TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 15, Subpart E (Section 15.407)**
Report No.:	RFBWIN-WTW-P23020421M
FCC ID:	J9C-QCNCM825
Product:	Qualcomm WiFi 7/BT Combo module
Brand:	Qualcomm
Model No.:	QCNCM825
Received Date:	2024/7/30
Test Date:	2024/8/29 ~ 2024/12/10
Issued Date:	2024/12/30
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:** 2024/12/30

Wen Yu / Assistant Manager

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Prepared by : Phoenix Huang / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBWIN-WTW-P23020421M	Original release.	2024/12/30

1 Certificate

Product:	Qualcomm WiFi 7/BT Combo module
Brand:	Qualcomm
Test Model:	QCNCM825
Sample Status:	Engineering sample
Applicant:	Qualcomm Technologies, Inc.
Test Date:	2024/8/29 ~ 2024/12/10
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 v03 KDB 789033 D02 General UNII Test Procedure New Rules v02r01 KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(9)	Maximum RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(9)	Maximum Power Spectral Density	Pass	Meet the requirement of limit.
15.407(a)(11)	Emission Bandwidth	Pass	Meet the requirement of limit.
---	Occupied Bandwidth	-	Reference only.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -4.62 dB at 24.46094 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -3.7 dB at 303.81 MHz
15.407(b)(6) 15.407(b)(10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.06 dB at 5924.98 MHz
15.407(b)(7)	In-Band Emission Mask	Pass	Meet the requirement of limit.
15.407(d)(6)	Contention-based Protocol	Pass	Meet the requirement of limit.
15.407(d)(10)	Transmit power control (TPC) mechanism	-	Refer to Note 1.
15.203	Antenna Requirement	Pass	Antenna connector is MHF 4L not a standard connector.

Notes:

1. The “Transmit power control (TPC) mechanism” testing data refer to test report (Report No.: RFBWIN-WTW-P23020421M-1).
2. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
3. Per TCBC notice, FCC allows 99% BW measurements for Wi-Fi 320MHz BW mode instead of Emission Bandwidth.

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
Maximum RF Output Power	-	1.1 dB
Maximum Power Spectral Density	-	1.3 dB
Emission Bandwidth	-	1050.00 Hz
In-Band Emission Mask	9 kHz ~ 40 GHz	2.6 dB
Occupied Bandwidth	-	1050.00 Hz
Contention-based Protocol	-	2.7 dB
AC Power Conducted Emissions	150 kHz ~ 30 MHz	1.9 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.1 dB
	30 MHz ~ 1 GHz	5.1 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.1 dB
	18 GHz ~ 40 GHz	5.3 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	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	5.935 GHz ~ 6.415 GHz 6.535 GHz ~ 6.855 GHz
Number of Channel	802.11a, 802.11ax (HE20), 802.11be (EHT20): 42 802.11ax (HE40), 802.11be (EHT40): 20 802.11ax (HE80), 802.11be (EHT80): 9 802.11ax (HE160), 802.11be (EHT160): 4 802.11be (EHT320): 2
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, 996-tone + 484-tone + 242-tone, 2 * 996-tone + 484-tone, 3 * 996-tone 3 * 996-tone + 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	**1Tx:** 5.935 GHz ~ 6.415 GHz: EIRP: 25.062 mW (13.99 dBm) 6.535 GHz ~ 6.855 GHz: EIRP: 23.442 mW (13.7 dBm) **2Tx:** 5.935 GHz ~ 6.415 GHz: EIRP: 25.007 mW (13.98 dBm) 6.535 GHz ~ 6.855 GHz: EIRP: 24.752 mW (13.94 dBm)
Equipment Class	6VL: 15E 6 GHz Very low power devices

Note:

1. This is a supplementary report of FCC ID: J9C-QCNCM825. The differences between them are as below information:
   - Add 6VL equipment class.
2. According to above conditions, all of test items need to be performed. And all data was verified to meet the requirements. For Transmit power control (TPC) mechanism test item refer to Report No.: RFBWIN-WTW-P23020421M-1
3. The module has below variant designs as following table:

SKU No.	Support platform system and feature
NCM825	X86 platform, support DBS
NCM825A	Qualcomm platform, support DBS

4. There are Bluetooth and WLAN (2.4 GHz & 5 GHz & 6 GHz) technology used for the EUT.
5. 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

6. The EUT support OFDMA and Partial RU mode, therefore partial RU combination were investigated and the worst case scenario was identified.
7. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna Set	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)	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 5.15~5.25 5.25~5.35 5.47~5.725 5.725~5.850	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 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	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 5.150~5.250 5.250~5.350 5.470~5.725 5.725~5.850 5.850~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	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 / 1TX	2RX
802.11ax (HE20)	2TX / 1TX	2RX
802.11ax (HE40)	2TX / 1TX	2RX
802.11ax (HE80)	2TX / 1TX	2RX
802.11ax (HE160)	2TX / 1TX	2RX
802.11be (EHT20)	2TX / 1TX	2RX
802.11be (EHT40)	2TX / 1TX	2RX
802.11be (EHT80)	2TX / 1TX	2RX
802.11be (EHT160)	2TX / 1TX	2RX
802.11be (EHT320)	2TX / 1TX	2RX
802.11ax (RU26/52/106/242/484/996/2*996)	2TX / 1TX	2RX
802.11be (RU26/52/106/242/484/996/2*996/4*996/ MRU52+26/106+26/484+242/996+484/ 996+484+242/ 2*996+484/3*996/3*996+484)	2TX / 1TX	2RX
Note: 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:

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

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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

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

Channel	Frequency	Channel	Frequency	Channel	Frequency
135	6625 MHz	151	6705 MHz	167	6785 MHz

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

Channel	Frequency
143	6665 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Test Item	EUT Configure Mode	Mode	Signal Mode	Tx Condition	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Maximum Power Spectral Density	A	802.11a	Nss1	1Tx / 2Tx	2, 1, 45, 93	BPSK	6Mb/s	NA
					117, 149, 181			NA
		802.11be (EHT20)	Nss1	1Tx / 2Tx	2, 1, 45, 93	BPSK	MCS0	NA
					117, 149, 181			NA
		802.11be (EHT40)			3, 43, 91			NA
					123, 155, 179			NA
		802.11be (EHT80)			7, 39, 87			NA
					135, 151, 167			NA
		802.11be (EHT160)			15, 47, 79			NA
					143			NA
		802.11be (EHT320)			31, 63			NA
		802.11be (EHT20) 26-tone RU			2, 1, 45, 93			0, 0, 0, 8
					117, 149, 181			0, 0, 8
		802.11be (EHT20) 52-tone RU			2, 1, 45, 93			37, 37, 37, 40
					117, 149, 181			37, 37, 40
		802.11be (EHT20) 106-tone RU			2, 1, 45, 93			53, 53, 53, 54
					117, 149, 181			53, 53, 54
		802.11be (EHT20) 242-tone RU			2, 1, 45, 93			61,61, 61, 61
					117, 149, 181			61, 61, 61
		802.11be (EHT40) 484-tone RU			3, 43, 91			65, 65, 65
					123, 155, 179			65, 65, 65
		802.11be (EHT80) 996-tone RU			7, 39, 87			67, 67, 67
					135, 151, 167			67, 67, 67
		802.11be (EHT160) 2x996-tone RU			15, 47, 79			68, 68, 68
					143			68
		802.11be (EHT20) 52+26-tone MRU			1			UL_RU52+26_Low_70_MCS0
					117			UL_RU52+26_High_72_MCS0
		802.11be (EHT20) 106+26-tone MRU			1			UL_RU106+26_Low_82_MCS0
					117			UL_RU106+26_High_83_MCS0
		802.11be (EHT80) 484+242-tone MRU			7			UL_RU484+242_Punc20_91_MCS0
					167			
		802.11be (EHT160) 996+484-tone MRU			15			UL_RU996+484_Punc40_MCS0
					143			
		802.11be (EHT320) 2x996+484-tone MRU			63			UL_RU996x2+484_Low_MCS0
		802.11be (EHT320) 3x996-tone MRU			63			UL_RU996x3_Low_MCS0
		802.11be (EHT320) 3x996+484-tone MRU			63			UL_RU996x3+484_Low_MCS0

Test Item	EUT Configure Mode	Mode	Signal Mode	Tx Condition	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Maximum Power Spectral Density	A	802.11be (EHT80) Punctured by 20 MHz	Nss1	1Tx / 2Tx	7	BPSK	MCS0	EHT80_SU_Punct20_Mid2
					167			
		802.11be (EHT160) Punctured by 20 MHz			15			EHT160_SU_Punct20_High
					143			
		802.11be (EHT160) Punctured by 40 MHz			15			EHT160_SU_Punct40_High
					143			
		802.11be (EHT320) Punctured by 40 MHz			63			EHT320_SU_Punct40_Mid2
		802.11be (EHT320) Punctured by 80 MHz			63			EHT320_SU_Punct80_Mid2
		802.11be (EHT320) Punctured by 80+40 MHz			63			EHT320_SU_Punct120_Mid
Maximum RF Output Power	A	802.11a	Nss1	1Tx / 2Tx	2, 1, 45, 93	BPSK	6Mb/s	NA
					117, 149, 181			NA
		802.11be (EHT20)	Nss1	1Tx / 2Tx	2, 1, 45, 93	BPSK	MCS0	NA
					117, 149, 181			NA
		802.11be (EHT40)			3, 43, 91			NA
					123, 155, 179			NA
		802.11be (EHT80)			7, 39, 87			NA
					135, 151, 167			NA
		802.11be (EHT160)			15, 47, 79			NA
					143			NA
		802.11be (EHT320)			31, 63			NA
		802.11be (EHT20) 26-tone RU			2, 1, 45, 93			0, 0, 0, 8
					117, 149, 181			0, 0, 8
		802.11be (EHT20) 52-tone RU			2, 1, 45, 93			37, 37, 37, 40
					117, 149, 181			37, 37, 40
		802.11be (EHT20) 106-tone RU			2, 1, 45, 93			53, 53, 53, 54
					117, 149, 181			53, 53, 54
		802.11be (EHT20) 242-tone RU			2, 1, 45, 93			61,61, 61, 61
					117, 149, 181			61, 61, 61
		802.11be (EHT40) 484-tone RU			3, 43, 91			65, 65, 65
					123, 155, 179			65, 65, 65
		802.11be (EHT80) 996-tone RU			7, 39, 87			67, 67, 67
					135, 151, 167			67, 67, 67
		802.11be (EHT160) 2x996-tone RU			15, 47, 79			68, 68, 68
					143			68
		802.11be (EHT20) 52+26-tone MRU			1			UL_RU52+26_Low_70_MCS0
					117			UL_RU52+26_High_72_MCS0
		802.11be (EHT20) 106+26-tone MRU			1			UL_RU106+26_Low_82_MCS0
					117			UL_RU106+26_High_83_MCS0

Test Item	EUT Configure Mode	Mode	Signal Mode	Tx Condition	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Maximum RF Output Power	A	802.11be (EHT80) 484+242-tone MRU	Nss1	1Tx / 2Tx	7	BPSK	MCS0	UL_RU484+242_Punc20_91_MCS0
					167			
		802.11be (EHT160) 996+484-tone MRU			15			UL_RU996+484_Punc40_MCS0
					143			
		802.11be (EHT320) 2x996+484-tone MRU			63			UL_RU996x2+484_Low_MCS0
		802.11be (EHT320) 3x996-tone MRU						UL_RU996x3_Low_MCS0
		802.11be (EHT320) 3x996+484-tone MRU						UL_RU996x3+484_Low_MCS0
		802.11be (EHT80) Punctured by 20 MHz			7			EHT80_SU_Punct20_Mid2
					167			
		802.11be (EHT160) Punctured by 20 MHz			15			EHT160_SU_Punct20_High
					143			
		802.11be (EHT160) Punctured by 40 MHz			15			EHT160_SU_Punct40_High
					143			
		802.11be (EHT320) Punctured by 40 MHz			63			EHT320_SU_Punct40_Mid2
		802.11be (EHT320) Punctured by 80 MHz			63			EHT320_SU_Punct80_Mid2
		802.11be (EHT320) Punctured by 80+40 MHz			63			EHT320_SU_Punct120_Mid
Maximum RF Output Power	D	802.11be (EHT20)	Nss2	1Tx / 2Tx	2, 1, 45, 93	BPSK	MCS0	NA
					117, 149, 181			NA
		802.11be (EHT40)			3, 43, 91			NA
					123, 155, 179			NA
		802.11be (EHT80)			7, 39, 87			NA
					135, 151, 167			NA
		802.11be (EHT20) 26-tone RU			2, 1, 45, 93			0, 0, 0, 8
					117, 149, 181			0, 0, 8, 8
		802.11be (EHT20) 52-tone RU			2, 1, 45, 93			37, 37, 37, 40
					117, 149, 181			37, 37, 40, 40
		802.11be (EHT20) 106-tone RU			2, 1, 45, 93			53, 53, 53, 54
					117, 149, 181			53, 53, 54, 54
		802.11be (EHT20) 52+26-toneMRU			1			UL_RU52+26_Low_70_MCS0
					117			UL_RU52+26_High_72_MCS0
		802.11be (EHT20) 106+26-tone MRU			1			UL_RU106+26_Low_82_MCS0
					117			UL_RU106+26_High_83_MCS0
		802.11be (EHT80) 484+242-tone MRU			7			UL_RU484+242_Punc20_91_MCS0
					167			

Test Item	EUT Configure Mode	Mode	Signal Mode	Tx Condition	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Maximum RF Output Power	D	802.11be (EHT160) 996+484-tone MRU	Nss2	1Tx / 2Tx	15	BPSK	MCS0	UL_RU996+484_Punc40_MCS0
					79			
		802.11be (EHT80) Punctured by 20 MHz			7			EHT80_SU_Punct20_Mid2
					167			
		802.11be (EHT160) Punctured by 20 MHz			15			EHT160_SU_Punct20_High
					79			
		802.11be (EHT160) Punctured by 40 MHz			15			EHT160_SU_Punct40_High
					79			
		802.11be (EHT20) 242-tone RU			2, 1, 45, 93			61, 61, 61, 61
					117, 149, 181			61, 61, 61
		802.11be (EHT40) 484-tone RU			3, 43, 91			65, 65, 65
					123, 155, 179			65, 65, 65
		802.11be (EHT80) 996-tone RU			7, 39, 87			67, 67, 67
					135, 151, 167			67, 67, 67
Emission Bandwidth	A	802.11a	Nss1	1Tx / 2Tx	2, 1, 45, 93	BPSK	6Mb/s	NA
					117, 149, 181			
		802.11be (EHT20)	Nss1	1Tx / 2Tx	2, 1, 45, 93	BPSK	MCS0	NA
					117, 149, 181			
		802.11be (EHT40)			3, 43, 91			NA
					123, 155, 179			
		802.11be (EHT80)			7, 39, 87			NA
					135, 151, 167			
		802.11be (EHT160)			15, 47, 79			NA
					143			
		802.11be (EHT320)			31, 63			NA
		802.11be (EHT20) 26-tone RU			2, 1, 45, 93			0, 0, 0, 8
					117, 149, 181			0, 0, 8
		802.11be (EHT20) 52-tone RU			2, 1, 45, 93			37, 37, 37, 40
					117, 149, 181			37, 37, 40
		802.11be (EHT20) 106-tone RU			2, 1, 45, 93			53, 53, 53, 54
					117, 149, 181			53, 53, 54

Test Item	EUT Configure Mode	Mode	Signal Mode	Tx Condition	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
In-Band Emission Mask	A	802.11a	Nss1	1Tx / 2Tx	2, 1, 45, 93	BPSK	6Mb/s	NA
					117, 149, 181			
		802.11be (EHT20)	Nss1	1Tx / 2Tx	2, 1, 45, 93	BPSK	MCS0	NA
					117, 149, 181			
		802.11be (EHT40)			3, 43, 91			NA
					123, 155, 179			
		802.11be (EHT80)			7, 39, 87			NA
					135, 151, 167			
		802.11be (EHT160)			15, 47, 79			NA
					143			
		802.11be (EHT320)			31, 63			NA
		802.11be (EHT20) 26-tone RU			2, 1, 45, 93			0, 0, 0, 8
					117, 149, 181			0, 0, 8
		802.11be (EHT20) 52-tone RU			2, 1, 45, 93			37, 37, 37, 40
					117, 149, 181			37, 37, 40
		802.11be (EHT20) 106-tone RU			2, 1, 45, 93			53, 53, 53, 54
					117, 149, 181			53, 53, 54
		802.11be (EHT20) 52+26-tone MRU			2, 1, 45, 93			UL_RU52+26_Low_70_MCS0
					117, 149, 181			UL_RU52+26_High_72_MCS0
		802.11be (EHT20) 106+26-tone MRU			2, 1, 45, 93			UL_RU106+26_Low_82_MCS0
					117, 149, 181			UL_RU106+26_High_83_MCS0
		802.11be (EHT80) 484+242-tone MRU			7, 39, 87			UL_RU484+242_Punc20_91_MCS0
					135, 151, 167			UL_RU484+242_Punc20_91_MCS0
		802.11be (EHT160) 996+484-tone MRU			15, 47, 79			UL_RU996+484_Punc40_MCS0
					143			UL_RU996+484_Punc40_MCS0
		802.11be (EHT320) 2x996+484-tone MRU			31, 63			UL_RU996x2+484_Punc40_MCS0
		802.11be (EHT320) 3x996-tone MRU			31, 63			UL_RU996x3_Low_MCS0
		802.11be (EHT320) 3x996+484-tone MRU			31, 63			UL_RU996x3+484_Low_MCS0

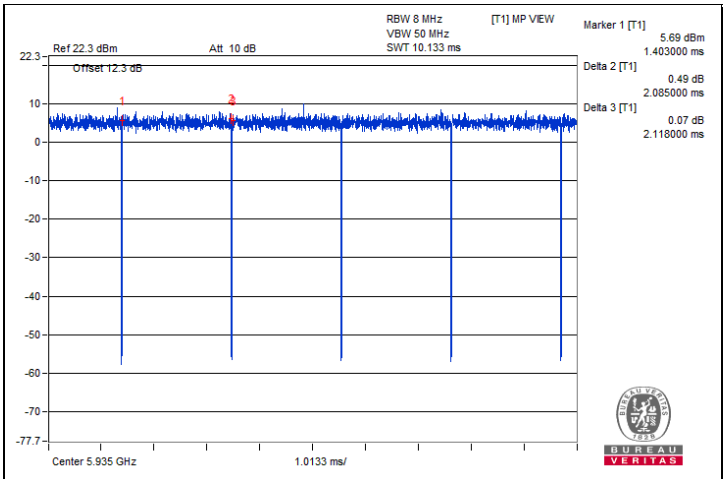
Test Item	EUT Configure Mode	Mode	Signal Mode	Tx Condition	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
In-Band Emission Mask	A	802.11be (EHT80) Punctured by 20 MHz	Nss1	1Tx / 2Tx	7, 39, 87	BPSK	MCS0	EHT80_SU_Punct20_Mid2
					135, 151, 167			EHT80_SU_Punct20_Mid2
		802.11be (EHT160) Punctured by 20 MHz			15, 47, 79			EHT160_SU_Punct20_High
					143			EHT160_SU_Punct20_High
		802.11be (EHT160) Punctured by 40 MHz			15, 47, 79			EHT160_SU_Punct40_High
					143			EHT160_SU_Punct40_High
		802.11be (EHT320) Punctured by 40 MHz			31, 63			EHT320_SU_Punct40_Mid2
		802.11be (EHT320) Punctured by 80 MHz			31, 63			EHT320_SU_Punct80_Mid2
		802.11be (EHT320) Punctured by 80+40 MHz			31, 63			EHT320_SU_Punct120_Mid
Occupied Bandwidth	A	802.11a	Nss1	1Tx / 2Tx	2, 1, 45, 93	BPSK	6Mb/s	NA
					117, 149, 181			
		802.11be (EHT20)	Nss1	1Tx / 2Tx	2, 1, 45, 93	BPSK	MCS0	NA
					117, 149, 181			
		802.11be (EHT40)			3, 43, 91			NA
					123, 155, 179			
		802.11be (EHT80)			7, 39, 87			NA
					135, 151, 167			
		802.11be (EHT160)			15, 47, 79			NA
					143			
		802.11be (EHT320)			31, 63			NA
		802.11be (EHT20) 26-tone RU			2, 1, 45, 93			0, 0, 0, 8
					117, 149, 181			0, 0, 8
		802.11be (EHT20) 52-tone RU			2, 1, 45, 93			37, 37, 37, 40
					117, 149, 181			37, 37, 40
		802.11be (EHT20) 106-tone RU			2, 1, 45, 93			53, 53, 53, 54
					117, 149, 181			53, 53, 54
Contention-based Protocol	A	802.11be (EHT20)	-	-	5	BPSK	MCS0	NA
					149			
		802.11be (EHT160)	-	-	143	BPSK	MCS0	NA
		802.11be (EHT320)	-	-	31	BPSK	MCS0	NA
AC Power Conducted Emissions	C	802.11be (EHT160)	Nss1	1Tx	15	BPSK	MCS0	-
		802.11be (EHT320)	Nss1	2Tx	63	BPSK	MCS0	-

Test Item	EUT Configure Mode	Mode	Signal Mode	Tx Condition	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Unwanted Emissions below 1 GHz	A, B	802.11be (EHT160)	Nss1	1Tx	15	BPSK	MCS0	-
		802.11be (EHT320)	Nss1	2Tx	63	BPSK	MCS0	-
Unwanted Emissions above 1 GHz	A, B	802.11a	Nss1	1Tx / 2Tx	2, 1, 45, 93	BPSK	6Mb/s	NA
					117, 149, 181			
		802.11be (EHT20)	Nss1	1Tx / 2Tx	2, 1, 45, 93	BPSK	MCS0	
					117, 149, 181			
		802.11be (EHT40)			3, 43, 91			
					123, 155, 179			
		802.11be (EHT80)			7, 39, 87			
					135, 151, 167			
		802.11be (EHT160)			15, 47, 79			
					143			
		802.11be (EHT320)			31, 63			
		802.11be (EHT20) 26-tone RU			2, 1, 45, 93			0, 0, 0, 8
					117, 149, 181			0, 0, 8
		802.11be (EHT20) 52-tone RU			2, 1, 45, 93			37, 37, 37, 40
					117, 149, 181			37, 37, 40,
		802.11be (EHT20) 106-tone RU			2, 1, 45, 93			53, 53, 53, 54
					117, 149, 181			53, 53, 54
		802.11be (EHT80) Punctured by 20 MHz			7			EHT80_SU_Punct20_Mid2
					167			
		802.11be (EHT160) Punctured by 20 MHz			15			EHT160_SU_Punct20_High
					143			
		802.11be (EHT160) Punctured by 40 MHz			15			EHT160_SU_Punct40_High
					143			
		802.11be (EHT320) Punctured by 40 MHz			63			EHT320_SU_Punct40_Mid2
		802.11be (EHT320) Punctured by 80 MHz			63			EHT320_SU_Punct80_Mid2
		802.11be (EHT320) Punctured by 80+40 MHz			63			EHT320_SU_Punct120_Mid
EUT Configure Mode:	A	EUT only (remove 50 ohm terminator and Connect to the appropriate equipment)_VLP with Nss1						
	B	EUT with 50 ohm terminator VLP with Nss1						
	C	EUT with antennas (ANT Set 2)						
	D	EUT only (remove 50 ohm terminator and Connect to the appropriate equipment)_VLP with Nss2						

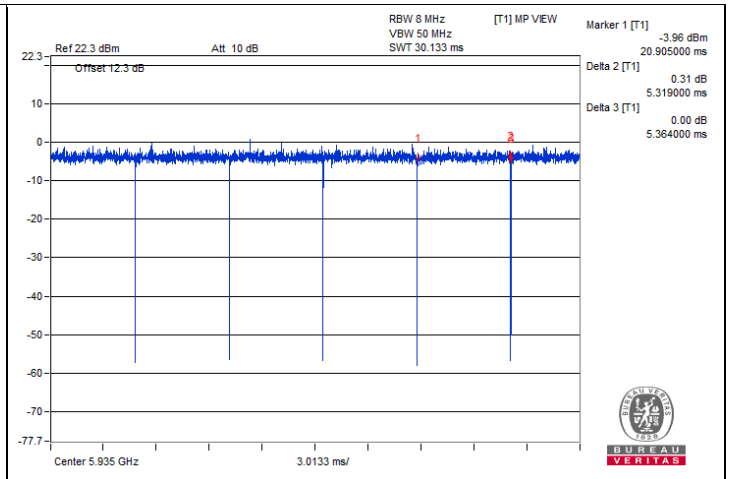
3.5 Duty Cycle of Test Signal

1TX

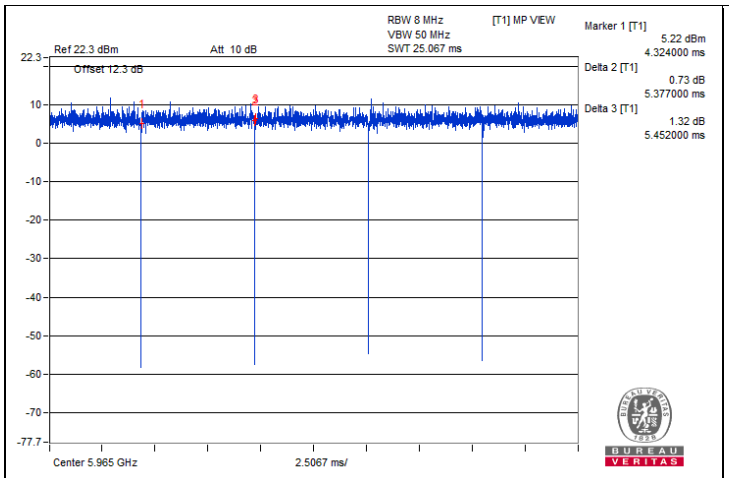
802.11a: Duty cycle = 2.085 ms / 2.118 ms x 100% = 98.4%
802.11be (EHT20): Duty cycle = 5.319 ms / 5.364 ms x 100% = 99.2%
802.11be (EHT40): Duty cycle = 5.377 ms / 5.452 ms x 100% = 98.6%
802.11be (EHT80): Duty cycle = 5.243 ms / 5.296 ms x 100% = 99.0%
802.11be (EHT160): Duty cycle = 4.39 ms / 4.46 ms x 100% = 98.4%
802.11be (EHT320): Duty cycle = 0.858 ms / 0.892 ms x 100% = 96.2%, duty factor = 10 * log (1/Duty cycle) = 0.17 dB
802.11be (EHT20) 26-tone RU: Duty cycle = 5.075 ms / 5.11 ms x 100% = 99.3%
802.11be (EHT20) 52-tone RU: Duty cycle = 5.069 ms / 5.102 ms x 100% = 99.4%
802.11be (EHT20) 106-tone RU: Duty cycle = 3.036 ms / 3.078 ms x 100% = 98.6%
802.11be (EHT20) 242-tone RU: Duty cycle = 4.65 ms / 4.69 ms x 100% = 99.1%
802.11be (EHT40) 484-tone RU: Duty cycle = 3.325 ms / 3.36 ms x 100% = 99.0%
802.11be (EHT80) 996-tone RU: Duty cycle = 1.617 ms / 1.65 ms x 100% = 98.0%
802.11be (EHT160) 2x996-tone RU:
Duty cycle = 2.139 ms / 2.184 ms x 100% = 97.9%, duty factor = 10 * log (1/Duty cycle) = 0.09 dB
802.11be (EHT20) 52+26-tone MRU: Duty cycle = 4.526 ms / 4.57 ms x 100% = 99.0%
802.11be (EHT20) 106+26-tone MRU: Duty cycle = 4.31 ms / 4.354 ms x 100% = 99.0%
802.11be (EHT80) 484+242-tone MRU:
Duty cycle = 1.105 ms / 1.14 ms x 100% = 96.9%, duty factor = 10 * log (1/Duty cycle) = 0.14 dB
802.11be (EHT160) 996+484-tone MRU:
Duty cycle = 0.922 ms / 0.949 ms x 100% = 97.2%, duty factor = 10 * log (1/Duty cycle) = 0.13 dB
802.11be (EHT320) 2x996+484-tone MRU:
Duty cycle = 0.578 ms / 0.597 ms x 100% = 96.8%, duty factor = 10 * log (1/Duty cycle) = 0.14 dB
802.11be (EHT320) 3x996-tone MRU:
Duty cycle = 0.487 ms / 0.507 ms x 100% = 96.1%, duty factor = 10 * log (1/Duty cycle) = 0.17 dB
802.11be (EHT320) 3x996+484-tone MRU:
Duty cycle = 0.43 ms / 0.448 ms x 100% = 96.0%, duty factor = 10 * log (1/Duty cycle) = 0.18 dB
802.11be (EHT80) Punctured by 20 MHz: Duty cycle = 5.389 ms / 5.45 ms x 100% = 98.9%
802.11be (EHT160) Punctured by 20 MHz: Duty cycle = 4.5 ms / 4.56 ms x 100% = 98.7%
802.11be (EHT160) Punctured by 40 MHz: Duty cycle = 4.72 ms / 4.77 ms x 100% = 99.0%
802.11be (EHT320) Punctured by 40 MHz: Duty cycle = 4.03 ms / 4.075 ms x 100% = 98.9%
802.11be (EHT320) Punctured by 80 MHz: Duty cycle = 4.13 ms / 4.195 ms x 100% = 98.5%
802.11be (EHT320) Punctured by 80+40 MHz: Duty cycle = 4.215 ms / 4.24 ms x 100% = 99.4%



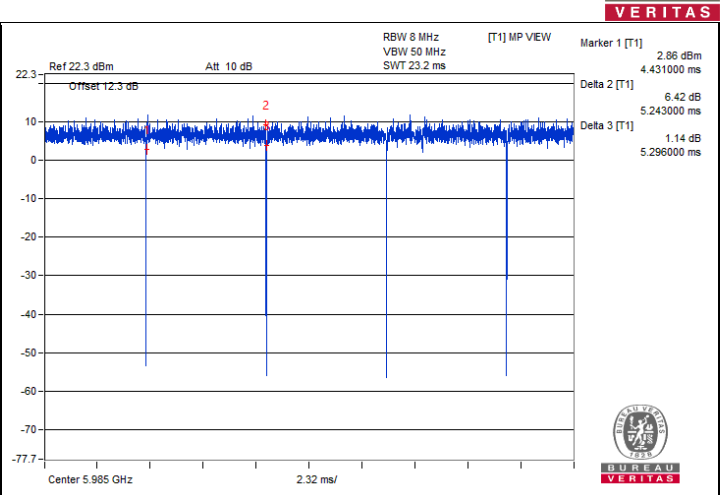
802.11a



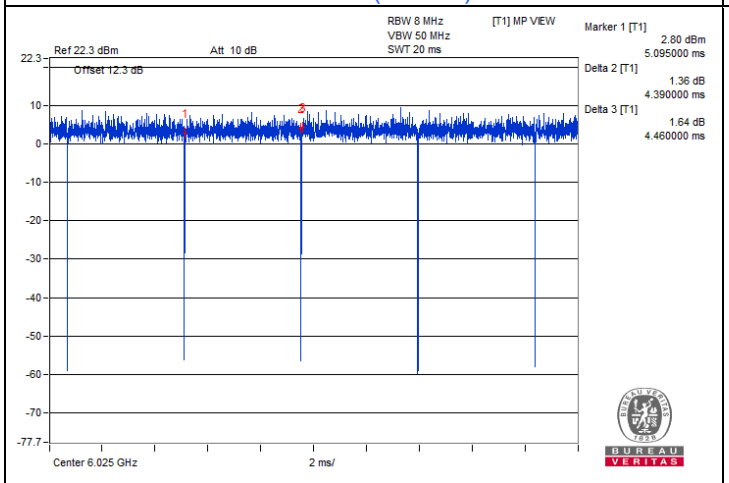
802.11be (EHT20)



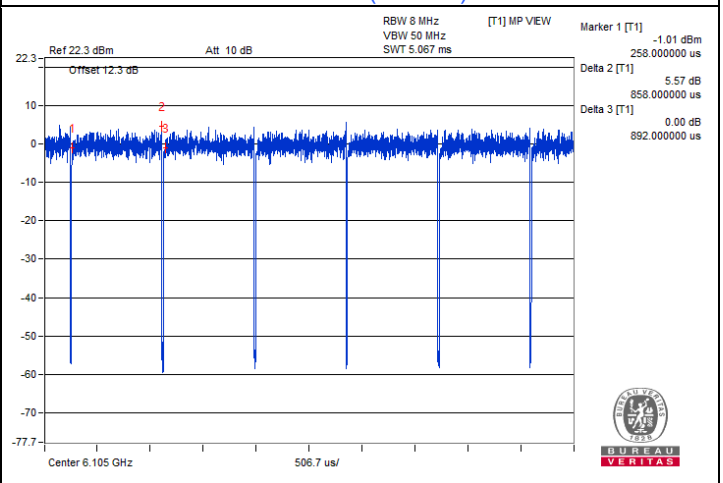
802.11be (EHT40)



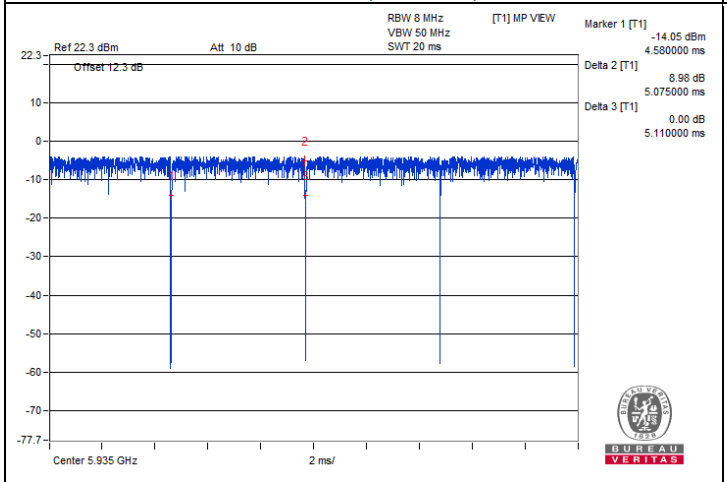
802.11be (EHT80)



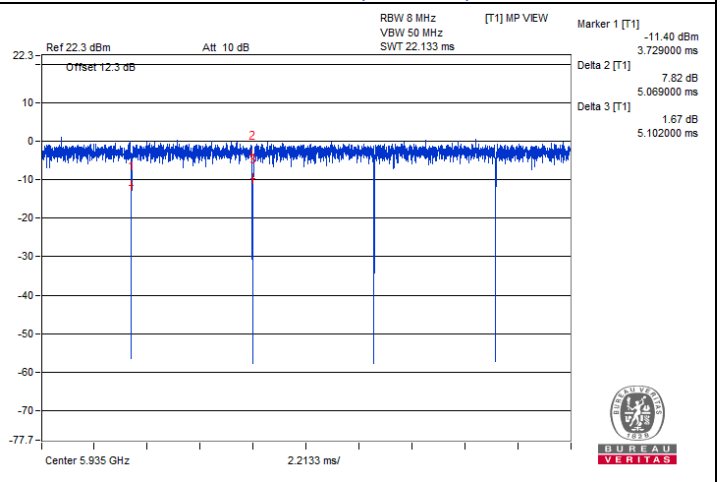
802.11be (EHT160)



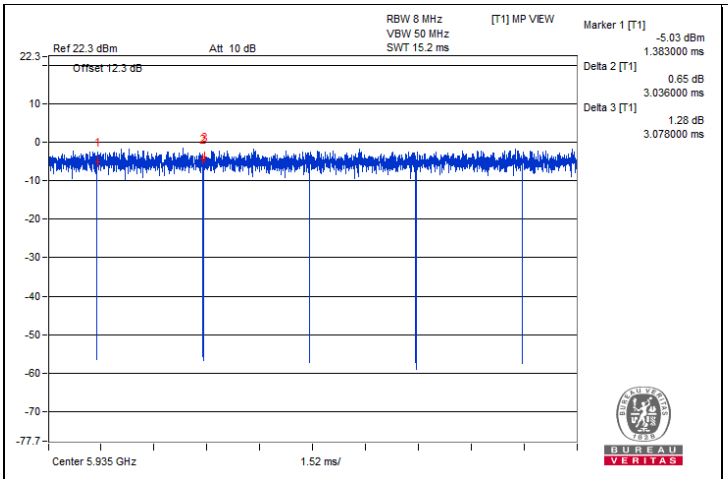
802.11be (EHT320)



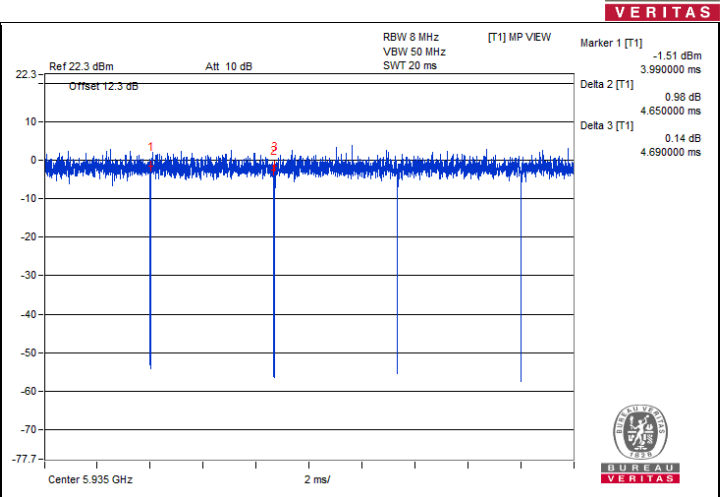
802.11be (EHT20) 26-tone RU



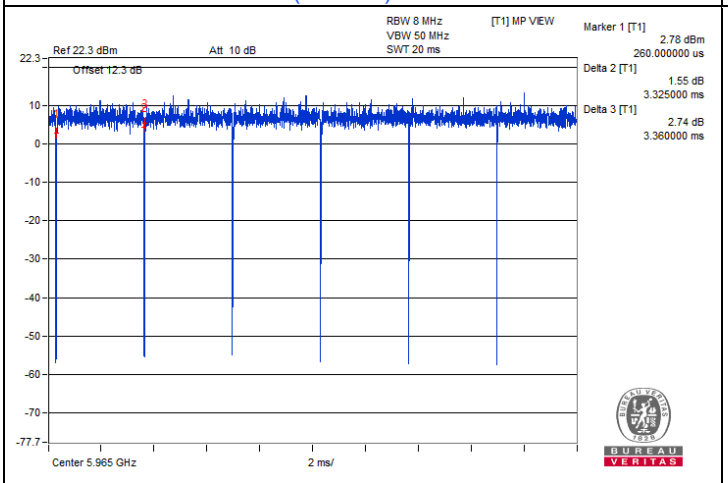
802.11be (EHT20) 52-tone RU



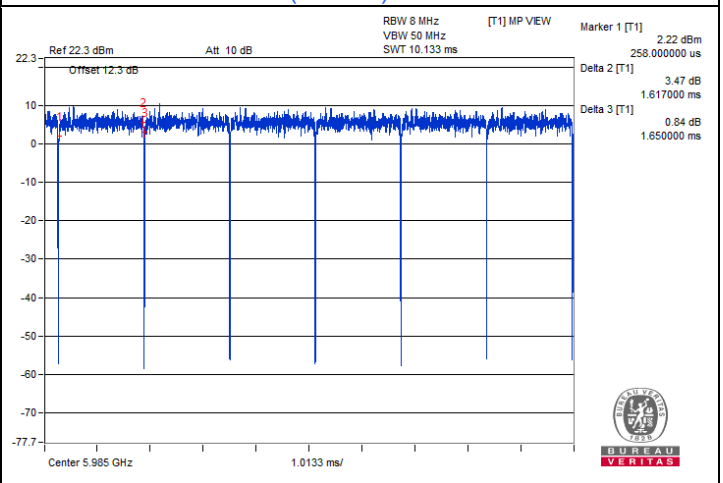
802.11be (EHT20) 106-tone RU



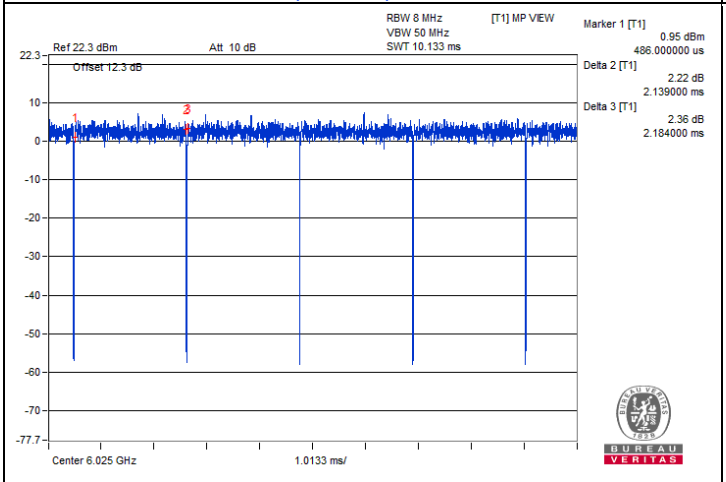
802.11be (EHT20) 242-tone RU



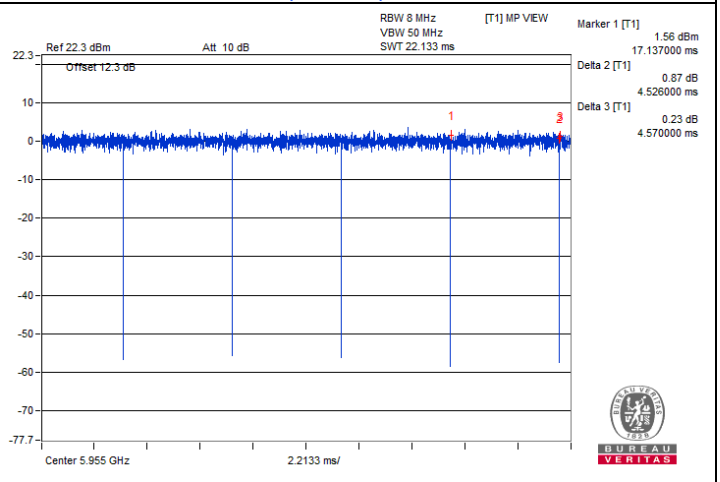
802.11be (EHT40) 484-tone RU



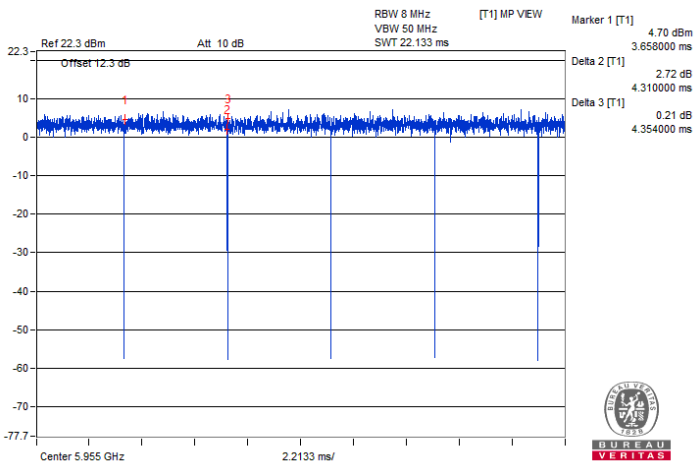
802.11be (EHT80) 996-tone RU



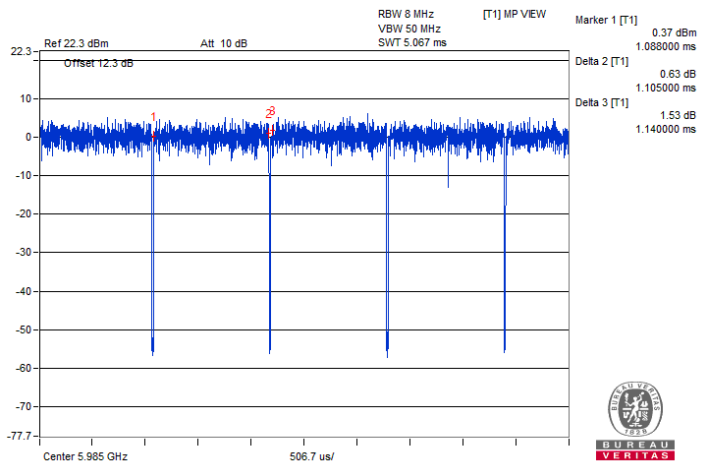
802.11be (EHT160) 2x996-tone RU



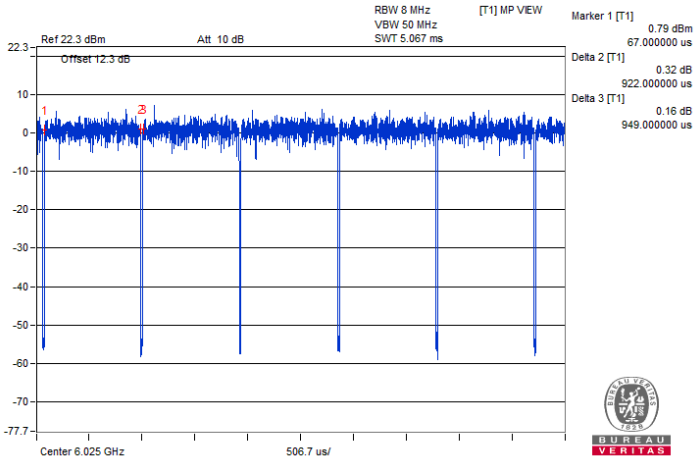
802.11be (EHT20) 52+26-tone MRU



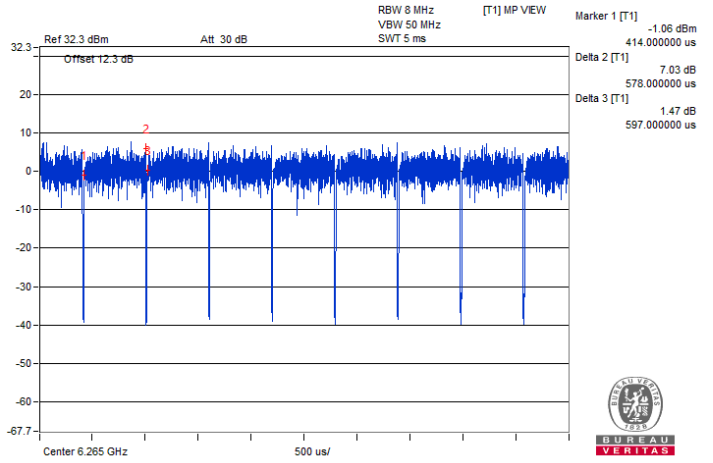
802.11be (EHT20) 106+26-tone MRU



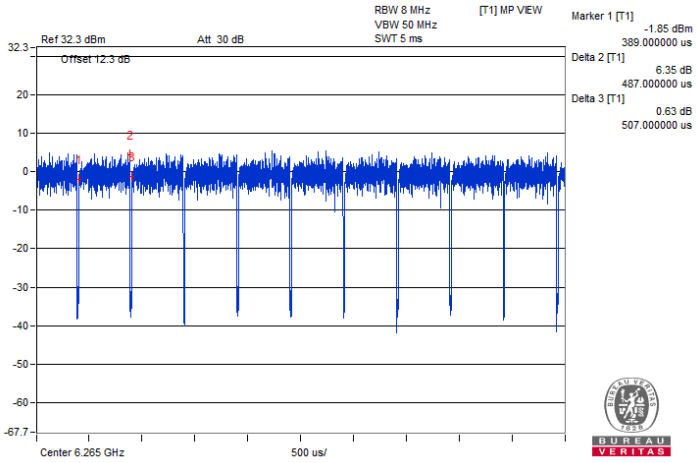
802.11be (EHT80) 484+242-tone MRU



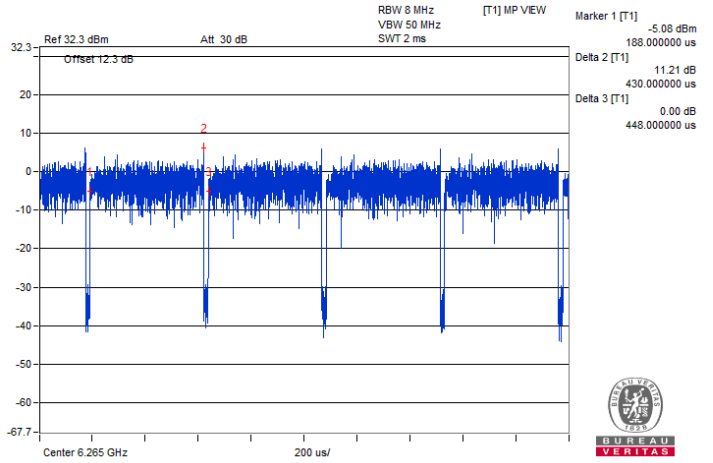
802.11be (EHT160) 996+484-tone MRU



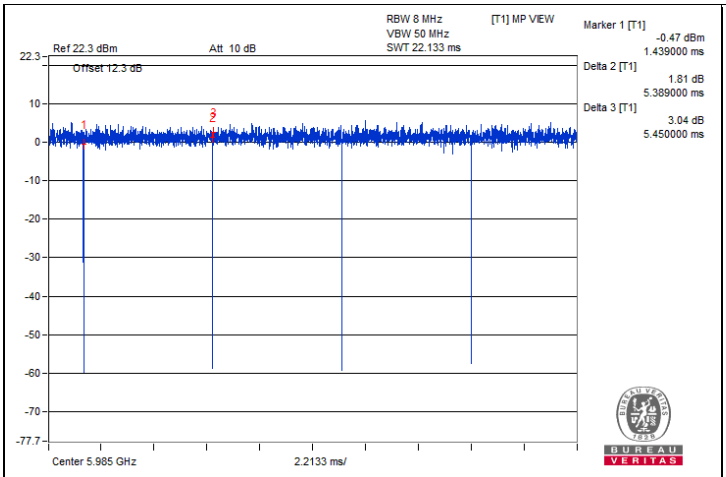
802.11be (EHT320) 2x996+484-tone MRU



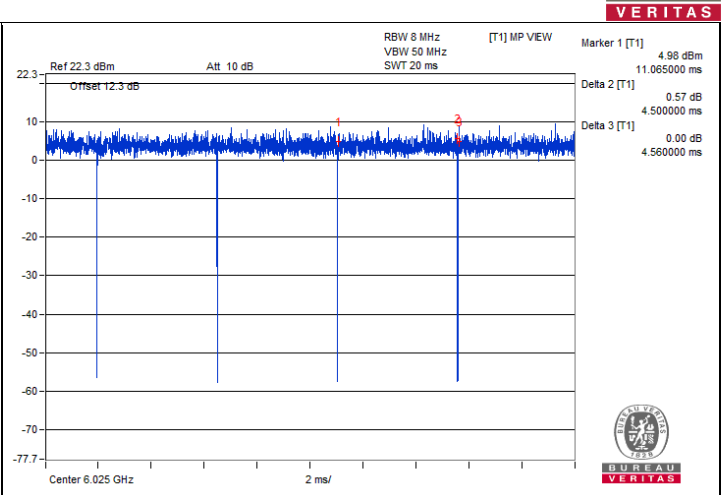
802.11be (EHT320) 3x996-tone MRU



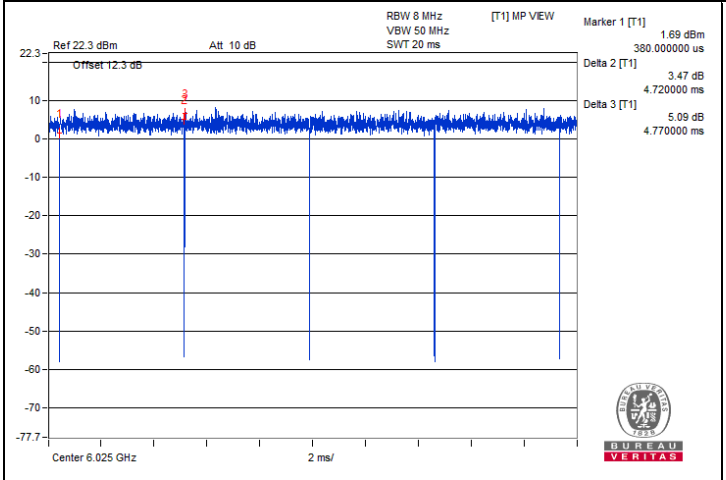
802.11be (EHT320) 3x996+484-tone MRU



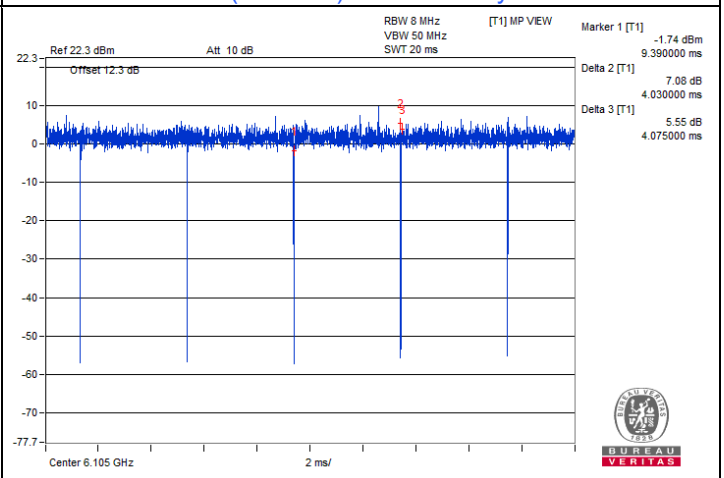
802.11be (EHT80) Punctured by 20 MHz



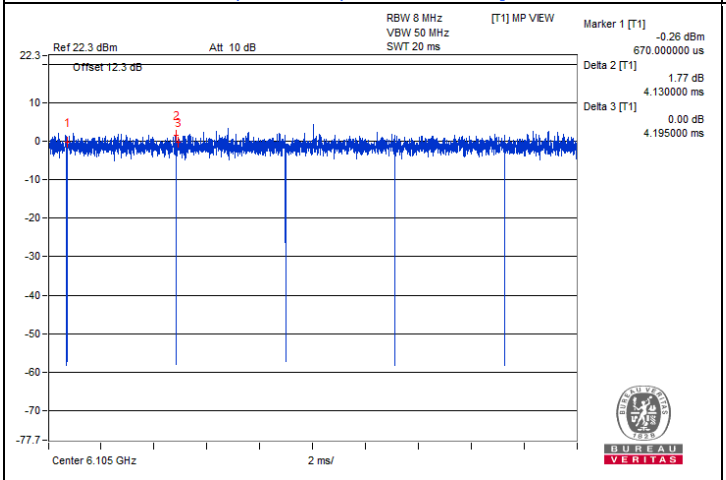
802.11be (EHT160) Punctured by 20 MHz



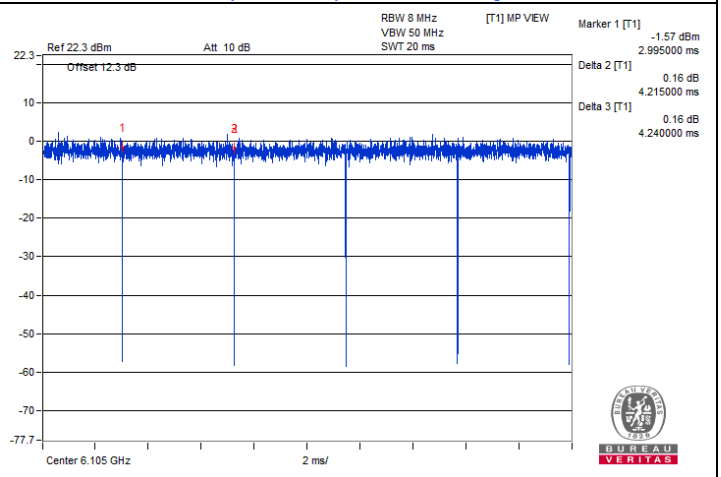
802.11be (EHT160) Punctured by 40 MHz



802.11be (EHT320) Punctured by 40 MHz



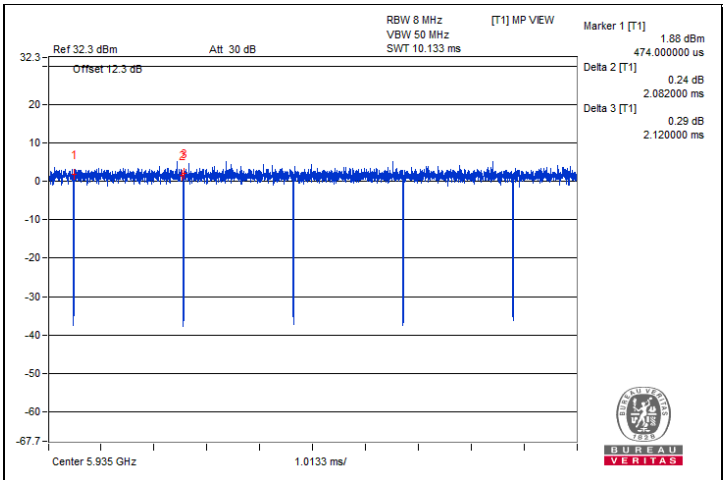
802.11be (EHT320) Punctured by 80 MHz



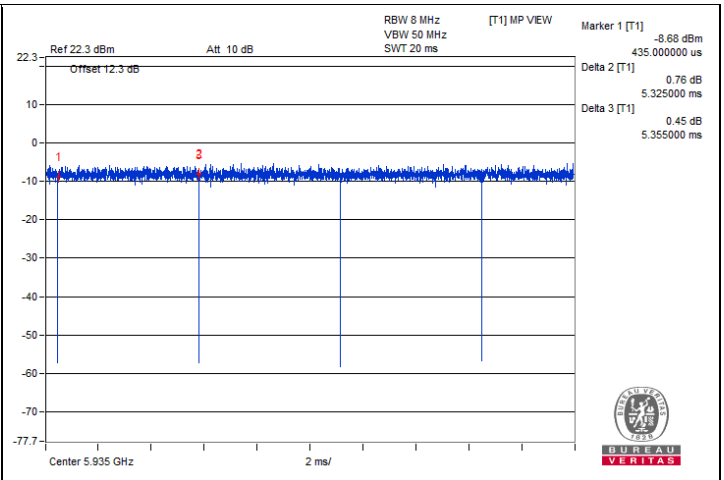
802.11be (EHT320) Punctured by 80+40 MHz

2TX

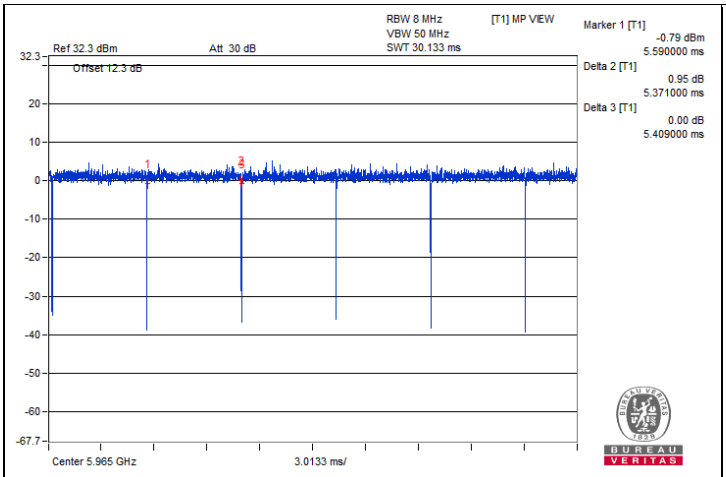
802.11a: Duty cycle = 2.082 ms / 2.12 ms x 100% = 98.2%
802.11be (EHT20): Duty cycle = 5.325 ms / 5.355 ms x 100% = 99.4%
802.11be (EHT40): Duty cycle = 5.371 ms / 5.409 ms x 100% = 99.3%
802.11be (EHT80): Duty cycle = 5.243 ms / 5.311 ms x 100% = 98.7%
802.11be (EHT160): Duty cycle = 4.4 ms / 4.455 ms x 100% = 98.8%
802.11be (EHT320): Duty cycle = 0.862 ms / 0.9 ms x 100% = 95.8%, duty factor = 10 * log (1/Duty cycle) = 0.19 dB
802.11be (EHT20) 26-tone RU: Duty cycle = 5.077 ms / 5.107 ms x 100% = 99.4%
802.11be (EHT20) 52-tone RU: Duty cycle = 5.025 ms / 5.108 ms x 100% = 98.4%
802.11be (EHT20) 106-tone RU: Duty cycle = 3.015 ms / 3.07 ms x 100% = 98.2%
802.11be (EHT20) 242-tone RU: Duty cycle = 4.641 ms / 4.694 ms x 100% = 98.9%
802.11be (EHT40) 484-tone RU: Duty cycle = 3.29 ms / 3.345 ms x 100% = 98.4%
802.11be (EHT80) 996-tone RU:
Duty cycle = 1.611 ms / 1.656 ms x 100% = 97.3%, duty factor = 10 * log (1/Duty cycle) = 0.12 dB
802.11be (EHT160) 2x996-tone RU:
Duty cycle = 2.133 ms / 2.179 ms x 100% = 97.9%, duty factor = 10 * log (1/Duty cycle) = 0.09 dB
802.11be (EHT20) 52+26-tone MRU: Duty cycle = 4.54 ms / 4.57 ms x 100% = 99.3%
802.11be (EHT20) 106+26-tone MRU: Duty cycle = 4.31 ms / 4.34 ms x 100% = 99.3%
802.11be (EHT80) 484+242-tone MRU:
Duty cycle = 1.103 ms / 1.129 ms x 100% = 97.7%, duty factor = 10 * log (1/Duty cycle) = 0.10 dB
802.11be (EHT160) 996+484-tone MRU:
Duty cycle = 0.921 ms / 0.948 ms x 100% = 97.2%, duty factor = 10 * log (1/Duty cycle) = 0.13 dB
802.11be (EHT320) 2x996+484-tone MRU:
Duty cycle = 0.575 ms / 0.602 ms x 100% = 95.5%, duty factor = 10 * log (1/Duty cycle) = 0.20 dB
802.11be (EHT320) 3x996-tone MRU:
Duty cycle = 0.482 ms / 0.508 ms x 100% = 94.9%, duty factor = 10 * log (1/Duty cycle) = 0.23 dB
802.11be (EHT320) 3x996+484-tone MRU:
Duty cycle = 0.429 ms / 0.456 ms x 100% = 94.1%, duty factor = 10 * log (1/Duty cycle) = 0.27 dB
802.11be (EHT80) Punctured by 20 MHz: Duty cycle = 5.377 ms / 5.433 ms x 100% = 99.0%
802.11be (EHT160) Punctured by 20 MHz: Duty cycle = 4.515 ms / 4.559 ms x 100% = 99.0%
802.11be (EHT160) Punctured by 40 MHz: Duty cycle = 4.72 ms / 4.77 ms x 100% = 99.0%
802.11be (EHT320) Punctured by 40 MHz: Duty cycle = 4.03 ms / 4.07 ms x 100% = 99.0%
802.11be (EHT320) Punctured by 80 MHz: Duty cycle = 4.13 ms / 4.175 ms x 100% = 98.9%
802.11be (EHT320) Punctured by 80+40 MHz: Duty cycle = 4.215 ms / 4.26 ms x 100% = 98.9%



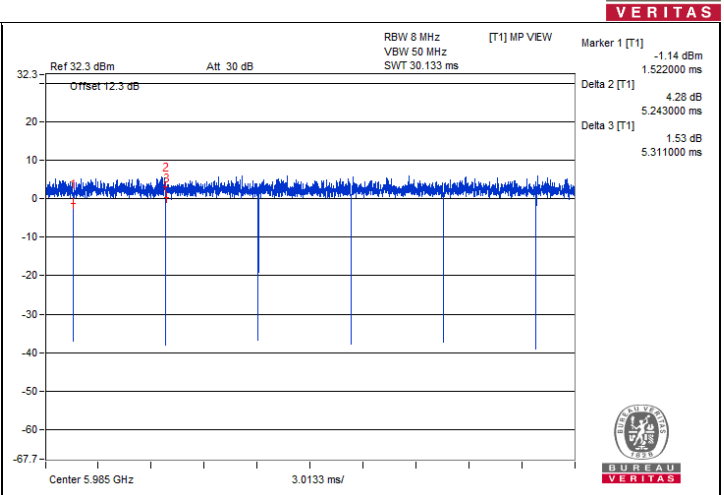
802.11a



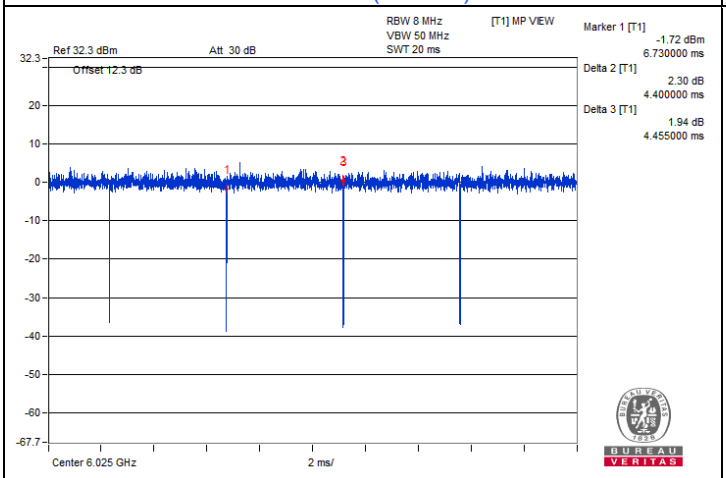
802.11be (EHT20)



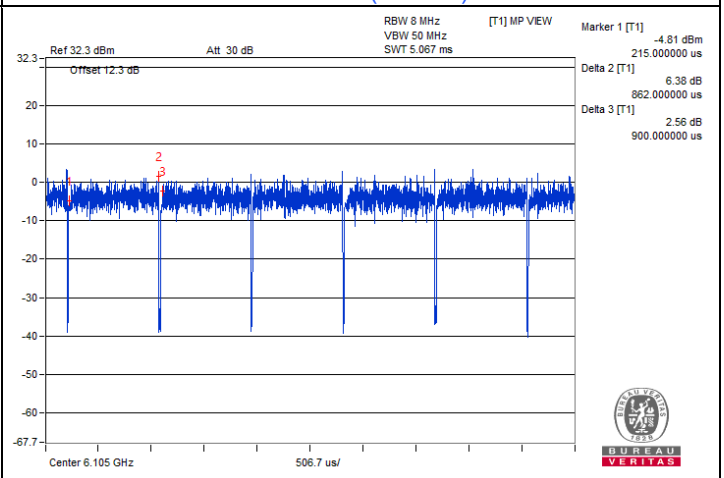
802.11be (EHT40)



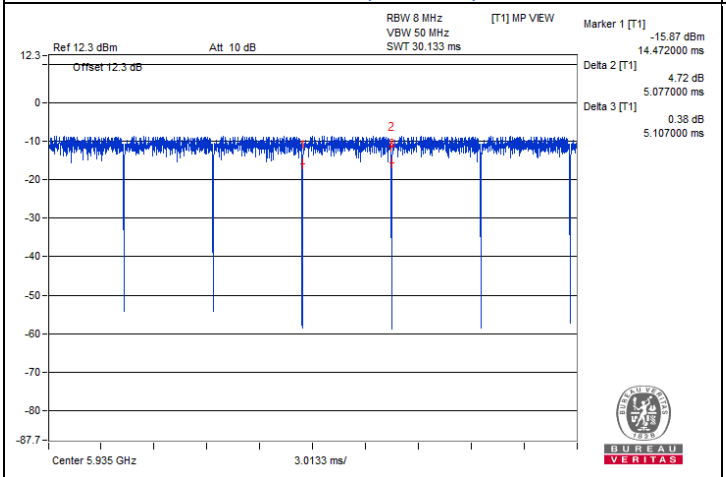
802.11be (EHT80)



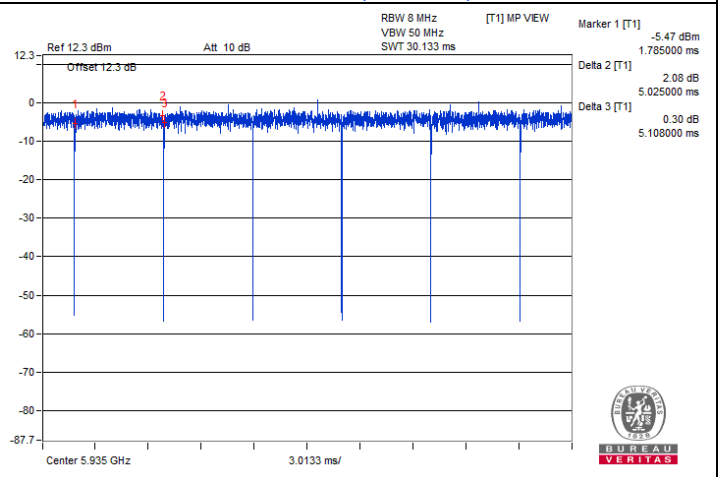
802.11be (EHT160)



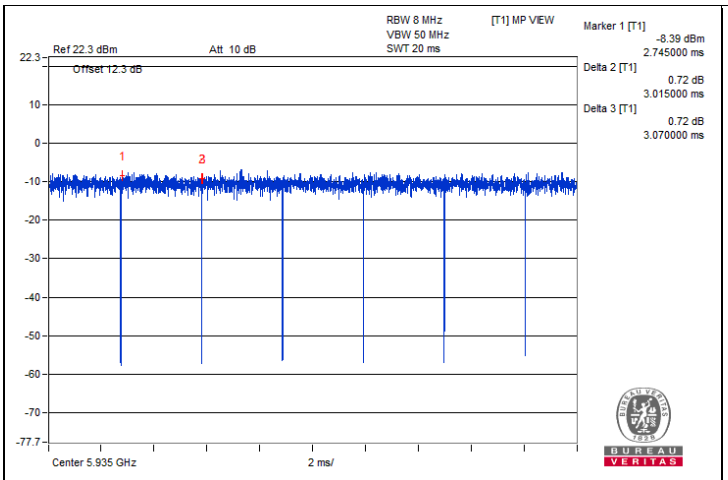
802.11be (EHT320)



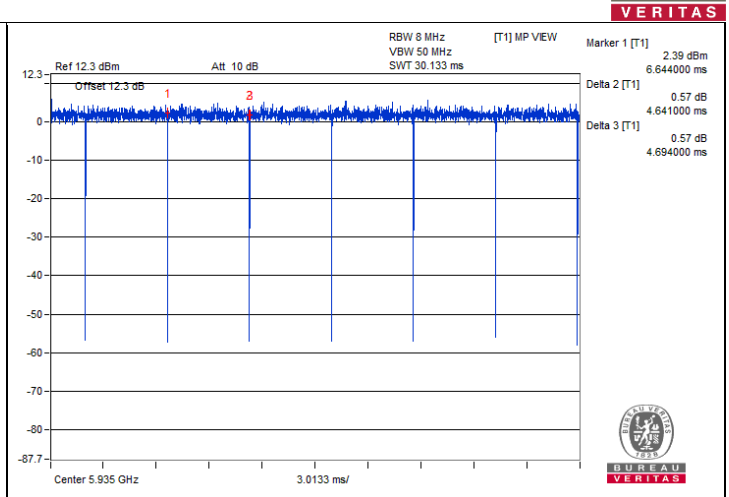
802.11be (EHT20) 26-tone RU



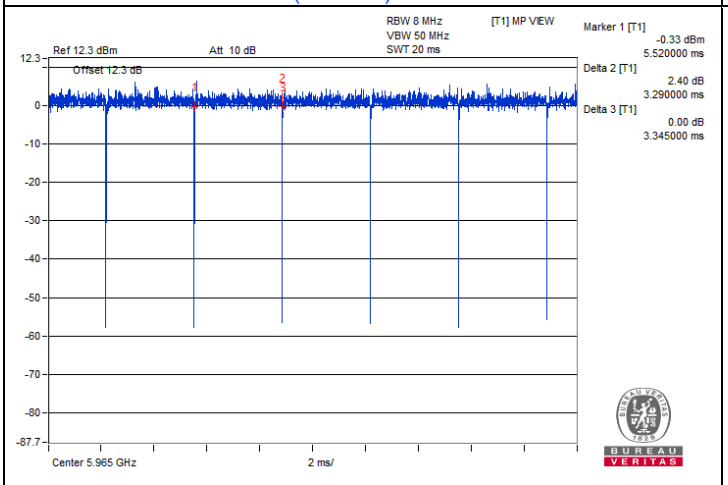
802.11be (EHT20) 52-tone RU



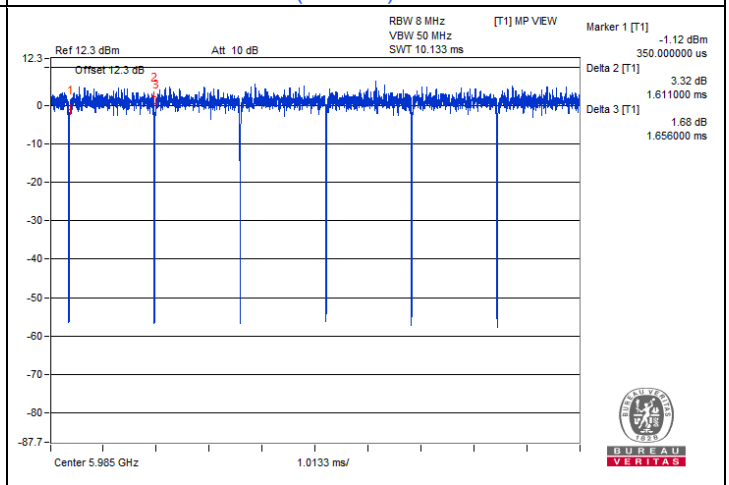
802.11be (EHT20) 106-tone RU



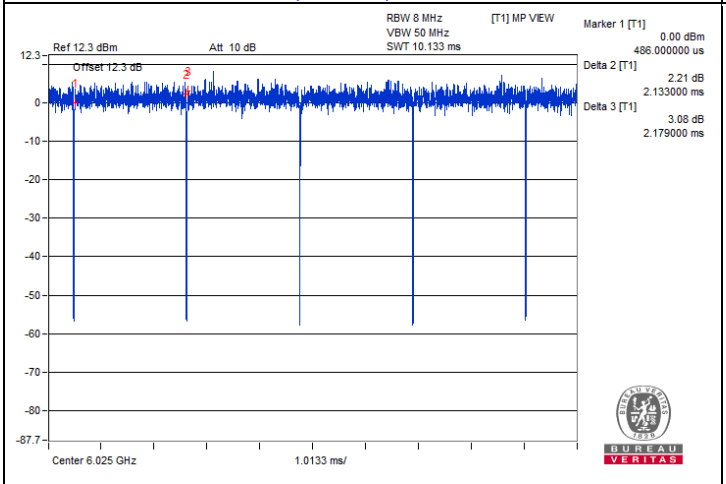
802.11be (EHT20) 242-tone RU



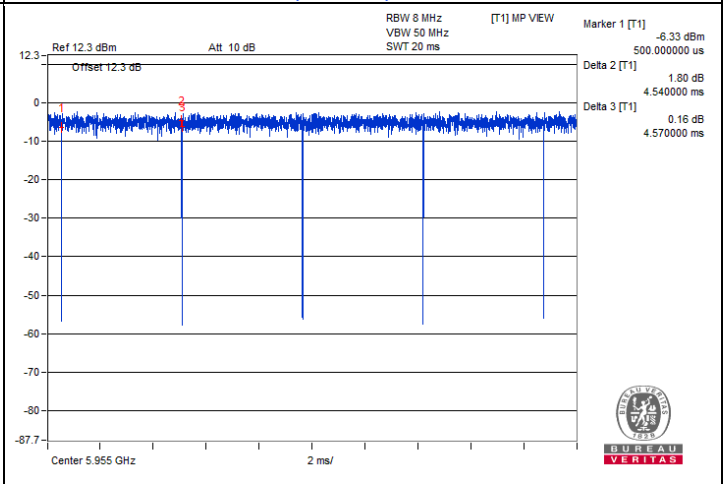
802.11be (EHT40) 484-tone RU



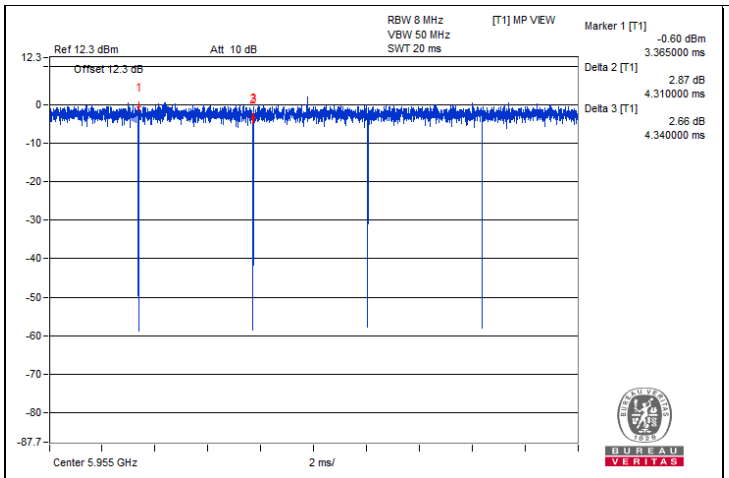
802.11be (EHT80) 996-tone RU



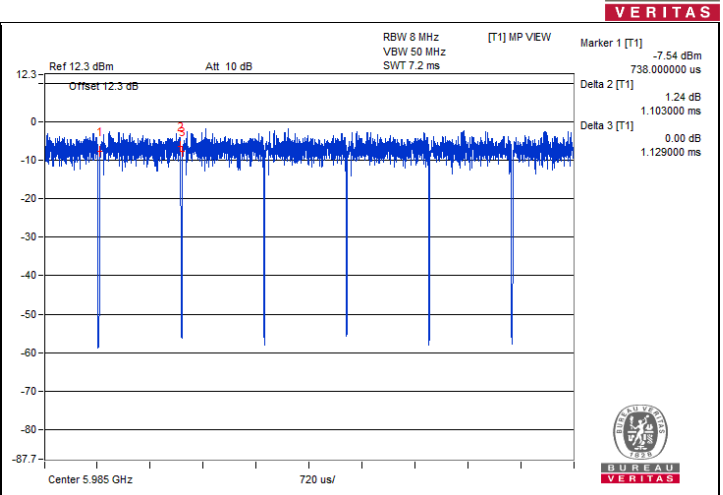
802.11be (EHT160) 2x996-tone RU



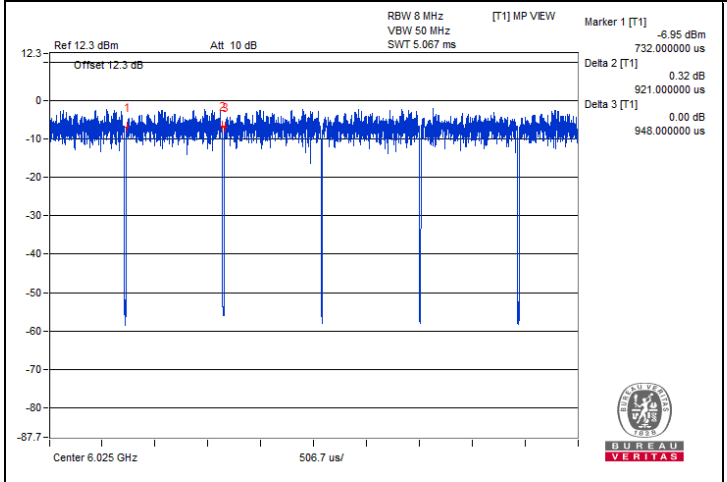
802.11be (EHT20) 52+26-tone MRU



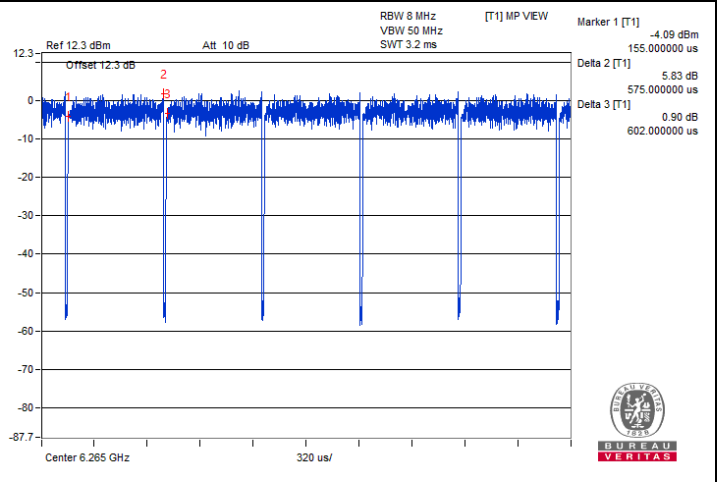
802.11be (EHT20) 106+26-tone MRU



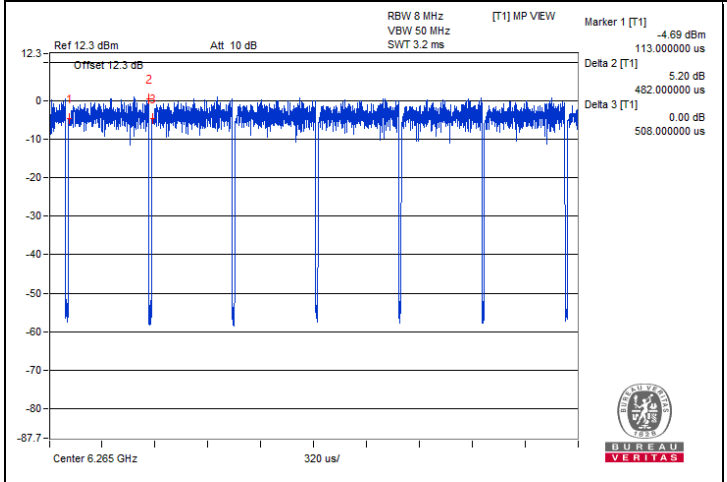
802.11be (EHT80) 484+242-tone MRU



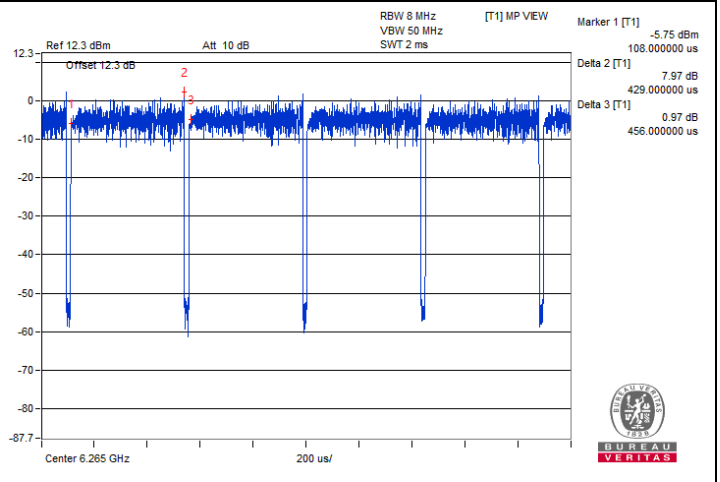
802.11be (EHT160) 996+484-tone MRU



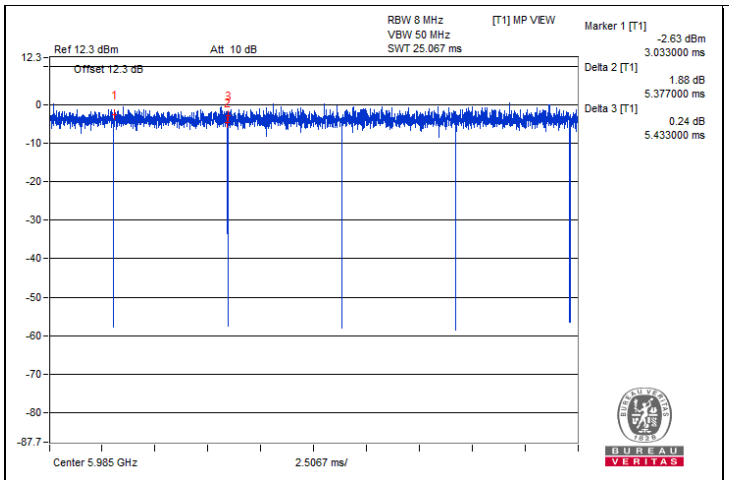
802.11be (EHT320) 2x996+484-tone MRU



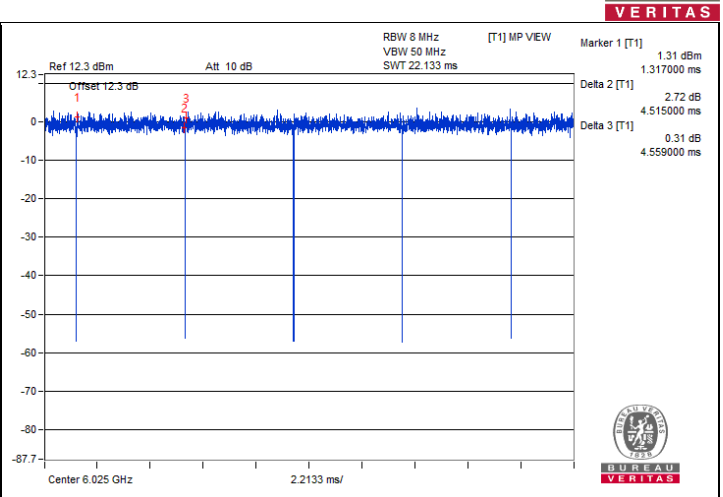
802.11be (EHT320) 3x996-tone MRU



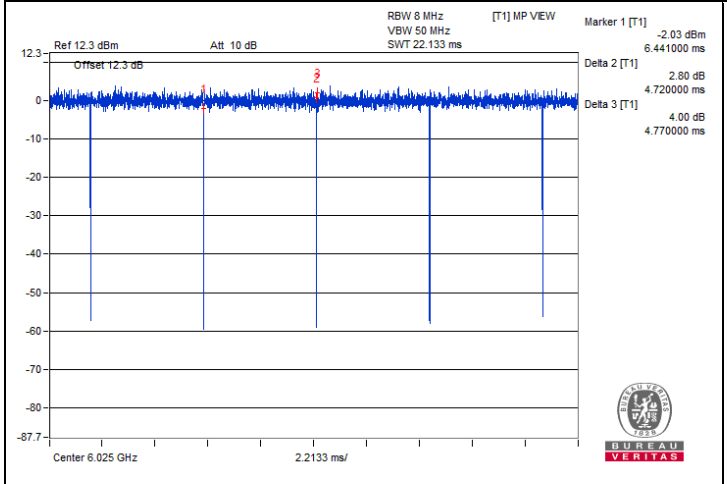
802.11be (EHT320) 3x996+484-tone MRU



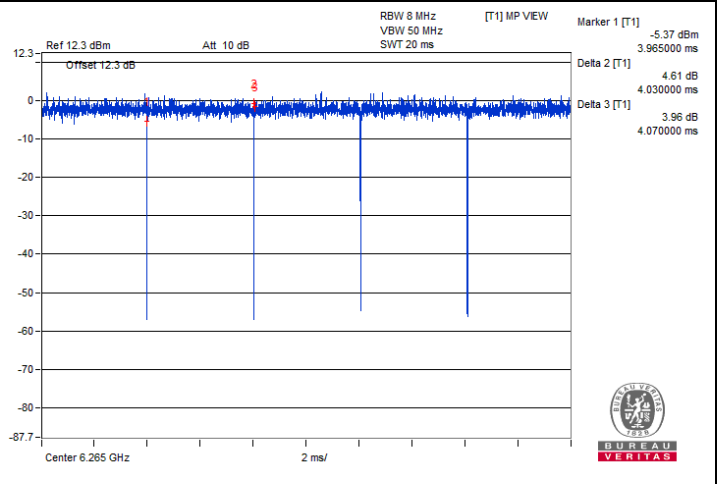
802.11be (EHT80) Punctured by 20 MHz



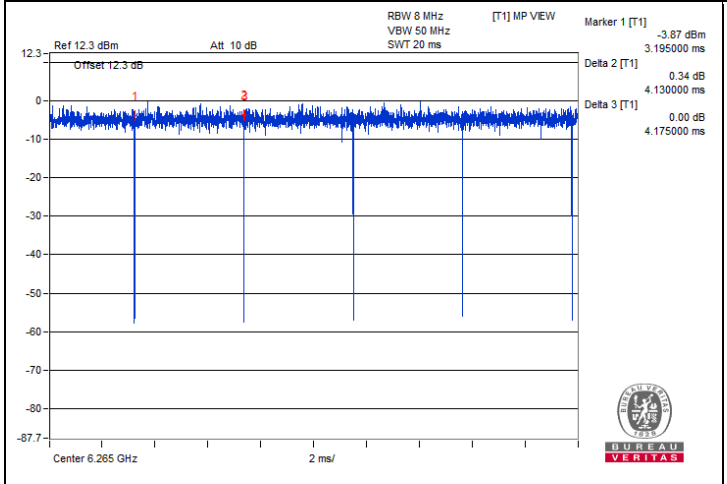
802.11be (EHT160) Punctured by 20 MHz



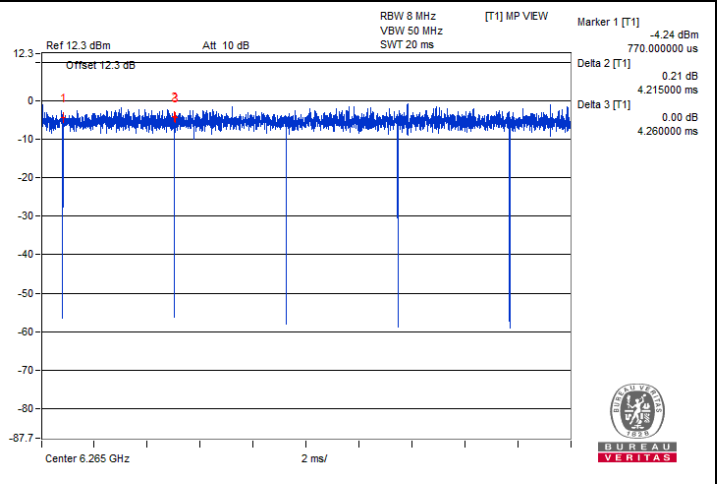
802.11be (EHT160) Punctured by 40 MHz



802.11be (EHT320) Punctured by 40 MHz



802.11be (EHT320) Punctured by 80 MHz



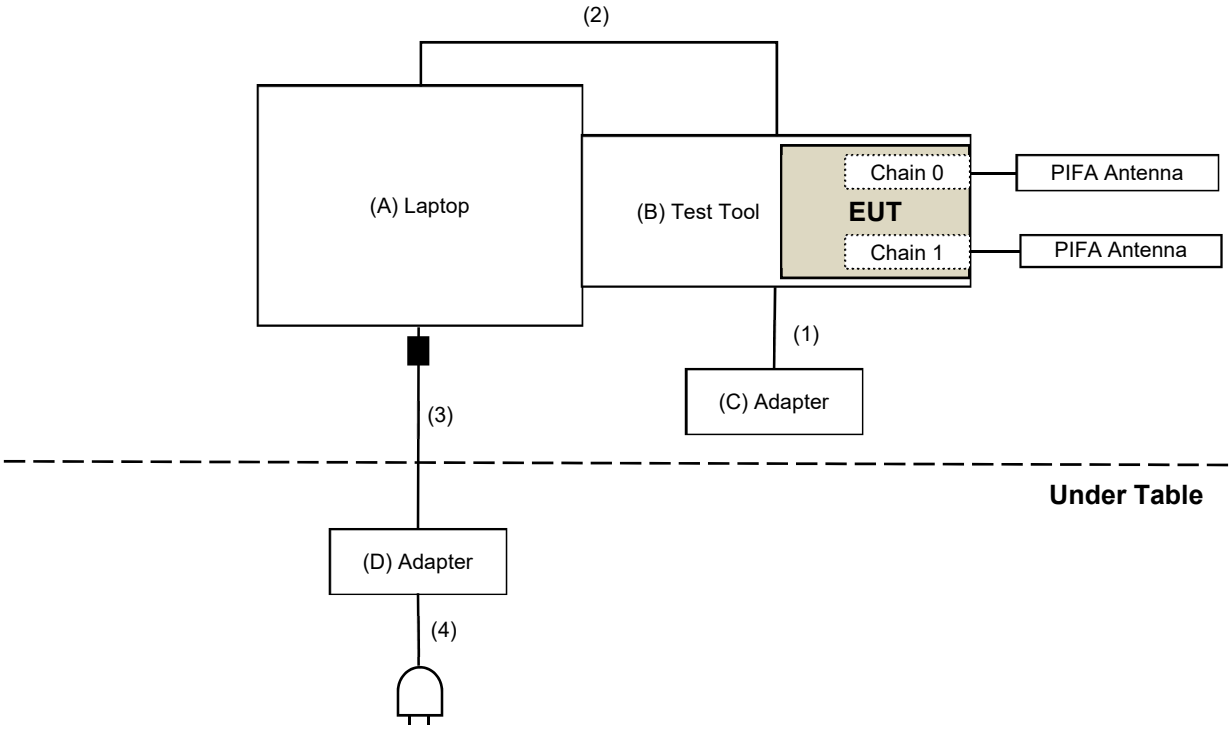
802.11be (EHT320) Punctured by 80+40 MHz

3.6 Test Program Used and Operation Descriptions

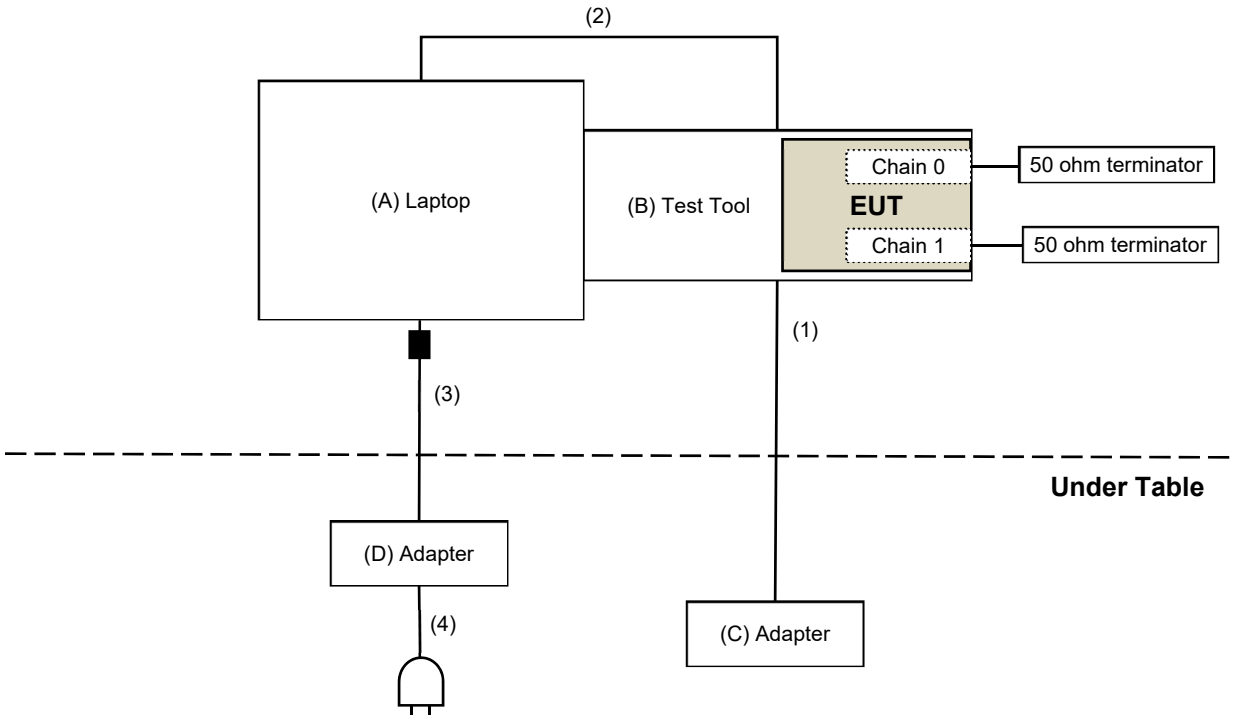
Controlling software (version:3.0.0.1251 (2027/05/13) for BIT112_EB) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

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	E640	AELLM9B	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	Micro 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 Maximum RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Pulse Power Sensor Anritsu	MA2411B	1726434	2024/6/7	2025/6/6
RF Power Meter Anritsu	ML2495A	1529002	2024/6/7	2025/6/6

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2024/8/29 ~ 2024/10/26

4.2 Maximum Power Spectral Density

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
MXA Signal Analyzer Keysight	N9020B	MY60112408	2024/3/7	2025/3/6
Software	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2024/8/29 ~ 2024/10/26

4.3 Emission Bandwidth

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

4.4 In-Band Emission Mask

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

4.5 Occupied Bandwidth

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

4.6 Contention-based Protocol

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Frequency Extender Keysight	N5182BX07	MY59360198	2024/9/27	2025/9/26
MXG Vector Signal Generator Keysight	N5182B	MY53052647	2024/9/27	2025/9/26
Power Splitter/Combiner Mini-Circuits	ZFRSC-123-S+	F698501347_01	2024/10/30	2025/10/29
		F698501347_02	2024/10/30	2025/10/29
Signal & Spectrum Analyzer R&S	FSW8	101497	2024/5/21	2025/5/20
Signal Analyzer R&S	FSV40	101516	2024/1/29	2025/1/28

Notes:

1. The test was performed in Adaptivity room.
2. Tested Date: 2024/11/21

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
EMI Test Receiver R&S	ESCS 30	100375	2024/5/20	2025/5/19
Fixed Attenuator STI	STI02-2200-10	005	2024/2/19	2025/2/18
LISN R&S	ESH3-Z5	835239/001	2024/4/3	2025/4/2
		848773/004	2024/10/7	2025/10/6
RF Coaxial Cable JYEBAO	5D-FB	COCCAB-001	2024/2/19	2025/2/18
Software BVADT	BVADT_Cond_V7.3.7.4	N/A	N/A	N/A

Notes:

1. The test was performed in Conduction 1
2. Tested Date: 2024/10/28

4.8 Unwanted Emissions below 1 GHz

Mode A

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
MXA Signal Analyzer Keysight	N9020B	MY60112408	2024/3/7	2025/3/6
Software	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:
1. The test was performed in Oven room 2.
2. Tested Date: 2024/10/26

Mode B

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-0842	2023/10/12	2024/10/11
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
EMI Test Receiver R&S	ESR7	102026	2024/3/25	2025/3/24
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-02	2024/3/30	2025/3/29
Loop Antenna TESEQ	HLA 6121	63620	2023/10/13	2024/10/12
Preamplifier EMCI	EMC330N	980538	2024/3/30	2025/3/29
	EMC001340	980142	2024/2/19	2025/2/18
PXA Signal Analyzer Keysight	N9030B	MY57141948	2024/5/20	2025/5/19
RF Coaxial Cable JYEBAO	5D-FB	LOOPCAB-001	2024/2/19	2025/2/18
		LOOPCAB-002	2024/2/19	2025/2/18
RF Coaxial Cable PEWC	8D	966-5-1	2024/3/30	2025/3/29
		966-5-2	2024/3/30	2025/3/29
		966-5-3	2024/3/30	2025/3/29
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:
1. The test was performed in 966 Chamber No. 5.
2. Tested Date: 2024/9/5

4.9 Unwanted Emissions above 1 GHz

Mode A

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
MXA Signal Analyzer Keysight	N9020B	MY60112408	2024/3/7	2025/3/6
Software	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2024/9/10 ~ 2024/10/24

Mode B

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
EMI Test Receiver R&S	ESR7	102026	2024/3/25	2025/3/24
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-1819	2023/11/12 2024/11/10	2024/11/11 2025/11/9
	BBHA 9170	9170-739	2023/11/12 2024/11/10	2024/11/11 2025/11/9
Preamplifier EMCI	EMC12630SE	980509	2024/1/29	2025/1/28
	EMC184045SE	980387	2024/8/8	2025/8/7
PXA Signal Analyzer Keysight	N9030B	MY57141948	2024/5/20	2025/5/19
RF Coaxial Cable EMCI	EMC102-KM-KM-1200	160924	2024/1/29	2025/1/28
	EMC102-KM-KM-4000	200214	2024/1/29	2025/1/28
	EMC104-SM-SM-1500	180503	2024/3/16	2025/3/15
	EMC104-SM-SM-2000	180501	2024/3/16	2025/3/15
	EMC104-SM-SM-6000	180506	2024/3/16	2025/3/15
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 5.
2. Tested Date: 2024/9/2 ~ 2024/12/10

5 Limits of Test Items

5.1 Maximum RF Output Power

Operation Band	Equipment Class	Limit
		Maximum Average Power
U-NII-5 U-NII-7	6VL: 15E 6 GHz VLP device	EIRP 14 dBm

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

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};
Array Gain = 5 log(N_{ANT}/N_{SS}) dB or 3 dB, whichever is less for 20-MHz channel widths with $N_{ANT} \geq 5$.

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

5.2 Maximum Power Spectral Density

Operation Band	Equipment Class	Limit
		Maximum Power Density
U-NII-5 U-NII-7	6VL: 15E 6 GHz VLP device	EIRP -5 dBm/MHz

5.3 Emission Bandwidth

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

5.4 In-Band Emission Mask

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

*1 : The power spectral density must be suppressed by “x” dB

*2 : At frequencies between one megahertz outside an unlicensed device’s channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression,

*3 : At frequencies between one and one- and one-half times an unlicensed device’s channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression.

5.5 Occupied Bandwidth

The results are for reference only.

5.6 Contention-based Protocol

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

5.7 AC Power Conducted Emissions

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

Notes:

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

5.8 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.9 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

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

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

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

6 Test Arrangements

6.1 Maximum RF Output Power

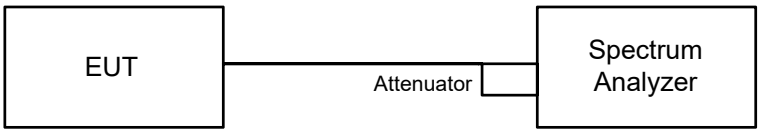
6.1.1 Test Setup

6.1.2 Test Procedure

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

6.2 Maximum Power Spectral Density

6.2.1 Test Setup



6.2.2 Test Procedure

For specified measurement bandwidth 1 MHz:
Method SA-1

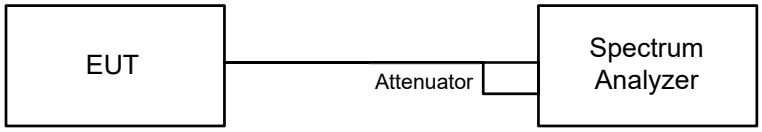
a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
d. Sweep time = auto, trigger 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

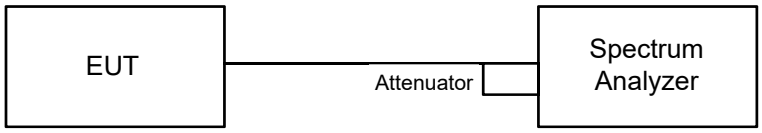


6.3.2 Test Procedure

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

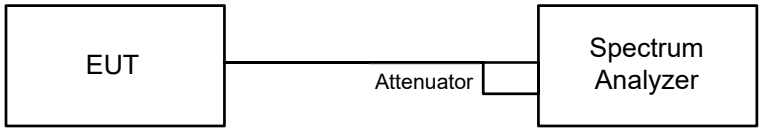


6.4.2 Test Procedure

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

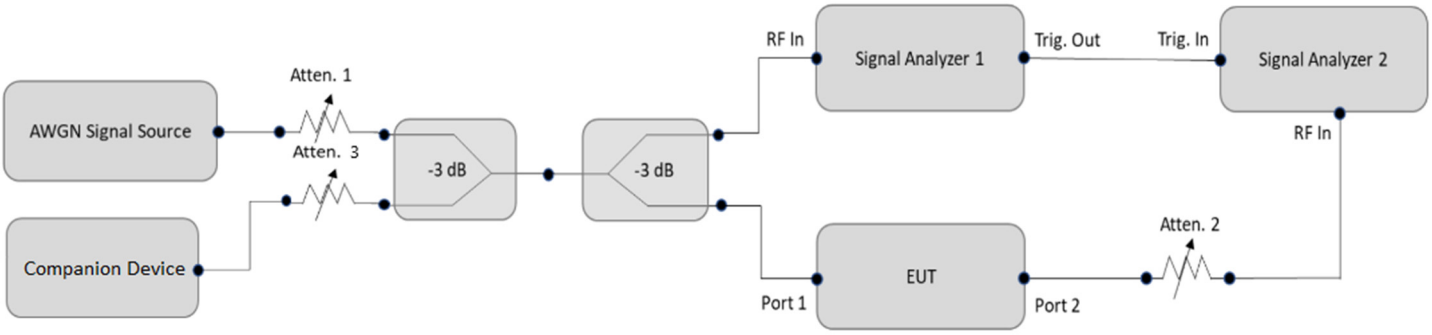


6.5.2 Test Procedure

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 Contention-based Protocol

6.6.1 Test Setup



6.6.2 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.

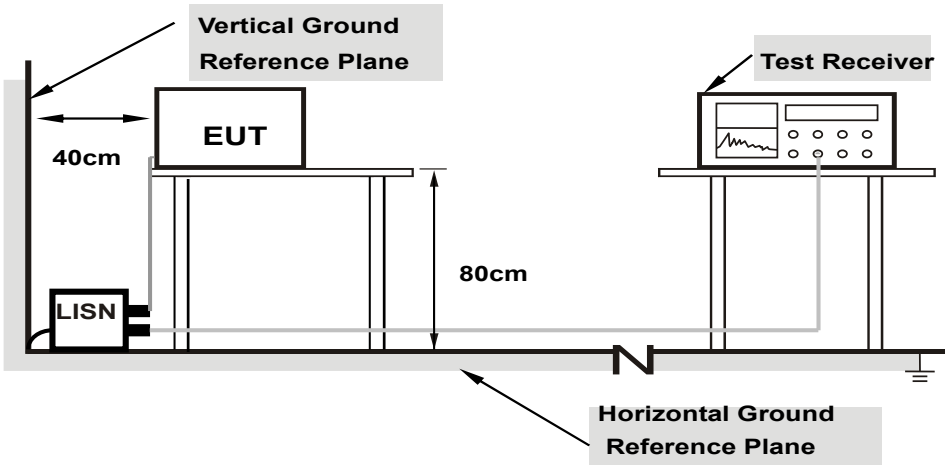
g. Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.

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.

6.7 AC Power Conducted Emissions

6.7.1 Test Setup



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

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

6.7.2 Test Procedure

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.

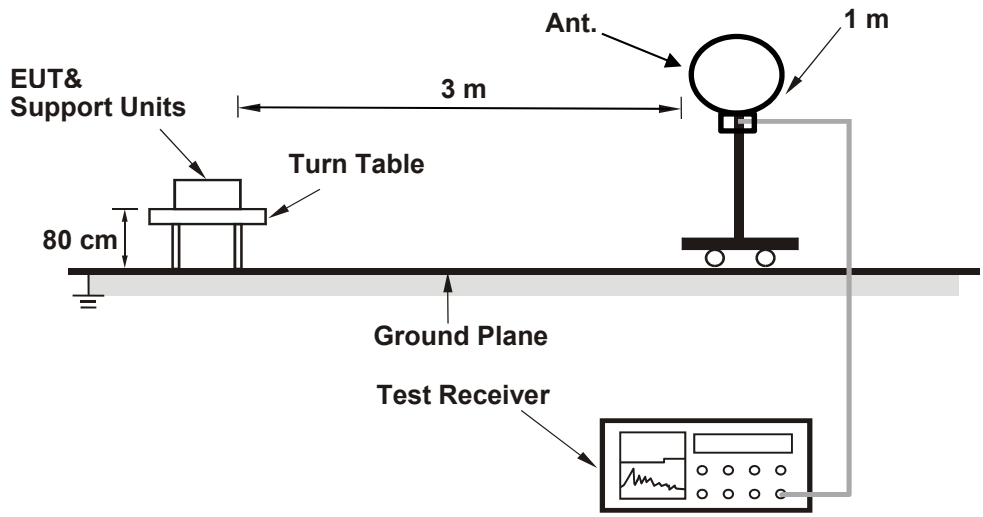
Note: The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz-30 MHz.

6.8 Unwanted Emissions below 1 GHz

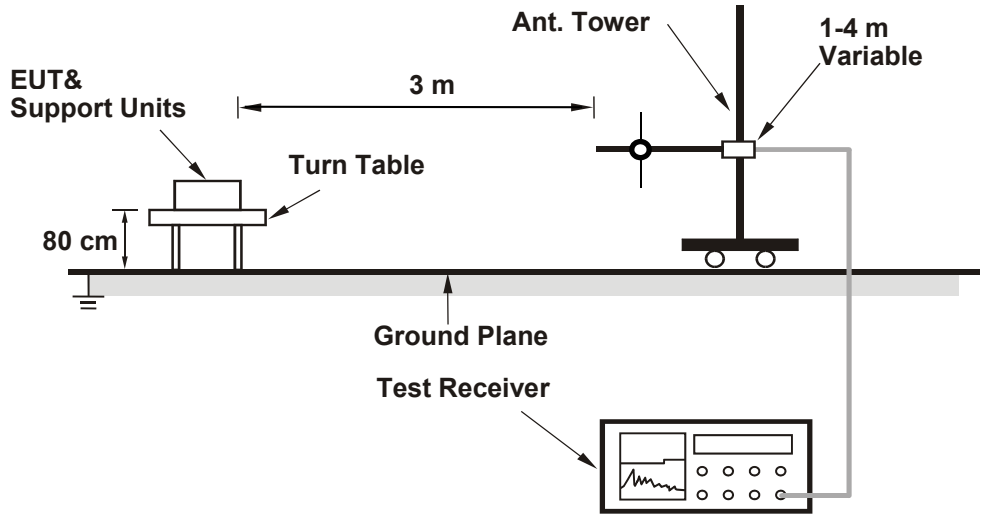
6.8.1 Test Setup

For Radiated Configuration:

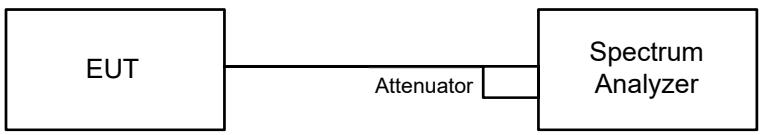
For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



For Conducted Configuration:



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

6.8.2 Test Procedure

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

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

For Radiated emission below 30 MHz

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

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

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

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

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

Notes:

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

For Radiated emission above 30 MHz

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

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

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

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

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

Notes:

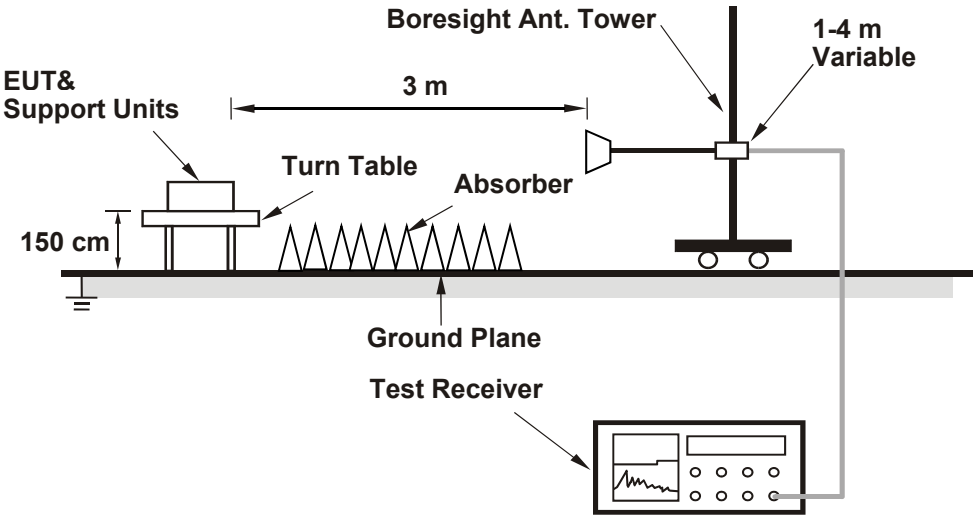
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz.
2. All modes of operation were investigated and the worst-case emissions are reported.

Radiated versus Conducted Measurement
For Radiated measurement: The level of unwanted emissions was measured when radiated by the cabinet or structure of the equipment with the antenna connector(s) terminated by a specified load (cabinet radiation). For Conducted measurement: The level of unwanted emissions was measured as their power in a specified load (conducted spurious emissions).
Conducted Unwanted Emission Convert Formula
a. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8 d = measurement distance in 3 meters. b. EIRP Level (dBm) = Raw Value(dBm) + Correction Factor(dB) c. Correction Factor is directional gain, and the composite gain will be used when signal support the correlated signal. For the out of band spurious the gain for the specific band may have been used rather than the highest gain across all bands. For the band edge the gain for the specific band may have been used. Notes: 1. In restricted bands below 1000 MHz, add upper bound on ground plane reflection: For frequencies between 30 MHz and 1000 MHz, add 4.7 dB. 2. The conducted emission test was considered some factor to compute test result.

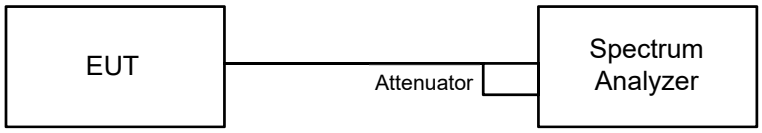
6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup

For Radiated Configuration:



For Conducted Configuration:



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

6.9.2 Test Procedure

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

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

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

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

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

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

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

Notes:

1. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) and Average detection (AV) at frequency above 1 GHz.
2. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is ≥ 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.

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

7 Test Results of Test Item

7.1 Maximum RF Output Power

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

Mode A

1TX

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
2	5935	1.667	2.22	5.14	5.444	7.36	14	Pass
1	5955	1.66	2.20	5.14	5.421	7.34	14	Pass
45	6175	1.862	2.70	5.14	6.081	7.84	14	Pass
93	6415	1.585	2.00	5.14	5.176	7.14	14	Pass
117	6535	1.648	2.17	5.16	5.407	7.33	14	Pass
149	6695	1.6	2.04	5.16	5.25	7.2	14	Pass
181	6855	1.507	1.78	5.16	4.944	6.94	14	Pass

Notes:

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

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
2	5935	0.3733	-4.28	5.14	1.219	0.86	14	Pass
1	5955	1.888	2.76	5.14	6.166	7.9	14	Pass
45	6175	2.506	3.99	5.14	8.184	9.13	14	Pass
93	6415	2.193	3.41	5.14	7.162	8.55	14	Pass
117	6535	2.5	3.98	5.16	8.202	9.14	14	Pass
149	6695	2.08	3.18	5.16	6.824	8.34	14	Pass
181	6855	1.892	2.77	5.16	6.208	7.93	14	Pass

Notes:

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

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
3	5965	2.588	4.13	5.14	8.452	9.27	14	Pass
43	6165	2.999	4.77	5.14	9.794	9.91	14	Pass
91	6405	3.083	4.89	5.14	10.069	10.03	14	Pass
123	6565	3.281	5.16	5.16	10.765	10.32	14	Pass
155	6725	3.236	5.10	5.16	10.617	10.26	14	Pass
179	6845	2.818	4.50	5.16	9.246	9.66	14	Pass

Notes:

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

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
7	5985	6.457	8.10	5.14	21.088	13.24	14	Pass
39	6145	6.339	8.02	5.14	20.702	13.16	14	Pass
87	6385	6.31	8.00	5.14	20.608	13.14	14	Pass
135	6625	6.546	8.16	5.16	21.477	13.32	14	Pass
151	6705	6.383	8.05	5.16	20.942	13.21	14	Pass
167	6785	6.607	8.20	5.16	21.677	13.36	14	Pass

Notes:

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

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	7.674	8.85	5.14	25.062	13.99	14	Pass
47	6185	7.161	8.55	5.14	23.387	13.69	14	Pass
79	6345	6.918	8.40	5.14	22.593	13.54	14	Pass
143	6665	7.145	8.54	5.16	23.442	13.7	14	Pass

Notes:

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

802.11be (EHT320)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
31	6105	7.656	8.84	5.14	25.004	13.98	14	Pass
63	6265	7.586	8.80	5.14	24.775	13.94	14	Pass

Notes:

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

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
2	5935	0.0955	-10.20	5.14	0.3119	-5.06	14	Pass
1	5955	0.2183	-6.61	5.14	0.7129	-1.47	14	Pass
45	6175	0.2042	-6.90	5.14	0.6669	-1.76	14	Pass
93	6415	0.2415	-6.17	5.14	0.7887	-1.03	14	Pass
117	6535	0.2014	-6.96	5.16	0.6608	-1.8	14	Pass
149	6695	0.1799	-7.45	5.16	0.5902	-2.29	14	Pass
181	6855	0.1734	-7.61	5.16	0.5689	-2.45	14	Pass

Notes:

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

802.11be (EHT20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
2	5935	0.1875	-7.27	5.14	0.6124	-2.13	14	Pass
1	5955	0.4325	-3.64	5.14	1.412	1.5	14	Pass
45	6175	0.4236	-3.73	5.14	1.383	1.41	14	Pass
93	6415	0.4246	-3.72	5.14	1.387	1.42	14	Pass
117	6535	0.4519	-3.45	5.16	1.483	1.71	14	Pass
149	6695	0.3673	-4.35	5.16	1.205	0.81	14	Pass
181	6855	0.3715	-4.30	5.16	1.219	0.86	14	Pass

Notes:

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

802.11be (EHT20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
2	5935	0.2317	-6.35	5.14	0.7567	-1.21	14	Pass
1	5955	0.8892	-0.51	5.14	2.904	4.63	14	Pass
45	6175	0.7762	-1.10	5.14	2.535	4.04	14	Pass
93	6415	0.8356	-0.78	5.14	2.729	4.36	14	Pass
117	6535	0.877	-0.57	5.16	2.877	4.59	14	Pass
149	6695	0.7534	-1.23	5.16	2.472	3.93	14	Pass
181	6855	0.8128	-0.90	5.16	2.667	4.26	14	Pass

Notes:

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

802.11be (EHT20) 242-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
2	5935	0.3041	-5.17	5.14	0.9932	-0.03	14	Pass
1	5955	2.317	3.65	5.14	7.567	8.79	14	Pass
45	6175	2.312	3.64	5.14	7.551	8.78	14	Pass
93	6415	2.455	3.90	5.14	8.018	9.04	14	Pass
117	6535	2.399	3.80	5.16	7.871	8.96	14	Pass
149	6695	2.291	3.60	5.16	7.517	8.76	14	Pass
181	6855	2.377	3.76	5.16	7.799	8.92	14	Pass

Notes:

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

802.11be (EHT40) 484-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
3	5965	2.958	4.71	5.14	9.66	9.85	14	Pass
43	6165	2.992	4.76	5.14	9.772	9.9	14	Pass
91	6405	2.818	4.50	5.14	9.203	9.64	14	Pass
123	6565	2.951	4.70	5.16	9.682	9.86	14	Pass
155	6725	2.864	4.57	5.16	9.397	9.73	14	Pass
179	6845	2.844	4.54	5.16	9.331	9.7	14	Pass

Notes:

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

802.11be (EHT80) 996-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
7	5985	6.166	7.90	5.14	20.137	13.04	14	Pass
39	6145	6.209	7.93	5.14	20.278	13.07	14	Pass
87	6385	6.237	7.95	5.14	20.369	13.09	14	Pass
135	6625	6.166	7.90	5.16	20.23	13.06	14	Pass
151	6705	6.295	7.99	5.16	20.654	13.15	14	Pass
167	6785	6.166	7.90	5.16	20.23	13.06	14	Pass

Notes:

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

802.11be (EHT160) 2x996-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	7.621	8.82	5.14	24.889	13.96	14	Pass
47	6185	7.482	8.74	5.14	24.435	13.88	14	Pass
79	6345	7.413	8.70	5.14	24.21	13.84	14	Pass
143	6665	6.95	8.42	5.16	22.803	13.58	14	Pass

Notes:

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

802.11be (EHT20) 52+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	0.4539	-3.43	5.14	1.482	1.71	14	Pass
117	6535	0.4989	-3.02	5.16	1.637	2.14	14	Pass

Notes:

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

802.11be (EHT20) 106+26-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	0.865	-0.63	5.14	2.825	4.51	14	Pass
117	6535	0.879	-0.56	5.16	2.884	4.6	14	Pass

Notes:

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

802.11be (EHT80) 484+242-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
7	5985	4.207	6.24	5.14	13.74	11.38	14	Pass
167	6785	4.018	6.04	5.16	13.183	11.2	14	Pass

Notes:

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

802.11be (EHT160) 996+484-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	7.015	8.46	5.14	22.91	13.6	14	Pass
143	6665	6.577	8.18	5.16	21.579	13.34	14	Pass

Notes:

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

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

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
63	6265	7.278	8.62	5.14	23.769	13.76	14	Pass

Notes:

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

802.11be (EHT320) 3x996-tone MRU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
63	6265	7.015	8.46	5.14	22.91	13.6	14	Pass

Notes:

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

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

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
63	6265	7.129	8.53	5.14	23.282	13.67	14	Pass

Notes:

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

802.11be (EHT80) Punctured by 20 MHz

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
7	5985	3.17	5.01	5.14	10.353	10.15	14	Pass
167	6785	3.733	5.72	5.16	12.248	10.88	14	Pass

Notes:

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

802.11be (EHT160) Punctured by 20 MHz

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	7.295	8.63	5.14	23.825	13.77	14	Pass
143	6665	6.383	8.05	5.16	20.942	13.21	14	Pass

Notes:

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

802.11be (EHT160) Punctured by 40 MHz

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	7.145	8.54	5.14	23.335	13.68	14	Pass
143	6665	6.368	8.04	5.16	20.893	13.2	14	Pass

Notes:

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

802.11be (EHT320) Punctured by 40 MHz

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
63	6265	6.607	8.20	5.14	21.578	13.34	14	Pass

Notes:

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

802.11be (EHT320) Punctured by 80 MHz

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
63	6265	5.916	7.72	5.14	19.321	12.86	14	Pass

Notes:

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

802.11be (EHT320) Punctured by 80+40 MHz

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
63	6265	4.898	6.90	5.14	15.996	12.04	14	Pass

Notes:

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

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

2TX

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-3.90	-3.03	0.9051	-0.43	5.14	2.956	4.71	14	Pass
1	5955	-3.70	-3.14	0.9119	-0.40	5.14	2.978	4.74	14	Pass
45	6175	-3.90	-3.04	0.904	-0.44	5.14	2.952	4.7	14	Pass
93	6415	-3.80	-2.85	0.9357	-0.29	5.14	3.056	4.85	14	Pass
117	6535	-4.00	-2.96	0.9039	-0.44	5.16	2.966	4.72	14	Pass
149	6695	-4.45	-2.27	0.9518	-0.21	5.16	3.123	4.95	14	Pass
181	6855	-4.48	-2.40	0.9319	-0.31	5.16	3.058	4.85	14	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	-10.32	-9.74	0.19907	-7.01	5.14	0.6501	-1.87	14	Pass
1	5955	-3.10	-2.20	1.0923	0.38	5.14	3.567	5.52	14	Pass
45	6175	-3.00	-2.22	1.101	0.42	5.14	3.596	5.56	14	Pass
93	6415	-3.45	-2.45	1.0207	0.09	5.14	3.333	5.23	14	Pass
117	6535	-3.34	-2.20	1.066	0.28	5.16	3.497	5.44	14	Pass
149	6695	-4.06	-1.90	1.0383	0.16	5.16	3.407	5.32	14	Pass
181	6855	-4.03	-1.94	1.0351	0.15	5.16	3.396	5.31	14	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	-2.55	-1.56	1.2541	0.98	5.14	4.096	6.12	14	Pass
43	6165	-2.60	-1.55	1.2494	0.97	5.14	4.08	6.11	14	Pass
91	6405	-2.80	-1.60	1.2166	0.85	5.14	3.973	5.99	14	Pass
123	6565	-2.64	-1.54	1.246	0.96	5.16	4.088	6.12	14	Pass
155	6725	-3.30	-1.43	1.1872	0.75	5.16	3.895	5.91	14	Pass
179	6845	-3.25	-1.42	1.1943	0.77	5.16	3.918	5.93	14	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	1.78	1.90	3.055	4.85	5.14	9.977	9.99	14	Pass
39	6145	1.65	1.82	2.983	4.75	5.14	9.742	9.89	14	Pass
87	6385	1.77	1.73	2.993	4.76	5.14	9.775	9.9	14	Pass
135	6625	1.00	1.98	2.837	4.53	5.16	9.308	9.69	14	Pass
151	6705	1.05	1.96	2.844	4.54	5.16	9.331	9.7	14	Pass
167	6785	1.22	1.95	2.891	4.61	5.16	9.485	9.77	14	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	5.49	5.45	7.047	8.48	5.14	23.015	13.62	14	Pass
47	6185	5.34	5.40	6.887	8.38	5.14	22.492	13.52	14	Pass
79	6345	5.28	5.38	6.824	8.34	5.14	22.286	13.48	14	Pass
143	6665	5.42	5.26	6.841	8.35	5.16	22.445	13.51	14	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	5.70	5.82	7.535	8.77	5.14	24.608	13.91	14	Pass
63	6265	5.77	5.89	7.657	8.84	5.14	25.007	13.98	14	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 (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	-15.66	-15.40	0.056	-12.52	5.14	0.1829	-7.38	14	Pass
1	5955	-12.10	-11.93	0.12578	-9.00	5.14	0.4108	-3.86	14	Pass
45	6175	-12.42	-11.66	0.12551	-9.01	5.14	0.4099	-3.87	14	Pass
93	6415	-12.12	-11.90	0.12594	-9.00	5.14	0.4113	-3.86	14	Pass
117	6535	-12.68	-11.75	0.12079	-9.18	5.16	0.3963	-4.02	14	Pass
149	6695	-12.70	-11.70	0.12131	-9.16	5.16	0.398	-4	14	Pass
181	6855	-13.10	-11.50	0.11977	-9.22	5.16	0.393	-4.06	14	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

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	-13.23	-12.94	0.09835	-10.07	5.14	0.3212	-4.93	14	Pass
1	5955	-9.15	-8.96	0.2487	-6.04	5.14	0.8122	-0.9	14	Pass
45	6175	-9.45	-8.90	0.2423	-6.16	5.14	0.7913	-1.02	14	Pass
93	6415	-9.76	-9.04	0.2304	-6.38	5.14	0.7525	-1.24	14	Pass
117	6535	-9.30	-8.76	0.2505	-6.01	5.16	0.8219	-0.85	14	Pass
149	6695	-9.90	-8.60	0.2404	-6.19	5.16	0.7887	-1.03	14	Pass
181	6855	-10.48	-8.60	0.22757	-6.43	5.16	0.7466	-1.27	14	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

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	-12.20	-12.04	0.12277	-9.11	5.14	0.401	-3.97	14	Pass
1	5955	-6.30	-6.20	0.4743	-3.24	5.14	1.549	1.9	14	Pass
45	6175	-6.49	-6.06	0.4721	-3.26	5.14	1.542	1.88	14	Pass
93	6415	-6.68	-6.39	0.4444	-3.52	5.14	1.451	1.62	14	Pass
117	6535	-6.25	-5.80	0.5002	-3.01	5.16	1.641	2.15	14	Pass
149	6695	-7.40	-5.91	0.4384	-3.58	5.16	1.438	1.58	14	Pass
181	6855	-7.16	-5.84	0.4529	-3.44	5.16	1.486	1.72	14	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

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	-10.98	-10.80	0.16298	-7.88	5.14	0.5323	-2.74	14	Pass
1	5955	-2.60	-2.26	1.1438	0.58	5.14	3.736	5.72	14	Pass
45	6175	-3.16	-2.63	1.0288	0.12	5.14	3.36	5.26	14	Pass
93	6415	-3.00	-2.60	1.0507	0.21	5.14	3.431	5.35	14	Pass
117	6535	-3.30	-2.66	1.0097	0.04	5.16	3.313	5.2	14	Pass
149	6695	-3.36	-2.04	1.0865	0.36	5.16	3.565	5.52	14	Pass
181	6855	-3.42	-2.01	1.0845	0.35	5.16	3.558	5.51	14	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

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	-1.13	-1.48	1.4821	1.71	5.14	4.84	6.85	14	Pass
43	6165	-1.70	-1.82	1.3337	1.25	5.14	4.356	6.39	14	Pass
91	6405	-1.60	-1.33	1.428	1.55	5.14	4.664	6.69	14	Pass
123	6565	-1.40	-1.40	1.4489	1.61	5.16	4.754	6.77	14	Pass
155	6725	-2.05	-1.25	1.3736	1.38	5.16	4.507	6.54	14	Pass
179	6845	-2.13	-1.19	1.3727	1.38	5.16	4.504	6.54	14	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

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	2.25	1.87	3.217	5.07	5.14	10.506	10.21	14	Pass
39	6145	1.5	1.91	2.965	4.72	5.14	9.683	9.86	14	Pass
87	6385	1	1.35	2.624	4.19	5.14	8.57	9.33	14	Pass
135	6625	1	1.13	2.556	4.08	5.16	8.386	9.24	14	Pass
151	6705	1.25	1.19	2.649	4.23	5.16	8.691	9.39	14	Pass
167	6785	1.25	1.25	2.667	4.26	5.16	8.75	9.42	14	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

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	5.66	5.13	6.94	8.41	5.14	22.665	13.55	14	Pass
47	6185	5.52	5.18	6.861	8.36	5.14	22.407	13.5	14	Pass
79	6345	5.60	5.00	6.793	8.32	5.14	22.185	13.46	14	Pass
143	6665	5.65	4.90	6.763	8.30	5.16	22.189	13.46	14	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

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	-9.40	-9.27	0.2331	-6.32	5.14	0.7613	-1.18	14	Pass
117	6535	-9.33	-8.72	0.251	-6.00	5.16	0.8235	-0.84	14	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

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	-6.32	-6.35	0.4651	-3.32	5.14	1.519	1.82	14	Pass
117	6535	-6.30	-5.70	0.5036	-2.98	5.16	1.652	2.18	14	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

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	0.14	0.27	2.097	3.22	5.14	6.849	8.36	14	Pass
167	6785	-1.22	0.20	1.8022	2.56	5.16	5.913	7.72	14	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

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	3.11	3.56	4.316	6.35	5.14	14.096	11.49	14	Pass
143	6665	3.12	3.33	4.204	6.24	5.16	13.793	11.4	14	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

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							
63	6265	5.60	5.97	7.584	8.80	5.14	24.768	13.94	14	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

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							
63	6265	5.27	5.17	6.654	8.23	5.14	21.731	13.37	14	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

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							
63	6265	5.38	5.35	6.879	8.38	5.14	22.466	13.52	14	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

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	-0.75	-0.34	1.7661	2.47	5.14	5.768	7.61	14	Pass
167	6785	-1.37	0.30	1.801	2.56	5.16	5.909	7.72	14	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

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	4.60	4.80	5.904	7.71	5.14	19.282	12.85	14	Pass
143	6665	4.39	4.40	5.502	7.41	5.16	18.052	12.57	14	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

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	4.65	4.70	5.869	7.69	5.14	19.167	12.83	14	Pass
143	6665	4.35	4.40	5.477	7.39	5.16	17.97	12.55	14	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

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							
63	6265	5.12	5.21	6.57	8.18	5.14	21.457	13.32	14	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

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							
63	6265	4.46	4.69	5.737	7.59	5.14	18.736	12.73	14	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

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							
63	6265	3.63	3.90	4.761	6.78	5.14	15.549	11.92	14	Pass

Notes:

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

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

Mode D

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	-7.40	-7.15	0.3747	-4.26	5.14	1.224	0.88	14	Pass
1	5955	0.11	0.80	2.228	3.48	5.14	7.276	8.62	14	Pass
45	6175	-0.44	0.40	2.0001	3.01	5.14	6.532	8.15	14	Pass
93	6415	-0.32	0.74	2.1147	3.25	5.14	6.906	8.39	14	Pass
117	6535	-0.13	0.84	2.1839	3.39	5.16	7.165	8.55	14	Pass
149	6695	-0.60	1.05	2.1445	3.31	5.16	7.036	8.47	14	Pass
181	6855	-0.92	0.88	2.0337	3.08	5.16	6.672	8.24	14	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	-0.06	1.11	2.2775	3.57	5.14	7.438	8.71	14	Pass
43	6165	3.12	3.65	4.369	6.40	5.14	14.269	11.54	14	Pass
91	6405	-0.11	2.37	2.7008	4.31	5.14	8.82	9.45	14	Pass
123	6565	-0.33	2.87	2.8633	4.57	5.16	9.394	9.73	14	Pass
155	6725	-0.55	2.65	2.7218	4.35	5.16	8.93	9.51	14	Pass
179	6845	-1.00	2.17	2.4425	3.88	5.16	8.014	9.04	14	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	3.95	4.22	5.126	7.10	5.14	16.741	12.24	14	Pass
39	6145	4.20	4.30	5.322	7.26	5.14	17.381	12.4	14	Pass
87	6385	4.72	4.84	6.013	7.79	5.14	19.638	12.93	14	Pass
135	6625	4.90	4.94	6.209	7.93	5.16	20.371	13.09	14	Pass
151	6705	4.51	4.97	5.965	7.76	5.16	19.571	12.92	14	Pass
167	6785	4.11	4.86	5.638	7.51	5.16	18.498	12.67	14	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

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	-13.10	-12.53	0.10482	-9.80	5.14	0.3423	-4.66	14	Pass
1	5955	-10.50	-9.02	0.21444	-6.69	5.14	0.7003	-1.55	14	Pass
45	6175	-9.60	-8.77	0.2424	-6.15	5.14	0.7916	-1.01	14	Pass
93	6415	-9.10	-8.40	0.2676	-5.73	5.14	0.8739	-0.59	14	Pass
117	6535	-9.45	-8.83	0.2444	-6.12	5.16	0.8019	-0.96	14	Pass
149	6695	-9.88	-9.00	0.2287	-6.41	5.16	0.7504	-1.25	14	Pass
181	6855	-10.31	-8.40	0.23765	-6.24	5.16	0.7797	-1.08	14	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

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	-10.14	-9.98	0.19729	-7.05	5.14	0.6443	-1.91	14	Pass
1	5955	-6.64	-6.49	0.4412	-3.55	5.14	1.441	1.59	14	Pass
45	6175	-6.75	-6.15	0.454	-3.43	5.14	1.483	1.71	14	Pass
93	6415	-6.88	-6.42	0.4332	-3.63	5.14	1.415	1.51	14	Pass
117	6535	-6.40	-5.68	0.4995	-3.01	5.16	1.639	2.15	14	Pass
149	6695	-7.52	-6.13	0.4208	-3.76	5.16	1.381	1.4	14	Pass
181	6855	-7.33	-5.74	0.4516	-3.45	5.16	1.482	1.71	14	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

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	-9.43	-9.13	0.2362	-6.27	5.14	0.7714	-1.13	14	Pass
1	5955	-3.44	-3.28	0.9228	-0.35	5.14	3.014	4.79	14	Pass
45	6175	-3.61	-3.10	0.9253	-0.34	5.14	3.022	4.8	14	Pass
93	6415	-3.91	-3.44	0.8593	-0.66	5.14	2.806	4.48	14	Pass
117	6535	-3.22	-2.55	1.0323	0.14	5.16	3.387	5.3	14	Pass
149	6695	-4.40	-3.06	0.8574	-0.67	5.16	2.813	4.49	14	Pass
181	6855	-3.92	-2.48	0.9704	-0.13	5.16	3.184	5.03	14	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

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-8.12	-7.88	0.3171	-4.99	5.14	1.036	0.15	14	Pass
1	5955	0.48	0.65	2.278	3.58	5.14	7.44	8.72	14	Pass
45	6175	-0.20	0.33	2.0339	3.08	5.14	6.642	8.22	14	Pass
93	6415	-0.06	0.79	2.1858	3.40	5.14	7.139	8.54	14	Pass
117	6535	-0.25	0.28	2.0107	3.03	5.16	6.597	8.19	14	Pass
149	6695	-0.36	0.97	2.1707	3.37	5.16	7.122	8.53	14	Pass
181	6855	-0.55	0.85	2.0972	3.22	5.16	6.881	8.38	14	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

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	1.19	1.59	2.757	4.40	5.14	9.004	9.54	14	Pass
43	6165	3.07	2.90	3.978	6.00	5.14	12.992	11.14	14	Pass
91	6405	2.16	2.01	3.233	5.10	5.14	10.559	10.24	14	Pass
123	6565	3.60	3.20	4.38	6.41	5.16	14.371	11.57	14	Pass
155	6725	2.23	2.47	3.437	5.36	5.16	11.277	10.52	14	Pass
179	6845	2.29	2.38	3.424	5.35	5.16	11.234	10.51	14	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) 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	4.41	4.20	5.391	7.32	5.14	17.606	12.46	14	Pass
39	6145	4.66	4.24	5.579	7.47	5.14	18.22	12.61	14	Pass
87	6385	4.70	4.30	5.643	7.52	5.14	18.429	12.66	14	Pass
135	6625	4.99	4.90	6.245	7.96	5.16	20.49	13.12	14	Pass
151	6705	4.80	4.88	6.096	7.85	5.16	20.001	13.01	14	Pass
167	6785	4.66	4.74	5.903	7.71	5.16	19.367	12.87	14	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+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	-6.50	-6.37	0.4545	-3.42	5.14	1.484	1.72	14	Pass
117	6535	-6.37	-5.57	0.508	-2.94	5.16	1.667	2.22	14	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

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	-3.65	-3.34	0.895	-0.48	5.14	2.923	4.66	14	Pass
117	6535	-3.45	-2.64	0.9964	-0.02	5.16	3.269	5.14	14	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

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	3.43	3.20	4.292	6.33	5.14	14.017	11.47	14	Pass
167	6785	2.37	2.29	3.42	5.34	5.16	11.221	10.5	14	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 (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	5.86	5.80	7.657	8.84	5.14	25.007	13.98	14	Pass
143	6665	5.83	5.70	7.544	8.78	5.16	24.752	13.94	14	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) 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	1.78	2.25	3.185	5.03	5.14	10.402	10.17	14	Pass
167	6785	2.82	3.39	4.097	6.12	5.16	13.442	11.28	14	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 (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	4.97	5.12	6.391	8.06	5.14	20.872	13.2	14	Pass
143	6665	4.86	4.92	6.167	7.90	5.16	20.234	13.06	14	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 (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	5.10	5.13	6.494	8.13	5.14	21.209	13.27	14	Pass
143	6665	4.90	4.96	6.224	7.94	5.16	20.421	13.1	14	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.

7.2 Maximum Power Spectral Density

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

1TX

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
2	5935	-10.95	5.14	-5.81	-5	Pass
1	5955	-10.91	5.14	-5.77	-5	Pass
45	6175	-10.55	5.14	-5.41	-5	Pass
93	6415	-11.35	5.14	-6.21	-5	Pass
117	6535	-11.11	5.16	-5.95	-5	Pass
149	6695	-11.43	5.16	-6.27	-5	Pass
181	6855	-11.16	5.16	-6	-5	Pass

Notes:

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

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
2	5935	-18.15	5.14	-13.01	-5	Pass
1	5955	-10.95	5.14	-5.81	-5	Pass
45	6175	-10.16	5.14	-5.02	-5	Pass
93	6415	-10.25	5.14	-5.11	-5	Pass
117	6535	-10.22	5.16	-5.06	-5	Pass
149	6695	-10.46	5.16	-5.3	-5	Pass
181	6855	-10.76	5.16	-5.6	-5	Pass

Notes:

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

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
3	5965	-10.15	5.14	-5.01	-5	Pass
43	6165	-10.27	5.14	-5.13	-5	Pass
91	6405	-10.15	5.14	-5.01	-5	Pass
123	6565	-10.24	5.16	-5.08	-5	Pass
155	6725	-10.50	5.16	-5.34	-5	Pass
179	6845	-10.41	5.16	-5.25	-5	Pass

Notes:

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

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
7	5985	-10.39	5.14	-5.25	-5	Pass
39	6145	-10.36	5.14	-5.22	-5	Pass
87	6385	-10.61	5.14	-5.47	-5	Pass
135	6625	-10.22	5.16	-5.06	-5	Pass
151	6705	-10.52	5.16	-5.36	-5	Pass
167	6785	-10.51	5.16	-5.35	-5	Pass

Notes:

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

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
15	6025	-12.79	5.14	-7.65	-5	Pass
47	6185	-13.14	5.14	-8	-5	Pass
79	6345	-13.30	5.14	-8.16	-5	Pass
143	6665	-13.09	5.16	-7.93	-5	Pass

Notes:

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

802.11be (EHT320)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
31	6105	-15	0.17	-14.83	5.14	-9.69	-5	Pass
63	6265	-15.22	0.17	-15.05	5.14	-9.91	-5	Pass

Notes:

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

802.11be (EHT20) 26-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
2	5935	-14.68	5.14	-9.54	-5	Pass
1	5955	-11.23	5.14	-6.09	-5	Pass
45	6175	-11.29	5.14	-6.15	-5	Pass
93	6415	-10.60	5.14	-5.46	-5	Pass
117	6535	-11.54	5.16	-6.38	-5	Pass
149	6695	-12.04	5.16	-6.88	-5	Pass
181	6855	-11.61	5.16	-6.45	-5	Pass

Notes:

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

802.11be (EHT20) 52-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
2	5935	-14.70	5.14	-9.56	-5	Pass
1	5955	-10.92	5.14	-5.78	-5	Pass
45	6175	-11.07	5.14	-5.93	-5	Pass
93	6415	-11.08	5.14	-5.94	-5	Pass
117	6535	-10.70	5.16	-5.54	-5	Pass
149	6695	-11.57	5.16	-6.41	-5	Pass
181	6855	-11.46	5.16	-6.3	-5	Pass

Notes:

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

802.11be (EHT20) 106-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
2	5935	-16.83	5.14	-11.69	-5	Pass
1	5955	-10.79	5.14	-5.65	-5	Pass
45	6175	-11.27	5.14	-6.13	-5	Pass
93	6415	-11.21	5.14	-6.07	-5	Pass
117	6535	-11.09	5.16	-5.93	-5	Pass
149	6695	-11.52	5.16	-6.36	-5	Pass
181	6855	-11.08	5.16	-5.92	-5	Pass

Notes:

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

802.11be (EHT20) 242-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
2	5935	-18.98	5.14	-13.84	-5	Pass
1	5955	-10.16	5.14	-5.02	-5	Pass
45	6175	-10.20	5.14	-5.06	-5	Pass
93	6415	-10.18	5.14	-5.04	-5	Pass
117	6535	-10.18	5.16	-5.02	-5	Pass
149	6695	-10.25	5.16	-5.09	-5	Pass
181	6855	-10.25	5.16	-5.09	-5	Pass

Notes:

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

802.11be (EHT40) 484-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
3	5965	-10.21	5.14	-5.07	-5	Pass
43	6165	-10.19	5.14	-5.05	-5	Pass
91	6405	-10.43	5.14	-5.29	-5	Pass
123	6565	-10.25	5.16	-5.09	-5	Pass
155	6725	-10.25	5.16	-5.09	-5	Pass
179	6845	-10.33	5.16	-5.17	-5	Pass

Notes:

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

802.11be (EHT80) 996-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
7	5985	-10.26	5.14	-5.12	-5	Pass
39	6145	-10.17	5.14	-5.03	-5	Pass
87	6385	-10.16	5.14	-5.02	-5	Pass
135	6625	-10.19	5.16	-5.03	-5	Pass
151	6705	-10.18	5.16	-5.02	-5	Pass
167	6785	-10.19	5.16	-5.03	-5	Pass

Notes:

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

802.11be (EHT160) 2x996-tone RU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
15	6025	-12.77	0.09	-12.68	5.14	-7.54	-5	Pass
47	6185	-12.74	0.09	-12.65	5.14	-7.51	-5	Pass
79	6345	-12.87	0.09	-12.78	5.14	-7.64	-5	Pass
143	6665	-13.04	0.09	-12.95	5.16	-7.79	-5	Pass

Notes:

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

802.11be (EHT20) 52+26-tone MRU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	-12.16	5.14	-7.02	-5	Pass
117	6535	-11.88	5.16	-6.72	-5	Pass

Notes:

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

802.11be (EHT20) 106+26-tone MRU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	-11.43	5.14	-6.29	-5	Pass
117	6535	-11.64	5.16	-6.48	-5	Pass

Notes:

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

802.11be (EHT80) 484+242-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
7	5985	-10.31	0.14	-10.17	5.14	-5.03	-5	Pass
167	6785	-10.39	0.14	-10.25	5.16	-5.09	-5	Pass

Notes:

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

802.11be (EHT160) 996+484-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
15	6025	-10.45	0.13	-10.32	5.14	-5.18	-5	Pass
143	6665	-10.42	0.13	-10.29	5.16	-5.13	-5	Pass

Notes:

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

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

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
63	6265	-12.72	0.14	-12.58	5.14	-7.44	-5	Pass

Notes:

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

802.11be (EHT320) 3x996-tone MRU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
63	6265	-13.88	0.17	-13.71	5.14	-8.57	-5	Pass

Notes:

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

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

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
63	6265	-15	0.18	-14.82	5.14	-9.68	-5	Pass

Notes:

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

802.11be (EHT80) Punctured by 20 MHz

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
7	5985	-11.38	5.14	-6.24	-5	Pass
167	6785	-10.63	5.16	-5.47	-5	Pass

Notes:

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

802.11be (EHT160) Punctured by 20 MHz

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
15	6025	-12.72	5.14	-7.58	-5	Pass
143	6665	-13.43	5.16	-8.27	-5	Pass

Notes:

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

802.11be (EHT160) Punctured by 40 MHz

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
15	6025	-12.16	5.14	-7.02	-5	Pass
143	6665	-12.92	5.16	-7.76	-5	Pass

Notes:

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

802.11be (EHT320) Punctured by 40 MHz

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
63	6265	-14.83	5.14	-9.69	-5	Pass

Notes:

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

802.11be (EHT320) Punctured by 80 MHz

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
63	6265	-14.36	5.14	-9.22	-5	Pass

Notes:

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

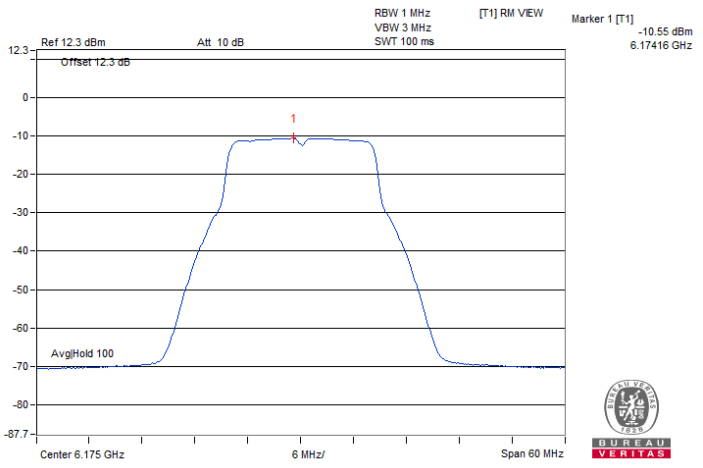
802.11be (EHT320) Punctured by 80+40 MHz

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Antenna Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
63	6265	-14.84	5.14	-9.7	-5	Pass

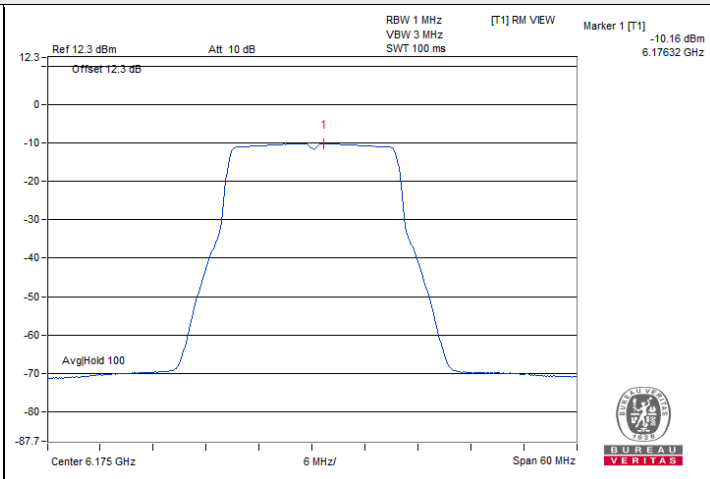
Notes:

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

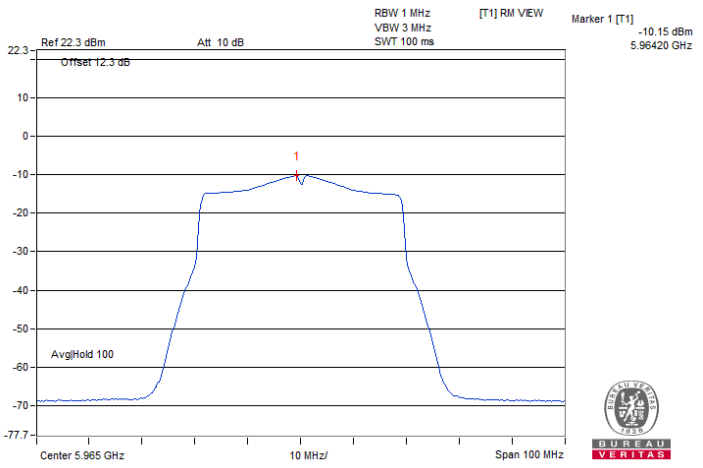
Spectrum Plot of Maximum Value



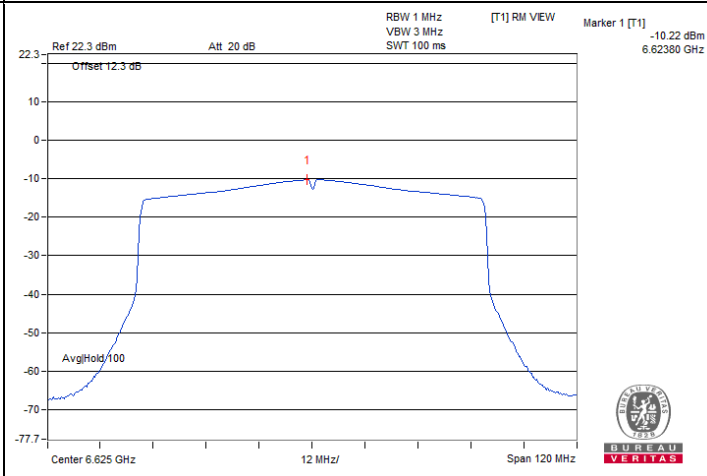
802.11a : CH 45



802.11be (EHT20) : CH 45

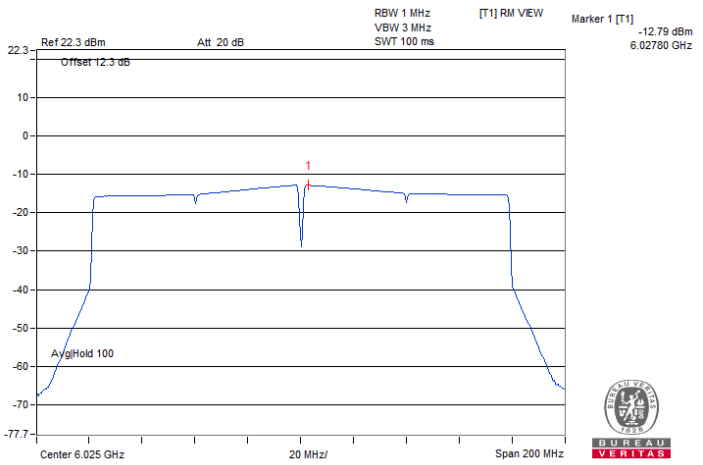


802.11be (EHT40) : CH 3

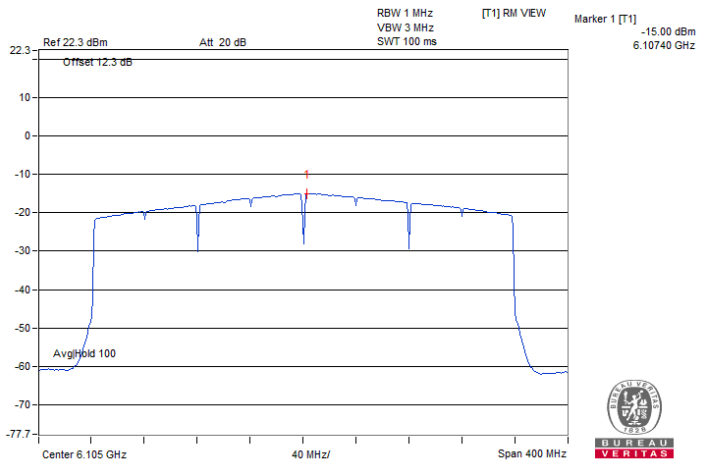


802.11be (EHT80) : CH 135

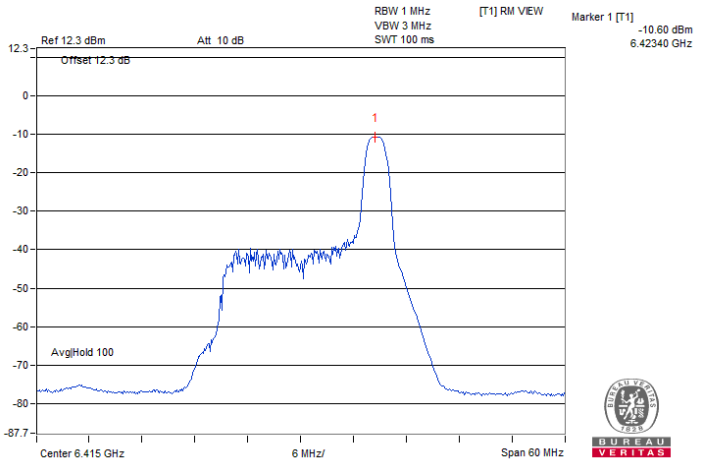
Spectrum Plot of Maximum Value



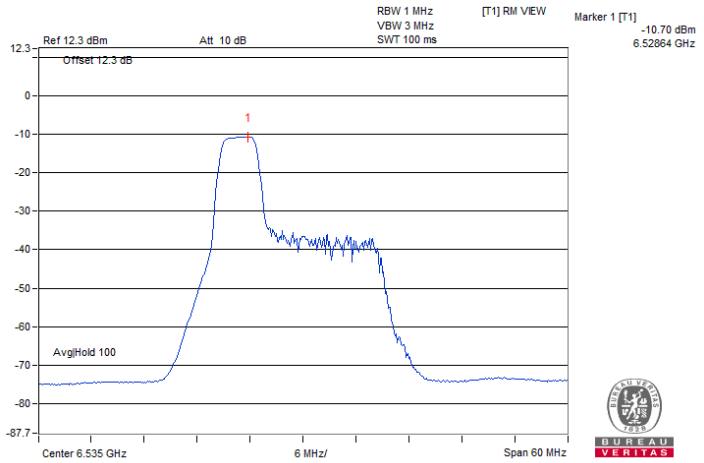
802.11be (EHT160) : CH 15



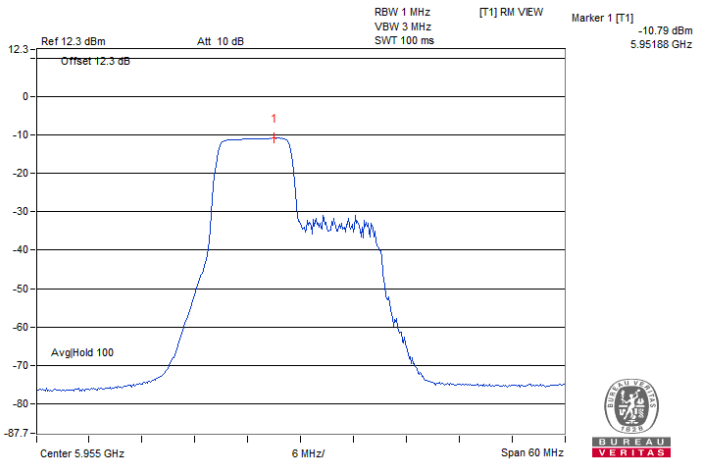
802.11be (EHT320) : CH 31



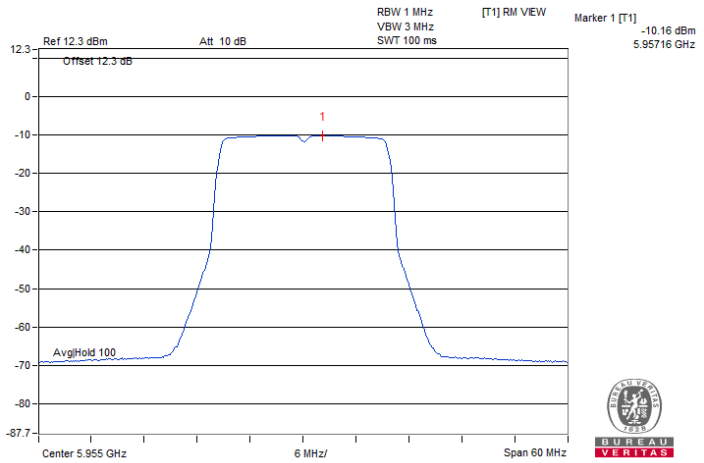
802.11be (EHT20) 26-tone RU : CH 93



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

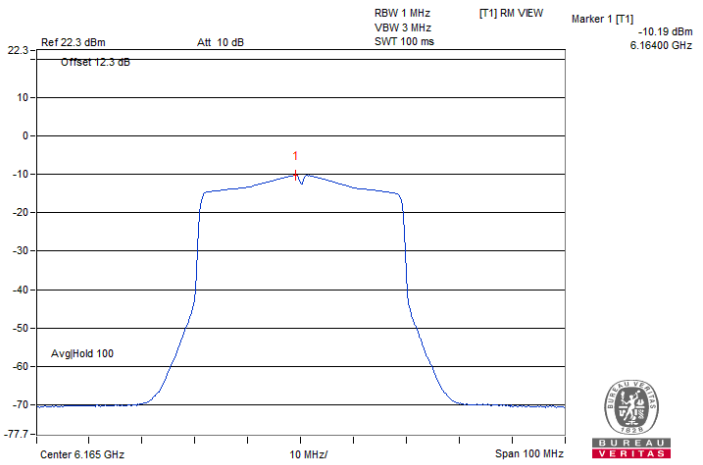


802.11be (EHT20) 106-tone RU : CH 1

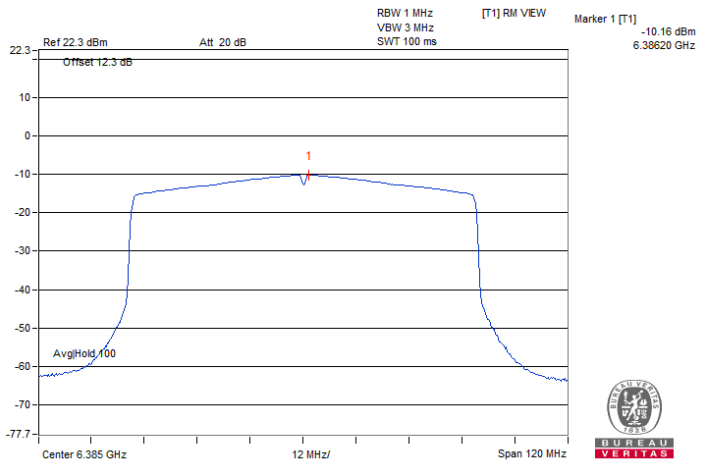


802.11be (EHT20) 242-tone RU : CH 1

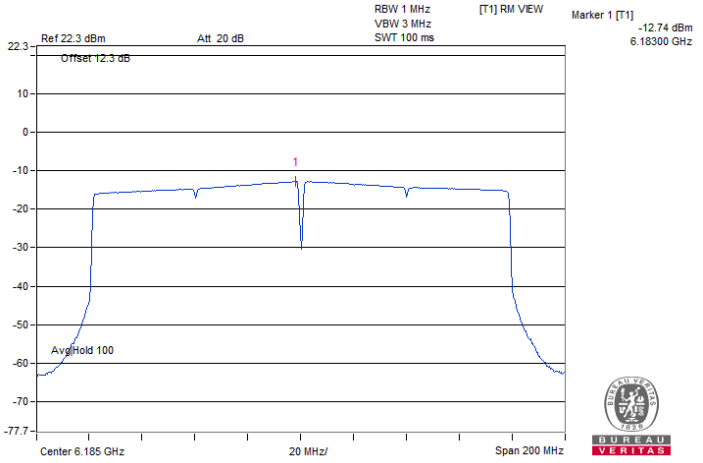
Spectrum Plot of Maximum Value



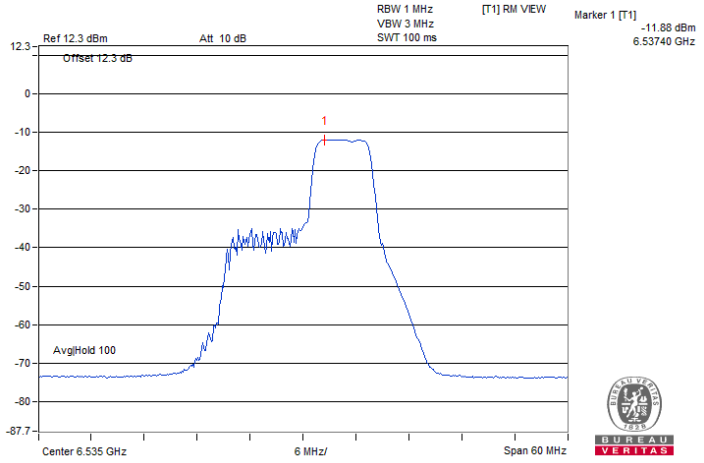
802.11be (EHT40) 484-tone RU : CH 43



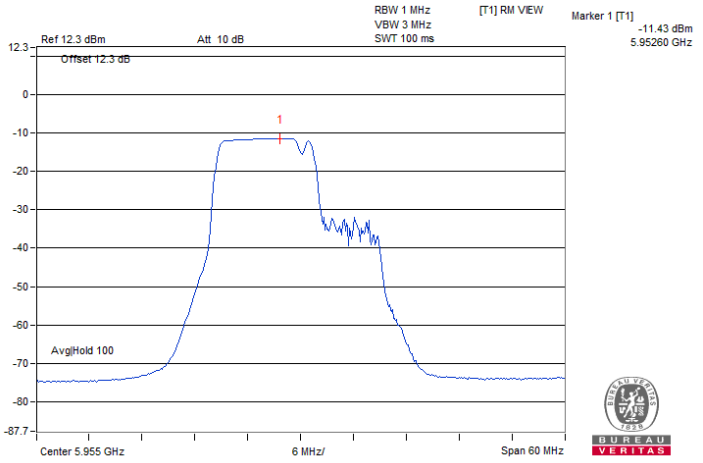
802.11be (EHT80) 996-tone RU : CH 87



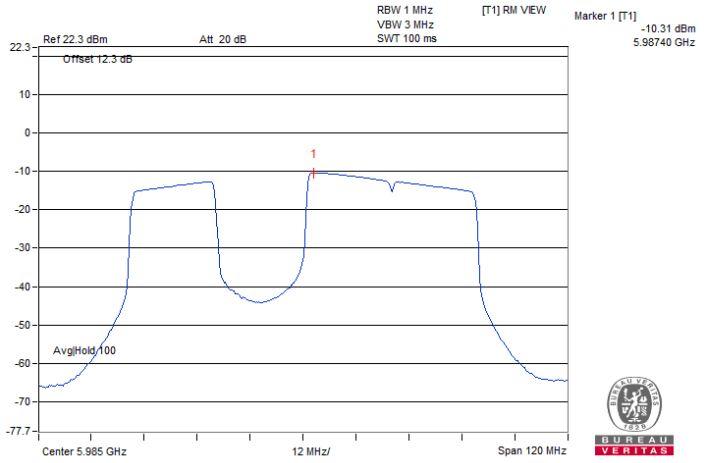
802.11be (EHT160) 2x996-tone RU : CH 47



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

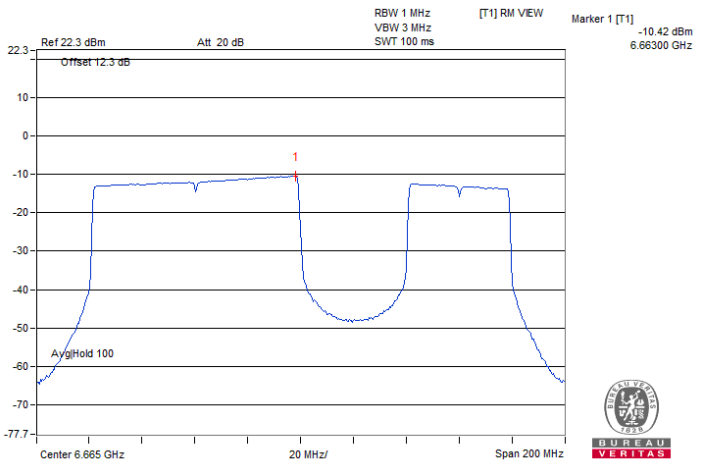


802.11be (EHT20) 106+26-tone MRU : CH 1

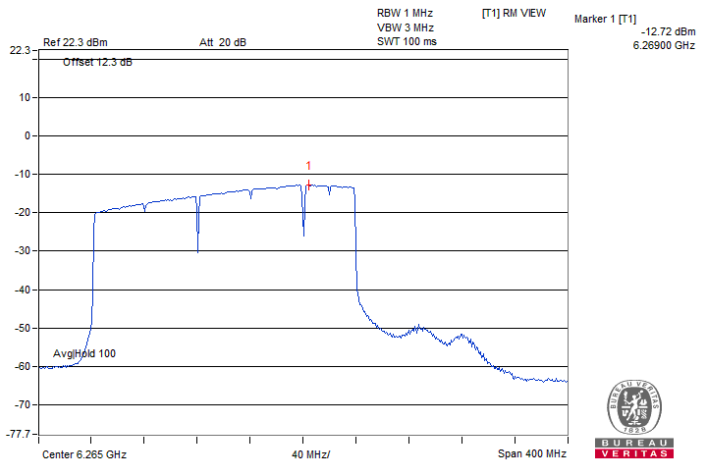


802.11be (EHT80) 484+242-tone MRU : CH 7

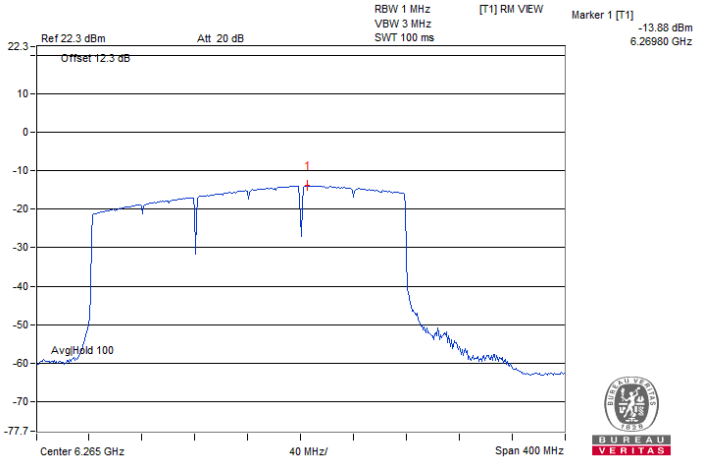
Spectrum Plot of Maximum Value



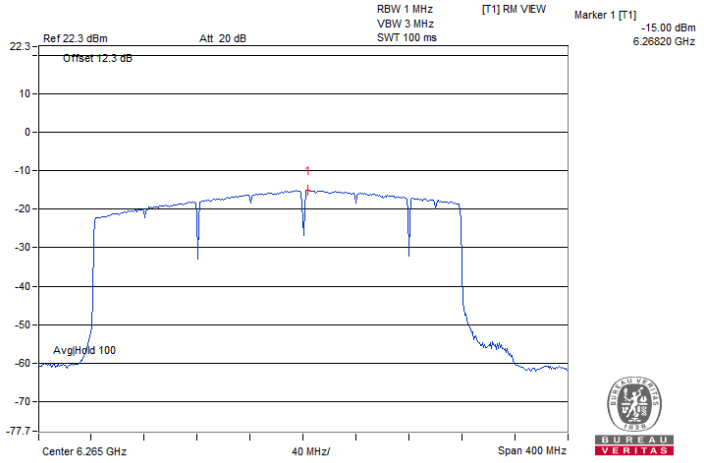
802.11be (EHT160) 996+484-tone MRU : CH 143



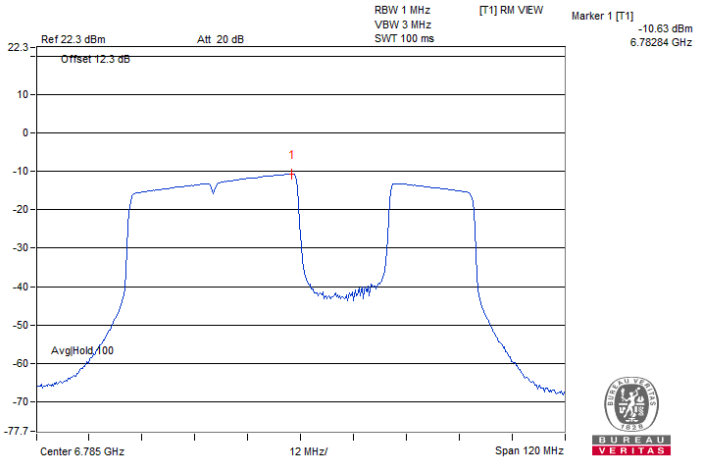
802.11be (EHT320) 2x996+484-tone MRU : CH 63



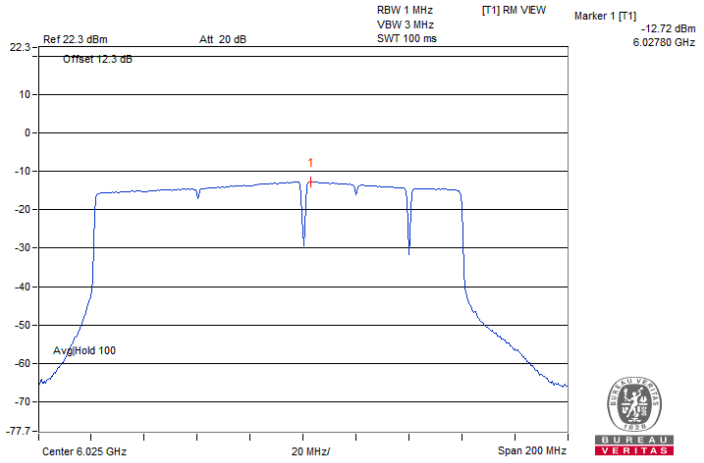
802.11be (EHT320) 3x996-tone MRU : CH 63



802.11be (EHT320) 3x996+484-tone MRU : CH 63

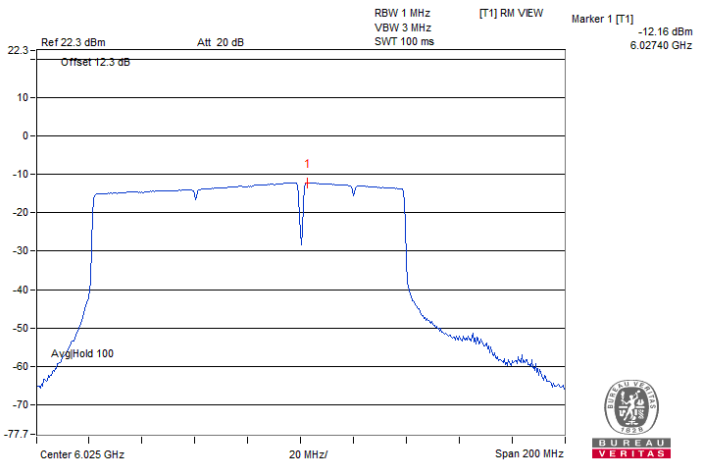


802.11be (EHT80) Punctured by 20 MHz : CH 167

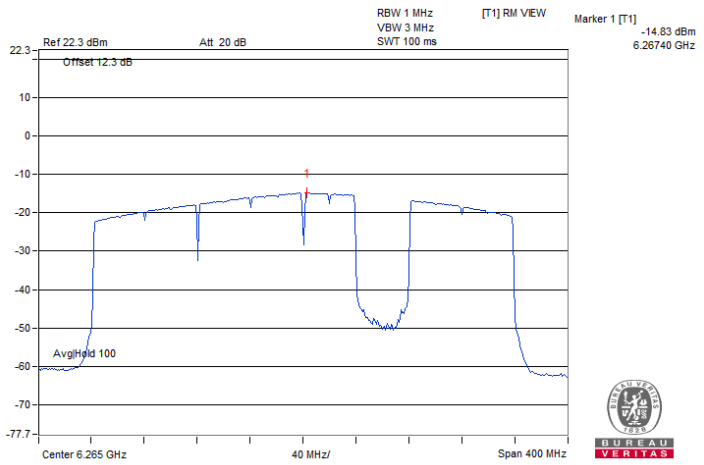


802.11be (EHT160) Punctured by 20 MHz : CH 15

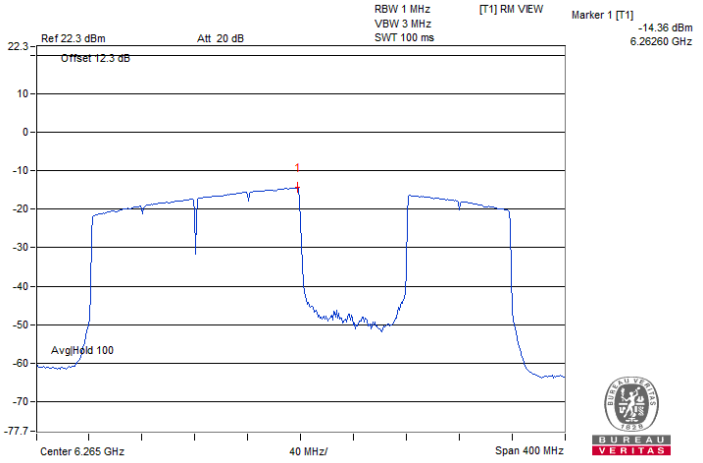
Spectrum Plot of Maximum Value



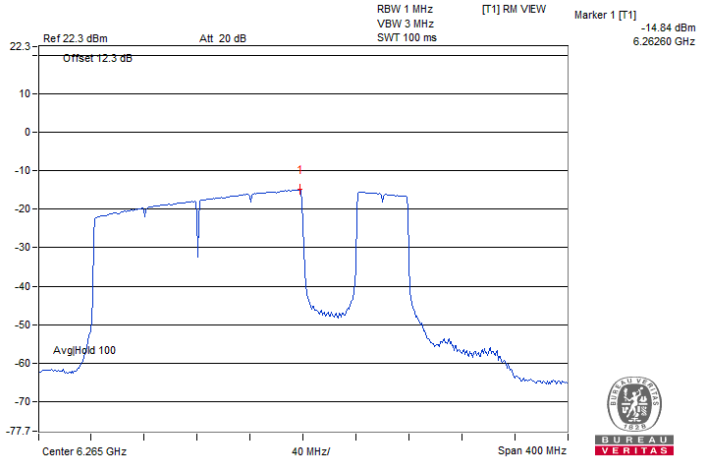
802.11be (EHT160) Punctured by 40 MHz : CH 15



802.11be (EHT320) Punctured by 40 MHz : CH 63



802.11be (EHT320) Punctured by 80 MHz : CH 63



802.11be (EHT320) Punctured by 80+40 MHz : CH 63

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

2TX

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1					
2	5935	-16.90	-16.18	-13.51	8.15	-5.36	-5	Pass
1	5955	-16.85	-16.26	-13.53	8.15	-5.38	-5	Pass
45	6175	-16.74	-15.80	-13.23	8.15	-5.08	-5	Pass
93	6415	-16.60	-15.86	-13.20	8.15	-5.05	-5	Pass
117	6535	-17.16	-15.99	-13.53	8.17	-5.36	-5	Pass
149	6695	-17.28	-15.34	-13.19	8.17	-5.02	-5	Pass
181	6855	-17.15	-15.41	-13.18	8.17	-5.01	-5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 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	-24.29	-23.63	-20.94	8.15	-12.79	-5	Pass
1	5955	-16.56	-16.05	-13.29	8.15	-5.14	-5	Pass
45	6175	-16.67	-15.82	-13.21	8.15	-5.06	-5	Pass
93	6415	-16.92	-16.00	-13.43	8.15	-5.28	-5	Pass
117	6535	-16.91	-15.58	-13.18	8.17	-5.01	-5	Pass
149	6695	-17.47	-15.34	-13.27	8.17	-5.1	-5	Pass
181	6855	-17.32	-15.36	-13.22	8.17	-5.05	-5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 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	-16.79	-15.64	-13.17	8.15	-5.02	-5	Pass
43	6165	-16.87	-15.56	-13.16	8.15	-5.01	-5	Pass
91	6405	-17.40	-15.73	-13.47	8.15	-5.32	-5	Pass
123	6565	-17.03	-15.61	-13.25	8.17	-5.08	-5	Pass
155	6725	-17.55	-15.40	-13.33	8.17	-5.16	-5	Pass
179	6845	-17.59	-15.30	-13.29	8.17	-5.12	-5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 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	-16.59	-15.91	-13.23	8.15	-5.08	-5	Pass
39	6145	-16.39	-16.16	-13.26	8.15	-5.11	-5	Pass
87	6385	-16.26	-16.12	-13.18	8.15	-5.03	-5	Pass
135	6625	-16.99	-16.03	-13.47	8.17	-5.3	-5	Pass
151	6705	-16.84	-15.70	-13.22	8.17	-5.05	-5	Pass
167	6785	-16.97	-15.65	-13.25	8.17	-5.08	-5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 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	-16.24	-16.16	-13.19	8.15	-5.04	-5	Pass
47	6185	-16.14	-16.25	-13.18	8.15	-5.03	-5	Pass
79	6345	-16.09	-16.28	-13.17	8.15	-5.02	-5	Pass
143	6665	-16.18	-16.22	-13.19	8.17	-5.02	-5	Pass

Notes:

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

802.11be (EHT320)

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	-18.55	-18.32	0.19	-15.23	8.15	-7.08	-5	Pass
63	6265	-18.24	-17.77	0.19	-14.80	8.15	-6.65	-5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 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

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	-20.65	-20.42	-17.52	8.15	-9.37	-5	Pass
1	5955	-16.33	-16.50	-13.40	8.15	-5.25	-5	Pass
45	6175	-16.84	-16.07	-13.43	8.15	-5.28	-5	Pass
93	6415	-16.05	-16.39	-13.21	8.15	-5.06	-5	Pass
117	6535	-16.13	-16.98	-13.52	8.17	-5.35	-5	Pass
149	6695	-15.83	-17.23	-13.46	8.17	-5.29	-5	Pass
181	6855	-17.58	-15.75	-13.56	8.17	-5.39	-5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi.
4. For U-NII-7, The directional gain is 8.17 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	-20.68	-20.39	-17.52	8.15	-9.37	-5	Pass
1	5955	-16.49	-16.32	-13.39	8.15	-5.24	-5	Pass
45	6175	-16.87	-16.14	-13.48	8.15	-5.33	-5	Pass
93	6415	-16.87	-16.24	-13.53	8.15	-5.38	-5	Pass
117	6535	-16.70	-15.76	-13.19	8.17	-5.02	-5	Pass
149	6695	-17.21	-15.70	-13.38	8.17	-5.21	-5	Pass
181	6855	-17.57	-15.69	-13.52	8.17	-5.35	-5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi.
4. For U-NII-7, The directional gain is 8.17 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	-22.54	-22.43	-19.47	8.15	-11.32	-5	Pass
1	5955	-16.37	-16.68	-13.51	8.15	-5.36	-5	Pass
45	6175	-16.78	-16.27	-13.51	8.15	-5.36	-5	Pass
93	6415	-16.28	-16.78	-13.51	8.15	-5.36	-5	Pass
117	6535	-16.55	-16.13	-13.32	8.17	-5.15	-5	Pass
149	6695	-17.28	-15.95	-13.55	8.17	-5.38	-5	Pass
181	6855	-17.17	-15.42	-13.20	8.17	-5.03	-5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi.
4. For U-NII-7, The directional gain is 8.17 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	-24.55	-24.50	-21.51	8.15	-13.36	-5	Pass
1	5955	-16.67	-16.58	-13.61	8.15	-5.46	-5	Pass
45	6175	-16.86	-16.43	-13.63	8.15	-5.48	-5	Pass
93	6415	-16.84	-16.34	-13.57	8.15	-5.42	-5	Pass
117	6535	-16.74	-15.91	-13.29	8.17	-5.12	-5	Pass
149	6695	-17.25	-15.70	-13.40	8.17	-5.23	-5	Pass
181	6855	-17.12	-15.60	-13.28	8.17	-5.11	-5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi.
4. For U-NII-7, The directional gain is 8.17 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	-16.31	-16.18	-13.23	8.15	-5.08	-5	Pass
43	6165	-16.68	-16.47	-13.56	8.15	-5.41	-5	Pass
91	6405	-16.93	-16.24	-13.56	8.15	-5.41	-5	Pass
123	6565	-16.44	-16.17	-13.29	8.17	-5.12	-5	Pass
155	6725	-17.07	-15.82	-13.39	8.17	-5.22	-5	Pass
179	6845	-17.39	-15.64	-13.42	8.17	-5.25	-5	Pass

Notes:

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

802.11be (EHT80) 996-tone RU

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1						
7	5985	-16.63	-16.21	0.12	-13.28	8.15	-5.13	-5	Pass
39	6145	-16.51	-16.49	0.12	-13.37	8.15	-5.22	-5	Pass
87	6385	-16.28	-16.55	0.12	-13.28	8.15	-5.13	-5	Pass
135	6625	-17.15	-16.28	0.12	-13.56	8.17	-5.39	-5	Pass
151	6705	-17.07	-16.05	0.12	-13.40	8.17	-5.23	-5	Pass
167	6785	-17.27	-15.91	0.12	-13.41	8.17	-5.24	-5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 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

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	-16.32	-16.66	0.09	-13.39	8.15	-5.24	-5	Pass
47	6185	-16.22	-16.55	0.09	-13.28	8.15	-5.13	-5	Pass
79	6345	-16.27	-16.35	0.09	-13.21	8.15	-5.06	-5	Pass
143	6665	-16.11	-16.57	0.09	-13.23	8.17	-5.06	-5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 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

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	-18.25	-18.18	-15.20	8.15	-7.05	-5	Pass
117	6535	-18.22	-17.46	-14.81	8.17	-6.64	-5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi.
4. For U-NII-7, The directional gain is 8.17 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	-17.52	-17.33	-14.41	8.15	-6.26	-5	Pass
117	6535	-17.62	-16.79	-14.17	8.17	-6	-5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi.
4. For U-NII-7, The directional gain is 8.17 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	-16.39	-16.28	0.1	-13.22	8.15	-5.07	-5	Pass
167	6785	-17.51	-15.97	0.1	-13.56	8.17	-5.39	-5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi.
4. For U-NII-7, The directional gain is 8.17 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	-16.75	-16.38	0.13	-13.42	8.15	-5.27	-5	Pass
143	6665	-16.76	-16.32	0.13	-13.39	8.17	-5.22	-5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi.
4. For U-NII-7, The directional gain is 8.17 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						
63	6265	-16.26	-16.54	0.2	-13.19	8.15	-5.04	-5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi.
4. For U-NII-7, The directional gain is 8.17 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						
63	6265	-17.73	-17.94	0.23	-14.59	8.15	-6.44	-5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi.
4. For U-NII-7, The directional gain is 8.17 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						
63	6265	-18.33	-18.44	0.27	-15.10	8.15	-6.95	-5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. 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) 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	-16.86	-16.27	-13.54	8.15	-5.39	-5	Pass
167	6785	-17.71	-15.79	-13.63	8.17	-5.46	-5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi.
4. For U-NII-7, The directional gain is 8.17 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	-16.68	-16.67	-13.66	8.15	-5.51	-5	Pass
143	6665	-16.96	-16.58	-13.76	8.17	-5.59	-5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi.
4. For U-NII-7, The directional gain is 8.17 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	-16.12	-16.35	-13.22	8.15	-5.07	-5	Pass
143	6665	-16.41	-16.03	-13.21	8.17	-5.04	-5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi.
4. For U-NII-7, The directional gain is 8.17 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					
63	6265	-18.03	-17.40	-14.69	8.15	-6.54	-5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-5, The directional gain is 8.15 dBi.
4. For U-NII-7, The directional gain is 8.17 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					
63	6265	-17.95	-17.43	-14.67	8.15	-6.52	-5	Pass

Notes:

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

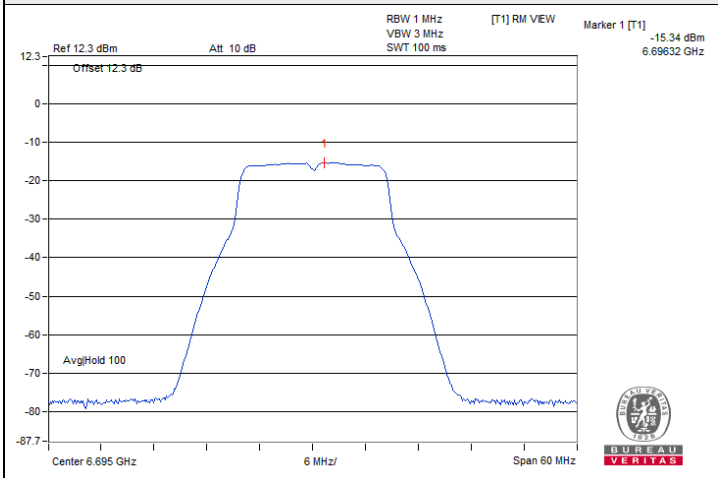
802.11be (EHT320) Punctured by 80+40 MHz

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					
63	6265	-16.36	-16.24	-13.29	8.15	-5.14	-5	Pass

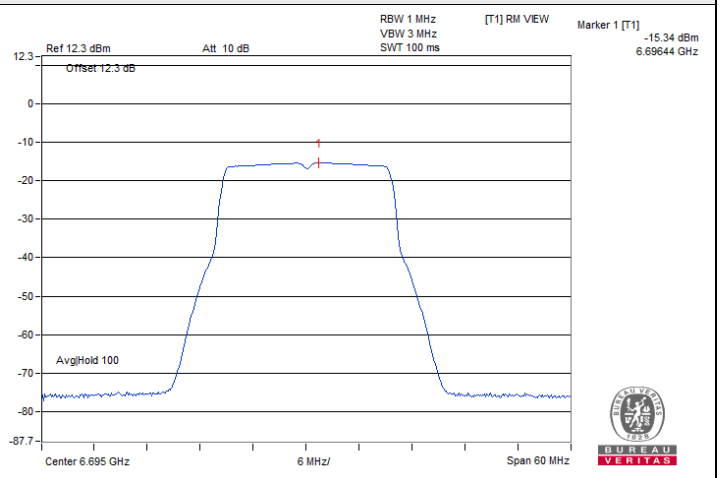
Notes:

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

Spectrum Plot of Maximum Value

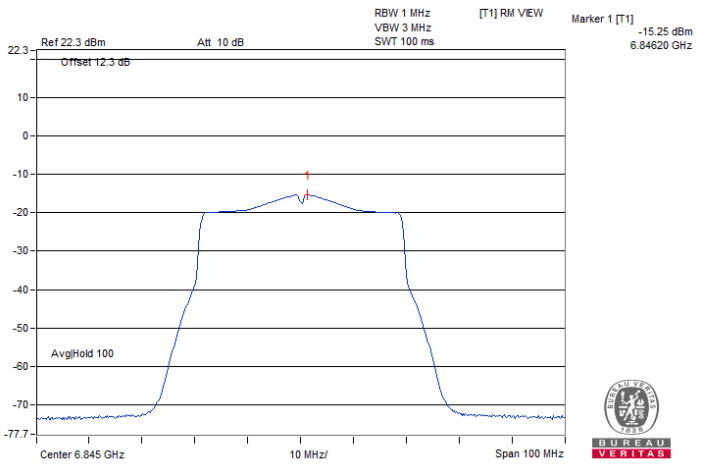


802.11a / Chain 1 : CH 149

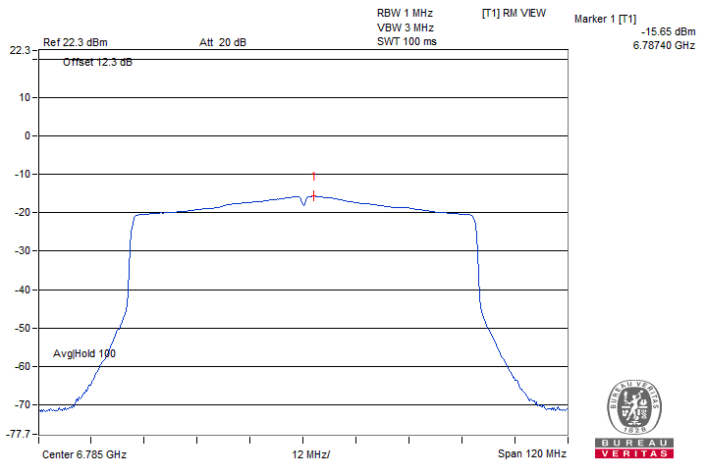


802.11be (EHT20) / Chain 1 : CH 149

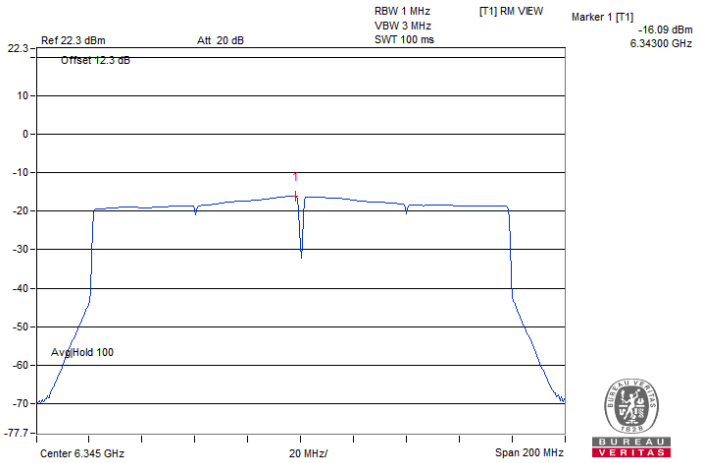
Spectrum Plot of Maximum Value



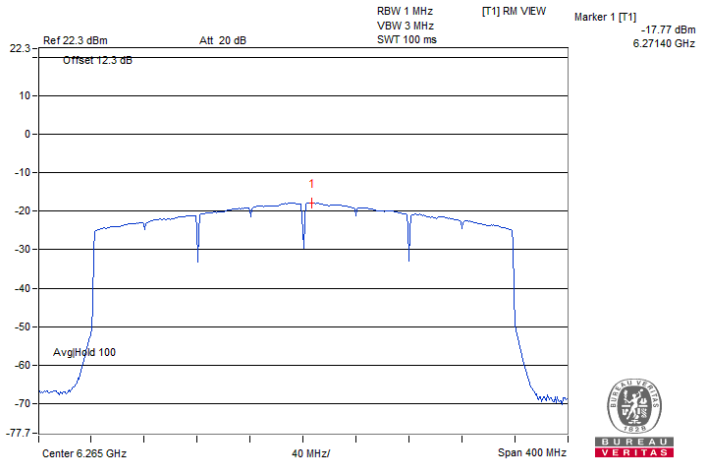
802.11be (EHT40) / Chain 1 : CH 179



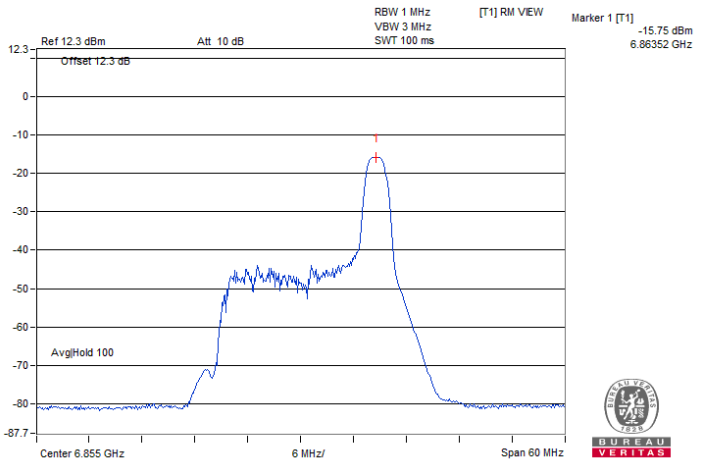
802.11be (EHT80) / Chain 1 : CH 167



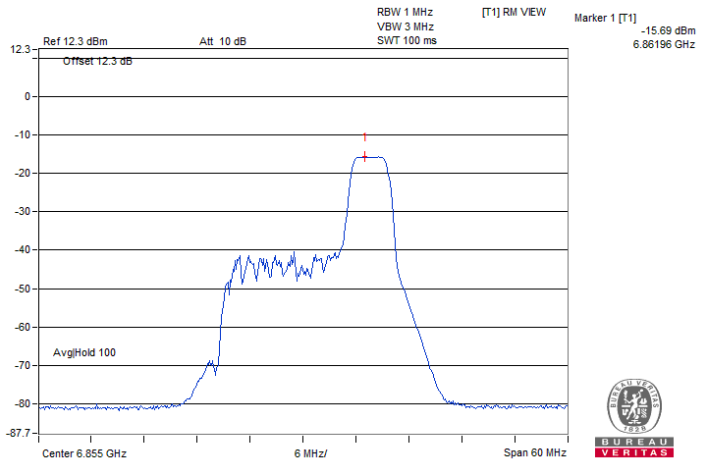
802.11be (EHT160) / Chain 0 : CH 79



802.11be (EHT320) / Chain 1 : CH 63

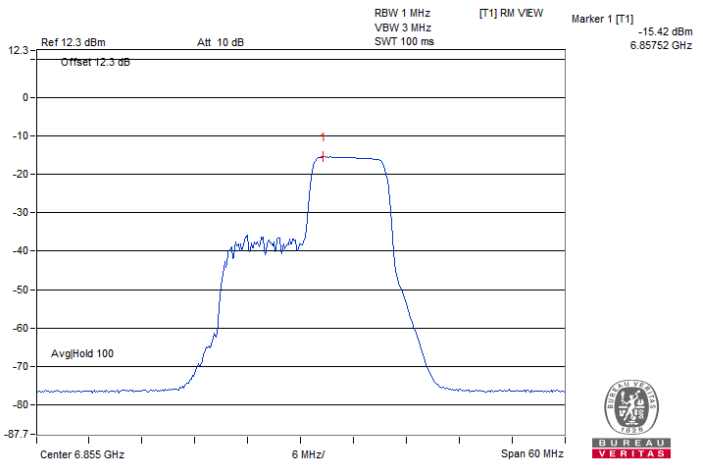


802.11be (EHT20) 26-tone RU / Chain 1 : CH 181

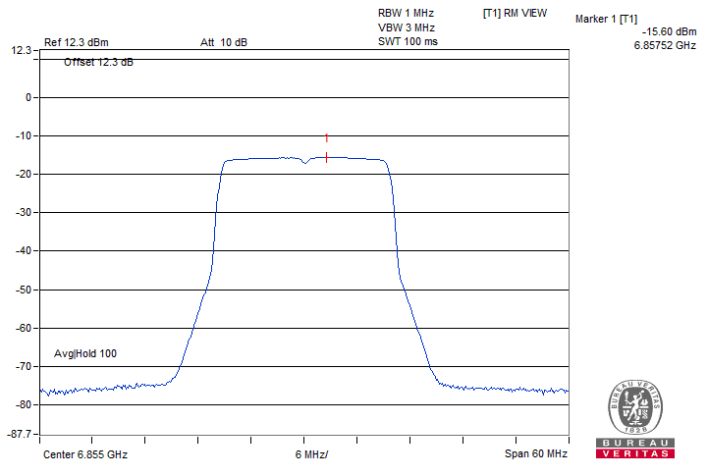


802.11be (EHT20) 52-tone RU / Chain 1 : CH 181

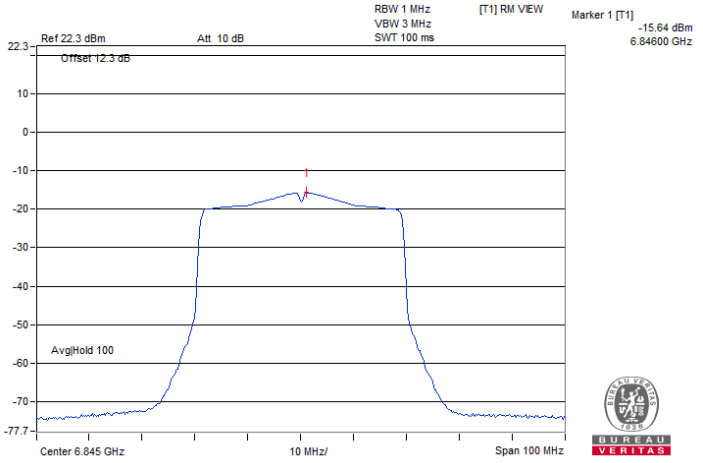
Spectrum Plot of Maximum Value



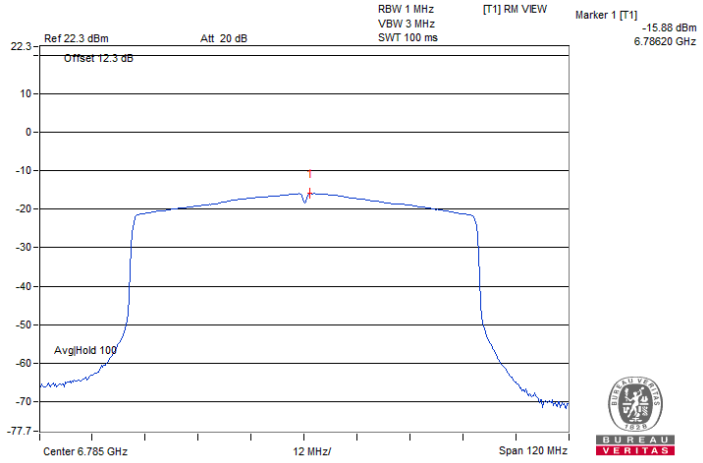
802.11be (EHT20) 106-tone RU / Chain 1 : CH 181



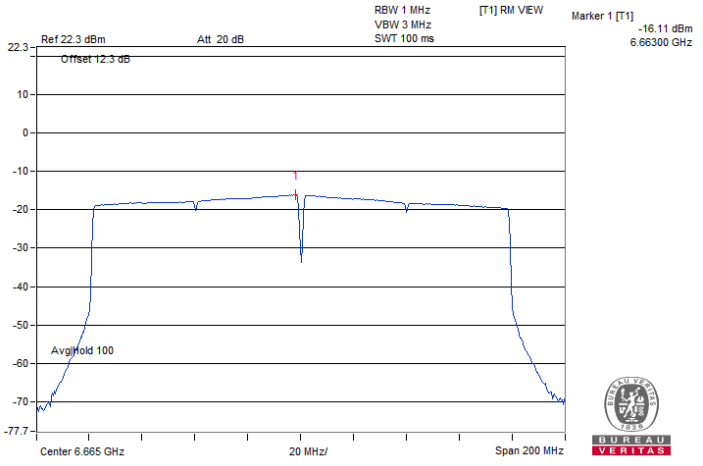
802.11be (EHT20) 242-tone RU / Chain 1 : CH 181



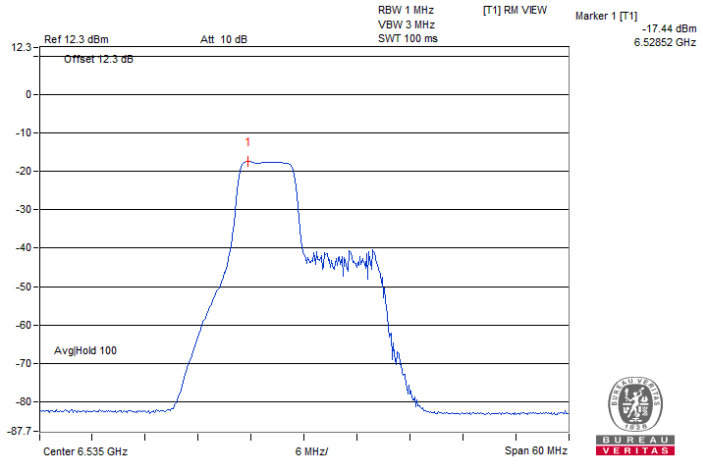
802.11be (EHT40) 484-tone RU / Chain 1 : CH 179



802.11be (EHT80) 996-tone RU / Chain 1 : CH 167

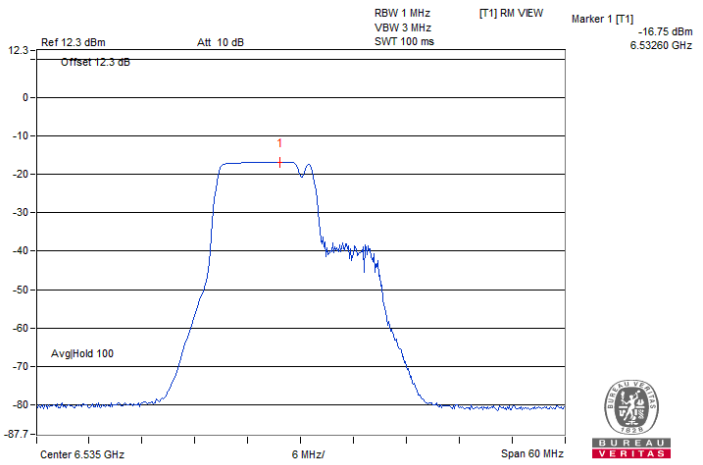


802.11be (EHT160) 2x996-tone RU / Chain 0 : CH 143

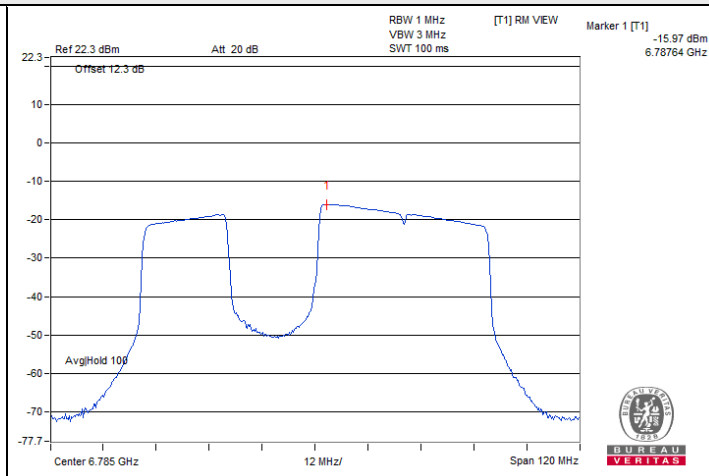


802.11be (EHT20) 52+26-tone MRU / Chain 1 : CH 117

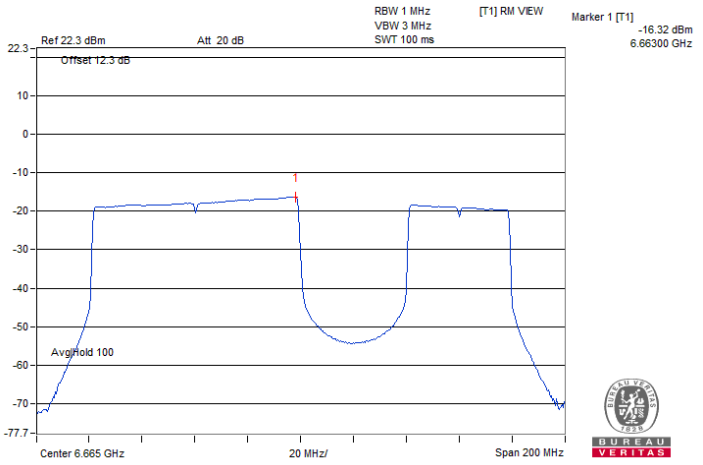
Spectrum Plot of Maximum Value



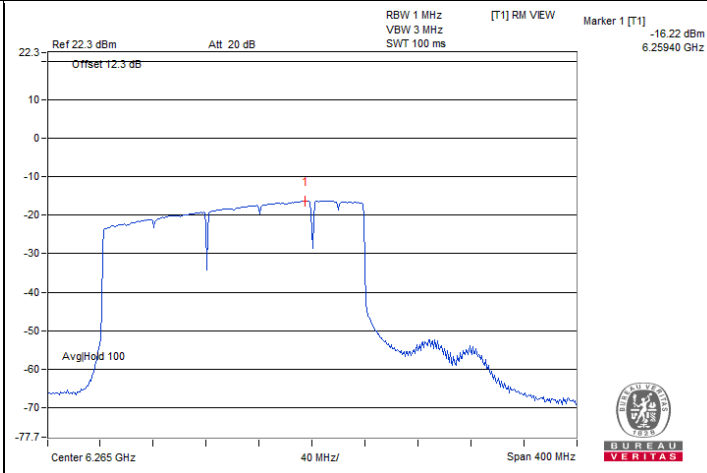
802.11be (EHT20) 106+26-tone MRU / Chain 1 : CH 117



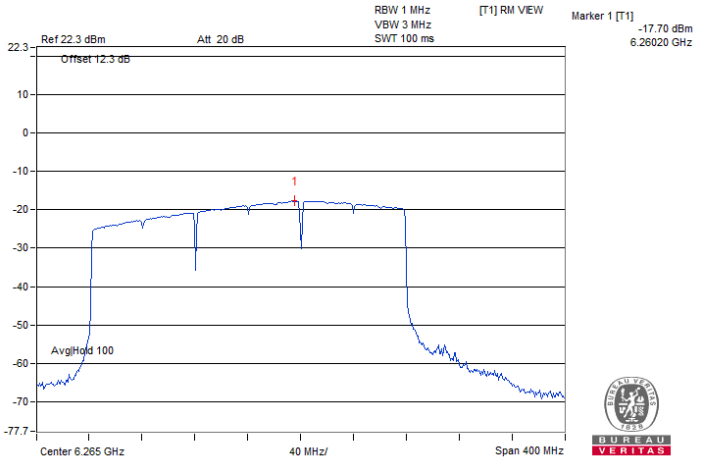
802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 167



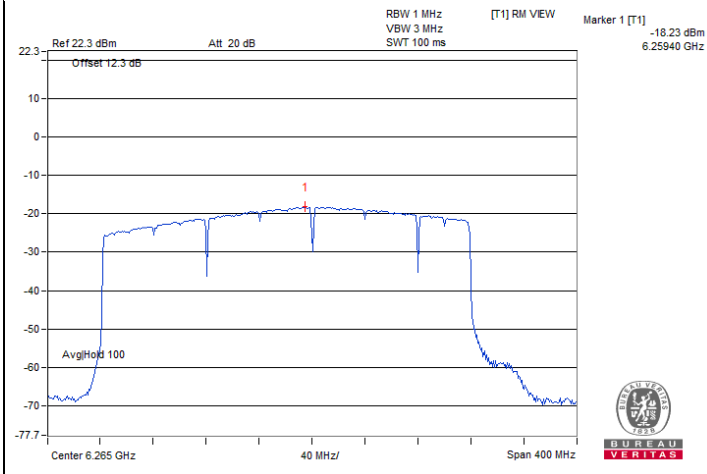
802.11be (EHT160) 996+484-tone MRU / Chain 1 : CH 143



802.11be (EHT320) 2x996+484-tone MRU / Chain 0 : CH 63

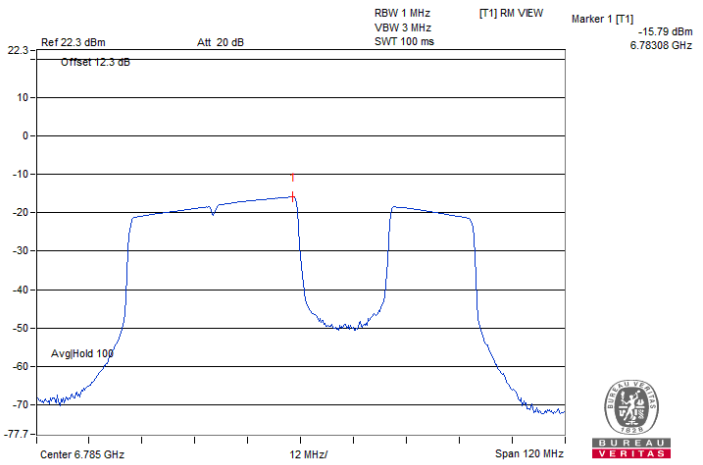


802.11be (EHT320) 3x996-tone MRU / Chain 0 : CH 63

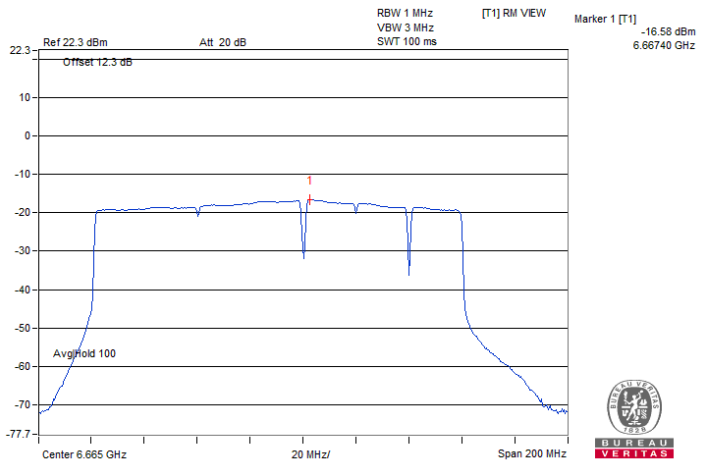


802.11be (EHT320) 3x996+484-tone MRU / Chain 0 : CH 63

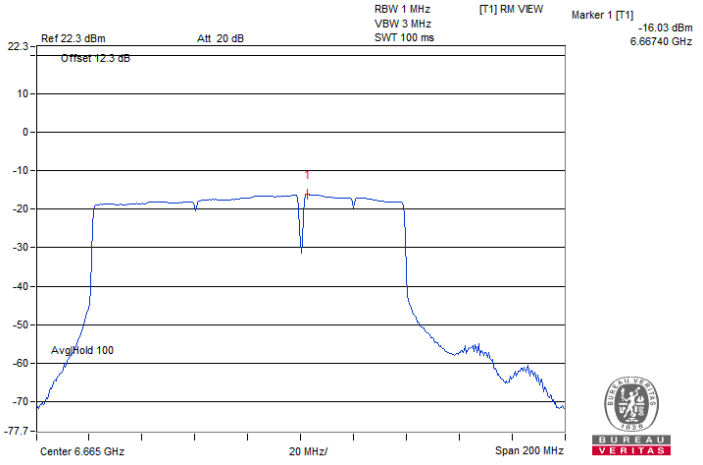
Spectrum Plot of Maximum Value



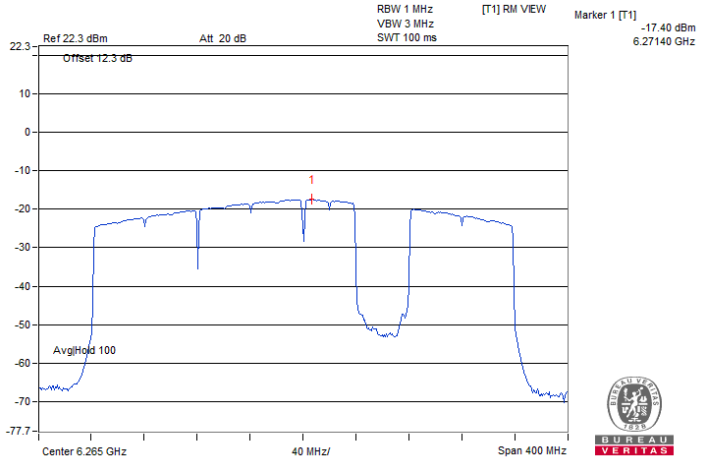
802.11be (EHT80) Punctured by 20 MHz / Chain 1 : CH 167



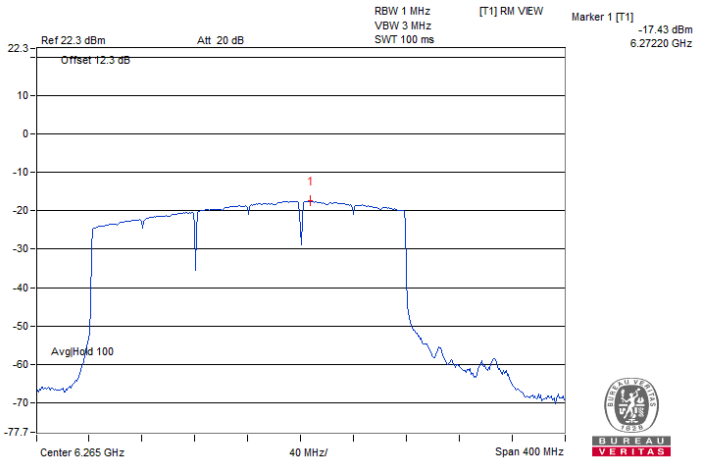
802.11be (EHT160) Punctured by 20 MHz / Chain 1 : CH 143



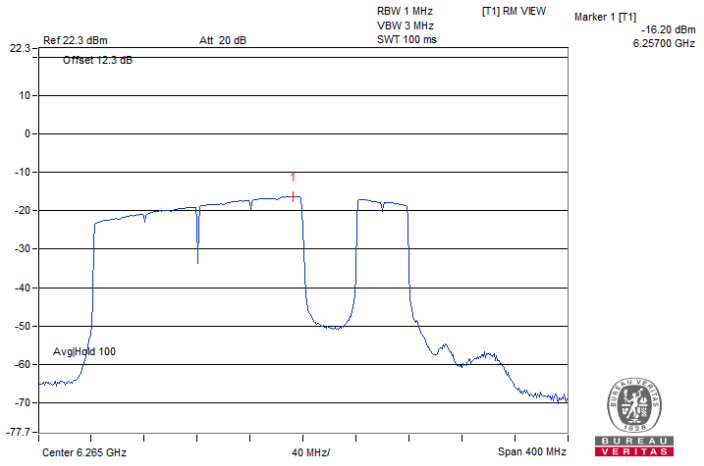
802.11be (EHT160) Punctured by 40 MHz / Chain 1 : CH 143



802.11be (EHT320) Punctured by 40 MHz / Chain 1 : CH 63



802.11be (EHT320) Punctured by 80 MHz / Chain 1 : CH 63



802.11be (EHT320) Punctured by 80+40 MHz / Chain 1 : CH 63

7.3 Emission Bandwidth

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

1TX

802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
2	5935	22.41	320	Pass
1	5955	22.73	320	Pass
45	6175	23.14	320	Pass
93	6415	22.86	320	Pass
117	6535	22.21	320	Pass
149	6695	22.37	320	Pass
181	6855	22.57	320	Pass

802.11be (EHT20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
2	5935	23.07	320	Pass
1	5955	22.66	320	Pass
45	6175	22.54	320	Pass
93	6415	22.52	320	Pass
117	6535	22.5	320	Pass
149	6695	22.06	320	Pass
181	6855	22.81	320	Pass

802.11be (EHT40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
3	5965	43.52	320	Pass
43	6165	45.18	320	Pass
91	6405	44.47	320	Pass
123	6565	43.98	320	Pass
155	6725	43.66	320	Pass
179	6845	42.64	320	Pass

802.11be (EHT80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
7	5985	82.57	320	Pass
39	6145	82.92	320	Pass
87	6385	83.17	320	Pass
135	6625	82.5	320	Pass
151	6705	83.47	320	Pass
167	6785	82.86	320	Pass

802.11be (EHT160)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
15	6025	171.91	320	Pass
47	6185	172.58	320	Pass
79	6345	171.98	320	Pass
143	6665	171.42	320	Pass

802.11be (EHT320)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
31	6105	330.7	320	Note
63	6265	328.4	320	Note

Note: For channels with a nominal bandwidth of 320 MHz, compliance is demonstrated by way of the 99% BW.

802.11be (EHT20) 26-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
2	5935	20.72	320	Pass
1	5955	20.69	320	Pass
45	6175	20.75	320	Pass
93	6415	20.6	320	Pass
117	6535	20.64	320	Pass
149	6695	20.73	320	Pass
181	6855	20.7	320	Pass

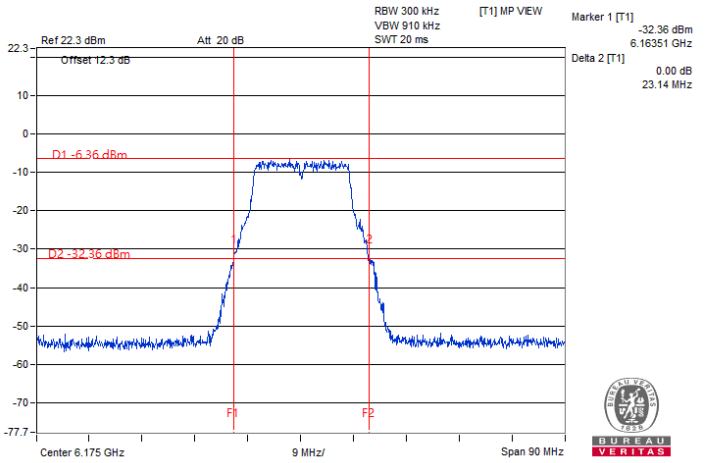
802.11be (EHT20) 52-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
2	5935	21.3	320	Pass
1	5955	21.05	320	Pass
45	6175	21.03	320	Pass
93	6415	20.74	320	Pass
117	6535	21.05	320	Pass
149	6695	21.14	320	Pass
181	6855	20.69	320	Pass

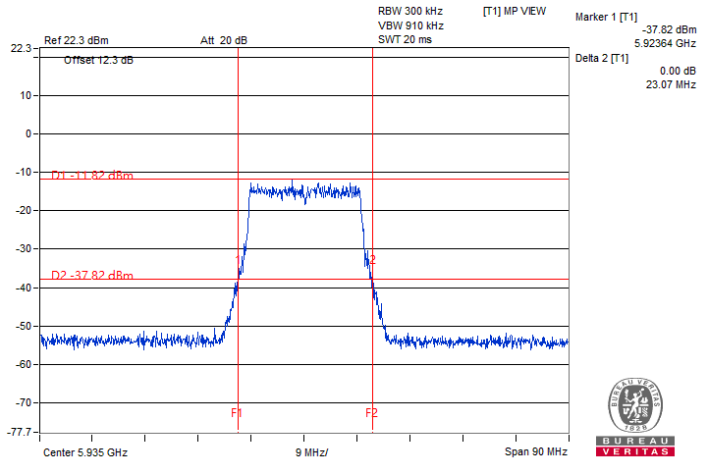
802.11be (EHT20) 106-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Maximum Limit (MHz)	Test Result
2	5935	21.47	320	Pass
1	5955	21.23	320	Pass
45	6175	21.22	320	Pass
93	6415	21.35	320	Pass
117	6535	21.21	320	Pass
149	6695	21.23	320	Pass
181	6855	21.1	320	Pass

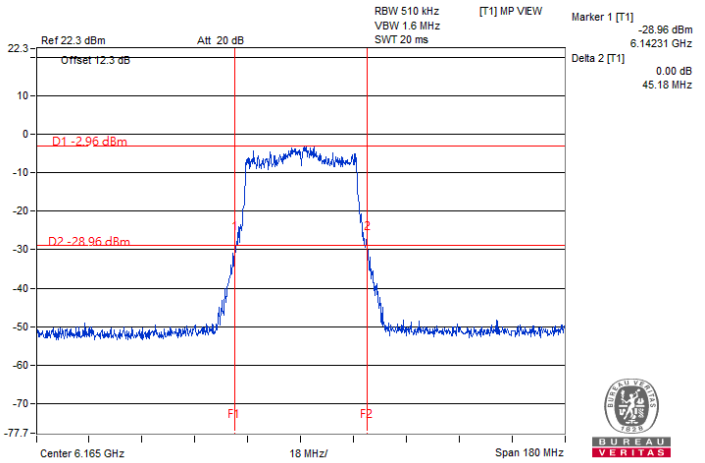
Spectrum Plot of Maximum Value



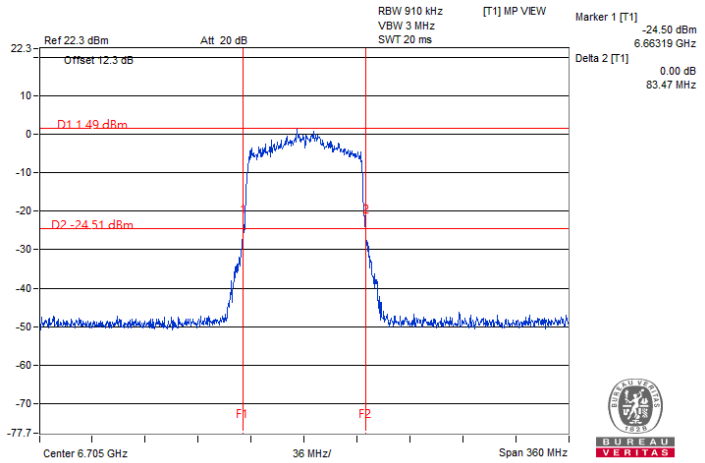
802.11a : CH 45



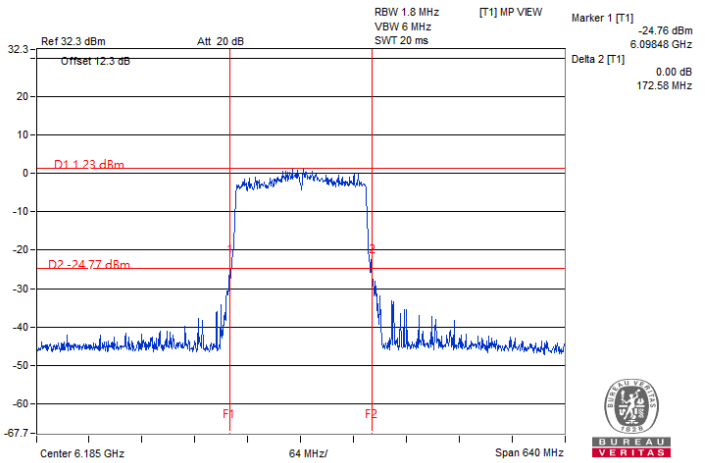
802.11be (EHT20) : CH 2



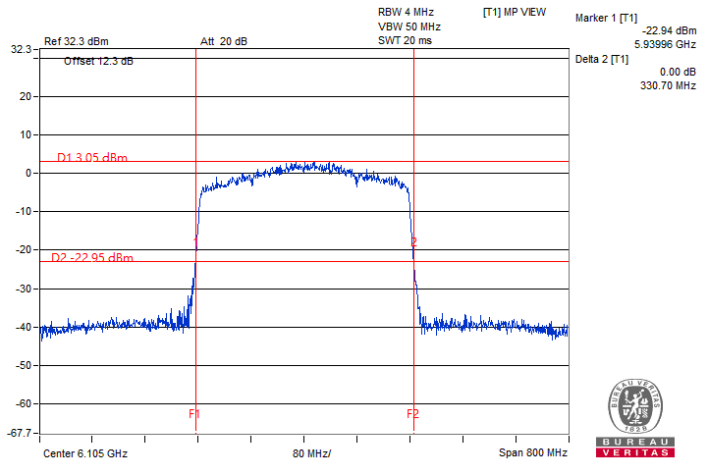
802.11be (EHT40) : CH 43



802.11be (EHT80) : CH 151

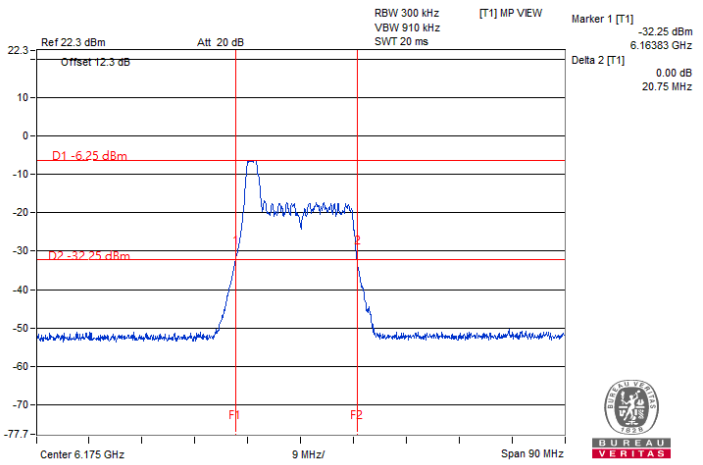


802.11be (EHT160) : CH 47

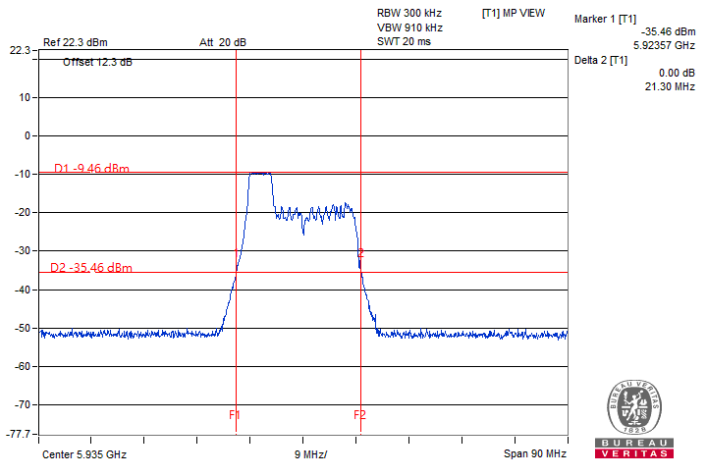


802.11be (EHT320) : CH 31

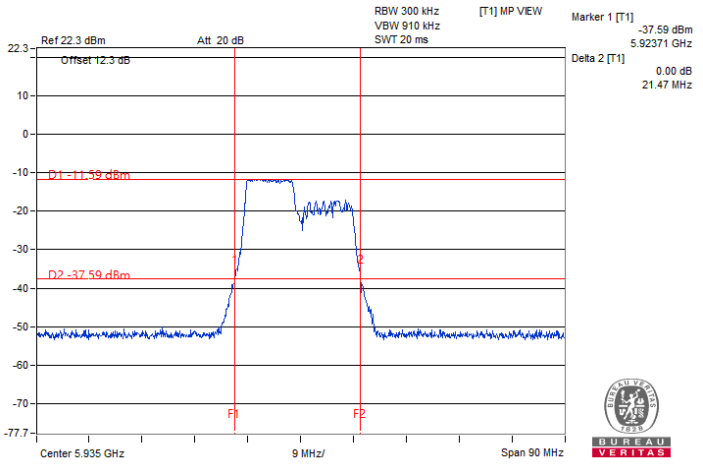
Spectrum Plot of Maximum Value



802.11be (EHT20) 26-tone RU : CH 45



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



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

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

2TX

802.11a

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
2	5935	22.65	22.80	320	Pass
1	5955	22.61	22.76	320	Pass
45	6175	22.59	22.40	320	Pass
93	6415	22.79	22.25	320	Pass
117	6535	22.49	22.63	320	Pass
149	6695	22.62	22.67	320	Pass
181	6855	22.27	22.64	320	Pass

802.11be (EHT20)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
2	5935	23.27	24.19	320	Pass
1	5955	22.69	23.06	320	Pass
45	6175	22.48	23.26	320	Pass
93	6415	22.55	22.25	320	Pass
117	6535	22.90	23.21	320	Pass
149	6695	22.66	22.96	320	Pass
181	6855	22.96	23.09	320	Pass

802.11be (EHT40)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
3	5965	43.11	43.10	320	Pass
43	6165	42.34	43.28	320	Pass
91	6405	42.69	42.33	320	Pass
123	6565	43.43	42.04	320	Pass
155	6725	42.61	42.40	320	Pass
179	6845	42.27	42.60	320	Pass

802.11be (EHT80)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
7	5985	84.00	83.44	320	Pass
39	6145	82.98	82.53	320	Pass
87	6385	83.90	83.10	320	Pass
135	6625	83.52	83.38	320	Pass
151	6705	83.39	83.26	320	Pass
167	6785	81.88	82.61	320	Pass

802.11be (EHT160)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	172.60	170.94	320	Pass
47	6185	171.09	170.16	320	Pass
79	6345	171.01	171.05	320	Pass
143	6665	173.75	168.73	320	Pass

802.11be (EHT320)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
31	6105	329.07	328.67	320	Note
63	6265	328.74	326.87	320	Note

Note: For channels with a nominal bandwidth of 320 MHz, compliance is demonstrated by way of the 99% BW.

802.11be (EHT20) 26-tone RU

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
2	5935	20.76	20.69	320	Pass
1	5955	21.01	20.54	320	Pass
45	6175	20.81	20.53	320	Pass
93	6415	20.54	19.80	320	Pass
117	6535	20.62	20.46	320	Pass
149	6695	20.41	20.58	320	Pass
181	6855	20.53	20.37	320	Pass

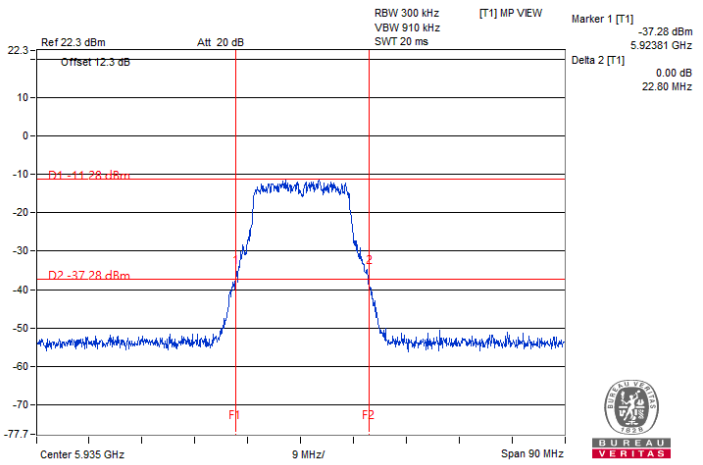
802.11be (EHT20) 52-tone RU

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
2	5935	21.29	20.90	320	Pass
1	5955	21.16	20.88	320	Pass
45	6175	21.06	20.64	320	Pass
93	6415	20.56	20.42	320	Pass
117	6535	20.52	20.91	320	Pass
149	6695	21.21	20.84	320	Pass
181	6855	19.94	20.48	320	Pass

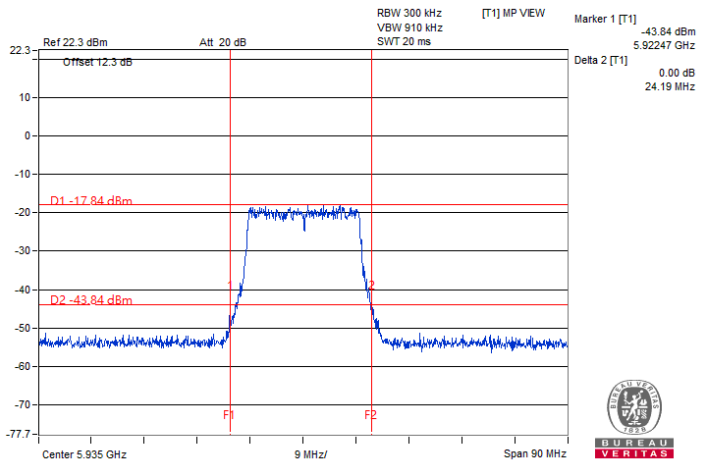
802.11be (EHT20) 106-tone RU

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
2	5935	21.55	21.54	320	Pass
1	5955	21.61	21.51	320	Pass
45	6175	21.30	21.16	320	Pass
93	6415	21.52	21.12	320	Pass
117	6535	21.47	21.33	320	Pass
149	6695	21.58	21.61	320	Pass
181	6855	21.21	20.61	320	Pass

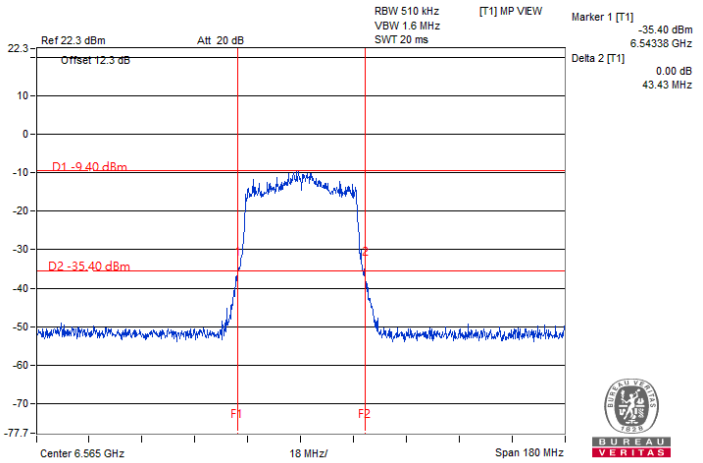
Spectrum Plot of Maximum Value



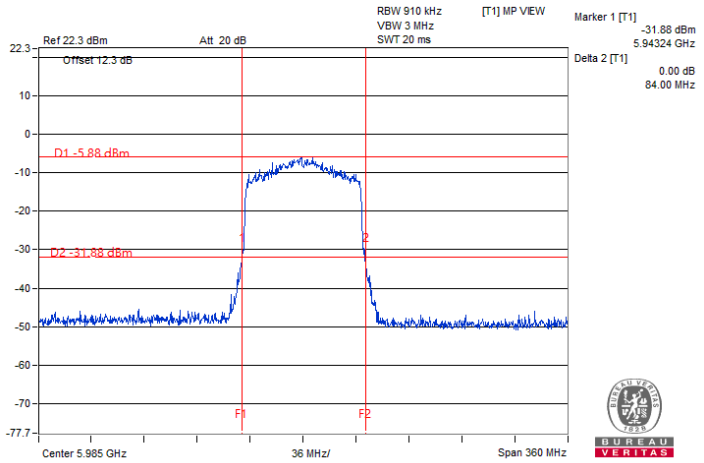
802.11a / Chain 1 : CH 2



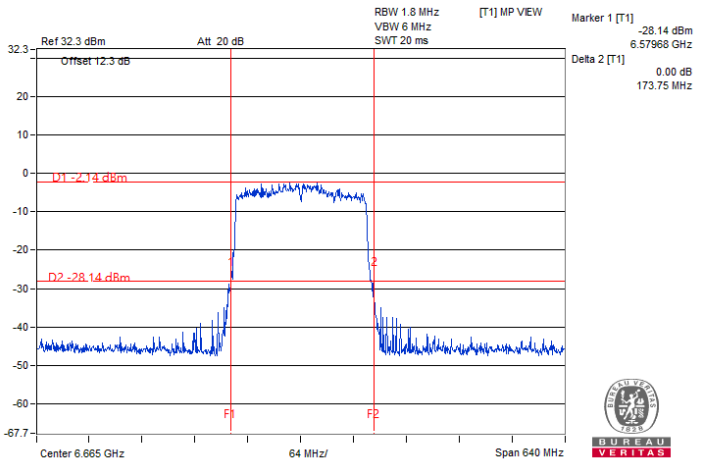
802.11be (EHT20) / Chain 1 : CH 2



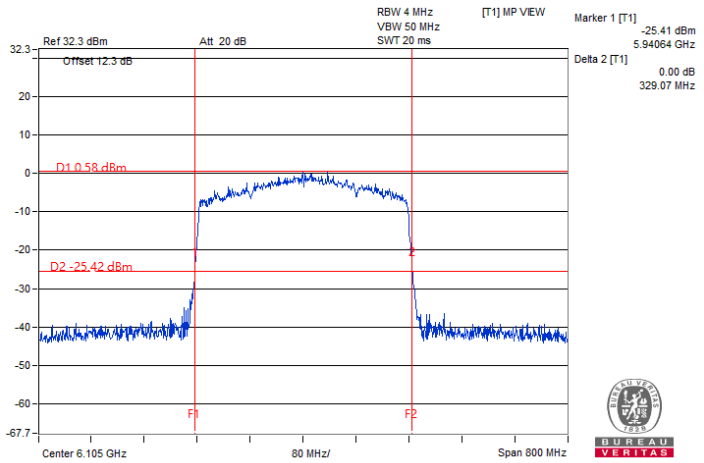
802.11be (EHT40) / Chain 0 : CH 123



802.11be (EHT80) / Chain 0 : CH 7

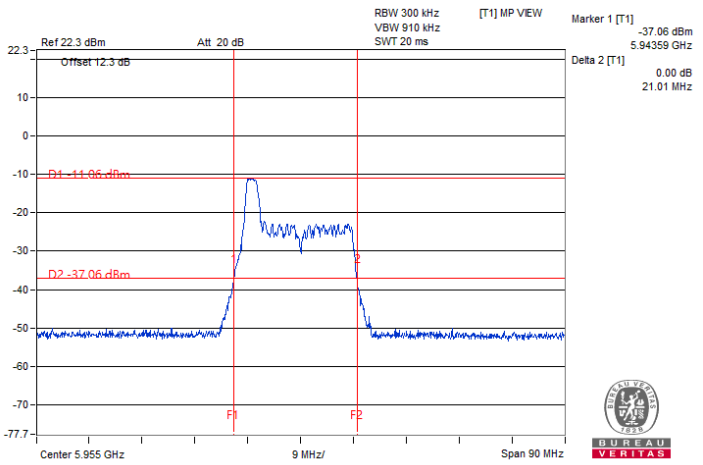


802.11be (EHT160) / Chain 0 : CH 143

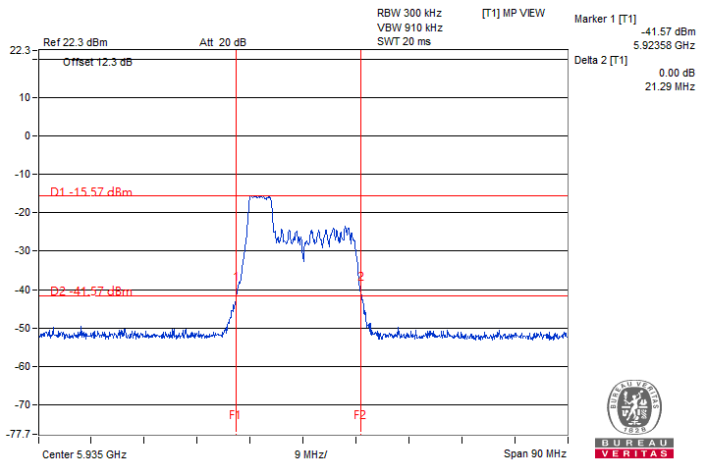


802.11be (EHT320) / Chain 0 : CH 31

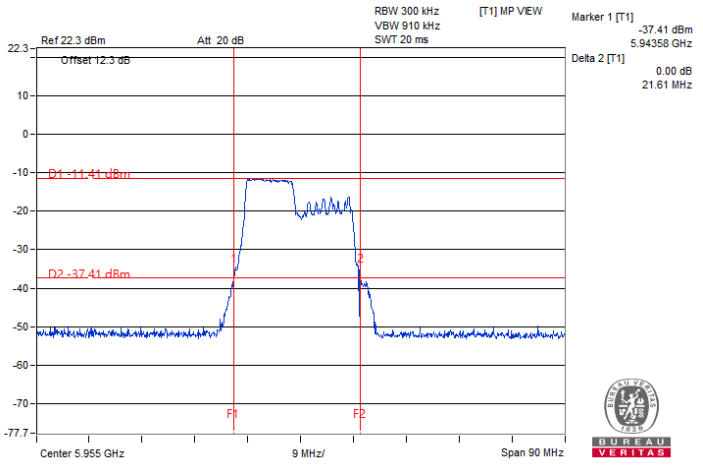
Spectrum Plot of Maximum Value



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



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



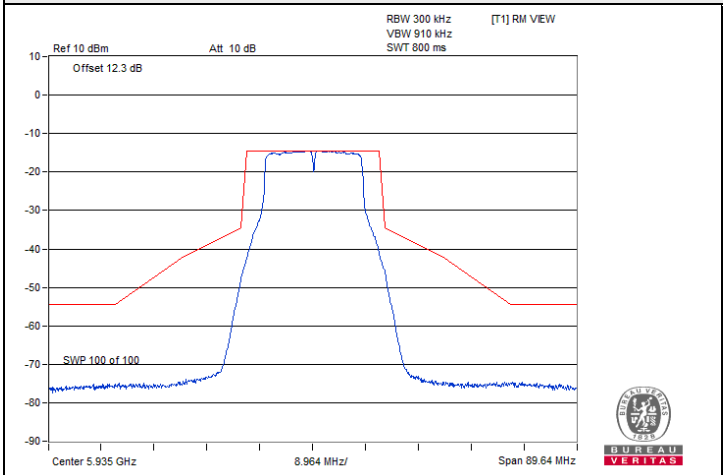
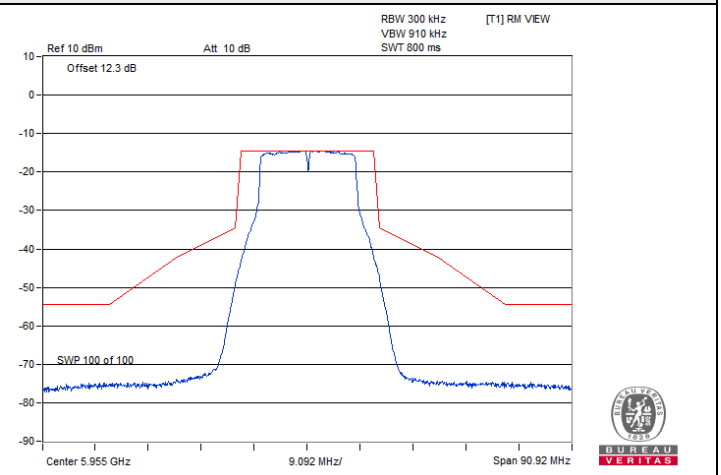
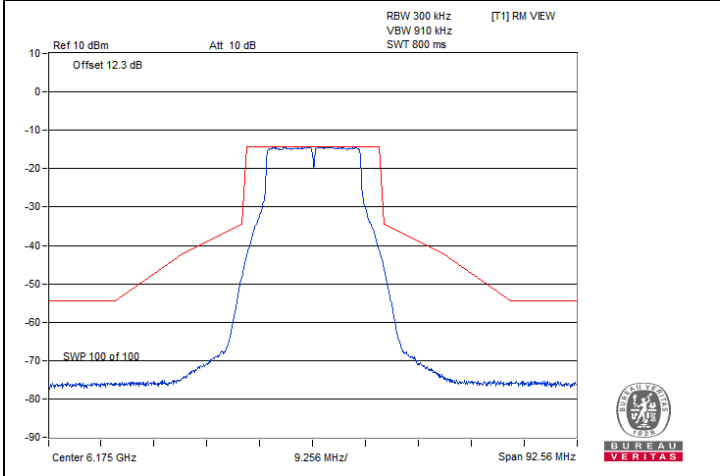
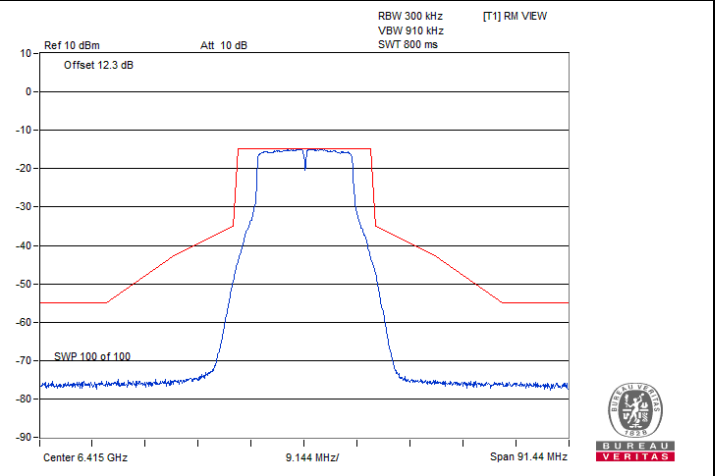
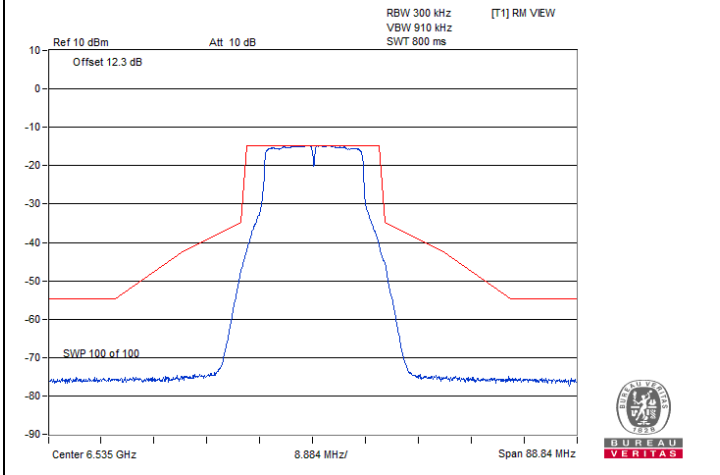
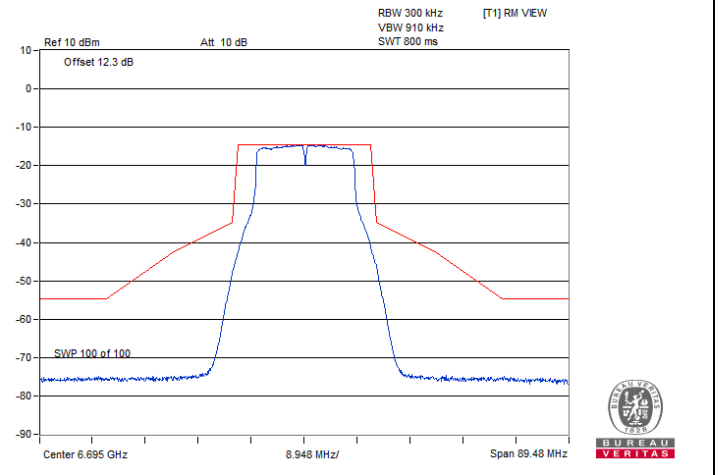
802.11be (EHT20) 106-tone RU / Chain 0 : CH 1

7.4 In-Band Emission Mask

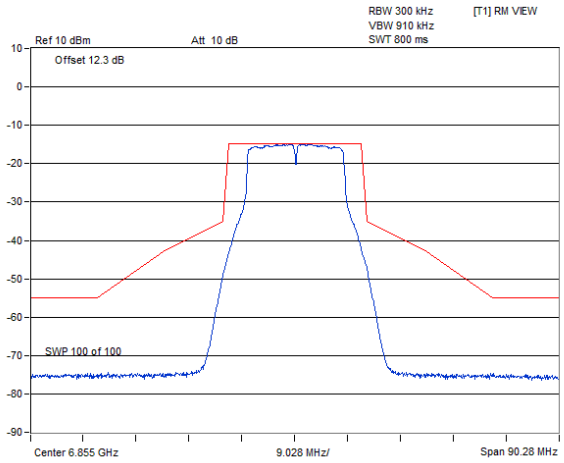
Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Dolly Chung

1TX

802.11a

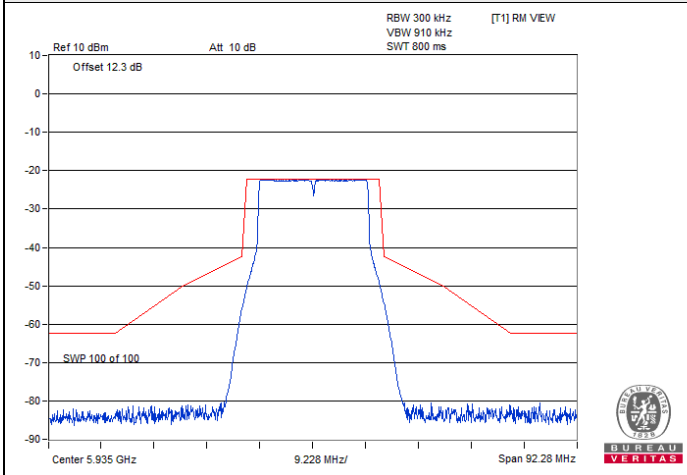
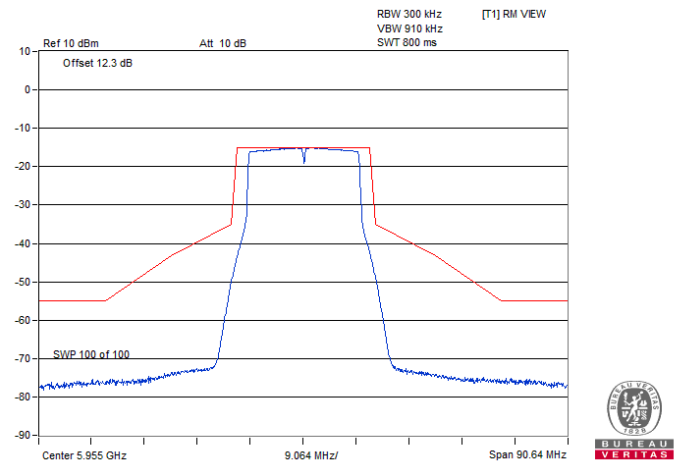
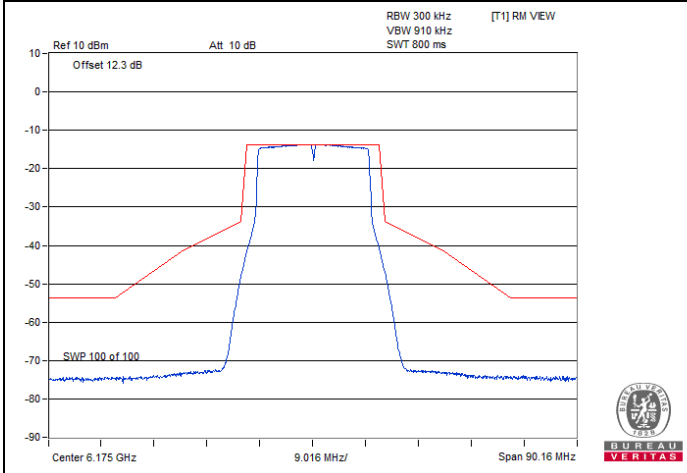
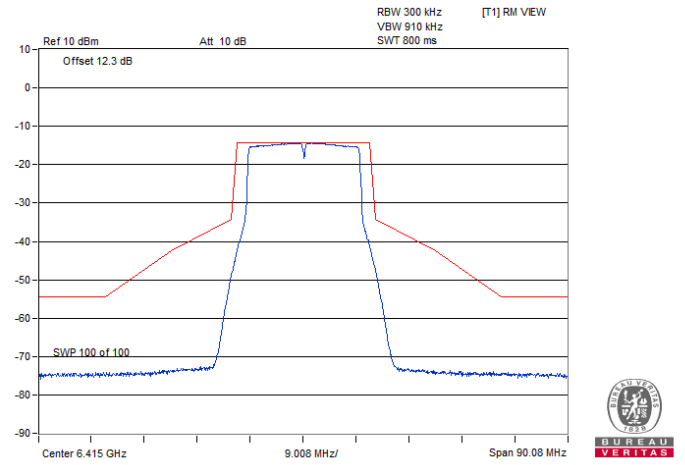
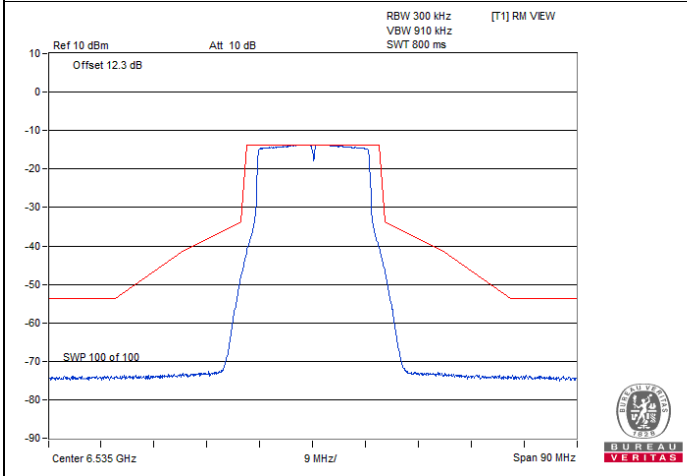
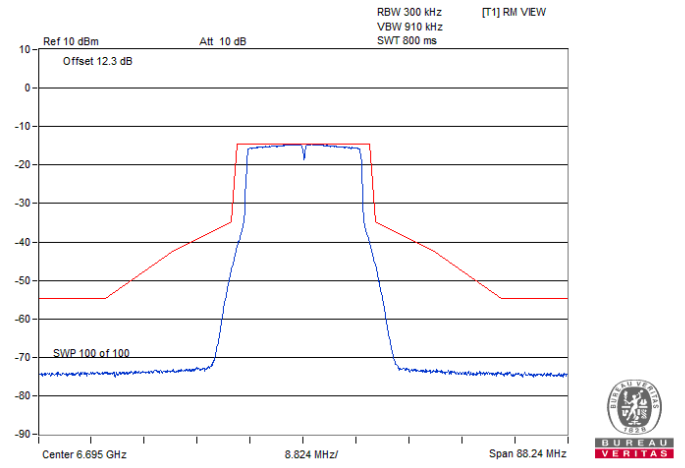
Spectrum Plot	
	
802.11a : CH 2	802.11a : CH 1
	
802.11a : CH 45	802.11a : CH 93
	
802.11a : CH 117	802.11a : CH 149

Spectrum Plot

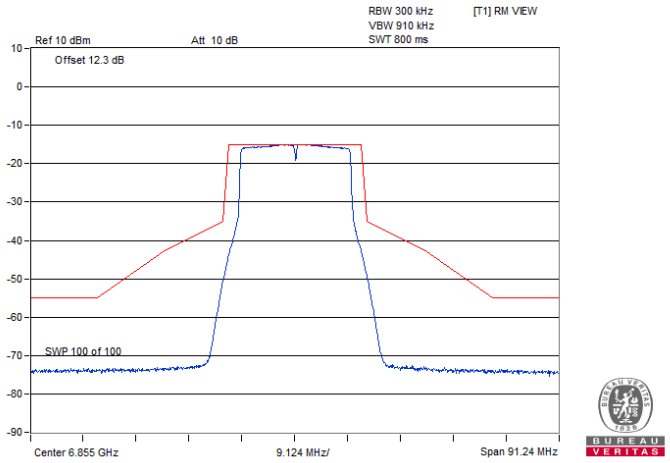


802.11a : CH 181

802.11be (EHT20)

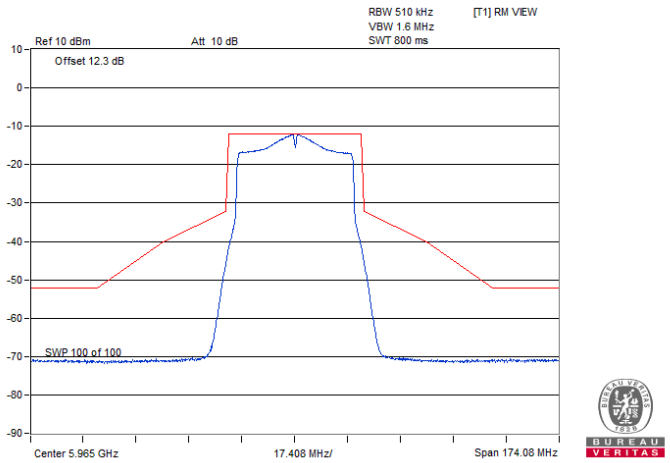
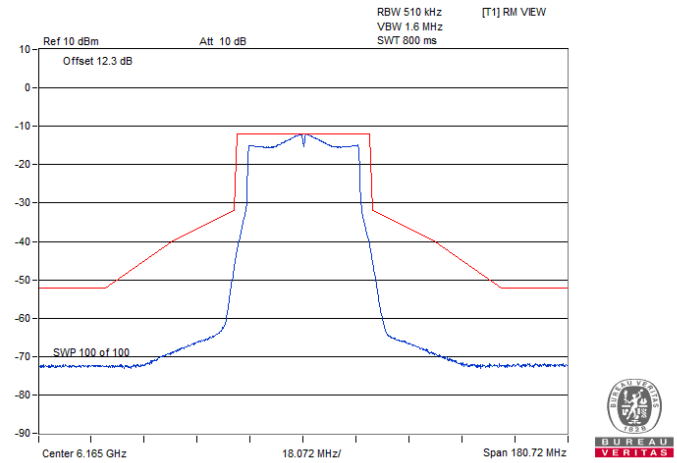
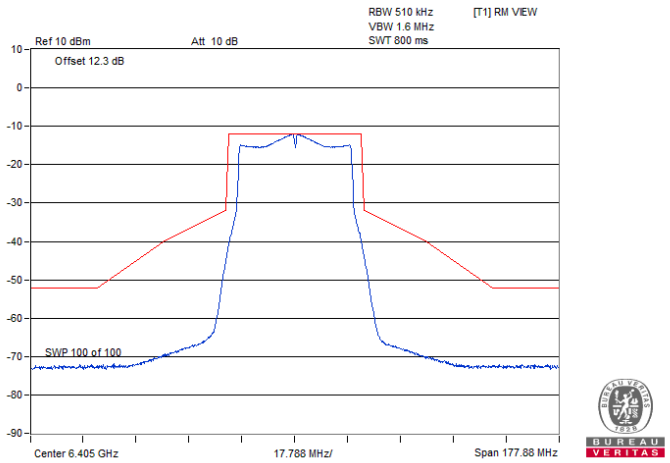
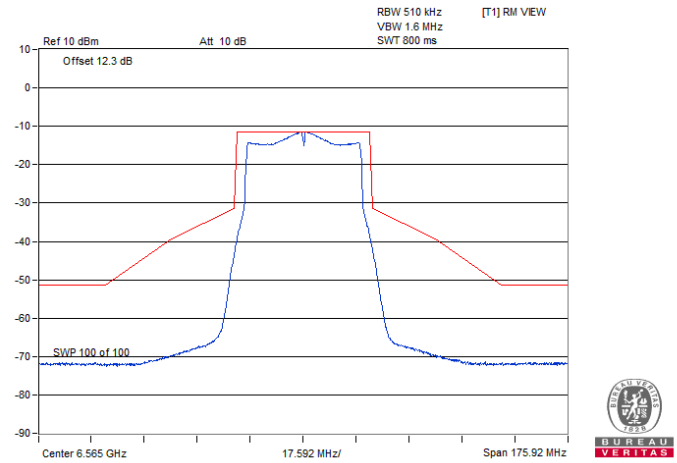
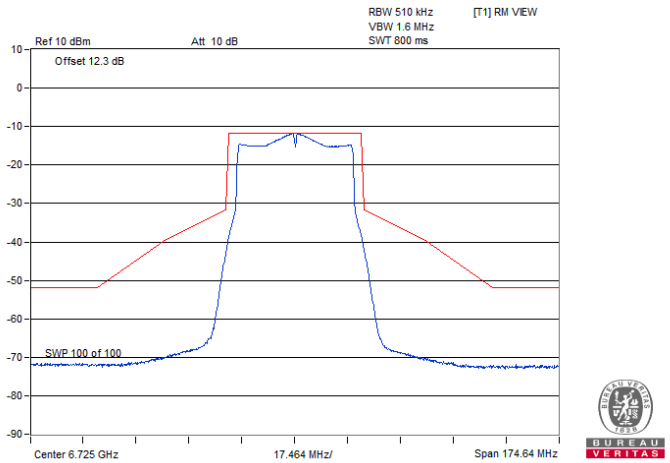
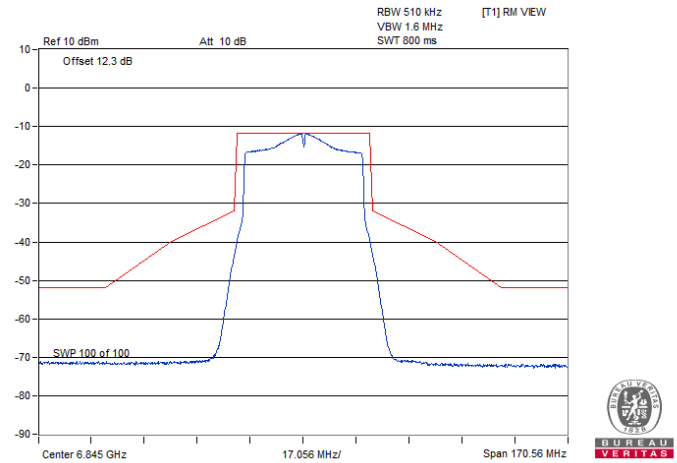
Spectrum Plot	
	
802.11be (EHT20) : CH 2	802.11be (EHT20) : CH 1
	
802.11be (EHT20) : CH 45	802.11be (EHT20) : CH 93
	
802.11be (EHT20) : CH 117	802.11be (EHT20) : CH 149

Spectrum Plot

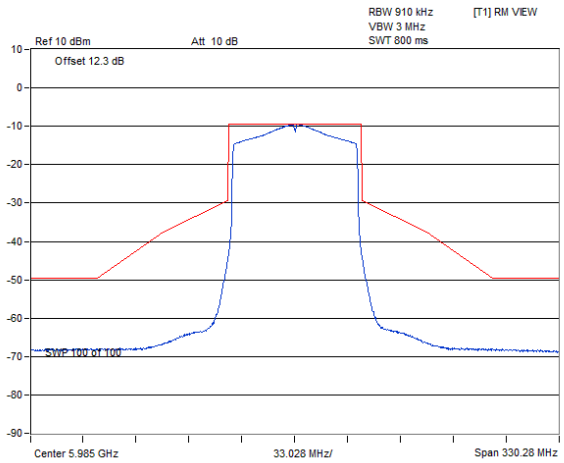
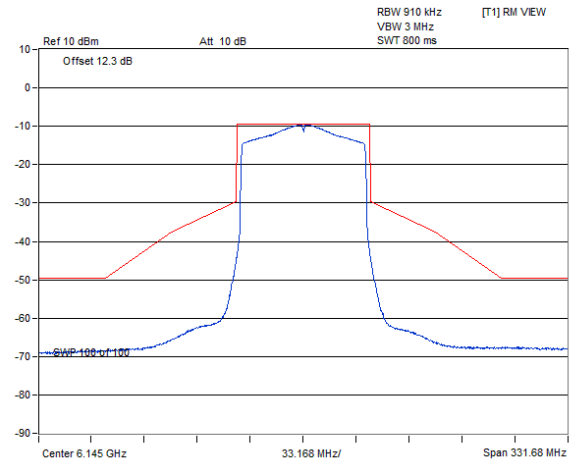
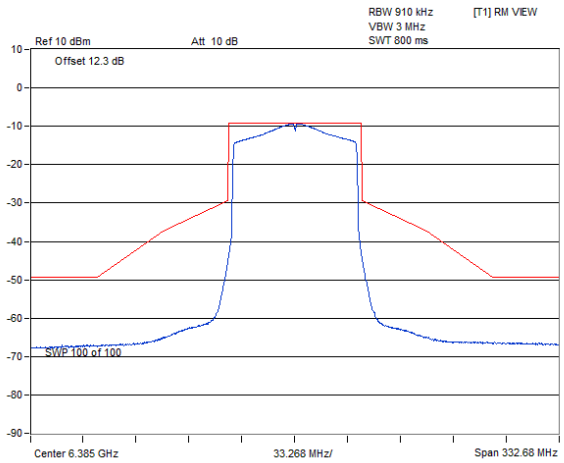
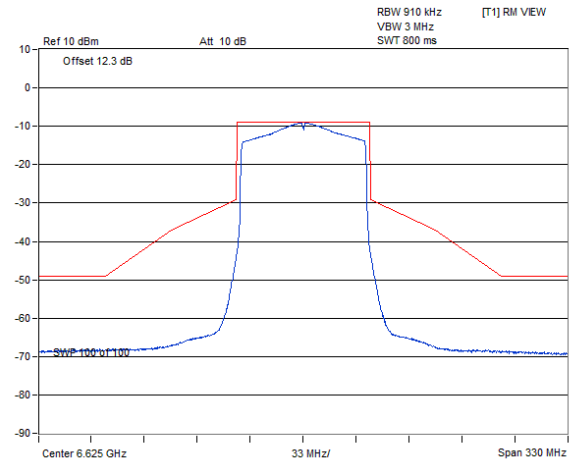
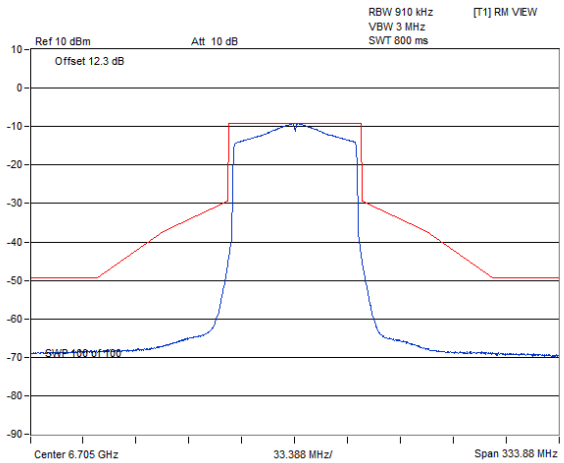
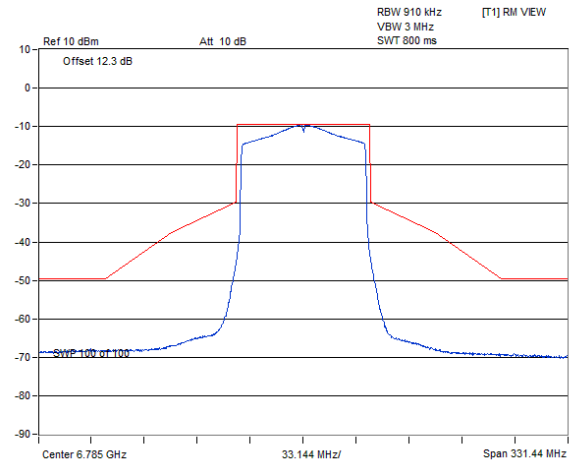


802.11be (EHT20) : CH 181

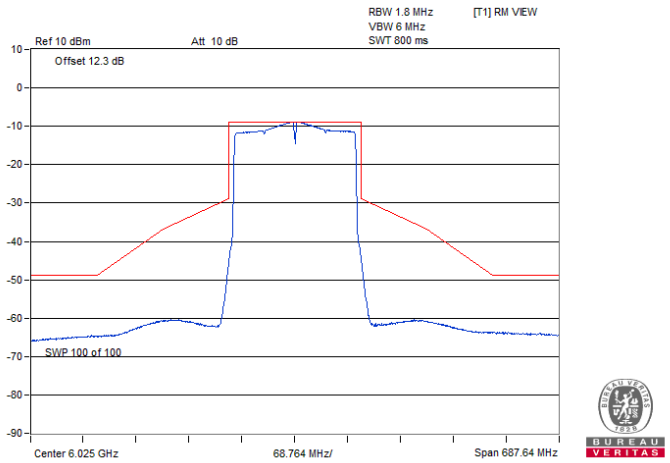
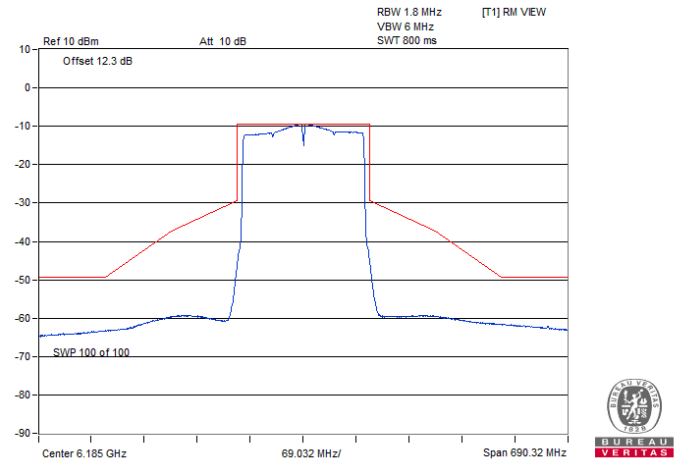
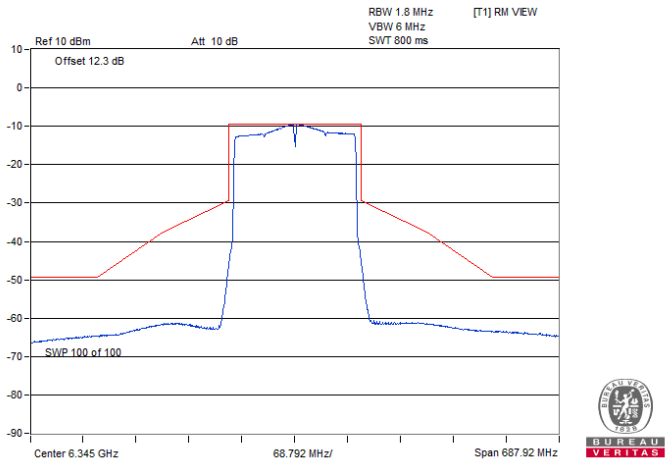
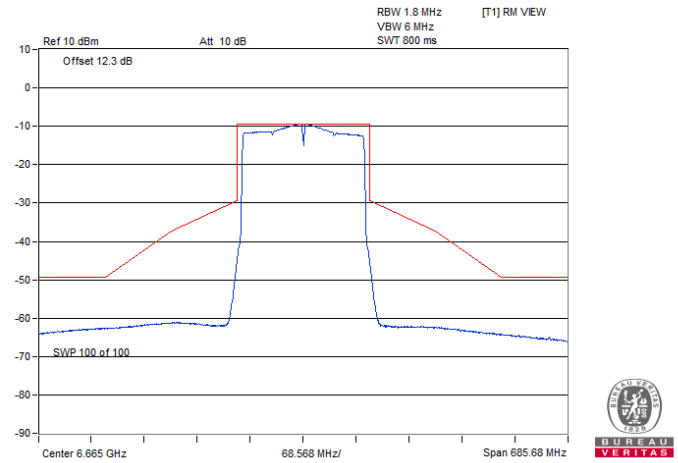
802.11be (EHT40)

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

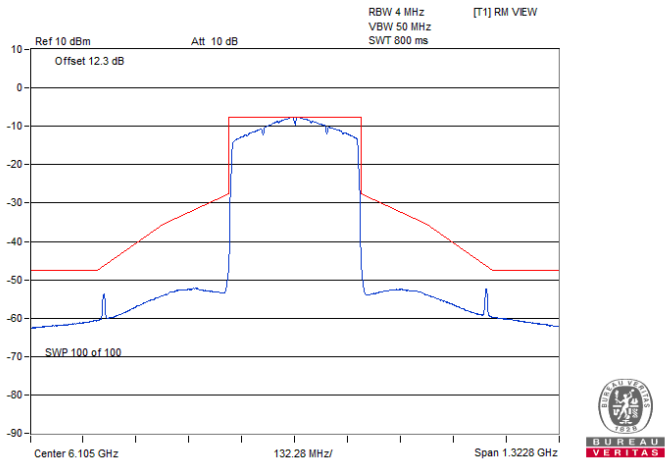
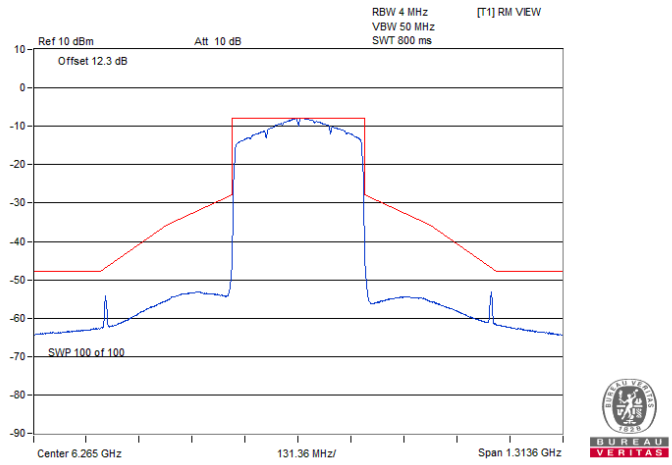
802.11be (EHT80)

Spectrum Plot	
	
802.11be (EHT80) : CH 7	802.11be (EHT80) : CH 39
	
802.11be (EHT80) : CH 87	802.11be (EHT80) : CH 135
	
802.11be (EHT80) : CH 151	802.11be (EHT80) : CH 167

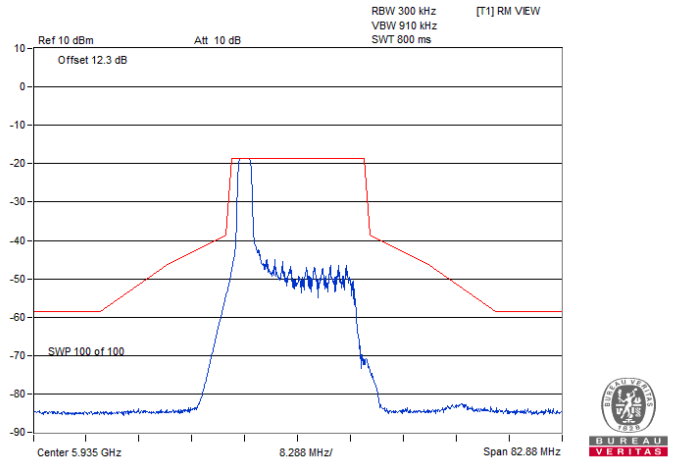
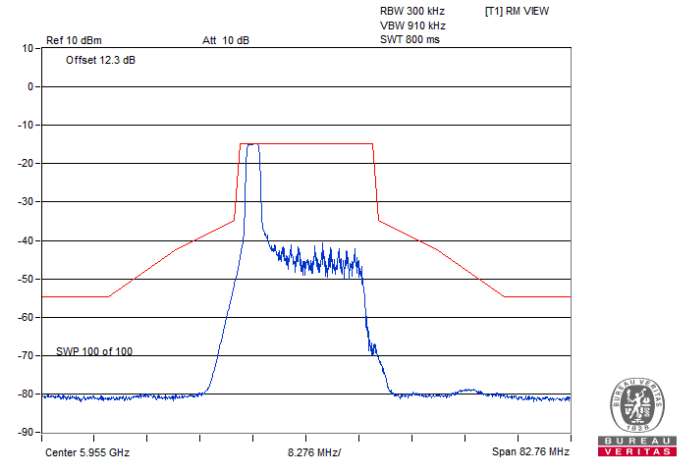
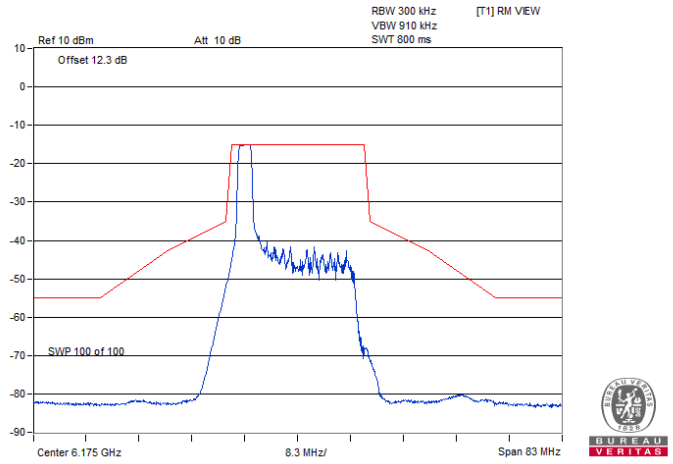
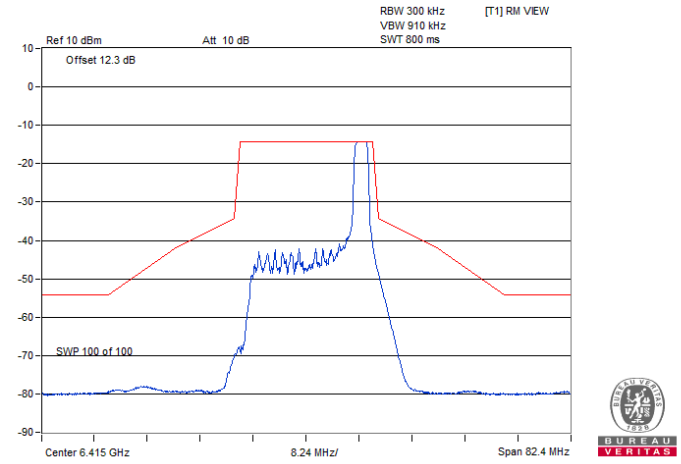
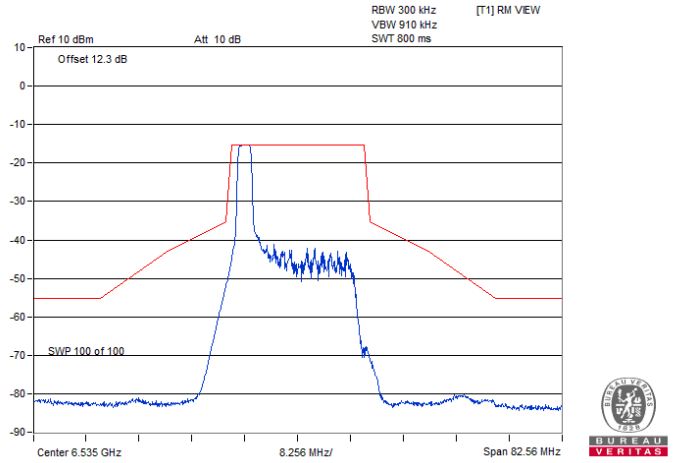
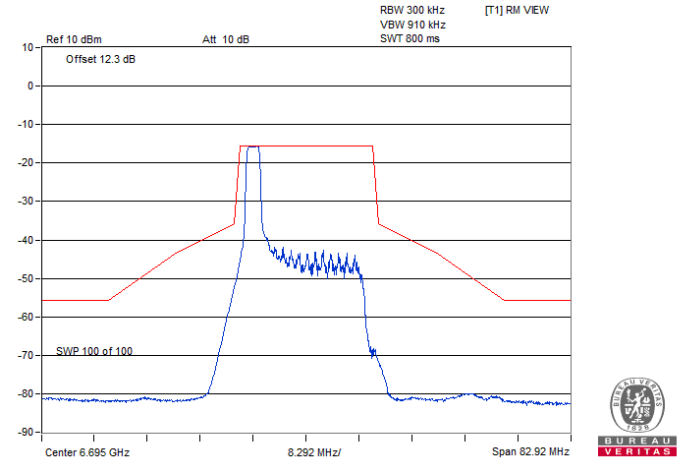
802.11be (EHT160)

Spectrum Plot	
	
802.11be (EHT160) : CH 15	802.11be (EHT160) : CH 47
	
802.11be (EHT160) : CH 79	802.11be (EHT160) : CH 143

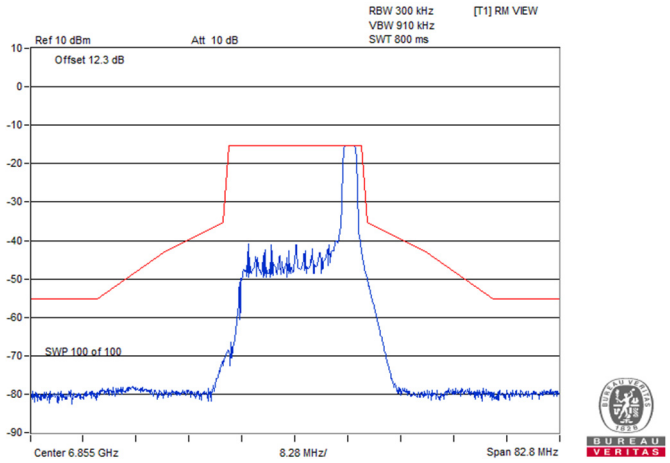
802.11be (EHT320)

Spectrum Plot	
	
802.11be (EHT320) : CH 31	802.11be (EHT320) : CH 63

802.11be (EHT20) 26-tone RU

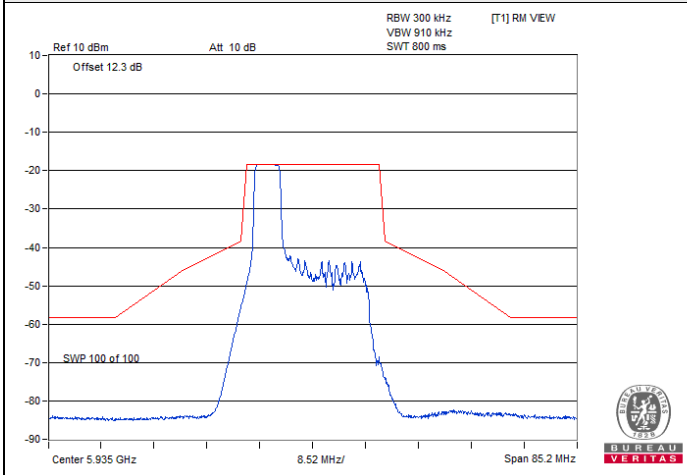
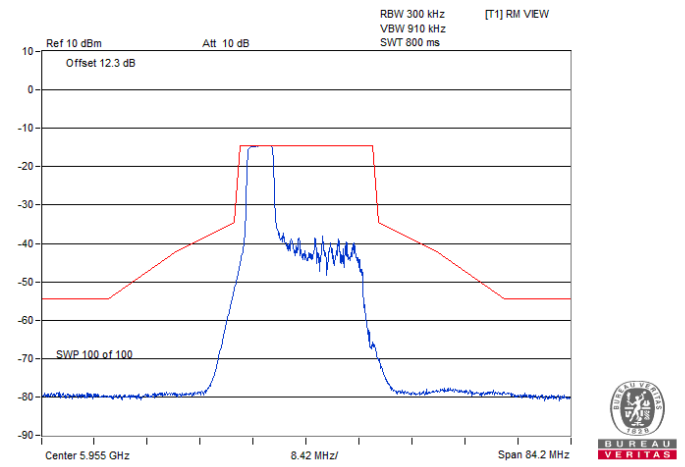
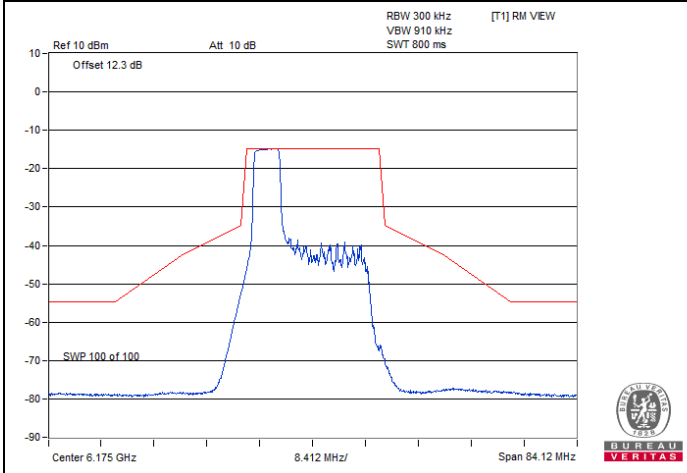
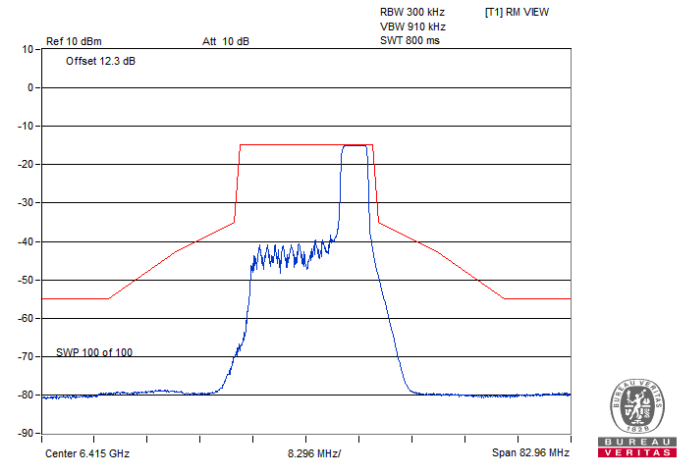
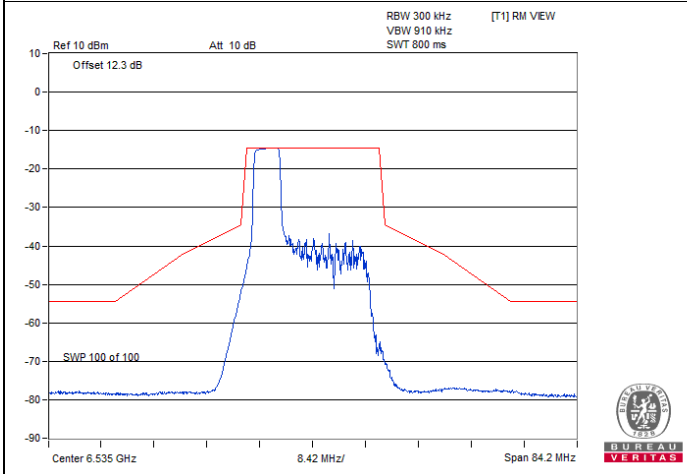
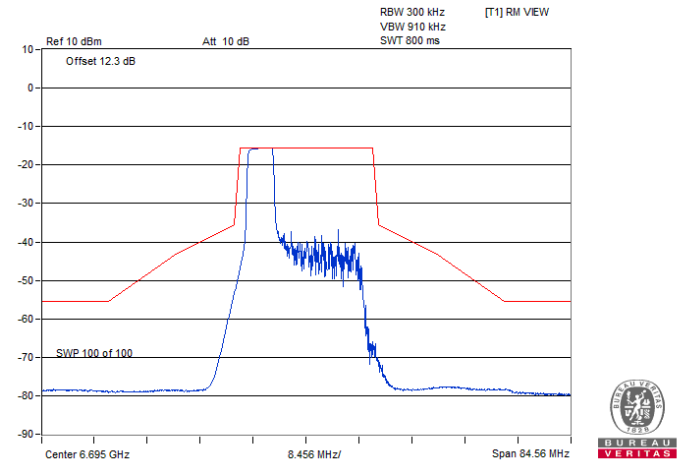
Spectrum Plot	
	
802.11be (EHT20) 26-tone RU : CH 2	802.11be (EHT20) 26-tone RU : CH 1
	
802.11be (EHT20) 26-tone RU : CH 45	802.11be (EHT20) 26-tone RU : CH 93
	
802.11be (EHT20) 26-tone RU : CH 117	802.11be (EHT20) 26-tone RU : CH 149

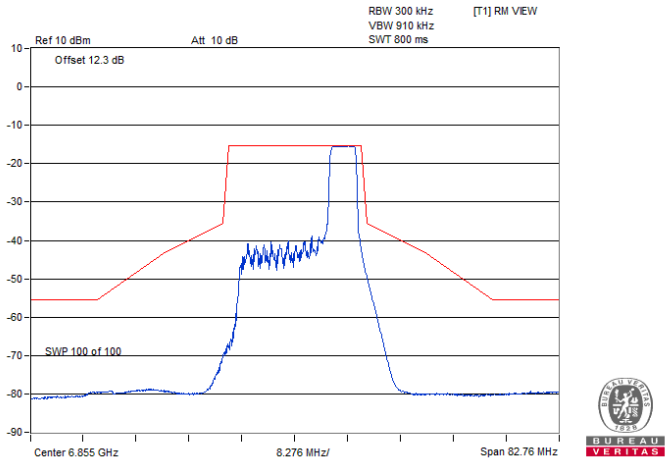
Spectrum Plot



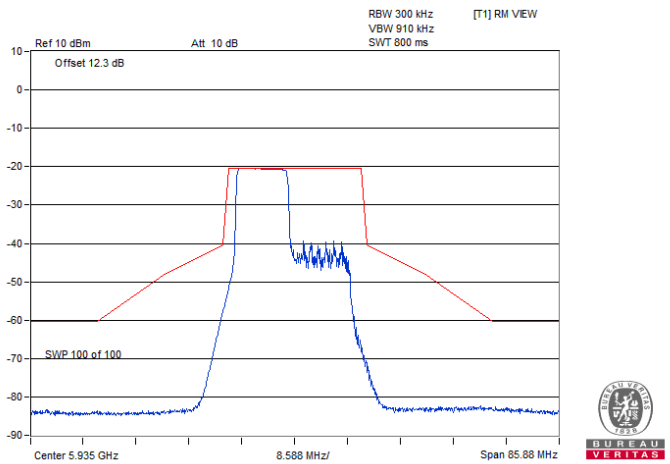
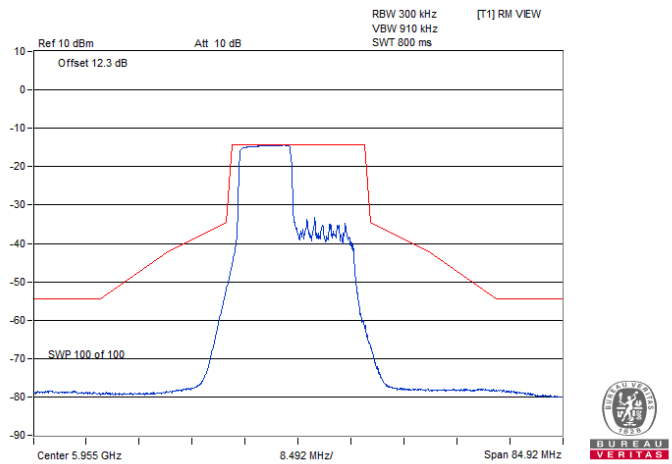
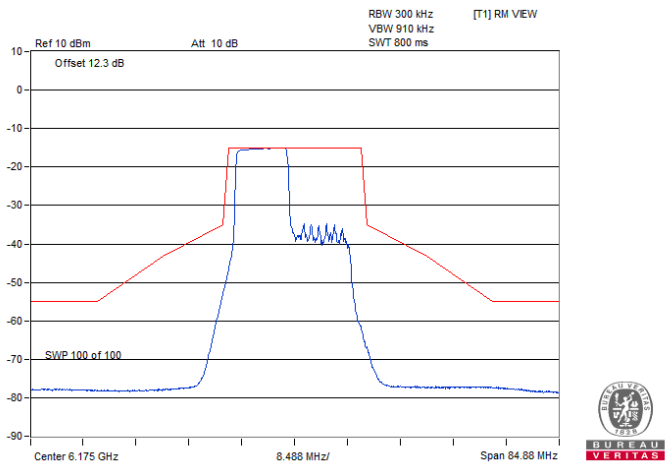
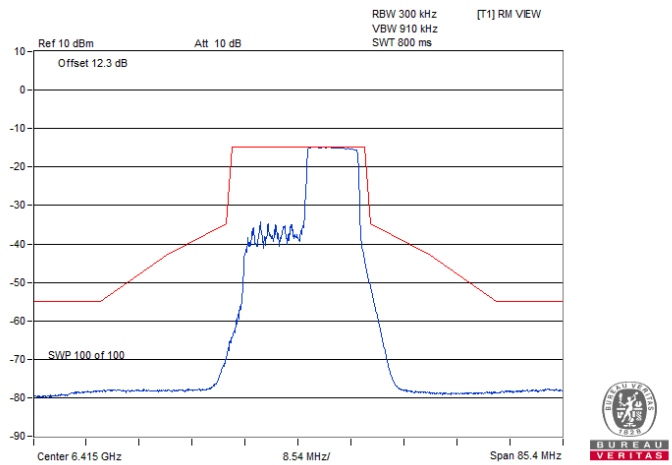
802.11be (EHT20) 26-tone RU : CH 181

802.11be (EHT20) 52-tone RU

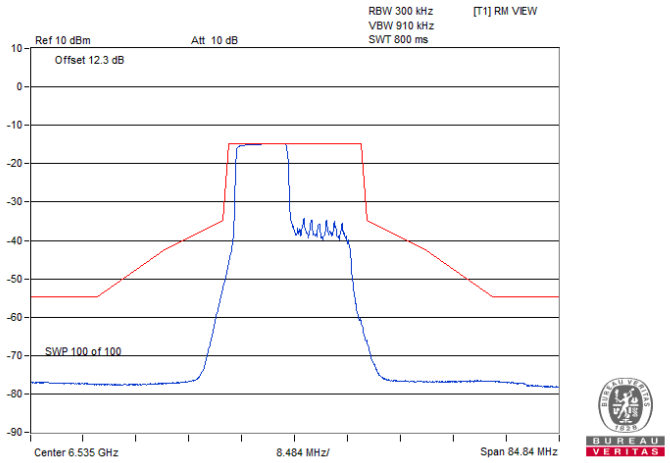
Spectrum Plot	
	
802.11be (EHT20) 52-tone RU : CH 2	802.11be (EHT20) 52-tone RU : CH 1
	
802.11be (EHT20) 52-tone RU : CH 45	802.11be (EHT20) 52-tone RU : CH 93
	
802.11be (EHT20) 52-tone RU : CH 117	802.11be (EHT20) 52-tone RU : CH 149

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

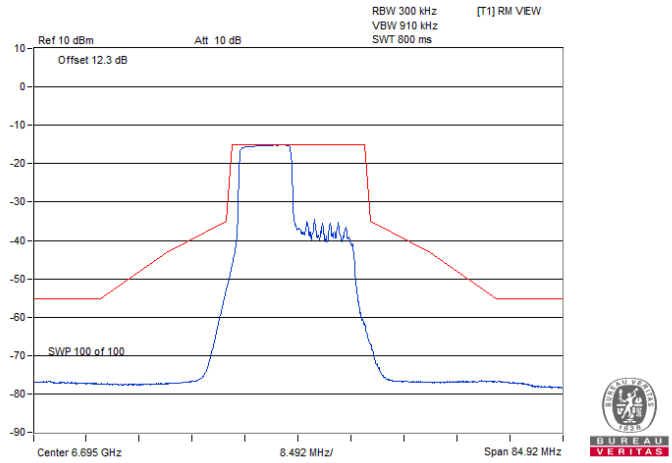
802.11be (EHT20) 106-tone RU

Spectrum Plot	
	
802.11be (EHT20) 106-tone RU : CH 2	802.11be (EHT20) 106-tone RU : CH 1
	
802.11be (EHT20) 106-tone RU : CH 45	802.11be (EHT20) 106-tone RU : CH 93

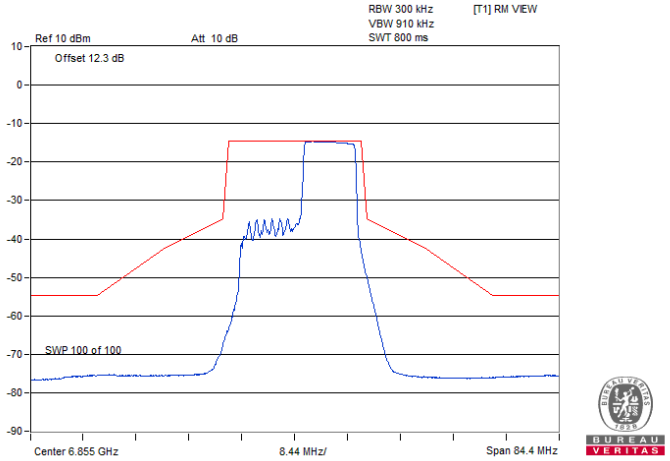
Spectrum Plot



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

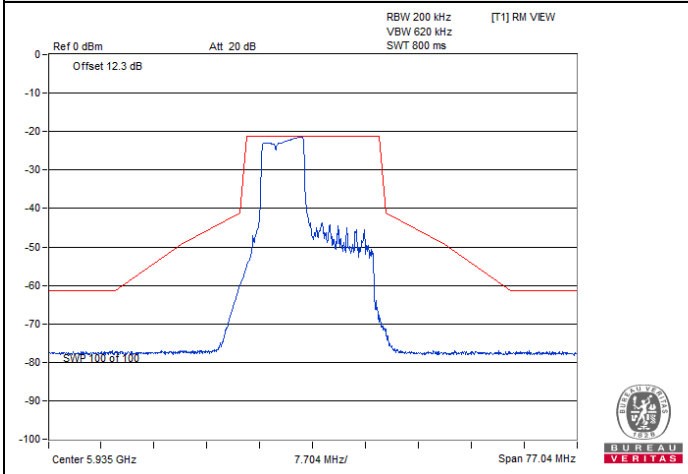
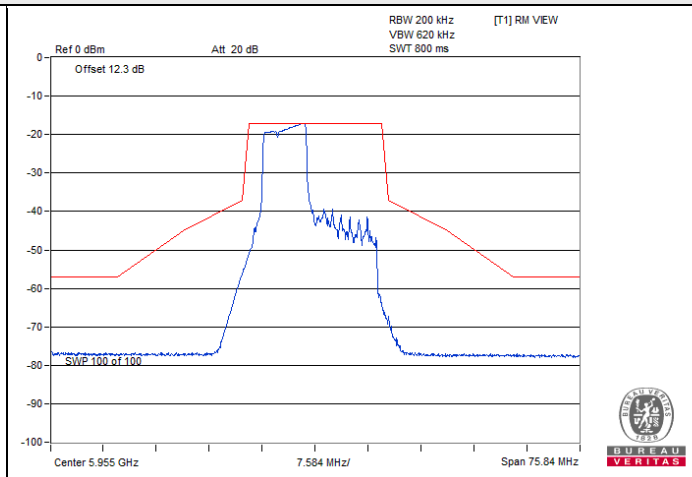
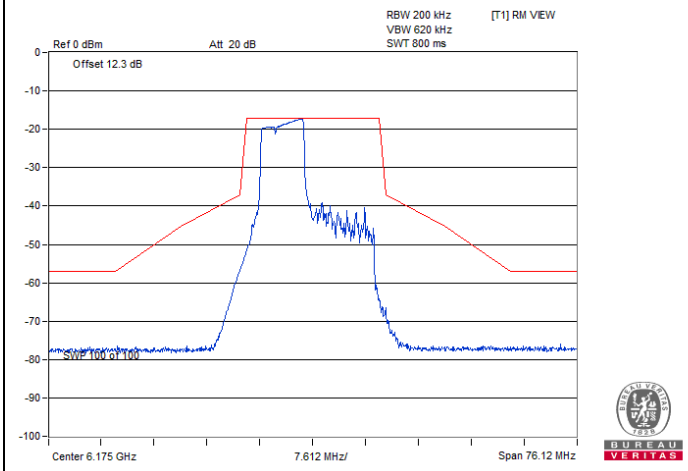
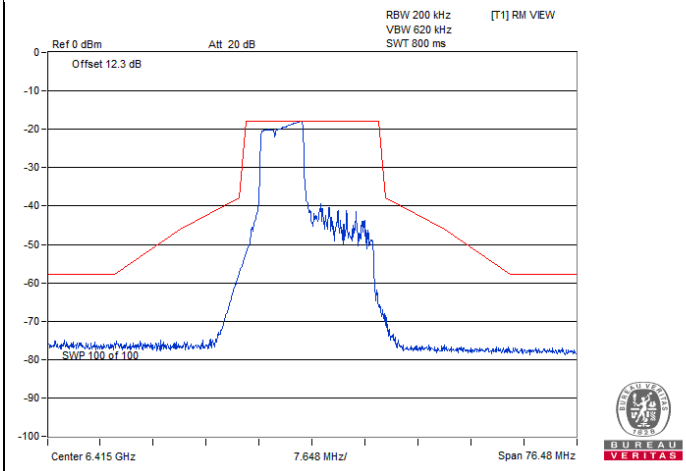
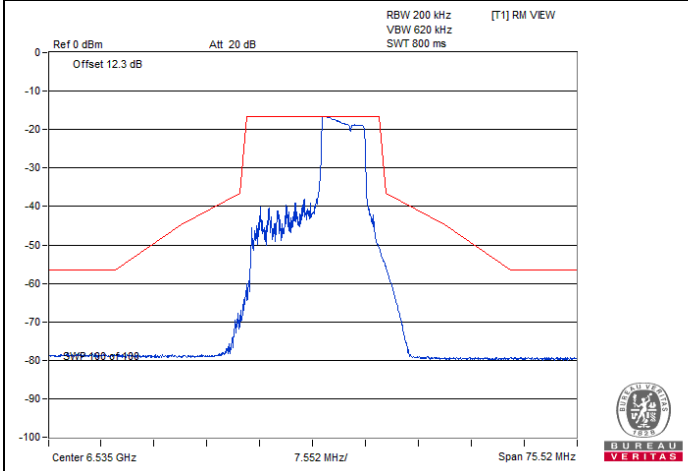
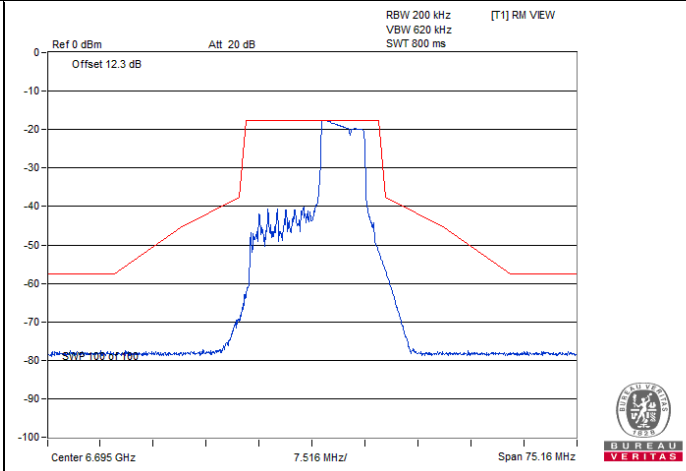


802.11be (EHT20) 106-tone RU : CH 149

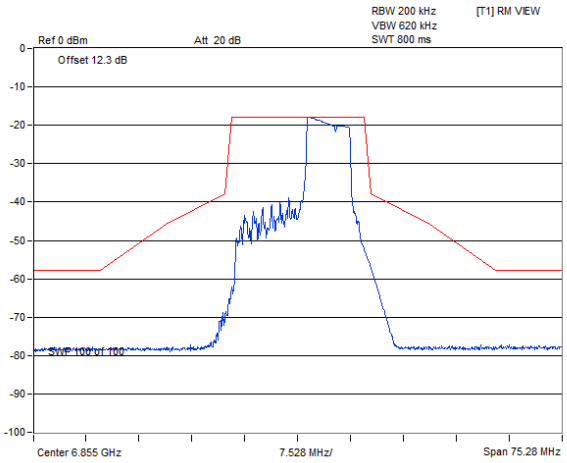


802.11be (EHT20) 106-tone RU : CH 181

802.11be (EHT20) 52+26-tone MRU

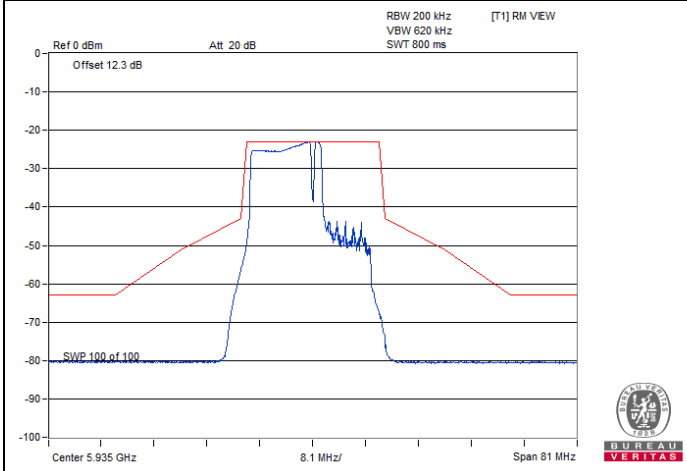
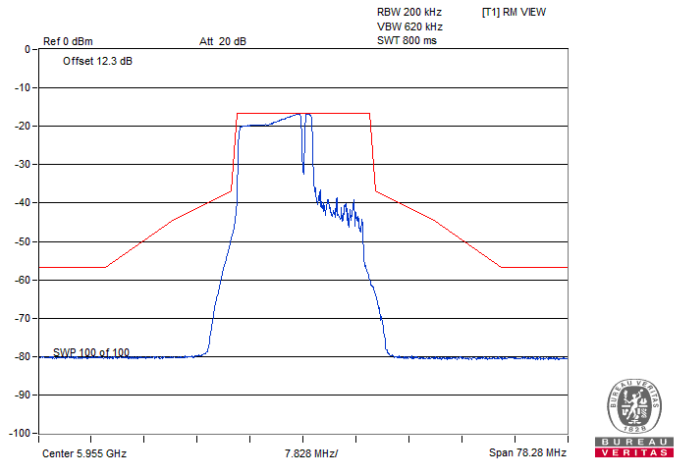
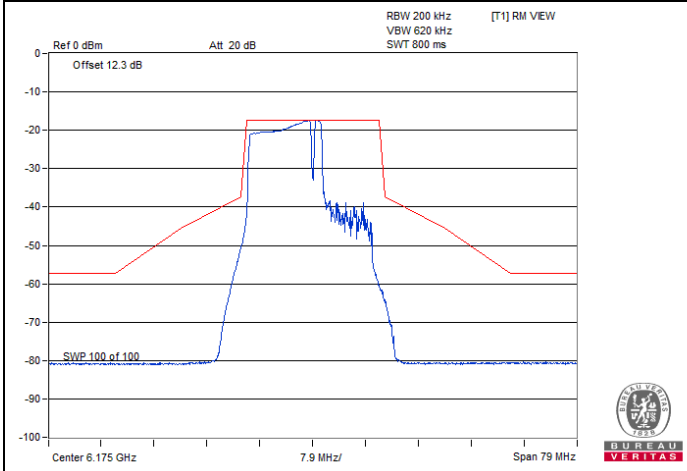
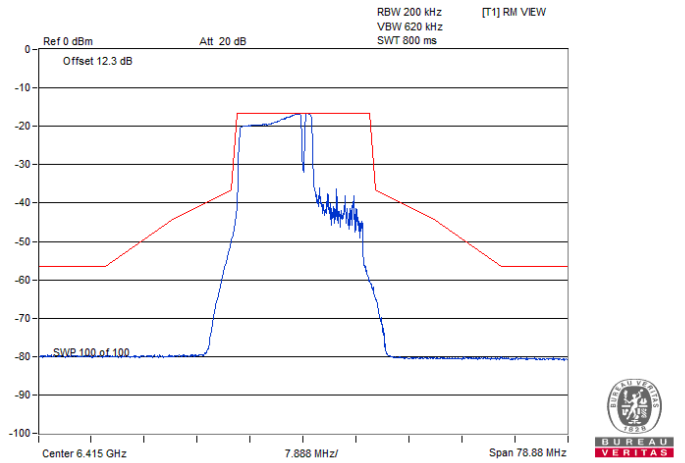
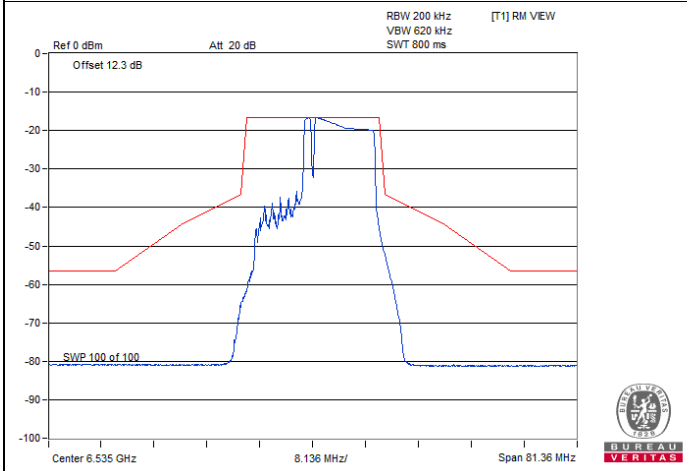
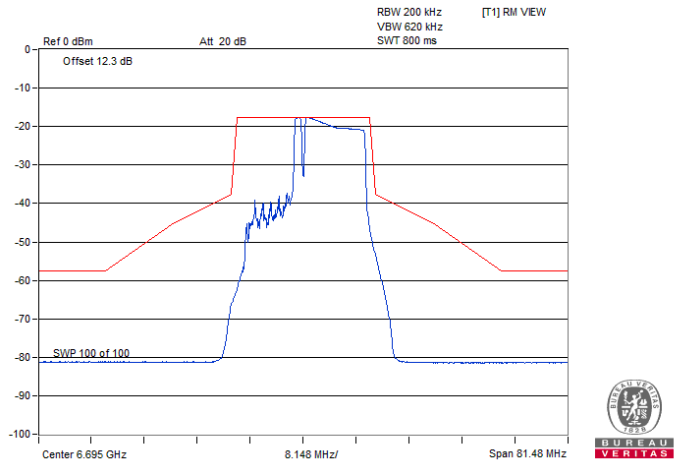
Spectrum Plot	
	
802.11be (EHT20) 52+26-tone MRU : CH 2	802.11be (EHT20) 52+26-tone MRU : CH 1
	
802.11be (EHT20) 52+26-tone MRU : CH 45	802.11be (EHT20) 52+26-tone MRU : CH 93
	
802.11be (EHT20) 52+26-tone MRU : CH 117	802.11be (EHT20) 52+26-tone MRU : CH 149

Spectrum Plot

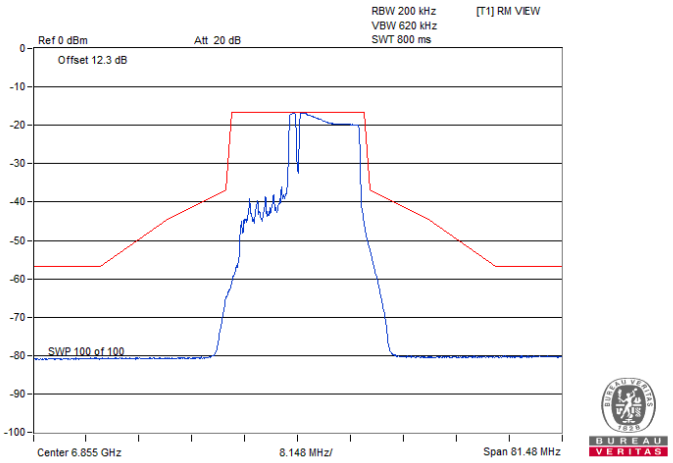


802.11be (EHT20) 52+26-tone MRU : CH 181

802.11be (EHT20) 106+26-tone MRU

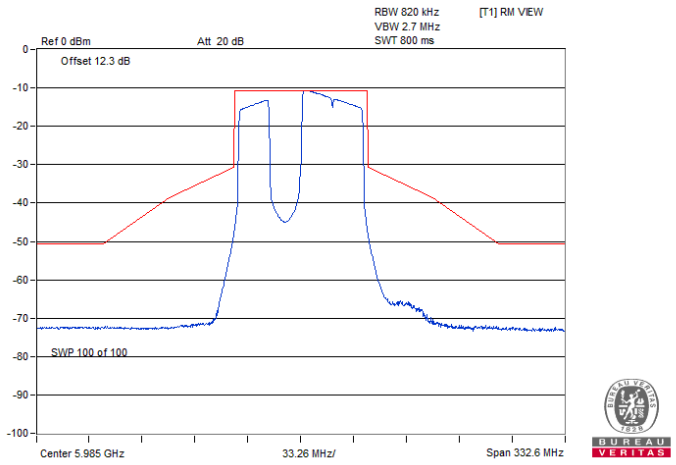
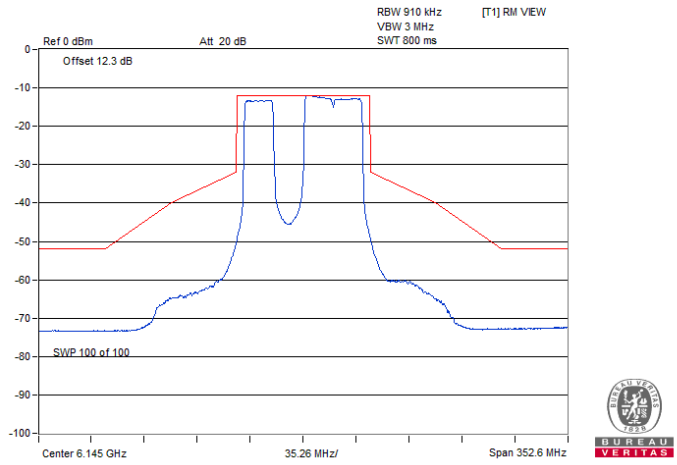
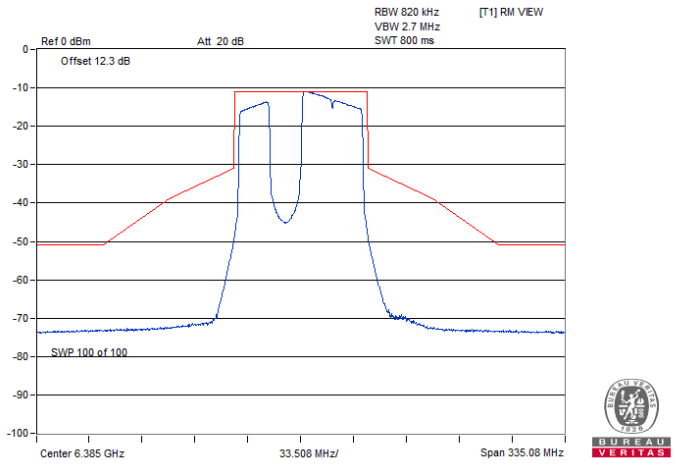
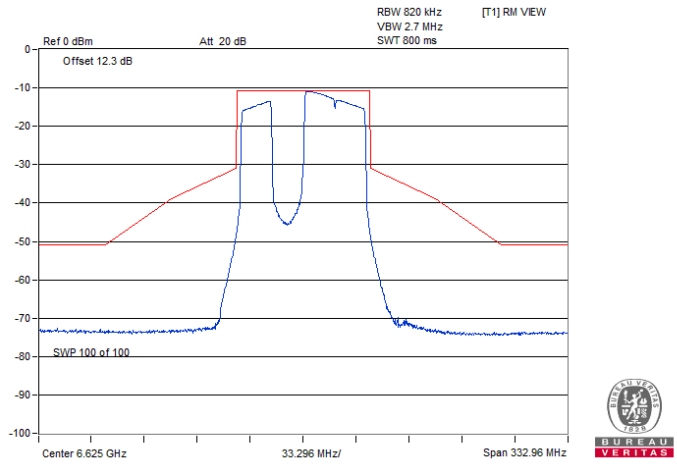
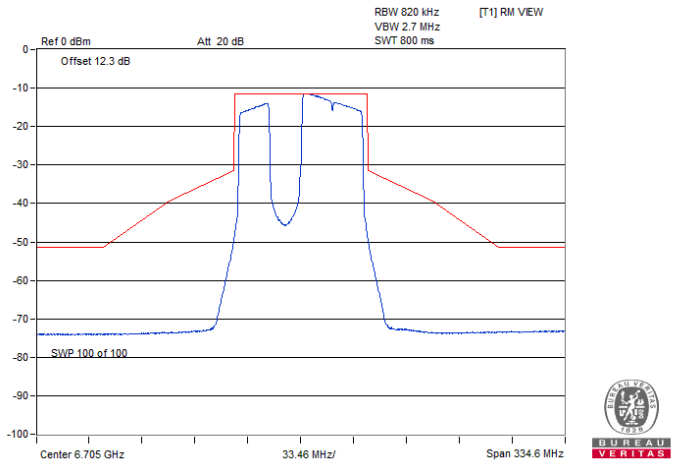
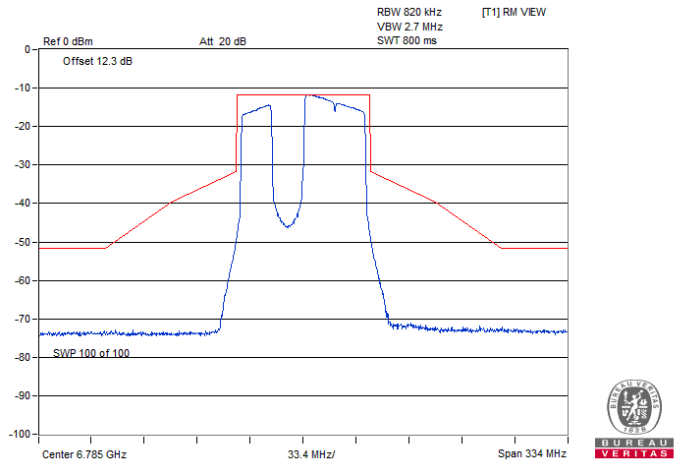
Spectrum Plot	
	
802.11be (EHT20) 106+26-tone MRU : CH 2	802.11be (EHT20) 106+26-tone MRU : CH 1
	
802.11be (EHT20) 106+26-tone MRU : CH 45	802.11be (EHT20) 106+26-tone MRU : CH 93
	
802.11be (EHT20) 106+26-tone MRU : CH 117	802.11be (EHT20) 106+26-tone MRU : CH 149

Spectrum Plot

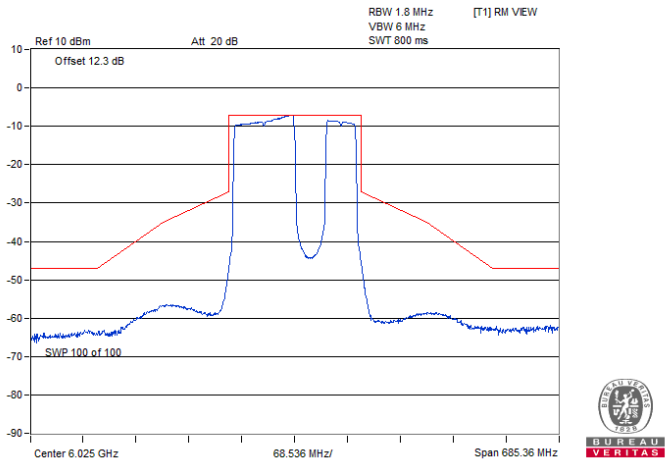
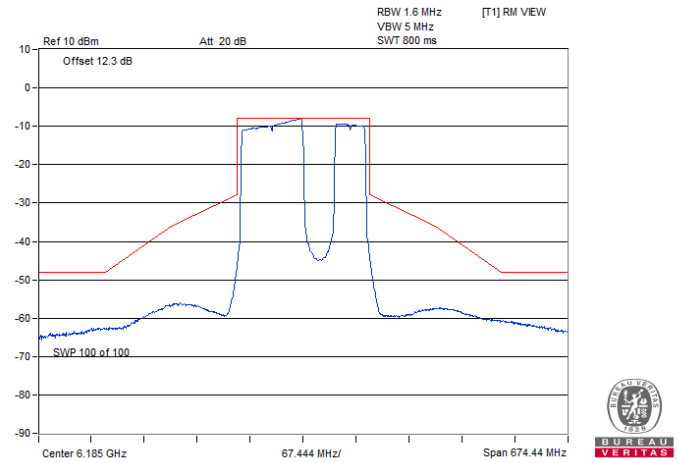
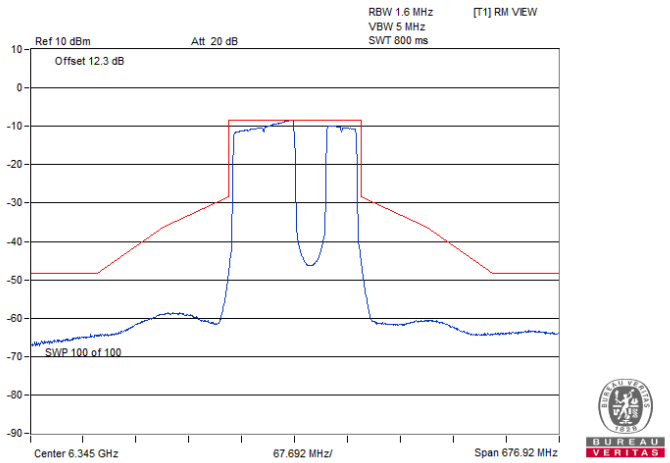
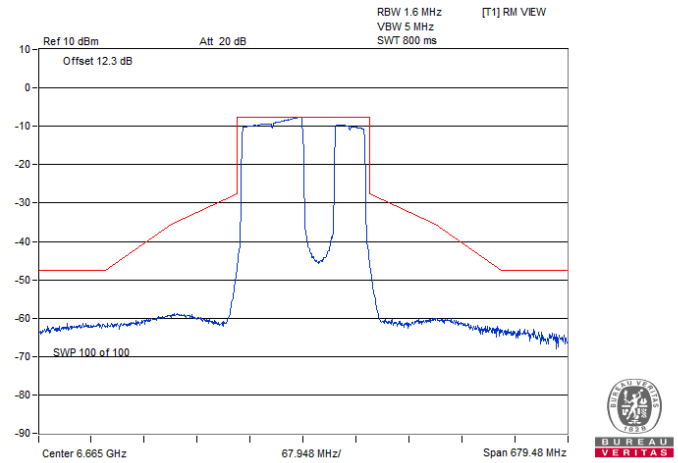


802.11be (EHT20) 106+26-tone MRU : CH 181

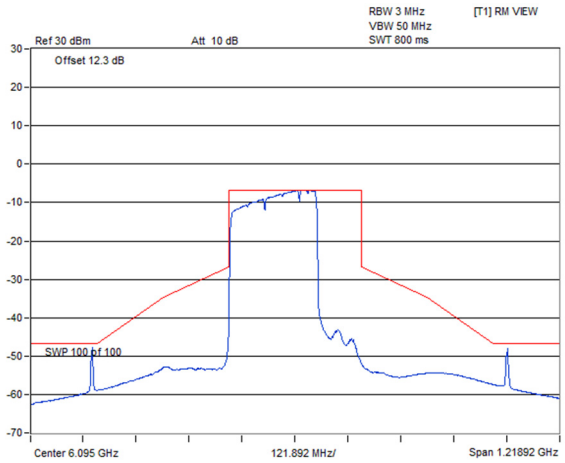
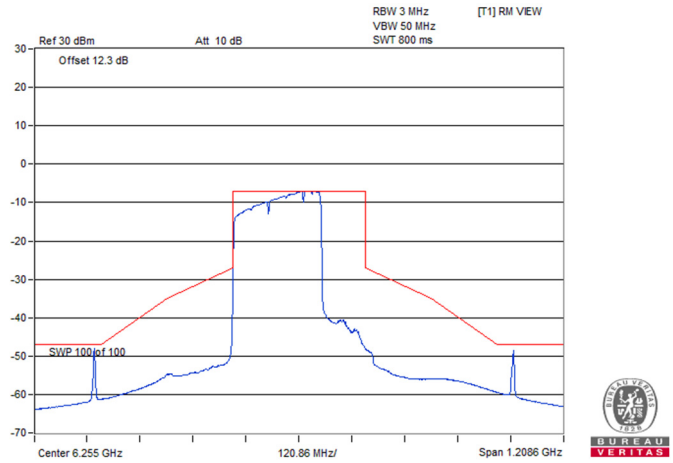
802.11be (EHT80) 484+242-tone MRU

Spectrum Plot	
	
802.11be (EHT80) 484+242-tone MRU : CH 7	802.11be (EHT80) 484+242-tone MRU : CH 39
	
802.11be (EHT80) 484+242-tone MRU : CH 87	802.11be (EHT80) 484+242-tone MRU : CH 135
	
802.11be (EHT80) 484+242-tone MRU : CH 151	802.11be (EHT80) 484+242-tone MRU : CH 167

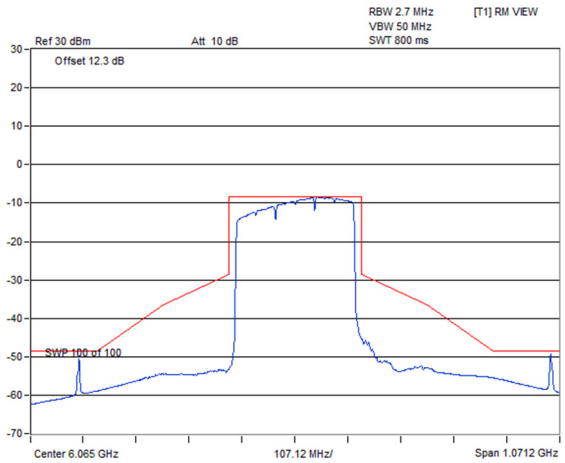
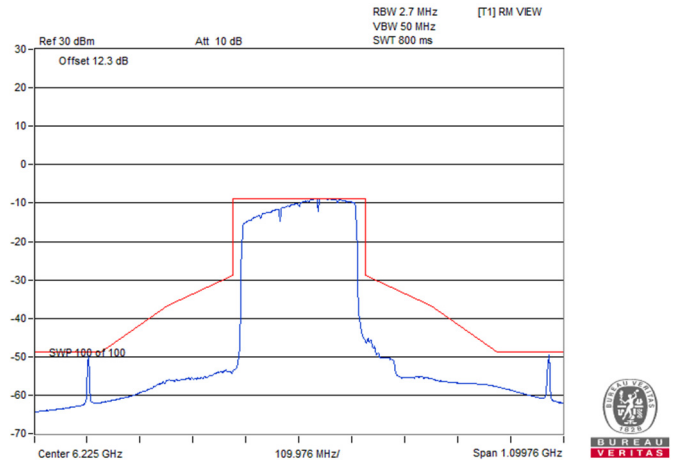
802.11be (EHT160) 996+484-tone MRU

Spectrum Plot	
	
802.11be (EHT160) 996+484-tone MRU : CH 15	802.11be (EHT160) 996+484-tone MRU : CH 47
	
802.11be (EHT160) 996+484-tone MRU : CH 79	802.11be (EHT160) 996+484-tone MRU : CH 143

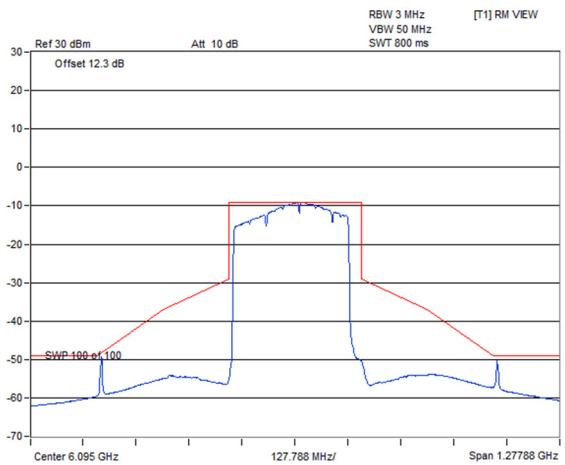
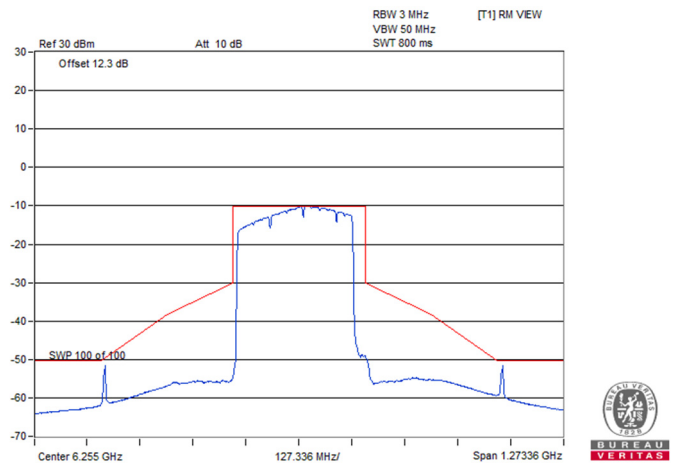
802.11be (EHT320) 2x996+484-tone MRU

Spectrum Plot	
	
802.11be (EHT320) 2x996+484-tone MRU : CH 31	802.11be (EHT320) 2x996+484-tone MRU : CH 63

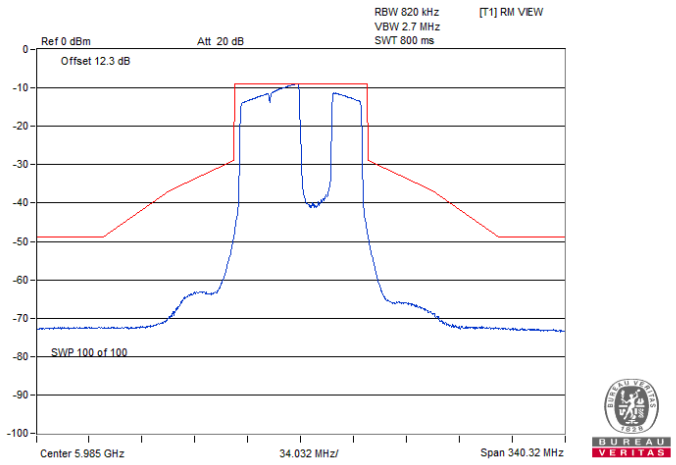
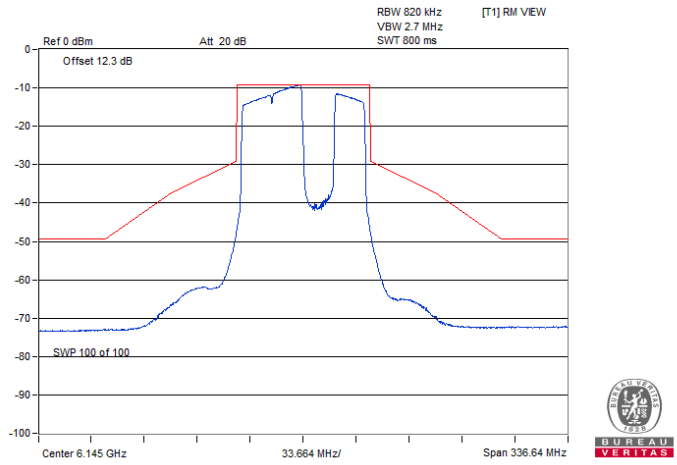
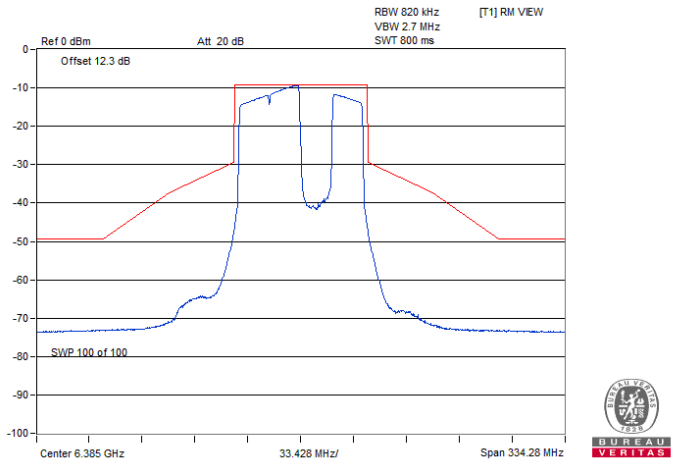
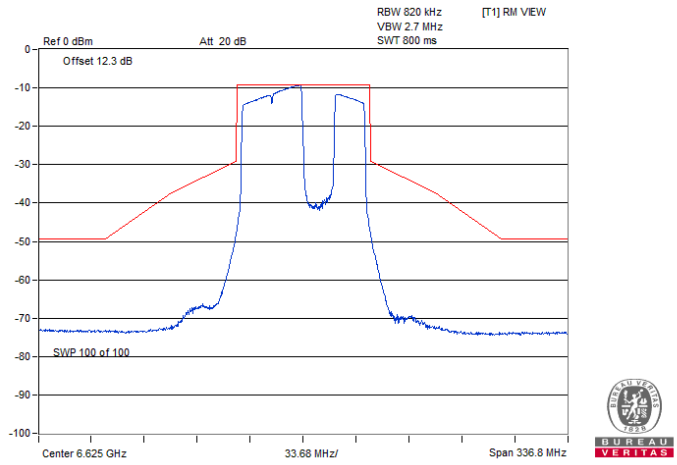
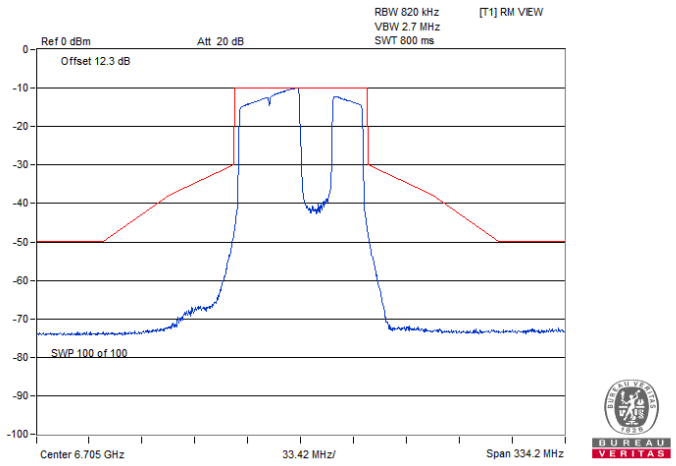
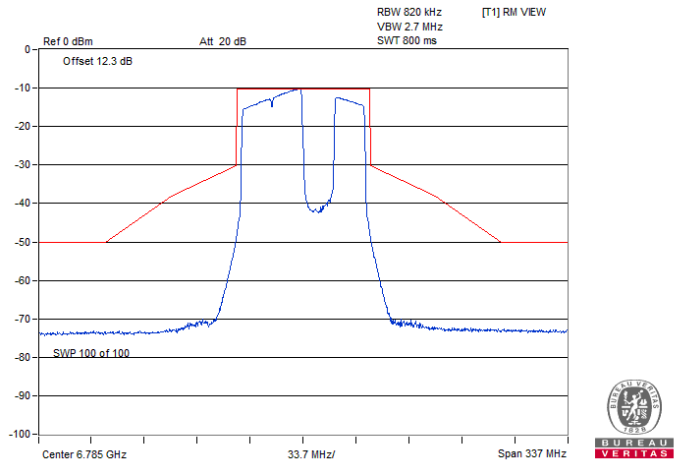
802.11be (EHT320) 3x996-tone MRU

Spectrum Plot	
	
802.11be (EHT320) 3x996-tone MRU : CH 31	802.11be (EHT320) 3x996-tone MRU : CH 63

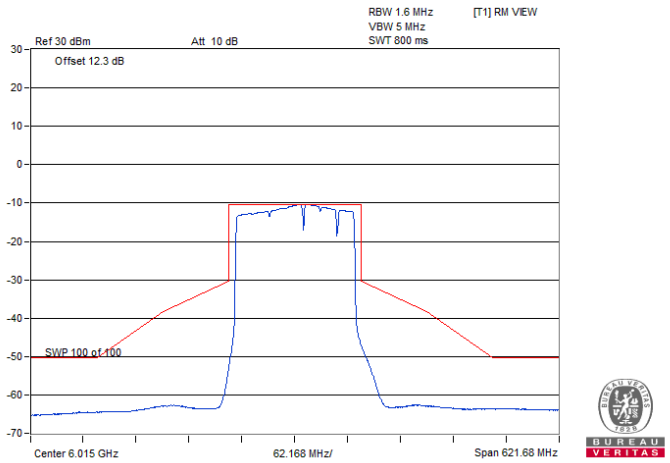
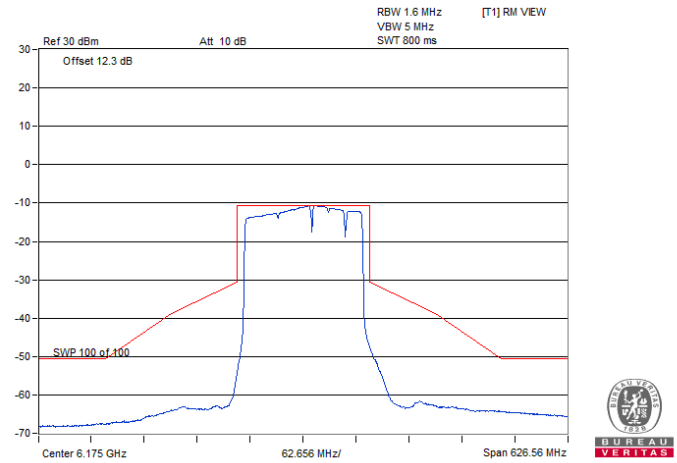
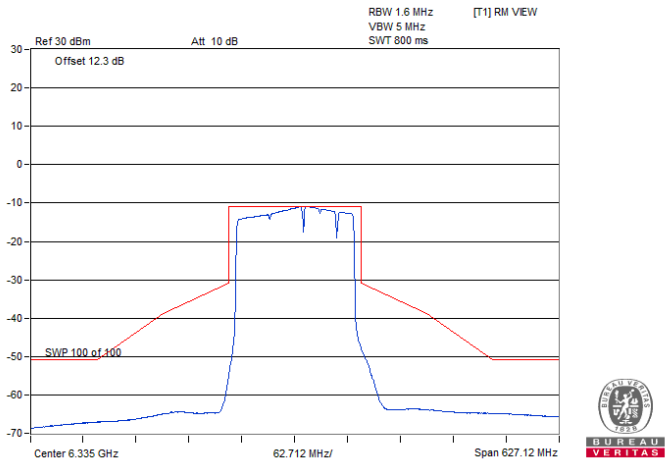
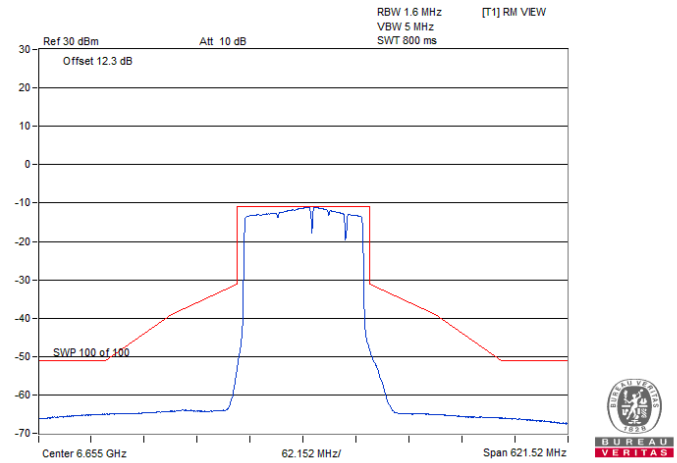
802.11be (EHT320) 3x996+484-tone MRU

Spectrum Plot	
	
802.11be (EHT320) 3x996+484-tone MRU : CH 31	802.11be (EHT320) 3x996+484-tone MRU : CH 63

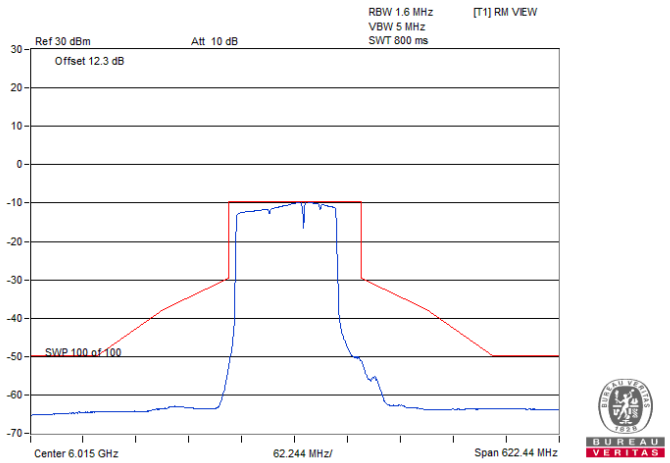
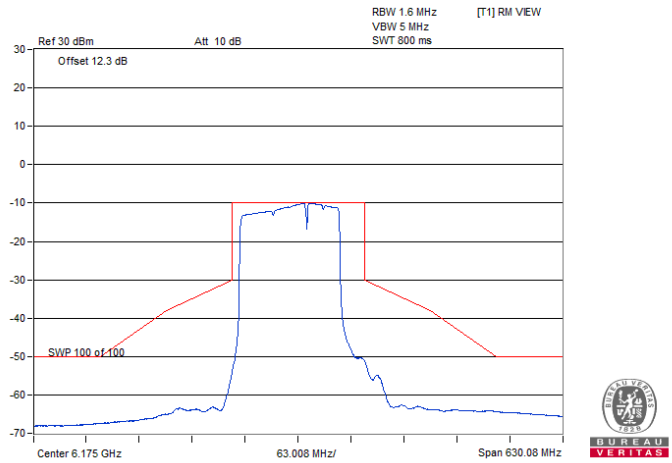
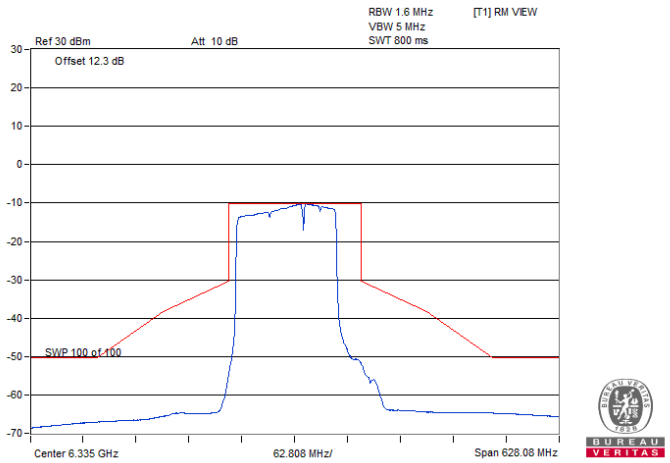
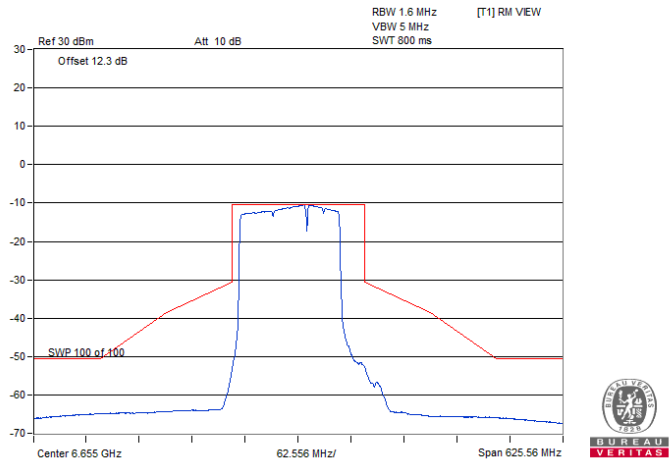
802.11be (EHT80) Punctured by 20 MHz

Spectrum Plot	
	
802.11be (EHT80) Punctured by 20 MHz : CH 7	802.11be (EHT80) Punctured by 20 MHz : CH 39
	
802.11be (EHT80) Punctured by 20 MHz : CH 87	802.11be (EHT80) Punctured by 20 MHz : CH 135
	
802.11be (EHT80) Punctured by 20 MHz : CH 151	802.11be (EHT80) Punctured by 20 MHz : CH 167

802.11be (EHT160) Punctured by 20 MHz

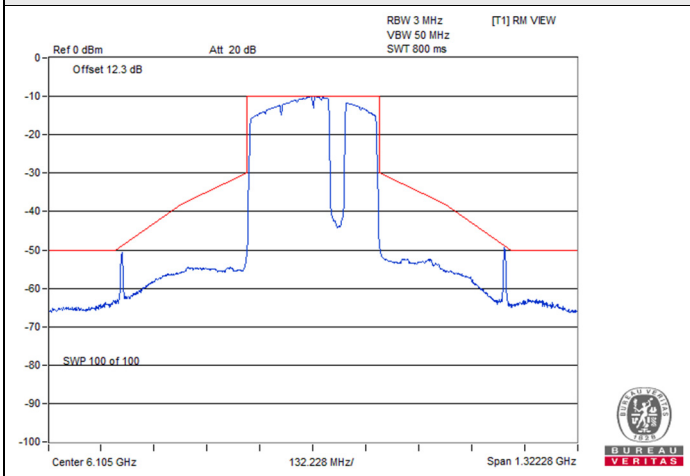
Spectrum Plot	
	
802.11be (EHT160) Punctured by 20 MHz : CH 15	802.11be (EHT160) Punctured by 20 MHz : CH 47
	
802.11be (EHT160) Punctured by 20 MHz : CH 79	802.11be (EHT160) Punctured by 20 MHz : CH 143

802.11be (EHT160) Punctured by 40 MHz

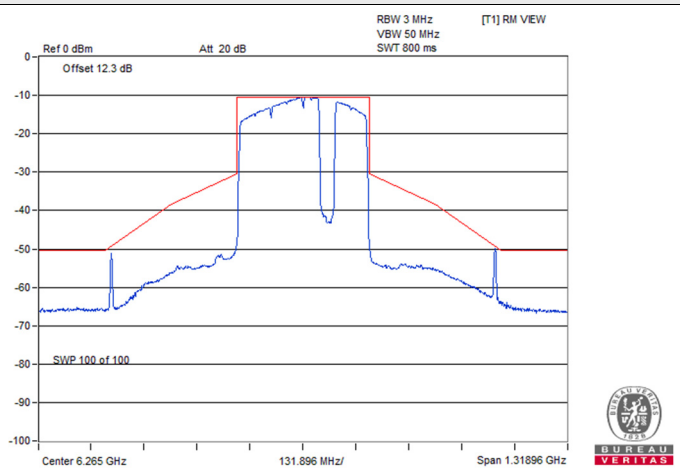
Spectrum Plot	
	
802.11be (EHT160) Punctured by 40 MHz : CH 15	802.11be (EHT160) Punctured by 40 MHz : CH 47
	
802.11be (EHT160) Punctured by 40 MHz : CH 79	802.11be (EHT160) Punctured by 40 MHz : CH 143

802.11be (EHT320) Punctured by 40 MHz

Spectrum Plot



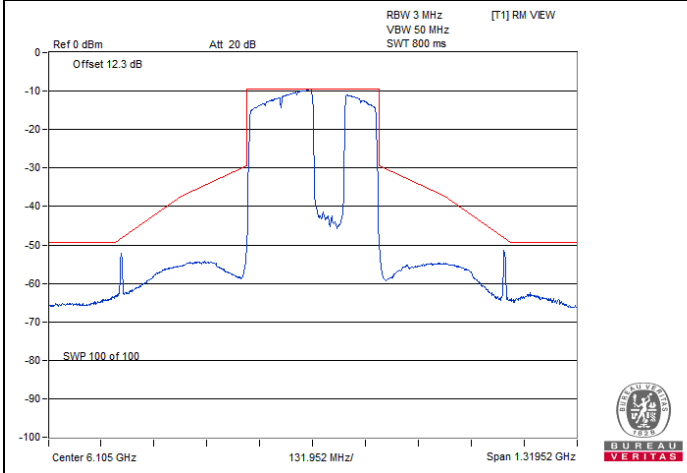
802.11be (EHT320) Punctured by 40 MHz : CH 31



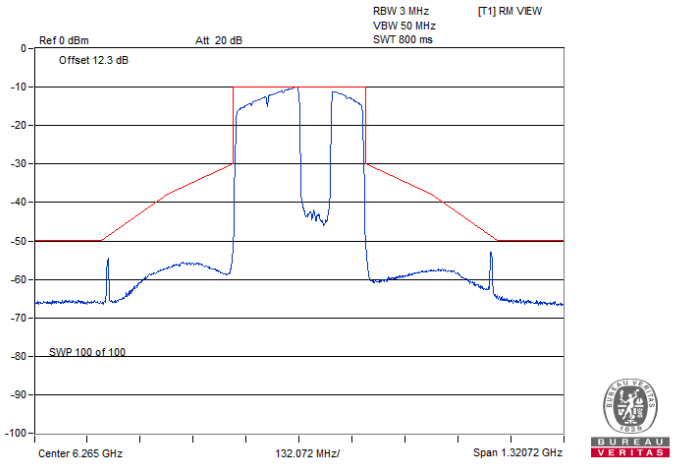
802.11be (EHT320) Punctured by 40 MHz : CH 63

802.11be (EHT320) Punctured by 80 MHz

Spectrum Plot



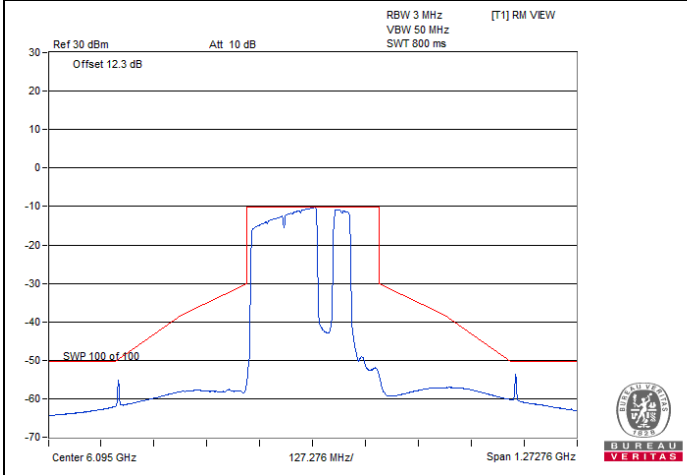
802.11be (EHT320) Punctured by 80 MHz : CH 31



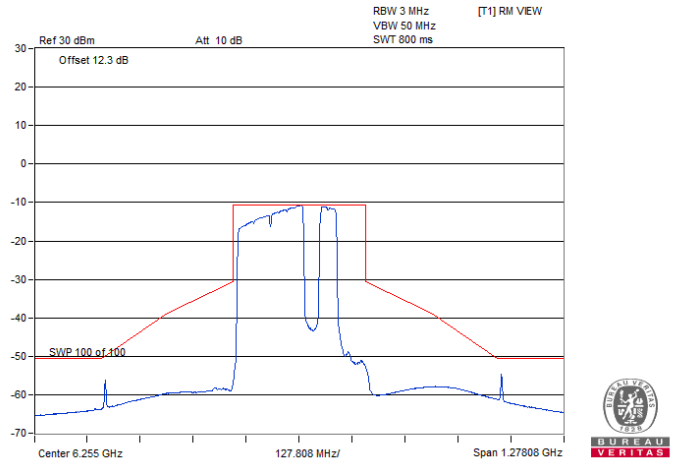
802.11be (EHT320) Punctured by 80 MHz : CH 63

802.11be (EHT320) Punctured by 80+40 MHz

Spectrum Plot



802.11be (EHT320) Punctured by 80+40 MHz : CH 31

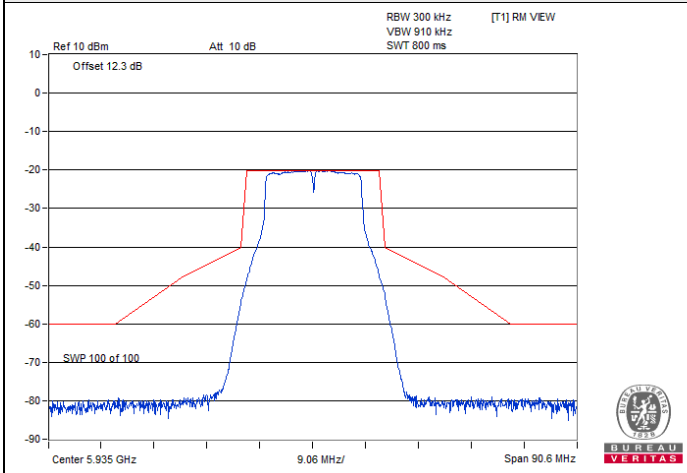
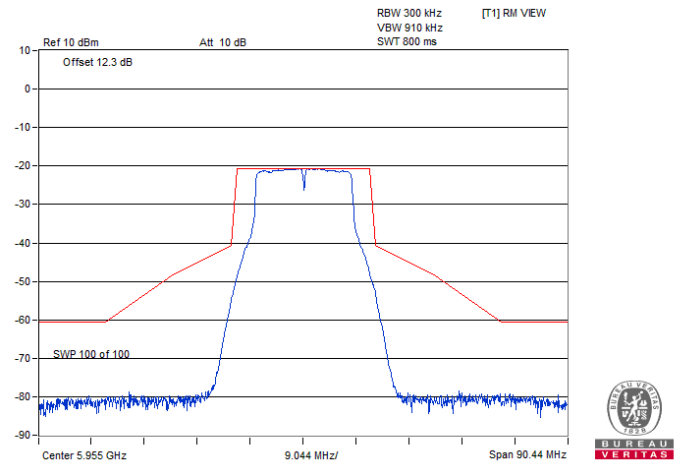
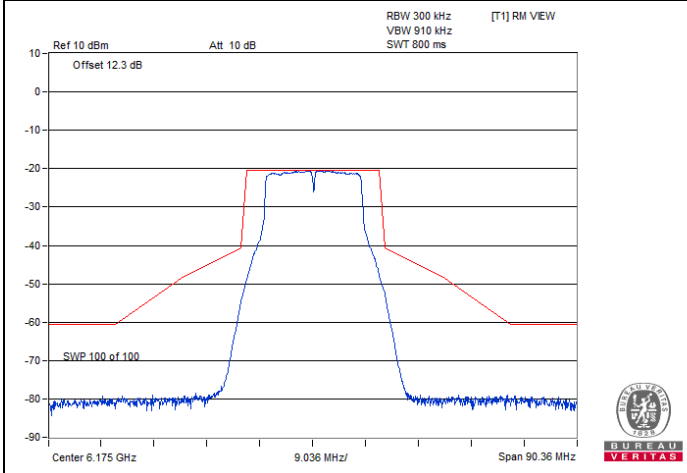
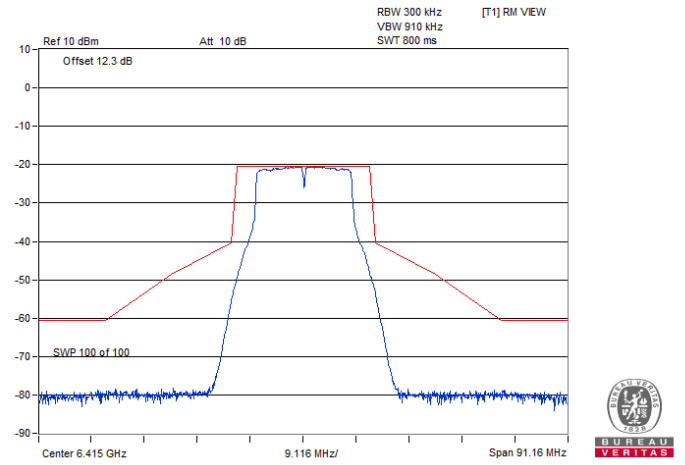
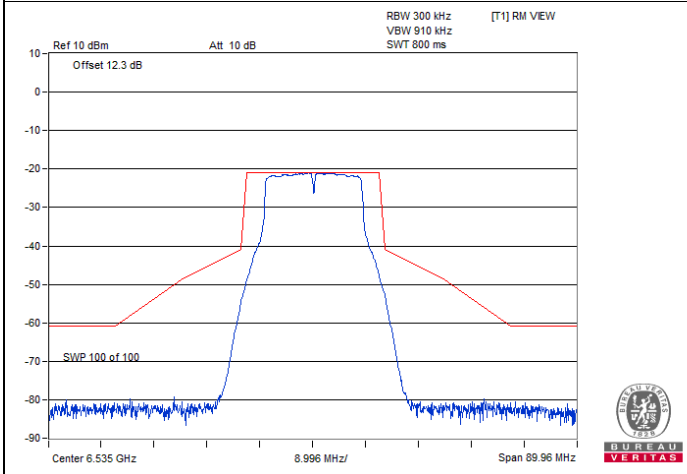
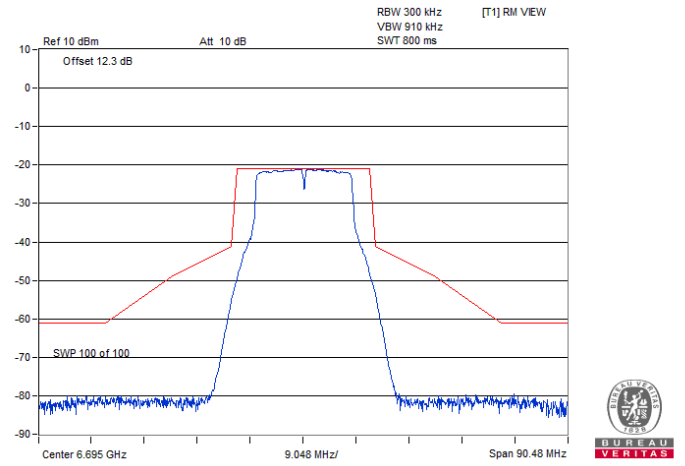


802.11be (EHT320) Punctured by 80+40 MHz : CH 63

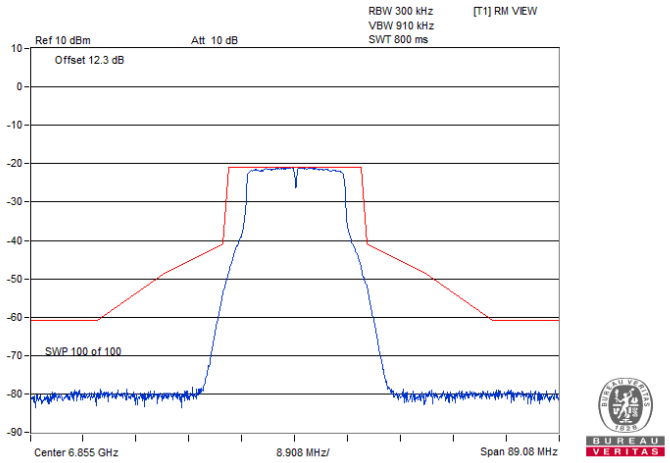
Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Dolly Chung

2TX

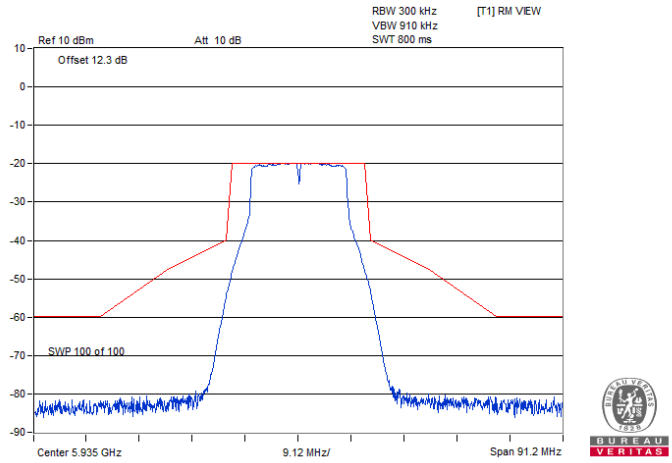
802.11a

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

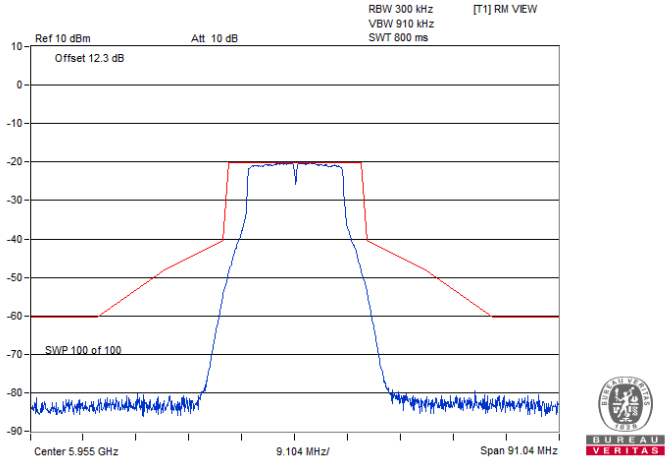
Spectrum Plot



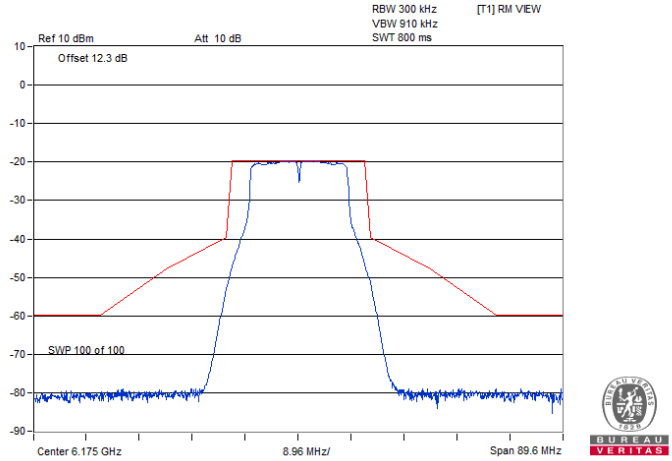
802.11a / Chain 0 : CH 181



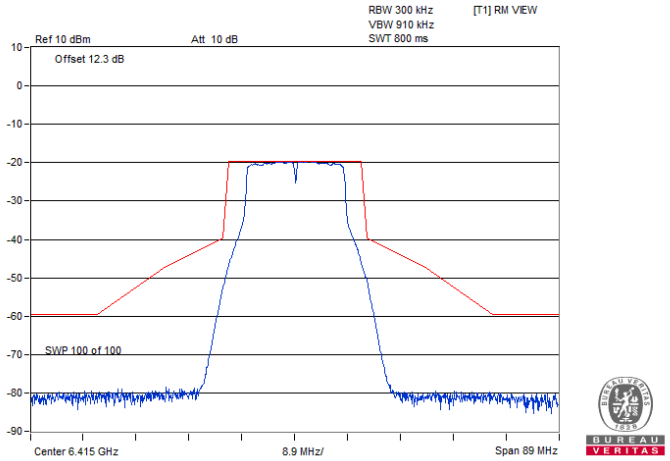
802.11a / Chain 1 : CH 2



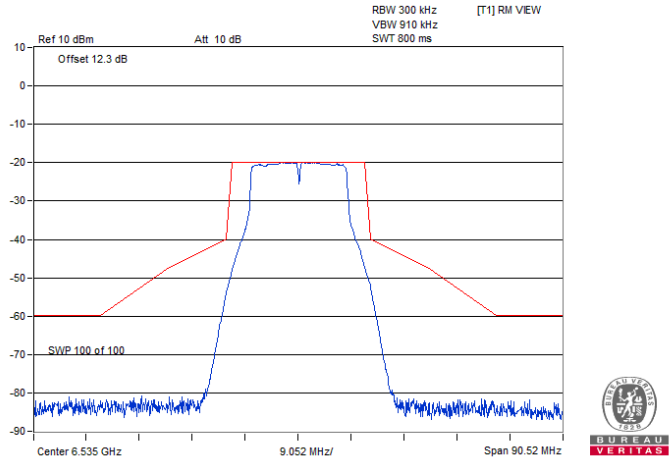
802.11a / Chain 1 : CH 1



802.11a / Chain 1 : CH 45

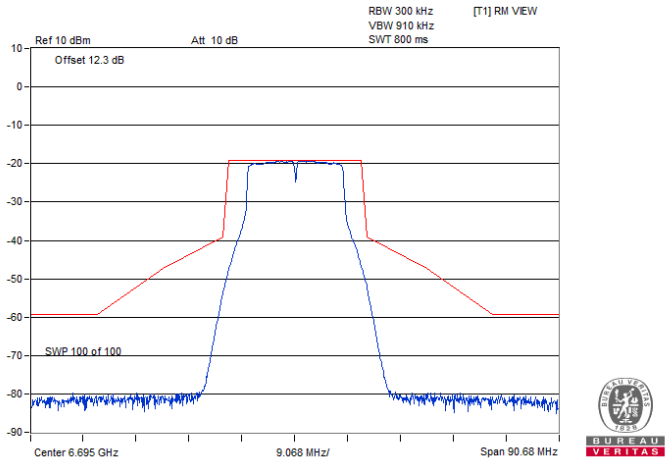


802.11a / Chain 1 : CH 93

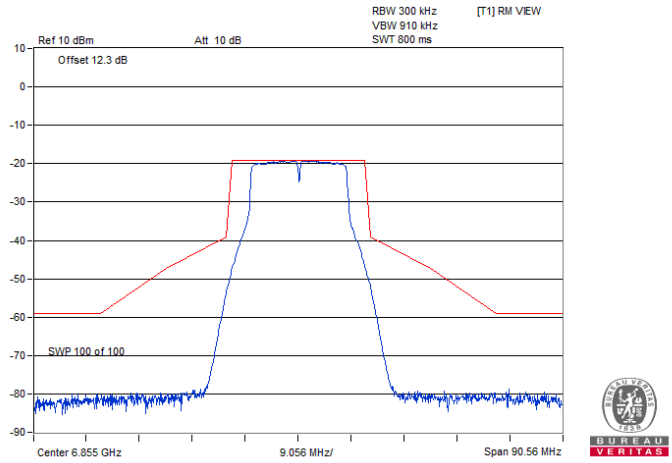


802.11a / Chain 1 : CH 117

Spectrum Plot

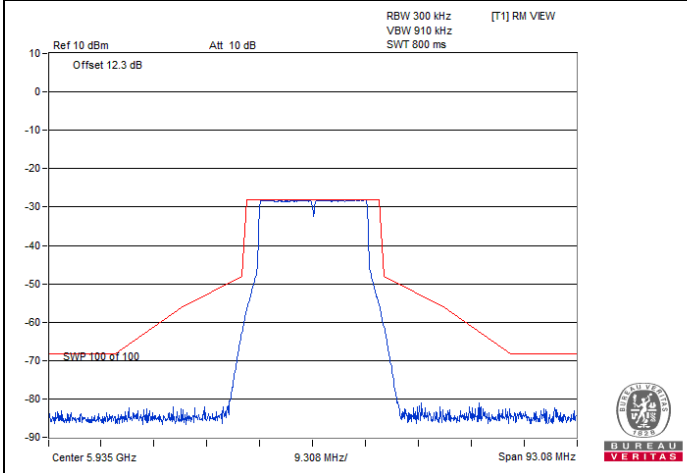
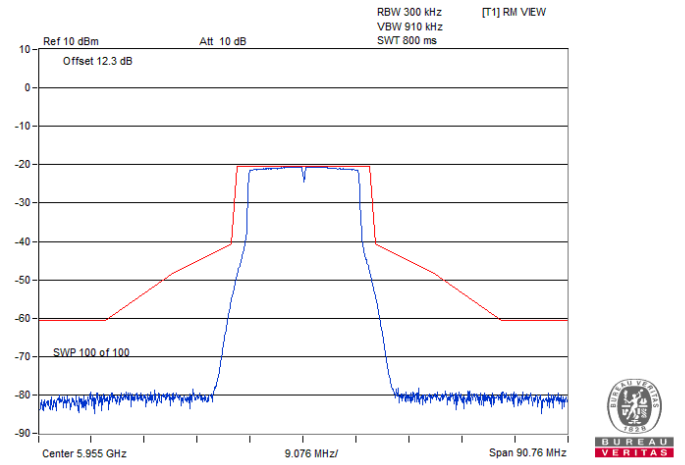
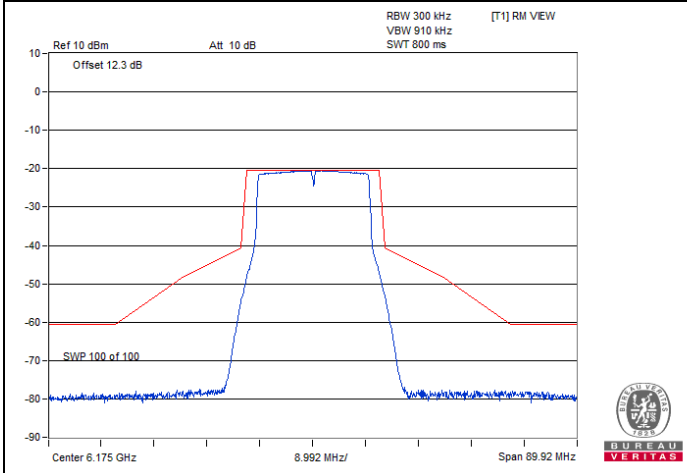
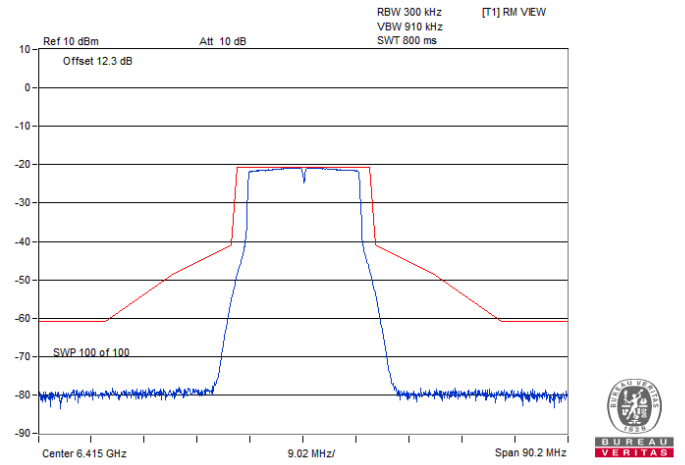
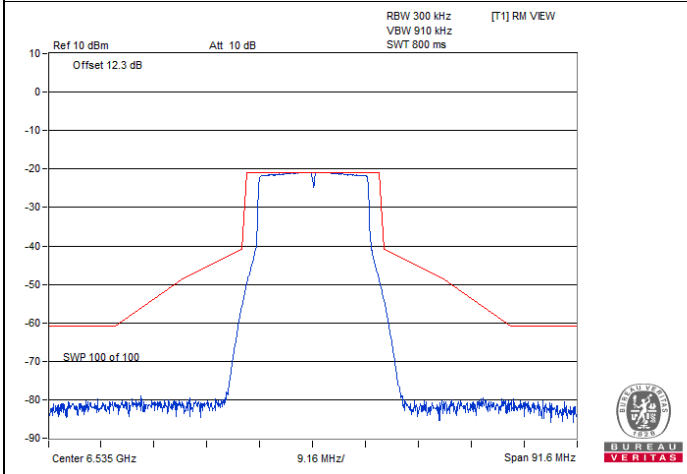
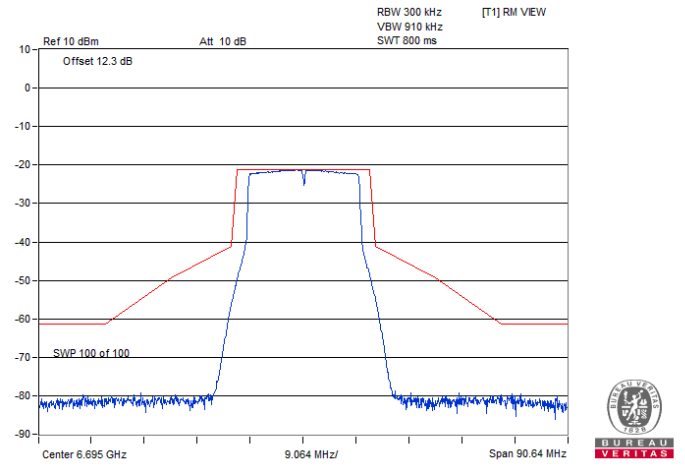


802.11a / Chain 1 : CH 149

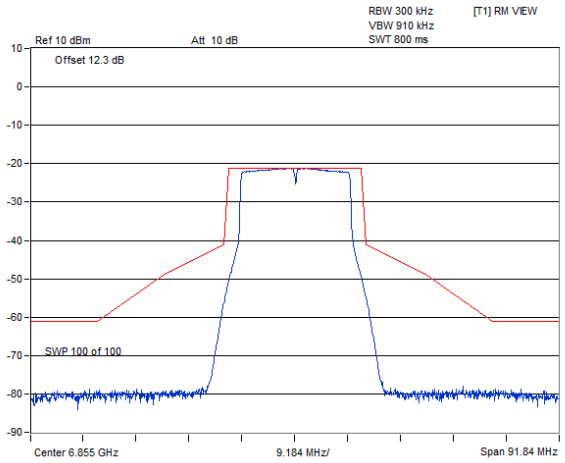


802.11a / Chain 1 : CH 181

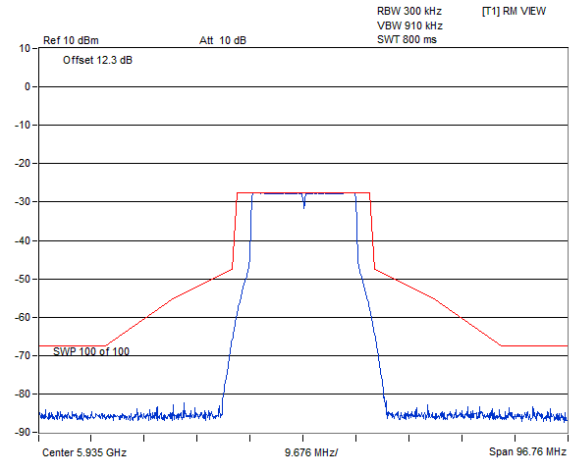
802.11be (EHT20)

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
	
802.11be (EHT20) / Chain 0 : CH 117	802.11be (EHT20) / Chain 0 : CH 149

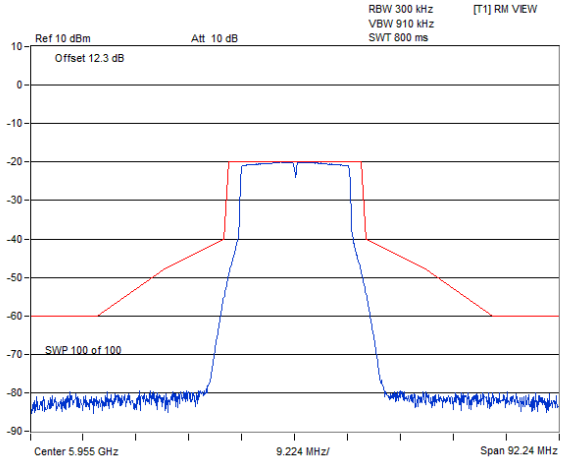
Spectrum Plot



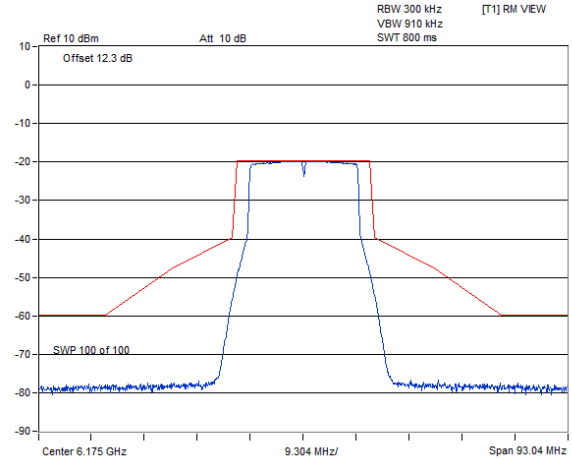
802.11be (EHT20) / Chain 0 : CH 181



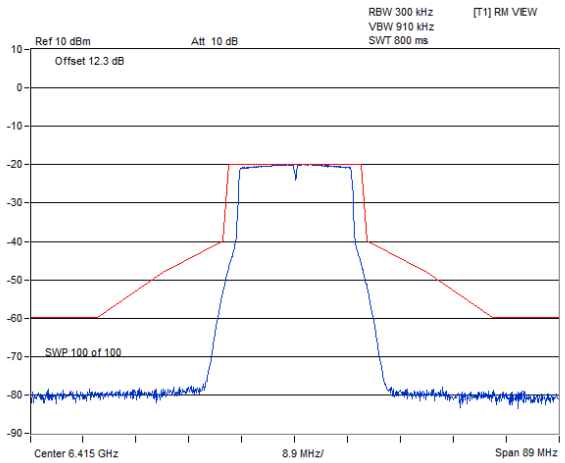
802.11be (EHT20) / Chain 1 : CH 2



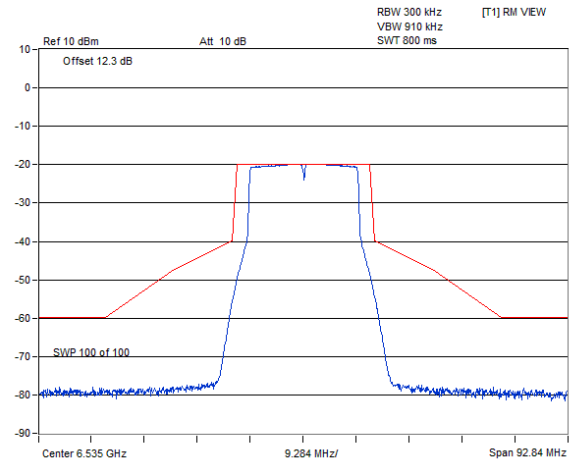
802.11be (EHT20) / Chain 1 : CH 1



802.11be (EHT20) / Chain 1 : CH 45

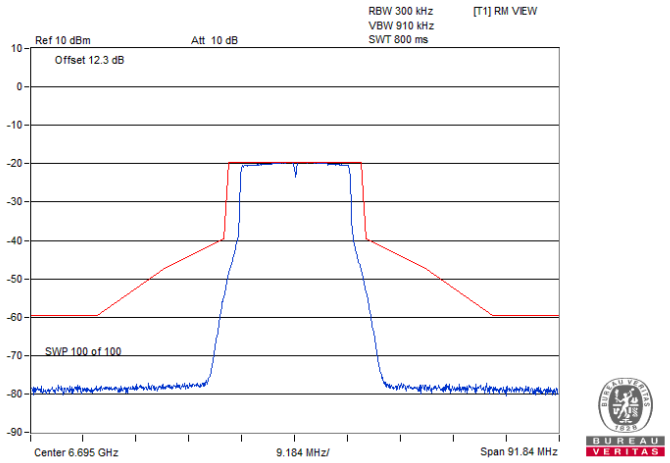


802.11be (EHT20) / Chain 1 : CH 93

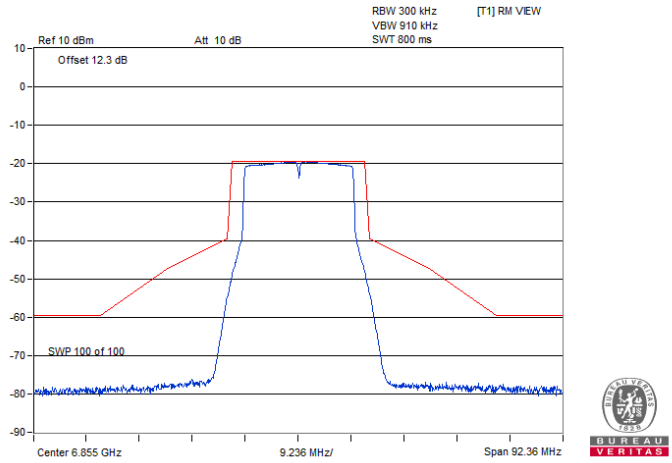


802.11be (EHT20) / Chain 1 : CH 117

Spectrum Plot

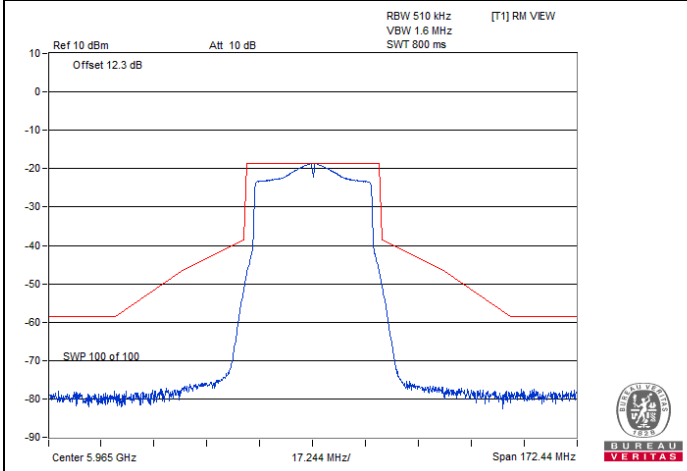
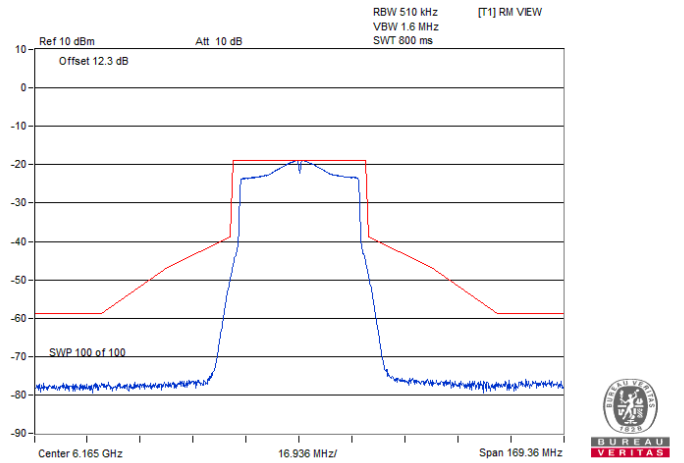
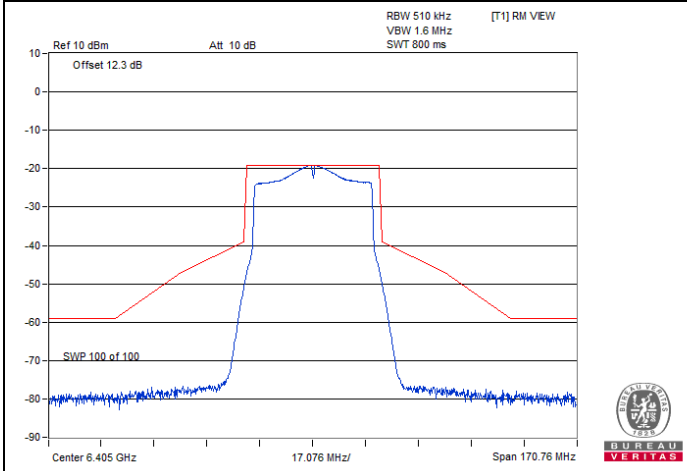
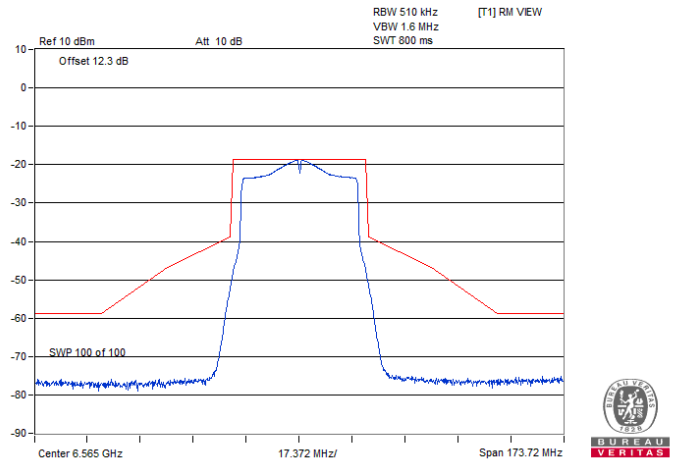
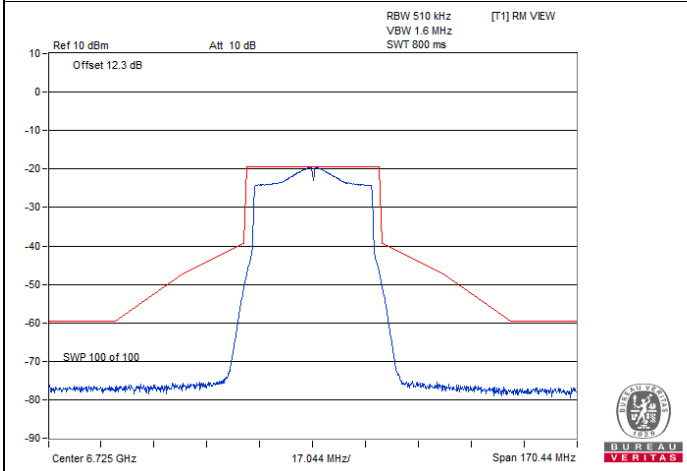
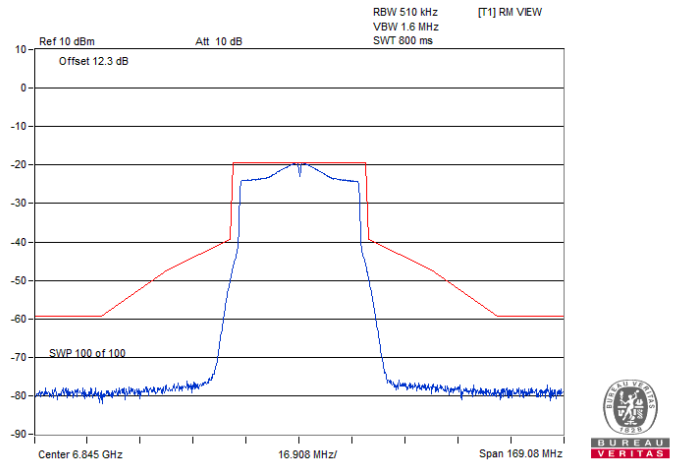


802.11be (EHT20) / Chain 1 : CH 149

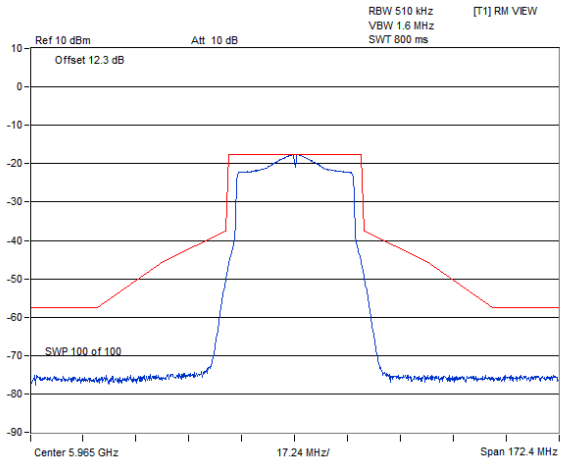


802.11be (EHT20) / Chain 1 : CH 181

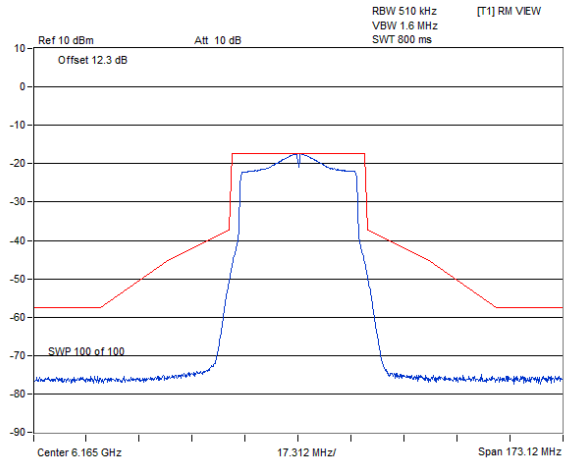
802.11be (EHT40)

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

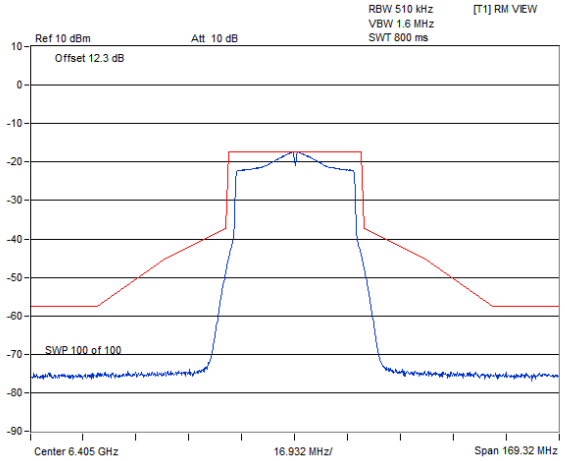
Spectrum Plot



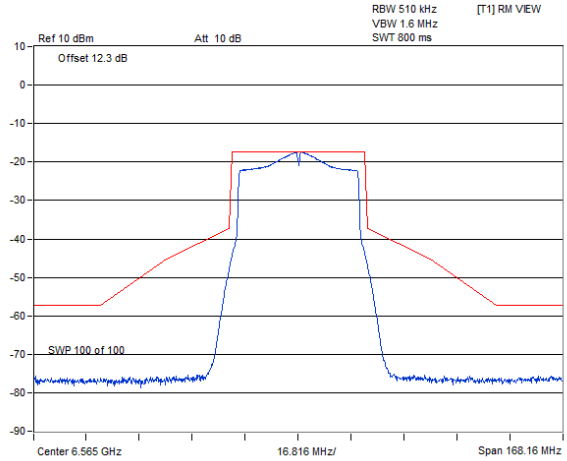
802.11be (EHT40) / Chain 1 : CH 3



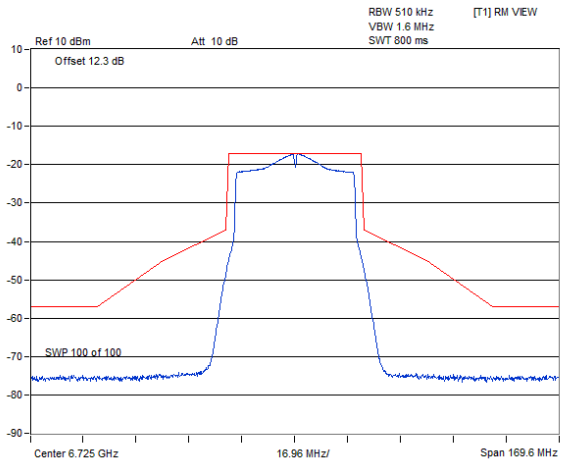
802.11be (EHT40) / Chain 1 : CH 43



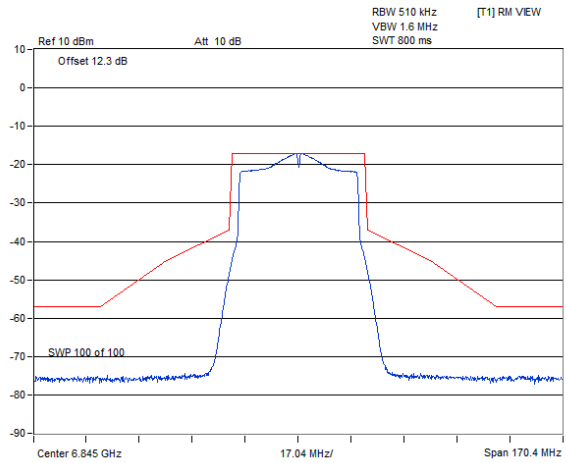
802.11be (EHT40) / Chain 1 : CH 91



802.11be (EHT40) / Chain 1 : CH 123

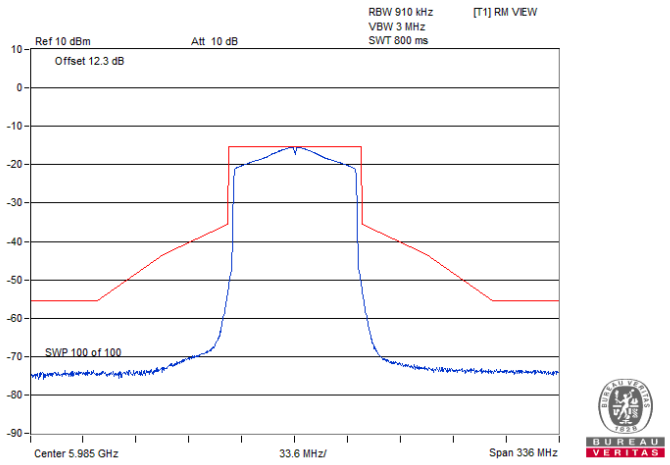
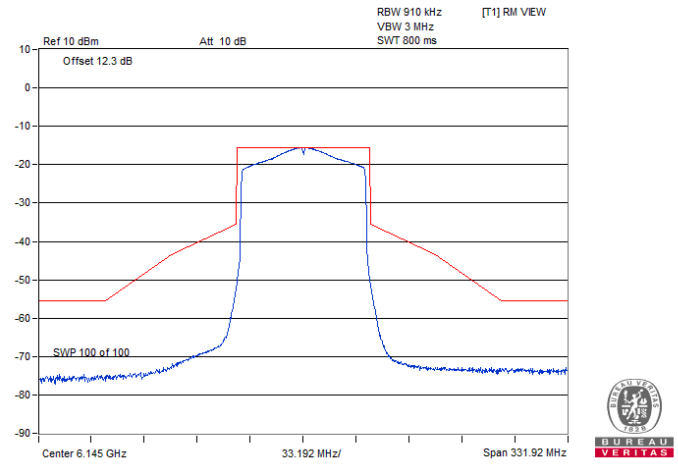
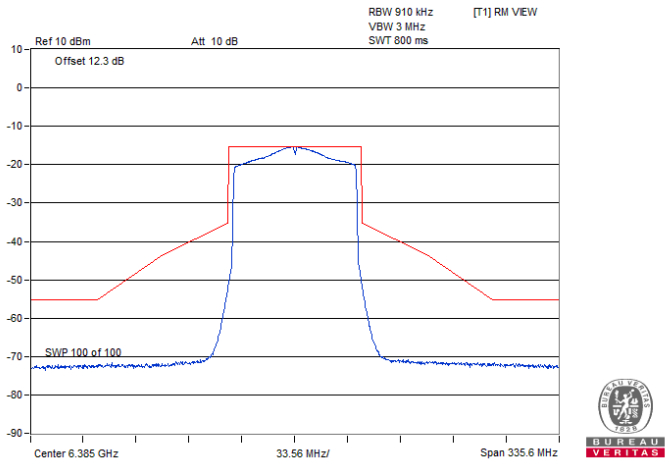
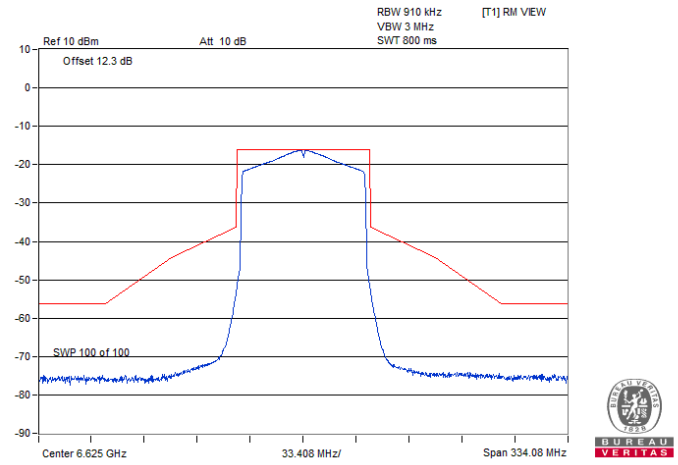
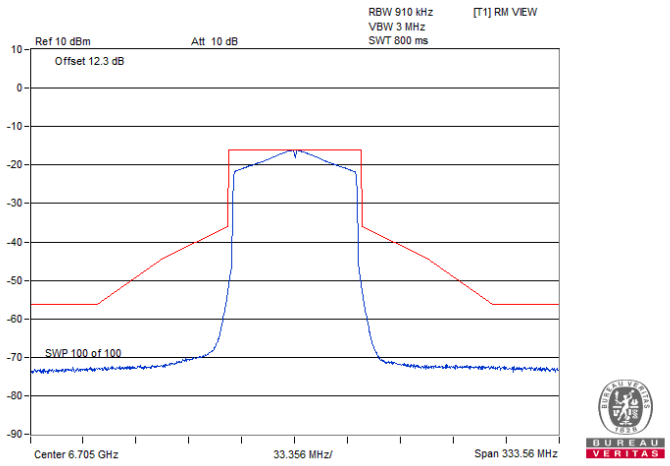
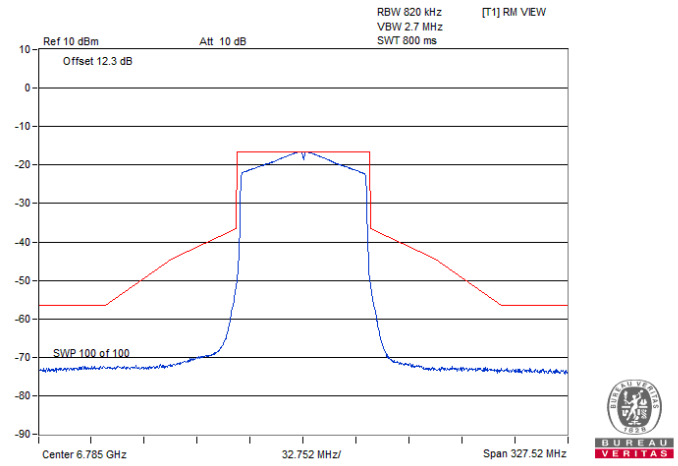


802.11be (EHT40) / Chain 1 : CH 155

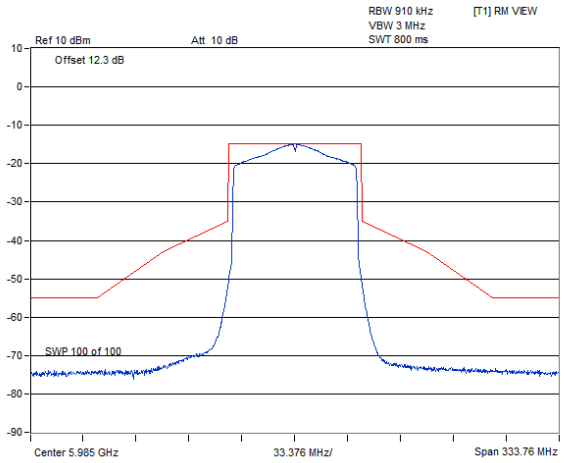


802.11be (EHT40) / Chain 1 : CH 179

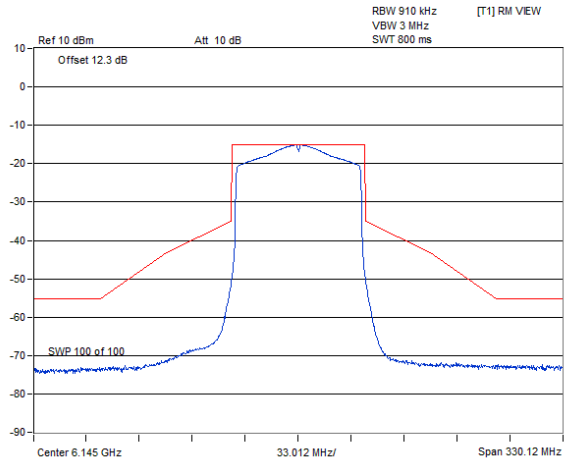
802.11be (EHT80)

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

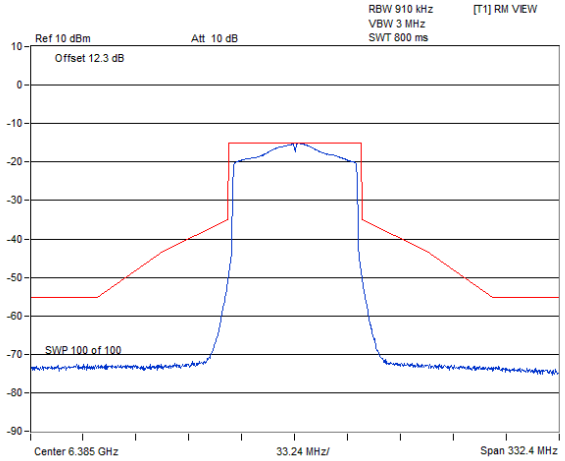
Spectrum Plot



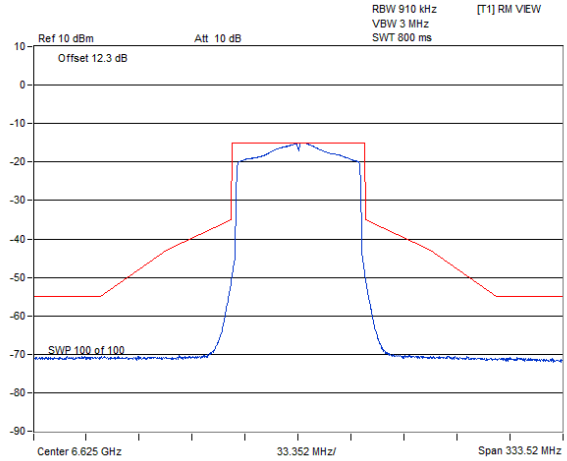
802.11be (EHT80) / Chain 1 : CH 7



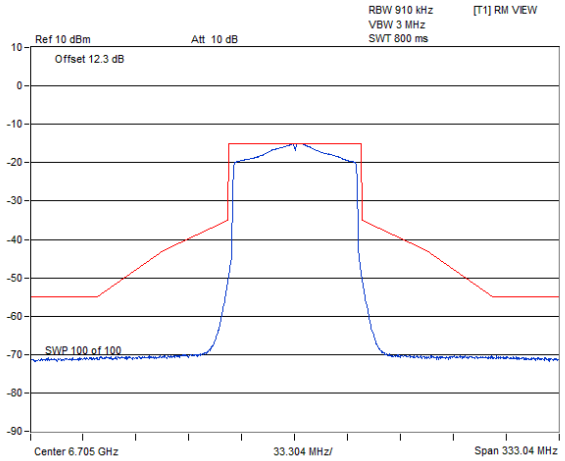
802.11be (EHT80) / Chain 1 : CH 39



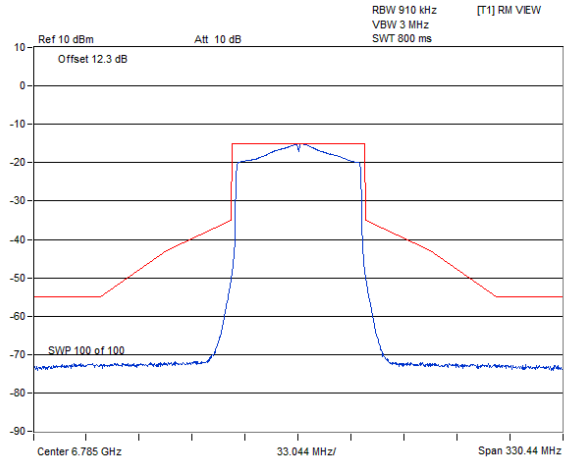
802.11be (EHT80) / Chain 1 : CH 87



802.11be (EHT80) / Chain 1 : CH 135

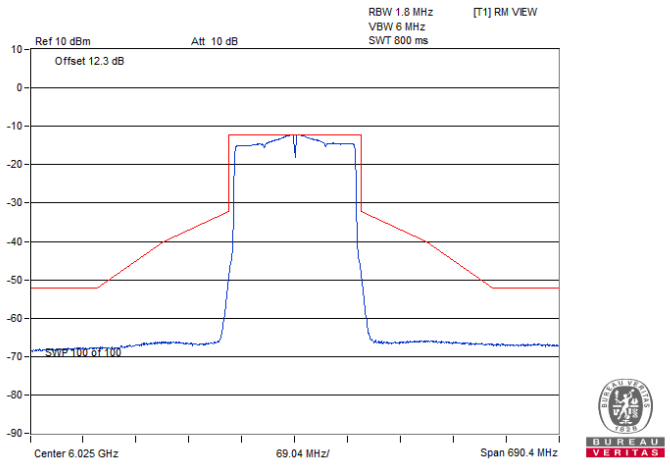
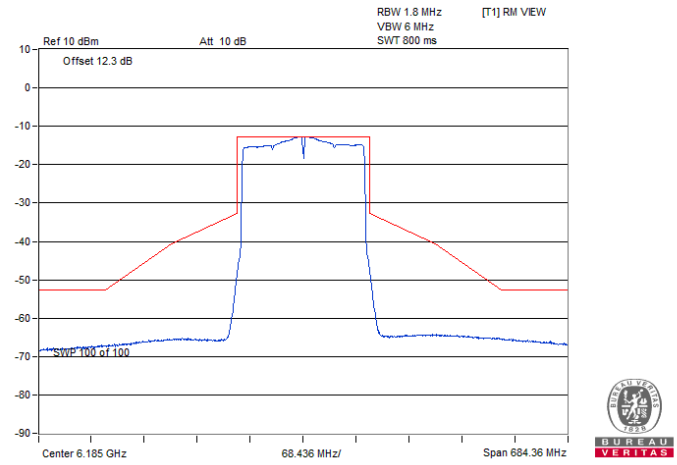
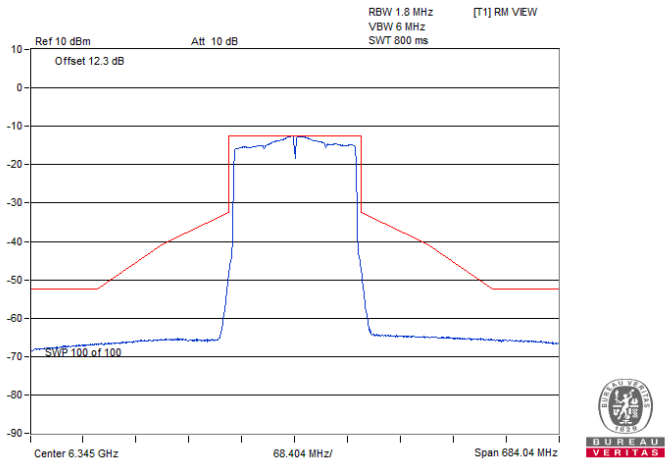
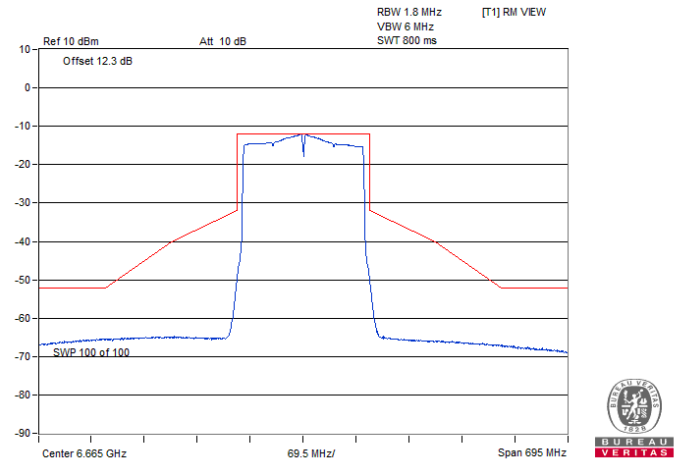
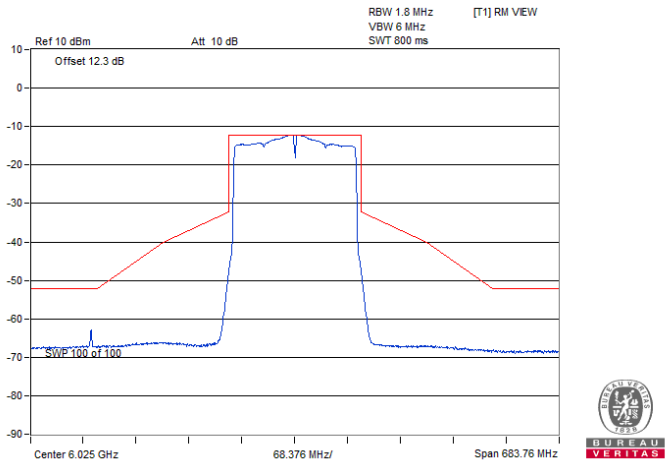
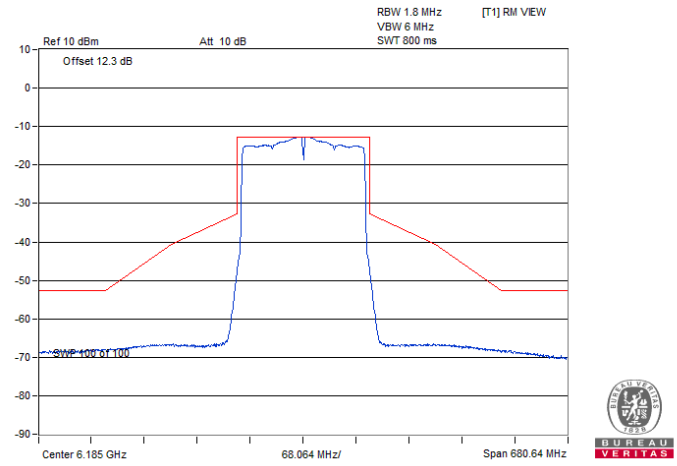


802.11be (EHT80) / Chain 1 : CH 151

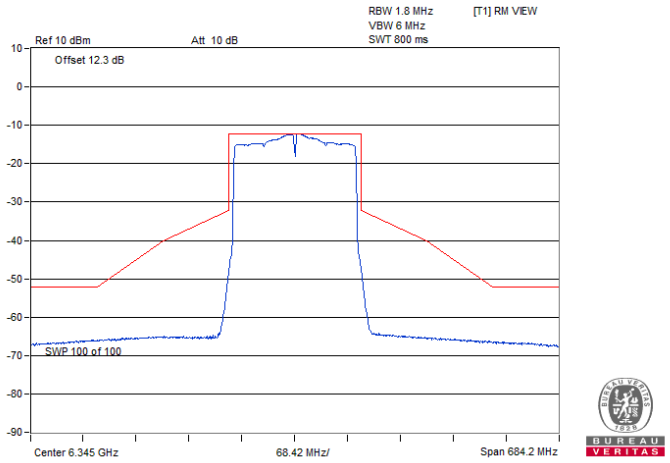


802.11be (EHT80) / Chain 1 : CH 167

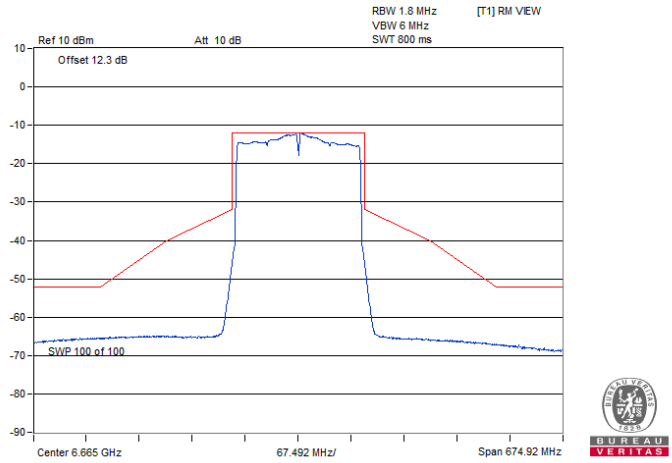
802.11be (EHT160)

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

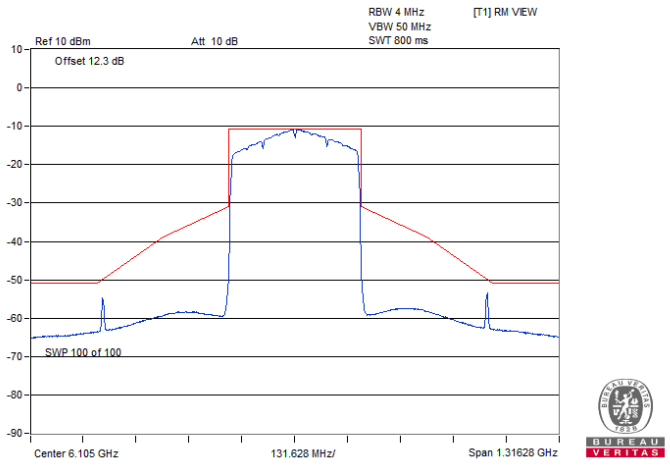
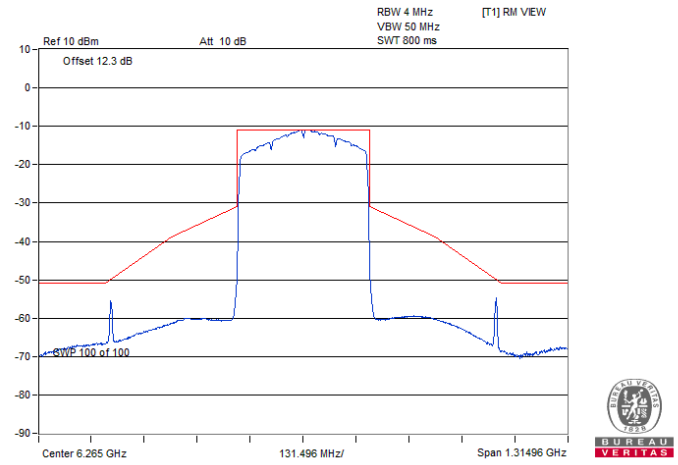
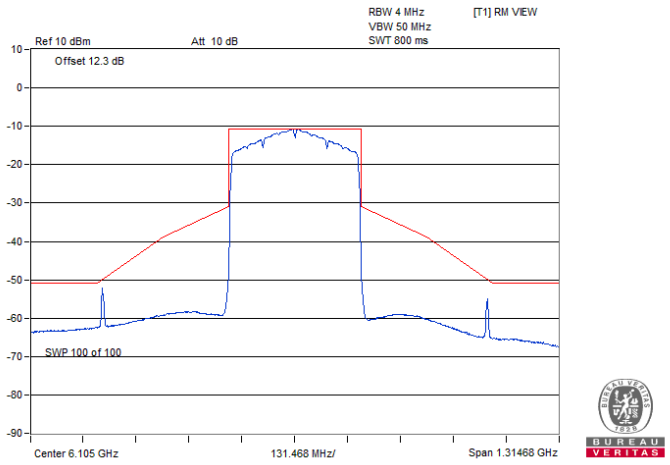
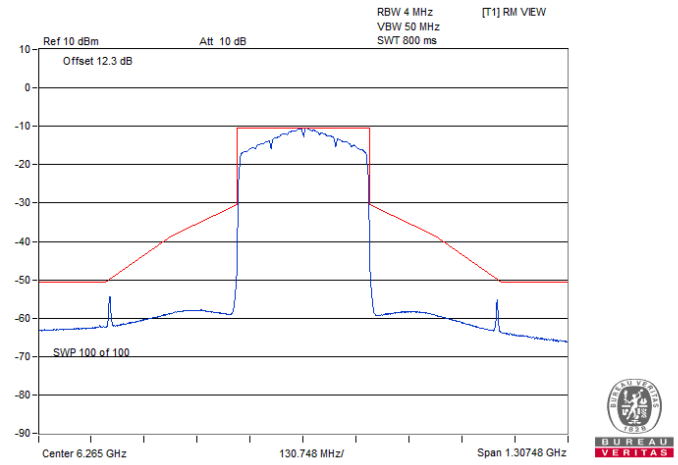


802.11be (EHT160) / Chain 1 : CH 79

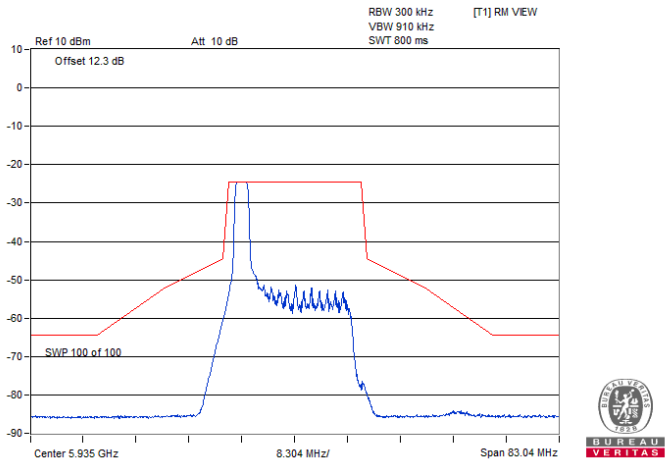
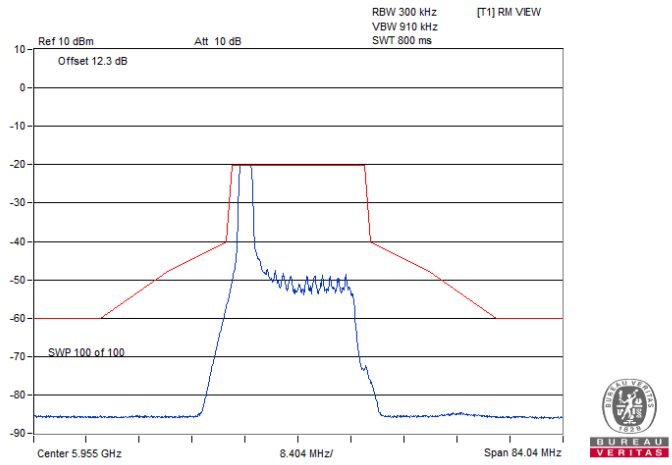
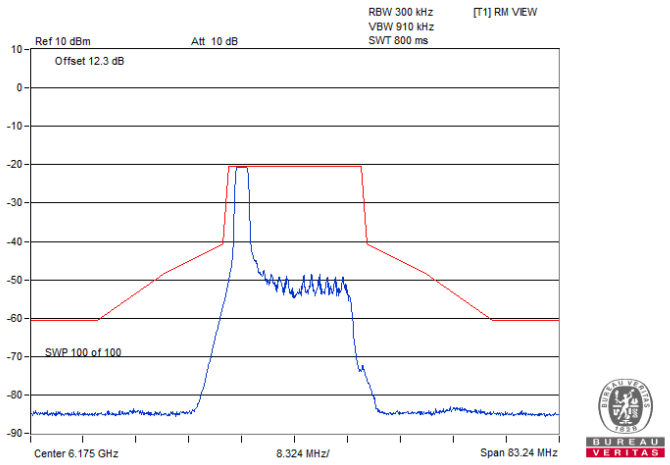
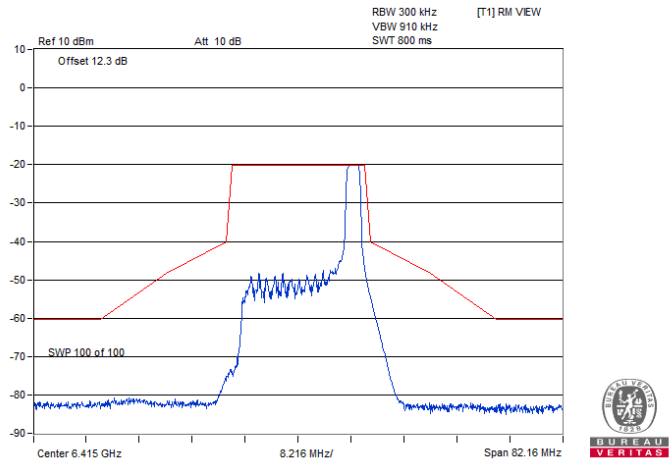
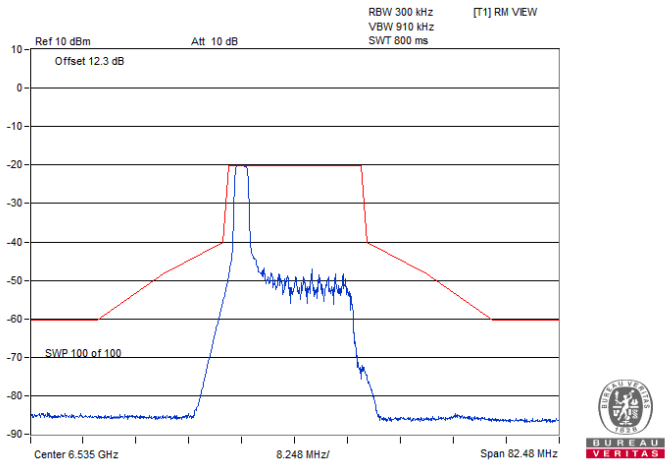
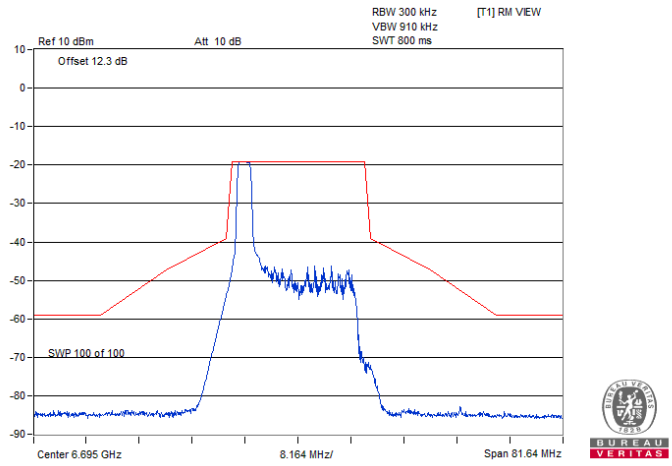


802.11be (EHT160) / Chain 1 : CH 143

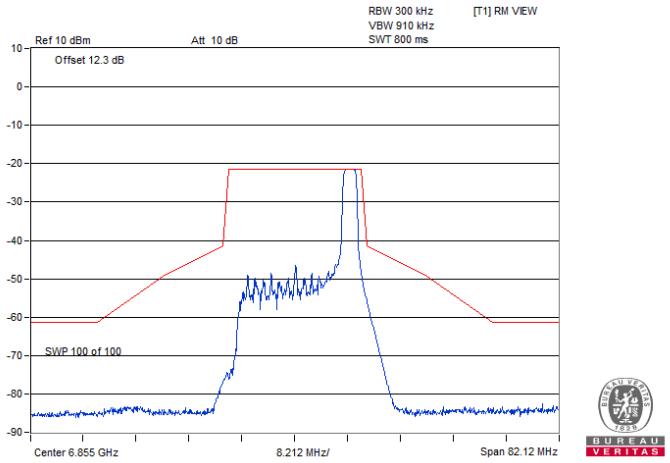
802.11be (EHT320)

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

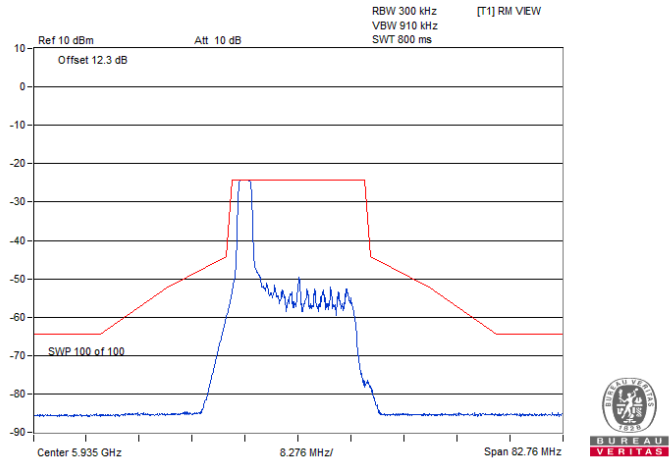
802.11be (EHT20) 26-tone RU

Spectrum Plot	
	
802.11be (EHT20) 26-tone RU / Chain 0 : CH 2	802.11be (EHT20) 26-tone RU / Chain 0 : CH 1
	
802.11be (EHT20) 26-tone RU / Chain 0 : CH 45	802.11be (EHT20) 26-tone RU / Chain 0 : CH 93
	
802.11be (EHT20) 26-tone RU / Chain 0 : CH 117	802.11be (EHT20) 26-tone RU / Chain 0 : CH 149

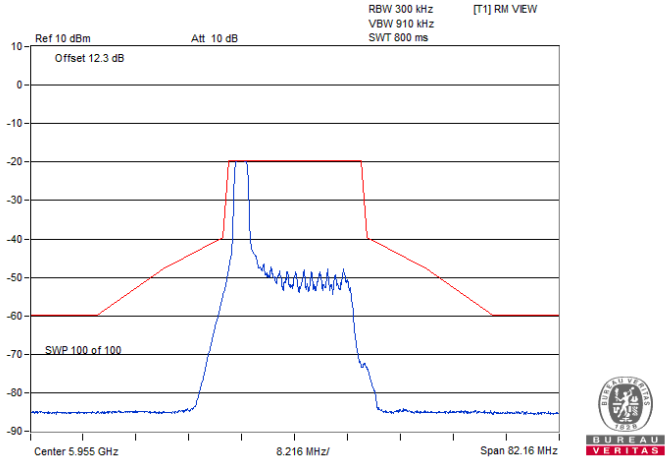
Spectrum Plot



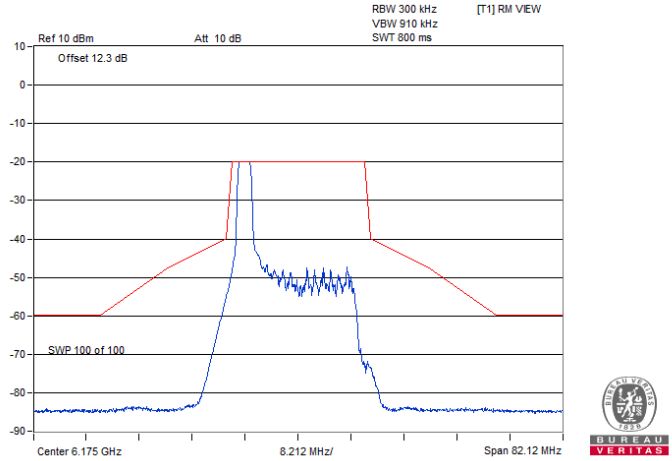
802.11be (EHT20) 26-tone RU / Chain 0 : CH 181



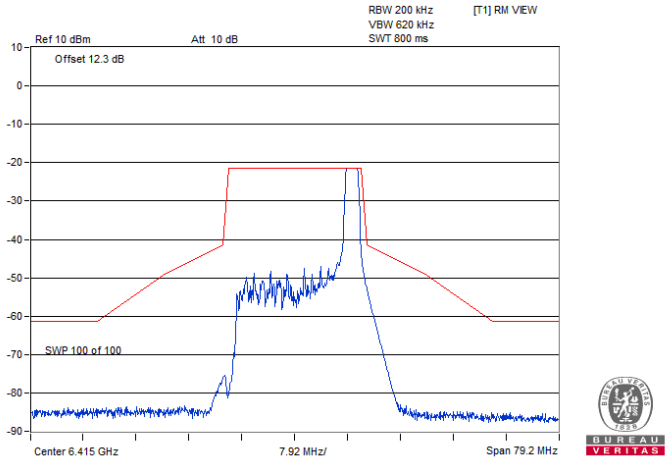
802.11be (EHT20) 26-tone RU / Chain 1 : CH 2



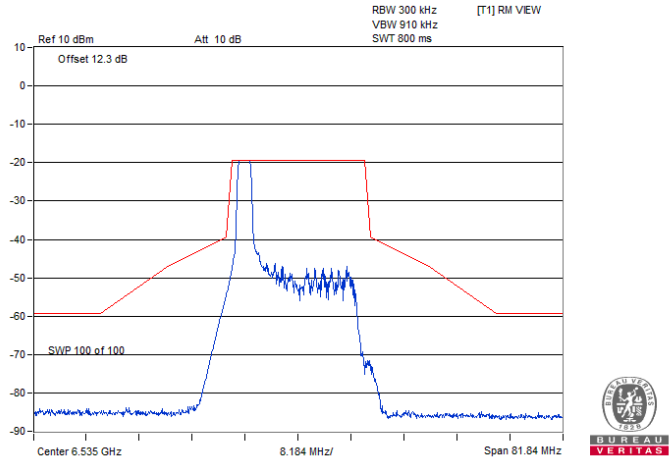
802.11be (EHT20) 26-tone RU / Chain 1 : CH 1



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

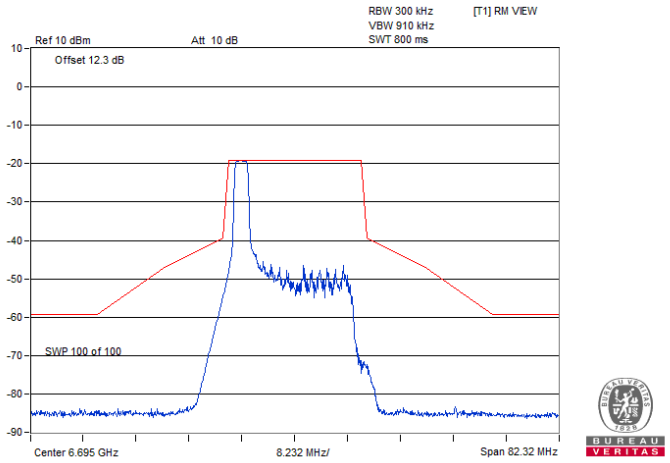


802.11be (EHT20) 26-tone RU / Chain 1 : CH 93

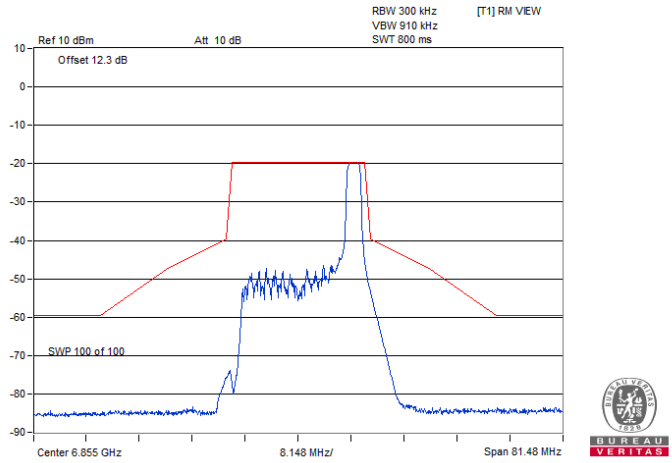


802.11be (EHT20) 26-tone RU / Chain 1 : CH 117

Spectrum Plot

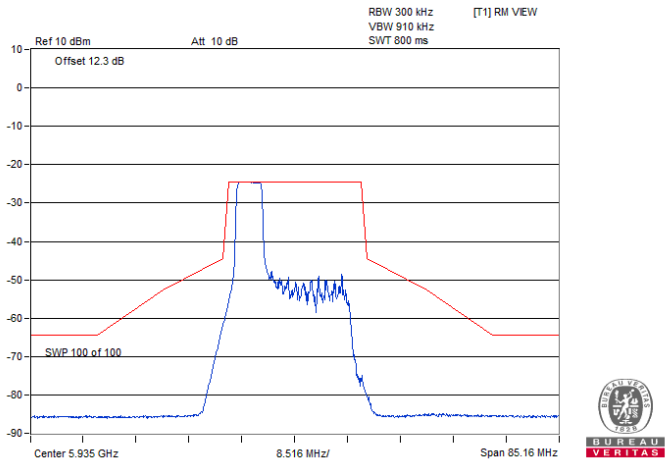
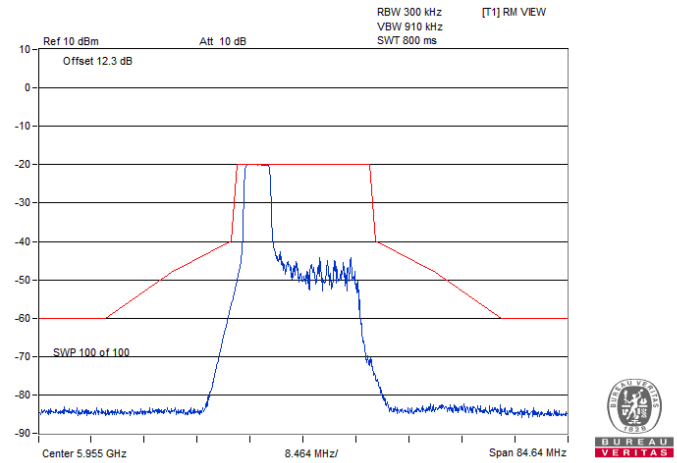
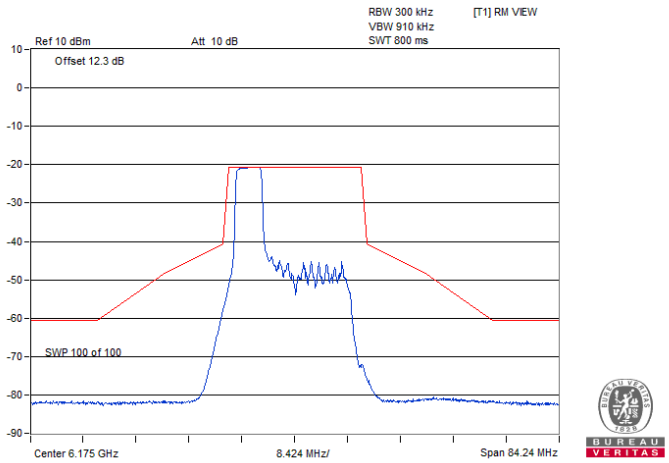
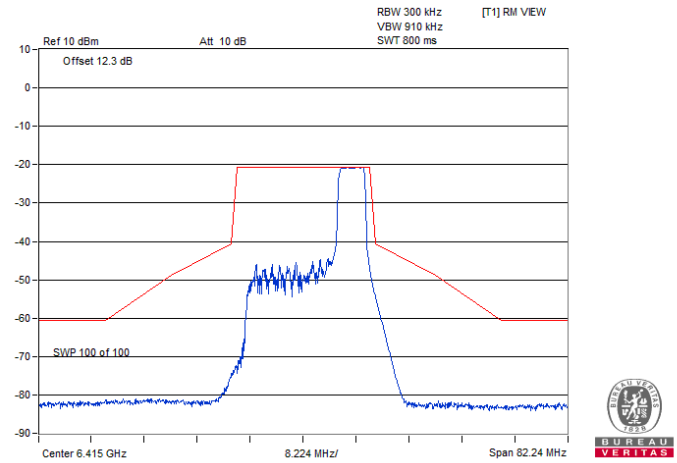
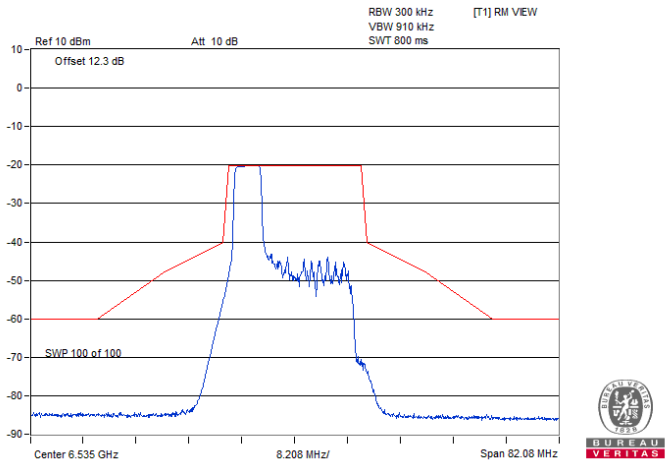
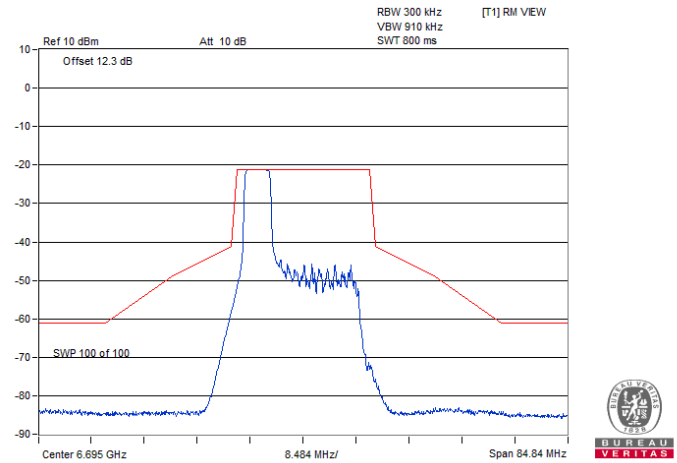


802.11be (EHT20) 26-tone RU / Chain 1 : CH 149

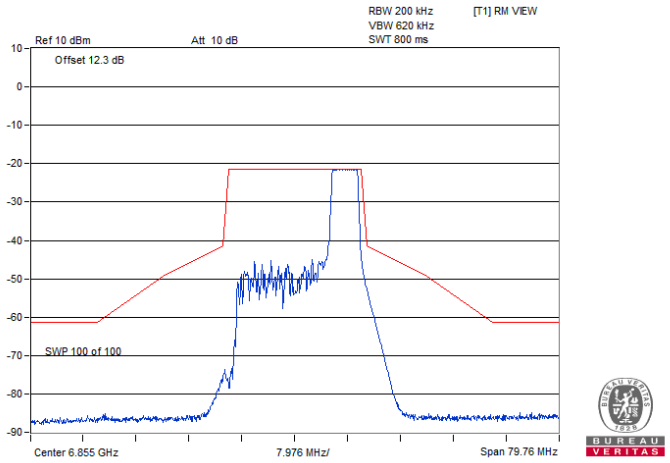


802.11be (EHT20) 26-tone RU / Chain 1 : CH 181

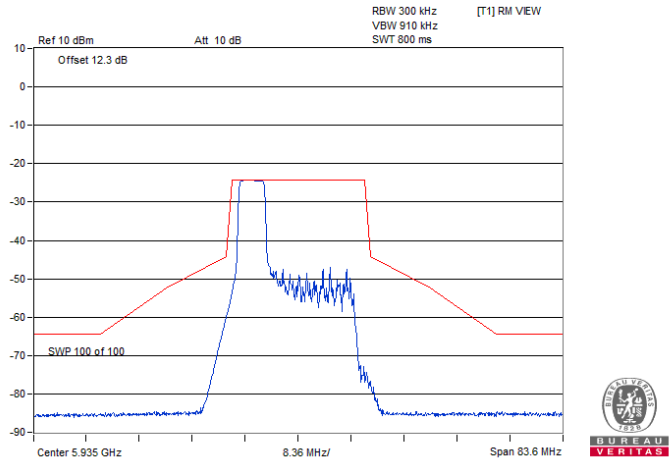
802.11be (EHT20) 52-tone RU

Spectrum Plot	
	
802.11be (EHT20) 52-tone RU / Chain 0 : CH 2	802.11be (EHT20) 52-tone RU / Chain 0 : CH 1
	
802.11be (EHT20) 52-tone RU / Chain 0 : CH 45	802.11be (EHT20) 52-tone RU / Chain 0 : CH 93
	
802.11be (EHT20) 52-tone RU / Chain 0 : CH 117	802.11be (EHT20) 52-tone RU / Chain 0 : CH 149

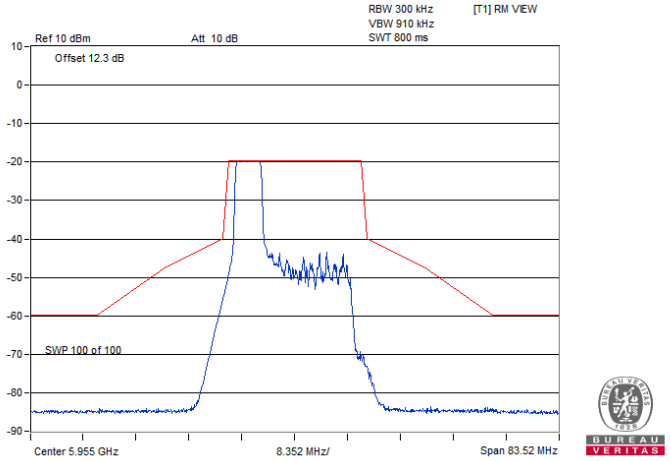
Spectrum Plot



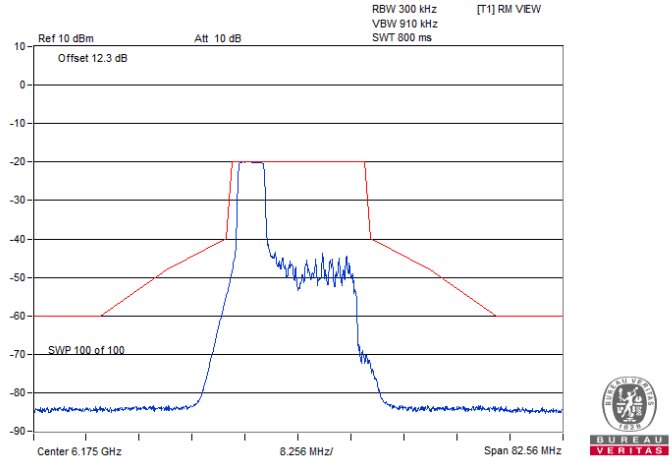
802.11be (EHT20) 52-tone RU / Chain 0 : CH 181



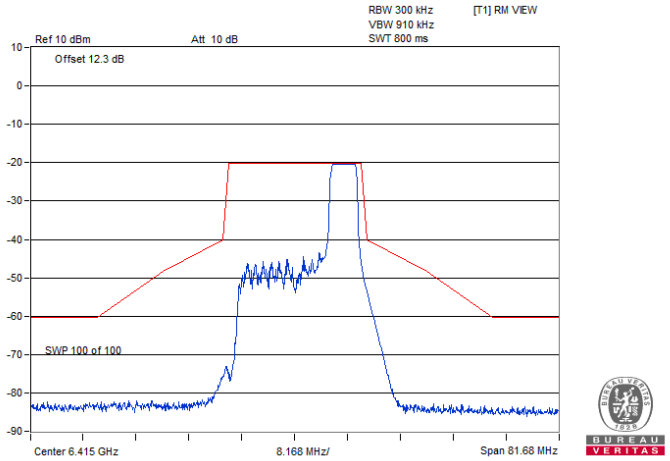
802.11be (EHT20) 52-tone RU / Chain 1 : CH 2



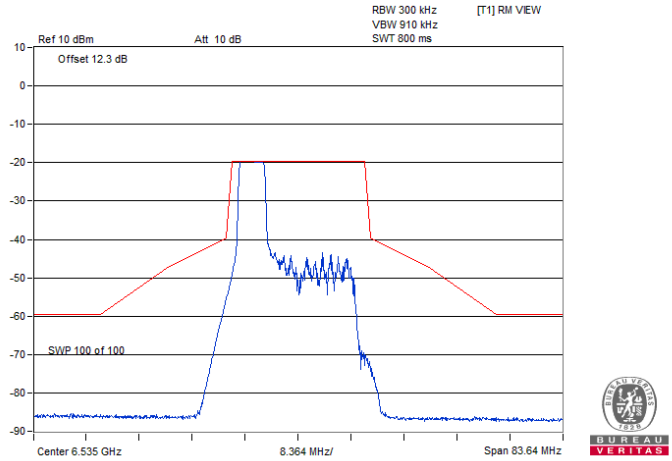
802.11be (EHT20) 52-tone RU / Chain 1 : CH 1



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

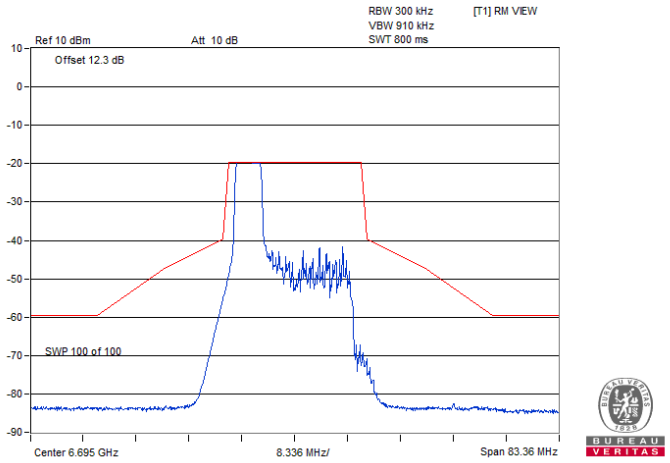


802.11be (EHT20) 52-tone RU / Chain 1 : CH 93

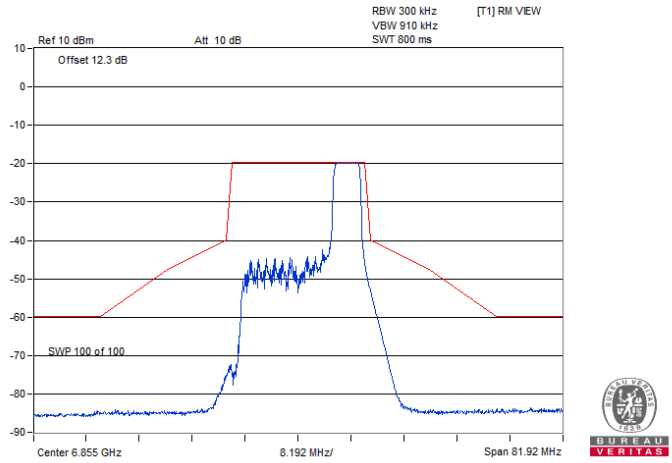


802.11be (EHT20) 52-tone RU / Chain 1 : CH 117

Spectrum Plot

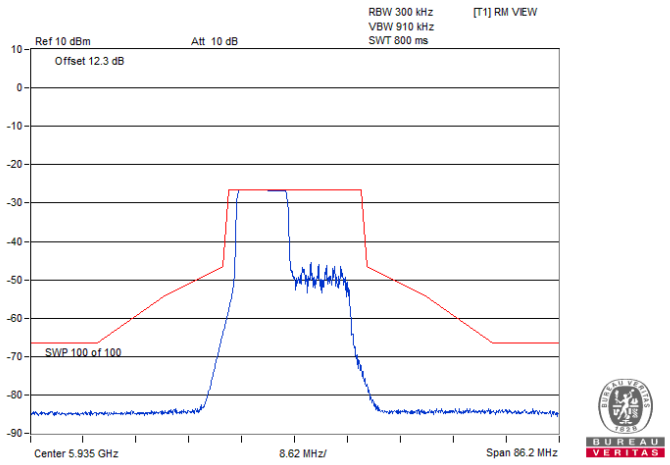
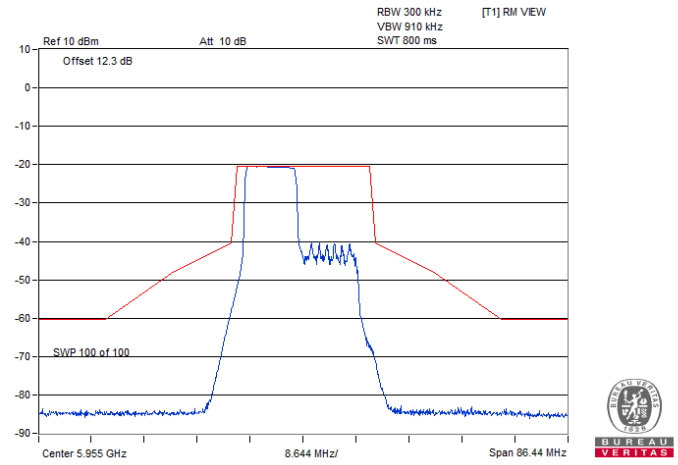
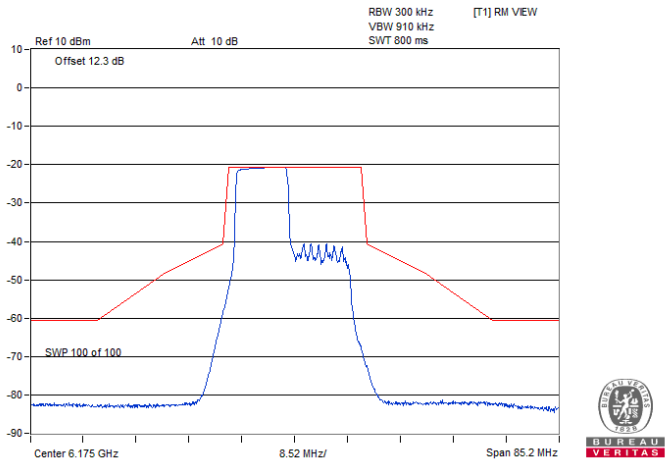
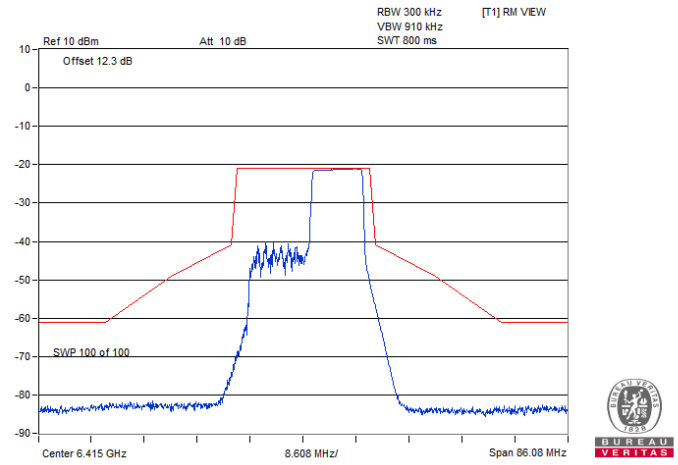
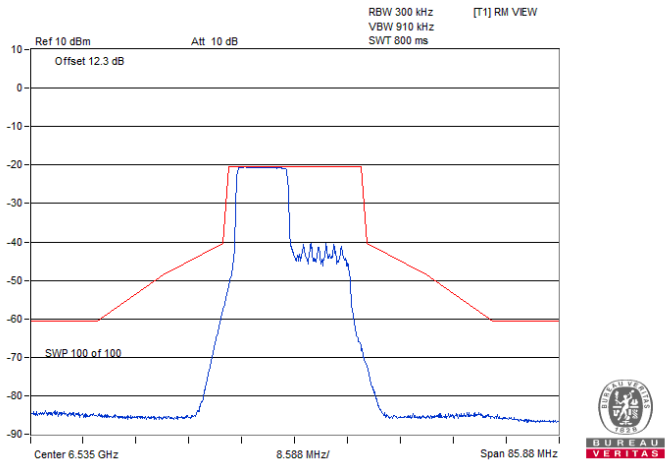
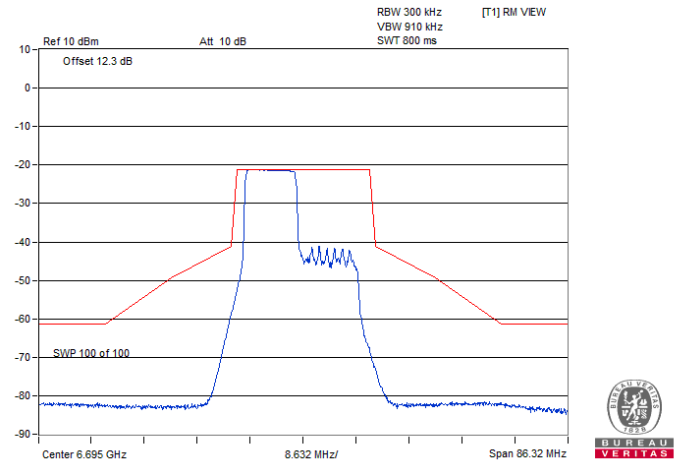


802.11be (EHT20) 52-tone RU / Chain 1 : CH 149

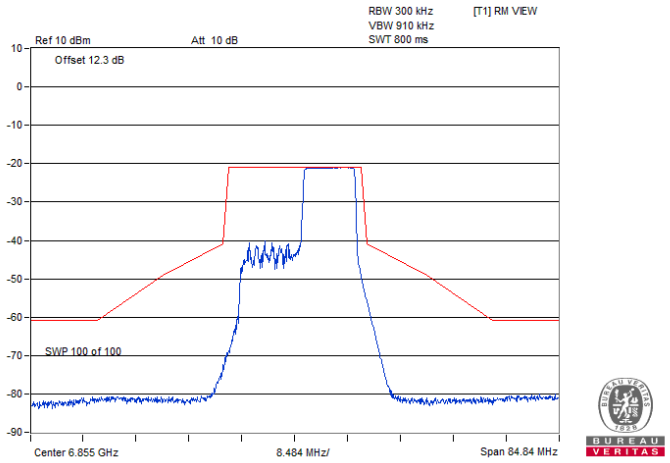


802.11be (EHT20) 52-tone RU / Chain 1 : CH 181

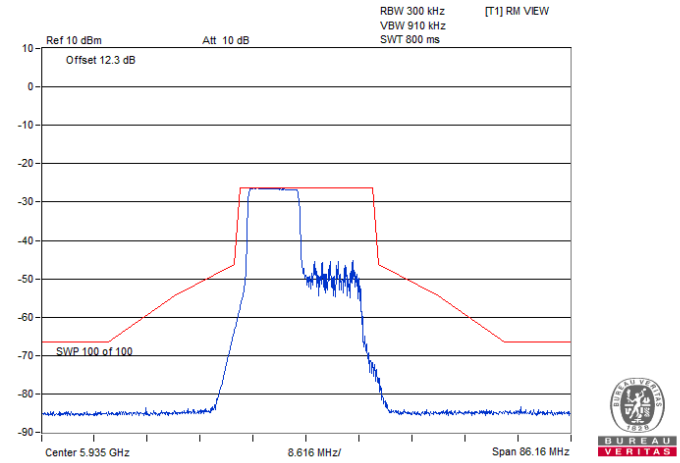
802.11be (EHT20) 106-tone RU

Spectrum Plot	
	
802.11be (EHT20) 106-tone RU / Chain 0 : CH 2	802.11be (EHT20) 106-tone RU / Chain 0 : CH 1
	
802.11be (EHT20) 106-tone RU / Chain 0 : CH 45	802.11be (EHT20) 106-tone RU / Chain 0 : CH 93
	
802.11be (EHT20) 106-tone RU / Chain 0 : CH 117	802.11be (EHT20) 106-tone RU / Chain 0 : CH 149

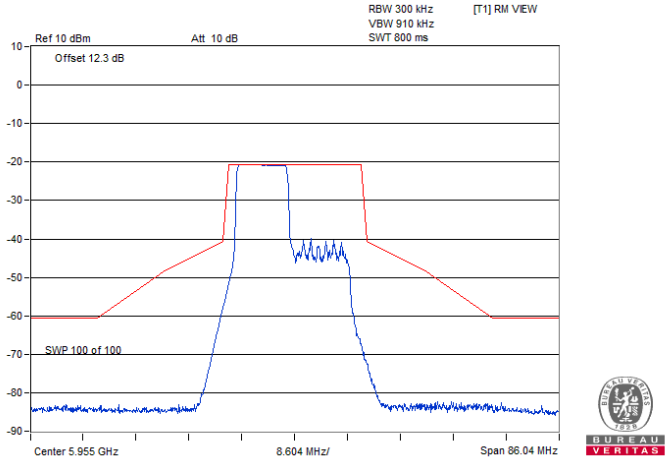
Spectrum Plot



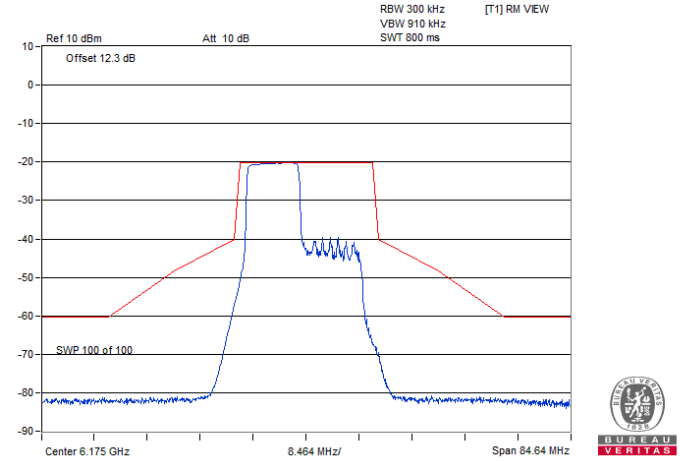
802.11be (EHT20) 106-tone RU / Chain 0 : CH 181



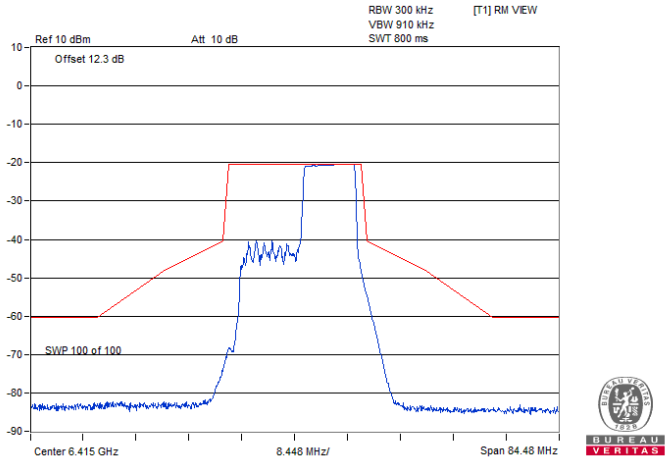
802.11be (EHT20) 106-tone RU / Chain 1 : CH 2



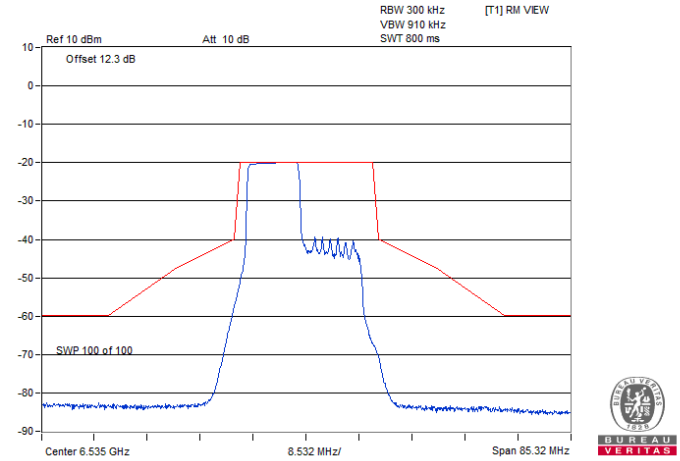
802.11be (EHT20) 106-tone RU / Chain 1 : CH 1



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

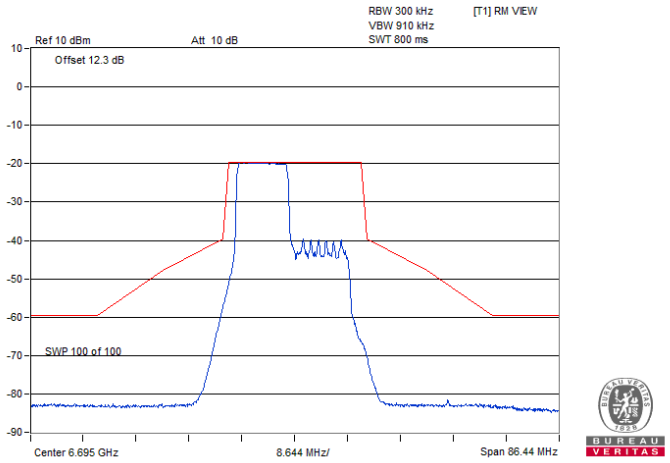


802.11be (EHT20) 106-tone RU / Chain 1 : CH 93

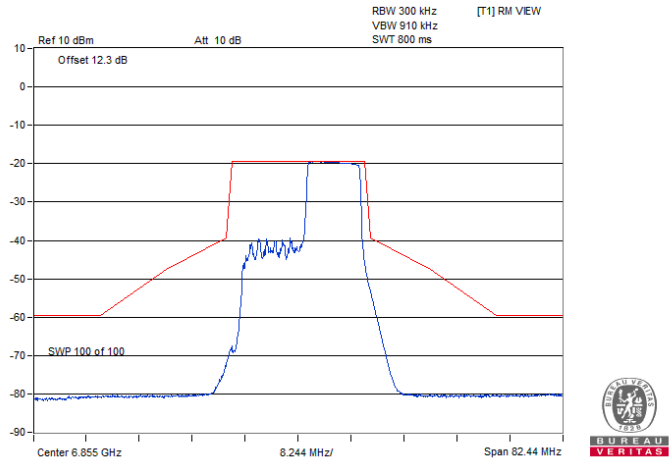


802.11be (EHT20) 106-tone RU / Chain 1 : CH 117

Spectrum Plot

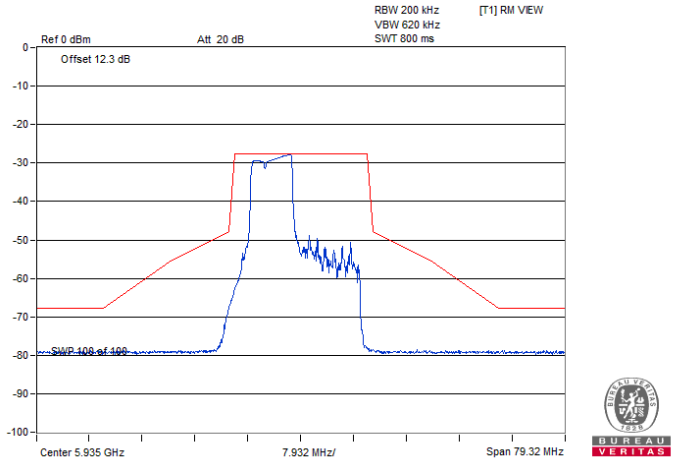
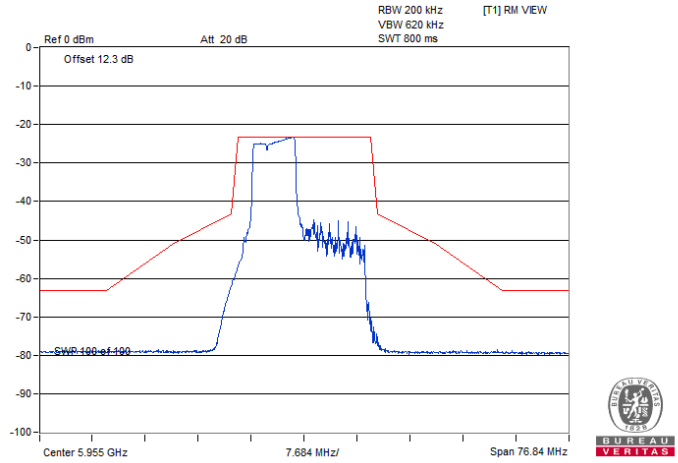
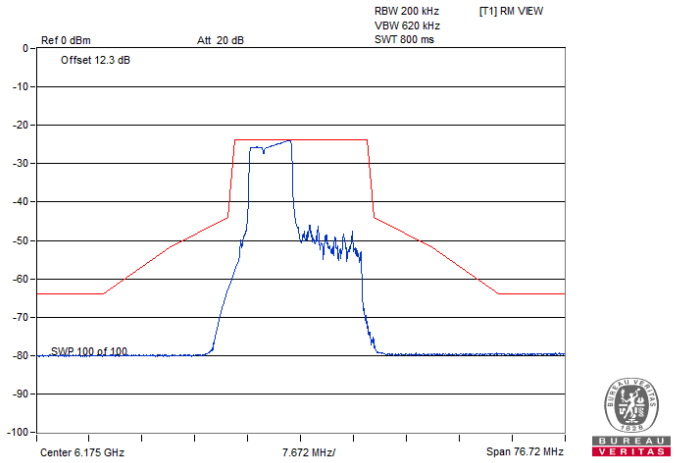
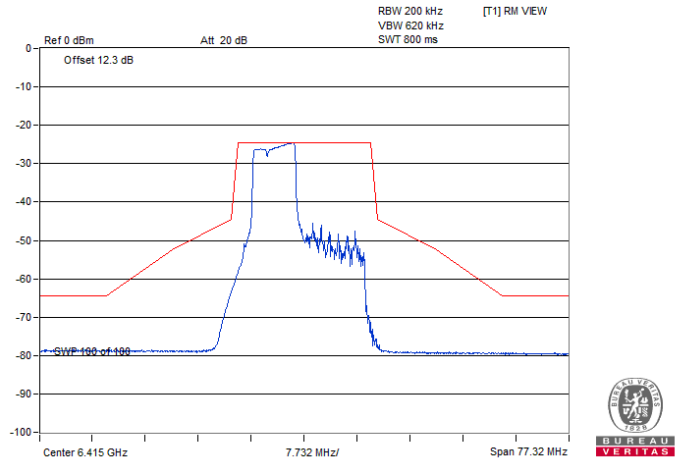
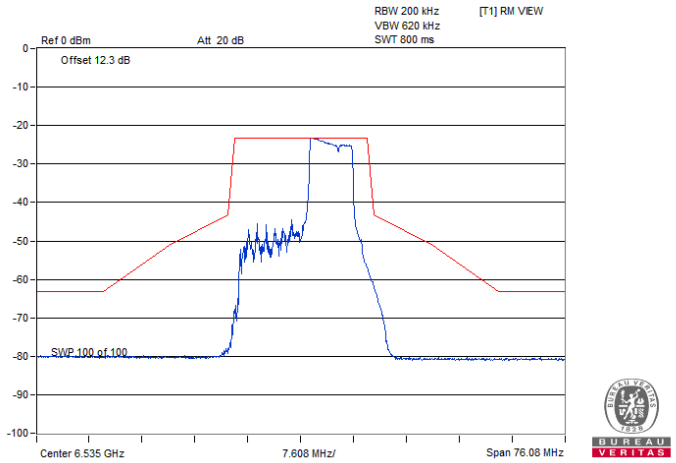
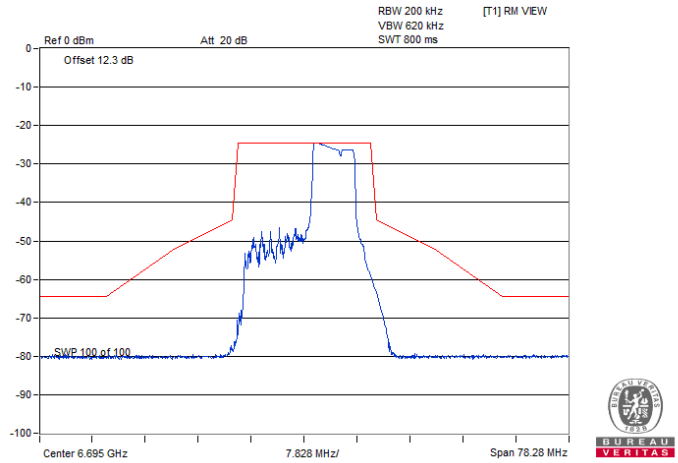


802.11be (EHT20) 106-tone RU / Chain 1 : CH 149

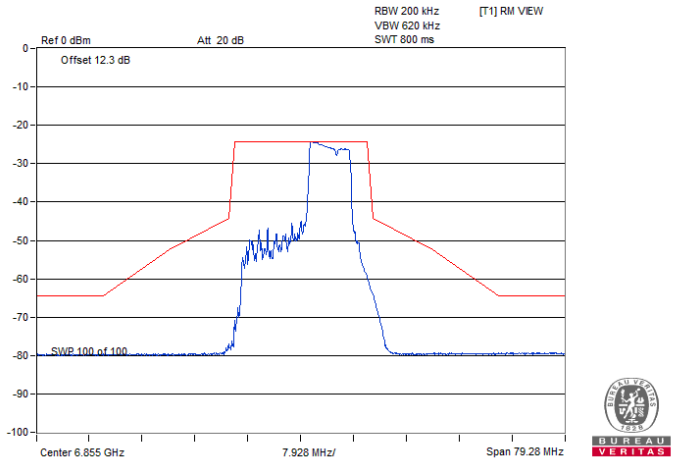


802.11be (EHT20) 106-tone RU / Chain 1 : CH 181

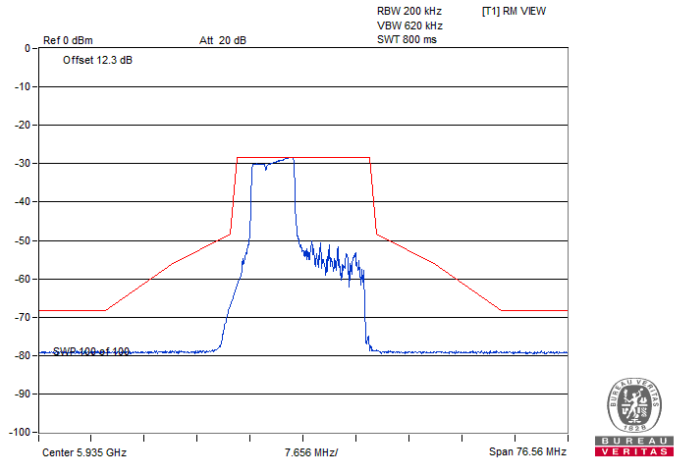
802.11be (EHT20) 52+26-tone MRU

Spectrum Plot	
	
802.11be (EHT20) 52+26-tone MRU / Chain 0 : CH 2	802.11be (EHT20) 52+26-tone MRU / Chain 0 : CH 1
	
802.11be (EHT20) 52+26-tone MRU / Chain 0 : CH 45	802.11be (EHT20) 52+26-tone MRU / Chain 0 : CH 93
	
802.11be (EHT20) 52+26-tone MRU / Chain 0 : CH 117	802.11be (EHT20) 52+26-tone MRU / Chain 0 : CH 149

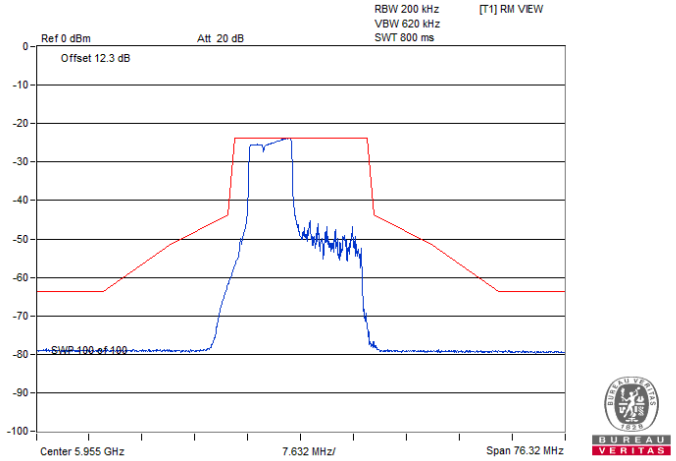
Spectrum Plot



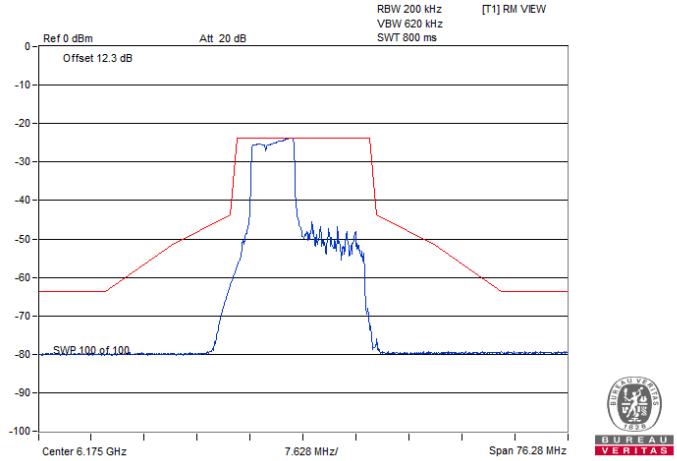
802.11be (EHT20) 52+26-tone MRU / Chain 0 : CH 181



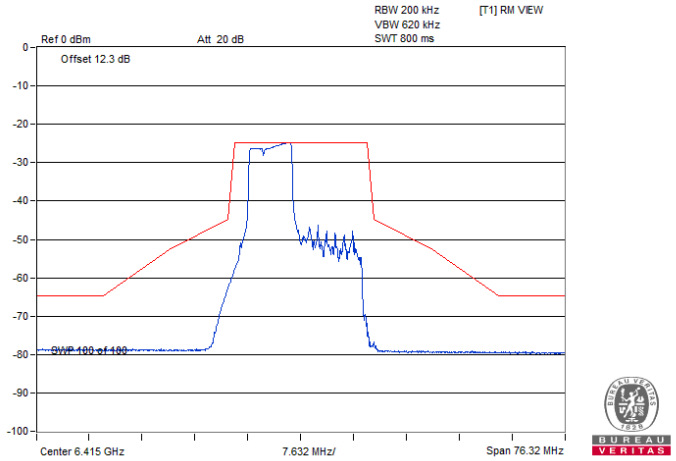
802.11be (EHT20) 52+26-tone MRU / Chain 1 : CH 2



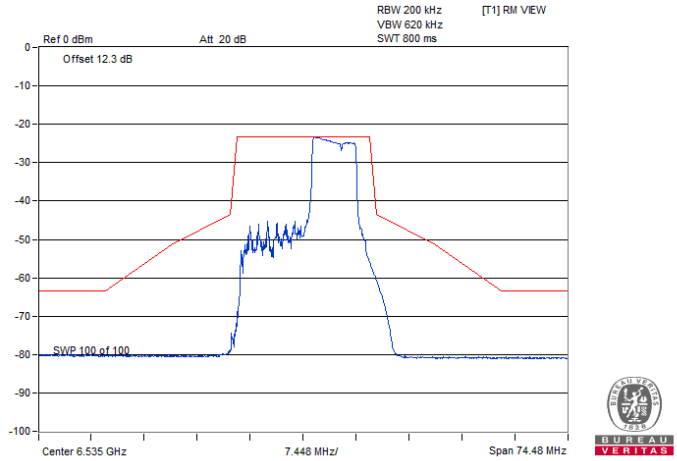
802.11be (EHT20) 52+26-tone MRU / Chain 1 : CH 1



802.11be (EHT20) 52+26-tone MRU / Chain 1 : CH 45

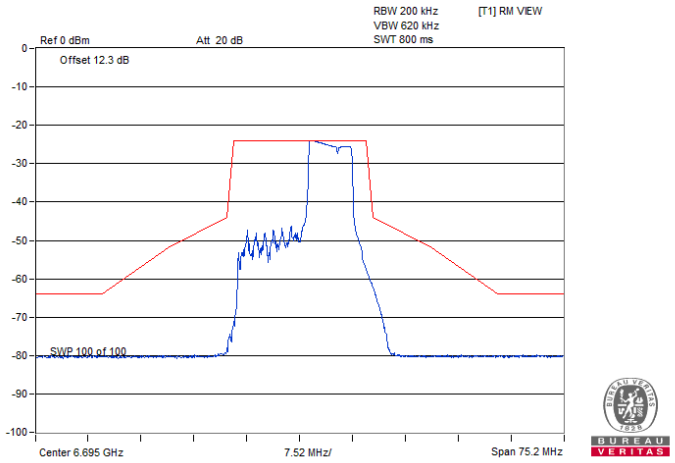


802.11be (EHT20) 52+26-tone MRU / Chain 1 : CH 93

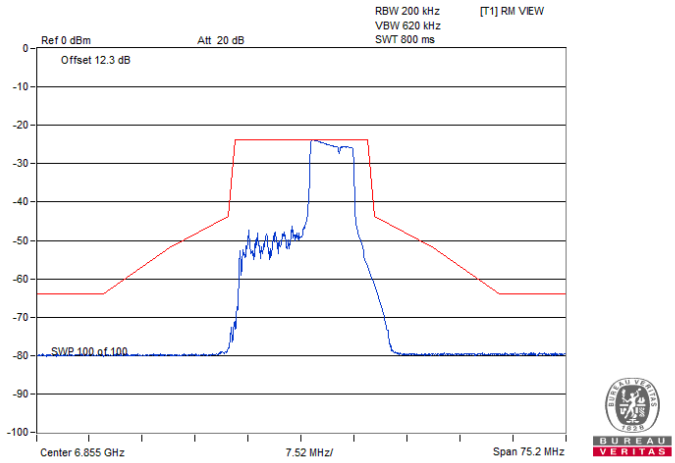


802.11be (EHT20) 52+26-tone MRU / Chain 1 : CH 117

Spectrum Plot

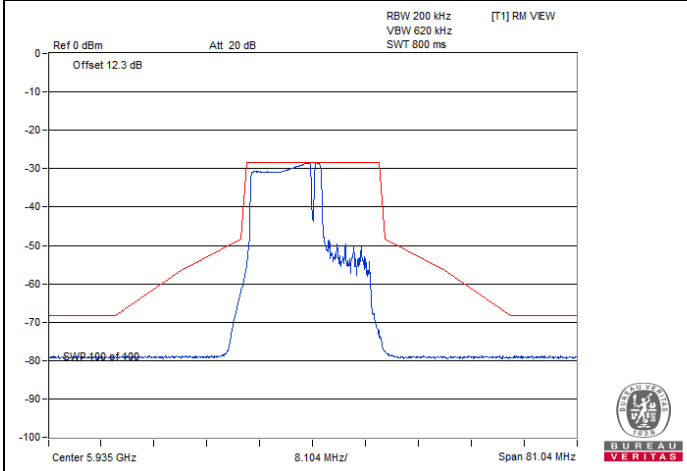
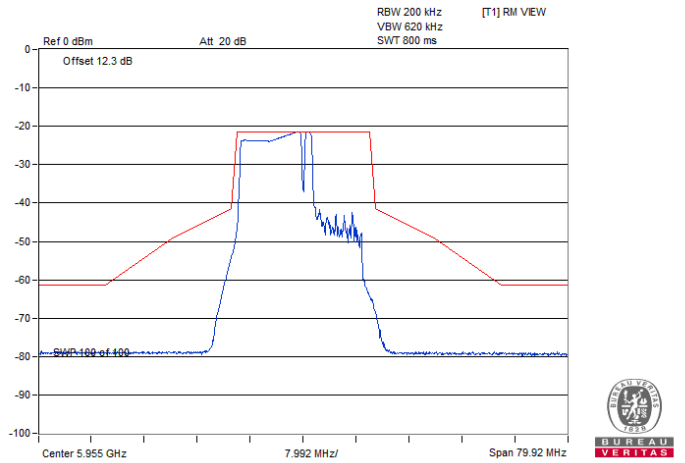
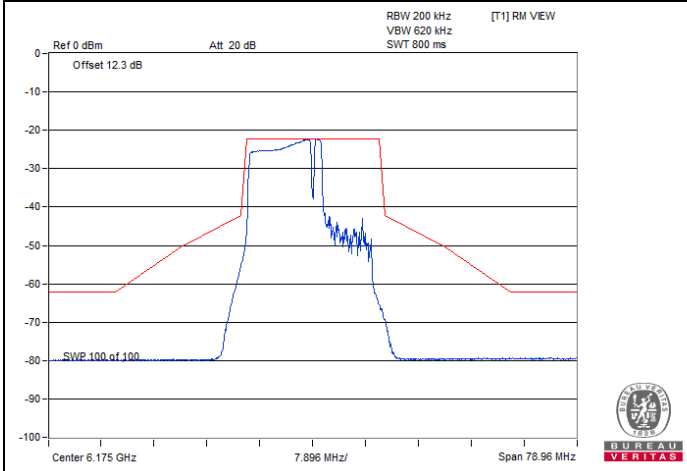
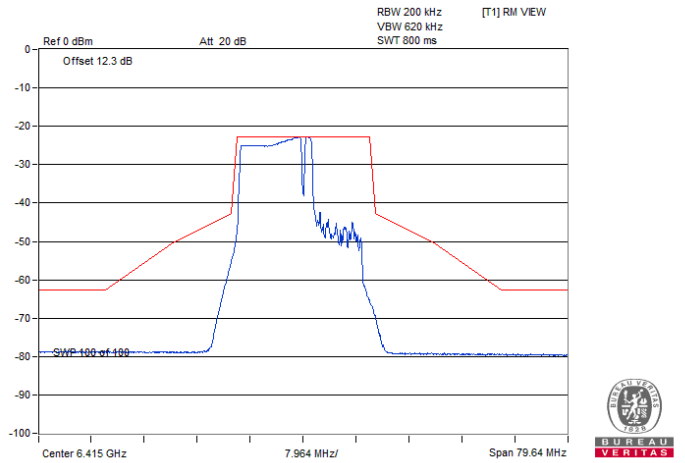
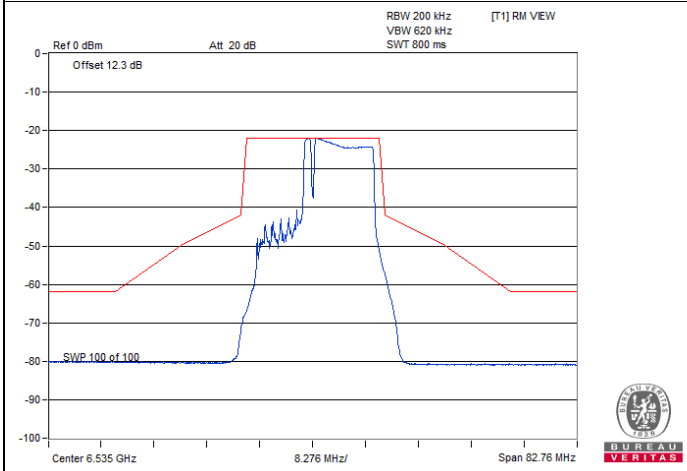
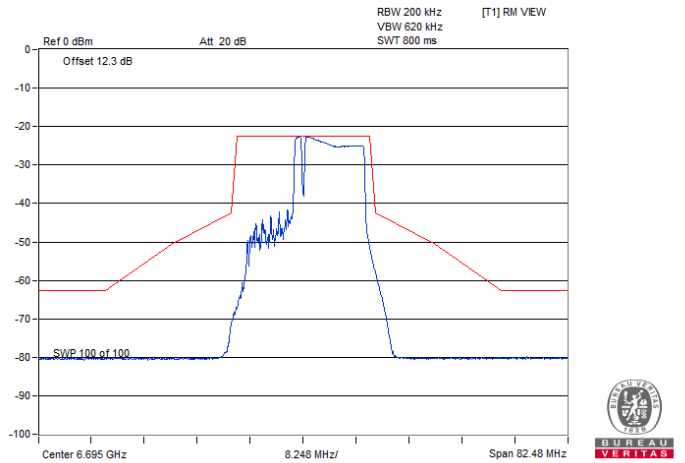


802.11be (EHT20) 52+26-tone MRU / Chain 1 : CH 149

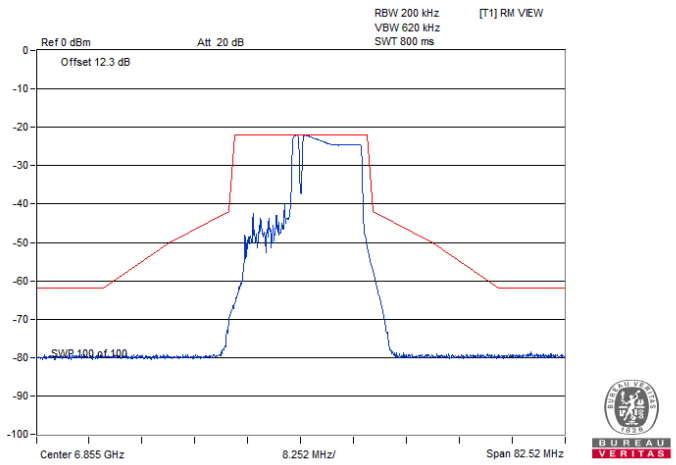


802.11be (EHT20) 52+26-tone MRU / Chain 1 : CH 181

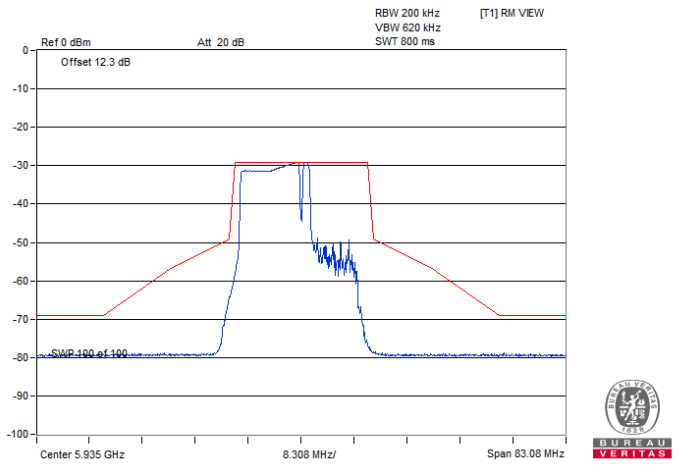
802.11be (EHT20) 106+26-tone MRU

Spectrum Plot	
	
802.11be (EHT20) 106+26-tone MRU / Chain 0 : CH 2	802.11be (EHT20) 106+26-tone MRU / Chain 0 : CH 1
	
802.11be (EHT20) 106+26-tone MRU / Chain 0 : CH 45	802.11be (EHT20) 106+26-tone MRU / Chain 0 : CH 93
	
802.11be (EHT20) 106+26-tone MRU / Chain 0 : CH 117	802.11be (EHT20) 106+26-tone MRU / Chain 0 : CH 149

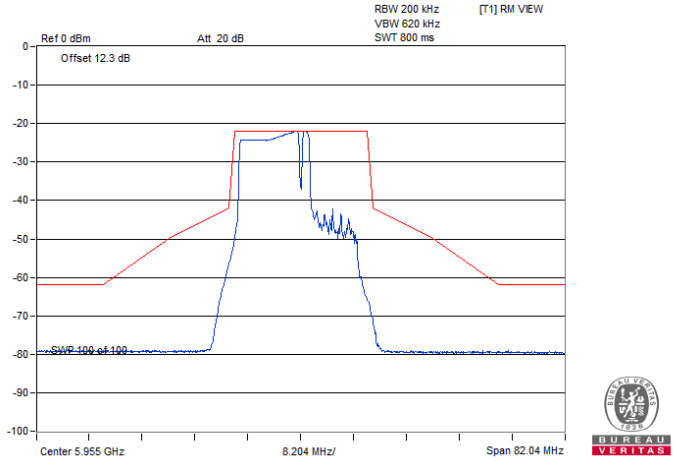
Spectrum Plot



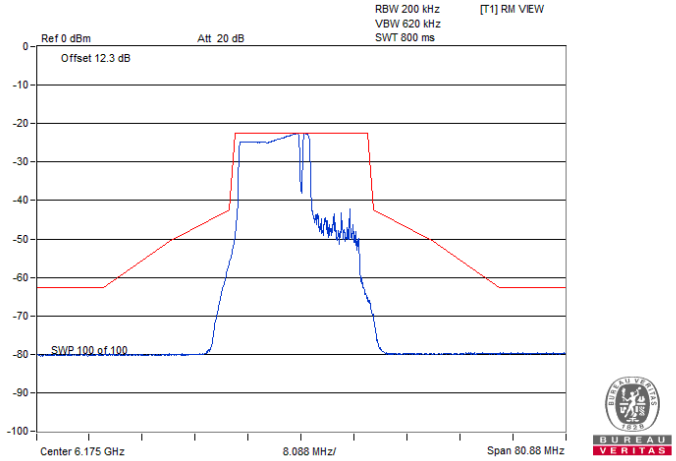
802.11be (EHT20) 106+26-tone MRU / Chain 0 : CH 181



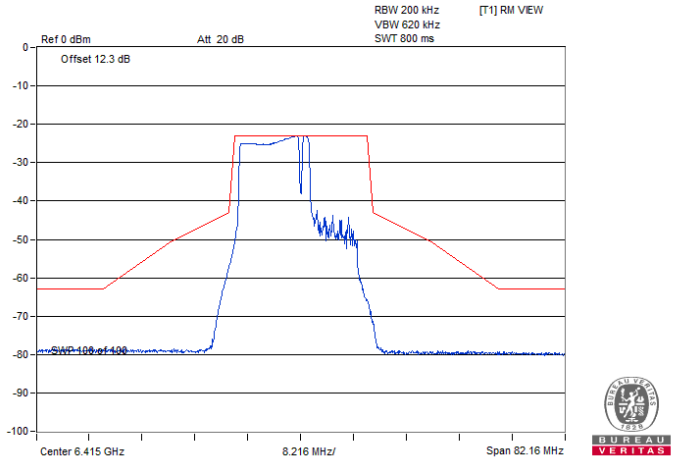
802.11be (EHT20) 106+26-tone MRU / Chain 1 : CH 2



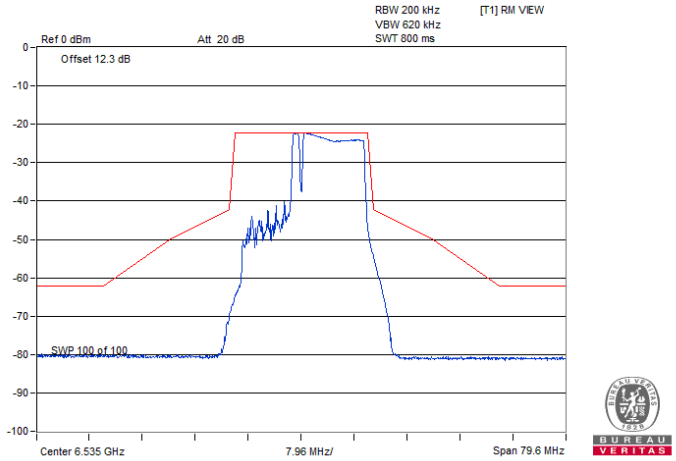
802.11be (EHT20) 106+26-tone MRU / Chain 1 : CH 1



802.11be (EHT20) 106+26-tone MRU / Chain 1 : CH 45

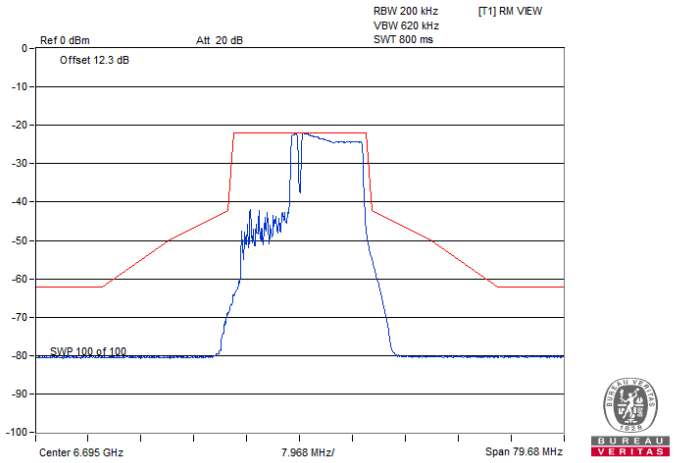


802.11be (EHT20) 106+26-tone MRU / Chain 1 : CH 93

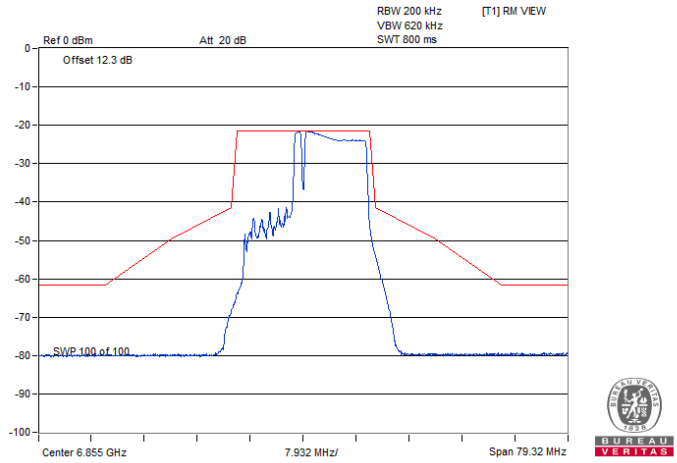


802.11be (EHT20) 106+26-tone MRU / Chain 1 : CH 117

Spectrum Plot

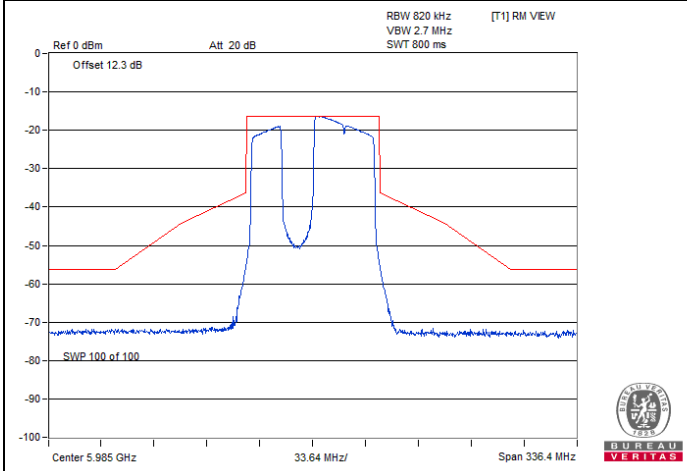
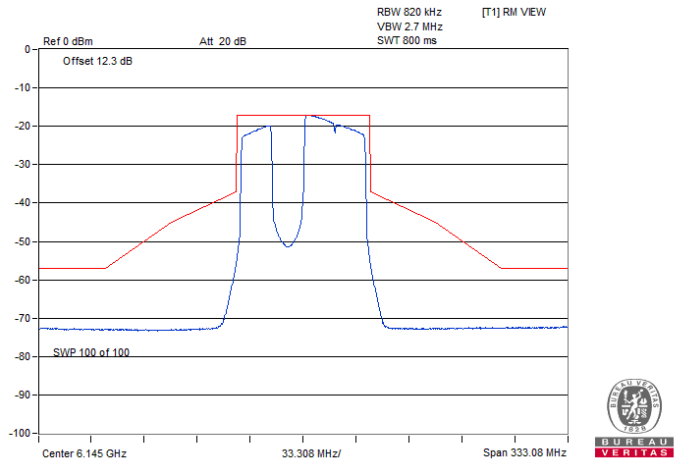
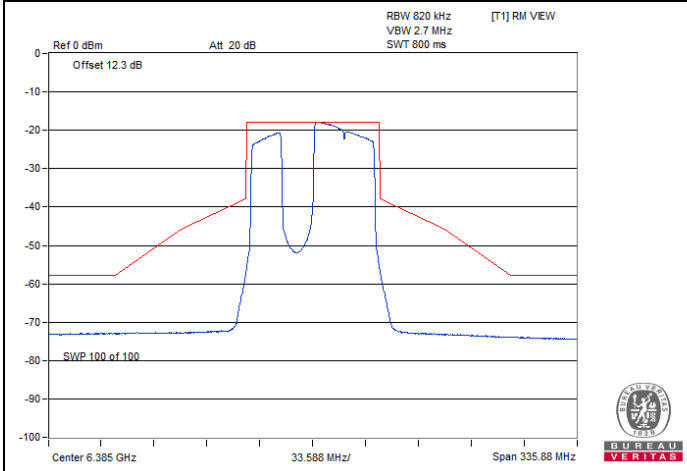
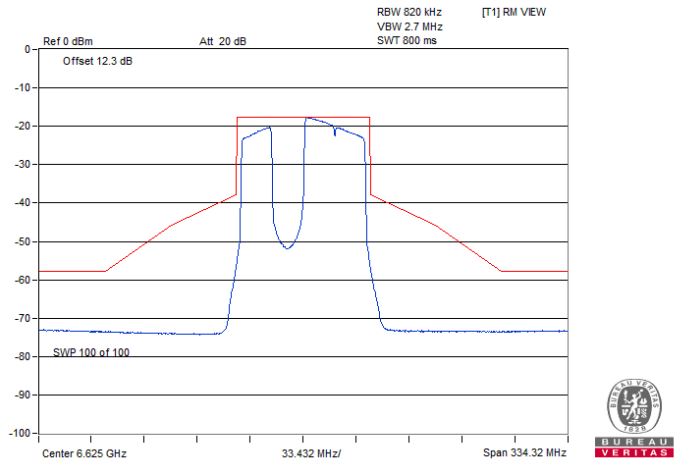
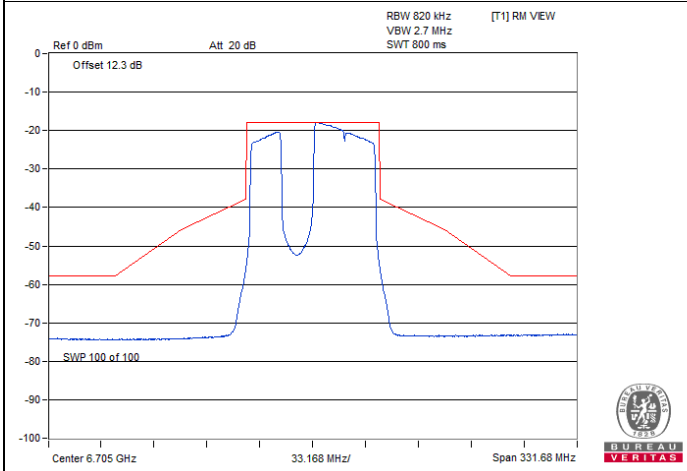
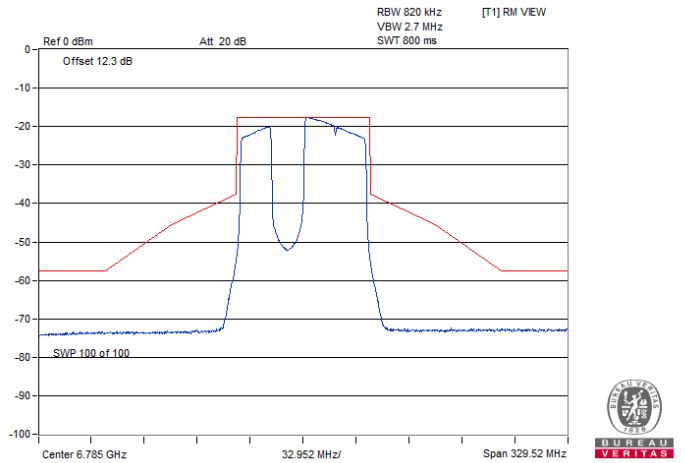


802.11be (EHT20) 106+26-tone MRU / Chain 1 : CH 149

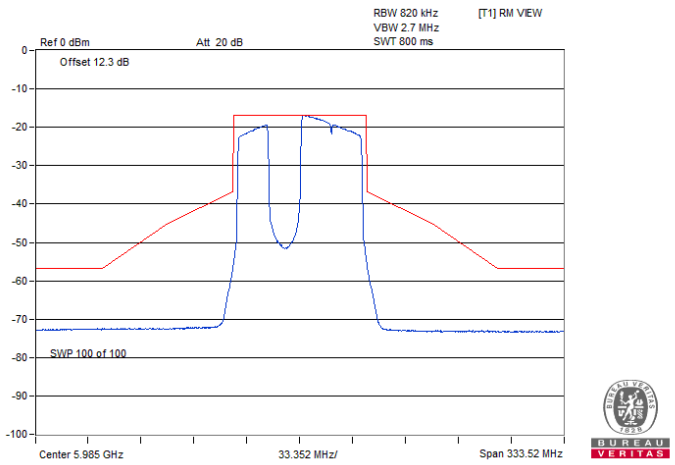


802.11be (EHT20) 106+26-tone MRU / Chain 1 : CH 181

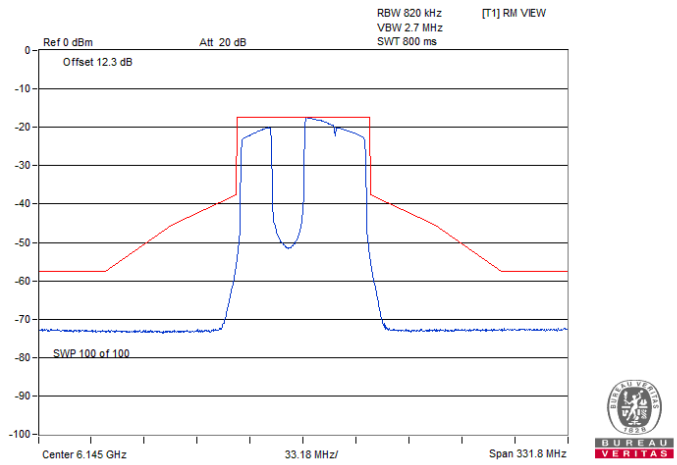
802.11be (EHT80) 484+242-tone MRU

Spectrum Plot	
	
802.11be (EHT80) 484+242-tone MRU / Chain 0 : CH 7	802.11be (EHT80) 484+242-tone MRU / Chain 0 : CH 39
	
802.11be (EHT80) 484+242-tone MRU / Chain 0 : CH 87	802.11be (EHT80) 484+242-tone MRU / Chain 0 : CH 135
	
802.11be (EHT80) 484+242-tone MRU / Chain 0 : CH 151	802.11be (EHT80) 484+242-tone MRU / Chain 0 : CH 167

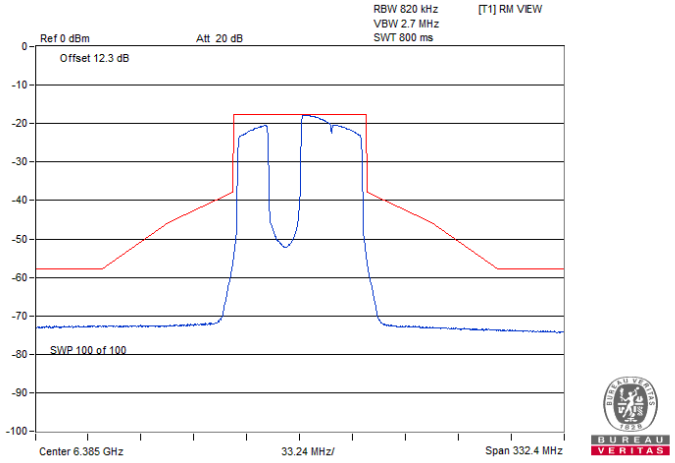
Spectrum Plot



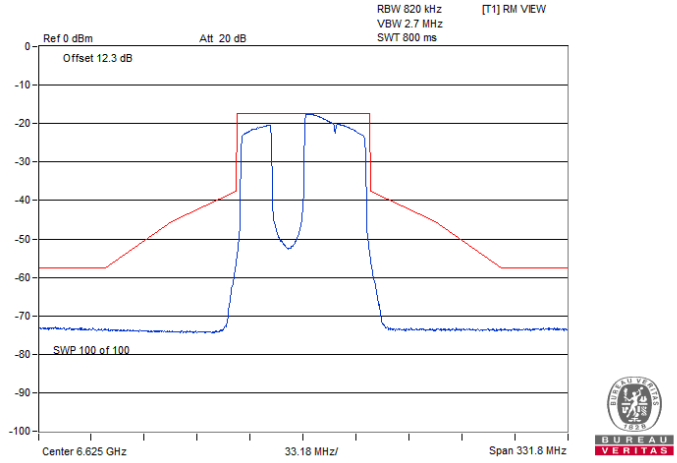
802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 7



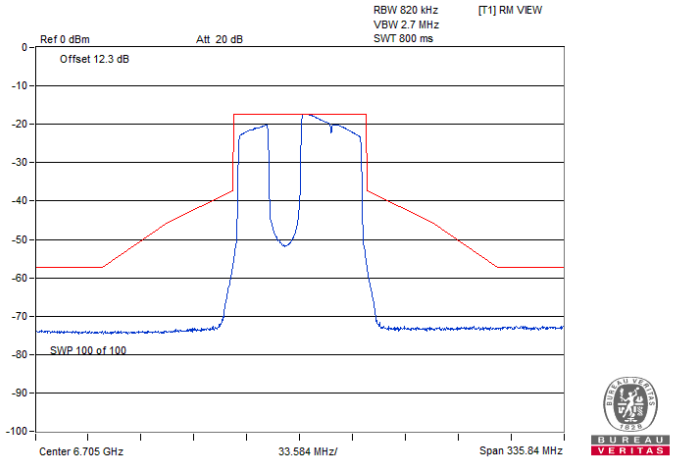
802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 39



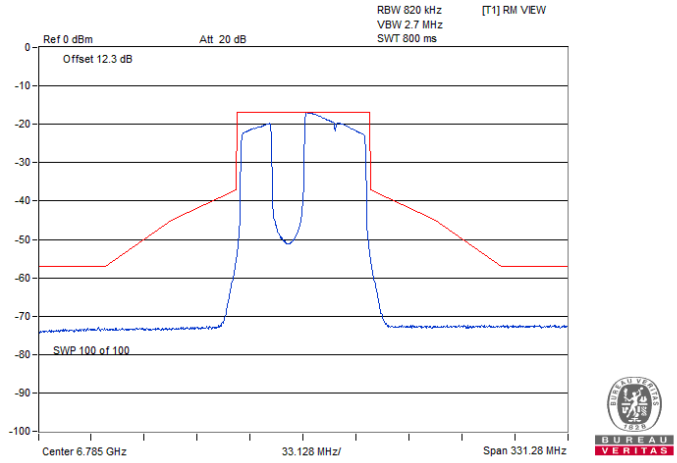
802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 87



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

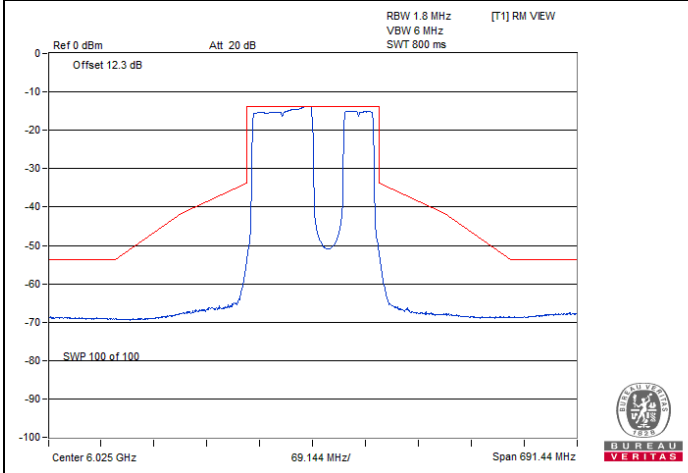
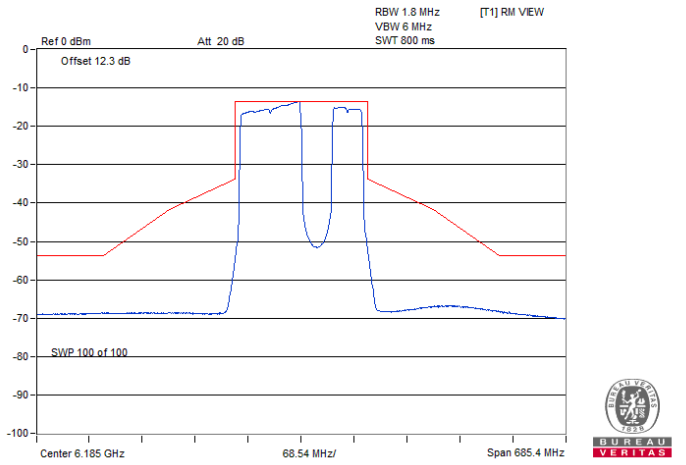
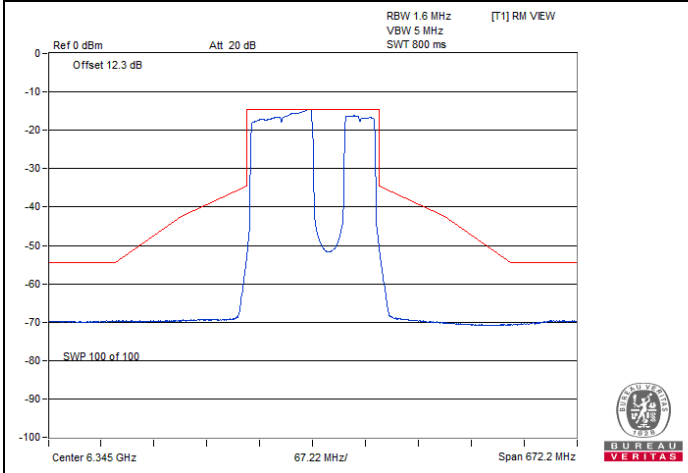
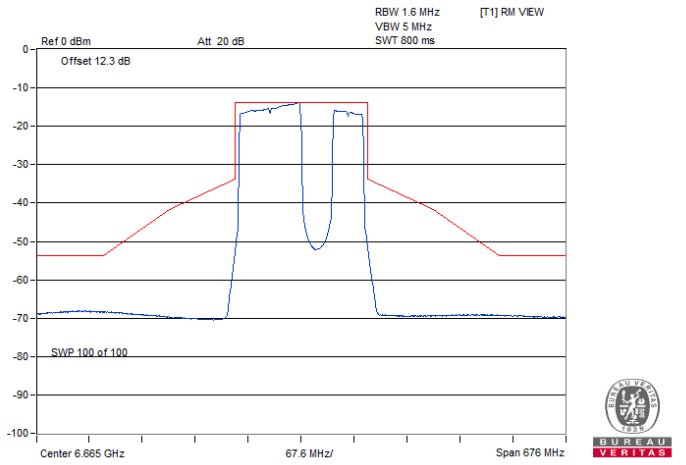
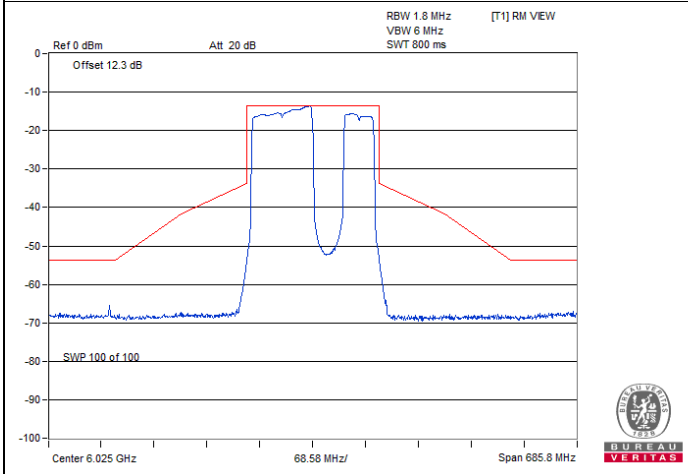
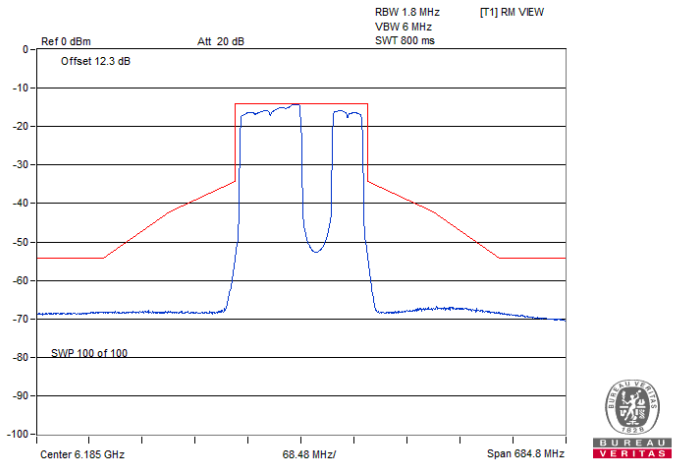


802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 151

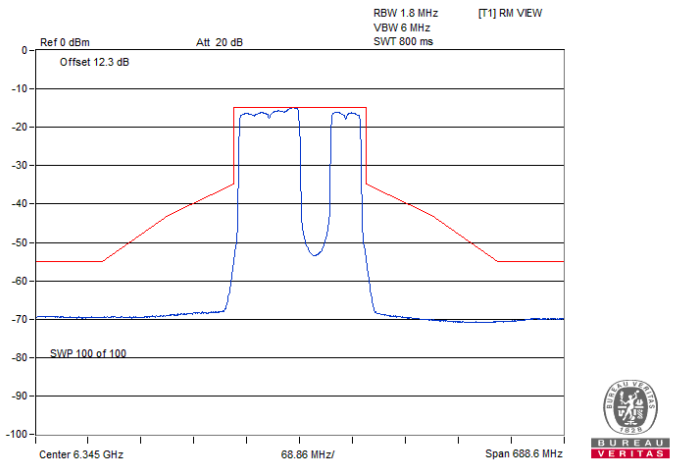


802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 167

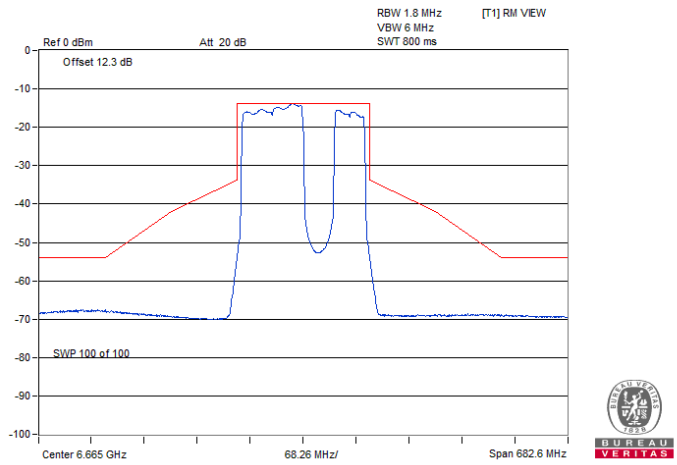
802.11be (EHT160) 996+484-tone MRU

Spectrum Plot	
	
802.11be (EHT160) 996+484-tone MRU / Chain 0 : CH 15	802.11be (EHT160) 996+484-tone MRU / Chain 0 : CH 47
	
802.11be (EHT160) 996+484-tone MRU / Chain 0 : CH 79	802.11be (EHT160) 996+484-tone MRU / Chain 0 : CH 143
	
802.11be (EHT160) 996+484-tone MRU / Chain 1 : CH 15	802.11be (EHT160) 996+484-tone MRU / Chain 1 : CH 47

Spectrum Plot

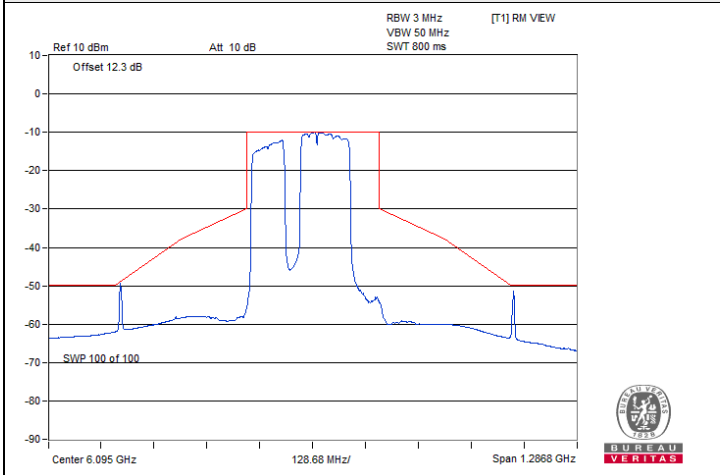
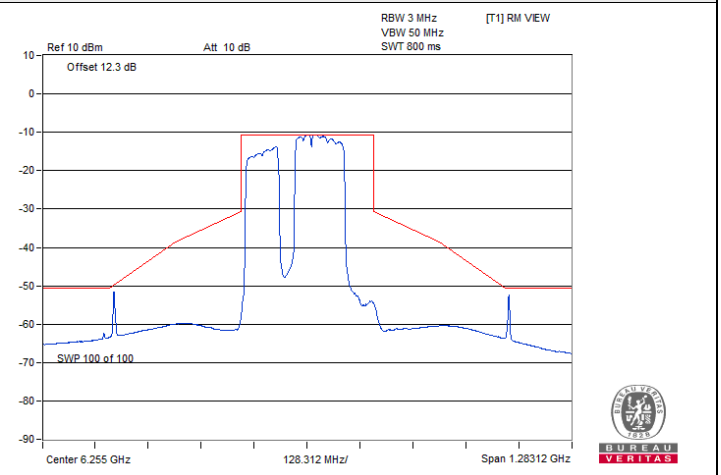
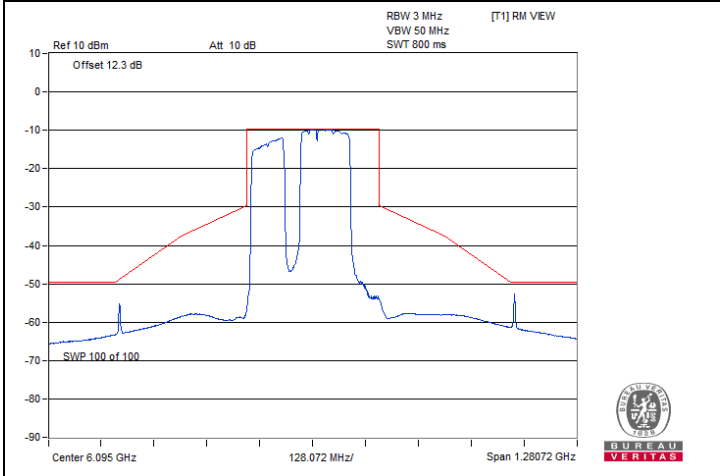
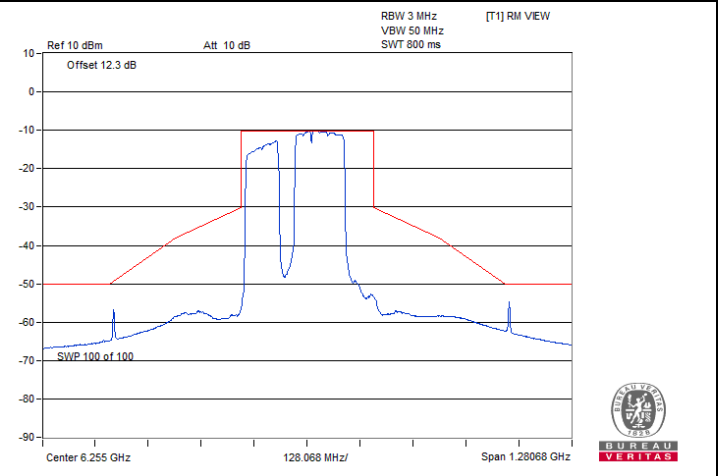


802.11be (EHT160) 996+484-tone MRU / Chain 1 : CH 79

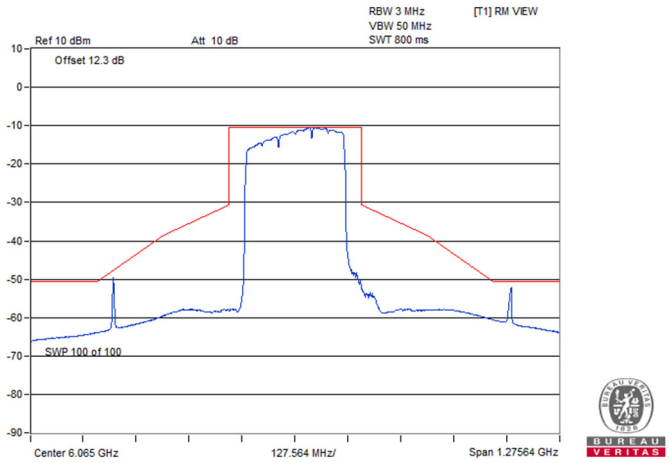
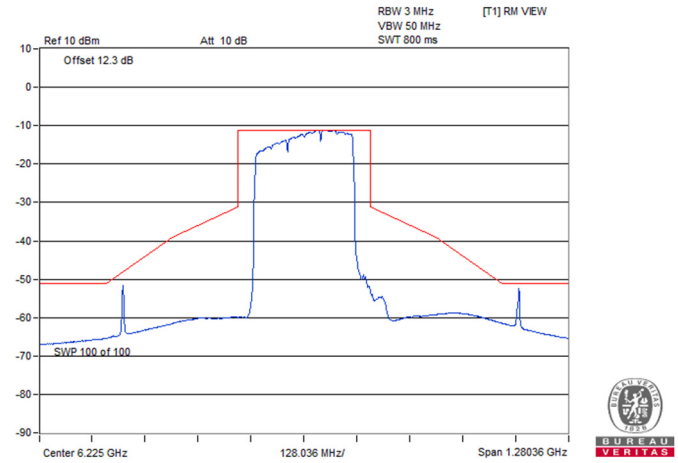
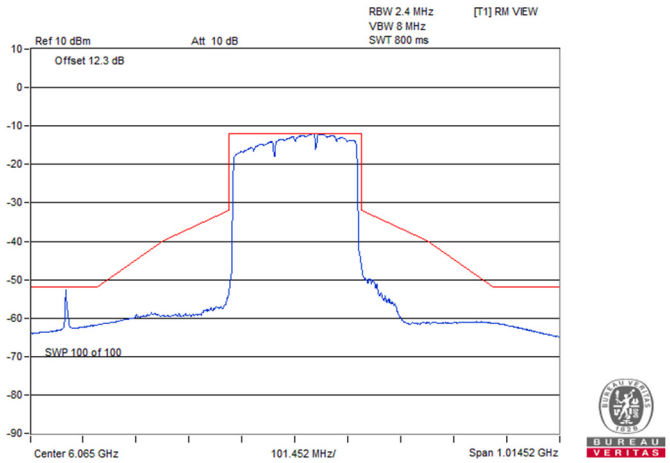
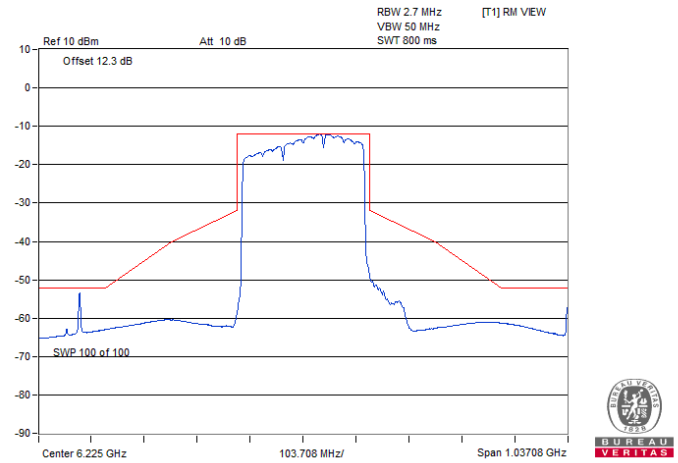


802.11be (EHT160) 996+484-tone MRU / Chain 1 : CH 143

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

Spectrum Plot	
	
802.11be (EHT320) 2x996+484-tone MRU / Chain 0 : CH 31	802.11be (EHT320) 2x996+484-tone MRU / Chain 0 : CH 63
	
802.11be (EHT320) 2x996+484-tone MRU / Chain 1 : CH 31	802.11be (EHT320) 2x996+484-tone MRU / Chain 1 : CH 63

802.11be (EHT320) 3x996-tone MRU

Spectrum Plot	
	
802.11be (EHT320) 3x996-tone MRU / Chain 0 : CH 31	802.11be (EHT320) 3x996-tone MRU / Chain 0 : CH 63
	
802.11be (EHT320) 3x996-tone MRU / Chain 1 : CH 31	802.11be (EHT320) 3x996-tone MRU / Chain 1 : CH 63