TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 15, Subpart E (Section 15.407)**
Report No.:	RFBWIN-WTW-P23020421-4 R3
FCC ID:	J9C-QCNCM825
Product:	Qualcomm WiFi 7/BT Combo module
Brand:	Qualcomm
Model No.:	QCNCM825
Received Date:	2023/2/2
Test Date:	2023/2/2 ~ 2023/5/17
Issued Date:	2023/8/23
Applicant:	Qualcomm Technologies, Inc.
Address:	5775 Morehouse Drive, San Diego, CA 92121-1714
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory
Lab Address:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
Test Location:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
FCC Registration / Designation Number:	723255 / TW2022

Approved by: _____ , **Date:** 2023/8/23

May Chen / Manager

This test report consists of 1096 pages in total. It may be duplicated completely for legal use with the approval of the applicant. It should not be reproduced except in full, without the written approval of our laboratory. The test results in the report only apply to the tested sample. The test results in this report are traceable to the national or international standards.

Prepared by : Phoenix Huang / Specialist

Table of Contents

Release Control Record

Issue No.	Description	Date Issued
RFBWIN-WTW-P23020421-4	Original release.	2023/7/5
RFBWIN-WTW-P23020421-4 R1	Modify the Indoor AP U-NII-7 frequency range on section 3.1.	2023/7/6
RFBWIN-WTW-P23020421-4 R2	1. Updated the mode C RF output power and power spectral density test results of 802.11be (EHT80) 996-tone RU SP and 802.11be (EHT160) 996+484-tone MRU SP. 2. Updated the mode C Emission Bandwidth test result of 802.11be (EHT160) 996+484-tone MRU SP and 802.11be (EHT160) Punctured by 40 MHz SP. 3. Updated the mode C Occupied Bandwidth test result of 802.11be (EHT160) 996+484-tone MRU SP.	2023/8/2
RFBWIN-WTW-P23020421-4 R3	Add description in CBP section.	2023/8/23

1 Certificate

Product:	Qualcomm WiFi 7/BT Combo module
Brand:	Qualcomm
Test Model:	QCNCM825
Sample Status:	Engineering sample
Applicant:	Qualcomm Technologies, Inc.
Test Date:	2023/2/2 ~ 2023/5/17
Standard:	47 CFR FCC Part 15, Subpart E (Section 15.407)
Measurement procedure:	ANSI C63.10-2013 KDB 987594 D02 U-NII 6 GHz EMC Measurement v01v01 KDB 789033 D02 General UNII Test Procedure New Rules v02r01 KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(7)(8)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(7)(8)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(a)(10)	Occupied Bandwidth	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -9.58 dB at 0.57152 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -3.9 dB at 114.26 MHz
15.407(b)(6) 15.407(b)(10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.33 dB at 5925.00 MHz
15.407(b)(7)	In-Band Emission Mask	Pass	Meet the requirement of limit.
15.407(d)(6)	Contention-based Protocol	Pass	Meet the requirement of limit.
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(d)	Operational restrictions for 6 GHz U-NII devices	Pass	Declaration by applicant
15.203	Antenna Requirement	Pass	Antenna connector is MHF 4L not a standard connector.
---	Emission Bandwidth	Pass	Meet the requirement of limit.

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

2.1 Measurement Uncertainty

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

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

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	Qualcomm WiFi 7/BT Combo module
Brand	Qualcomm
Test Model	QCNCM825
Status of EUT	Engineering sample
Power Supply Rating	3.3 Vdc from host equipment
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 4096QAM 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 2969.7 Mbps 802.11be: up to 5764.7 Mbps
Operating Frequency	Under control by Standard Power AP: 5.935 GHz ~ 6.415 GHz 6.535 GHz ~ 6.855 GHz Under control by Low-power Indoor AP: 5.935 GHz ~ 6.415 GHz 6.425 GHz ~ 6.525 GHz 6.535 GHz ~ 6.855 GHz 6.875 GHz ~ 7.115 GHz
Number of Channel	802.11a, 802.11ax (HE20), 802.11be (EHT20): 60 802.11ax (HE40), 802.11be (EHT40): 29 802.11ax (HE80), 802.11be (EHT80): 14 802.11ax (HE160), 802.11be (EHT160): 7 802.11be (EHT320): 6
Resource Unit (RU)	Single RU: 26-tone, 52-tone, 106-tone, 242-tone, 484-tone, 996-tone, 2 * 996-tone, 4 * 996-tone Multi-RU(Small RU): 52-tone + 26-tone, 106-tone + 26-tone Multi-RU(Large RU): 484-tone + 242-tone, 996-tone + 484-tone, 2 * 996 + 484-tone, 3 * 996-tone, 3 * 996 + 484-tone
Channel Puncturing (Large RU)	80 MHz punctured by 20 MHz, 160 MHz punctured by 20 MHz, 160 MHz punctured by 40 MHz 320 MHz punctured by 40 MHz, 320 MHz punctured by 80 MHz 320 MHz punctured by 80+40 MHz
Output Power	Under control by Low-power Indoor AP: 5.935 GHz ~ 6.415 GHz : EIRP: 205.554 mW (23.13 dBm) 6.425 GHz ~ 6.525 GHz : EIRP: 183.931 mW (22.65 dBm) 6.535 GHz ~ 6.865 GHz : EIRP: 201.027 mW (23.03 dBm) 6.875 GHz ~ 7.115 GHz : EIRP: 190.917 mW (22.81 dBm) Under control by Standard Power AP: 5.935 GHz ~ 6.415 GHz : EIRP: 683.565 mW (28.35 dBm) 6.535 GHz ~ 6.855 GHz : EIRP: 536.068 mW (27.29 dBm)
EUT Category	Client Device (controlled of an indoor AP) Client Device (controlled of an standard power AP)

Note:

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

Condition	Technology	
1	WLAN(2.4 GHz)_Ant 0+1	WLAN(5 GHz)_Ant 0+1
2	WLAN(2.4 GHz)_Ant 0+1	WLAN(6 GHz)_Ant 0+1
3	WLAN(5 GHz)_Ant 0+1	Bluetooth_Ant 0
4	WLAN(5 GHz)_Ant 0+1	Bluetooth_Ant 1
5	WLAN(5 GHz)_Ant 0+1	Bluetooth_Ant 0+1
6	WLAN(6 GHz)_Ant 0+1	Bluetooth_Ant 0
7	WLAN(6 GHz)_Ant 0+1	Bluetooth_Ant 1
8	WLAN(6 GHz)_Ant 0+1	Bluetooth_Ant 0+1
9	WLAN(2.4 GHz)_Ant 0	Bluetooth_Ant 1
10	WLAN(2.4 GHz)_Ant 1	Bluetooth_Ant 0

3. 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 3.4)
4. This device no support multiple 6E band simultaneously operation.
5. 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	Cable Loss (dB)	Antenna Type	Connector Type	Cable Length (mm)
1	Chain0/1	Hong-Bo	260-25094	3.53 3.06 3.07 4.81 4.2	2.4~2.4835 GHz 5.15~5.25 GHz 5.25~5.35 GHz 5.47~5.725 GHz 5.725~5.850 GHz	0.74 1.16 1.18 1.26 1.28	PIFA	MHF 4L	300
2	Chain0/1	Hong-Bo	260-25083	5.09 5.14 5.09 5.16 5.12	5.850~5.895 GHz 5.925~6.425 GHz 6.425~6.525 GHz 6.525~6.875 GHz 6.875~7.125 GHz	1.29 1.35 1.38 1.45 1.50	PIFA	MHF 4L	300
3	Chain0/1	Hong-Bo	260-25084	3.22 3.35 3.42 4.77 4.72 4.71 4.75 4.29 4.81 4.74	2.4~2.4835 GHz 5.150~5.250 GHz 5.250~5.350 GHz 5.470~5.725 GHz 5.725~5.850 GHz 5.850~5.895 GHz 5.925~6.425 GHz 6.425~6.525 GHz 6.525~6.875 GHz 6.875~7.125 GHz	0.49 0.76 0.77 0.80 0.84 0.84 0.86 0.91 0.96 0.98	Monopole	MHF 4L	200

* 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	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	2TX	2RX
802.11ax (HE160)	2TX	2RX
802.11be (EHT20)	2TX	2RX
802.11be (EHT40)	2TX	2RX
802.11be (EHT80)	2TX	2RX
802.11be (EHT160)	2TX	2RX
802.11be (EHT320)	2TX	2RX
802.11ax (RU26/52/106/242/484/996/996x2)	2TX	2RX
802.11be (RU26/52/106/242/484/996/996x2/996x4/ MRU52+26/106+26/484+242/ /996+484/996x2+484/996x3/ 996x3+484)	2TX	2RX
Note: The modulation and bandwidth are similar for 802.11ax/be mode for 20 MHz (40 MHz, 80 MHz, 160 MHz).		

3.3 Channel List

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

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

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
2	5935 MHz	1	5955 MHz	5	5975 MHz	9	5995 MHz
13	6015 MHz	17	6035 MHz	21	6055 MHz	25	6075 MHz
29	6095 MHz	33	6115 MHz	37	6135 MHz	41	6155 MHz
45	6175 MHz	49	6195 MHz	53	6215 MHz	57	6235 MHz
61	6255 MHz	65	6275 MHz	69	6295 MHz	73	6315 MHz
77	6335 MHz	81	6355 MHz	85	6375 MHz	89	6395 MHz
93	6415 MHz						

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

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

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

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

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

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

2 channels are provided for 802.11be (EHT320):

Channel	Frequency	Channel	Frequency
31	6105 MHz	63	6265 MHz

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

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

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

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

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

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

Channel	Frequency
103	6465 MHz

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

Channel	Frequency
*111	6505 MHz

1 channels is provided for 802.11be (EHT320):

Channel	Frequency
95	6425 MHz

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

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

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

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

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

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

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

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

Channel	Frequency	Channel	Frequency
143	6665 MHz	175	*6825 MHz

2 channels are provided for 802.11be (EHT320):

Channel	Frequency	Channel	Frequency
127	6585 MHz	159	6745 MHz

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

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

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

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

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

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

Channel	Frequency	Channel	Frequency
199	6945 MHz	215	7025 MHz

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

Channel	Frequency
207	6985 MHz

1 channels is provided for 802.11be (EHT320):

Channel	Frequency
191	6905 MHz

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

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

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

Test Item	EUT Configure Mode	Mode	Category	Tested Channel	Modulation	Data Rate	RU/MRU Index
Power Spectral Density	A	802.11a	Indoor client	2, 1, 45, 93	BPSK	6Mb/s	NA
				97, 105, 113			
				117, 149, 181, 185			
				209, 233			
		802.11be (EHT20)		2, 1, 45, 93	BPSK	MCS0	NA
				97, 105, 113			
				117, 149, 181, 185			
				209, 233			
		802.11be (EHT40)		3, 43, 91	BPSK	MCS0	NA
				99, 107, 115			
				123, 155, 179			
				187, 211, 227			
		802.11be (EHT80)		7, 39, 87	BPSK	MCS0	NA
				103			
				119, 151, 183			
				199, 215			
		802.11be (EHT160)		15, 47, 79	BPSK	MCS0	NA
				111,			
				143, 175			
				207			
		802.11be (EHT320)		31, 63	BPSK	MCS0	NA
				95, 127			
				159, 191			
		802.11be (EHT20) 26-tone RU		2, 1, 45, 93	BPSK	MCS0	0, 0, 0, 8
				97, 105, 113			0, 0, 8
				117, 149, 181, 185			0, 0, 8, 8
				209, 233			0, 8

Test Item	EUT Configure Mode	Mode	Category	Tested Channel	Modulation	Data Rate	RU/MRU Index
Power Spectral Density	A	802.11be (EHT20) 52-tone RU	Indoor client	2, 1, 45, 93	BPSK	MCS0	37, 37, 37, 40
				97, 105, 113			37, 37, 40
				117, 149, 181, 185			37, 37, 40, 40
				209, 233			37, 40
		802.11be (EHT20) 106-tone RU		2, 1, 45, 93	BPSK	MCS0	53, 53, 53, 54
				97, 105, 113			53, 53, 54
				117, 149, 181, 185			53, 53, 54, 54
				209, 233			53, 54
		802.11be (EHT20) 242-tone RU		2, 1, 45, 93	BPSK	MCS0	61, 61, 61, 61
				97, 105, 113			61, 61, 61
				117, 149, 181, 185			61, 61, 61, 61
				209, 233			61, 61
		802.11be (EHT40) 484-tone RU		3, 43, 91	BPSK	MCS0	65, 65, 65
				99, 107, 115			65, 65, 65
				123, 155, 179			65, 65, 65
				187, 211, 227			65, 65, 65
		802.11be (EHT80) 996-tone RU		7, 39, 87	BPSK	MCS0	67, 67, 67
				103			67
				119, 151, 183			67, 67, 67
				199, 215			67, 67
		802.11be (EHT160) 2x996-tone RU		15, 47, 79	BPSK	MCS0	68, 68, 68
				111			68
				143, 175			68, 68
				207			68
		802.11be (EHT20) 52+26-tone MRU		1	BPSK	MCS0	UL_RU52+26_Low_70_MCS0
				97			UL_RU52+26_High_72_MCS0
				181			UL_RU52+26_Low_70_MCS0
				209			UL_RU52+26_High_72_MCS0
		802.11be (EHT20) 106+26-tone MRU		1	BPSK	MCS0	UL_RU106+26_Low_82_MCS0
				97			UL_RU106+26_High_83_MCS0
				181			UL_RU106+26_Low_82_MCS0
				209			UL_RU106+26_High_83_MCS0
		802.11be (EHT80) 484+242-tone MRU		7	BPSK	MCS0	UL_RU484+242_Punc20_91_MCS0
				103			UL_RU484+242_Punc20_91_MCS0
				119			UL_RU484+242_Punc20_91_MCS0
				215			UL_RU484+242_Punc20_91_MCS0

Test Item	EUT Configure Mode	Mode	Category	Tested Channel	Modulation	Data Rate	RU/MRU Index
Power Spectral Density	A	802.11be (EHT160) 996+484-tone MRU	Indoor client	15	BPSK	MCS0	UL_RU996+484_Low_MCS0 UL_RU996+484_Punc40_MCS0
				111			UL_RU996+484_Low_MCS0 UL_RU996+484_Punc40_MCS0
				143			UL_RU996+484_Low_MCS0 UL_RU996+484_Punc40_MCS0
				207			UL_RU996+484_Low_MCS0 UL_RU996+484_Punc40_MCS0
		802.11be (EHT320) 2x996+484-tone MRU		31	BPSK	MCS0	UL_RU996x2+484_Punc40_MCS0
				127			UL_RU996x2+484_Punc40_MCS0
				191			UL_RU996x2+484_Punc40_MCS0
		802.11be (EHT320) 3x996-tone MRU		31	BPSK	MCS0	UL_RU996x3_Low_MCS0
				127			UL_RU996x3_Low_MCS0
				191			UL_RU996x3_Low_MCS0
		802.11be (EHT320) 3x996+484-tone MRU		31	BPSK	MCS0	UL_RU996x3+484_Low_MCS0
				127			UL_RU996x3+484_Low_MCS0
				191			UL_RU996x3+484_Low_MCS0
		802.11be (EHT80) Punctured by 20 MHz		7	BPSK	MCS0	EHT80_SU_Punct20_Mid2
				103			EHT80_SU_Punct20_Mid2
				119			EHT80_SU_Punct20_Mid2
				215			EHT80_SU_Punct20_Mid2
		802.11be (EHT160) Punctured by 20 MHz		15	BPSK	MCS0	EHT160_SU_Punct20_High
				111			EHT160_SU_Punct20_High
				143			EHT160_SU_Punct20_High
				207			EHT160_SU_Punct20_High
		802.11be (EHT160) Punctured by 40 MHz		15	BPSK	MCS0	EHT160_SU_Punct40_Mid2
				111			EHT160_SU_Punct40_Mid2
				143			EHT160_SU_Punct40_Mid2
				207			EHT160_SU_Punct40_Mid2
		802.11be (EHT320) Punctured by 40 MHz		31	BPSK	MCS0	EHT320_SU_Punct40_Mid2
				127			EHT320_SU_Punct40_Mid2
				191			EHT320_SU_Punct40_Mid2
		802.11be (EHT320) Punctured by 80 MHz		31	BPSK	MCS0	EHT320_SU_Punct80_Mid2
				127			EHT320_SU_Punct80_Mid2
				191			EHT320_SU_Punct80_Mid2
		802.11be (EHT320) Punctured by 80+40 MHz		31	BPSK	MCS0	EHT320_SU_Punct120_Mid
				127			EHT320_SU_Punct120_Mid
				191			EHT320_SU_Punct120_Mid
	C	802.11a	Outdoor client	2, 1, 45, 93	BPSK	6Mb/s	NA
				117, 149, 181			
		802.11be (EHT20)		2, 1, 45, 93	BPSK	MCS0	NA
				117, 149, 181			
		802.11be (EHT40)		3, 43, 91	BPSK	MCS0	NA
				123, 155, 179			
		802.11be (EHT80)		7, 39, 87	BPSK	MCS0	NA
				135, 151, 167			
		802.11be (EHT160)		15, 47, 79	BPSK	MCS0	NA
				143			
		802.11be (EHT320)		31, 63	BPSK	MCS0	NA

Test Item	EUT Configure Mode	Mode	Category	Tested Channel	Modulation	Data Rate	RU/MRU Index
Power Spectral Density	C	802.11be (EHT20) 26-tone RU	Outdoor client	2, 1, 45, 93	BPSK	MCS0	0, 0, 0, 8
				117, 149, 181			0, 0, 8
		802.11be (EHT20) 52-tone RU		2, 1, 45, 93	BPSK	MCS0	37, 37, 37, 40
				117, 149, 181			37, 37, 40
		802.11be (EHT20) 106-tone RU		2, 1, 45, 93	BPSK	MCS0	53, 53, 53, 54
				117, 149, 181			53, 53, 54
		802.11be (EHT20) 242-tone RU		2, 1, 45, 93	BPSK	MCS0	61,61, 61, 61
				117, 149, 181			61, 61, 61
		802.11be (EHT40) 484-tone RU		3, 43, 91	BPSK	MCS0	65, 65, 65
				123, 155, 179			65, 65, 65
		802.11be (EHT80) 996-tone RU		7, 39, 87	BPSK	MCS0	67, 67, 67
				135, 151, 167			67, 67, 67
		802.11be (EHT160) 2x996-tone RU		15, 47, 79	BPSK	MCS0	68, 68, 68
				143			68
		802.11be (EHT20) 52+26-tone MRU		1	BPSK	MCS0	UL_RU52+26_Low_70_MCS0
				117			UL_RU52+26_High_72_MCS0
		802.11be (EHT20) 106+26-tone MRU		1	BPSK	MCS0	UL_RU106+26_Low_82_MCS0
				117			UL_RU106+26_High_83_MCS0
		802.11be (EHT80) 484+242-tone MRU		7	BPSK	MCS0	UL_RU484+242_Punc20_91_MCS0
				135			UL_RU484+242_Punc20_91_MCS0
		802.11be (EHT160) 996+484-tone MRU		15	BPSK	MCS0	UL_RU996+484_Punc40_MCS0
				143			UL_RU996+484_Punc40_MCS0
		802.11be (EHT320) 2x996+484-tone MRU		31	BPSK	MCS0	UL_RU996x2+484_Low_MCS0
		802.11be (EHT320) 3x996-tone MRU		31	BPSK	MCS0	UL_RU996x3_Low_MCS0
		802.11be (EHT320) 3x996+484-tone MRU		31	BPSK	MCS0	UL_RU996x3+484_Low_MCS0

Test Item	EUT Configure Mode	Mode	Category	Tested Channel	Modulation	Data Rate	RU/MRU Index
Power Spectral Density	C	802.11be (EHT80) Punctured by 20 MHz	Outdoor client	7	BPSK	MCS0	EHT80_SU_Punct20_Mid2
				135			EHT80_SU_Punct20_Mid2
		802.11be (EHT160) Punctured by 20 MHz		15	BPSK	MCS0	EHT160_SU_Punct20_High
				143			EHT160_SU_Punct20_High
		802.11be (EHT160) Punctured by 40 MHz		15	BPSK	MCS0	EHT160_SU_Punct40_High
				143			EHT160_SU_Punct40_High
		802.11be (EHT320) Punctured by 40 MHz		31	BPSK	MCS0	EHT320_SU_Punct40_Mid2
		802.11be (EHT320) Punctured by 80 MHz		31	BPSK	MCS0	EHT320_SU_Punct80_Mid2
		802.11be (EHT320) Punctured by 80+40 MHz		31	BPSK	MCS0	EHT320_SU_Punct120_Mid
RF Output Power	A	802.11a	Indoor client	2, 1, 45, 93	BPSK	6Mb/s	NA
				97, 105, 113			
				117, 149, 181, 185			
				209, 233			
		802.11be (EHT20)		2, 1, 45, 93	BPSK	MCS0	NA
				97, 105, 113			
				117, 149, 181, 185			
				209, 233			
		802.11be (EHT40)		3, 43, 91	BPSK	MCS0	NA
				99, 107, 115			
				123, 155, 179			
				187, 211, 227			
		802.11be (EHT80)		7, 39, 87	BPSK	MCS0	NA
				103			
				119, 151, 183			
				199, 215			
		802.11be (EHT160)		15, 47, 79	BPSK	MCS0	NA
				111,			
				143, 175			
				207			
		802.11be (EHT320)		31, 63	BPSK	MCS0	NA
				95, 127			
				159, 191			

Test Item	EUT Configure Mode	Mode	Category	Tested Channel	Modulation	Data Rate	RU/MRU Index
RF Output Power	A	802.11be (EHT20) 26-tone RU	Indoor client	2, 1, 45, 93	BPSK	MCS0	0, 0, 0, 8
				97, 105, 113			0, 0, 8
				117, 149, 181, 185			0, 0, 8, 8
				209, 233			0, 8
		802.11be (EHT20) 52-tone RU		2, 1, 45, 93	BPSK	MCS0	37, 37, 37, 40
				97, 105, 113			37, 37, 40
				117, 149, 181, 185			37, 37, 40, 40
				209, 233			37, 40
		802.11be (EHT20) 106-tone RU		2, 1, 45, 93	BPSK	MCS0	53, 53, 53, 54
				97, 105, 113			53, 53, 54
				117, 149, 181, 185			53, 53, 54, 54
				209, 233			53, 54
		802.11be (EHT20) 242-tone RU		2, 1, 45, 93	BPSK	MCS0	61, 61, 61, 61
				97, 105, 113			61, 61, 61
				117, 149, 181, 185			61, 61, 61, 61
				209, 233			61, 61
		802.11be (EHT40) 484-tone RU		3, 43, 91	BPSK	MCS0	65, 65, 65
				99, 107, 115			65, 65, 65
				123, 155, 179			65, 65, 65
				187, 211, 227			65, 65, 65
		802.11be (EHT80) 996-tone RU		7, 39, 87	BPSK	MCS0	67, 67, 67
				103			67
				119, 151, 183			67, 67, 67
				199, 215			67, 67
		802.11be (EHT160) 2x996-tone RU		15, 47, 79	BPSK	MCS0	68, 68, 68
				111			68
				143, 175			68, 68
				207			68

Test Item	EUT Configure Mode	Mode	Category	Tested Channel	Modulation	Data Rate	RU/MRU Index
RF Output Power	A	802.11be (EHT20) 52+26-tone MRU	Indoor client	1	BPSK	MCS0	UL_RU52+26_Low_70_MCS0
				97			UL_RU52+26_High_72_MCS0
				181			UL_RU52+26_Low_70_MCS0
				209			UL_RU52+26_High_72_MCS0
		802.11be (EHT20) 106+26-tone MRU		1	BPSK	MCS0	UL_RU106+26_Low_82_MCS0
				97			UL_RU106+26_High_83_MCS0
				181			UL_RU106+26_Low_82_MCS0
				209			UL_RU106+26_High_83_MCS0
		802.11be (EHT80) 484+242-tone MRU		7	BPSK	MCS0	UL_RU484+242_Punc20_91_MCS0
				103			UL_RU484+242_Punc20_91_MCS0
				119			UL_RU484+242_Punc20_91_MCS0
				215			UL_RU484+242_Punc20_91_MCS0
		802.11be (EHT160) 996+484-tone MRU		15	BPSK	MCS0	UL_RU996+484_Low_MCS0 UL_RU996+484_Punc40_MCS0
				111			UL_RU996+484_Low_MCS0 UL_RU996+484_Punc40_MCS0
				143			UL_RU996+484_Low_MCS0 UL_RU996+484_Punc40_MCS0
				207			UL_RU996+484_Low_MCS0 UL_RU996+484_Punc40_MCS0
		802.11be (EHT320) 2x996+484-tone MRU		31	BPSK	MCS0	UL_RU996x2+484_Punc40_MCS0
				127			UL_RU996x2+484_Punc40_MCS0
				191			UL_RU996x2+484_Punc40_MCS0
		802.11be (EHT320) 3x996-tone MRU		31	BPSK	MCS0	UL_RU996x3_Low_MCS0
				127			UL_RU996x3_Low_MCS0
				191			UL_RU996x3_Low_MCS0
		802.11be (EHT320) 3x996+484-tone MRU		31	BPSK	MCS0	UL_RU996x3+484_Low_MCS0
				127			UL_RU996x3+484_Low_MCS0
				191			UL_RU996x3+484_Low_MCS0
		802.11be (EHT80) Punctured by 20 MHz		7	BPSK	MCS0	EHT80_SU_Punct20_Mid2
				103			EHT80_SU_Punct20_Mid2
				119			EHT80_SU_Punct20_Mid2
				215			EHT80_SU_Punct20_Mid2
		802.11be (EHT160) Punctured by 20 MHz		15	BPSK	MCS0	EHT160_SU_Punct20_High
				111			EHT160_SU_Punct20_High
				143			EHT160_SU_Punct20_High
				207			EHT160_SU_Punct20_High
		802.11be (EHT160) Punctured by 40 MHz		15	BPSK	MCS0	EHT160_SU_Punct40_Mid2
				111			EHT160_SU_Punct40_Mid2
				143			EHT160_SU_Punct40_Mid2
				207			EHT160_SU_Punct40_Mid2
		802.11be (EHT320) Punctured by 40 MHz		31	BPSK	MCS0	EHT320_SU_Punct40_Mid2
				127			EHT320_SU_Punct40_Mid2
				191			EHT320_SU_Punct40_Mid2
		802.11be (EHT320) Punctured by 80 MHz		31	BPSK	MCS0	EHT320_SU_Punct80_Mid2
				127			EHT320_SU_Punct80_Mid2
				191			EHT320_SU_Punct80_Mid2
		802.11be (EHT320) Punctured by 80+40 MHz		31	BPSK	MCS0	EHT320_SU_Punct120_Mid
				127			EHT320_SU_Punct120_Mid
				191			EHT320_SU_Punct120_Mid

Test Item	EUT Configure Mode	Mode	Category	Tested Channel	Modulation	Data Rate	RU/MRU Index
RF Output Power	C	802.11a	Outdoor client	2, 1, 45, 93	BPSK	6Mb/s	NA
				117, 149, 181			
		802.11be (EHT20)		2, 1, 45, 93	BPSK	MCS0	NA
				117, 149, 181			
		802.11be (EHT40)		3, 43, 91	BPSK	MCS0	NA
				123, 155, 179			
		802.11be (EHT80)		7, 39, 87	BPSK	MCS0	NA
				135, 151, 167			
		802.11be (EHT160)		15, 47, 79	BPSK	MCS0	NA
				143			
		802.11be (EHT320)		31, 63	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU		2, 1, 45, 93	BPSK	MCS0	0, 0, 0, 8
				117, 149, 181			0, 0, 8
		802.11be (EHT20) 52-tone RU		2, 1, 45, 93	BPSK	MCS0	37, 37, 37, 40
				117, 149, 181			37, 37, 40
		802.11be (EHT20) 106-tone RU		2, 1, 45, 93	BPSK	MCS0	53, 53, 53, 54
				117, 149, 181			53, 53, 54
		802.11be (EHT20) 242-tone RU		2, 1, 45, 93	BPSK	MCS0	61,61, 61, 61
				117, 149, 181			61, 61, 61
		802.11be (EHT40) 484-tone RU		3, 43, 91	BPSK	MCS0	65, 65, 65
				123, 155, 179			65, 65, 65
		802.11be (EHT80) 996-tone RU		7, 39, 87	BPSK	MCS0	67, 67, 67
				135, 151, 167			67, 67, 67
		802.11be (EHT160) 2x996-tone RU		15, 47, 79	BPSK	MCS0	68, 68, 68
				143			68

Test Item	EUT Configure Mode	Mode	Category	Tested Channel	Modulation	Data Rate	RU/MRU Index
RF Output Power	C	802.11be (EHT20) 52+26-tone MRU	Outdoor client	1	BPSK	MCS0	UL_RU52+26_Low_70_MCS0
				117			UL_RU52+26_High_72_MCS0
		802.11be (EHT20) 106+26-tone MRU		1	BPSK	MCS0	UL_RU106+26_Low_82_MCS0
				117			UL_RU106+26_High_83_MCS0
		802.11be (EHT80) 484+242-tone MRU		7	BPSK	MCS0	UL_RU484+242_Punc20_91_MCS0
				135			UL_RU484+242_Punc20_91_MCS0
		802.11be (EHT160) 996+484-tone MRU		15	BPSK	MCS0	UL_RU996+484_Punc40_MCS0
				143			UL_RU996+484_Punc40_MCS0
		802.11be (EHT320) 2x996+484-tone MRU		31	BPSK	MCS0	UL_RU996x2+484_Low_MCS0
		802.11be (EHT320) 3x996-tone MRU		31	BPSK	MCS0	UL_RU996x3_Low_MCS0
		802.11be (EHT320) 3x996+484-tone MRU		31	BPSK	MCS0	UL_RU996x3+484_Low_MCS0
		802.11be (EHT80) Punctured by 20 MHz		7	BPSK	MCS0	EHT80_SU_Punct20_Mid2
				135			EHT80_SU_Punct20_Mid2
		802.11be (EHT160) Punctured by 20 MHz		15	BPSK	MCS0	EHT160_SU_Punct20_High
				143			EHT160_SU_Punct20_High
		802.11be (EHT160) Punctured by 40 MHz		15	BPSK	MCS0	EHT160_SU_Punct40_High
				143			EHT160_SU_Punct40_High
		802.11be (EHT320) Punctured by 40 MHz		31	BPSK	MCS0	EHT320_SU_Punct40_Mid2
		802.11be (EHT320) Punctured by 80 MHz		31	BPSK	MCS0	EHT320_SU_Punct80_Mid2
		802.11be (EHT320) Punctured by 80+40 MHz		31	BPSK	MCS0	EHT320_SU_Punct120_Mid

Test Item	EUT Configure Mode	Mode	Category	Tested Channel	Modulation	Data Rate	RU/MRU Index
RF Output Power	E	802.11be (EHT20)	Indoor client	2, 1, 45, 93	BPSK	MCS0	NA
				97, 105, 113			
				117, 149, 181, 185			
				209, 233			
		802.11be (EHT40)		3, 43, 91	BPSK	MCS0	NA
				99, 107, 115			
				123, 155, 179			
				187, 211, 227			
		802.11be (EHT80)		7, 39, 87	BPSK	MCS0	NA
				103			
				119, 151, 183			
				199, 215			
		802.11be (EHT160)		15, 47, 79	BPSK	MCS0	NA
				111,			
				143, 175			
				207			
		802.11be (EHT320)		31, 63	BPSK	MCS0	NA
				95, 127			
				159, 191			
		802.11be (EHT20) 26-tone RU		2, 1, 45, 93	BPSK	MCS0	0, 0, 0, 8
				97, 105, 113			0, 0, 8
				117, 149, 181, 185			0, 0, 8, 8
				209, 233			0, 0, 8
		802.11be (EHT20) 52-tone RU		2, 1, 45, 93	BPSK	MCS0	37, 37, 37, 40
				97, 105, 113			37, 37, 40
				117, 149, 181, 185			37, 37, 40, 40
				209, 233			37, 37, 40
		802.11be (EHT20) 106-tone RU		2, 1, 45, 93	BPSK	MCS0	53, 53, 53, 54
				97, 105, 113			53, 53, 54
				117, 149, 181, 185			53, 53, 54, 54
				209, 233			53, 53, 54

Test Item	EUT Configure Mode	Mode	Category	Tested Channel	Modulation	Data Rate	RU/MRU Index
RF Output Power	E	802.11be (EHT20) 242-tone RU	Indoor client	2, 1, 45, 93	BPSK	MCS0	61, 61, 61, 61
				97, 105, 113			61, 61, 61
				117, 149, 181, 185			61, 61, 61, 61
				209, 233			61, 61
		802.11be (EHT40) 484-tone RU		3, 43, 91	BPSK	MCS0	65, 65, 65
				99, 107, 115			65, 65, 65
				123, 155, 179			65, 65, 65
				187, 211, 227			65, 65, 65
		802.11be (EHT80) 996-tone RU		7, 39, 87	BPSK	MCS0	67, 67, 67
				103			67
				119, 151, 183			67, 67, 67
				199, 215			67, 67
		802.11be (EHT160) 2x996-tone RU		15, 47, 79	BPSK	MCS0	68, 68, 68
				111			68
				143, 175			68, 68
				207			68
		802.11be (EHT20) 52+26-tone MRU		1	BPSK	MCS0	UL_RU52+26_Low_70_MCS0
				97			UL_RU52+26_High_72_MCS0
				181			UL_RU52+26_Low_70_MCS0
				209			UL_RU52+26_High_72_MCS0
		802.11be (EHT20) 106+26-tone MRU		1	BPSK	MCS0	UL_RU106+26_Low_82_MCS0
				97			UL_RU106+26_High_83_MCS0
				181			UL_RU106+26_Low_82_MCS0
				209			UL_RU106+26_High_83_MCS0
		802.11be (EHT80) 484+242-tone MRU		7	BPSK	MCS0	UL_RU484+242_Punc20_91_MCS0
				103			UL_RU484+242_Punc20_91_MCS0
				119			UL_RU484+242_Punc20_91_MCS0
				215			UL_RU484+242_Punc20_91_MCS0
		802.11be (EHT160) 996+484-tone MRU		15	BPSK	MCS0	UL_RU996+484_Low_MCS0 UL_RU996+484_Punc40_MCS0
				111			UL_RU996+484_Low_MCS0 UL_RU996+484_Punc40_MCS0
				143			UL_RU996+484_Low_MCS0 UL_RU996+484_Punc40_MCS0
				207			UL_RU996+484_Low_MCS0 UL_RU996+484_Punc40_MCS0
		802.11be (EHT320) 2x996+484-tone MRU		31	BPSK	MCS0	UL_RU996x2+484_Punc40_MCS0
				127			UL_RU996x2+484_Punc40_MCS0
				191			UL_RU996x2+484_Punc40_MCS0

Test Item	EUT Configure Mode	Mode	Category	Tested Channel	Modulation	Data Rate	RU/MRU Index
RF Output Power	E	802.11be (EHT320) 3x996-tone MRU		31	BPSK	MCS0	UL_RU996x3_Low_MCS0
				127			UL_RU996x3_Low_MCS0
				191			UL_RU996x3_Low_MCS0
		802.11be (EHT320) 3x996+484-tone MRU	Indoor client	31	BPSK	MCS0	UL_RU996x3+484_Low_MCS0
				127			UL_RU996x3+484_Low_MCS0
				191			UL_RU996x3+484_Low_MCS0
		802.11be (EHT80) Punctured by 20 MHz		7	BPSK	MCS0	EHT80_SU_Punct20_Mid2
				103			EHT80_SU_Punct20_Mid2
				119			EHT80_SU_Punct20_Mid2
				215			EHT80_SU_Punct20_Mid2
		802.11be (EHT160) Punctured by 20 MHz		15	BPSK	MCS0	EHT160_SU_Punct20_High
				111			EHT160_SU_Punct20_High
				143			EHT160_SU_Punct20_High
				207			EHT160_SU_Punct20_High
		802.11be (EHT160) Punctured by 40 MHz		15	BPSK	MCS0	EHT160_SU_Punct40_Mid2
				111			EHT160_SU_Punct40_Mid2
				143			EHT160_SU_Punct40_Mid2
				207			EHT160_SU_Punct40_Mid2
		802.11be (EHT320) Punctured by 40 MHz		31	BPSK	MCS0	EHT320_SU_Punct40_Mid2
				127			EHT320_SU_Punct40_Mid2
				191			EHT320_SU_Punct40_Mid2
		802.11be (EHT320) Punctured by 80 MHz		31	BPSK	MCS0	EHT320_SU_Punct80_Mid2
				127			EHT320_SU_Punct80_Mid2
				191			EHT320_SU_Punct80_Mid2
		802.11be (EHT320) Punctured by 80+40 MHz		31	BPSK	MCS0	EHT320_SU_Punct120_Mid
				127			EHT320_SU_Punct120_Mid
				191			EHT320_SU_Punct120_Mid
	F	802.11be (EHT20)	Outdoor client	2, 1, 45, 93	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU		2, 1, 45, 93	BPSK	MCS0	0, 0, 0, 8
				117, 149, 181			0, 0, 8, 8
		802.11be (EHT20) 52-tone RU		2, 1, 45, 93	BPSK	MCS0	37, 37, 37, 40
				117, 149, 181			37, 37, 40, 40
		802.11be (EHT20) 106-tone RU		2, 1, 45, 93	BPSK	MCS0	53, 53, 53, 54
				117, 149, 181			53, 53, 54, 54
		802.11be (EHT20) 242-tone RU		2, 1, 45, 93	BPSK	MCS0	61, 61, 61, 61
				117, 149, 181			61, 61, 61
		802.11be (EHT40) 484-tone RU		3	BPSK	MCS0	65
		802.11be (EHT20) 52+26-tone MRU		1	BPSK	MCS0	UL_RU52+26_Low_70_MCS0
				117			UL_RU52+26_High_72_MCS0
		802.11be (EHT20) 106+26-tone MRU		1	BPSK	MCS0	UL_RU106+26_Low_82_MCS0
				117			UL_RU106+26_High_83_MCS0
		802.11be (EHT80) 484+242-tone MRU		7	BPSK	MCS0	UL_RU484+242_Punc20_91_MCS0

Test Item	EUT Configure Mode	Mode	Category	Tested Channel	Modulation	Data Rate	RU/MRU Index
Emission Bandwidth	A	802.11a	Indoor client	2, 1, 45, 93	BPSK	6Mb/s	NA
				97, 105, 113			
				117, 149, 181, 181, 185			
				209, 233			
		802.11be (EHT20)		2, 1, 45, 93	BPSK	MCS0	NA
				97, 105, 113			
				117, 149, 181, 181, 185			
				209, 233			
		802.11be (EHT40)		3, 43, 91	BPSK	MCS0	NA
				99, 107, 115			
				123, 155, 179			
				187, 211, 227			
		802.11be (EHT80)		7, 39, 87	BPSK	MCS0	NA
				103, 119, 151, 183			
				199, 215			
		802.11be (EHT160)		15, 47, 79	BPSK	MCS0	NA
				111, 143, 175			
				207			
		802.11be (EHT320)		31, 63	BPSK	MCS0	NA
				95, 127			
				159, 191			
		802.11be (EHT20) 26-tone RU		2, 1, 45, 93	BPSK	MCS0	0, 0, 0, 8
				97, 105, 113			0, 0, 8
				117, 149, 181, 185			0, 0, 8, 8
				209, 233			0, 0, 8
		802.11be (EHT20) 52-tone RU		2, 1, 45, 93	BPSK	MCS0	37, 37, 37, 40
				97, 105, 113			37, 37, 40
				117, 149, 181, 185			37, 37, 40, 40
				209, 233			37, 37, 40
		802.11be (EHT20) 106-tone RU		2, 1, 45, 93	BPSK	MCS0	53, 53, 53, 54
				97, 105, 113			53, 53, 54
				117, 149, 181, 185			53, 53, 54, 54
				209, 233			53, 53, 54

Test Item	EUT Configure Mode	Mode	Category	Tested Channel	Modulation	Data Rate	RU/MRU Index
Emission Bandwidth	C	802.11a	Outdoor client	2, 1, 45, 93	BPSK	6Mb/s	NA
				117, 149, 181			
		802.11be (EHT20)		2, 1, 45, 93	BPSK	MCS0	NA
				117, 149, 181			
		802.11be (EHT40)		3, 43, 91	BPSK	MCS0	NA
				123, 155, 179,			
		802.11be (EHT80)		7, 39, 87	BPSK	MCS0	NA
				135, 151, 167			
		802.11be (EHT160)		15, 47, 79	BPSK	MCS0	NA
				143			
		802.11be (EHT320)		31, 63	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU		2, 1, 45, 93	BPSK	MCS0	0, 0, 0, 8
				117, 149, 181			0, 0, 8
		802.11be (EHT20) 52-tone RU		2, 1, 45, 93	BPSK	MCS0	37, 37, 37, 40
				117, 149, 181			37, 37, 40
		802.11be (EHT20) 106-tone RU		2, 1, 45, 93	BPSK	MCS0	53, 53, 53, 54
				117, 149, 181			53, 53, 54
		802.11be (EHT80) 484+242-tone MRU		7	BPSK	MCS0	UL_RU484+242_Punc20_91_MCS0
				135			UL_RU484+242_Punc20_91_MCS0
		802.11be (EHT160) 996+484-tone MRU		15	BPSK	MCS0	UL_RU996+484_Punc40_MCS0
				143			UL_RU996+484_Punc40_MCS0
		802.11be (EHT320) 2x996+484-tone MRU		31	BPSK	MCS0	UL_RU996x2+484_Low_MCS0
		802.11be (EHT320) 3x996-tone MRU		31	BPSK	MCS0	UL_RU996x3_Low_MCS0
		802.11be (EHT320) 3x996+484-tone MRU		31	BPSK	MCS0	UL_RU996x3+484_Low_MCS0
		802.11be (EHT80) Punctured by 20 MHz		7	BPSK	MCS0	EHT80_SU_Punct20_Mid2
				135			EHT80_SU_Punct20_Mid2
		802.11be (EHT160) Punctured by 40 MHz		15	BPSK	MCS0	EHT160_SU_Punct40_High

Test Item	EUT Configure Mode	Mode	Category	Tested Channel	Modulation	Data Rate	RU/MRU Index
In-Band Emission Mask	A	802.11a	Indoor client	2, 1, 45, 93	BPSK	6Mb/s	NA
				97, 105, 113			
				117, 149, 181, 185			
				209, 233			
		802.11be (EHT20)		2, 1, 45, 93	BPSK	MCS0	NA
				97, 105, 113			
				117, 149, 181, 185			
				209, 233			
		802.11be (EHT40)		3, 43, 91	BPSK	MCS0	NA
				99, 107, 115			
				115, 123, 155, 179			
				187, 211, 227			
		802.11be (EHT80)		7, 39, 87	BPSK	MCS0	NA
				103			
				119, 151, 183			
				199, 215			
		802.11be (EHT160)		15, 47, 79	BPSK	MCS0	NA
				111			
				143, 175			
				207			
		802.11be (EHT320)	Indoor client	31, 63	BPSK	MCS0	NA
				95, 127			
				159, 191			
		802.11be (EHT20) 26-tone RU		2, 1, 45, 93	BPSK	MCS0	0, 0, 0, 8
				97, 105, 113			0, 0, 8
				117, 149, 181, 185			0, 0, 8, 8
				209, 233			0, 8

Test Item	EUT Configure Mode	Mode	Category	Tested Channel	Modulation	Data Rate	RU/MRU Index
In-Band Emission Mask	A	802.11be (EHT20) 52-tone RU	Indoor client	2, 1, 45, 93	BPSK	MCS0	37, 37, 37, 40
				97, 105, 113			37, 37, 40
				117, 149, 181, 185			37, 37, 40, 40
				209, 233			37, 40
		802.11be (EHT20) 106-tone RU		2, 1, 45, 93	BPSK	MCS0	53, 53, 53, 54
				97, 105, 113			53, 53, 54
				117, 149, 181, 185			53, 53, 54, 54
				209, 233			53, 54
	C	802.11a	Outdoor client	2, 1, 45, 93	BPSK	6Mb/s	NA
				117, 149, 181			
		802.11be (EHT20)		2, 1, 45, 93	BPSK	MCS0	NA
				117, 149, 181			
		802.11be (EHT40)		3, 43, 91	BPSK	MCS0	NA
				123, 155, 179			
		802.11be (EHT80)		7, 39, 87	BPSK	MCS0	NA
				135, 151, 167			
		802.11be (EHT160)		15, 47, 79	BPSK	MCS0	NA
				143			
		802.11be (EHT320)		31, 63	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU		2, 1, 45, 93	BPSK	MCS0	0, 0, 0, 8
				117, 149, 181			0, 0, 8
		802.11be (EHT20) 52-tone RU		2, 1, 45, 93	BPSK	MCS0	37, 37, 37, 40
				117, 149, 181			37, 37, 40
		802.11be (EHT20) 106-tone RU		2, 1, 45, 93	BPSK	MCS0	53, 53, 53, 54
				117, 149, 181			53, 53, 54

Test Item	EUT Configure Mode	Mode	Category	Tested Channel	Modulation	Data Rate	RU/MRU Index
Occupied Bandwidth	A	802.11a	Indoor client	2, 1, 45, 93	BPSK	6Mb/s	NA
				97, 105, 113			
				117, 149, 181, 185			
				209, 233			
		802.11be (EHT20)		2, 1, 45, 93	BPSK	MCS0	NA
				97, 105, 113			
				117, 149, 181, 185			
				209, 233			
		802.11be (EHT40)		3, 43, 91	BPSK	MCS0	NA
				99, 107, 115			
				115, 123, 155, 179			
				187, 211, 227			
		802.11be (EHT80)		7, 39, 87	BPSK	MCS0	NA
				103			
				119, 151, 183			
				199, 215			
		802.11be (EHT160)		15, 47, 79	BPSK	MCS0	NA
				111			
				143, 175			
				207			
		802.11be (EHT320)		31, 63	BPSK	MCS0	NA
				95, 127			
				159, 191			
		802.11be (EHT20) 26-tone RU		2, 1, 45, 93	BPSK	MCS0	0, 0, 0, 8
				97, 105, 113			0, 0, 8
				117, 149, 181, 185			0, 0, 8, 8
				209, 233			0, 8
		802.11be (EHT20) 52-tone RU		2, 1, 45, 93	BPSK	MCS0	37, 37, 37, 40
				97, 105, 113			37, 37, 40
				117, 149, 181, 185			37, 37, 40, 40
				209, 233			37, 40
		802.11be (EHT20) 106-tone RU		2, 1, 45, 93	BPSK	MCS0	53, 53, 53, 54
				97, 105, 113			53, 53, 54
				117, 149, 181, 185			53, 53, 54, 54
				209, 233			53, 54
	C	802.11a	Outdoor client	2, 1, 45, 93	BPSK	6Mb/s	NA
				117, 149, 181			
		802.11be (EHT20)		2, 1, 45, 93	BPSK	MCS0	NA
				117, 149, 181			
		802.11be (EHT40)		3, 43, 91	BPSK	MCS0	NA
				123, 155, 179			
		802.11be (EHT80)		7, 39, 87	BPSK	MCS0	NA
				135, 151, 167			
		802.11be (EHT160)		15, 47, 79	BPSK	MCS0	NA
				143			
		802.11be (EHT320)		31, 63	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU		2, 1, 45, 93	BPSK	MCS0	0, 0, 0, 8
				117,149,181			0, 0, 8
		802.11be (EHT20) 52-tone RU		2, 1, 45, 93	BPSK	MCS0	37, 37, 37, 40
				117, 149, 181			37, 37, 40
		802.11be (EHT20) 106-tone RU		2, 1, 45, 93	BPSK	MCS0	53, 53, 53, 54
				117, 149, 181			53, 53, 54

Test Item	EUT Configure Mode	Mode	Category	Tested Channel	Modulation	Data Rate	RU/MRU Index
Occupied Bandwidth	C	802.11be (EHT80) 484+242-tone MRU	Outdoor client	7	BPSK	MCS0	UL_RU484+242_Punc20_91_MCS0
				135			UL_RU484+242_Punc20_91_MCS0
		802.11be (EHT160) 996+484-tone MRU		15	BPSK	MCS0	UL_RU996+484_Punc40_MCS0
				143			UL_RU996+484_Punc40_MCS0
		802.11be (EHT320) 2x996+484-tone MRU		31	BPSK	MCS0	UL_RU996x2+484_Low_MCS0
		802.11be (EHT320) 3x996-tone MRU		31	BPSK	MCS0	UL_RU996x3_Low_MCS0
		802.11be (EHT320) 3x996+484-tone MRU		31	BPSK	MCS0	UL_RU996x3+484_Low_MCS0
		802.11be (EHT80) Punctured by 20 MHz		7	BPSK	MCS0	EHT80_SU_Punct20_Mid2
				135			EHT80_SU_Punct20_Mid2
		802.11be (EHT160) Punctured by 40 MHz		15	BPSK	MCS0	EHT160_SU_Punct40_High
Frequency Stability	A	802.11a	-	2	un-modulation	-	-
Contention-based Protocol	A	802.11be (HE20)	Indoor client	1	BPSK	MCS0	NA
				97			
				117			
				193			
		802.11be (EHT320)		31	BPSK	MCS0	NA
				95			
				159			
				191			
AC Power Conducted Emissions	G	802.11be (EHT20)	Outdoor client	1	BPSK	MCS0	NA
Unwanted Emissions below 1 GHz	F, G	802.11be (EHT20)	Outdoor client	1	BPSK	MCS0	NA

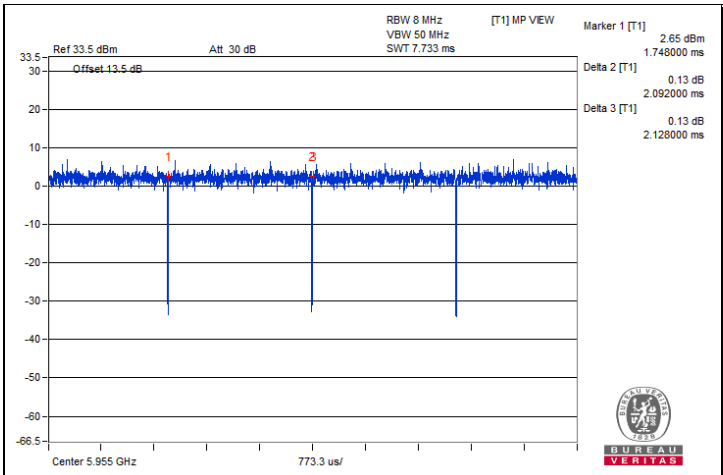
Test Item	EUT Configure Mode	Mode	Category	Tested Channel	Modulation	Data Rate	RU/MRU Index
Unwanted Emissions above 1 GHz	A, B	802.11a	Indoor client	2, 1, 45, 93	BPSK	6Mb/s	NA
				97, 105, 113			
				117, 149, 181, 185			
				209, 233			
		802.11be (EHT20)		2, 1, 45, 93	BPSK	MCS0	NA
				97, 105, 113			
				117, 149,181, 185			
				209, 233			
		802.11be (EHT40)		3, 43, 91	BPSK	MCS0	NA
				99, 107, 115			
				123, 155, 179			
				187, 211, 227			
		802.11be (EHT80)		7, 39, 87	BPSK	MCS0	NA
				103			
				119, 151, 183			
				199, 215			
		802.11be (EHT160)		15, 47, 79	BPSK	MCS0	NA
				111			
				143, 175			
				207			
		802.11be (EHT320)		31, 63	BPSK	MCS0	NA
				95, 127			
				159, 191			
		802.11be (EHT20) 26-tone RU		2, 1, 45, 93	BPSK	MCS0	0, 0, 0, 8
				97, 105, 113			0, 0, 8
				117, 149, 181, 185			0, 0, 8, 8
				209, 233			0, 8
		802.11be (EHT20) 52-tone RU		2, 1, 45, 93	BPSK	MCS0	37, 37, 37, 40
				97, 105, 113			37, 37, 40
				117, 149, 181, 185			37, 37, 40, 40
				209, 233			37, 40
		802.11be (EHT20) 106-tone RU		2, 1, 45, 93	BPSK	MCS0	53, 53, 53, 54
				97, 105, 113			53, 53, 54
				117, 149, 181, 185			53, 53, 54, 54
				209, 233			53, 54

Test Item	EUT Configure Mode	Mode	Category	Tested Channel	Modulation	Data Rate	RU/MRU Index
Unwanted Emissions above 1 GHz	C, D	802.11a	Outdoor client	2, 1, 45, 93	BPSK	6Mb/s	NA
				117, 149, 181			
		802.11be (EHT20)		2, 1, 45, 93	BPSK	MCS0	NA
				117, 149, 181			
		802.11be (EHT40)		3, 43, 91	BPSK	MCS0	NA
				123, 155, 179			
		802.11be (EHT80)		7, 39, 87	BPSK	MCS0	NA
				135, 151, 167			
		802.11be (EHT160)		15, 47, 79	BPSK	MCS0	NA
				143			
		802.11be (EHT320)		31, 63	BPSK	MCS0	NA
		802.11be (EHT20) 26-tone RU		2, 1, 45, 93	BPSK	MCS0	0, 0, 0, 8
				117, 149, 181			0, 0, 8
		802.11be (EHT20) 52-tone RU		2, 1, 45, 93	BPSK	MCS0	37, 37, 37, 40
				117,149, 181			37, 37, 40,
		802.11be (EHT20) 106-tone RU		2, 1, 45, 93	BPSK	MCS0	53, 53, 53, 54
				117, 149, 181			53, 53, 54
		802.11be (EHT80) 484+242-tone MRU		7	BPSK	MCS0	UL_RU484+242_Punc20_91_MCS0
				135			UL_RU484+242_Punc20_91_MCS0
		802.11be (EHT160) 996+484-tone MRU		15	BPSK	MCS0	UL_RU996+484_Punc40_MCS0
				143			UL_RU996+484_Punc40_MCS0
		802.11be (EHT320) 2x996+484-tone MRU		31	BPSK	MCS0	UL_RU996x2+484_Low_MCS0
		802.11be (EHT320) 3x996-tone MRU		31	BPSK	MCS0	UL_RU996x3_Low_MCS0
		802.11be (EHT320) 3x996+484-tone MRU		31	BPSK	MCS0	UL_RU996x3+484_Low_MCS0
		802.11be (EHT80) Punctured by 20 MHz		7	BPSK	MCS0	EHT80_SU_Punct20_Mid2
				135			EHT80_SU_Punct20_Mid2
		802.11be (EHT160) Punctured by 40 MHz		15	BPSK	MCS0	EHT160_SU_Punct40_High

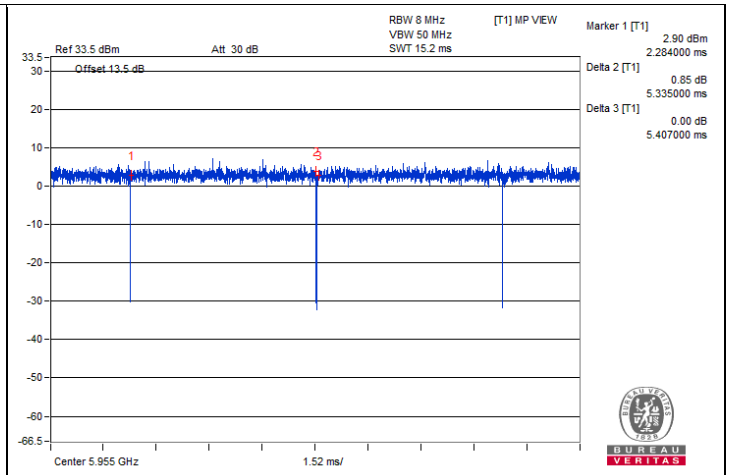
EUT Configure Mode:		
	A	EUT only (w/o antenna)_indoor client_Nss 1 with CDD
	B	EUT with 50 ohm terminator_indoor client_Nss 1 with CDD
	C	EUT only (w/o antenna)_outdoor client_Nss 1 with CDD
	D	EUT with 50 ohm terminator_outdoor client_Nss 1 with CDD
	E	EUT only (w/o antenna)_indoor client with Nss2 with MIMO (SDM)
	F	EUT only (w/o antenna)_outdoor client with Nss2 with MIMO (SDM)
	G	EUT with 50 ohm terminator_outdoor client with Nss2 with MIMO (SDM)

3.5 Duty Cycle of Test Signal

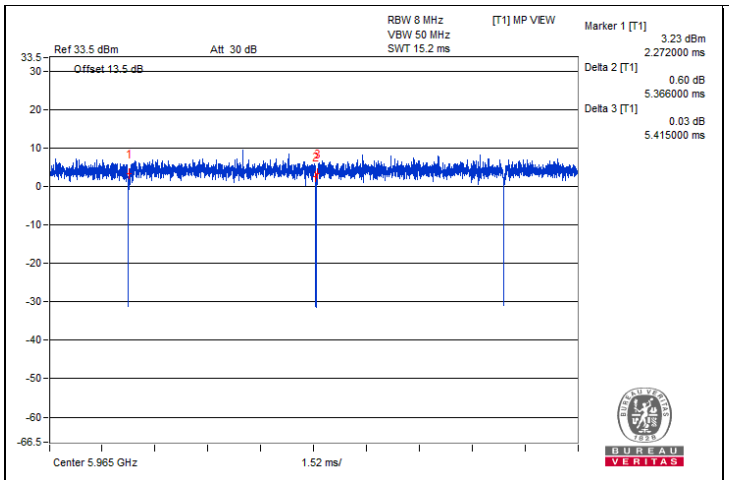
802.11a: Duty cycle = 2.092 ms / 2.128 ms x 100% = 98.3%
802.11be (EHT20): Duty cycle = 5.335 ms / 5.407 ms x 100% = 98.7%
802.11be (EHT40): Duty cycle = 5.366 ms / 5.415 ms x 100% = 99.1%
802.11be (EHT80): Duty cycle = 5.248 ms / 5.29 ms x 100% = 99.2%
802.11be (EHT160): Duty cycle = 4.389 ms / 4.465 ms x 100% = 98.3%
802.11be (EHT320): Duty cycle = 3.955 ms / 3.997 ms x 100% = 98.9%
802.11be (EHT20) 26-tone RU: Duty cycle = 5.081 ms / 5.107 ms x 100% = 99.5%
802.11be (EHT20) 52-tone RU: Duty cycle = 5.081 ms / 5.107 ms x 100% = 99.5%
802.11be (EHT20) 106-tone RU: Duty cycle = 5.081 ms / 5.107 ms x 100% = 99.5%
802.11be (EHT20) 242-tone RU: Duty cycle = 5.081 ms / 5.107 ms x 100% = 99.5%
802.11be (EHT40) 484-tone RU: Duty cycle = 3.321 ms / 3.354 ms x 100% = 99.0%
802.11be (EHT80) 996-tone RU: Duty cycle = 1.623 ms / 1.649 ms x 100% = 98.4%
802.11be (EHT160) 2x996-tone RU: Duty cycle = 2.146 ms / 2.184 ms x 100% = 98.3%
802.11be (EHT20) 52+26-tone MRU: Duty cycle = 5.081 ms / 5.107 ms x 100% = 99.5%
802.11be (EHT20) 106+26-tone MRU: Duty cycle = 5.081 ms / 5.107 ms x 100% = 99.5%
802.11be (EHT80) 484+242-tone MRU: Duty cycle = 1.106 ms / 1.142 ms x 100% = 96.8%, duty factor = 10 * log (1/Duty cycle) = 0.14 dB
802.11be (EHT160) 996+484-tone MRU: Duty cycle = 0.923 ms / 0.947 ms x 100% = 97.5%, duty factor = 10 * log (1/Duty cycle) = 0.11 dB
802.11be (EHT320) 2x996+484-tone MRU: Duty cycle = 0.577 ms / 0.598 ms x 100% = 96.5%, duty factor = 10 * log (1/Duty cycle) = 0.16 dB
802.11be (EHT320) 3x996-tone MRU: Duty cycle = 0.577 ms / 0.598 ms x 100% = 96.5%, duty factor = 10 * log (1/Duty cycle) = 0.16 dB
802.11be (EHT320) 3x996+484-tone MRU: Duty cycle = 0.577 ms / 0.598 ms x 100% = 96.5%, duty factor = 10 * log (1/Duty cycle) = 0.16 dB
802.11be (EHT80) Punctured by 20 MHz: Duty cycle = 5.248 ms / 5.29 ms x 100% = 99.2%
802.11be (EHT160) Punctured by 20 MHz: Duty cycle = 4.389 ms / 4.465 ms x 100% = 98.3%
802.11be (EHT160) Punctured by 40 MHz: Duty cycle = 4.389 ms / 4.465 ms x 100% = 98.3%
802.11be (EHT320) Punctured by 40 MHz: Duty cycle = 3.955 ms / 3.997 ms x 100% = 98.9%
802.11be (EHT320) Punctured by 80 MHz: Duty cycle = 3.955 ms / 3.997 ms x 100% = 98.9%
802.11be (EHT320) Punctured by 80+40 MHz: Duty cycle = 3.955 ms / 3.997 ms x 100% = 98.9%



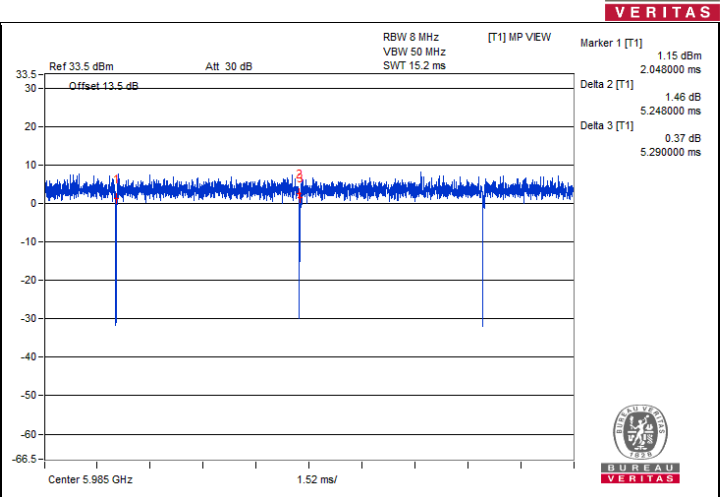
802.11a



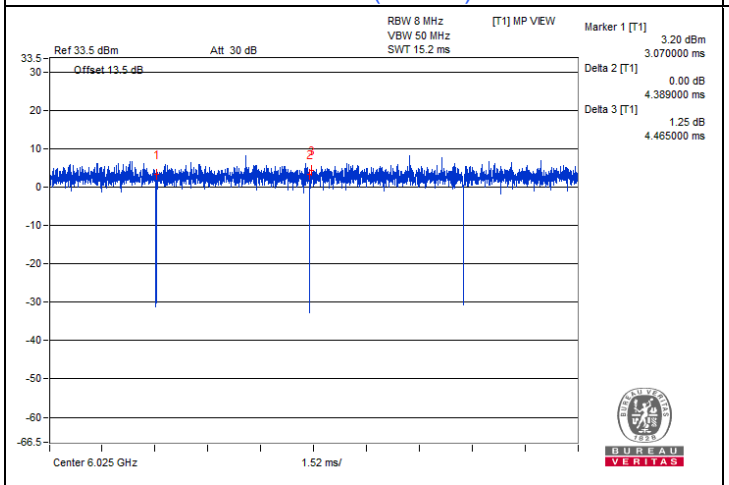
802.11be (EHT20)



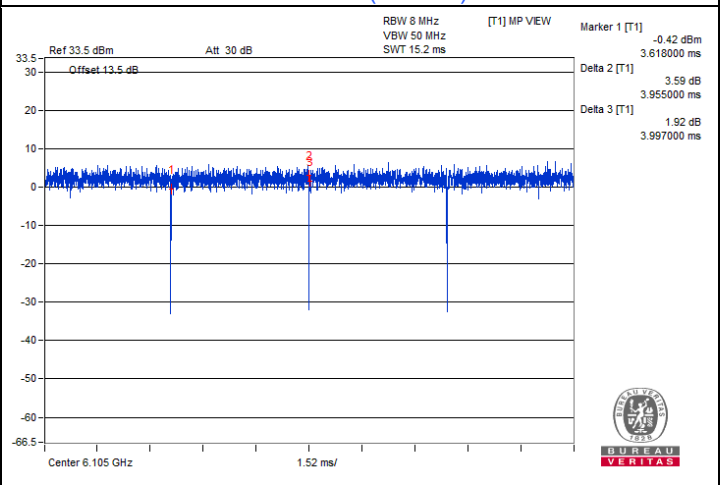
802.11be (EHT40)



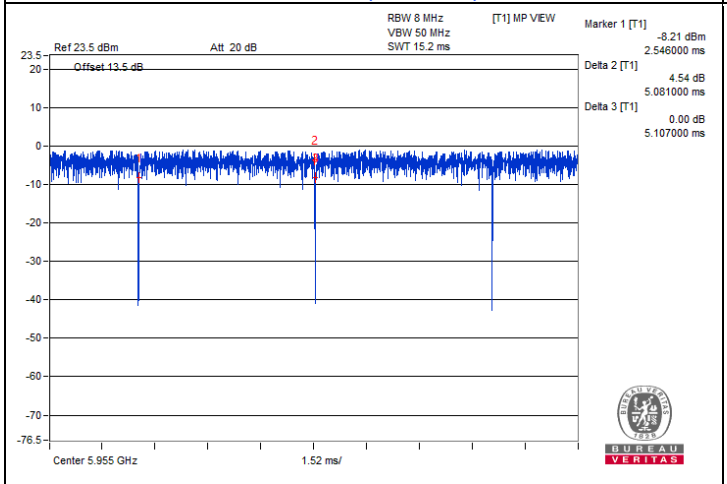
802.11be (EHT80)



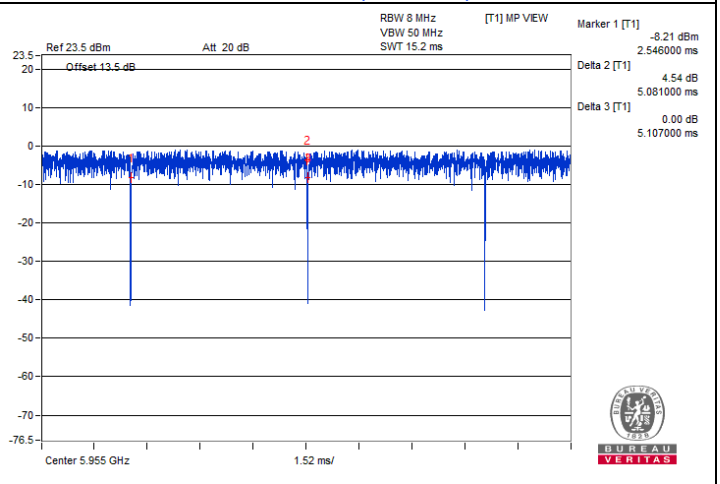
802.11be (EHT160)



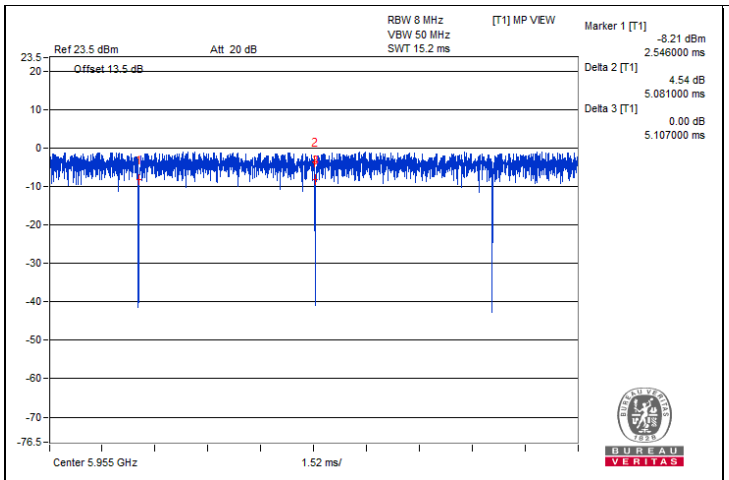
802.11be (EHT320)



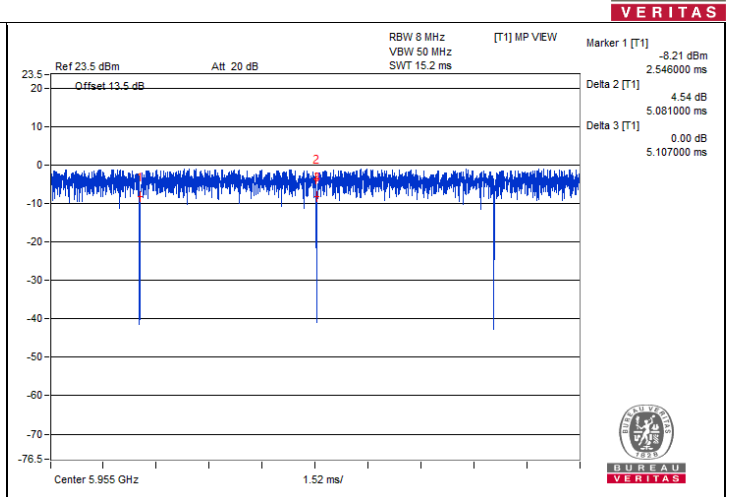
802.11be (EHT20) 26-tone RU



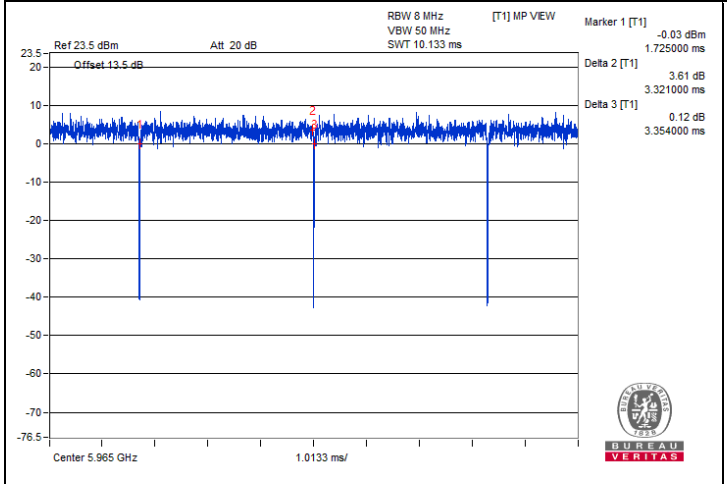
802.11be (EHT20) 52-tone RU



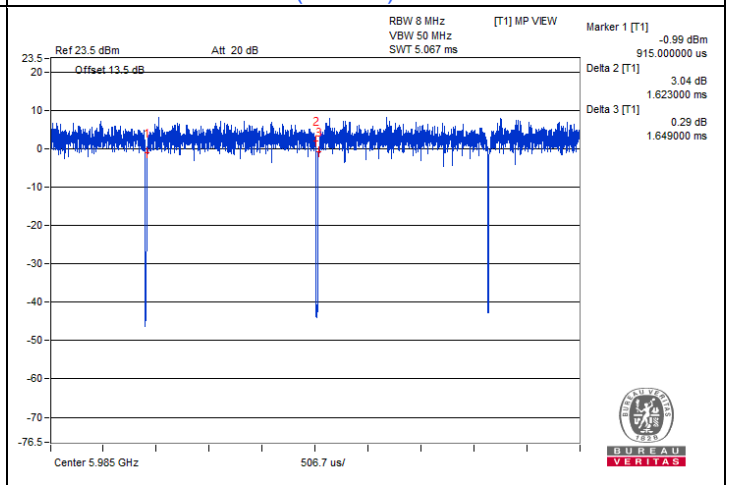
802.11be (EHT20) 106-tone RU



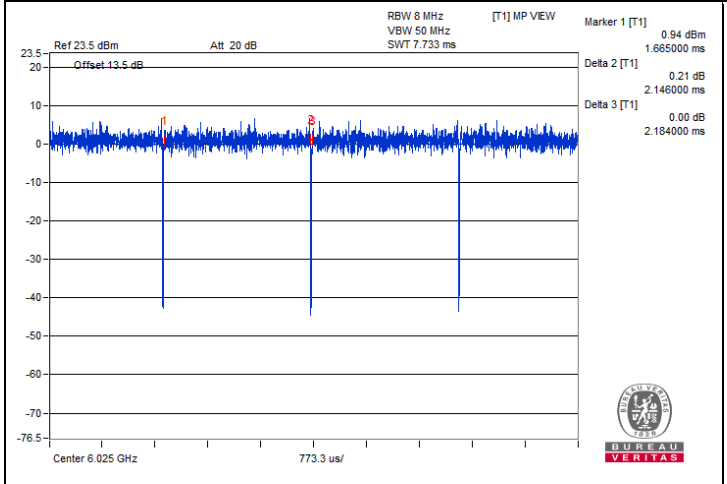
802.11be (EHT20) 242-tone RU



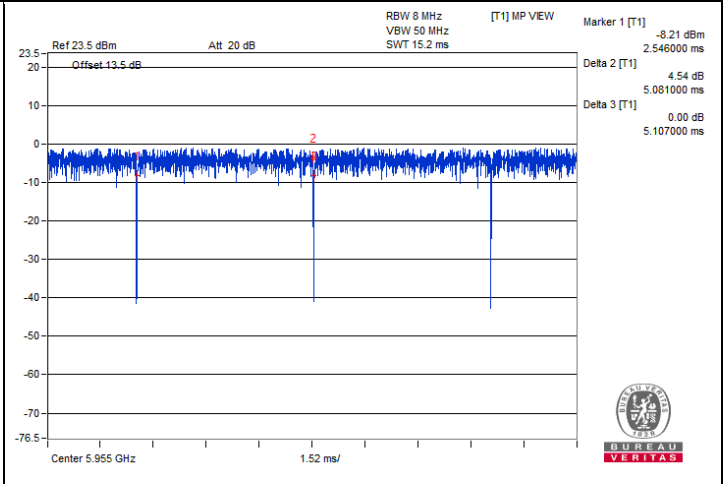
802.11be (EHT40) 484-tone RU



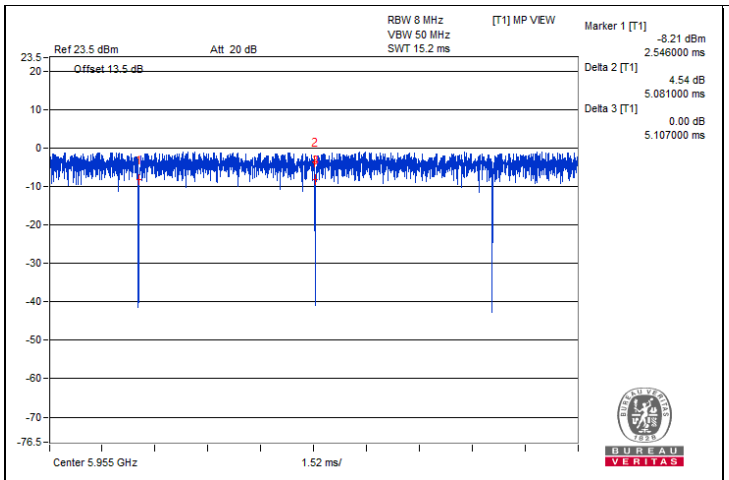
802.11be (EHT80) 996-tone RU



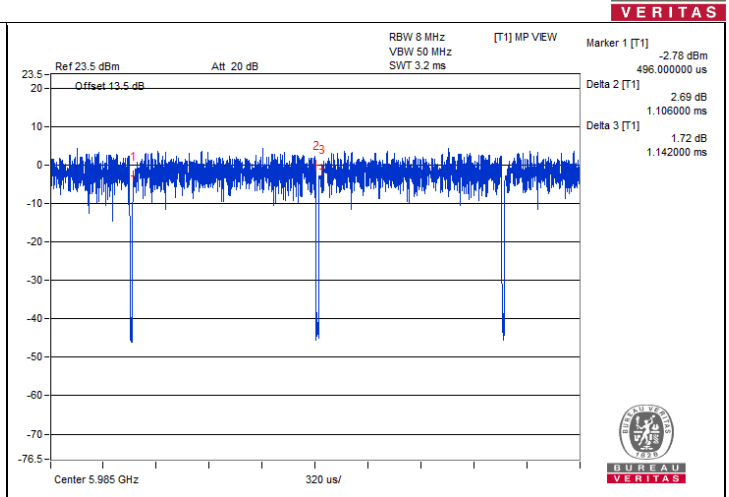
802.11be (EHT160) 2x996-tone RU



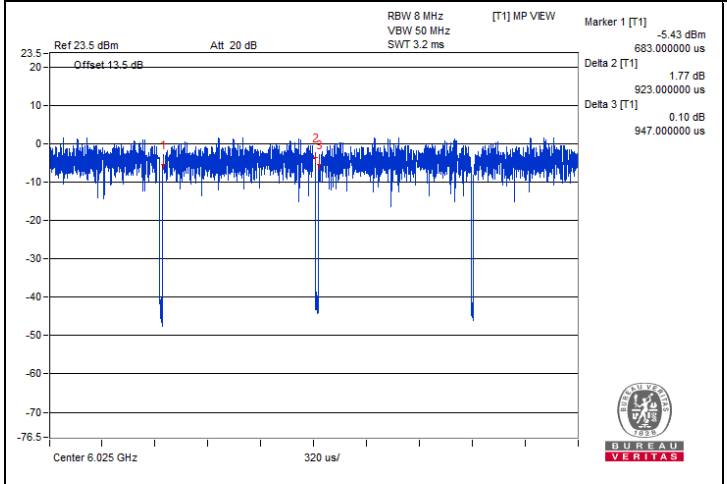
802.11be (EHT20) 52+26-tone MRU



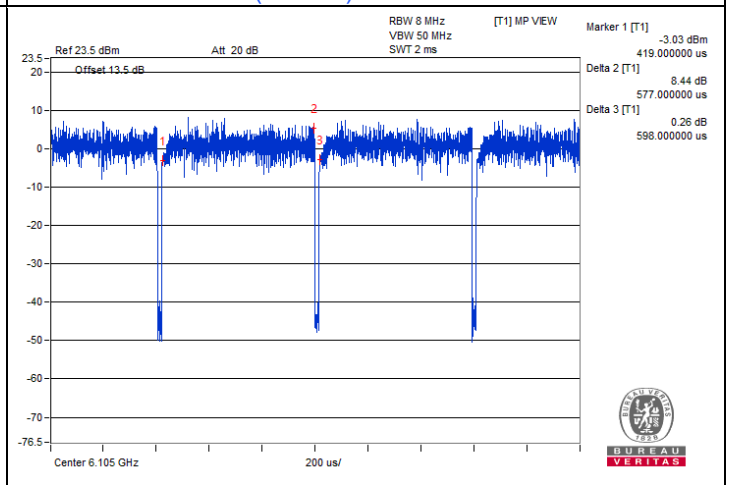
802.11be (EHT20) 106+26-tone MRU



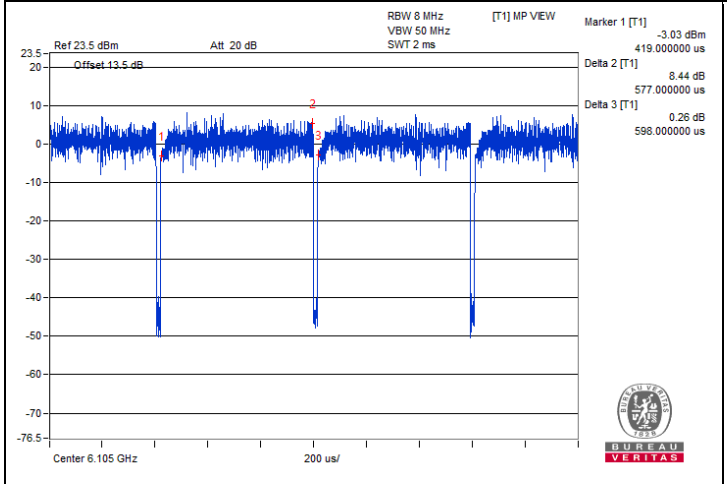
802.11be (EHT80) 484+242-tone MRU



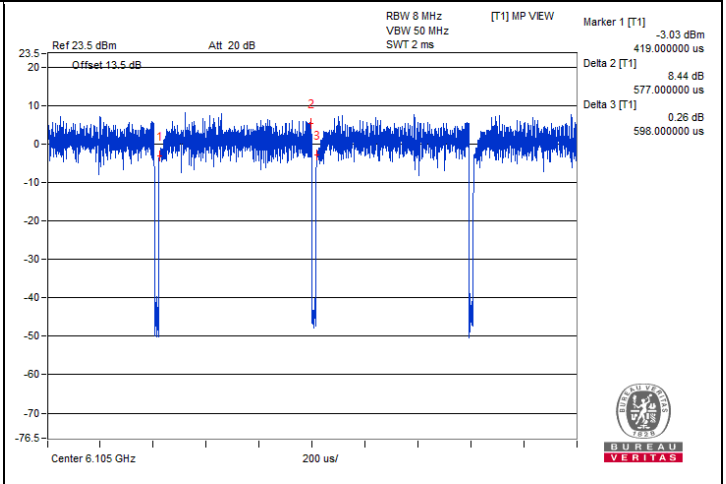
802.11be (EHT160) 996+484-tone MRU



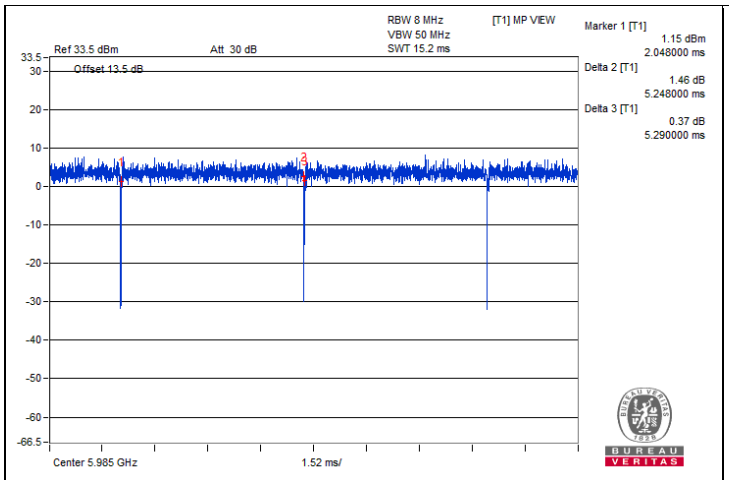
802.11be (EHT320) 2x996+484-tone MRU



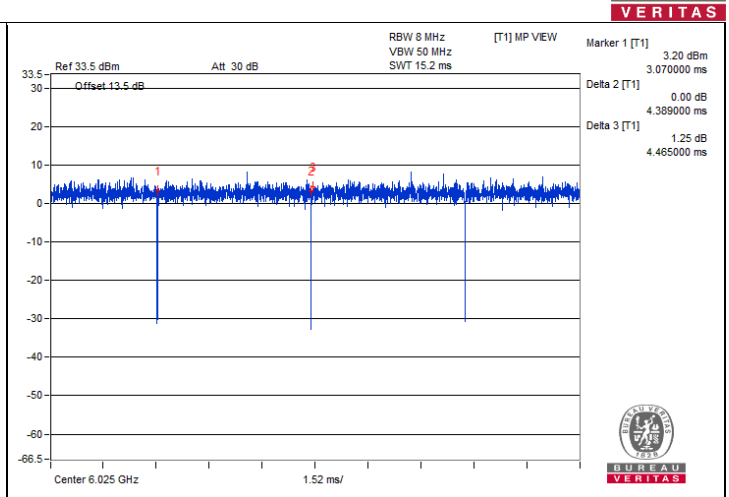
802.11be (EHT320) 3x996-tone MRU



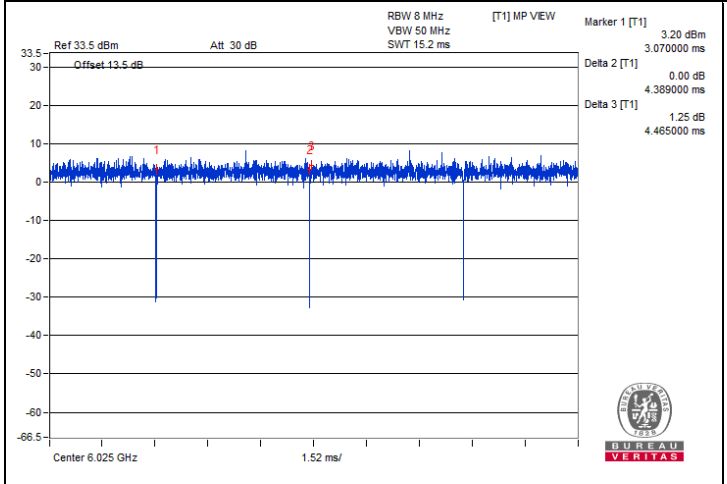
802.11be (EHT320) 3x996+484-tone MRU



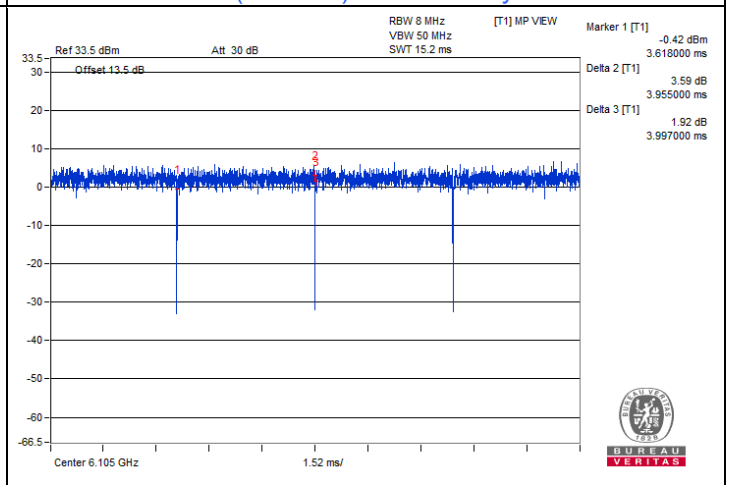
802.11be (EHT80) Punctured by 20 MHz



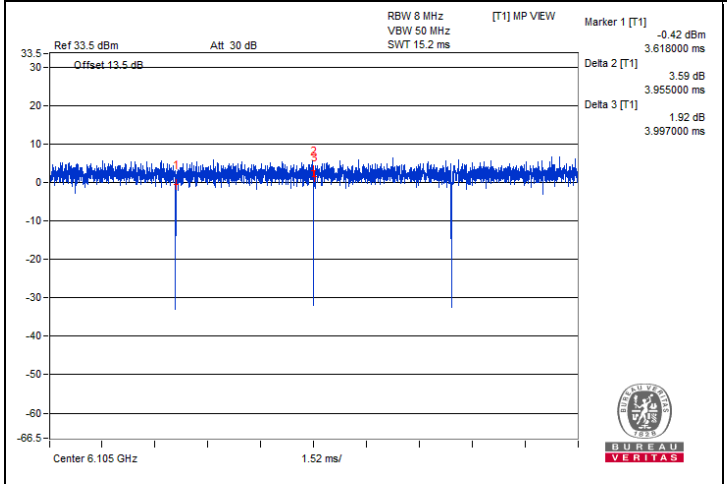
802.11be (EHT160) Punctured by 20 MHz



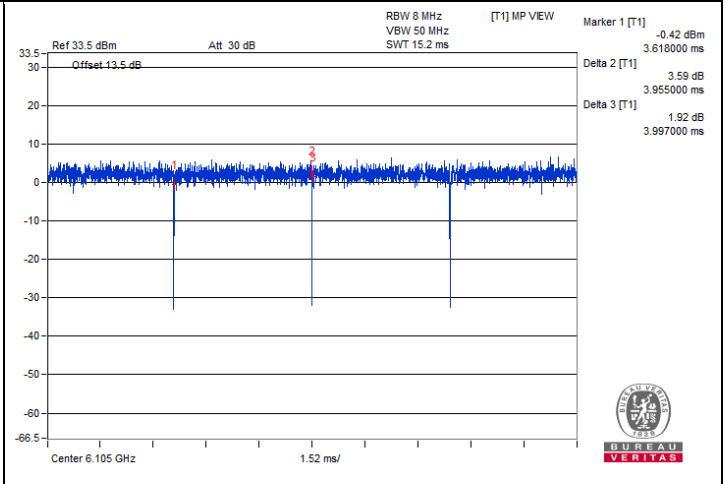
802.11be (EHT160) Punctured by 40 MHz



802.11be (EHT320) Punctured by 40 MHz



802.11be (EHT320) Punctured by 80 MHz



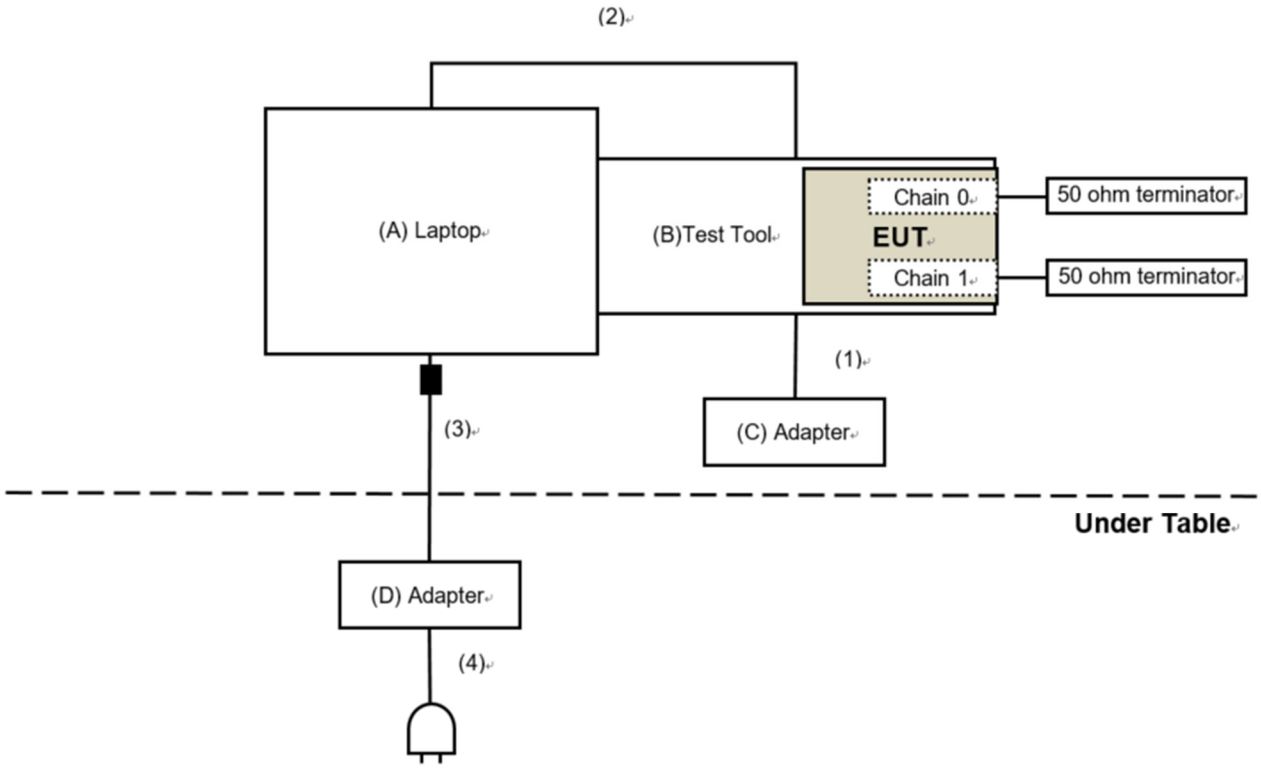
802.11be (EHT320) Punctured by 80+40 MHz

3.6 Test Program Used and Operation Descriptions

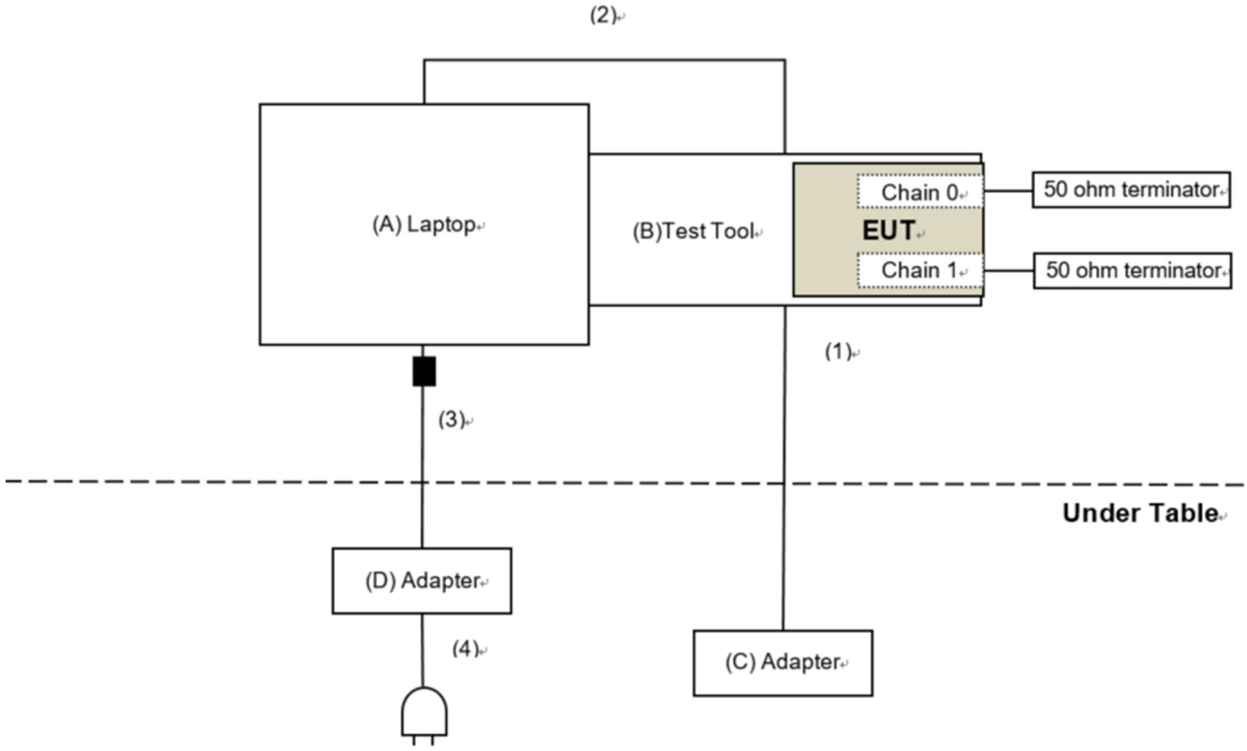
Controlling software (QRCT 4.0.00159.1) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

For AC Power Conducted Emission test



For Unwanted Emission test



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	Dell	E5420	6FGHKV1	N/A	Provided by Lab
B	Test Tool	Qualcomm	N/A	N/A	N/A	Supplied by applicant
C	Adapter	PHIHONG	PSAA12A-120L6	N/A	N/A	Supplied by applicant
D	Adapter	Dell	LLA65NS2-01	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	1.2	NO	0	Supplied by applicant
2	USB Cable	1	0.6	Yes	0	Provided by Lab
3	DC Cable	1	1.8	NO	1	Provided by Lab
4	AC Cable	1	1.5	NO	0	Provided by Lab

4 Test Instruments

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

4.1 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Power Meter Anritsu	ML2495A	1529002	2022/6/22	2023/6/21
Pulse Power Sensor Anritsu	MA2411B	1726434	2022/6/22	2023/6/21
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2022/4/5	2023/4/4

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/2/2 ~ 2023/3/7

4.2 Power Spectral Density

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2022/4/5	2023/4/4
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer Keysight	N9020B	MY60112409	2022/3/11 2023/2/18	2023/3/10 2024/2/17

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/2/2 ~ 2023/3/7

4.3 Emission Bandwidth

Refer to section 4.2 to get information of the instruments.

4.4 In-Band Emission Mask

Refer to section 4.2 to get information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.2 to get information of the instruments.

4.6 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2022/4/5	2023/4/4
DC POWER SUPPLY Topward	6603D	795558	N/A	N/A
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer Keysight	N9020B	MY60112409	2023/2/18	2024/2/17
Temperature & Humidity Chamber Giant Force	GTH-150-40-SP-AR	MAA0812-008	2022/12/26	2023/12/25
True RMS Clamp Meter Fluke	325	31130711WS	2022/6/9	2023/6/8

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/3/7

4.7 Contention-based Protocol

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Combiner Mini-Circuits	ZFRSC-123-S+	F698501347_01	2022/12/28	2023/12/27
		F698501347_02	2022/12/15	2023/12/14
Frequency Extender KEYSIGHT	N5182BX07	MY59360198	2022/10/14	2023/10/13
MXG X-Series RF Vector Signal Generator Keysight	N5182B	MY53052647	2022/11/8	2023/11/7
PXA Signal Analyzer Keysight	N9030A	MY55410176	2022/6/21	2023/6/20
Spectrum Analyzer R&S	FSV40	101516	2023/2/10	2024/2/9

Notes:

1. The test was performed in Adaptivity room.
2. Tested Date: 2023/5/17

4.8 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance	N/A	EMC-01	2022/9/27	2023/9/26
Fixed attenuator STI	STI02-2200-10	005	2022/8/24	2023/8/23
LISN R&S	ESH3-Z5	848773/004	2022/10/18	2023/10/17
RF Coaxial Cable JYEBO	5D-FB	COCCAB-001	2022/8/24	2023/8/23
Software BVADT	BVADT_Cond_V7.3.7.4	N/A	N/A	N/A
TEST RECEIVER R&S	ESCS 30	847124/029	2022/10/14	2023/10/13

Notes:

1. The test was performed in Conduction 1
2. Tested Date: 2023/5/10

4.9 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bilog Antenna Schwarzbeck	VULB 9168	9168-0842	2022/10/24	2023/10/23
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-02	2022/12/28	2023/12/27
LOOP ANTENNA Electro-Metrics	EM-6879	264	2023/2/21	2024/2/20
Pre_Amplifier Agilent	8447D	2944A10636	2023/3/12	2024/3/11
Pre_Amplifier EMCI	EMC330N	980538	2023/4/6	2024/4/5
RF Coaxial Cable COMMATE/PEWC	8D	966-5-1	2023/4/6	2024/4/5
		966-5-2	2023/4/6	2024/4/5
		966-5-3	2023/4/6	2024/4/5
RF Coaxial Cable JYEBO	5D-FB	LOOPCAB-001	2022/12/19	2023/12/18
		LOOPCAB-002	2022/12/19	2023/12/18
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A
Spectrum Analyzer Keysight	N9020B	MY60112410	2023/3/6	2024/3/5
Spectrum Analyzer KEYSIGHT	N9030B	MY57141948	2022/5/13	2023/5/12
Test Receiver R&S	ESR3	102528	2023/2/10	2024/2/9

Notes:

1. The test was performed in 966 Chamber No. 5.
2. Tested Date: 2023/4/30

4.10 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-1819	2022/11/13	2023/11/12
	BBHA 9170	9170-739	2022/11/13	2023/11/12
Pre_Amplifier EMCI	EMC12630SE	980509	2023/4/7	2024/4/6
	EMC184045SE	980387	2022/12/28	2023/12/27
RF Cable-Frequency range: 1-40GHz EMCI	EMC102-KM-KM-1200	160924	2022/12/28	2023/12/27
RF Coaxial Cable EMCI	EMC-KM-KM-4000	200214	2023/2/20	2024/2/19
	EMC104-SM-SM-1500	180503	2023/4/7	2024/4/6
	EMC104-SM-SM-2000	180501	2023/4/7	2024/4/6
	EMC104-SM-SM-6000	180506	2023/4/7	2024/4/6
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A
Spectrum Analyzer Keysight	N9020B	MY60112410	2023/3/6	2024/3/5
Test Receiver R&S	ESR3	102528	2023/2/10	2024/2/9

Notes:

1. The test was performed in 966 Chamber No. 5.
2. Tested Date: 2023/5/12 ~ 2023/5/13

5 Limits of Test Items

5.1 RF Output Power

Operation Band	EUT Category	Limit
		Max Average Power
U-NII-5 U-NII-6 U-NII-7 U-NII-8	Dual Client Devices (controlled of an indoor AP)	EIRP 24 dBm
U-NII-5 U-NII-7	Dual Client Devices (controlled of an standard power AP)	EIRP 30 dBm

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

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

Operation Band	EUT Category	Limit
		Peak Power Density
U-NII-5 U-NII-6 U-NII-7 U-NII-8	Dual Client Devices (controlled of an indoor AP)	EIRP -1 dBm/MHz
U-NII-5 U-NII-7	Dual Client Devices (controlled of an standard power AP)	EIRP 17 dBm/MHz

5.3 Emission Bandwidth

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

5.4 In-Band Emission Mask

Test Item	Frequencies (MHz)	(X) dBc*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 maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 MHz.

5.6 Frequency Stability

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

5.7 Contention-based Protocol

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

5.8 AC Power Conducted Emissions

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

Notes:

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

5.9 Unwanted Emissions below 1 GHz

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

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

Notes:

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

5.10 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

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

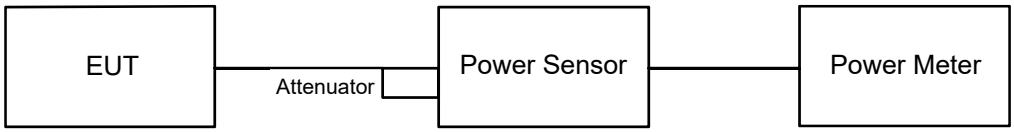
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 RF Output Power

6.1.1 Test Setup

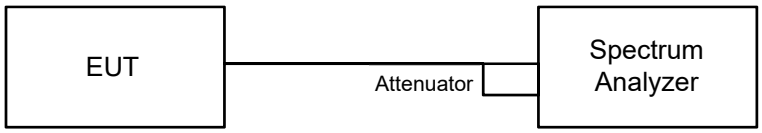


6.1.2 Test Procedure

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 Power Spectral Density

6.2.1 Test Setup



6.2.2 Test Procedure

For specified measurement bandwidth 1 MHz:
Method SA-1

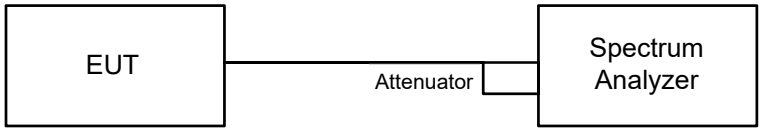
a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
d. Sweep time = auto, trigger set to “free run”.
e. Trace average at least 100 traces in power averaging mode.
f. Record the max value

For specified measurement bandwidth 1 MHz:
Method SA-2

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

6.3 Emission Bandwidth

6.3.1 Test Setup

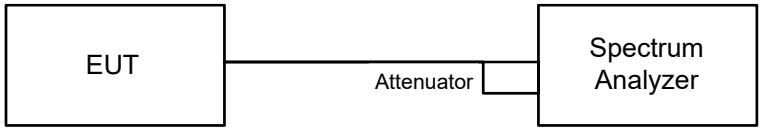


6.3.2 Test Procedure

a. Set RBW = approximately 1% of the emission bandwidth.
b. Set the VBW > RBW.
c. Detector = Peak.
d. Trace mode = max hold.
e. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

6.4 In-Band Emission Mask

6.4.1 Test Setup

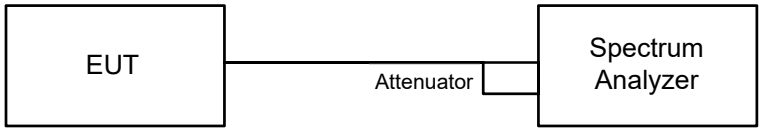


6.4.2 Test Procedure

a. Connect output of the antenna port to a spectrum analyzer and adjust appropriate attenuation.
b. Measure the 26 dB EBW using the test procedure 12.4.1 of ANSI C63.10-2013. (Determine the channel edge.)
c. Measure the power spectral density (for emissions mask reference) using the following procedure:
    a) Set the span to encompass the entire 26 dB EBW of the signal.
    b) Set RBW = same RBW used for 26 dB EBW measurement.
    c) Set VBW ≥ [3 X RBW].
    d) Number of points in sweep ≥ [2 X span / RBW].
    e) Sweep time = auto.
    f) Detector = RMS (i.e., power averaging).
    g) Trace average at least 100 traces in power averaging (rms) mode.
    h) Use the peak search function on the instrument to find the peak of the spectrum.
d. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
    a) Suppressed by 20 dB at 1 MHz outside of the channel edge. (The channel edge is defined as the 26-dB point on either side of the carrier center frequency.)
    b) Suppressed by 28 dB at one channel bandwidth from the channel center.
    c) Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
e. Adjust the span to encompass the entire mask as necessary and clear trace.
f. Trace average at least 100 traces in power averaging (rms) mode.
g. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask

6.5 Occupied Bandwidth

6.5.1 Test Setup

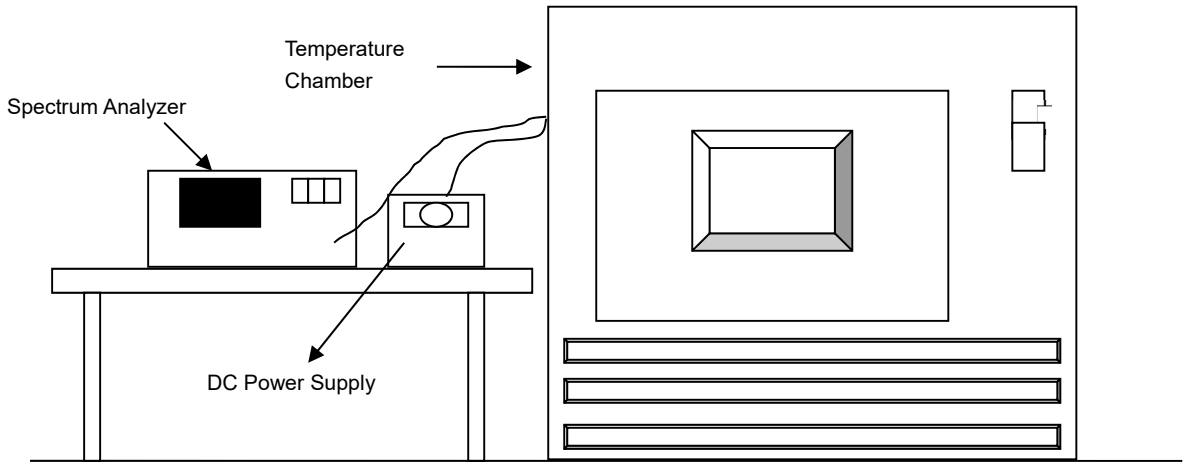


6.5.2 Test Procedure

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

6.6 Frequency Stability

6.6.1 Test Setup

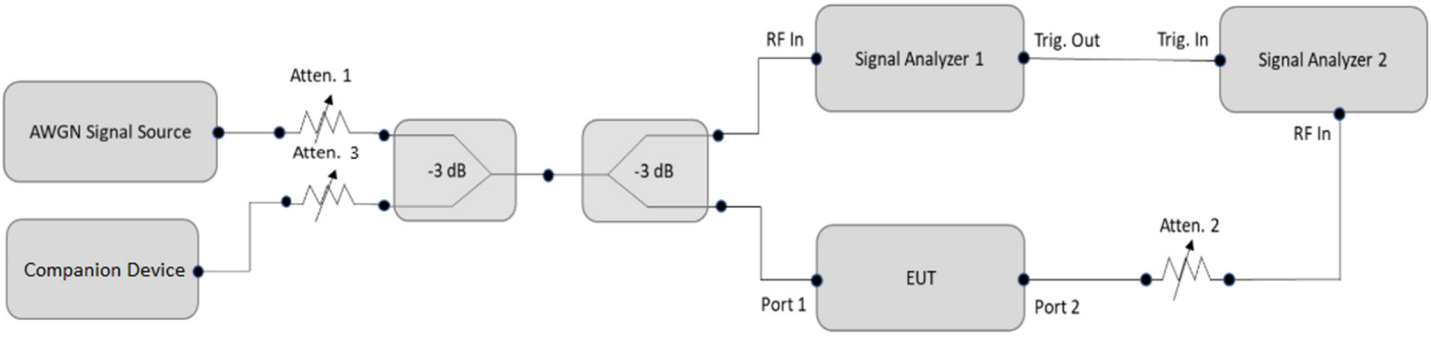


6.6.2 Test Procedure

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

6.7 Contention-based Protocol

6.7.1 Test Setup



6.7.2 Test Procedure

a. 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.

b. 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).

c. Determine number of times detection threshold test as following table,

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

d. 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.

e. 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.

f. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.

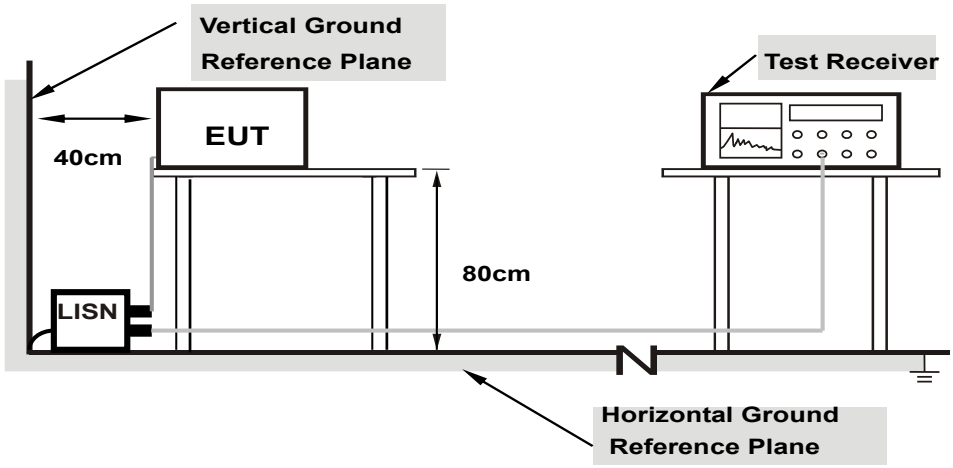
g. Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.

h. (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.

i. Refer to step c table to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step d, choose a different center frequency for the AWGN signal and repeat the process.

6.8 AC Power Conducted Emissions

6.8.1 Test Setup



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

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

6.8.2 Test Procedure

a. 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.

b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

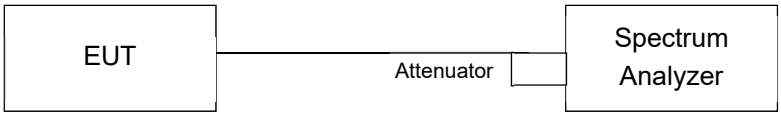
c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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

6.9 Unwanted Emissions below 1 GHz

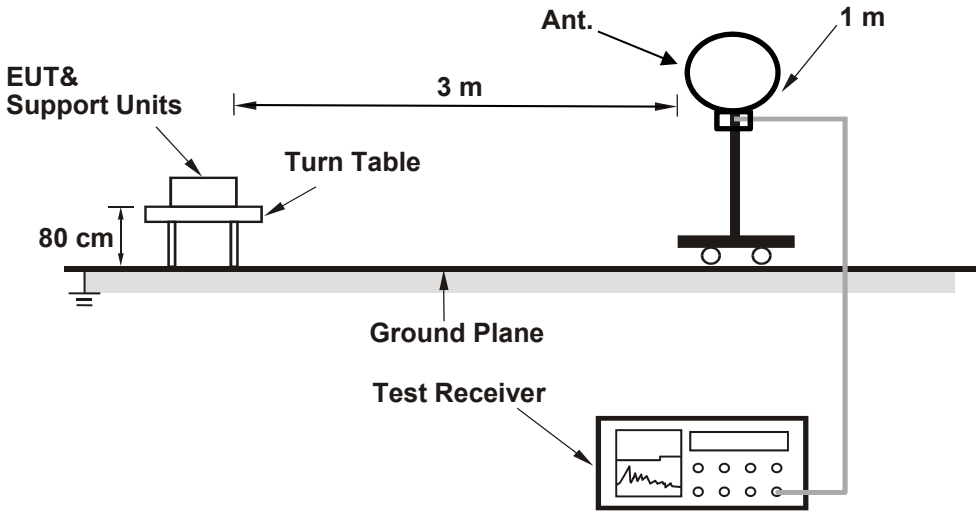
6.9.1 Test Setup

For Conducted Configuration:

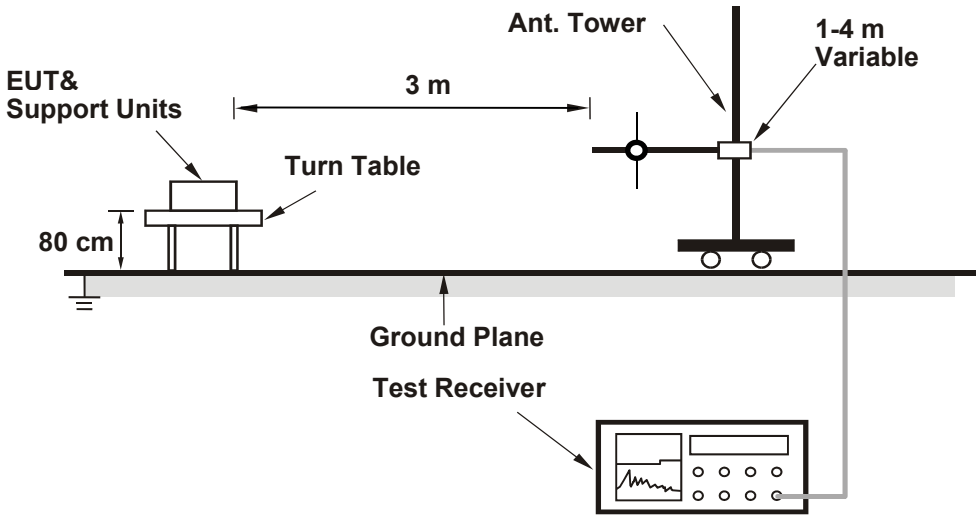


For Radiated Configuration:

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.9.2 Test Procedure

Radiated versus Conducted Measurement.
The unwanted emission limits in both the restricted and non-restricted bands are based on antenna-port conducted measurements in conjunction with cabinet emissions tests are permitted to demonstrate compliance.
The following steps was performed:

a. Cabinet emissions measurements. Radiated measurement was performed to ensure that cabinet emissions are below the emission limits. For the cabinet-emission measurements the antenna was replaced by a termination matching the nominal impedance of the antenna.

b. Conducted tests was performed using equipment that matches the nominal impedance of the antenna assembly used with the EUT.

c. EIRP calculation. A value representative of an upper bound on out-of-band antenna gain (in dBi) shall be added to the measured antenna-port conducted emission power to compute EIRP within the specified measurement bandwidth. (For emissions in the restricted bands, additional calculations are required to convert EIRP to field strength at the specified distance.) The upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands or 2 dBi, whichever is greater.

d. EIRP adjustments for multiple outputs. (Follow the procedures specified in FCC KDB Publication 662911)

e. For all of Radiation emission test

For Radiated emission below 30 MHz

e-1.1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

e-1.2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

e-1.3. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.

e-1.4. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e-1.5. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode, except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 200 Hz at frequency below 150 kHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz or 10 kHz at frequency (150 kHz to 30 MHz).
3. All modes of operation were investigated and the worst-case emissions are reported.
4. KDB 414788 OATS and Chamber Correlation Justification

   -Based on FCC 15.31(f)(2):measurements may be performed at a distance closer than that specified in the regulations; however, an attempts should be made to avoid making measurements in the near field.

   -OATs and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

For Radiated emission above 30 MHz

e-2.1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

e-2.2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

e-2.3. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

e-2.4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e-2.5. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

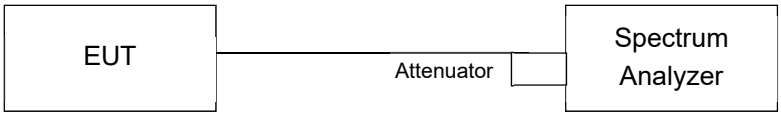
Notes:

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

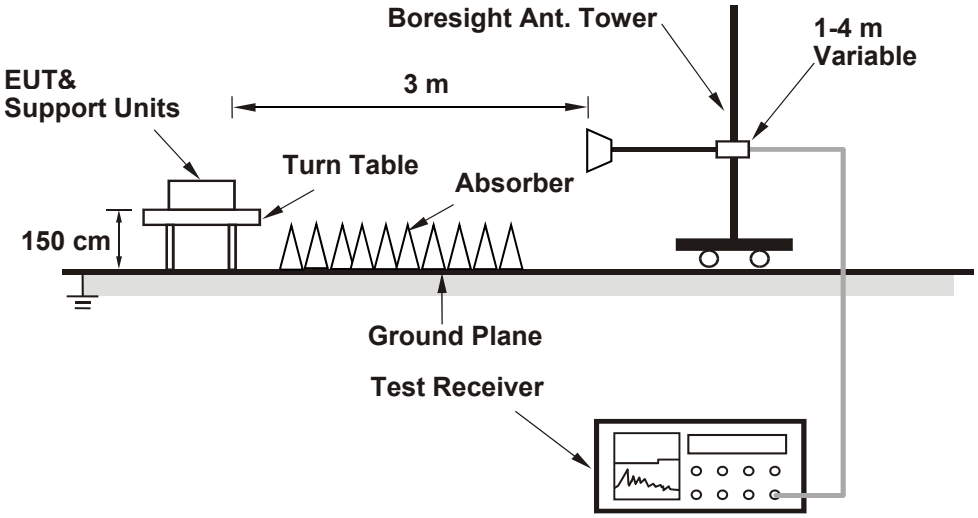
6.10 Unwanted Emissions above 1 GHz

6.10.1Test Setup

For Conducted Configuration:



For Radiated Configuration:



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

6.10.2Test Procedure

Radiated versus Conducted Measurement.
The unwanted emission limits in both the restricted and non-restricted bands are based on antenna-port conducted measurements in conjunction with cabinet emissions tests are permitted to demonstrate compliance.
The following steps was performed:

a. Cabinet emissions measurements. Radiated measurement was performed to ensure that cabinet emissions are below the emission limits. For the cabinet-emission measurements the antenna was replaced by a termination matching the nominal impedance of the antenna.

b. Conducted tests was performed using equipment that matches the nominal impedance of the antenna assembly used with the EUT.

c. EIRP calculation. A value representative of an upper bound on out-of-band antenna gain (in dBi) shall be added to the measured antenna-port conducted emission power to compute EIRP within the specified measurement bandwidth. (For emissions in the restricted bands, additional calculations are required to convert EIRP to field strength at the specified distance.) The upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands or 2 dBi, whichever is greater.

d. EIRP adjustments for multiple outputs. (Follow the procedures specified in FCC KDB Publication 662911)

e. For all of Radiation emission test

e-1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

e-2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

e-3. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

e-4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e-5. The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Notes:

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

7 Test Results of Test Item

7.1 RF Output Power

Mode A

Input Power:	3.3 Vdc	Environmental Conditions:	24°C, 61% RH	Tested By:	Eric Peng

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							
2	5935	-1.25	-0.95	1.5534	1.91	5.14	5.073	7.05	24	Pass
1	5955	-0.80	-0.56	1.7108	2.33	5.14	5.587	7.47	24	Pass
45	6175	-3.09	-2.74	1.023	0.10	5.14	3.341	5.24	24	Pass
93	6415	-2.46	-2.35	1.1496	0.61	5.14	3.754	5.74	24	Pass
97	6435	-1.76	-1.00	1.4611	1.65	5.09	4.717	6.74	24	Pass
105	6475	-1.54	-1.13	1.4724	1.68	5.09	4.754	6.77	24	Pass
113	6515	-1.30	-1.00	1.5356	1.86	5.09	4.958	6.95	24	Pass
117	6535	-1.78	-1.31	1.4033	1.47	5.16	4.604	6.63	24	Pass
149	6695	-1.61	-0.71	1.5394	1.87	5.16	5.051	7.03	24	Pass
181	6855	-1.80	-0.87	1.4792	1.70	5.16	4.853	6.86	24	Pass
185	6875	-1.72	-0.82	1.5009	1.76	5.16	4.924	6.92	24	Pass
209	6995	-1.89	-0.98	1.4451	1.60	5.12	4.698	6.72	24	Pass
233	7115	-1.79	-1.02	1.4529	1.62	5.12	4.723	6.74	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-12.01	-12.15	0.1239	-9.07	5.14	0.4046	-3.93	24	Pass
1	5955	-0.35	-0.15	1.8886	2.76	5.14	6.168	7.9	24	Pass
45	6175	-2.56	-2.30	1.1435	0.58	5.14	3.735	5.72	24	Pass
93	6415	-1.83	-1.87	1.3063	1.16	5.14	4.266	6.3	24	Pass
97	6435	-0.33	-0.30	1.8601	2.70	5.09	6.005	7.79	24	Pass
105	6475	-0.46	-0.31	1.8306	2.63	5.09	5.91	7.72	24	Pass
113	6515	-0.28	-0.89	1.7523	2.44	5.09	5.657	7.53	24	Pass
117	6535	-1.24	-1.06	1.5351	1.86	5.16	5.037	7.02	24	Pass
149	6695	-1.25	-0.42	1.6577	2.20	5.16	5.439	7.36	24	Pass
181	6855	-1.42	-0.52	1.6083	2.06	5.16	5.277	7.22	24	Pass
185	6875	-1.39	-0.36	1.6466	2.17	5.16	5.402	7.33	24	Pass
209	6995	-0.95	-0.01	1.8012	2.56	5.12	5.855	7.68	24	Pass
233	7115	-12.42	-11.69	0.12504	-9.03	5.12	0.4065	-3.91	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT40)

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							
3	5965	3.07	2.68	3.881	5.89	5.14	12.675	11.03	24	Pass
43	6165	3.14	1.87	3.599	5.56	5.14	11.754	10.7	24	Pass
91	6405	2.01	1.26	2.925	4.66	5.14	9.553	9.8	24	Pass
99	6445	2.19	1.56	3.088	4.90	5.09	9.97	9.99	24	Pass
107	6485	2.67	1.98	3.427	5.35	5.09	11.064	10.44	24	Pass
115	6525	2.89	2.05	3.549	5.50	5.16	11.644	10.66	24	Pass
123	6565	2.87	1.90	3.485	5.42	5.16	11.434	10.58	24	Pass
155	6725	1.92	1.75	3.052	4.85	5.16	10.013	10.01	24	Pass
179	6845	2.07	1.72	3.097	4.91	5.16	10.161	10.07	24	Pass
187	6885	2.24	1.85	3.206	5.06	5.12	10.422	10.18	24	Pass
211	7005	2.18	1.90	3.201	5.05	5.12	10.406	10.17	24	Pass
227	7085	2.14	1.98	3.214	5.07	5.12	10.448	10.19	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT80)

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							
7	5985	5.09	4.58	6.099	7.85	5.14	19.919	12.99	24	Pass
39	6145	4.71	4.16	5.564	7.45	5.14	18.171	12.59	24	Pass
87	6385	4.18	3.54	4.878	6.88	5.14	15.931	12.02	24	Pass
103	6465	5.56	4.83	6.638	8.22	5.09	21.431	13.31	24	Pass
119	6545	4.75	4.36	5.714	7.57	5.16	18.747	12.73	24	Pass
151	6705	4.23	4.01	5.166	7.13	5.16	16.949	12.29	24	Pass
183	6865	4.21	3.86	5.069	7.05	5.16	16.631	12.21	24	Pass
199	6945	5.50	5.22	6.875	8.37	5.12	22.35	13.49	24	Pass
215	7025	5.36	4.18	6.054	7.82	5.12	19.681	12.94	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT160)

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							
15	6025	8.98	8.59	15.134	11.80	5.14	49.426	16.94	24	Pass
47	6185	8.75	8.08	13.926	11.44	5.14	45.481	16.58	24	Pass
79	6345	7.85	7.47	11.68	10.67	5.14	38.145	15.81	24	Pass
111	6505	9.14	8.19	14.795	11.70	5.09	47.766	16.79	24	Pass
143	6665	8.88	8.11	14.198	11.52	5.16	46.583	16.68	24	Pass
175	6825	7.98	7.90	12.447	10.95	5.16	40.838	16.11	24	Pass
207	6985	8.69	8.61	14.657	11.66	5.12	47.648	16.78	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT320)

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							
31	6105	12.48	11.89	33.154	15.21	5.14	108.277	20.35	24	Pass
63	6265	11.78	11.35	28.712	14.58	5.14	93.77	19.72	24	Pass
95	6425	11.91	11.40	29.328	14.67	5.14	95.782	19.81	24	Pass
127	6585	12.49	11.68	32.465	15.11	5.16	106.516	20.27	24	Pass
159	6745	11.63	11.20	27.737	14.43	5.16	91.004	19.59	24	Pass
191	6905	11.95	11.96	31.371	14.97	5.16	102.927	20.13	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-19.78	-19.81	0.02097	-16.78	5.14	0.06849	-11.64	24	Pass
1	5955	-8.76	-8.75	0.2664	-5.74	5.14	0.87	-0.6	24	Pass
45	6175	-11.10	-10.94	0.15816	-8.01	5.14	0.5165	-2.87	24	Pass
93	6415	-10.06	-10.20	0.19413	-7.12	5.14	0.634	-1.98	24	Pass
97	6435	-10.02	-10.25	0.19395	-7.12	5.09	0.6262	-2.03	24	Pass
105	6475	-10.33	-10.40	0.18388	-7.35	5.09	0.5937	-2.26	24	Pass
113	6515	-10.16	-10.07	0.19478	-7.10	5.09	0.6288	-2.01	24	Pass
117	6535	-10.54	-10.68	0.17381	-7.60	5.16	0.5703	-2.44	24	Pass
149	6695	-10.48	-9.81	0.19401	-7.12	5.16	0.6365	-1.96	24	Pass
181	6855	-10.76	-10.15	0.18055	-7.43	5.16	0.5924	-2.27	24	Pass
185	6875	-10.63	-9.67	0.19439	-7.11	5.16	0.6378	-1.95	24	Pass
209	6995	-10.52	-10.44	0.17908	-7.47	5.12	0.5822	-2.35	24	Pass
233	7115	-19.27	-18.80	0.02501	-16.02	5.12	0.0813	-10.9	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-17.02	-17.26	0.03865	-14.13	5.14	0.1262	-8.99	24	Pass
1	5955	-6.17	-5.97	0.4945	-3.06	5.14	1.615	2.08	24	Pass
45	6175	-8.51	-8.29	0.2892	-5.39	5.14	0.9445	-0.25	24	Pass
93	6415	-7.37	-7.54	0.3594	-4.44	5.14	1.174	0.7	24	Pass
97	6435	-7.49	-7.80	0.3442	-4.63	5.09	1.111	0.46	24	Pass
105	6475	-7.62	-7.71	0.3424	-4.65	5.09	1.105	0.43	24	Pass
113	6515	-7.25	-7.22	0.378	-4.23	5.09	1.22	0.86	24	Pass
117	6535	-7.85	-7.89	0.3266	-4.86	5.16	1.072	0.3	24	Pass
149	6695	-7.90	-7.29	0.3488	-4.57	5.16	1.144	0.58	24	Pass
181	6855	-7.84	-7.13	0.3581	-4.46	5.16	1.175	0.7	24	Pass
185	6875	-8.01	-7.23	0.3474	-4.59	5.16	1.14	0.57	24	Pass
209	6995	-8.10	-7.39	0.3373	-4.72	5.12	1.097	0.4	24	Pass
233	7115	-17.45	-16.92	0.03831	-14.17	5.12	0.1245	-9.05	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-16.29	-16.23	0.04732	-13.25	5.14	0.1545	-8.11	24	Pass
1	5955	-3.40	-3.62	0.8916	-0.50	5.14	2.912	4.64	24	Pass
45	6175	-5.61	-5.71	0.5433	-2.65	5.14	1.774	2.49	24	Pass
93	6415	-4.78	-4.93	0.654	-1.84	5.14	2.136	3.3	24	Pass
97	6435	-3.63	-3.78	0.8523	-0.69	5.09	2.752	4.4	24	Pass
105	6475	-3.80	-3.66	0.8474	-0.72	5.09	2.736	4.37	24	Pass
113	6515	-3.71	-3.61	0.8611	-0.65	5.09	2.78	4.44	24	Pass
117	6535	-4.01	-3.87	0.8074	-0.93	5.16	2.649	4.23	24	Pass
149	6695	-3.86	-3.28	0.881	-0.55	5.16	2.891	4.61	24	Pass
181	6855	-4.02	-3.40	0.8534	-0.69	5.16	2.8	4.47	24	Pass
185	6875	-3.99	-3.53	0.8426	-0.74	5.16	2.765	4.42	24	Pass
209	6995	-3.93	-3.67	0.8341	-0.79	5.12	2.712	4.33	24	Pass
233	7115	-14.37	-13.88	0.07749	-11.11	5.12	0.2519	-5.99	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT20) 242-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-12.74	-13.03	0.10298	-9.87	5.14	0.3363	-4.73	24	Pass
1	5955	-0.26	-0.49	1.8352	2.64	5.14	5.994	7.78	24	Pass
45	6175	-2.49	-2.42	1.1364	0.56	5.14	3.711	5.69	24	Pass
93	6415	-1.93	-1.84	1.2958	1.13	5.14	4.232	6.27	24	Pass
97	6435	-0.67	-0.47	1.7545	2.44	5.09	5.664	7.53	24	Pass
105	6475	-0.38	-0.50	1.8075	2.57	5.09	5.836	7.66	24	Pass
113	6515	-0.55	-0.67	1.7381	2.40	5.09	5.611	7.49	24	Pass
117	6535	-1.23	-1.17	1.5172	1.81	5.16	4.978	6.97	24	Pass
149	6695	-1.22	-0.58	1.6301	2.12	5.16	5.348	7.28	24	Pass
181	6855	-1.16	-0.97	1.5654	1.95	5.16	5.136	7.11	24	Pass
185	6875	-1.34	-0.56	1.6135	2.08	5.16	5.294	7.24	24	Pass
209	6995	-0.92	-0.55	1.6901	2.28	5.12	5.494	7.4	24	Pass
233	7115	-12.67	-12.96	0.10466	-9.80	5.12	0.3402	-4.68	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT40) 484-tone RU

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							
3	5965	3.06	2.60	3.843	5.85	5.14	12.551	10.99	24	Pass
43	6165	2.88	1.69	3.417	5.34	5.14	11.16	10.48	24	Pass
91	6405	2.04	1.12	2.894	4.61	5.14	9.451	9.75	24	Pass
99	6445	2.29	1.28	3.037	4.82	5.09	9.805	9.91	24	Pass
107	6485	2.82	1.63	3.37	5.28	5.09	10.88	10.37	24	Pass
115	6525	2.92	1.78	3.465	5.40	5.16	11.369	10.56	24	Pass
123	6565	2.84	1.75	3.419	5.34	5.16	11.218	10.5	24	Pass
155	6725	2.11	1.45	3.022	4.80	5.16	9.915	9.96	24	Pass
179	6845	2.07	1.52	3.03	4.81	5.16	9.941	9.97	24	Pass
187	6885	2.31	1.70	3.181	5.03	5.12	10.341	10.15	24	Pass
211	7005	2.19	1.83	3.18	5.02	5.12	10.338	10.14	24	Pass
227	7085	2.33	1.67	3.179	5.02	5.12	10.335	10.14	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT80) 996-tone RU

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							
7	5985	5.15	4.43	6.047	7.82	5.14	19.749	12.96	24	Pass
39	6145	4.77	3.96	5.488	7.39	5.14	17.923	12.53	24	Pass
87	6385	4.32	3.25	4.817	6.83	5.14	15.732	11.97	24	Pass
103	6465	5.36	3.89	5.885	7.70	5.09	19	12.79	24	Pass
119	6545	5.06	3.69	5.545	7.44	5.16	18.193	12.6	24	Pass
151	6705	4.41	3.73	5.121	7.09	5.16	16.802	12.25	24	Pass
183	6865	4.45	3.52	5.035	7.02	5.16	16.52	12.18	24	Pass
199	6945	5.65	4.87	6.742	8.29	5.12	21.917	13.41	24	Pass
215	7025	5.03	4.50	6.003	7.78	5.12	19.515	12.9	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT160) 2x996-tone RU

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							
15	6025	8.99	8.43	14.891	11.73	5.14	48.632	16.87	24	Pass
47	6185	8.72	7.91	13.627	11.34	5.14	44.504	16.48	24	Pass
79	6345	7.85	7.24	11.392	10.57	5.14	37.205	15.71	24	Pass
111	6505	9.14	8.16	14.75	11.69	5.09	47.62	16.78	24	Pass
143	6665	9.02	7.76	13.95	11.45	5.16	45.769	16.61	24	Pass
175	6825	8.05	7.64	12.19	10.86	5.16	39.995	16.02	24	Pass
207	6985	8.70	8.46	14.428	11.59	5.12	46.904	16.71	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT20) 52+26-tone MRU

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	-5.09	-5.35	0.6015	-2.21	5.14	1.964	2.93	24	Pass
97	6435	-6.43	-6.85	0.434	-3.63	5.09	1.401	1.46	24	Pass
181	6855	-6.98	-6.62	0.4182	-3.79	5.16	1.372	1.37	24	Pass
209	6995	-6.95	-6.79	0.4112	-3.86	5.12	1.337	1.26	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT20) 106+26-tone MRU

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	-2.90	-3.28	0.9828	-0.08	5.14	3.21	5.07	24	Pass
97	6435	-3.22	-3.43	0.9304	-0.31	5.09	3.004	4.78	24	Pass
181	6855	-3.77	-3.23	0.8951	-0.48	5.16	2.937	4.68	24	Pass
209	6995	-3.88	-3.48	0.858	-0.67	5.12	2.789	4.45	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT80) 484+242-tone MRU

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							
7	5985	3.82	3.01	4.41	6.44	5.14	14.403	11.58	24	Pass
103	6465	3.88	3.03	4.453	6.49	5.09	14.376	11.58	24	Pass
119	6545	4.12	3.06	4.605	6.63	5.16	15.109	11.79	24	Pass
215	7025	3.44	2.98	4.194	6.23	5.12	13.634	11.35	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT160) 996+484-tone MRU

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							
15	6025	6.88	6.09	8.94	9.51	5.14	29.197	14.65	24	Pass
111	6505	7.66	6.64	10.448	10.19	5.09	33.731	15.28	24	Pass
143	6665	6.74	5.94	8.647	9.37	5.16	28.37	14.53	24	Pass
207	6985	6.31	5.78	8.06	9.06	5.12	26.202	14.18	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT320) 2x996+484-tone MRU

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							
31	6105	10.54	9.66	20.571	13.13	5.14	67.182	18.27	24	Pass
127	6585	10.71	9.76	21.238	13.27	5.16	69.681	18.43	24	Pass
191	6905	10.45	9.83	20.708	13.16	5.16	67.942	18.32	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT320) 3x996-tone MRU

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							
31	6105	9.56	8.68	16.416	12.15	5.14	53.613	17.29	24	Pass
127	6585	9.77	8.79	17.053	12.32	5.16	55.95	17.48	24	Pass
191	6905	8.08	7.83	12.494	10.97	5.16	40.992	16.13	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT320) 3x996+484-tone MRU

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							
31	6105	8.79	7.98	13.849	11.41	5.14	45.229	16.55	24	Pass
127	6585	9.08	8.10	14.548	11.63	5.16	47.731	16.79	24	Pass
191	6905	8.72	8.18	14.024	11.47	5.16	46.012	16.63	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT80) Punctured by 20 MHz

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							
7	5985	3.72	3.18	4.435	6.47	5.14	14.484	11.61	24	Pass
103	6465	4.11	3.36	4.744	6.76	5.09	15.316	11.85	24	Pass
119	6545	4.04	3.07	4.563	6.59	5.16	14.971	11.75	24	Pass
215	7025	3.77	3.45	4.595	6.62	5.12	14.938	11.74	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT160) Punctured by 20 MHz

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							
15	6025	8.24	7.63	12.462	10.96	5.14	40.699	16.1	24	Pass
111	6505	7.89	7.23	11.436	10.58	5.09	36.921	15.67	24	Pass
143	6665	7.78	7.12	11.15	10.47	5.16	36.583	15.63	24	Pass
207	6985	7.29	6.92	10.278	10.12	5.12	33.412	15.24	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT160) Punctured by 40 MHz

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							
15	6025	8.44	7.56	12.684	11.03	5.14	41.424	16.17	24	Pass
111	6505	8.10	7.15	11.645	10.66	5.09	37.596	15.75	24	Pass
143	6665	8.14	7.41	12.024	10.80	5.16	39.45	15.96	24	Pass
207	6985	7.63	7.22	11.067	10.44	5.12	35.977	15.56	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT320) Punctured by 40 MHz

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							
31	6105	11.31	10.57	24.923	13.97	5.14	81.395	19.11	24	Pass
127	6585	11.42	10.74	25.725	14.10	5.16	84.403	19.26	24	Pass
191	6905	11.13	10.52	24.244	13.85	5.16	79.543	19.01	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT320) Punctured by 80 MHz

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							
31	6105	9.93	8.72	17.287	12.38	5.14	56.457	17.52	24	Pass
127	6585	9.76	8.91	17.243	12.37	5.16	56.573	17.53	24	Pass
191	6905	9.58	8.90	16.841	12.26	5.16	55.255	17.42	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

802.11be (EHT320) Punctured by 80+40 MHz

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							
31	6105	8.45	7.42	12.519	10.98	5.14	40.886	16.12	24	Pass
127	6585	8.42	7.06	12.032	10.80	5.16	39.476	15.96	24	Pass
191	6905	8.22	7.45	12.196	10.86	5.16	40.015	16.02	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-6, The maximum gain is 5.09 dBi
4. For U-NII-7, The maximum gain is 5.16 dBi
5. For U-NII-8, The maximum gain is 5.12 dBi

Mode C

Input Power:	3.3 Vdc	Environmental Conditions:	24°C, 62% RH	Tested By:	Eric Peng

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							
2	5935	-1.09	-0.99	1.5742	1.97	5.14	5.141	7.11	30	Pass
1	5955	16.92	16.35	92.356	19.65	5.14	301.623	24.79	30	Pass
45	6175	16.36	16.03	83.338	19.21	5.14	272.172	24.35	30	Pass
93	6415	16.05	15.42	75.105	18.76	5.14	245.284	23.9	30	Pass
117	6535	17.30	15.99	93.422	19.70	5.16	306.513	24.86	30	Pass
149	6695	16.76	16.28	89.886	19.54	5.16	294.912	24.7	30	Pass
181	6855	16.64	16.15	87.342	19.41	5.16	286.565	24.57	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-7, The maximum gain is 5.16 dBi

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-12.17	-12.08	0.12262	-9.11	5.14	0.4005	-3.97	30	Pass
1	5955	17.65	17.01	108.445	20.35	5.14	354.168	25.49	30	Pass
45	6175	17.04	16.51	95.354	19.79	5.14	311.415	24.93	30	Pass
93	6415	16.91	16.08	89.642	19.53	5.14	292.76	24.67	30	Pass
117	6535	18.12	16.72	111.853	20.49	5.16	366.984	25.65	30	Pass
149	6695	17.47	16.74	103.053	20.13	5.16	338.112	25.29	30	Pass
181	6855	17.12	16.48	95.986	19.82	5.16	314.926	24.98	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-7, The maximum gain is 5.16 dBi

802.11be (EHT40)

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							
3	5965	17.76	16.82	107.787	20.33	5.14	352.019	25.47	30	Pass
43	6165	17.46	16.71	102.6	20.11	5.14	335.079	25.25	30	Pass
91	6405	17.01	16.42	94.087	19.74	5.14	307.277	24.88	30	Pass
123	6565	17.37	16.90	103.554	20.15	5.16	339.756	25.31	30	Pass
155	6725	17.05	16.79	98.452	19.93	5.16	323.016	25.09	30	Pass
179	6845	16.89	16.67	95.317	19.79	5.16	312.731	24.95	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-7, The maximum gain is 5.16 dBi

802.11be (EHT80)

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							
7	5985	17.39	16.74	102.034	20.09	5.14	333.231	25.23	30	Pass
39	6145	17.00	15.92	89.203	19.50	5.14	291.326	24.64	30	Pass
87	6385	16.29	15.39	77.154	18.87	5.14	251.976	24.01	30	Pass
135	6625	17.06	15.88	89.542	19.52	5.16	293.783	24.68	30	Pass
151	6705	16.44	15.73	81.467	19.11	5.16	267.289	24.27	30	Pass
167	6785	16.05	16.09	80.916	19.08	5.16	265.482	24.24	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-7, The maximum gain is 5.16 dBi

802.11be (EHT160)

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							
15	6025	16.15	15.68	78.193	18.93	5.14	255.369	24.07	30	Pass
47	6185	17.24	16.73	100.064	20.00	5.14	326.797	25.14	30	Pass
79	6345	16.50	16.02	84.663	19.28	5.14	276.499	24.42	30	Pass
143	6665	17.19	16.76	99.784	19.99	5.16	327.387	25.15	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-7, The maximum gain is 5.16 dBi

802.11be (EHT320)

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							
31	6105	16.87	16.33	91.594	19.62	5.14	299.135	24.76	30	Pass
63	6265	16.30	15.92	81.742	19.12	5.14	266.959	24.26	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-7, The maximum gain is 5.16 dBi

802.11be (EHT20) 26-tone RU SP

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-19.73	-19.82	0.02106	-16.77	5.14	0.06878	-11.63	30	Pass
1	5955	8.81	8.06	14.001	11.46	5.14	45.726	16.6	30	Pass
45	6175	8.13	7.24	11.798	10.72	5.14	38.531	15.86	30	Pass
93	6415	8.16	7.59	12.288	10.89	5.14	40.131	16.03	30	Pass
117	6535	8.24	7.50	12.291	10.90	5.16	40.326	16.06	30	Pass
149	6695	7.77	7.31	11.367	10.56	5.16	37.295	15.72	30	Pass
181	6855	7.85	7.73	12.025	10.80	5.16	39.453	15.96	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-7, The maximum gain is 5.16 dBi

802.11be (EHT20) 52-tone RU SP

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-17.09	-17.13	0.03891	-14.10	5.14	0.1271	-8.96	30	Pass
1	5955	11.77	11.42	28.899	14.61	5.14	94.381	19.75	30	Pass
45	6175	11.19	10.63	24.713	13.93	5.14	80.71	19.07	30	Pass
93	6415	11.22	10.56	24.62	13.91	5.14	80.406	19.05	30	Pass
117	6535	11.50	10.56	25.502	14.07	5.16	83.671	19.23	30	Pass
149	6695	10.78	10.41	22.957	13.61	5.16	75.321	18.77	30	Pass
181	6855	10.76	10.59	23.368	13.69	5.16	76.669	18.85	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-7, The maximum gain is 5.16 dBi

802.11be (EHT20) 106-tone RU SP

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-15.91	-15.88	0.05147	-12.88	5.14	0.1681	-7.74	30	Pass
1	5955	14.92	14.55	59.556	17.75	5.14	194.503	22.89	30	Pass
45	6175	14.38	13.69	50.804	17.06	5.14	165.92	22.2	30	Pass
93	6415	13.95	13.42	46.81	16.70	5.14	152.876	21.84	30	Pass
117	6535	14.79	13.98	55.134	17.41	5.16	180.892	22.57	30	Pass
149	6695	14.30	13.92	51.576	17.12	5.16	169.218	22.28	30	Pass
181	6855	14.22	13.66	49.651	16.96	5.16	162.903	22.12	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-7, The maximum gain is 5.16 dBi

802.11be (EHT20) 242-tone RU SP

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-12.39	-12.79	0.11028	-9.58	5.14	0.3602	-4.43	30	Pass
1	5955	17.48	17.10	107.262	20.30	5.14	350.305	25.44	30	Pass
45	6175	16.91	16.58	94.59	19.76	5.14	308.919	24.9	30	Pass
93	6415	16.76	16.18	88.92	19.49	5.14	290.402	24.63	30	Pass
117	6535	17.46	17.03	106.185	20.26	5.16	348.388	25.42	30	Pass
149	6695	16.85	16.84	96.723	19.86	5.16	317.344	25.02	30	Pass
181	6855	16.64	16.52	91.006	19.59	5.16	298.586	24.75	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-7, The maximum gain is 5.16 dBi

802.11be (EHT40) 484-tone RU SP

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							
3	5965	15.87	14.99	70.187	18.46	5.14	229.222	23.6	30	Pass
43	6165	17.29	16.79	101.333	20.06	5.14	330.941	25.2	30	Pass
91	6405	16.91	16.41	92.843	19.68	5.14	303.214	24.82	30	Pass
123	6565	17.20	16.94	101.912	20.08	5.16	334.368	25.24	30	Pass
155	6725	16.86	16.81	96.502	19.85	5.16	316.619	25.01	30	Pass
179	6845	16.75	16.65	93.553	19.71	5.16	306.943	24.87	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-7, The maximum gain is 5.16 dBi

802.11be (EHT80) 996-tone RU SP

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							
7	5985	15.85	15.13	71.043	18.52	5.14	232.018	23.66	30	Pass
39	6145	15.13	14.62	61.557	17.89	5.14	201.038	23.03	30	Pass
87	6385	14.68	14.03	54.669	17.38	5.14	178.542	22.52	30	Pass
135	6625	14.20	13.68	49.637	16.96	5.16	162.857	22.12	30	Pass
151	6705	13.80	13.53	46.531	16.68	5.16	152.666	21.84	30	Pass
167	6785	13.45	13.27	43.363	16.37	5.16	142.272	21.53	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-7, The maximum gain is 5.16 dBi

802.11be (EHT160) 2x996-tone RU SP

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							
15	6025	15.54	15.03	67.652	18.30	5.14	220.943	23.44	30	Pass
47	6185	17.13	16.66	97.986	19.91	5.14	320.01	25.05	30	Pass
79	6345	16.45	16.03	84.244	19.26	5.14	275.131	24.4	30	Pass
143	6665	17.04	16.75	97.898	19.91	5.16	321.199	25.07	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-7, The maximum gain is 5.16 dBi

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

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	12.83	12.16	35.63	15.52	5.14	116.363	20.66	30	Pass
117	6535	12.51	11.51	31.982	15.05	5.16	104.931	20.21	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-7, The maximum gain is 5.16 dBi

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

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	15.59	14.97	67.629	18.30	5.14	220.868	23.44	30	Pass
117	6535	15.33	14.37	61.472	17.89	5.16	201.687	23.05	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-7, The maximum gain is 5.16 dBi

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

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							
7	5985	17.07	16.48	95.396	19.80	5.14	311.552	24.94	30	Pass
135	6625	19.36	18.87	163.388	22.13	5.16	536.068	27.29	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-7, The maximum gain is 5.16 dBi

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

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							
15	6025	16.57	15.88	84.12	19.25	5.14	274.726	24.39	30	Pass
143	6665	15.32	14.83	64.45	18.09	5.16	211.457	23.25	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-7, The maximum gain is 5.16 dBi

802.11be (EHT320) 2x996+484-tone MRU SP

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							
31	6105	17.25	16.69	99.754	19.99	5.14	325.784	25.13	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi

802.11be (EHT320) 3x996-tone MRU SP

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							
31	6105	16.28	15.72	79.787	19.02	5.14	260.575	24.16	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi

802.11be (EHT320) 3x996+484-tone MRU SP

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							
31	6105	15.58	15.01	67.837	18.31	5.14	221.547	23.45	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi

802.11be (EHT80) Punctured by 20 MHz SP

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							
7	5985	17.49	17.05	106.804	20.29	5.14	348.809	25.43	30	Pass
135	6625	17.18	17.17	104.359	20.19	5.16	342.397	25.35	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-7, The maximum gain is 5.16 dBi

802.11be (EHT160) Punctured by 20 MHz SP

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							
15	6025	16.12	15.66	77.739	18.91	5.14	253.886	24.05	30	Pass
143	6665	17.49	17.33	110.18	20.42	5.16	361.495	25.58	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-7, The maximum gain is 5.16 dBi

802.11be (EHT160) Punctured by 40 MHz SP

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							
15	6025	16.25	15.75	79.753	19.02	5.14	260.464	24.16	30	Pass
143	6665	17.64	17.37	112.652	20.52	5.16	369.606	25.68	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-7, The maximum gain is 5.16 dBi

802.11be (EHT320) Punctured by 40 MHz SP

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							
31	6105	16.47	16.01	84.263	19.26	5.14	275.193	24.4	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi

802.11be (EHT320) Punctured by 80 MHz SP

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							
31	6105	15.89	15.34	73.013	18.63	5.14	238.452	23.77	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi

802.11be (EHT320) Punctured by 80+40 MHz SP

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							
31	6105	15.08	14.48	60.265	17.80	5.14	196.818	22.94	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, The maximum gain is 5.14 dBi
3. For U-NII-7, The maximum gain is 5.16 dBi

Mode E

Input Power:	3.3 Vdc	Environmental Conditions:	24°C, 61, 60% RH	Tested By:	Eric Peng

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							
2	5935	-9.14	-9.56	0.2326	-6.33	5.14	0.7596	-1.19	24	Pass
1	5955	2.30	2.54	3.493	5.43	5.14	11.408	10.57	24	Pass
45	6175	0.31	0.57	2.214	3.45	5.14	7.231	8.59	24	Pass
93	6415	1.03	0.91	2.501	3.98	5.14	8.168	9.12	24	Pass
97	6435	2.66	2.32	3.551	5.50	5.09	11.464	10.59	24	Pass
105	6475	2.36	2.52	3.508	5.45	5.09	11.326	10.54	24	Pass
113	6515	2.51	2.09	3.4	5.31	5.09	10.977	10.4	24	Pass
117	6535	1.53	1.68	2.895	4.62	5.16	9.498	9.78	24	Pass
149	6695	1.34	2.36	3.083	4.89	5.16	10.115	10.05	24	Pass
181	6855	1.08	2.47	3.048	4.84	5.16	10	10	24	Pass
185	6875	1.55	2.18	3.081	4.89	5.16	10.109	10.05	24	Pass
209	6995	1.95	2.59	3.382	5.29	5.12	10.994	10.41	24	Pass
233	7115	-9.62	-8.72	0.2434	-6.14	5.12	0.7913	-1.02	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 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	5.95	5.47	7.459	8.73	5.14	24.36	13.87	24	Pass
43	6165	6.12	4.65	7.01	8.46	5.14	22.894	13.6	24	Pass
91	6405	4.76	3.77	5.375	7.30	5.14	17.554	12.44	24	Pass
99	6445	5.15	4.50	6.092	7.85	5.09	19.668	12.94	24	Pass
107	6485	5.62	4.85	6.702	8.26	5.09	21.637	13.35	24	Pass
115	6525	5.57	4.96	6.739	8.29	5.16	22.11	13.45	24	Pass
123	6565	5.60	4.57	6.495	8.13	5.16	21.31	13.29	24	Pass
155	6725	4.62	4.51	5.722	7.58	5.16	18.774	12.74	24	Pass
179	6845	4.90	4.62	5.988	7.77	5.16	19.646	12.93	24	Pass
187	6885	5.06	4.78	6.212	7.93	5.12	20.194	13.05	24	Pass
211	7005	4.74	4.72	5.943	7.74	5.12	19.32	12.86	24	Pass
227	7085	4.64	4.88	5.987	7.77	5.12	19.463	12.89	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 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	7.71	7.35	11.335	10.54	5.14	37.019	15.68	24	Pass
39	6145	7.43	6.70	10.211	10.09	5.14	33.348	15.23	24	Pass
87	6385	7.10	6.53	9.626	9.83	5.14	31.437	14.97	24	Pass
103	6465	8.42	7.71	12.852	11.09	5.09	41.493	16.18	24	Pass
119	6545	7.64	7.20	11.056	10.44	5.16	36.274	15.6	24	Pass
151	6705	6.89	6.68	9.542	9.80	5.16	31.307	14.96	24	Pass
183	6865	6.74	6.42	9.106	9.59	5.16	29.876	14.75	24	Pass
199	6945	8.38	7.82	12.94	11.12	5.12	42.066	16.24	24	Pass
215	7025	8.23	6.82	11.461	10.59	5.12	37.258	15.71	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 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	11.70	11.35	28.437	14.54	5.14	92.872	19.68	24	Pass
47	6185	11.59	10.90	26.724	14.27	5.14	87.277	19.41	24	Pass
79	6345	10.38	10.41	21.904	13.41	5.14	71.536	18.55	24	Pass
111	6505	11.75	10.87	27.18	14.34	5.09	87.75	19.43	24	Pass
143	6665	11.59	10.94	26.838	14.29	5.16	88.054	19.45	24	Pass
175	6825	10.96	10.57	23.876	13.78	5.16	78.336	18.94	24	Pass
207	6985	11.66	11.31	28.176	14.50	5.12	91.597	19.62	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 dBi

802.11be (EHT320)

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							
31	6105	15.16	14.79	62.94	17.99	5.14	205.554	23.13	24	Pass
63	6265	14.71	14.29	56.434	17.52	5.14	184.307	22.66	24	Pass
95	6425	14.60	14.39	56.319	17.51	5.14	183.931	22.65	24	Pass
127	6585	15.36	14.30	61.271	17.87	5.16	201.027	23.03	24	Pass
159	6745	14.23	14.13	52.367	17.19	5.16	171.814	22.35	24	Pass
191	6905	14.51	14.84	58.728	17.69	5.12	190.917	22.81	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 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							
2	5935	-16.94	-17.09	0.03977	-14.00	5.14	0.1299	-8.86	24	Pass
1	5955	-6.00	-6.10	0.4967	-3.04	5.14	1.622	2.1	24	Pass
45	6175	-8.23	-8.11	0.3048	-5.16	5.14	0.9954	-0.02	24	Pass
93	6415	-7.20	-7.42	0.3717	-4.30	5.14	1.214	0.84	24	Pass
97	6435	-7.41	-7.44	0.3619	-4.41	5.09	1.168	0.67	24	Pass
105	6475	-7.39	-7.58	0.357	-4.47	5.09	1.153	0.62	24	Pass
113	6515	-7.20	-7.07	0.3869	-4.12	5.09	1.249	0.97	24	Pass
117	6535	-7.76	-7.79	0.3338	-4.77	5.16	1.095	0.39	24	Pass
149	6695	-7.50	-7.13	0.3715	-4.30	5.16	1.219	0.86	24	Pass
181	6855	-8.01	-7.46	0.3376	-4.72	5.16	1.108	0.45	24	Pass
185	6875	-7.69	-6.77	0.3806	-4.20	5.16	1.249	0.97	24	Pass
209	6995	-7.89	-7.71	0.332	-4.79	5.12	1.079	0.33	24	Pass
233	7115	-16.49	-16.00	0.04756	-13.23	5.12	0.1546	-8.11	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 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							
2	5935	-14.03	-14.50	0.07502	-11.25	5.14	0.245	-6.11	24	Pass
1	5955	-3.24	-3.11	0.9629	-0.16	5.14	3.145	4.98	24	Pass
45	6175	-5.88	-5.56	0.5362	-2.71	5.14	1.751	2.43	24	Pass
93	6415	-4.57	-4.76	0.6833	-1.65	5.14	2.232	3.49	24	Pass
97	6435	-4.64	-5.15	0.6491	-1.88	5.09	2.096	3.21	24	Pass
105	6475	-4.74	-5.00	0.652	-1.86	5.09	2.105	3.23	24	Pass
113	6515	-4.50	-4.28	0.7281	-1.38	5.09	2.351	3.71	24	Pass
117	6535	-5.02	-5.16	0.6196	-2.08	5.16	2.033	3.08	24	Pass
149	6695	-5.21	-4.40	0.6644	-1.78	5.16	2.18	3.38	24	Pass
181	6855	-5.11	-4.41	0.6706	-1.74	5.16	2.2	3.42	24	Pass
185	6875	-5.18	-4.55	0.6541	-1.84	5.16	2.146	3.32	24	Pass
209	6995	-5.45	-4.46	0.6432	-1.92	5.12	2.091	3.2	24	Pass
233	7115	-14.58	-14.14	0.07338	-11.34	5.12	0.2385	-6.23	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 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							
2	5935	-13.39	-13.30	0.09259	-10.33	5.14	0.3024	-5.19	24	Pass
1	5955	-0.42	-1.00	1.7021	2.31	5.14	5.559	7.45	24	Pass
45	6175	-2.79	-3.01	1.0261	0.11	5.14	3.351	5.25	24	Pass
93	6415	-2.03	-2.13	1.239	0.93	5.14	4.046	6.07	24	Pass
97	6435	-0.99	-1.10	1.5724	1.97	5.09	5.076	7.06	24	Pass
105	6475	-1.20	-0.88	1.5752	1.97	5.09	5.086	7.06	24	Pass
113	6515	-0.98	-0.88	1.6146	2.08	5.09	5.213	7.17	24	Pass
117	6535	-1.10	-1.26	1.5244	1.83	5.16	5.001	6.99	24	Pass
149	6695	-1.09	-0.31	1.7091	2.33	5.16	5.607	7.49	24	Pass
181	6855	-1.33	-0.68	1.5913	2.02	5.16	5.221	7.18	24	Pass
185	6875	-1.36	-0.70	1.5823	1.99	5.16	5.191	7.15	24	Pass
209	6995	-1.07	-1.01	1.5741	1.97	5.12	5.117	7.09	24	Pass
233	7115	-11.50	-10.97	0.15078	-8.22	5.12	0.4902	-3.1	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 dBi

802.11be (EHT20) 242-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							
2	5935	-10.07	-10.36	0.19045	-7.20	5.14	0.622	-2.06	24	Pass
1	5955	2.60	2.34	3.534	5.48	5.14	11.542	10.62	24	Pass
45	6175	0.47	0.53	2.244	3.51	5.14	7.329	8.65	24	Pass
93	6415	0.73	0.77	2.377	3.76	5.14	7.763	8.9	24	Pass
97	6435	2.03	2.33	3.306	5.19	5.09	10.673	10.28	24	Pass
105	6475	2.44	2.35	3.472	5.41	5.09	11.209	10.5	24	Pass
113	6515	2.18	2.02	3.244	5.11	5.09	10.473	10.2	24	Pass
117	6535	1.49	1.66	2.875	4.59	5.16	9.433	9.75	24	Pass
149	6695	1.53	2.24	3.097	4.91	5.16	10.161	10.07	24	Pass
181	6855	1.75	1.90	3.045	4.84	5.16	9.991	10	24	Pass
185	6875	1.32	2.15	2.996	4.77	5.16	9.83	9.93	24	Pass
209	6995	1.85	2.17	3.179	5.02	5.12	10.335	10.14	24	Pass
233	7115	-9.72	-10.05	0.20551	-6.87	5.12	0.6681	-1.75	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 dBi

802.11be (EHT40) 484-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							
3	5965	6.00	5.49	7.521	8.76	5.14	24.563	13.9	24	Pass
43	6165	5.71	4.61	6.615	8.21	5.14	21.604	13.35	24	Pass
91	6405	4.85	3.75	5.426	7.34	5.14	17.721	12.48	24	Pass
99	6445	5.05	4.07	5.752	7.60	5.09	18.57	12.69	24	Pass
107	6485	5.43	4.28	6.171	7.90	5.09	19.923	12.99	24	Pass
115	6525	5.54	4.39	6.329	8.01	5.16	20.765	13.17	24	Pass
123	6565	5.46	4.48	6.321	8.01	5.16	20.739	13.17	24	Pass
155	6725	4.80	4.14	5.614	7.49	5.16	18.419	12.65	24	Pass
179	6845	4.98	4.29	5.833	7.66	5.16	19.138	12.82	24	Pass
187	6885	5.13	4.40	6.013	7.79	5.12	19.547	12.91	24	Pass
211	7005	4.84	4.46	5.84	7.66	5.12	18.985	12.78	24	Pass
227	7085	5.11	4.33	5.954	7.75	5.12	19.356	12.87	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 dBi

802.11be (EHT80) 996-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							
7	5985	7.87	7.13	11.288	10.53	5.14	36.865	15.67	24	Pass
39	6145	7.47	6.57	10.124	10.05	5.14	33.064	15.19	24	Pass
87	6385	6.98	5.90	8.879	9.48	5.14	28.998	14.62	24	Pass
103	6465	8.24	6.64	11.281	10.52	5.09	36.421	15.61	24	Pass
119	6545	7.89	6.52	10.639	10.27	5.16	34.906	15.43	24	Pass
151	6705	7.40	6.40	9.861	9.94	5.16	32.353	15.1	24	Pass
183	6865	7.19	6.18	9.386	9.72	5.16	30.795	14.88	24	Pass
199	6945	8.48	7.55	12.735	11.05	5.12	41.4	16.17	24	Pass
215	7025	7.67	7.36	11.293	10.53	5.12	36.712	15.65	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 dBi

802.11be (EHT160) 2x996-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							
15	6025	11.61	11.12	27.43	14.38	5.14	89.583	19.52	24	Pass
47	6185	11.45	10.75	25.849	14.12	5.14	84.42	19.26	24	Pass
79	6345	10.72	10.00	21.803	13.39	5.14	71.206	18.53	24	Pass
111	6505	12.08	11.09	28.996	14.62	5.09	93.613	19.71	24	Pass
143	6665	11.99	10.37	26.702	14.27	5.16	87.608	19.43	24	Pass
175	6825	11.04	10.41	23.696	13.75	5.16	77.745	18.91	24	Pass
207	6985	11.52	11.16	27.252	14.35	5.12	88.593	19.47	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 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	-2.19	-2.53	1.1624	0.65	5.14	3.796	5.79	24	Pass
97	6435	-3.61	-4.05	0.8291	-0.81	5.09	2.677	4.28	24	Pass
181	6855	-4.29	-3.79	0.7902	-1.02	5.16	2.593	4.14	24	Pass
209	6995	-4.13	-3.81	0.8023	-0.96	5.12	2.608	4.16	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 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	-0.20	-0.63	1.82	2.60	5.14	5.944	7.74	24	Pass
97	6435	-0.48	-0.49	1.7887	2.53	5.09	5.775	7.62	24	Pass
181	6855	-1.08	-0.31	1.7109	2.33	5.16	5.613	7.49	24	Pass
209	6995	-0.96	-0.51	1.6909	2.28	5.12	5.497	7.4	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 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	6.49	5.62	8.104	9.09	5.14	26.467	14.23	24	Pass
103	6465	6.53	5.70	8.213	9.15	5.09	26.516	14.24	24	Pass
119	6545	7.02	5.73	8.776	9.43	5.16	28.794	14.59	24	Pass
215	7025	6.39	5.79	8.148	9.11	5.12	26.488	14.23	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 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	9.81	9.01	17.534	12.44	5.14	57.264	17.58	24	Pass
111	6505	10.42	9.50	19.928	12.99	5.09	64.337	18.08	24	Pass
143	6665	9.52	8.75	16.453	12.16	5.16	53.982	17.32	24	Pass
207	6985	9.27	8.61	15.714	11.96	5.12	51.084	17.08	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 dBi

802.11be (EHT320) 2x996+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							
31	6105	13.51	12.62	40.72	16.10	5.14	132.987	21.24	24	Pass
127	6585	13.45	12.42	39.589	15.98	5.16	129.89	21.14	24	Pass
191	6905	13.07	12.74	39.07	15.92	5.16	128.187	21.08	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 dBi

802.11be (EHT320) 3x996-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							
31	6105	12.19	11.29	30.016	14.77	5.14	98.029	19.91	24	Pass
127	6585	12.75	11.68	33.56	15.26	5.16	110.109	20.42	24	Pass
191	6905	10.71	10.81	23.826	13.77	5.16	78.172	18.93	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 dBi

802.11be (EHT320) 3x996+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							
31	6105	11.78	10.97	27.569	14.40	5.14	90.037	19.54	24	Pass
127	6585	12.03	10.75	27.844	14.45	5.16	91.355	19.61	24	Pass
191	6905	11.65	11.03	27.298	14.36	5.16	89.563	19.52	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 dBi

802.11be (EHT80) Punctured by 20 MHz

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	6.47	6.14	8.548	9.32	5.14	27.917	14.46	24	Pass
103	6465	6.89	6.21	9.065	9.57	5.09	29.266	14.66	24	Pass
119	6545	7.02	5.84	8.872	9.48	5.16	29.109	14.64	24	Pass
215	7025	6.64	6.16	8.744	9.42	5.12	28.426	14.54	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 dBi

802.11be (EHT160) Punctured by 20 MHz

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	10.86	10.24	22.758	13.57	5.14	74.325	18.71	24	Pass
111	6505	10.63	10.01	21.584	13.34	5.09	69.684	18.43	24	Pass
143	6665	10.66	10.05	21.757	13.38	5.16	71.384	18.54	24	Pass
207	6985	9.90	9.75	19.213	12.84	5.12	62.459	17.96	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 dBi

802.11be (EHT160) Punctured by 40 MHz

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	11.18	10.45	24.214	13.84	5.14	79.08	18.98	24	Pass
111	6505	10.71	10.05	21.892	13.40	5.09	70.678	18.49	24	Pass
143	6665	10.88	10.24	22.814	13.58	5.16	74.852	18.74	24	Pass
207	6985	10.24	9.85	20.229	13.06	5.12	65.762	18.18	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 dBi

802.11be (EHT320) Punctured by 40 MHz

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							
31	6105	14.25	13.41	48.535	16.86	5.14	158.509	22	24	Pass
127	6585	14.25	13.54	49.202	16.92	5.16	161.429	22.08	24	Pass
191	6905	13.77	13.38	45.6	16.59	5.16	149.611	21.75	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 dBi

802.11be (EHT320) Punctured by 80 MHz

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							
31	6105	12.68	11.65	33.157	15.21	5.14	108.287	20.35	24	Pass
127	6585	12.43	11.57	31.853	15.03	5.16	104.508	20.19	24	Pass
191	6905	12.36	11.86	32.565	15.13	5.16	106.844	20.29	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 dBi

802.11be (EHT320) Punctured by 80+40 MHz

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							
31	6105	11.22	10.21	23.739	13.75	5.14	77.529	18.89	24	Pass
127	6585	11.19	9.82	22.746	13.57	5.16	74.629	18.73	24	Pass
191	6905	11.16	10.06	23.201	13.66	5.16	76.121	18.82	24	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-6, The directional gain is 5.09 dBi
3. For U-NII-7, The directional gain is 5.16 dBi
4. For U-NII-8, The directional gain is 5.12 dBi

Mode F

Input Power:	3.3 Vdc	Environmental Conditions:	24°C, 62% RH	Tested By:	Eric Peng

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							
2	5935	-9.17	-9.35	0.2372	-6.25	5.14	0.7747	-1.11	30	Pass
1	5955	20.57	19.79	209.305	23.21	5.14	683.565	28.35	30	Pass
45	6175	19.90	19.37	184.221	22.65	5.14	601.643	27.79	30	Pass
93	6415	19.81	18.84	172.279	22.36	5.14	562.642	27.5	30	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-7, The directional gain is 5.16 dBi

802.11be (EHT20) 26-tone RU SP

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-17.03	-17.01	0.03972	-14.01	5.14	0.1297	-8.87	30	Pass
1	5955	11.47	10.84	26.162	14.18	5.14	85.442	19.32	30	Pass
45	6175	10.90	10.14	22.63	13.55	5.14	73.907	18.69	30	Pass
93	6415	11.01	10.25	23.211	13.66	5.14	75.804	18.8	30	Pass
117	6535	11.02	10.17	23.047	13.63	5.16	75.616	18.79	30	Pass
149	6695	10.60	10.02	21.528	13.33	5.16	70.632	18.49	30	Pass
181	6855	10.58	10.57	22.831	13.59	5.16	74.907	18.75	30	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-7, The directional gain is 5.16 dBi

802.11be (EHT20) 52-tone RU SP

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-14.39	-14.15	0.07485	-11.26	5.14	0.2445	-6.12	30	Pass
1	5955	14.73	14.21	56.08	17.49	5.14	183.15	22.63	30	Pass
45	6175	14.06	13.36	47.145	16.73	5.14	153.97	21.87	30	Pass
93	6415	14.01	13.21	46.118	16.64	5.14	150.616	21.78	30	Pass
117	6535	14.45	13.37	49.588	16.95	5.16	162.696	22.11	30	Pass
149	6695	13.65	13.37	44.901	16.52	5.16	147.318	21.68	30	Pass
181	6855	13.52	13.26	43.674	16.40	5.16	143.292	21.56	30	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-7, The directional gain is 5.16 dBi

802.11be (EHT20) 106-tone RU SP

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-13.25	-13.25	0.09463	-10.24	5.14	0.3091	-5.1	30	Pass
1	5955	17.57	17.26	110.359	20.43	5.14	360.419	25.57	30	Pass
45	6175	17.10	16.37	94.637	19.76	5.14	309.073	24.9	30	Pass
93	6415	16.81	16.19	89.564	19.52	5.14	292.505	24.66	30	Pass
117	6535	17.59	16.88	106.164	20.26	5.16	348.319	25.42	30	Pass
149	6695	17.21	16.77	100.135	20.01	5.16	328.538	25.17	30	Pass
181	6855	16.96	16.54	94.741	19.77	5.16	310.841	24.93	30	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-7, The directional gain is 5.16 dBi

802.11be (EHT20) 242-tone RU SP

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-9.49	-9.98	0.2129	-6.72	5.14	0.6953	-1.58	30	Pass
1	5955	18.82	18.22	142.582	21.54	5.14	465.655	26.68	30	Pass
45	6175	18.23	17.72	125.683	20.99	5.14	410.465	26.13	30	Pass
93	6415	17.76	17.27	113.037	20.53	5.14	369.165	25.67	30	Pass
117	6535	17.98	17.54	119.56	20.78	5.16	392.271	25.94	30	Pass
149	6695	17.39	17.41	109.908	20.41	5.16	360.603	25.57	30	Pass
181	6855	17.28	17.24	106.423	20.27	5.16	349.169	25.43	30	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-7, The directional gain is 5.16 dBi

802.11be (EHT40) 484-tone RU SP

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	16.17	15.30	75.284	18.77	5.14	245.868	23.91	30	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi

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

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	12.83	12.16	35.63	15.52	5.14	116.363	20.66	30	Pass
117	6535	12.51	11.51	31.982	15.05	5.16	104.931	20.21	30	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-7, The directional gain is 5.16 dBi

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

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	18.37	17.82	129.241	21.11	5.14	422.085	26.25	30	Pass
117	6535	18.21	17.19	118.582	20.74	5.16	389.062	25.9	30	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi
2. For U-NII-7, The directional gain is 5.16 dBi

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

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	17.48	16.85	104.393	20.19	5.14	340.935	25.33	30	Pass

Notes:

1. For U-NII-5, The directional gain is 5.14 dBi

7.2 Power Spectral Density

Mode A

Input Power:	3.3 Vdc	Environmental Conditions:	24°C, 61% RH	Tested By:	Eric Peng

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					
2	5935	-12.41	-12.06	-9.22	8.15	-1.07	-1	Pass
1	5955	-12.31	-12.07	-9.18	8.15	-1.03	-1	Pass
45	6175	-14.43	-14.05	-11.23	8.15	-3.08	-1	Pass
93	6415	-13.71	-13.78	-10.73	8.15	-2.58	-1	Pass
97	6435	-12.70	-12.34	-9.51	8.10	-1.41	-1	Pass
105	6475	-12.84	-12.36	-9.58	8.10	-1.48	-1	Pass
113	6515	-12.59	-12.29	-9.43	8.10	-1.33	-1	Pass
117	6535	-13.08	-12.73	-9.89	8.17	-1.72	-1	Pass
149	6695	-13.19	-12.06	-9.58	8.17	-1.41	-1	Pass
181	6855	-13.17	-12.06	-9.57	8.17	-1.4	-1	Pass
185	6875	-13.15	-12.10	-9.58	8.17	-1.41	-1	Pass
209	6995	-13.26	-12.30	-9.74	8.13	-1.61	-1	Pass
233	7115	-13.13	-12.31	-9.69	8.13	-1.56	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 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					
2	5935	-23.96	-23.55	-20.74	8.15	-12.59	-1	Pass
1	5955	-12.54	-12.32	-9.42	8.15	-1.27	-1	Pass
45	6175	-14.47	-14.16	-11.30	8.15	-3.15	-1	Pass
93	6415	-13.69	-13.73	-10.70	8.15	-2.55	-1	Pass
97	6435	-12.16	-12.17	-9.15	8.10	-1.05	-1	Pass
105	6475	-12.20	-12.20	-9.19	8.10	-1.09	-1	Pass
113	6515	-11.99	-12.85	-9.39	8.10	-1.29	-1	Pass
117	6535	-13.16	-12.95	-10.04	8.17	-1.87	-1	Pass
149	6695	-13.17	-12.19	-9.64	8.17	-1.47	-1	Pass
181	6855	-13.18	-12.14	-9.62	8.17	-1.45	-1	Pass
185	6875	-13.25	-12.20	-9.68	8.17	-1.51	-1	Pass
209	6995	-12.90	-11.85	-9.33	8.13	-1.2	-1	Pass
233	7115	-24.63	-23.78	-21.17	8.13	-13.04	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 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	-11.97	-13.13	-9.50	8.15	-1.35	-1	Pass
43	6165	-12.49	-13.87	-10.12	8.15	-1.97	-1	Pass
91	6405	-13.07	-14.32	-10.64	8.15	-2.49	-1	Pass
99	6445	-12.87	-13.51	-10.17	8.10	-2.07	-1	Pass
107	6485	-12.25	-13.13	-9.66	8.10	-1.56	-1	Pass
115	6525	-12.01	-13.03	-9.48	8.17	-1.31	-1	Pass
123	6565	-12.16	-12.99	-9.54	8.17	-1.37	-1	Pass
155	6725	-12.79	-13.05	-9.91	8.17	-1.74	-1	Pass
179	6845	-12.73	-13.16	-9.93	8.17	-1.76	-1	Pass
187	6885	-12.56	-12.87	-9.70	8.13	-1.57	-1	Pass
211	7005	-12.70	-12.82	-9.75	8.13	-1.62	-1	Pass
227	7085	-13.43	-13.48	-10.44	8.13	-2.31	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 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	-12.26	-12.87	-9.54	8.15	-1.39	-1	Pass
39	6145	-12.61	-13.46	-10.00	8.15	-1.85	-1	Pass
87	6385	-13.25	-13.86	-10.53	8.15	-2.38	-1	Pass
103	6465	-11.87	-12.38	-9.11	8.10	-1.01	-1	Pass
119	6545	-12.48	-12.26	-9.36	8.17	-1.19	-1	Pass
151	6705	-13.05	-13.21	-10.12	8.17	-1.95	-1	Pass
183	6865	-13.08	-13.40	-10.23	8.17	-2.06	-1	Pass
199	6945	-12.86	-12.16	-9.49	8.13	-1.36	-1	Pass
215	7025	-12.18	-12.27	-9.21	8.13	-1.08	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 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	-12.39	-12.82	-9.59	8.15	-1.44	-1	Pass
47	6185	-12.61	-13.22	-9.89	8.15	-1.74	-1	Pass
79	6345	-13.34	-13.68	-10.50	8.15	-2.35	-1	Pass
111	6505	-12.24	-12.81	-9.51	8.10	-1.41	-1	Pass
143	6665	-12.31	-12.90	-9.58	8.17	-1.41	-1	Pass
175	6825	-13.24	-13.13	-10.17	8.17	-2	-1	Pass
207	6985	-12.33	-12.35	-9.33	8.13	-1.2	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 dBi

802.11be (EHT320)

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					
31	6105	-12.29	-12.81	-9.53	8.15	-1.38	-1	Pass
63	6265	-12.80	-13.16	-9.97	8.15	-1.82	-1	Pass
95	6425	-13.05	-13.24	-10.13	8.15	-1.98	-1	Pass
127	6585	-12.19	-12.75	-9.45	8.17	-1.28	-1	Pass
159	6745	-13.27	-13.10	-10.17	8.17	-2	-1	Pass
191	6905	-12.46	-12.49	-9.46	8.17	-1.29	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 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					
2	5935	-23.73	-23.72	-20.71	8.15	-12.56	-1	Pass
1	5955	-13.23	-13.16	-10.18	8.15	-2.03	-1	Pass
45	6175	-15.28	-15.04	-12.15	8.15	-4	-1	Pass
93	6415	-14.25	-14.25	-11.24	8.15	-3.09	-1	Pass
97	6435	-14.40	-14.37	-11.37	8.10	-3.27	-1	Pass
105	6475	-14.37	-14.48	-11.41	8.10	-3.31	-1	Pass
113	6515	-14.20	-14.14	-11.16	8.10	-3.06	-1	Pass
117	6535	-14.72	-14.90	-11.80	8.17	-3.63	-1	Pass
149	6695	-14.69	-14.03	-11.34	8.17	-3.17	-1	Pass
181	6855	-14.92	-14.23	-11.55	8.17	-3.38	-1	Pass
185	6875	-14.89	-13.80	-11.30	8.17	-3.13	-1	Pass
209	6995	-14.75	-14.20	-11.46	8.13	-3.33	-1	Pass
233	7115	-23.85	-23.20	-20.50	8.13	-12.37	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 dBi

802.11be (EHT20) 52-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					
2	5935	-24.22	-23.72	-20.95	8.15	-12.8	-1	Pass
1	5955	-13.48	-13.22	-10.34	8.15	-2.19	-1	Pass
45	6175	-15.52	-15.26	-12.38	8.15	-4.23	-1	Pass
93	6415	-14.32	-14.50	-11.40	8.15	-3.25	-1	Pass
97	6435	-14.49	-14.73	-11.60	8.10	-3.5	-1	Pass
105	6475	-14.69	-14.66	-11.66	8.10	-3.56	-1	Pass
113	6515	-14.28	-14.33	-11.29	8.10	-3.19	-1	Pass
117	6535	-14.91	-14.91	-11.90	8.17	-3.73	-1	Pass
149	6695	-14.95	-14.36	-11.63	8.17	-3.46	-1	Pass
181	6855	-14.96	-14.18	-11.54	8.17	-3.37	-1	Pass
185	6875	-15.08	-14.21	-11.61	8.17	-3.44	-1	Pass
209	6995	-15.12	-14.43	-11.75	8.13	-3.62	-1	Pass
233	7115	-24.84	-24.11	-21.45	8.13	-13.32	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 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					
2	5935	-24.23	-23.83	-21.02	8.15	-12.87	-1	Pass
1	5955	-12.38	-12.61	-9.48	8.15	-1.33	-1	Pass
45	6175	-14.38	-14.54	-11.45	8.15	-3.3	-1	Pass
93	6415	-13.61	-13.74	-10.66	8.15	-2.51	-1	Pass
97	6435	-12.45	-12.54	-9.48	8.10	-1.38	-1	Pass
105	6475	-12.61	-12.48	-9.53	8.10	-1.43	-1	Pass
113	6515	-12.53	-12.36	-9.43	8.10	-1.33	-1	Pass
117	6535	-12.92	-12.70	-9.80	8.17	-1.63	-1	Pass
149	6695	-12.66	-12.08	-9.35	8.17	-1.18	-1	Pass
181	6855	-12.69	-12.13	-9.39	8.17	-1.22	-1	Pass
185	6875	-12.64	-12.23	-9.42	8.17	-1.25	-1	Pass
209	6995	-12.74	-12.39	-9.55	8.13	-1.42	-1	Pass
233	7115	-23.54	-23.00	-20.25	8.13	-12.12	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 dBi

802.11be (EHT20) 242-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					
2	5935	-25.25	-24.86	-22.04	8.15	-13.89	-1	Pass
1	5955	-12.54	-12.69	-9.60	8.15	-1.45	-1	Pass
45	6175	-14.42	-14.57	-11.48	8.15	-3.33	-1	Pass
93	6415	-13.85	-13.71	-10.77	8.15	-2.62	-1	Pass
97	6435	-12.20	-12.56	-9.37	8.10	-1.27	-1	Pass
105	6475	-12.52	-12.65	-9.57	8.10	-1.47	-1	Pass
113	6515	-12.44	-12.59	-9.50	8.10	-1.4	-1	Pass
117	6535	-13.21	-13.07	-10.13	8.17	-1.96	-1	Pass
149	6695	-13.32	-12.54	-9.90	8.17	-1.73	-1	Pass
181	6855	-13.03	-12.90	-9.95	8.17	-1.78	-1	Pass
185	6875	-13.21	-12.36	-9.75	8.17	-1.58	-1	Pass
209	6995	-12.92	-12.50	-9.69	8.13	-1.56	-1	Pass
233	7115	-24.48	-23.92	-21.18	8.13	-13.05	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 dBi

802.11be (EHT40) 484-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					
3	5965	-12.35	-12.98	-9.64	8.15	-1.49	-1	Pass
43	6165	-12.62	-13.77	-10.15	8.15	-2	-1	Pass
91	6405	-13.38	-14.33	-10.82	8.15	-2.67	-1	Pass
99	6445	-12.84	-14.56	-10.61	8.10	-2.51	-1	Pass
107	6485	-12.27	-13.54	-9.85	8.10	-1.75	-1	Pass
115	6525	-12.09	-13.40	-9.69	8.17	-1.52	-1	Pass
123	6565	-12.20	-13.45	-9.77	8.17	-1.6	-1	Pass
155	6725	-12.73	-13.58	-10.12	8.17	-1.95	-1	Pass
179	6845	-12.85	-13.32	-10.07	8.17	-1.9	-1	Pass
187	6885	-12.67	-13.33	-9.98	8.13	-1.85	-1	Pass
211	7005	-12.81	-12.98	-9.88	8.13	-1.75	-1	Pass
227	7085	-13.61	-14.34	-10.95	8.13	-2.82	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 dBi

802.11be (EHT80) 996-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					
7	5985	-12.19	-13.34	-9.72	8.15	-1.57	-1	Pass
39	6145	-12.56	-13.83	-10.14	8.15	-1.99	-1	Pass
87	6385	-13.13	-14.29	-10.66	8.15	-2.51	-1	Pass
103	6465	-12.64	-12.41	-9.51	8.10	-1.41	-1	Pass
119	6545	-12.37	-12.41	-9.38	8.17	-1.21	-1	Pass
151	6705	-13.27	-14.34	-10.76	8.17	-2.59	-1	Pass
183	6865	-12.82	-13.72	-10.24	8.17	-2.07	-1	Pass
199	6945	-12.31	-13.44	-9.83	8.13	-1.7	-1	Pass
215	7025	-12.02	-12.61	-9.29	8.13	-1.16	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 dBi

802.11be (EHT160) 2x996-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					
15	6025	-12.39	-13.06	-9.70	8.15	-1.55	-1	Pass
47	6185	-12.74	-13.48	-10.08	8.15	-1.93	-1	Pass
79	6345	-13.51	-13.96	-10.72	8.15	-2.57	-1	Pass
111	6505	-12.28	-13.23	-9.72	8.10	-1.62	-1	Pass
143	6665	-12.38	-13.38	-9.84	8.17	-1.67	-1	Pass
175	6825	-13.22	-13.60	-10.40	8.17	-2.23	-1	Pass
207	6985	-12.51	-12.77	-9.63	8.13	-1.5	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 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	-13.35	-13.60	-10.46	8.15	-2.31	-1	Pass
97	6435	-14.28	-14.78	-11.51	8.10	-3.41	-1	Pass
181	6855	-14.86	-14.45	-11.64	8.17	-3.47	-1	Pass
209	6995	-15.02	-14.69	-11.84	8.13	-3.71	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 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	-12.96	-13.33	-10.13	8.15	-1.98	-1	Pass
97	6435	-12.98	-13.18	-10.07	8.10	-1.97	-1	Pass
181	6855	-13.56	-12.94	-10.23	8.17	-2.06	-1	Pass
209	6995	-13.61	-13.26	-10.42	8.13	-2.29	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 dBi

802.11be (EHT80) 484+242-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
7	5985	-12.32	-13.21	0.14	-9.59	8.15	-1.44	-1	Pass
103	6465	-12.30	-13.03	0.14	-9.50	8.10	-1.4	-1	Pass
119	6545	-12.04	-13.14	0.14	-9.40	8.17	-1.23	-1	Pass
215	7025	-12.69	-13.12	0.14	-9.75	8.13	-1.62	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 dBi

802.11be (EHT160) 996+484-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
15	6025	-13.13	-13.95	0.11	-10.40	8.15	-2.25	-1	Pass
111	6505	-12.11	-13.42	0.11	-9.60	8.10	-1.5	-1	Pass
143	6665	-13.08	-14.09	0.11	-10.44	8.17	-2.27	-1	Pass
207	6985	-13.58	-14.06	0.11	-10.69	8.13	-2.56	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 dBi

802.11be (EHT320) 2x996+484-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
31	6105	-12.51	-13.16	0.16	-9.65	8.15	-1.5	-1	Pass
127	6585	-12.60	-13.08	0.16	-9.66	8.17	-1.49	-1	Pass
191	6905	-12.78	-12.69	0.16	-9.56	8.17	-1.39	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 dBi

802.11be (EHT320) 3x996-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
31	6105	-14.20	-15.14	0.16	-11.47	8.15	-3.32	-1	Pass
127	6585	-14.18	-14.76	0.16	-11.29	8.17	-3.12	-1	Pass
191	6905	-13.48	-13.59	0.16	-10.36	8.17	-2.19	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 dBi

802.11be (EHT320) 3x996+484-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
31	6105	-15.63	-16.34	0.16	-12.80	8.15	-4.65	-1	Pass
127	6585	-15.30	-16.16	0.16	-12.54	8.17	-4.37	-1	Pass
191	6905	-15.69	-16.04	0.16	-12.69	8.17	-4.52	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 dBi

802.11be (EHT80) Punctured by 20 MHz

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	-12.53	-13.10	-9.80	8.15	-1.65	-1	Pass
103	6465	-11.90	-12.85	-9.34	8.10	-1.24	-1	Pass
119	6545	-11.98	-13.29	-9.58	8.17	-1.41	-1	Pass
215	7025	-12.26	-12.52	-9.38	8.13	-1.25	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 dBi

802.11be (EHT160) Punctured by 20 MHz

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	-12.41	-13.07	-9.72	8.15	-1.57	-1	Pass
111	6505	-13.14	-13.63	-10.37	8.10	-2.27	-1	Pass
143	6665	-13.20	-13.65	-10.41	8.17	-2.24	-1	Pass
207	6985	-13.56	-13.82	-10.68	8.13	-2.55	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 dBi

802.11be (EHT160) Punctured by 40 MHz

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	-12.29	-12.99	-9.62	8.15	-1.47	-1	Pass
111	6505	-12.29	-12.84	-9.55	8.10	-1.45	-1	Pass
143	6665	-12.15	-13.12	-9.60	8.17	-1.43	-1	Pass
207	6985	-12.30	-12.53	-9.40	8.13	-1.27	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 dBi

802.11be (EHT320) Punctured by 40 MHz

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					
31	6105	-13.15	-13.67	-10.39	8.15	-2.24	-1	Pass
127	6585	-12.93	-13.26	-10.08	8.17	-1.91	-1	Pass
191	6905	-13.36	-13.57	-10.45	8.17	-2.28	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 dBi

802.11be (EHT320) Punctured by 80 MHz

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					
31	6105	-13.79	-14.25	-11.00	8.15	-2.85	-1	Pass
127	6585	-13.66	-14.60	-11.09	8.17	-2.92	-1	Pass
191	6905	-14.10	-14.43	-11.25	8.17	-3.08	-1	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 dBi

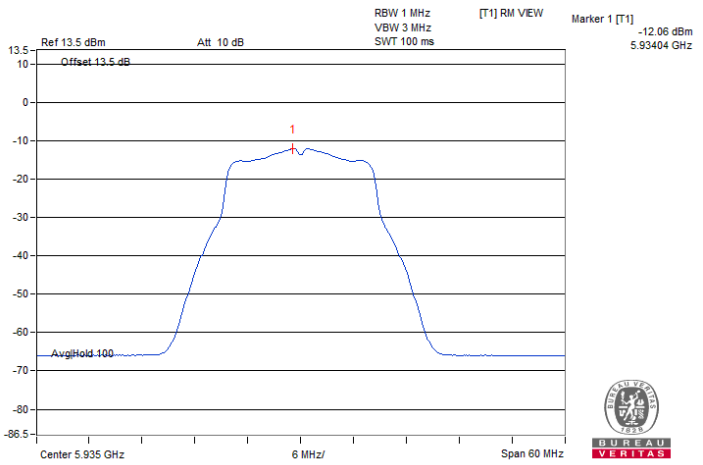
802.11be (EHT320) Punctured by 80+40 MHz

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					
31	6105	-14.38	-15.62	-11.95	8.15	-3.8	-1	Pass
127	6585	-14.47	-15.70	-12.03	8.17	-3.86	-1	Pass
191	6905	-15.04	-15.48	-12.24	8.17	-4.07	-1	Pass

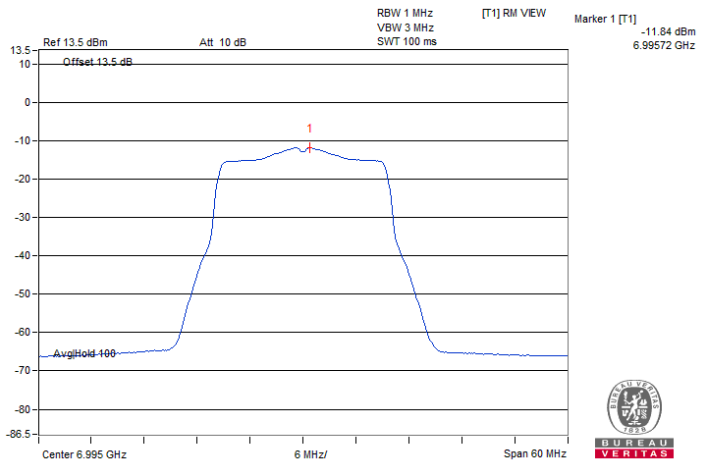
Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-6, The directional gain is 8.1 dBi
5. For U-NII-7, The directional gain is 8.17 dBi
6. For U-NII-8, The directional gain is 8.13 dBi

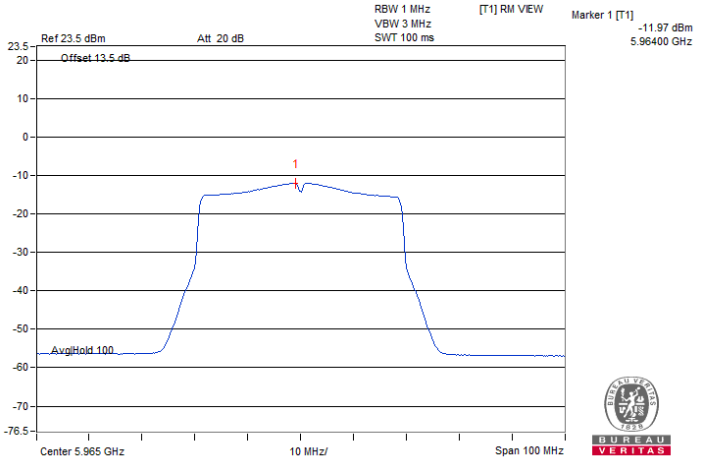
Spectrum Plot of Maximum Value



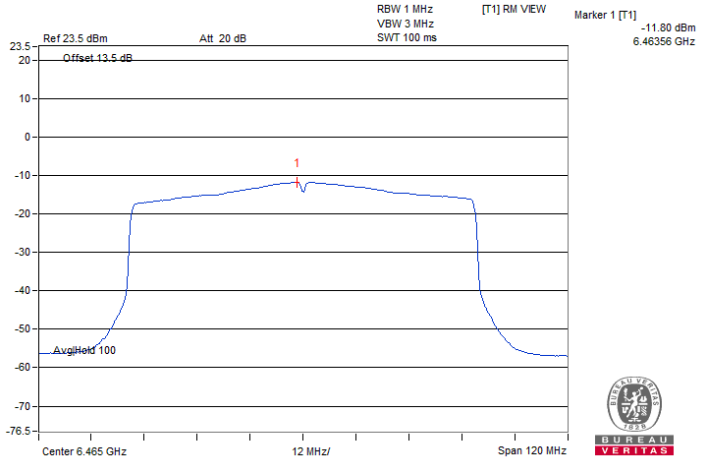
802.11a / Chain 1 : CH 2



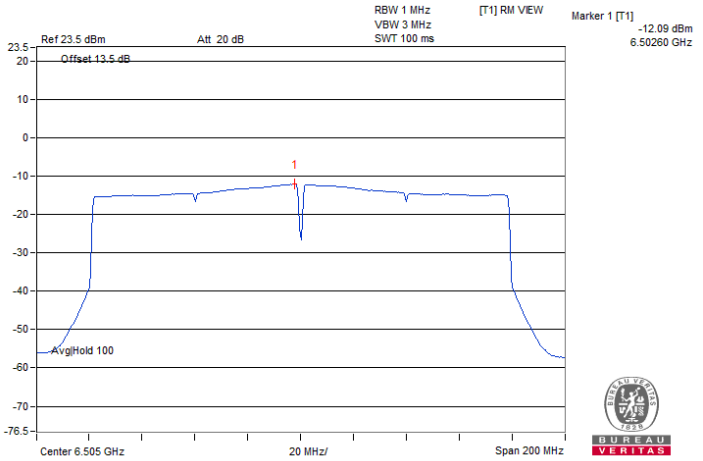
802.11be (EHT20) / Chain 1 : CH 209



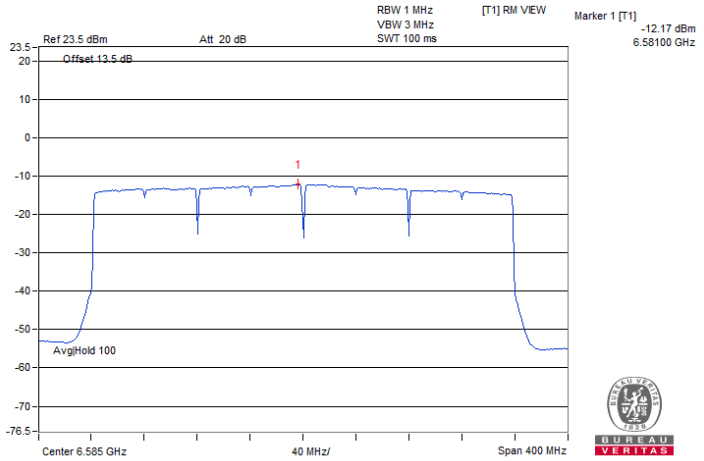
802.11be (EHT40) / Chain 0 : CH 3



802.11be (EHT80) / Chain 0 : CH 103

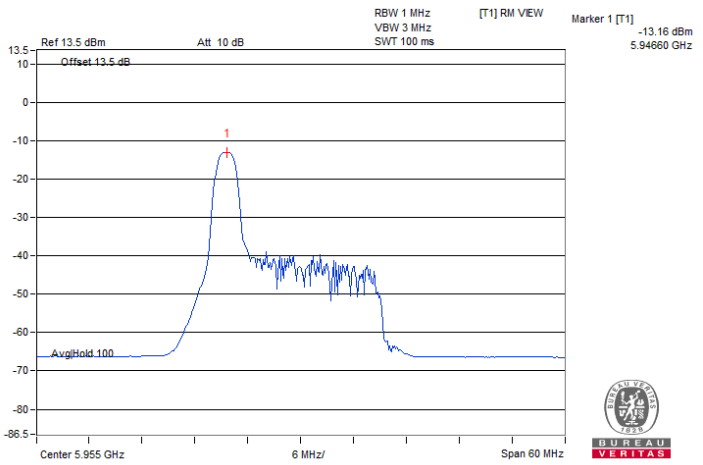


802.11be (EHT160) / Chain 0 : CH 111

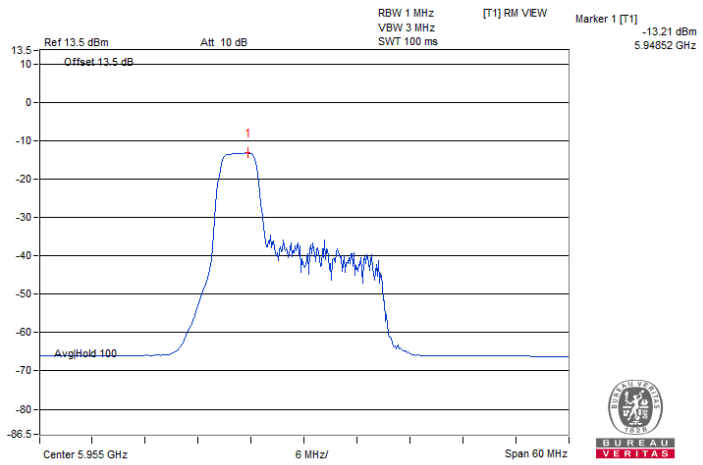


802.11be (EHT320) / Chain 0 : CH 127

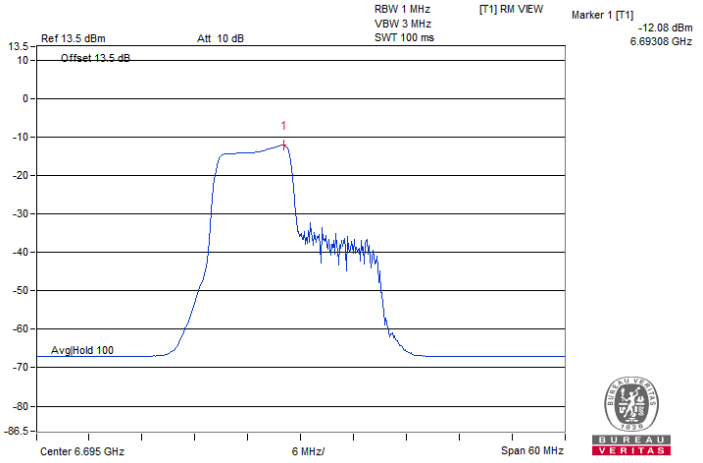
Spectrum Plot of Maximum Value



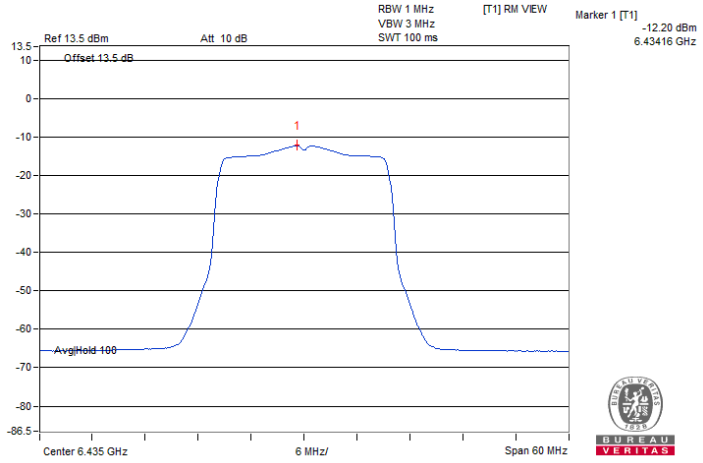
802.11be (EHT20) 26-tone RU / Chain 1 : CH 1@0



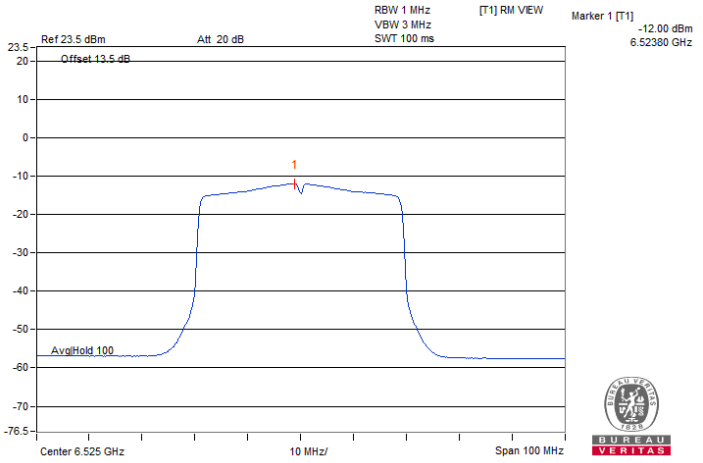
802.11be (EHT20) 52-tone RU / Chain 1 : CH 1@37



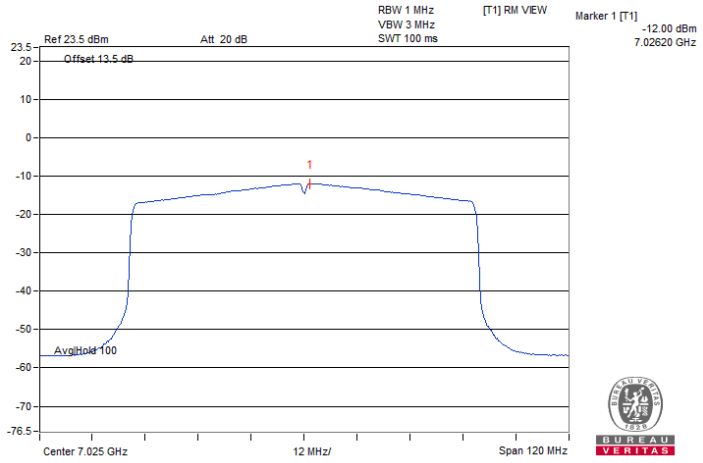
802.11be (EHT20) 106-tone RU / Chain 1 : CH 149@53



802.11be (EHT20) 242-tone RU / Chain 0 : CH 97@61

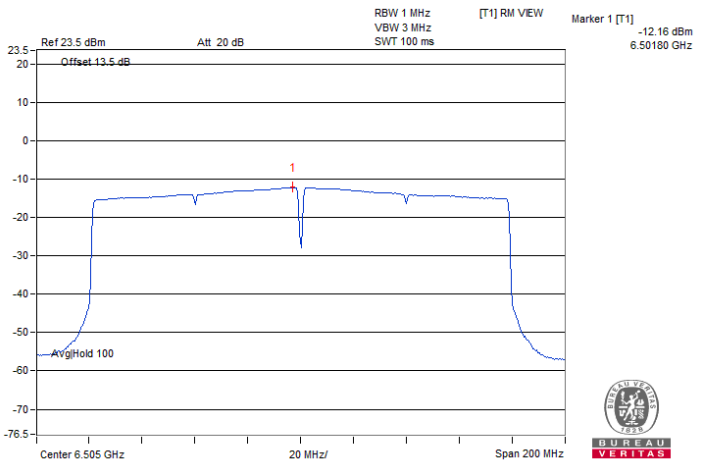


802.11be (EHT40) 484-tone RU / Chain 0 : CH 115@65

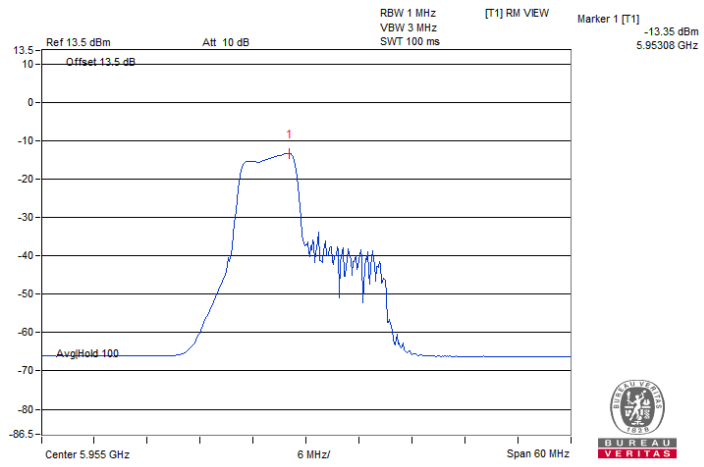


802.11be (EHT80) 996-tone RU / Chain 0 : CH 215@67

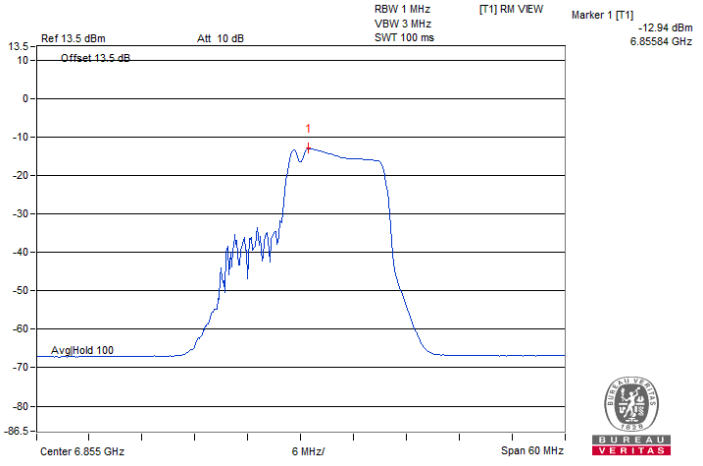
Spectrum Plot of Maximum Value



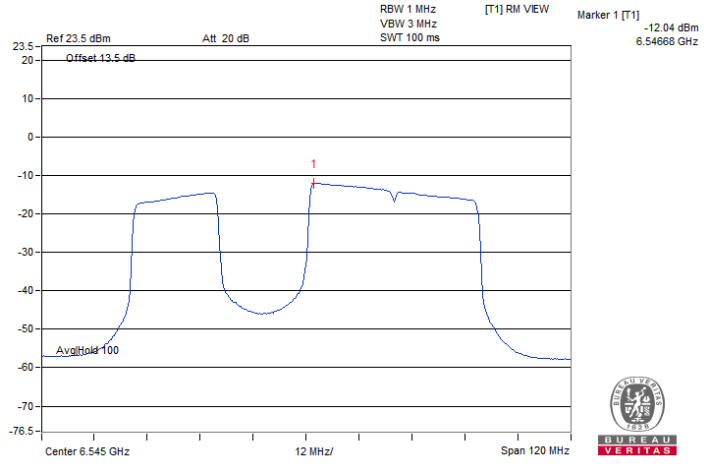
802.11be (EHT160) 2x996-tone RU / Chain 0 : CH 111@68



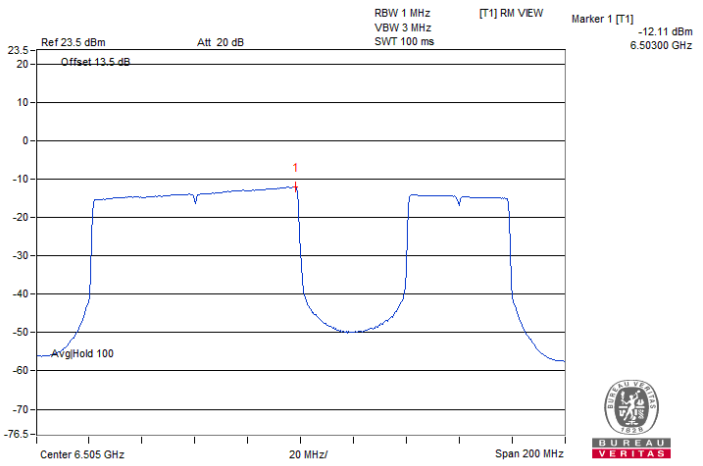
802.11be (EHT20) 52+26-tone MRU / Chain 0 : CH 1@1



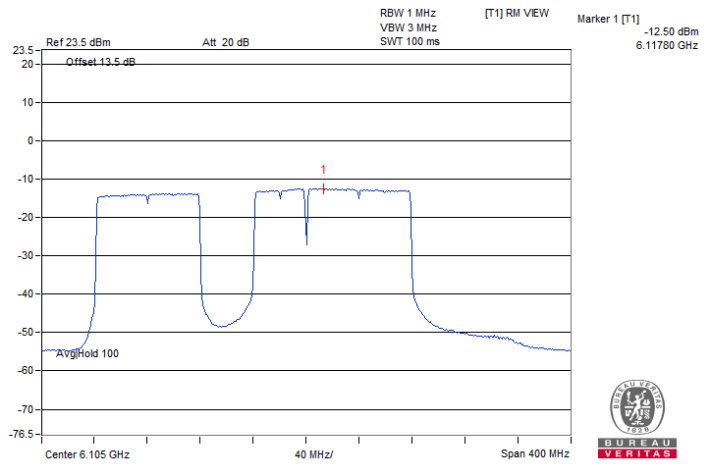
802.11be (EHT20) 106+26-tone MRU / Chain 1 : CH 181@2



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

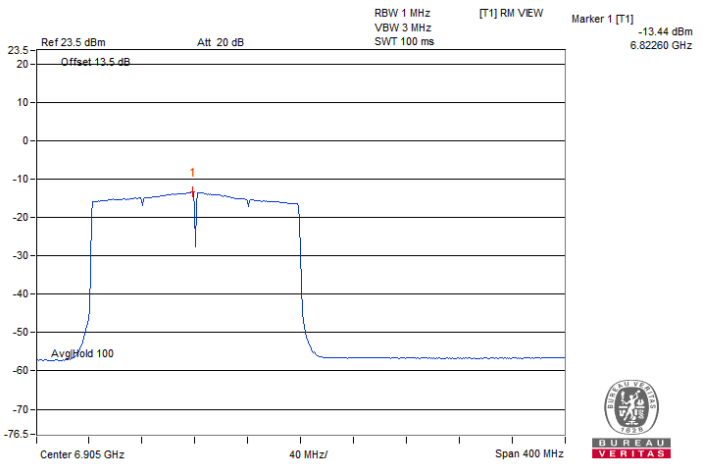


802.11be (EHT160) 996+484-tone MRU / Chain 0 : CH 111@3

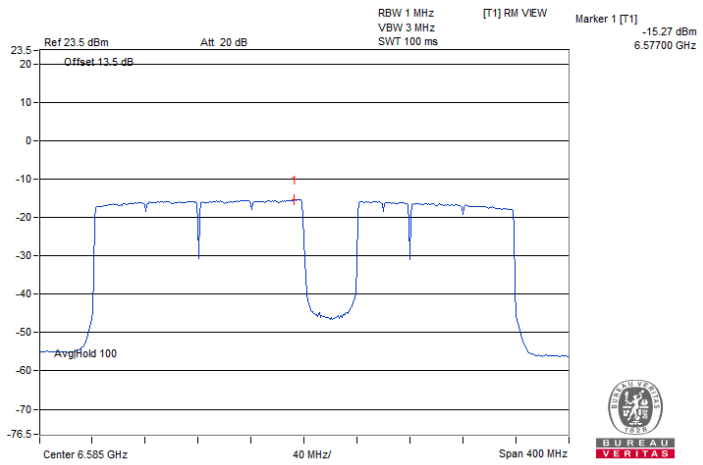


802.11be (EHT320) 2x996+484-tone MRU / Chain 0 : CH 31@3

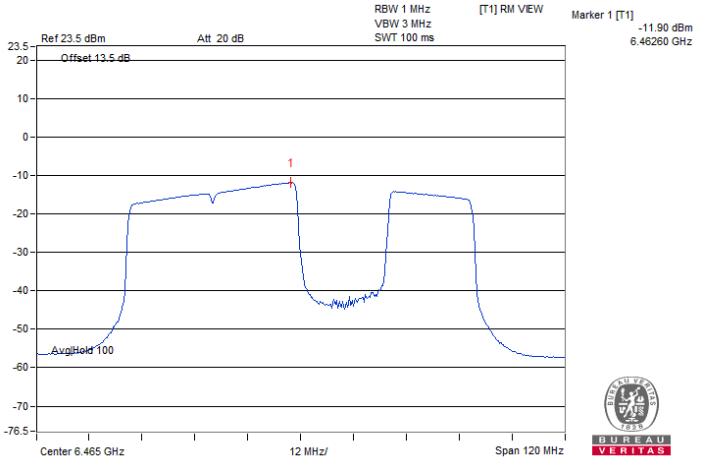
Spectrum Plot of Maximum Value



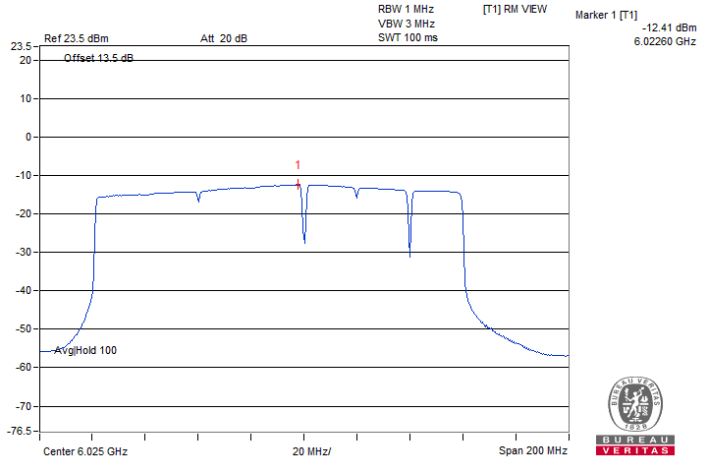
802.11be (EHT320) 3x996-tone MRU / Chain 0 : CH 191@2



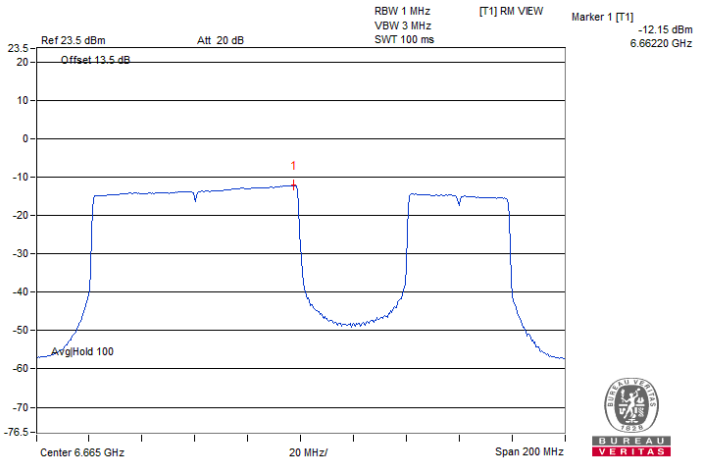
802.11be (EHT320) 3x996+484-tone MRU / Chain 0 : CH 127@4



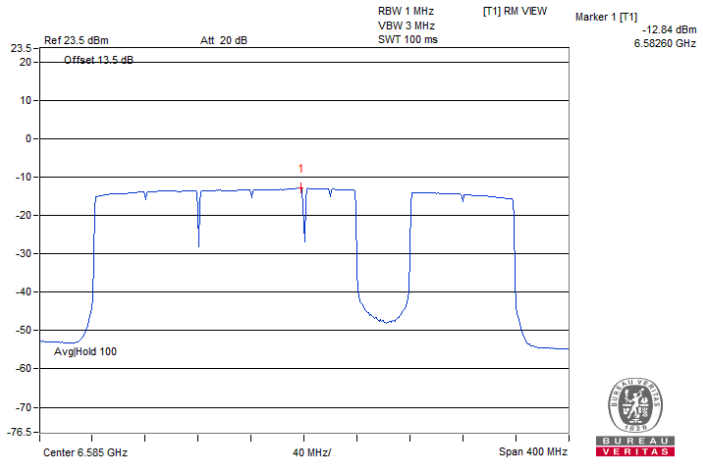
802.11be (EHT80) Punctured by 20 MHz / Chain 0 : CH 103@3



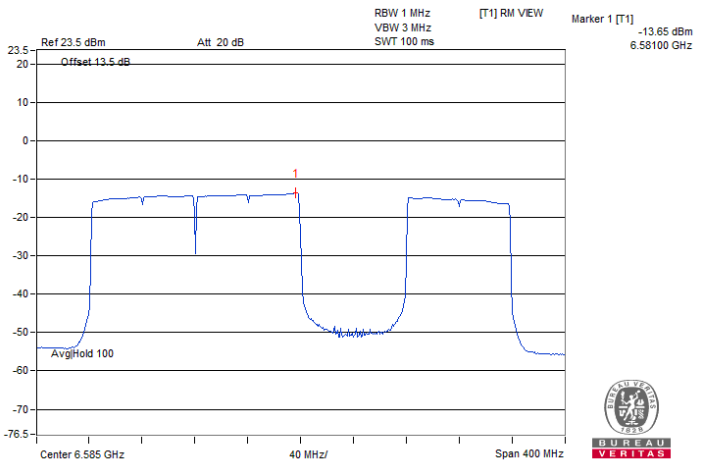
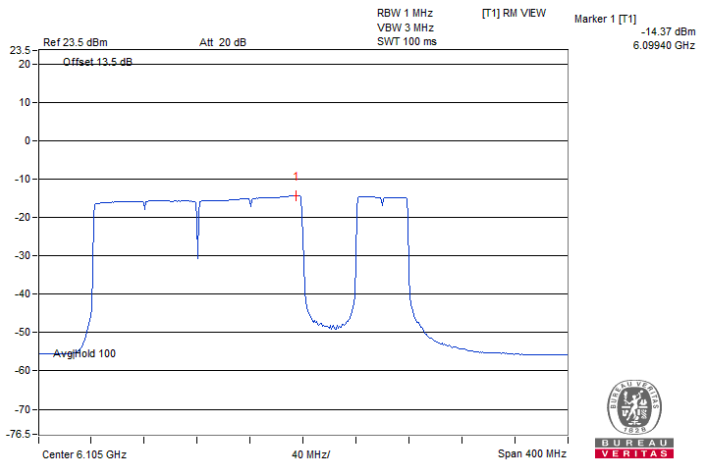
802.11be (EHT160) Punctured by 20 MHz / Chain 0 : CH 15@5



802.11be (EHT160) Punctured by 40 MHz / Chain 0 : CH 143@11



802.11be (EHT320) Punctured by 40 MHz / Chain 0 : CH 127@4

Spectrum Plot of Maximum Value	
	
802.11be (EHT320) Punctured by 80 MHz / Chain 0 : CH 127@10	802.11be (EHT320) Punctured by 80+40 MHz / Chain 0 : CH 31@23

Mode C

Input Power:	3.3 Vdc	Environmental Conditions:	24°C, 62% RH	Tested By:	Eric Peng

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					
2	5935	-12.41	-12.06	-9.22	8.15	-1.07	17	Pass
1	5955	5.56	5.15	8.37	8.15	16.52	17	Pass
45	6175	5.04	4.34	7.71	8.15	15.86	17	Pass
93	6415	4.76	4.18	7.49	8.15	15.64	17	Pass
117	6535	5.98	4.87	8.47	8.17	16.64	17	Pass
149	6695	5.28	5.03	8.17	8.17	16.34	17	Pass
181	6855	5.16	4.94	8.06	8.17	16.23	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-7, The directional gain is 8.17 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					
2	5935	-23.96	-23.55	-20.74	8.15	-12.59	17	Pass
1	5955	5.78	5.16	8.49	8.15	16.64	17	Pass
45	6175	5.18	4.52	7.87	8.15	16.02	17	Pass
93	6415	5.04	4.13	7.62	8.15	15.77	17	Pass
117	6535	6.39	5.01	8.76	8.17	16.93	17	Pass
149	6695	5.73	4.99	8.39	8.17	16.56	17	Pass
181	6855	5.47	4.90	8.20	8.17	16.37	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-7, The directional gain is 8.17 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	2.97	2.23	5.63	8.15	13.78	17	Pass
43	6165	2.39	1.41	4.94	8.15	13.09	17	Pass
91	6405	2.00	1.20	4.63	8.15	12.78	17	Pass
123	6565	2.30	1.70	5.02	8.17	13.19	17	Pass
155	6725	2.07	1.79	4.94	8.17	13.11	17	Pass
179	6845	1.78	1.34	4.58	8.17	12.75	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-7, The directional gain is 8.17 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	-0.37	-0.96	2.36	8.15	10.51	17	Pass
39	6145	-0.26	-0.86	2.46	8.15	10.61	17	Pass
87	6385	-0.94	-1.45	1.82	8.15	9.97	17	Pass
135	6625	-0.24	-0.54	2.62	8.17	10.79	17	Pass
151	6705	-0.89	-0.75	2.19	8.17	10.36	17	Pass
167	6785	-1.25	-0.98	1.90	8.17	10.07	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-7, The directional gain is 8.17 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	-4.81	-5.39	-2.08	8.15	6.07	17	Pass
47	6185	-4.10	-4.76	-1.41	8.15	6.74	17	Pass
79	6345	-4.81	-5.23	-2.00	8.15	6.15	17	Pass
143	6665	-4.05	-4.34	-1.18	8.17	6.99	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-7, The directional gain is 8.17 dBi

802.11be (EHT320)

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					
31	6105	-7.87	-8.64	-5.23	8.15	2.92	17	Pass
63	6265	-8.65	-8.90	-5.76	8.15	2.39	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-7, The directional gain is 8.17 dBi

802.11be (EHT20) 26-tone RU SP

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					
2	5935	-23.73	-23.72	-20.71	8.15	-12.56	17	Pass
1	5955	4.58	3.90	7.26	8.15	15.41	17	Pass
45	6175	4.06	3.23	6.68	8.15	14.83	17	Pass
93	6415	4.15	3.62	6.90	8.15	15.05	17	Pass
117	6535	4.20	3.44	6.85	8.17	15.02	17	Pass
149	6695	3.65	3.32	6.50	8.17	14.67	17	Pass
181	6855	3.86	3.59	6.74	8.17	14.91	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-7, The directional gain is 8.17 dBi

802.11be (EHT20) 52-tone RU SP

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					
2	5935	-24.22	-23.72	-20.95	8.15	-12.8	17	Pass
1	5955	4.68	4.09	7.41	8.15	15.56	17	Pass
45	6175	4.30	3.68	7.01	8.15	15.16	17	Pass
93	6415	4.13	3.58	6.87	8.15	15.02	17	Pass
117	6535	4.54	3.56	7.09	8.17	15.26	17	Pass
149	6695	3.98	3.47	6.74	8.17	14.91	17	Pass
181	6855	3.82	3.49	6.67	8.17	14.84	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-7, The directional gain is 8.17 dBi

802.11be (EHT20) 106-tone RU SP

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					
2	5935	-24.23	-23.83	-21.02	8.15	-12.87	17	Pass
1	5955	6.06	5.51	8.80	8.15	16.95	17	Pass
45	6175	5.57	4.76	8.19	8.15	16.34	17	Pass
93	6415	5.11	4.51	7.83	8.15	15.98	17	Pass
117	6535	5.93	5.05	8.52	8.17	16.69	17	Pass
149	6695	5.47	5.14	8.32	8.17	16.49	17	Pass
181	6855	5.04	4.98	8.02	8.17	16.19	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-7, The directional gain is 8.17 dBi

802.11be (EHT20) 242-tone RU SP

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					
2	5935	-25.25	-24.86	-22.04	8.15	-13.89	17	Pass
1	5955	5.61	5.20	8.42	8.15	16.57	17	Pass
45	6175	5.08	4.43	7.78	8.15	15.93	17	Pass
93	6415	4.90	4.03	7.50	8.15	15.65	17	Pass
117	6535	5.46	5.16	8.32	8.17	16.49	17	Pass
149	6695	4.87	4.89	7.89	8.17	16.06	17	Pass
181	6855	4.53	4.62	7.59	8.17	15.76	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-7, The directional gain is 8.17 dBi

802.11be (EHT40) 484-tone RU SP

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	1.35	0.51	3.96	8.15	12.11	17	Pass
43	6165	2.07	1.66	4.88	8.15	13.03	17	Pass
91	6405	1.77	1.27	4.54	8.15	12.69	17	Pass
123	6565	2.11	1.83	4.98	8.17	13.15	17	Pass
155	6725	1.73	1.89	4.82	8.17	12.99	17	Pass
179	6845	1.43	1.62	4.54	8.17	12.71	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-7, The directional gain is 8.17 dBi

802.11be (EHT80) 996-tone RU SP

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	-1.49	-2.31	1.13	8.15	9.28	17	Pass
39	6145	-2.89	-3.56	-0.20	8.15	7.95	17	Pass
87	6385	-3.34	-4.22	-0.75	8.15	7.4	17	Pass
135	6625	-3.83	-4.30	-1.05	8.17	7.12	17	Pass
151	6705	-4.23	-4.36	-1.28	8.17	6.89	17	Pass
167	6785	-4.69	-4.57	-1.62	8.17	6.55	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-7, The directional gain is 8.17 dBi

802.11be (EHT160) 2x996-tone RU SP

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	-5.93	-6.50	-3.20	8.15	4.95	17	Pass
47	6185	-4.41	-4.68	-1.53	8.15	6.62	17	Pass
79	6345	-5.09	-5.28	-2.17	8.15	5.98	17	Pass
143	6665	-4.43	-4.51	-1.46	8.17	6.71	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-7, The directional gain is 8.17 dBi

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

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	4.92	4.19	7.58	8.15	15.73	17	Pass
117	6535	4.72	3.62	7.22	8.17	15.39	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-7, The directional gain is 8.17 dBi

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

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	5.67	5.08	8.40	8.15	16.55	17	Pass
117	6535	5.65	4.60	8.17	8.17	16.34	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-7, The directional gain is 8.17 dBi

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

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
7	5985	1.89	0.78	0.14	4.52	8.15	12.67	17	Pass
135	6625	3.56	3.10	0.14	6.49	8.17	14.66	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-7, The directional gain is 8.17 dBi

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

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
15	6025	-2.62	-3.69	0.11	0.00	8.15	8.15	17	Pass
143	6665	-4.73	-5.33	0.11	-1.90	8.17	6.27	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-7, The directional gain is 8.17 dBi

802.11be (EHT320) 2x996+484-tone MRU SP

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						
31	6105	-5.08	-5.56	0.16	-2.14	8.15	6.01	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-7, The directional gain is 8.17 dBi

802.11be (EHT320) 3x996-tone MRU SP

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						
31	6105	-6.69	-7.38	0.16	-3.85	8.15	4.3	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi

802.11be (EHT320) 3x996+484-tone MRU SP

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						
31	6105	-8.10	-8.16	0.16	-4.96	8.15	3.19	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi

802.11be (EHT80) Punctured by 20 MHz SP

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	1.97	1.56	4.78	8.15	12.93	17	Pass
135	6625	1.05	1.06	4.07	8.17	12.24	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-7, The directional gain is 8.17 dBi

802.11be (EHT160) Punctured by 20 MHz SP

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	-4.84	-5.46	-2.13	8.15	6.02	17	Pass
143	6665	-5.39	-5.48	-2.42	8.17	5.75	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-7, The directional gain is 8.17 dBi

802.11be (EHT160) Punctured by 40 MHz SP

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	-3.72	-4.46	-1.06	8.15	7.09	17	Pass
143	6665	-4.79	-5.12	-1.94	8.17	6.23	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-7, The directional gain is 8.17 dBi

802.11be (EHT320) Punctured by 40 MHz SP

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					
31	6105	-8.17	-8.56	-5.35	8.15	2.8	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi

802.11be (EHT320) Punctured by 80 MHz SP

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					
31	6105	-8.13	-8.50	-5.30	8.15	2.85	17	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi

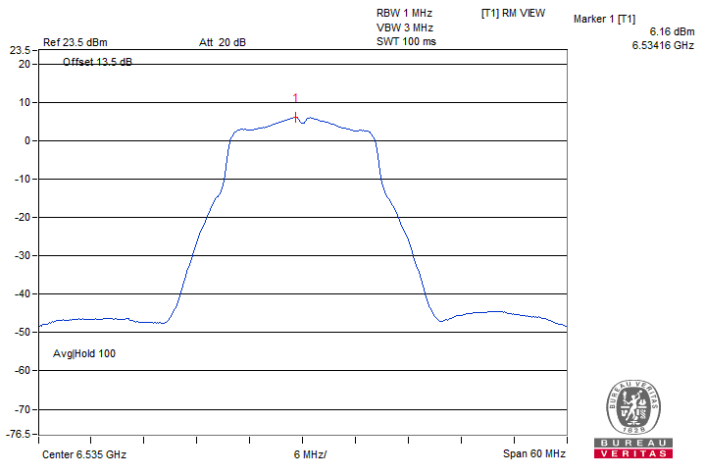
802.11be (EHT320) Punctured by 80+40 MHz SP

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					
31	6105	-8.12	-8.59	-5.34	8.15	2.81	17	Pass

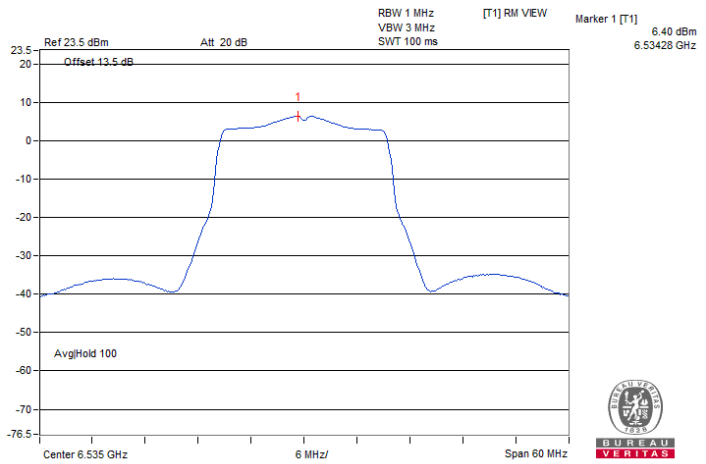
Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi
4. For U-NII-7, The directional gain is 8.17 dBi

Spectrum Plot of Maximum Value

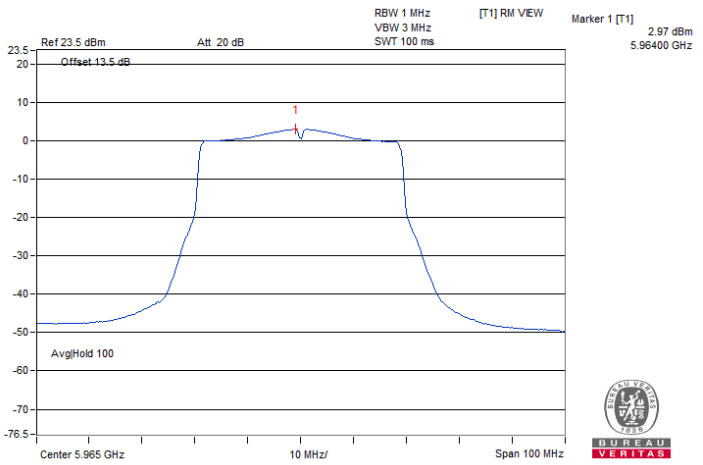


802.11a / Chain 0 : CH 117

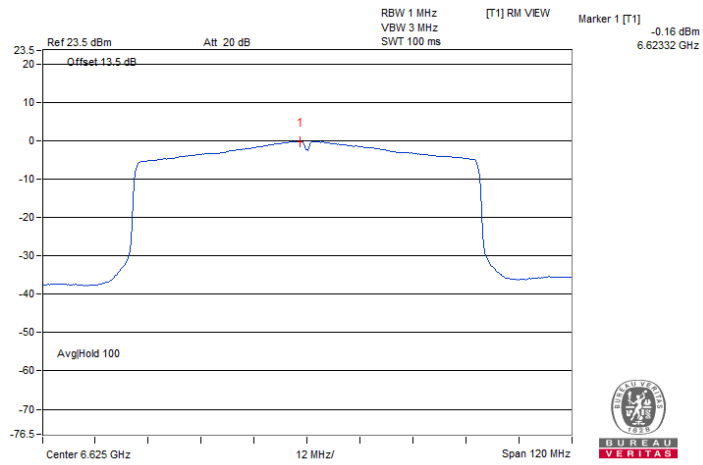


802.11be (EHT20) / Chain 0 : CH 117

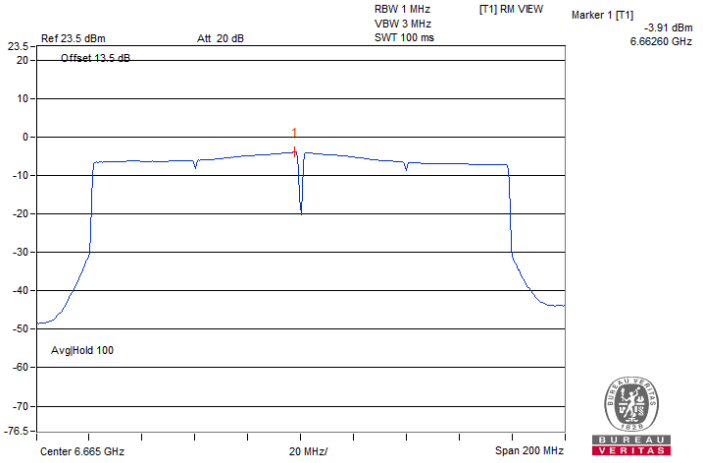
Spectrum Plot of Maximum Value



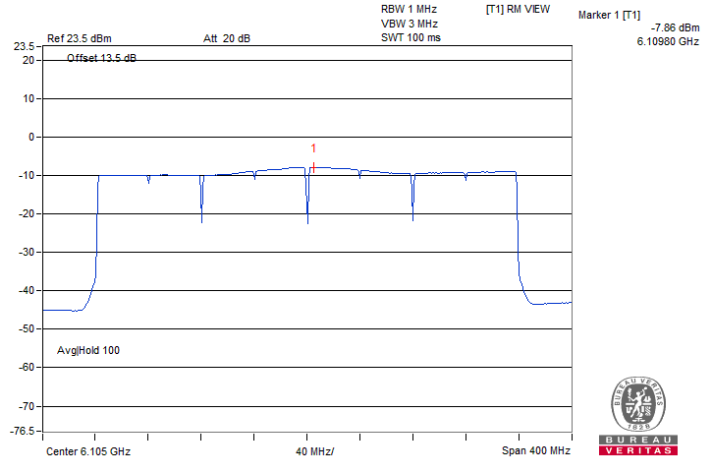
802.11be (EHT40) / Chain 0 : CH 3



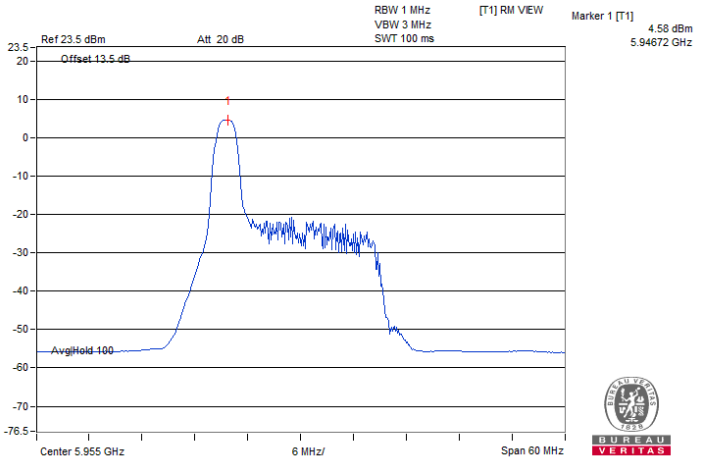
802.11be (EHT80) / Chain 0 : CH 135



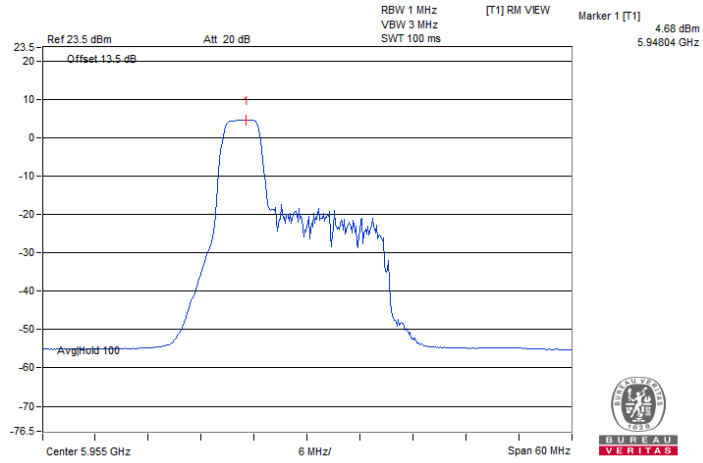
802.11be (EHT160) / Chain 0 : CH 143



802.11be (EHT320) / Chain 0 : CH 31

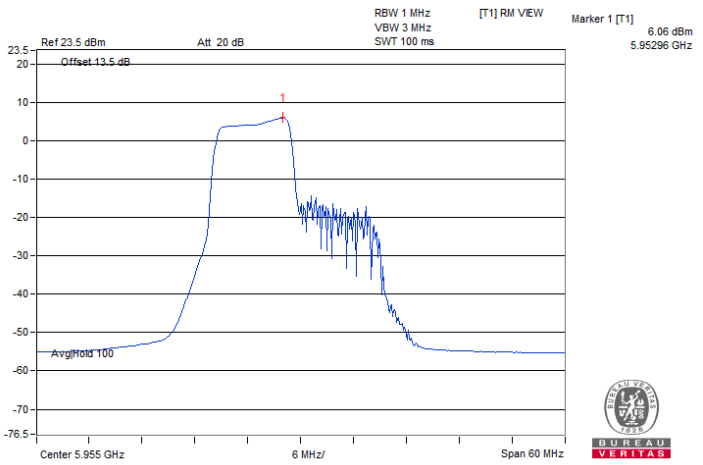


802.11be (EHT20) 26-tone RU / Chain 0 : CH 1@0

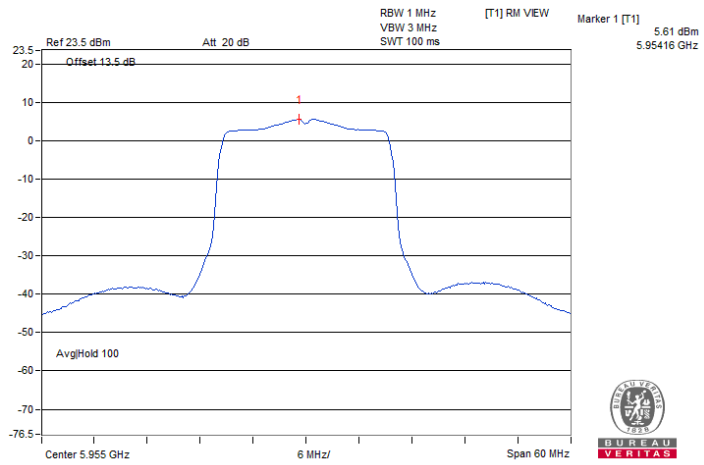


802.11be (EHT20) 52-tone RU / Chain 0 : CH 1@37

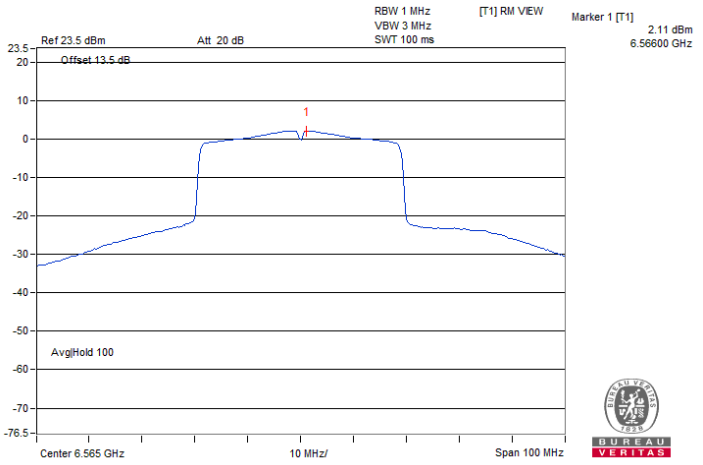
Spectrum Plot of Maximum Value



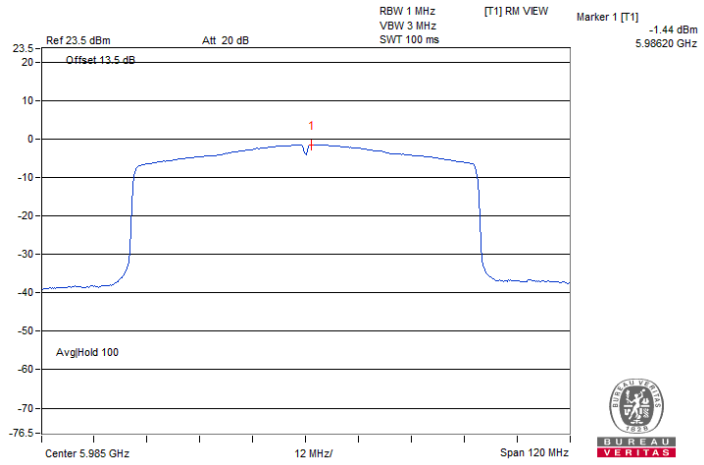
802.11be (EHT20) 106-tone RU / Chain 0 : CH 1@53



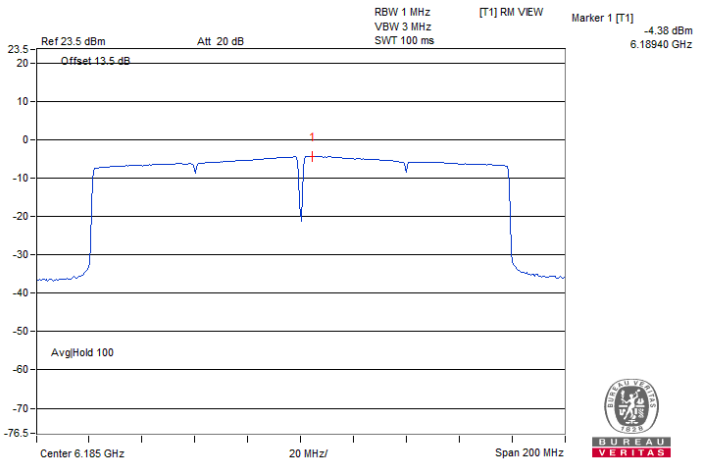
802.11be (EHT20) 242-tone RU / Chain 0 : CH 1@61



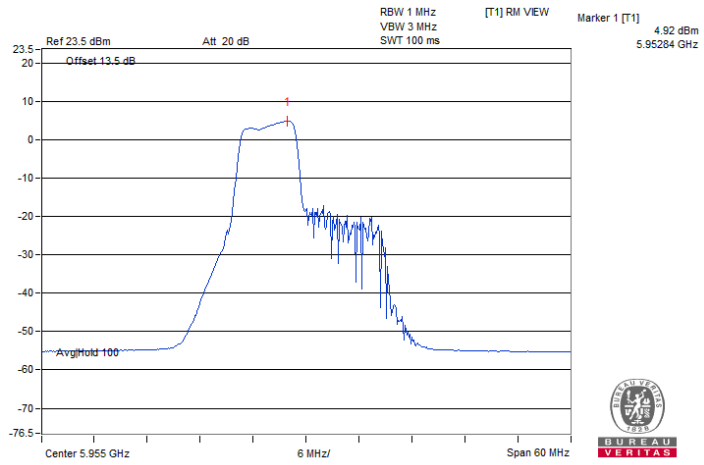
802.11be (EHT40) 484-tone RU / Chain 0 : CH 123@65



802.11be (EHT80) 996-tone RU / Chain 0 : CH 7@67

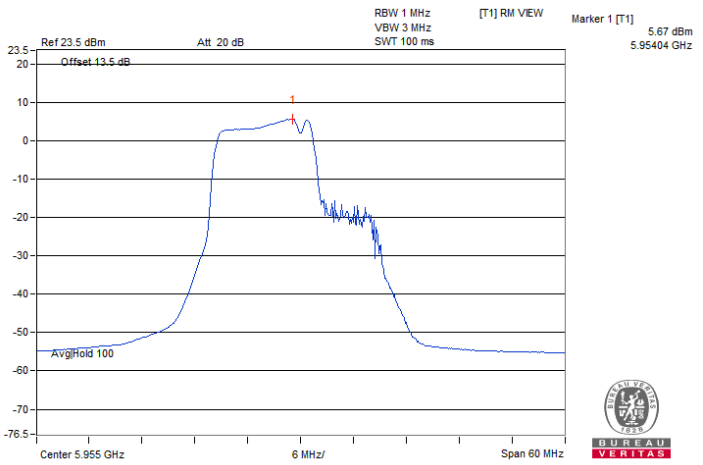


802.11be (EHT160) 2x996-tone RU SP / Chain 0 : CH 47@68

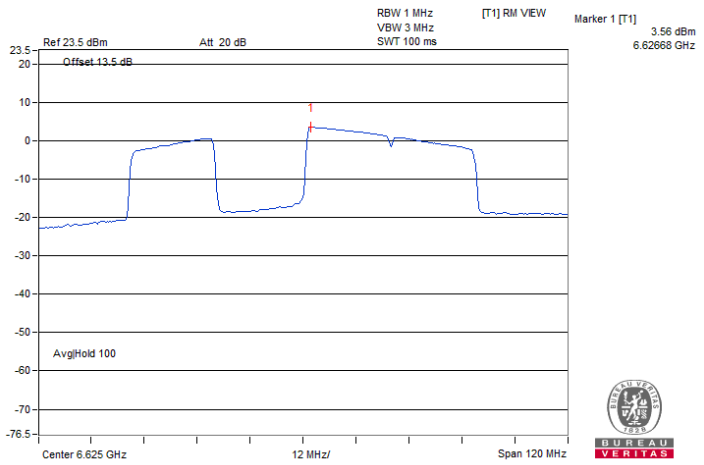


802.11be (EHT20) 52+26-tone MRU SP / Chain 0 : CH 1@1

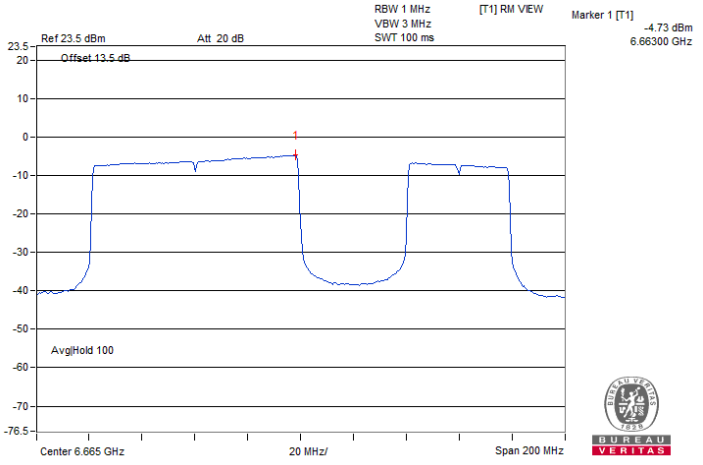
Spectrum Plot of Maximum Value



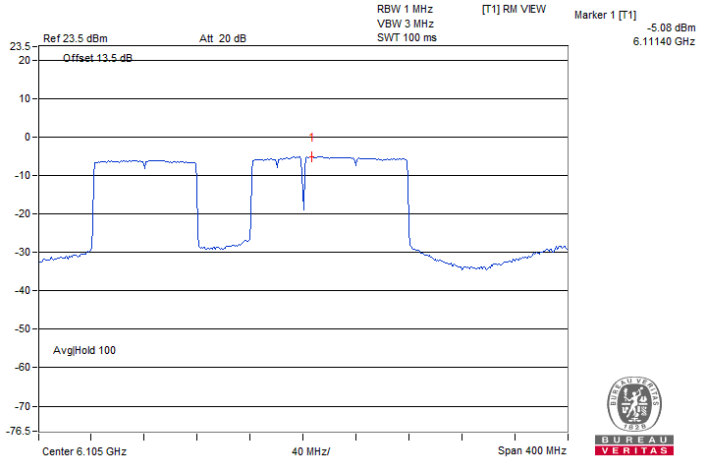
802.11be (EHT20) 106+26-tone MRU SP / Chain 0 : CH 1@1



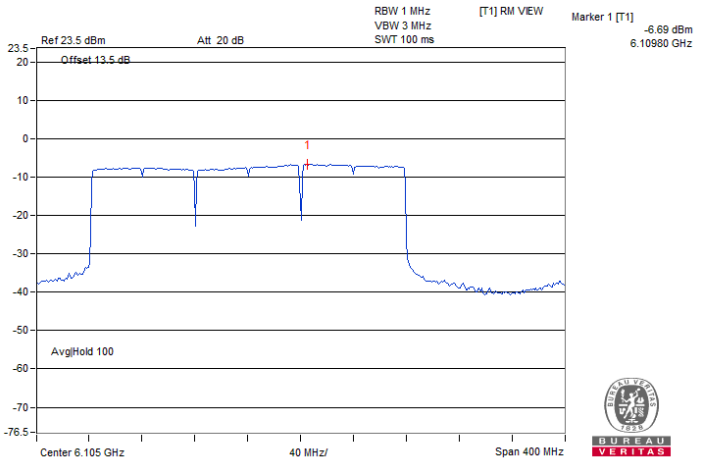
802.11be (EHT80) 484+242-tone MRU SP / Chain 0 : CH 135@3



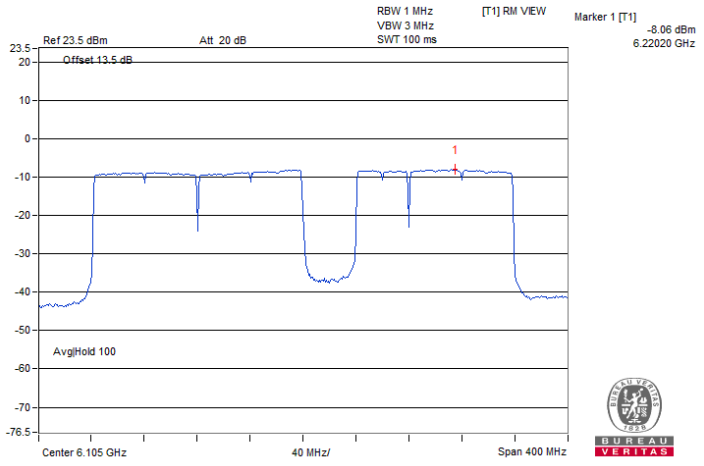
802.11be (EHT160) 996+484-tone MRU SP / Chain 0 : CH 143@3



802.11be (EHT320) 2x996+484-tone MRU SP / Chain 0 : CH 31@3

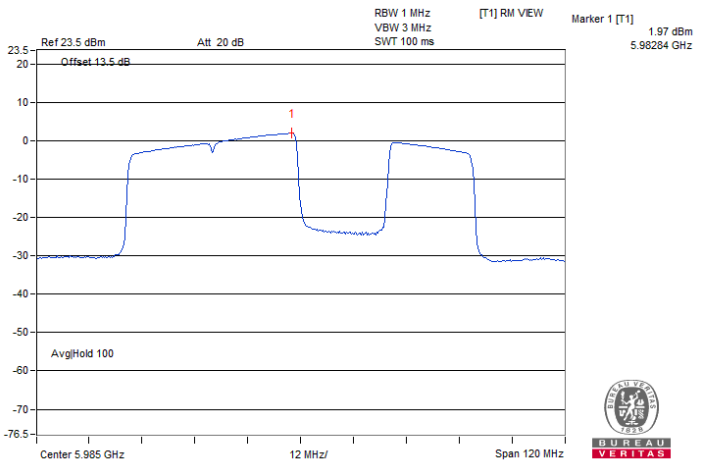


802.11be (EHT320) 3x996-tone MRU SP / Chain 0 : CH 31@3

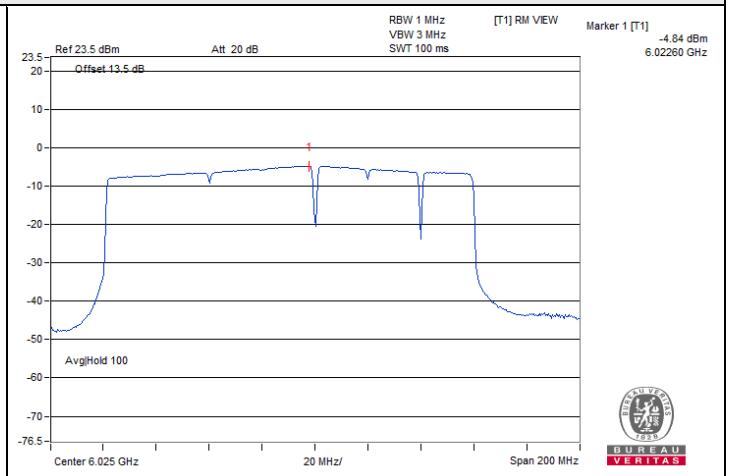


802.11be (EHT320) 3x996+484-tone MRU SP / Chain 0 : CH 31@5

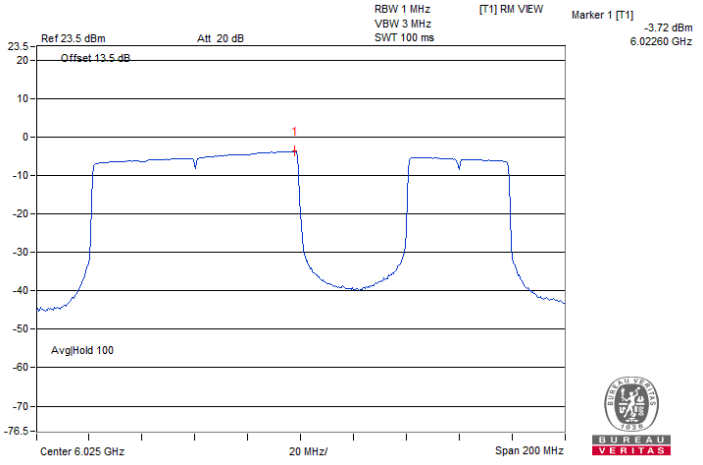
Spectrum Plot of Maximum Value



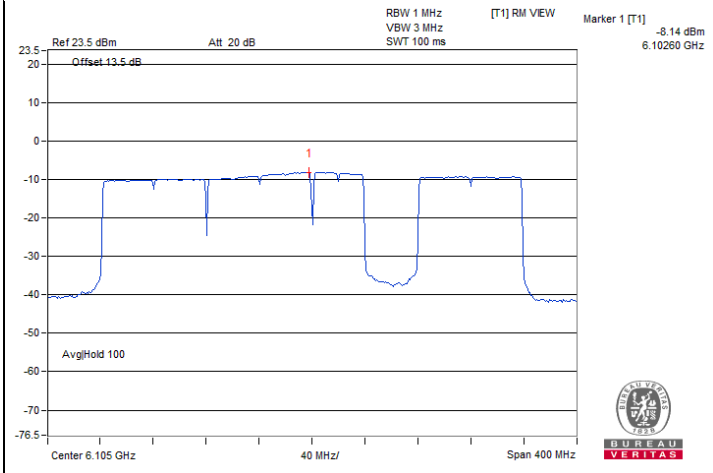
802.11be (EHT80) Punctured by 20 MHz SP / Chain 0 : CH 7@3



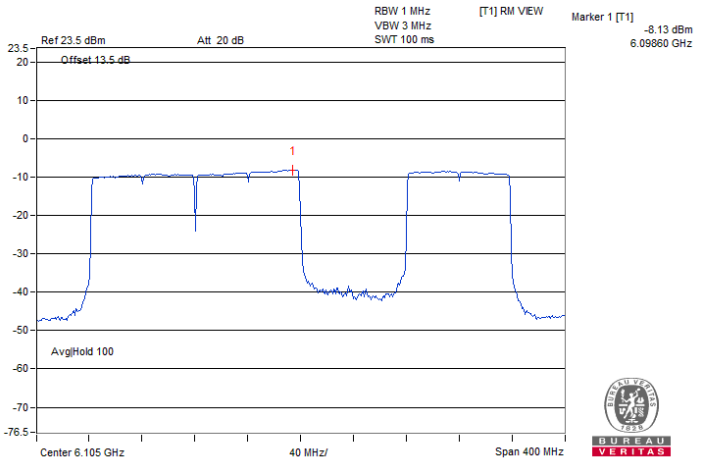
802.11be (EHT160) Punctured by 20 MHz SP / Chain 0 : CH 15@5



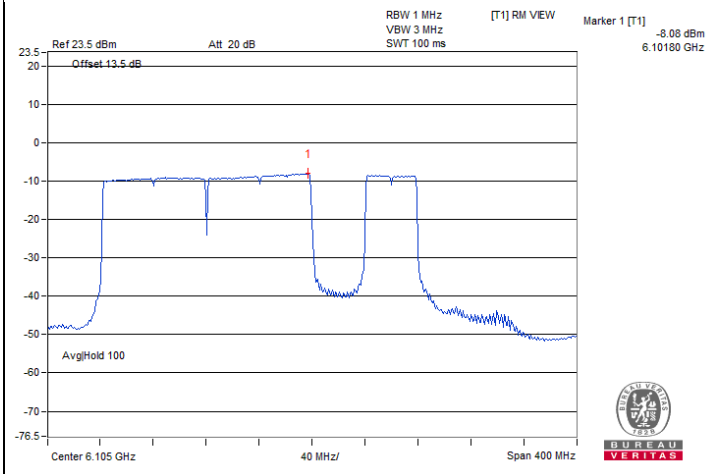
802.11be (EHT160) Punctured by 40 MHz SP / Chain 0 : CH 15@11



802.11be (EHT320) Punctured by 40 MHz SP / Chain 0 : CH 31@5



802.11be (EHT320) Punctured by 80 MHz SP / Chain 0 : CH 31@11



802.11be (EHT320) Punctured by 80+40 MHz SP / Chain 0 : CH 31@23

7.3 Emission Bandwidth

Mode A

Input Power:	3.3 Vdc	Environmental Conditions:	24°C, 61% RH	Tested By:	Eric Peng

802.11a

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
2	5935	22.17	22.34	320	Pass
1	5955	22.29	22.26	320	Pass
45	6175	22.14	22.18	320	Pass
93	6415	22.43	22.07	320	Pass
97	6435	22.45	22.09	320	Pass
105	6475	22.30	22.16	320	Pass
113	6515	22.32	22.15	320	Pass
117	6535	22.30	22.34	320	Pass
149	6695	22.28	22.43	320	Pass
181	6855	22.48	22.15	320	Pass
185	6875	22.26	22.02	320	Pass
209	6995	22.57	22.03	320	Pass
233	7115	22.71	22.20	320	Pass

802.11be (EHT20)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
2	5935	23.44	24.63	320	Pass
1	5955	23.22	22.64	320	Pass
45	6175	22.66	22.34	320	Pass
93	6415	22.85	22.33	320	Pass
97	6435	22.61	21.98	320	Pass
105	6475	22.75	22.61	320	Pass
113	6515	22.18	22.03	320	Pass
117	6535	22.23	22.55	320	Pass
149	6695	22.50	22.54	320	Pass
181	6855	22.15	22.59	320	Pass
185	6875	22.66	22.77	320	Pass
209	6995	22.50	22.67	320	Pass
233	7115	22.71	23.08	320	Pass

802.11be (EHT40)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
3	5965	43.15	43.31	320	Pass
43	6165	43.38	43.00	320	Pass
91	6405	42.70	45.25	320	Pass
99	6445	41.96	42.64	320	Pass
107	6485	43.11	42.40	320	Pass
115	6525	42.79	42.98	320	Pass
123	6565	41.66	43.09	320	Pass
155	6725	42.01	42.60	320	Pass
179	6845	42.04	43.35	320	Pass
187	6885	42.64	42.26	320	Pass
211	7005	43.40	41.95	320	Pass
227	7085	42.51	42.08	320	Pass

802.11be (EHT80)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
7	5985	83.00	84.32	320	Pass
39	6145	84.75	83.59	320	Pass
87	6385	84.50	83.08	320	Pass
103	6465	83.30	83.80	320	Pass
119	6545	84.56	84.16	320	Pass
151	6705	84.39	84.09	320	Pass
183	6865	84.74	83.97	320	Pass
199	6945	83.66	84.03	320	Pass
215	7025	84.21	83.13	320	Pass

802.11be (EHT160)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	171.55	172.17	320	Pass
47	6185	174.09	170.60	320	Pass
79	6345	173.25	170.19	320	Pass
111	6505	173.13	169.74	320	Pass
143	6665	172.45	172.39	320	Pass
175	6825	172.69	170.30	320	Pass
207	6985	170.06	169.82	320	Pass

802.11be (EHT320)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
31	6105	328.88	327.75	320	Note
63	6265	328.38	329.18	320	Note
95	6425	327.71	328.08	320	Note
127	6585	330.37	328.75	320	Note
159	6745	327.81	327.92	320	Note
191	6905	328.65	329.99	320	Note

Note: Please refer to 99% OBW measurement test results for Wi-Fi 320 MHz BW mode.

802.11be (EHT20) 26-tone RU

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
2	5935	20.39	20.41	320	Pass
1	5955	20.32	20.15	320	Pass
45	6175	20.22	20.38	320	Pass
93	6415	20.34	20.24	320	Pass
97	6435	20.39	20.31	320	Pass
105	6475	20.31	20.39	320	Pass
113	6515	20.36	20.45	320	Pass
117	6535	20.44	20.34	320	Pass
149	6695	20.25	20.32	320	Pass
181	6855	20.29	20.19	320	Pass
185	6875	20.31	20.19	320	Pass
209	6995	20.20	20.38	320	Pass
233	7115	20.35	20.29	320	Pass

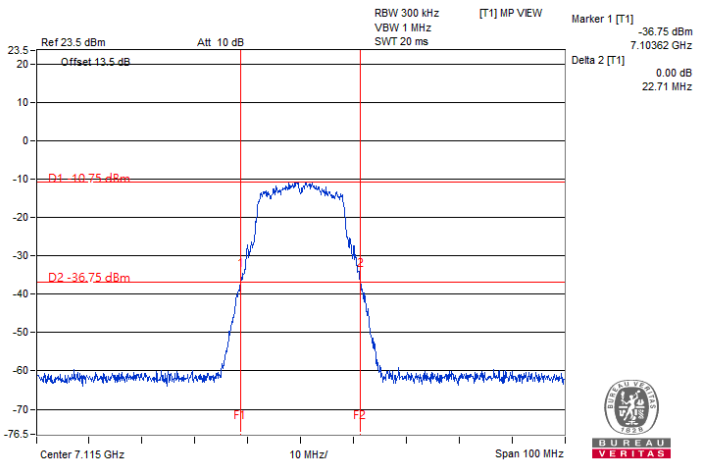
802.11be (EHT20) 52-tone RU

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
2	5935	20.53	21.04	320	Pass
1	5955	20.37	20.38	320	Pass
45	6175	20.40	20.89	320	Pass
93	6415	20.92	20.40	320	Pass
97	6435	20.43	20.74	320	Pass
105	6475	20.27	20.34	320	Pass
113	6515	20.91	20.36	320	Pass
117	6535	20.42	20.71	320	Pass
149	6695	20.39	20.81	320	Pass
181	6855	20.74	20.32	320	Pass
185	6875	20.34	20.38	320	Pass
209	6995	20.30	20.76	320	Pass
233	7115	20.84	20.40	320	Pass

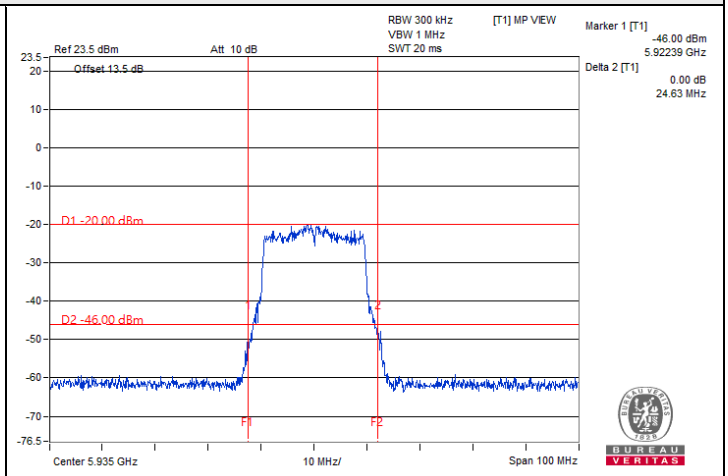
802.11be (EHT20) 106-tone RU

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
2	5935	20.50	21.02	320	Pass
1	5955	20.06	20.53	320	Pass
45	6175	20.17	20.64	320	Pass
93	6415	20.85	20.16	320	Pass
97	6435	20.19	20.65	320	Pass
105	6475	20.21	20.64	320	Pass
113	6515	20.69	20.28	320	Pass
117	6535	20.09	20.63	320	Pass
149	6695	20.11	20.39	320	Pass
181	6855	21.02	20.26	320	Pass
185	6875	20.11	20.64	320	Pass
209	6995	20.08	20.56	320	Pass
233	7115	21.18	20.47	320	Pass

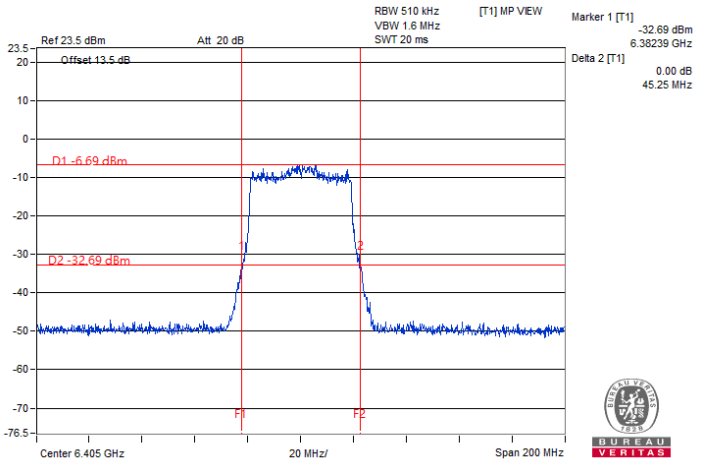
Spectrum Plot of Maximum Value



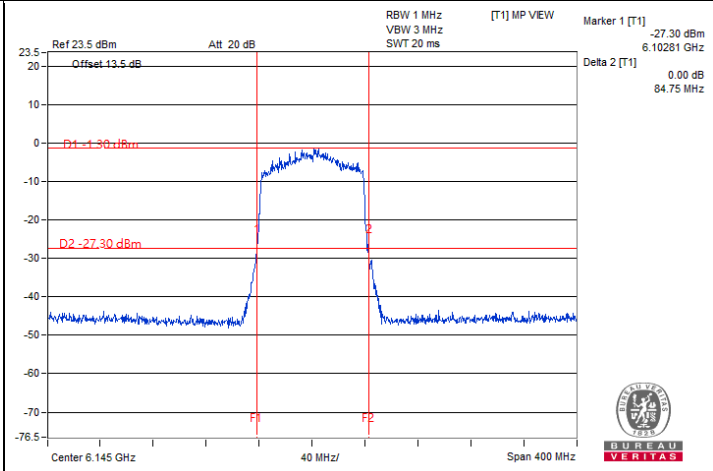
802.11a / Chain 0 : CH 233



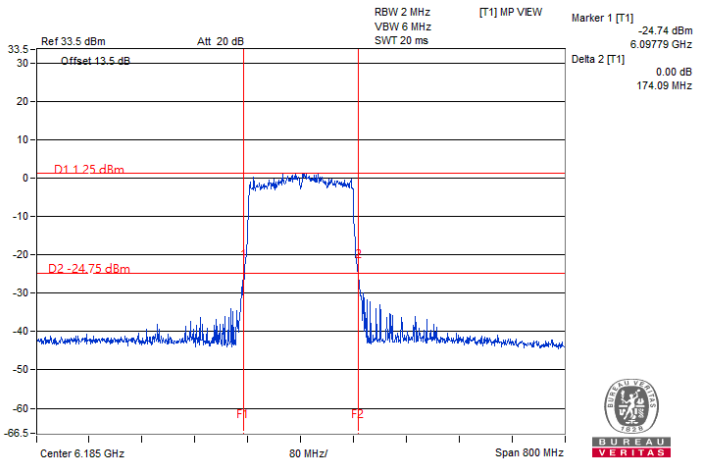
802.11be (EHT20) / Chain 1 : CH 2



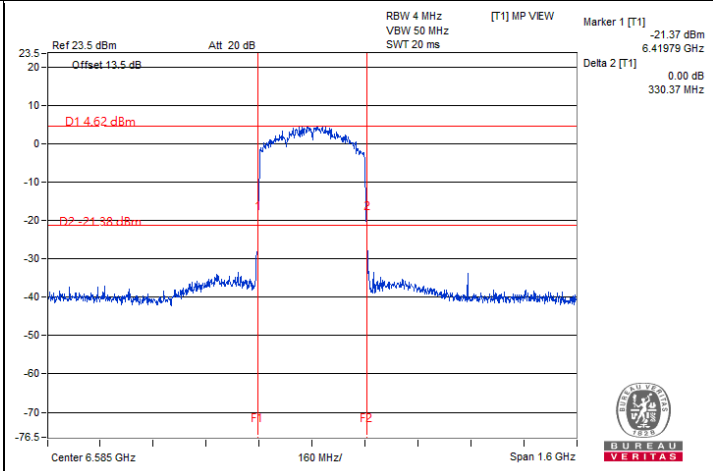
802.11be (EHT40) / Chain 1 : CH 91



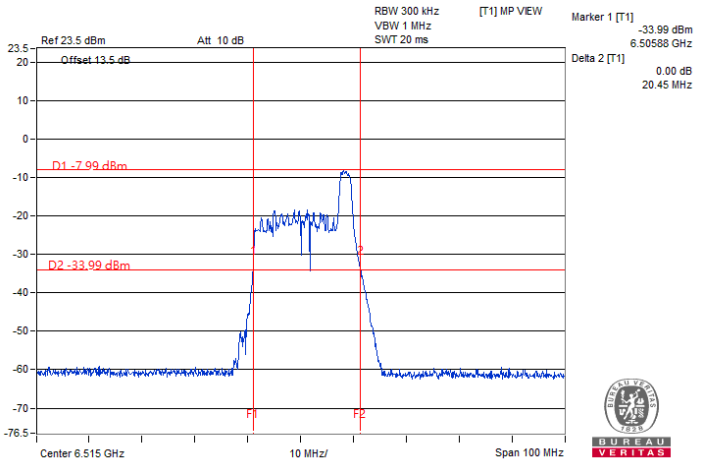
802.11be (EHT80) / Chain 0 : CH 39



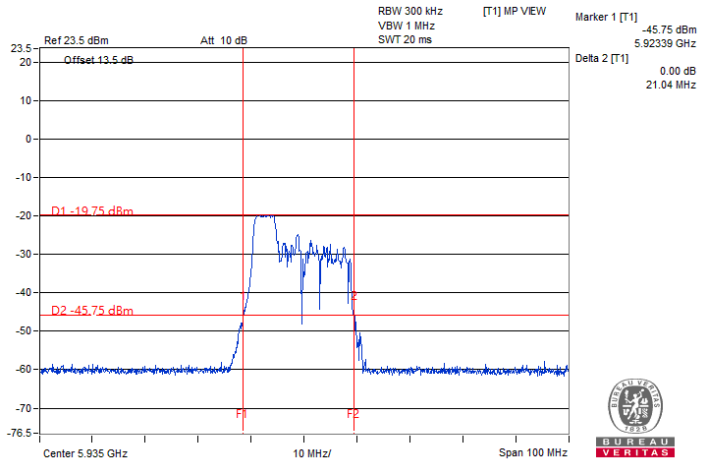
802.11be (EHT160) / Chain 0 : CH 47



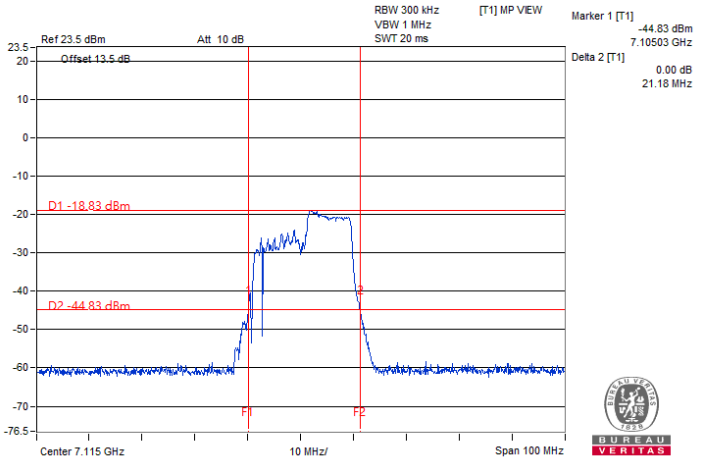
802.11be (EHT320) / Chain 0 : CH 127



802.11be (EHT20) 26-tone RU / Chain 1 : CH 113@8



802.11be (EHT20) 52-tone RU / Chain 1 : CH 2@37



802.11be (EHT20) 106-tone RU / Chain 0 : CH 233@54

Mode C

Input Power:	3.3 Vdc	Environmental Conditions:	24°C, 62% RH	Tested By:	Eric Peng

802.11a

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
2	5935	22.17	22.34	320	Pass
1	5955	22.37	21.84	320	Pass
45	6175	22.35	22.19	320	Pass
93	6415	22.31	22.24	320	Pass
117	6535	22.04	21.89	320	Pass
149	6695	22.37	22.01	320	Pass
181	6855	22.29	22.09	320	Pass

802.11be (EHT20)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
2	5935	23.44	24.63	320	Pass
1	5955	22.62	22.52	320	Pass
45	6175	22.45	23.46	320	Pass
93	6415	22.59	22.51	320	Pass
117	6535	22.01	22.82	320	Pass
149	6695	22.32	22.69	320	Pass
181	6855	22.26	21.91	320	Pass

802.11be (EHT40)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
3	5965	42.98	42.95	320	Pass
43	6165	42.85	43.44	320	Pass
91	6405	43.09	42.88	320	Pass
123	6565	42.24	41.97	320	Pass
155	6725	43.32	42.23	320	Pass
179	6845	42.52	42.00	320	Pass

802.11be (EHT80)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
7	5985	83.08	83.45	320	Pass
39	6145	84.29	84.11	320	Pass
87	6385	84.04	83.77	320	Pass
135	6625	85.03	83.62	320	Pass
151	6705	85.74	84.68	320	Pass
167	6785	83.75	84.66	320	Pass

802.11be (EHT160)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	171.86	169.76	320	Pass
47	6185	171.52	171.88	320	Pass
79	6345	173.04	171.33	320	Pass
143	6665	173.86	170.96	320	Pass

802.11be (EHT320)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
31	6105	330.24	328.58	320	Note
63	6265	327.01	330.73	320	Note

Note: Please refer to 99% OBW measurement test results for Wi-Fi 320 MHz BW mode.

802.11be (EHT20) 26-tone RU SP

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
2	5935	20.39	20.41	320	Pass
1	5955	20.52	20.35	320	Pass
45	6175	20.33	20.12	320	Pass
93	6415	20.06	20.24	320	Pass
117	6535	20.27	20.24	320	Pass
149	6695	20.31	19.98	320	Pass
181	6855	20.44	20.18	320	Pass

802.11be (EHT20) 52-tone RU SP

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
2	5935	20.53	21.04	320	Pass
1	5955	20.27	20.36	320	Pass
45	6175	20.25	20.55	320	Pass
93	6415	20.76	20.23	320	Pass
117	6535	19.94	20.50	320	Pass
149	6695	20.24	20.71	320	Pass
181	6855	20.82	20.53	320	Pass

802.11be (EHT20) 106-tone RU SP

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
2	5935	20.50	21.02	320	Pass
1	5955	20.21	20.56	320	Pass
45	6175	20.47	20.68	320	Pass
93	6415	20.88	20.34	320	Pass
117	6535	20.13	20.44	320	Pass
149	6695	20.12	20.60	320	Pass
181	6855	20.93	20.23	320	Pass

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

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
7	5985	82.96	83.05	320	Pass
135	6625	199.46	176.57	320	Pass

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

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	170.05	169.85	320	Pass
143	6665	224.93	168.76	320	Pass

802.11be (EHT320) 2x996+484-tone MRU SP

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
31	6105	390.81	398.52	320	Note

Note: Please refer to 99% OBW measurement test results for Wi-Fi 320 MHz BW mode.

802.11be (EHT320) 3x996-tone MRU SP

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
31	6105	408.94	415.94	320	Note

Note: Please refer to 99% OBW measurement test results for Wi-Fi 320 MHz BW mode.

802.11be (EHT320) 3x996+484-tone MRU SP

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
31	6105	482.07	457.15	320	Note

Note: Please refer to 99% OBW measurement test results for Wi-Fi 320 MHz BW mode.

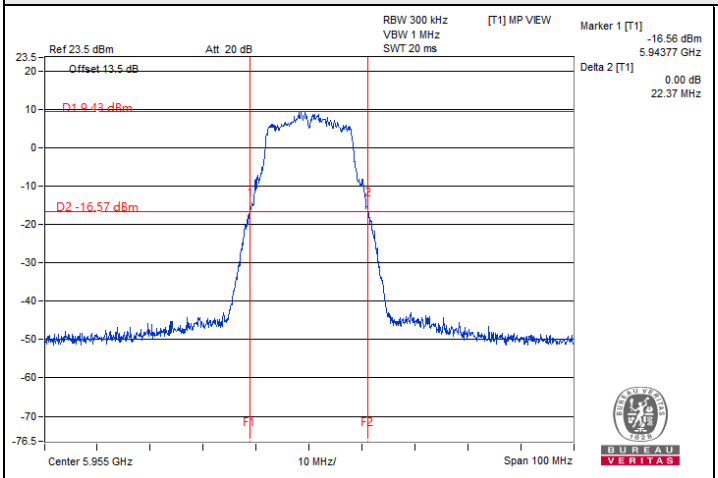
802.11be (EHT80) Punctured by 20 MHz SP

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
7	5985	83.22	84.21	320	Pass
135	6625	190.36	160.56	320	Pass

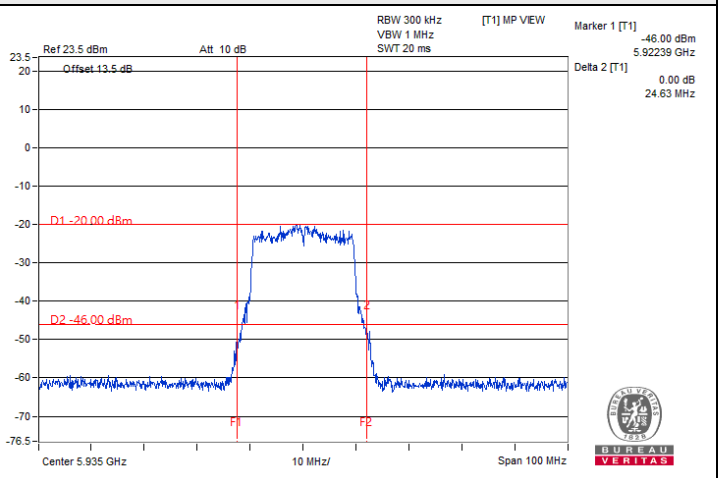
802.11be (EHT160) Punctured by 40 MHz SP

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	297.82	299.28	320	Pass

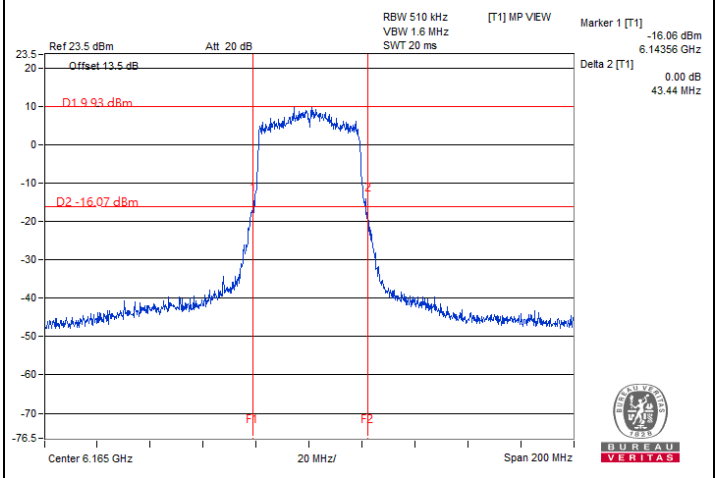
Spectrum Plot of Maximum Value



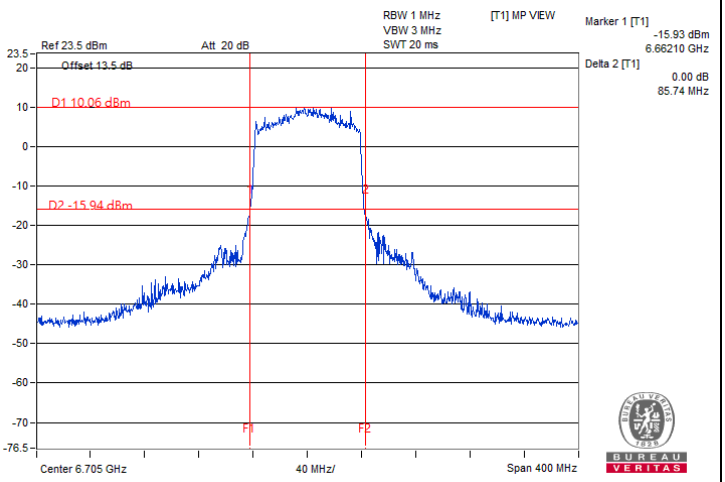
802.11a / Chain 0 : CH 1



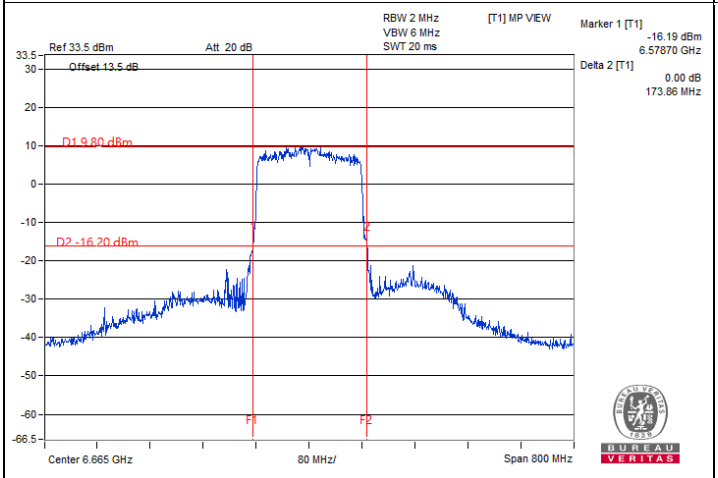
802.11be (EHT20) / Chain 1 : CH 2



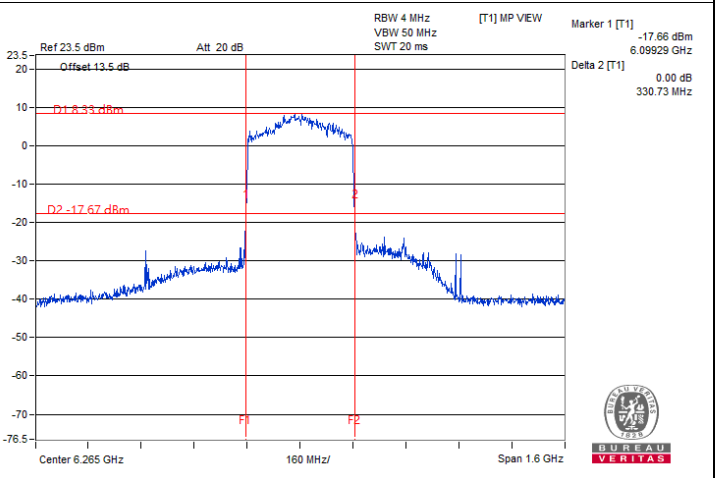
802.11be (EHT40) / Chain 1 : CH 43



802.11be (EHT80) / Chain 0 : CH 151

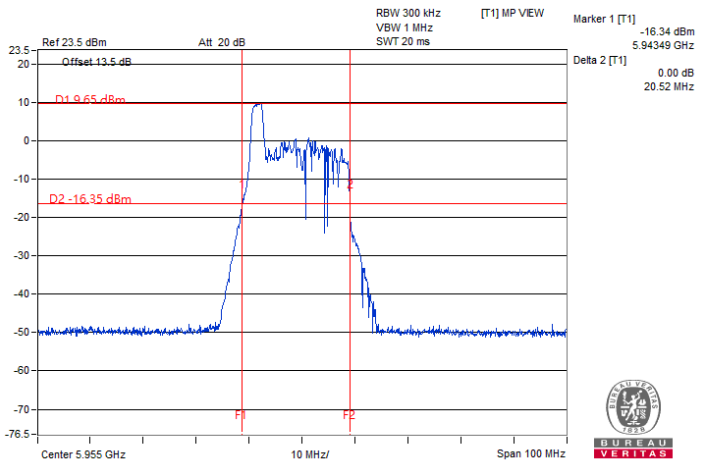


802.11be (EHT160) / Chain 0 : CH 143

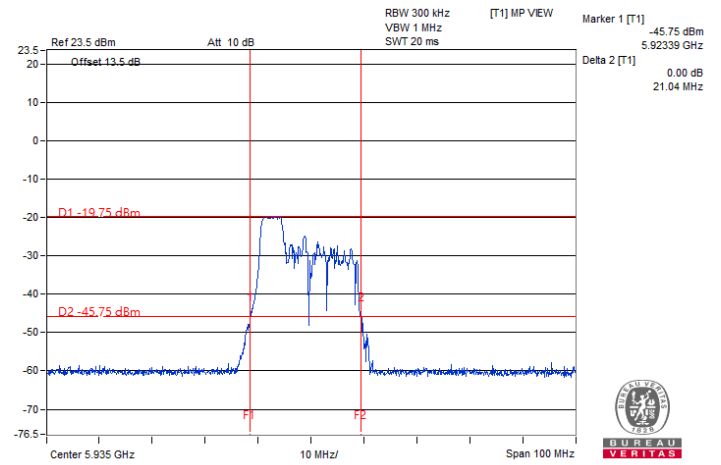


802.11be (EHT320) / Chain 1 : CH 63

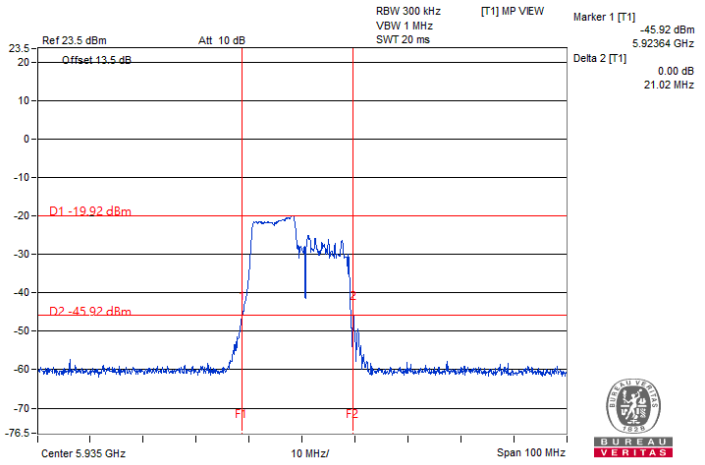
Spectrum Plot of Maximum Value



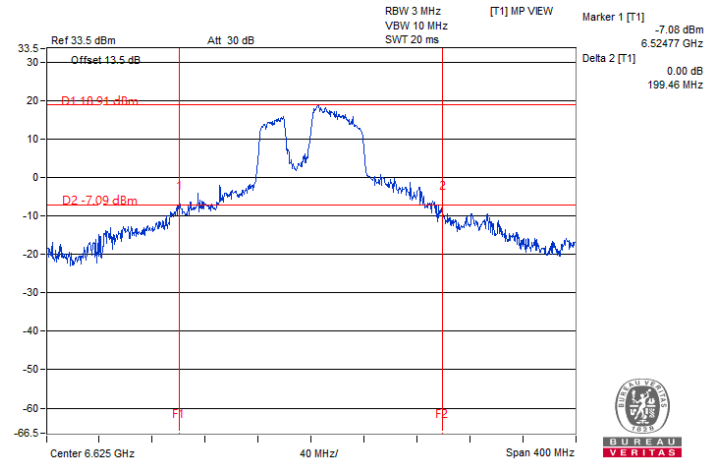
802.11be (EHT20) 26-tone RU SP / Chain 0 : CH 1@0



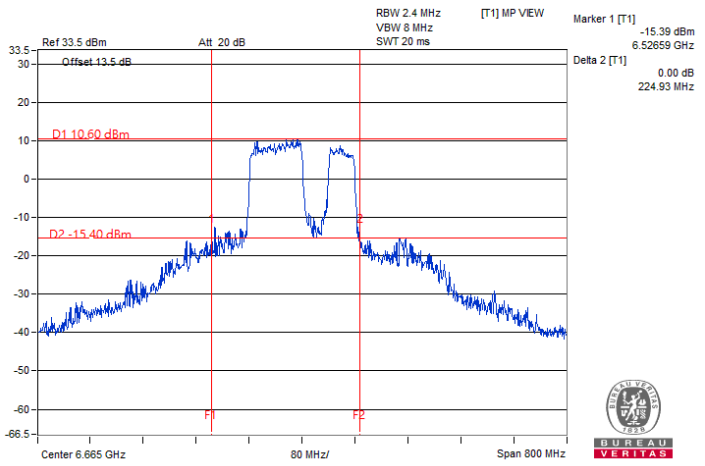
802.11be (EHT20) 52-tone RU SP / Chain 1 : CH 2@37



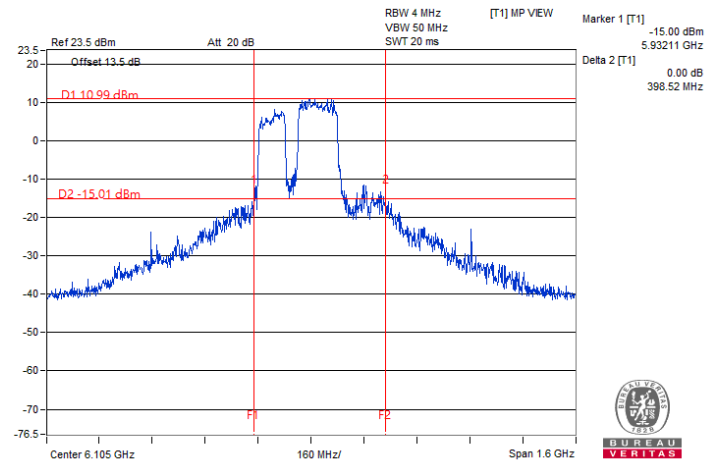
802.11be (EHT20) 106-tone RU SP / Chain 1 : CH 2@53



802.11be (EHT80) 484+242-tone MRU SP / Chain 0 : CH 135@3

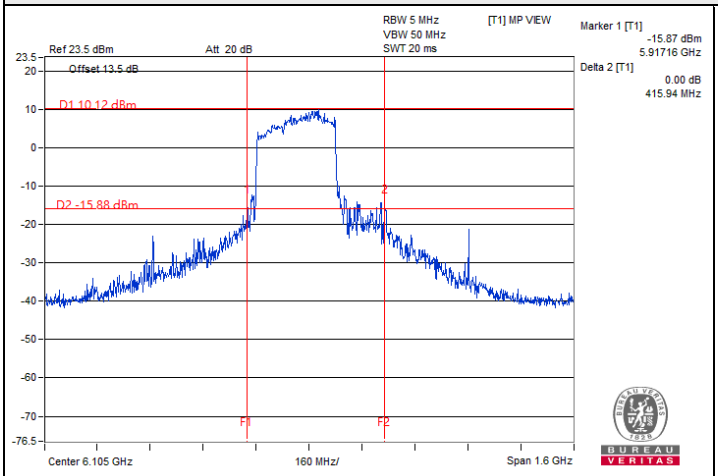


802.11be (EHT160) 996+484-tone MRU SP / Chain 0 : CH 143@3

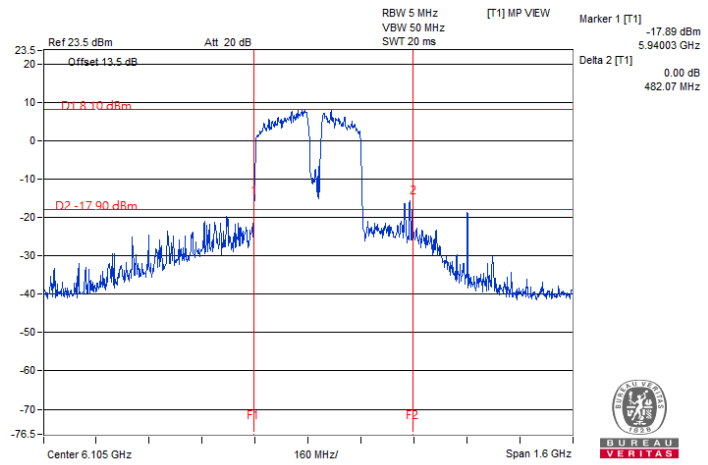


802.11be (EHT320) 2x996+484-tone MRU SP / Chain 1 : CH 31@3

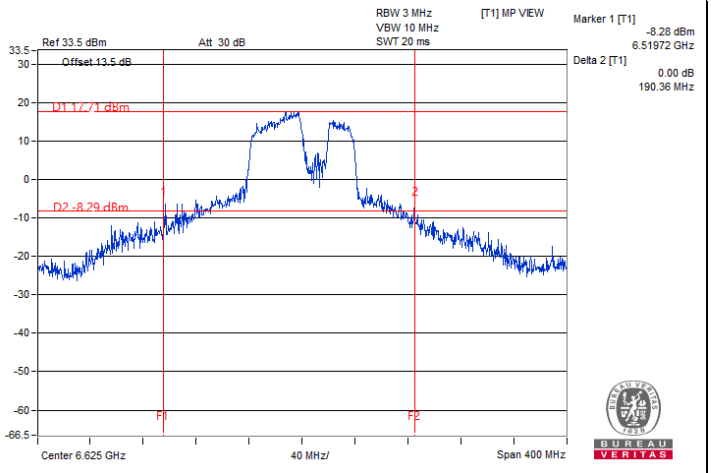
Spectrum Plot of Maximum Value



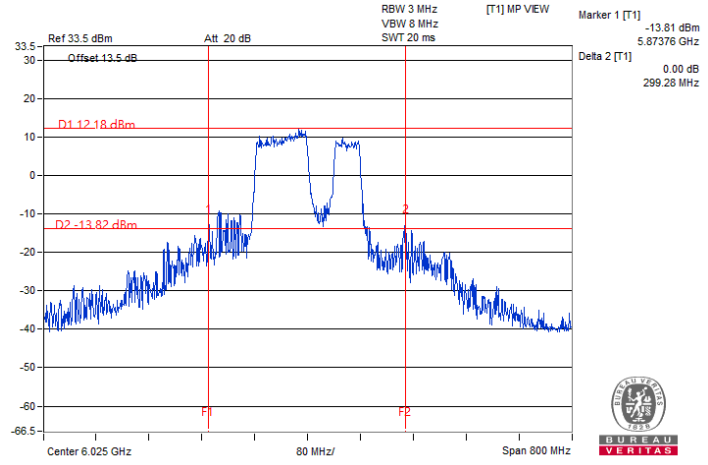
802.11be (EHT320) 3x996-tone MRU SP / Chain 1 : CH 31@3



802.11be (EHT320) 3x996+484-tone MRU SP / Chain 0 : CH 31@5



802.11be (EHT80) Punctured by 20 MHz SP / Chain 0 : CH 135@3



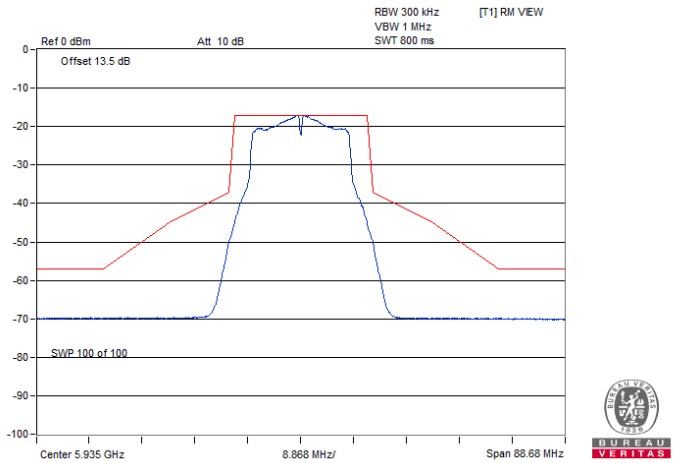
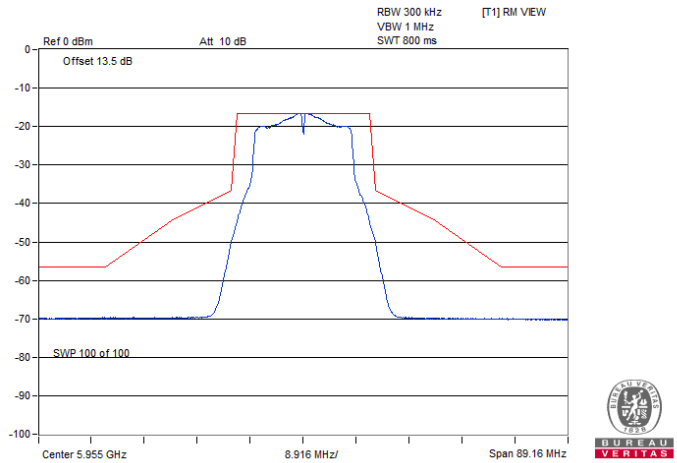
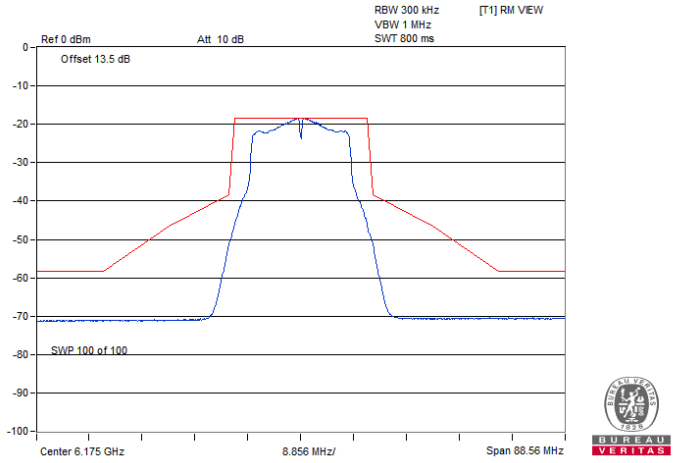
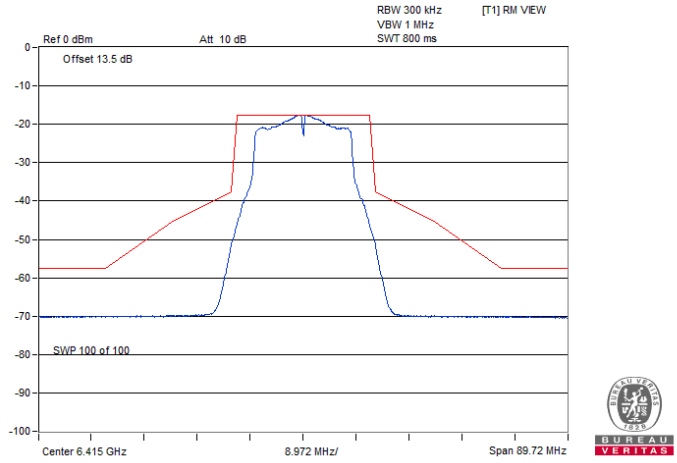
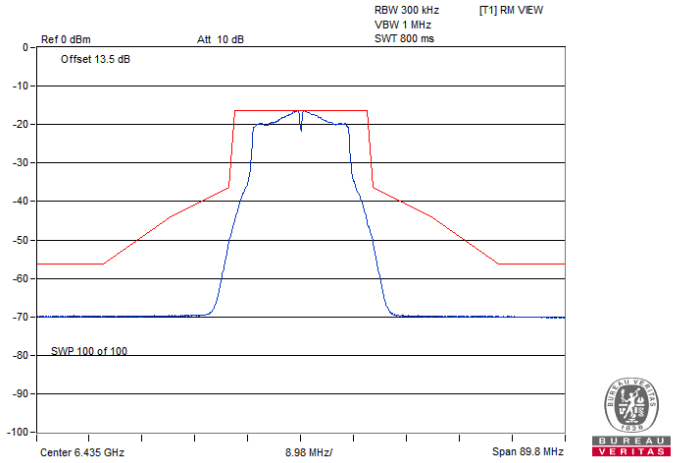
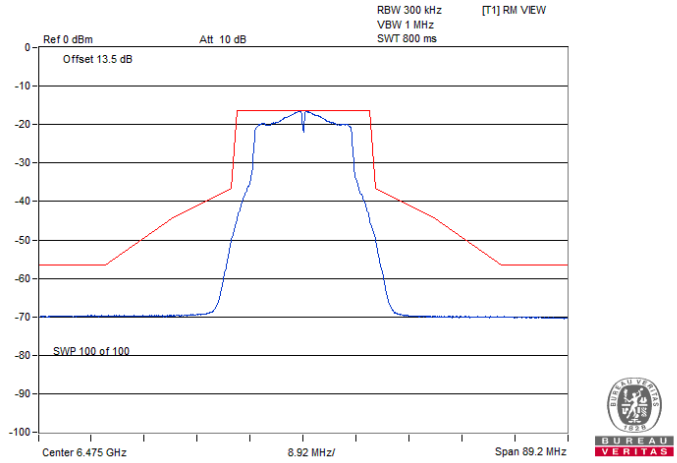
802.11be (EHT160) Punctured by 40 MHz SP / Chain 1 : CH 15@11

7.4 In-Band Emission Mask

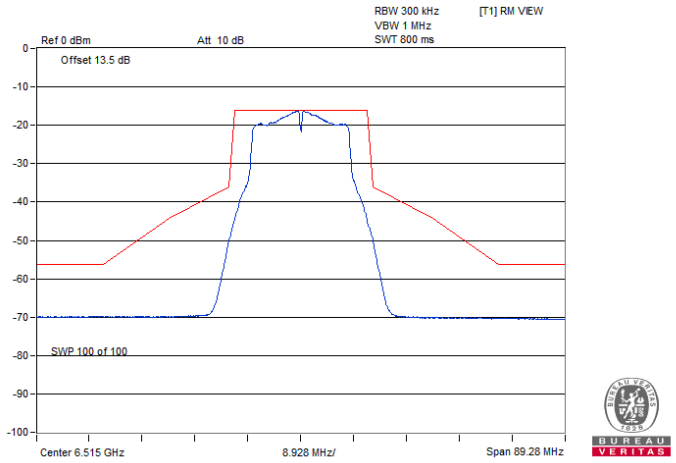
Mode A

Input Power:	3.3 Vdc	Environmental Conditions:	24°C, 61% RH	Tested By:	Eric Peng

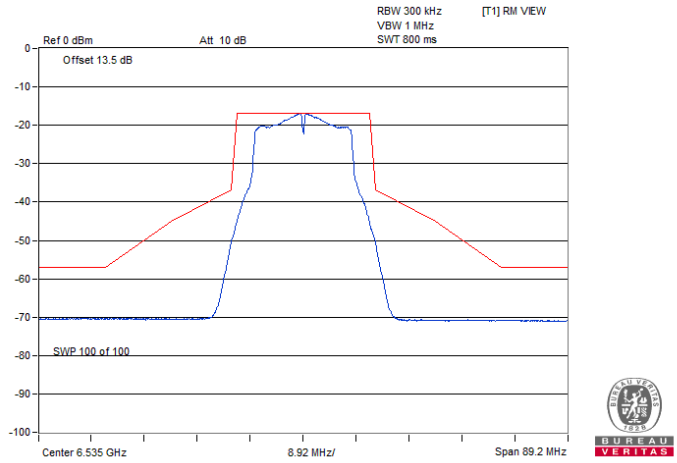
802.11a

Spectrum Plot	
	
802.11a / Chain 0 : CH 2	802.11a / Chain 0 : CH 1
	
802.11a / Chain 0 : CH 45	802.11a / Chain 0 : CH 93
	
802.11a / Chain 0 : CH 97	802.11a / Chain 0 : CH 105

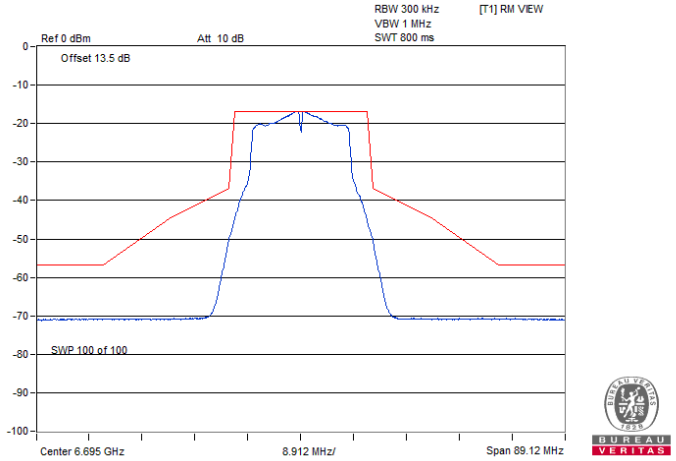
Spectrum Plot



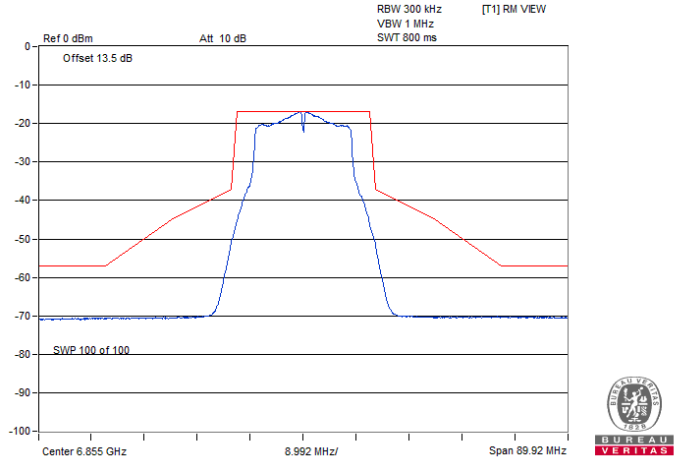
802.11a / Chain 0 : CH 113



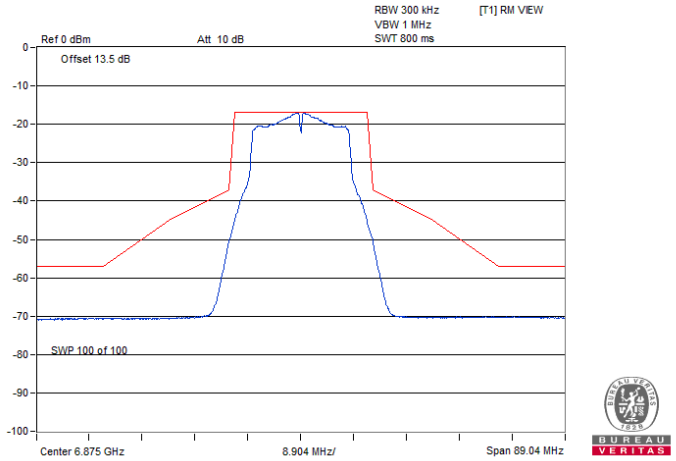
802.11a / Chain 0 : CH 117



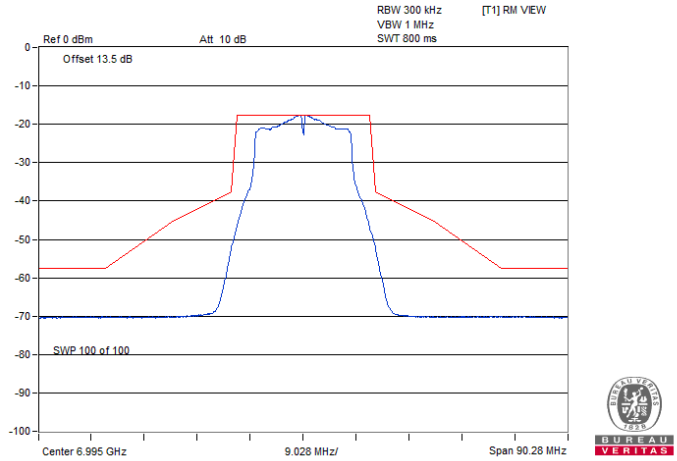
802.11a / Chain 0 : CH 149



802.11a / Chain 0 : CH 181

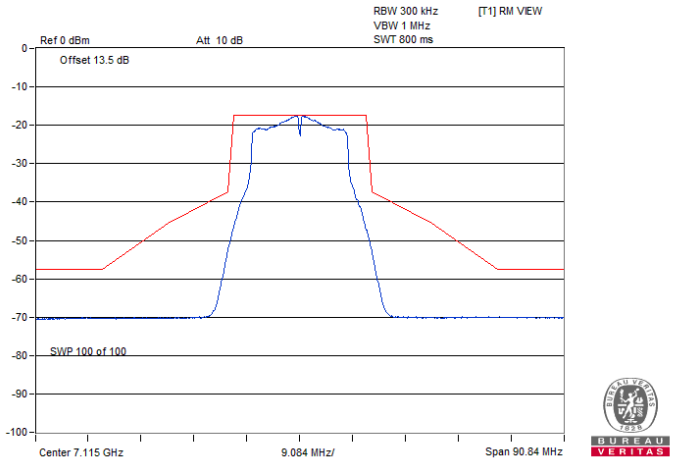


802.11a / Chain 0 : CH 185

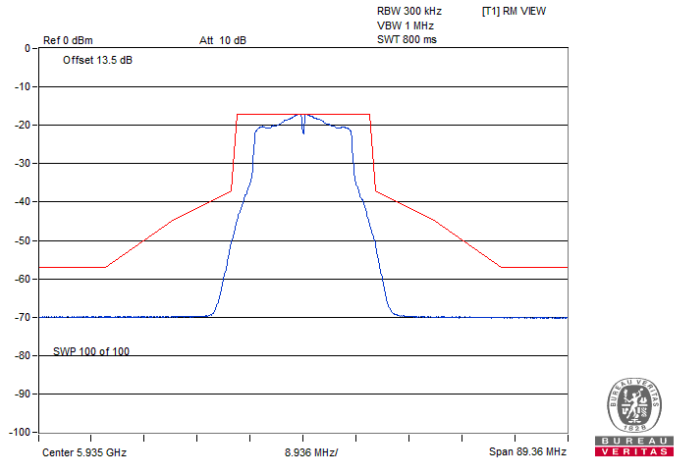


802.11a / Chain 0 : CH 209

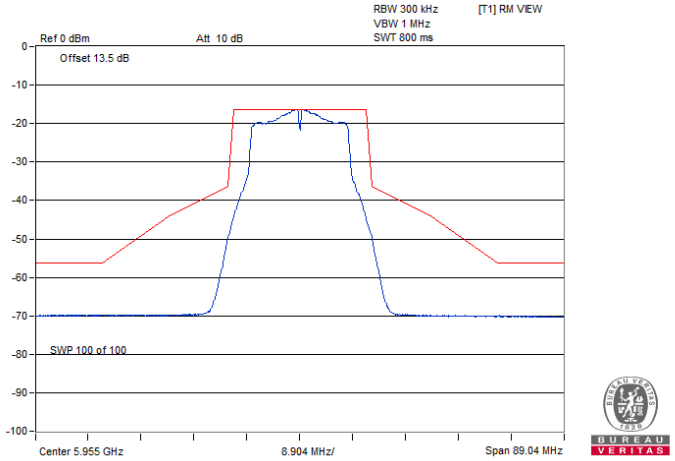
Spectrum Plot



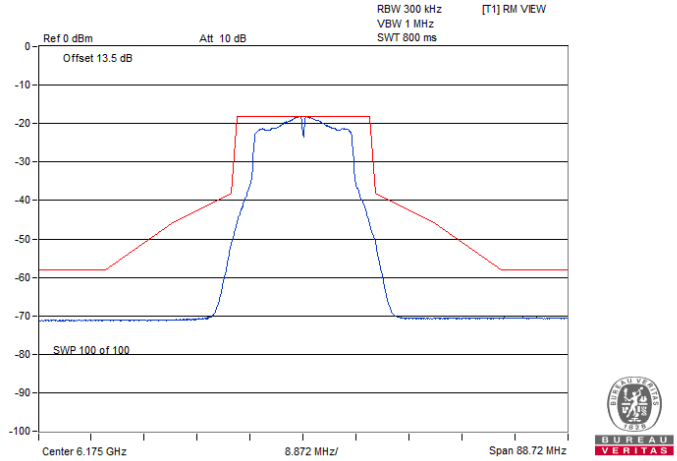
802.11a / Chain 0 : CH 233



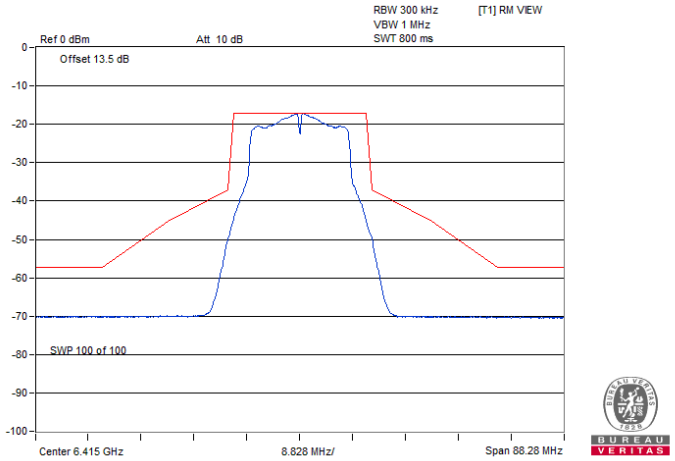
802.11a / Chain 1 : CH 2



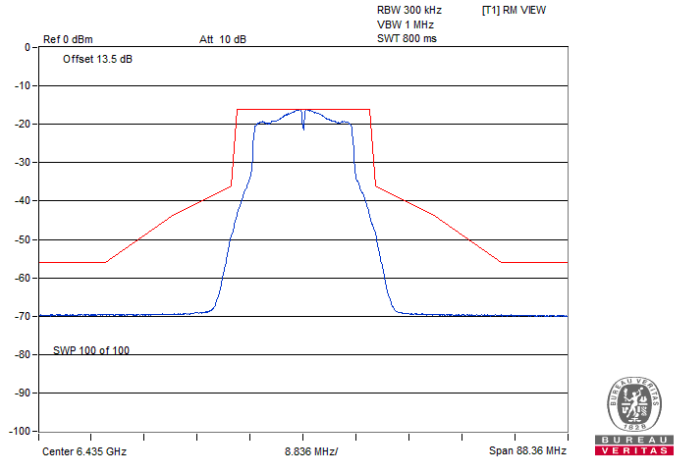
802.11a / Chain 1 : CH 1



802.11a / Chain 1 : CH 45

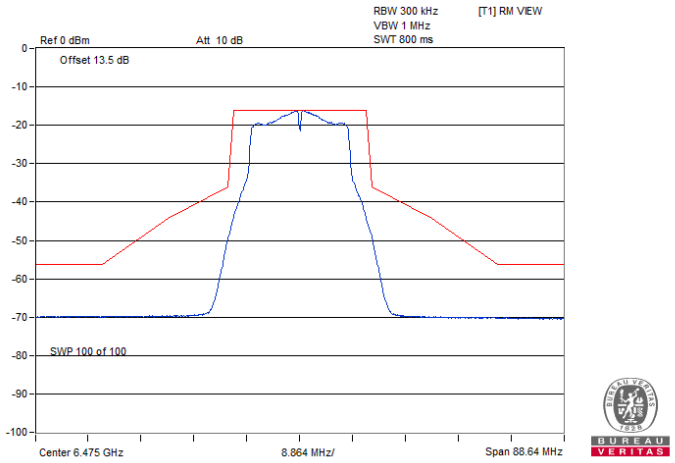


802.11a / Chain 1 : CH 93

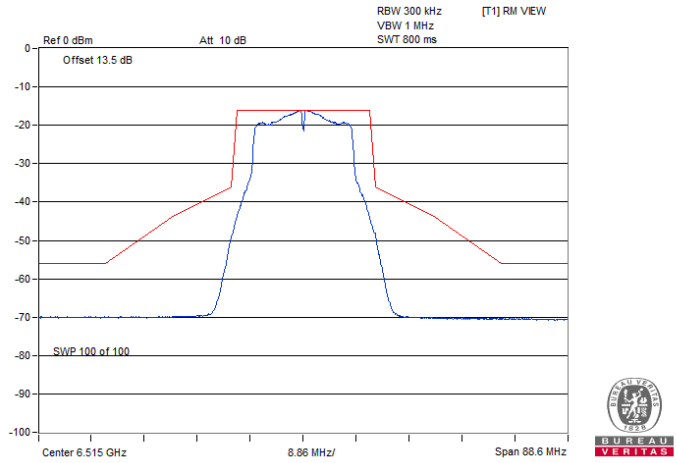


802.11a / Chain 1 : CH 97

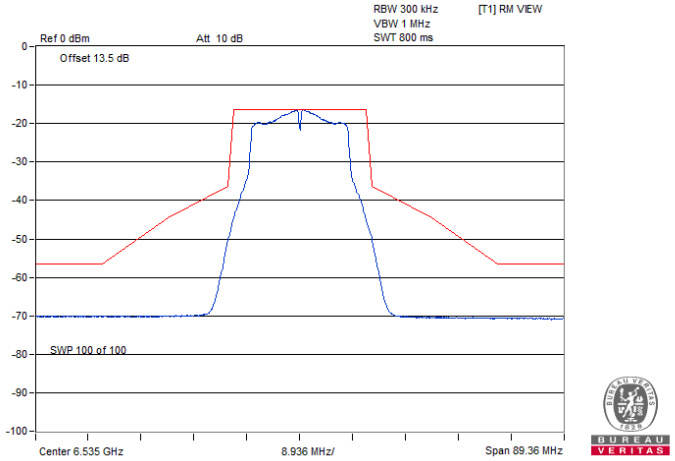
Spectrum Plot



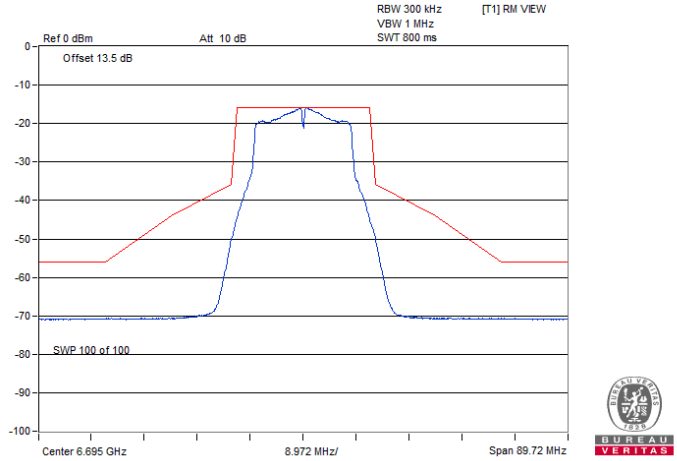
802.11a / Chain 1 : CH 105



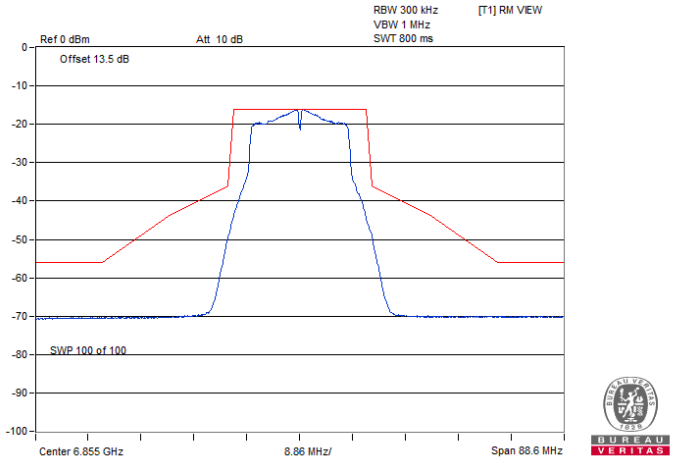
802.11a / Chain 1 : CH 113



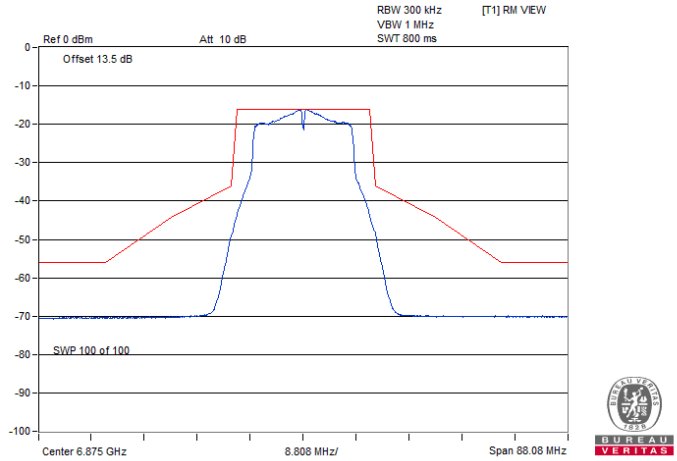
802.11a / Chain 1 : CH 117



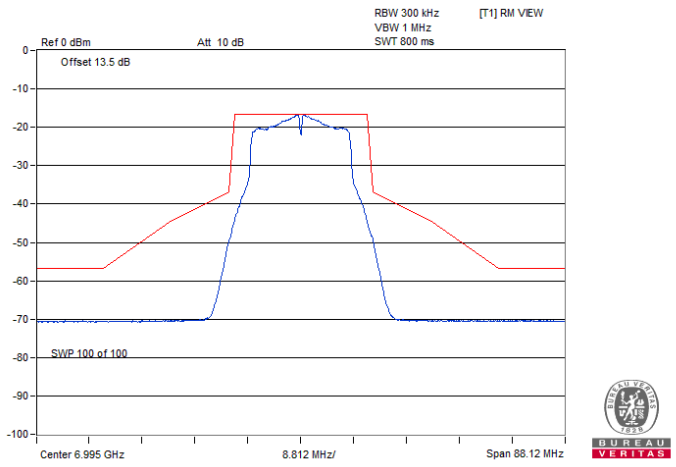
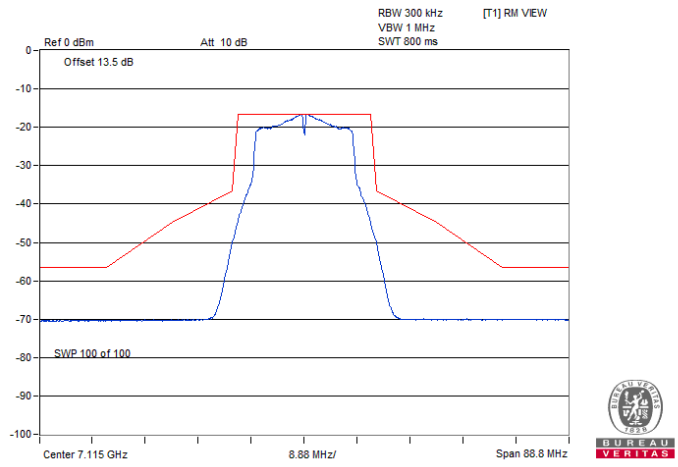
802.11a / Chain 1 : CH 149



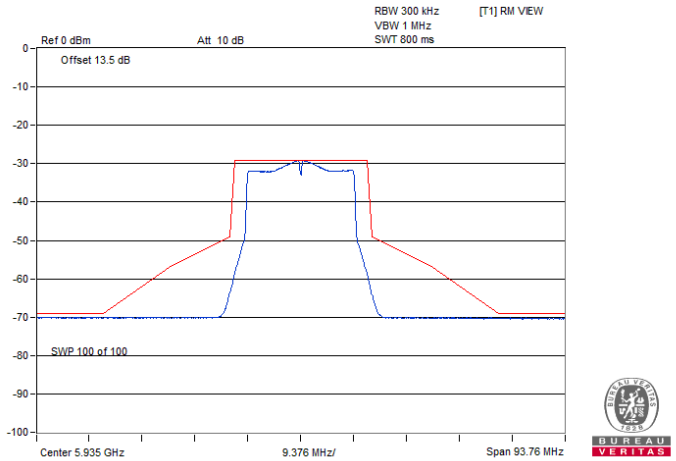
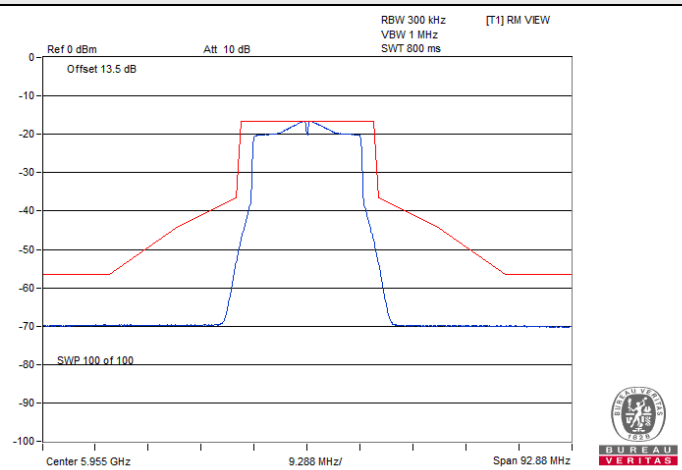
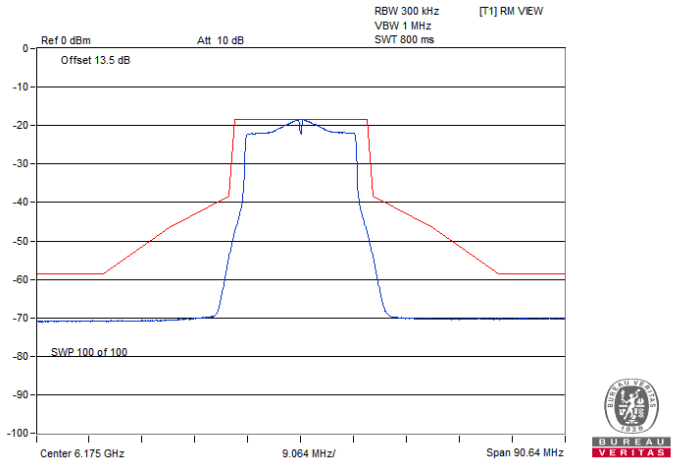
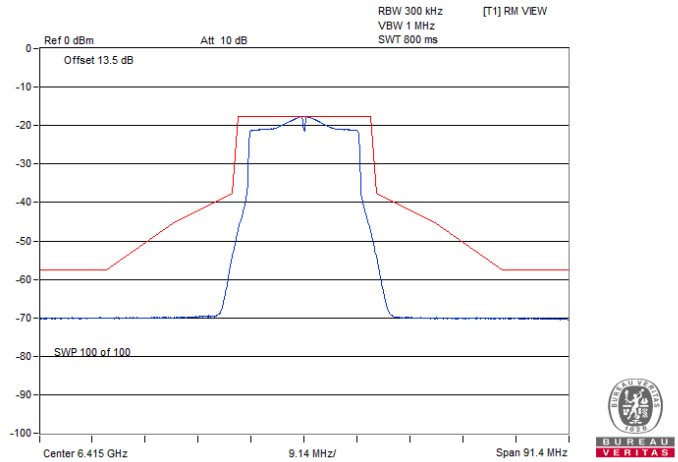
802.11a / Chain 1 : CH 181



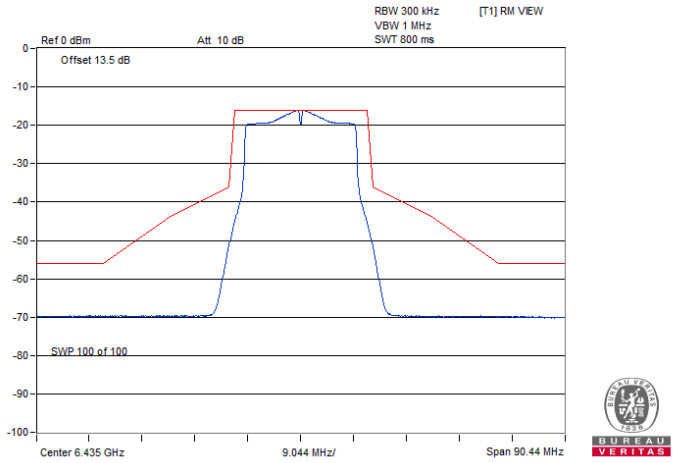
802.11a / Chain 1 : CH 185

Spectrum Plot	
	
802.11a / Chain 1 : CH 209	802.11a / Chain 1 : CH 233

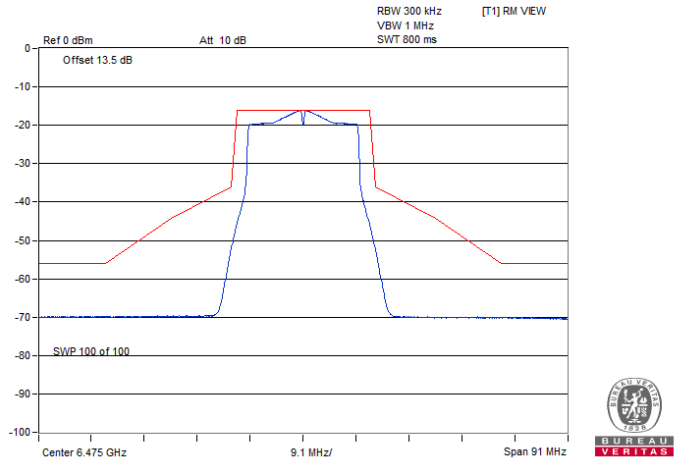
802.11be (EHT20)

Spectrum Plot	
	
802.11be (EHT20) / Chain 0 : CH 2	802.11be (EHT20) / Chain 0 : CH 1
	
802.11be (EHT20) / Chain 0 : CH 45	802.11be (EHT20) / Chain 0 : CH 93

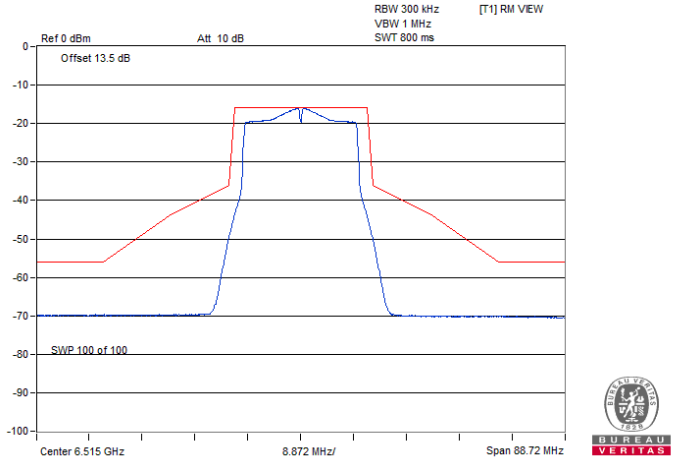
Spectrum Plot



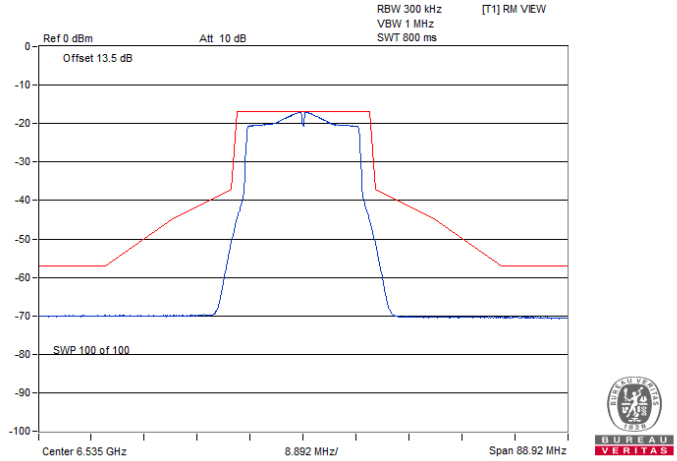
802.11be (EHT20) / Chain 0 : CH 97



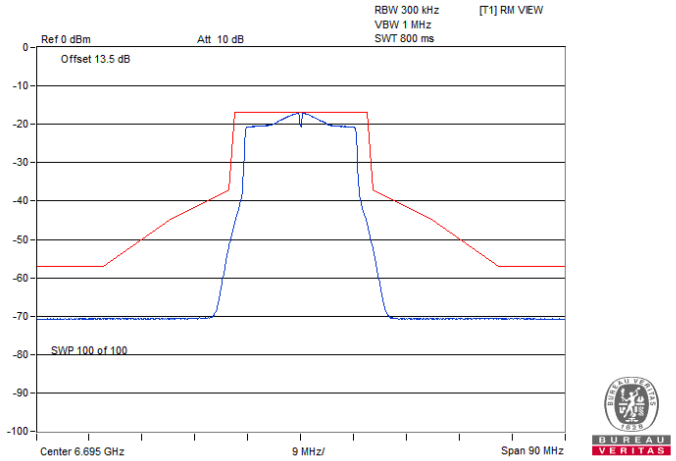
802.11be (EHT20) / Chain 0 : CH 105



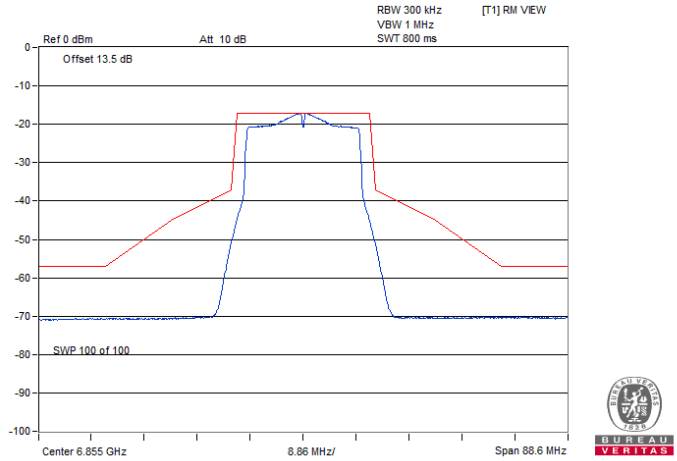
802.11be (EHT20) / Chain 0 : CH 113



802.11be (EHT20) / Chain 0 : CH 117

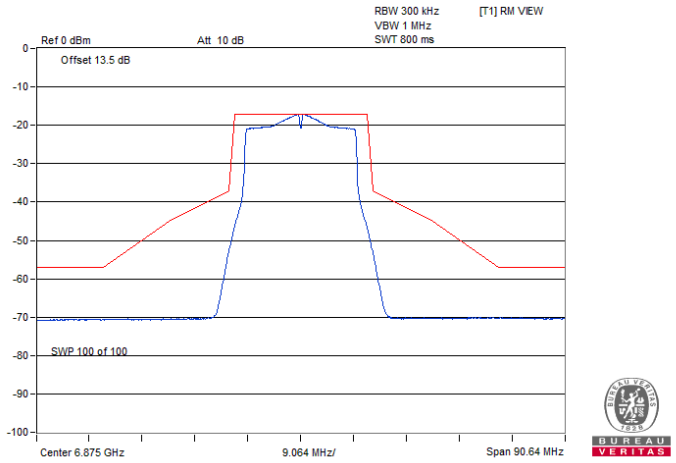


802.11be (EHT20) / Chain 0 : CH 149

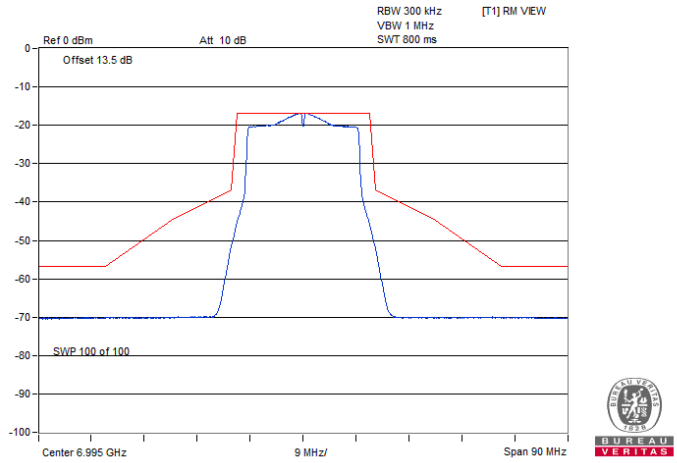


802.11be (EHT20) / Chain 0 : CH 181

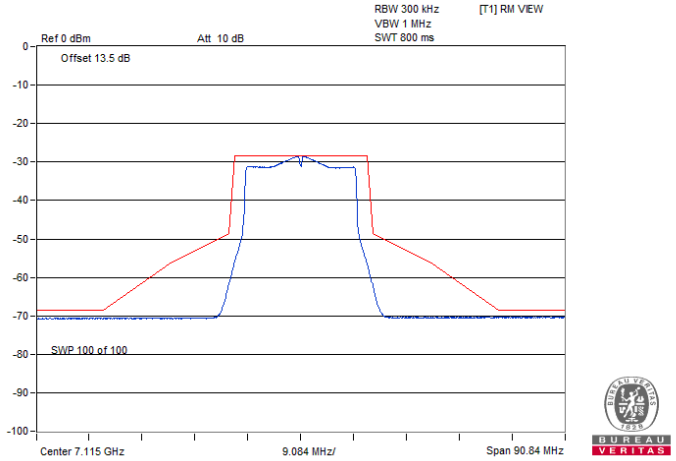
Spectrum Plot



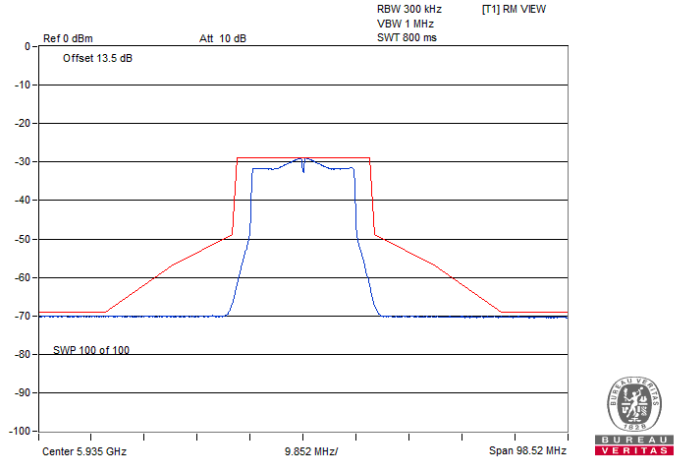
802.11be (EHT20) / Chain 0 : CH 185



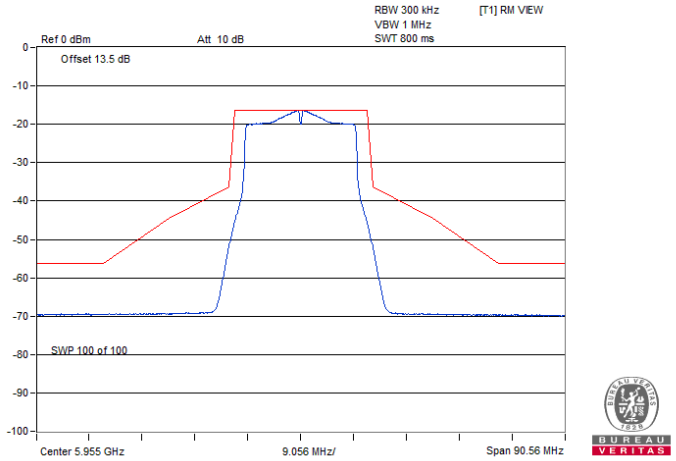
802.11be (EHT20) / Chain 0 : CH 209



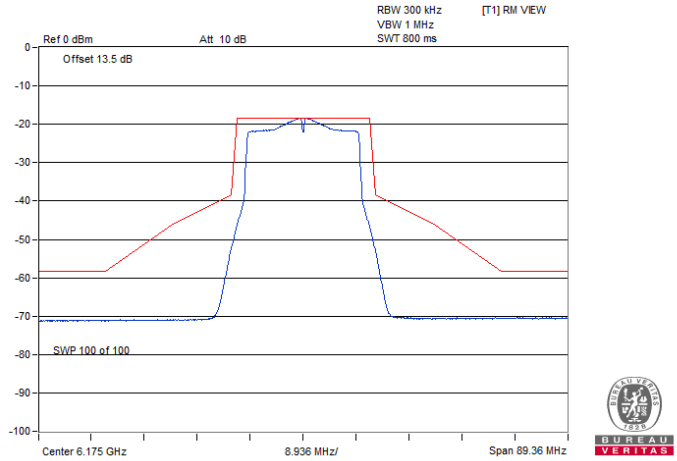
802.11be (EHT20) / Chain 0 : CH 233



802.11be (EHT20) / Chain 1 : CH 2

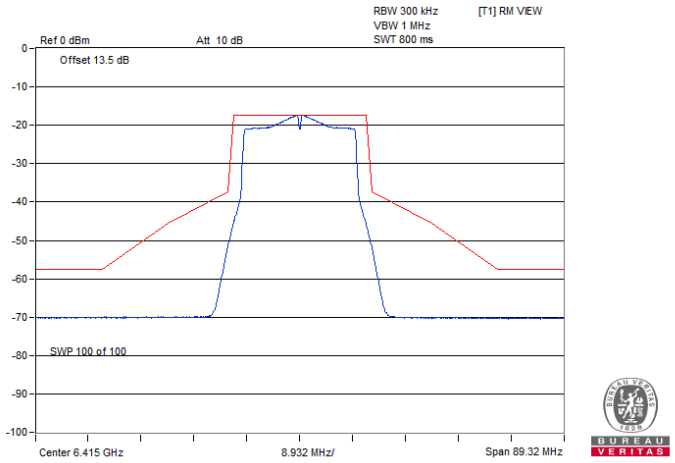


802.11be (EHT20) / Chain 1 : CH 1

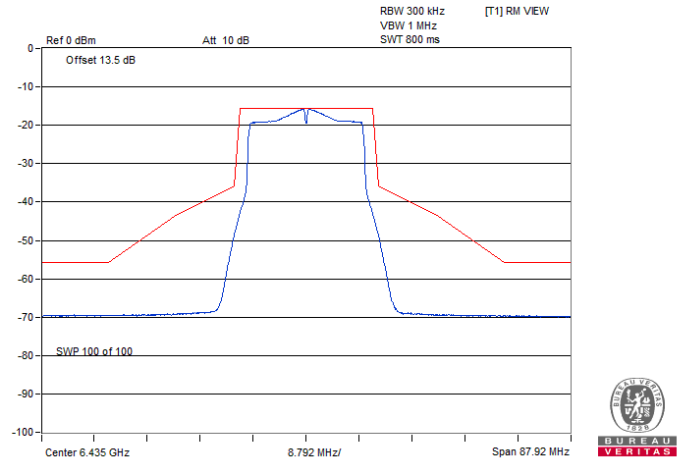


802.11be (EHT20) / Chain 1 : CH 45

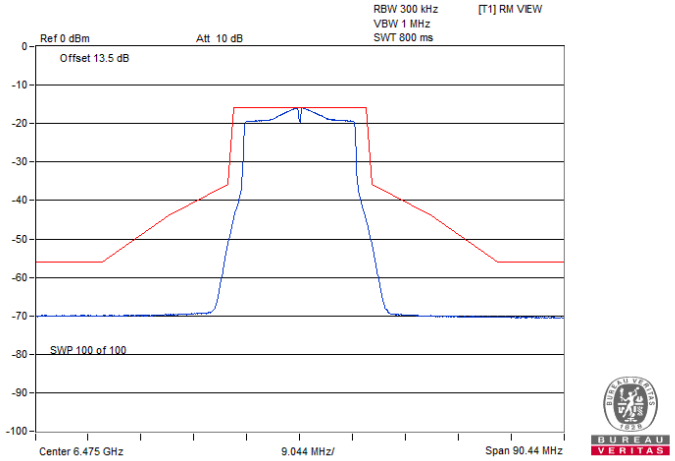
Spectrum Plot



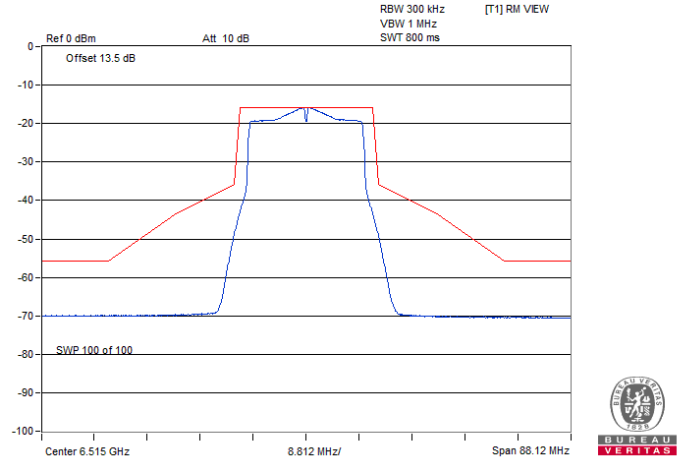
802.11be (EHT20) / Chain 1 : CH 93



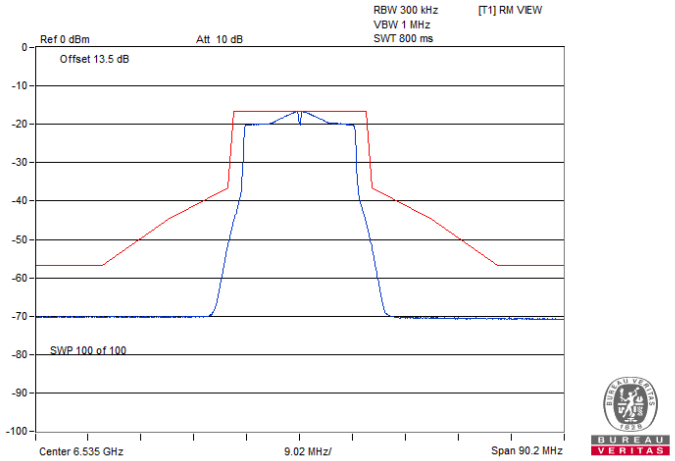
802.11be (EHT20) / Chain 1 : CH 97



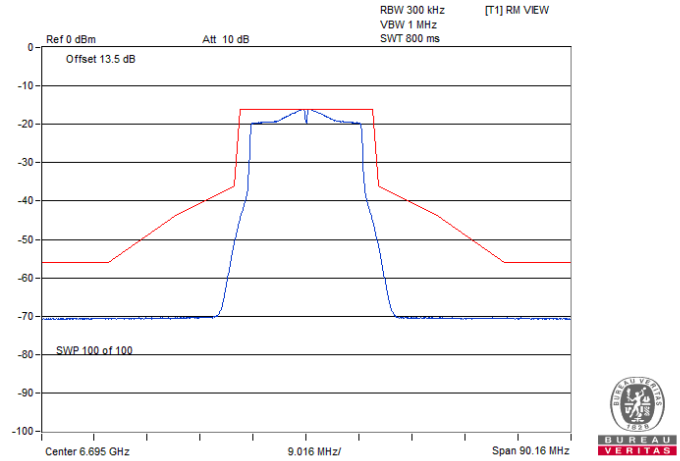
802.11be (EHT20) / Chain 1 : CH 105



802.11be (EHT20) / Chain 1 : CH 113

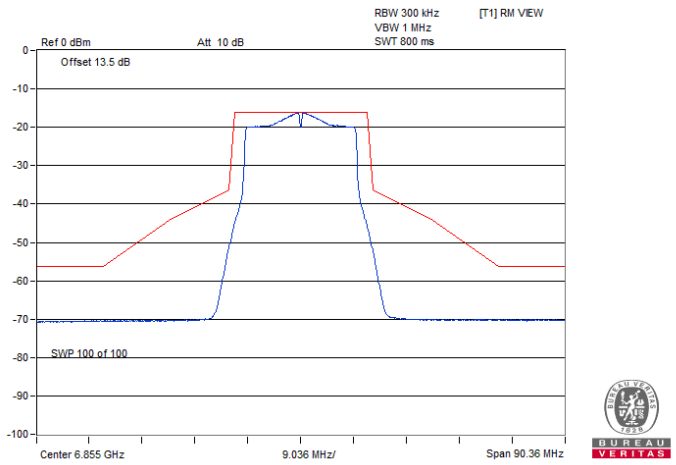


802.11be (EHT20) / Chain 1 : CH 117

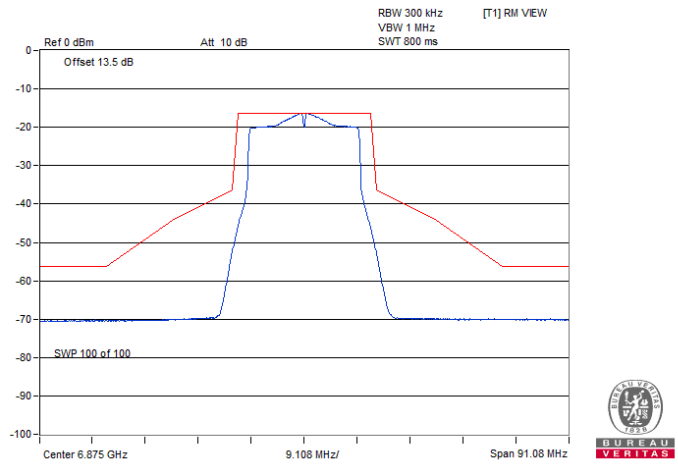


802.11be (EHT20) / Chain 1 : CH 149

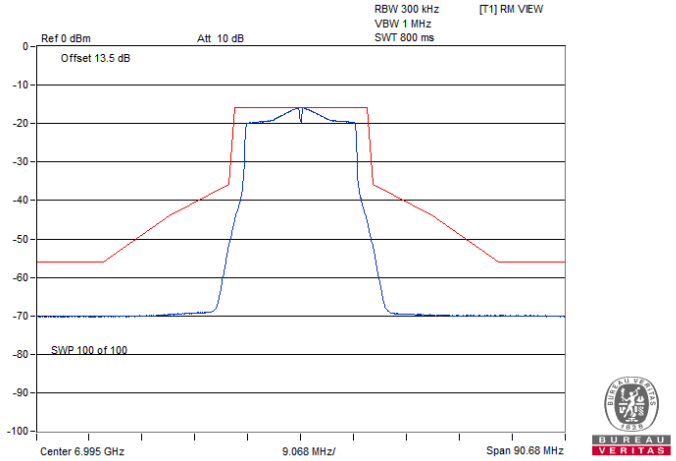
Spectrum Plot



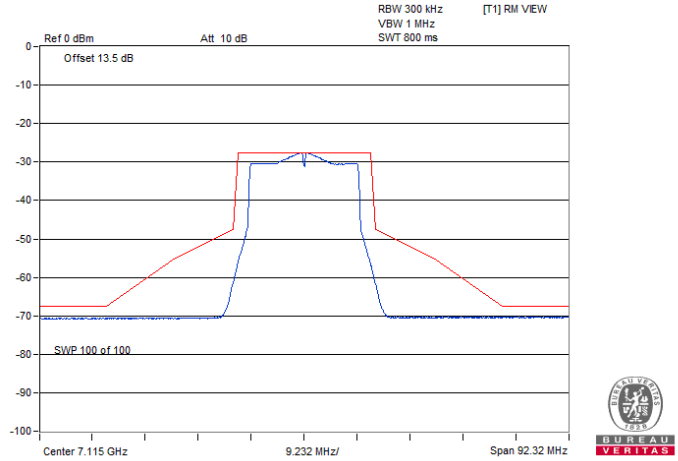
802.11be (EHT20) / Chain 1 : CH 181



802.11be (EHT20) / Chain 1 : CH 185



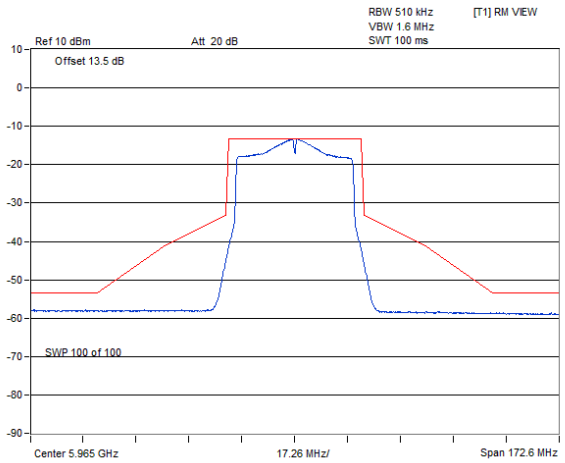
802.11be (EHT20) / Chain 1 : CH 209



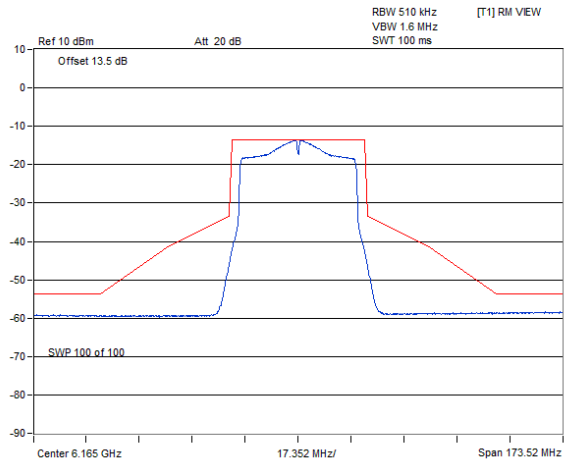
802.11be (EHT20) / Chain 1 : CH 233

802.11be (EHT40)

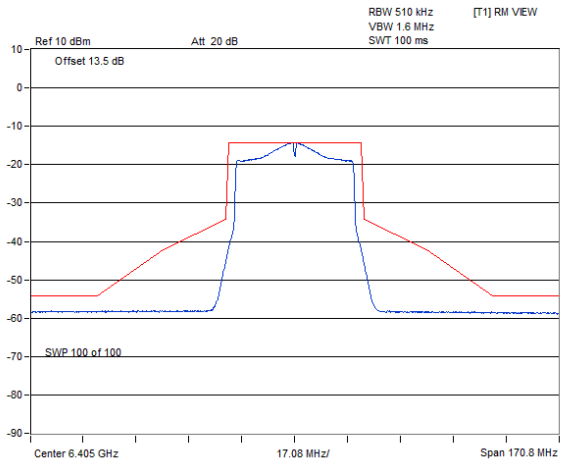
Spectrum Plot



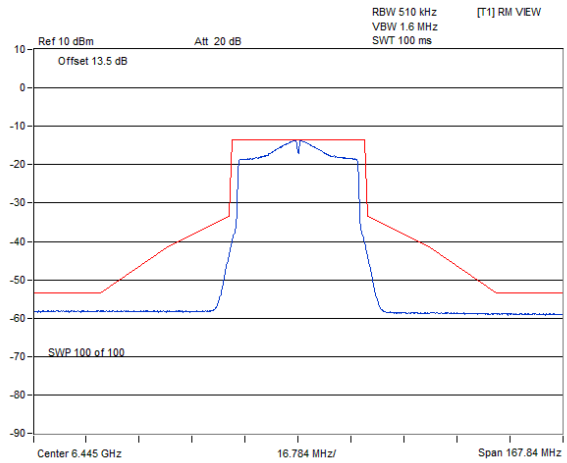
802.11be (EHT40) / Chain 0 : CH 3



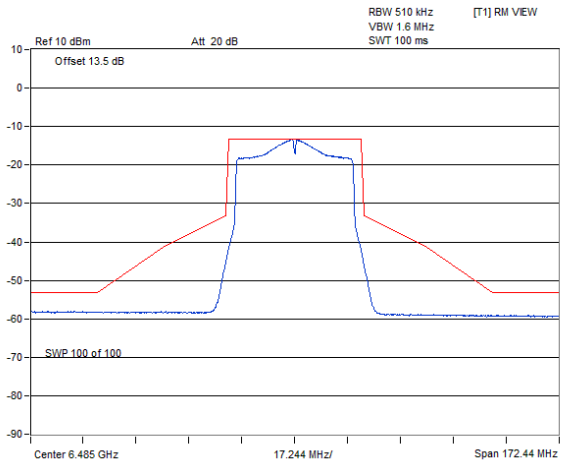
802.11be (EHT40) / Chain 0 : CH 43



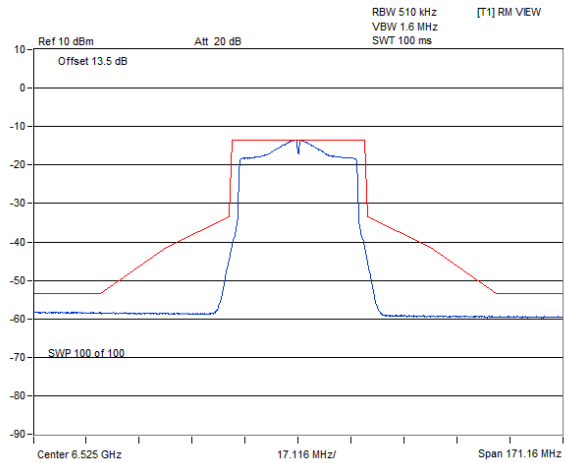
802.11be (EHT40) / Chain 0 : CH 91



802.11be (EHT40) / Chain 0 : CH 99

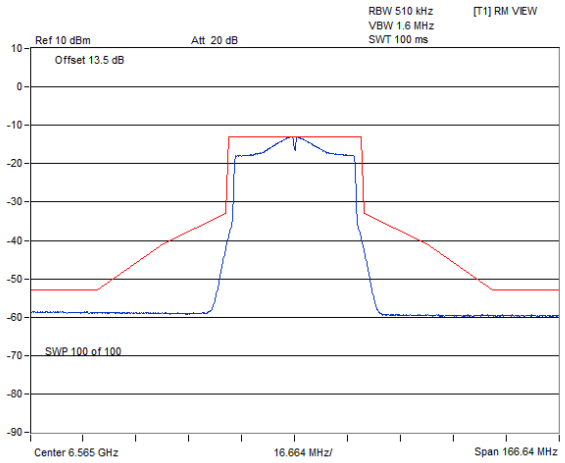


802.11be (EHT40) / Chain 0 : CH 107

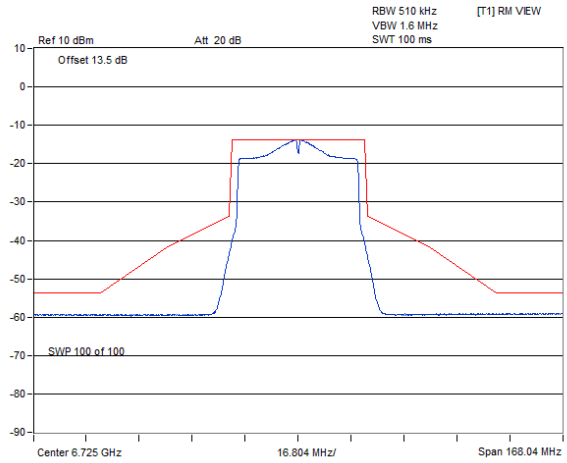


802.11be (EHT40) / Chain 0 : CH 115

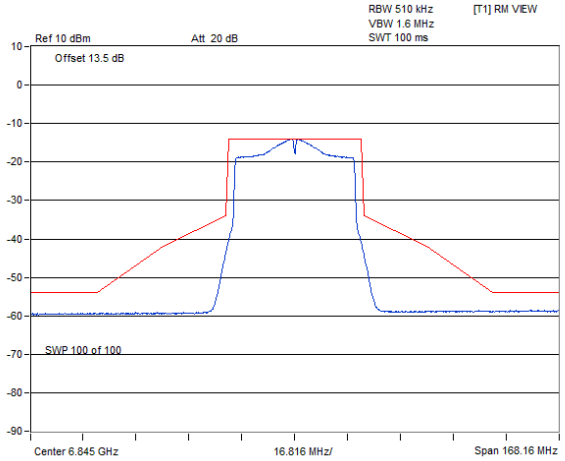
Spectrum Plot



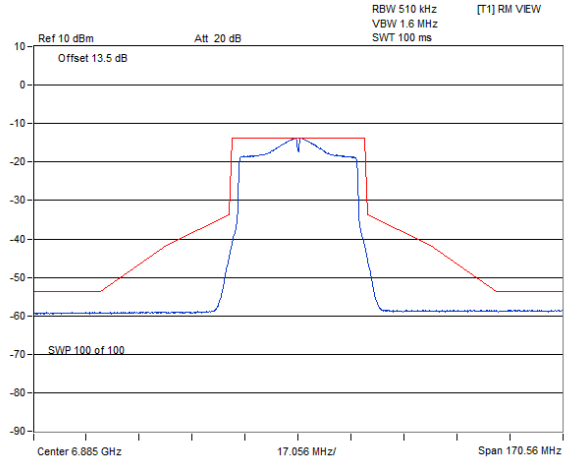
802.11be (EHT40) / Chain 0 : CH 123



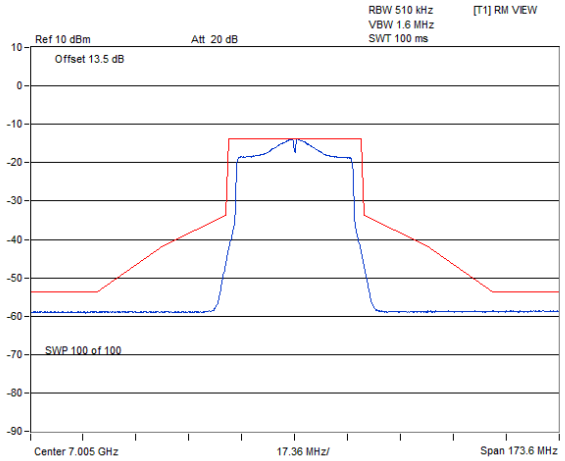
802.11be (EHT40) / Chain 0 : CH 155



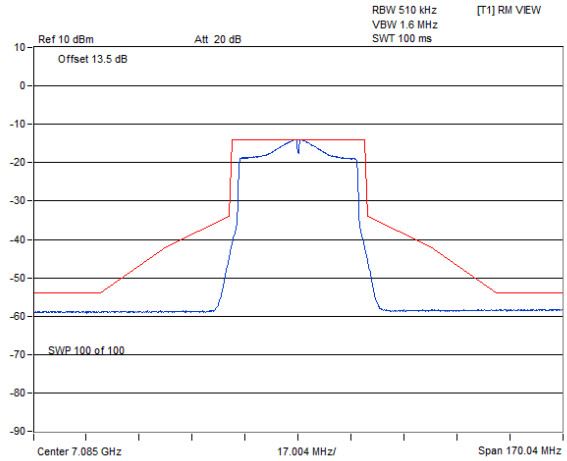
802.11be (EHT40) / Chain 0 : CH 179



802.11be (EHT40) / Chain 0 : CH 187

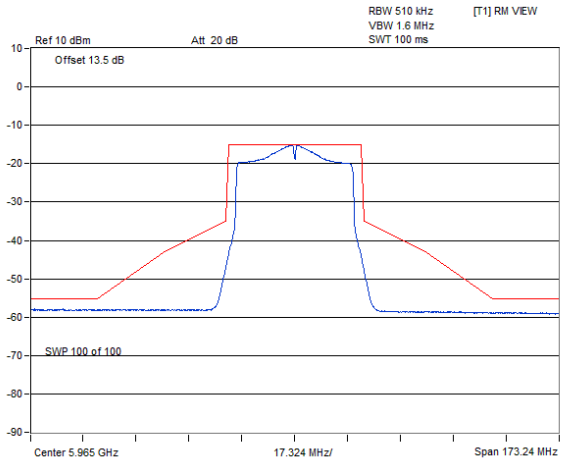


802.11be (EHT40) / Chain 0 : CH 211

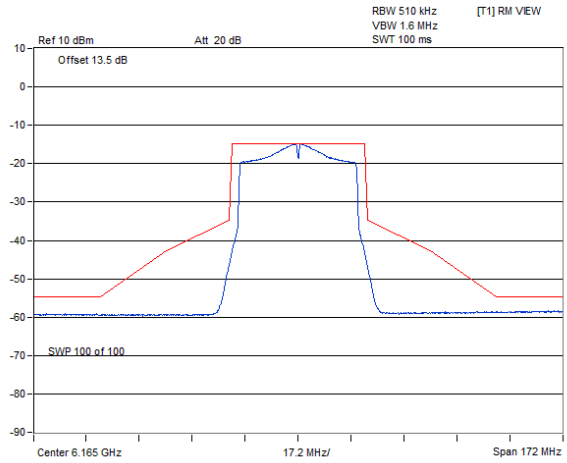


802.11be (EHT40) / Chain 0 : CH 227

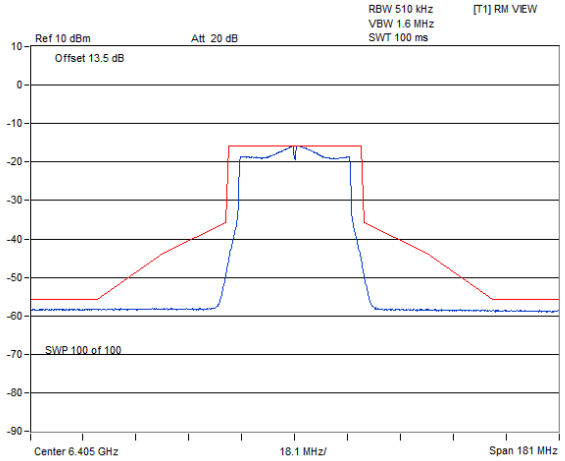
Spectrum Plot



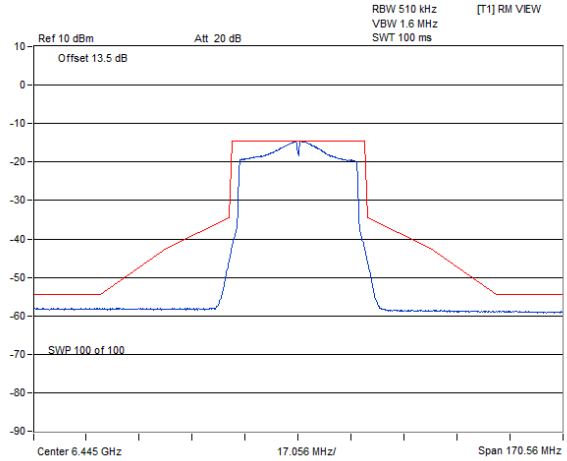
802.11be (EHT40) / Chain 1 : CH 3



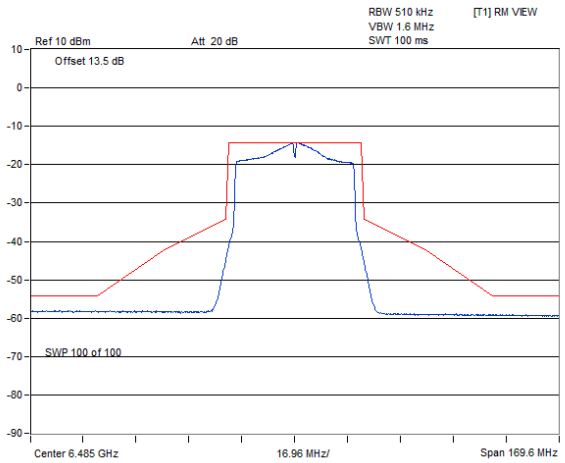
802.11be (EHT40) / Chain 1 : CH 43



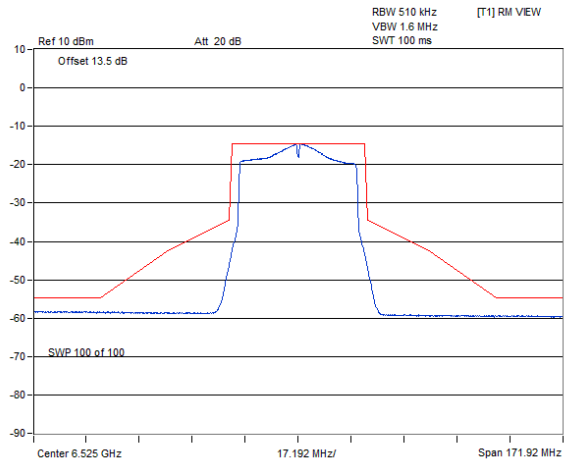
802.11be (EHT40) / Chain 1 : CH 91



802.11be (EHT40) / Chain 1 : CH 99

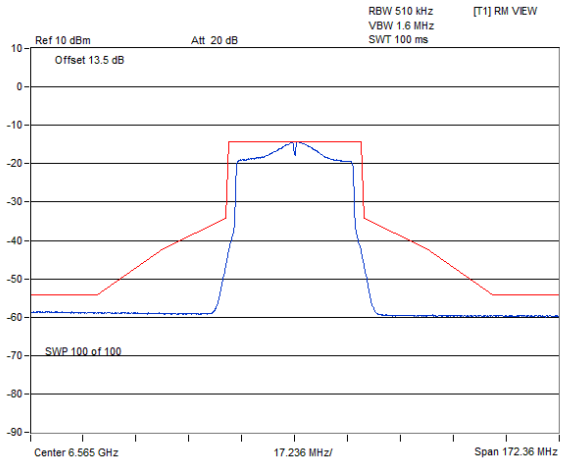


802.11be (EHT40) / Chain 1 : CH 107

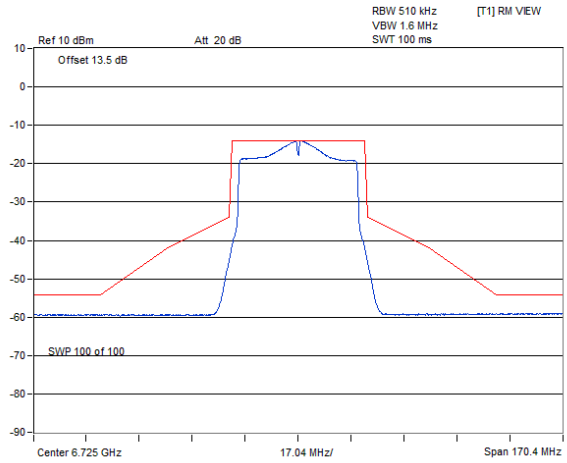


802.11be (EHT40) / Chain 1 : CH 115

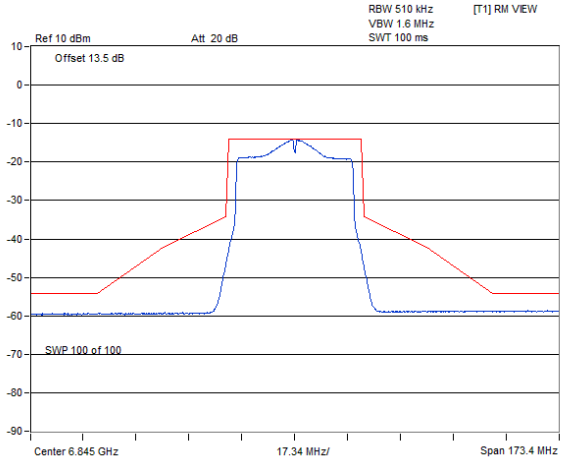
Spectrum Plot



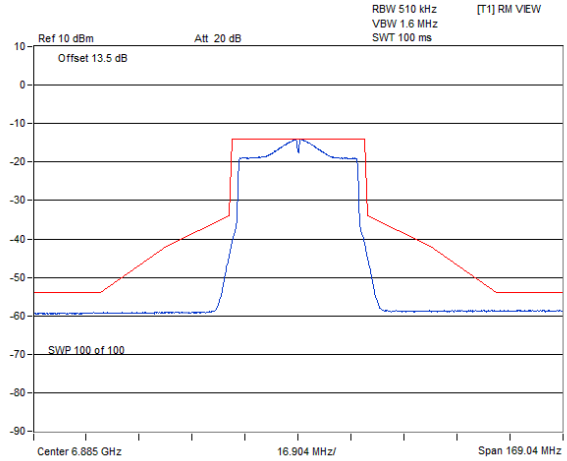
802.11be (EHT40) / Chain 1 : CH 123



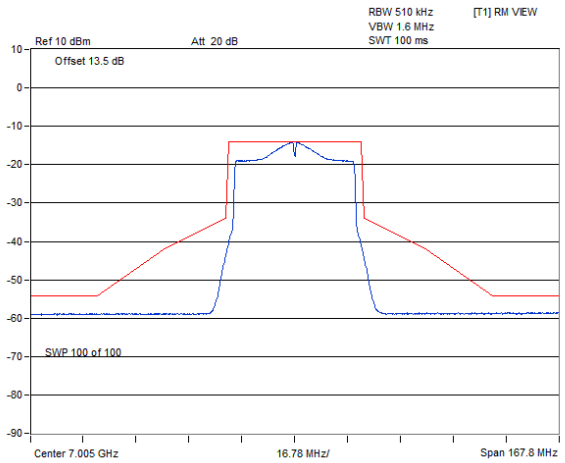
802.11be (EHT40) / Chain 1 : CH 155



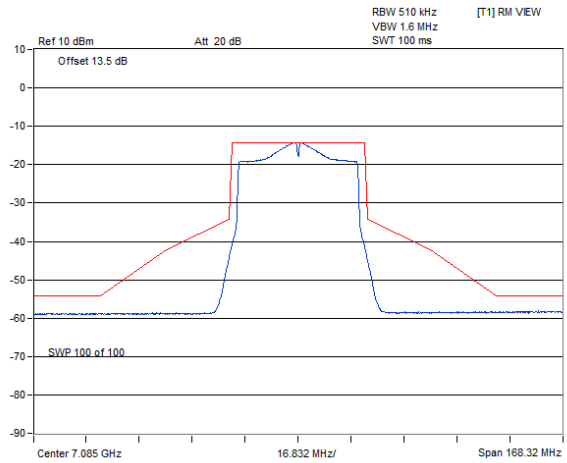
802.11be (EHT40) / Chain 1 : CH 179



802.11be (EHT40) / Chain 1 : CH 187

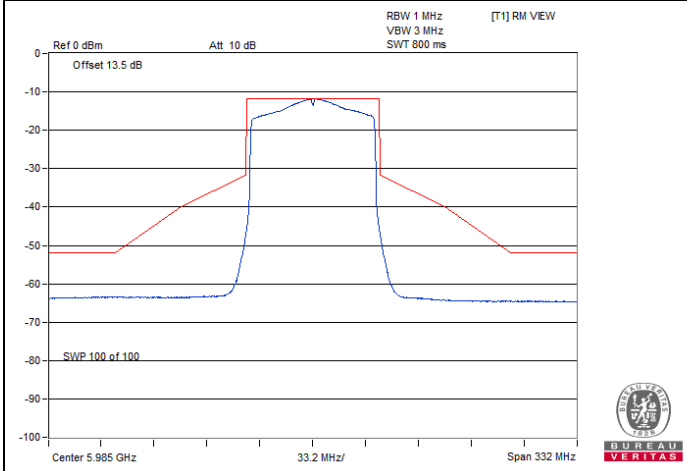
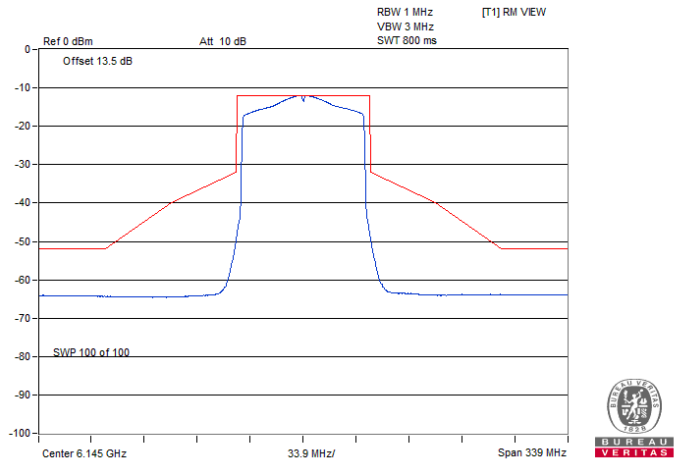
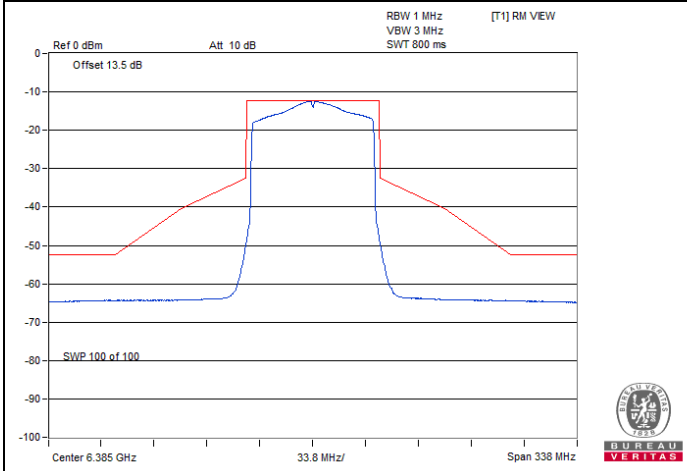
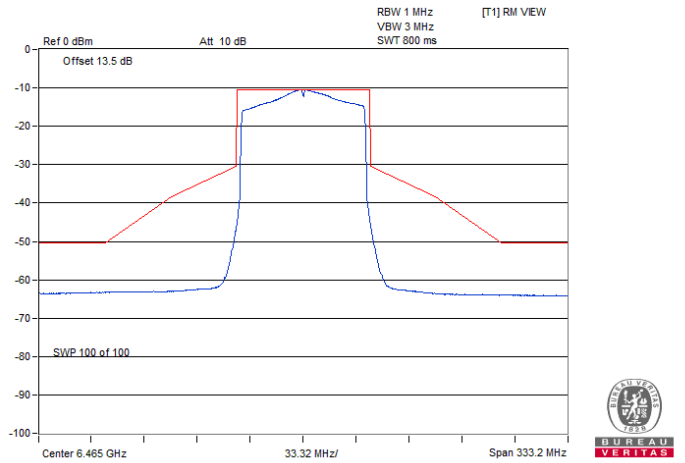
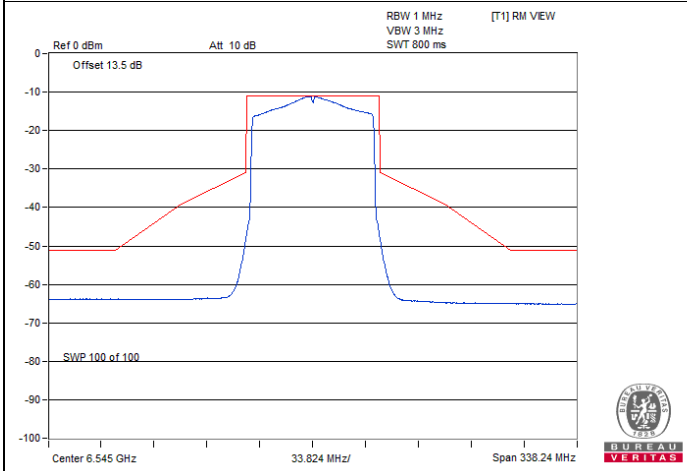
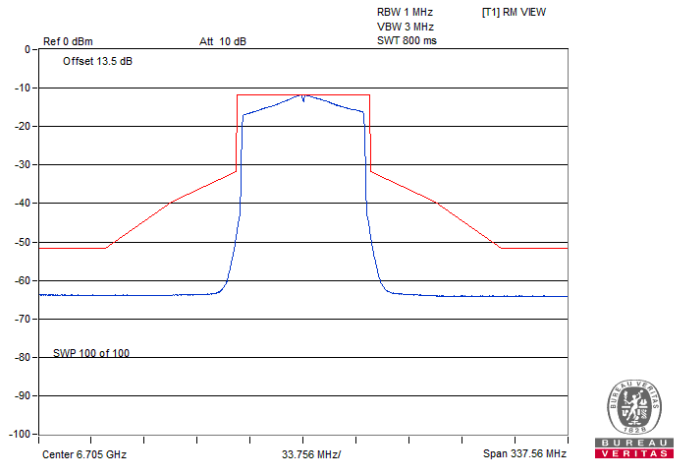


802.11be (EHT40) / Chain 1 : CH 211

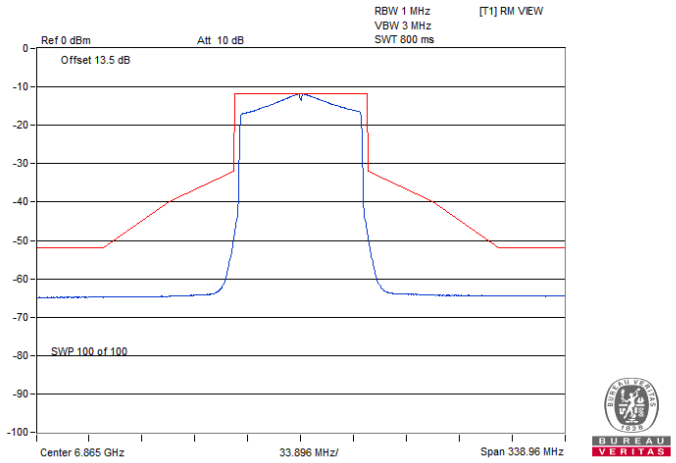


802.11be (EHT40) / Chain 1 : CH 227

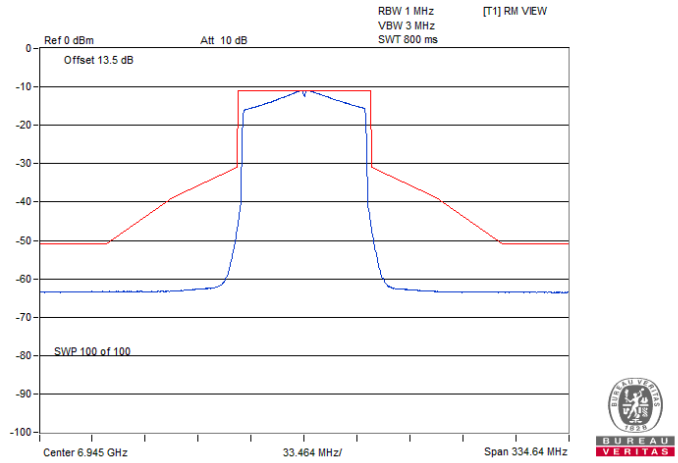
802.11be (EHT80)

Spectrum Plot	
	
802.11be (EHT80) / Chain 0 : CH 7	802.11be (EHT80) / Chain 0 : CH 39
	
802.11be (EHT80) / Chain 0 : CH 87	802.11be (EHT80) / Chain 0 : CH 103
	
802.11be (EHT80) / Chain 0 : CH 119	802.11be (EHT80) / Chain 0 : CH 151

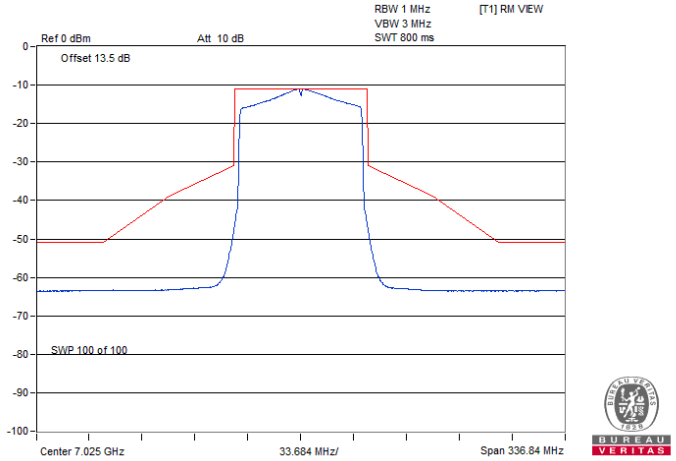
Spectrum Plot



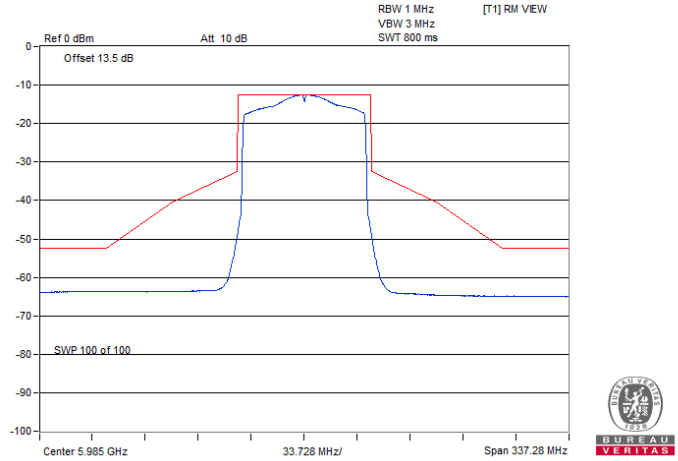
802.11be (EHT80) / Chain 0 : CH 183



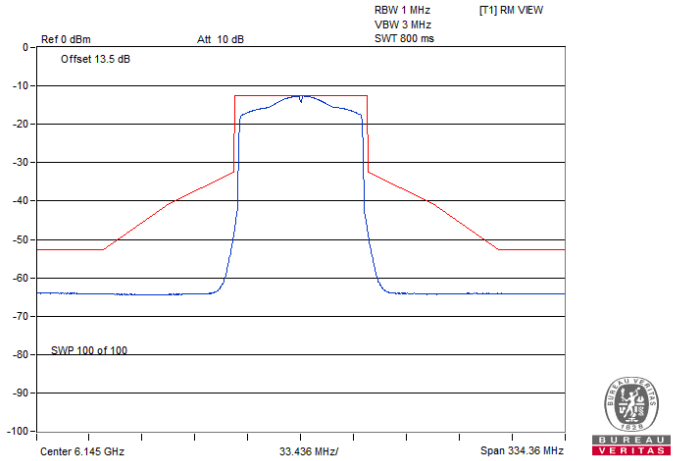
802.11be (EHT80) / Chain 0 : CH 199



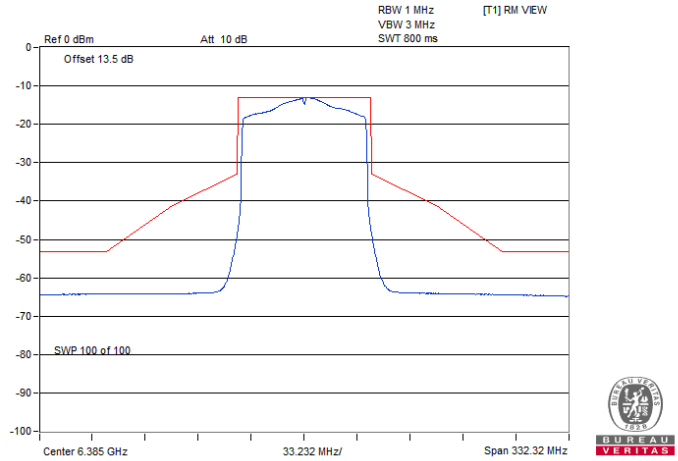
802.11be (EHT80) / Chain 0 : CH 215



802.11be (EHT80) / Chain 1 : CH 7

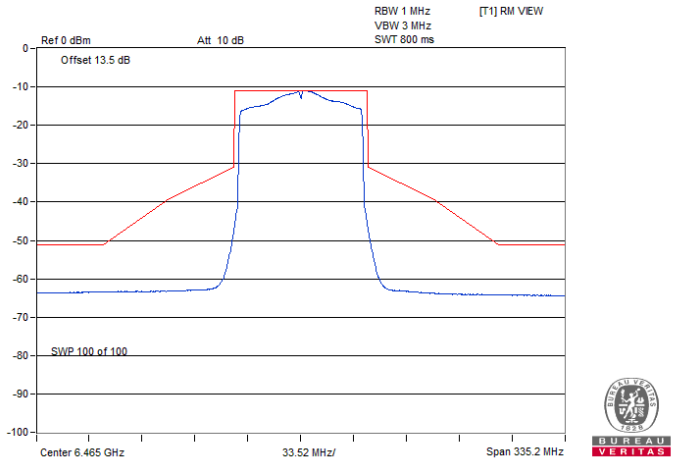


802.11be (EHT80) / Chain 1 : CH 39

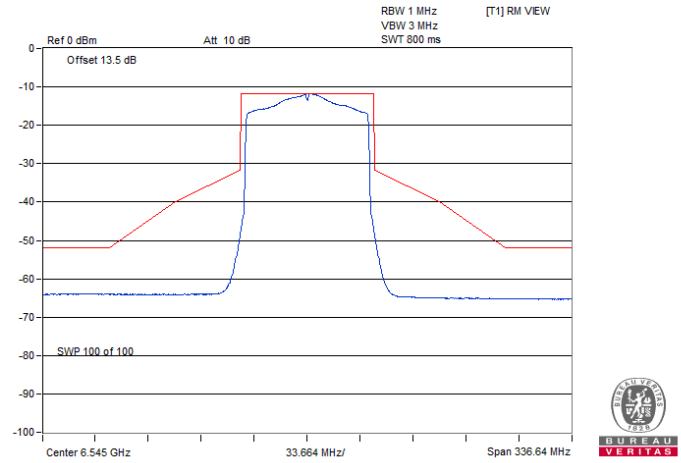


802.11be (EHT80) / Chain 1 : CH 87

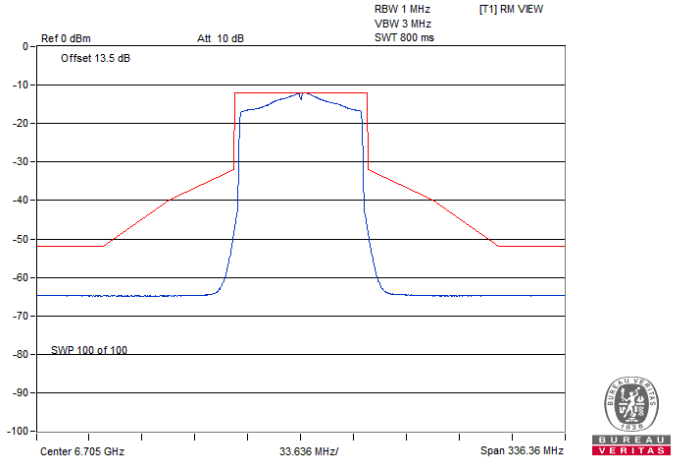
Spectrum Plot



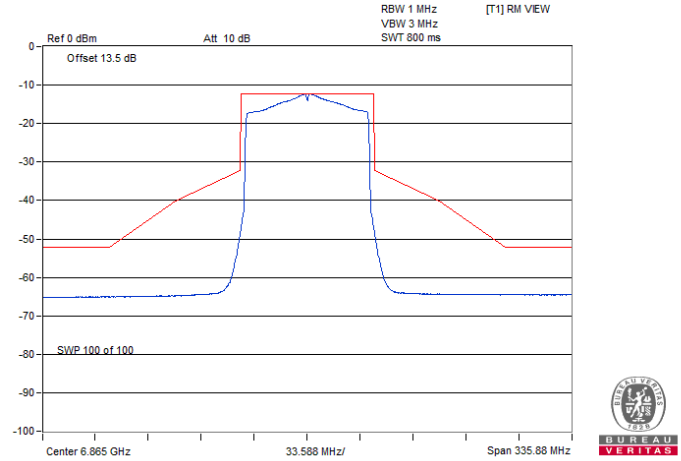
802.11be (EHT80) / Chain 1 : CH 103



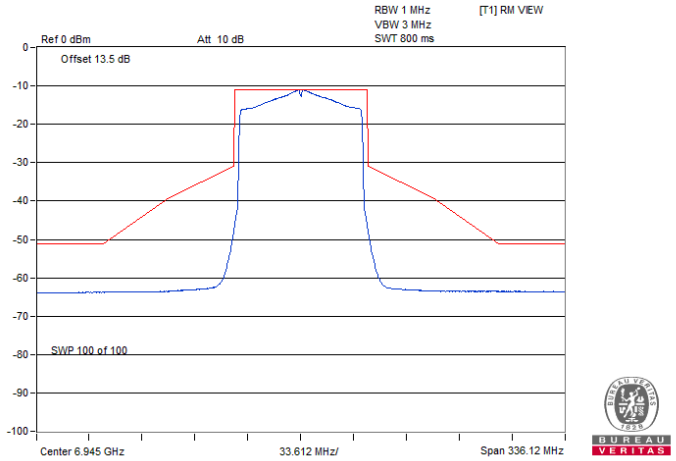
802.11be (EHT80) / Chain 1 : CH 119



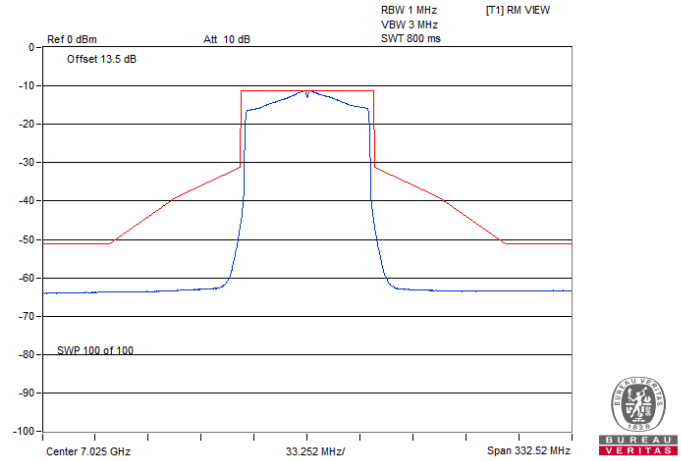
802.11be (EHT80) / Chain 1 : CH 151



802.11be (EHT80) / Chain 1 : CH 183

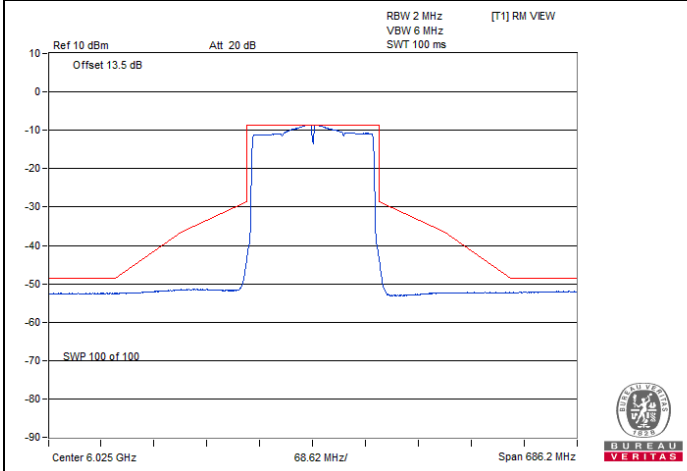
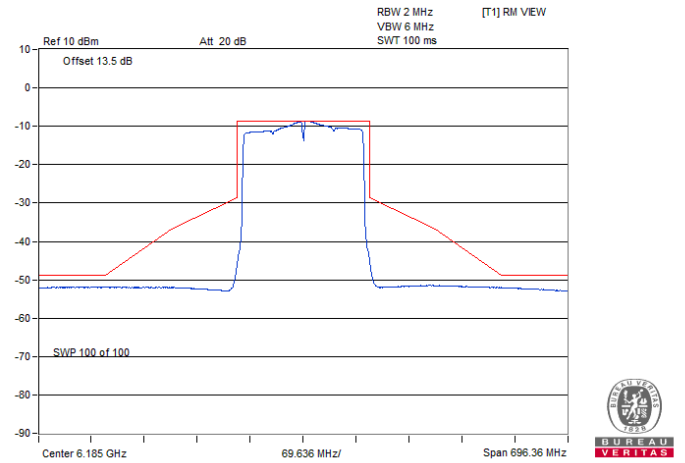
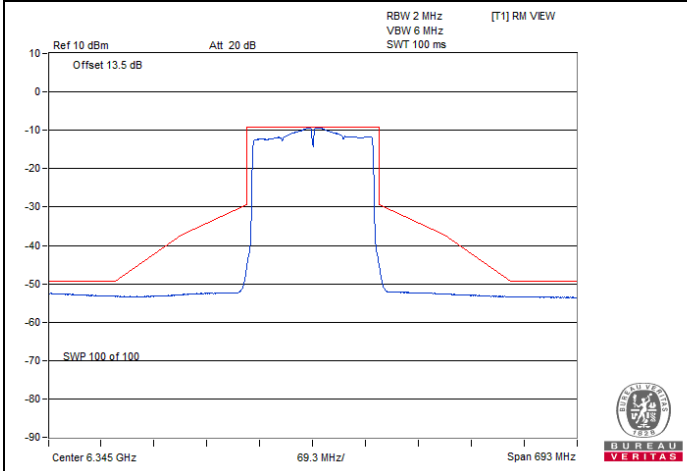
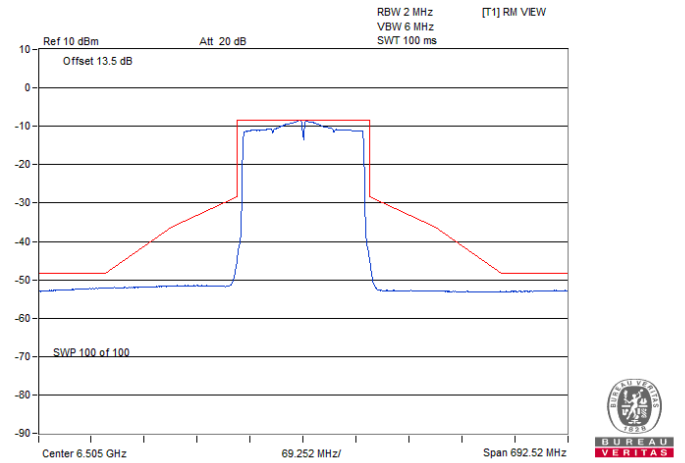
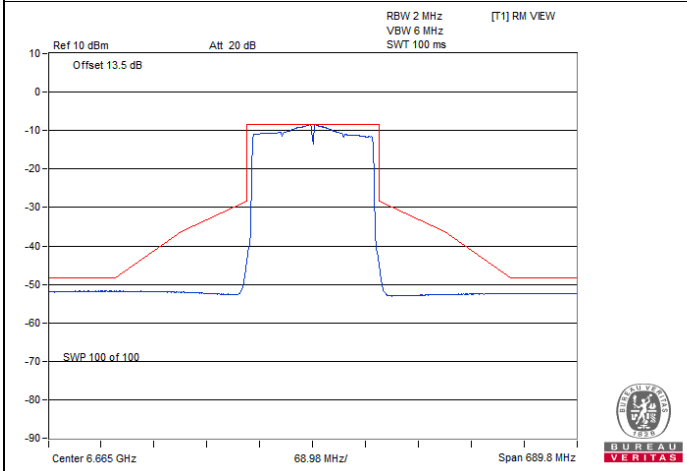
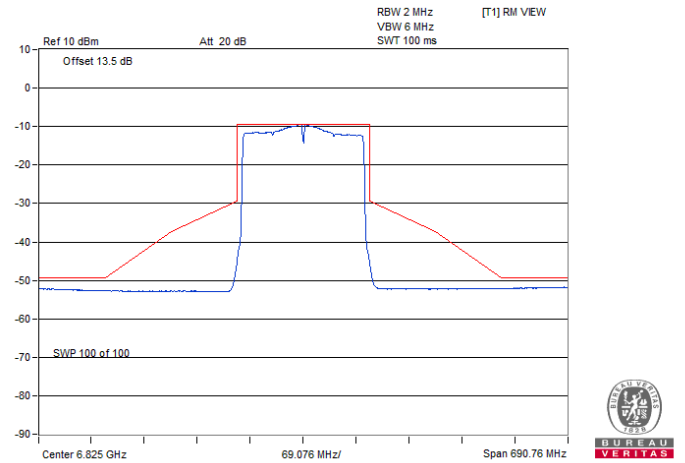


802.11be (EHT80) / Chain 1 : CH 199

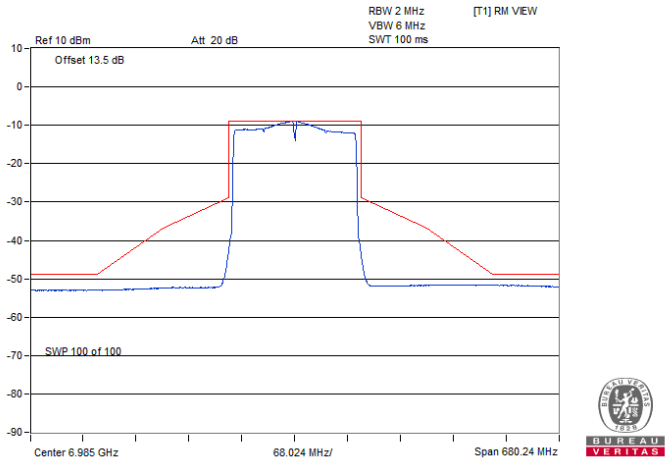


802.11be (EHT80) / Chain 1 : CH 215

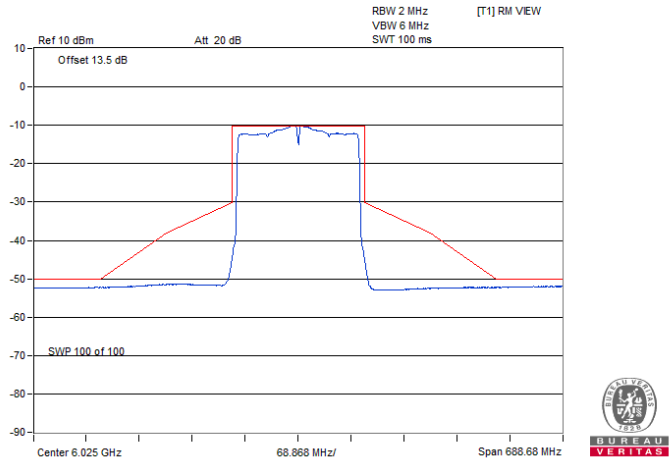
802.11be (EHT160)

Spectrum Plot	
	
802.11be (EHT160) / Chain 0 : CH 15	802.11be (EHT160) / Chain 0 : CH 47
	
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

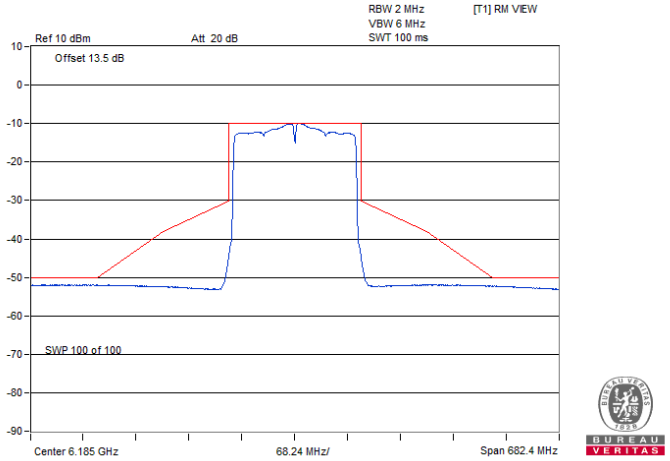
Spectrum Plot



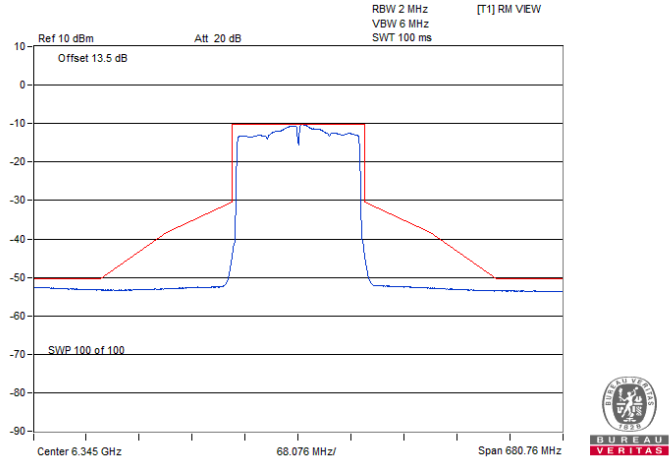
802.11be (EHT160) / Chain 0 : CH 207



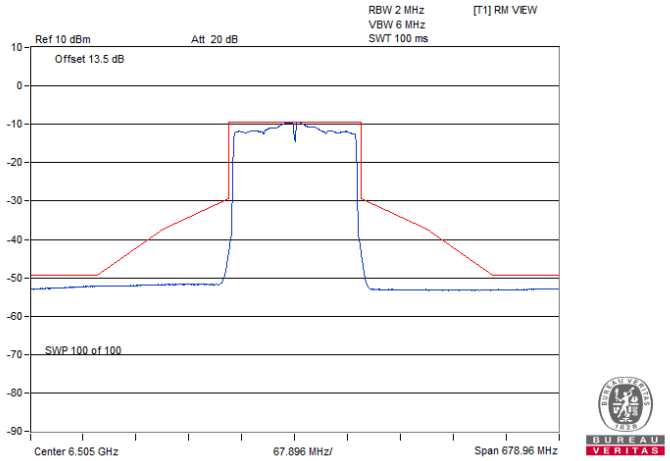
802.11be (EHT160) / Chain 1 : CH 15



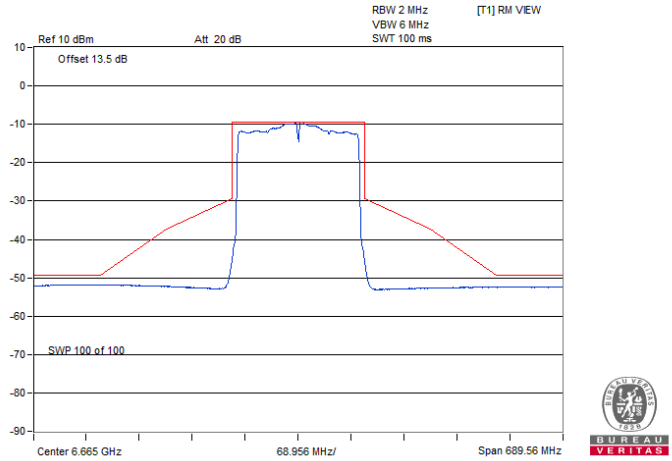
802.11be (EHT160) / Chain 1 : CH 47



802.11be (EHT160) / Chain 1 : CH 79

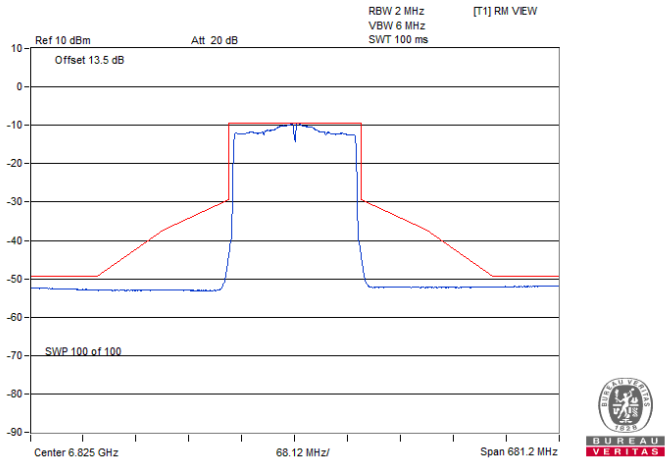


802.11be (EHT160) / Chain 1 : CH 111

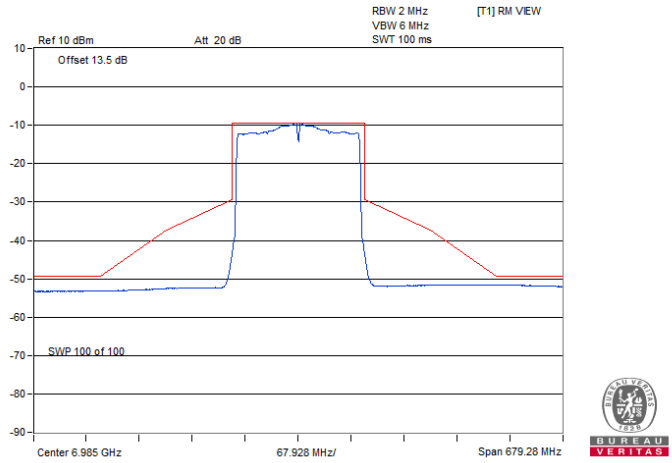


802.11be (EHT160) / Chain 1 : CH 143

Spectrum Plot



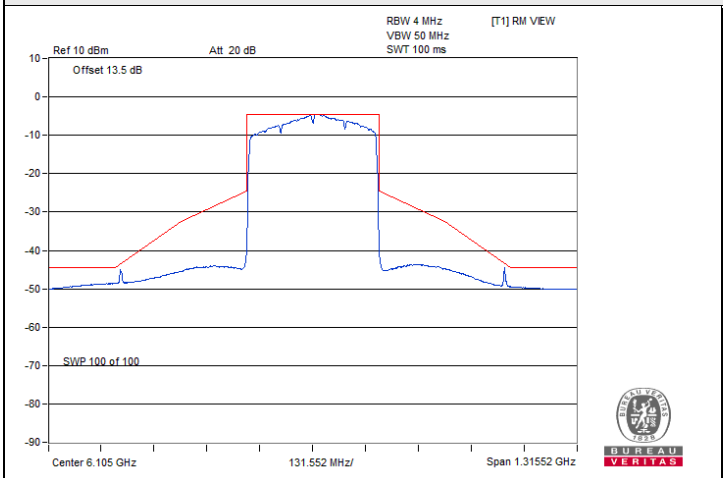
802.11be (EHT160) / Chain 1 : CH 175



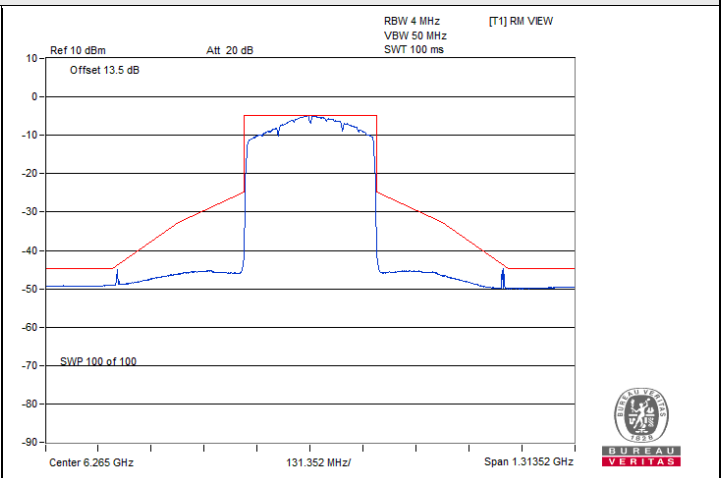
802.11be (EHT160) / Chain 1 : CH 207

802.11be (EHT320)

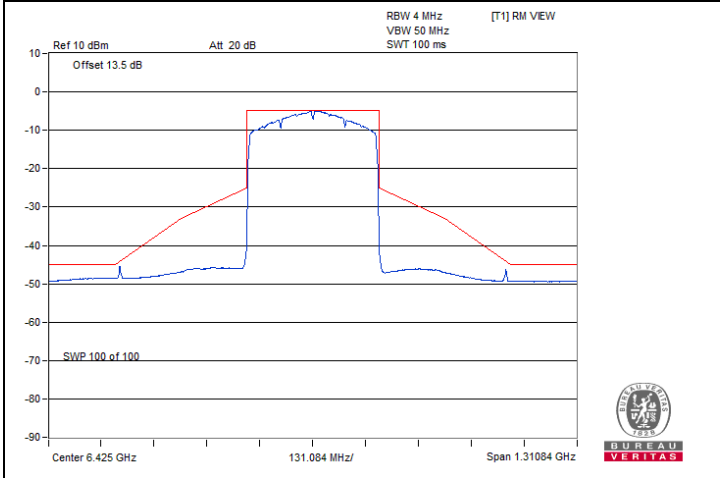
Spectrum Plot



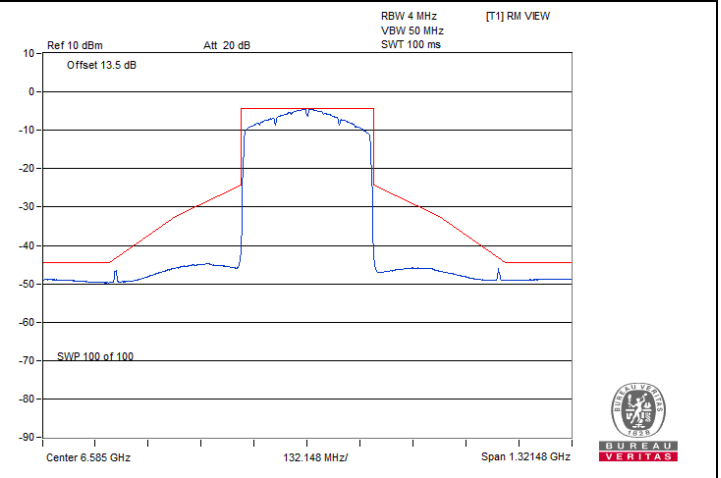
802.11be (EHT320) / Chain 0 : CH 31



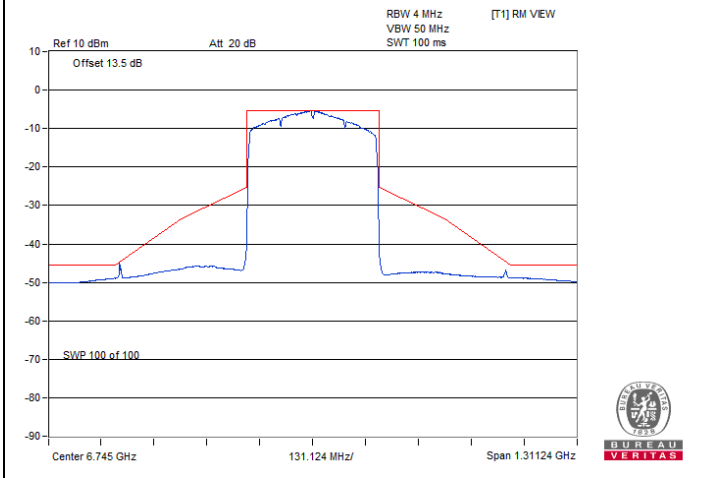
802.11be (EHT320) / Chain 0 : CH 63



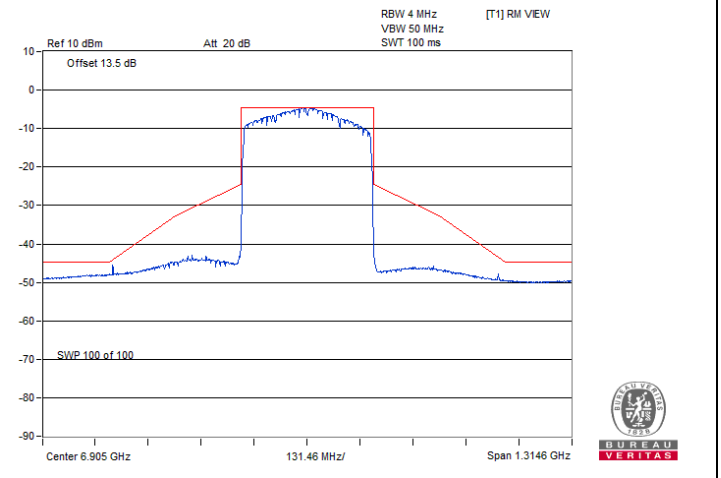
802.11be (EHT320) / Chain 0 : CH 95



802.11be (EHT320) / Chain 0 : CH 127

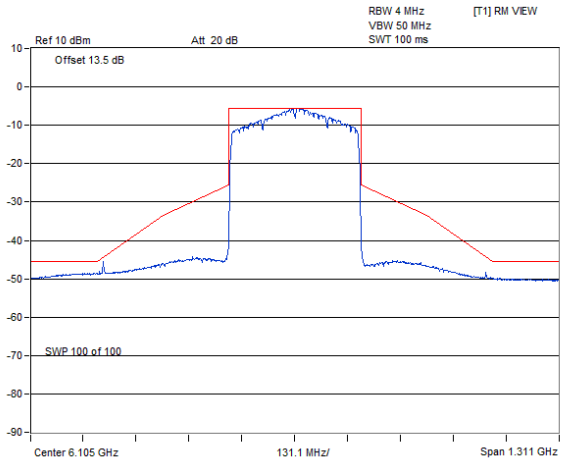


802.11be (EHT320) / Chain 0 : CH 159

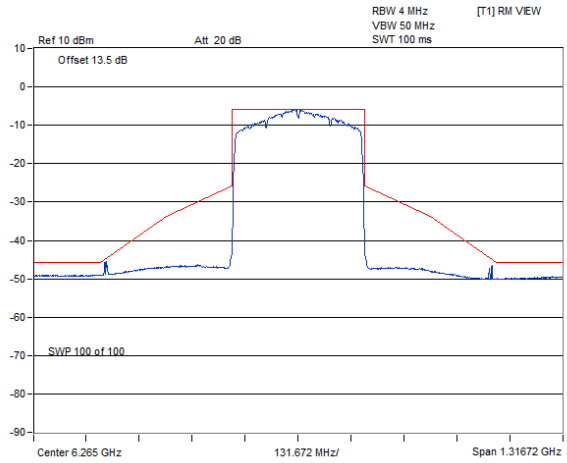


802.11be (EHT320) / Chain 0 : CH 191

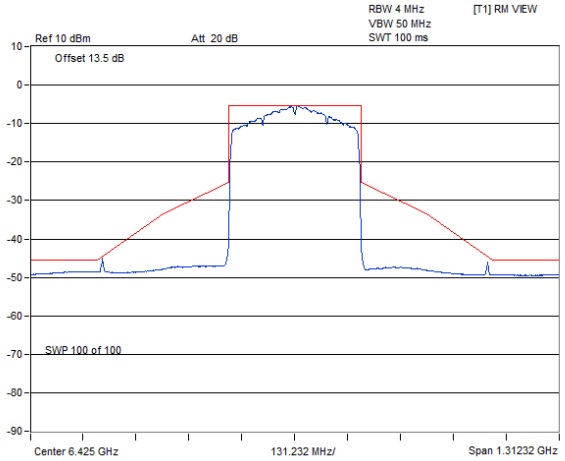
Spectrum Plot



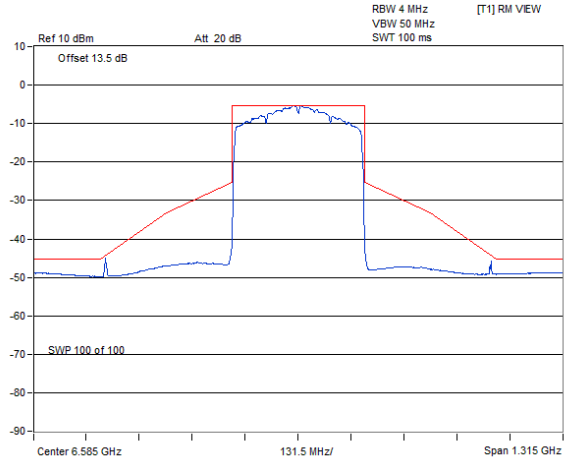
802.11be (EHT320) / Chain 1 : CH 31



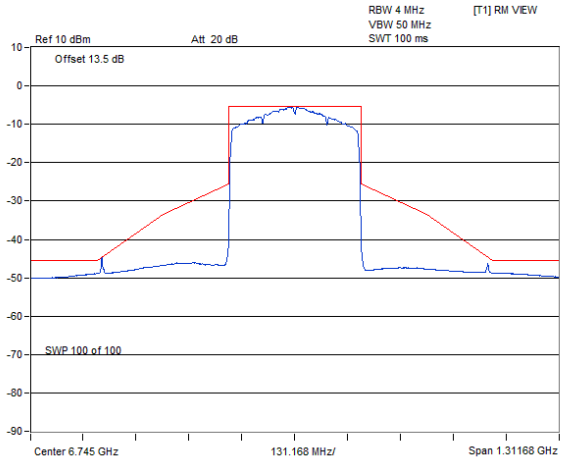
802.11be (EHT320) / Chain 1 : CH 63



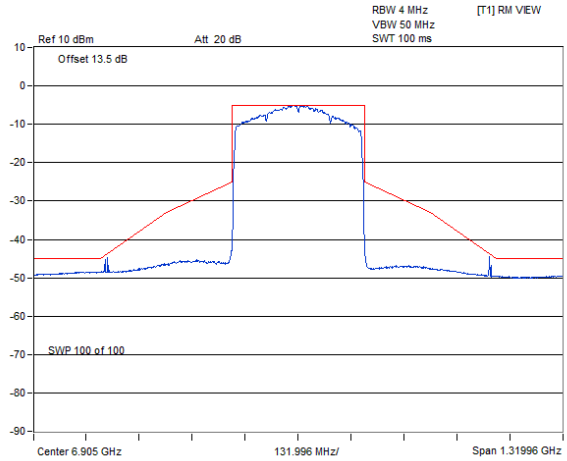
802.11be (EHT320) / Chain 1 : CH 95



802.11be (EHT320) / Chain 1 : CH 127

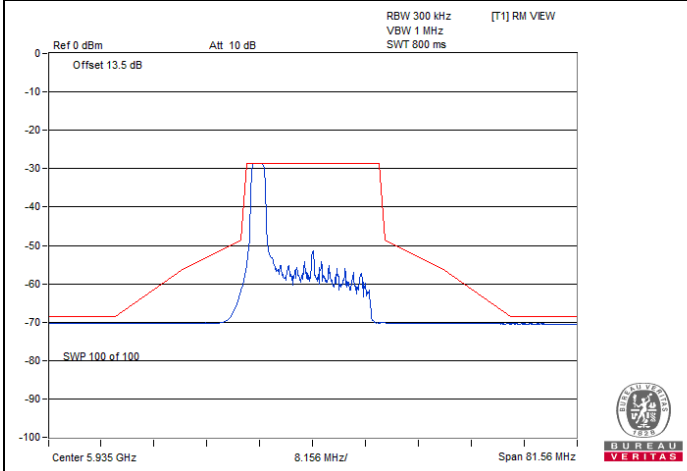
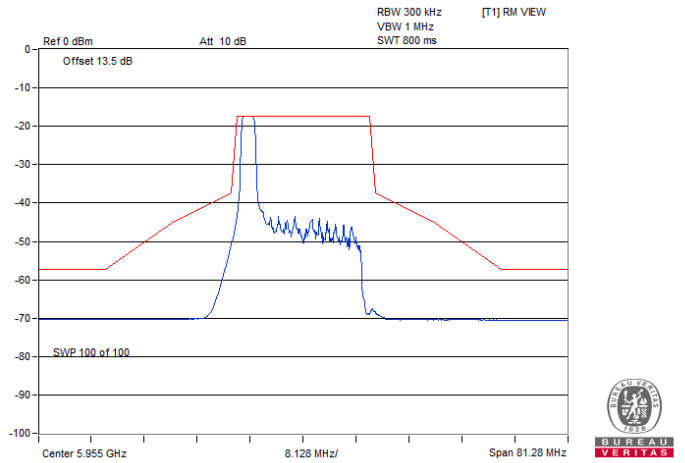
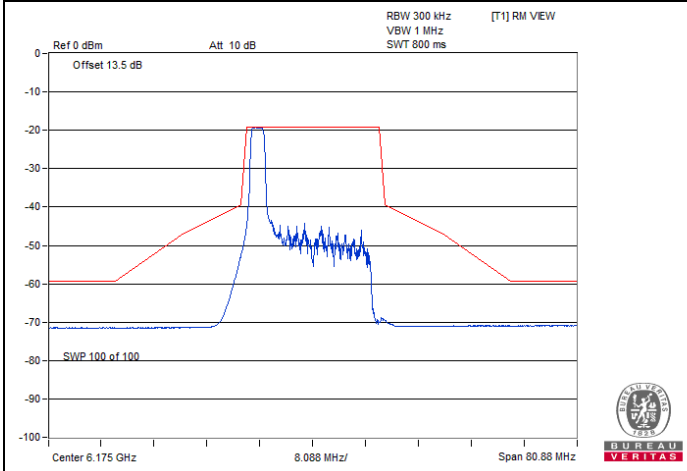
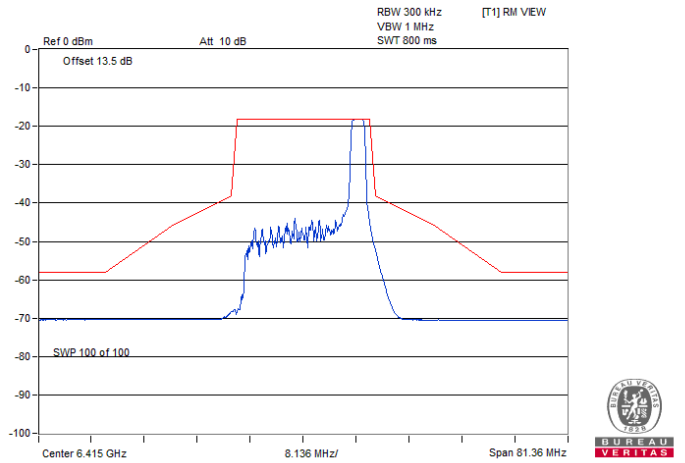
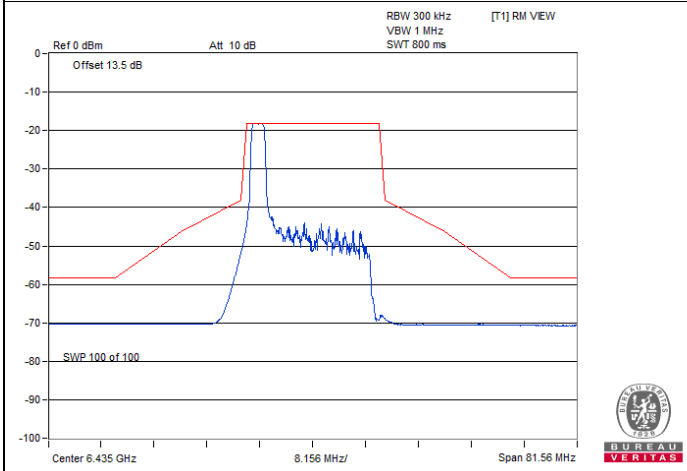
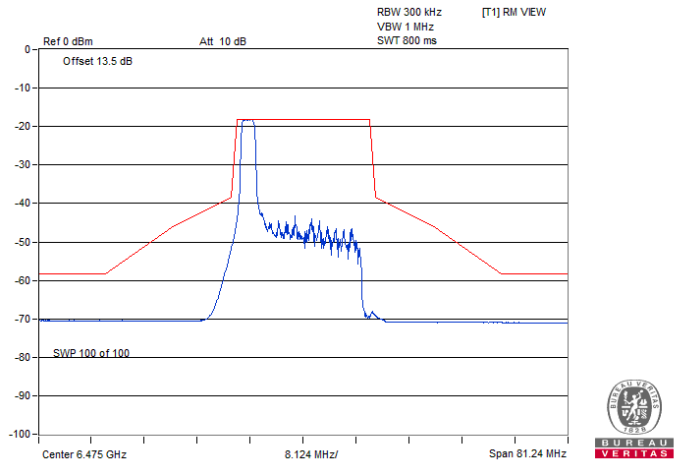


802.11be (EHT320) / Chain 1 : CH 159

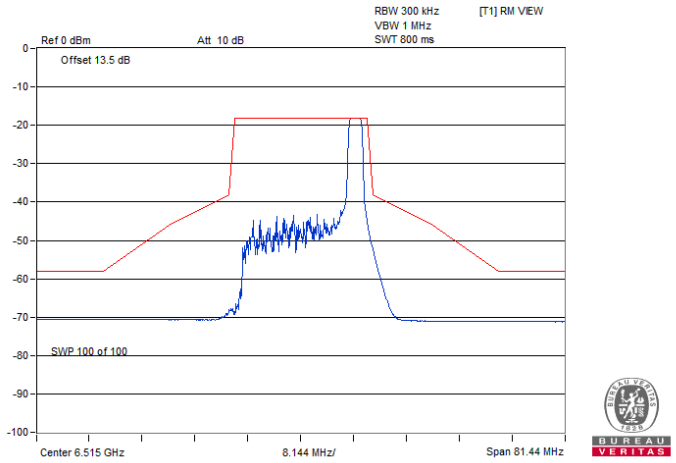


802.11be (EHT320) / Chain 1 : CH 191

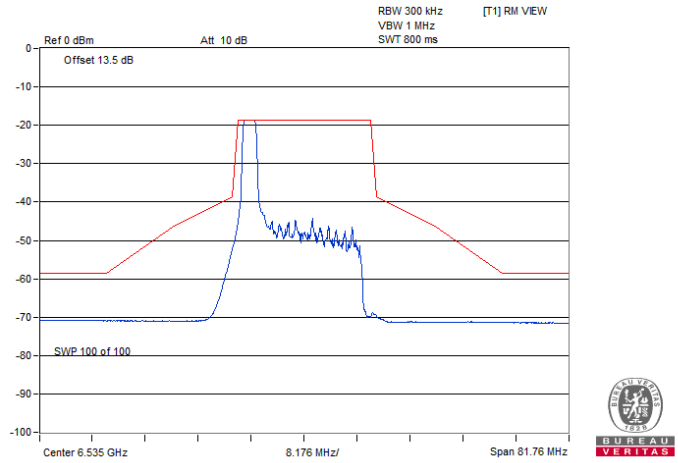
802.11be (EHT20) 26-tone RU

Spectrum Plot	
	
802.11be (EHT20) 26-tone RU / Chain 0 : CH 2@0	802.11be (EHT20) 26-tone RU / Chain 0 : CH 1@0
	
802.11be (EHT20) 26-tone RU / Chain 0 : CH 45@0	802.11be (EHT20) 26-tone RU / Chain 0 : CH 93@8
	
802.11be (EHT20) 26-tone RU / Chain 0 : CH 97@0	802.11be (EHT20) 26-tone RU / Chain 0 : CH 105@0

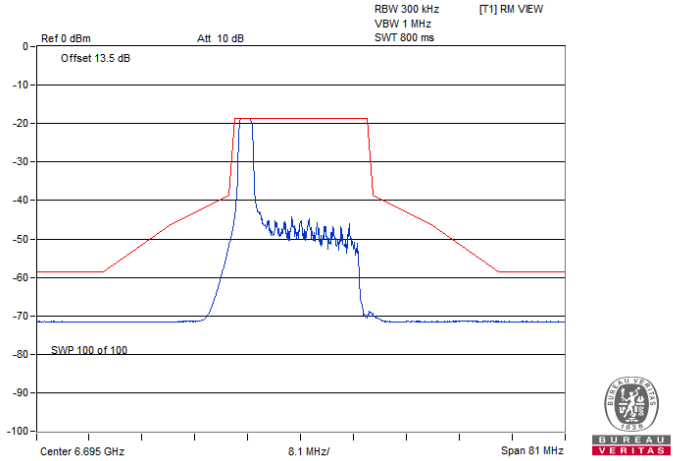
Spectrum Plot



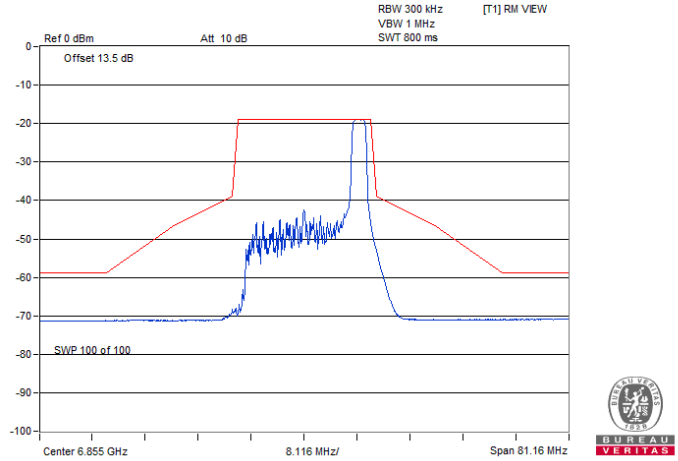
802.11be (EHT20) 26-tone RU / Chain 0 : CH 113@8



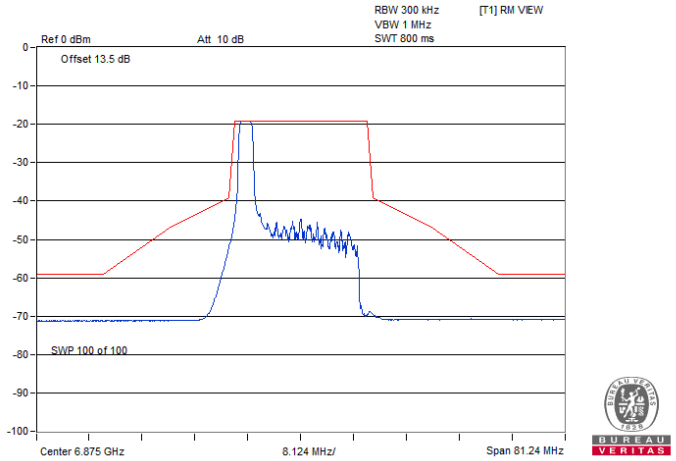
802.11be (EHT20) 26-tone RU / Chain 0 : CH 117@0



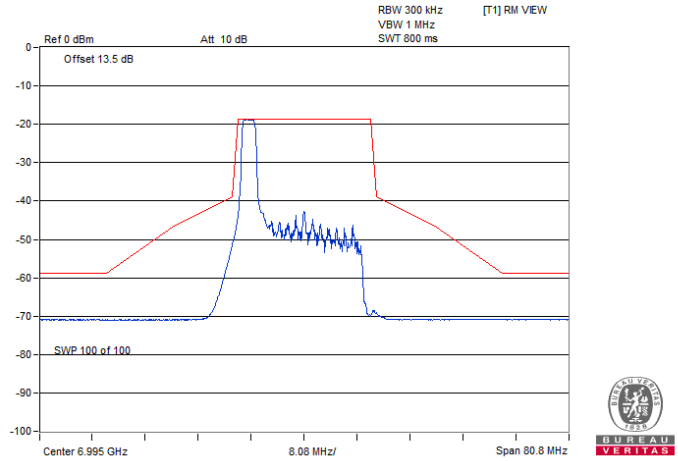
802.11be (EHT20) 26-tone RU / Chain 0 : CH 149@0



802.11be (EHT20) 26-tone RU / Chain 0 : CH 181@8

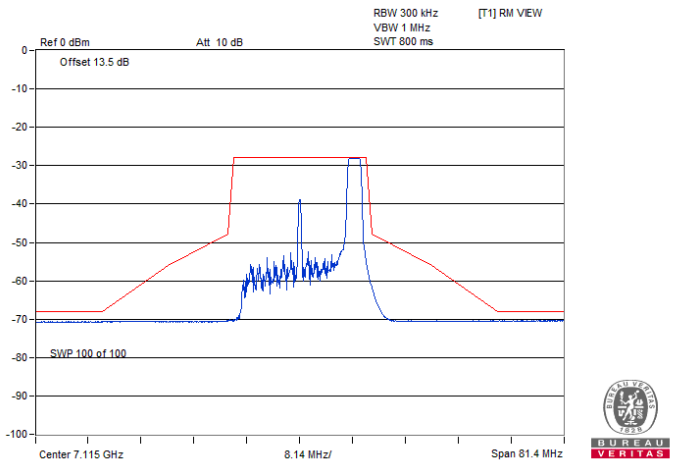


802.11be (EHT20) 26-tone RU / Chain 0 : CH 185@0

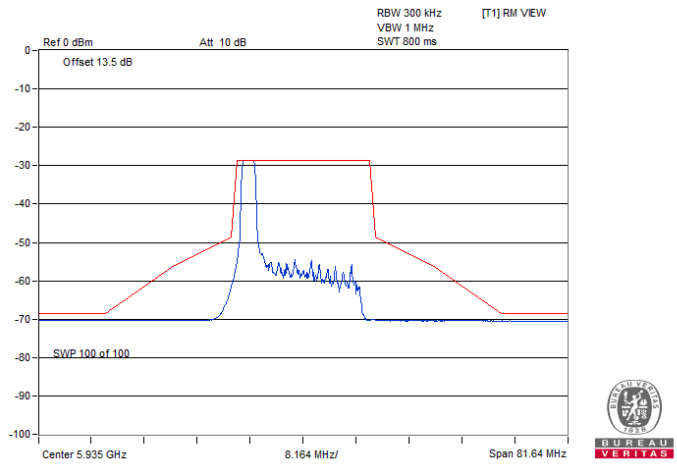


802.11be (EHT20) 26-tone RU / Chain 0 : CH 209@0

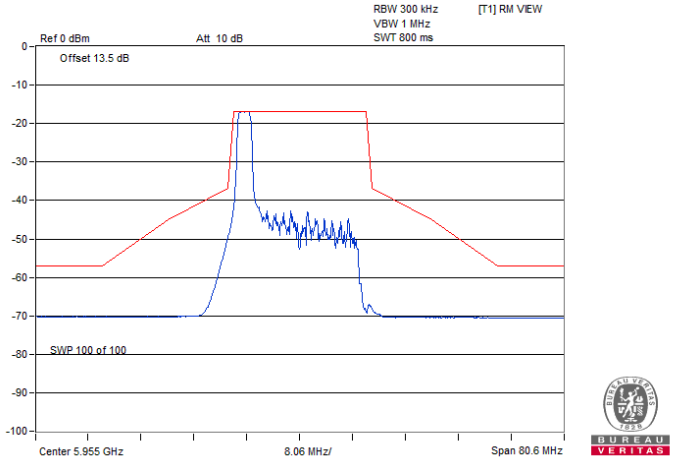
Spectrum Plot



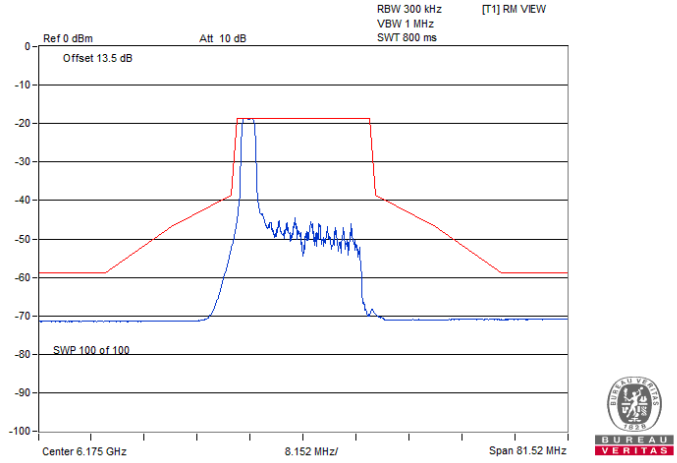
802.11be (EHT20) 26-tone RU / Chain 0 : CH 233@8



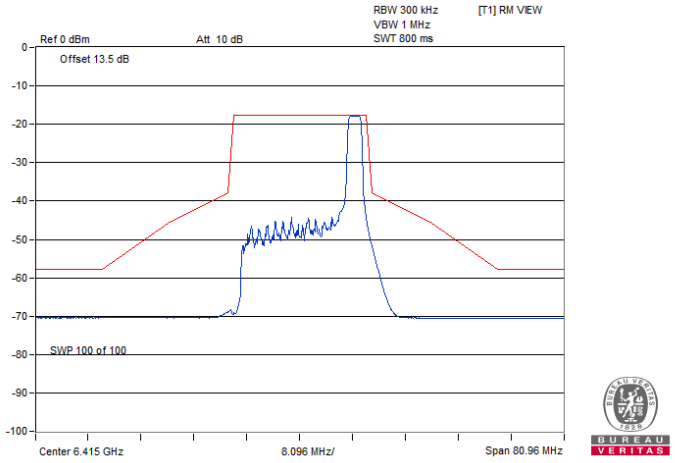
802.11be (EHT20) 26-tone RU / Chain 1 : CH 2@0



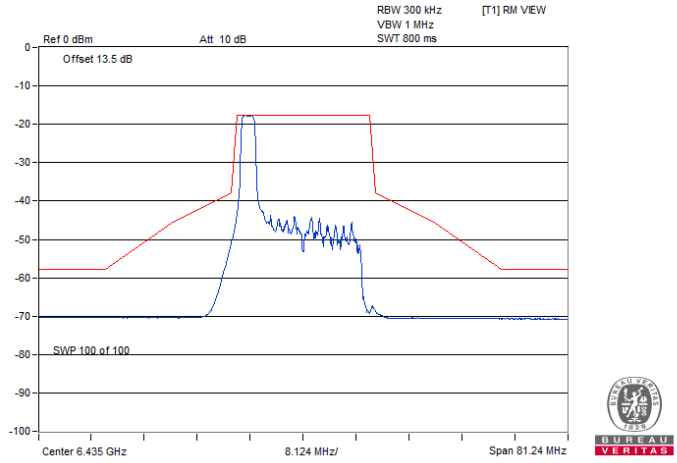
802.11be (EHT20) 26-tone RU / Chain 1 : CH 1@0



802.11be (EHT20) 26-tone RU / Chain 1 : CH 45@0

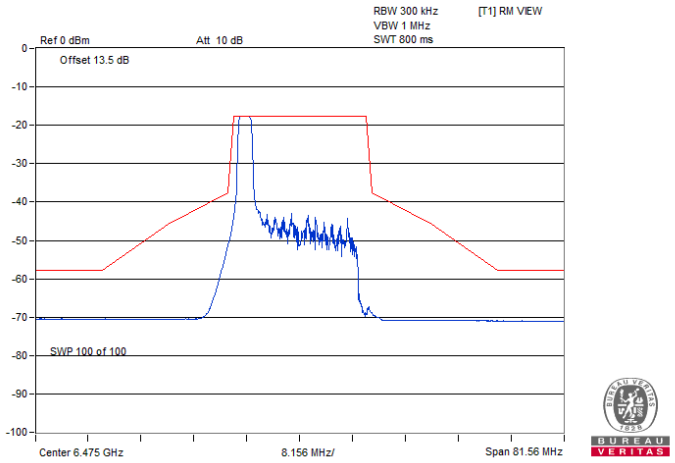


802.11be (EHT20) 26-tone RU / Chain 1 : CH 93@8

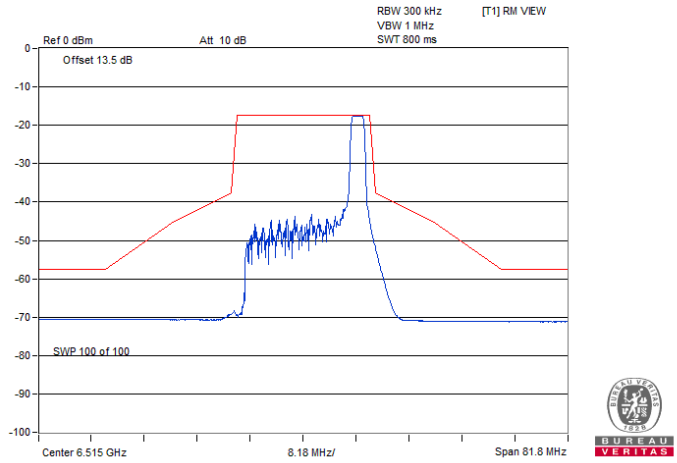


802.11be (EHT20) 26-tone RU / Chain 1 : CH 97@0

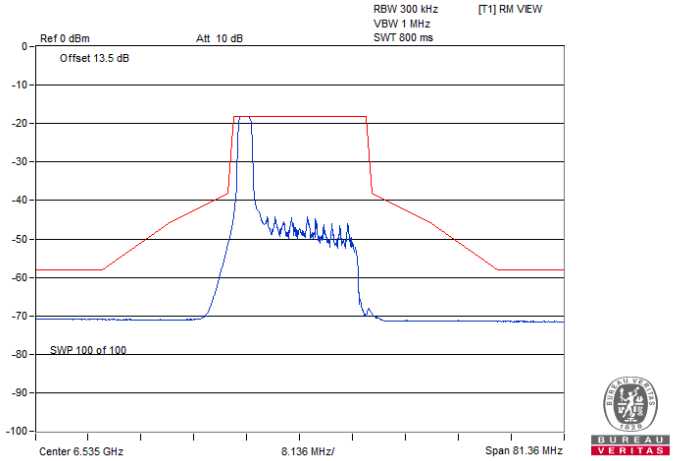
Spectrum Plot



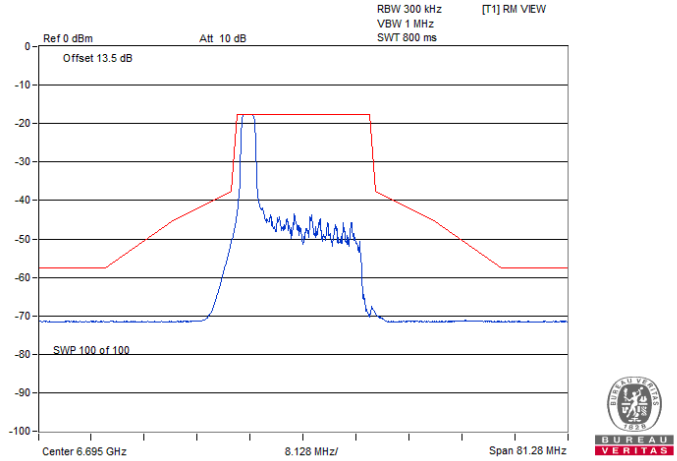
802.11be (EHT20) 26-tone RU / Chain 1 : CH 105@0



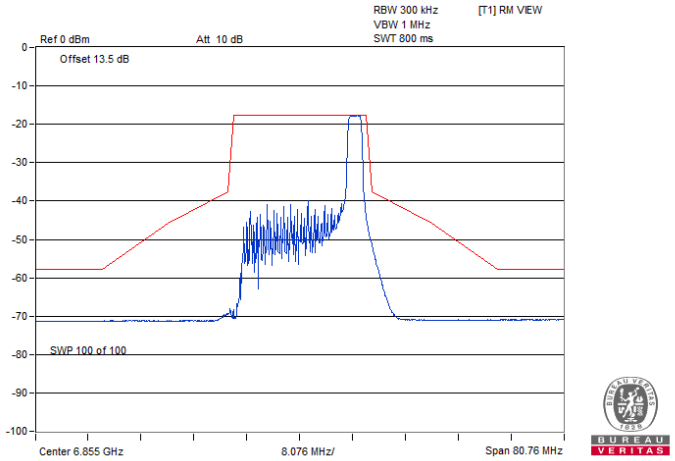
802.11be (EHT20) 26-tone RU / Chain 1 : CH 113@8



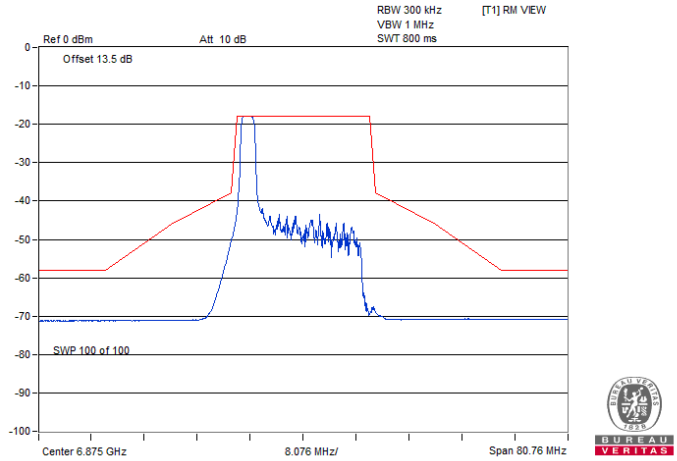
802.11be (EHT20) 26-tone RU / Chain 1 : CH 117@0



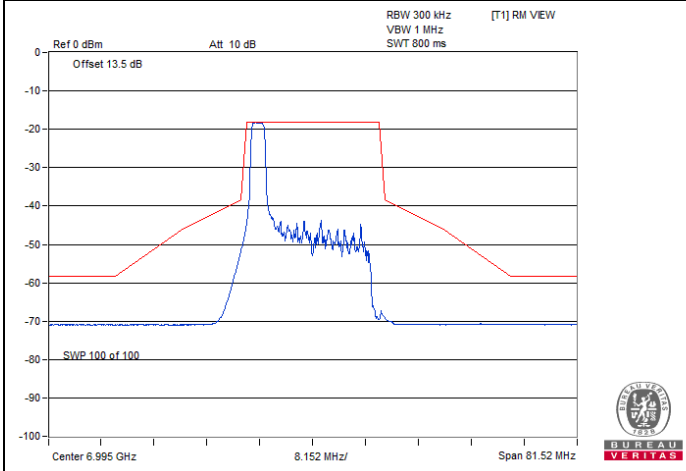
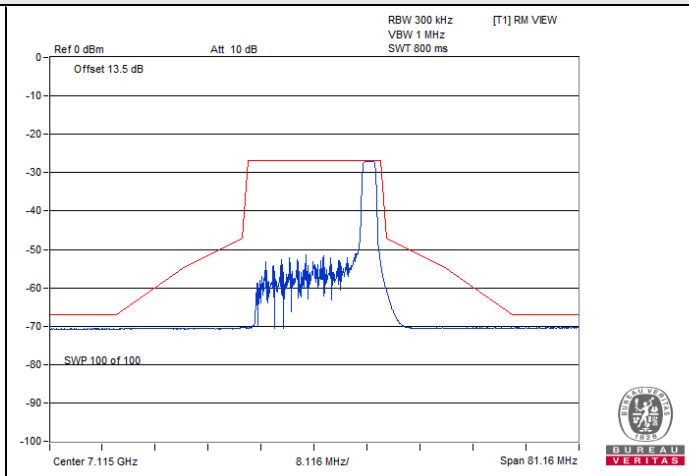
802.11be (EHT20) 26-tone RU / Chain 1 : CH 149@0



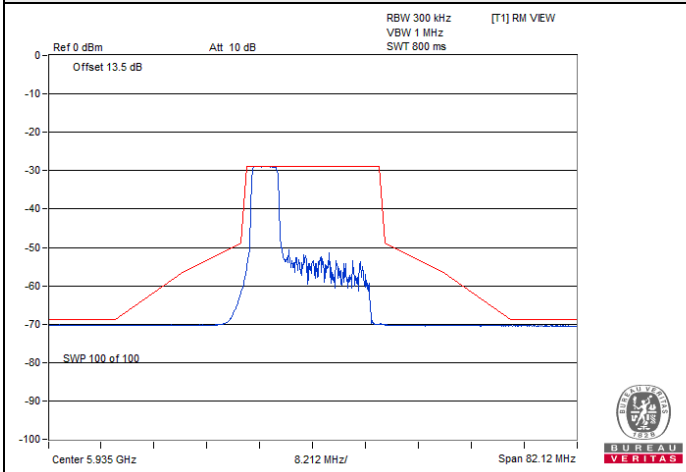
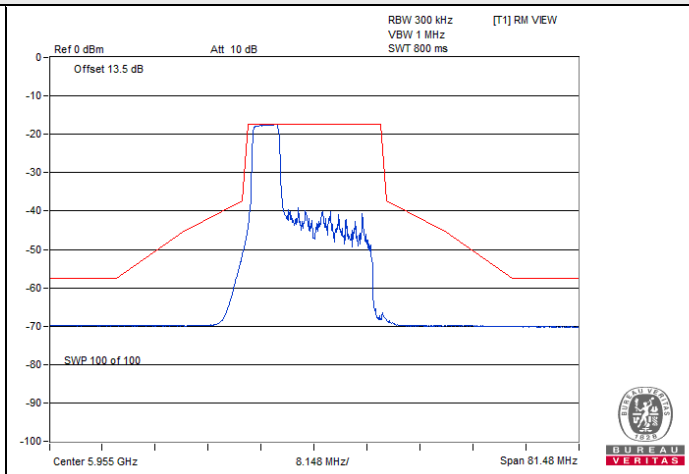
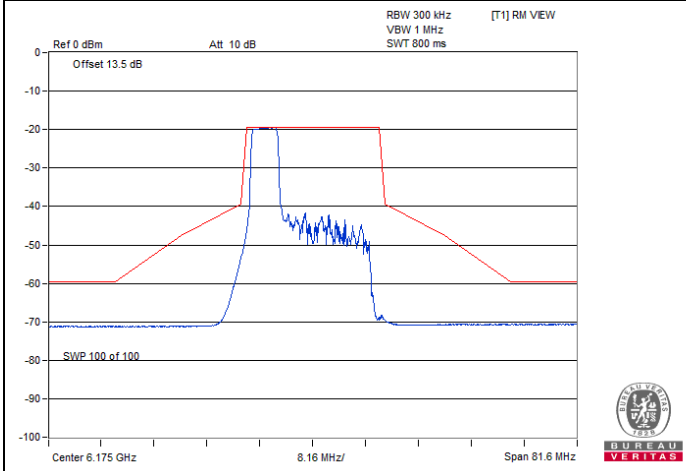
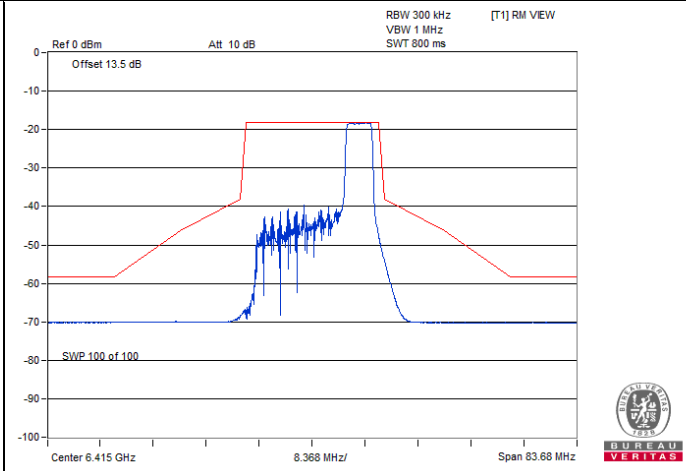
802.11be (EHT20) 26-tone RU / Chain 1 : CH 181@8



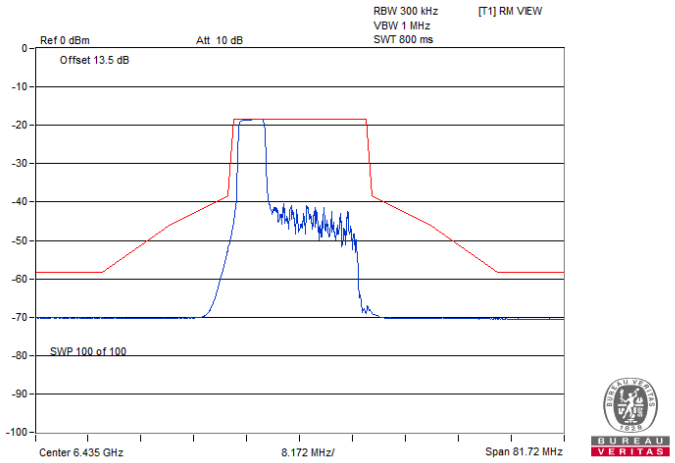
802.11be (EHT20) 26-tone RU / Chain 1 : CH 185@0

Spectrum Plot	
	
802.11be (EHT20) 26-tone RU / Chain 1 : CH 209@0	802.11be (EHT20) 26-tone RU / Chain 1 : CH 233@8

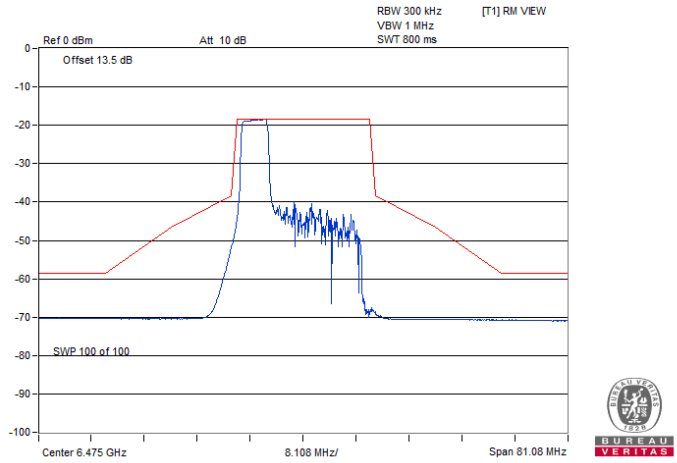
802.11be (EHT20) 52-tone RU

Spectrum Plot	
	
802.11be (EHT20) 52-tone RU / Chain 0 : CH 2@37	802.11be (EHT20) 52-tone RU / Chain 0 : CH 1@37
	
802.11be (EHT20) 52-tone RU / Chain 0 : CH 45@37	802.11be (EHT20) 52-tone RU / Chain 0 : CH 93@40

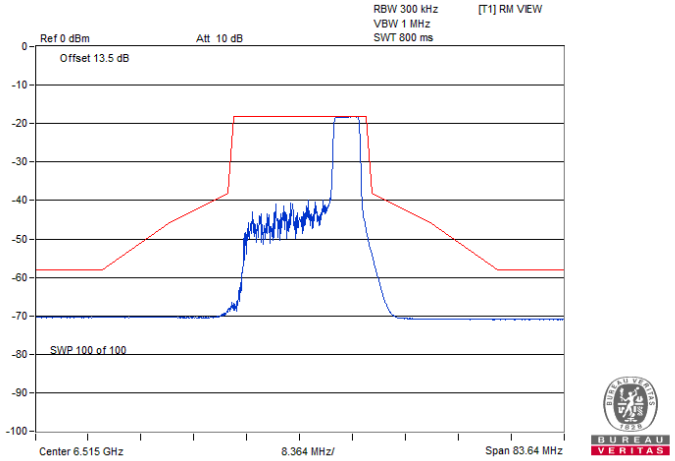
Spectrum Plot



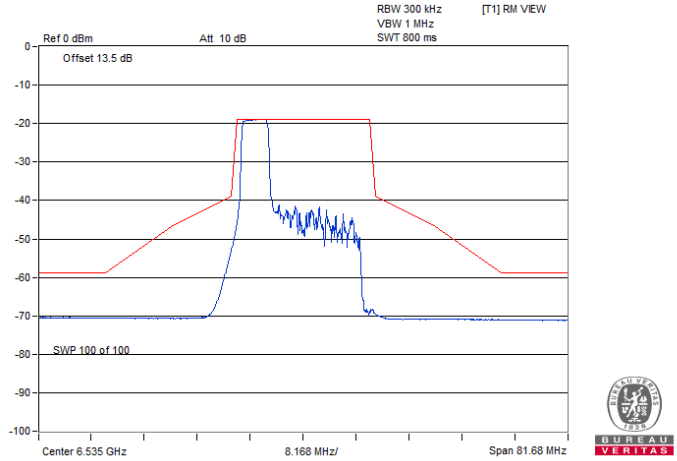
802.11be (EHT20) 52-tone RU / Chain 0 : CH 97@37



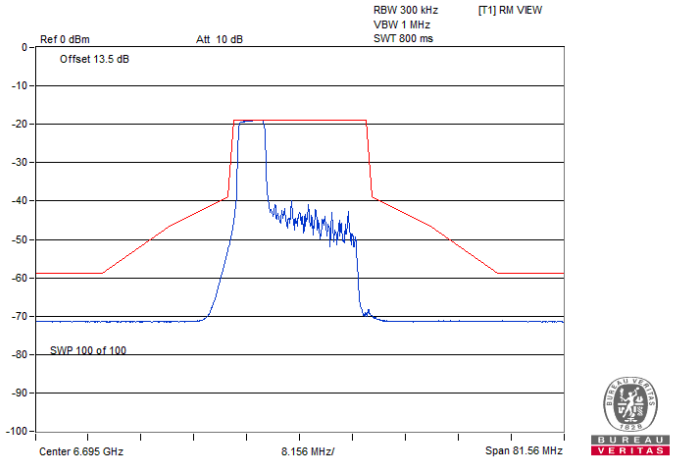
802.11be (EHT20) 52-tone RU / Chain 0 : CH 105@37



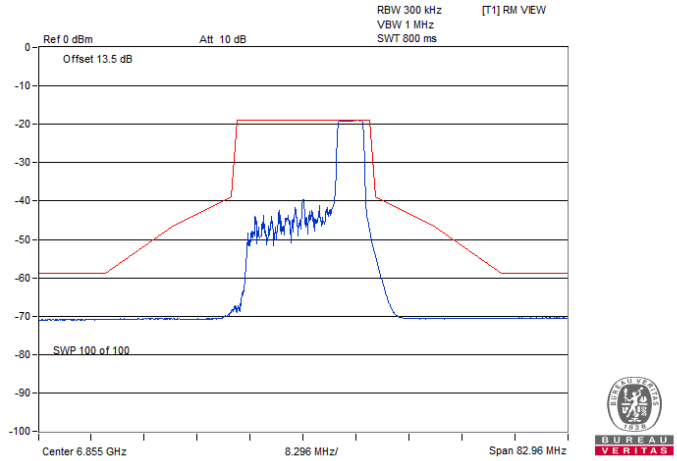
802.11be (EHT20) 52-tone RU / Chain 0 : CH 113@40



802.11be (EHT20) 52-tone RU / Chain 0 : CH 117@37

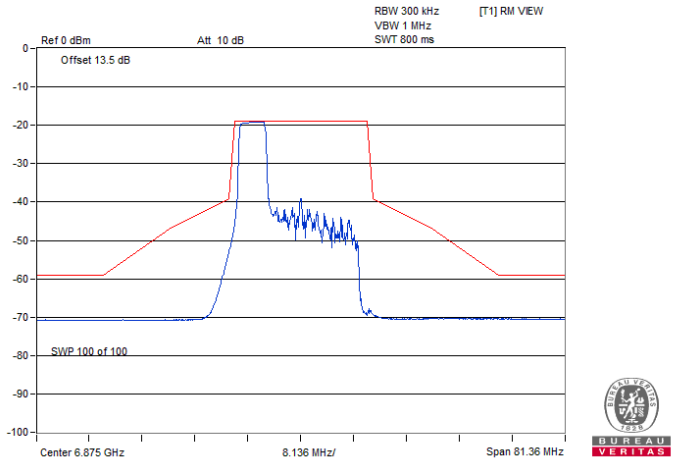


802.11be (EHT20) 52-tone RU / Chain 0 : CH 149@37

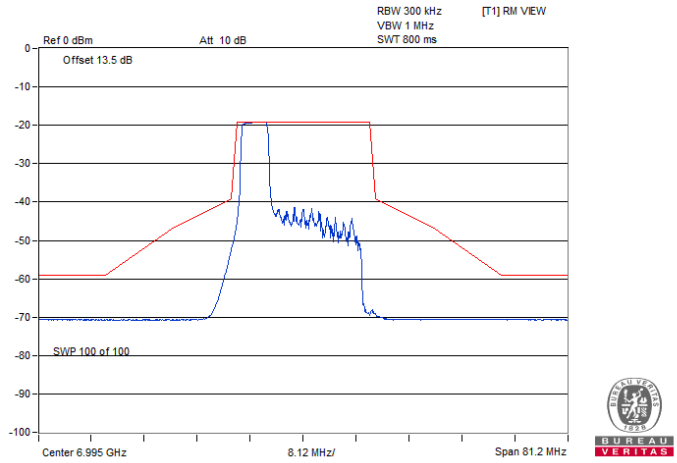


802.11be (EHT20) 52-tone RU / Chain 0 : CH 181@40

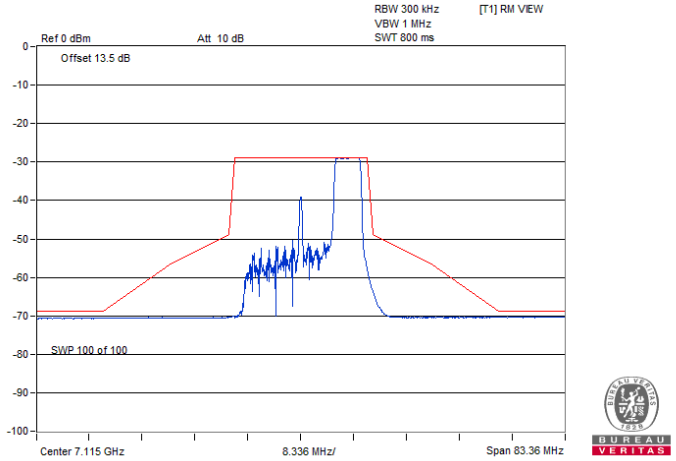
Spectrum Plot



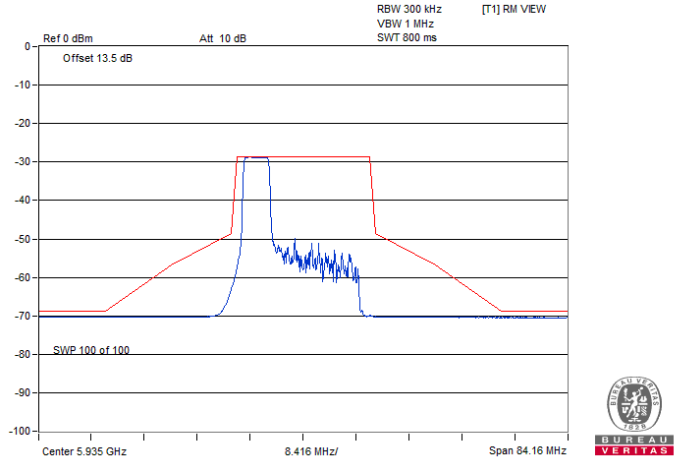
802.11be (EHT20) 52-tone RU / Chain 0 : CH 185@37



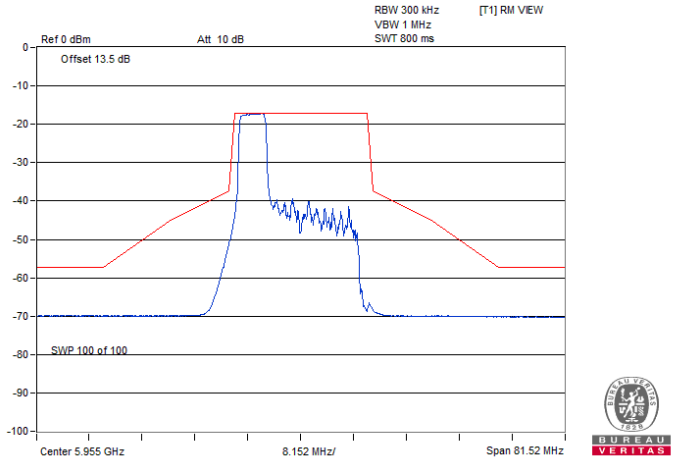
802.11be (EHT20) 52-tone RU / Chain 0 : CH 209@37



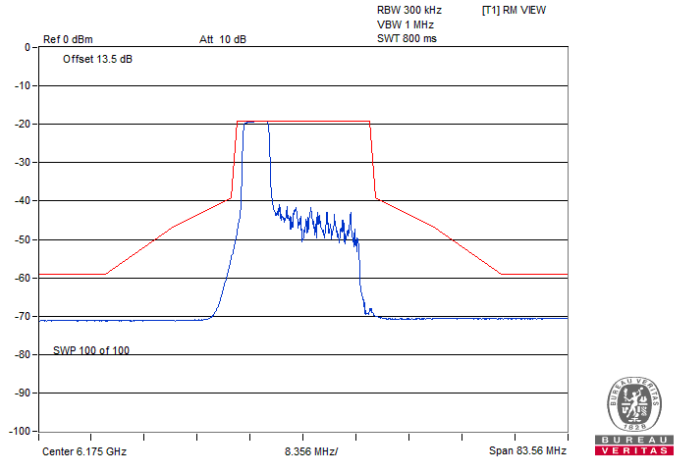
802.11be (EHT20) 52-tone RU / Chain 0 : CH 233@40



802.11be (EHT20) 52-tone RU / Chain 1 : CH 2@37

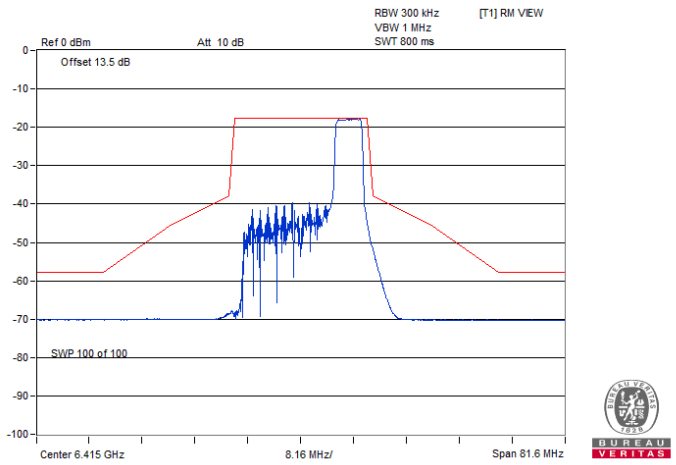


802.11be (EHT20) 52-tone RU / Chain 1 : CH 1@37

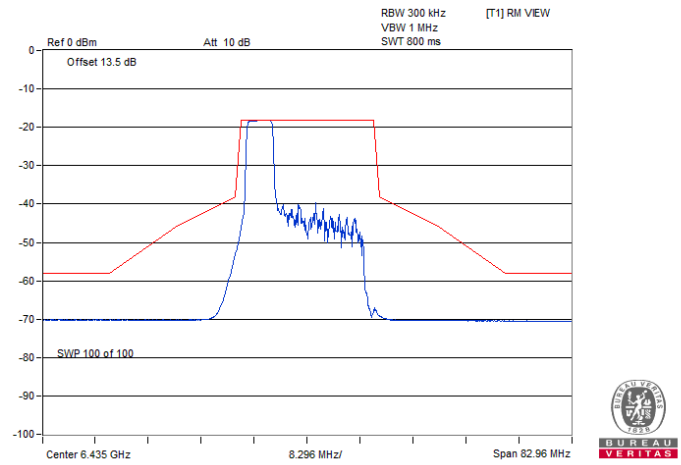


802.11be (EHT20) 52-tone RU / Chain 1 : CH 45@37

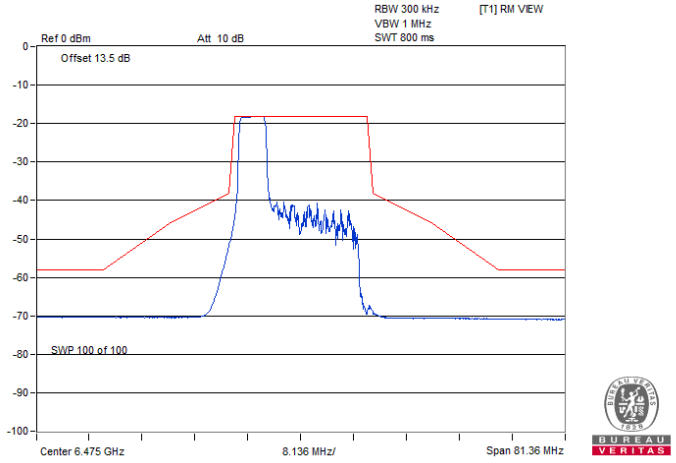
Spectrum Plot



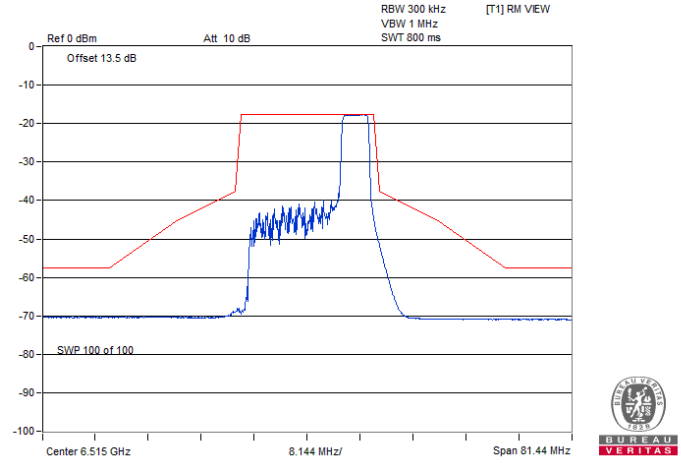
802.11be (EHT20) 52-tone RU / Chain 1 : CH 93@40



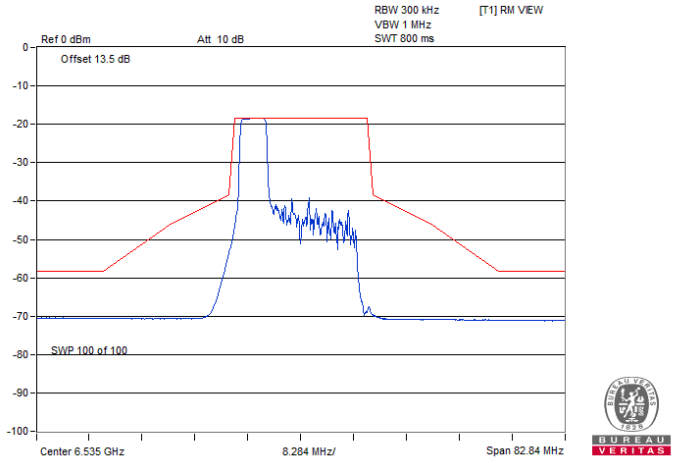
802.11be (EHT20) 52-tone RU / Chain 1 : CH 97@37



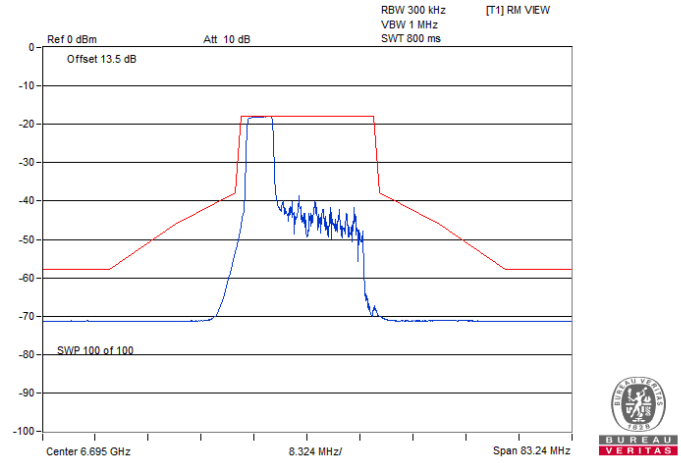
802.11be (EHT20) 52-tone RU / Chain 1 : CH 105@37



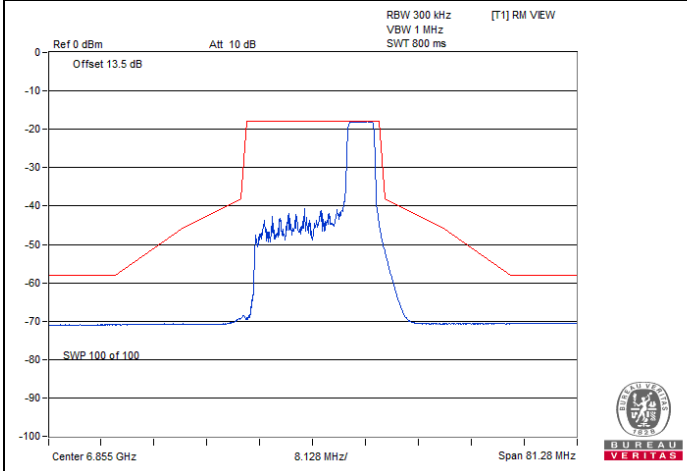
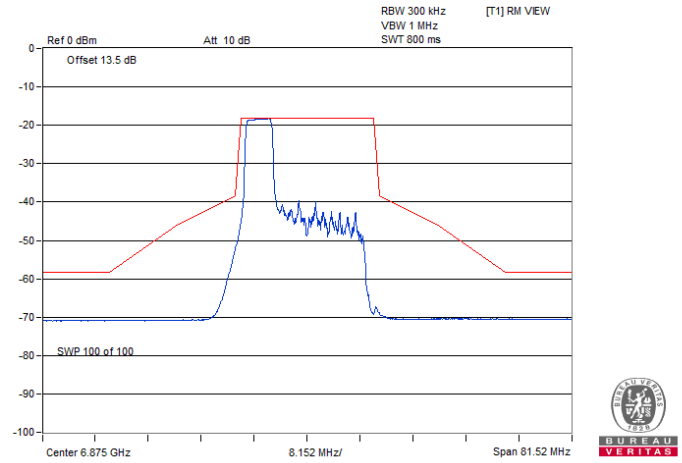
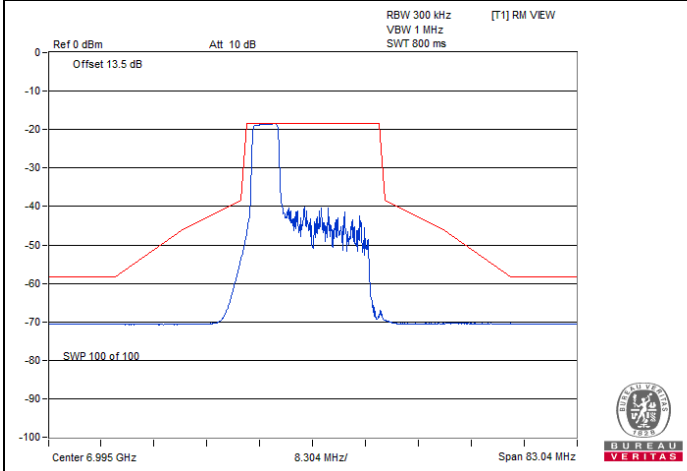
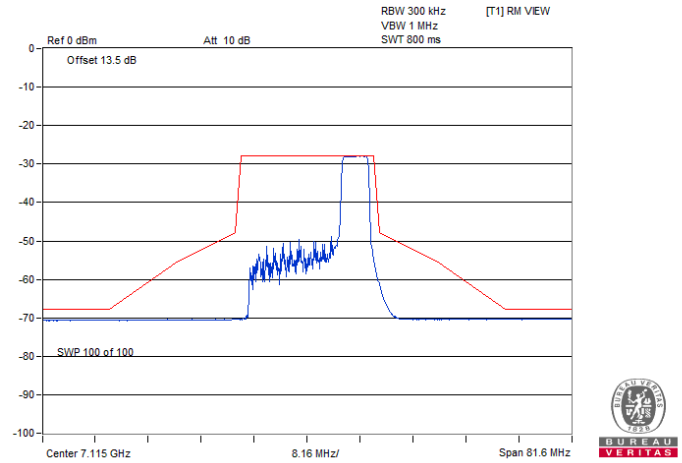
802.11be (EHT20) 52-tone RU / Chain 1 : CH 113@40



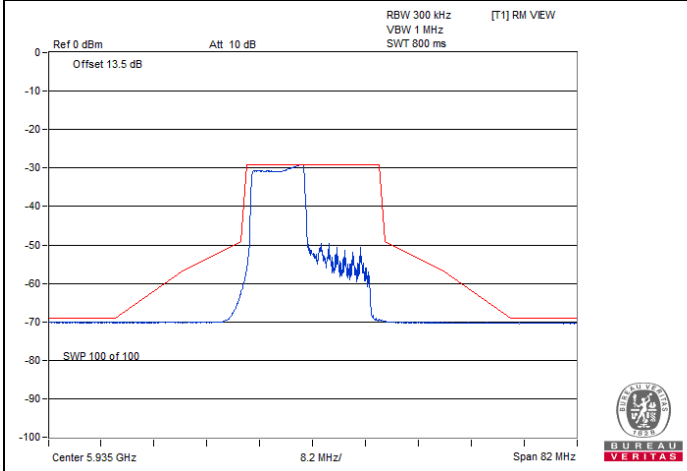
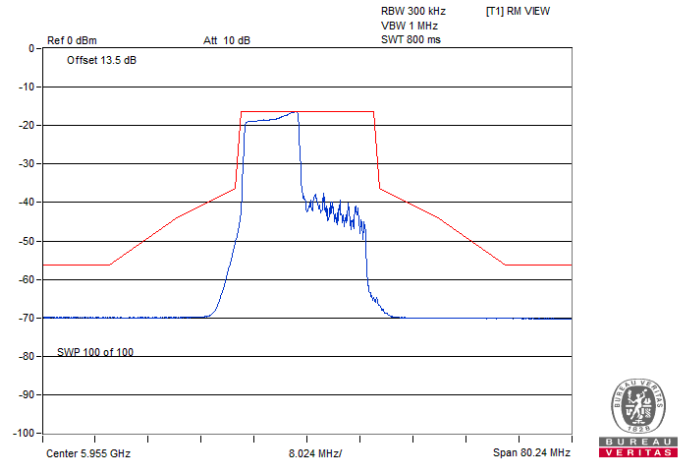
802.11be (EHT20) 52-tone RU / Chain 1 : CH 117@37



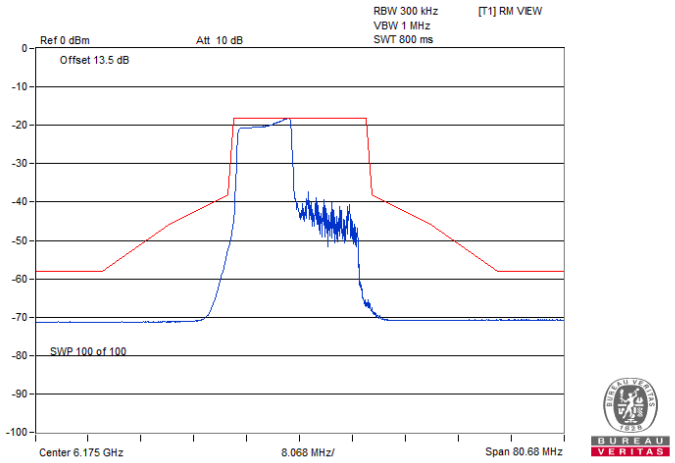
802.11be (EHT20) 52-tone RU / Chain 1 : CH 149@37

Spectrum Plot	
	
802.11be (EHT20) 52-tone RU / Chain 1 : CH 181@40	802.11be (EHT20) 52-tone RU / Chain 1 : CH 185@37
	
802.11be (EHT20) 52-tone RU / Chain 1 : CH 209@37	802.11be (EHT20) 52-tone RU / Chain 1 : CH 233@40

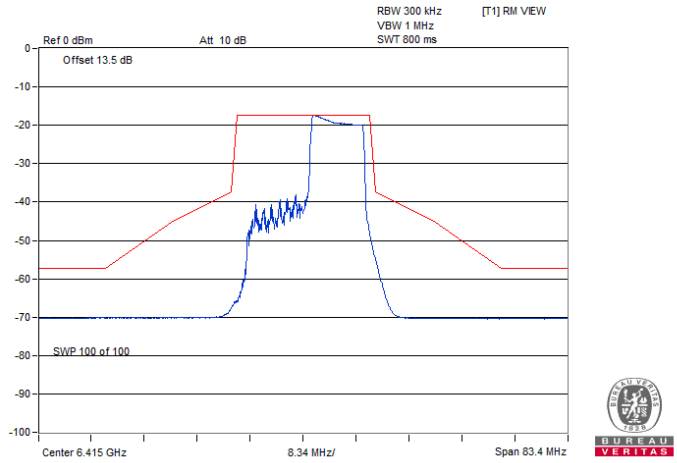
802.11be (EHT20) 106-tone RU

Spectrum Plot	
	
802.11be (EHT20) 106-tone RU / Chain 0 : CH 2@53	802.11be (EHT20) 106-tone RU / Chain 0 : CH 1@53

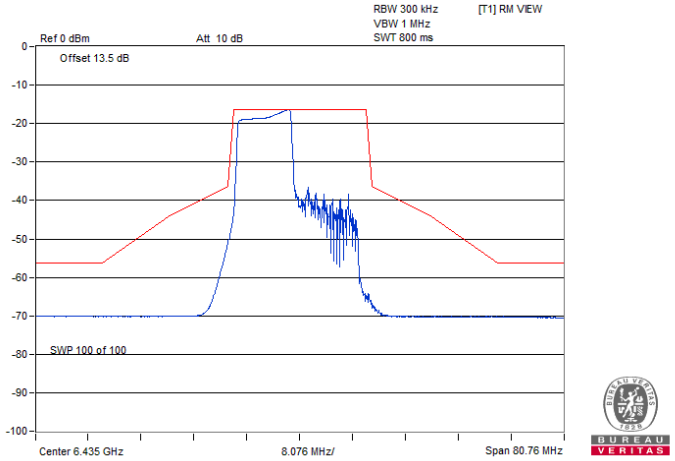
Spectrum Plot



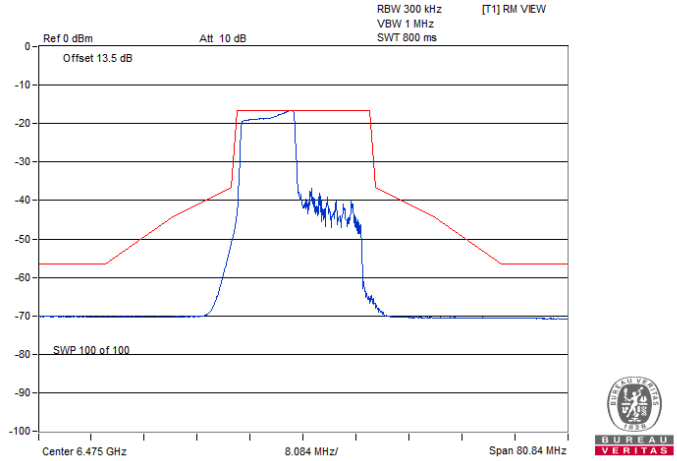
802.11be (EHT20) 106-tone RU / Chain 0 : CH 45@53



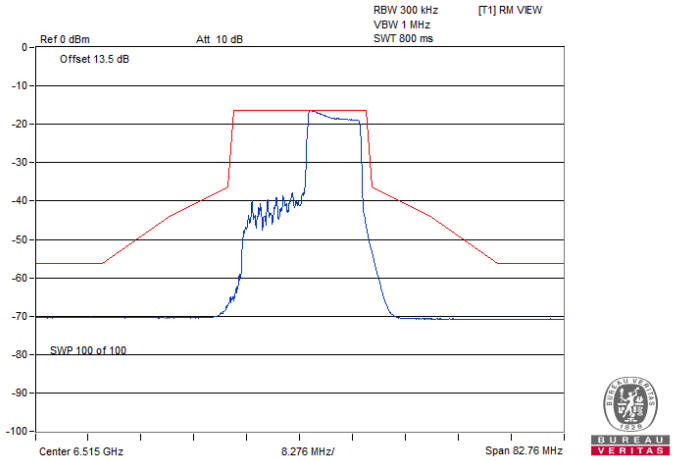
802.11be (EHT20) 106-tone RU / Chain 0 : CH 93@54



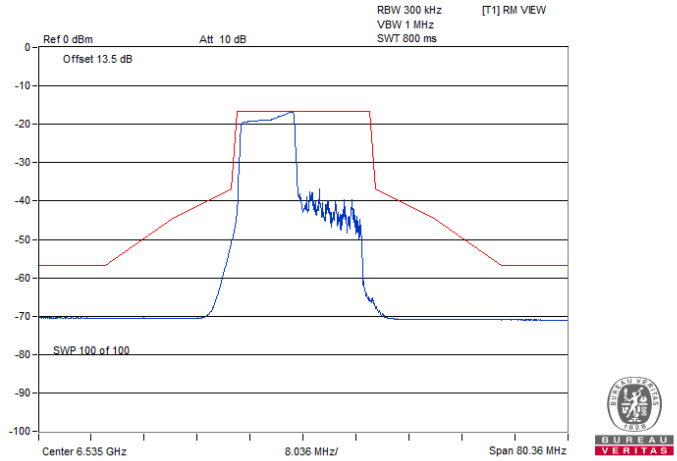
802.11be (EHT20) 106-tone RU / Chain 0 : CH 97@53



802.11be (EHT20) 106-tone RU / Chain 0 : CH 105@53

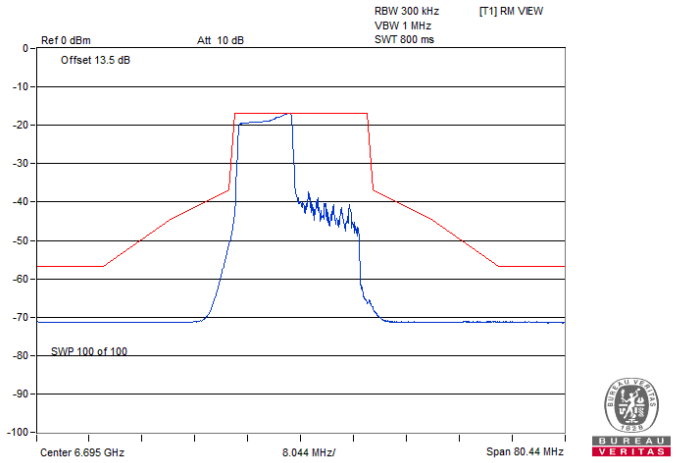


802.11be (EHT20) 106-tone RU / Chain 0 : CH 113@54

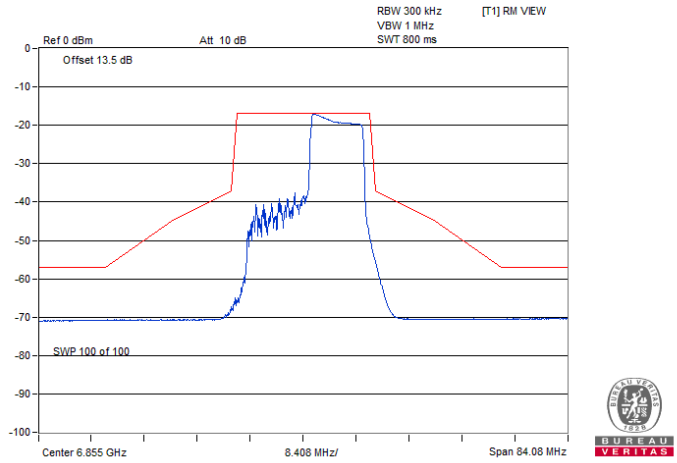


802.11be (EHT20) 106-tone RU / Chain 0 : CH 117@53

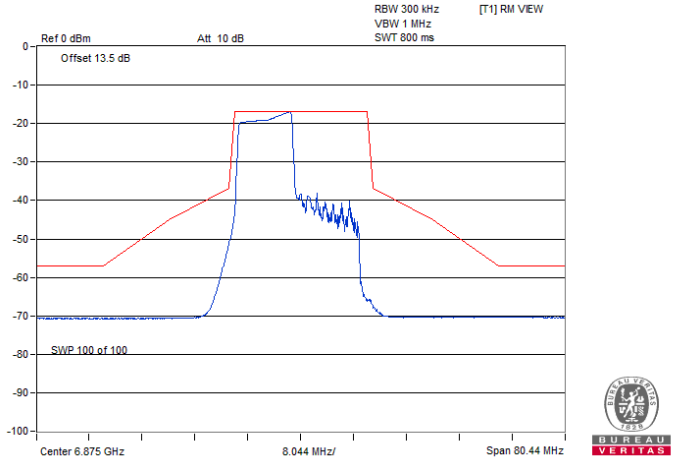
Spectrum Plot



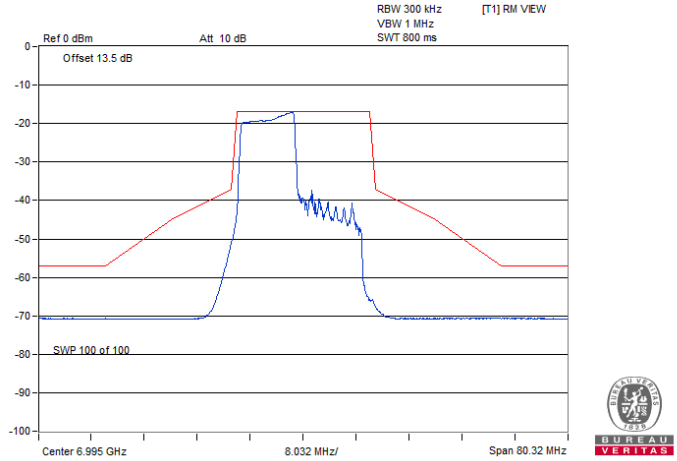
802.11be (EHT20) 106-tone RU / Chain 0 : CH 149@53



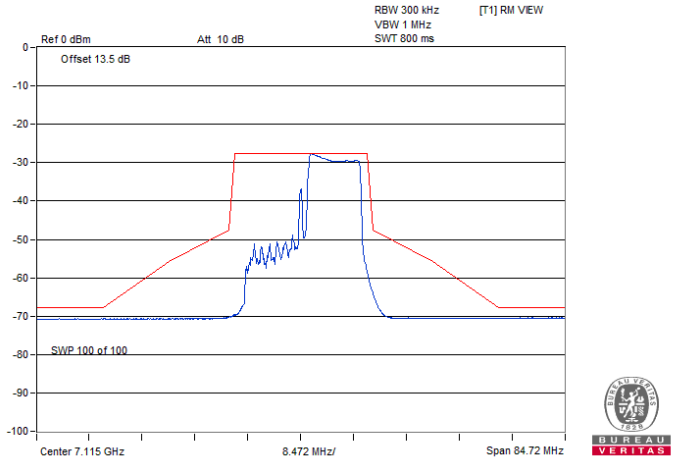
802.11be (EHT20) 106-tone RU / Chain 0 : CH 181@54



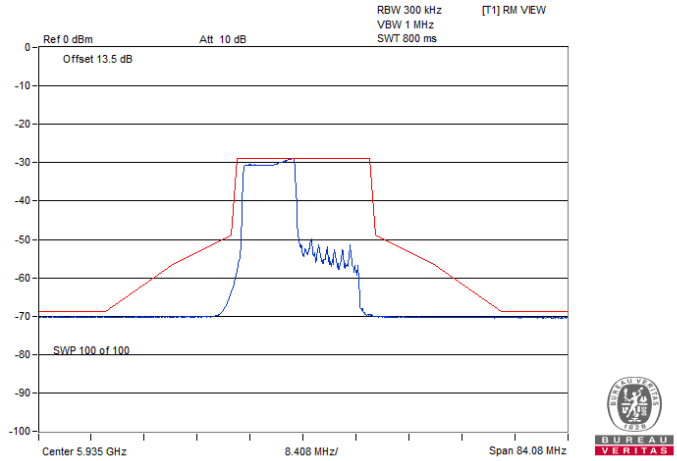
802.11be (EHT20) 106-tone RU / Chain 0 : CH 185@53



802.11be (EHT20) 106-tone RU / Chain 0 : CH 209@53

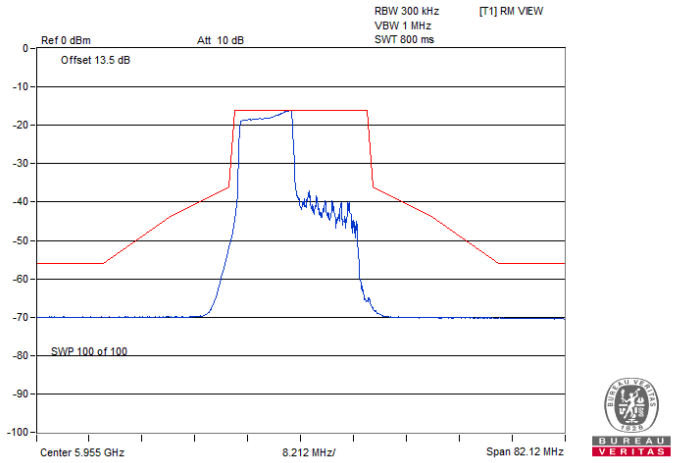


802.11be (EHT20) 106-tone RU / Chain 0 : CH 233@54

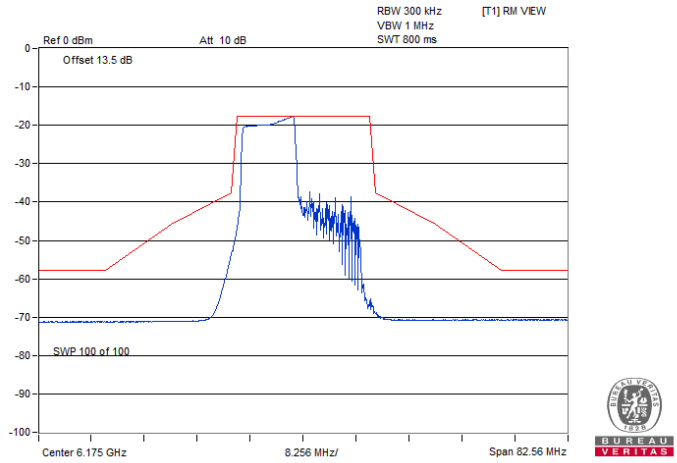


802.11be (EHT20) 106-tone RU / Chain 1 : CH 2@53

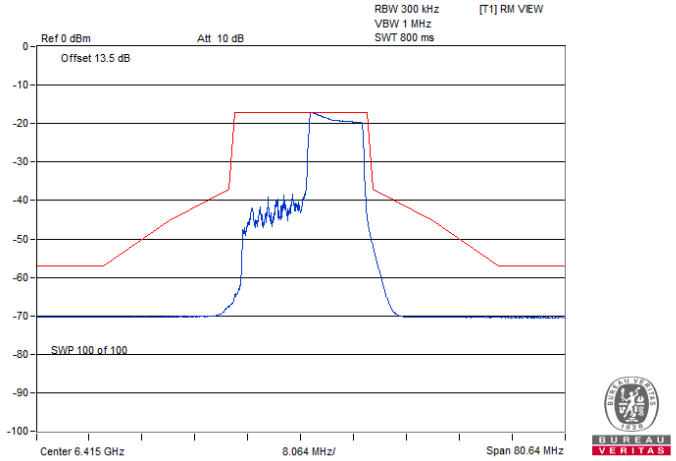
Spectrum Plot



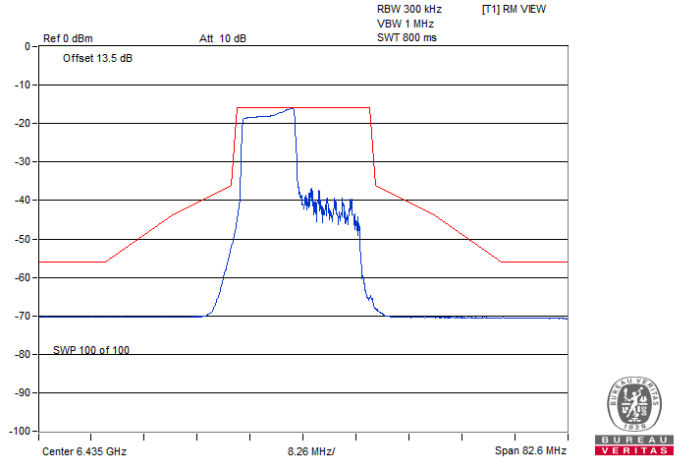
802.11be (EHT20) 106-tone RU / Chain 1 : CH 1@53



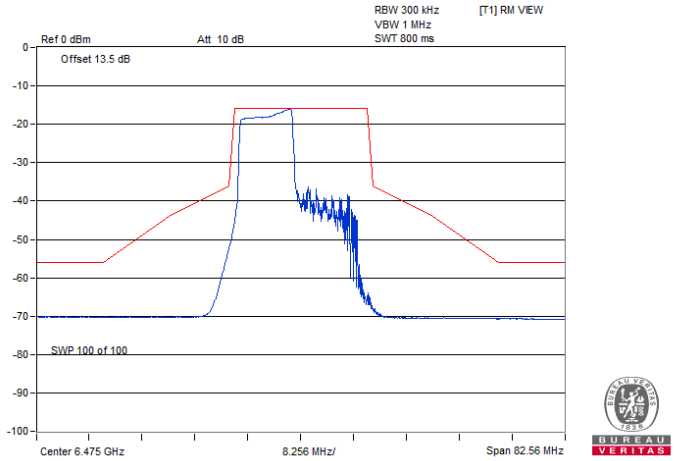
802.11be (EHT20) 106-tone RU / Chain 1 : CH 45@53



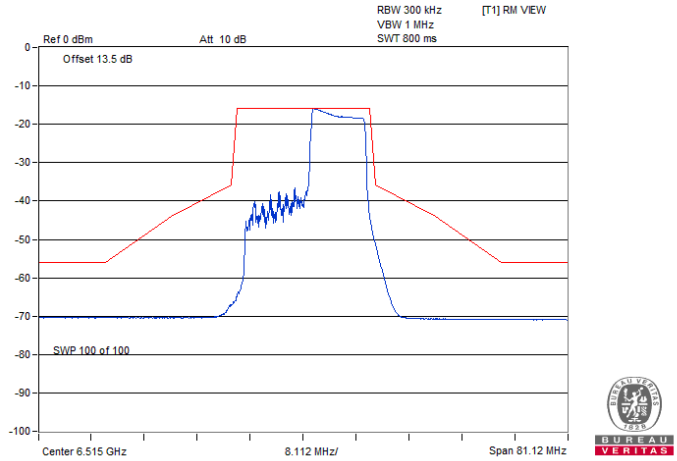
802.11be (EHT20) 106-tone RU / Chain 1 : CH 93@54



802.11be (EHT20) 106-tone RU / Chain 1 : CH 97@53

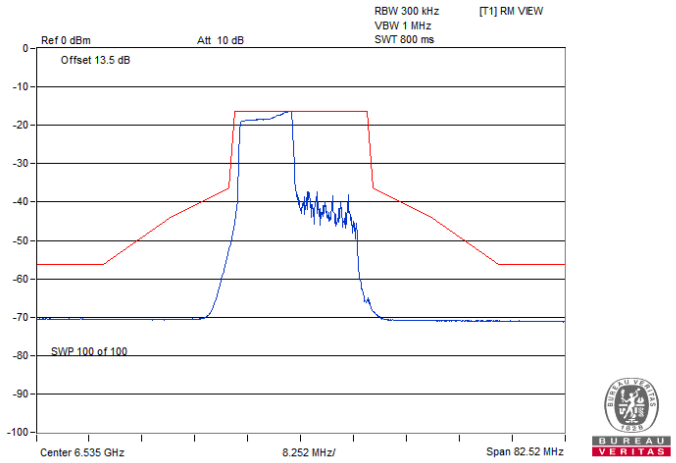


802.11be (EHT20) 106-tone RU / Chain 1 : CH 105@53

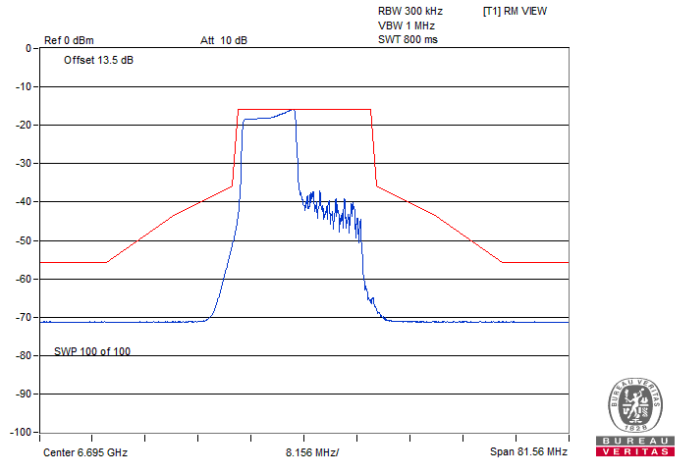


802.11be (EHT20) 106-tone RU / Chain 1 : CH 113@54

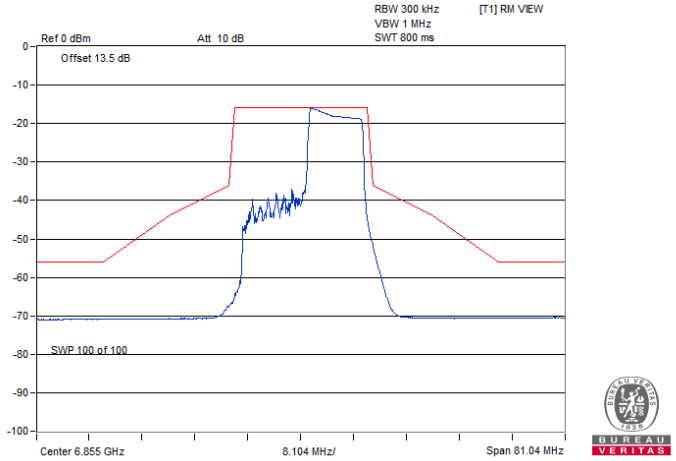
Spectrum Plot



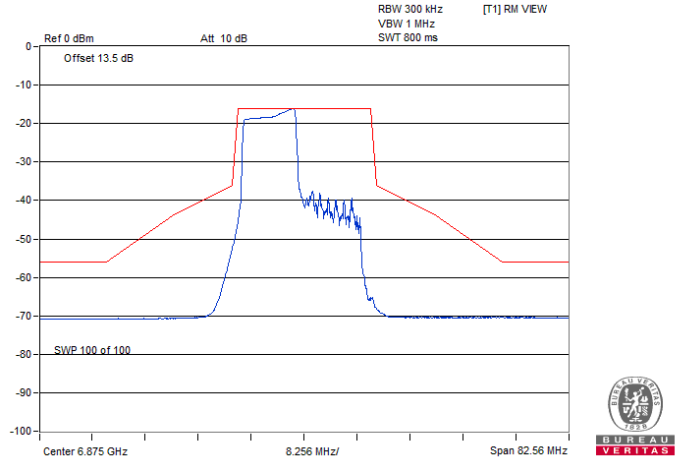
802.11be (EHT20) 106-tone RU / Chain 1 : CH 117@53



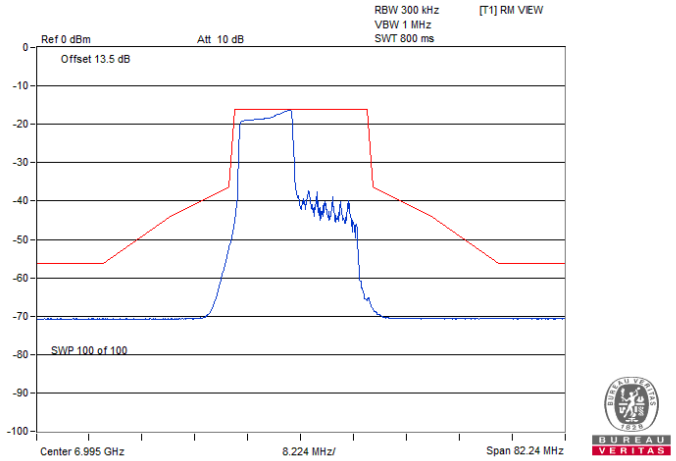
802.11be (EHT20) 106-tone RU / Chain 1 : CH 149@53



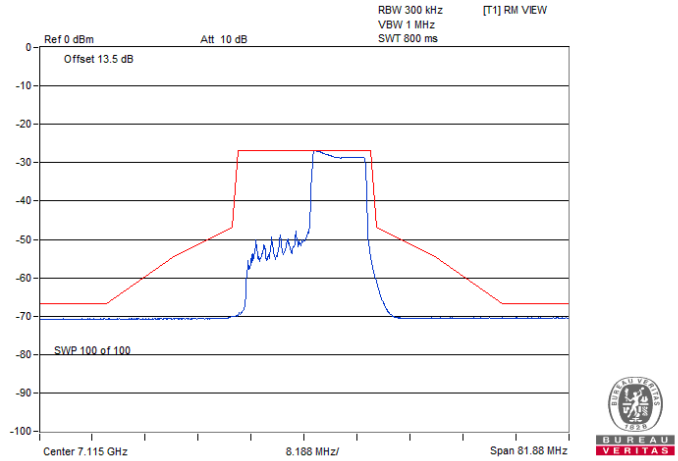
802.11be (EHT20) 106-tone RU / Chain 1 : CH 181@54



802.11be (EHT20) 106-tone RU / Chain 1 : CH 185@53



802.11be (EHT20) 106-tone RU / Chain 1 : CH 209@53

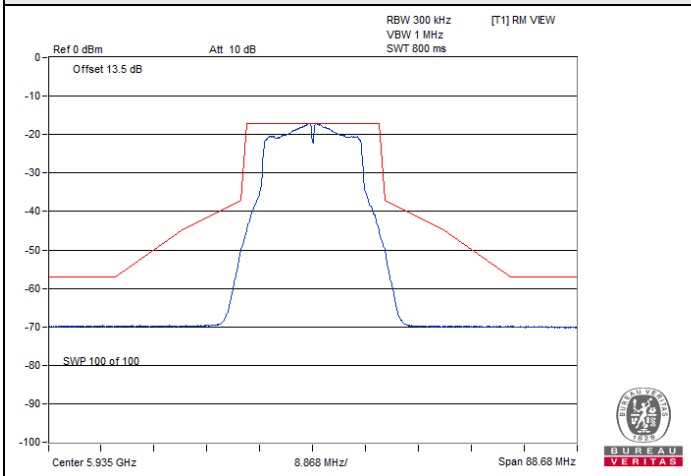
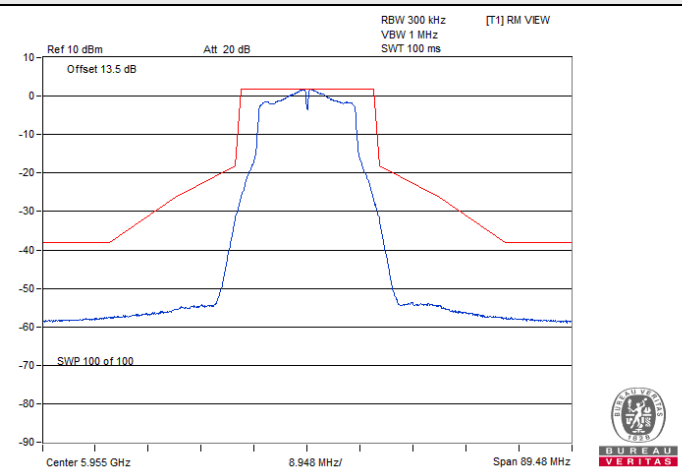
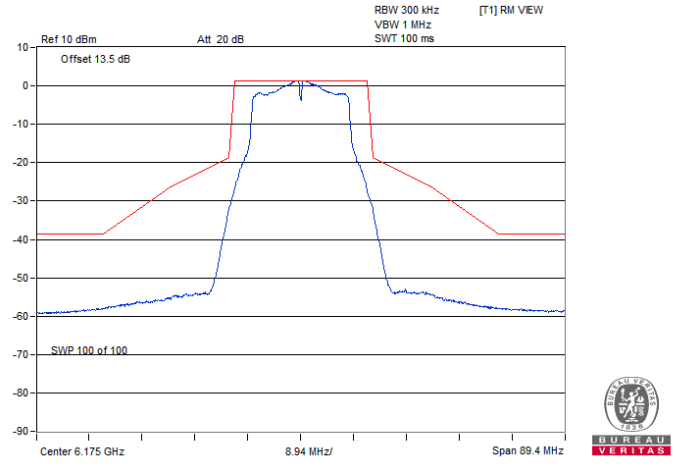
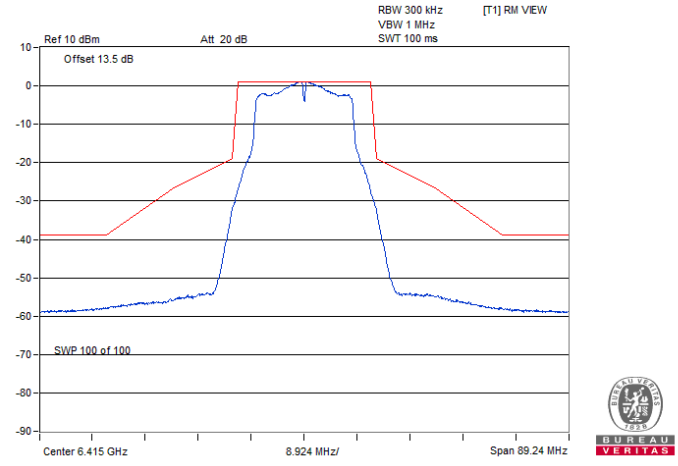
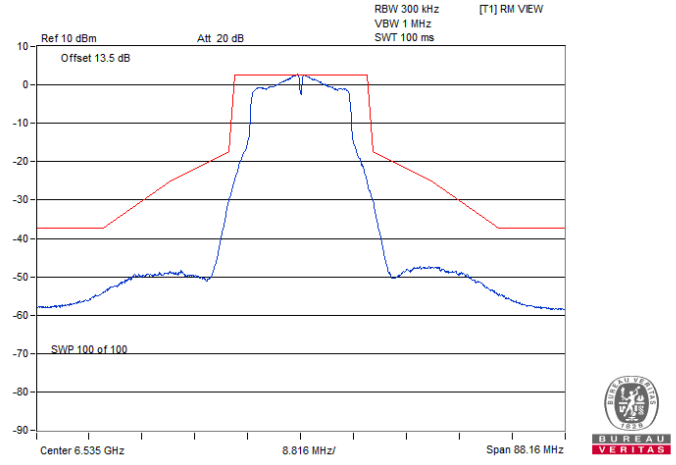
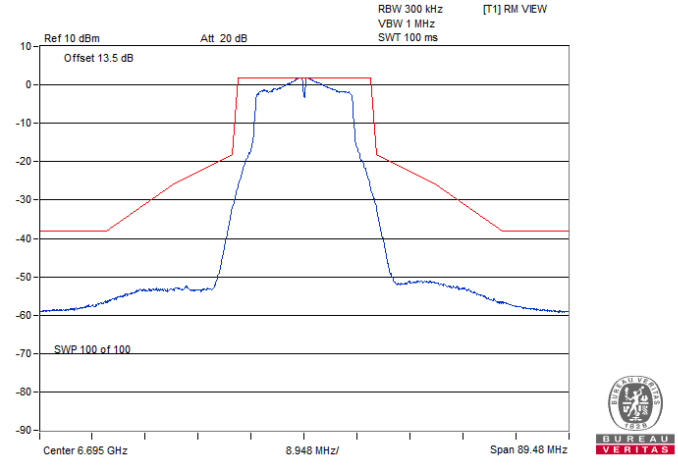


802.11be (EHT20) 106-tone RU / Chain 1 : CH 233@54

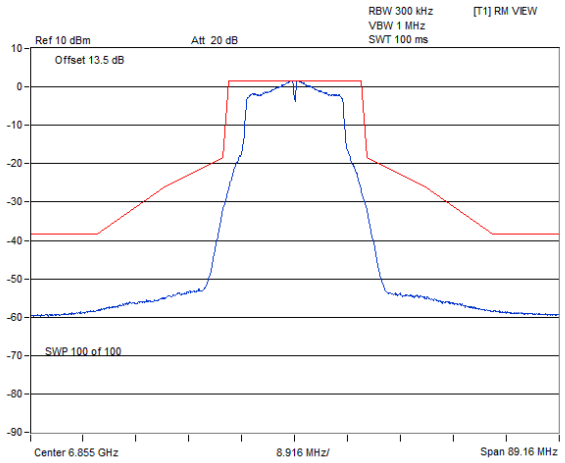
Mode C

Input Power:	3.3 Vdc	Environmental Conditions:	24°C, 62% RH	Tested By:	Eric Peng

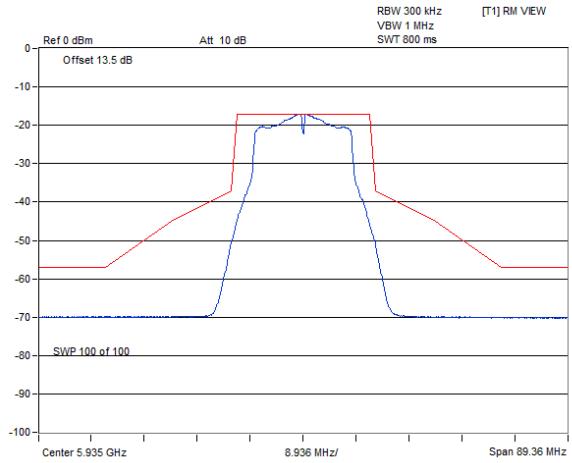
802.11a

Spectrum Plot	
	
802.11a / Chain 0 : CH 2	802.11a / Chain 0 : CH 1
	
802.11a / Chain 0 : CH 45	802.11a / Chain 0 : CH 93
	
802.11a / Chain 0 : CH 117	802.11a / Chain 0 : CH 149

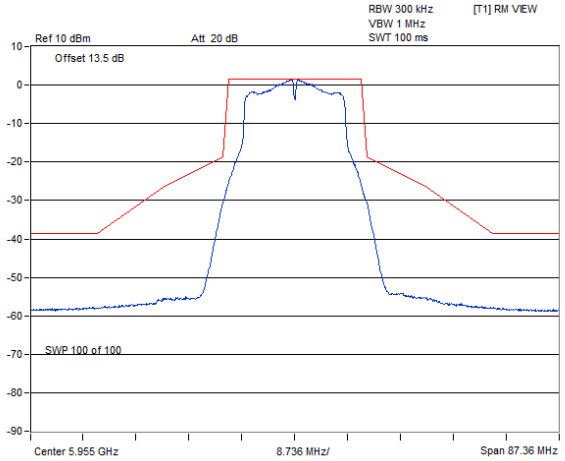
Spectrum Plot



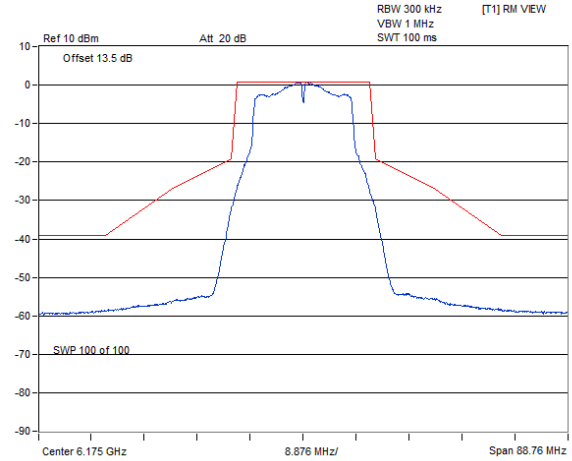
802.11a / Chain 0 : CH 181



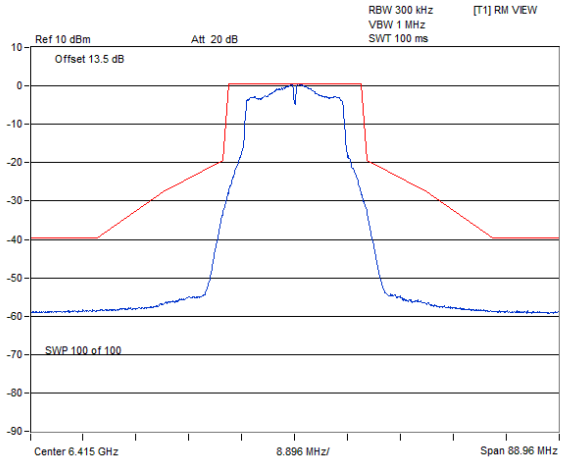
802.11a / Chain 1 : CH 2



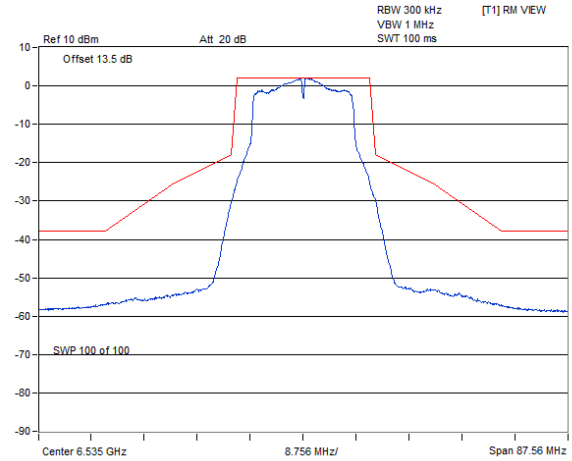
802.11a / Chain 1 : CH 1



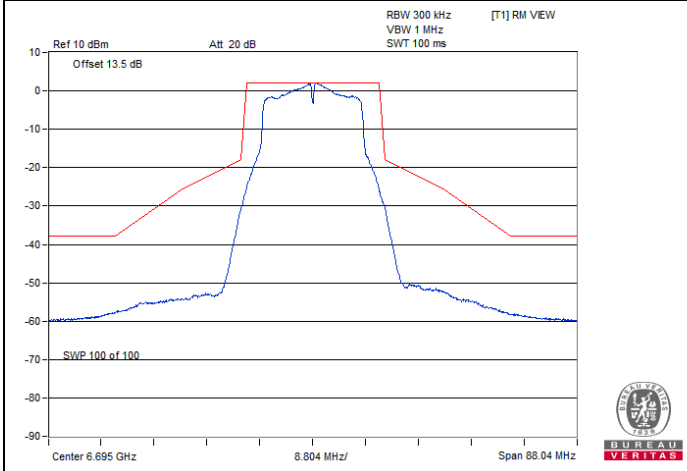
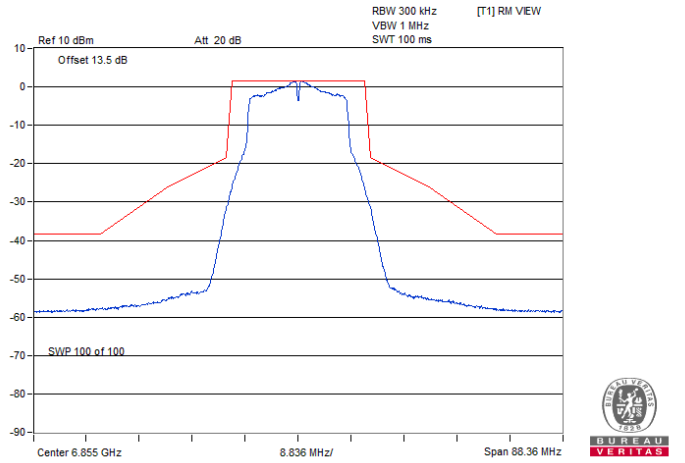
802.11a / Chain 1 : CH 45



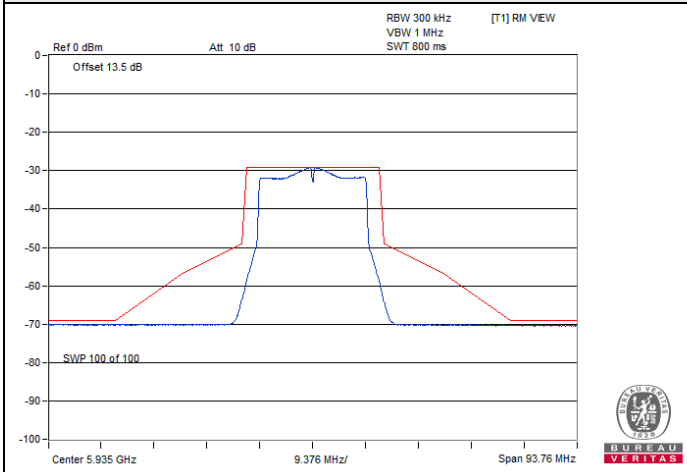
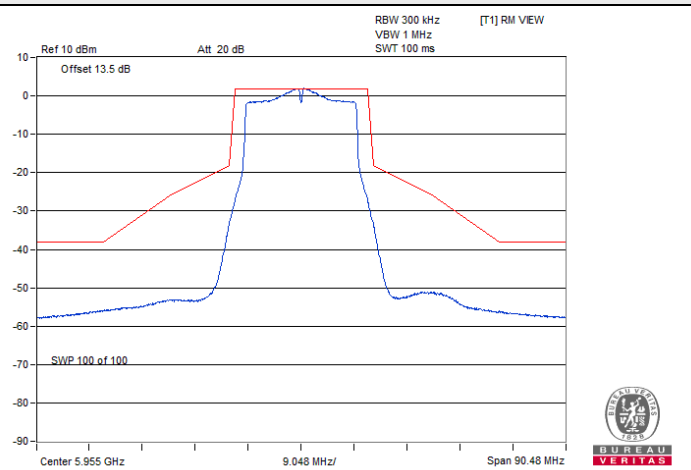
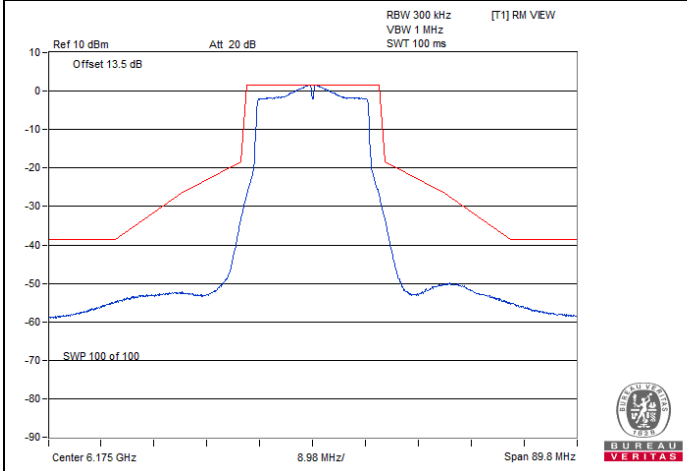
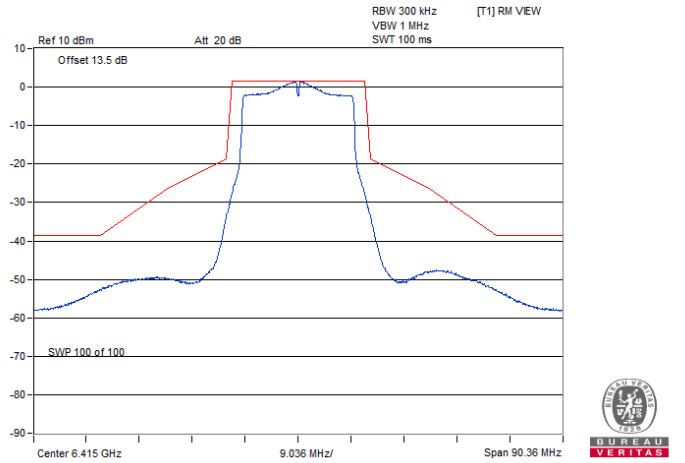
802.11a / Chain 1 : CH 93



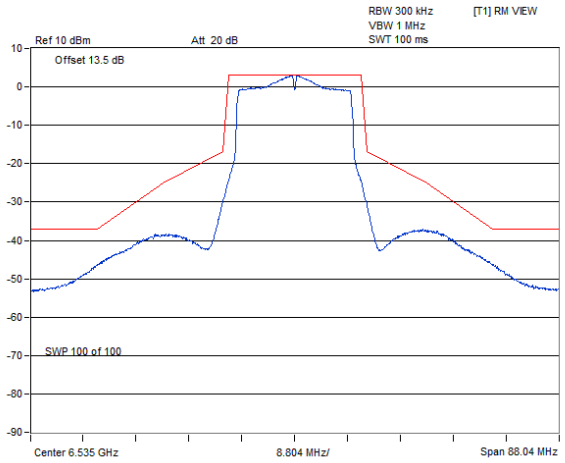
802.11a / Chain 1 : CH 117

Spectrum Plot	
	
802.11a / Chain 1 : CH 149	802.11a / Chain 1 : CH 181

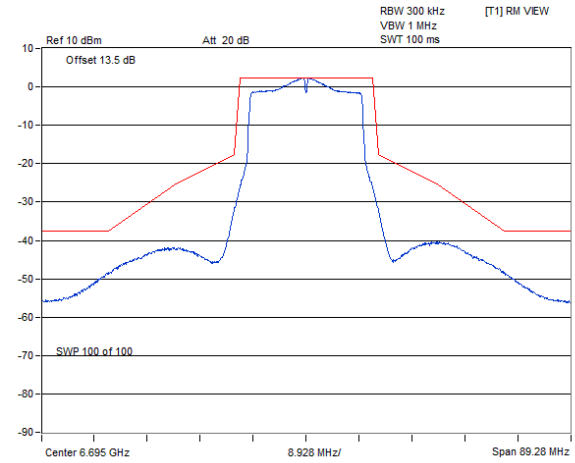
802.11be (EHT20)

Spectrum Plot	
	
802.11be (EHT20) / Chain 0 : CH 2	802.11be (EHT20) / Chain 0 : CH 1
	
802.11be (EHT20) / Chain 0 : CH 45	802.11be (EHT20) / Chain 0 : CH 93

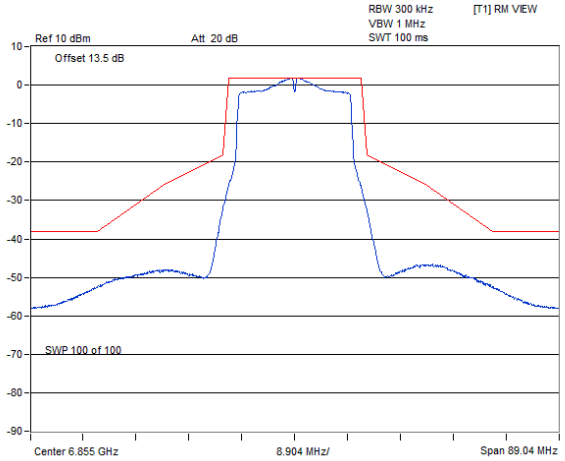
Spectrum Plot



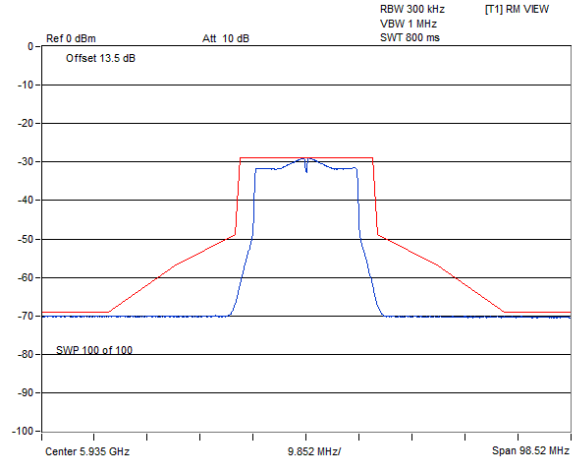
802.11be (EHT20) / Chain 0 : CH 117



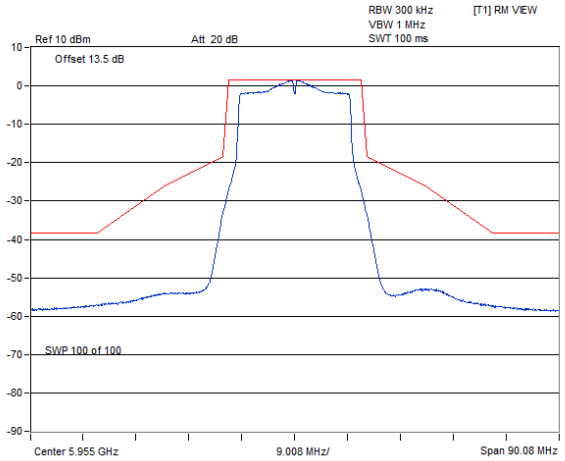
802.11be (EHT20) / Chain 0 : CH 149



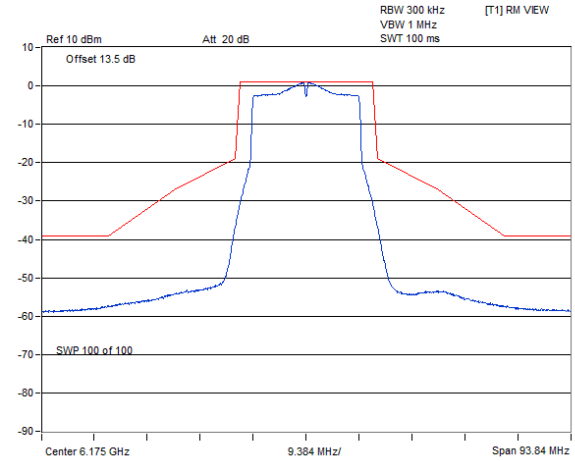
802.11be (EHT20) / Chain 0 : CH 181



802.11be (EHT20) / Chain 1 : CH 2

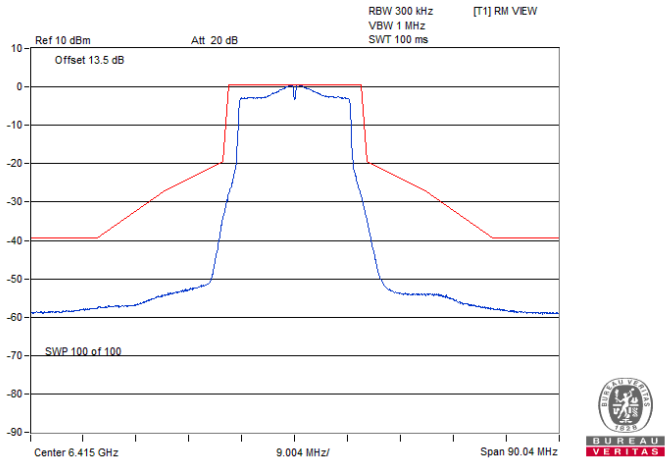


802.11be (EHT20) / Chain 1 : CH 1

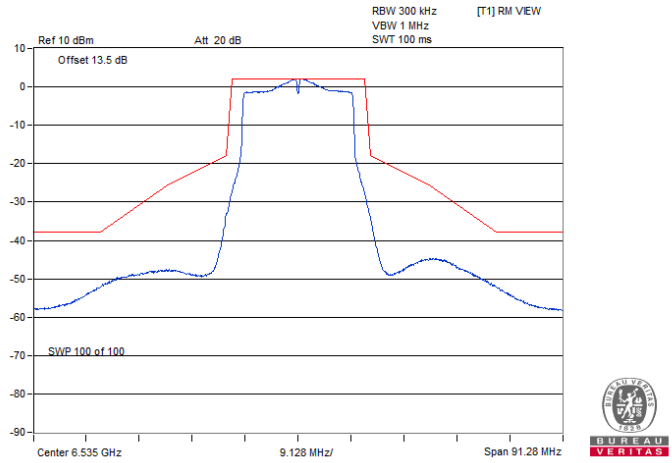


802.11be (EHT20) / Chain 1 : CH 45

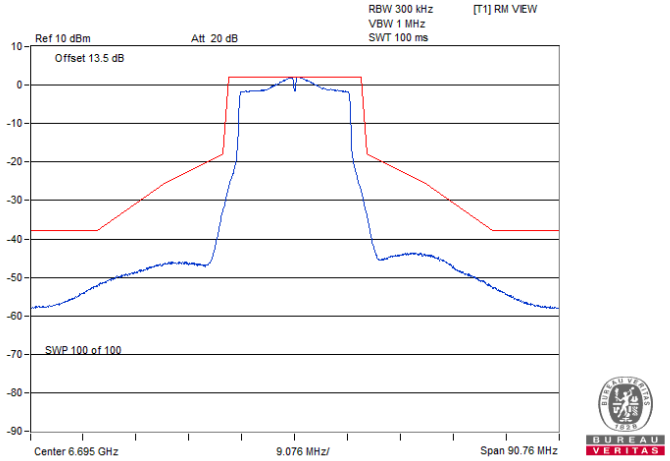
Spectrum Plot



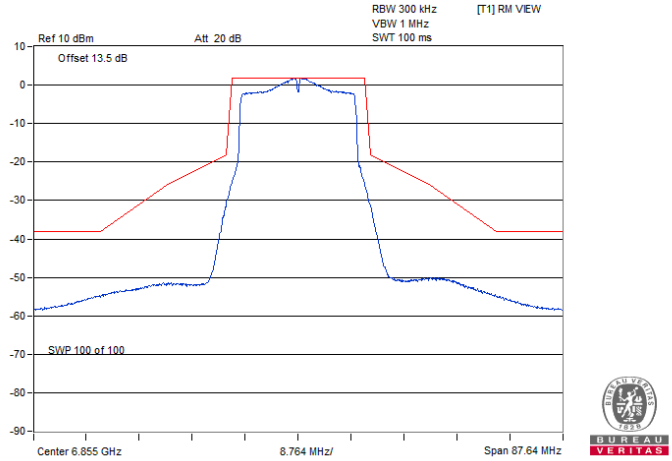
802.11be (EHT20) / Chain 1 : CH 93



802.11be (EHT20) / Chain 1 : CH 117

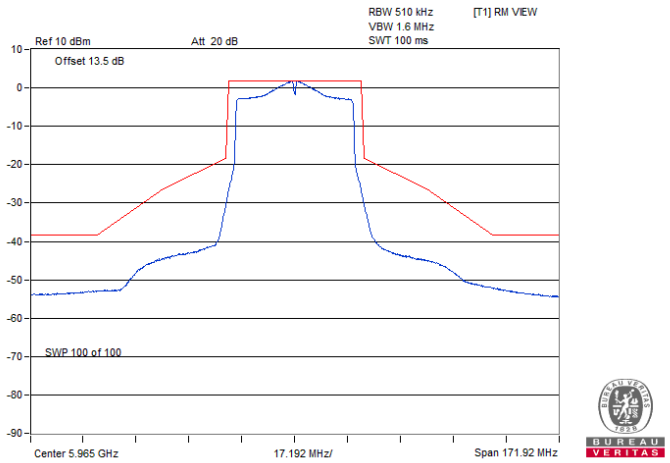
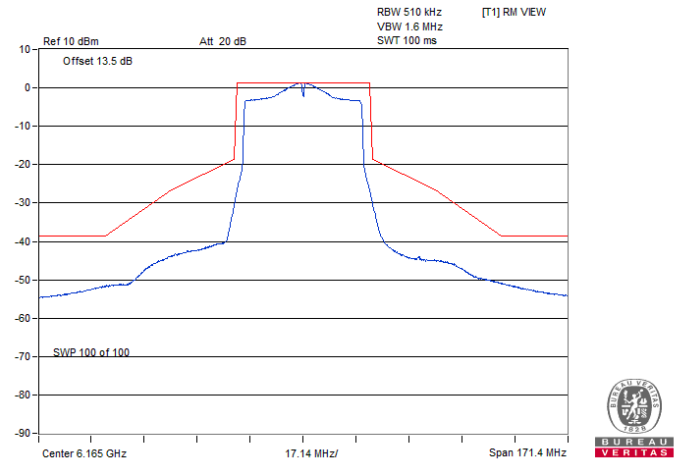
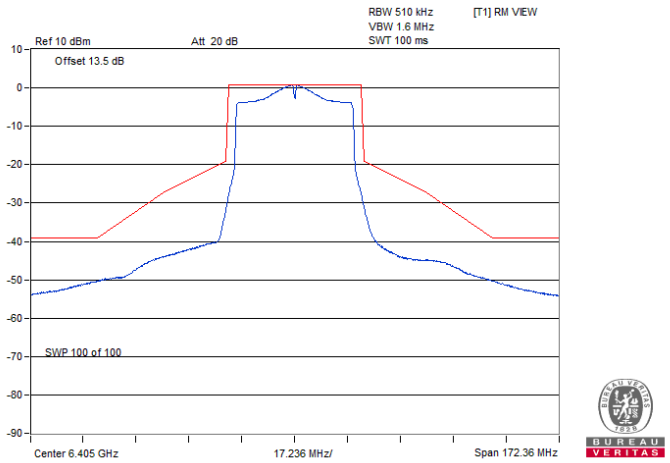
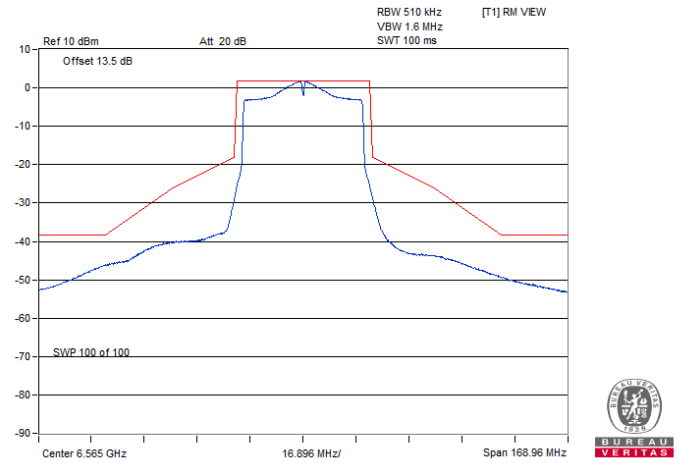
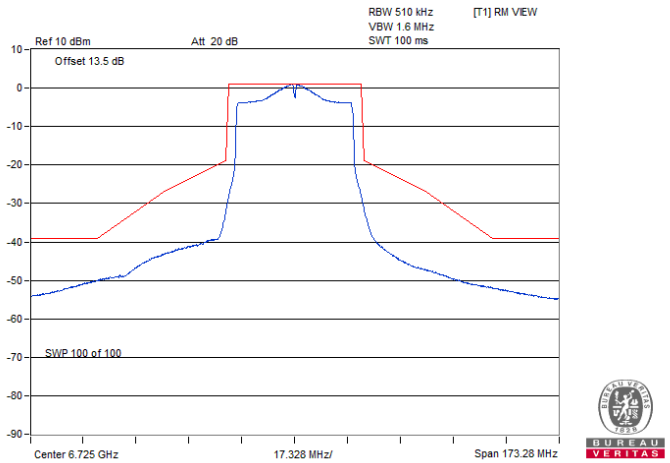
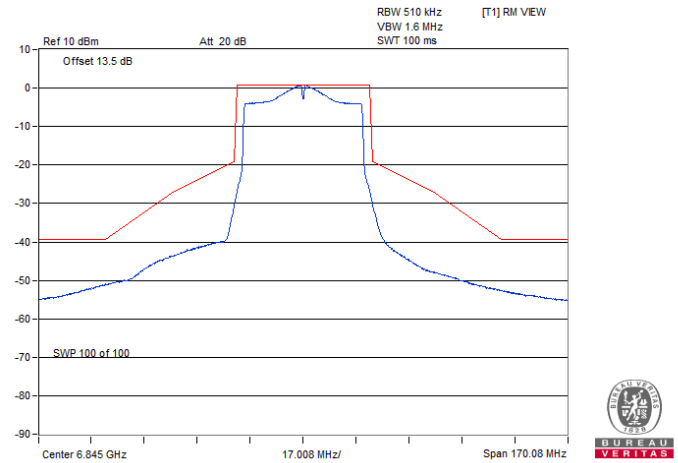


802.11be (EHT20) / Chain 1 : CH 149

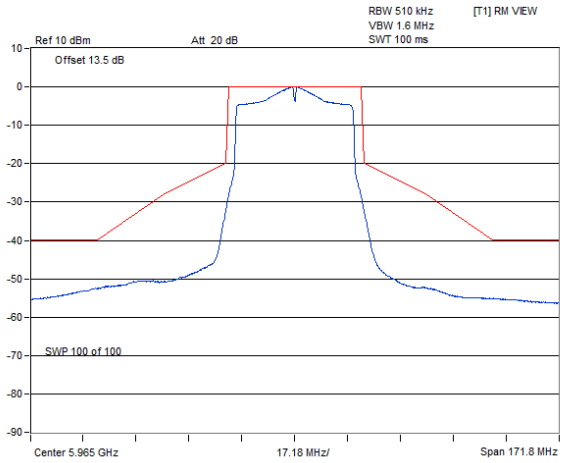


802.11be (EHT20) / Chain 1 : CH 181

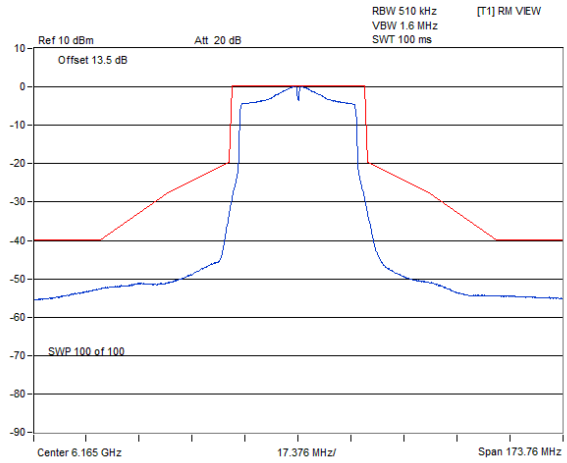
802.11be (EHT40)

Spectrum Plot	
	
802.11be (EHT40) / Chain 0 : CH 3	802.11be (EHT40) / Chain 0 : CH 43
	
802.11be (EHT40) / Chain 0 : CH 91	802.11be (EHT40) / Chain 0 : CH 123
	
802.11be (EHT40) / Chain 0 : CH 155	802.11be (EHT40) / Chain 0 : CH 179

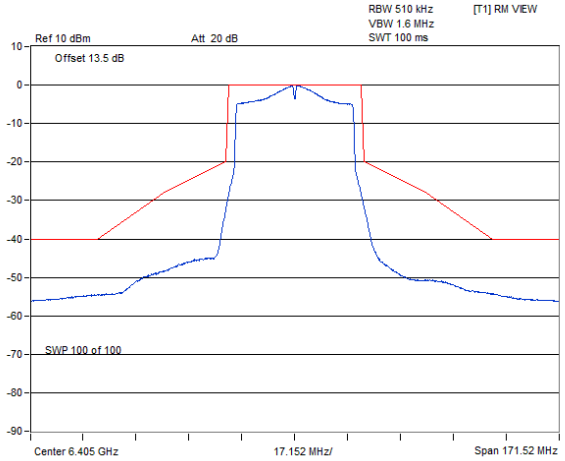
Spectrum Plot



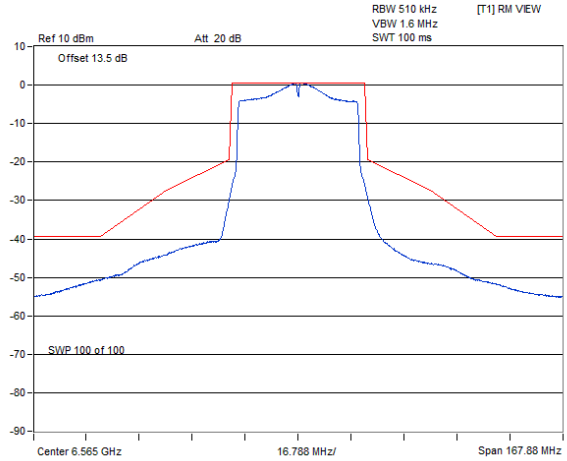
802.11be (EHT40) / Chain 1 : CH 3



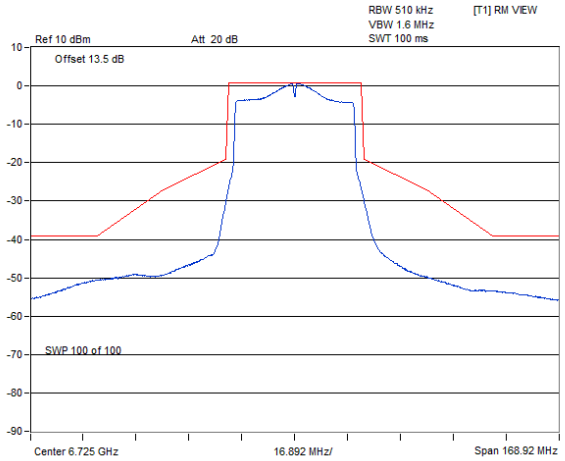
802.11be (EHT40) / Chain 1 : CH 43



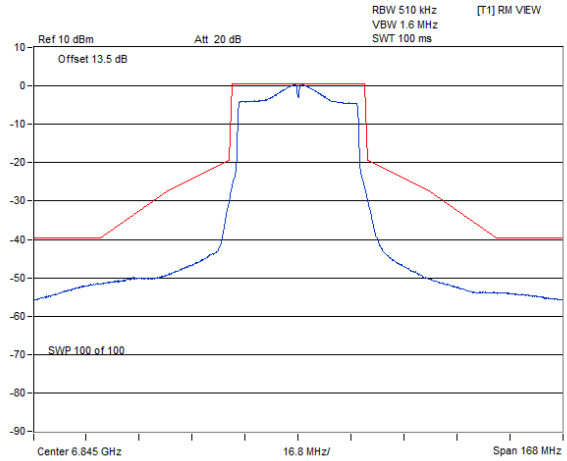
802.11be (EHT40) / Chain 1 : CH 91



802.11be (EHT40) / Chain 1 : CH 123



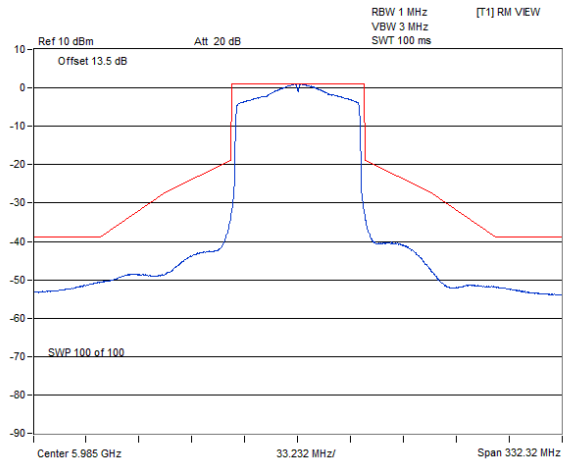
802.11be (EHT40) / Chain 1 : CH 155



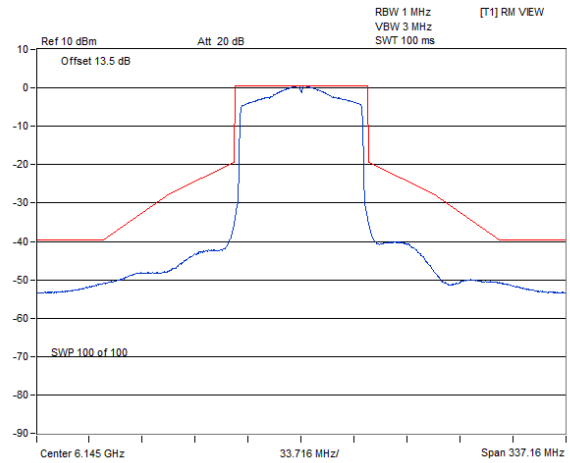
802.11be (EHT40) / Chain 1 : CH 179

802.11be (EHT80)

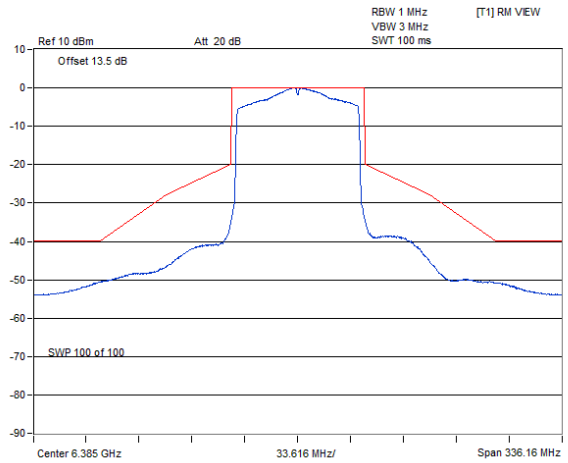
Spectrum Plot



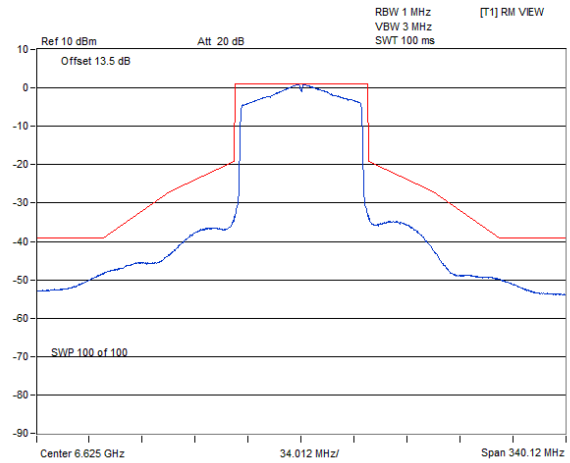
802.11be (EHT80) / Chain 0 : CH 7



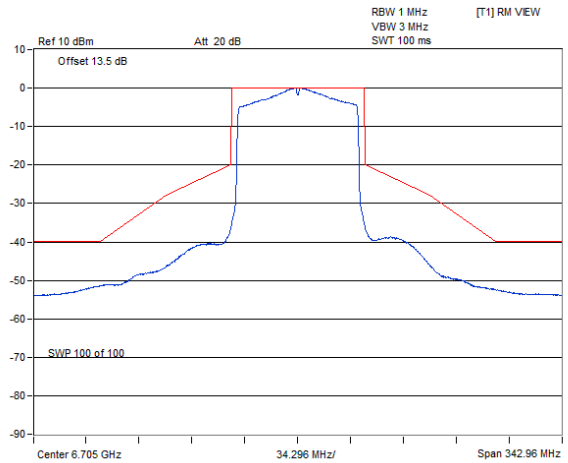
802.11be (EHT80) / Chain 0 : CH 39



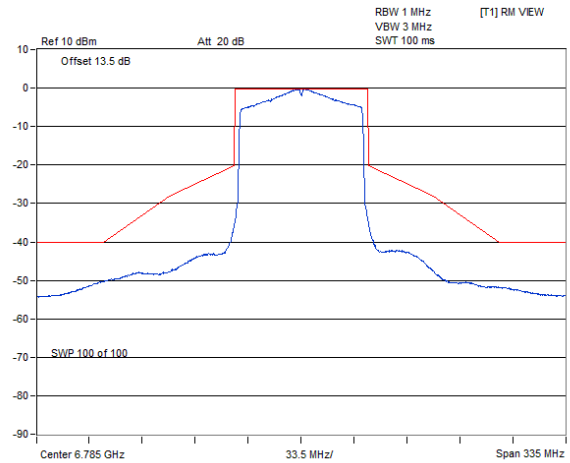
802.11be (EHT80) / Chain 0 : CH 87



802.11be (EHT80) / Chain 0 : CH 135

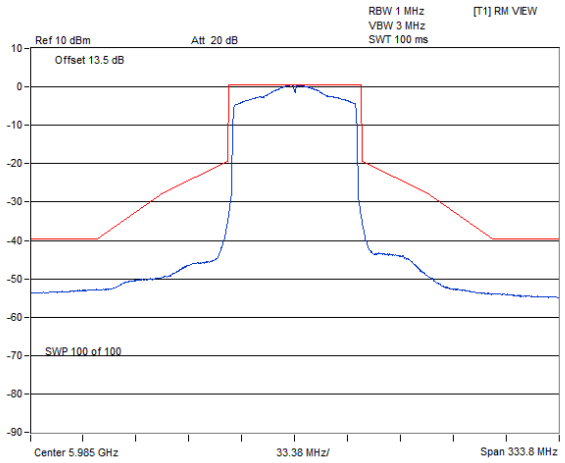


802.11be (EHT80) / Chain 0 : CH 151

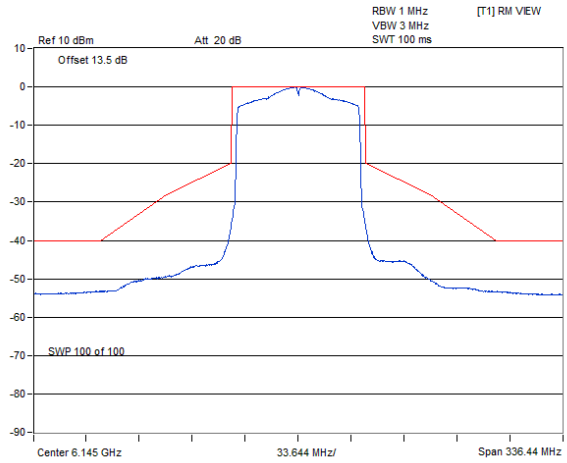


802.11be (EHT80) / Chain 0 : CH 167

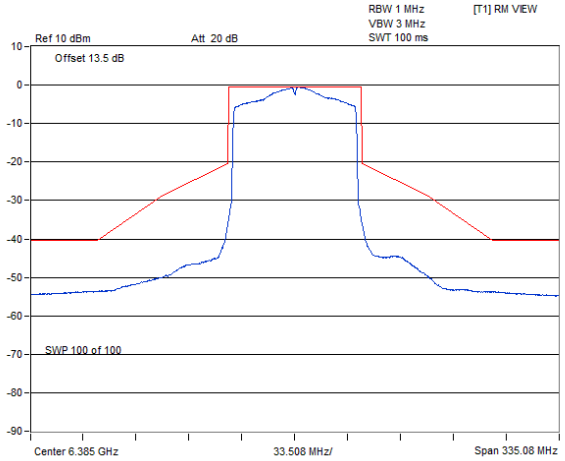
Spectrum Plot



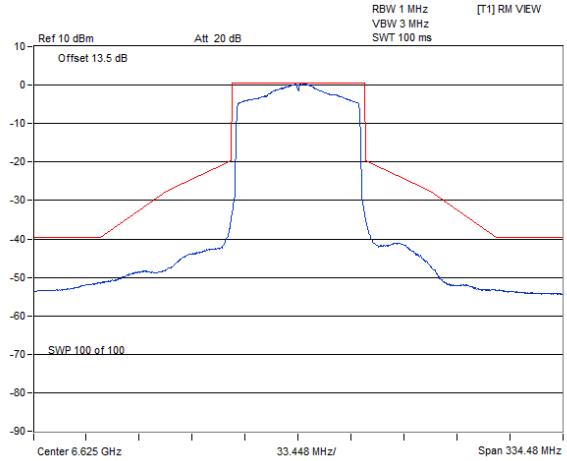
802.11be (EHT80) / Chain 1 : CH 7



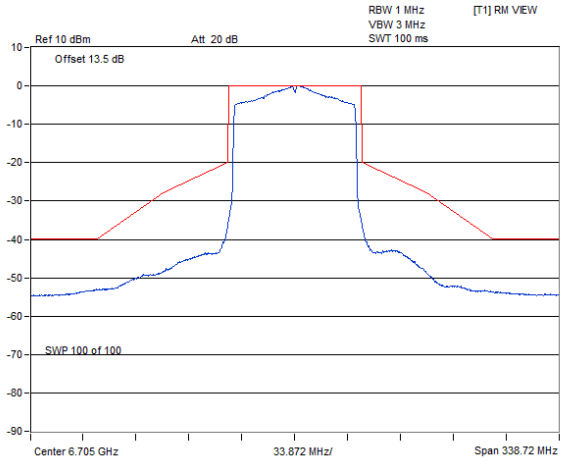
802.11be (EHT80) / Chain 1 : CH 39



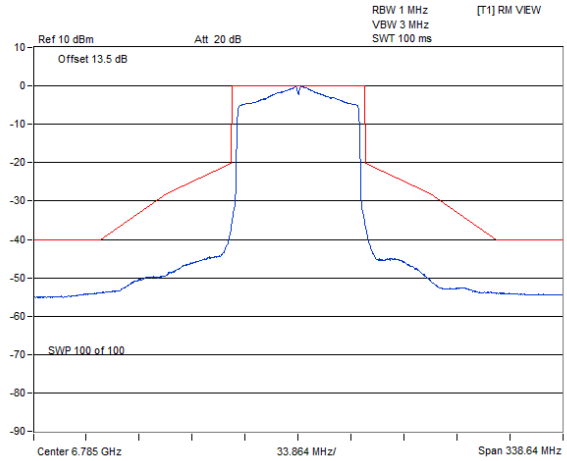
802.11be (EHT80) / Chain 1 : CH 87



802.11be (EHT80) / Chain 1 : CH 135



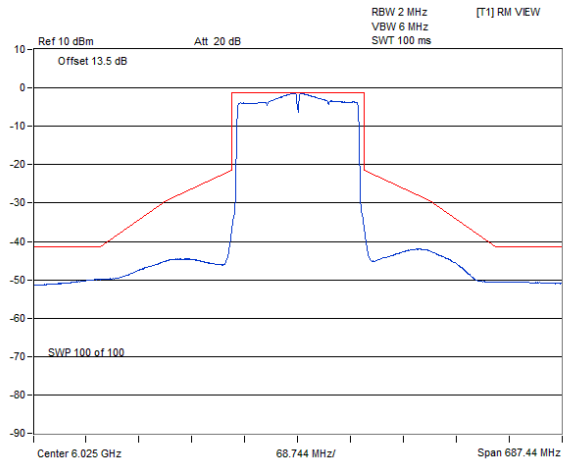
802.11be (EHT80) / Chain 1 : CH 151



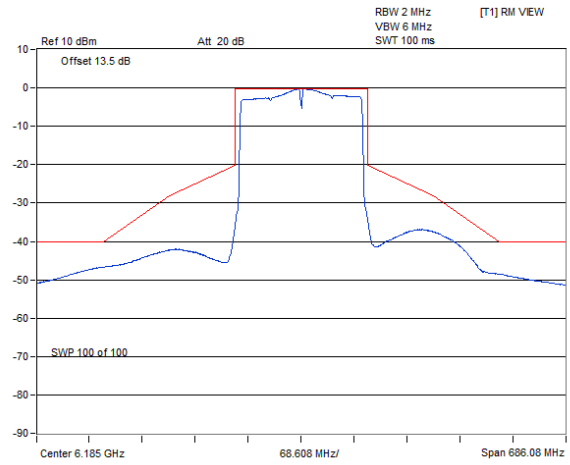
802.11be (EHT80) / Chain 1 : CH 167

802.11be (EHT160)

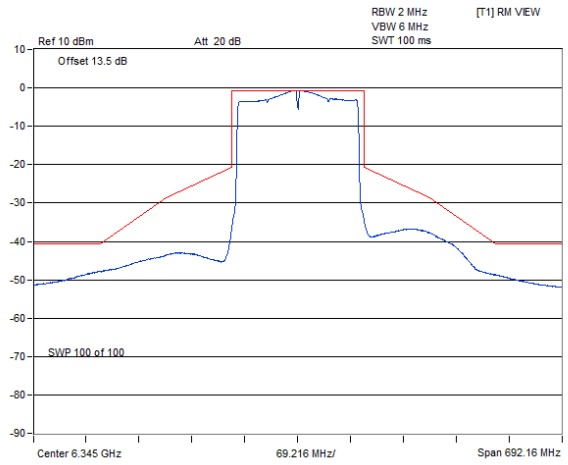
Spectrum Plot



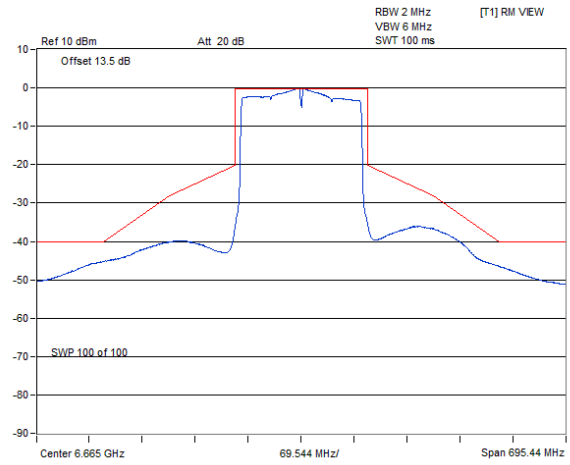
802.11be (EHT160) / Chain 0 : CH 15



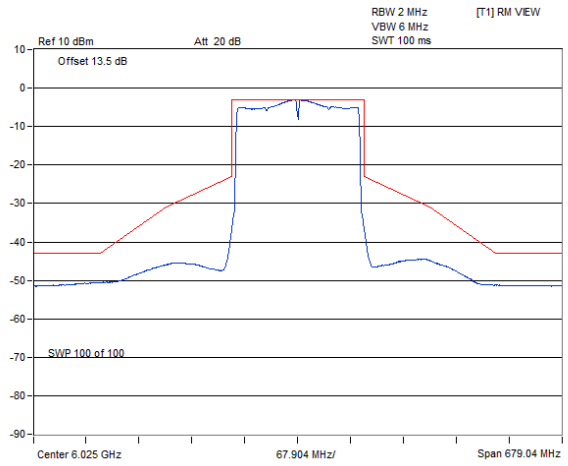
802.11be (EHT160) / Chain 0 : CH 47



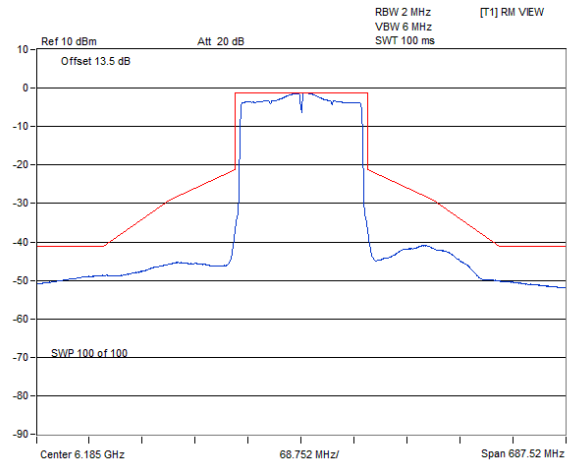
802.11be (EHT160) / Chain 0 : CH 79



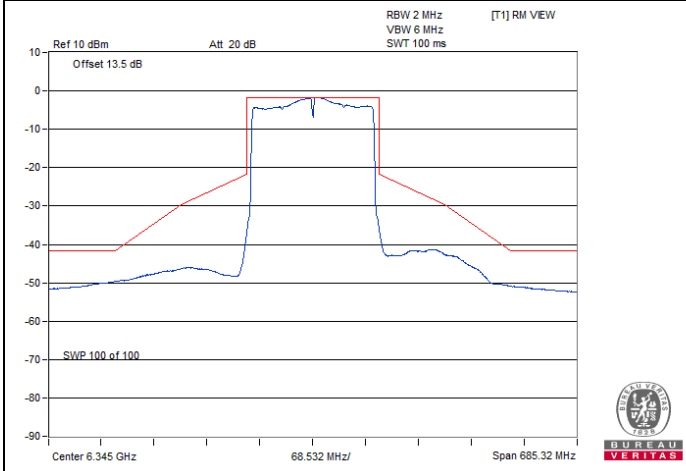
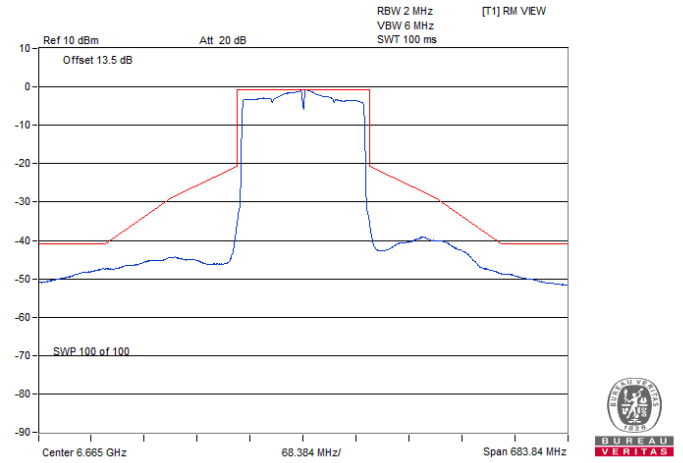
802.11be (EHT160) / Chain 0 : CH 143



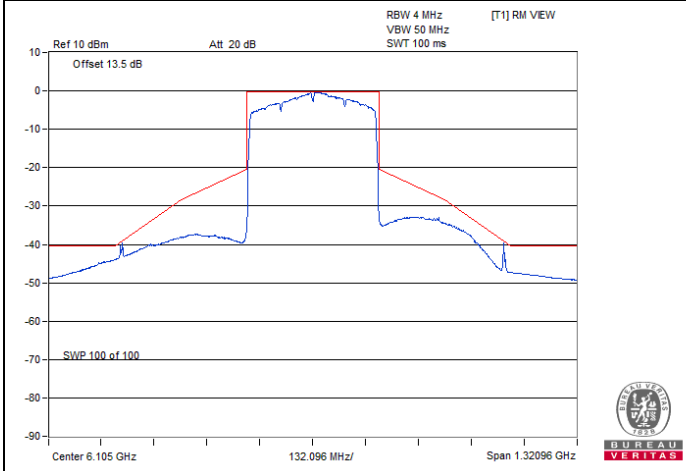
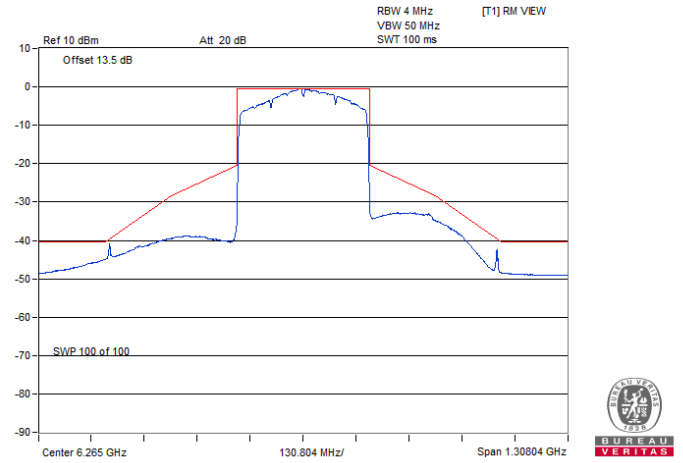
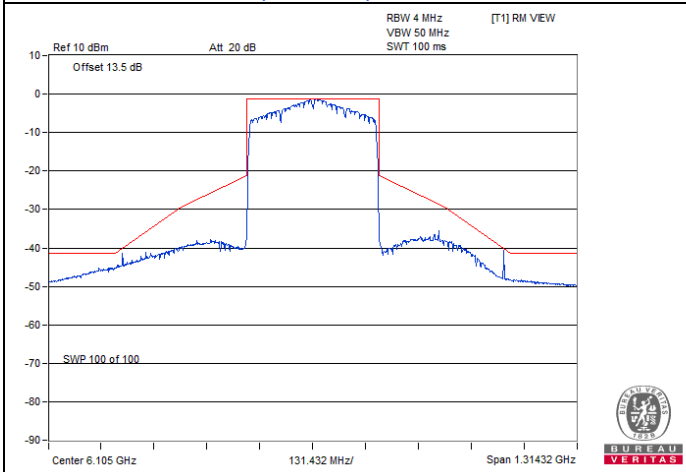
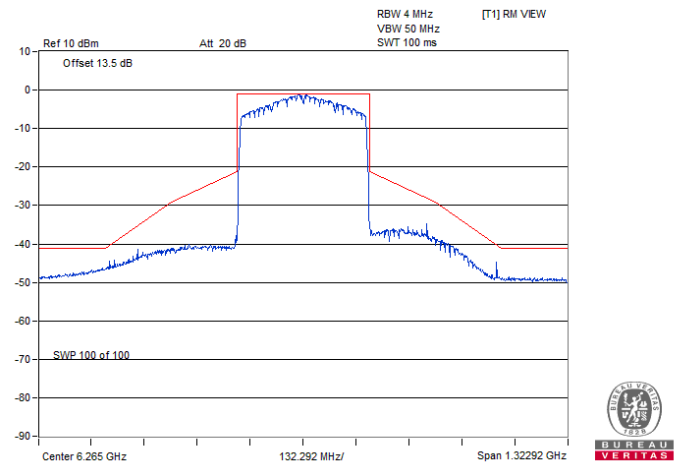
802.11be (EHT160) / Chain 1 : CH 15



802.11be (EHT160) / Chain 1 : CH 47

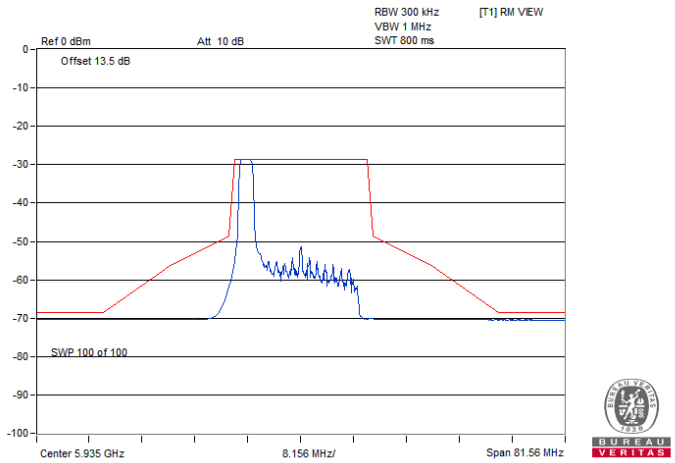
Spectrum Plot	
	
802.11be (EHT160) / Chain 1 : CH 79	802.11be (EHT160) / Chain 1 : CH 143

802.11be (EHT320)

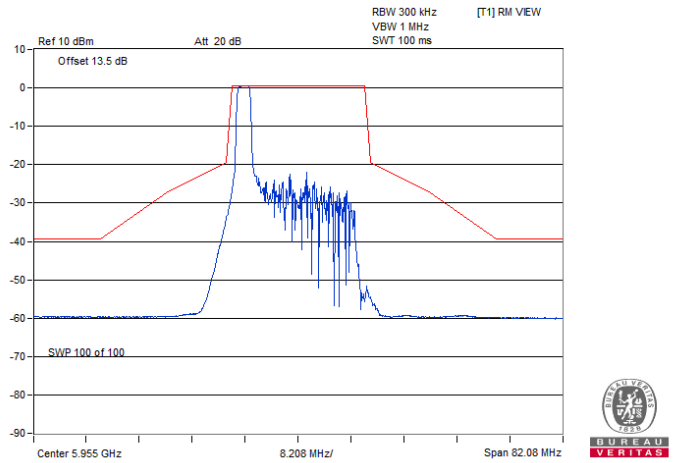
Spectrum Plot	
	
802.11be (EHT320) / Chain 0 : CH 31	802.11be (EHT320) / Chain 0 : CH 63
	
802.11be (EHT320) / Chain 1 : CH 31	802.11be (EHT320) / Chain 1 : CH 63

802.11be (EHT20) 26-tone RU

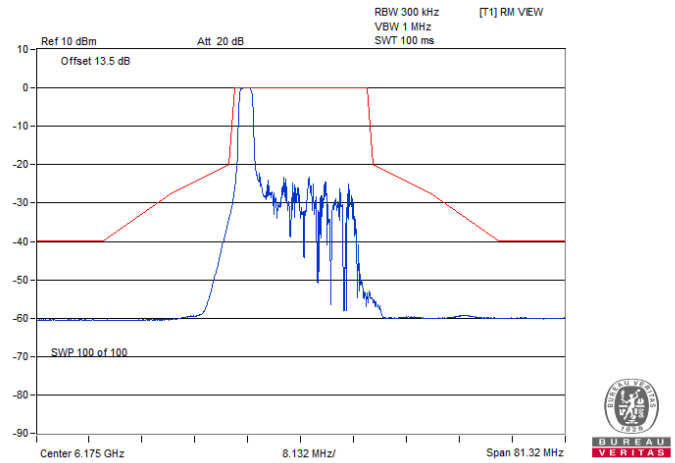
Spectrum Plot



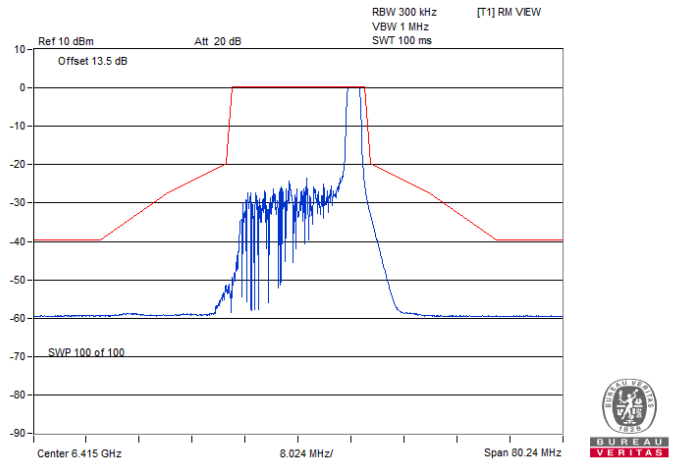
802.11be (EHT20) 26-tone RU SP / Chain 0 : CH 2@0



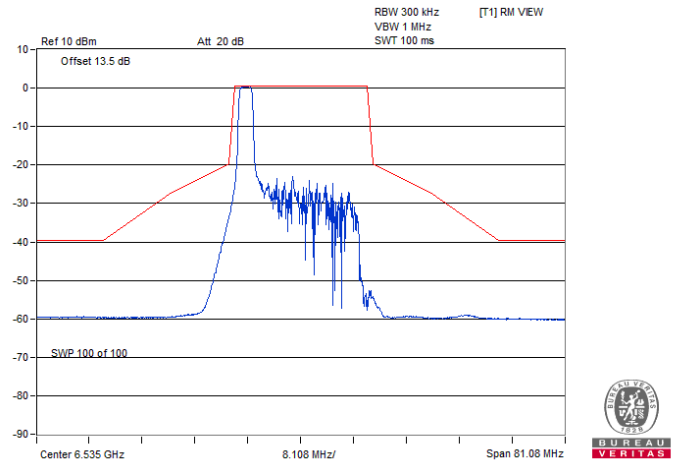
802.11be (EHT20) 26-tone RU SP / Chain 0 : CH 1@0



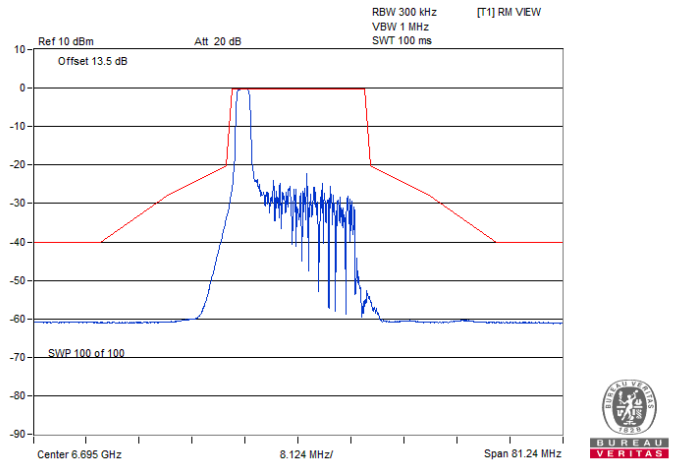
802.11be (EHT20) 26-tone RU SP / Chain 0 : CH 45@0



802.11be (EHT20) 26-tone RU SP / Chain 0 : CH 93@8

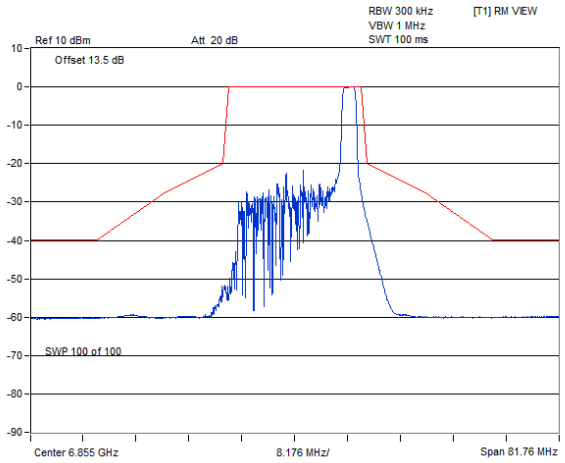


802.11be (EHT20) 26-tone RU SP / Chain 0 : CH 117@0

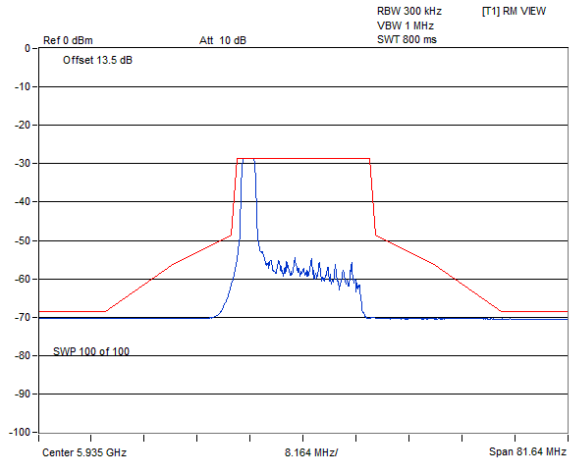


802.11be (EHT20) 26-tone RU SP / Chain 0 : CH 149@0

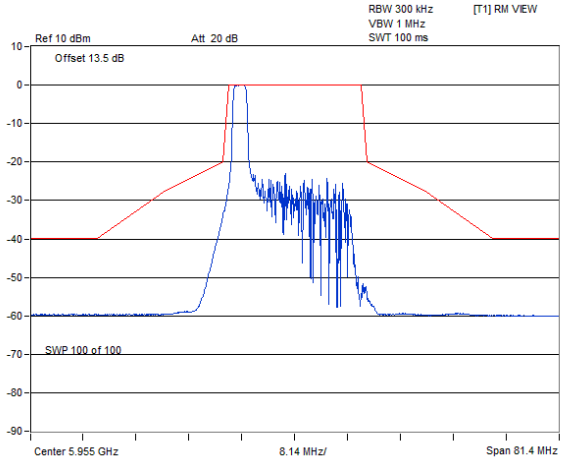
Spectrum Plot



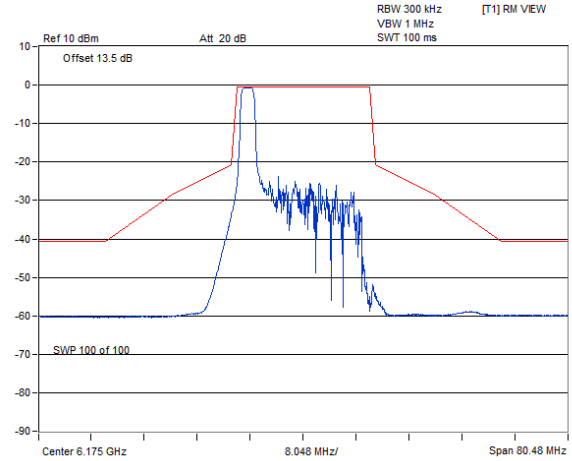
802.11be (EHT20) 26-tone RU SP / Chain 0 : CH 181@8



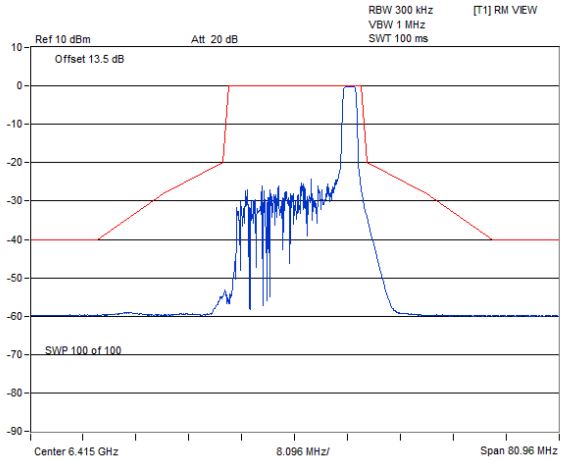
802.11be (EHT20) 26-tone RU SP / Chain 1 : CH 2@0



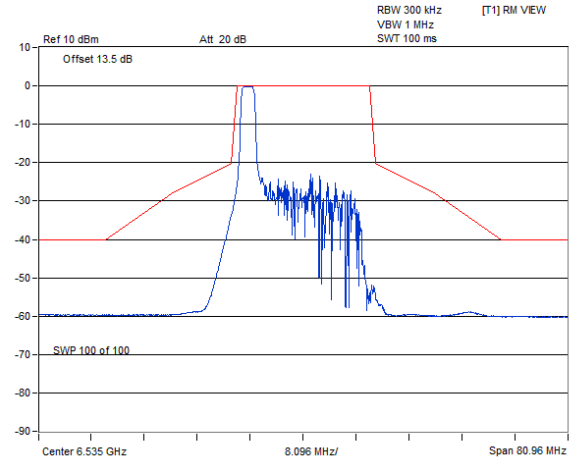
802.11be (EHT20) 26-tone RU SP / Chain 1 : CH 1@0



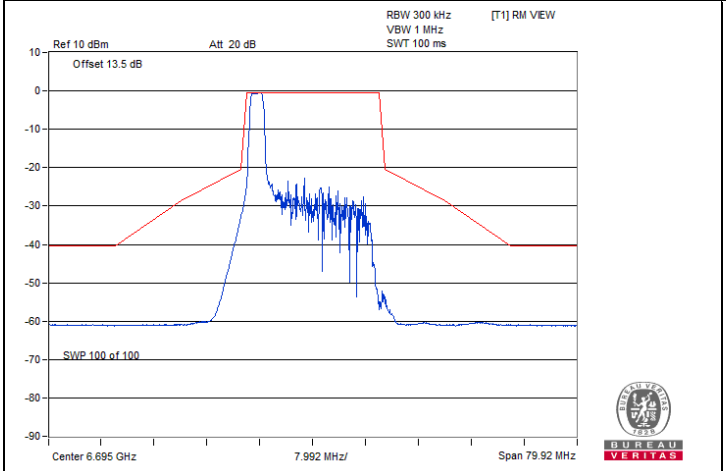
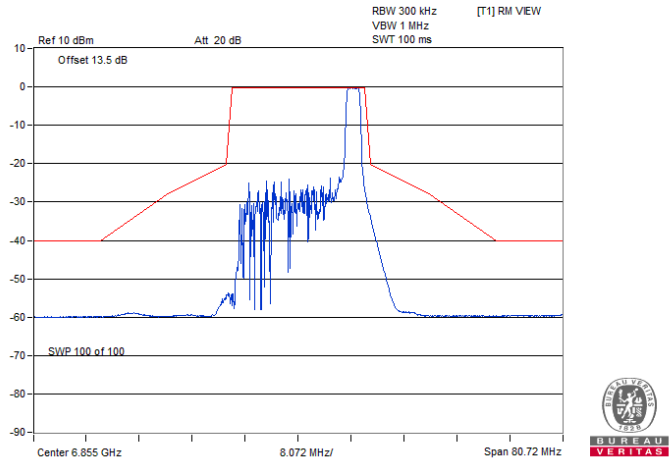
802.11be (EHT20) 26-tone RU SP / Chain 1 : CH 45@0



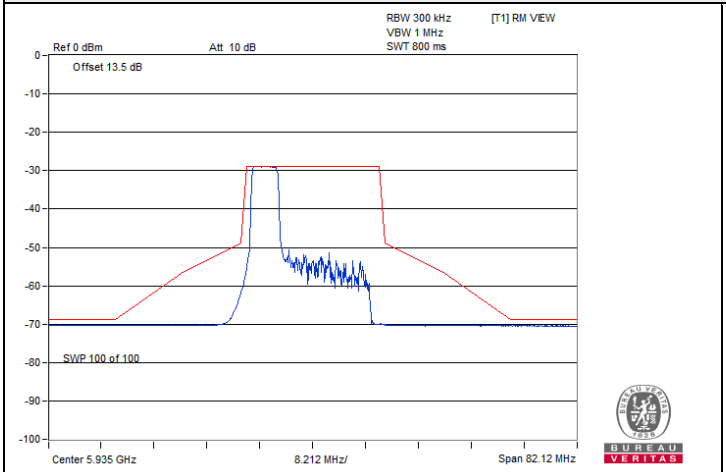
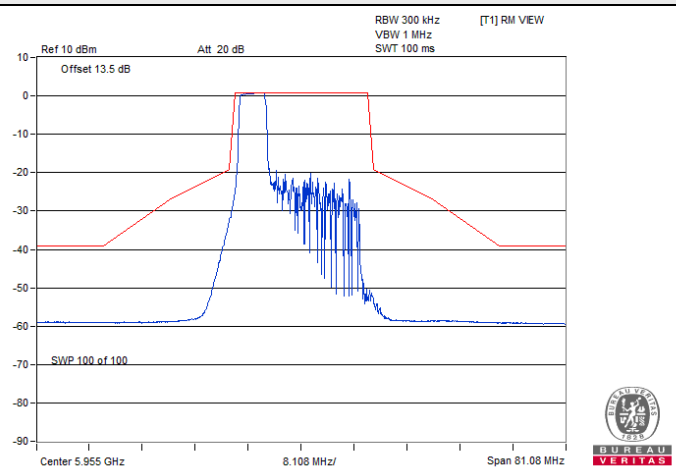
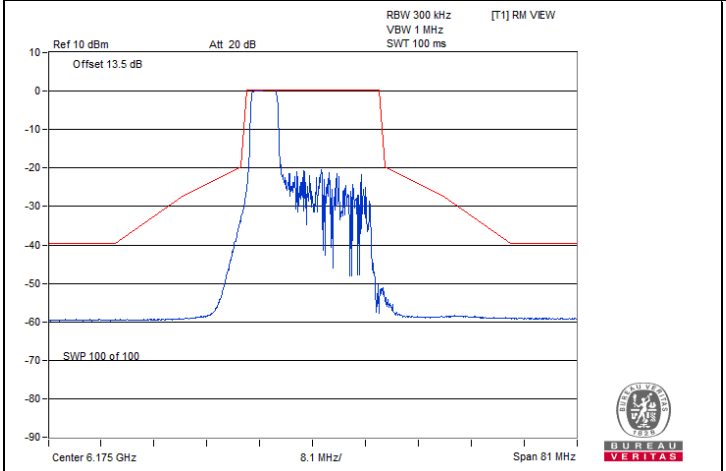
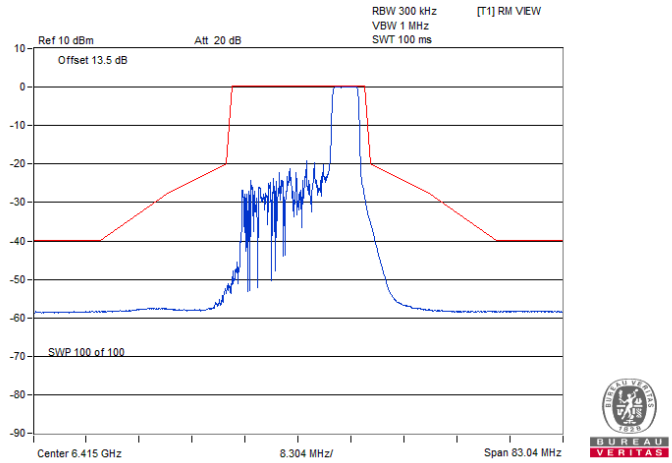
802.11be (EHT20) 26-tone RU SP / Chain 1 : CH 93@8



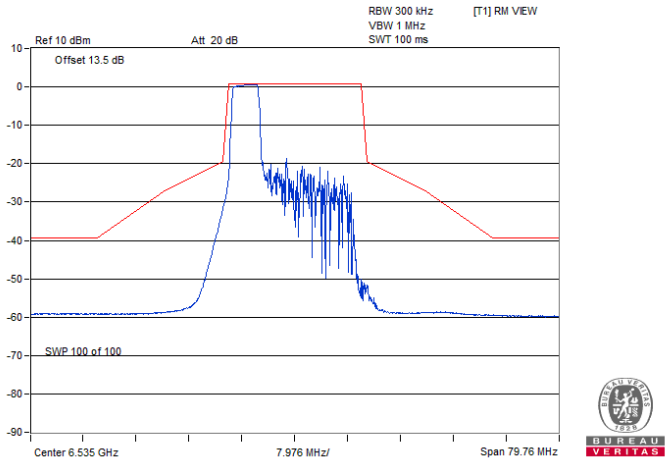
802.11be (EHT20) 26-tone RU SP / Chain 1 : CH 117@0

Spectrum Plot	
	
802.11be (EHT20) 26-tone RU SP / Chain 1 : CH 149@0	802.11be (EHT20) 26-tone RU SP / Chain 1 : CH 181@8

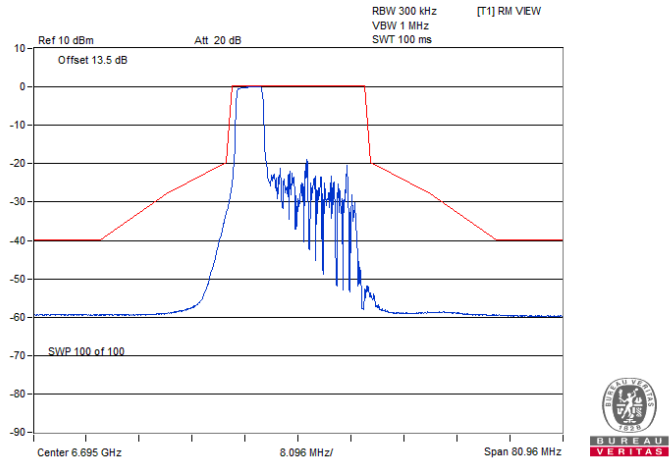
802.11be (EHT20) 52-tone RU

Spectrum Plot	
	
802.11be (EHT20) 52-tone RU SP / Chain 0 : CH 2@37	802.11be (EHT20) 52-tone RU SP / Chain 0 : CH 1@37
	
802.11be (EHT20) 52-tone RU SP / Chain 0 : CH 45@37	802.11be (EHT20) 52-tone RU SP / Chain 0 : CH 93@40

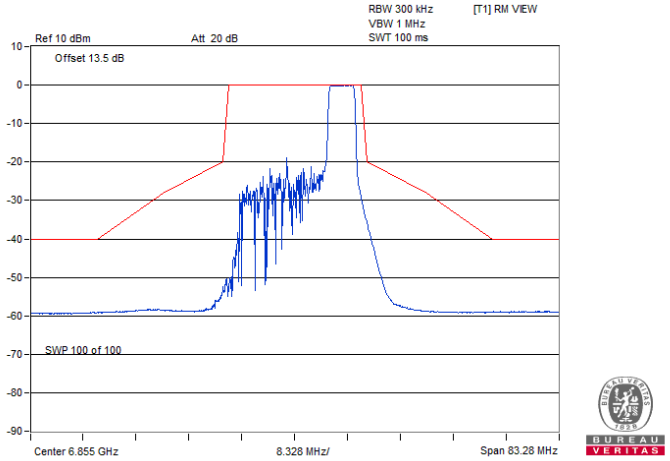
Spectrum Plot



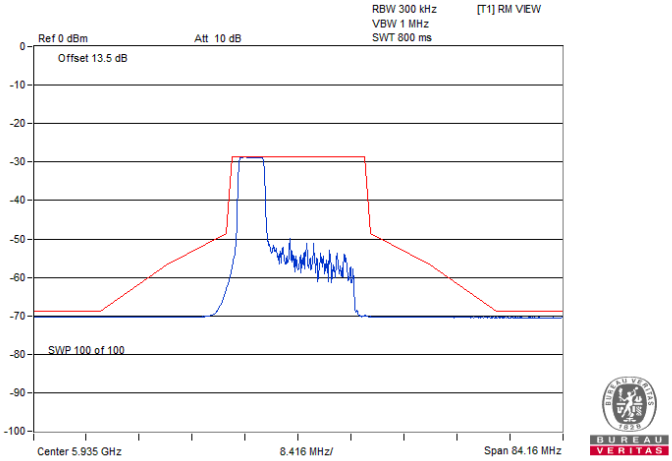
802.11be (EHT20) 52-tone RU SP / Chain 0 : CH 117@37



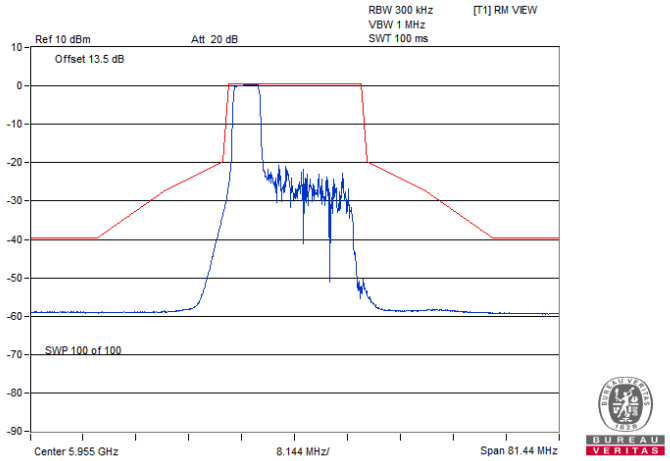
802.11be (EHT20) 52-tone RU SP / Chain 0 : CH 149@37



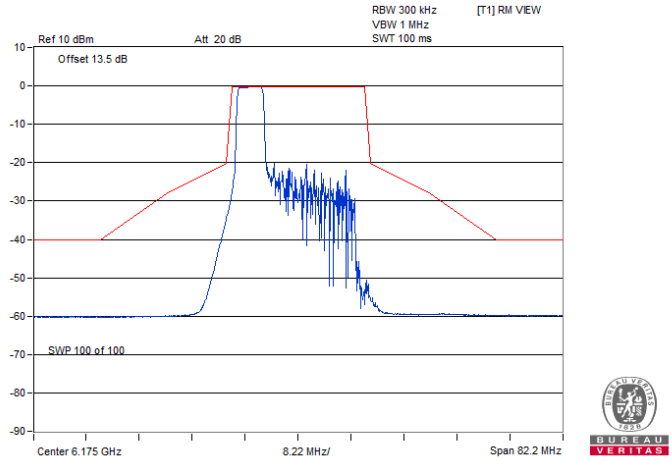
802.11be (EHT20) 52-tone RU SP / Chain 0 : CH 181@40



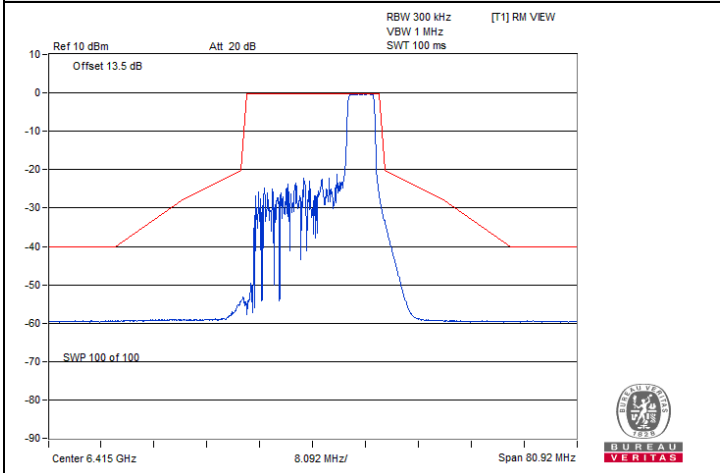
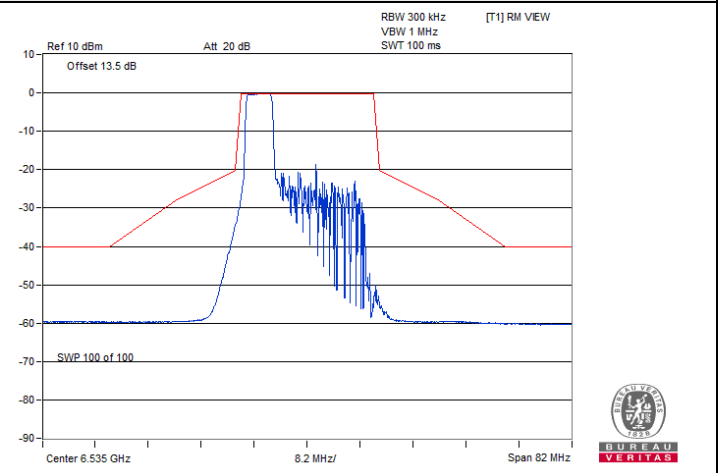
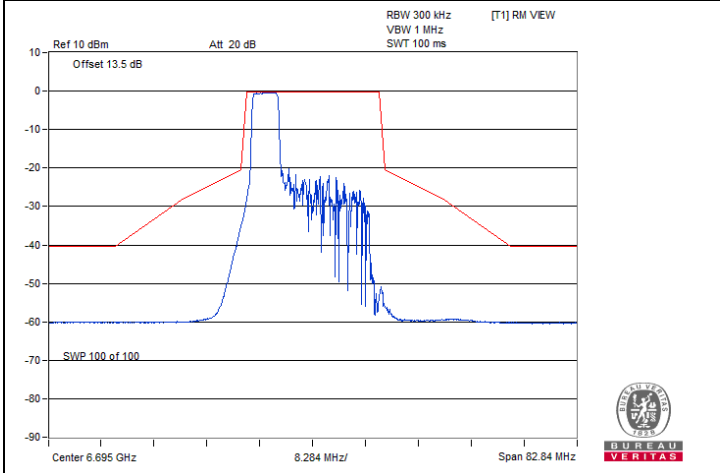
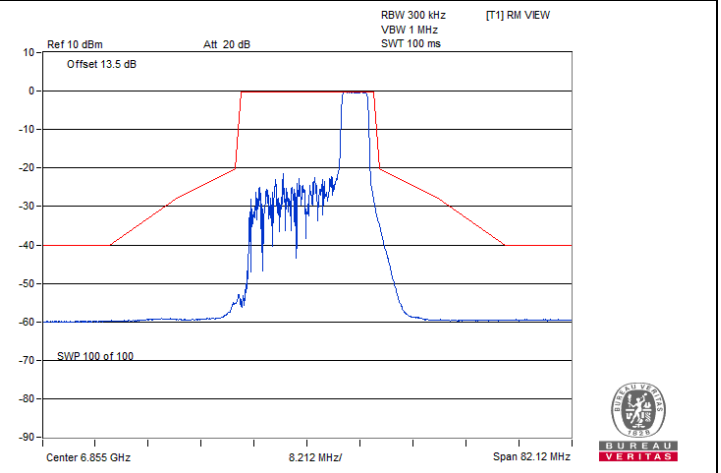
802.11be (EHT20) 52-tone RU SP / Chain 1 : CH 2@37



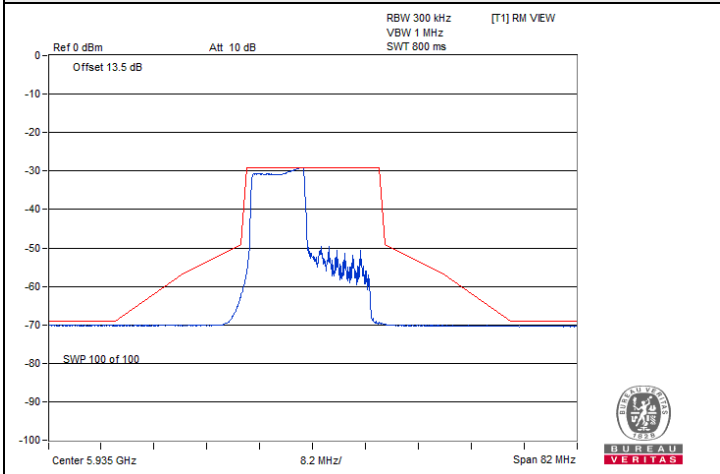
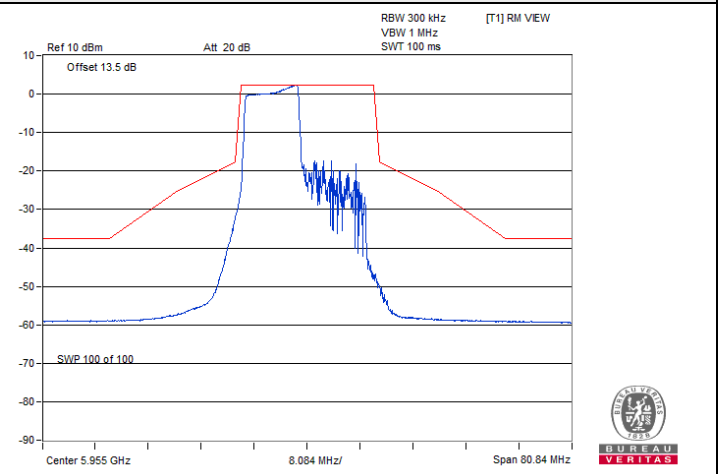
802.11be (EHT20) 52-tone RU SP / Chain 1 : CH 1@37



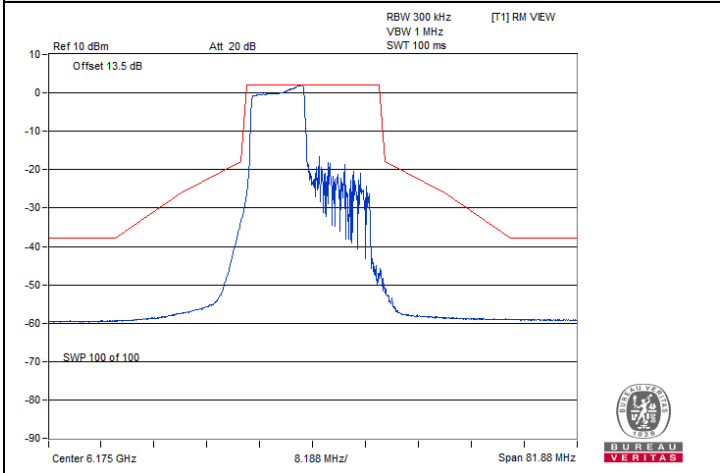
802.11be (EHT20) 52-tone RU SP / Chain 1 : CH 45@37

Spectrum Plot	
	
802.11be (EHT20) 52-tone RU SP / Chain 1 : CH 93@40	802.11be (EHT20) 52-tone RU SP / Chain 1 : CH 117@37
	
802.11be (EHT20) 52-tone RU SP / Chain 1 : CH 149@37	802.11be (EHT20) 52-tone RU SP / Chain 1 : CH 181@40

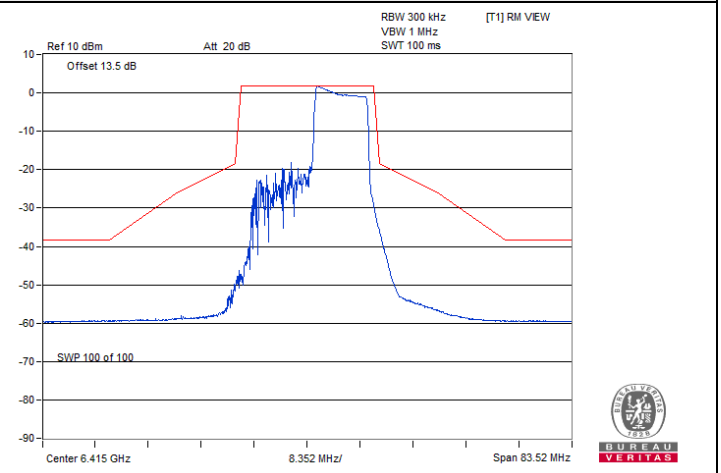
802.11be (EHT20) 106-tone RU

Spectrum Plot	
	
802.11be (EHT20) 106-tone RU SP / Chain 0 : CH 2@53	802.11be (EHT20) 106-tone RU SP / Chain 0 : CH 1@53

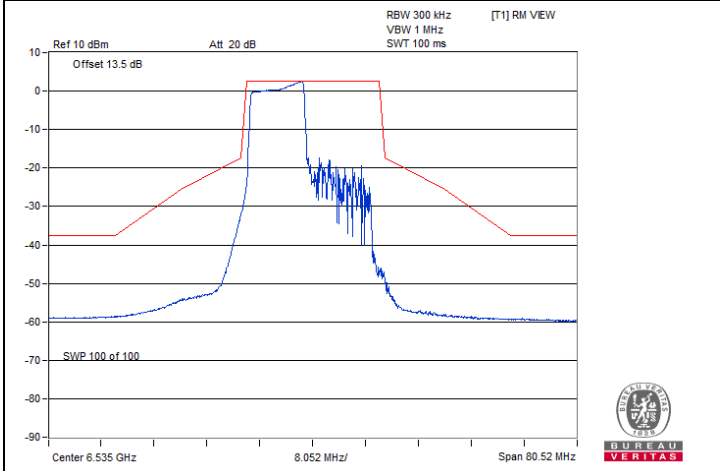
Spectrum Plot



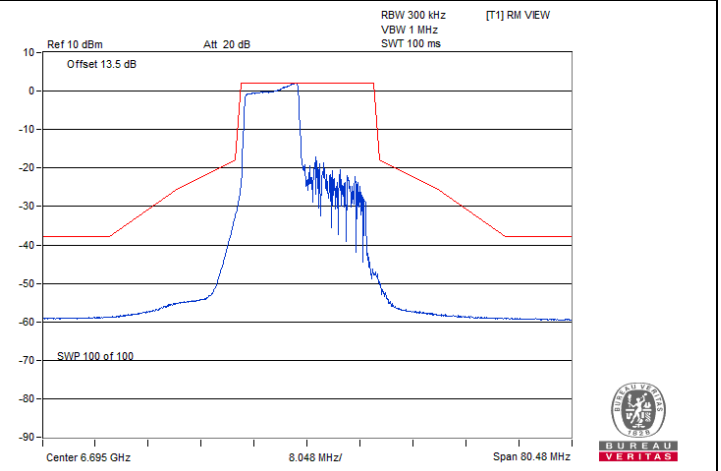
802.11be (EHT20) 106-tone RU SP / Chain 0 : CH 45@53



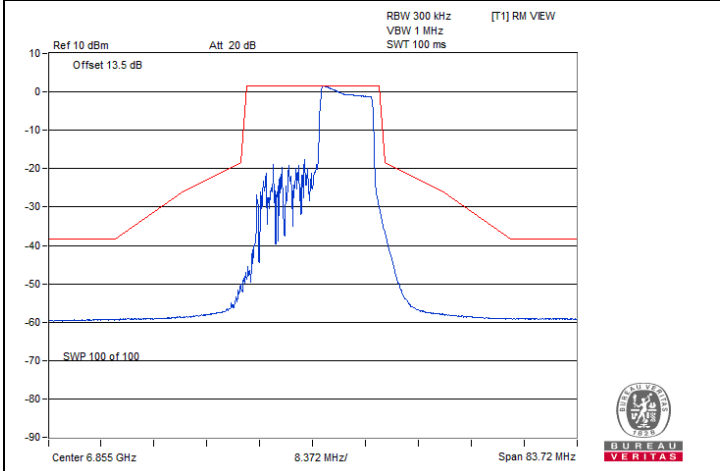
802.11be (EHT20) 106-tone RU SP / Chain 0 : CH 93@54



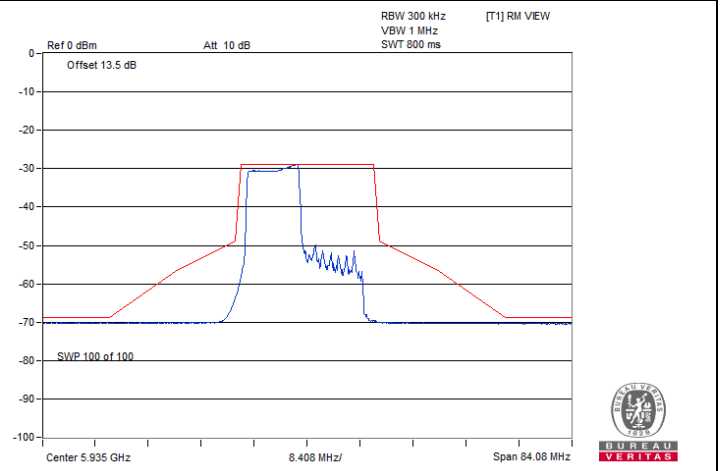
802.11be (EHT20) 106-tone RU SP / Chain 0 : CH 117@53



802.11be (EHT20) 106-tone RU SP / Chain 0 : CH 149@53

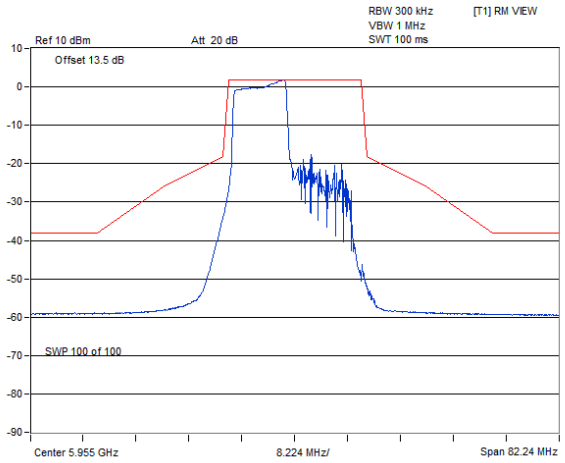


802.11be (EHT20) 106-tone RU SP / Chain 0 : CH 181@54

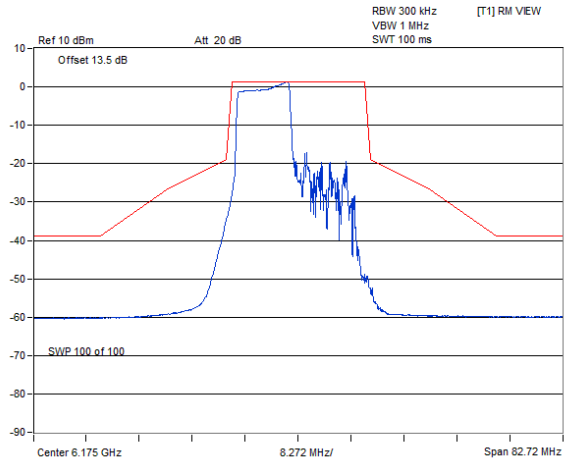


802.11be (EHT20) 106-tone RU SP / Chain 1 : CH 2@53

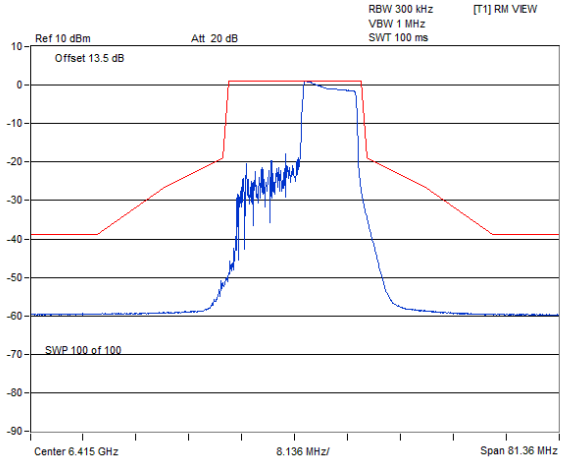
Spectrum Plot



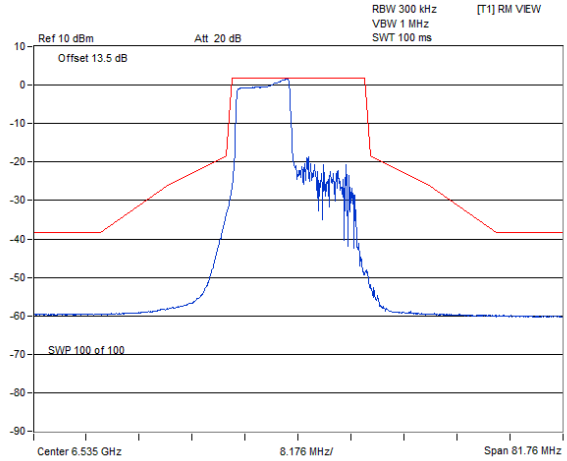
802.11be (EHT20) 106-tone RU SP / Chain 1 : CH 1@53



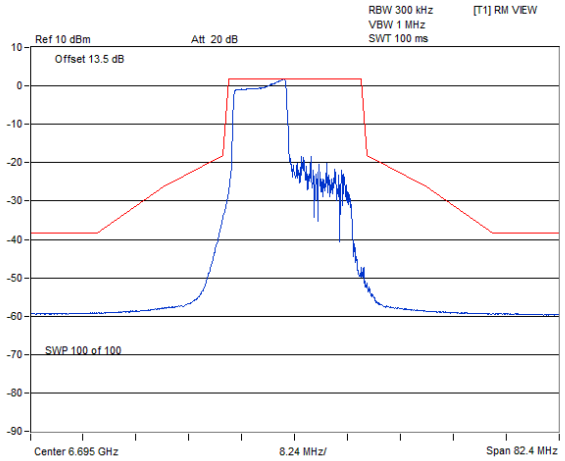
802.11be (EHT20) 106-tone RU SP / Chain 1 : CH 45@53



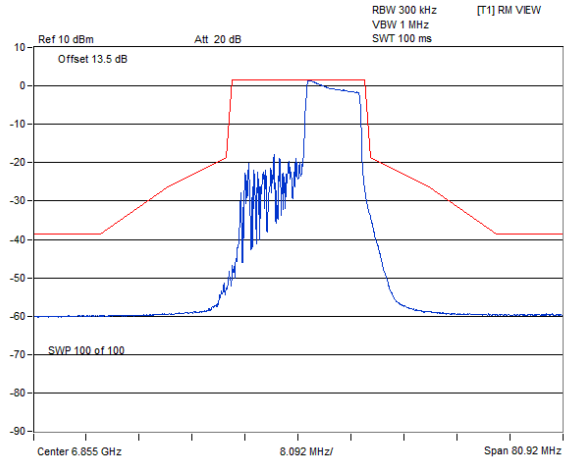
802.11be (EHT20) 106-tone RU SP / Chain 1 : CH 93@54



802.11be (EHT20) 106-tone RU SP / Chain 1 : CH 117@53



802.11be (EHT20) 106-tone RU SP / Chain 1 : CH 149@53



802.11be (EHT20) 106-tone RU SP / Chain 1 : CH 181@54

7.5 Occupied Bandwidth

Mode A

Input Power:	3.3 Vdc	Environmental Conditions:	24°C, 61% RH	Tested By:	Eric Peng

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
2	5935	16.80	16.74
1	5955	16.68	16.80
45	6175	16.74	16.74
93	6415	16.80	16.80
97	6435	16.68	16.68
105	6475	16.86	16.86
113	6515	16.74	16.80
117	6535	16.74	16.80
149	6695	16.92	16.74
181	6855	16.74	16.80
185	6875	16.80	16.80
209	6995	16.80	16.80
233	7115	16.68	16.80

802.11be (EHT20)

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

802.11be (EHT40)

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

802.11be (EHT80)

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

802.11be (EHT160)

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

802.11be (EHT320)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
31	6105	315.84	314.88	320	Pass
63	6265	315.84	315.84	320	Pass
95	6425	315.84	314.88	320	Pass
127	6585	314.88	313.92	320	Pass
159	6745	314.88	314.88	320	Pass
191	6905	314.88	315.84	320	Pass

802.11be (EHT20) 26-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
2	5935	18.60	18.36
1	5955	18.54	18.30
45	6175	18.24	18.42
93	6415	18.48	18.42
97	6435	18.42	18.06
105	6475	17.88	18.12
113	6515	18.48	18.42
117	6535	18.36	18.24
149	6695	18.42	18.24
181	6855	18.30	17.94
185	6875	18.12	18.36
209	6995	18.48	18.36
233	7115	18.42	18.30

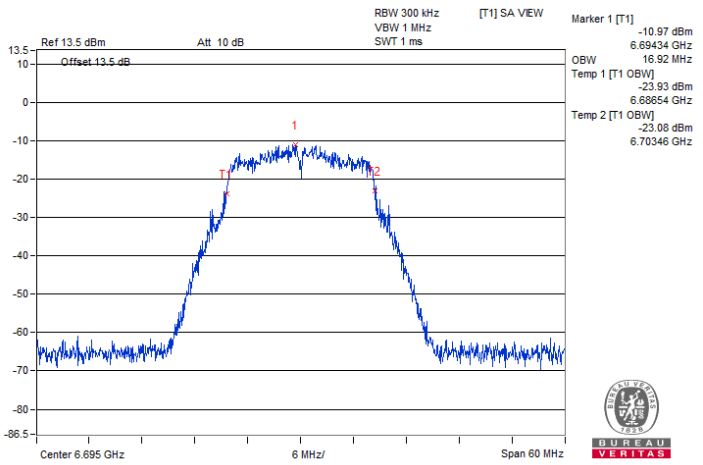
802.11be (EHT20) 52-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
2	5935	18.18	18.24
1	5955	18.00	18.12
45	6175	18.06	18.12
93	6415	18.18	17.82
97	6435	18.06	18.24
105	6475	17.76	17.82
113	6515	17.70	18.12
117	6535	17.94	18.00
149	6695	18.06	18.18
181	6855	18.12	18.06
185	6875	17.88	18.18
209	6995	17.94	17.76
233	7115	17.34	17.58

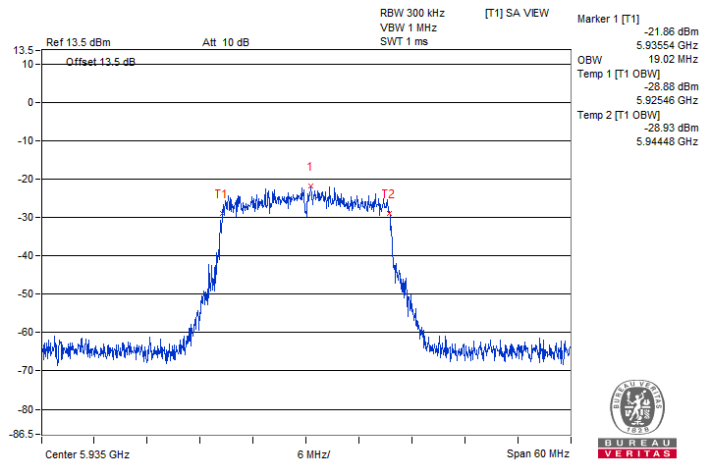
802.11be (EHT20) 106-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
2	5935	17.82	18.12
1	5955	18.06	18.06
45	6175	17.82	18.06
93	6415	17.94	17.94
97	6435	17.64	18.06
105	6475	17.88	18.06
113	6515	17.64	17.64
117	6535	17.40	17.88
149	6695	17.94	17.28
181	6855	17.82	17.22
185	6875	18.00	17.58
209	6995	18.00	17.58
233	7115	17.88	17.46

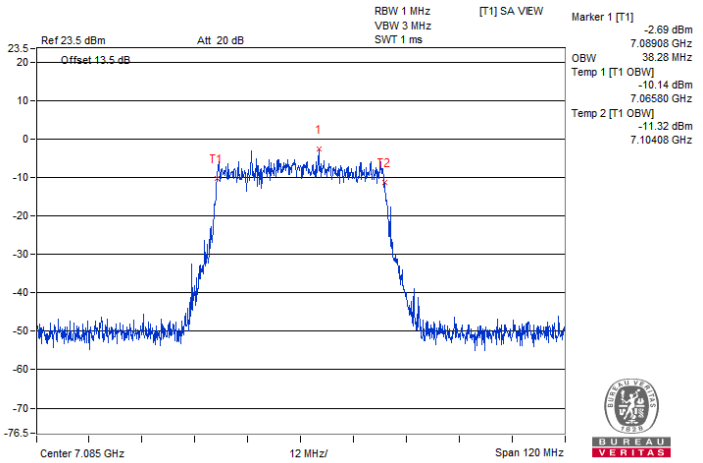
Spectrum Plot of Maximum Value



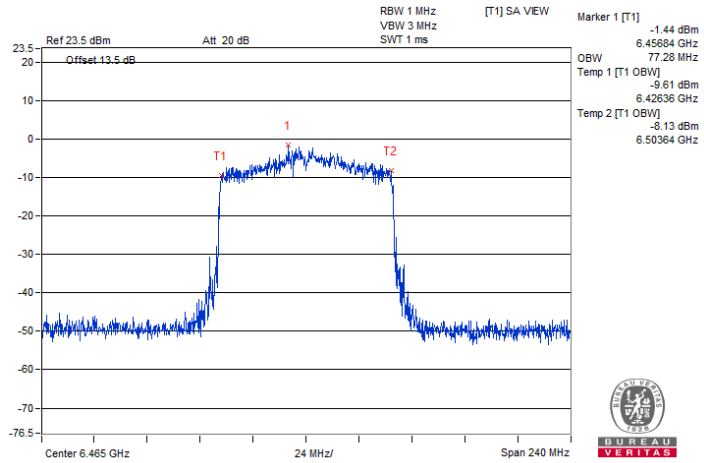
802.11a / Chain 0 : CH 149



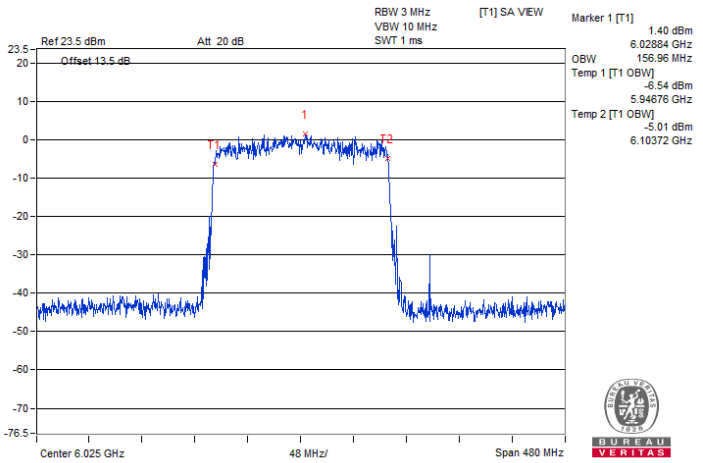
802.11be (EHT20) / Chain 0 : CH 2



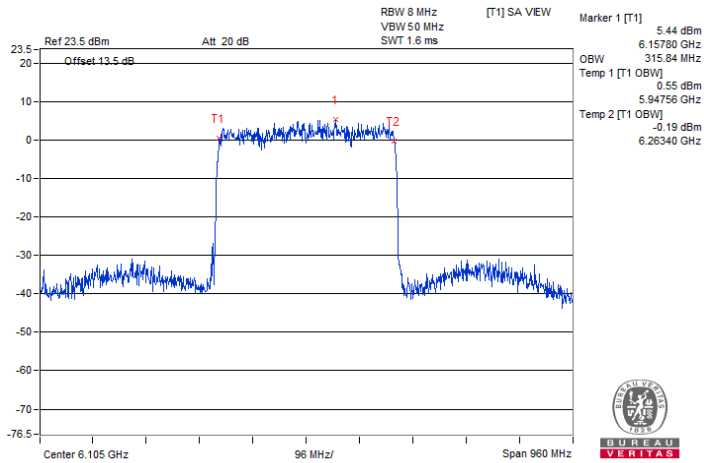
802.11be (EHT40) / Chain 0 : CH 227



802.11be (EHT80) / Chain 0 : CH 103

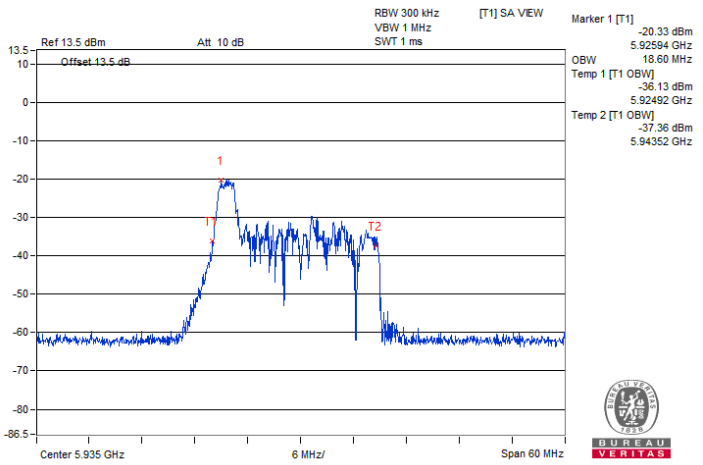


802.11be (EHT160) / Chain 0 : CH 15

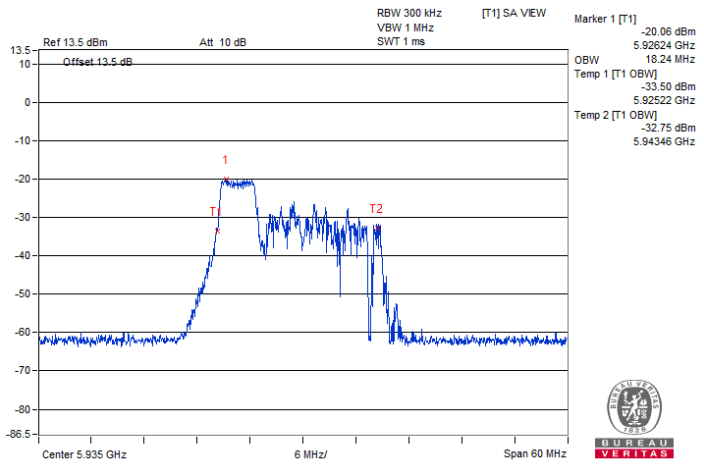


802.11be (EHT320) / Chain 0 : CH 31

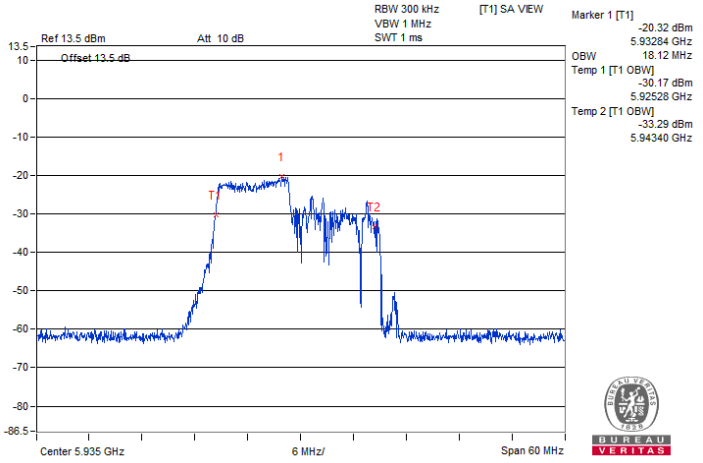
Spectrum Plot of Maximum Value



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



802.11be (EHT20) 52-tone RU / Chain 1 : CH 2@37



802.11be (EHT20) 106-tone RU / Chain 1 : CH 2@53

Mode C

Input Power:	3.3 Vdc	Environmental Conditions:	24°C, 62% RH	Tested By:	Eric Peng

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
2	5935	16.80	16.74
1	5955	16.92	16.80
45	6175	16.80	16.68
93	6415	16.74	16.80
117	6535	16.86	16.80
149	6695	16.86	16.80
181	6855	16.86	16.80

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
2	5935	19.02	19.02
1	5955	18.90	19.02
45	6175	18.96	19.02
93	6415	19.02	18.96
117	6535	18.96	19.02
149	6695	18.90	18.90
181	6855	18.96	18.90

802.11be (EHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
3	5965	37.80	37.92
43	6165	38.04	38.04
91	6405	37.92	38.04
123	6565	37.92	38.04
155	6725	37.92	38.04
179	6845	38.16	38.04

802.11be (EHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
7	5985	76.80	76.80
39	6145	76.56	76.32
87	6385	76.80	76.80
135	6625	76.56	76.56
151	6705	77.04	76.80
167	6785	76.80	76.80

802.11be (EHT160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
15	6025	157.44	156.48
47	6185	156.48	156.48
79	6345	157.44	156.48
143	6665	156.96	156.48

802.11be (EHT320)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
31	6105	315.84	318.72	320	Pass
63	6265	314.88	315.84	320	Pass

802.11be (EHT20) 26-tone RU SP

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
2	5935	18.60	18.36
1	5955	18.24	18.12
45	6175	18.24	18.18
93	6415	18.48	18.30
117	6535	17.76	17.88
149	6695	17.76	18.30
181	6855	18.42	18.42

802.11be (EHT20) 52-tone RU SP

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
2	5935	18.18	18.24
1	5955	18.06	17.70
45	6175	17.88	17.88
93	6415	17.82	18.18
117	6535	17.82	18.18
149	6695	17.82	17.28
181	6855	18.12	17.64

802.11be (EHT20) 106-tone RU SP

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
2	5935	17.82	18.12
1	5955	18.00	18.12
45	6175	17.82	17.94
93	6415	17.58	17.76
117	6535	17.82	17.94
149	6695	18.00	18.06
181	6855	17.88	17.94

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

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
7	5985	77.28	77.28
135	6625	91.92	87.60

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

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
15	6025	157.92	157.44
143	6665	157.40	157.20

802.11be (EHT320) 2x996+484-tone MRU SP

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
31	6105	238.08	237.12	320	Pass

802.11be (EHT320) 3x996-tone MRU SP

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
31	6105	237.12	235.20	320	Pass

802.11be (EHT320) 3x996+484-tone MRU SP

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
31	6105	316.80	315.84	320	Pass

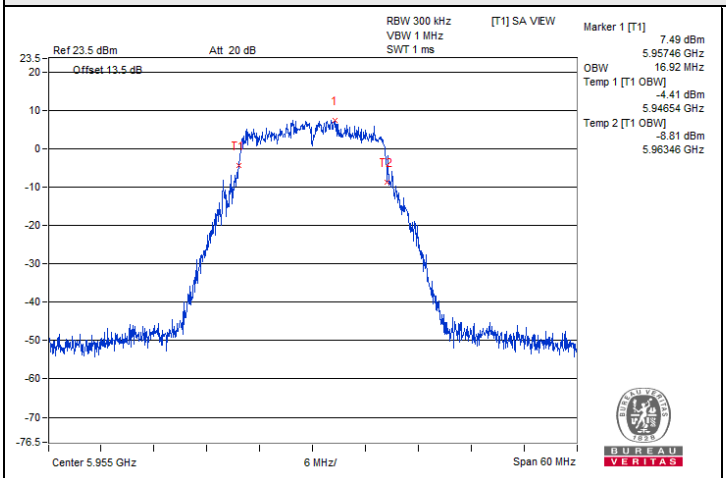
802.11be (EHT80) Punctured by 20 MHz SP

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
7	5985	77.52	77.28
135	6625	77.76	77.52

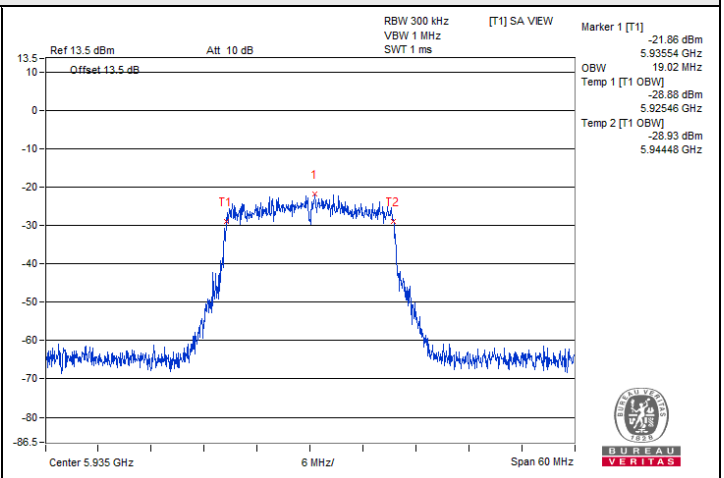
802.11be (EHT160) Punctured by 40 MHz SP

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
15	6025	157.44	158.40

Spectrum Plot of Maximum Value

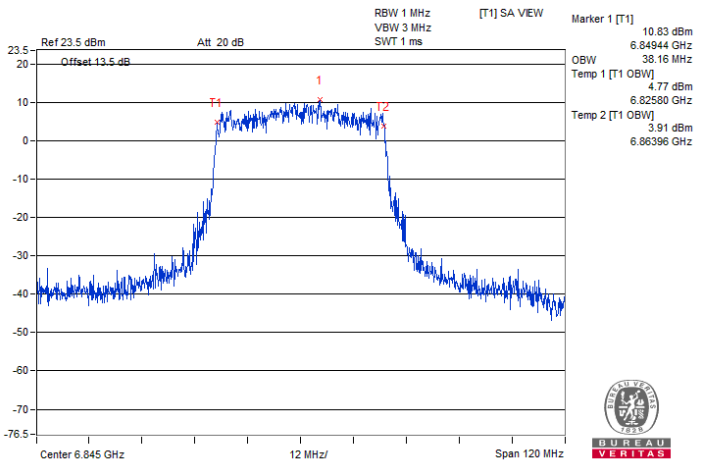


802.11a / Chain 0 : CH 1

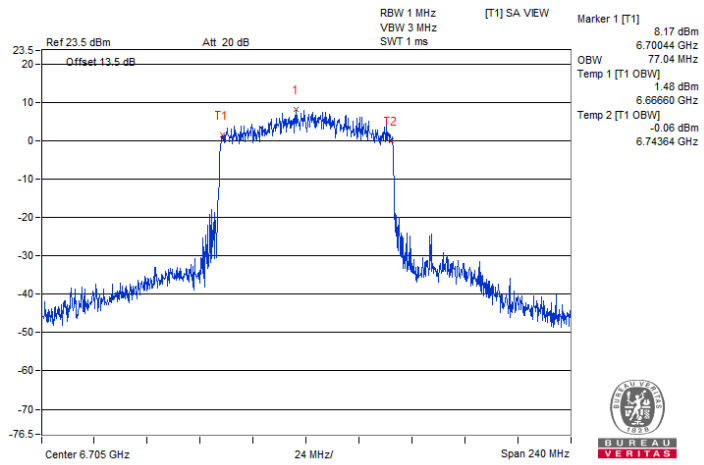


802.11be (EHT20) / Chain 0 : CH 2

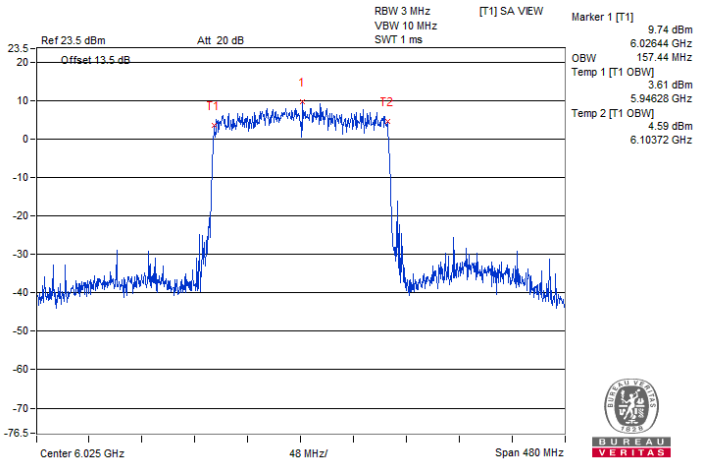
Spectrum Plot of Maximum Value



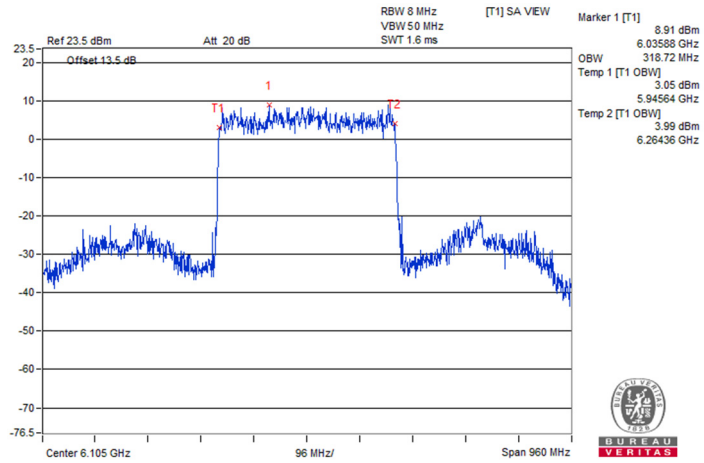
802.11be (EHT40) / Chain 0 : CH 179



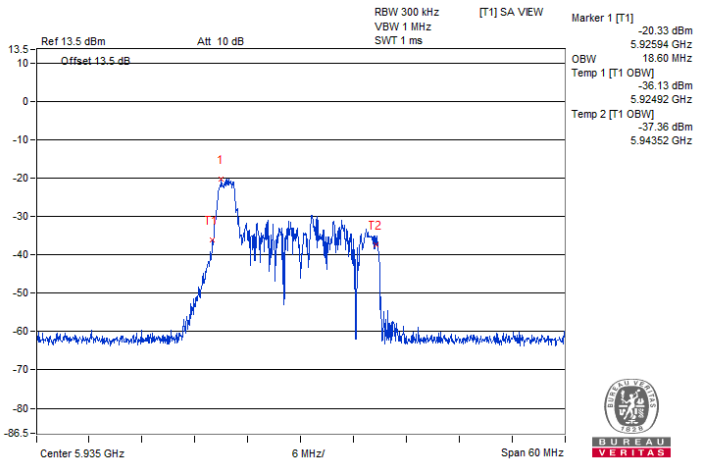
802.11be (EHT80) / Chain 0 : CH 151



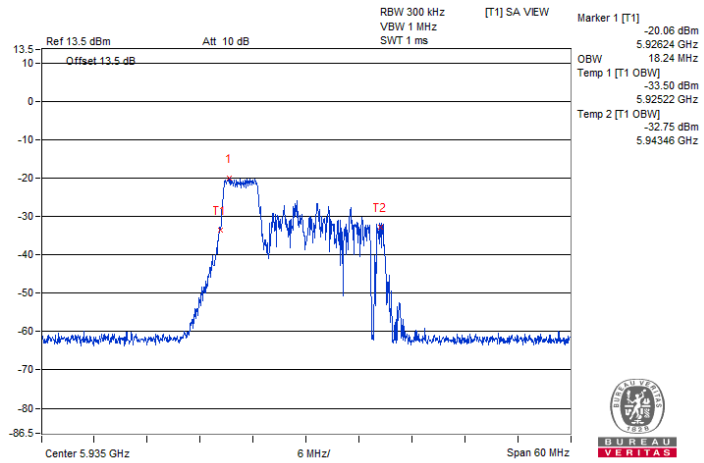
802.11be (EHT160) / Chain 0 : CH 15



802.11be (EHT320) / Chain 1 : CH 31

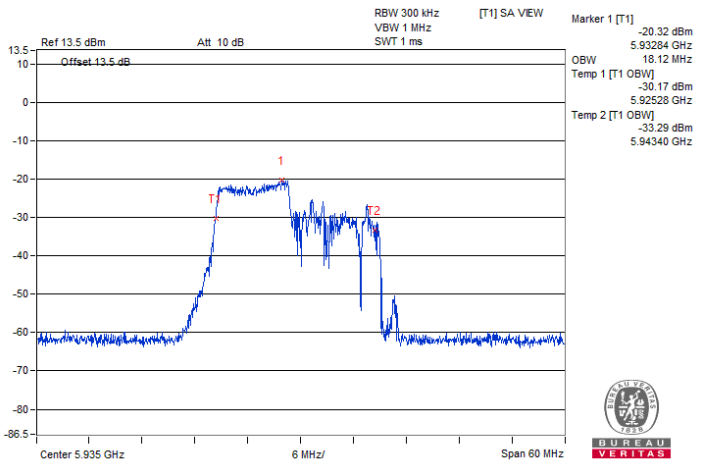


802.11be (EHT20) 26-tone RU SP / Chain 0 : CH 2@0

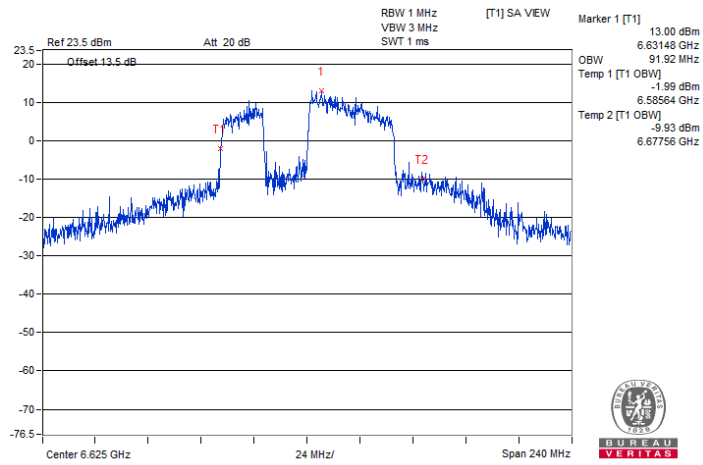


802.11be (EHT20) 52-tone RU SP / Chain 1 : CH 2@37

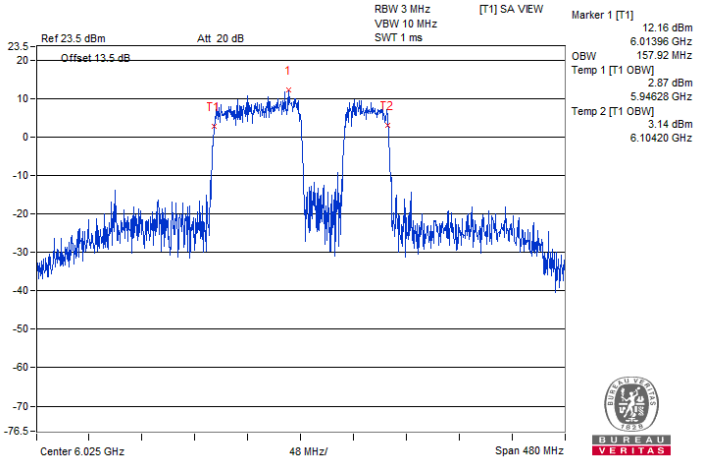
Spectrum Plot of Maximum Value



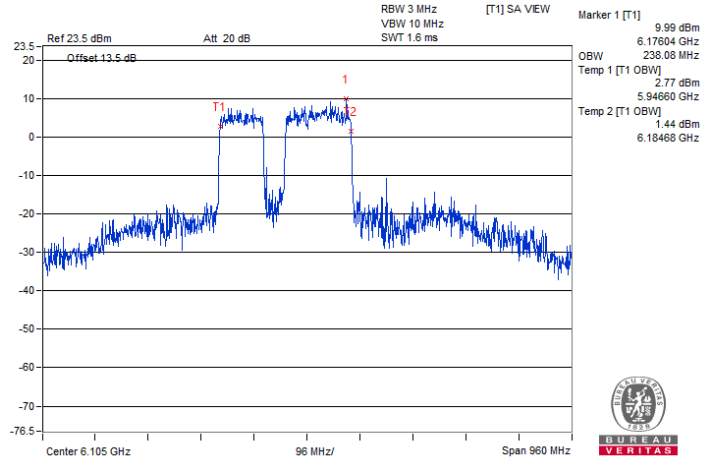
802.11be (EHT20) 106-tone RU SP / Chain 1 : CH 2@53



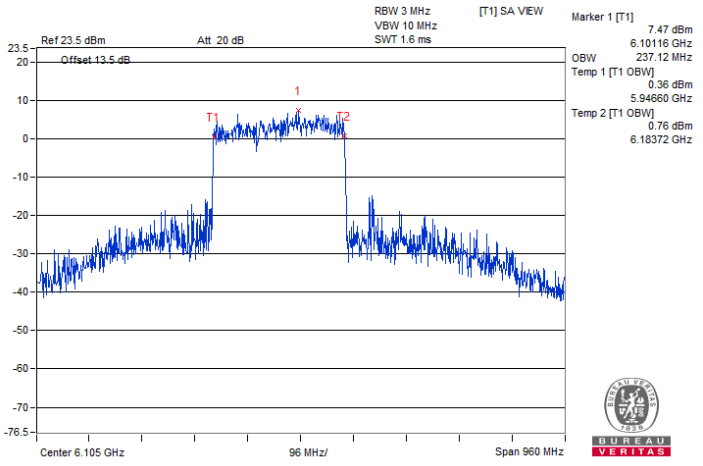
802.11be (EHT80) 484+242-tone MRU SP / Chain 0 : CH 135@3



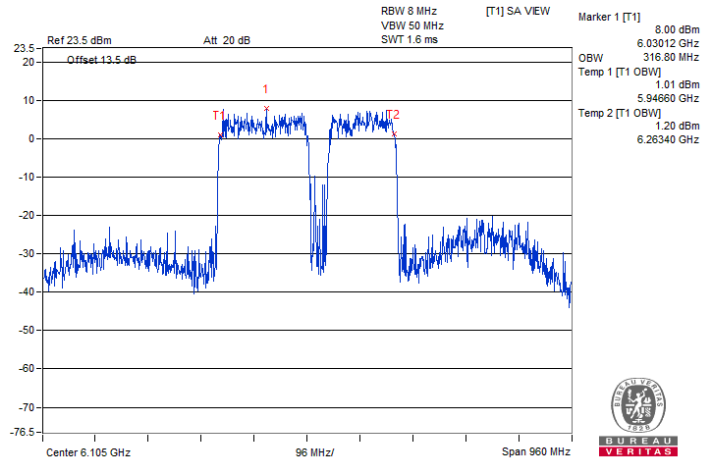
802.11be (EHT160) 996+484-tone MRU SP / Chain 0 : CH 15@3



802.11be (EHT320) 2x996+484-tone MRU SP / Chain 0 : CH 31@3

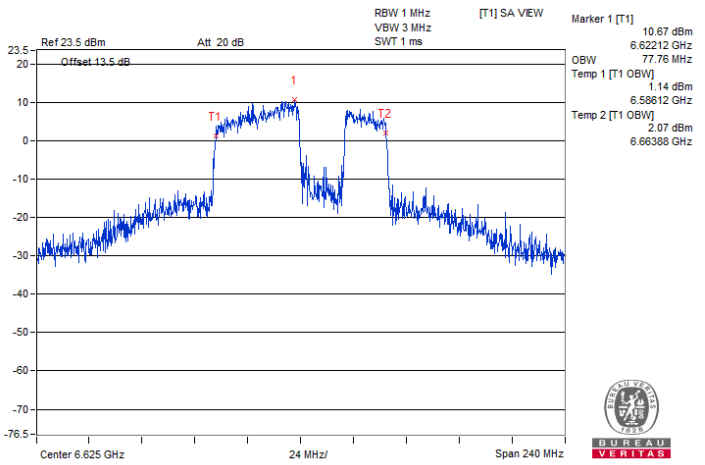


802.11be (EHT320) 3x996-tone MRU SP / Chain 0 : CH 31@3

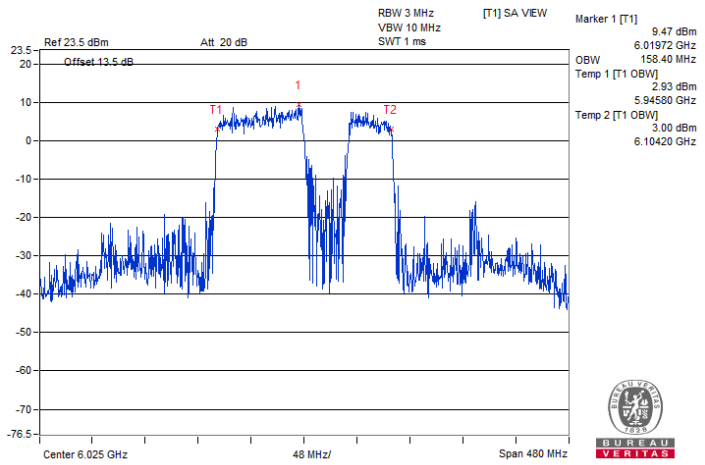


802.11be (EHT320) 3x996+484-tone MRU SP / Chain 0 : CH 31@5

Spectrum Plot of Maximum Value



802.11be (EHT80) Punctured by 20 MHz SP / Chain 0 : CH 135@3



802.11be (EHT160) Punctured by 40 MHz SP / Chain 1 : CH 15@11

7.6 Frequency Stability

Mode A

Input Power:	3.3 Vdc	Environmental Conditions:	24°C, 61% RH	Tested By:	Eric Peng

802.11a

Frequency Stability Versus Temperature									
Operating Frequency: 5935 MHz									
Temp. (℃)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
70	3.3	5935.0074	Pass	5935.0061	Pass	5935.0085	Pass	5935.0074	Pass
60	3.3	5934.9919	Pass	5934.9931	Pass	5934.9911	Pass	5934.9911	Pass
50	3.3	5934.987	Pass	5934.9842	Pass	5934.9867	Pass	5934.9822	Pass
40	3.3	5934.994	Pass	5934.996	Pass	5934.9944	Pass	5934.9949	Pass
30	3.3	5935.0133	Pass	5935.013	Pass	5935.0123	Pass	5935.0144	Pass
20	3.3	5935.0048	Pass	5935.0073	Pass	5935.0101	Pass	5935.0048	Pass
10	3.3	5935.0276	Pass	5935.028	Pass	5935.0297	Pass	5935.0321	Pass
0	3.3	5934.9687	Pass	5934.9699	Pass	5934.9693	Pass	5934.9726	Pass
-10	3.3	5934.9789	Pass	5934.9812	Pass	5934.9775	Pass	5934.9784	Pass
-20	3.3	5934.985	Pass	5934.9861	Pass	5934.9802	Pass	5934.9859	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5935 MHz									
Temp. (℃)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	3.795	5934.9963	Pass	5934.9955	Pass	5934.9963	Pass	5934.9938	Pass
	3.3	5935.0048	Pass	5935.0073	Pass	5935.0101	Pass	5935.0048	Pass
	2.805	5935.0083	Pass	5935.0102	Pass	5935.0106	Pass	5935.005	Pass

7.7 Contention-based Protocol

Mode A

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Tobey Chen

Companion Device Information			
Product	**Brand**	**Model No.**	**Software/Firmware Version**
WiFi Evaluation AP	Qualcomm	RDP433	IPQ9574.ILQ.12.1-00307-P-1

Note: Device does not use channel puncturing but does use bandwidth reduction for CBP function.

For U-NII-5

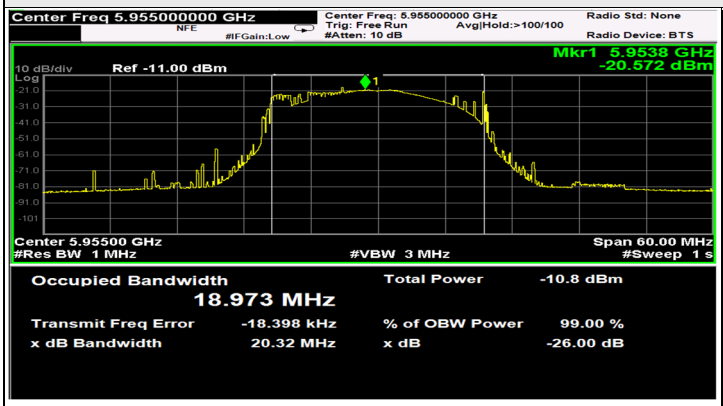
Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11be	20	1	5955	5955	-64.09	4.75	0	-68.84	-62	OFF
					-64.59	4.75	0	-69.34	-62	Minimal
					-77.25	4.75	0	-82	-62	ON
	320	31	6105	5950	-64.11	4.75	0	-68.86	-62	OFF
					-64.61	4.75	0	-69.36	-62	Minimal
					-77.25	4.75	0	-82	-62	ON
				6105	-64.08	4.75	0	-68.83	-62	OFF
					-64.58	4.75	0	-69.33	-62	Minimal
					-77.25	4.75	0	-82	-62	ON
				6260	-64.13	4.75	0	-68.88	-62	OFF
					-64.63	4.75	0	-69.38	-62	Minimal
					-77.25	4.75	0	-82	-62	ON

Notes:

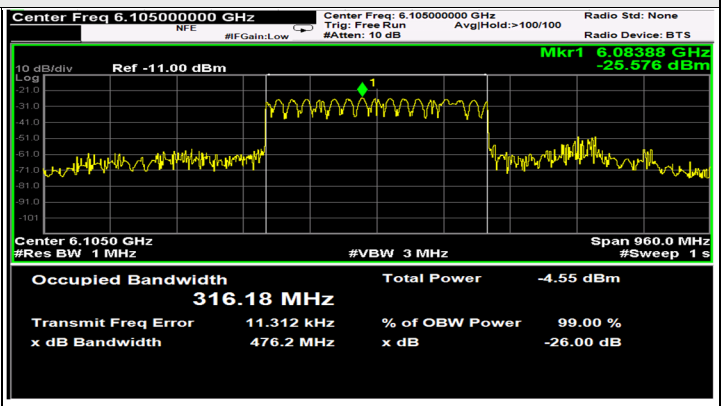
1. After investigation (consider antenna gain and path loss) , the one representative port (Chain 0) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.

Contention Based Protocol Detection Probability														
Operation Mode	Channel Bandwidth (MHz)	AWGN Signal Freq. (MHz)	#01	#02	#03	#04	#05	#06	#07	#08	#09	#10	Detection Probability	Detection Limit	Test Result
802.11be	20	5955	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
	320	5950	v	v	v	v	v	x	v	v	v	v	90%	90%	Pass
		6105	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6260	v	v	v	v	v	v	v	v	x	v	90%	90%	Pass

Plots of EUT Tx waveform



802.11be (EHT20) / CH1



802.11be (EHT320) / CH31