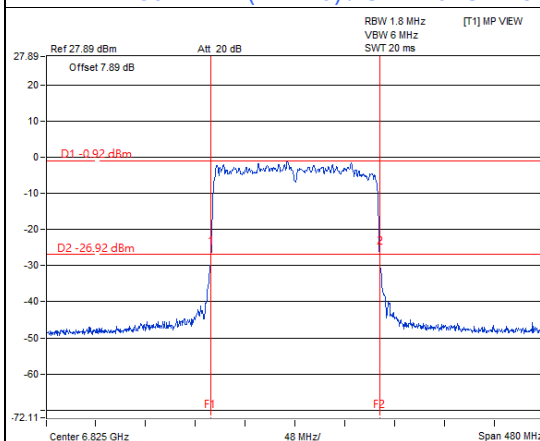
802.11be (EHT20) / Chain 1: CH 93



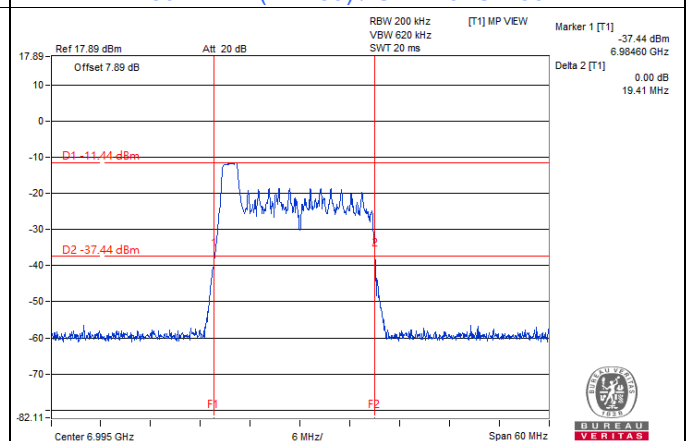
802.11be (EHT40) / Chain 0: CH 187



802.11be (EHT80) / Chain 0: CH 55

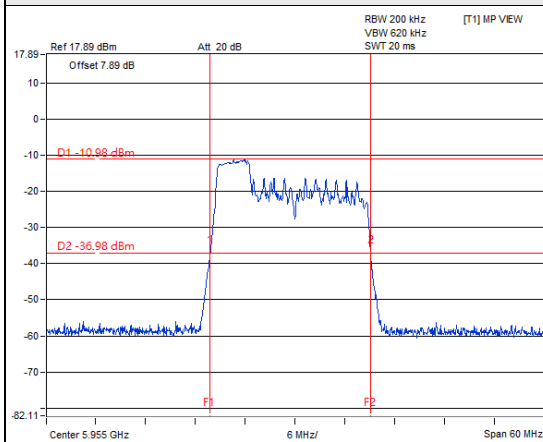


802.11be (EHT160) / Chain 1: CH 175

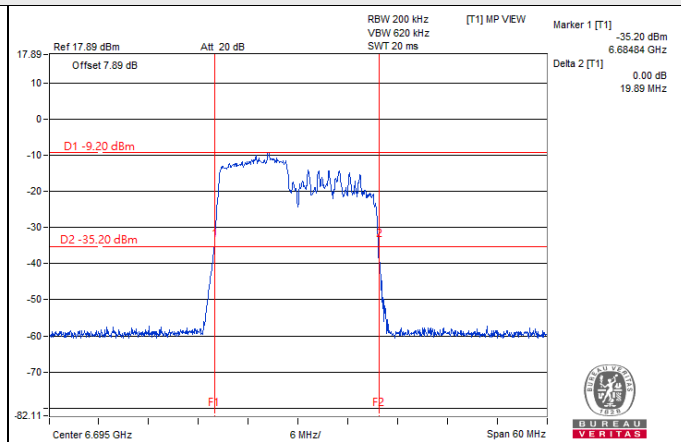


802.11be (EHT20) 26-tone RU / Chain 0: CH 209

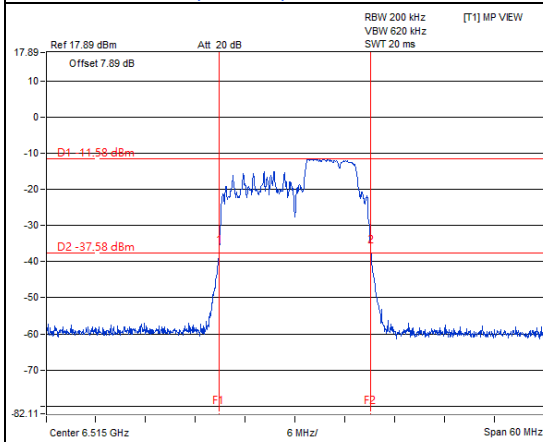
Spectrum Plot of Maximum Value



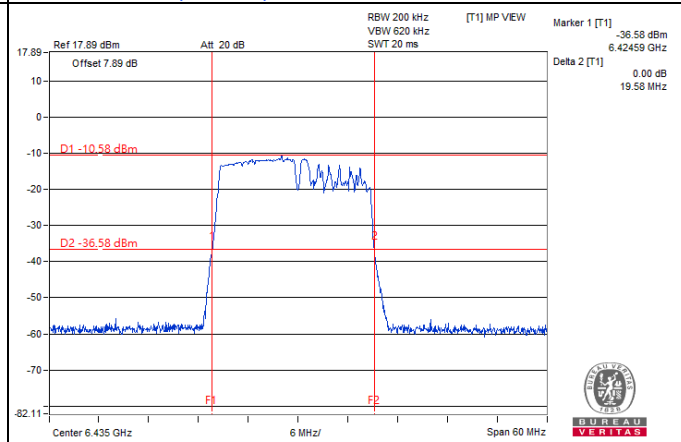
802.11be (EHT20) 52-tone RU / Chain 0: CH 1



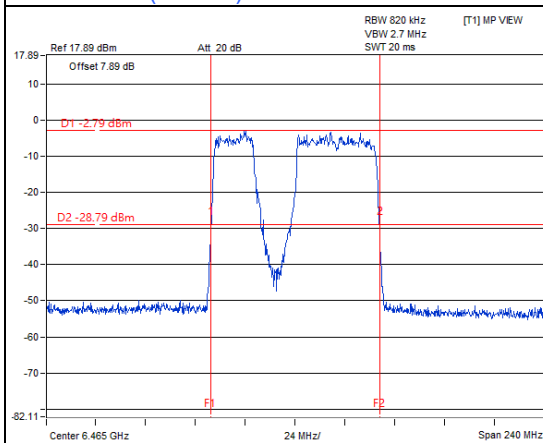
802.11be (EHT20) 106-tone RU / Chain 1: CH 149



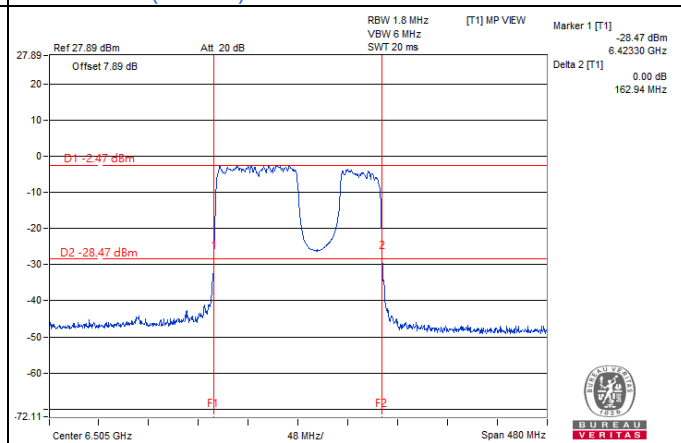
802.11be (EHT20) 52+26-tone MRU / Chain 0: CH 113



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

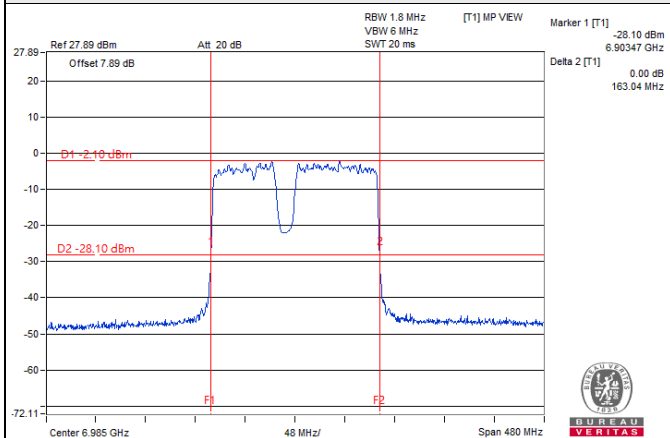


802.11be (EHT80) 484+242-tone MRU / Chain 0: CH 103



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

Spectrum Plot of Maximum Value



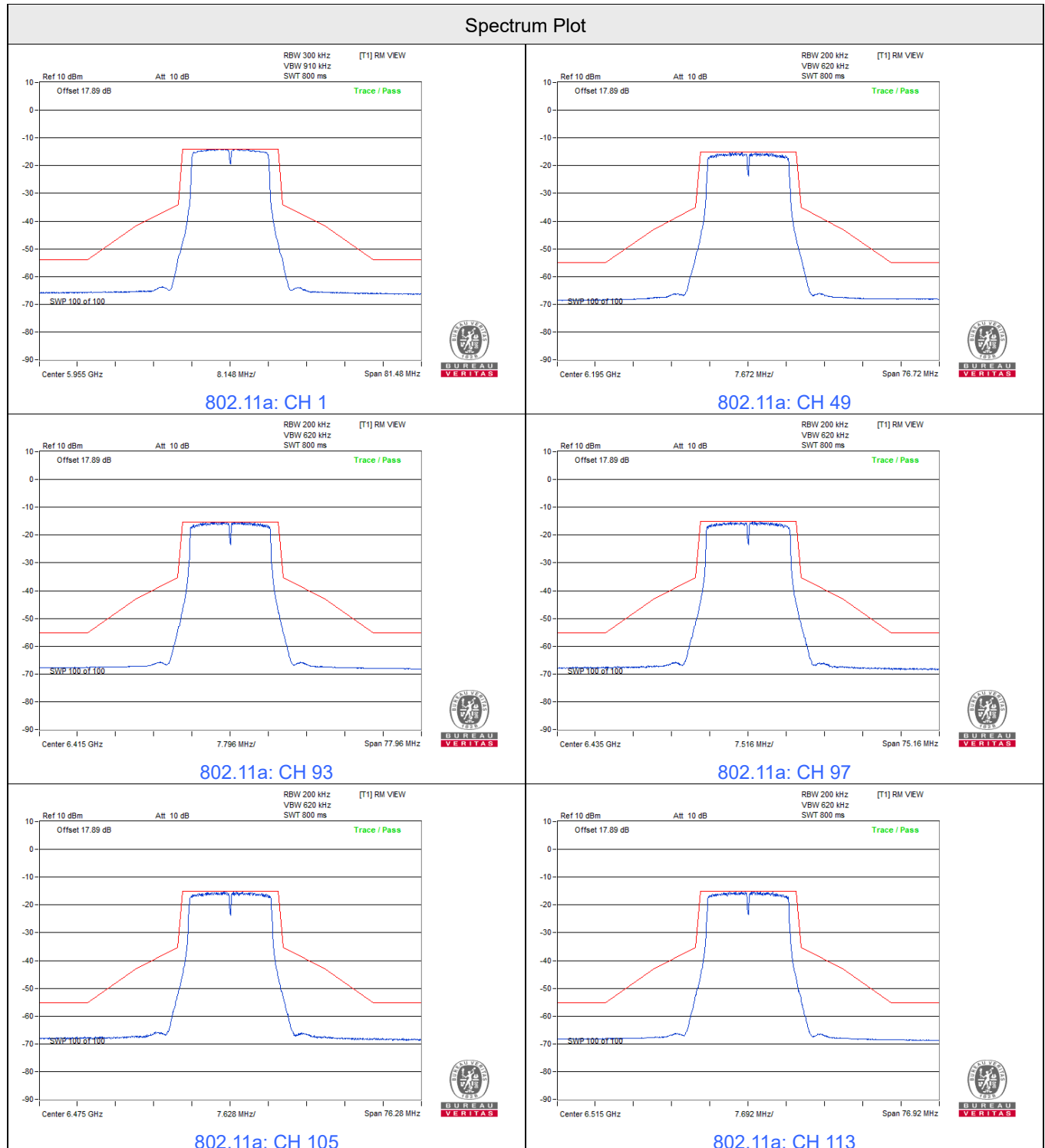
802.11be (EHT160) 996+484+242-tone MRU / Chain 0: CH
207

7.4 In-Band Emission Mask

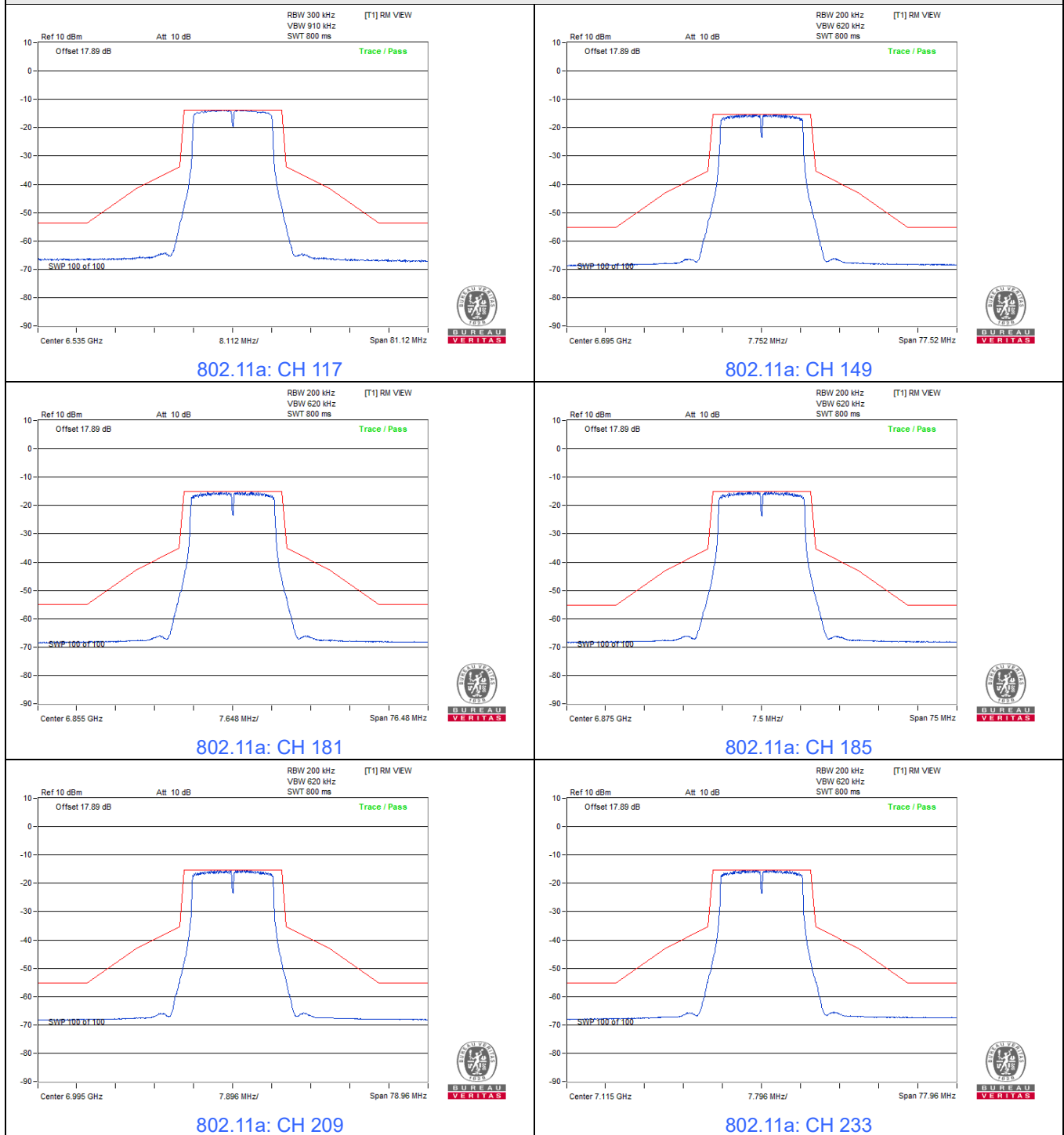
Input Power:	3.3 Vdc	Environmental Conditions:	21°C, 64% RH	Tested By:	Katina Lu
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VLP 1Tx

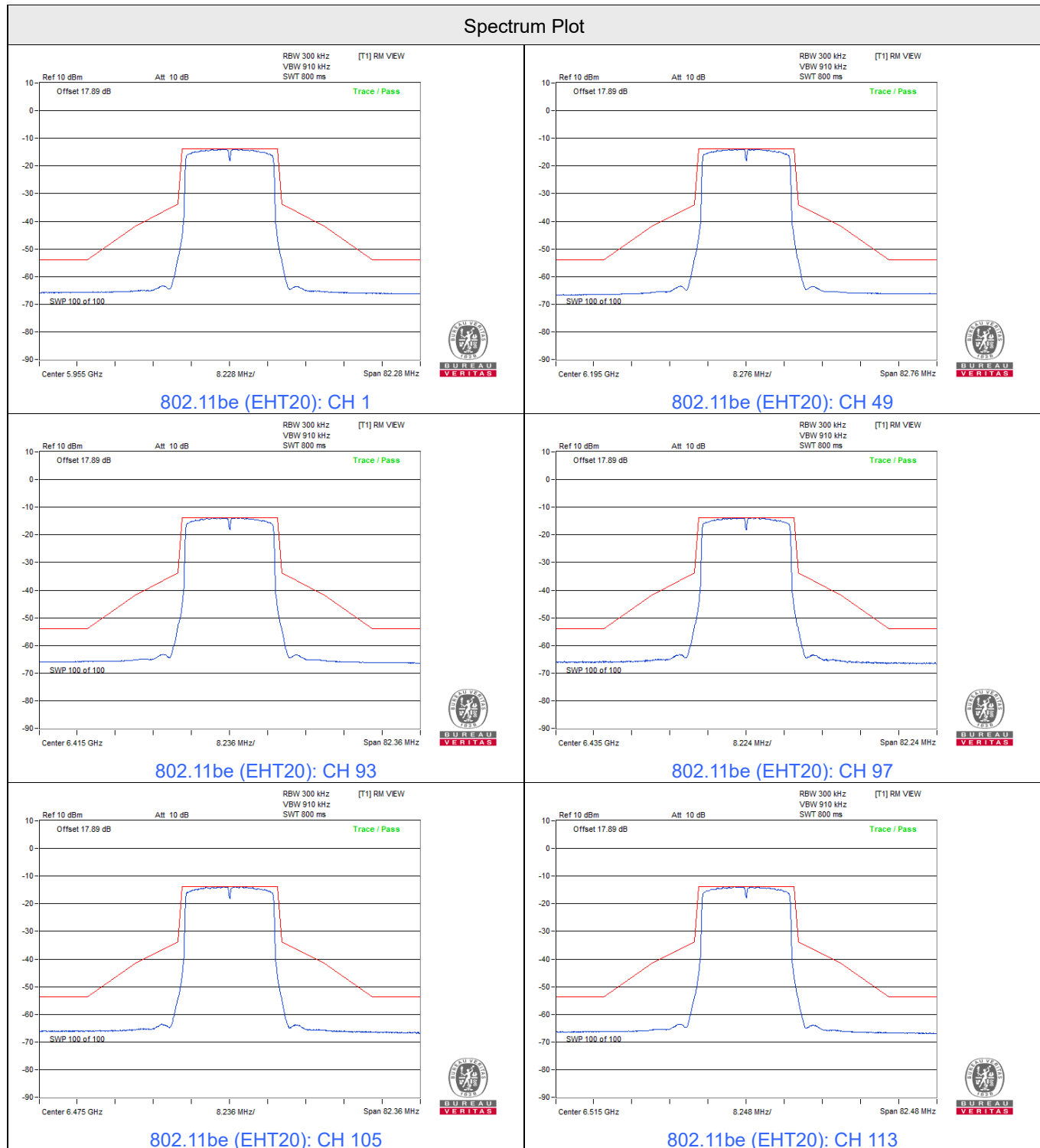
802.11a



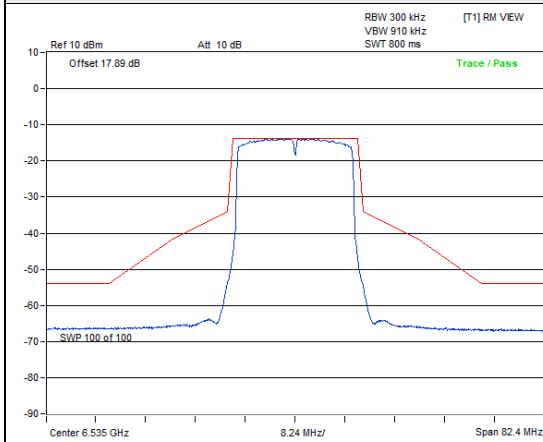
Spectrum Plot



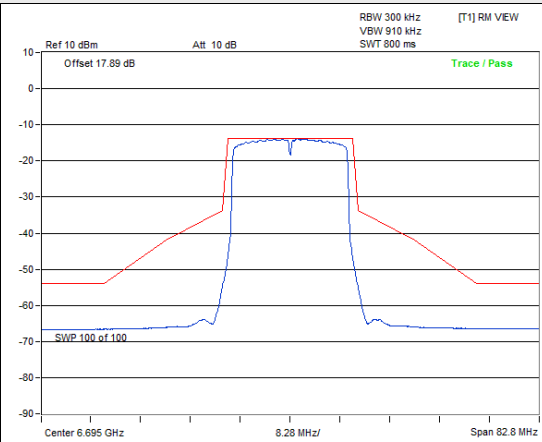
802.11be (EHT20)



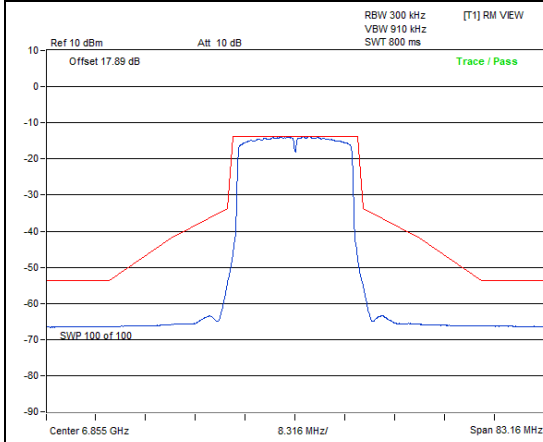
Spectrum Plot



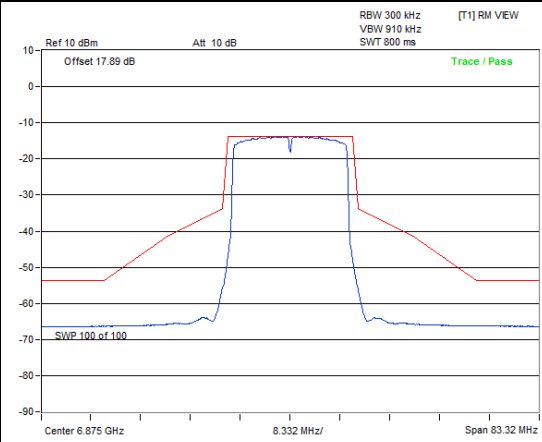
802.11be (EHT20): CH 117



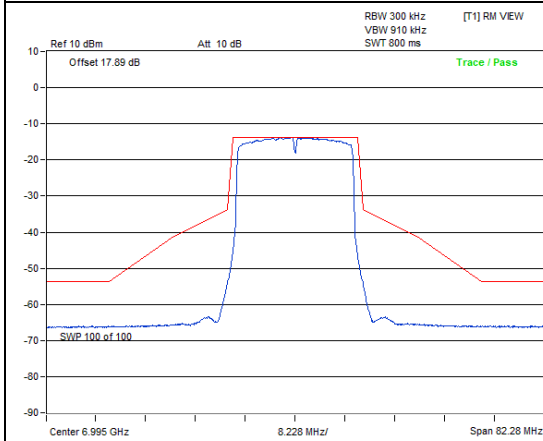
802.11be (EHT20): CH 149



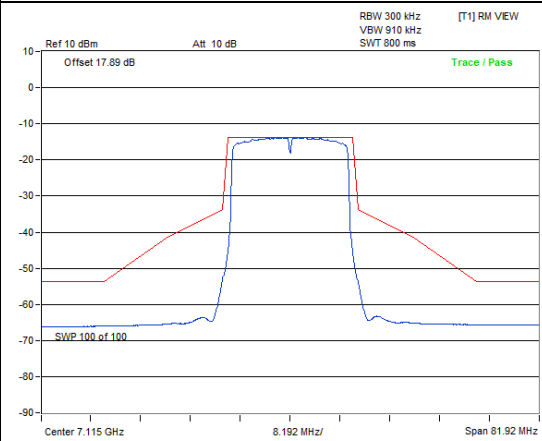
802.11be (EHT20): CH 181



802.11be (EHT20): CH 185



802.11be (EHT20): CH 209

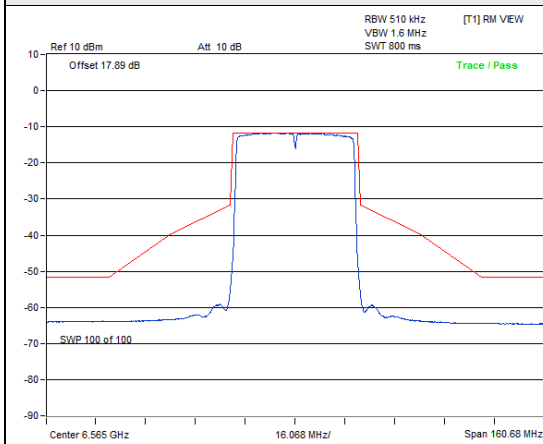


802.11be (EHT20): CH 233

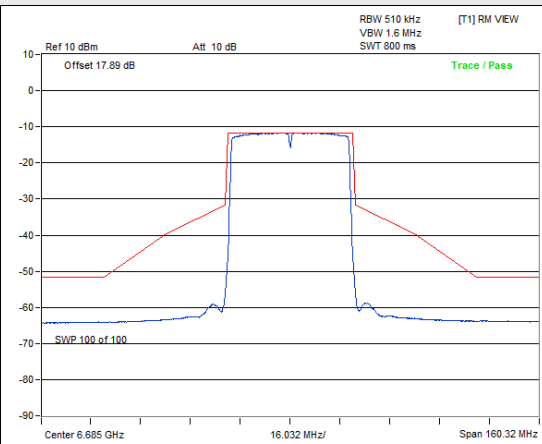
802.11be (EHT40)



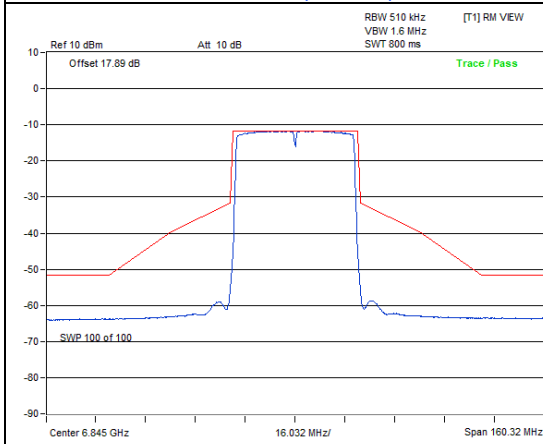
Spectrum Plot



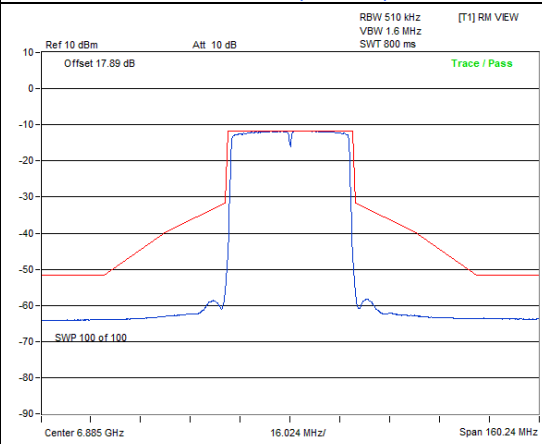
802.11be (EHT40): CH 123



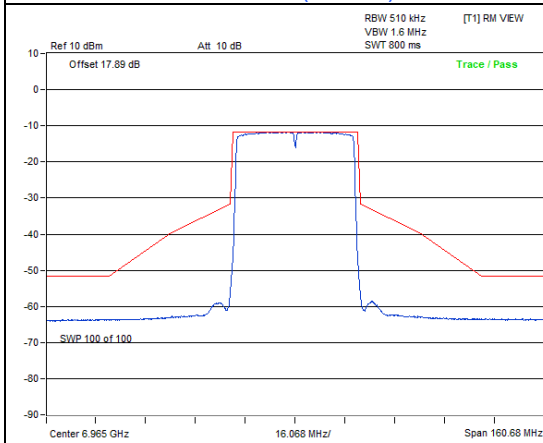
802.11be (EHT40): CH 147



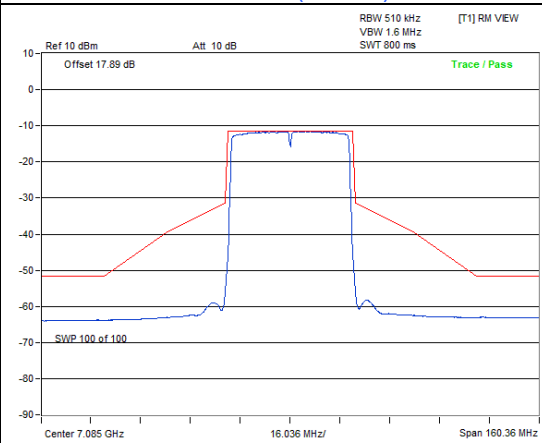
802.11be (EHT40): CH 179



802.11be (EHT40): CH 187



802.11be (EHT40): CH 203

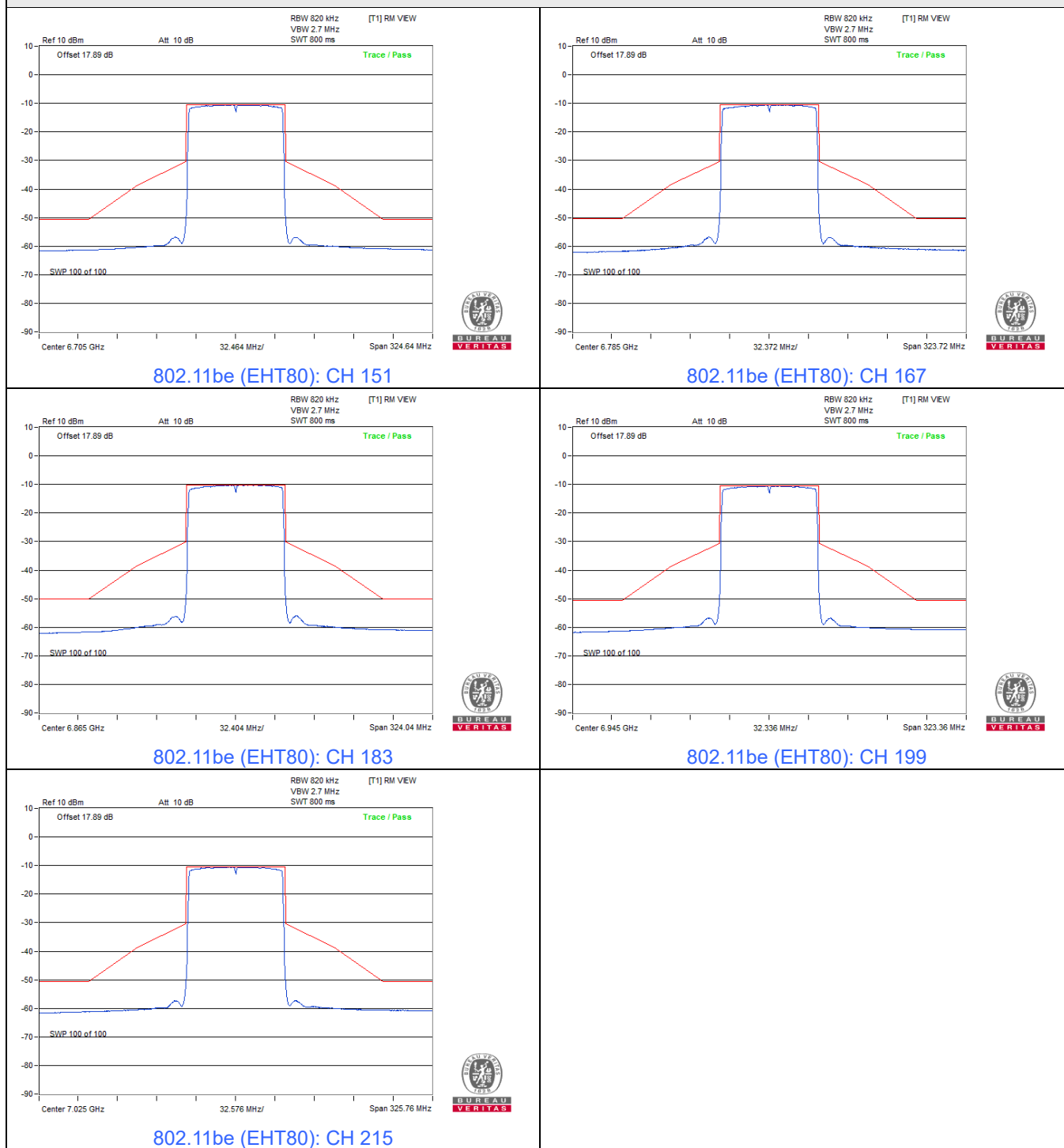


802.11be (EHT40): CH 227

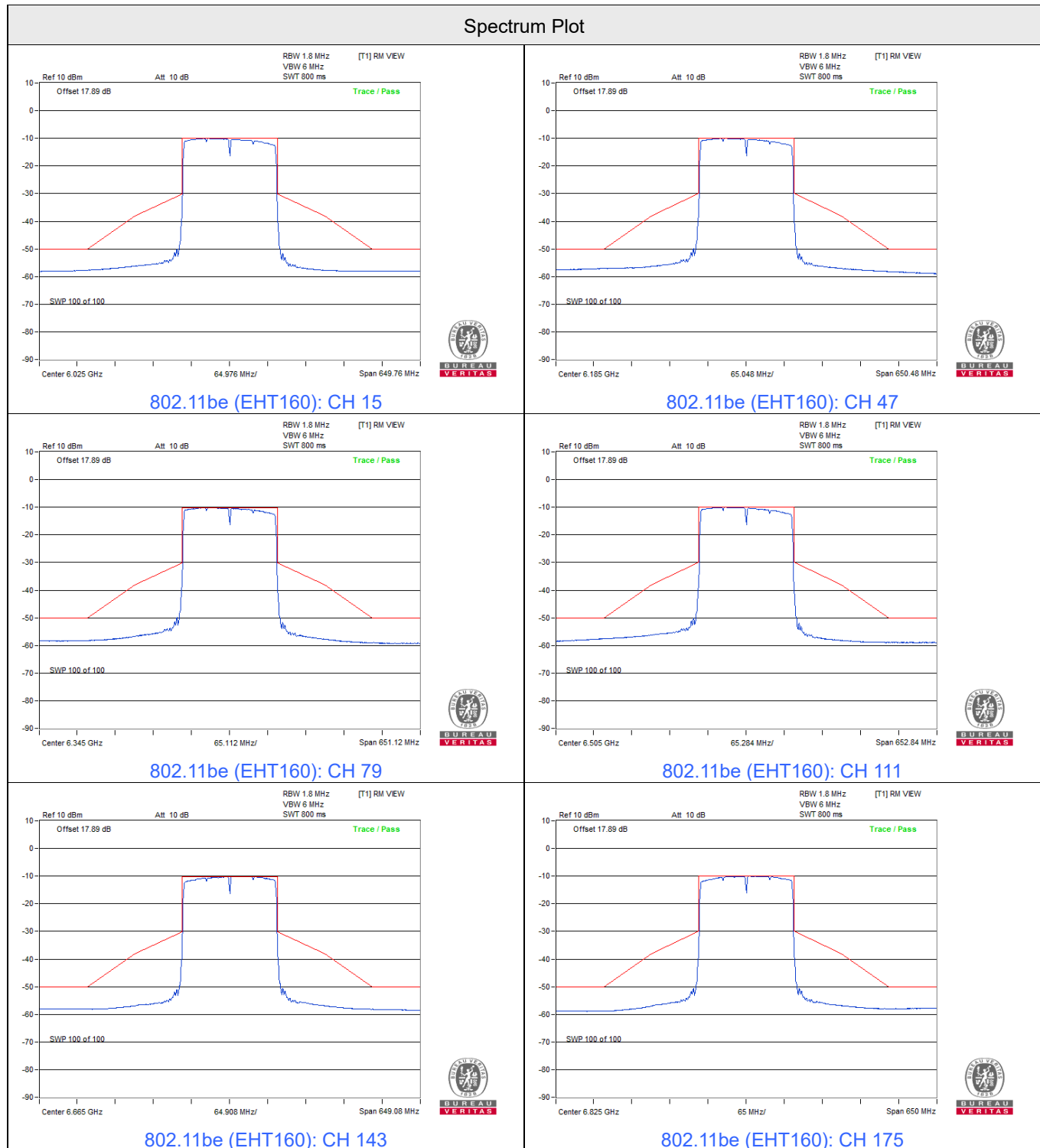
802.11be (EHT80)



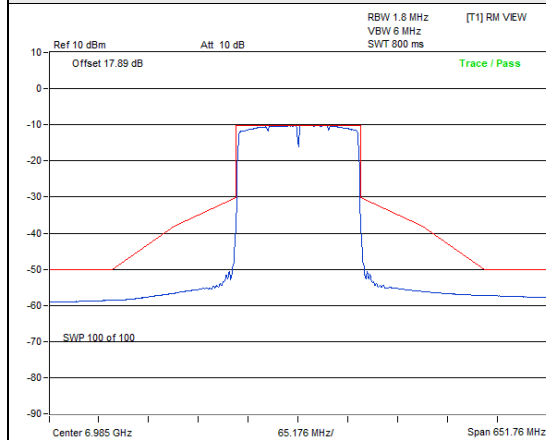
Spectrum Plot



802.11be (EHT160)



Spectrum Plot

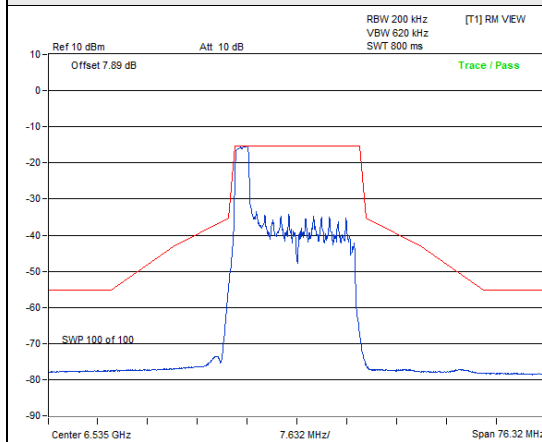


802.11be (EHT160): CH 207

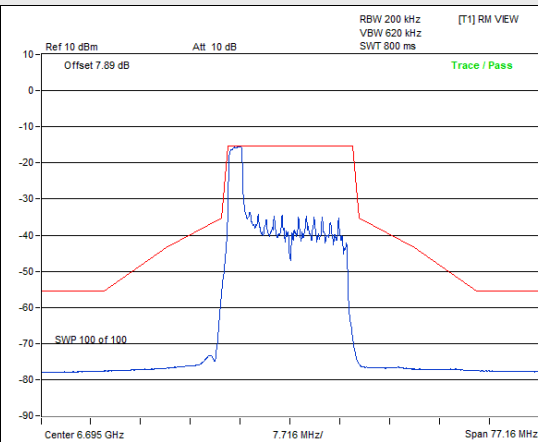
802.11be (EHT20) 26-tone RU



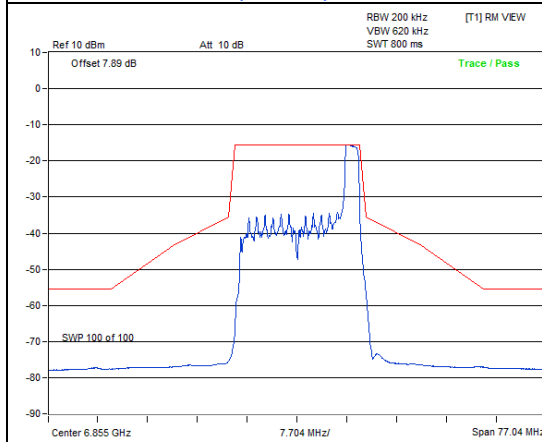
Spectrum Plot



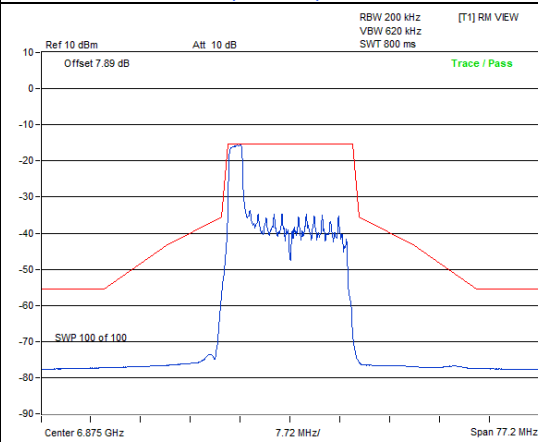
802.11be (EHT20) 26-tone RU: CH 117



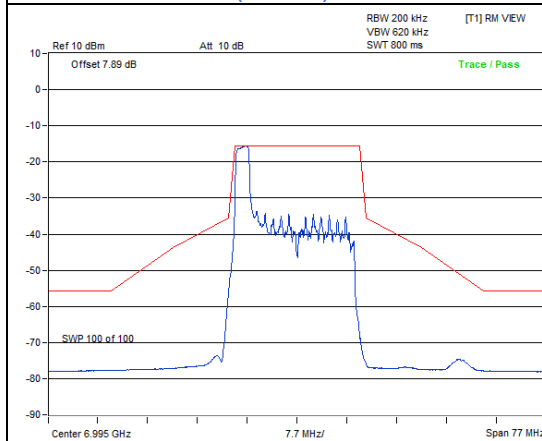
802.11be (EHT20) 26-tone RU: CH 149



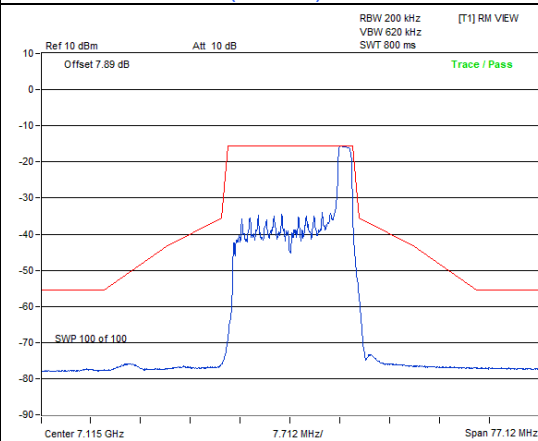
802.11be (EHT20) 26-tone RU: CH 181



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



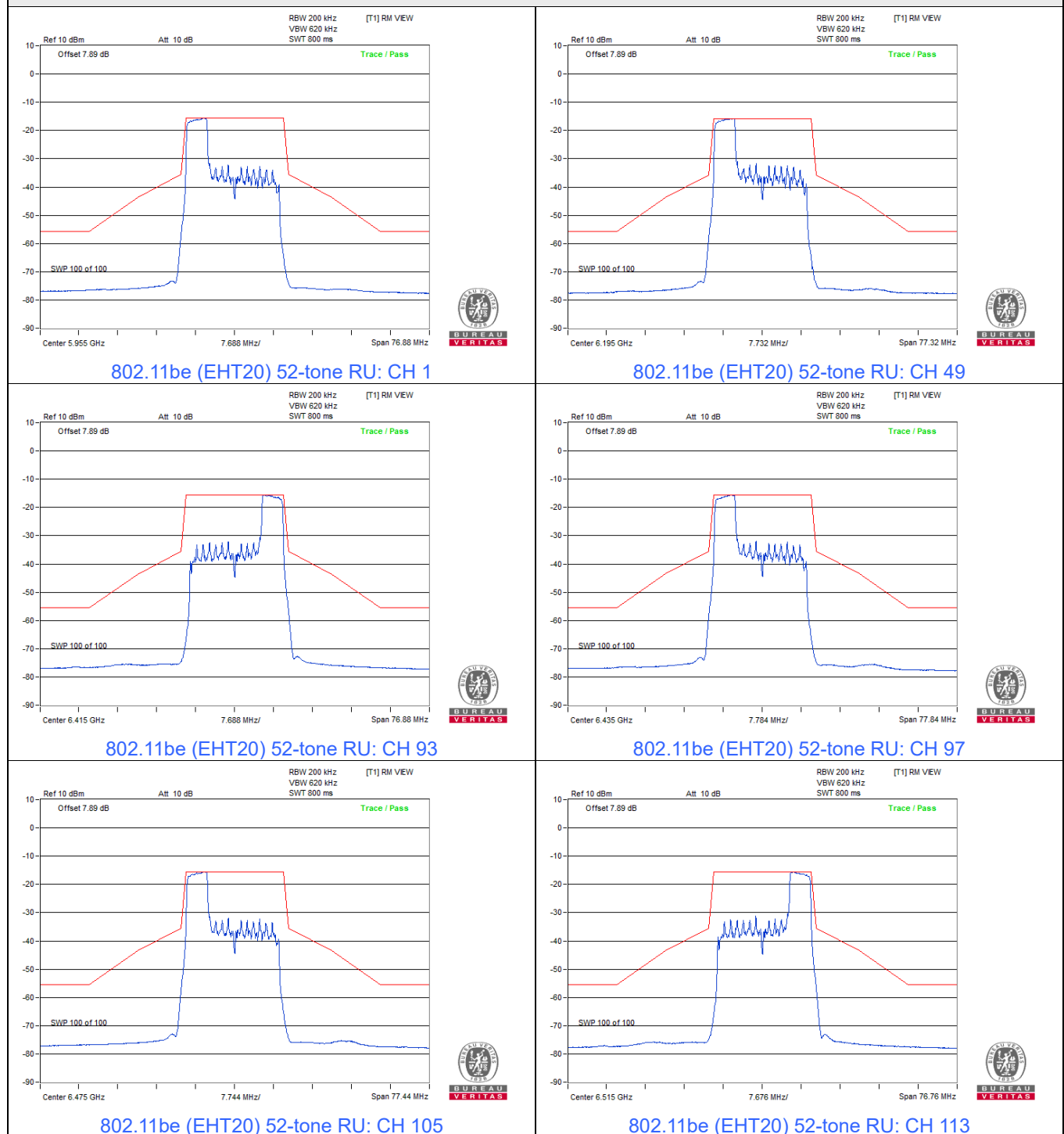
802.11be (EHT20) 26-tone RU: CH 209



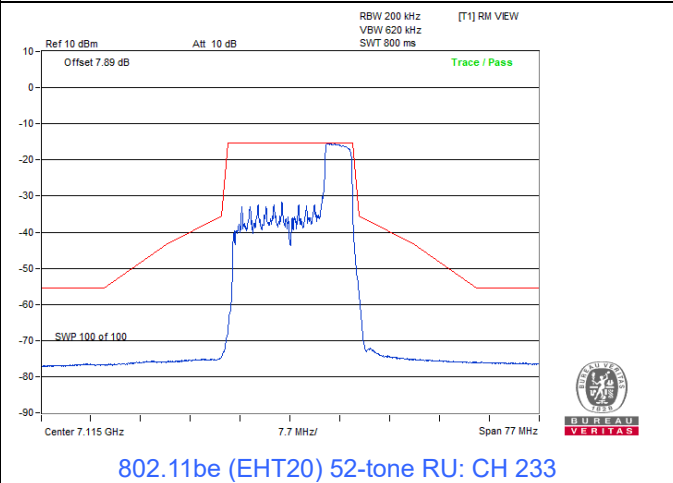
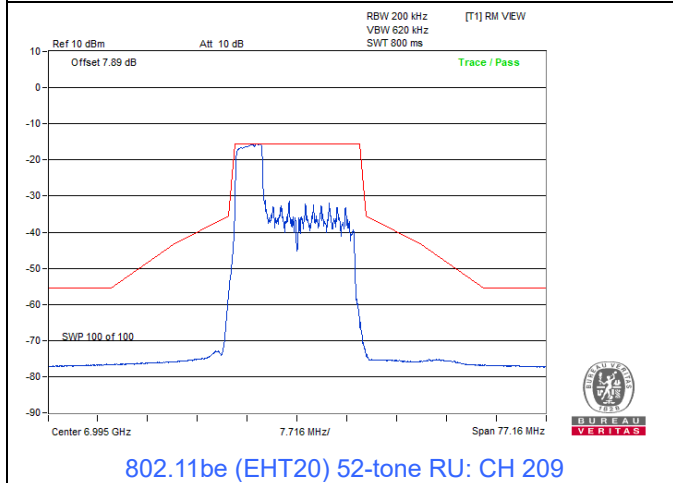
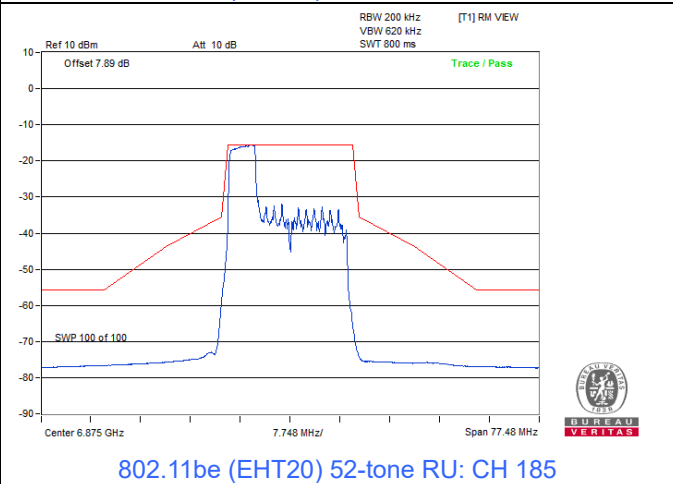
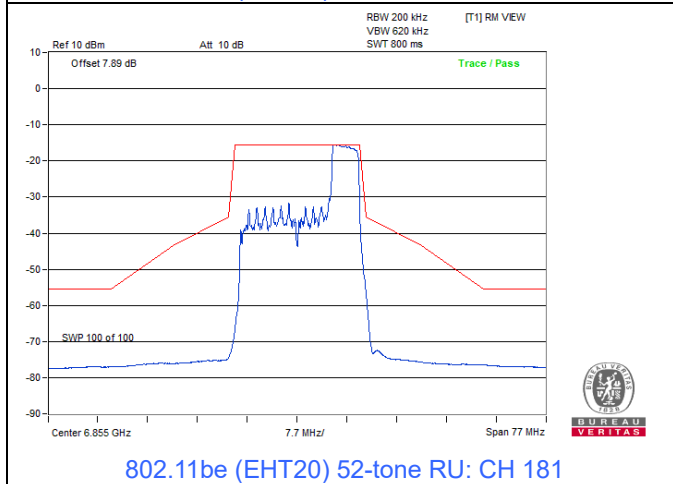
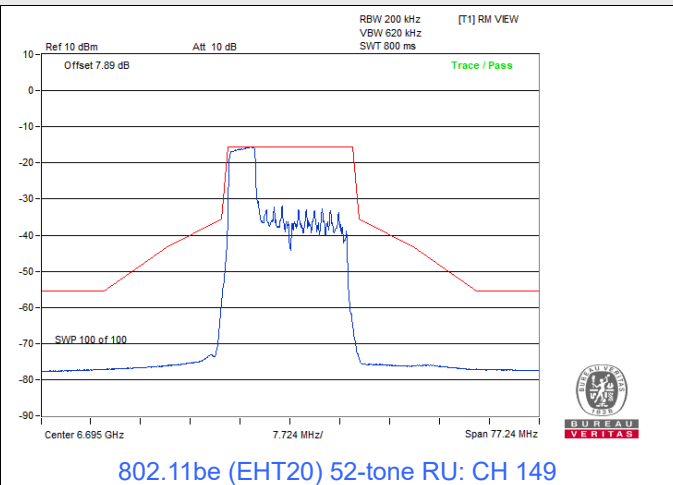
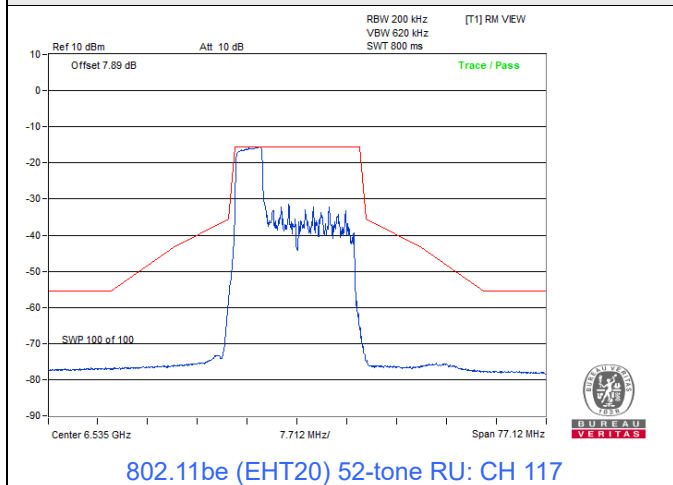
802.11be (EHT20) 26-tone RU: CH 233

802.11be (EHT20) 52-tone RU

Spectrum Plot



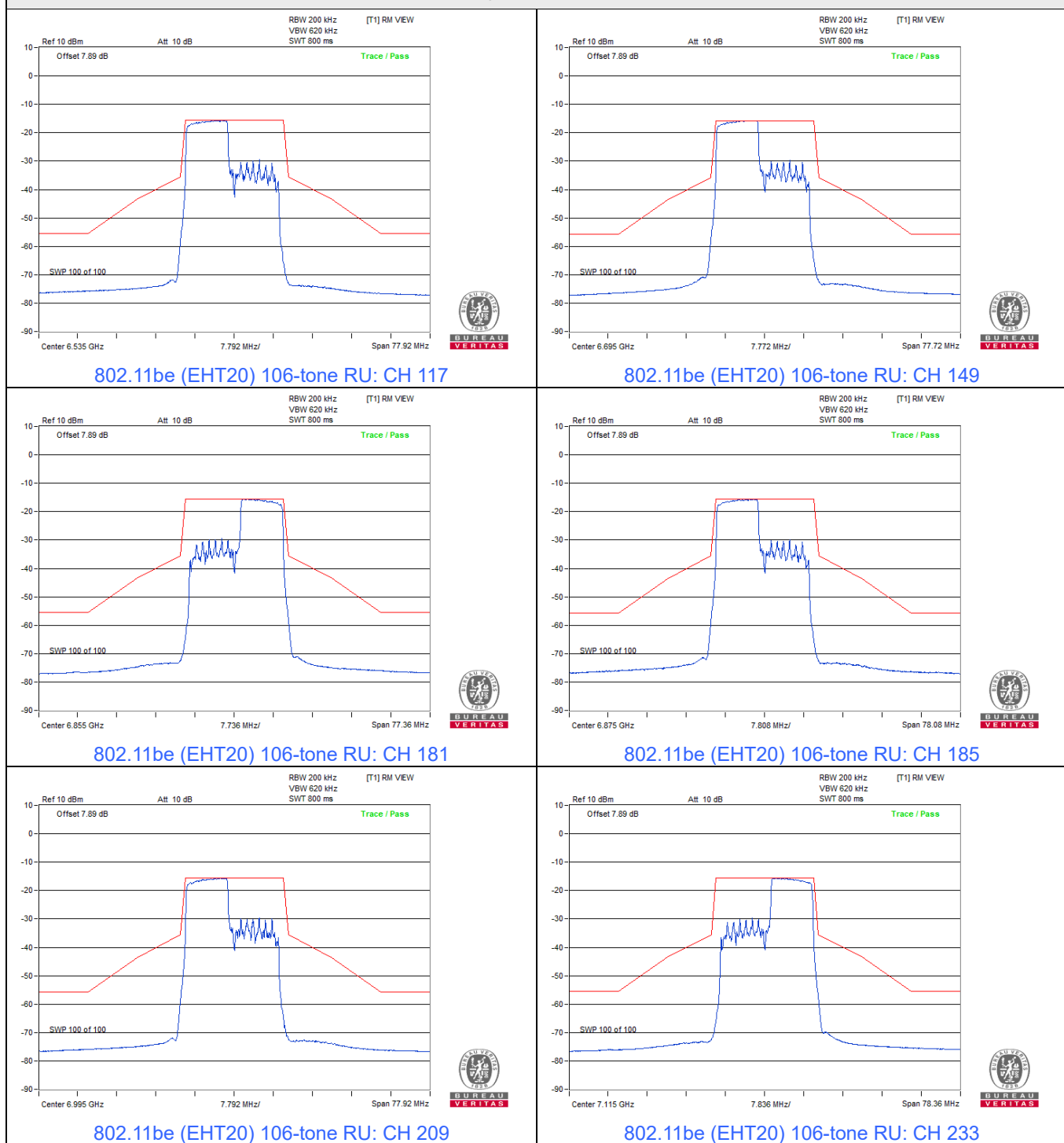
Spectrum Plot



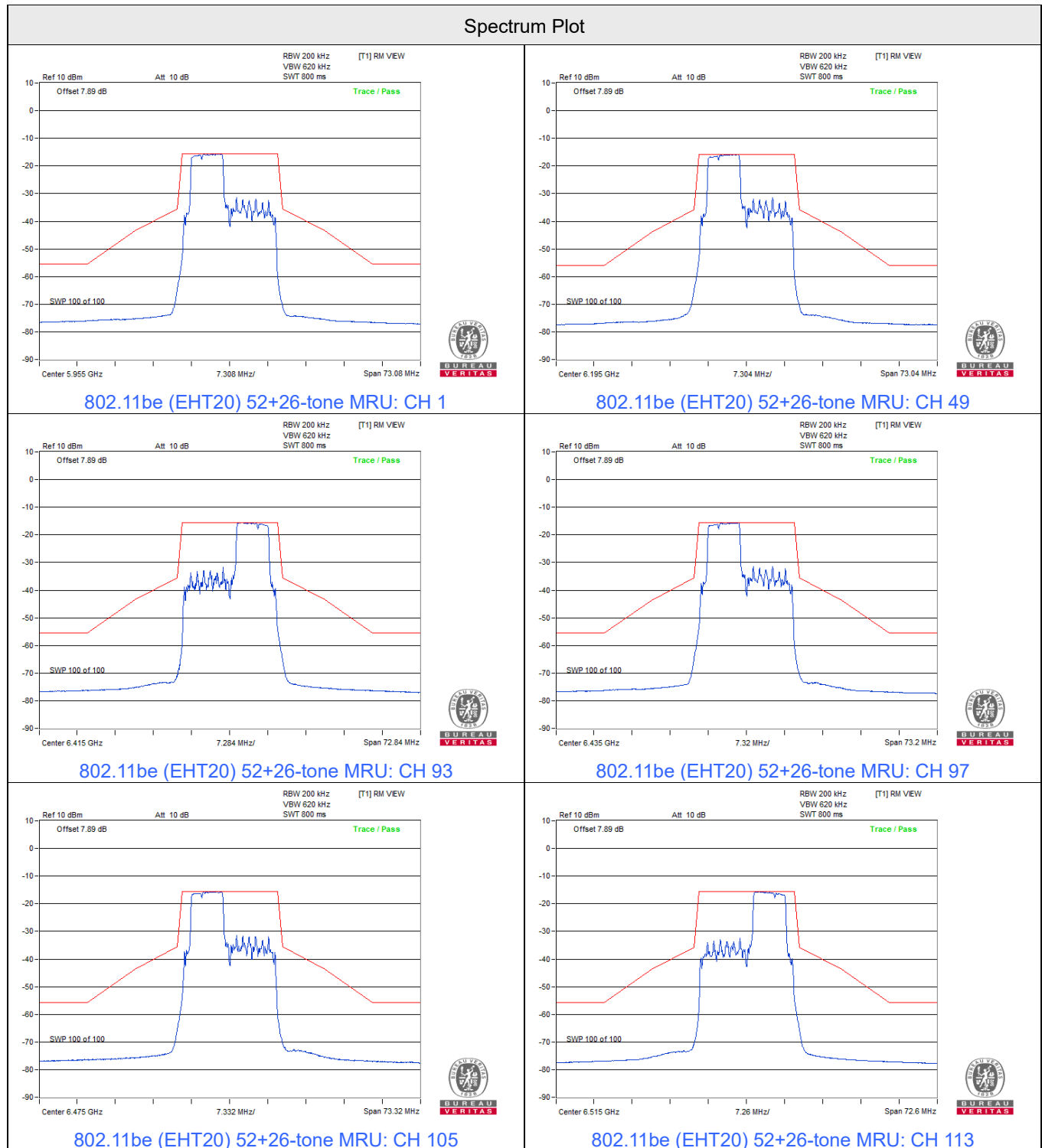
802.11be (EHT20) 106-tone RU



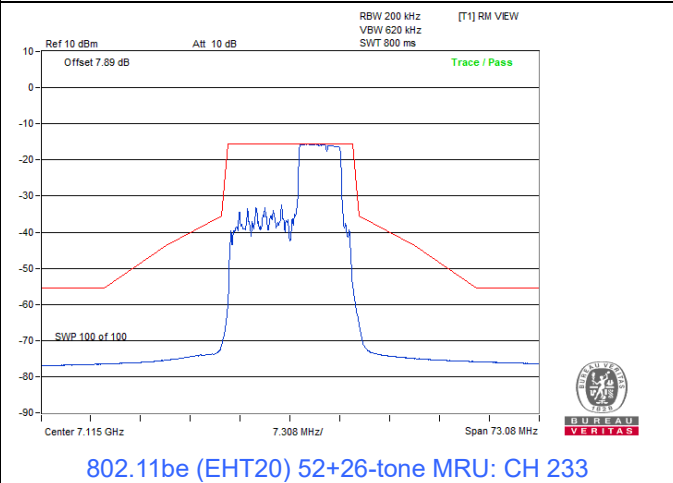
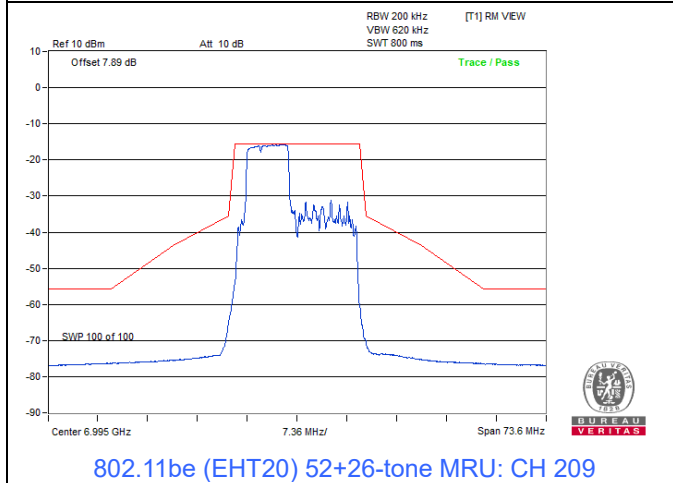
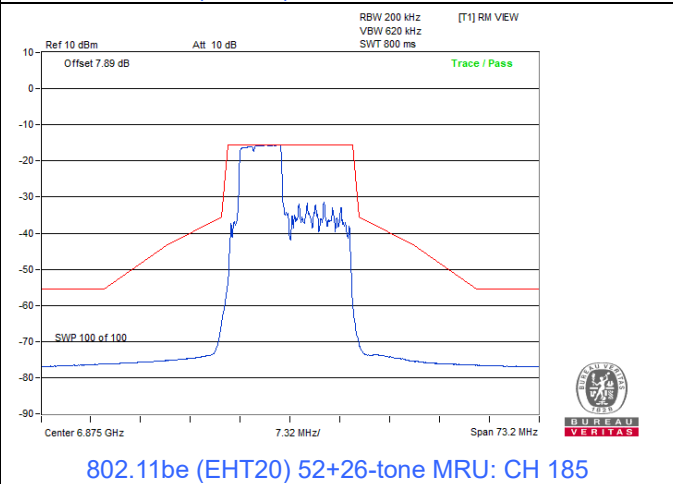
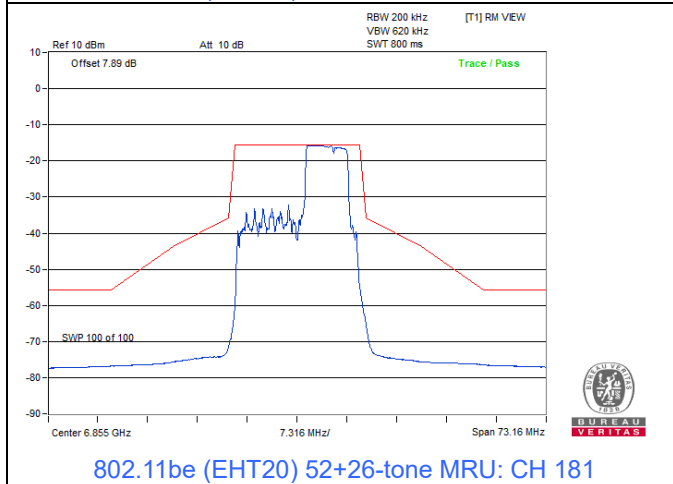
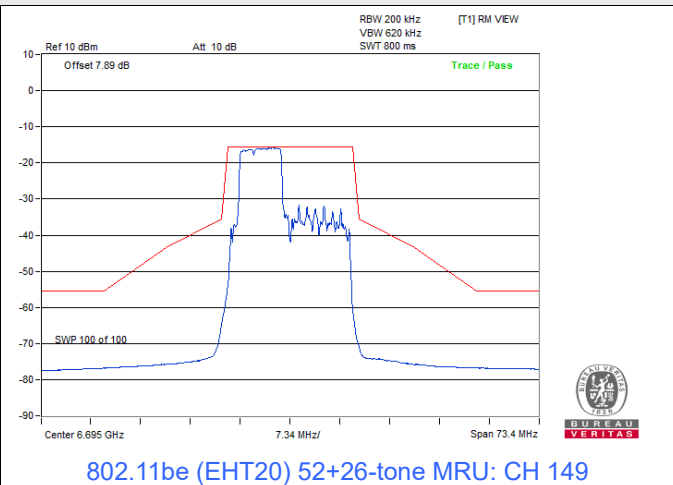
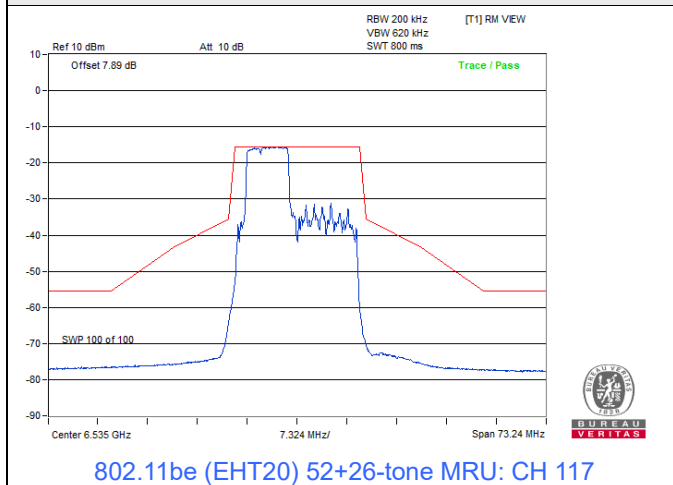
Spectrum Plot



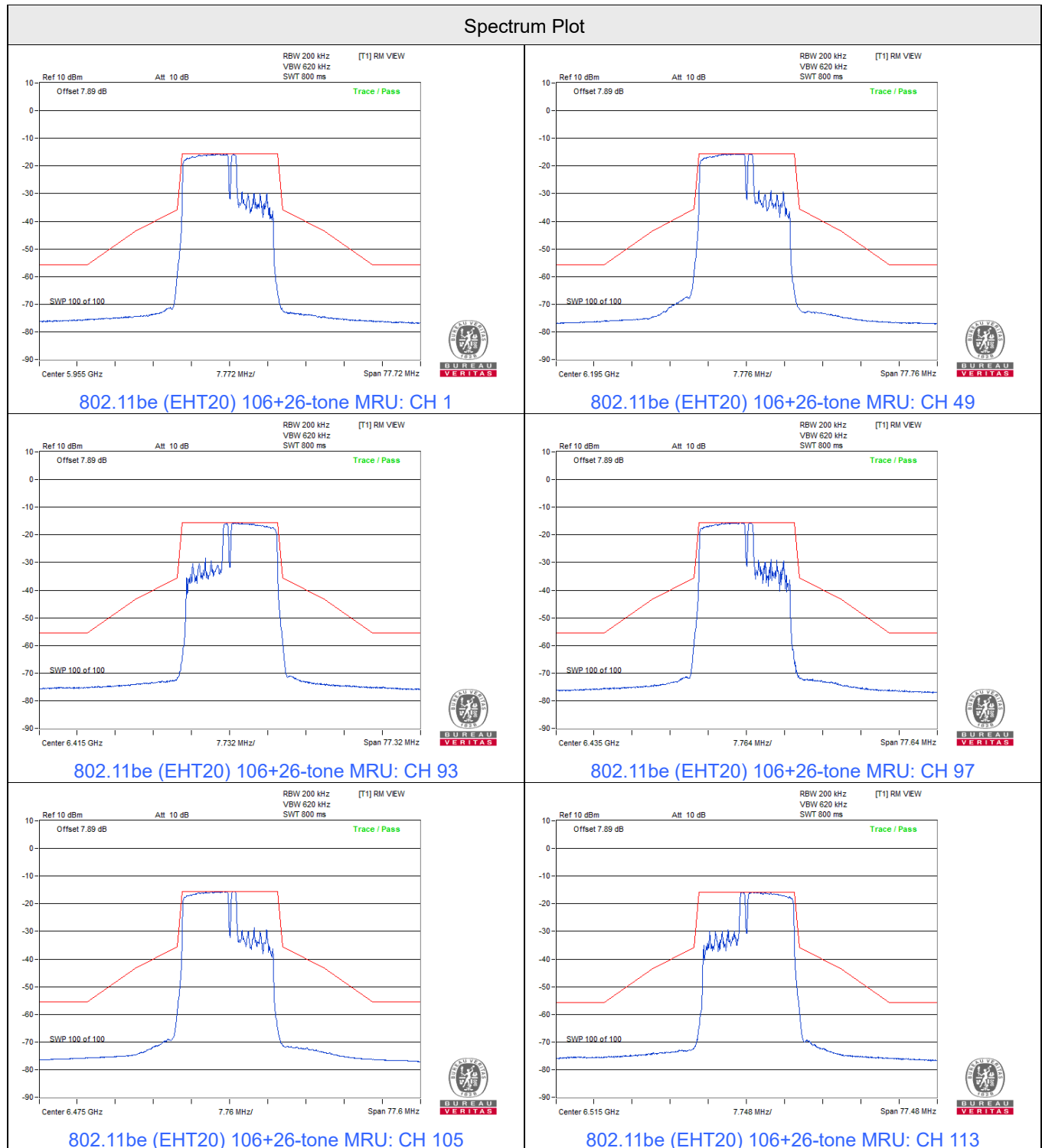
802.11be (EHT20) 52+26-tone MRU



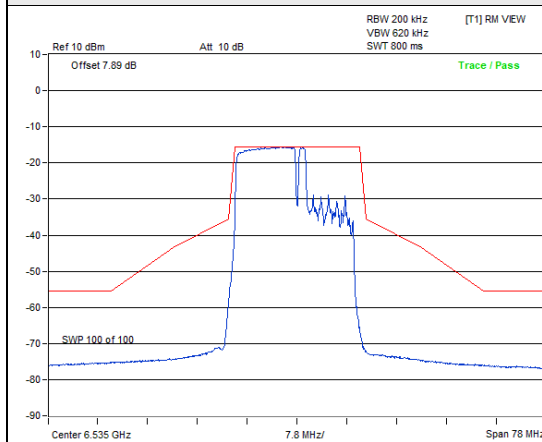
Spectrum Plot



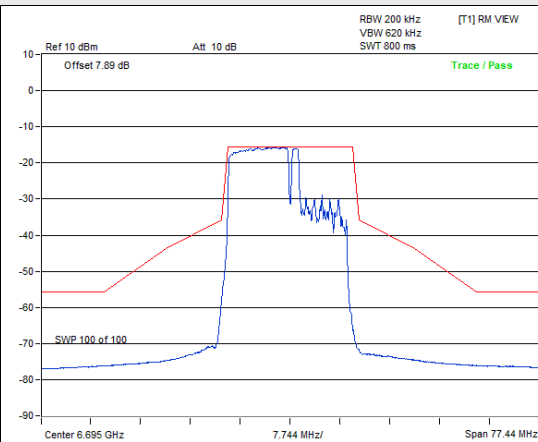
802.11be (EHT20) 106+26-tone MRU



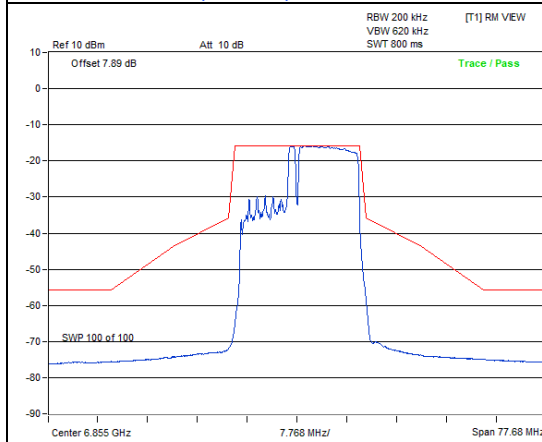
Spectrum Plot



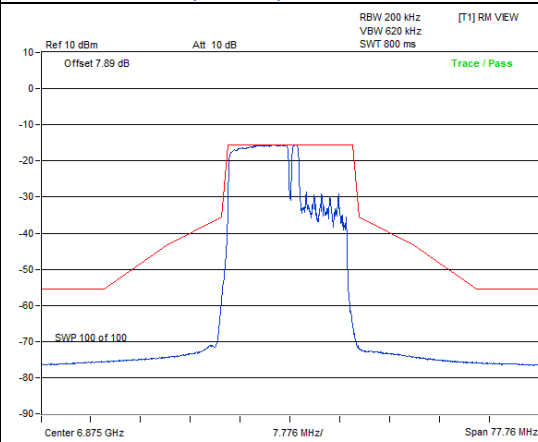
802.11be (EHT20) 106+26-tone MRU: CH 117



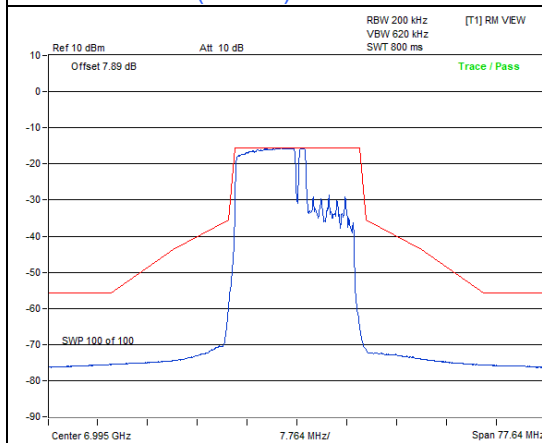
802.11be (EHT20) 106+26-tone MRU: CH 149



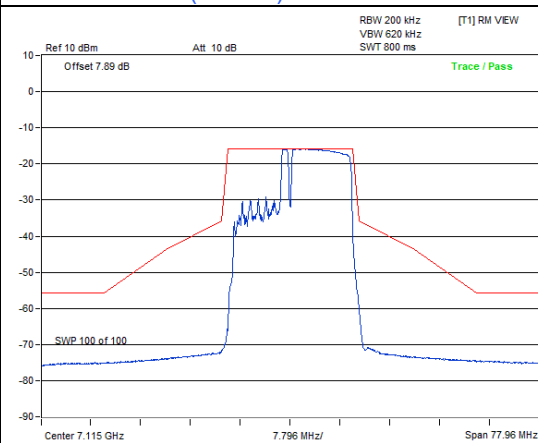
802.11be (EHT20) 106+26-tone MRU: CH 181



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

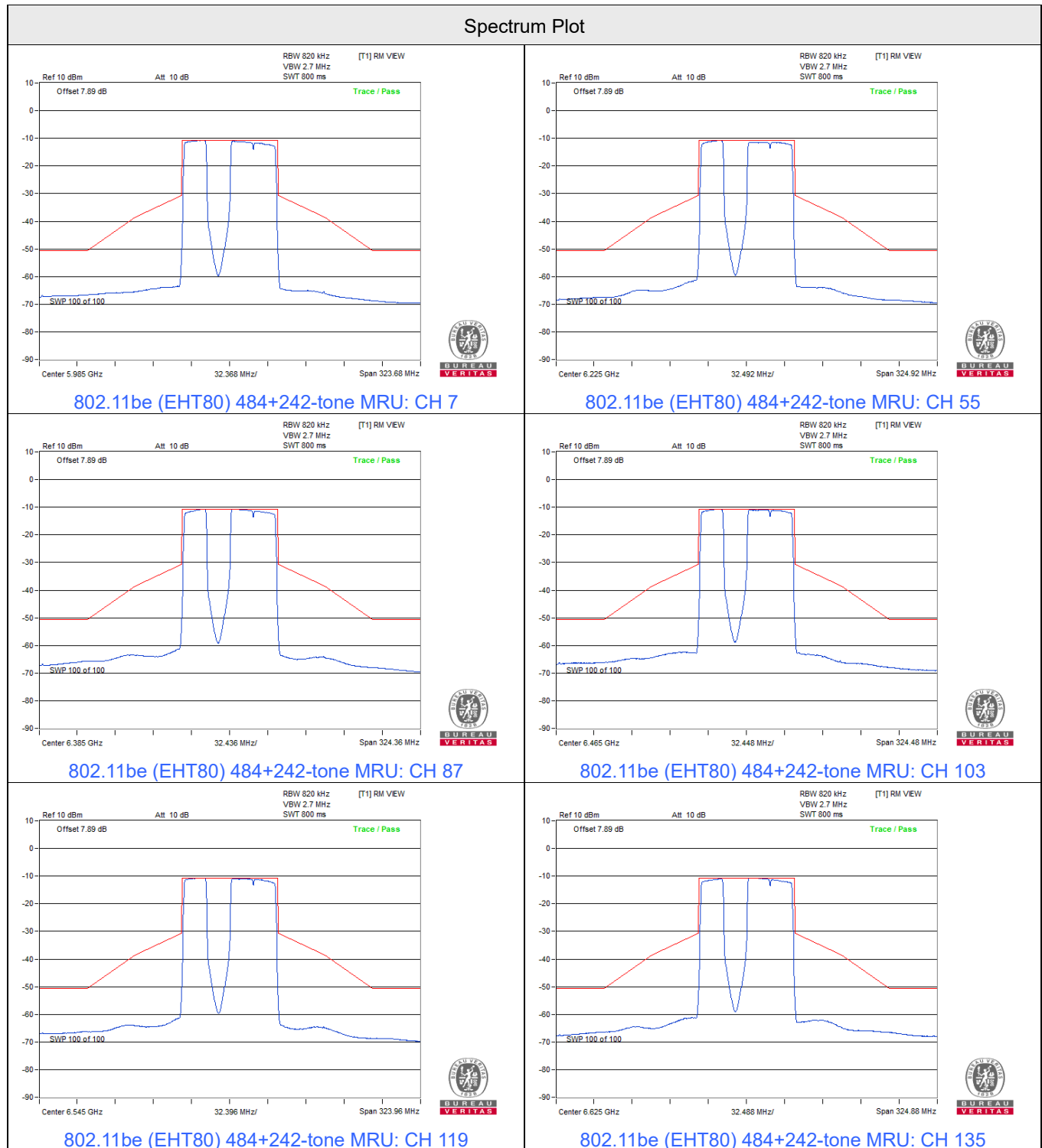


802.11be (EHT20) 106+26-tone MRU: CH 209

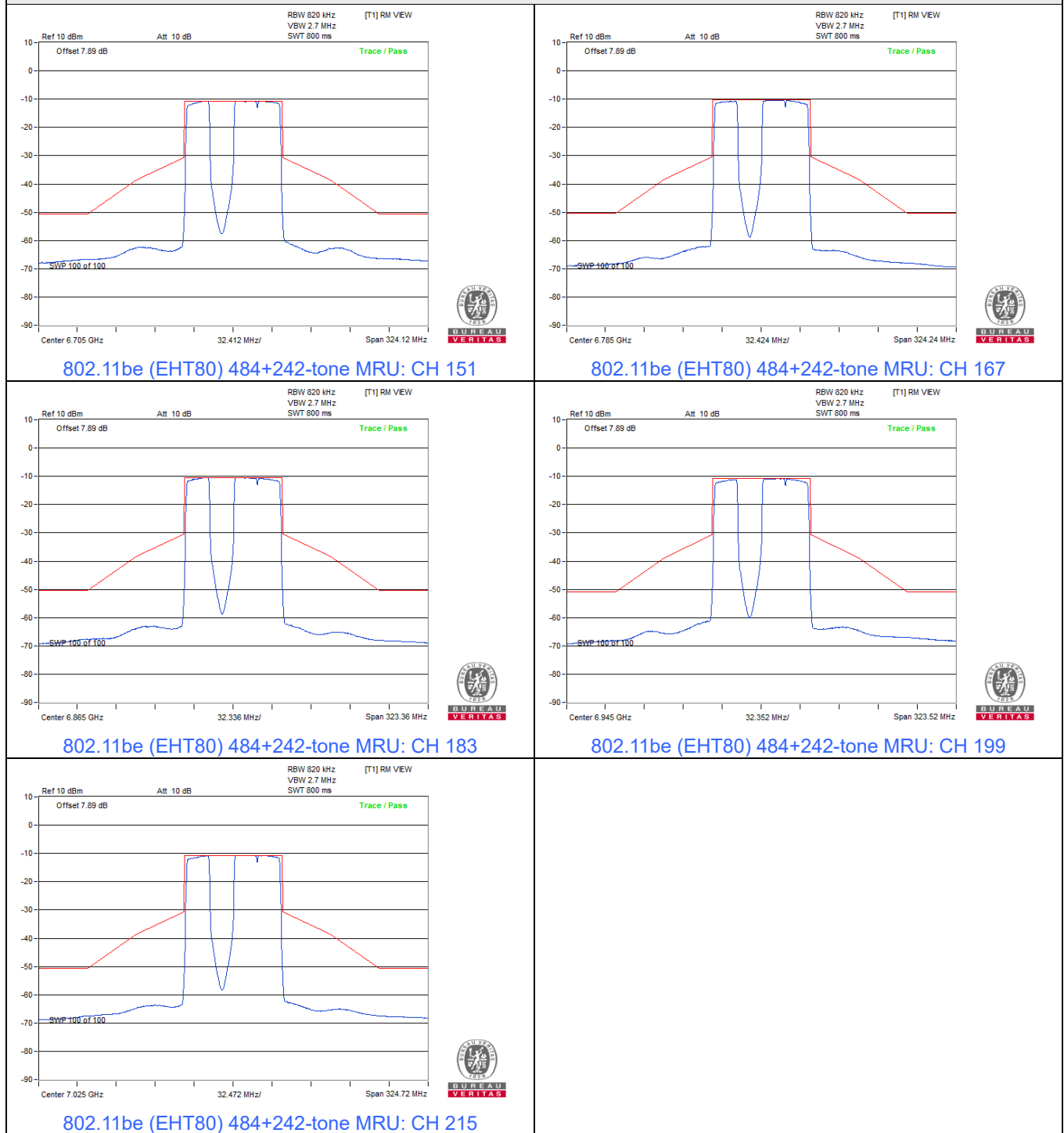


802.11be (EHT20) 106+26-tone MRU: CH 233

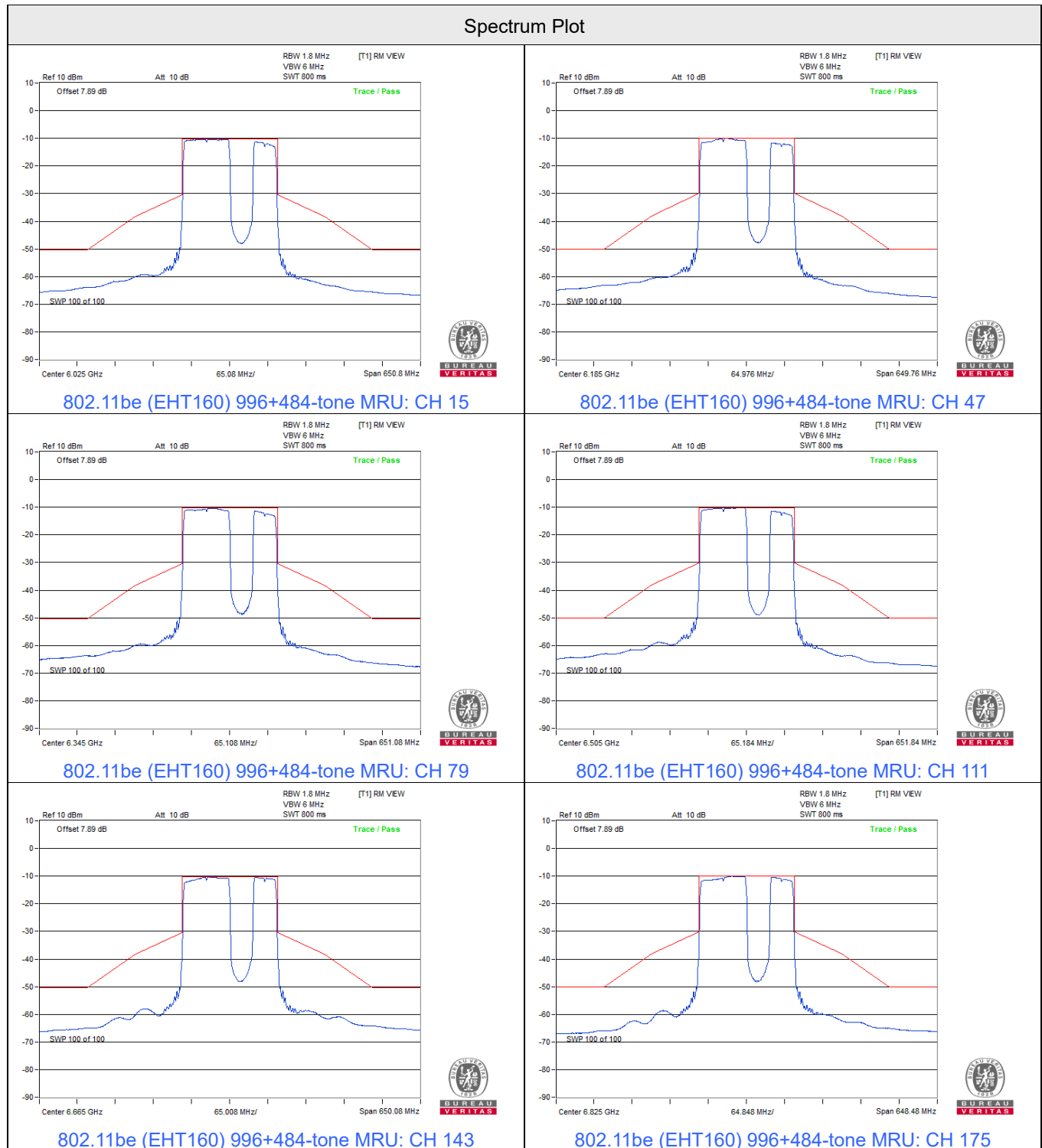
802.11be (EHT80) 484+242-tone MRU



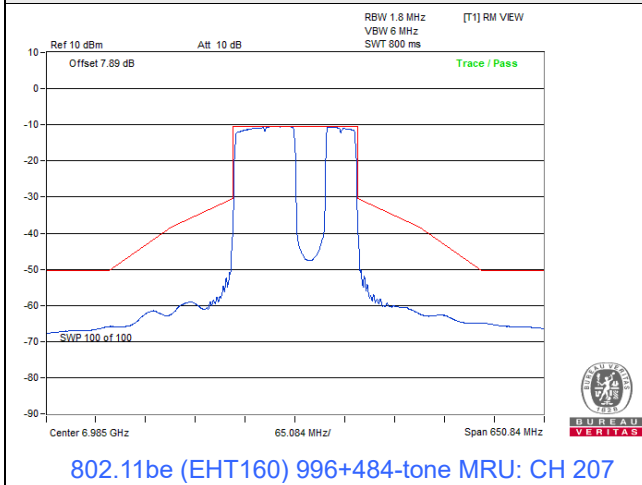
Spectrum Plot



802.11be (EHT160) 996+484-tone MRU

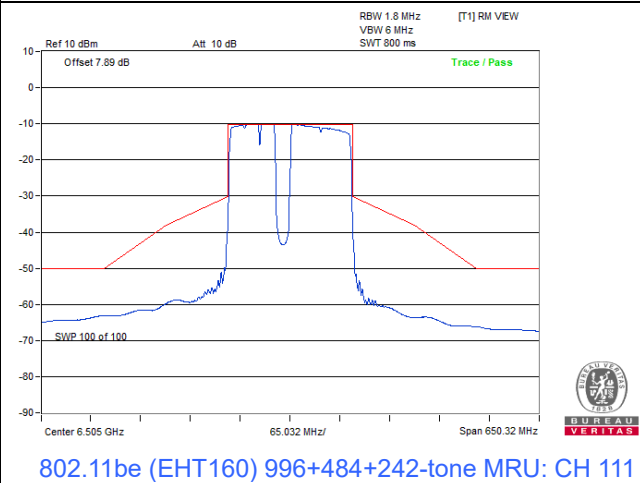
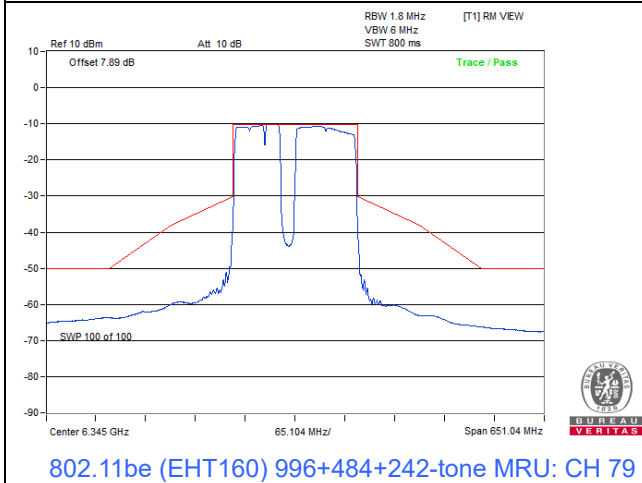
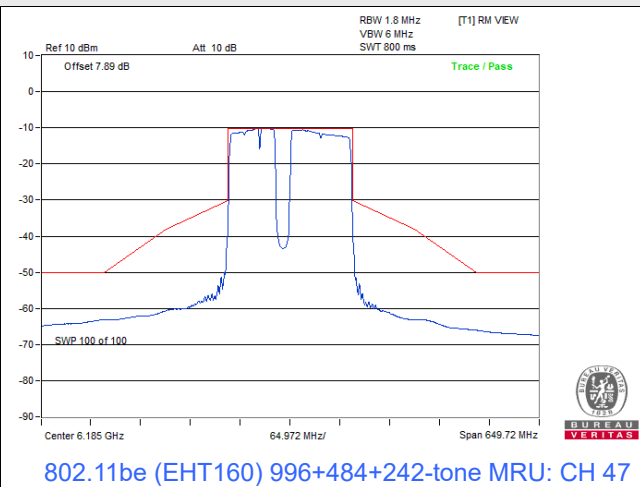
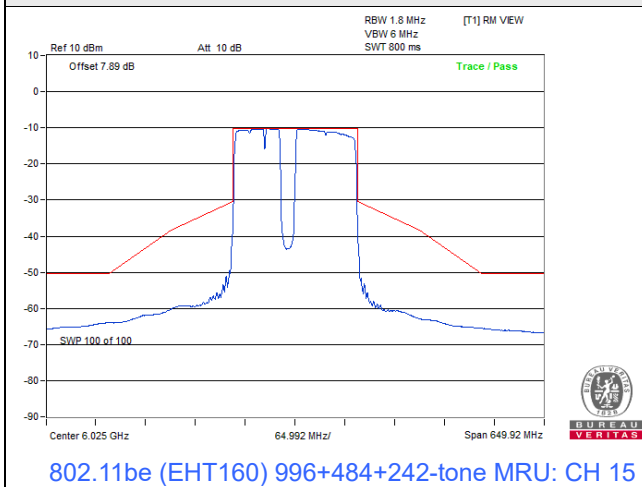


Spectrum Plot

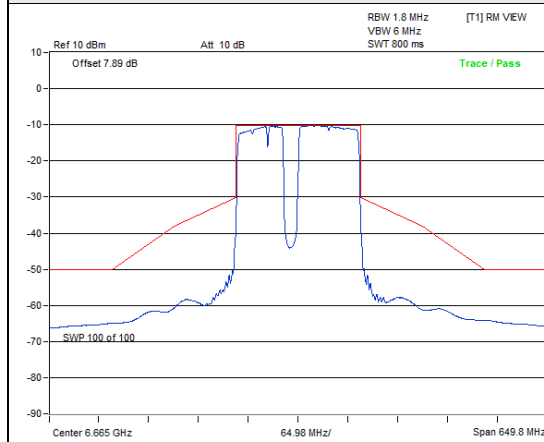


802.11be (EHT160) 996+484+242-tone MRU

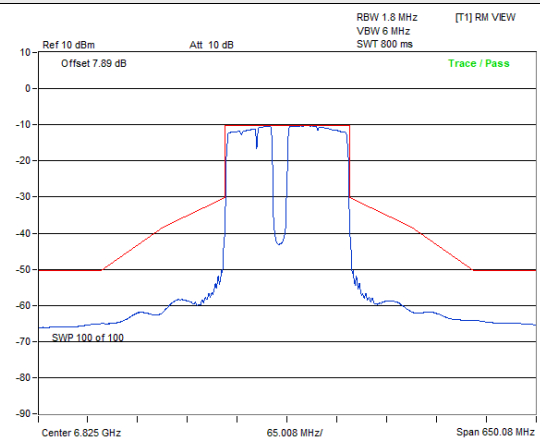
Spectrum Plot



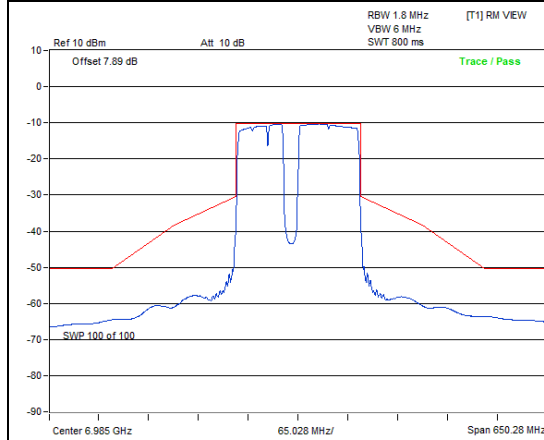
Spectrum Plot



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

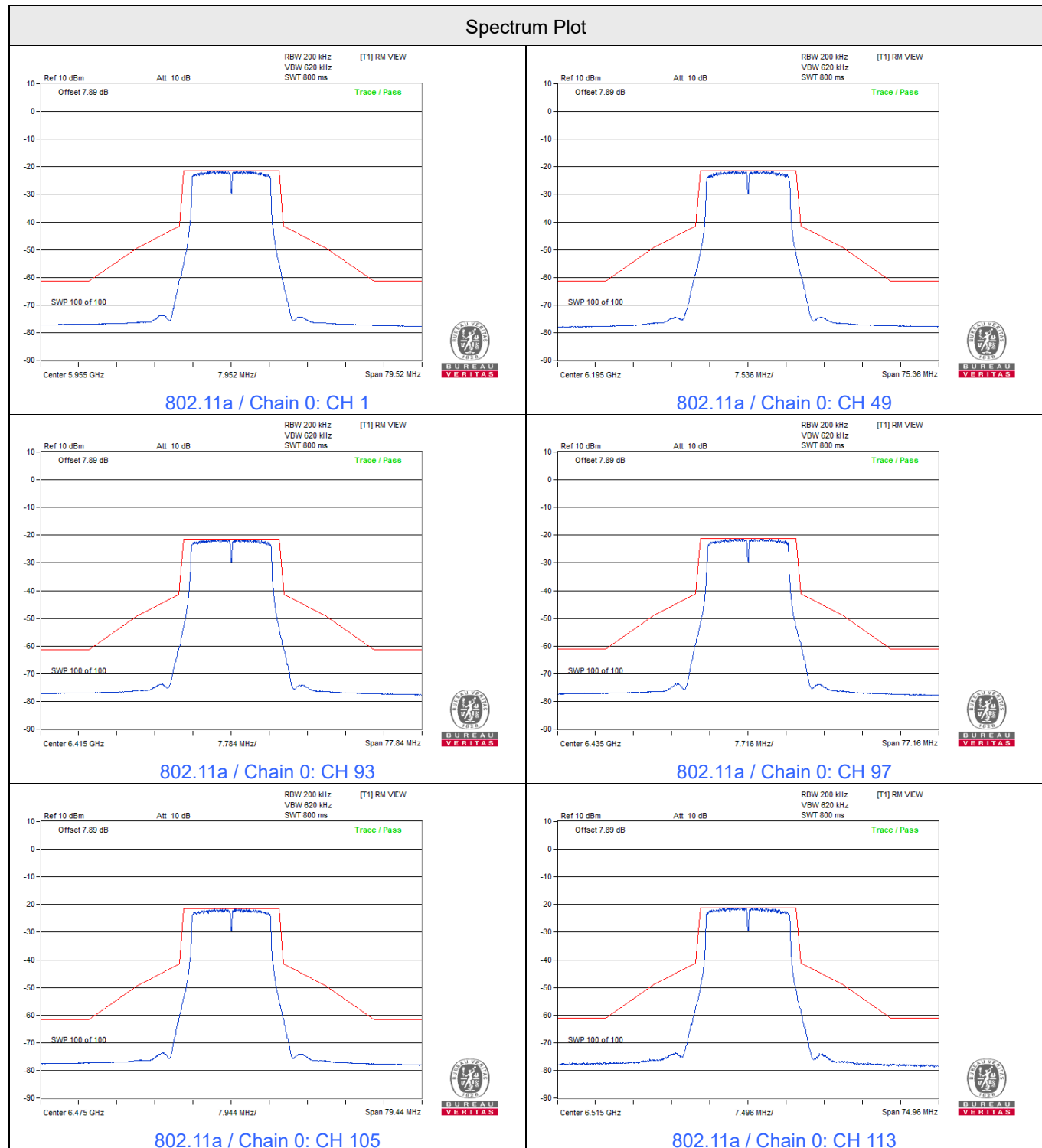


BUREAU
VERITAS

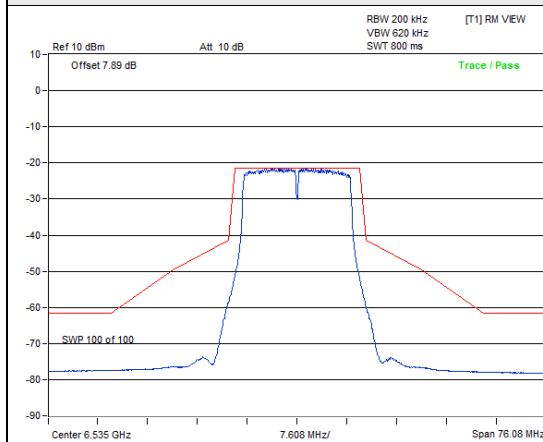
Input Power:	3.3 Vdc	Environmental Conditions:	24°C, 61% RH	Tested By:	Katina Lu
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VLP 2Tx

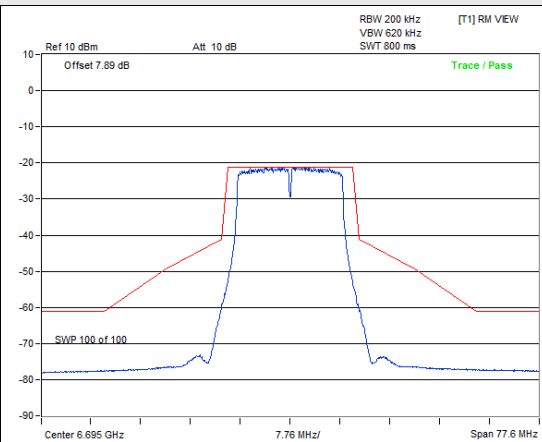
802.11a



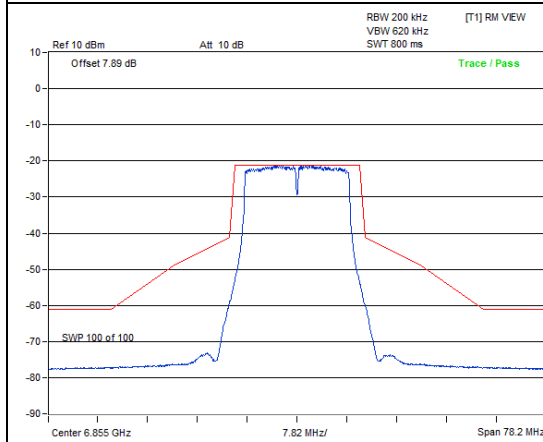
Spectrum Plot



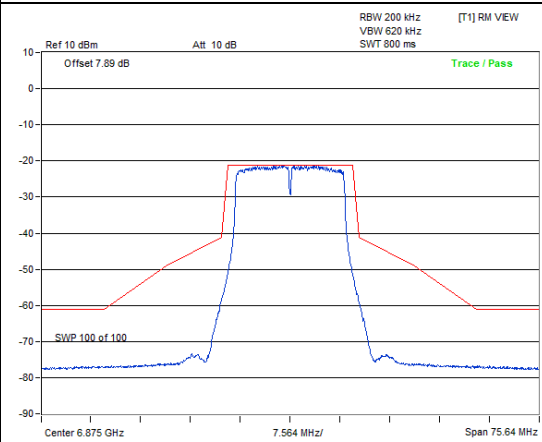
802.11a / Chain 0: CH 117



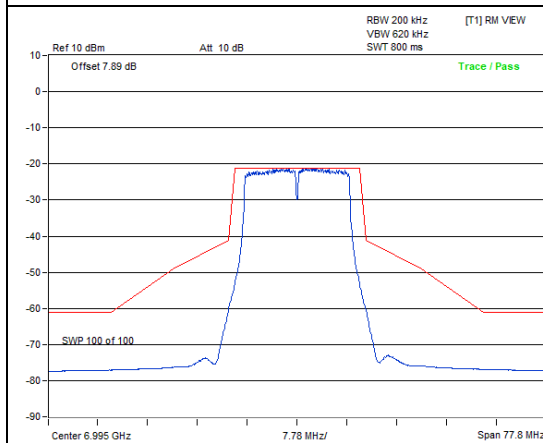
802.11a / Chain 0: CH 149



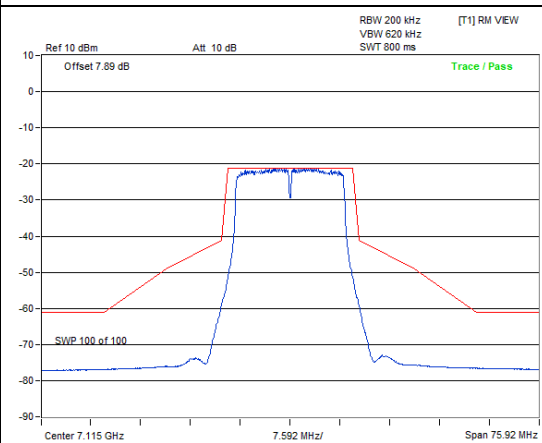
802.11a / Chain 0: CH 181



802.11a / Chain 0: CH 185

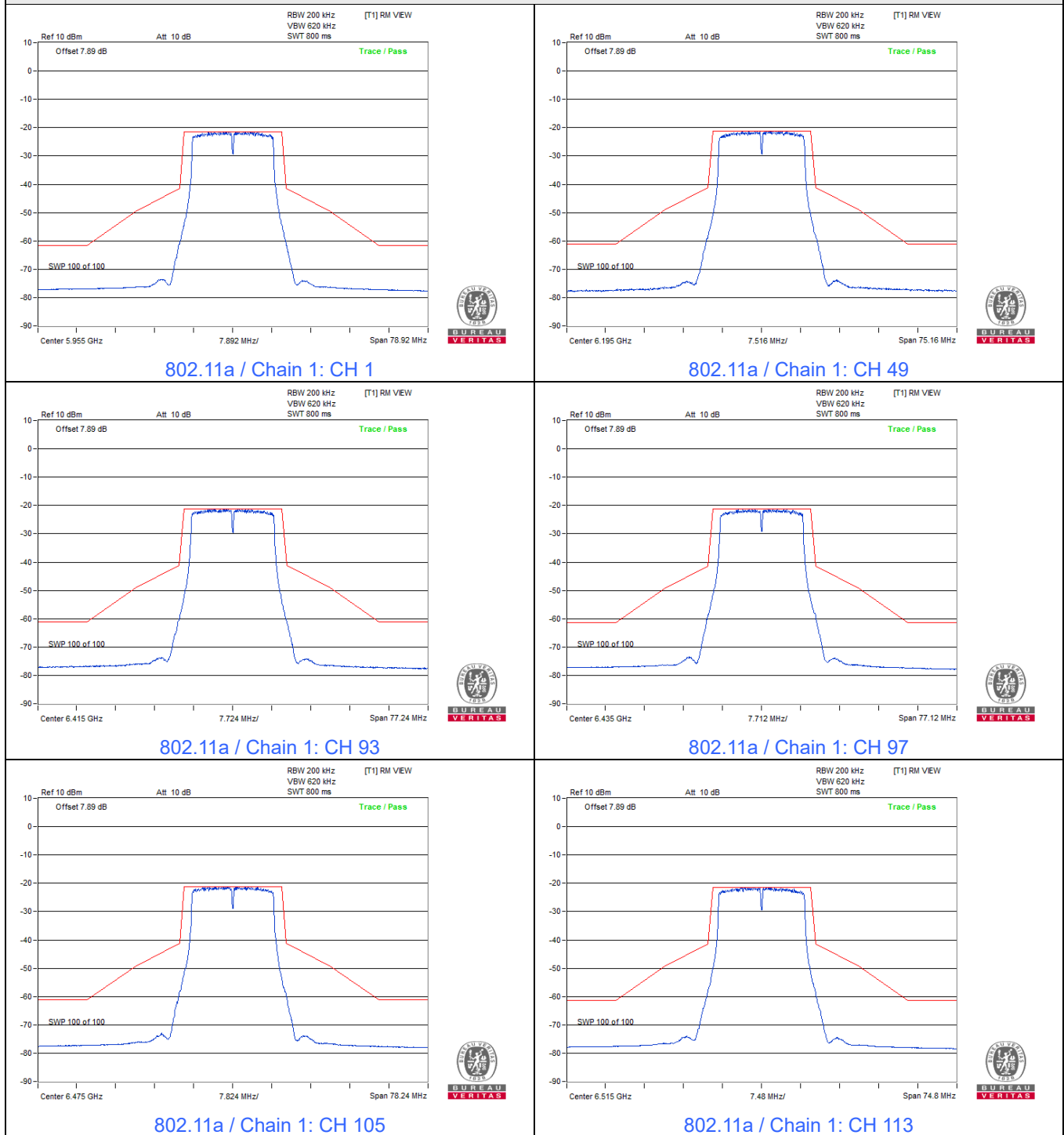


802.11a / Chain 0: CH 209

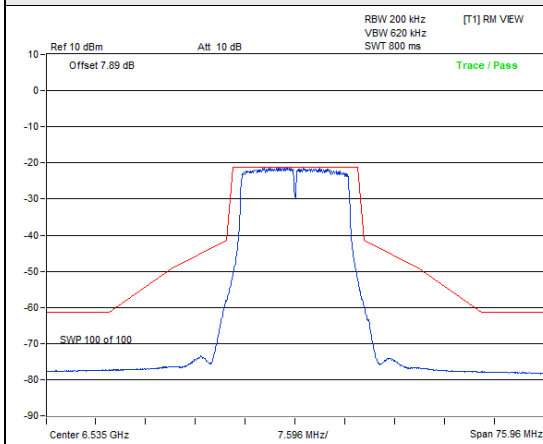


802.11a / Chain 0: CH 233

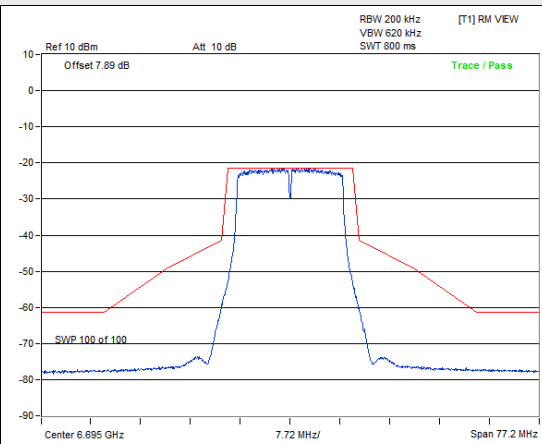
Spectrum Plot



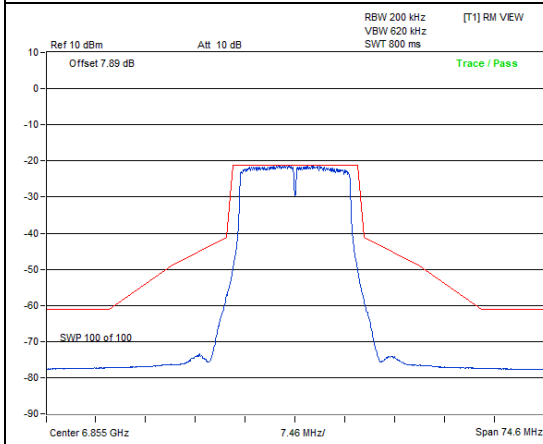
Spectrum Plot



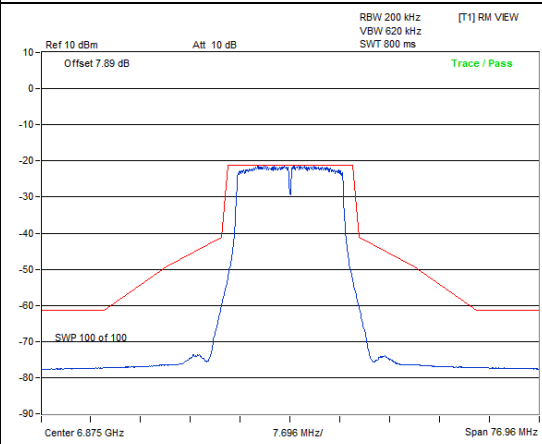
802.11a / Chain 1: CH 117



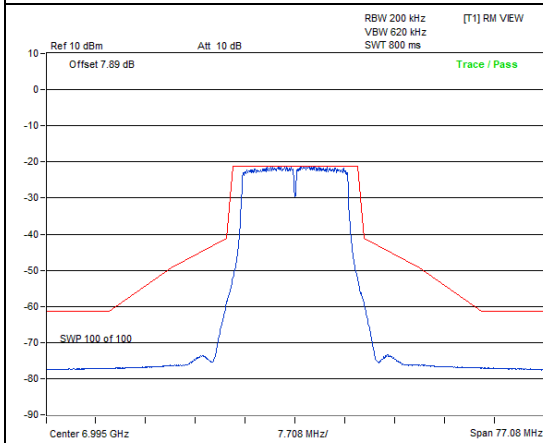
802.11a / Chain 1: CH 149



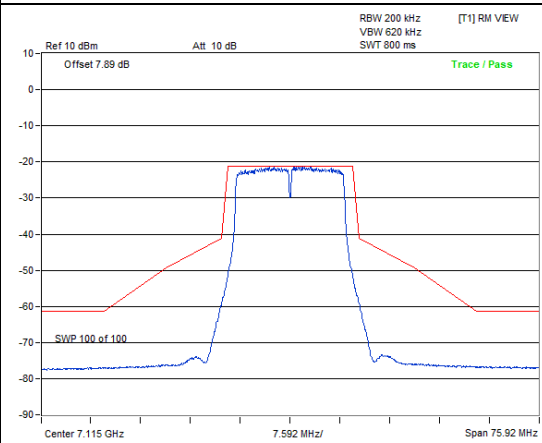
802.11a / Chain 1: CH 181



802.11a / Chain 1: CH 185



802.11a / Chain 1: CH 209

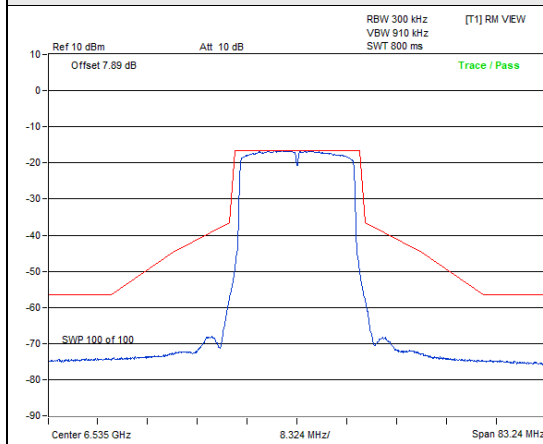


802.11a / Chain 1: CH 233

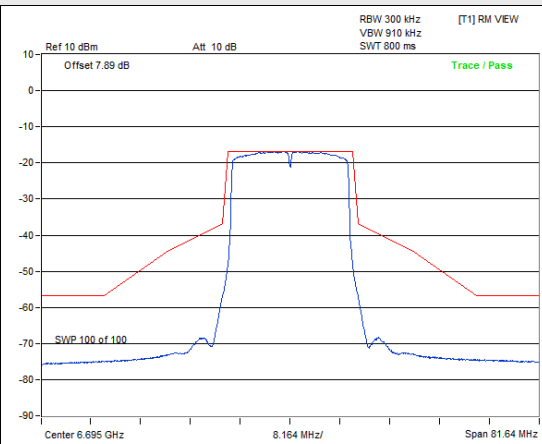
802.11be (EHT20)



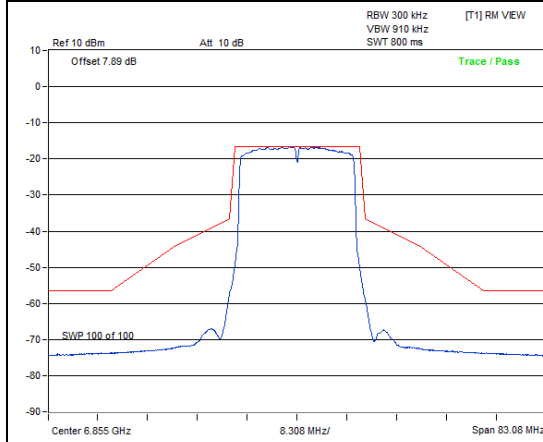
Spectrum Plot



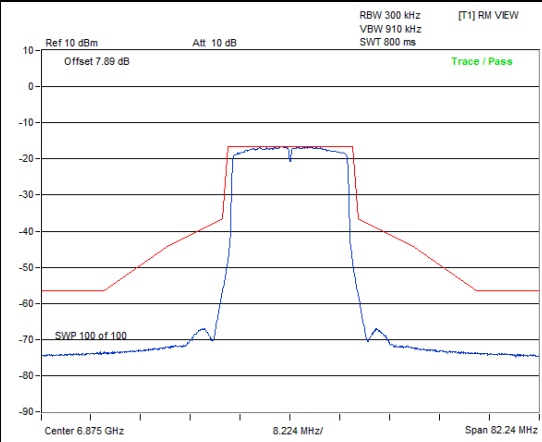
802.11be (EHT20) / Chain 0: CH 117



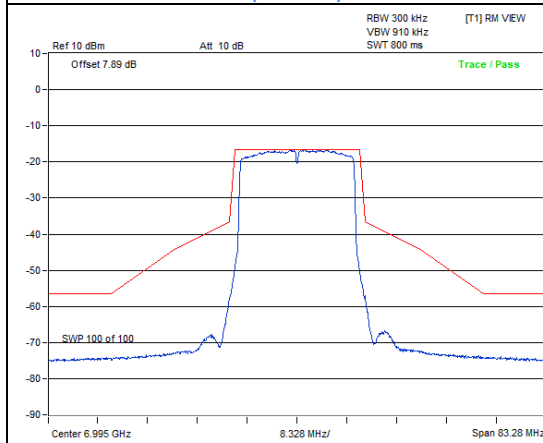
802.11be (EHT20) / Chain 0: CH 149



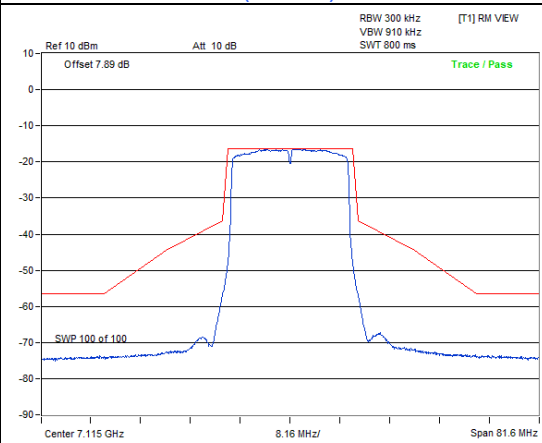
802.11be (EHT20) / Chain 0: CH 181



802.11be (EHT20) / Chain 0: CH 185

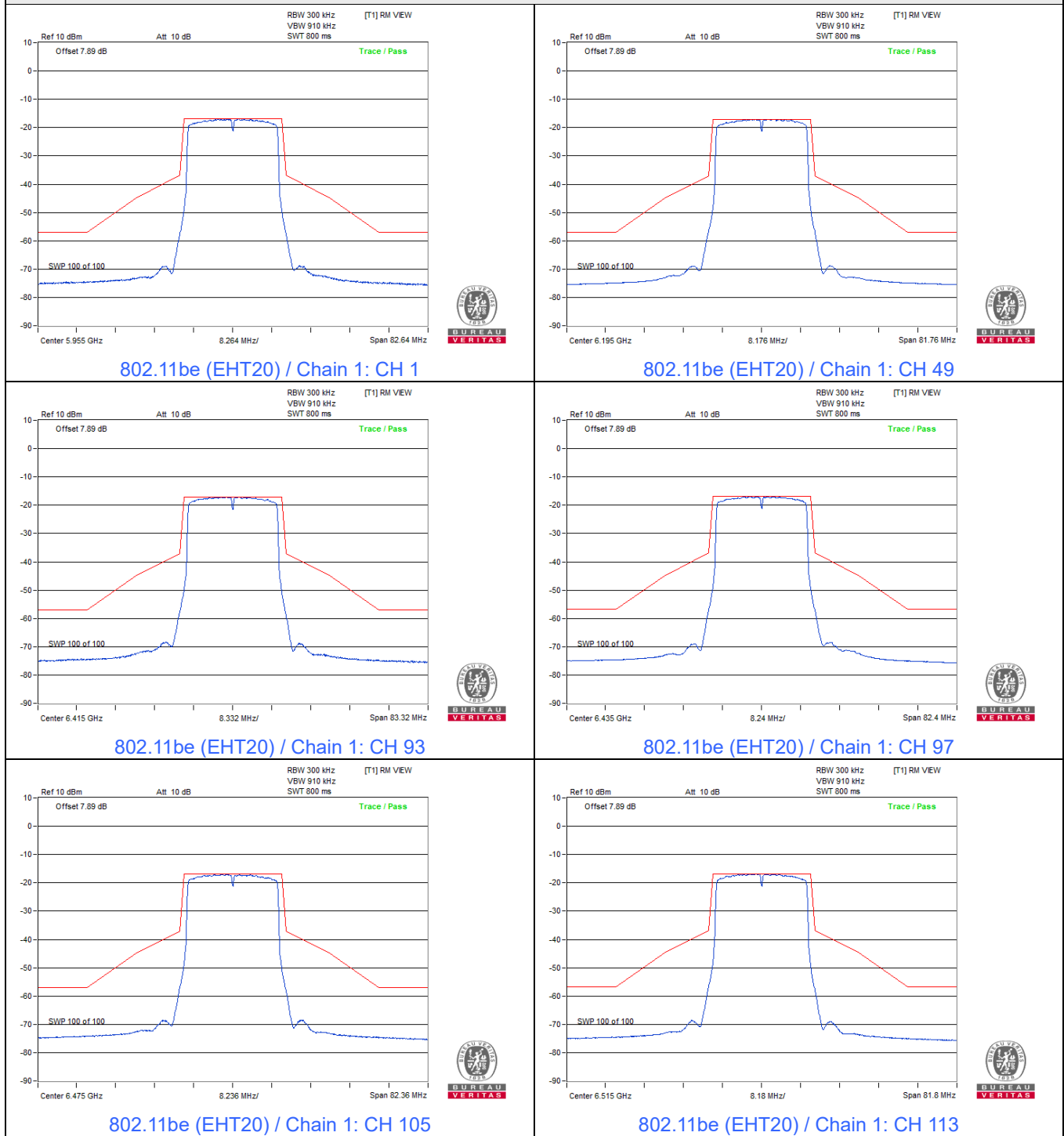


802.11be (EHT20) / Chain 0: CH 209

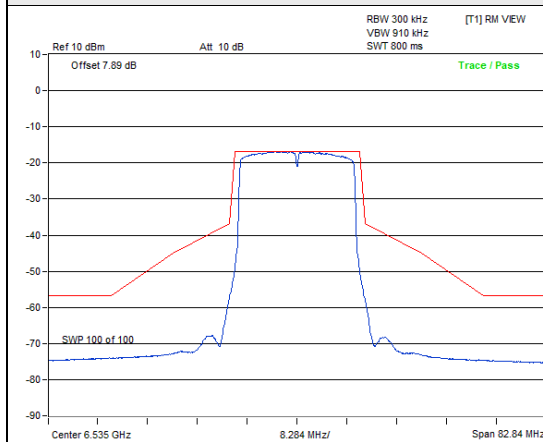


802.11be (EHT20) / Chain 0: CH 233

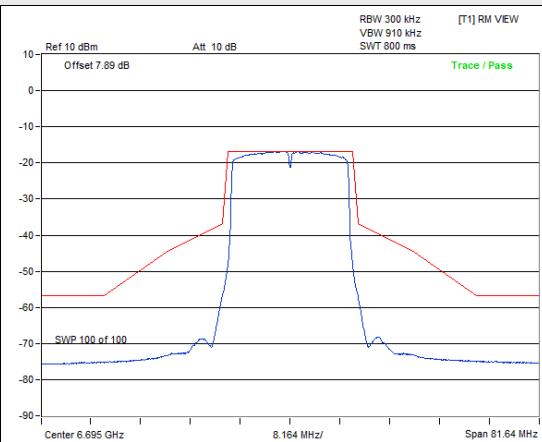
Spectrum Plot



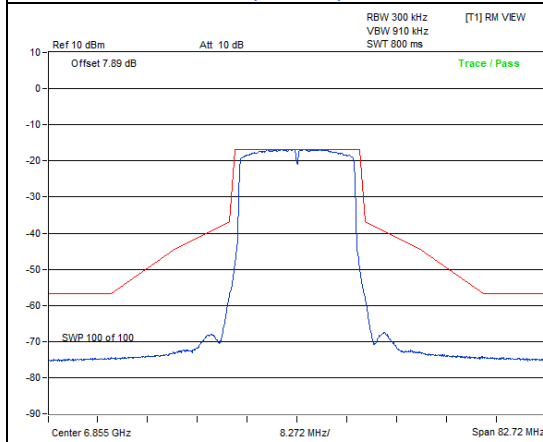
Spectrum Plot



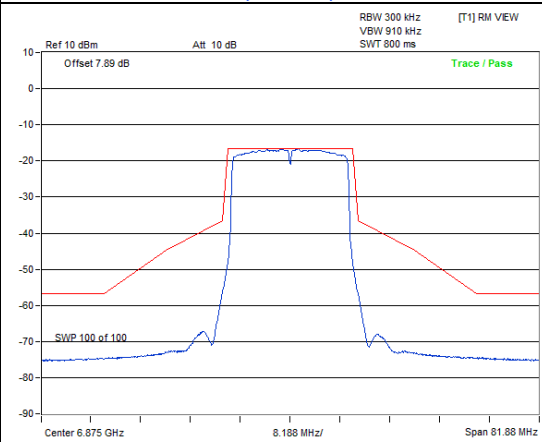
802.11be (EHT20) / Chain 1: CH 117



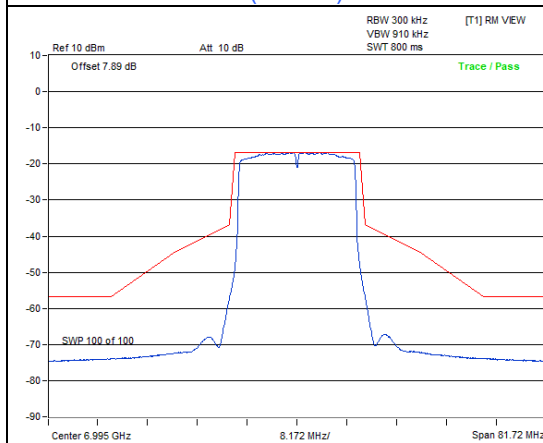
802.11be (EHT20) / Chain 1: CH 149



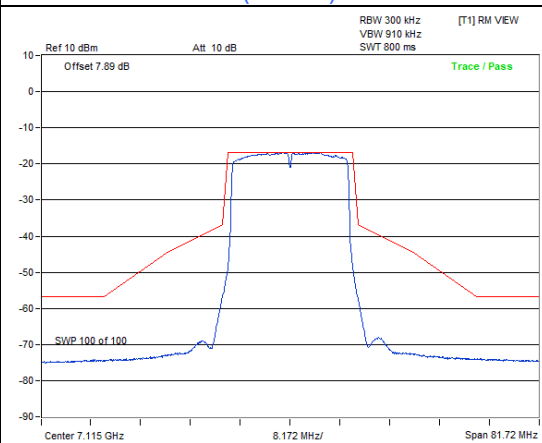
802.11be (EHT20) / Chain 1: CH 181



802.11be (EHT20) / Chain 1: CH 185

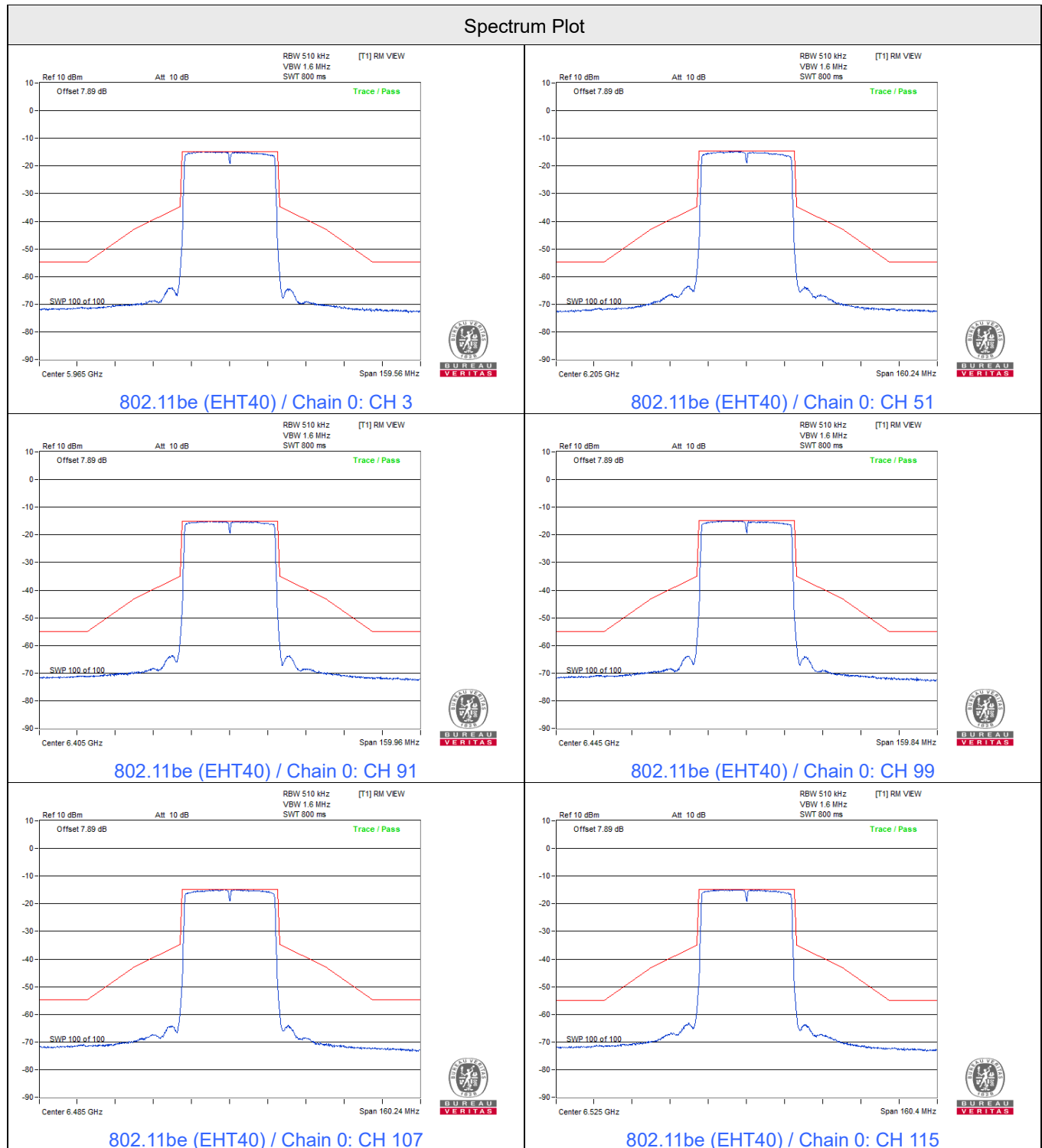


802.11be (EHT20) / Chain 1: CH 209

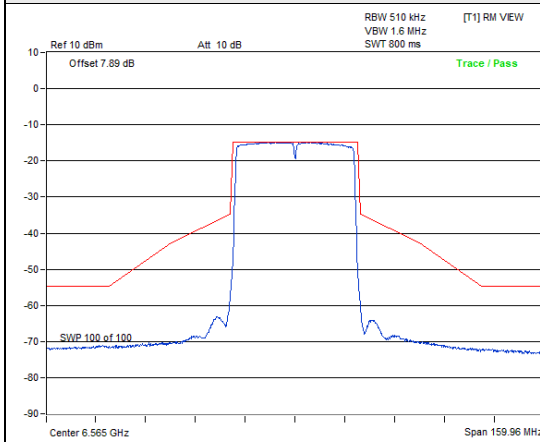


802.11be (EHT20) / Chain 1: CH 233

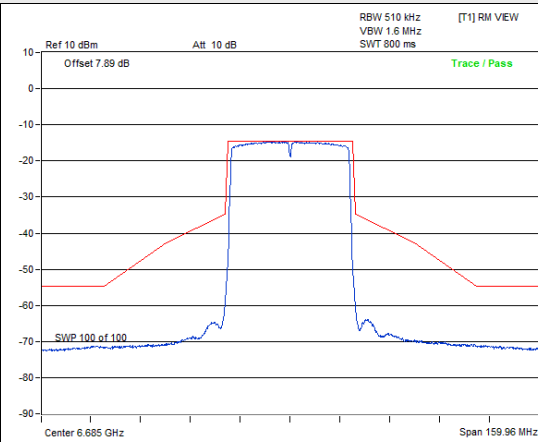
802.11be (EHT40)



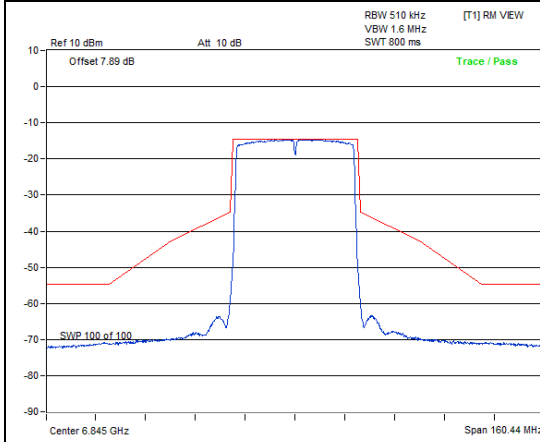
Spectrum Plot



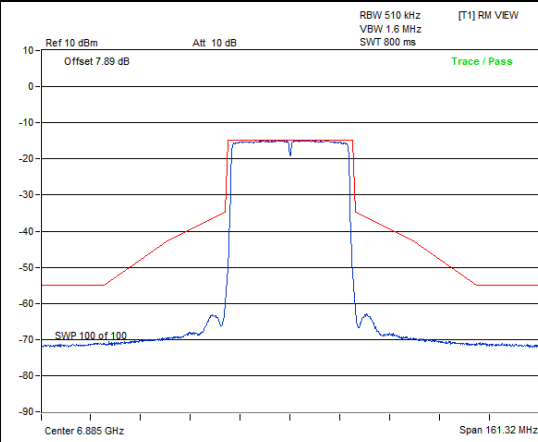
802.11be (EHT40) / Chain 0: CH 123



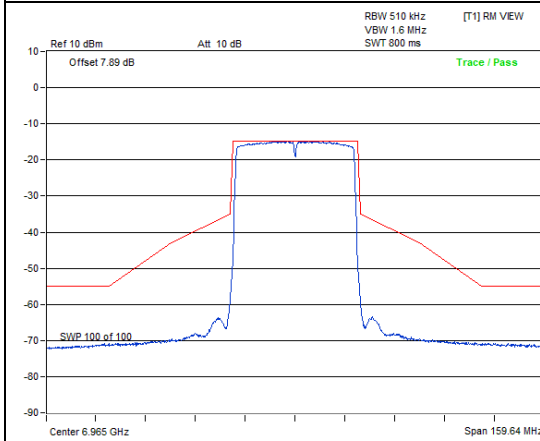
802.11be (EHT40) / Chain 0: CH 147



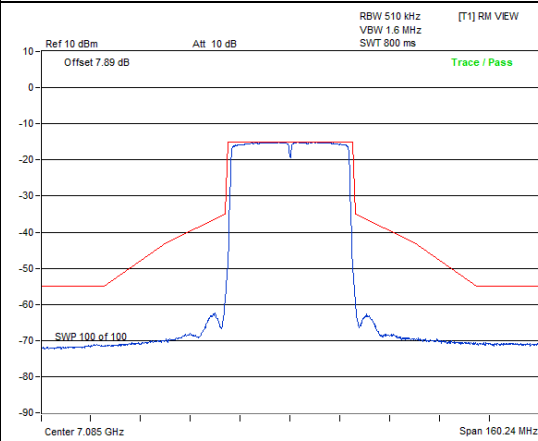
802.11be (EHT40) / Chain 0: CH 179



802.11be (EHT40) / Chain 0: CH 187

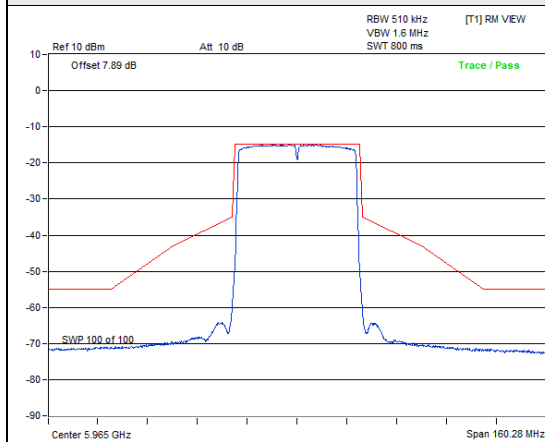


802.11be (EHT40) / Chain 0: CH 203

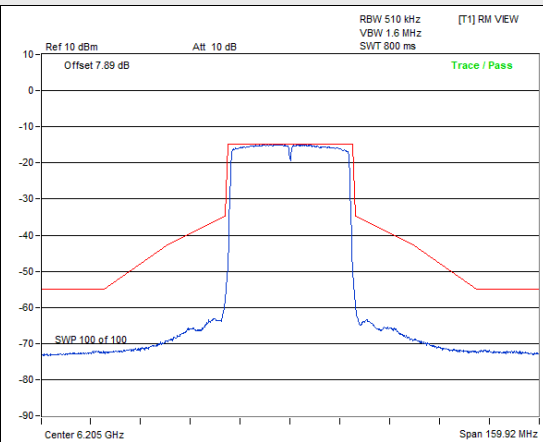


802.11be (EHT40) / Chain 0: CH 227

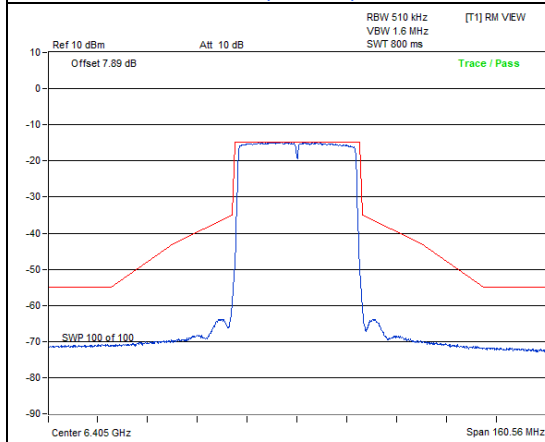
Spectrum Plot



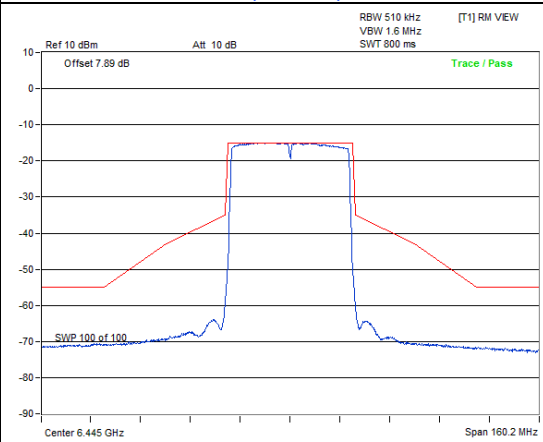
802.11be (EHT40) / Chain 1: CH 3



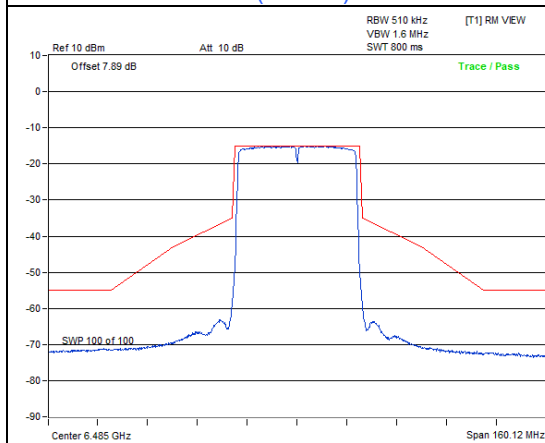
802.11be (EHT40) / Chain 1: CH 51



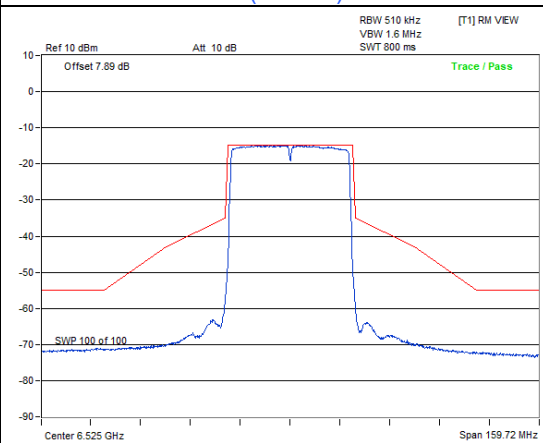
802.11be (EHT40) / Chain 1: CH 91



802.11be (EHT40) / Chain 1: CH 99

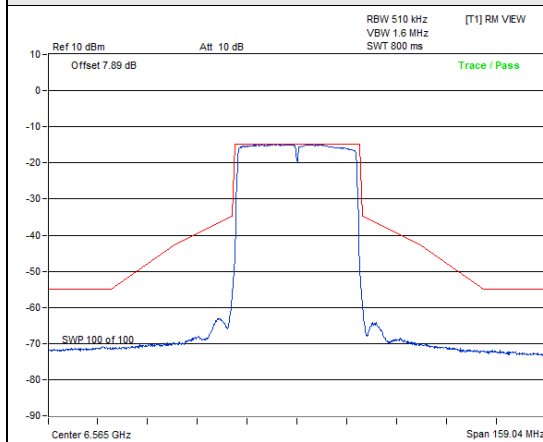


802.11be (EHT40) / Chain 1: CH 107

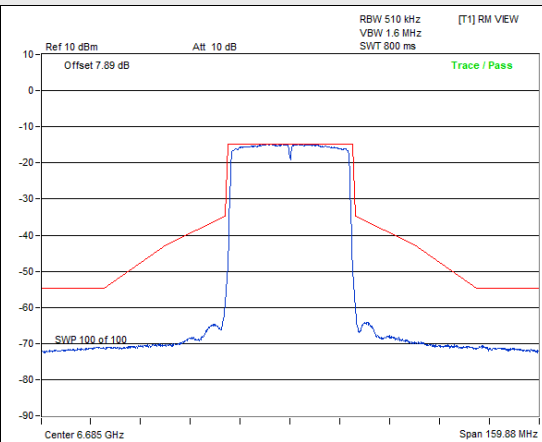


802.11be (EHT40) / Chain 1: CH 115

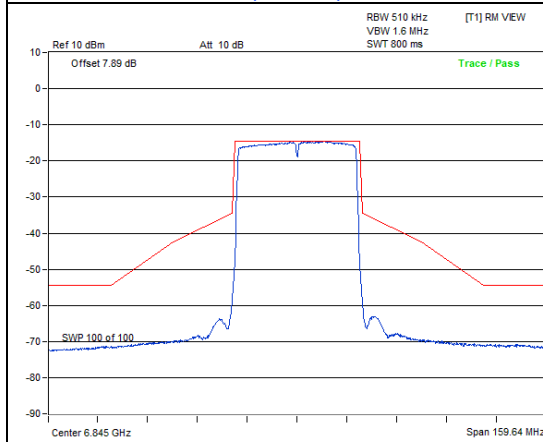
Spectrum Plot



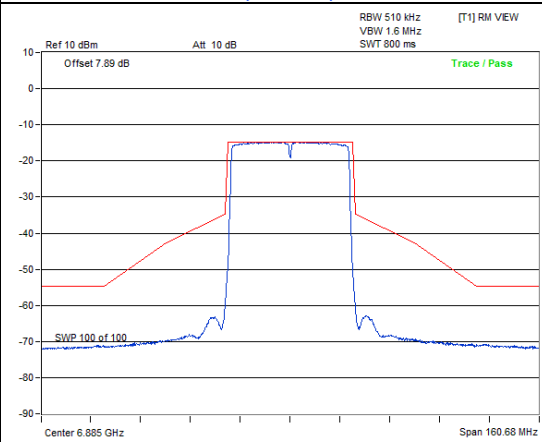
802.11be (EHT40) / Chain 1: CH 123



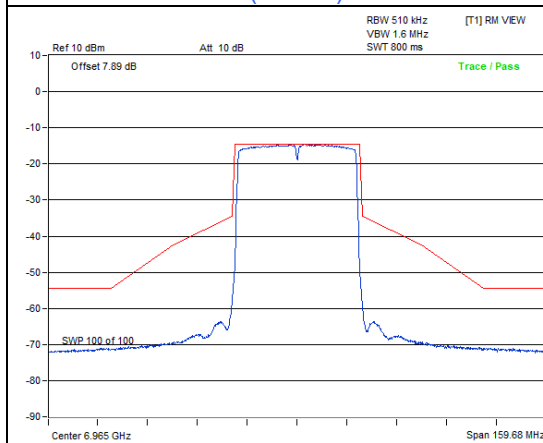
802.11be (EHT40) / Chain 1: CH 147



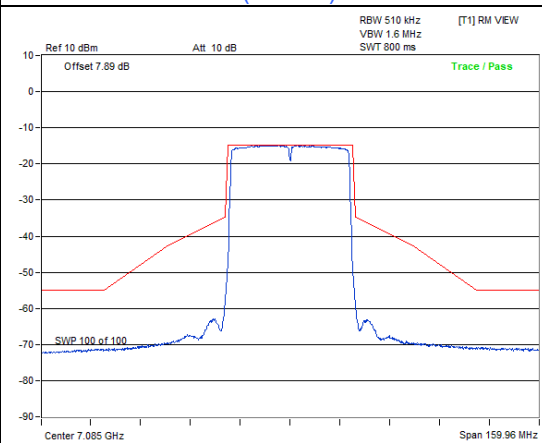
802.11be (EHT40) / Chain 1: CH 179



802.11be (EHT40) / Chain 1: CH 187



802.11be (EHT40) / Chain 1: CH 203

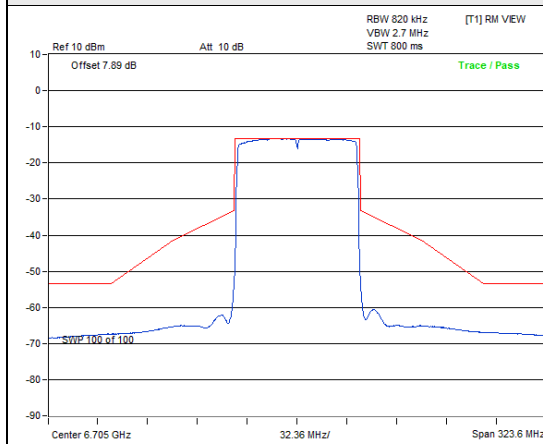


802.11be (EHT40) / Chain 1: CH 227

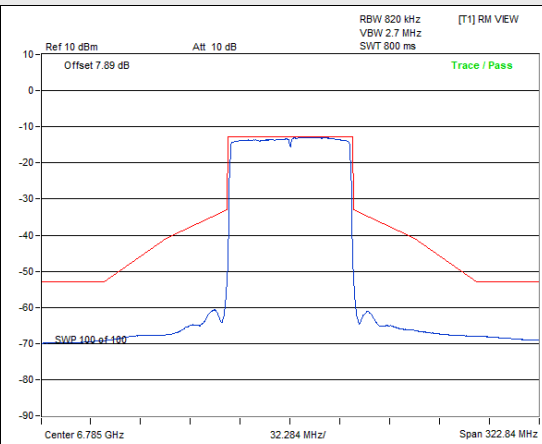
802.11be (EHT80)



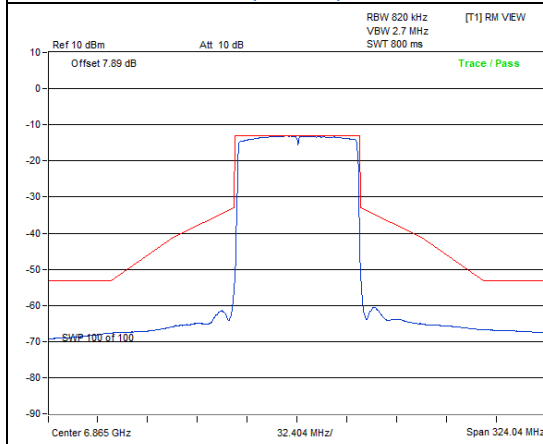
Spectrum Plot



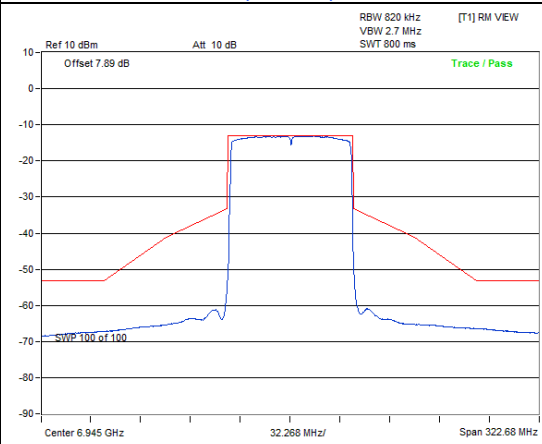
802.11be (EHT80) / Chain 0: CH 151



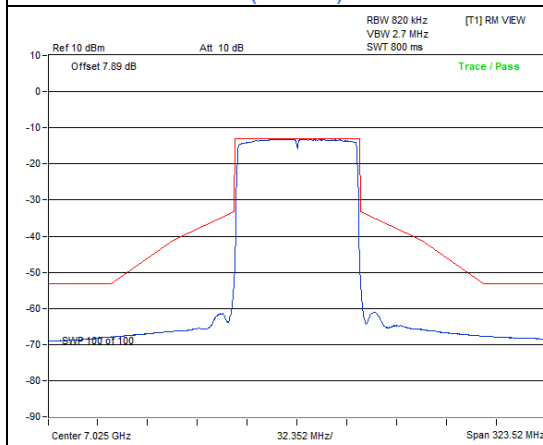
802.11be (EHT80) / Chain 0: CH 167



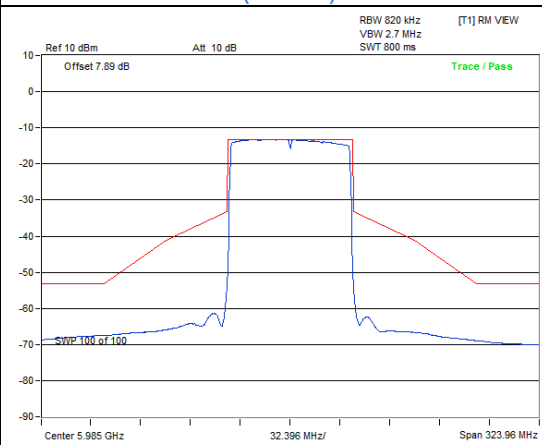
802.11be (EHT80) / Chain 0: CH 183



802.11be (EHT80) / Chain 0: CH 199

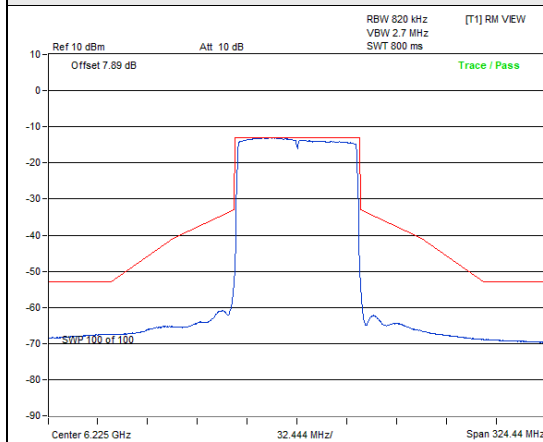


802.11be (EHT80) / Chain 0: CH 215

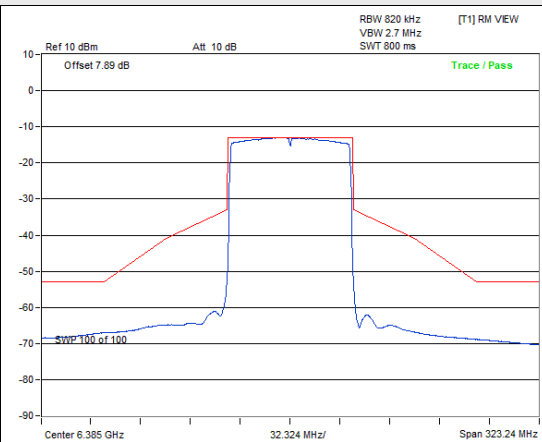


802.11be (EHT80) / Chain 1: CH 7

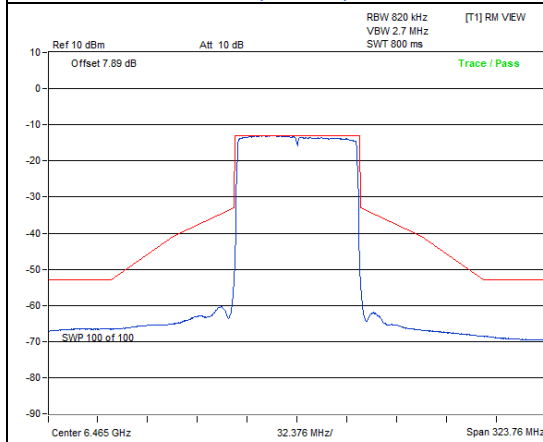
Spectrum Plot



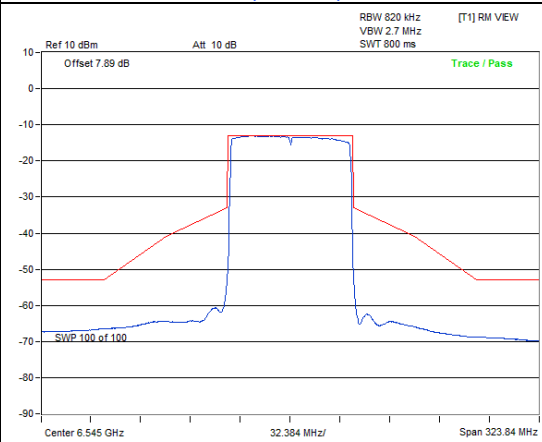
802.11be (EHT80) / Chain 1: CH 55



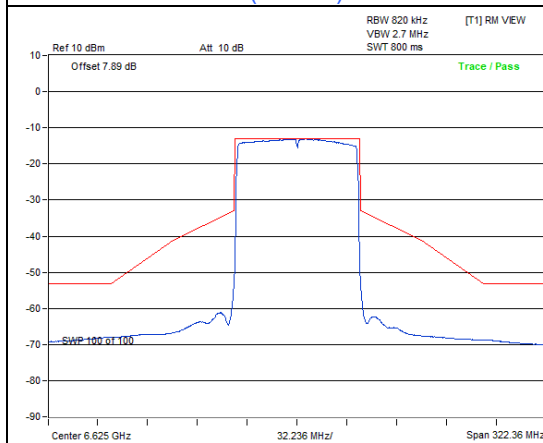
802.11be (EHT80) / Chain 1: CH 87



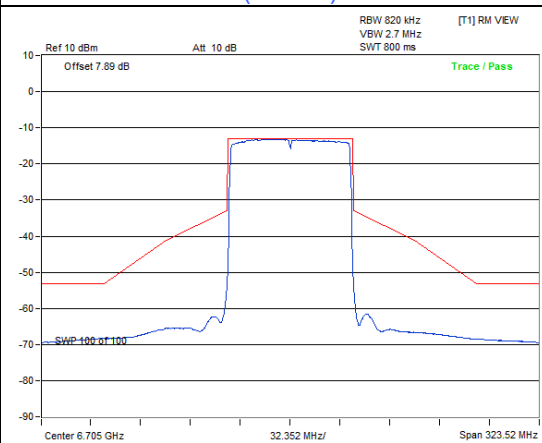
802.11be (EHT80) / Chain 1: CH 103



802.11be (EHT80) / Chain 1: CH 119

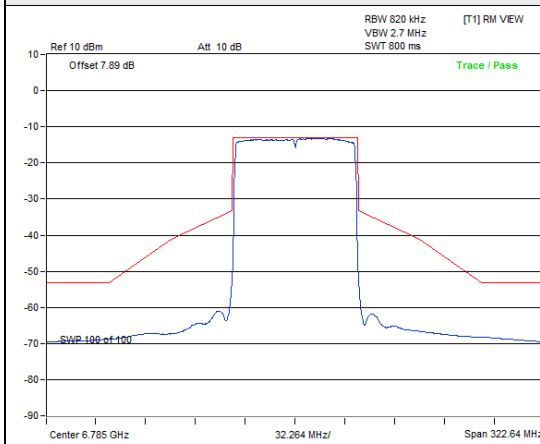


802.11be (EHT80) / Chain 1: CH 135

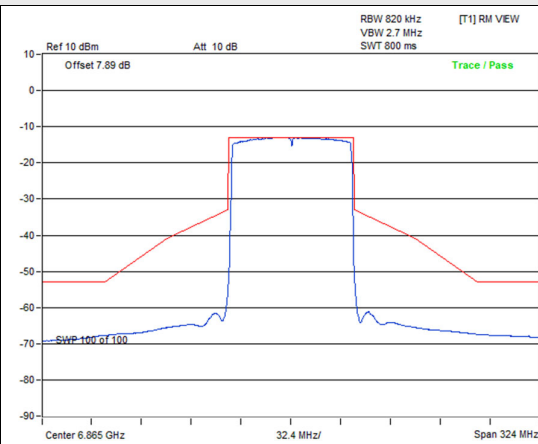


802.11be (EHT80) / Chain 1: CH 151

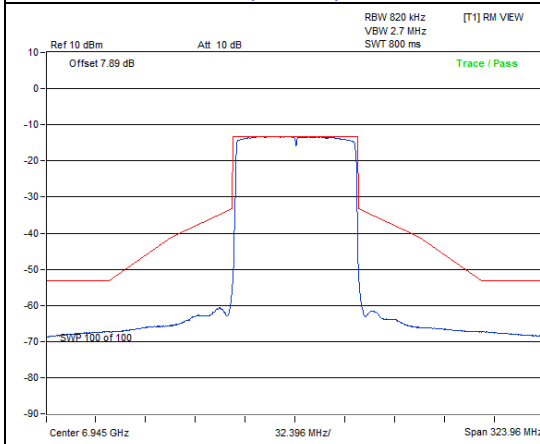
Spectrum Plot



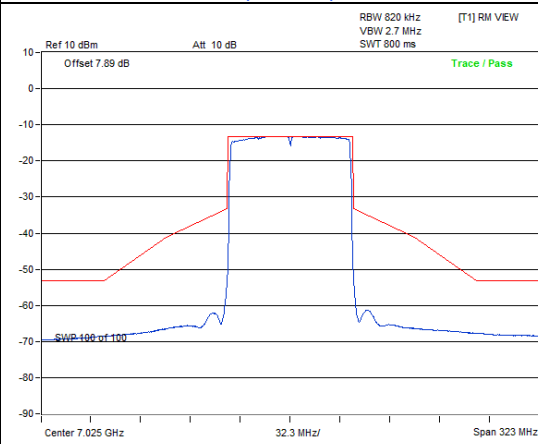
802.11be (EHT80) / Chain 1: CH 167



802.11be (EHT80) / Chain 1: CH 183



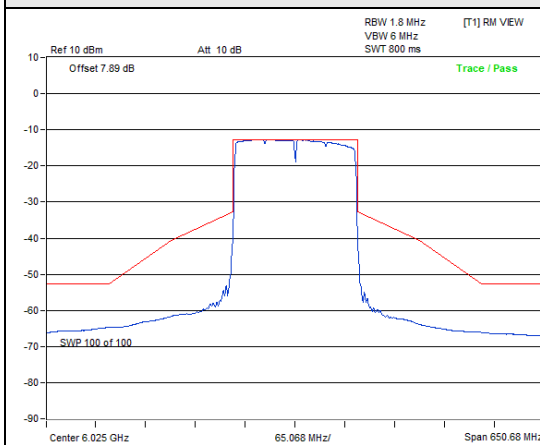
802.11be (EHT80) / Chain 1: CH 199



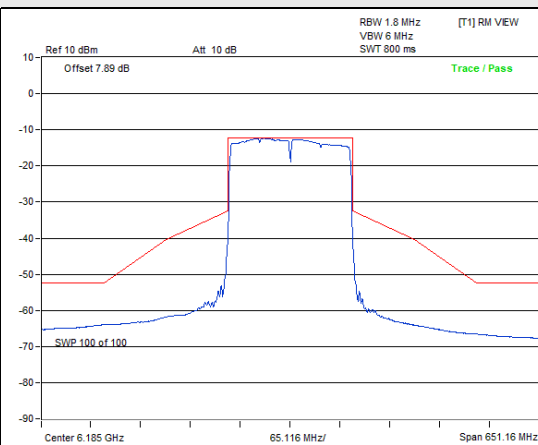
802.11be (EHT80) / Chain 1: CH 215

802.11be (EHT160)

Spectrum Plot

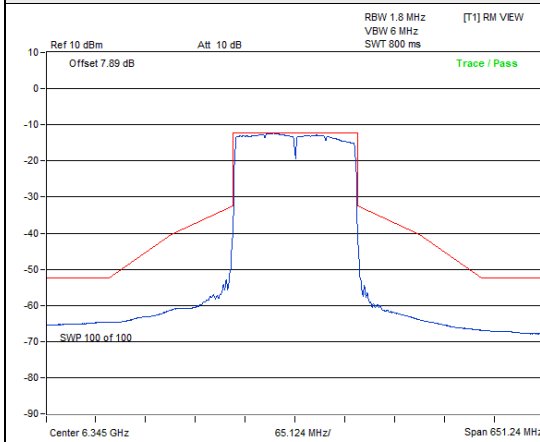


802.11be (EHT160) / Chain 0: CH 15

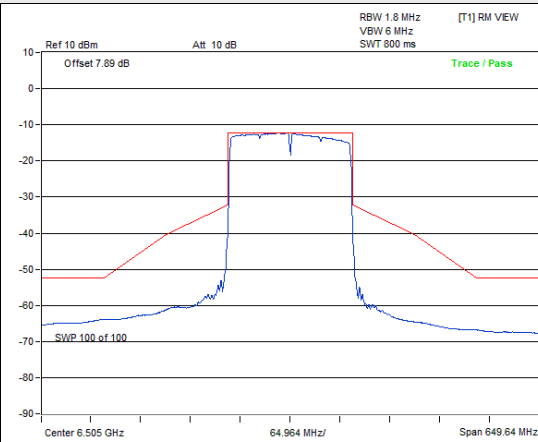


802.11be (EHT160) / Chain 0: CH 47

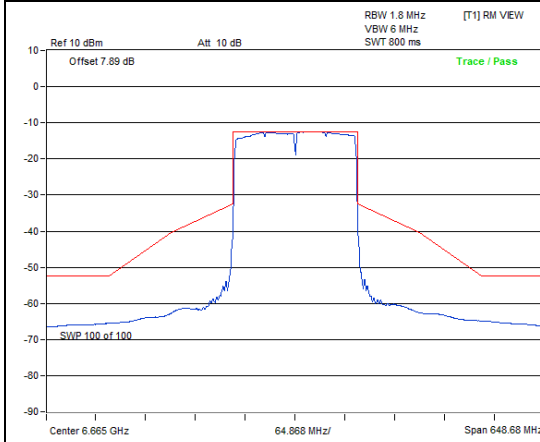
Spectrum Plot



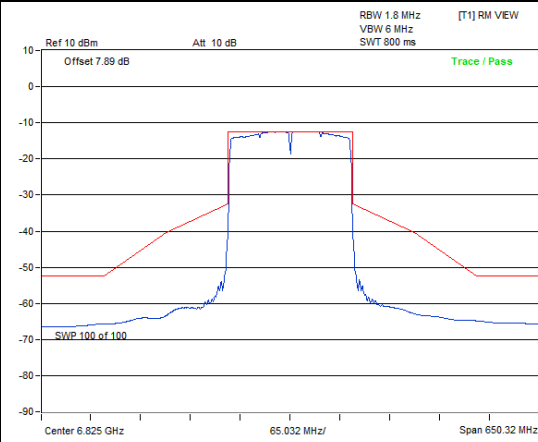
802.11be (EHT160) / Chain 0: CH 79



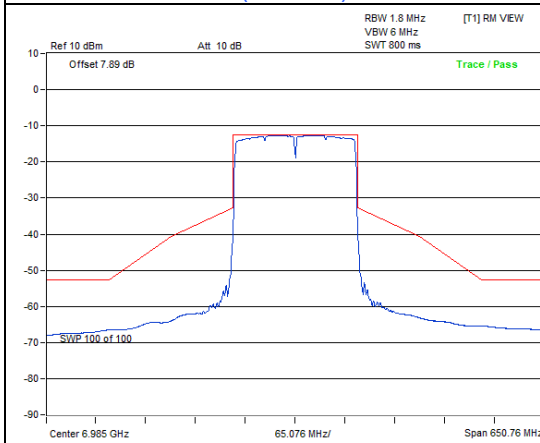
802.11be (EHT160) / Chain 0: CH 111



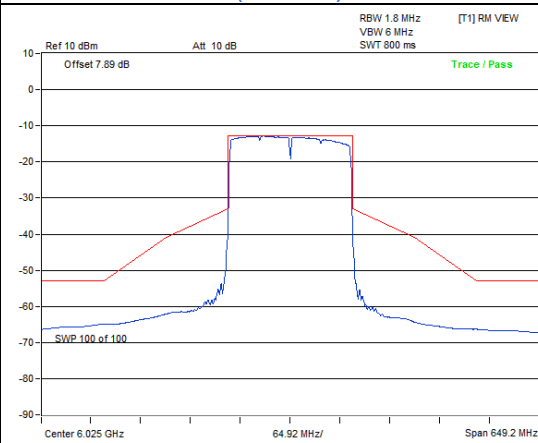
802.11be (EHT160) / Chain 0: CH 143



802.11be (EHT160) / Chain 0: CH 175

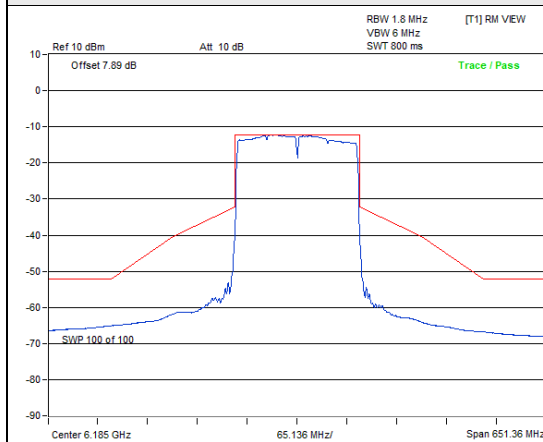


802.11be (EHT160) / Chain 0: CH 207

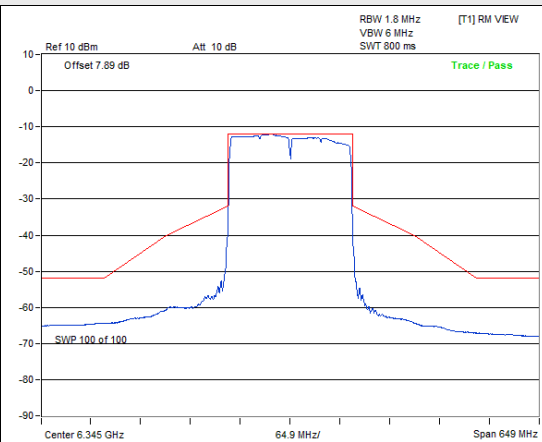


802.11be (EHT160) / Chain 1: CH 15

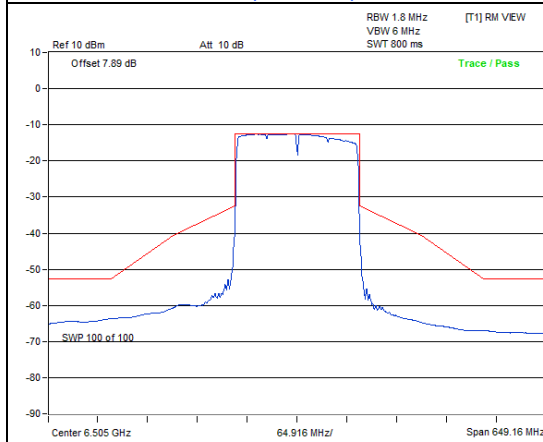
Spectrum Plot



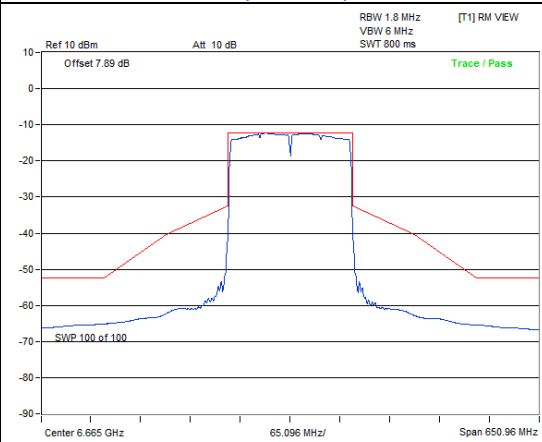
802.11be (EHT160) / Chain 1: CH 47



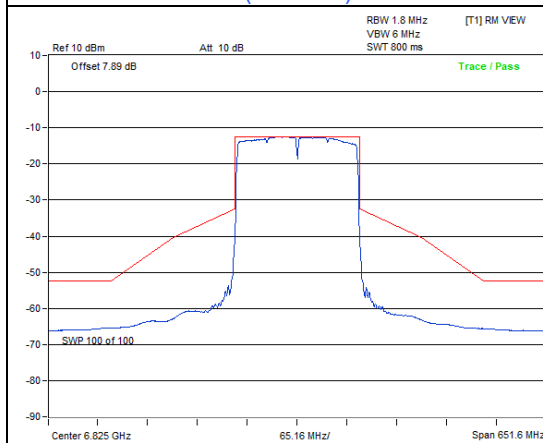
802.11be (EHT160) / Chain 1: CH 79



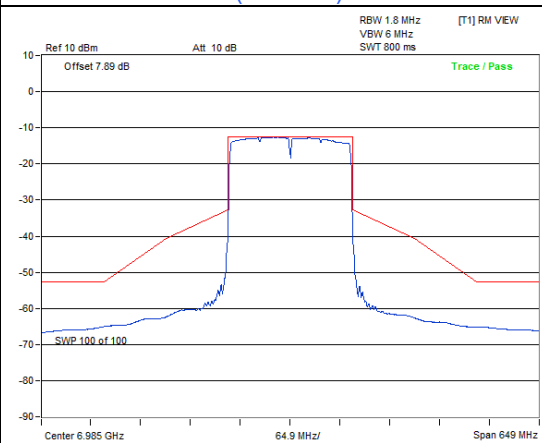
802.11be (EHT160) / Chain 1: CH 111



802.11be (EHT160) / Chain 1: CH 143

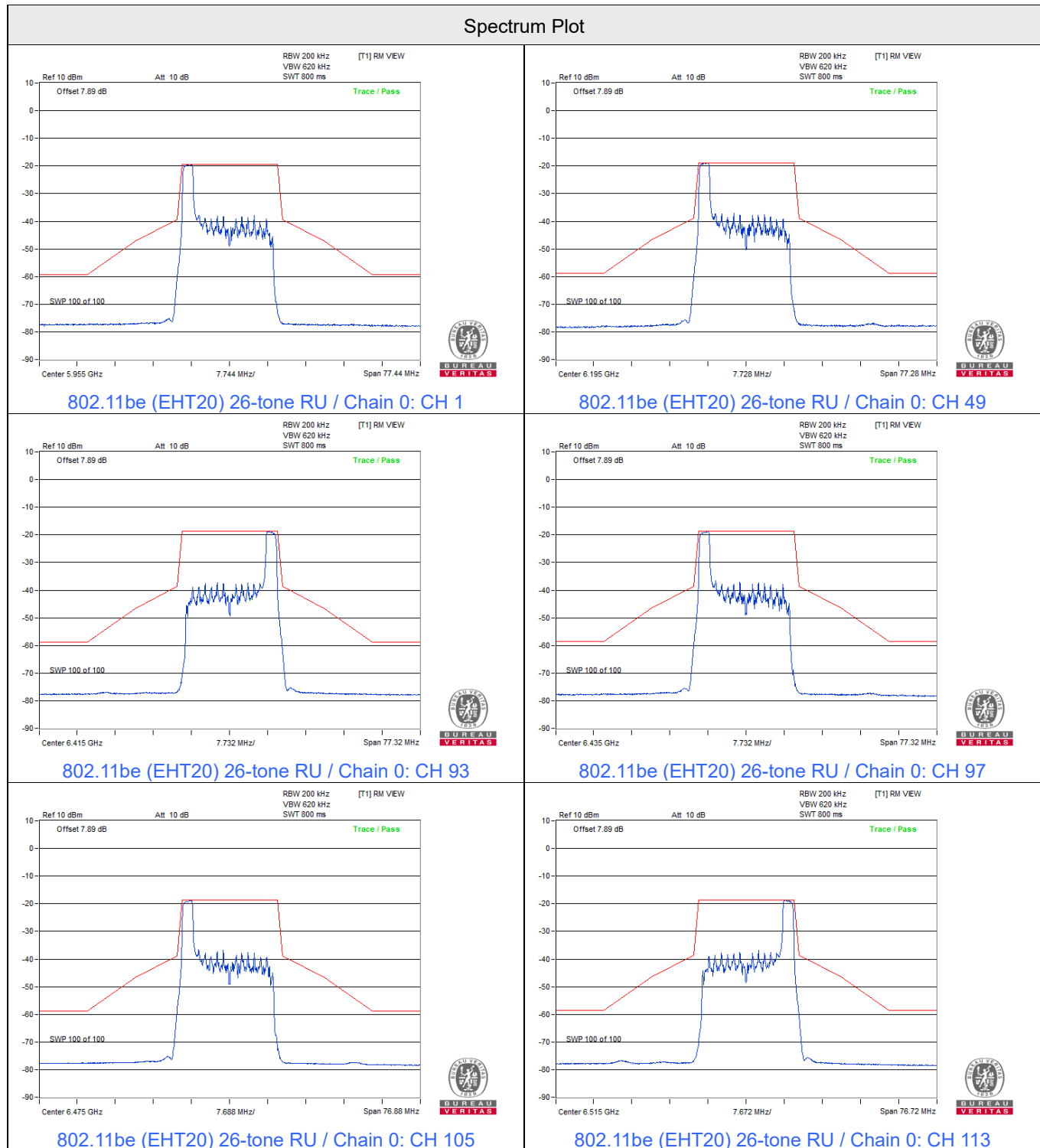


802.11be (EHT160) / Chain 1: CH 175

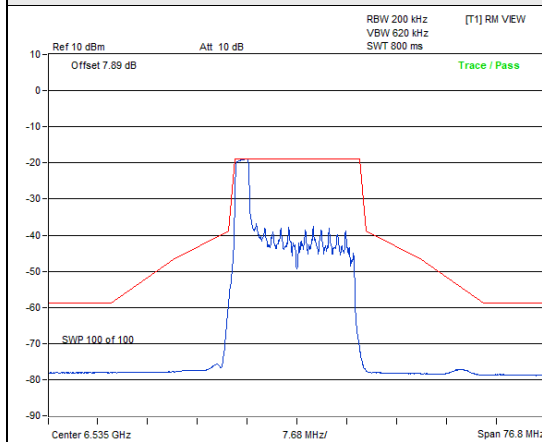


802.11be (EHT160) / Chain 1: CH 207

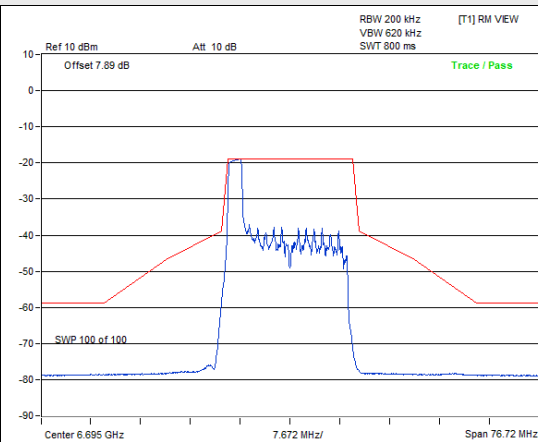
802.11be (EHT20) 26-tone RU



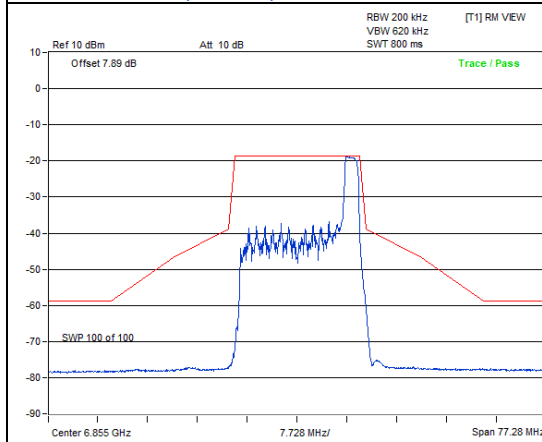
Spectrum Plot



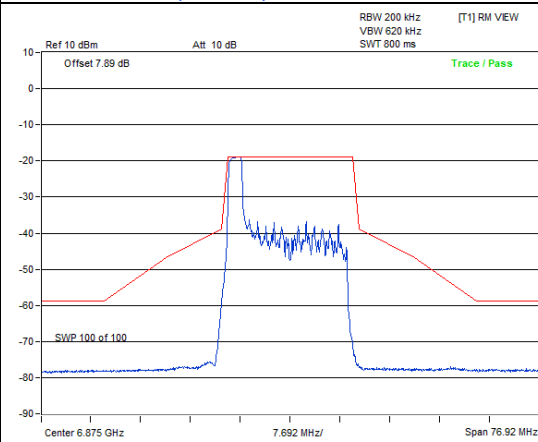
802.11be (EHT20) 26-tone RU / Chain 0: CH 117



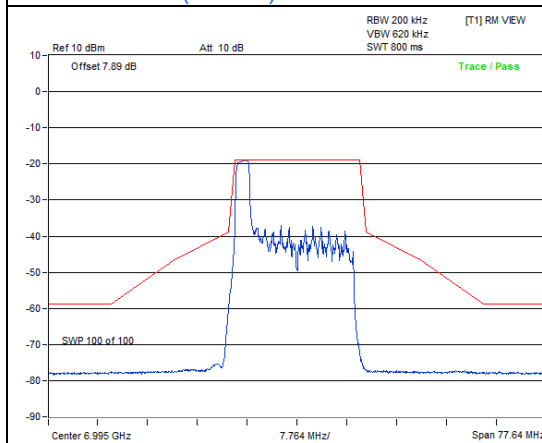
802.11be (EHT20) 26-tone RU / Chain 0: CH 149



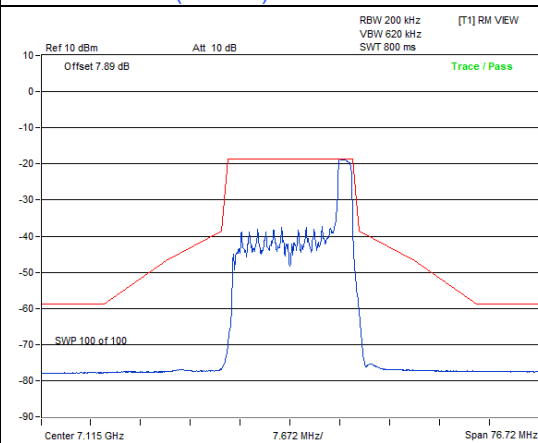
802.11be (EHT20) 26-tone RU / Chain 0: CH 181



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

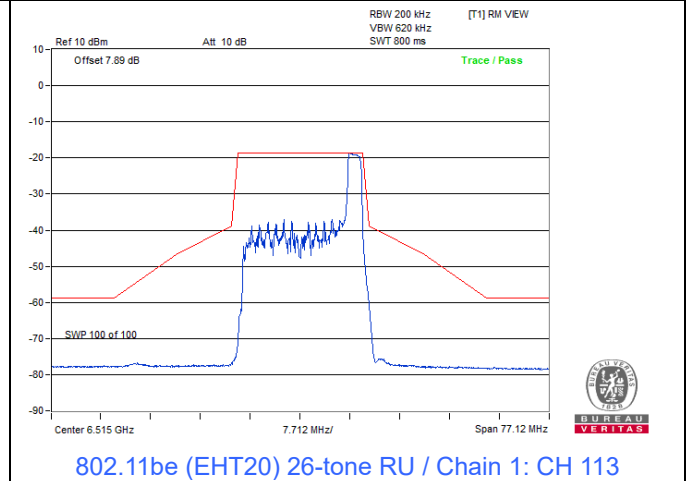
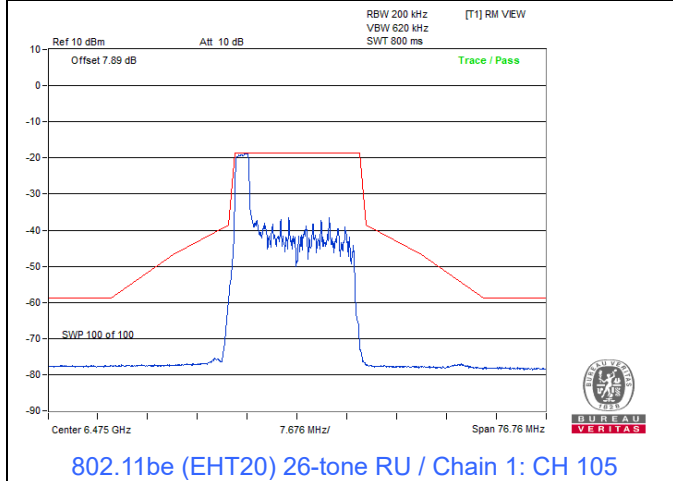
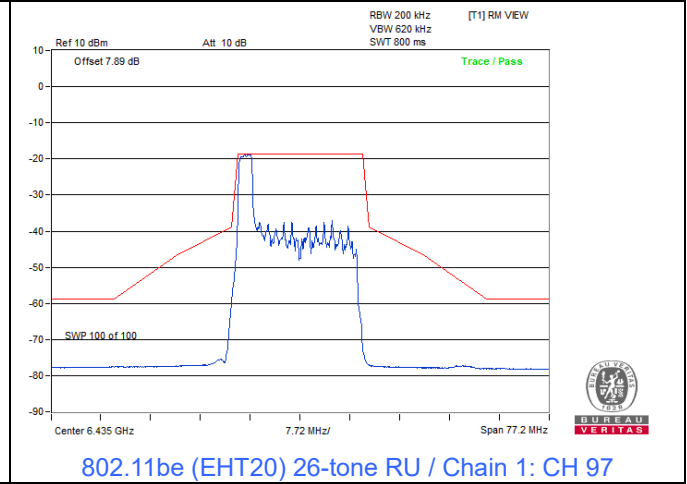
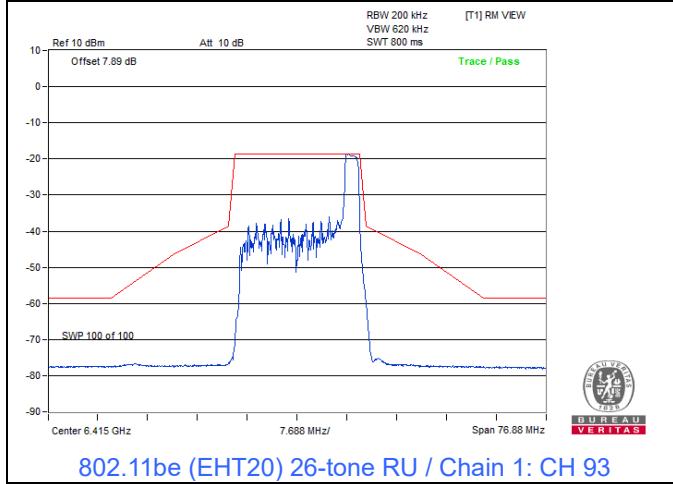
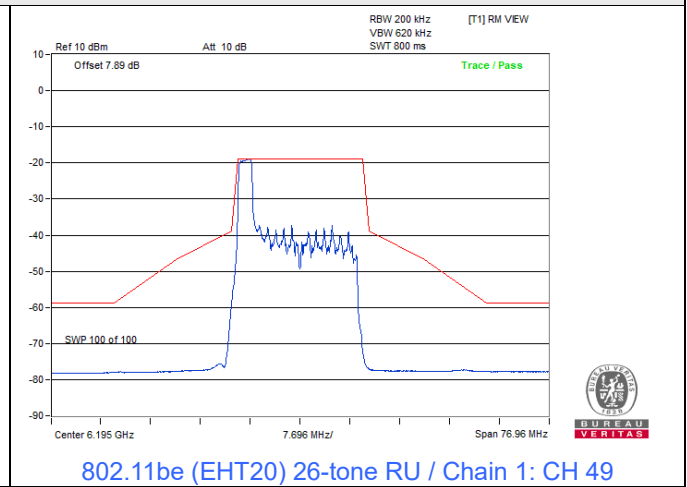
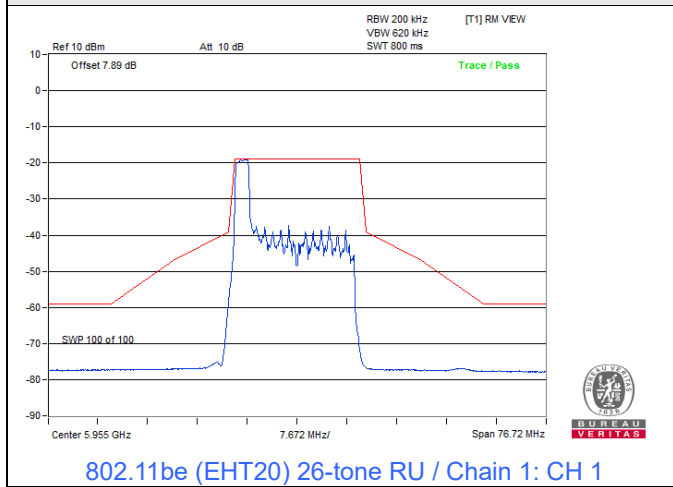


802.11be (EHT20) 26-tone RU / Chain 0: CH 209

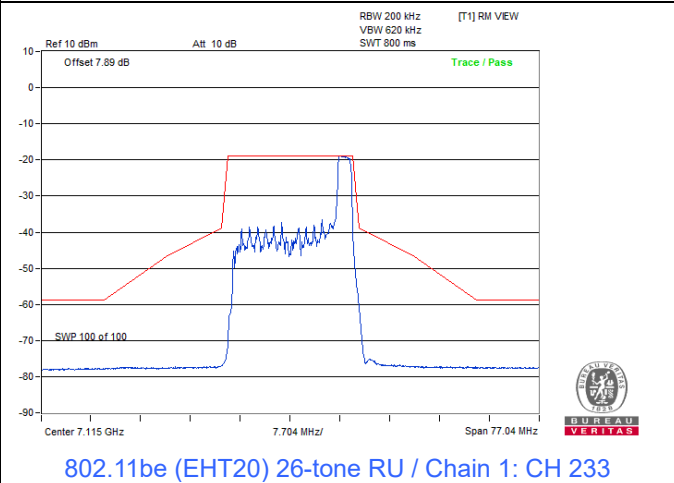
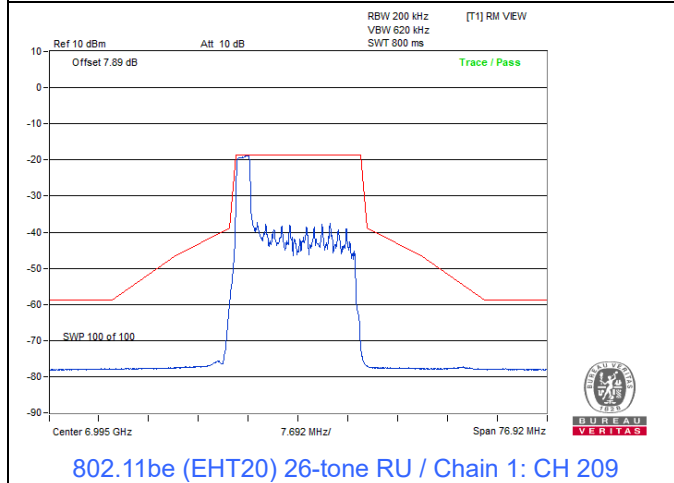
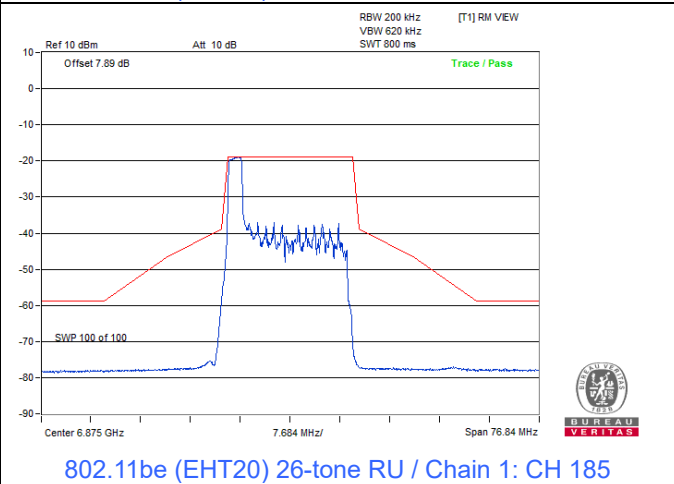
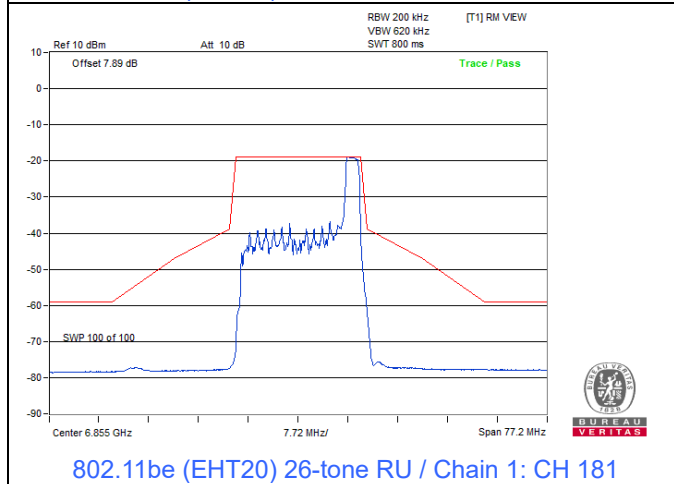
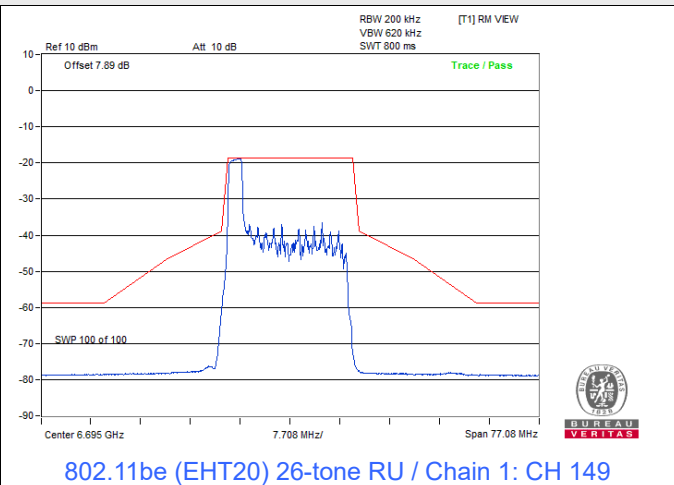
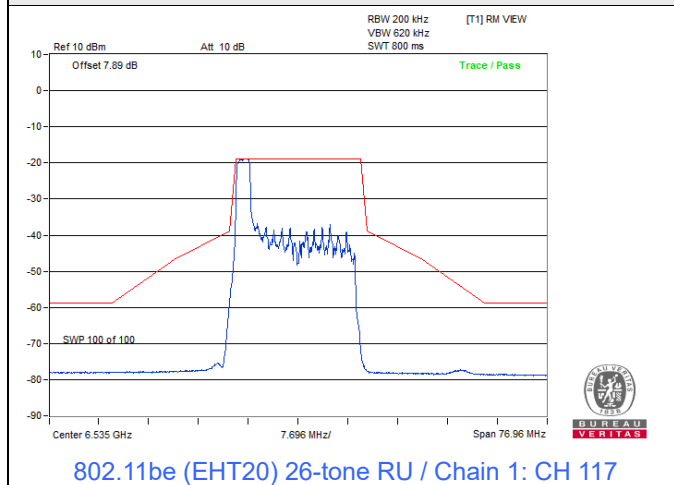


802.11be (EHT20) 26-tone RU / Chain 0: CH 233

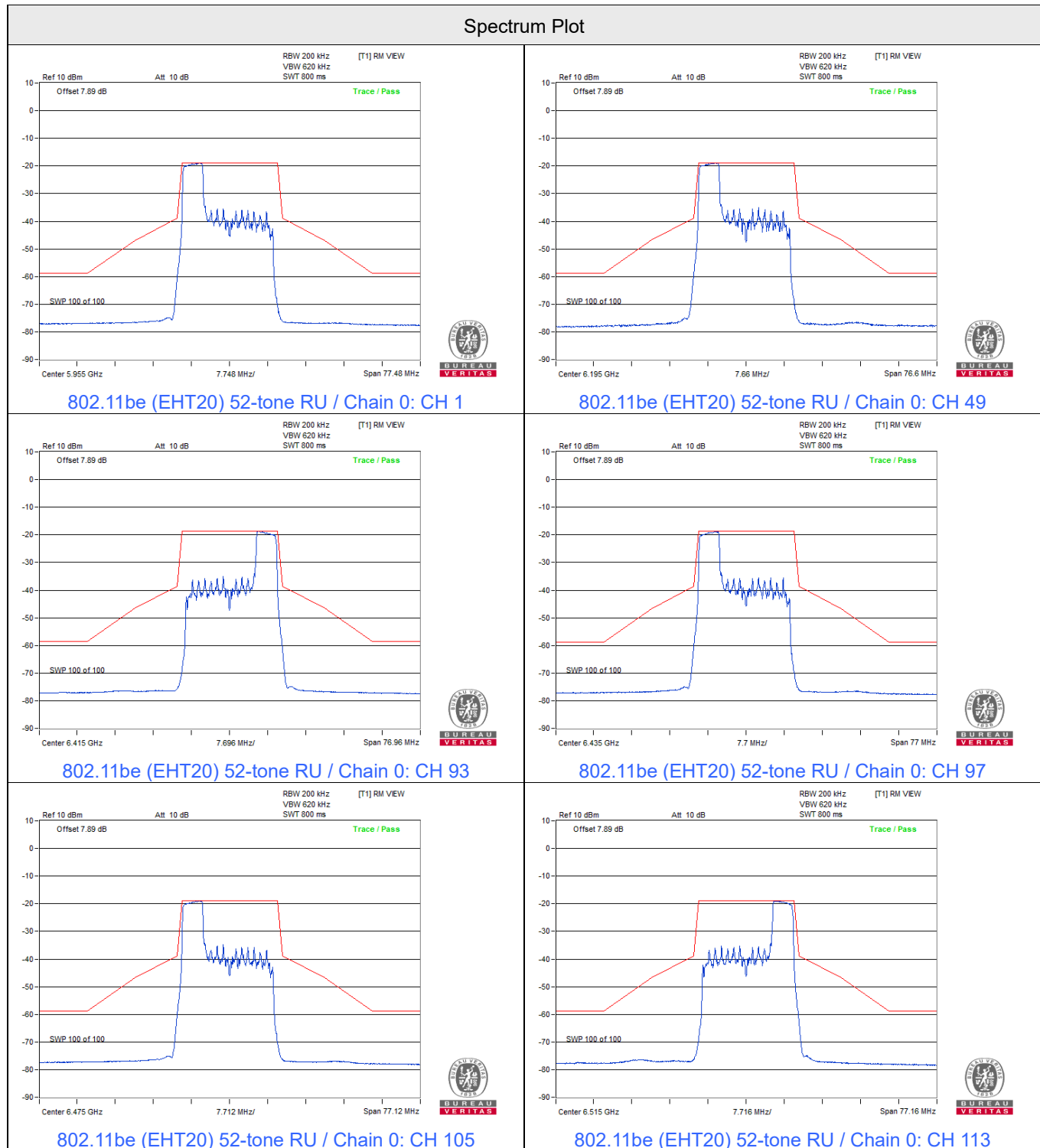
Spectrum Plot



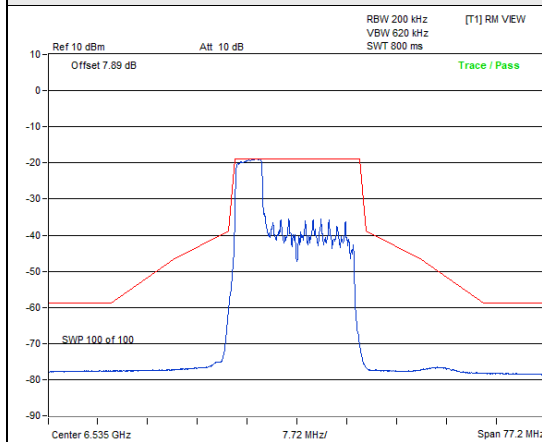
Spectrum Plot



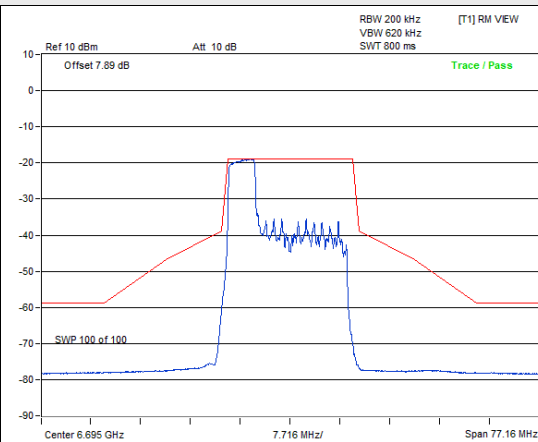
802.11be (EHT20) 52-tone RU



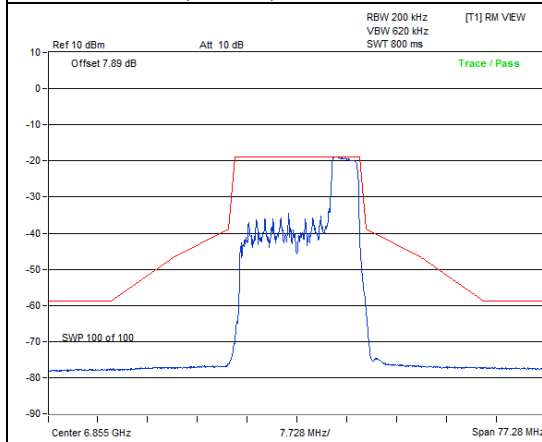
Spectrum Plot



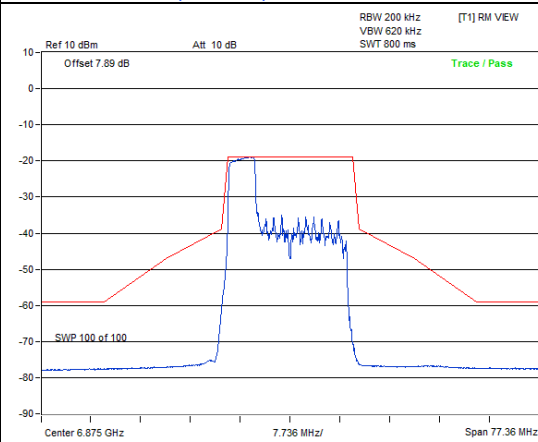
802.11be (EHT20) 52-tone RU / Chain 0: CH 117



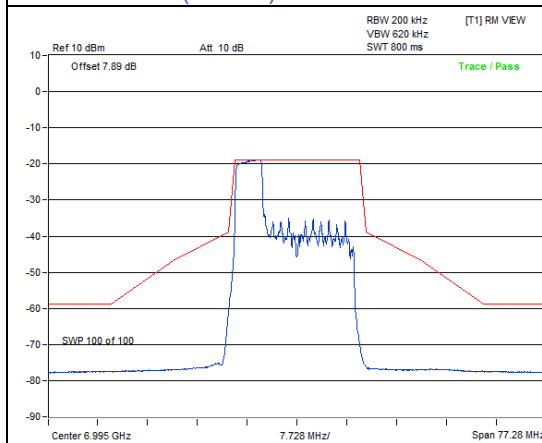
802.11be (EHT20) 52-tone RU / Chain 0: CH 149



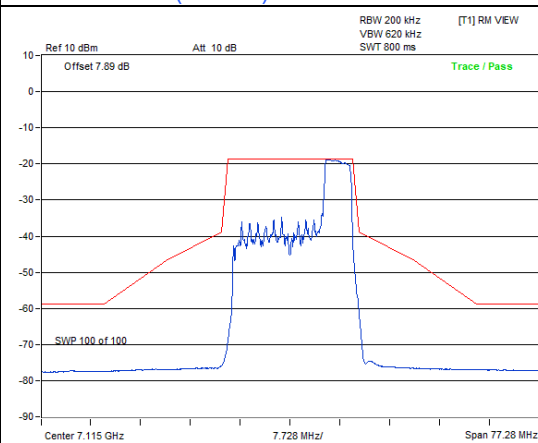
802.11be (EHT20) 52-tone RU / Chain 0: CH 181



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

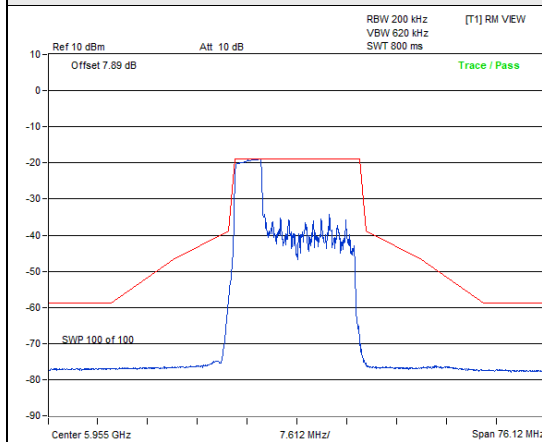


802.11be (EHT20) 52-tone RU / Chain 0: CH 209

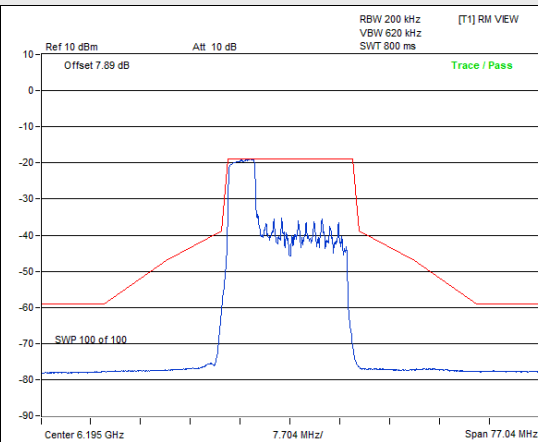


802.11be (EHT20) 52-tone RU / Chain 0: CH 233

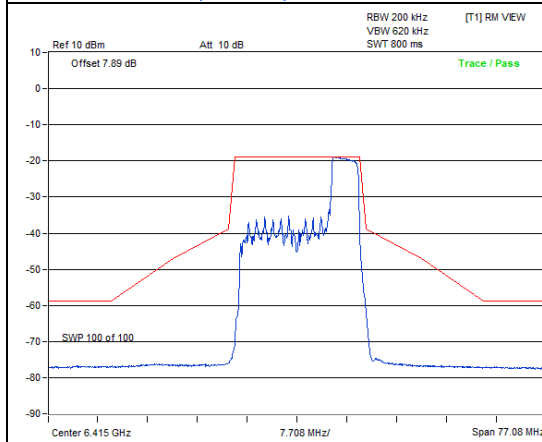
Spectrum Plot



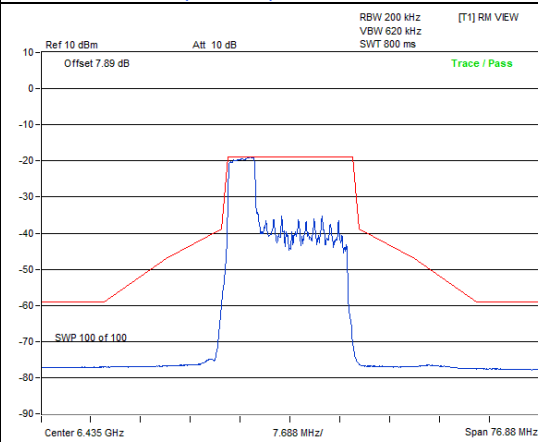
802.11be (EHT20) 52-tone RU / Chain 1: CH 1



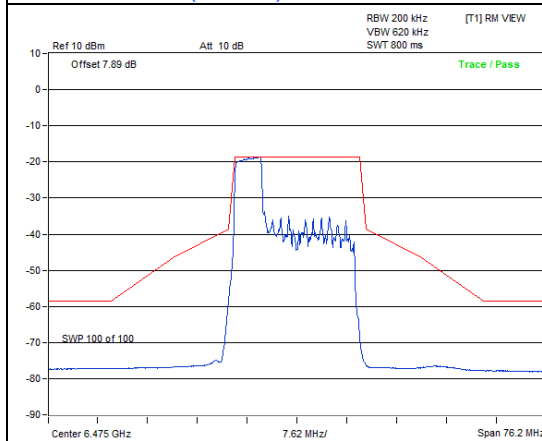
802.11be (EHT20) 52-tone RU / Chain 1: CH 49



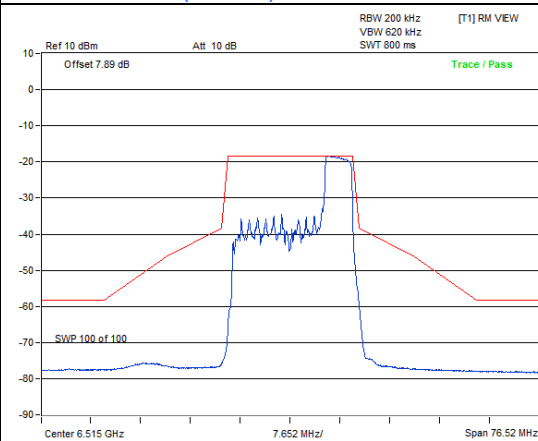
802.11be (EHT20) 52-tone RU / Chain 1: CH 93



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

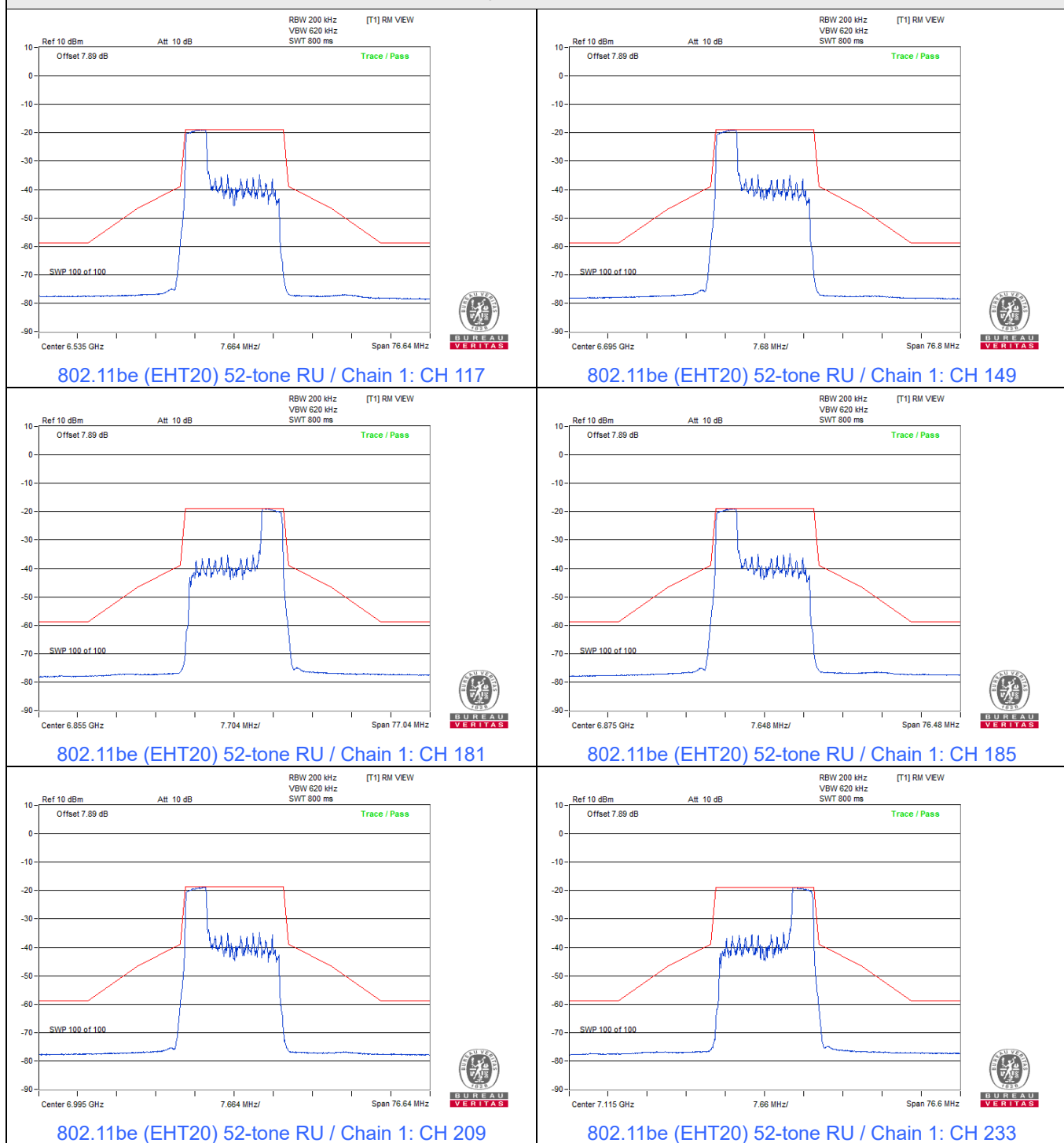


802.11be (EHT20) 52-tone RU / Chain 1: CH 105

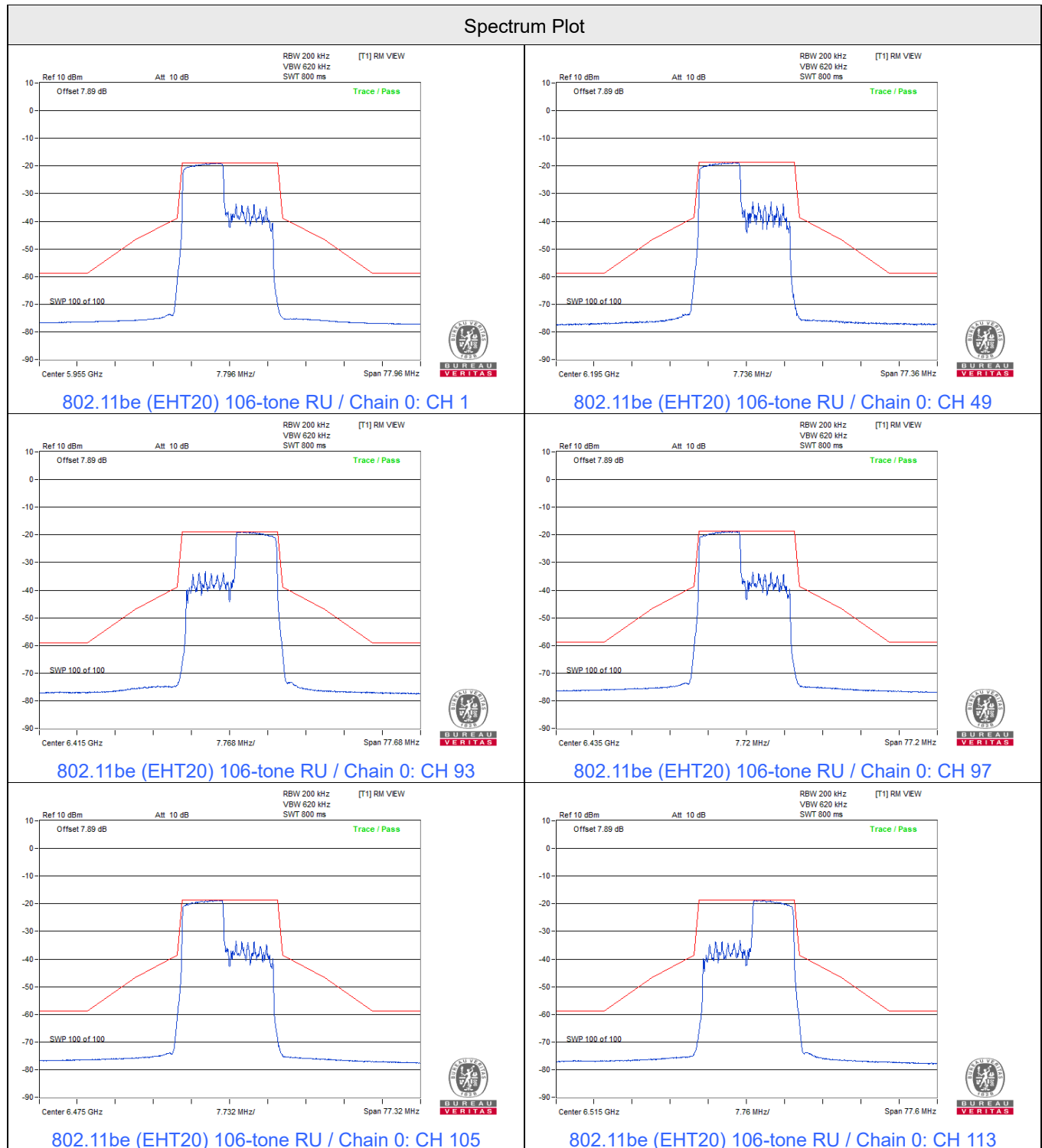


802.11be (EHT20) 52-tone RU / Chain 1: CH 113

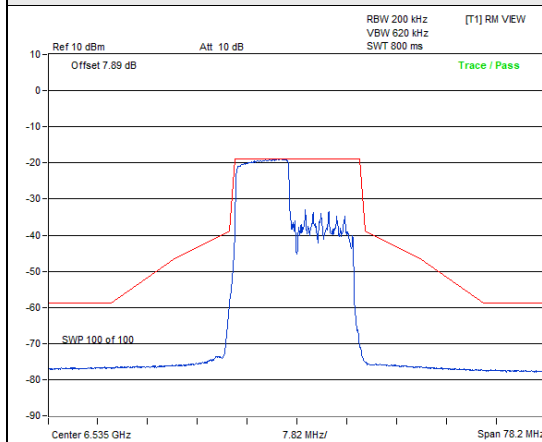
Spectrum Plot



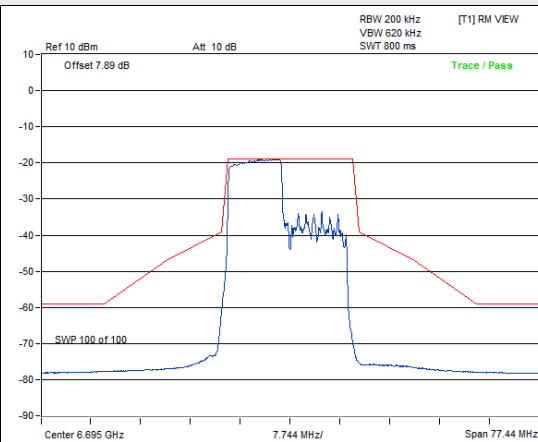
802.11be (EHT20) 106-tone RU



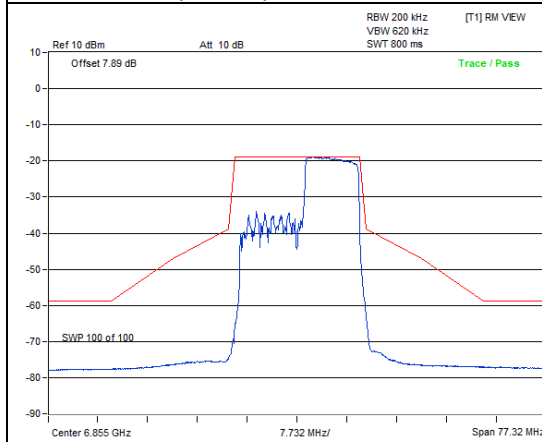
Spectrum Plot



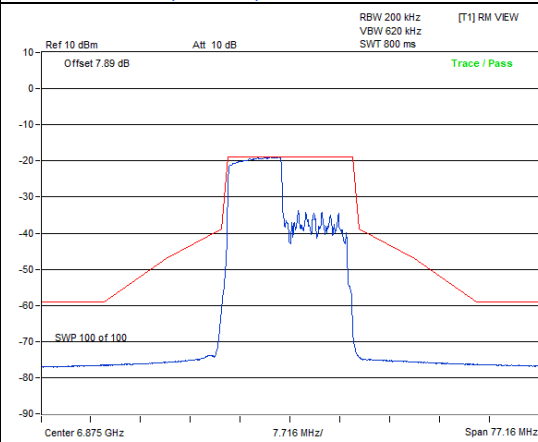
802.11be (EHT20) 106-tone RU / Chain 0: CH 117



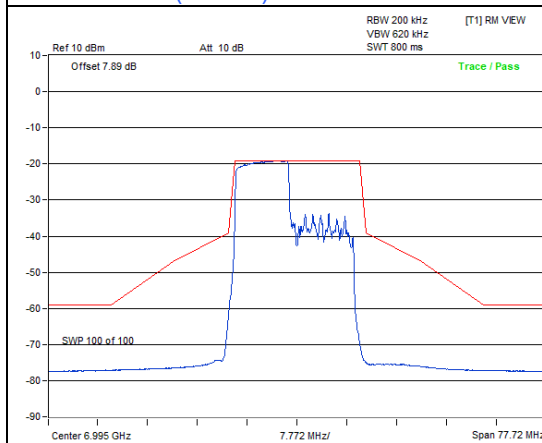
802.11be (EHT20) 106-tone RU / Chain 0: CH 149



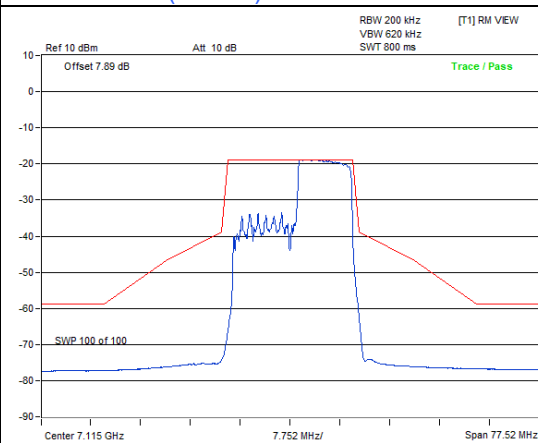
802.11be (EHT20) 106-tone RU / Chain 0: CH 181



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

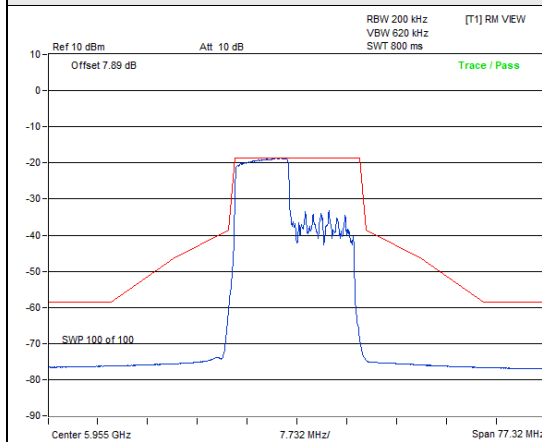


802.11be (EHT20) 106-tone RU / Chain 0: CH 209

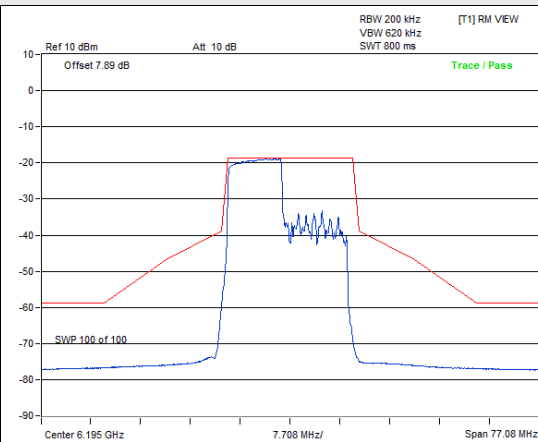


802.11be (EHT20) 106-tone RU / Chain 0: CH 233

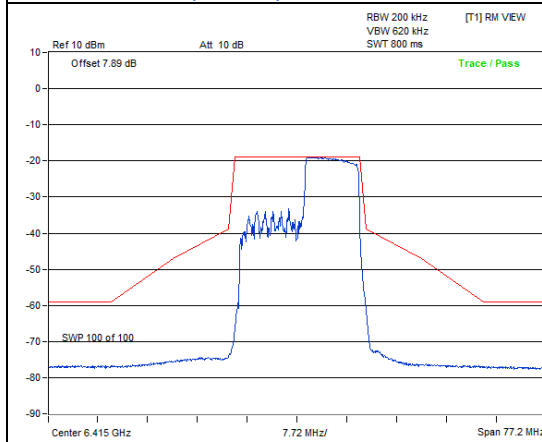
Spectrum Plot



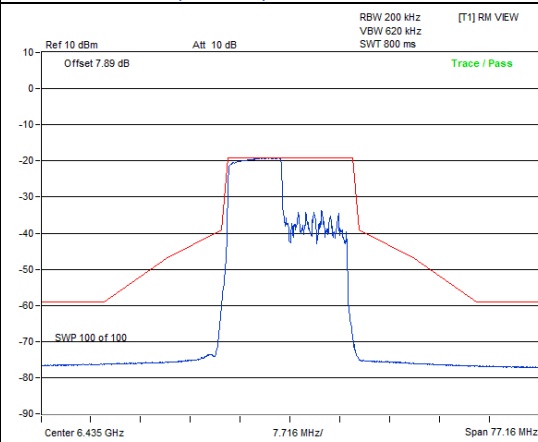
802.11be (EHT20) 106-tone RU / Chain 1: CH 1



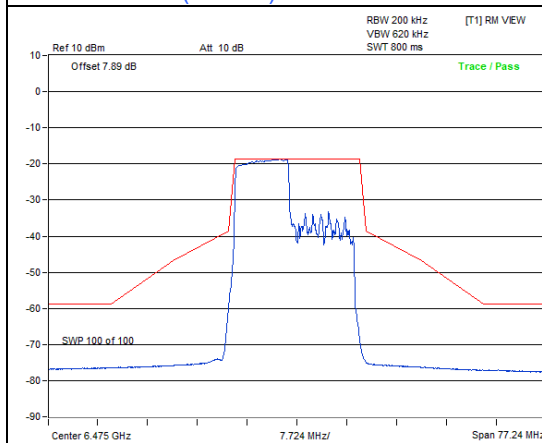
802.11be (EHT20) 106-tone RU / Chain 1: CH 49



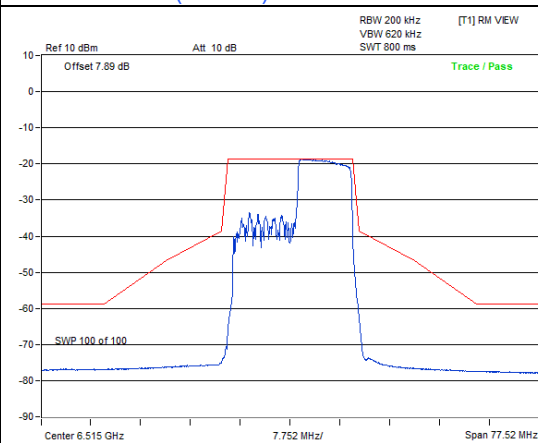
802.11be (EHT20) 106-tone RU / Chain 1: CH 93



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

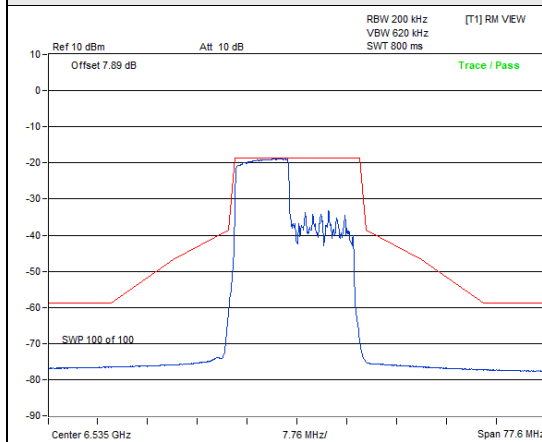


802.11be (EHT20) 106-tone RU / Chain 1: CH 105

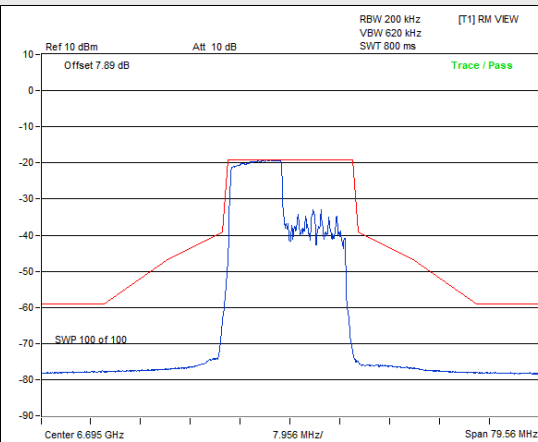


802.11be (EHT20) 106-tone RU / Chain 1: CH 113

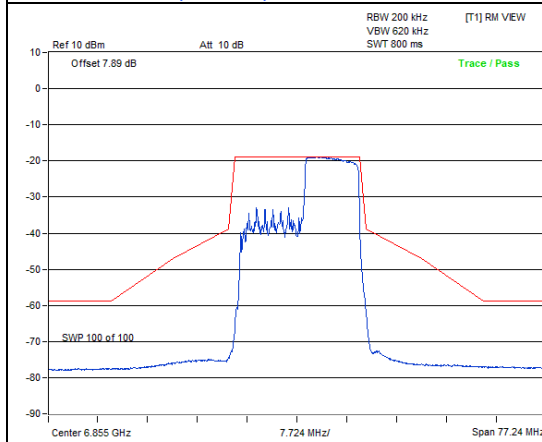
Spectrum Plot



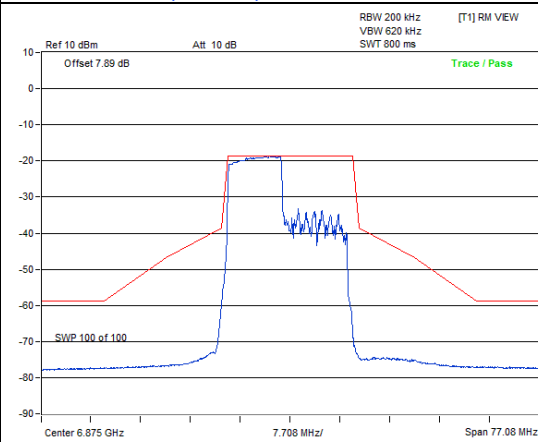
802.11be (EHT20) 106-tone RU / Chain 1: CH 117



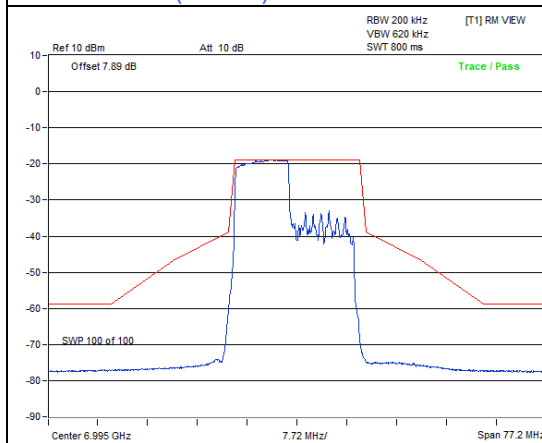
802.11be (EHT20) 106-tone RU / Chain 1: CH 149



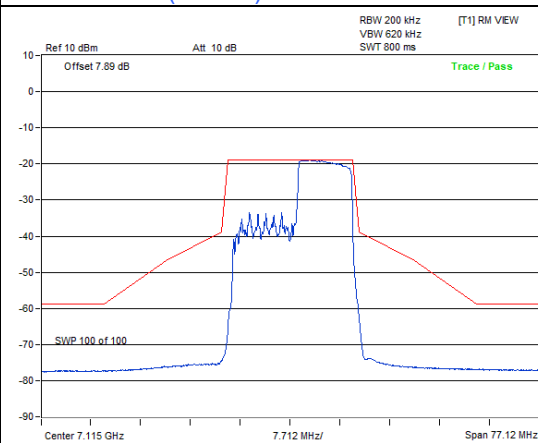
802.11be (EHT20) 106-tone RU / Chain 1: CH 181



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

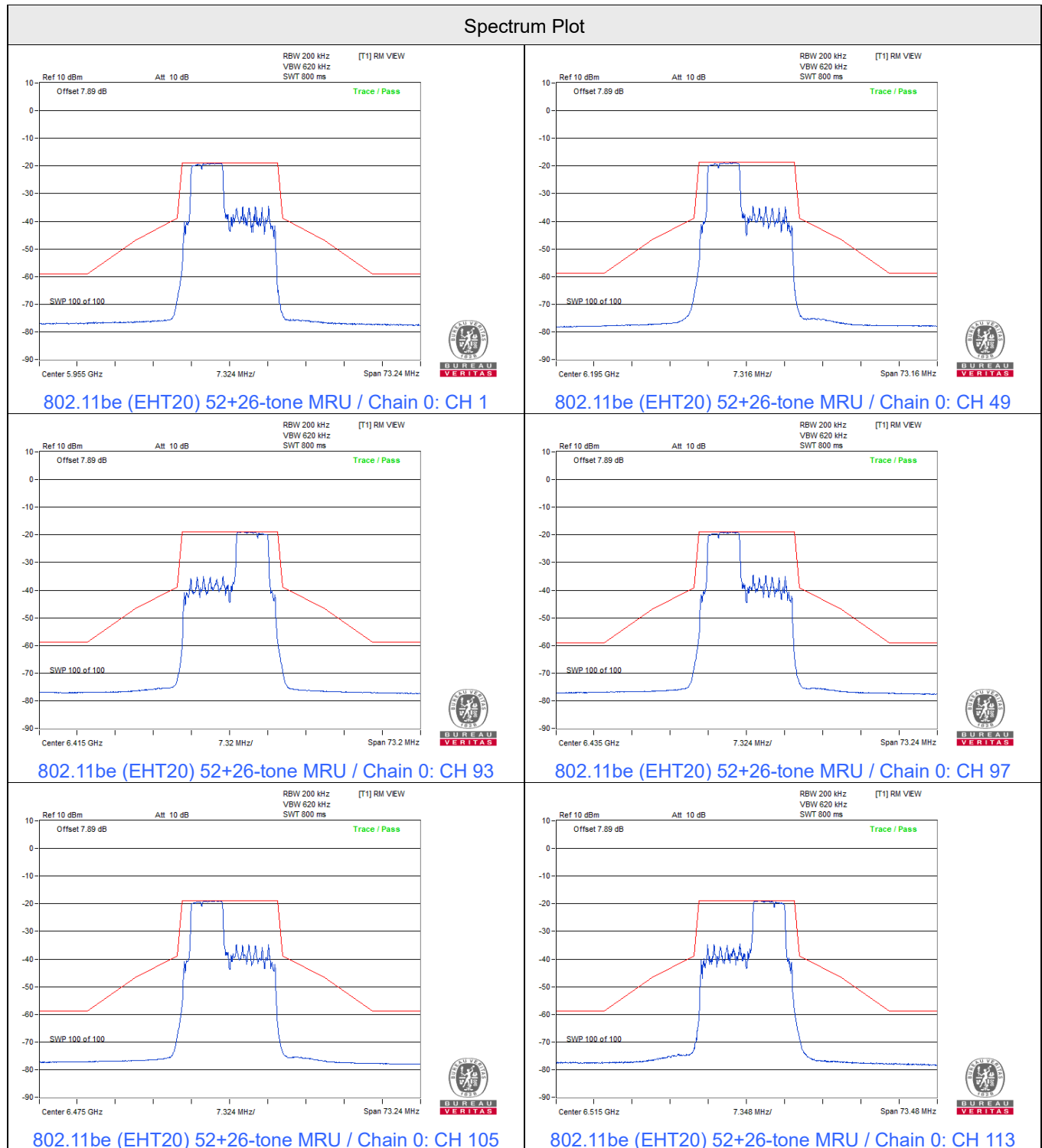


802.11be (EHT20) 106-tone RU / Chain 1: CH 209

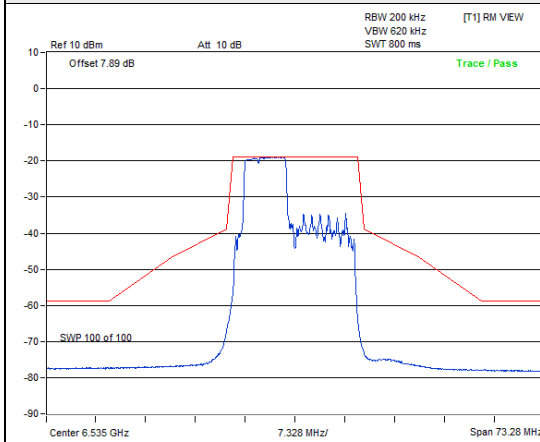


802.11be (EHT20) 106-tone RU / Chain 1: CH 233

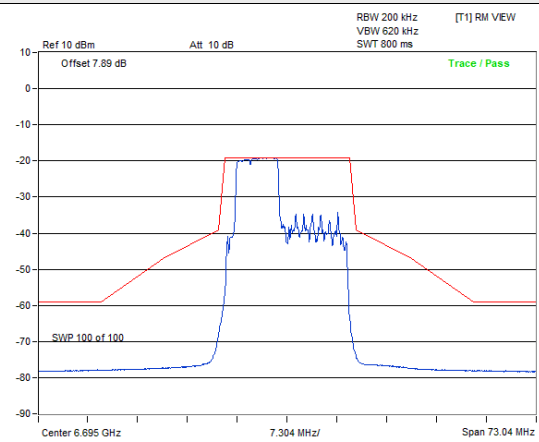
802.11be (EHT20) 52+26-tone MRU



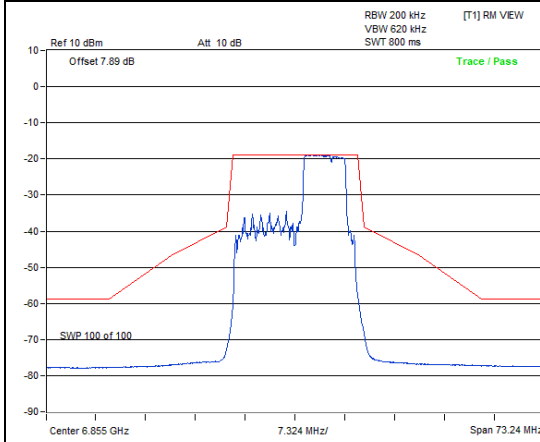
Spectrum Plot



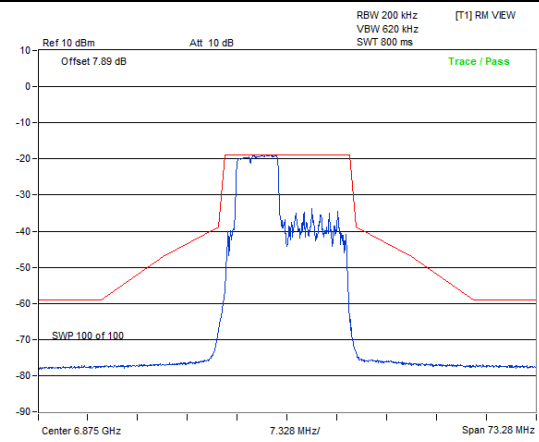
802.11be (EHT20) 52+26-tone MRU / Chain 0: CH 117



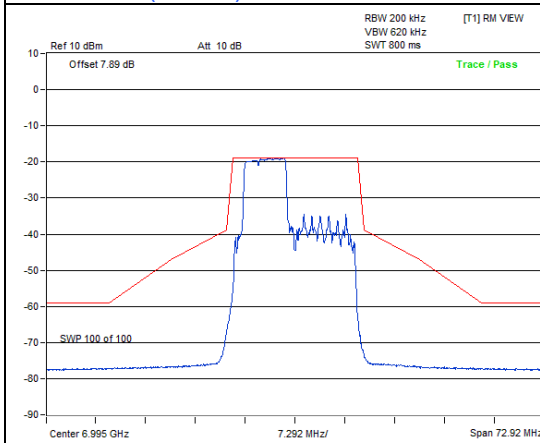
802.11be (EHT20) 52+26-tone MRU / Chain 0: CH 149



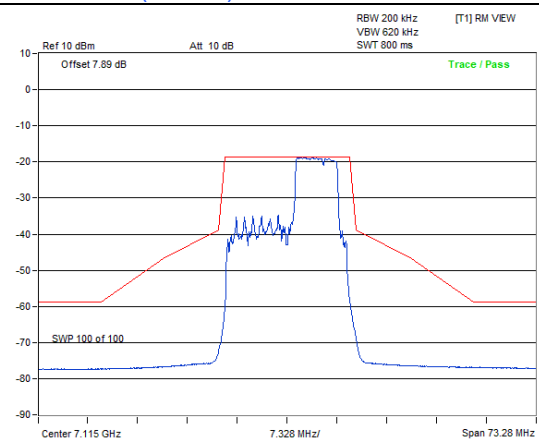
802.11be (EHT20) 52+26-tone MRU / Chain 0: CH 181



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

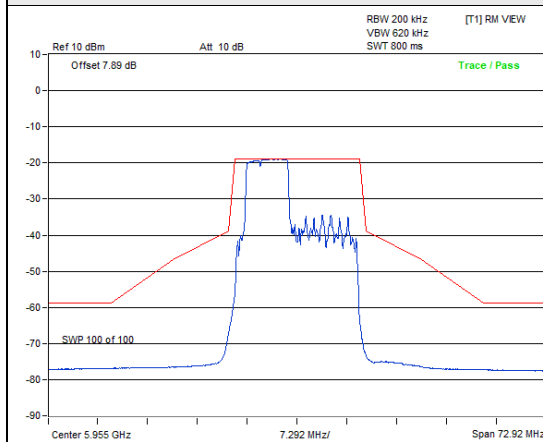


802.11be (EHT20) 52+26-tone MRU / Chain 0: CH 209

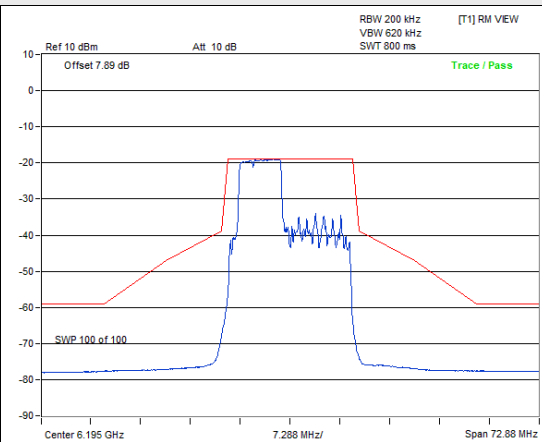


802.11be (EHT20) 52+26-tone MRU / Chain 0: CH 233

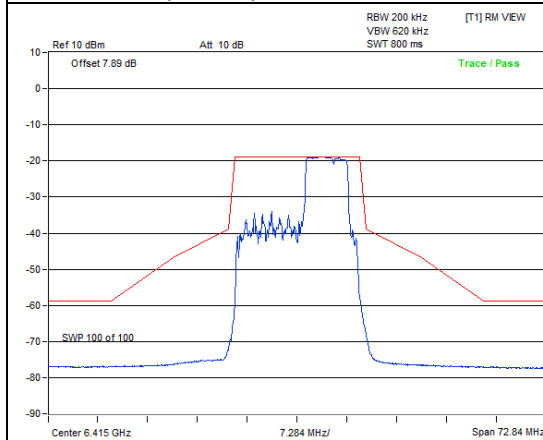
Spectrum Plot



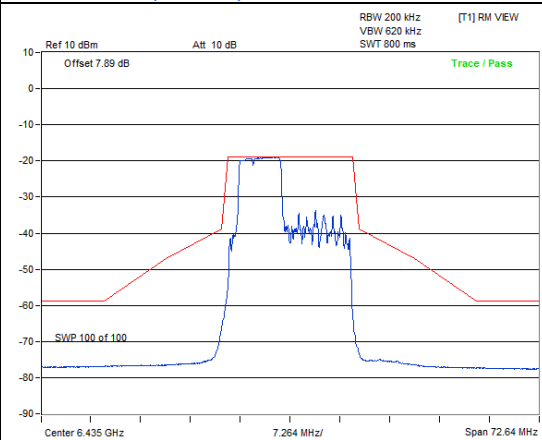
802.11be (EHT20) 52+26-tone MRU / Chain 1: CH 1



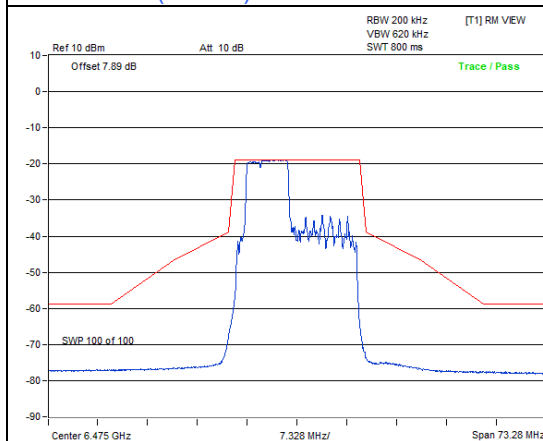
802.11be (EHT20) 52+26-tone MRU / Chain 1: CH 49



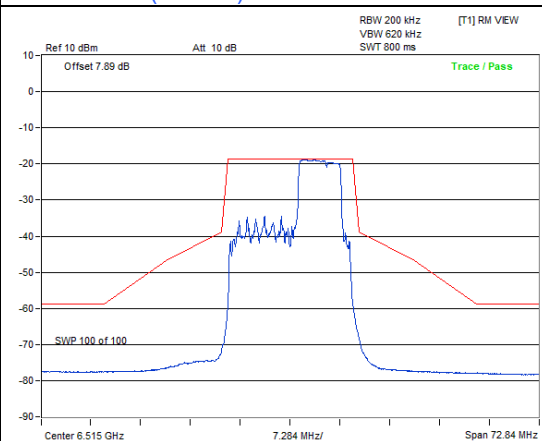
802.11be (EHT20) 52+26-tone MRU / Chain 1: CH 93



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

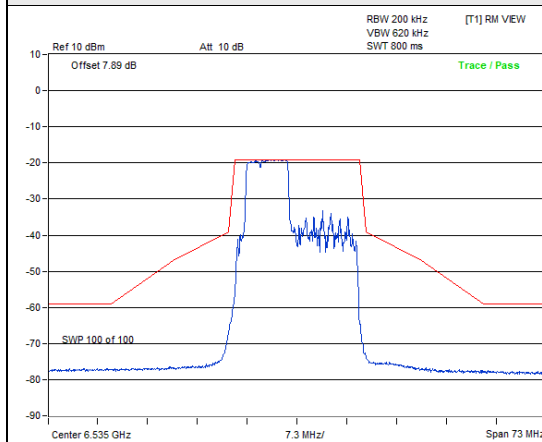


802.11be (EHT20) 52+26-tone MRU / Chain 1: CH 105

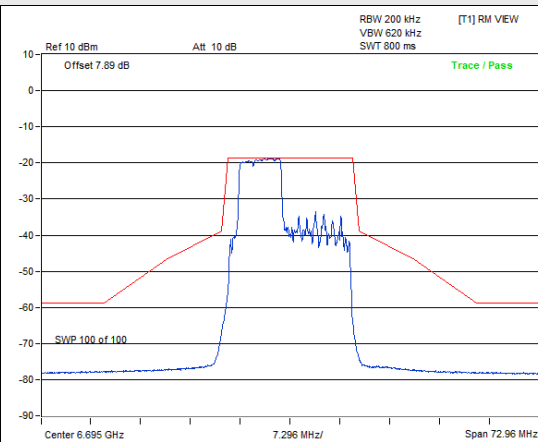


802.11be (EHT20) 52+26-tone MRU / Chain 1: CH 113

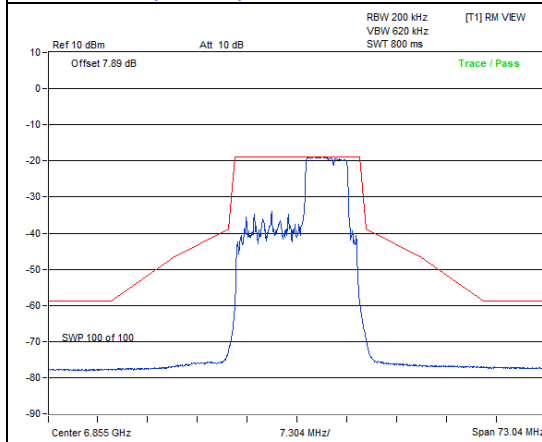
Spectrum Plot



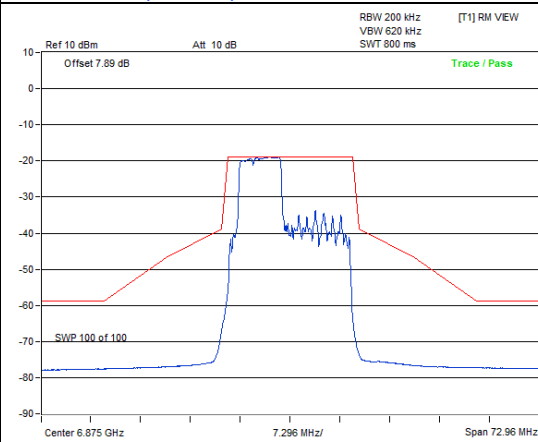
802.11be (EHT20) 52+26-tone MRU / Chain 1: CH 117



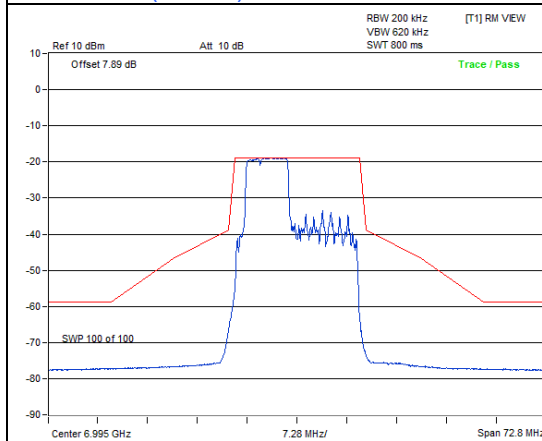
802.11be (EHT20) 52+26-tone MRU / Chain 1: CH 149



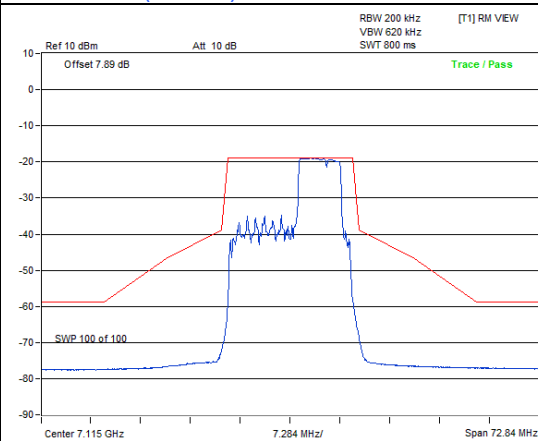
802.11be (EHT20) 52+26-tone MRU / Chain 1: CH 181



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



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

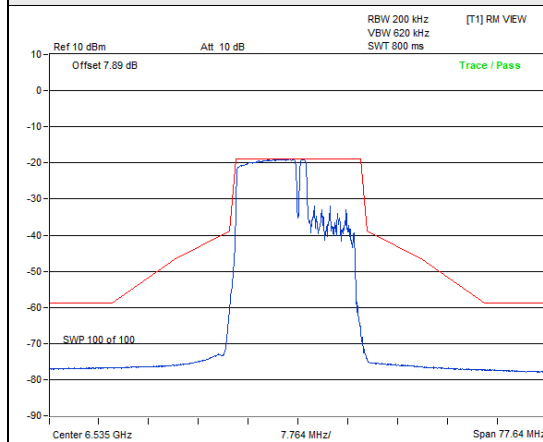


802.11be (EHT20) 52+26-tone MRU / Chain 1: CH 233

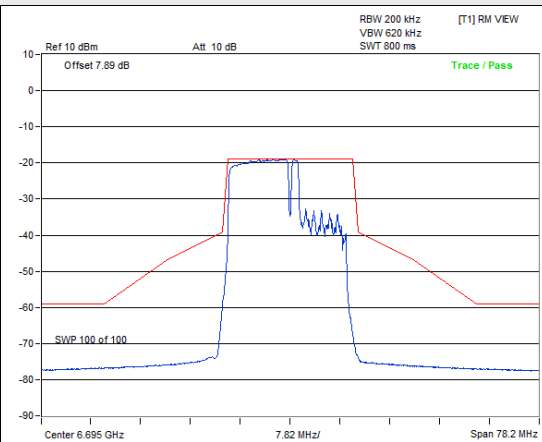
802.11be (EHT20) 106+26-tone MRU



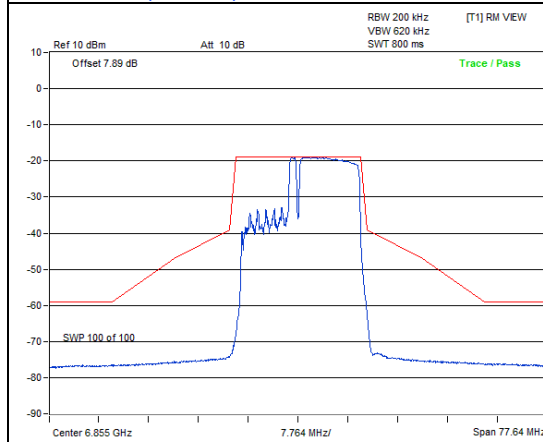
Spectrum Plot



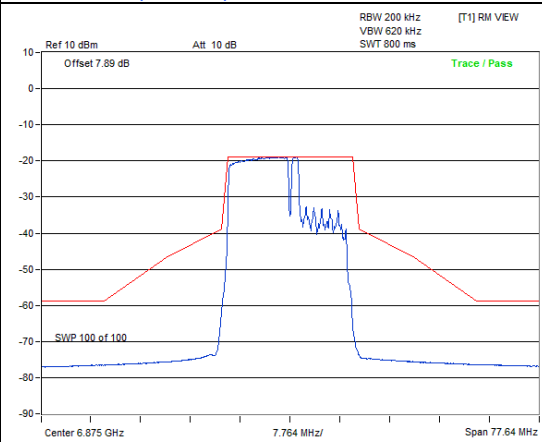
802.11be (EHT20) 106+26-tone MRU / Chain 0: CH 117



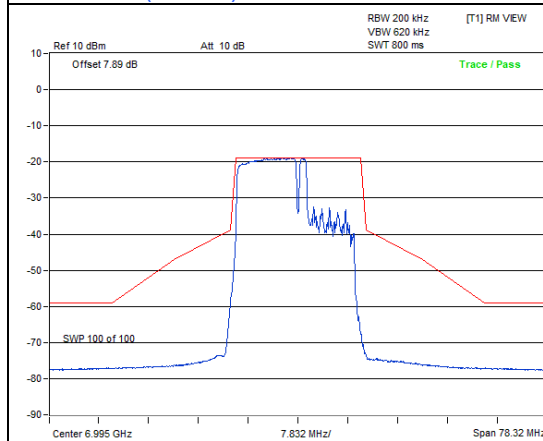
802.11be (EHT20) 106+26-tone MRU / Chain 0: CH 149



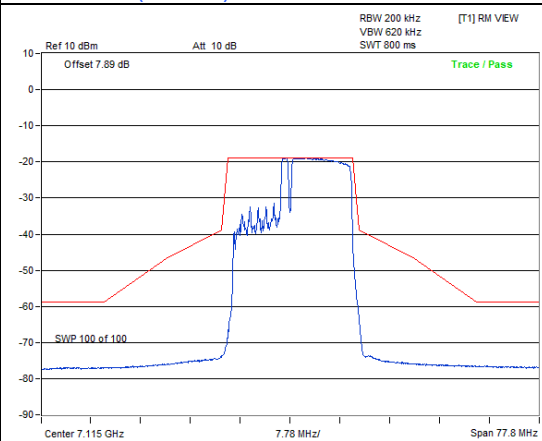
802.11be (EHT20) 106+26-tone MRU / Chain 0: CH 181



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



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

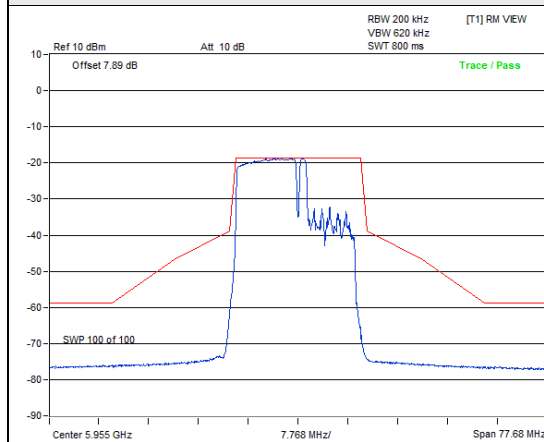


802.11be (EHT20) 106+26-tone MRU / Chain 0: CH 233

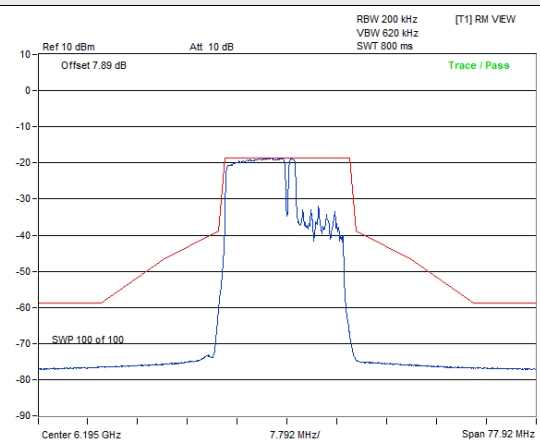


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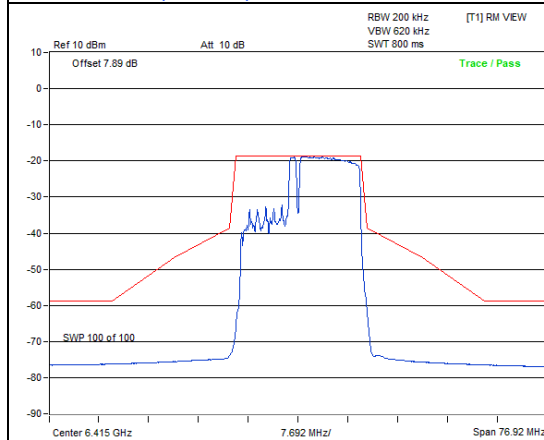
Spectrum Plot



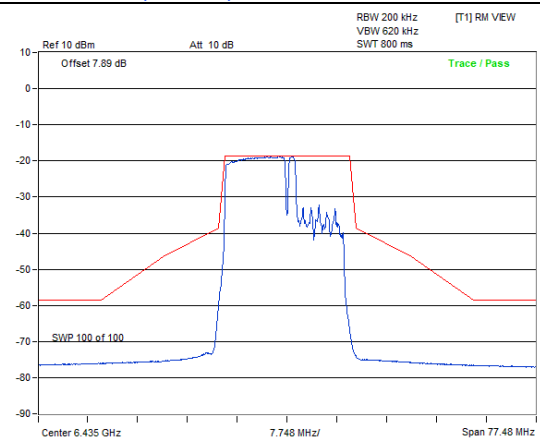
802.11be (EHT20) 106+26-tone MRU / Chain 1: CH 1



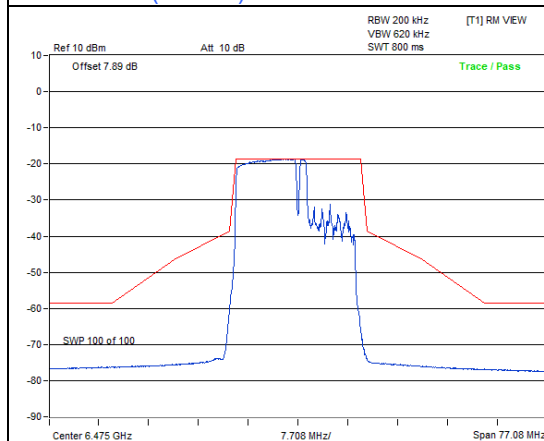
802.11be (EHT20) 106+26-tone MRU / Chain 1: CH 49



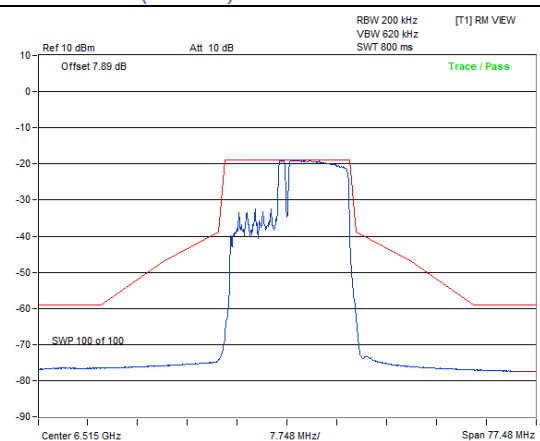
802.11be (EHT20) 106+26-tone MRU / Chain 1: CH 93



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

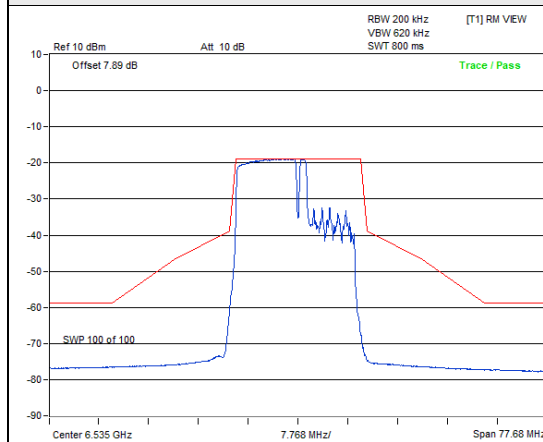


802.11be (EHT20) 106+26-tone MRU / Chain 1: CH 105

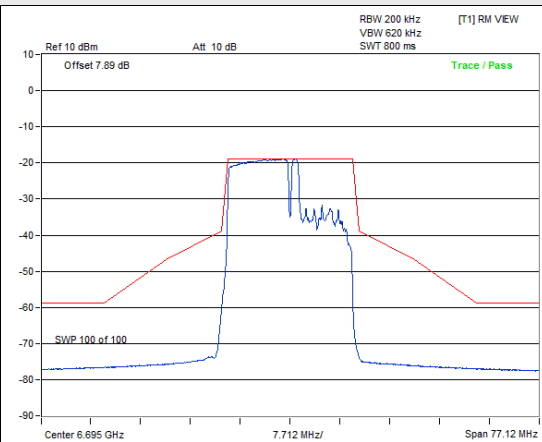


802.11be (EHT20) 106+26-tone MRU / Chain 1: CH 113

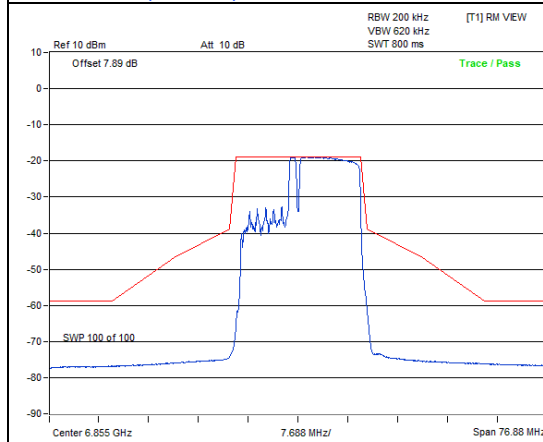
Spectrum Plot



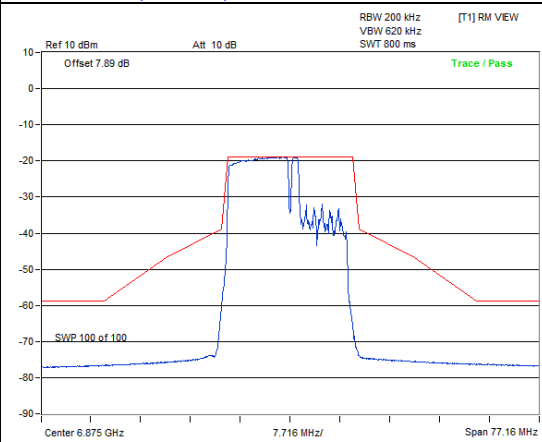
802.11be (EHT20) 106+26-tone MRU / Chain 1: CH 117



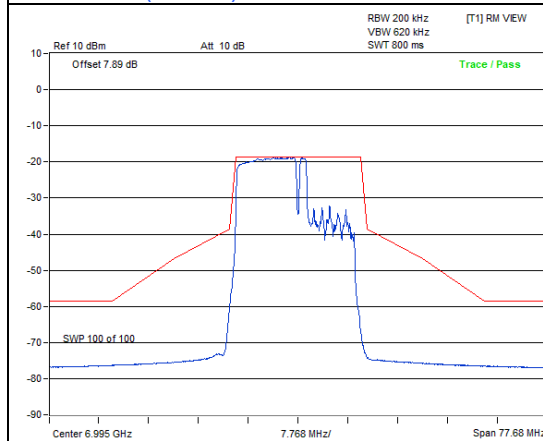
802.11be (EHT20) 106+26-tone MRU / Chain 1: CH 149



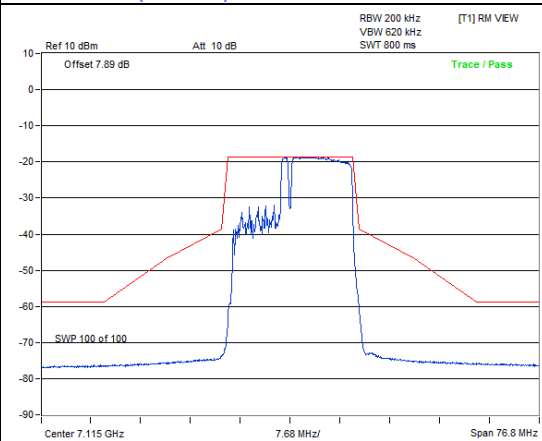
802.11be (EHT20) 106+26-tone MRU / Chain 1: CH 181



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

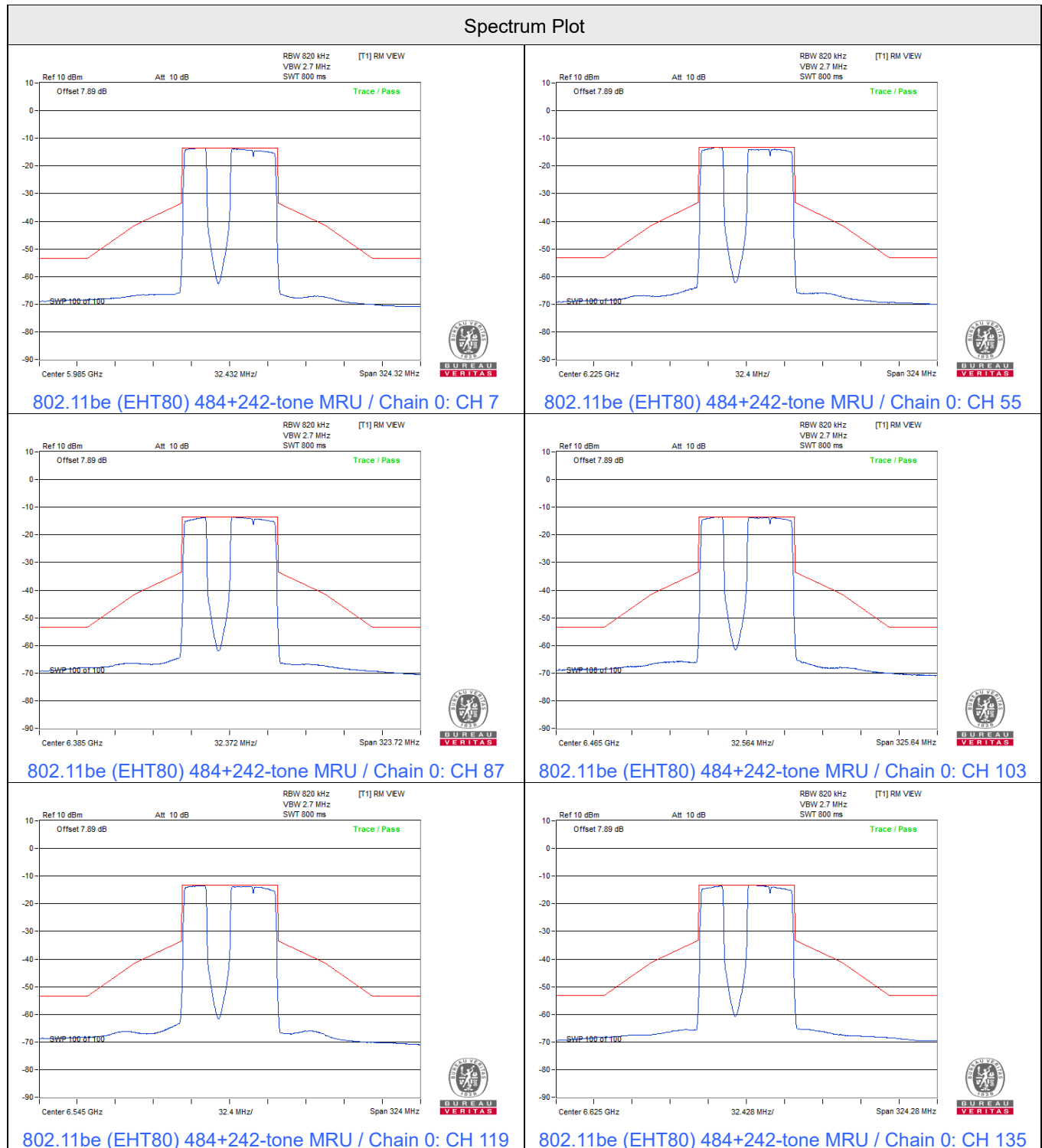


802.11be (EHT20) 106+26-tone MRU / Chain 1: CH 209

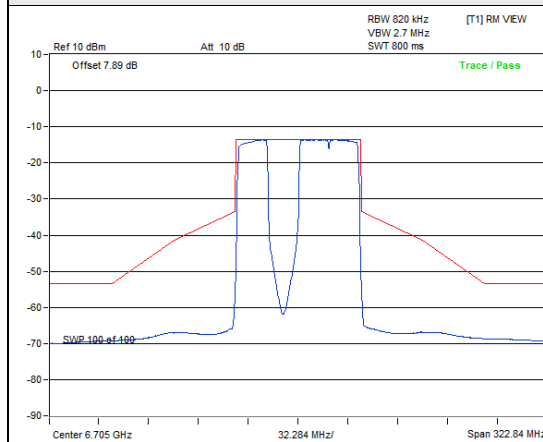


802.11be (EHT20) 106+26-tone MRU / Chain 1: CH 233

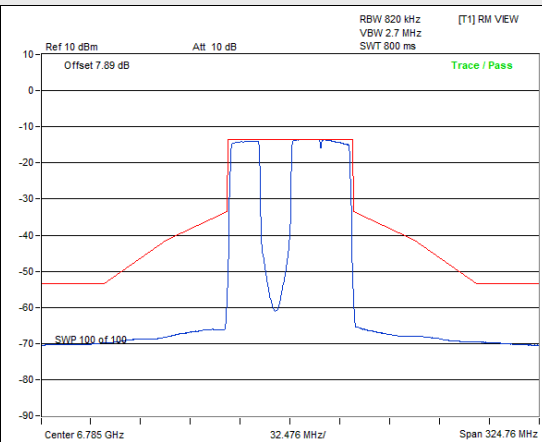
802.11be (EHT80) 484+242-tone MRU



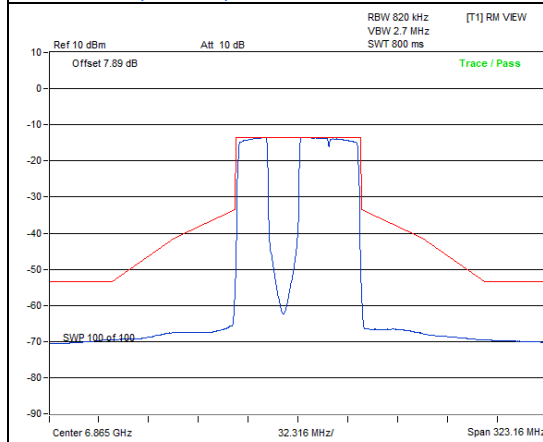
Spectrum Plot



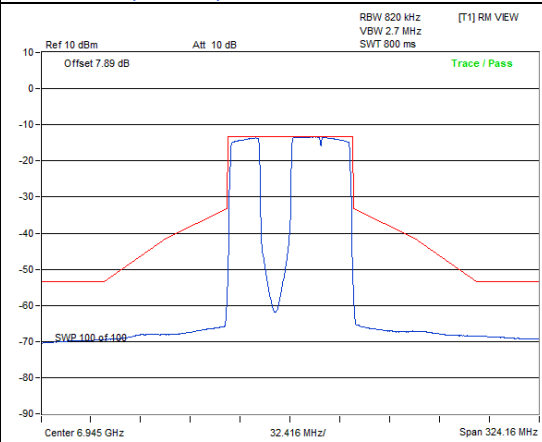
802.11be (EHT80) 484+242-tone MRU / Chain 0: CH 151



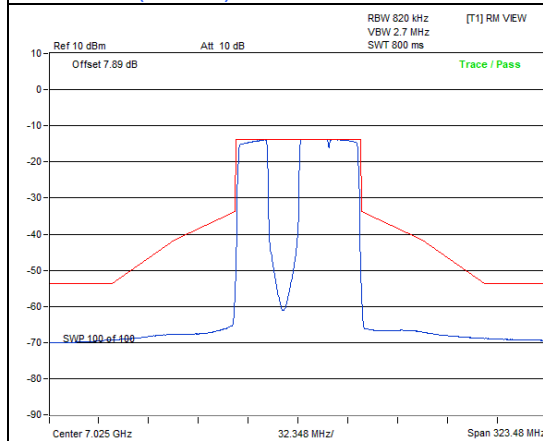
802.11be (EHT80) 484+242-tone MRU / Chain 0: CH 167



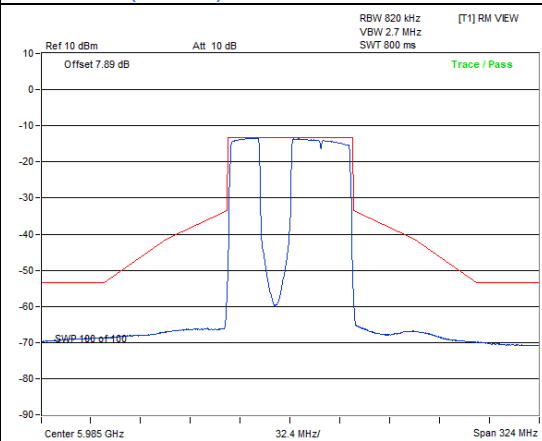
802.11be (EHT80) 484+242-tone MRU / Chain 0: CH 183



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

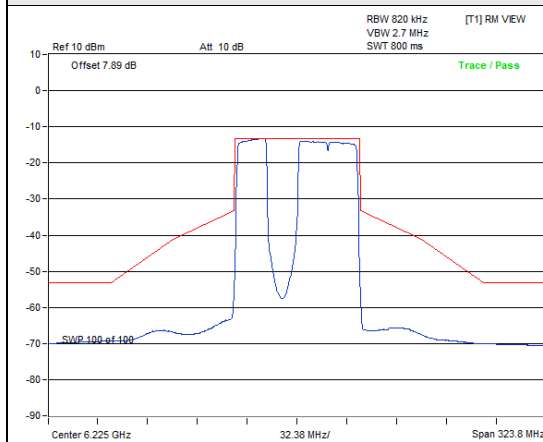


802.11be (EHT80) 484+242-tone MRU / Chain 0: CH 215

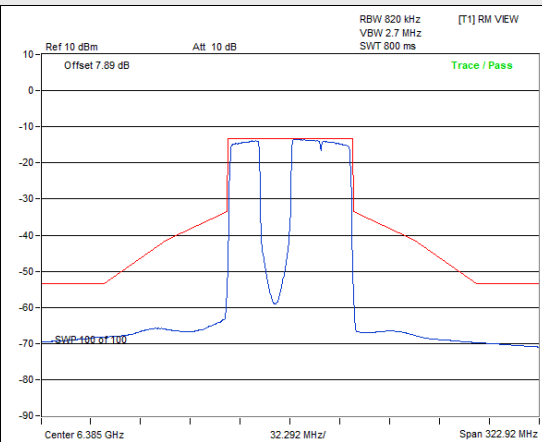


802.11be (EHT80) 484+242-tone MRU / Chain 1: CH 7

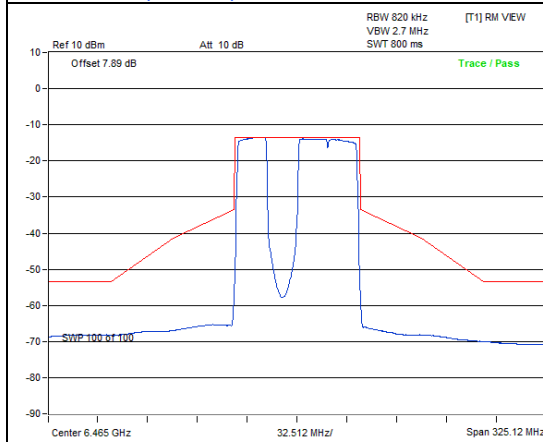
Spectrum Plot



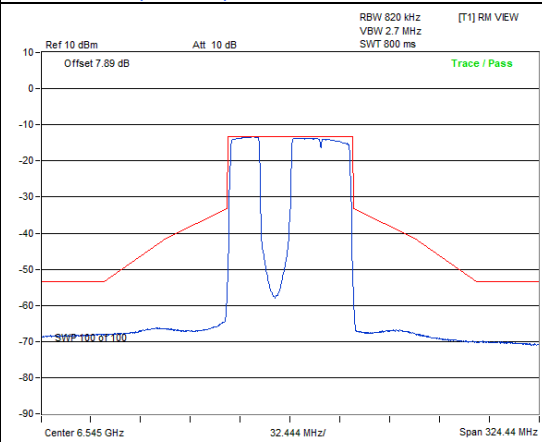
802.11be (EHT80) 484+242-tone MRU / Chain 1: CH 55



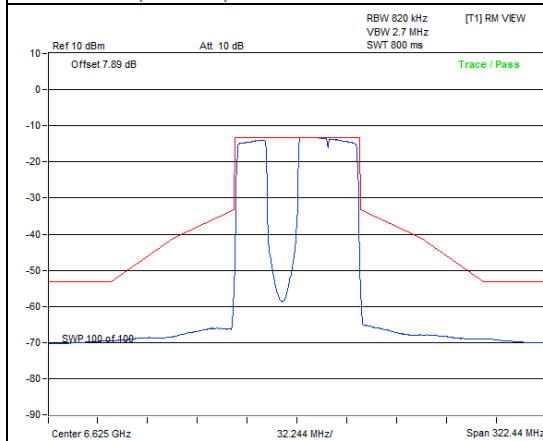
802.11be (EHT80) 484+242-tone MRU / Chain 1: CH 87



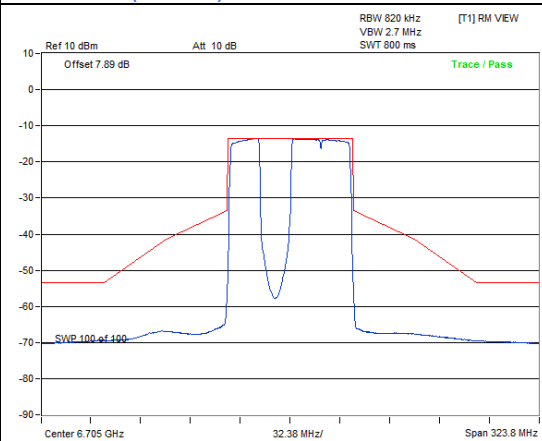
802.11be (EHT80) 484+242-tone MRU / Chain 1: CH 103



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

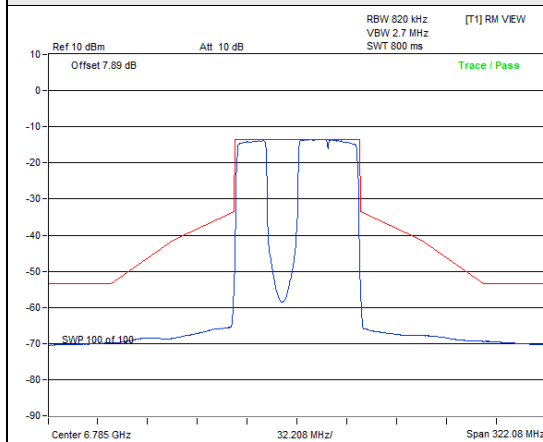


802.11be (EHT80) 484+242-tone MRU / Chain 1: CH 135

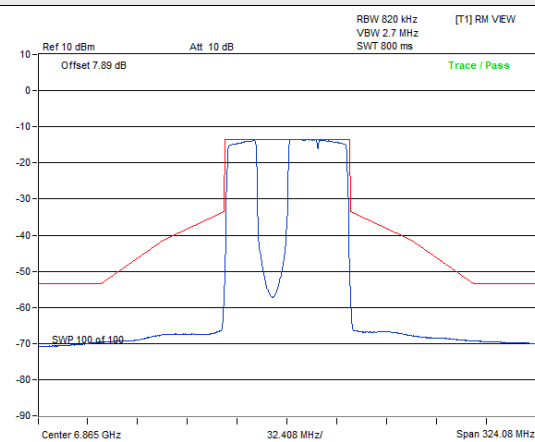


802.11be (EHT80) 484+242-tone MRU / Chain 1: CH 151

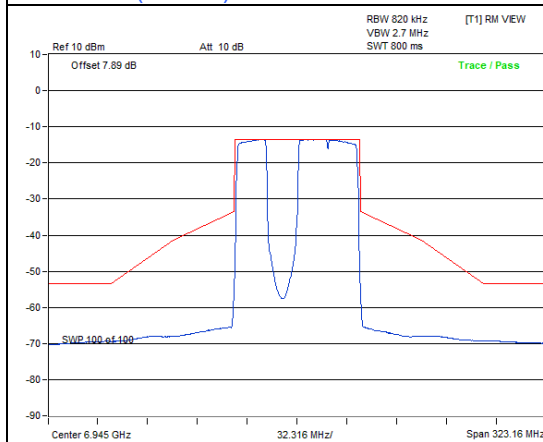
Spectrum Plot



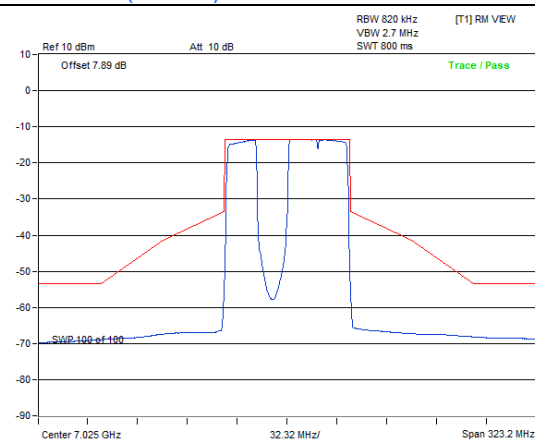
802.11be (EHT80) 484+242-tone MRU / Chain 1: CH 167



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



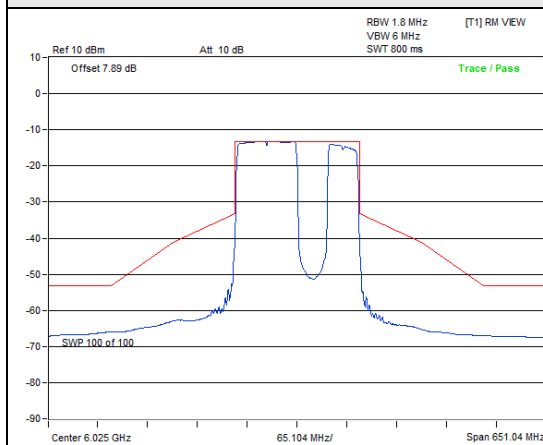
802.11be (EHT80) 484+242-tone MRU / Chain 1: CH 199



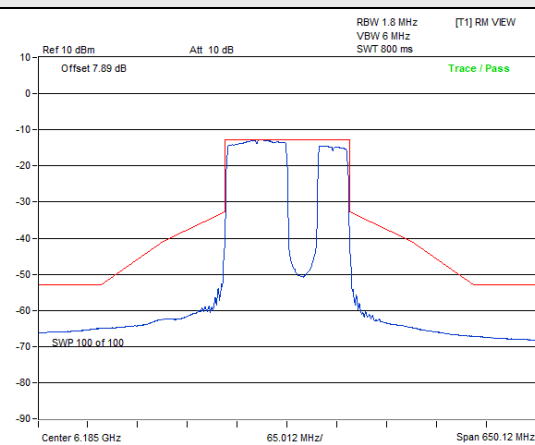
802.11be (EHT80) 484+242-tone MRU / Chain 1: CH 215

802.11be (EHT160) 996+484-tone MRU

Spectrum Plot

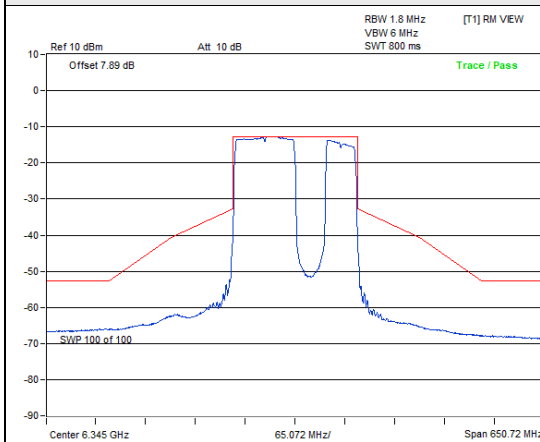


802.11be (EHT160) 996+484-tone MRU / Chain 0: CH 15

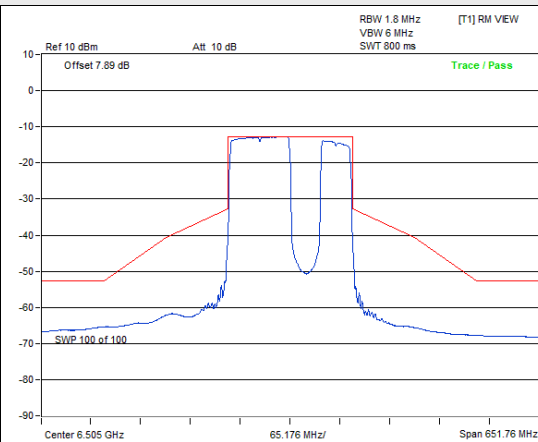


802.11be (EHT160) 996+484-tone MRU / Chain 0: CH 47

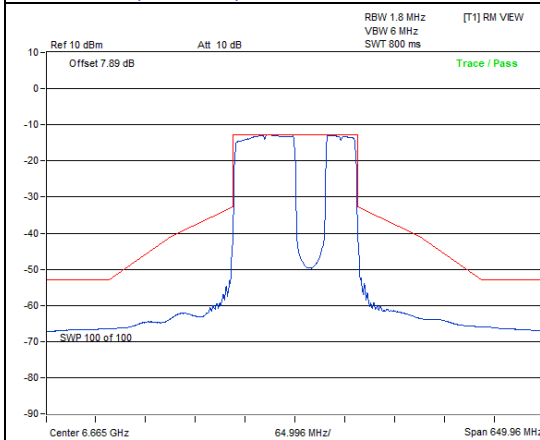
Spectrum Plot



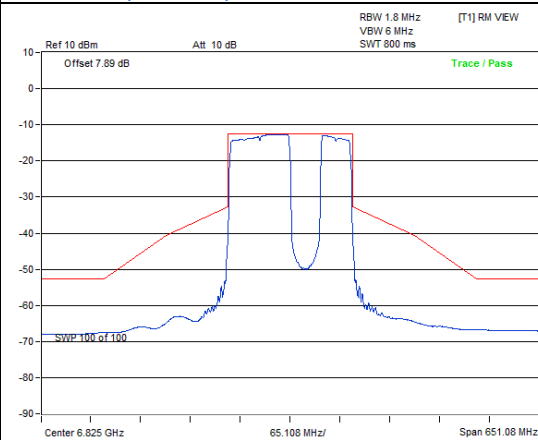
802.11be (EHT160) 996+484-tone MRU / Chain 0: CH 79



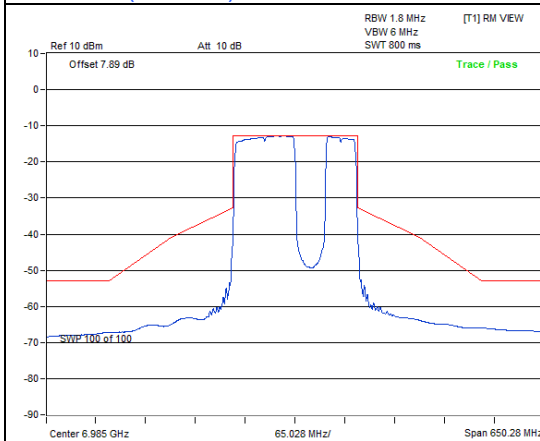
802.11be (EHT160) 996+484-tone MRU / Chain 0: CH 111



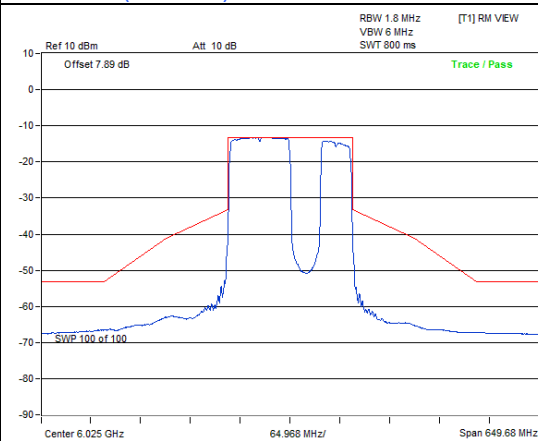
802.11be (EHT160) 996+484-tone MRU / Chain 0: CH 143



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

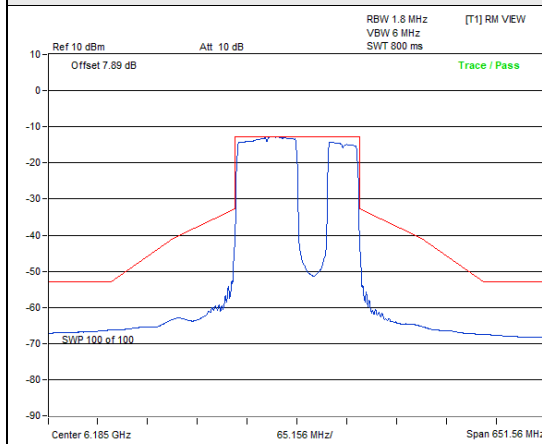


802.11be (EHT160) 996+484-tone MRU / Chain 0: CH 207

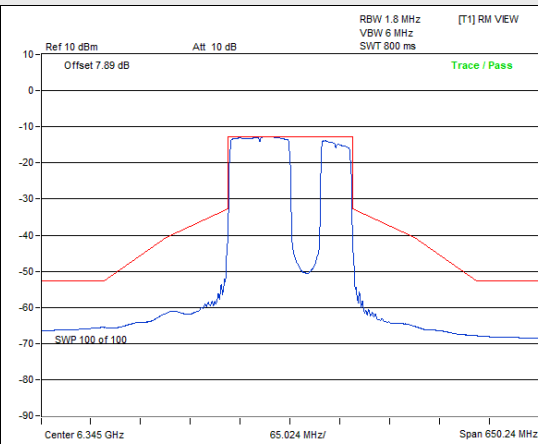


802.11be (EHT160) 996+484-tone MRU / Chain 1: CH 15

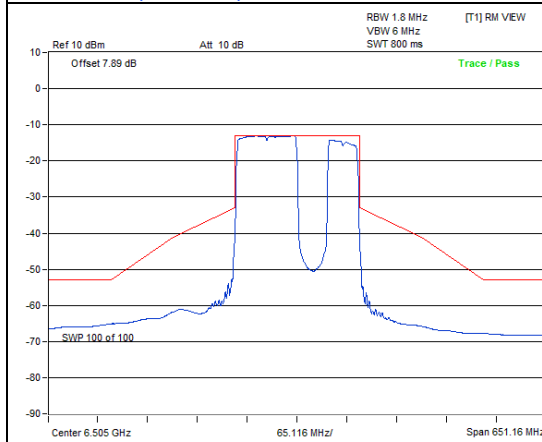
Spectrum Plot



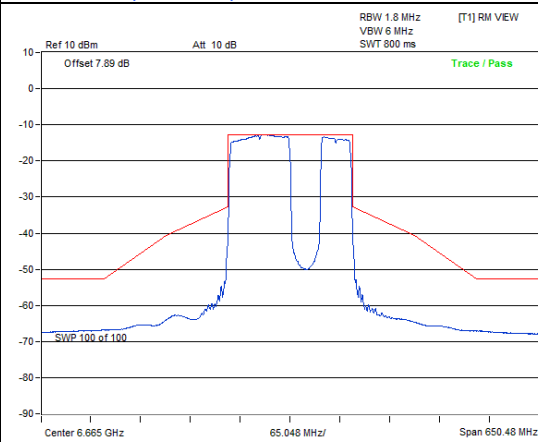
802.11be (EHT160) 996+484-tone MRU / Chain 1: CH 47



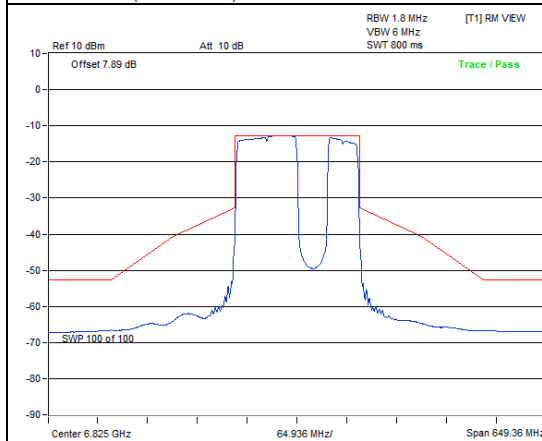
802.11be (EHT160) 996+484-tone MRU / Chain 1: CH 79



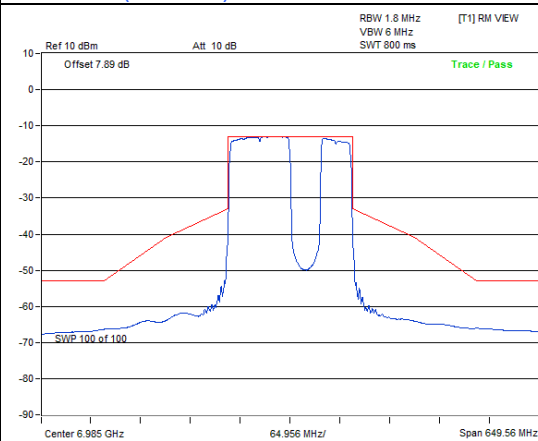
802.11be (EHT160) 996+484-tone MRU / Chain 1: CH 111



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

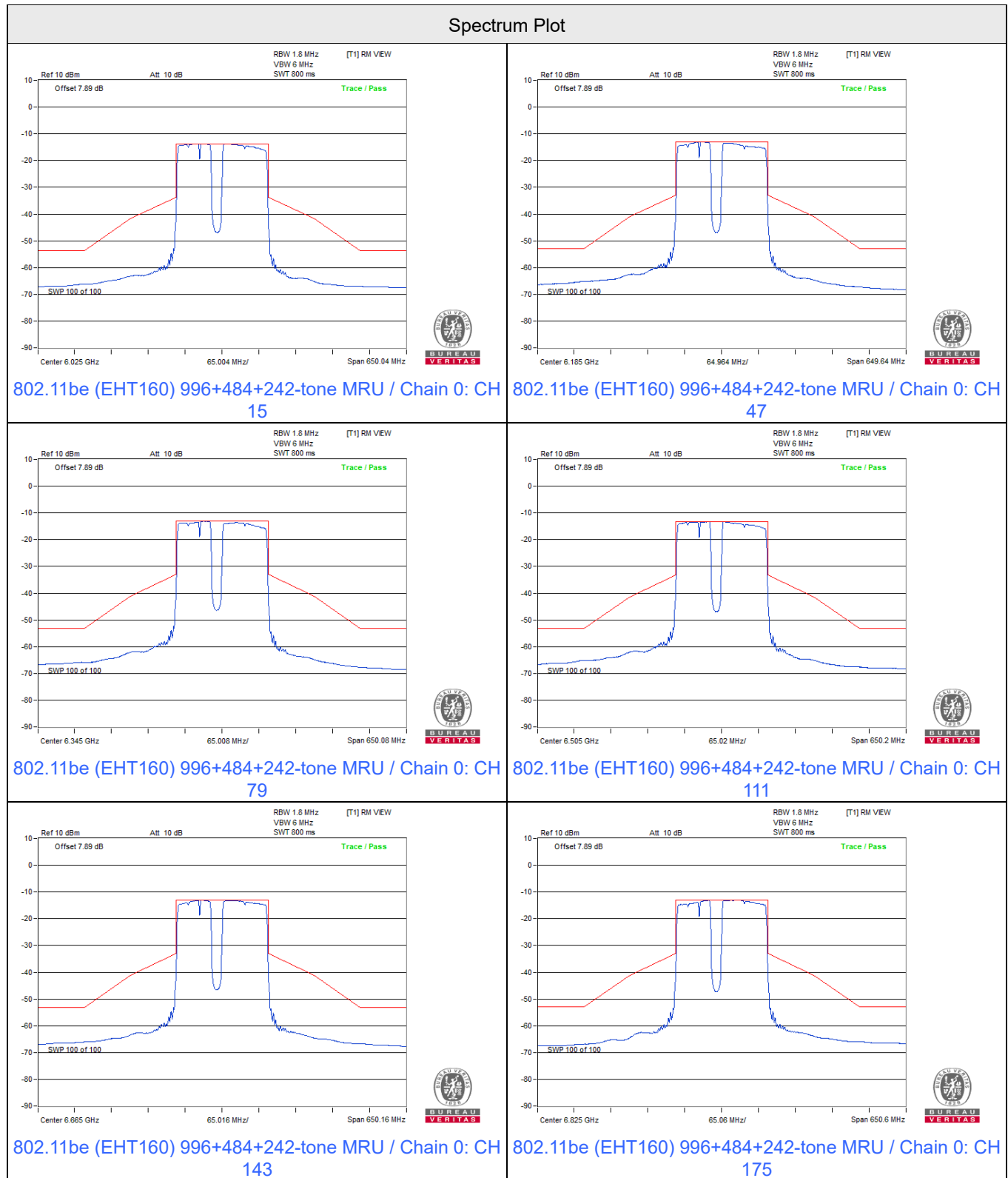


802.11be (EHT160) 996+484-tone MRU / Chain 1: CH 175

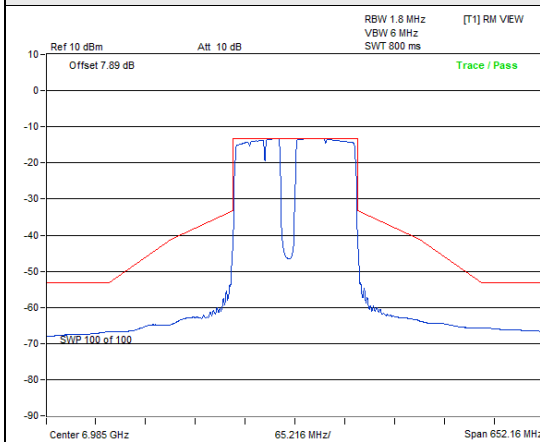


802.11be (EHT160) 996+484-tone MRU / Chain 1: CH 207

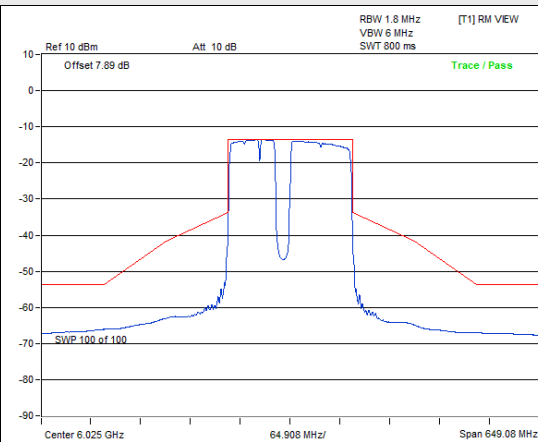
802.11be (EHT160) 996+484+242-tone MRU



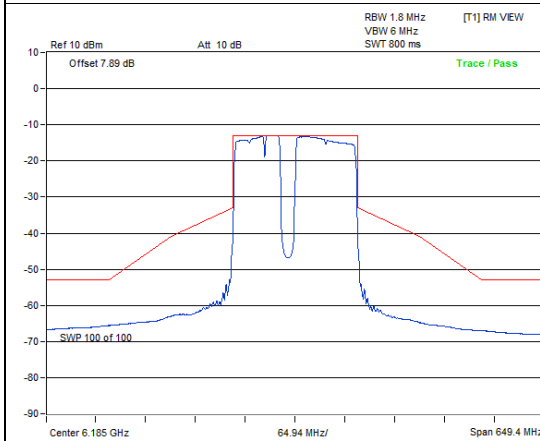
Spectrum Plot



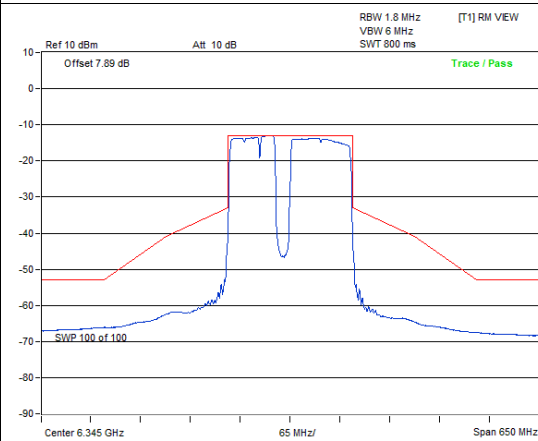
802.11be (EHT160) 996+484+242-tone MRU / Chain 0: CH
207



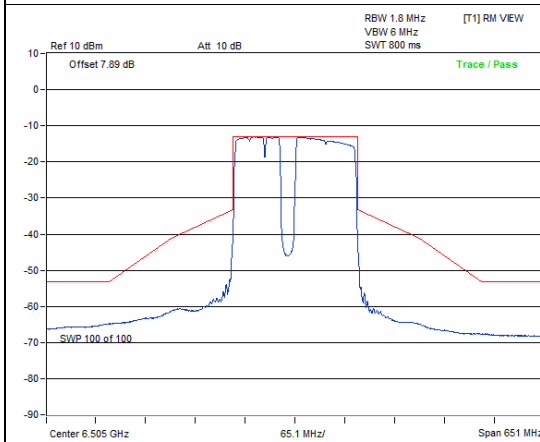
802.11be (EHT160) 996+484+242-tone MRU / Chain 1: CH
15



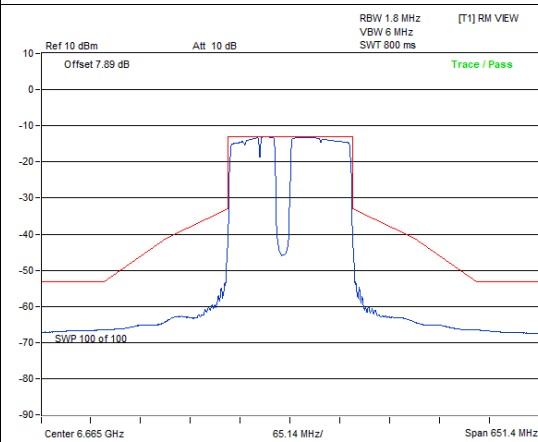
802.11be (EHT160) 996+484+242-tone MRU / Chain 1: CH
47



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



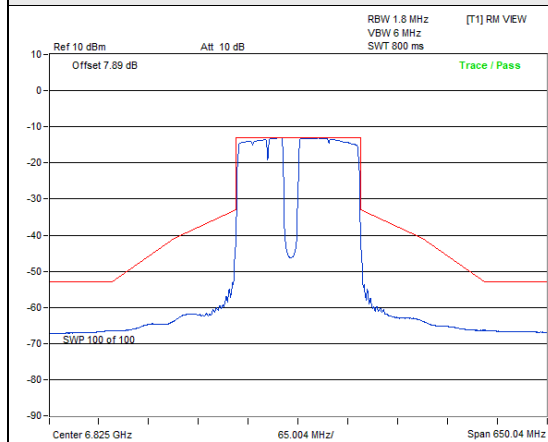
802.11be (EHT160) 996+484+242-tone MRU / Chain 1: CH
111



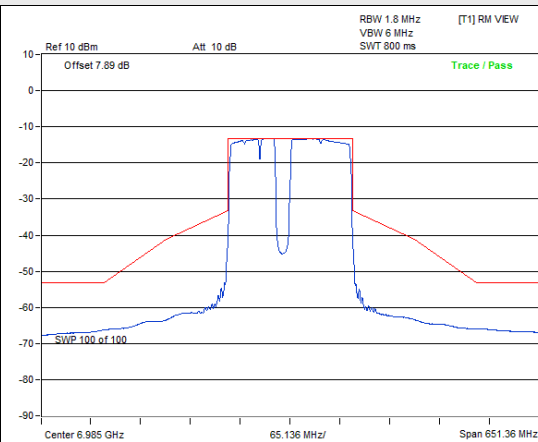
802.11be (EHT160) 996+484+242-tone MRU / Chain 1: CH
143



Spectrum Plot



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



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

7.5 Occupied Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	21°C, 64% RH	Tested By:	Katina Lu
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VLP 1Tx

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	16.38
49	6195	16.38
93	6415	16.38
97	6435	16.38
105	6475	16.38
113	6515	16.38
117	6535	16.38
149	6695	16.38
181	6855	16.38
185	6875	16.38
209	6995	16.38
233	7115	16.38

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	18.9
49	6195	18.9
93	6415	18.9
97	6435	18.9
105	6475	18.9
113	6515	18.9
117	6535	18.84
149	6695	18.9
181	6855	18.9
185	6875	18.9
209	6995	18.84
233	7115	18.9

802.11be (EHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
3	5965	38.04
51	6205	37.92
91	6405	38.04
99	6445	37.92
107	6485	37.92
115	6525	37.92
123	6565	37.92
147	6685	38.04
179	6845	37.92
187	6885	38.04
203	6965	38.04
227	7085	38.04

802.11be (EHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
7	5985	77.04
55	6225	77.52
87	6385	77.52
103	6465	77.52
119	6545	77.28
135	6625	77.52
151	6705	77.28
167	6785	77.28
183	6865	77.28
199	6945	77.04
215	7025	77.04

802.11be (EHT160)

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

802.11be (EHT20) 26-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	18.12
49	6195	18.12
93	6415	18.06
97	6435	18.18
105	6475	18
113	6515	18.18
117	6535	17.94
149	6695	18.24
181	6855	18.06
185	6875	18.12
209	6995	18.24
233	7115	18

802.11be (EHT20) 52-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	18
49	6195	18.06
93	6415	17.94
97	6435	18.06
105	6475	18
113	6515	18.06
117	6535	18.06
149	6695	18.06
181	6855	18
185	6875	18.06
209	6995	18.12
233	7115	17.94

802.11be (EHT20) 106-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	18
49	6195	17.94
93	6415	17.94
97	6435	17.94
105	6475	18.06
113	6515	17.94
117	6535	17.94
149	6695	18
181	6855	17.94
185	6875	18.06
209	6995	18.06
233	7115	17.94

802.11be (EHT20) 52+26-tone MRU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	16.98
49	6195	16.92
93	6415	16.86
97	6435	16.86
105	6475	16.92
113	6515	16.86
117	6535	16.86
149	6695	16.86
181	6855	16.86
185	6875	16.92
209	6995	16.92
233	7115	16.8

802.11be (EHT20) 106+26-tone MRU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	17.94
49	6195	17.94
93	6415	17.94
97	6435	18
105	6475	18.06
113	6515	17.94
117	6535	17.94
149	6695	17.94
181	6855	17.94
185	6875	18
209	6995	17.94
233	7115	17.94

802.11be (EHT80) 484+242-tone MRU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
7	5985	77.76
55	6225	77.52
87	6385	77.52
103	6465	77.76
119	6545	77.52
135	6625	77.52
151	6705	77.52
167	6785	77.76
183	6865	77.52
199	6945	77.52
215	7025	77.28

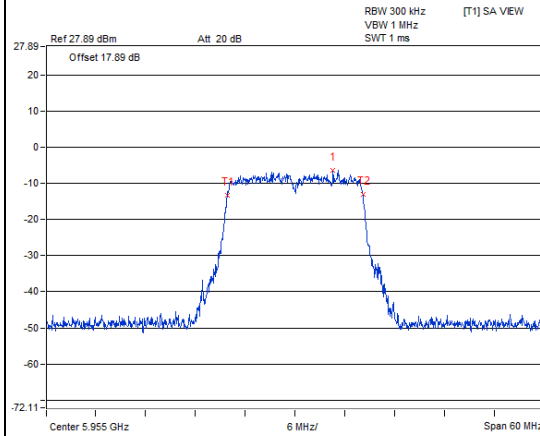
802.11be (EHT160) 996+484-tone MRU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
15	6025	156.96
47	6185	157.44
79	6345	157.44
111	6505	156.96
143	6665	157.44
175	6825	157.44
207	6985	157.44

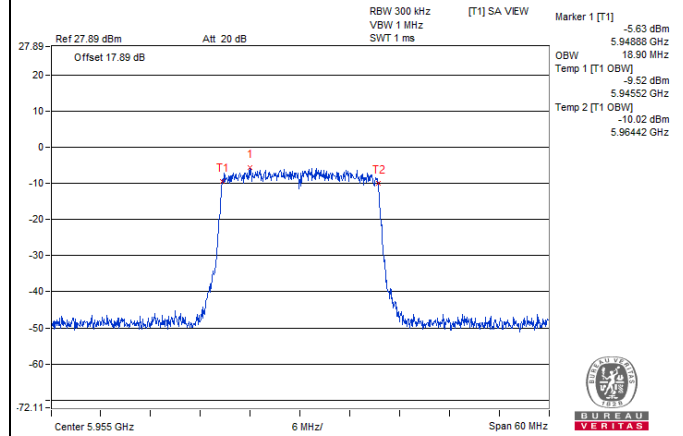
802.11be (EHT160) 996+484+242-tone MRU

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

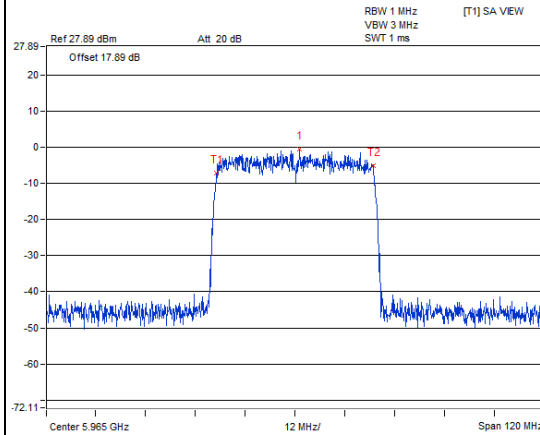
Spectrum Plot of Maximum Value



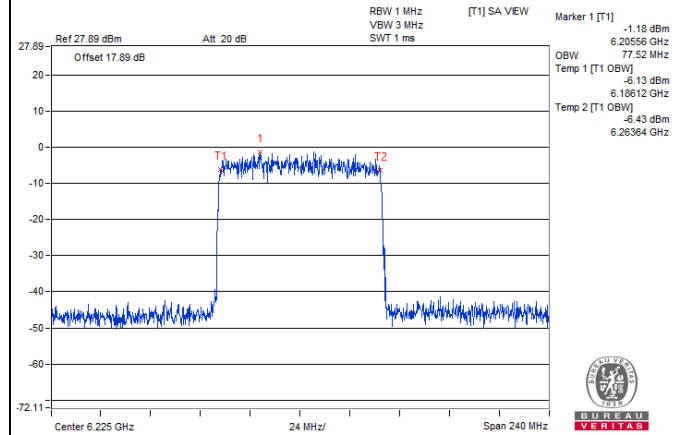
802.11a: CH 1



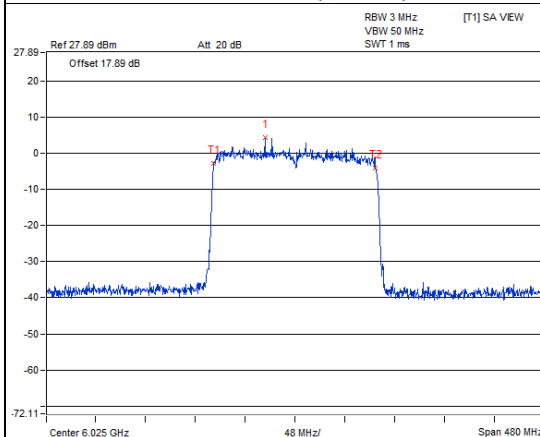
802.11be (EHT20): CH 1



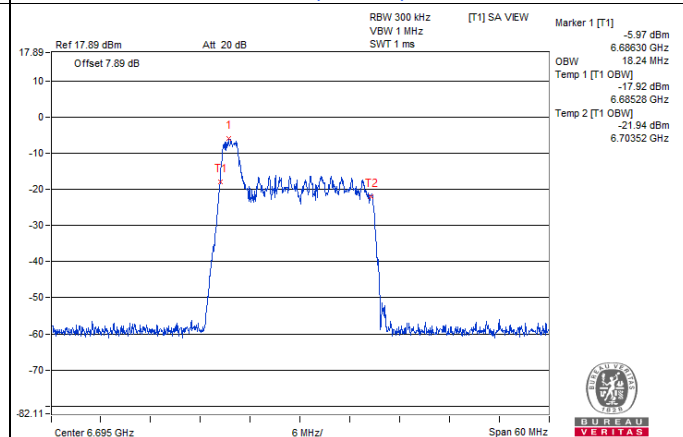
802.11be (EHT40): CH 3



802.11be (EHT80): CH 55

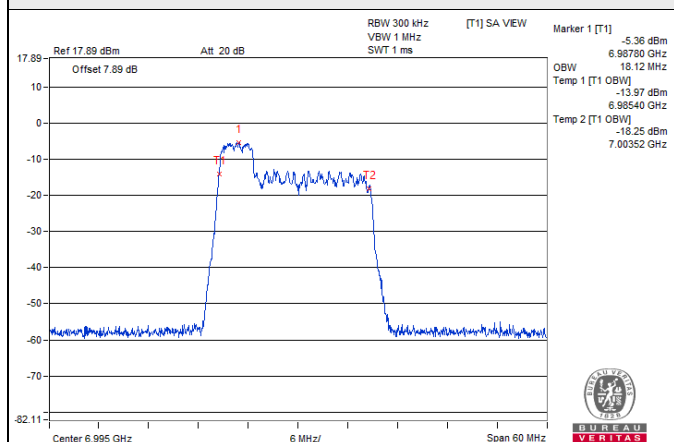


802.11be (EHT160): CH 15

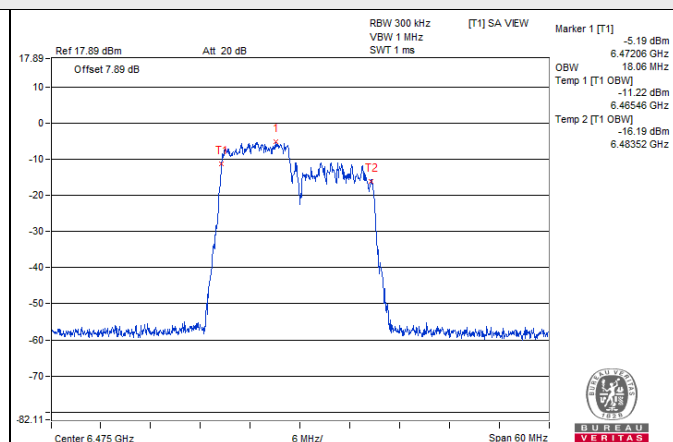


802.11be (EHT20) 26-tone RU: CH 149

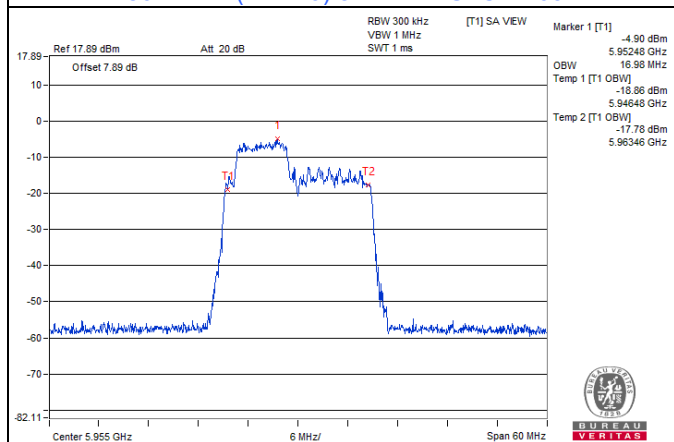
Spectrum Plot of Maximum Value



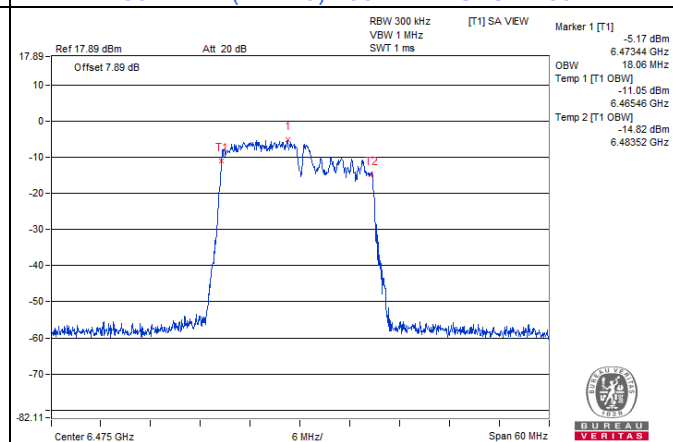
802.11be (EHT20) 52-tone RU: CH 209



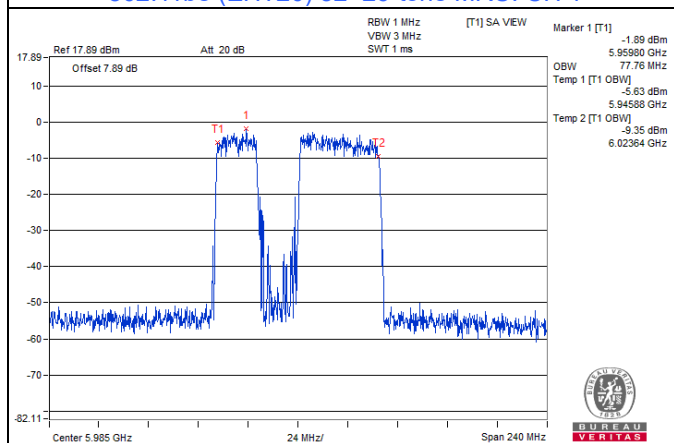
802.11be (EHT20) 106-tone RU: CH 105



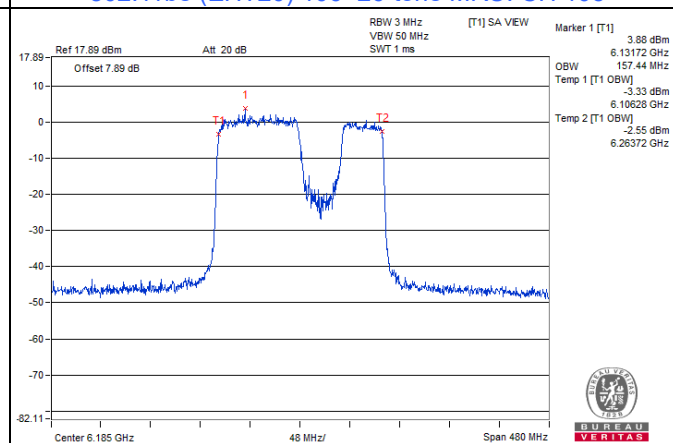
802.11be (EHT20) 52+26-tone MRU: CH 1



802.11be (EHT20) 106+26-tone MRU: CH 105

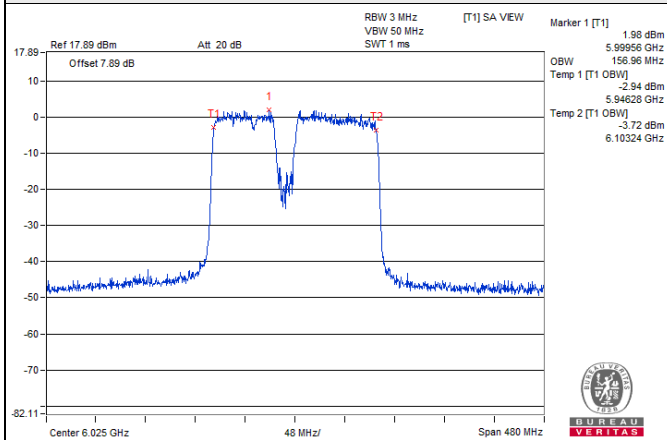


802.11be (EHT80) 484+242-tone MRU: CH 7



802.11be (EHT160) 996+484-tone MRU: CH 47

Spectrum Plot of Maximum Value



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

Input Power:	3.3 Vdc	Environmental Conditions:	24°C, 61% RH	Tested By:	Katina Lu
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VLP 2Tx

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	16.38	16.38
49	6195	16.38	16.38
93	6415	16.38	16.38
97	6435	16.38	16.38
105	6475	16.38	16.38
113	6515	16.32	16.32
117	6535	16.32	16.38
149	6695	16.38	16.38
181	6855	16.44	16.38
185	6875	16.38	16.38
209	6995	16.38	16.38
233	7115	16.38	16.38

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	18.90	18.90
49	6195	18.84	18.84
93	6415	18.90	18.90
97	6435	18.90	18.90
105	6475	18.90	18.90
113	6515	18.84	18.84
117	6535	18.90	18.90
149	6695	18.90	18.90
181	6855	18.96	18.90
185	6875	18.90	18.90
209	6995	18.84	18.90
233	7115	18.90	18.84

802.11be (EHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
3	5965	38.04	37.92
51	6205	37.92	37.92
91	6405	37.92	37.92
99	6445	37.92	37.92
107	6485	37.92	37.92
115	6525	37.92	37.92
123	6565	37.80	37.92
147	6685	37.80	37.92
179	6845	38.04	38.04
187	6885	37.80	38.04
203	6965	37.80	37.92
227	7085	38.04	38.04

802.11be (EHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
7	5985	77.28	77.28
55	6225	77.28	77.04
87	6385	77.28	76.80
103	6465	77.04	77.28
119	6545	77.28	77.52
135	6625	77.28	77.28
151	6705	77.52	77.28
167	6785	77.28	77.28
183	6865	77.28	77.52
199	6945	77.04	77.28
215	7025	77.52	77.28

802.11be (EHT160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
15	6025	156.48	156.96
47	6185	156.48	156.96
79	6345	156.48	156.96
111	6505	156.00	156.00
143	6665	156.48	156.48
175	6825	156.48	156.48
207	6985	156.00	156.00

802.11be (EHT20) 26-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	18.18	18.18
49	6195	18.06	18.00
93	6415	18.18	18.12
97	6435	18.18	18.18
105	6475	18.12	18.18
113	6515	18.12	18.06
117	6535	18.12	18.12
149	6695	18.12	18.24
181	6855	18.12	18.06
185	6875	18.18	18.24
209	6995	18.06	18.12
233	7115	18.06	17.94

802.11be (EHT20) 52-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	18.06	17.88
49	6195	17.94	17.94
93	6415	18.00	18.00
97	6435	17.88	18.00
105	6475	18.00	17.94
113	6515	17.94	18.00
117	6535	18.00	18.06
149	6695	17.94	17.94
181	6855	17.88	17.88
185	6875	18.00	18.06
209	6995	18.00	17.94
233	7115	18.00	17.94

802.11be (EHT20) 106-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	18.00	18.00
49	6195	17.94	17.94
93	6415	18.00	17.94
97	6435	18.00	18.00
105	6475	17.94	18.00
113	6515	18.00	17.88
117	6535	18.00	17.94
149	6695	18.06	18.18
181	6855	18.00	17.94
185	6875	18.00	18.00
209	6995	18.00	18.00
233	7115	18.00	17.94

802.11be (EHT20) 52+26-tone MRU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	16.92	16.74
49	6195	16.86	16.80
93	6415	16.92	16.92
97	6435	16.86	16.80
105	6475	16.86	16.86
113	6515	16.86	16.80
117	6535	16.92	16.86
149	6695	16.86	16.68
181	6855	16.80	16.86
185	6875	16.92	16.80
209	6995	16.86	16.86
233	7115	16.92	16.80

802.11be (EHT20) 106+26-tone MRU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	18.00	17.94
49	6195	18.00	18.06
93	6415	17.94	17.88
97	6435	18.00	18.00
105	6475	18.00	17.94
113	6515	18.00	18.00
117	6535	18.00	18.00
149	6695	18.06	18.12
181	6855	17.94	17.82
185	6875	18.06	18.00
209	6995	18.00	18.00
233	7115	17.94	18.00

802.11be (EHT80) 484+242-tone MRU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
7	5985	77.52	77.52
55	6225	77.52	77.52
87	6385	77.52	77.52
103	6465	77.52	77.52
119	6545	77.52	77.76
135	6625	77.28	77.52
151	6705	78.00	77.28
167	6785	77.76	77.28
183	6865	77.52	77.28
199	6945	77.52	77.76
215	7025	77.76	77.52

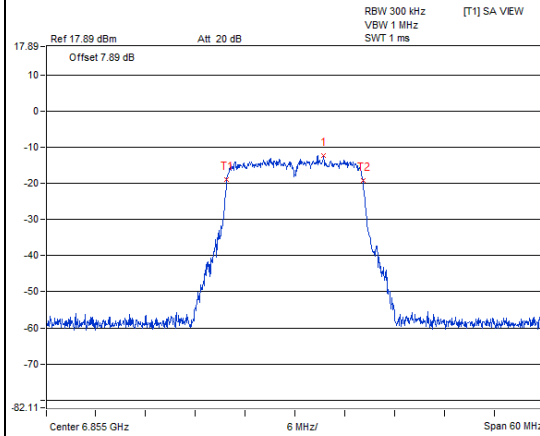
802.11be (EHT160) 996+484-tone MRU

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

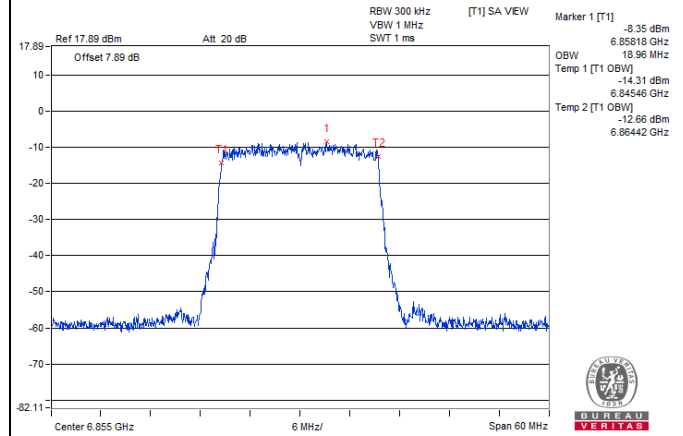
802.11be (EHT160) 996+484+242-tone MRU

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

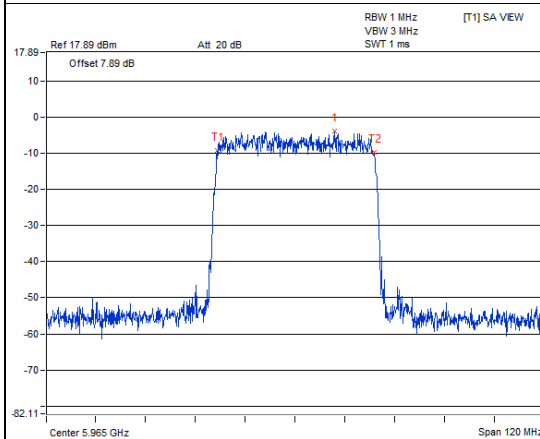
Spectrum Plot of Maximum Value



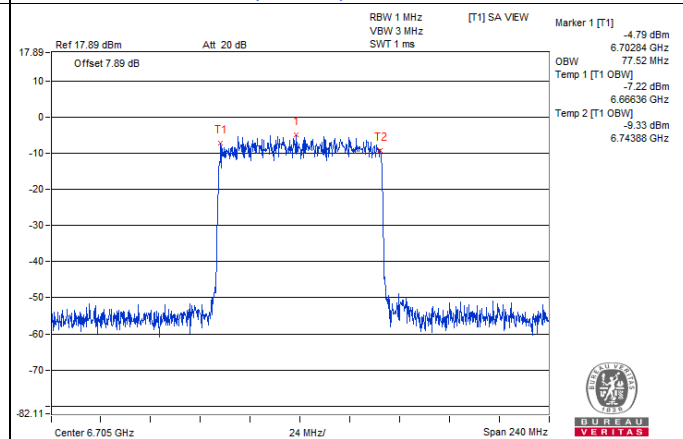
802.11a / Chain 0: CH 181



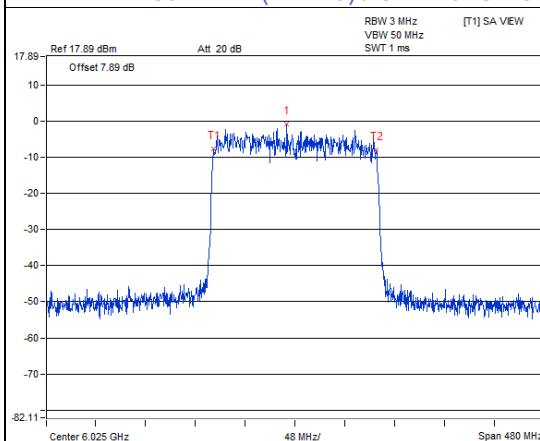
802.11be (EHT20) / Chain 0: CH 181



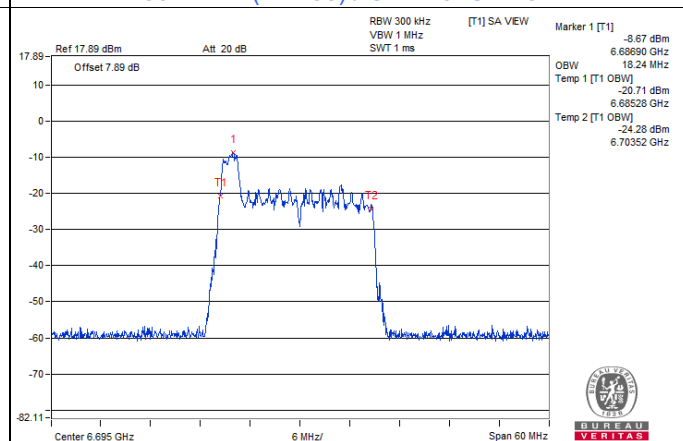
802.11be (EHT40) / Chain 0: CH 3



802.11be (EHT80) / Chain 0: CH 151

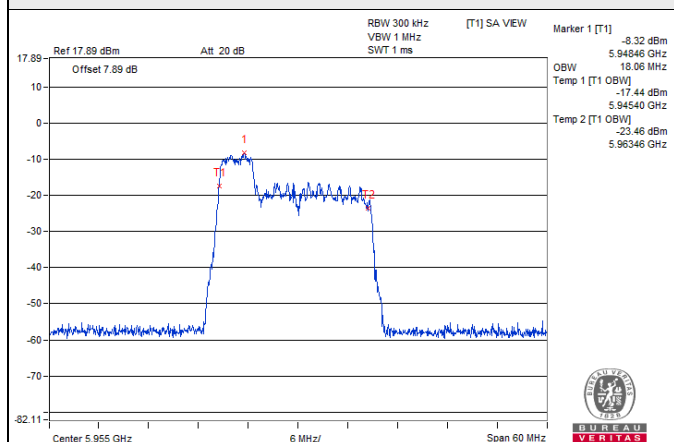


802.11be (EHT160) / Chain 1: CH 15

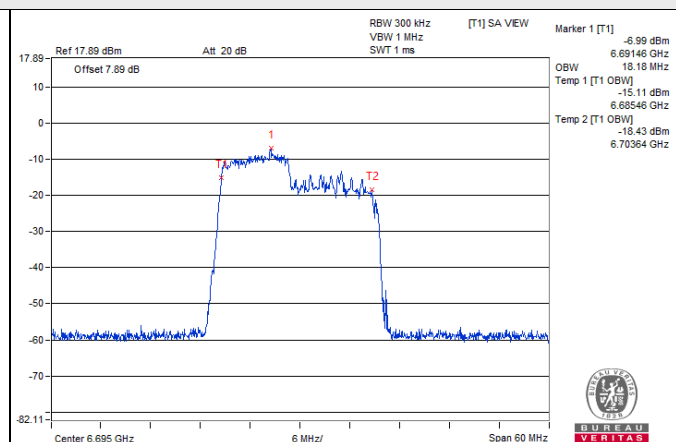


802.11be (EHT20) 26-tone RU / Chain 1: CH 149

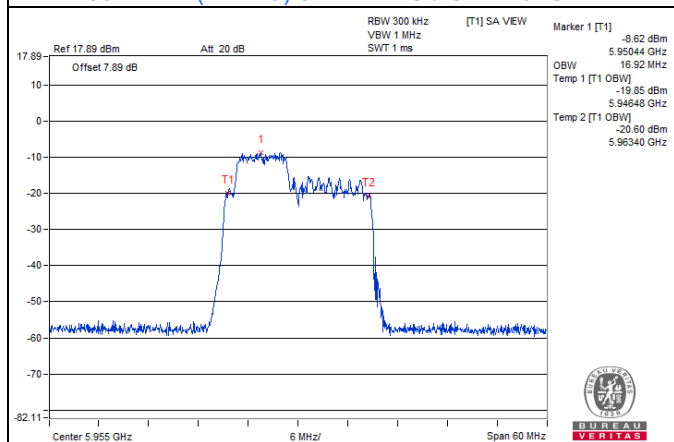
Spectrum Plot of Maximum Value



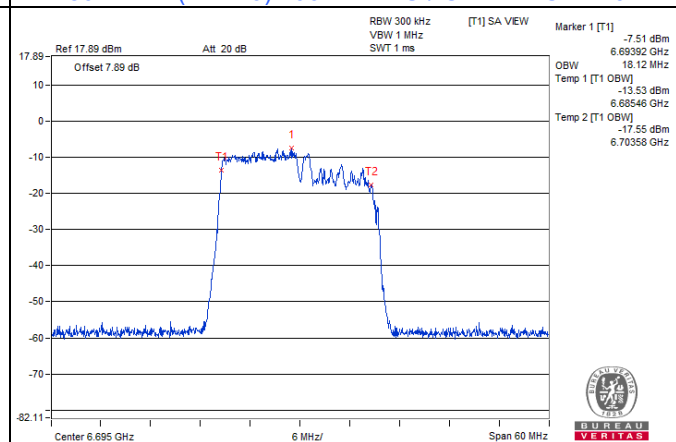
802.11be (EHT20) 52-tone RU / Chain 0: CH 1



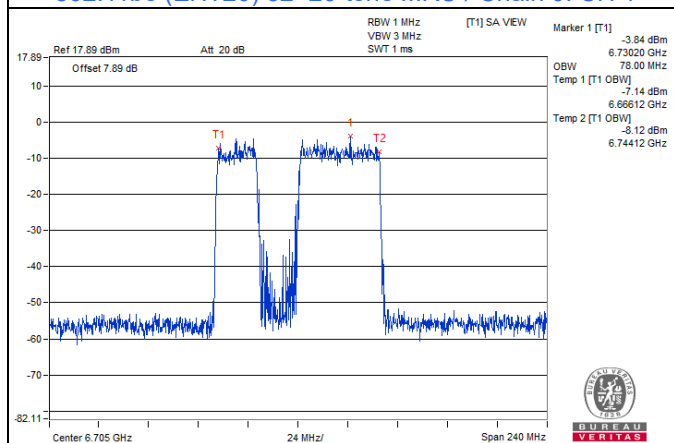
802.11be (EHT20) 106-tone RU / Chain 1: CH 149



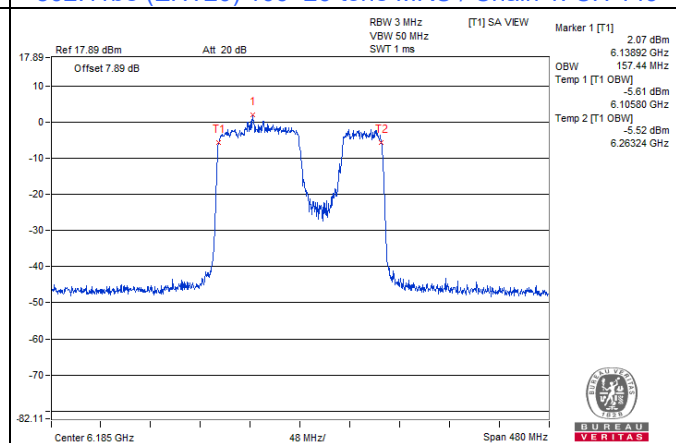
802.11be (EHT20) 52+26-tone MRU / Chain 0: CH 1



802.11be (EHT20) 106+26-tone MRU / Chain 1: CH 149



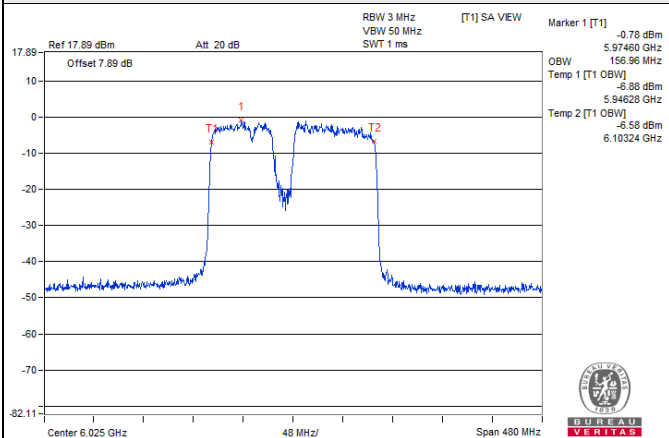
802.11be (EHT80) 484+242-tone MRU / Chain 0: CH 151



802.11be (EHT160) 996+484-tone MRU / Chain 0: CH 47



Spectrum Plot of Maximum Value



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

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
11be RTL8922D Combo module	REALTEK	RTL8922D	6002.24.141.0

For U-NII-5

Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11be	20	33	6115	6115	-82.05	-2.28	0	-79.77	-62	OFF
					-82.55	-2.28	0	-80.27	-62	Minimal
					-84.28	-2.28	0	-82	-62	ON
	160	47	6185	6110	-80.39	-2.28	0	-78.11	-62	OFF
					-80.89	-2.28	0	-78.61	-62	Minimal
					-84.28	-2.28	0	-82	-62	ON
				6185	-81.13	-2.28	0	-78.85	-62	OFF
					-81.63	-2.28	0	-79.35	-62	Minimal
					-84.28	-2.28	0	-82	-62	ON
				6260	-79.81	-2.28	0	-77.53	-62	OFF
					-80.31	-2.28	0	-78.03	-62	Minimal
					-84.28	-2.28	0	-82	-62	ON

Notes:

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