

TEST REPORT

CERTIFICATE OF CONFORMITY

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

Report No.: RFBAOZ-WTW-P25060017A-4

FCC ID: U4Y-LX-7200

Product: LANCOM LX-7200 2x2x2 Indoor 11be AP

Brand: LANCOM

Model No.: LANCOM LX-7200

Received Date: 2025/12/8

Test Date: 2026/1/6 ~ 2026/3/10

Issued Date: 2026/3/31

Applicant: LANCOM Systems GmbH

Address: Adenauerstraße 20 / B2, 52146 Wuerselen, Germany

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories

Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

Test Location: (1) No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan
(2) No. 70, Wenming Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

FCC Registration / (1) 788550 / TW0003

Designation Number: (2) 281270 / TW0032

Approved by: Jeremy Lin, **Date:** 2026/3/31
Jeremy Lin / Project Engineer

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Prepared by : Vera Huang / Specialist



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Release Control Record

Issue No.	Description	Date Issued
RFBAOZ-WTW-P25060017A-4	Original Release	2026/3/31

1 Certificate

Product: LANCOM LX-7200 2x2x2 Indoor 11be AP

Brand: LANCOM

Test Model: LANCOM LX-7200

Sample Status: Engineering sample

Applicant: LANCOM Systems GmbH

Test Date: 2026/1/6 ~ 2026/3/10

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

Measurement ANSI C63.10-2020

procedure: KDB 987594 D02 U-NII 6 GHz EMC Measurement v03

KDB 789033 D02 General UNII Test Procedure New Rules v02r01

KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(5)	Maximum RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(5)	Maximum Power Spectral Density	Pass	Meet the requirement of limit.
15.407(a)(11)	Emission Bandwidth	Pass	Meet the requirement of limit.
---	Occupied Bandwidth	-	Reference only.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -15.33 dB at 0.40180 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -6.6 dB at 407.33 MHz
15.407(b)(6) 15.407(b)(10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.4 dB at 7125.00 MHz
15.407(b)(7)	In-Band Emission Mask	Pass	Meet the requirement of limit.
15.407(d)(6)	Contention-based Protocol	Pass	Meet the requirement of limit.
15.203	Antenna Requirement	Pass	Antenna connector is ipex(MHF) not a standard connector.

Notes:

1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. 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) (±)
Occupied Bandwidth	-	72 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.88 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3 dB
	30 MHz ~ 1 GHz	2.93 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	1.76 dB
	18 GHz ~ 40 GHz	1.77 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	LANCOM LX-7200 2x2x2 Indoor 11be AP
Brand	LANCOM
Test Model	LANCOM LX-7200
Status of EUT	Engineering sample
Power Supply Rating	12 Vdc from adapter or 56 Vdc from PoE Adapter
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM for OFDMA in 11ax mode 4096QAM for OFDMA in 11be mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	Up to 5764.7 Mbps
Operating Frequency	5.955 GHz ~ 6.415 GHz 6.425 GHz ~ 6.525 GHz 6.535 GHz ~ 6.865 GHz 6.875 GHz ~ 7.115 GHz
Number of Channel	802.11a, 802.11ax (HE20), 802.11be (EHT20):59 802.11ax (HE40), 802.11be (EHT40):29 802.11ax (HE80), 802.11be (EHT80):14 802.11ax (HE160), 802.11be (EHT160):7 802.11be (EHT320):6
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	5.955 GHz ~ 6.415 GHz: EIRP: 726.106 mW (28.61 dBm) 6.425 GHz ~ 6.525 GHz: EIRP: 683.912 mW (28.35 dBm) 6.535 GHz ~ 6.865 GHz: EIRP: 758.578 mW (28.80 dBm) 6.875 GHz ~ 7.115 GHz: EIRP: 683.912 mW (28.35 dBm)
Equipment Class	6ID: 15E 6 GHz Low-power indoor access point

Note:

1. There are Bluetooth and WLAN (2.4 GHz & 5 GHz & 6 GHz) technology used for the EUT.
2. The device of WLAN (2.4 GHz), Bluetooth technology can't transmission simultaneously, it was used timely shared coexistence technology.
3. Simultaneously transmission combination.

Combination	Technology		
1	WLAN (2.4 GHz) / Bluetooth	WLAN (5 GHz)	WLAN (6 GHz)

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

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna NO.	RF Chain NO.	Brand	Model	Antenna Net Gain (dBi)	Frequency range (GHz)	Antenna Type	Connector Type	Cable length (cm)
1 A1-2G4	0	AOT	ANT-LX7200-AL03	2.49	2.4 ~ 2.5	PIFA	ipex(MHF)	15.5
2 A2-2G4	1	AOT	ANT-LX7200-AL03	3.96	2.4 ~ 2.5	PIFA	ipex(MHF)	14
3 A3-BLE	0	AOT	ANT-LX7200-AL03	7	2.4 ~ 2.5	Dipole	ipex(MHF)	6
4 A4-5GV	0	AOT	ANT-LX7200-AL03	4.19	5.15 ~ 5.25	PIFA	ipex(MHF)	11.5
				4.74	5.25 ~ 5.35			
				5.37	5.47 ~ 5.725			
				5.73	5.725 ~ 5.85			
5 A5-5GV	1	AOT	ANT-LX7200-AL03	4.52	5.15 ~ 5.25	PIFA	ipex(MHF)	17.8
				4.73	5.25 ~ 5.35			
				4.33	5.47 ~ 5.725			
				4.55	5.725 ~ 5.85			
6 A6-6GH	0	AOT	ANT-LX7200-AL03	6.6	5.925 ~ 7.125	Dipole	ipex(MHF)	18
7 A7-6GH	1	AOT	ANT-LX7200-AL03	6.7	5.925 ~ 7.125	Dipole	ipex(MHF)	9.5

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

2. The directional antenna gain, please refer to the following table:

Frequency range	Directional Gain (dBi)
2.4 ~ 2.5GHz	6.27
5.15 ~ 5.25GHz	6.8
5.25 ~ 5.35GHz	6.8
5.47 ~ 5.725GHz	7.07
5.725 ~ 5.85GHz	6.94

3. The EUT incorporates a MIMO function:

6 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11a	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	2TX	2RX
802.11ax (HE160)	2TX	2RX
802.11be (EHT20)	2TX	2RX
802.11be (EHT40)	2TX	2RX
802.11be (EHT80)	2TX	2RX
802.11be (EHT160)	2TX	2RX
802.11be (EHT320)	2TX	2RX

Note:

1. All of modulation mode support beamforming function except 802.11a modulation mode.
2. The EUT support Beamforming and CDD mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data were presented in test report.
3. The modulation and bandwidth of 802.11ax and 802.11be modes are similar at 20 MHz (40 MHz, 80 MHz, 160 MHz). Therefore, the investigated worst case is the representative mode in test report.

3.3 Channel List

U-NII-5:

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

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

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

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

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

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

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

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

2 channels are provided for 802.11be (EHT320):

Channel	Frequency	Channel	Frequency
31	6105 MHz	63	6265 MHz

U-NII-6:

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

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

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

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

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

Channel	Frequency
103	6465 MHz

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

Channel	Frequency
*111	6505 MHz

1 channel is provided for 802.11be (EHT320):

Channel	Frequency
*95	6425 MHz

U-NII-7:

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

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

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

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

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

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

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

Channel	Frequency	Channel	Frequency
143	6665 MHz	*175	6825 MHz

2 channels are provided for 802.11be (EHT320):

Channel	Frequency	Channel	Frequency
*127	6585 MHz	*159	6745 MHz

U-NII-8:

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

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

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

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

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

Channel	Frequency	Channel	Frequency
199	6945 MHz	215	7025 MHz

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

Channel	Frequency
207	6985 MHz

1 channel is provided for 802.11be (EHT320):

Channel	Frequency
*191	6905 MHz

Note: * mean these are straddle channels.

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. EUT can be used in the following ways: Ceiling / Wall Mount. Pre-scan these ways and find the worst case as a representative test condition. 2. EUT can be powered by: POE / AC Adapter. Pre-scan these modes and find the worst case as a representative test condition. 3. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
Worst Case:	1. EUT Worst Condition of placement: Wall Mount 2. EUT Worst Condition of powered: AC Adapter

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

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU Index
Maximum RF Output Power	802.11a	CDD	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	NA
	802.11be (EHT20)	Beamforming	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
	802.11be (EHT40)	Beamforming	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	NA
	802.11be (EHT80)	Beamforming	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0	NA
	802.11be (EHT160)	Beamforming	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
	802.11be (EHT320)	Beamforming	31, 63, 95, 127, 159, 191	BPSK	MCS0	NA
	802.11be (EHT80) Punctured by 20 MHz	CDD	7, 103, 183, 215	BPSK	MCS0	0x2 or 0x4, 0x2 or 0x4, 0x2 or 0x4 0x2 or 0x4 0x2 or 0x4, 0x2 or 0x4, 0x2 or 0x4 0x2 or 0x4
	802.11be (EHT160) Punctured by 20 MHz	CDD	15, 111, 143, 207	BPSK	MCS0	0x2 or 0x4 or 0x10, 0x2 or 0x4 or 0x10, 0x2 or 0x4 or 0x10 0x2 or 0x4 or 0x10 0x2 or 0x4 or 0x10, 0x2 or 0x4 or 0x10 0x2 or 0x4 or 0x10
	802.11be (EHT160) Punctured by 40 MHz	CDD	15, 111, 143, 207	BPSK	MCS0	0x0C or 0x30, 0x0C or 0x30, 0x0C or 0x30 0x30 0x0C or 0x30 0x0C or 0x30, 0x0C or 0x30 0x30 0x0C or 0x30

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU Index
Maximum RF Output Power	802.11be (EHT320) Punctured by 40 MHz	CDD	31, 95, 127, 191	BPSK	MCS0	0x000C or 0x0030 or 0x0C00 or 0x3000, 0x000C or 0x0030 or 0x0C00 or 0x3000 0x000C or 0x0030 or 0x0C00 or 0x3000 0x000C or 0x0030 or 0x0C00 or 0x3000, 0x000C or 0x0030 or 0x0C00 or 0x3000 0x000C or 0x0030 or 0x0C00 or 0x3000
	802.11be (EHT320) Punctured by 80 MHz	CDD	31, 95, 127, 191	BPSK	MCS0	0x00F0 or 0x0F00, 0x00F0 or 0x0F00 0x00F0 or 0x0F00 0x00F0 or 0x0F00, 0x00F0 or 0x0F00 0x00F0 or 0x0F00
	802.11be (EHT320) Punctured by 80+40 MHz	CDD	31, 95, 127, 191	BPSK	MCS0	0xC00F, 0xC00F 0xC00F 0xC00F, 0xC00F 0xC00F

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU Index
Maximum Power Spectral Density	802.11a	CDD	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	NA
	802.11be (EHT20)	Beamforming	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
	802.11be (EHT40)	Beamforming	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	NA
	802.11be (EHT80)	Beamforming	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0	NA
	802.11be (EHT160)	Beamforming	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
	802.11be (EHT320)	Beamforming	31, 63, 95, 127, 159, 191	BPSK	MCS0	NA
	802.11be (EHT80) Punctured by 20 MHz	CDD	7, 103, 183, 215	BPSK	MCS0	0x2 or 0x4, 0x2 or 0x4, 0x2 or 0x4 0x2 or 0x4 0x2 or 0x4, 0x2 or 0x4 0x2 or 0x4
	802.11be (EHT160) Punctured by 20 MHz	CDD	15, 111, 143, 207	BPSK	MCS0	0x2 or 0x4 or 0x10, 0x2 or 0x4 or 0x10, 0x2 or 0x4 or 0x10 0x2 or 0x4 or 0x10 0x2 or 0x4 or 0x10, 0x2 or 0x4 or 0x10 0x2 or 0x4 or 0x10
	802.11be (EHT160) Punctured by 40 MHz	CDD	15, 111, 143, 207	BPSK	MCS0	0x0C or 0x30, 0x0C or 0x30, 0x0C or 0x30 0x0C or 0x30 0x0C or 0x30, 0x0C or 0x30 0x0C or 0x30
	802.11be (EHT320) Punctured by 40 MHz	CDD	31, 95, 127, 191	BPSK	MCS0	0x000C or 0x0030 or 0x0C00 or 0x3000, 0x000C or 0x0030 or 0x0C00 or 0x3000 0x000C or 0x0030 or 0x0C00 or 0x3000 0x000C or 0x0030 or 0x0C00 or 0x3000 0x000C or 0x0030 or 0x0C00 or 0x3000 0x000C or 0x0030 or 0x0C00 or 0x3000 0x000C or 0x0030 or 0x0C00 or 0x3000
	802.11be (EHT320) Punctured by 80 MHz	CDD	31, 95, 127, 191	BPSK	MCS0	0x00F0 or 0x0F00, 0x00F0 or 0x0F00, 0x00F0 or 0x0F00 0x00F0 or 0x0F00, 0x00F0 or 0x0F00 0x00F0 or 0x0F00
	802.11be (EHT320) Punctured by 80+40 MHz	CDD	31, 95, 127, 191	BPSK	MCS0	0xC00F, 0xC00F 0xC00F 0xC00F, 0xC00F 0xC00F

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU Index
Emission Bandwidth	802.11a	CDD	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	NA
	802.11be (EHT20)	Beamforming	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
	802.11be (EHT40)	Beamforming	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	NA
	802.11be (EHT80)	Beamforming	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0	NA
	802.11be (EHT160)	Beamforming	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
	802.11be (EHT320)	Beamforming	31, 63, 95, 127, 159, 191	BPSK	MCS0	NA
	802.11be (EHT80) Punctured by 20 MHz	CDD	7, 103, 183, 215	BPSK	MCS0	0x2 or 0x4 0x2 or 0x4 0x2 or 0x4 0x2 or 0x4
	802.11be (EHT160) Punctured by 20 MHz	CDD	15, 111, 143, 207	BPSK	MCS0	0x2 or 0x4 or 0x10 0x2 or 0x4 or 0x10 0x2 or 0x4 or 0x10 0x2 or 0x4 or 0x10
	802.11be (EHT160) Punctured by 40 MHz	CDD	15, 111, 143, 207	BPSK	MCS0	0x0C or 0x30 0x0C or 0x30 0x0C or 0x30 0x0C or 0x30
	802.11be (EHT320) Punctured by 40 MHz	CDD	31, 95, 127, 191	BPSK	MCS0	0x000C or 0x0030 or 0x0C00 or 0x3000 0x000C or 0x0030 or 0x0C00 or 0x3000 0x000C or 0x0030 or 0x0C00 or 0x3000
	802.11be (EHT320) Punctured by 80 MHz	CDD	31, 95, 127, 191	BPSK	MCS0	0x00F0 or 0x0F00 0x00F0 or 0x0F00 0x00F0 or 0x0F00 0x00F0 or 0x0F00
	802.11be (EHT320) Punctured by 80+40 MHz	CDD	31, 95, 127, 191	BPSK	MCS0	0xC00F, 0xC00F 0xC00F 0xC00F, 0xC00F 0xC00F

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU Index
In-Band Emission Mask	802.11a	CDD	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	NA
	802.11be (EHT20)	Beamforming	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
	802.11be (EHT40)	Beamforming	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	NA
	802.11be (EHT80)	Beamforming	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0	NA
	802.11be (EHT160)	Beamforming	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
	802.11be (EHT320)	Beamforming	31, 63, 95, 127, 159, 191	BPSK	MCS0	NA
	802.11be (EHT80) Punctured by 20 MHz	CDD	7, 103, 183, 215	BPSK	MCS0	0x2 or 0x4 0x2 or 0x4 0x2 or 0x4 0x2 or 0x4
	802.11be (EHT160) Punctured by 20 MHz	CDD	15, 111, 143, 207	BPSK	MCS0	0x2 or 0x4 or 0x10 0x2 or 0x4 or 0x10 0x2 or 0x4 or 0x10 0x2 or 0x4 or 0x10
	802.11be (EHT160) Punctured by 40 MHz	CDD	15, 111, 143, 207	BPSK	MCS0	0x0C or 0x30 0x0C or 0x30 0x0C or 0x30 0x0C or 0x30
	802.11be (EHT320) Punctured by 40 MHz	CDD	31, 95, 127, 191	BPSK	MCS0	0x000C or 0x0030 or 0x0C00 or 0x3000 0x000C or 0x0030 or 0x0C00 or 0x3000 0x000C or 0x0030 or 0x0C00 or 0x3000
	802.11be (EHT320) Punctured by 80 MHz	CDD	31, 95, 127, 191	BPSK	MCS0	0x00F0 or 0x0F00 0x00F0 or 0x0F00 0x00F0 or 0x0F00 0x00F0 or 0x0F00
	802.11be (EHT320) Punctured by 80+40 MHz	CDD	31, 95, 127, 191	BPSK	MCS0	0xC00F, 0xC00F 0xC00F 0xC00F, 0xC00F 0xC00F

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU Index
Occupied Bandwidth	802.11a	CDD	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	NA
	802.11be (EHT20)	Beamforming	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
	802.11be (EHT40)	Beamforming	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	NA
	802.11be (EHT80)	Beamforming	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0	NA
	802.11be (EHT160)	Beamforming	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
	802.11be (EHT320)	Beamforming	31, 63, 95, 127, 159, 191	BPSK	MCS0	NA
	802.11be (EHT80) Punctured by 20 MHz	CDD	7, 103, 183, 215	BPSK	MCS0	0x2 or 0x4 0x2 or 0x4 0x2 or 0x4 0x2 or 0x4
	802.11be (EHT160) Punctured by 20 MHz	CDD	15, 111, 143, 207	BPSK	MCS0	0x2 or 0x4 or 0x10 0x2 or 0x4 or 0x10 0x2 or 0x4 or 0x10 0x2 or 0x4 or 0x10
	802.11be (EHT160) Punctured by 40 MHz	CDD	15, 111, 143, 207	BPSK	MCS0	0x0C or 0x30 0x0C or 0x30 0x0C or 0x30 0x0C or 0x30
	802.11be (EHT320) Punctured by 40 MHz	CDD	31, 95, 127, 191	BPSK	MCS0	0x000C or 0x0030 or 0x0C00 or 0x3000 0x000C or 0x0030 or 0x0C00 or 0x3000 0x000C or 0x0030 or 0x0C00 or 0x3000
	802.11be (EHT320) Punctured by 80 MHz	CDD	31, 95, 127, 191	BPSK	MCS0	0x00F0 or 0x0F00 0x00F0 or 0x0F00 0x00F0 or 0x0F00 0x00F0 or 0x0F00
	802.11be (EHT320) Punctured by 80+40 MHz	CDD	31, 95, 127, 191	BPSK	MCS0	0xC00F, 0xC00F 0xC00F 0xC00F, 0xC00F 0xC00F

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU Index
Contention-based Protocol	802.11be (EHT20)	CDD	1, 97, 129, 193	BPSK	MCS0	NA
	802.11be (EHT320)	CDD	31, 95, 127, 191	BPSK	MCS0	NA
AC Power Conducted Emissions	802.11be (EHT320)	Beamforming	127	BPSK	MCS0	NA
Unwanted Emissions below 1 GHz	802.11be (EHT320)	Beamforming	127	BPSK	MCS0	NA
Unwanted Emissions above 1 GHz	802.11a	CDD	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	6Mb/s	NA
	802.11be (EHT20)	Beamforming	1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 233	BPSK	MCS0	NA
	802.11be (EHT40)	Beamforming	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0	NA
	802.11be (EHT80)	Beamforming	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0	NA
	802.11be (EHT160)	Beamforming	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0	NA
	802.11be (EHT320)	Beamforming	31, 63, 95, 127, 159, 191	BPSK	MCS0	NA
	802.11be (EHT80) Punctured by 20 MHz	CDD	7, 103, 183, 215	BPSK	MCS0	0x2 or 0x4 0x2 or 0x4 0x2 or 0x4 0x2 or 0x4
	802.11be (EHT160) Punctured by 20 MHz	CDD	15, 111, 143, 207	BPSK	MCS0	0x2 or 0x4 or 0x10 0x2 or 0x4 or 0x10 0x2 or 0x4 or 0x10 0x2 or 0x4 or 0x10
	802.11be (EHT160) Punctured by 40 MHz	CDD	15, 111, 143, 207	BPSK	MCS0	0x0C or 0x30 0x0C or 0x30 0x0C or 0x30 0x0C or 0x30
Unwanted Emissions above 1 GHz	802.11be (EHT320) Punctured by 40 MHz	CDD	31, 95, 127, 191	BPSK	MCS0	0x000C or 0x0030 or 0x0C00 or 0x3000 0x000C or 0x0030 or 0x0C00 or 0x3000 0x000C or 0x0030 or 0x0C00 or 0x3000
	802.11be (EHT320) Punctured by 80 MHz	CDD	31 95, 127, 191	BPSK	MCS0	0x00F0 or 0x0F00 0x00F0 or 0x0F00 0x00F0 or 0x0F00 0x00F0 or 0x0F00
	802.11be (EHT320) Punctured by 80+40 MHz	CDD	31, 95, 127, 191	BPSK	MCS0	0xC00F, 0xC00F 0xC00F 0xC00F, 0xC00F 0xC00F
Note: The EUT supports the static preamble puncturing feature.						

3.5 Duty Cycle of Test Signal

802.11a: Duty cycle = 1.966 ms / 1.992 ms x 100% = 98.7%

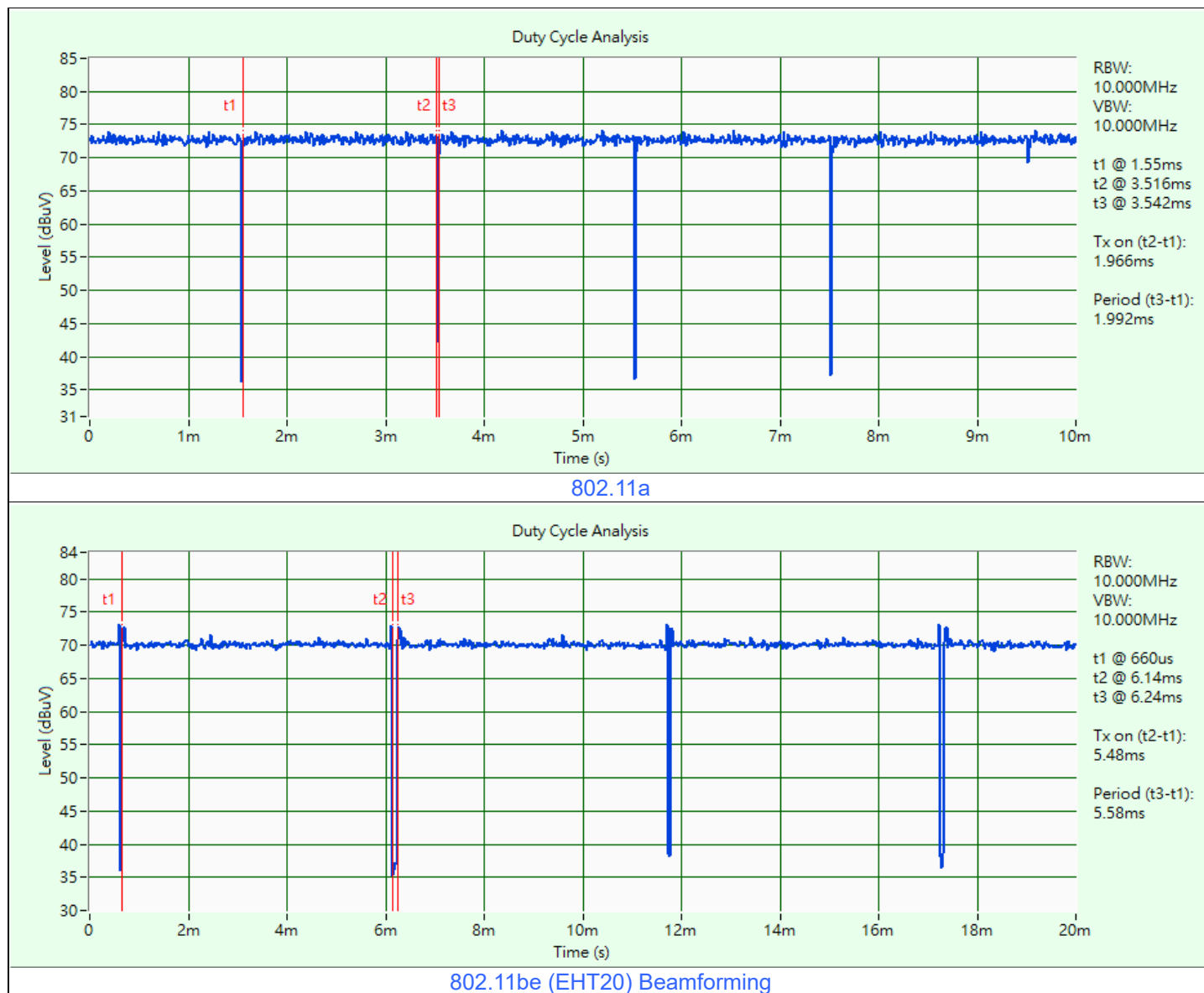
802.11be (EHT20) Beamforming: Duty cycle = 5.48 ms / 5.58 ms x 100% = 98.2%

802.11be (EHT40) Beamforming: Duty cycle = 5.48 ms / 5.5 ms x 100% = 99.6%

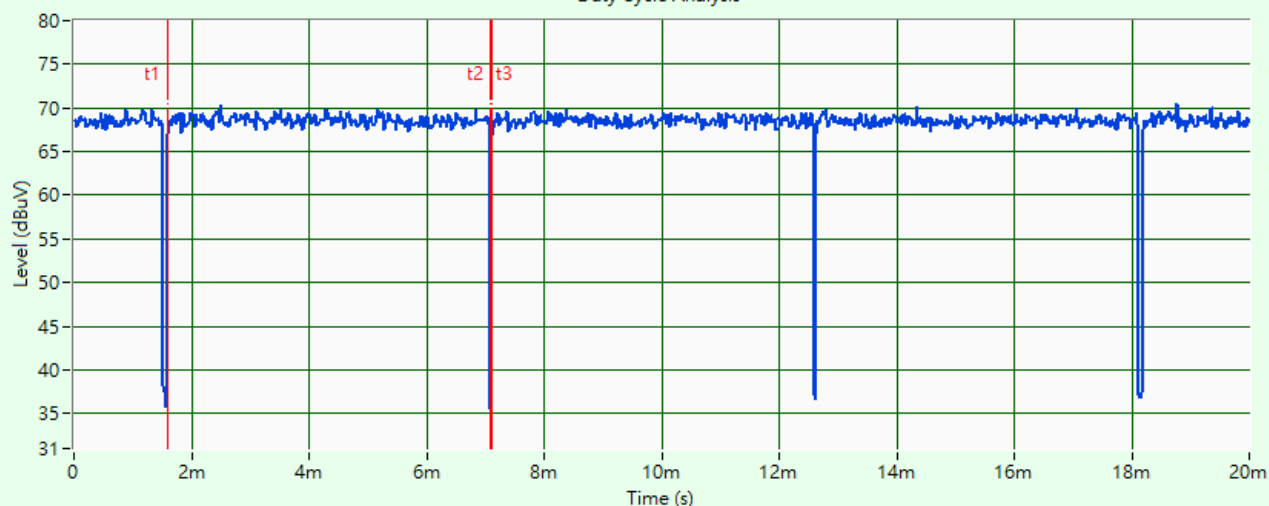
802.11be (EHT80) Beamforming: Duty cycle = 5.48 ms / 5.58 ms x 100% = 98.2%

802.11be (EHT160) Beamforming: Duty cycle = 5.48 ms / 5.5 ms x 100% = 99.6%

802.11be (EHT320) Beamforming: Duty cycle = 5.48 ms / 5.54 ms x 100% = 98.9%

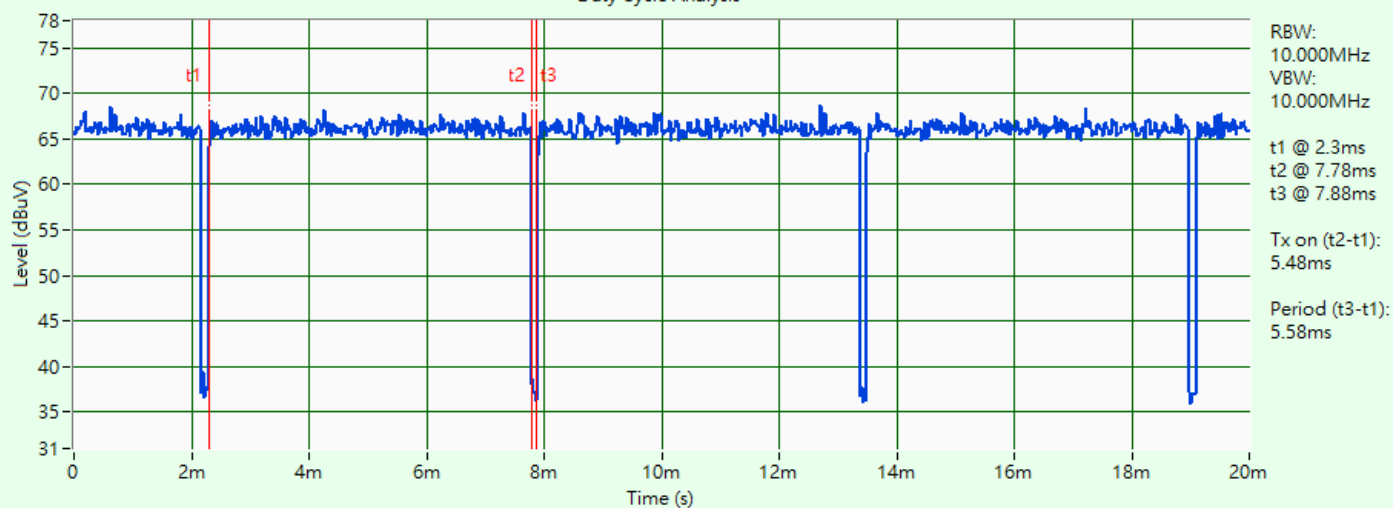


Duty Cycle Analysis



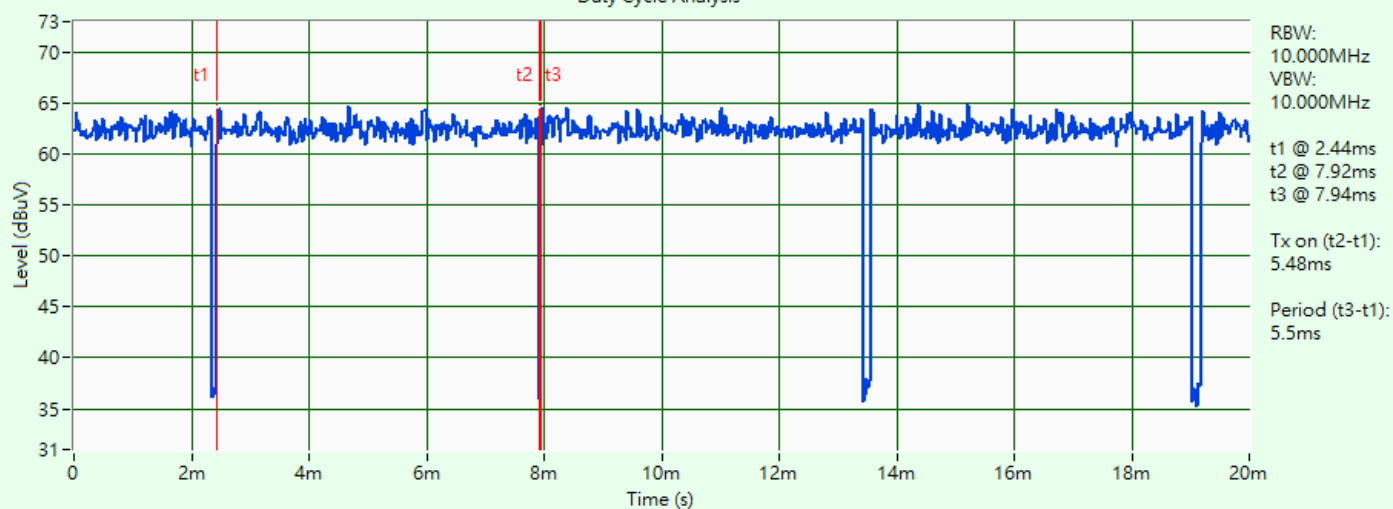
802.11be (EHT40) Beamforming

Duty Cycle Analysis

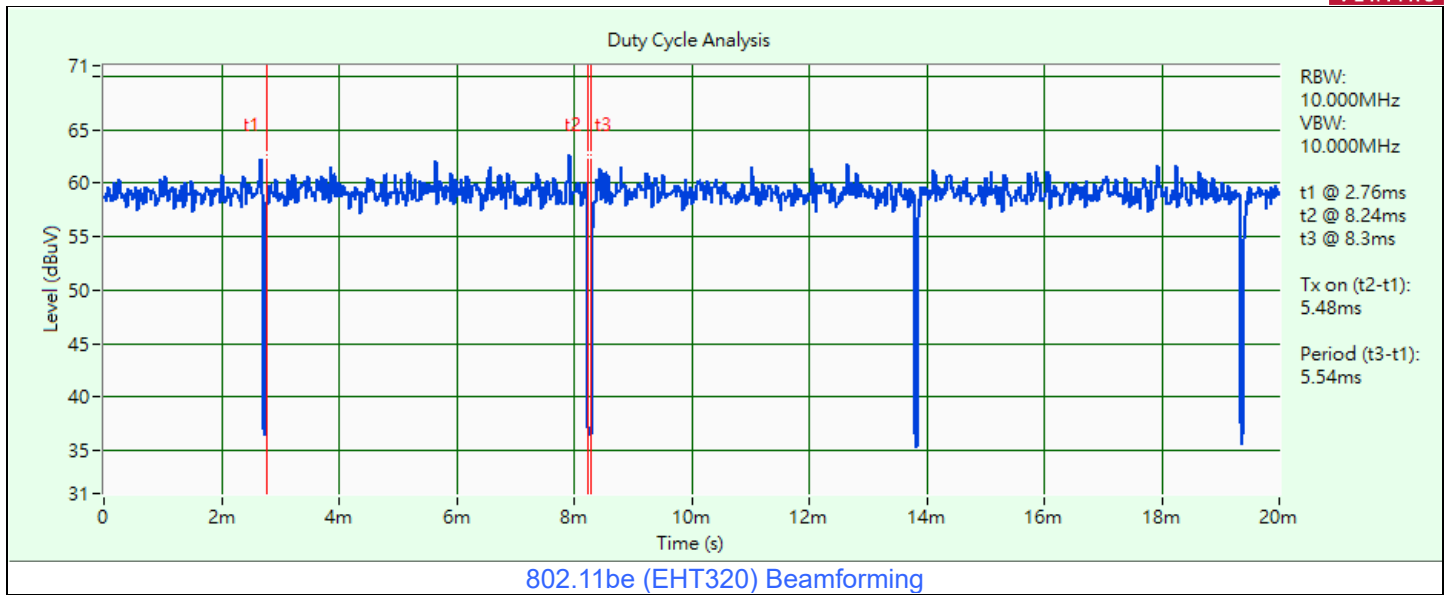


802.11be (EHT80) Beamforming

Duty Cycle Analysis



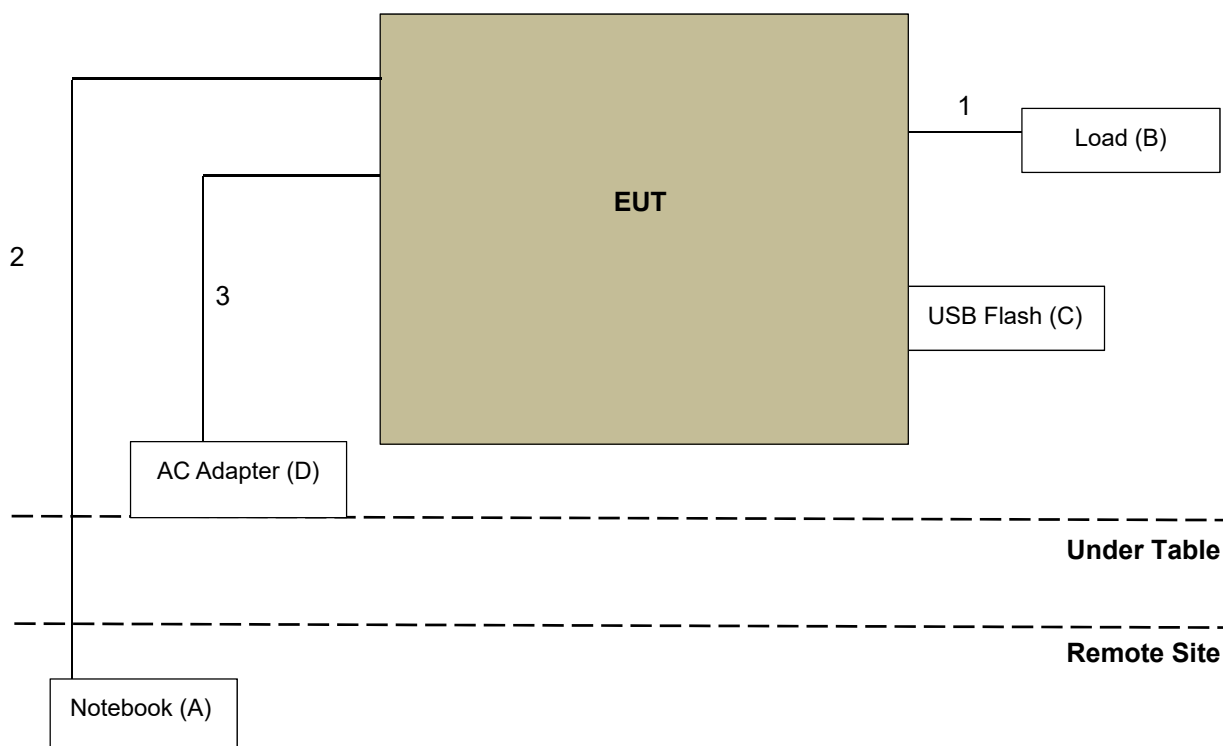
802.11be (EHT160) Beamforming



3.6 Test Program Used and Operation Descriptions

Controlling software QSPR Version 5.0-00.202 has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Notebook	Lenovo	L470	N/A	N/A	Provided by Lab
B	Load	N/A	N/A	N/A	N/A	Provided by Lab
C	USB Flash	SanDisk	SDDDC3-032G	N/A	N/A	Provided by Lab
D	AC Adapter	AMIGO	AMS340-1205000FU	N/A	N/A	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	RJ-45 Cable	1	1.5	No	0	Provided by Lab
2	RJ-45 Cable	1	10	No	0	Provided by Lab
3	DC Cable	1	2	No	0	Supplied by applicant

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
Antenna Tower Max-Full	MFA-515BSN	N/A	N/A	N/A
EXA Signal Analyzer Agilent	N9010A	MY52220314	2025/12/22	2026/12/21
Horn Antenna RFSPIN	DRH18-E	210104A18E	2025/11/9	2026/11/8
Horn Antenna Schwarzbeck	BBHA 9170	9170-1049	2025/11/9	2026/11/8
MXE EMI Receiver Keysight	N9038B	MY60180019	2025/1/15 2026/1/14	2026/1/14 2027/1/13
Preamplifier Agilent	83017A	MY39501357	2025/6/11	2026/6/10
Preamplifier EMCI	EMC184045SE	980788	2025/1/14 2026/1/13	2026/1/13 2027/1/12
RF Coaxial Cable EMCI	EMC101G-KM-KM-2000	201254	2025/1/14 2026/1/13	2026/1/13 2027/1/12
	EMC101G-KM-KM-3000	201255	2025/1/14 2026/1/13	2026/1/13 2027/1/12
	EMC101G-KM-KM-5000	201261	2025/1/14 2026/1/13	2026/1/13 2027/1/12
	EMC104-SM-SM-1000	210103	2025/1/14 2026/1/13	2026/1/13 2027/1/12
	EMC104-SM-SM-3000	201241	2025/1/14 2026/1/13	2026/1/13 2027/1/12
	EMC104-SM-SM-9000	201244	2025/1/14 2026/1/13	2026/1/13 2027/1/12
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-201SS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208676	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 9.
2. Tested Date: 2026/1/6 ~ 2026/3/10

4.2 Maximum Power Spectral Density

Refer to section 4.1 to get the tested date and information of the instruments.

4.3 Emission Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
Signal & Spectrum Analyzer R&S	FSV3044	101504	2025/6/18	2026/6/17
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in HY - Oven room.
2. Tested Date: 2026/1/20 ~ 2026/1/27

4.4 In-Band Emission Mask

Refer to section 4.3 to get the tested date and information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.3 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
MXG Vector Signal Generator Keysight	N5182B	MY57301272	2025/4/2	2026/4/1
	N5182BX07(N5182BU)	MY59360204	2025/6/3	2026/6/2
Power Divider Woken	0120A02058001M	DCMD33WIK3	2025/4/27	2026/4/26
		DCMD33WIK7	2025/4/27	2026/4/26
Signal & Spectrum Analyzer R&S	FSW26	102023	2025/11/14	2026/11/13

Notes:

1. The test was performed in HY - Adaptivity room.
2. Tested Date: 2026/1/29

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance HUBER+SUHNER	E1-011276	01	2025/2/11	2026/2/10
	E1-011277	02	2025/10/31	2026/10/30
	E1-011313	11	2025/2/11	2026/2/10
DC LISN Schwarzbeck	NNBM 8126G	8126G-069	2025/11/3	2026/11/2
Diode Pulse Limiter Schwarzbeck	VTSD 9561 F-N	01445	2025/4/27	2026/4/26
EMI Test Receiver R&S	ESCI	100613	2025/11/27	2026/11/26
LISN R&S	ENV216	101826	2025/3/24	2026/3/23
	ESH3-Z5	100311	2025/8/28	2026/8/27
RF Coaxial Cable Woken	5D-FB	Cable-cond1-01	2026/1/3	2027/1/2
Software BVADT	BVADT_Conf_ V7.4.1.0	N/A	N/A	N/A
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2025/8/27	2026/8/26

Notes:

1. The test was performed in HY - Conduction 1.
2. Tested Date: 2026/1/27

4.8 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFA-515BSN	N/A	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-1214	2025/9/18	2026/9/17
Loop Antenna TESEQ	HLA 6121	45745	2025/9/1	2026/8/31
MXE EMI Receiver Keysight	N9038B	MY60180019	2026/1/14	2027/1/13
Preamplifier EMCI	EMC330N	980798	2026/1/13	2027/1/12
RF Coaxial Cable EMCI	EMCCFD400-NM-NM-500	201248	2026/1/13	2027/1/12
	EMCCFD400-NM-NM-3000	201249	2026/1/13	2027/1/12
	EMCCFD400-NM-NM-9000	201251(with PAD)	2026/1/13	2027/1/12
Signal & Spectrum Analyzer R&S	FSV3044	101504	2025/6/18	2026/6/17
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-201SS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208676	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 9.
2. Tested Date: 2026/1/27

4.9 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFA-515BSN	N/A	N/A	N/A
Horn Antenna RFSPIN	DRH18-E	210104A18E	2025/11/9	2026/11/8
Horn Antenna Schwarzbeck	BBHA 9170	9170-1049	2025/11/9	2026/11/8
MXE EMI Receiver Keysight	N9038B	MY60180019	2025/1/15 2026/1/14	2026/1/14 2027/1/13
Preamplifier Agilent	83017A	MY39501357	2025/6/11	2026/6/10
Preamplifier EMCI	EMC184045SE	980788	2025/1/14 2026/1/13	2026/1/13 2027/1/12
RF Coaxial Cable EMCI	EMC101G-KM-KM-2000	201254	2025/1/14 2026/1/13	2026/1/13 2027/1/12
		201255	2025/1/14 2026/1/13	2026/1/13 2027/1/12
	EMC101G-KM-KM-5000	201261	2025/1/14 2026/1/13	2026/1/13 2027/1/12
	EMC104-SM-SM-1000	210103	2025/1/14 2026/1/13	2026/1/13 2027/1/12
	EMC104-SM-SM-3000	201241	2025/1/14 2026/1/13	2026/1/13 2027/1/12
	EMC104-SM-SM-9000	201244	2025/1/14 2026/1/13	2026/1/13 2027/1/12
Signal & Spectrum Analyzer R&S	FSV3044	101504	2025/6/18	2026/6/17
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-201SS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208676	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 9.
2. Tested Date: 2025/12/29 ~ 2026/1/27

5 Limits of Test Items

5.1 Maximum RF Output Power

Operation Band	Equipment Class	Limit
		Maximum Average Power
U-NII-5 U-NII-6 U-NII-7 U-NII-8	6ID: 15E 6 GHz Low-power indoor access point	EIRP 30 dBm

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

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

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT} ;

Array Gain = $5 \log(N_{ANT}/N_{SS})$ dB or 3 dB, whichever is less for 20-MHz channel widths with $N_{ANT} \geq 5$.

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

5.2 Maximum Power Spectral Density

Operation Band	Equipment Class	Limit
		Maximum Power Density
U-NII-5 U-NII-6 U-NII-7 U-NII-8	6ID: 15E 6 GHz Low-power indoor access point	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)

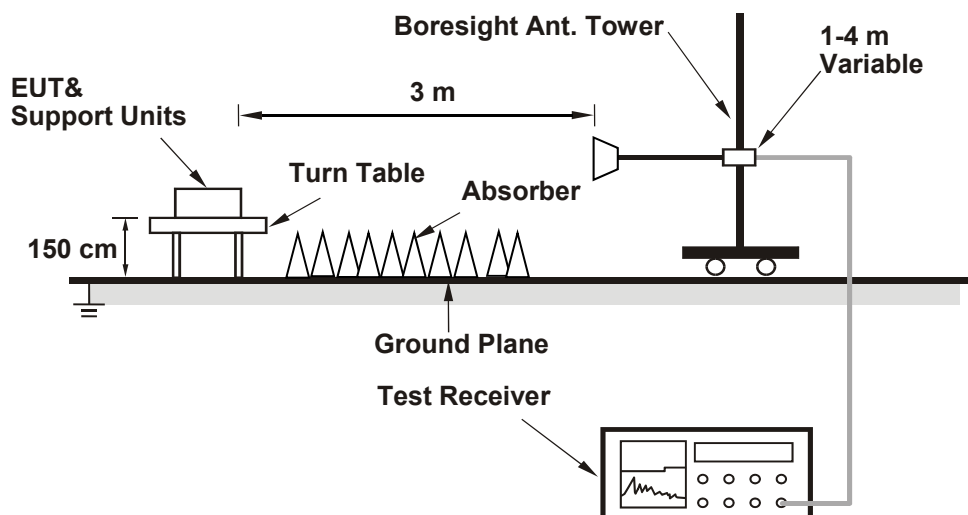
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 Maximum RF Output Power

6.1.1 Test Setup



6.1.2 Test Procedure

- The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP level.
- Follow ANSI C63.10 section 12.7.3, $EIRP \text{ Value (dBm)} = \text{Field Strength Value (dBuV / m)} + \text{Correction Factor @ 3 m}$.
- $\text{Correction Factor (dB) @ 3 m} = 20\log(D) - 104.77 = -95.23 \text{ dB}$; where D is the measurement distance @3 m.

Spectrum analyzer setting as below:

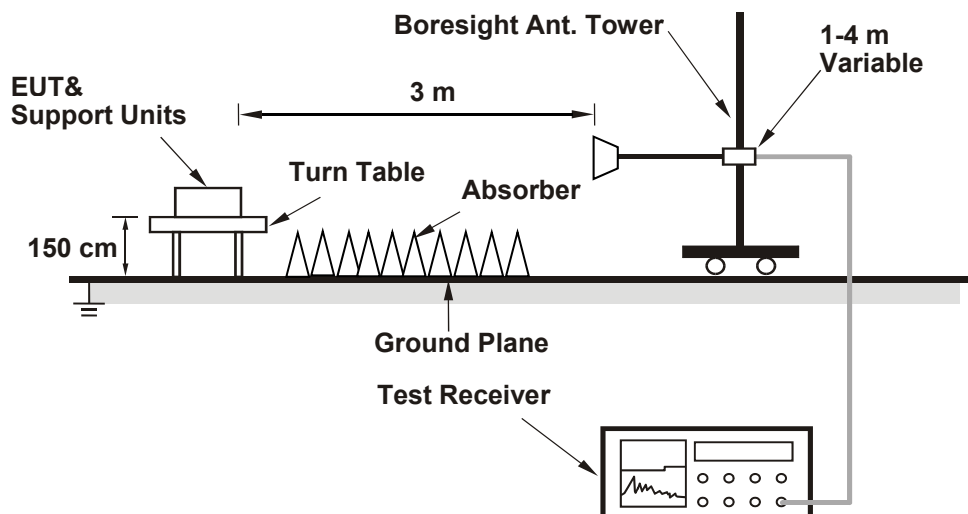
Method SA-1

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

Note: When measuring power, use compute power by integrating the spectrum across the 26 dB EBW or 99% OBW of the signal using the instrument's band power measurement function, with band limits set equal to the EBW or OBW band edges. If the instrument does not have a band power function, then sum the spectrum levels (in power units) at 1 MHz intervals extending across the 26 dB EBW or 99% OBW of the spectrum.

6.2 Maximum Power Spectral Density

6.2.1 Test Setup



6.2.2 Test Procedure

- The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP level.
- Follow ANSI C63.10 section 12.7.3, $EIRP \text{ Value (dBm)} = \text{Field Strength Value (dBuV/m)} + \text{Correction Factor @ 3 m}$.
- $\text{Correction Factor (dB) @ 3 m} = 20\log(D) - 104.77$; where D is the measurement distance @3 m = -95.23 dB

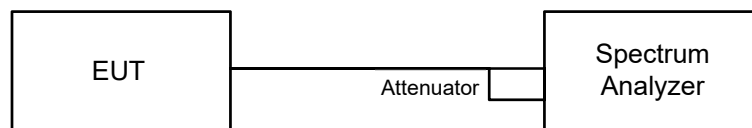
Spectrum analyzer setting as below:

Method SA-1

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

6.3 Emission Bandwidth

6.3.1 Test Setup

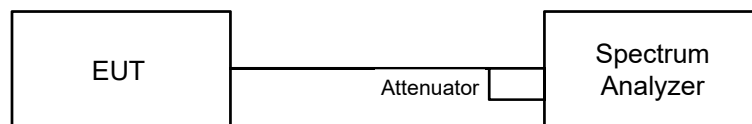


6.3.2 Test Procedure

- Set RBW = shall be in the range of 1% to 5% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = peak.
- Trace mode = max-hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is in the range of 1% to 5%.

6.4 In-Band Emission Mask

6.4.1 Test Setup

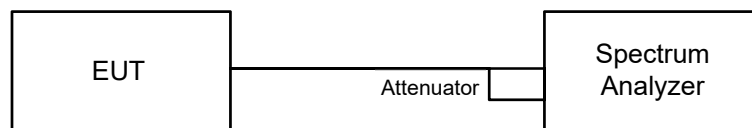


6.4.2 Test Procedure

- Connect output of the antenna port to a spectrum analyzer and adjust appropriate attenuation.
- Measure the 26 dB EBW using the test procedure 12.5.2 of ANSI C63.10-2020. (This will be used to determine the channel edge.)
- Measure the power spectral density (for emissions mask reference) using the following procedure:
 - Set the span to encompass the entire 26 dB EBW of the signal.
 - Set RBW = same RBW used for 26 dB EBW measurement.
 - Set VBW $\geq 3 \times$ RBW
 - Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$.
 - Sweep time = auto.
 - Detector = RMS (i.e., power averaging)
 - Trace average at least 100 traces in power averaging (rms) mode.
 - Use the peak search function on the instrument to find the peak of the spectrum.
- Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
 - Suppressed by 20 dB at 1 MHz outside of the channel edge. (The channel edge is defined as the 26-dB point on either side of the carrier center frequency.)
 - Suppressed by 28 dB at one channel bandwidth from the channel center.
 - Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
- Adjust the span to encompass the entire mask as necessary and clear trace.
- Trace average at least 100 traces in power averaging (rms) mode.
- Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask.

6.5 Occupied Bandwidth

6.5.1 Test Setup



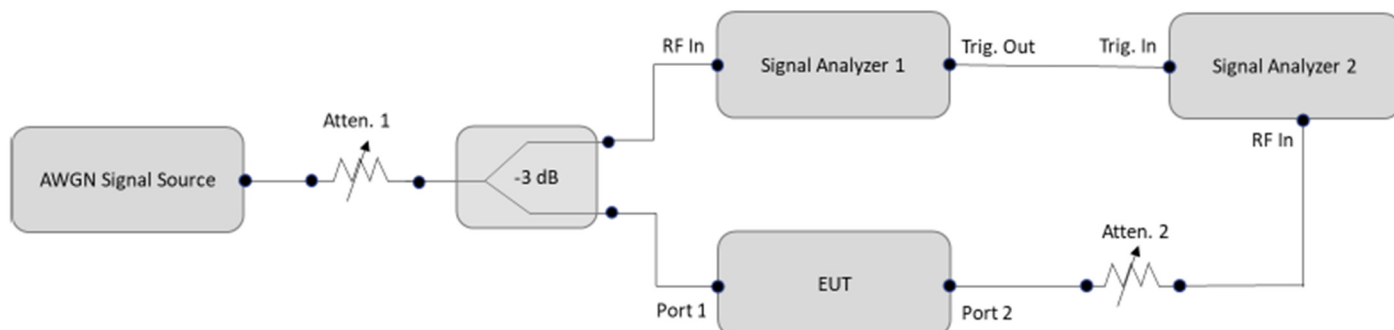
6.5.2 Test Procedure

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

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

6.6 Contention-based Protocol

6.6.1 Test Setup



6.6.2 Test Procedure

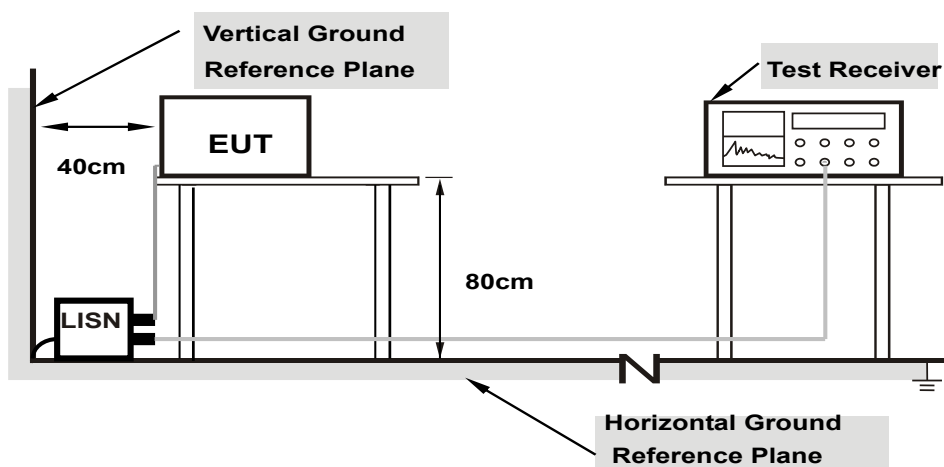
- Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT. Connect the output port of the EUT to the signal analyzer 2. Ensure that the attenuator 2 provides enough attenuation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

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

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

6.7 AC Power Conducted Emissions

6.7.1 Test Setup



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

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

6.7.2 Test Procedure

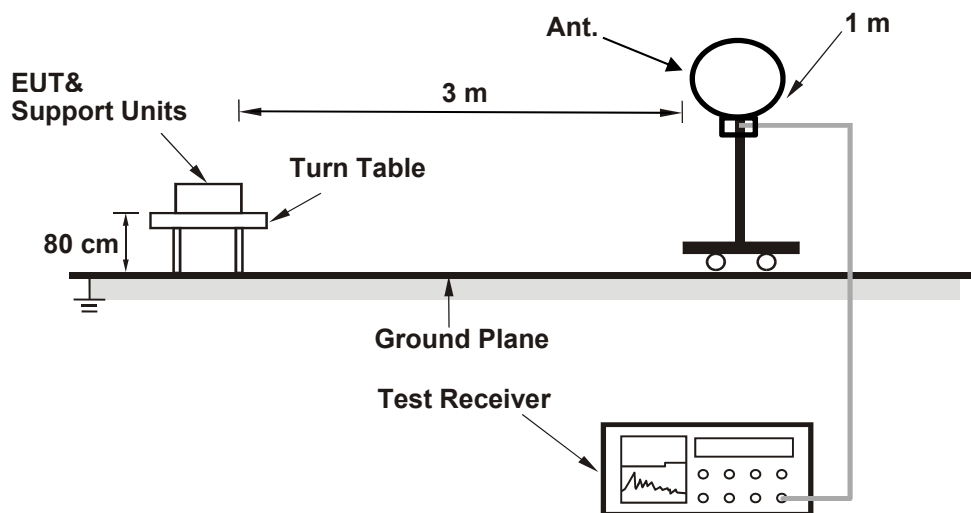
- Exploratory ac power-line conducted emission measurements: The EUT shall be operated on the mid channel and in the mode with highest output power unless the fundamental operates in the AC power-line emission test range then the EUT shall be operated in the range of typical modes of operation.
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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

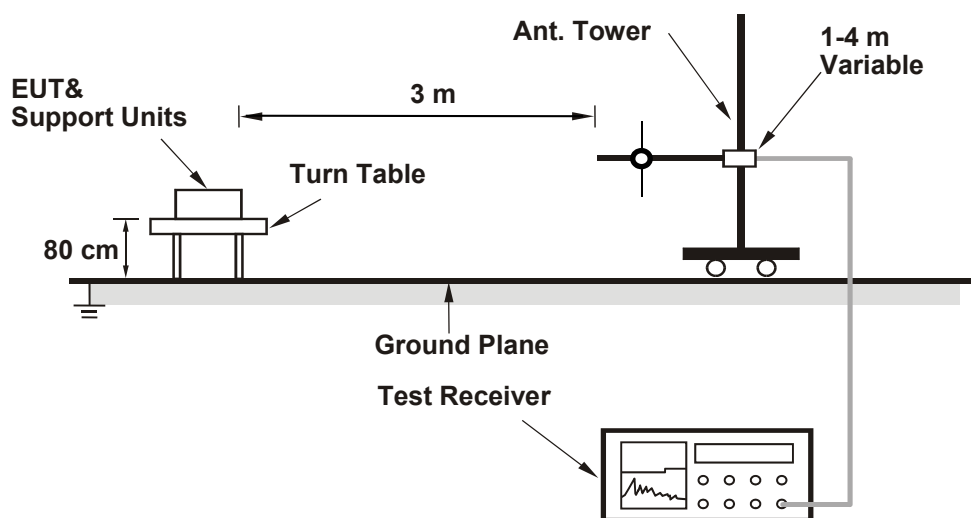
6.8 Unwanted Emissions below 1 GHz

6.8.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.8.2 Test Procedure

For Radiated emission below 30 MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode (however, peak detector measurements may be used to determine compliance with QP requirements), except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

Notes:

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

For Radiated emission above 30 MHz

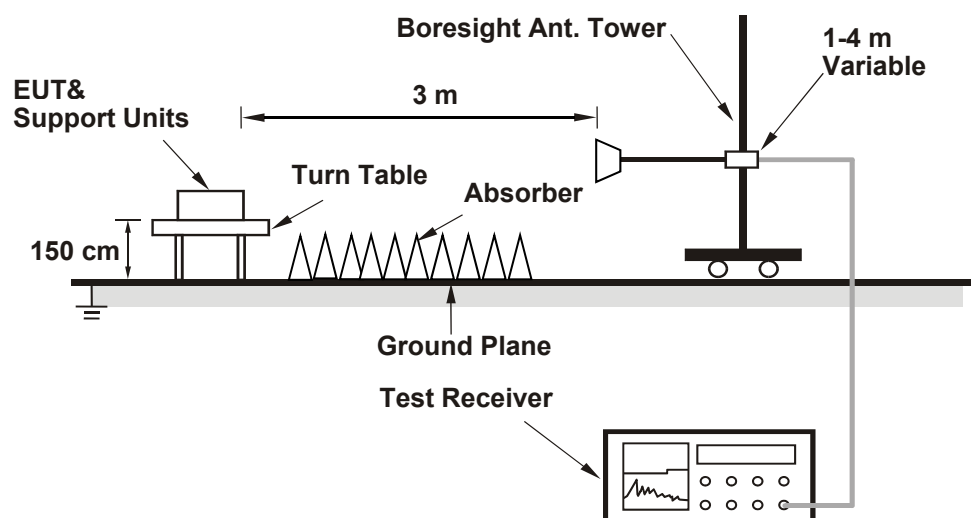
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-peak(QP) detect function, Average(AV) detect function, Peak(PK) detect function and specified bandwidth with maximum hold mode when the test frequencies less than or equal to 1 GHz.

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz (however, peak detector measurements may be used to determine compliance with QP requirements).
2. All modes of operation were investigated and the worst-case emissions are reported.

6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup



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

6.9.2 Test Procedure

- The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Notes:

- The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) and Average detection (AV) at frequency above 1 GHz.
- For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is $\geq 1/T$ (Duty cycle $< 98\%$) or 10 Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1 GHz.
For 802.11a and 802.11be (EHT20) Channel 233: Integration method
 - For average emissions measurements:
 - Set RBW = 100 kHz.
 - Perform band-power integration across the 1 MHz bandwidth in which the band-edge emission level is to be measured.
- All modes of operation were investigated and the worst-case emissions are reported.

7 Test Results of Test Item

7.1 Maximum RF Output Power

Environmental Conditions:	25°C, 60% RH	Tested By:	Match Tsui
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802.11a

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	110.47	-95.23	33.42	15.24	30	Pass
45	6175	110.52	-95.23	33.806	15.29	30	Pass
93	6415	110.75	-95.23	35.645	15.52	30	Pass
97	6435	110.71	-95.23	35.318	15.48	30	Pass
105	6475	110.73	-95.23	35.481	15.50	30	Pass
113	6515	110.67	-95.23	34.995	15.44	30	Pass
117	6535	110.71	-95.23	35.318	15.48	30	Pass
149	6695	110.68	-95.23	35.075	15.45	30	Pass
181	6855	110.43	-95.23	33.113	15.20	30	Pass
185	6875	110.63	-95.23	34.674	15.40	30	Pass
209	6995	110.51	-95.23	33.729	15.28	30	Pass
233	7115	105.88	-95.23	11.614	10.65	30	Pass

802.11be (EHT20) Beamforming

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	111.68	-95.23	44.157	16.45	30	Pass
45	6175	111.25	-95.23	39.994	16.02	30	Pass
93	6415	111.74	-95.23	44.771	16.51	30	Pass
97	6435	112.30	-95.23	51.168	17.09	30	Pass
105	6475	112.19	-95.23	49.659	16.96	30	Pass
113	6515	111.84	-95.23	45.814	16.61	30	Pass
117	6535	111.31	-95.23	40.551	16.08	30	Pass
149	6695	111.42	-95.23	41.591	16.19	30	Pass
181	6855	112.31	-95.23	51.05	17.08	30	Pass
185	6875	111.62	-95.23	43.551	16.39	30	Pass
209	6995	111.54	-95.23	42.756	16.31	30	Pass
233	7115	104.21	-95.23	7.907	8.98	30	Pass

802.11be (EHT40) Beamforming

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
3	5965	114.21	-95.23	79.068	18.98	30	Pass
43	6165	114.09	-95.23	76.913	18.86	30	Pass
91	6405	113.95	-95.23	74.473	18.72	30	Pass
99	6445	114.26	-95.23	79.983	19.03	30	Pass
107	6485	114.62	-95.23	86.896	19.39	30	Pass
115	6525	114.35	-95.23	81.658	19.12	30	Pass
123	6565	113.96	-95.23	74.645	18.73	30	Pass
155	6725	114.21	-95.23	79.068	18.98	30	Pass
179	6845	114.16	-95.23	78.163	18.93	30	Pass
187	6885	114.23	-95.23	79.433	19.00	30	Pass
211	7005	113.94	-95.23	74.302	18.71	30	Pass
227	7085	114.43	-95.23	83.176	19.20	30	Pass

802.11be (EHT80) Beamforming

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
7	5985	117.63	-95.23	173.78	22.40	30	Pass
39	6145	117.42	-95.23	165.577	22.19	30	Pass
87	6385	117.94	-95.23	169.824	22.30	30	Pass
103	6465	117.79	-95.23	180.302	22.56	30	Pass
119	6545	117.81	-95.23	181.134	22.58	30	Pass
151	6705	117.84	-95.23	186.638	22.71	30	Pass
183	6865	117.83	-95.23	181.97	22.60	30	Pass
199	6945	117.28	-95.23	160.325	22.05	30	Pass
215	7025	117.72	-95.23	177.419	22.49	30	Pass

802.11be (EHT160) Beamforming

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	120.64	-95.23	347.536	25.41	30	Pass
47	6185	120.59	-95.23	343.558	25.36	30	Pass
79	6345	120.83	-95.23	363.078	25.60	30	Pass
111	6505	120.28	-95.23	319.89	25.05	30	Pass
143	6665	120.87	-95.23	366.438	25.64	30	Pass
175	6825	120.84	-95.23	363.915	25.61	30	Pass
207	6985	120.79	-95.23	359.749	25.56	30	Pass

802.11be (EHT320) Beamforming

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
31	6105	123.84	-95.23	726.106	28.61	30	Pass
63	6265	123.67	-95.23	698.232	28.44	30	Pass
95	6425	123.58	-95.23	683.912	28.35	30	Pass
127	6585	124.03	-95.23	758.578	28.80	30	Pass
159	6745	123.98	-95.23	749.894	28.75	30	Pass
191	6905	123.58	-95.23	683.912	28.35	30	Pass

802.11be (EHT80) Punctured by 20 MHz (0x2)

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
7	5985	116.25	-95.23	126.474	21.02	30	Pass
103	6465	115.81	-95.23	114.288	20.58	30	Pass
183	6865	115.91	-95.23	116.95	20.68	30	Pass
215	7025	116.17	-95.23	124.165	20.94	30	Pass

802.11be (EHT160) Punctured by 20 MHz (0x10)

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	118.14	-95.23	195.434	22.91	30	Pass
111	6505	117.84	-95.23	182.39	22.61	30	Pass
143	6665	118.46	-95.23	210.378	23.23	30	Pass
207	6985	118.43	-95.23	208.93	23.20	30	Pass

802.11be (EHT160) Punctured by 40 MHz (0x30)

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	117.64	-95.23	174.181	22.41	30	Pass
111	6505	117.30	-95.23	161.065	22.07	30	Pass
143	6665	117.92	-95.23	185.78	22.69	30	Pass
207	6985	117.56	-95.23	171.002	22.33	30	Pass

802.11be (EHT320) Punctured by 40 MHz (0x3000)

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
31	6105	120.60	-95.23	344.35	25.37	30	Pass
95	6425	121.16	-95.23	391.742	25.93	30	Pass
127	6585	120.78	-95.23	358.922	25.55	30	Pass
191	6905	121.02	-95.23	379.315	25.79	30	Pass

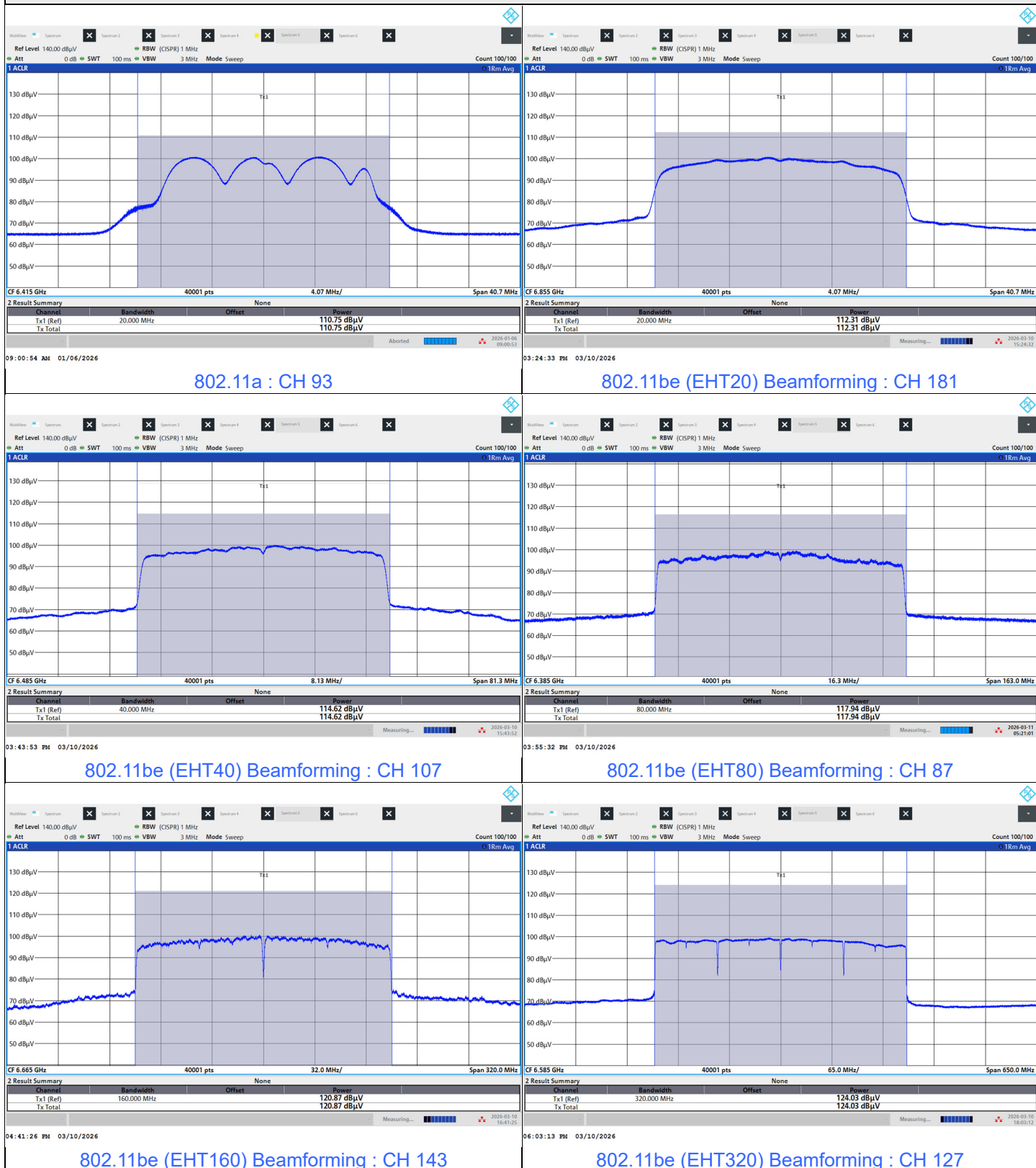
802.11be (EHT320) Punctured by 80 MHz (0x0F00)

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
31	6105	120.21	-95.23	314.775	24.98	30	Pass
95	6425	120.50	-95.23	336.512	25.27	30	Pass
127	6585	120.52	-95.23	338.065	25.29	30	Pass
191	6905	120.24	-95.23	316.957	25.01	30	Pass

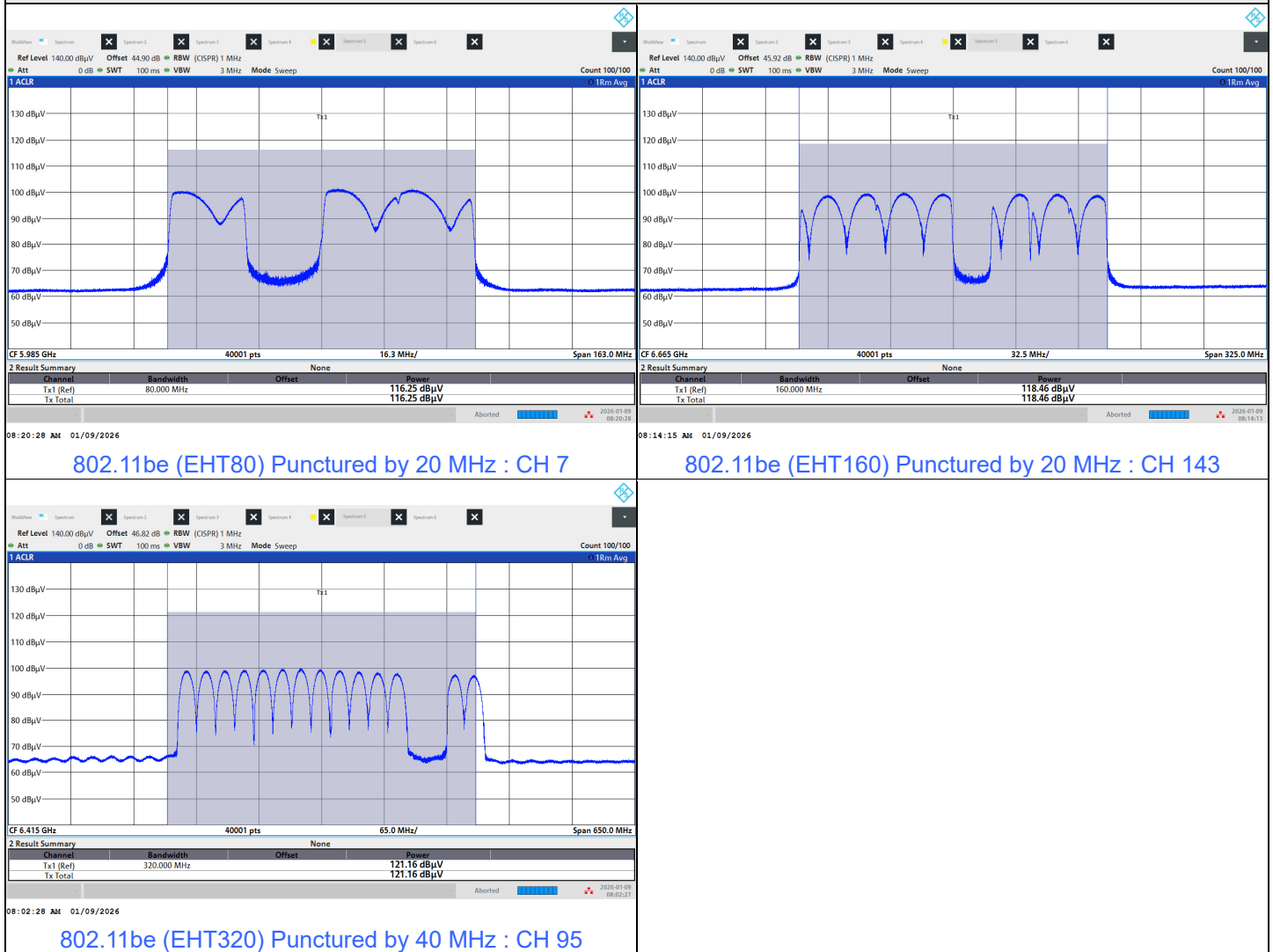
802.11be (EHT320) Punctured by 80+40 MHz (0xC00F)

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
31	6105	119.36	-95.23	258.821	24.13	30	Pass
95	6425	119.56	-95.23	271.019	24.33	30	Pass
127	6585	119.86	-95.23	290.402	24.63	30	Pass
191	6905	119.89	-95.23	292.415	24.66	30	Pass

Spectrum Plot of Maximum Value



Spectrum Plot of Maximum Value



7.2 Maximum Power Spectral Density

Environmental Conditions:	25°C, 60% RH	Tested By:	Match Tsui
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802.11a

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	99.83	-95.23	4.60	5	Pass
45	6175	99.93	-95.23	4.70	5	Pass
93	6415	100.17	-95.23	4.94	5	Pass
97	6435	99.87	-95.23	4.64	5	Pass
105	6475	99.89	-95.23	4.66	5	Pass
113	6515	99.83	-95.23	4.60	5	Pass
117	6535	99.97	-95.23	4.74	5	Pass
149	6695	100.05	-95.23	4.82	5	Pass
181	6855	100.04	-95.23	4.81	5	Pass
185	6875	99.86	-95.23	4.63	5	Pass
209	6995	100.04	-95.23	4.81	5	Pass
233	7115	95.81	-95.23	0.58	5	Pass

802.11be (EHT20) Beamforming

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	100.03	-95.23	4.80	5	Pass
45	6175	100.07	-95.23	4.84	5	Pass
93	6415	100.03	-95.23	4.80	5	Pass
97	6435	100.08	-95.23	4.85	5	Pass
105	6475	100.04	-95.23	4.81	5	Pass
113	6515	99.98	-95.23	4.75	5	Pass
117	6535	100.01	-95.23	4.78	5	Pass
149	6695	100.01	-95.23	4.78	5	Pass
181	6855	100.18	-95.23	4.95	5	Pass
185	6875	100.12	-95.23	4.89	5	Pass
209	6995	100.06	-95.23	4.83	5	Pass
233	7115	93.22	-95.23	-2.01	5	Pass

802.11be (EHT40) Beamforming

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
3	5965	99.91	-95.23	4.68	5	Pass
43	6165	99.98	-95.23	4.75	5	Pass
91	6405	100.01	-95.23	4.78	5	Pass
99	6445	100.06	-95.23	4.83	5	Pass
107	6485	100.09	-95.23	4.86	5	Pass
115	6525	100.03	-95.23	4.80	5	Pass
123	6565	99.91	-95.23	4.68	5	Pass
155	6725	99.95	-95.23	4.72	5	Pass
179	6845	100.03	-95.23	4.80	5	Pass
187	6885	100.02	-95.23	4.79	5	Pass
211	7005	99.87	-95.23	4.64	5	Pass
227	7085	100.05	-95.23	4.82	5	Pass

802.11be (EHT80) Beamforming

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
7	5985	100.11	-95.23	4.90	5	Pass
39	6145	100.02	-95.23	4.79	5	Pass
87	6385	100.12	-95.23	4.89	5	Pass
103	6465	99.89	-95.23	4.66	5	Pass
119	6545	99.94	-95.23	4.71	5	Pass
151	6705	100.02	-95.23	4.79	5	Pass
183	6865	99.87	-95.23	4.64	5	Pass
199	6945	100.06	-95.23	4.83	5	Pass
215	7025	99.94	-95.23	4.71	5	Pass

802.11be (EHT160) Beamforming

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
15	6025	99.87	-95.23	4.64	5	Pass
47	6185	99.85	-95.23	4.62	5	Pass
79	6345	99.88	-95.23	4.65	5	Pass
111	6505	99.91	-95.23	4.68	5	Pass
143	6665	99.98	-95.23	4.75	5	Pass
175	6825	99.93	-95.23	4.70	5	Pass
207	6985	99.89	-95.23	4.66	5	Pass

802.11be (EHT320) Beamforming

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
31	6105	100.02	-95.23	4.79	5	Pass
63	6265	99.94	-95.23	4.71	5	Pass
95	6425	99.86	-95.23	4.63	5	Pass
127	6585	100.03	-95.23	4.82	5	Pass
159	6745	100.02	-95.23	4.79	5	Pass
191	6905	99.92	-95.23	4.69	5	Pass

802.11be (EHT80) Punctured by 20 MHz (0x2)

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
7	5985	100.08	-95.23	4.85	5	Pass
103	6465	100.04	-95.23	4.81	5	Pass
183	6865	99.69	-95.23	4.46	5	Pass
215	7025	99.94	-95.23	4.71	5	Pass

802.11be (EHT160) Punctured by 20 MHz (0x10)

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
15	6025	100.01	-95.23	4.78	5	Pass
111	6505	99.92	-95.23	4.69	5	Pass
143	6665	100.08	-95.23	4.85	5	Pass
207	6985	99.87	-95.23	4.64	5	Pass

802.11be (EHT160) Punctured by 40 MHz (0x30)

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
15	6025	99.95	-95.23	4.72	5	Pass
111	6505	99.99	-95.23	4.76	5	Pass
143	6665	100.01	-95.23	4.78	5	Pass
207	6985	100.05	-95.23	4.82	5	Pass

802.11be (EHT320) Punctured by 40 MHz (0x3000)

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
31	6105	99.78	-95.23	4.55	5	Pass
95	6425	100.04	-95.23	4.81	5	Pass
127	6585	99.88	-95.23	4.65	5	Pass
191	6905	100.03	-95.23	4.80	5	Pass

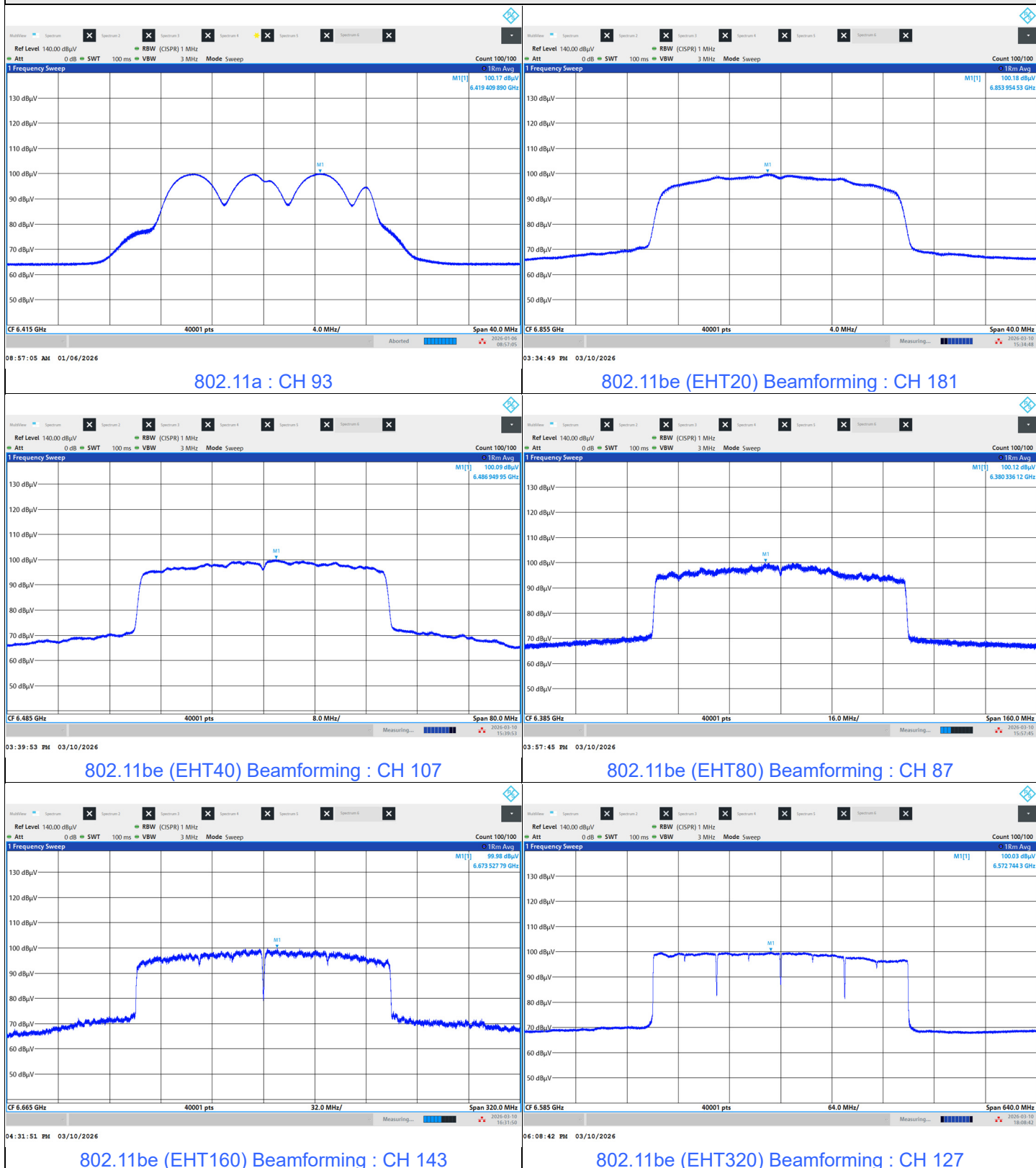
802.11be (EHT320) Punctured by 80 MHz (0x0F00)

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
31	6105	99.86	-95.23	4.63	5	Pass
95	6425	100.04	-95.23	4.81	5	Pass
127	6585	100.03	-95.23	4.83	5	Pass
191	6905	100.01	-95.23	4.78	5	Pass

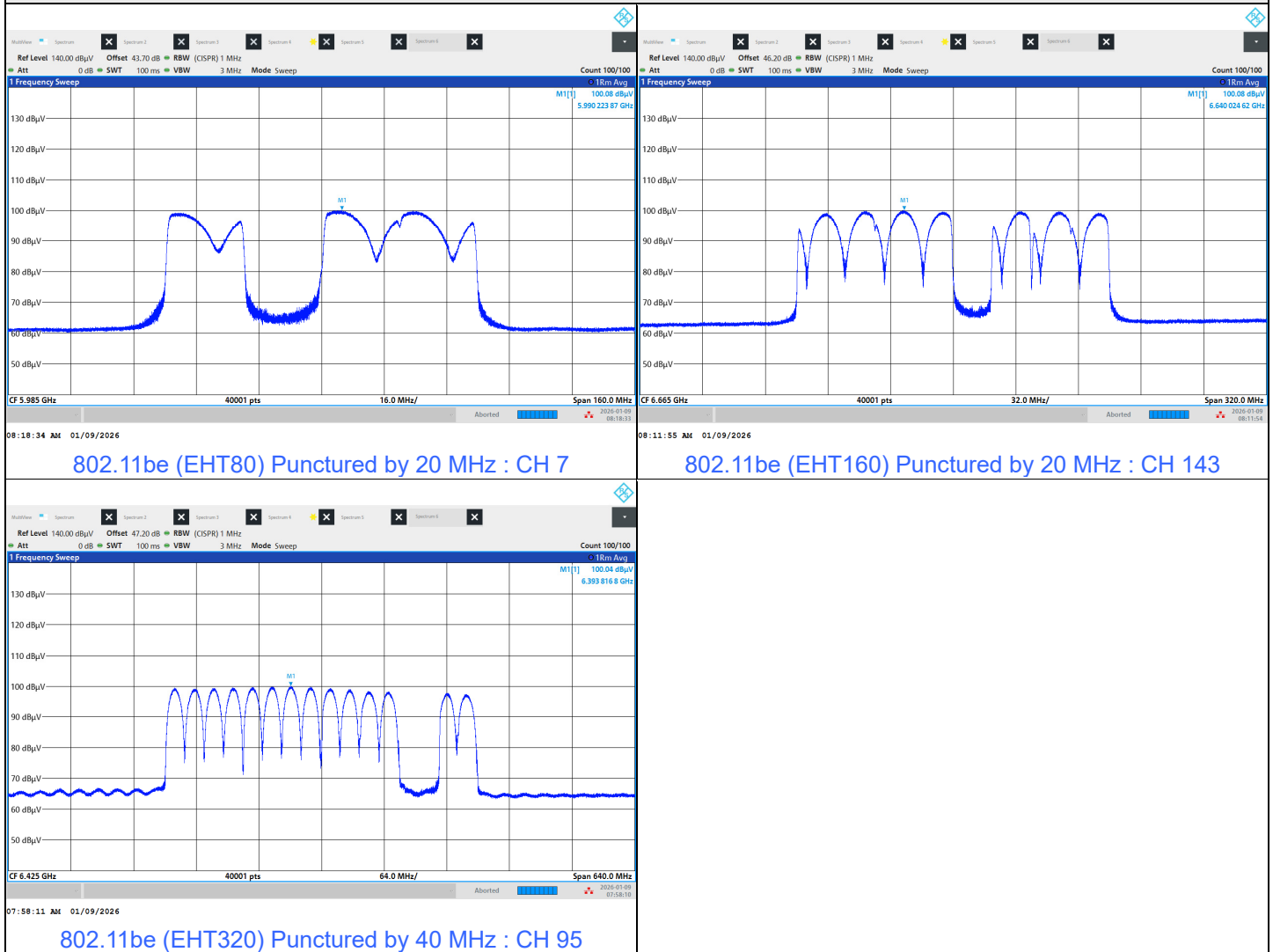
802.11be (EHT320) Punctured by 80+40 MHz (0xC00F)

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
31	6105	99.87	-95.23	4.64	5	Pass
95	6425	99.89	-95.23	4.66	5	Pass
127	6585	100.03	-95.23	4.80	5	Pass
191	6905	100.03	-95.23	4.85	5	Pass

Spectrum Plot of Maximum Value



Spectrum Plot of Maximum Value



7.3 Emission Bandwidth

Environmental Conditions:	25°C, 60% RH	Tested By:	Match Tsui
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802.11a

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	22.76	22.56	320	Pass
45	6175	22.86	23.15	320	Pass
93	6415	22.82	22.61	320	Pass
97	6435	22.86	22.89	320	Pass
105	6475	22.81	22.53	320	Pass
113	6515	22.84	22.84	320	Pass
117	6535	23.05	22.64	320	Pass
149	6695	22.85	22.57	320	Pass
181	6855	22.99	22.59	320	Pass
185	6875	22.95	22.89	320	Pass
209	6995	22.87	22.62	320	Pass
233	7115	22.83	22.70	320	Pass

802.11be (EHT20) Beamforming

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	23.34	24.10	320	Pass
45	6175	23.39	24.04	320	Pass
93	6415	23.38	23.91	320	Pass
97	6435	23.59	23.86	320	Pass
105	6475	23.34	23.70	320	Pass
113	6515	23.45	23.85	320	Pass
117	6535	23.42	24.01	320	Pass
149	6695	23.60	23.88	320	Pass
181	6855	23.46	23.84	320	Pass
185	6875	23.52	23.80	320	Pass
209	6995	23.56	23.83	320	Pass
233	7115	23.26	23.88	320	Pass

802.11be (EHT40) Beamforming

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
3	5965	44.70	44.41	320	Pass
43	6165	44.39	44.45	320	Pass
91	6405	44.60	45.08	320	Pass
99	6445	44.95	45.14	320	Pass
107	6485	44.84	44.41	320	Pass
115	6525	44.38	45.19	320	Pass
123	6565	44.97	43.92	320	Pass
155	6725	44.69	44.30	320	Pass
179	6845	44.75	44.32	320	Pass
187	6885	44.95	44.17	320	Pass
211	7005	44.41	44.63	320	Pass
227	7085	44.61	44.79	320	Pass

802.11be (EHT80) Beamforming

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
7	5985	91.18	90.19	320	Pass
39	6145	90.50	89.95	320	Pass
87	6385	90.27	89.58	320	Pass
103	6465	90.73	89.53	320	Pass
119	6545	90.04	90.64	320	Pass
151	6705	90.68	91.33	320	Pass
183	6865	90.12	90.66	320	Pass
199	6945	90.56	88.76	320	Pass
215	7025	91.44	89.28	320	Pass

802.11be (EHT160) Beamforming

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	177.55	173.16	320	Pass
47	6185	172.58	172.98	320	Pass
79	6345	177.04	172.93	320	Pass
111	6505	176.26	175.14	320	Pass
143	6665	175.31	173.30	320	Pass
175	6825	175.73	174.22	320	Pass
207	6985	176.16	173.02	320	Pass

802.11be (EHT320) Beamforming

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
31	6105	338.55	523.68	320	Note
63	6265	340.12	341.44	320	Note
95	6425	338.63	340.67	320	Note
127	6585	338.41	486.83	320	Note
159	6745	488.84	486.36	320	Note
191	6905	337.75	339.83	320	Note

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

802.11be (EHT80) Punctured by 20 MHz (0x2)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
7	5985	89.80	91.40	320	Pass
103	6465	90.38	92.67	320	Pass
183	6865	90.94	89.62	320	Pass
215	7025	90.27	90.12	320	Pass

802.11be (EHT160) Punctured by 20 MHz (0x10)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	173.99	175.44	320	Pass
111	6505	173.01	175.37	320	Pass
143	6665	173.42	176.63	320	Pass
207	6985	172.76	174.58	320	Pass

802.11be (EHT160) Punctured by 40 MHz (0x30)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	172.63	173.54	320	Pass
111	6505	174.56	173.38	320	Pass
143	6665	185.24	173.18	320	Pass
207	6985	174.97	172.94	320	Pass

802.11be (EHT320) Punctured by 40 MHz (0x3000)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
31	6105	336.99	336.21	320	Note
95	6425	342.67	342.78	320	Note
127	6585	339.71	338.56	320	Note
191	6905	338.02	338.02	320	Note

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

802.11be (EHT320) Punctured by 80 MHz (0x0F00)

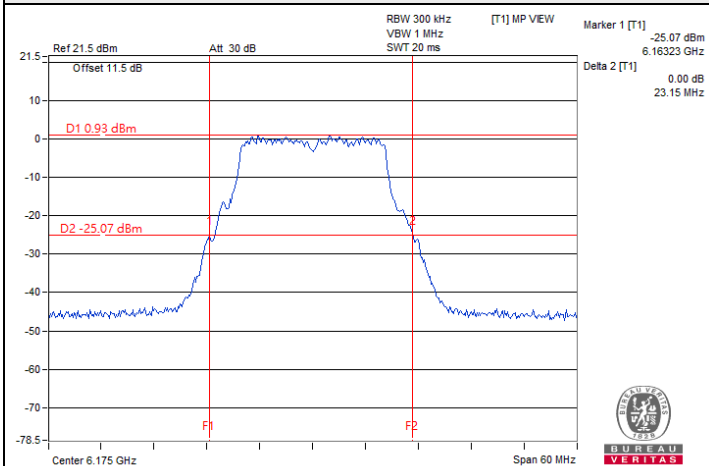
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
31	6105	337.06	336.75	320	Note
95	6425	338.82	339.16	320	Note
127	6585	338.29	341.31	320	Note
191	6905	339.70	340.43	320	Note

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

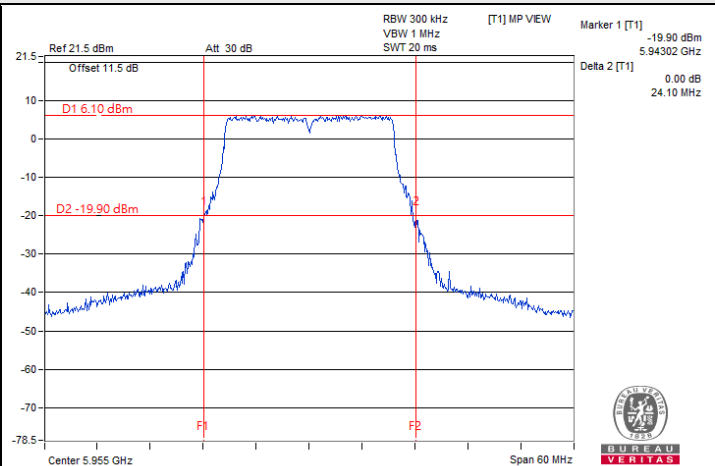
802.11be (EHT320) Punctured by 80+40 MHz (0xC00F)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
31	6105	262.51	258.64	320	Pass
95	6425	273.34	259.99	320	Pass
127	6585	272.39	261.04	320	Pass
191	6905	277.03	259.27	320	Pass

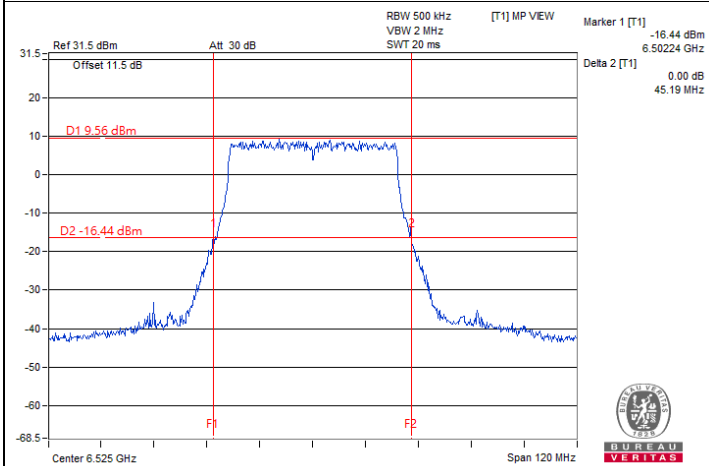
Spectrum Plot of Maximum Value



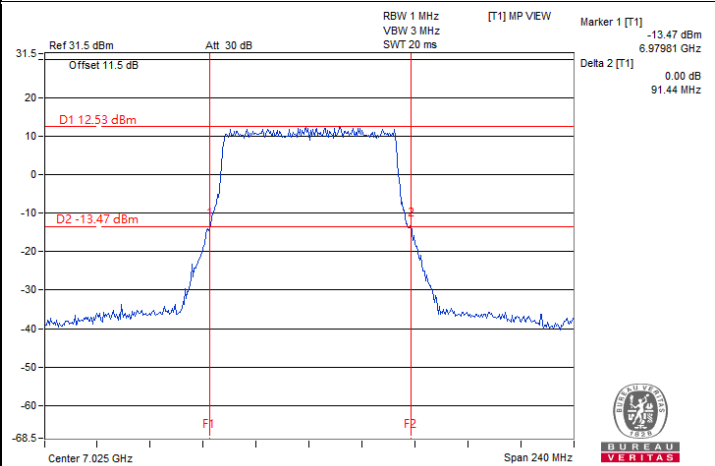
802.11a / Chain 1: CH 45



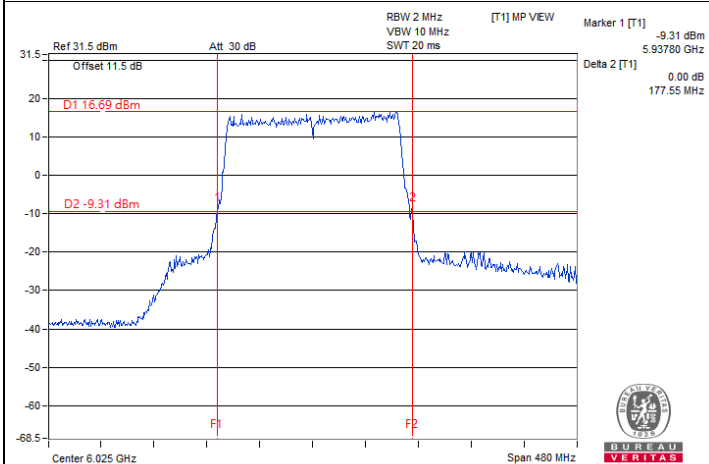
802.11be (EHT20) Beamforming / Chain 1: CH 1



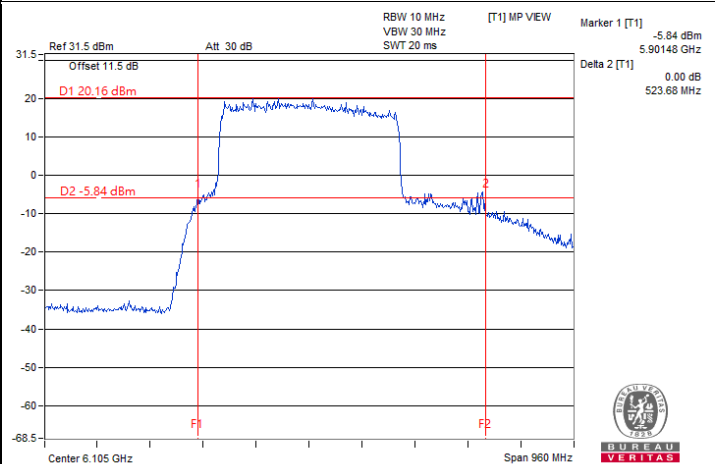
802.11be (EHT40) Beamforming / Chain 1: CH 115



802.11be (EHT80) Beamforming / Chain 0: CH 215

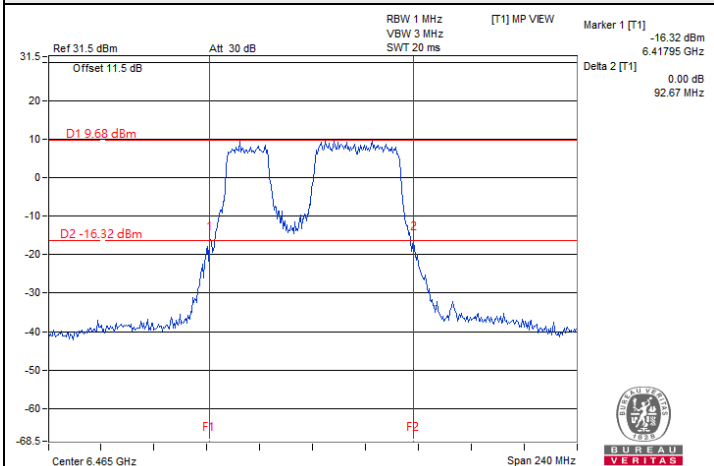


802.11be (EHT160) Beamforming / Chain 0: CH 15

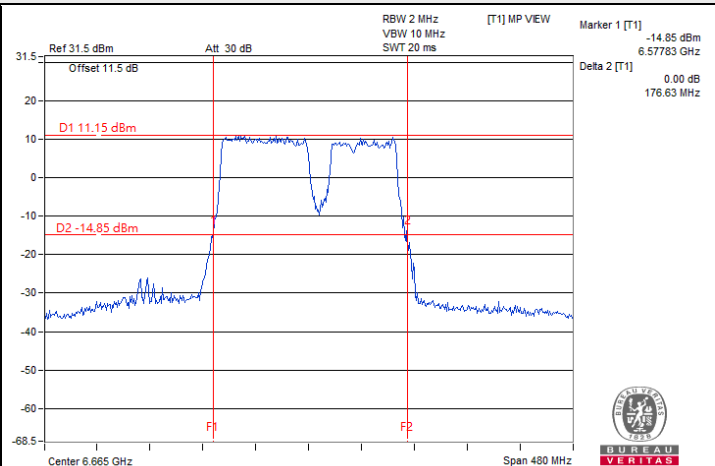


802.11be (EHT320) Beamforming / Chain 1: CH 31

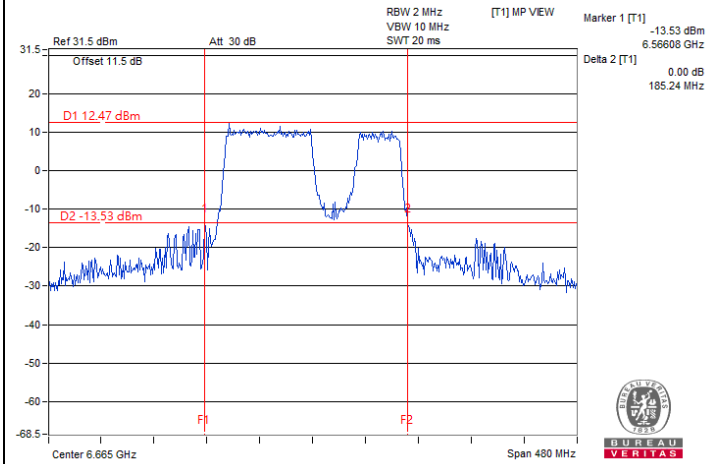
Spectrum Plot of Maximum Value



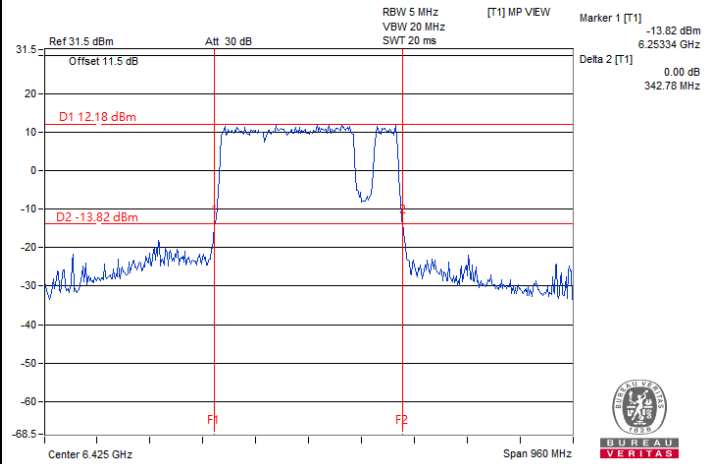
802.11be (EHT80) Punctured by 20 MHz /
Chain 1: CH 103



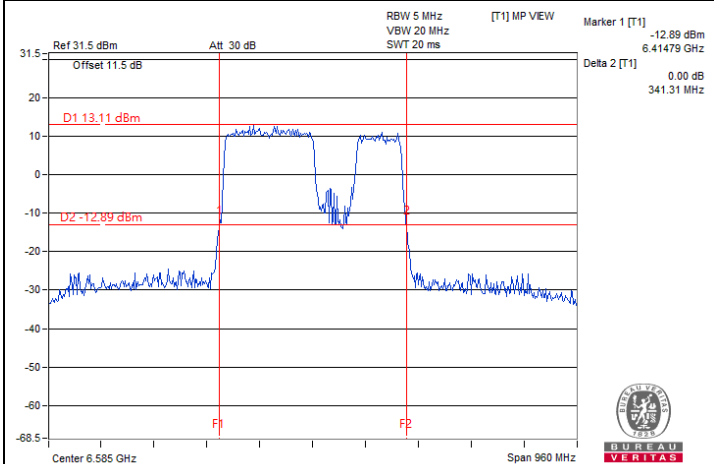
802.11be (EHT160) Punctured by 20 MHz /
Chain 1: CH 143



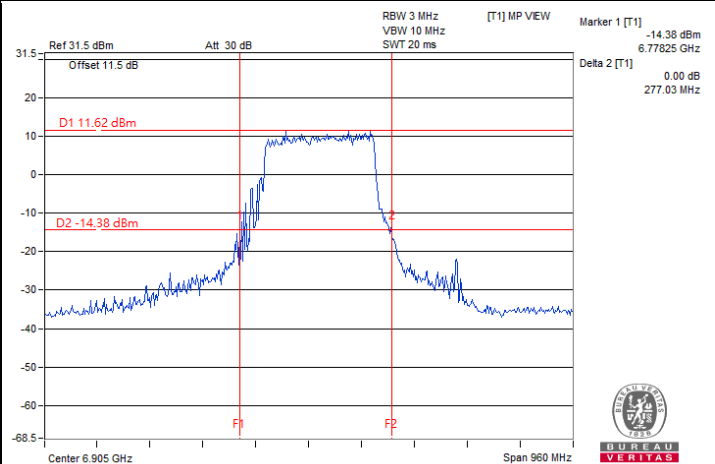
802.11be (EHT160) Punctured by 40 MHz /
Chain 0: CH 143



802.11be (EHT320) Punctured by 40 MHz /
Chain 1: CH 95



802.11be (EHT320) Punctured by 80 MHz /
Chain 1: CH 127

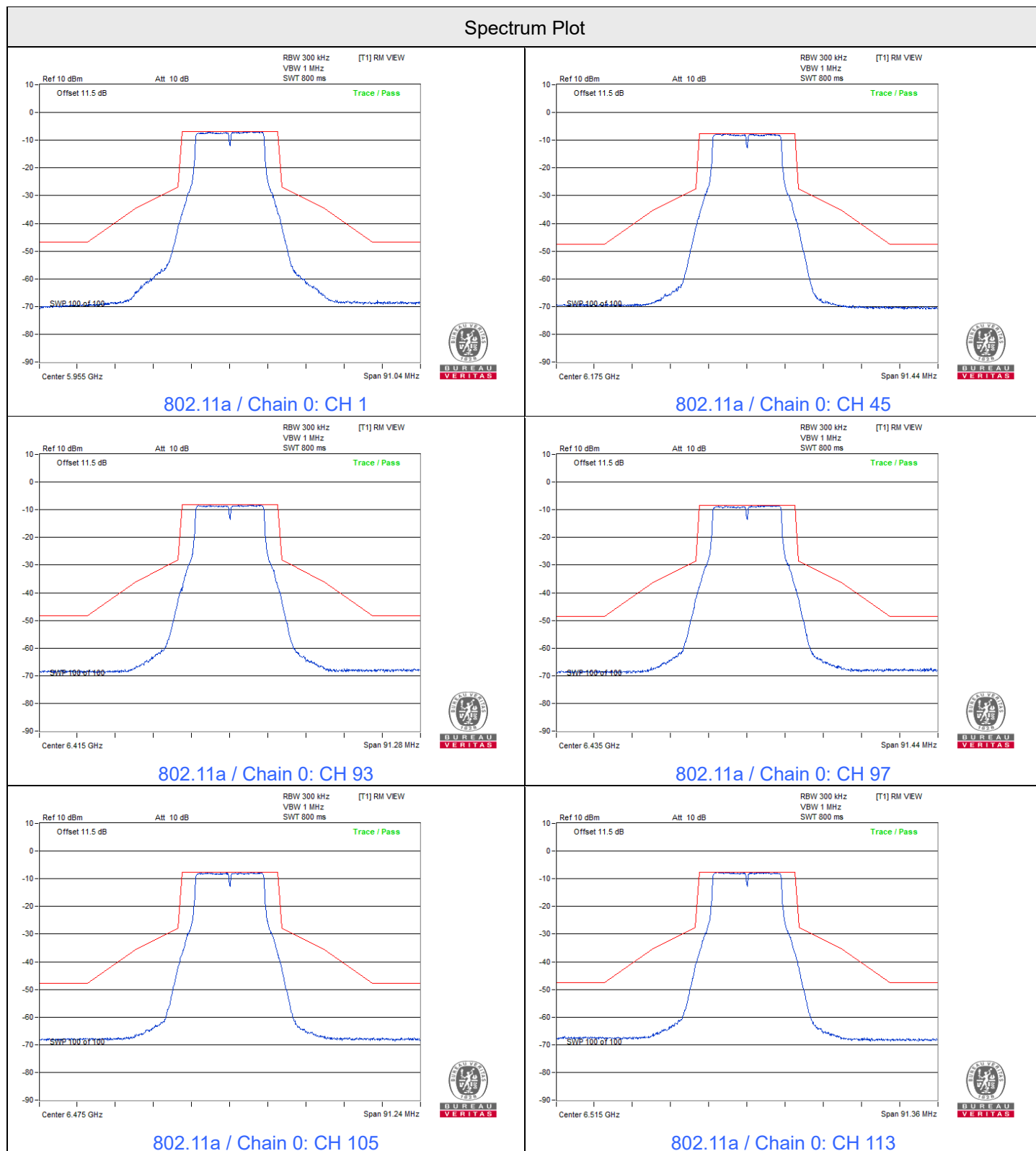


802.11be (EHT320) Punctured by 80+40 MHz /
Chain 0: CH 191

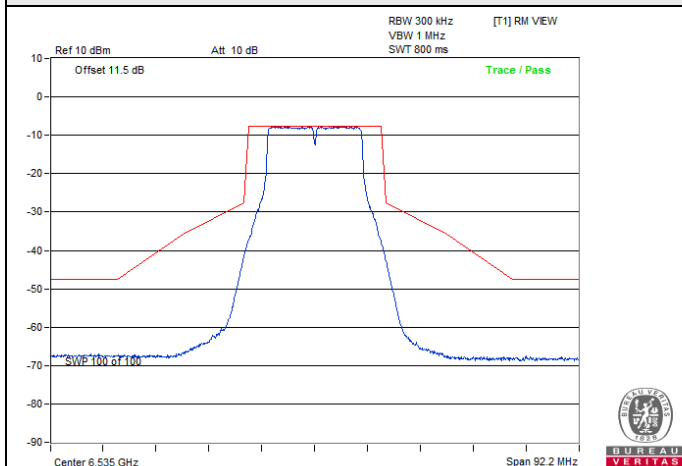
7.4 In-Band Emission Mask

Environmental Conditions:	25°C, 60% RH	Tested By:	Match Tsui
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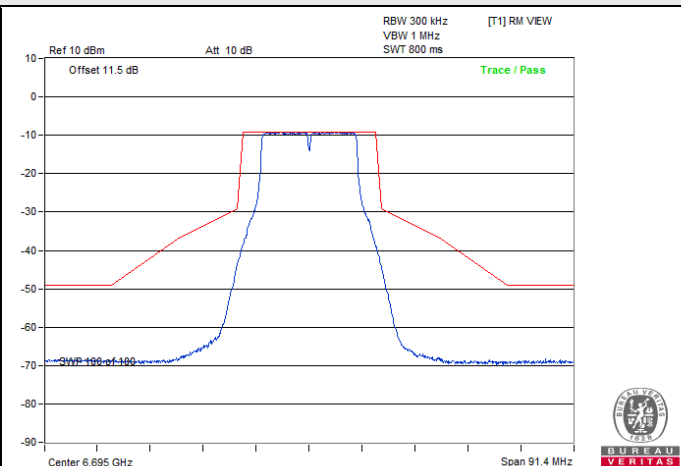
802.11a



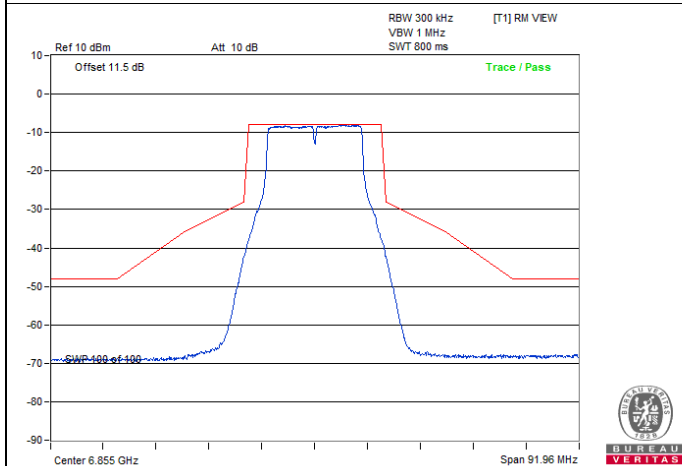
Spectrum Plot



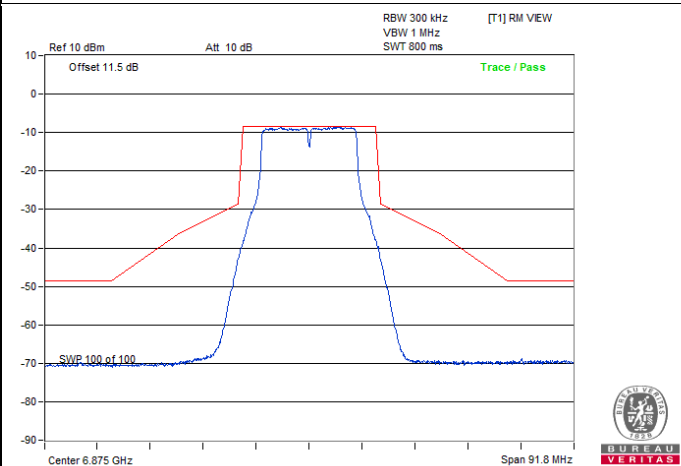
802.11a / Chain 0: CH 117



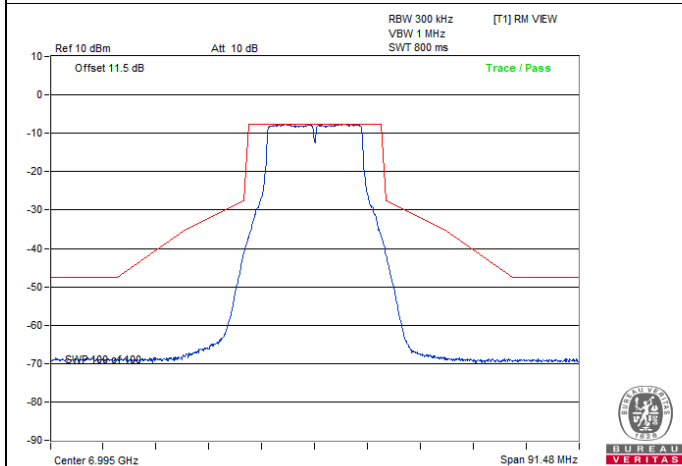
802.11a / Chain 0: CH 149



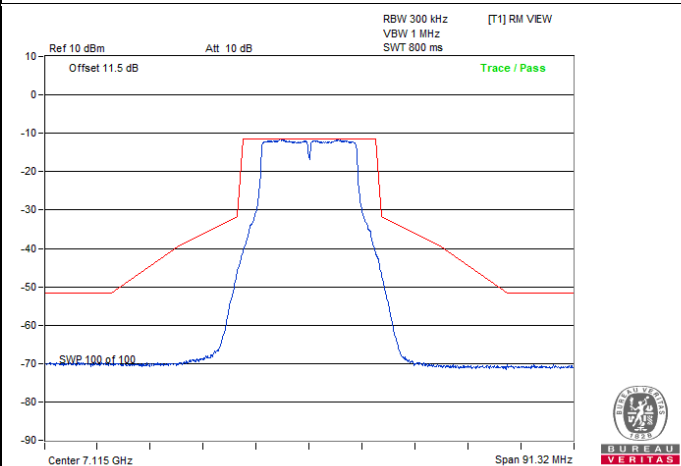
802.11a / Chain 0: CH 181



802.11a / Chain 0: CH 185

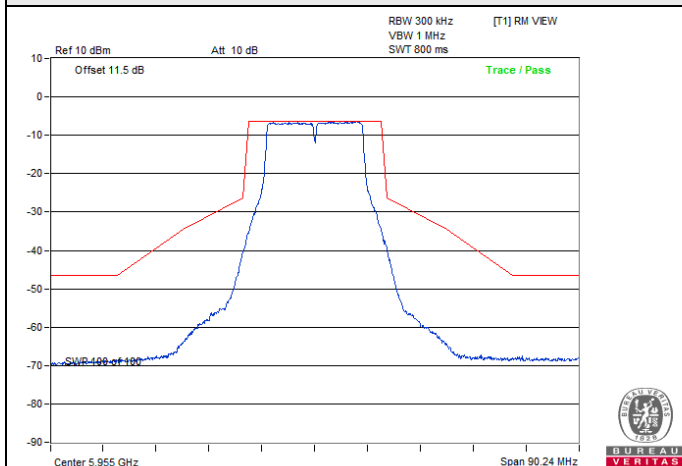


802.11a / Chain 0: CH 209

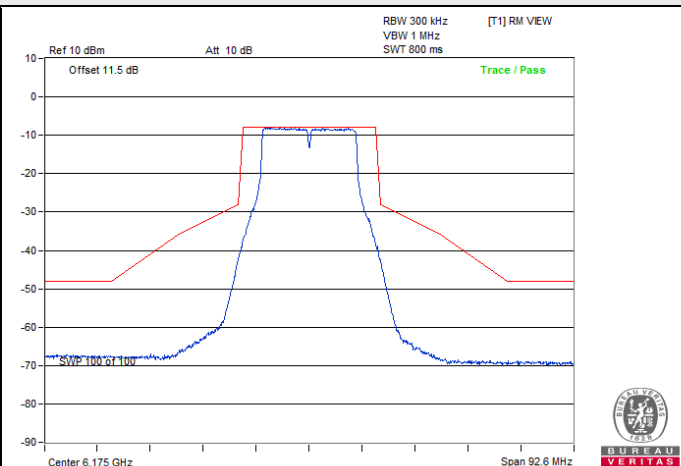


802.11a / Chain 0: CH 233

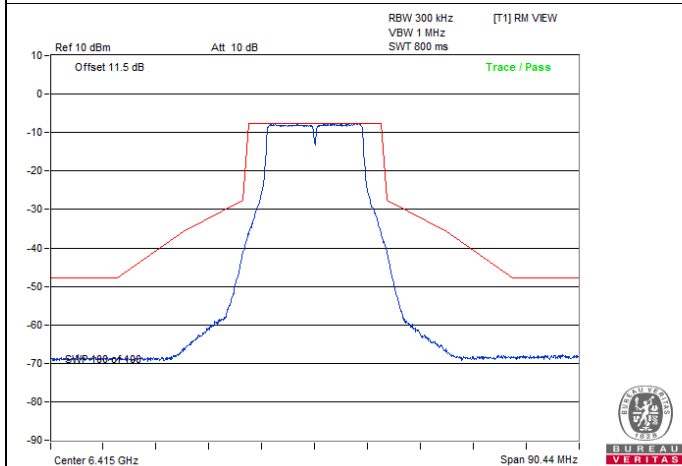
Spectrum Plot



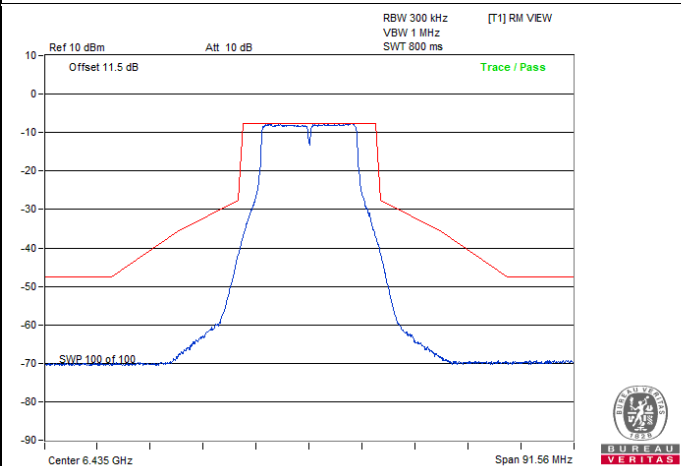
802.11a / Chain 1: CH 1



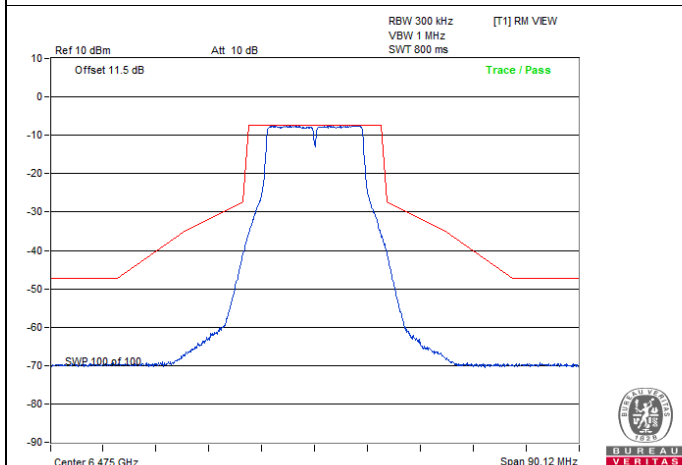
802.11a / Chain 1: CH 45



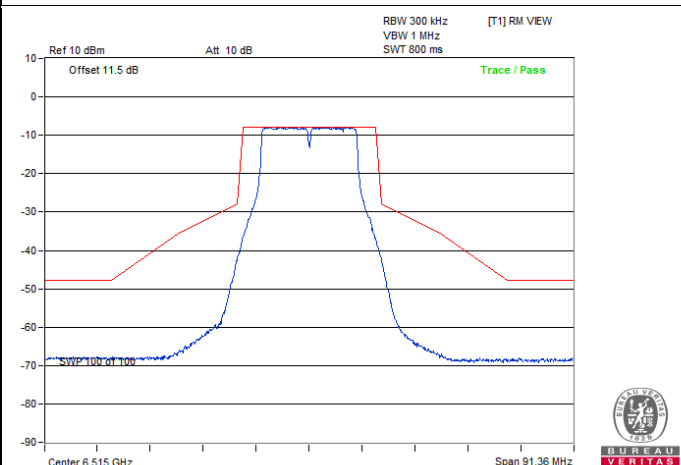
802.11a / Chain 1: CH 93



802.11a / Chain 1: CH 97

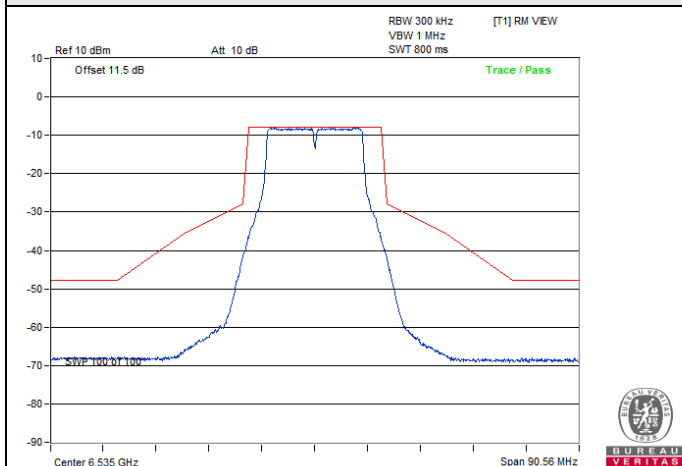


802.11a / Chain 1: CH 105

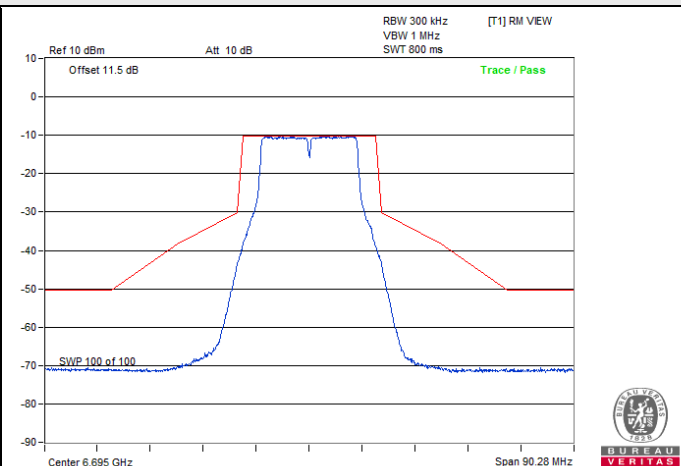


802.11a / Chain 1: CH 113

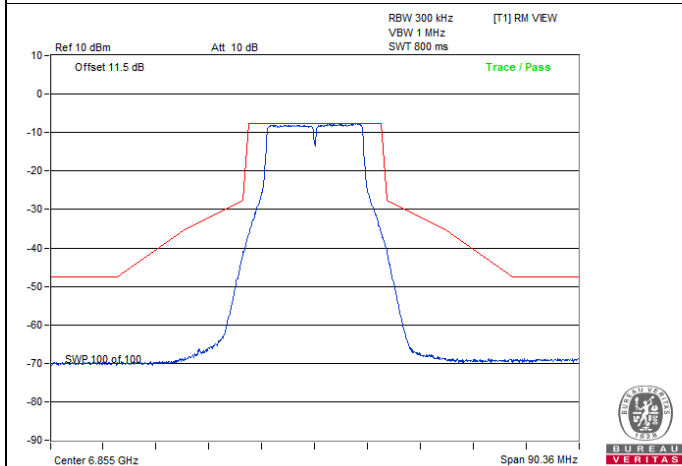
Spectrum Plot



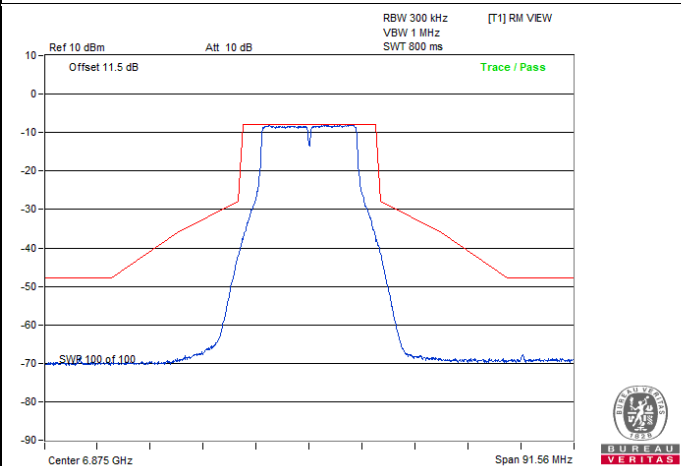
802.11a / Chain 1: CH 117



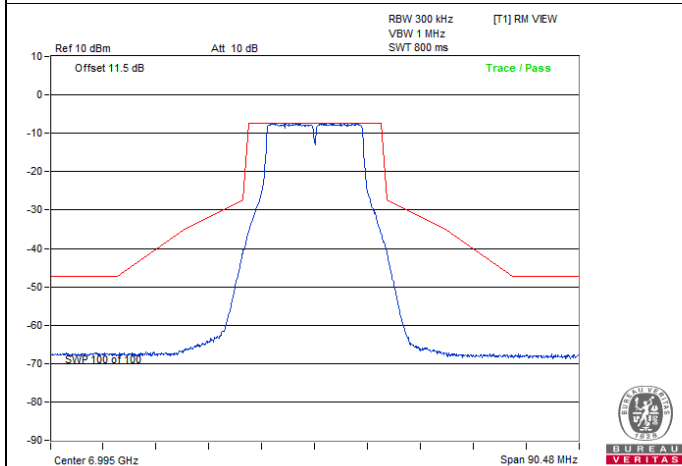
802.11a / Chain 1: CH 149



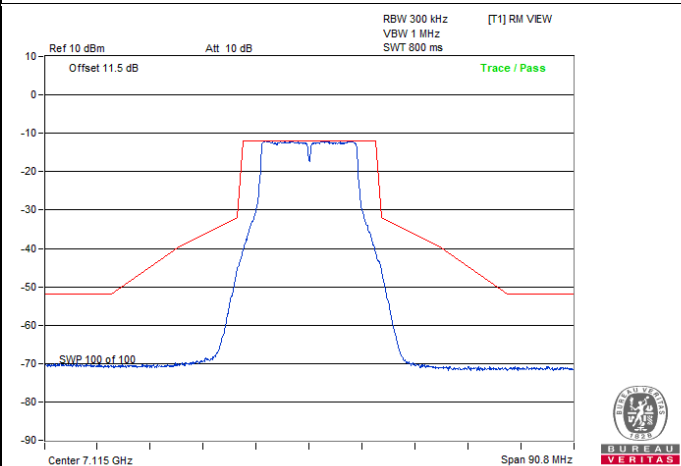
802.11a / Chain 1: CH 181



802.11a / Chain 1: CH 185



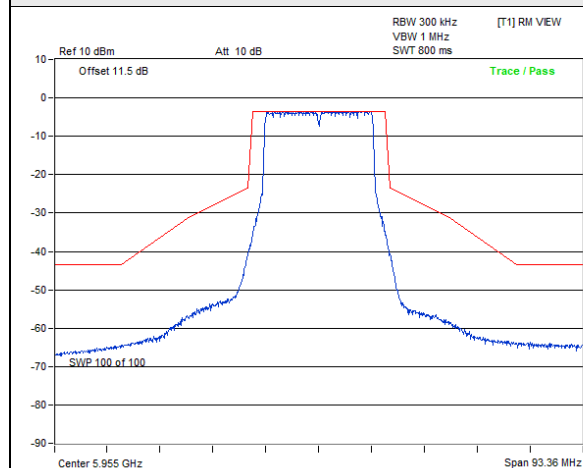
802.11a / Chain 1: CH 209



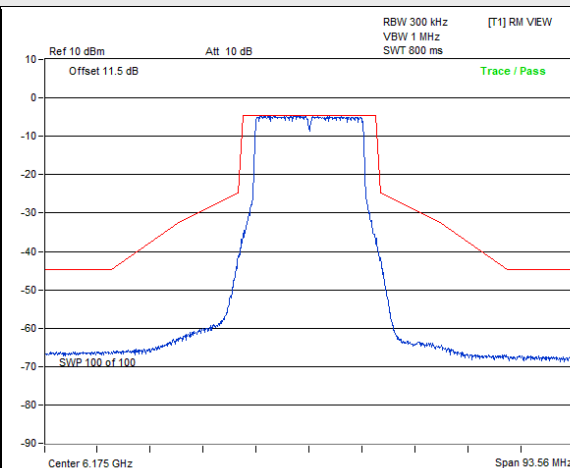
802.11a / Chain 1: CH 233

802.11be (EHT20) Beamforming

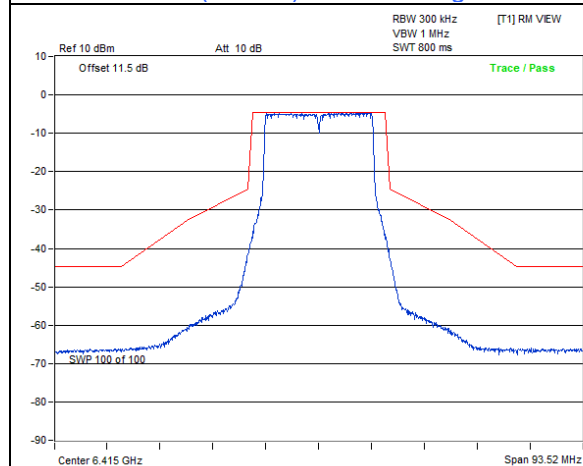
Spectrum Plot



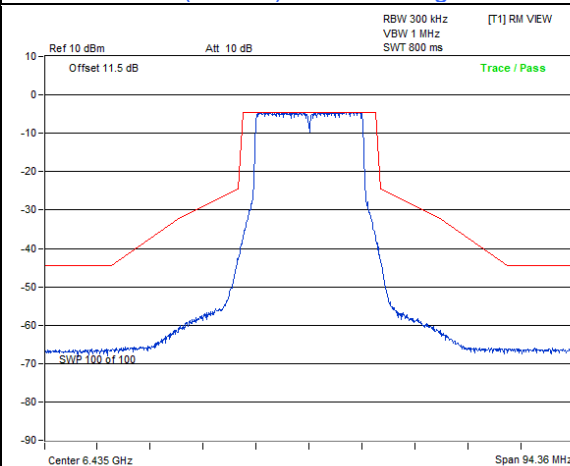
802.11be (EHT20) Beamforming / Chain 0: CH 1



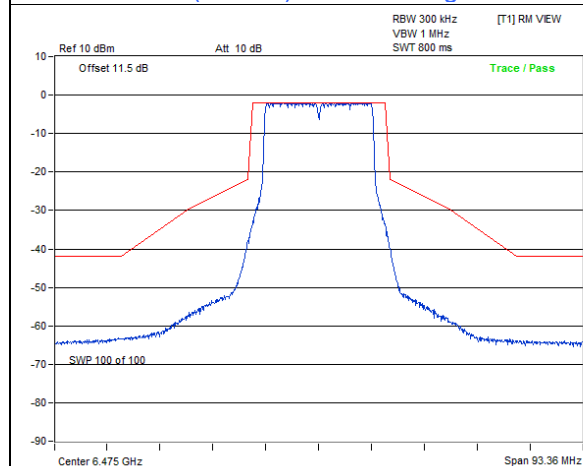
802.11be (EHT20) Beamforming / Chain 0: CH 45



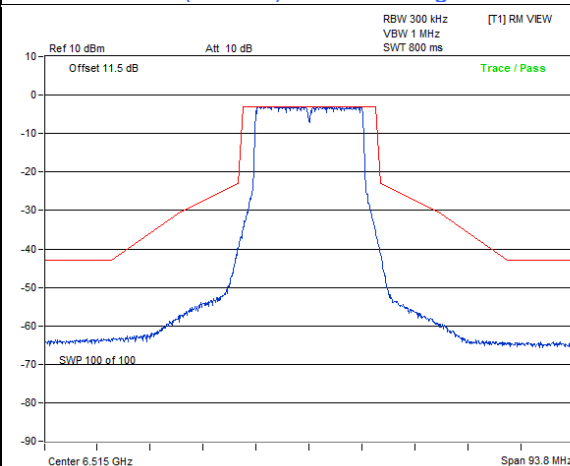
802.11be (EHT20) Beamforming / Chain 0: CH 93



802.11be (EHT20) Beamforming / Chain 0: CH 97

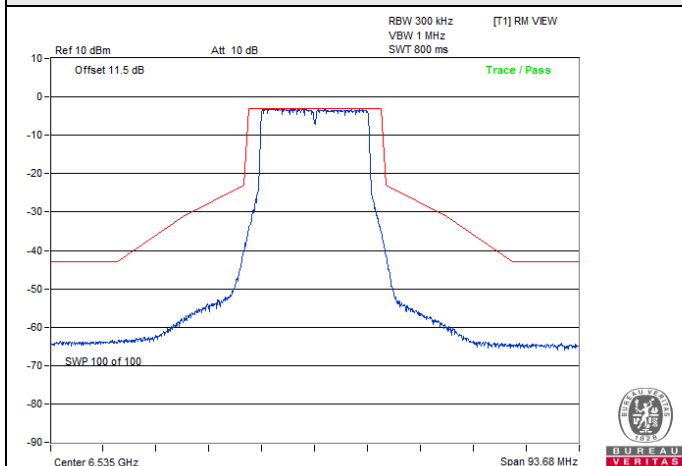


802.11be (EHT20) Beamforming / Chain 0: CH 105

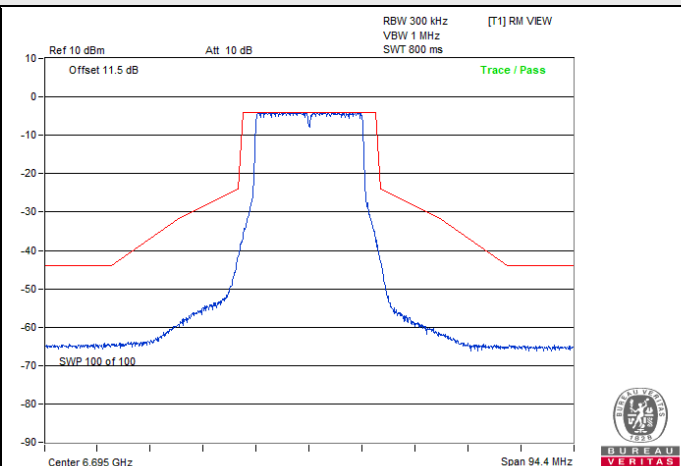


802.11be (EHT20) Beamforming / Chain 0: CH 113

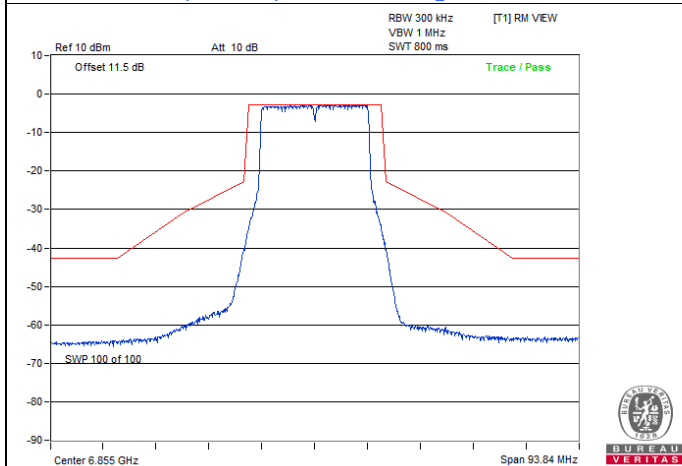
Spectrum Plot



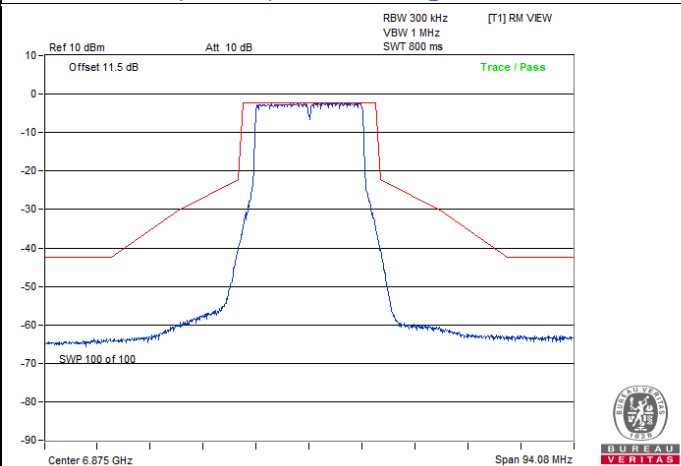
802.11be (EHT20) Beamforming / Chain 0: CH 117



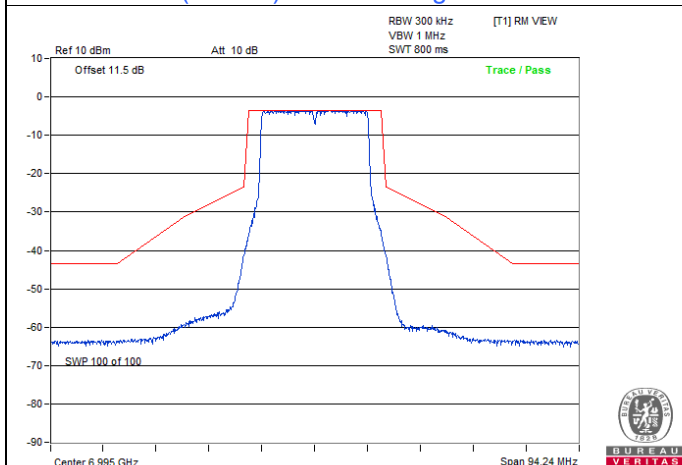
802.11be (EHT20) Beamforming / Chain 0: CH 149



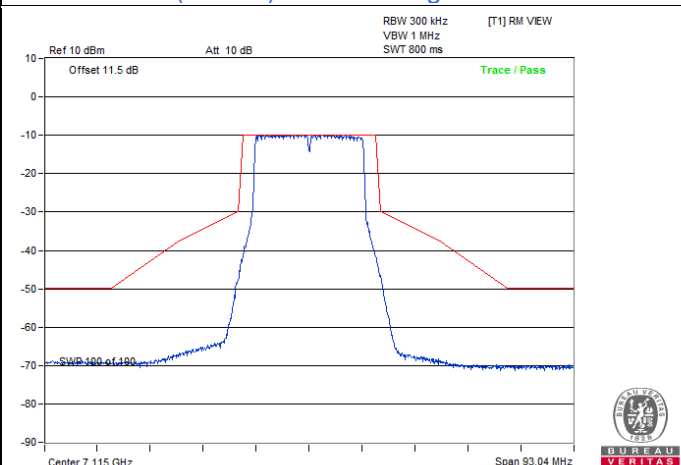
802.11be (EHT20) Beamforming / Chain 0: CH 181



802.11be (EHT20) Beamforming / Chain 0: CH 185

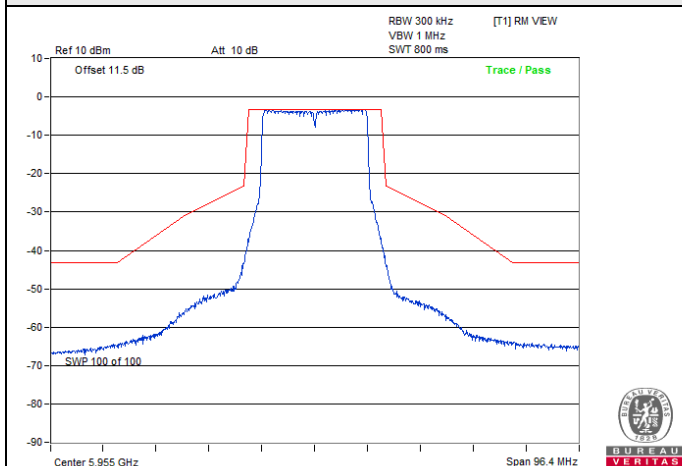


802.11be (EHT20) Beamforming / Chain 0: CH 209

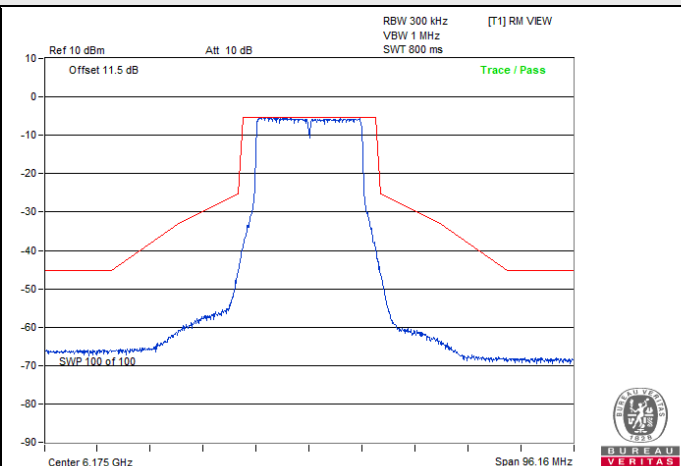


802.11be (EHT20) Beamforming / Chain 0: CH 233

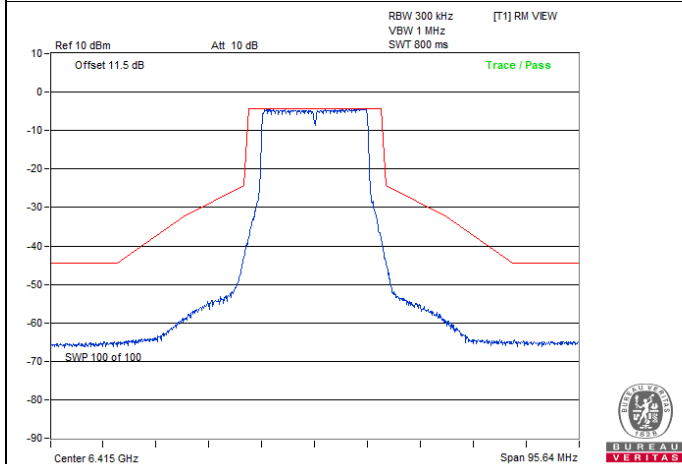
Spectrum Plot



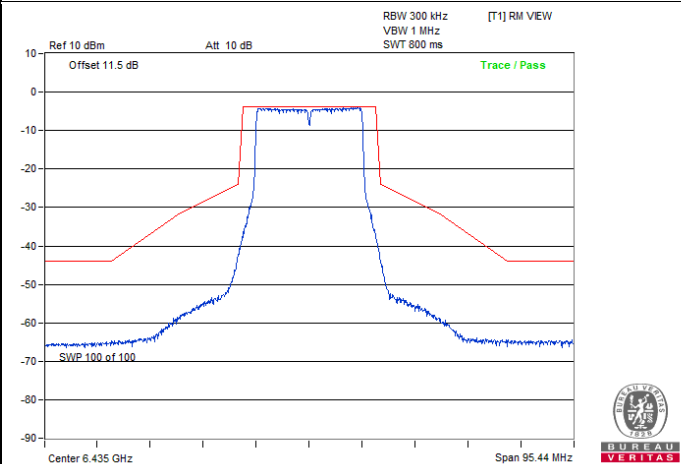
802.11be (EHT20) Beamforming / Chain 1: CH 1



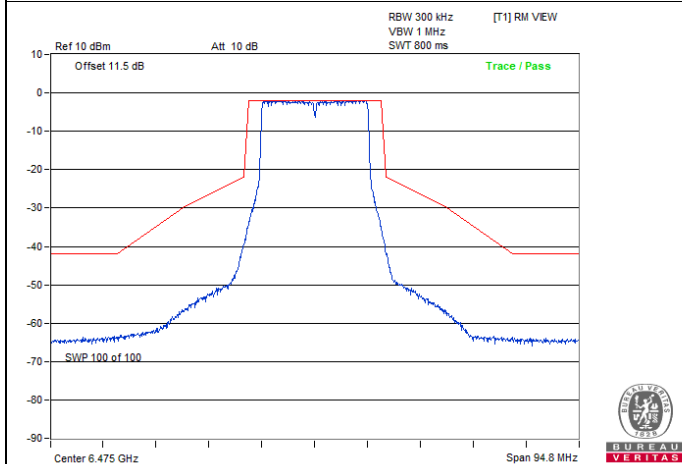
802.11be (EHT20) Beamforming / Chain 1: CH 45



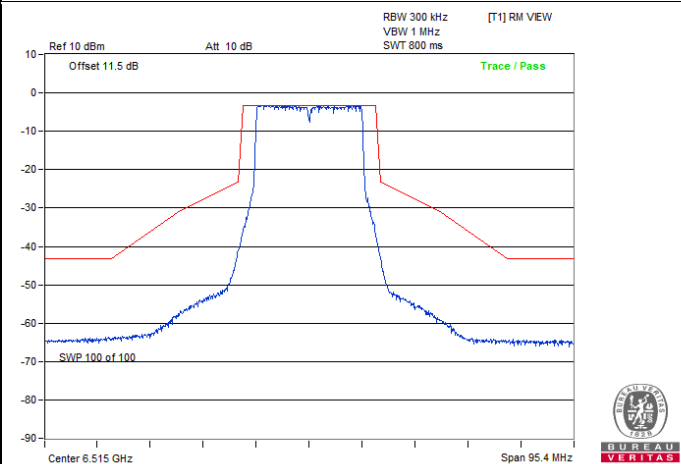
802.11be (EHT20) Beamforming / Chain 1: CH 93



802.11be (EHT20) Beamforming / Chain 1: CH 97

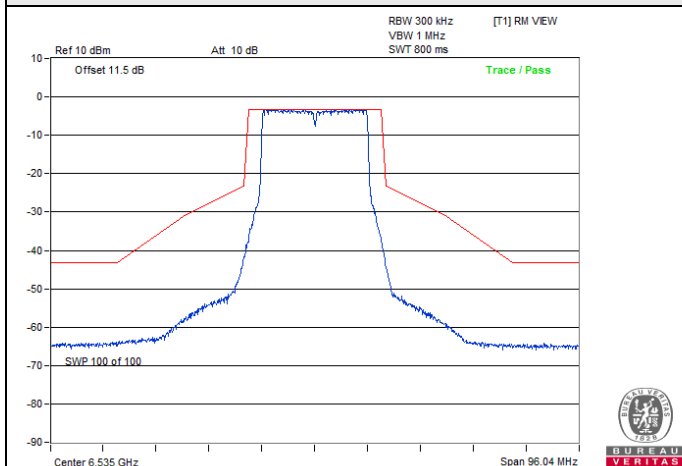


802.11be (EHT20) Beamforming / Chain 1: CH 105

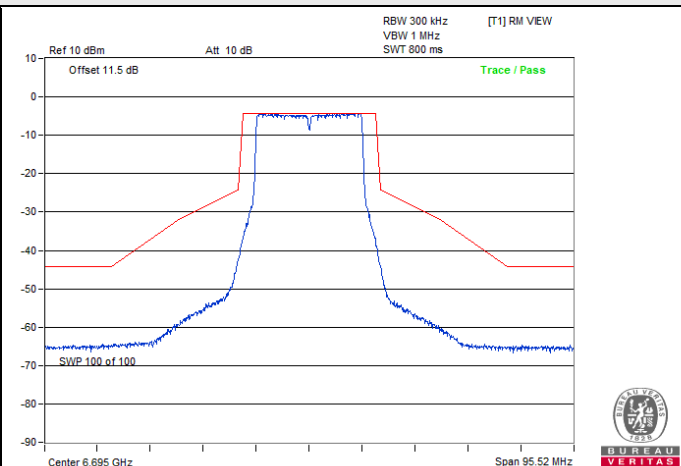


802.11be (EHT20) Beamforming / Chain 1: CH 113

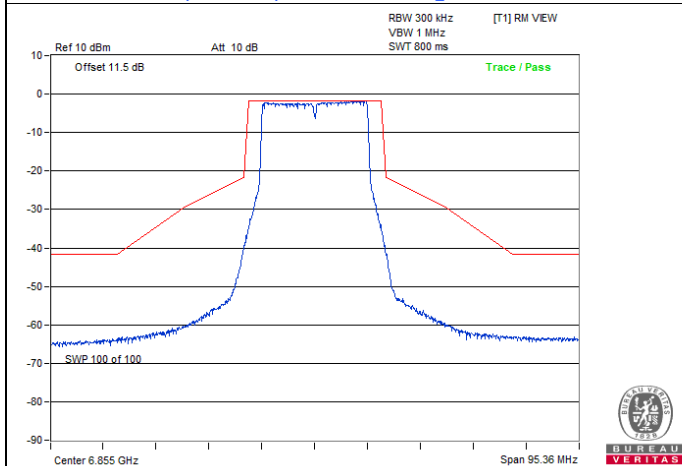
Spectrum Plot



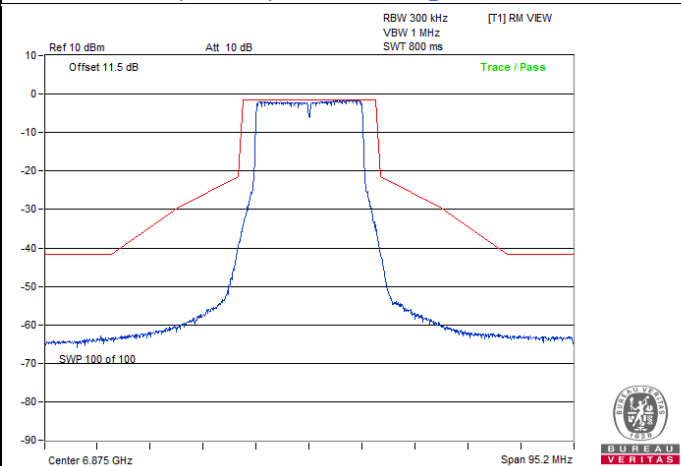
802.11be (EHT20) Beamforming / Chain 1: CH 117



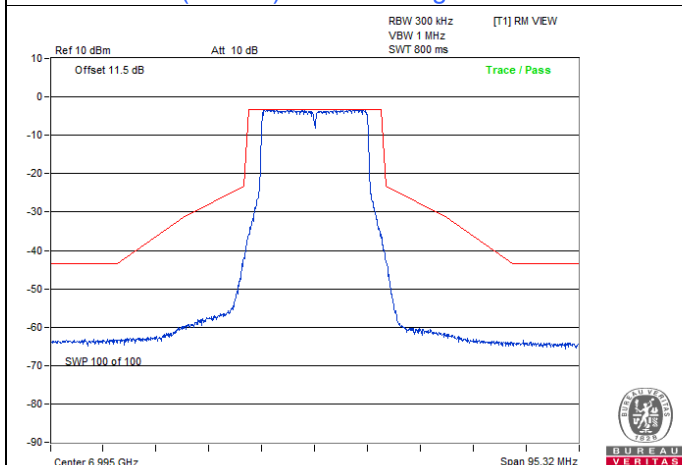
802.11be (EHT20) Beamforming / Chain 1: CH 149



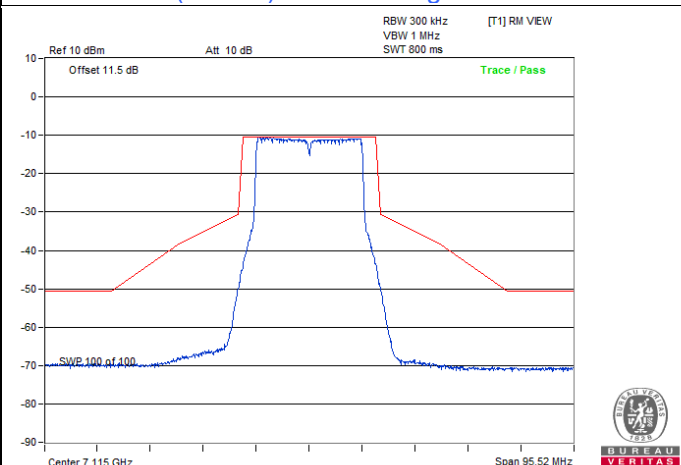
802.11be (EHT20) Beamforming / Chain 1: CH 181



802.11be (EHT20) Beamforming / Chain 1: CH 185



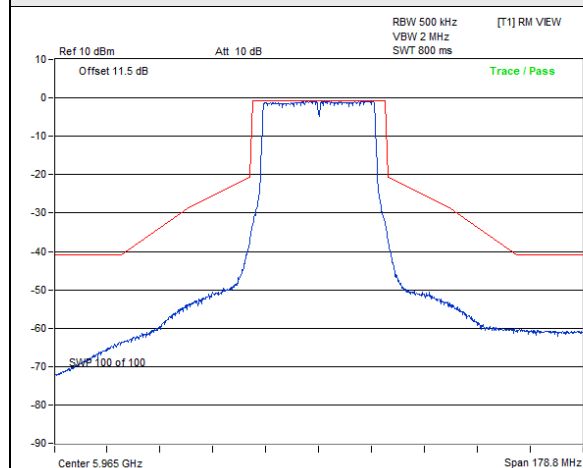
802.11be (EHT20) Beamforming / Chain 1: CH 209



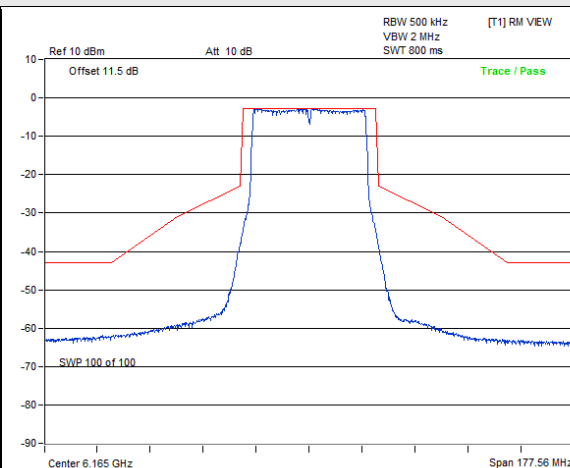
802.11be (EHT20) Beamforming / Chain 1: CH 233

802.11be (EHT40) Beamforming

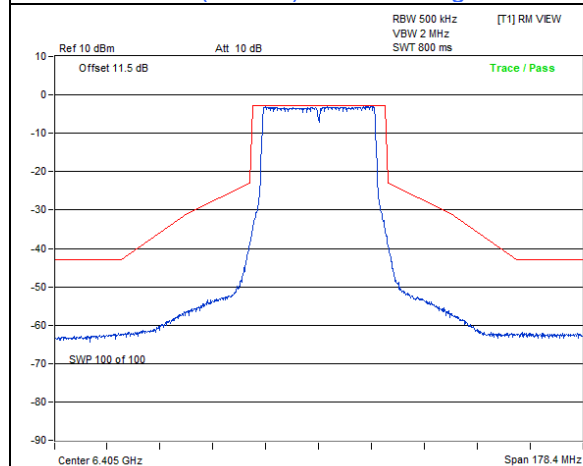
Spectrum Plot



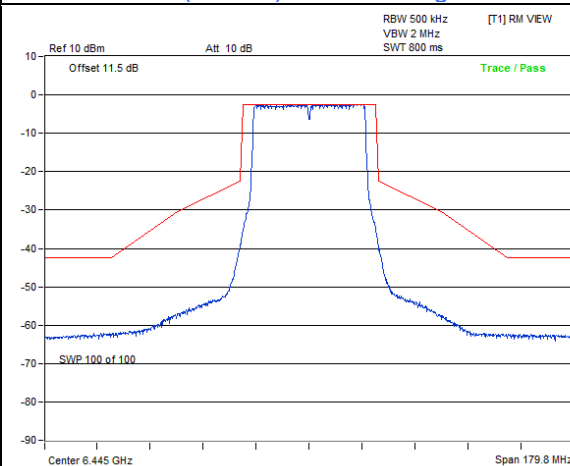
802.11be (EHT40) Beamforming / Chain 0: CH 3



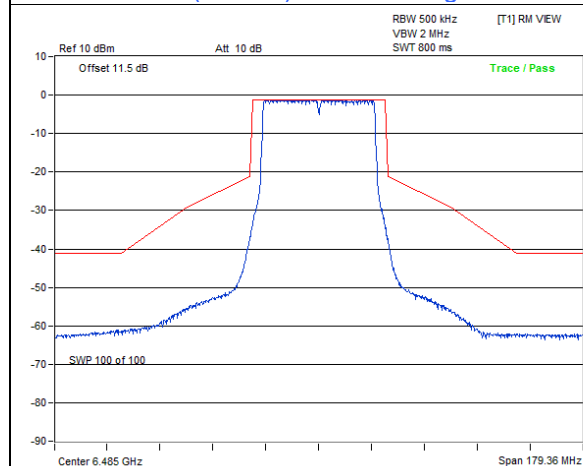
802.11be (EHT40) Beamforming / Chain 0: CH 43



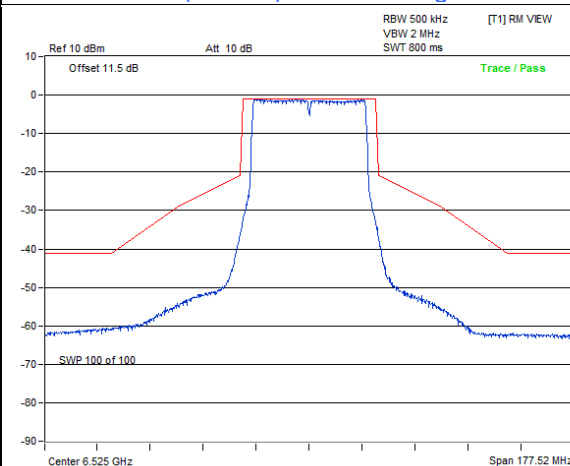
802.11be (EHT40) Beamforming / Chain 0: CH 91



802.11be (EHT40) Beamforming / Chain 0: CH 99

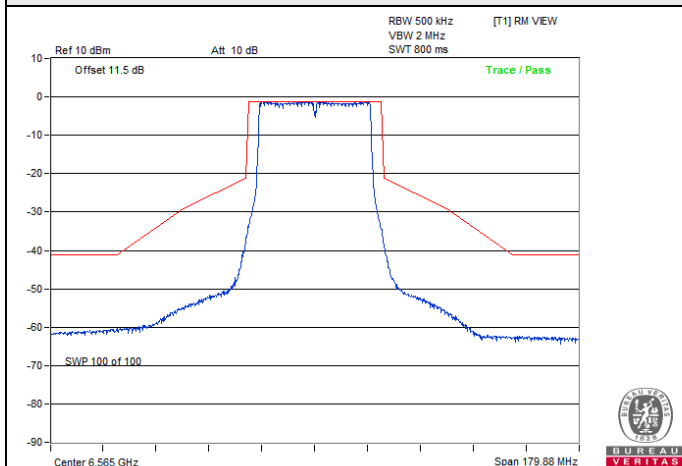


802.11be (EHT40) Beamforming / Chain 0: CH 107

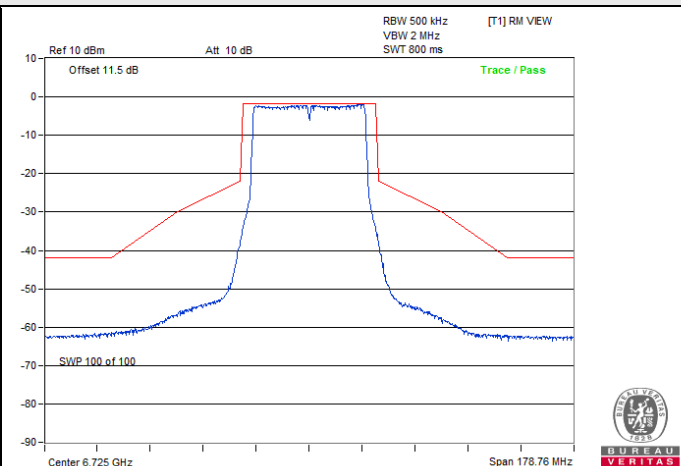


802.11be (EHT40) Beamforming / Chain 0: CH 115

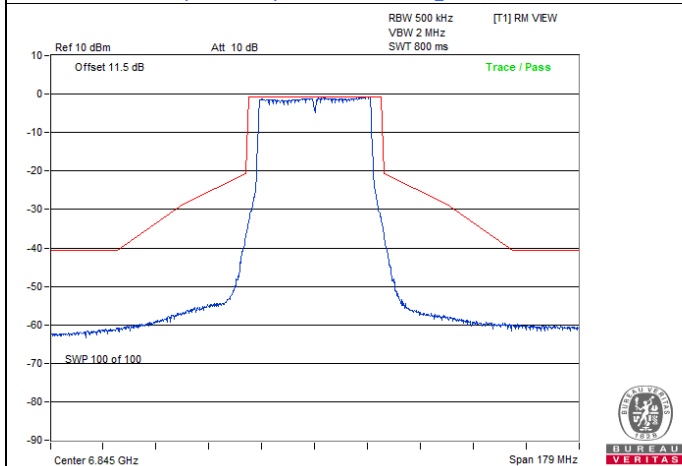
Spectrum Plot



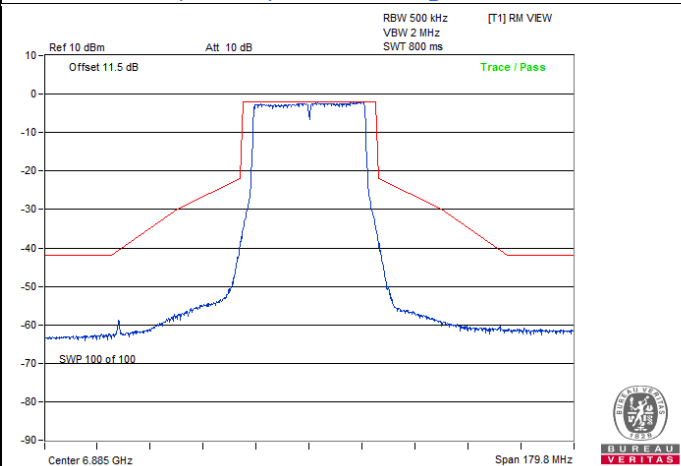
802.11be (EHT40) Beamforming / Chain 0: CH 123



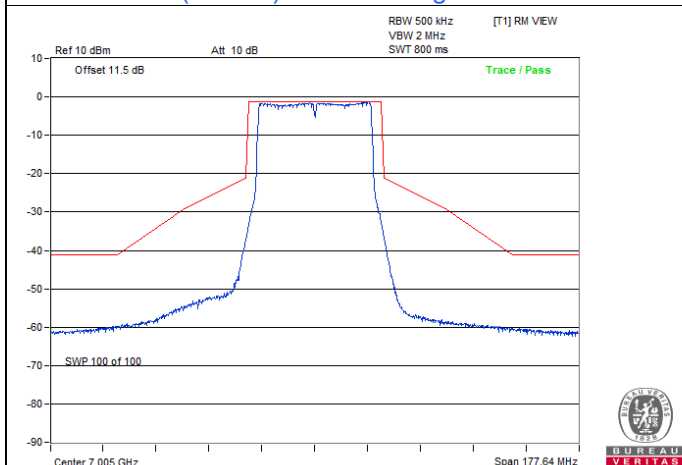
802.11be (EHT40) Beamforming / Chain 0: CH 155



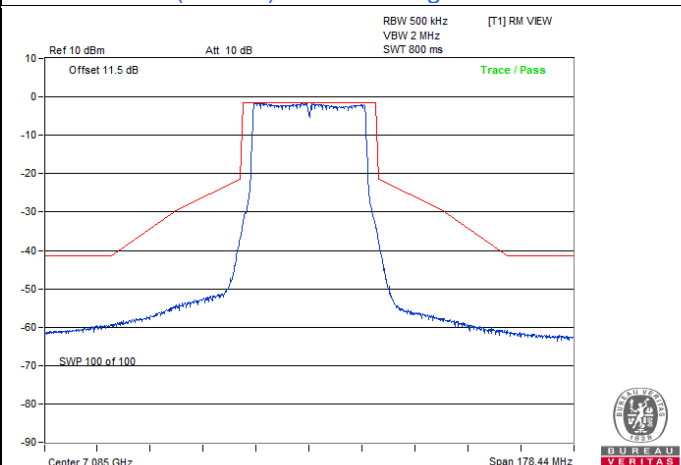
802.11be (EHT40) Beamforming / Chain 0: CH 179



802.11be (EHT40) Beamforming / Chain 0: CH 187

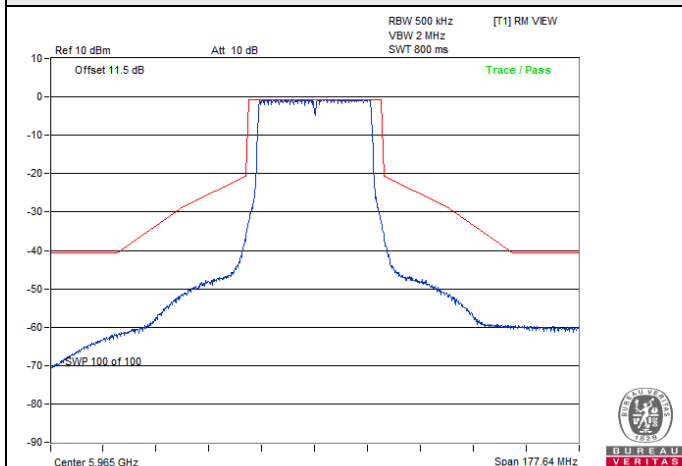


802.11be (EHT40) Beamforming / Chain 0: CH 211

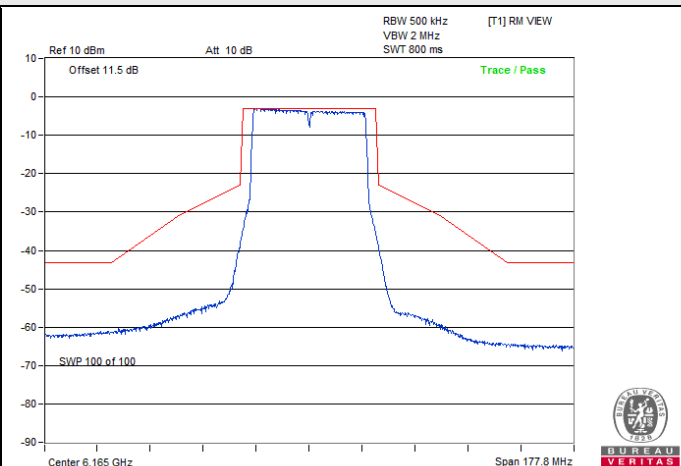


802.11be (EHT40) Beamforming / Chain 0: CH 227

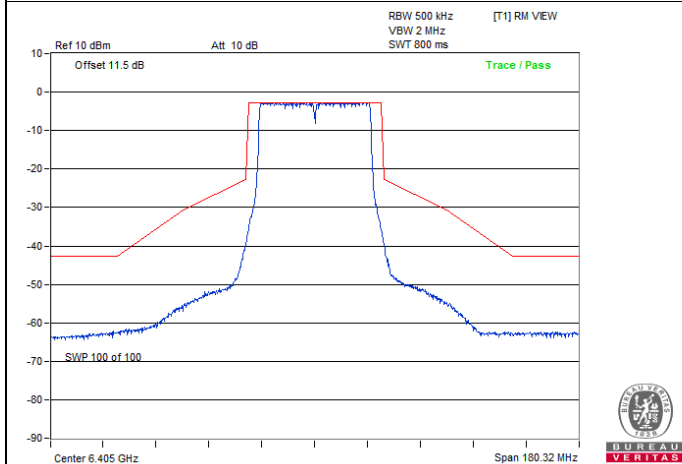
Spectrum Plot



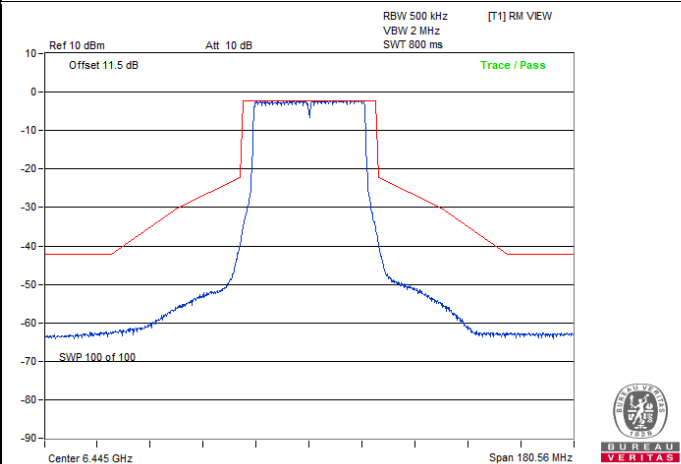
802.11be (EHT40) Beamforming / Chain 1: CH 3



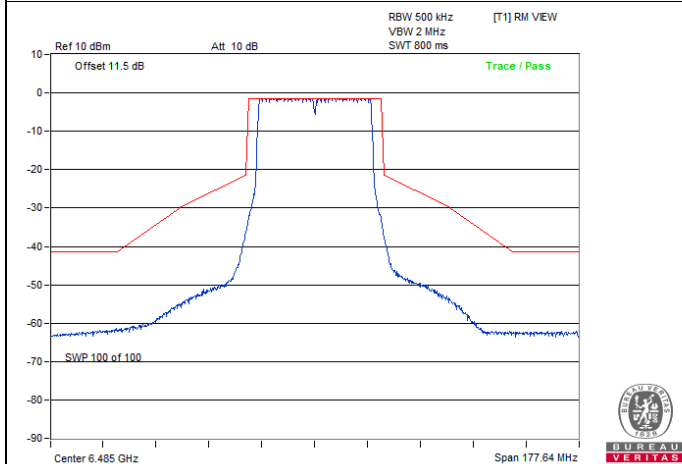
802.11be (EHT40) Beamforming / Chain 1: CH 43



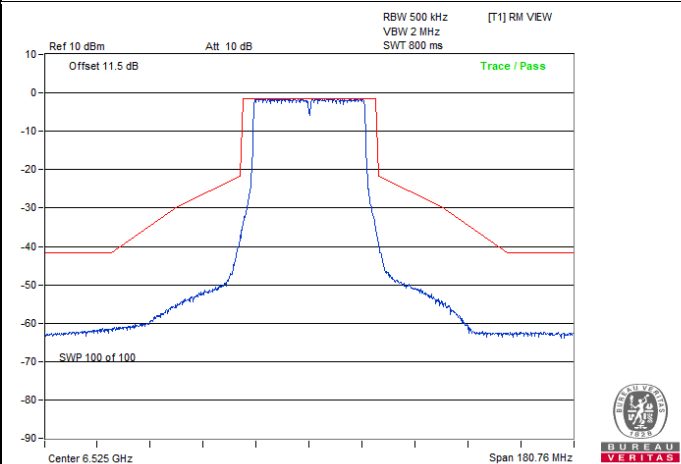
802.11be (EHT40) Beamforming / Chain 1: CH 91



802.11be (EHT40) Beamforming / Chain 1: CH 99

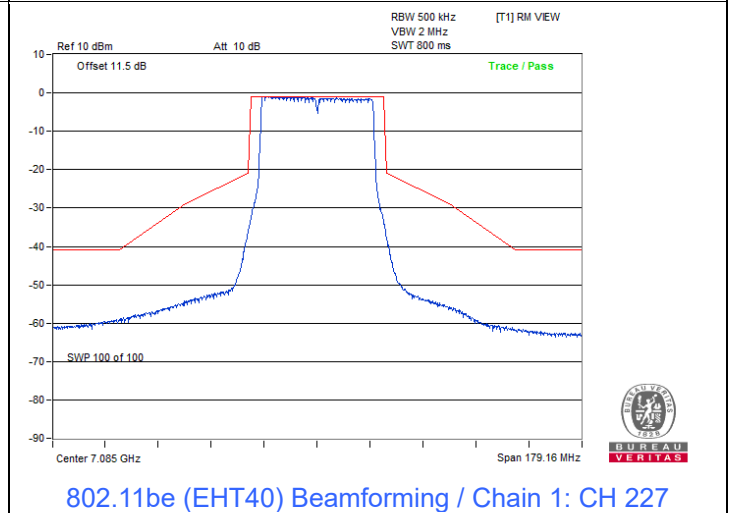
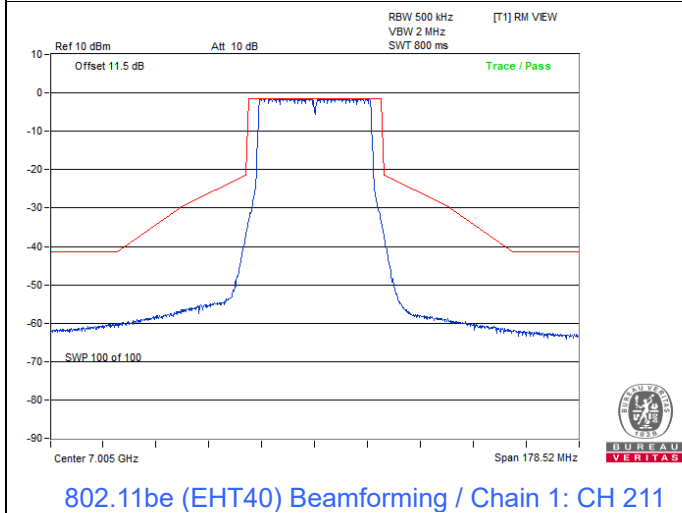
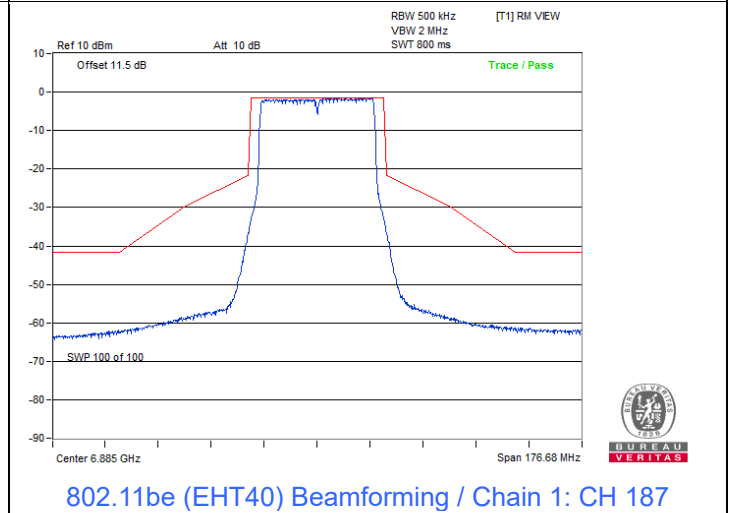
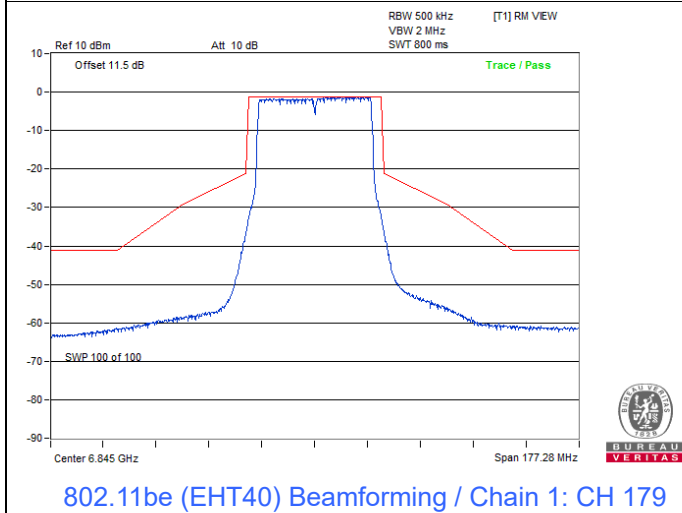
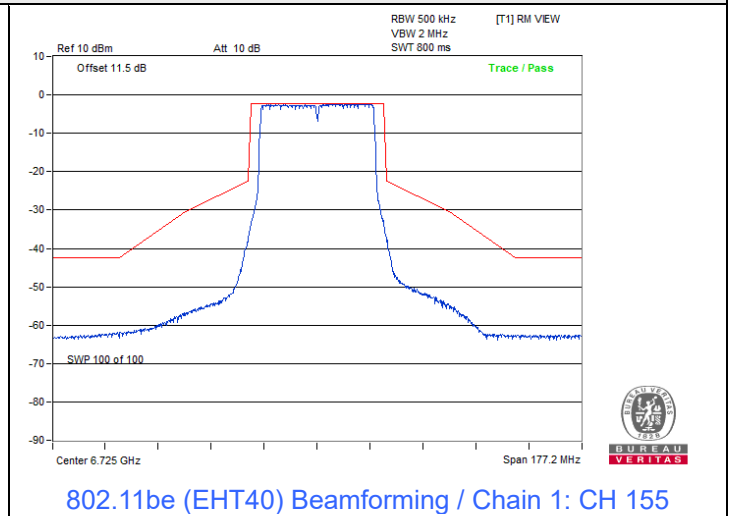
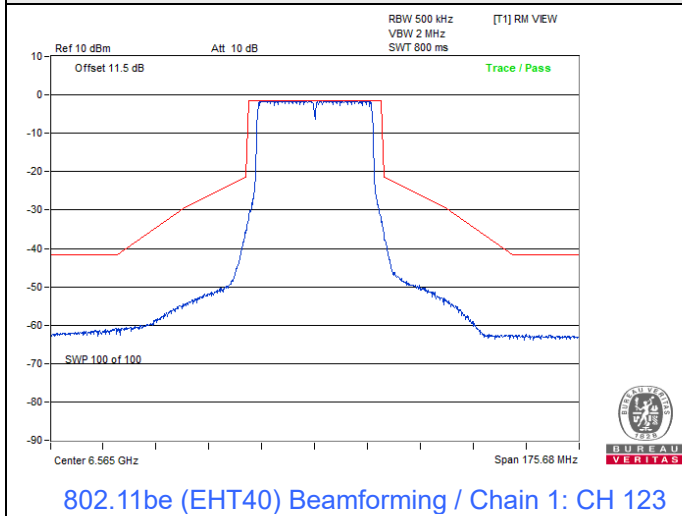


802.11be (EHT40) Beamforming / Chain 1: CH 107



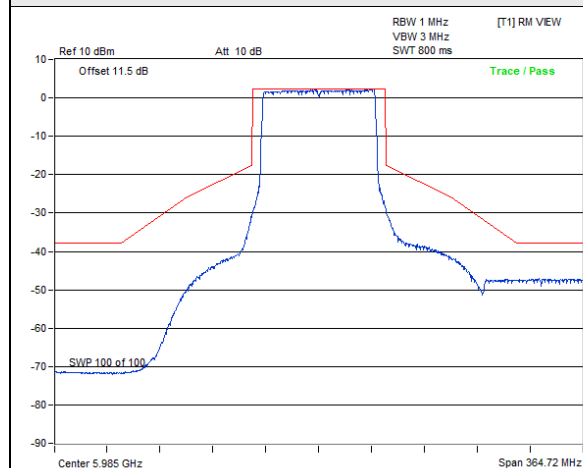
802.11be (EHT40) Beamforming / Chain 1: CH 115

Spectrum Plot

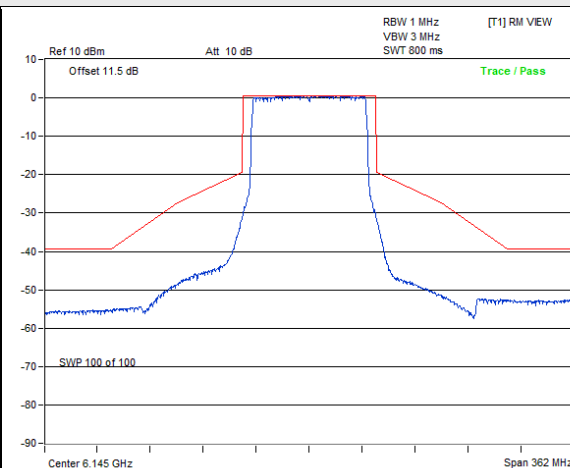


802.11be (EHT80) Beamforming

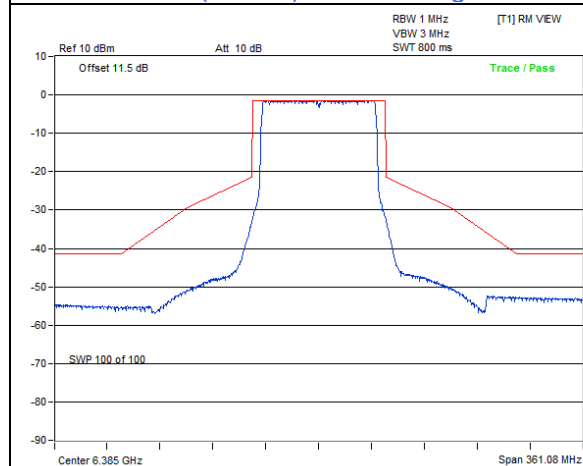
Spectrum Plot



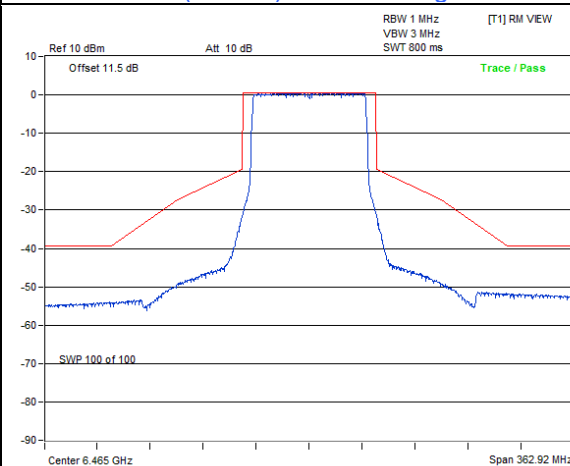
802.11be (EHT80) Beamforming / Chain 0: CH 7



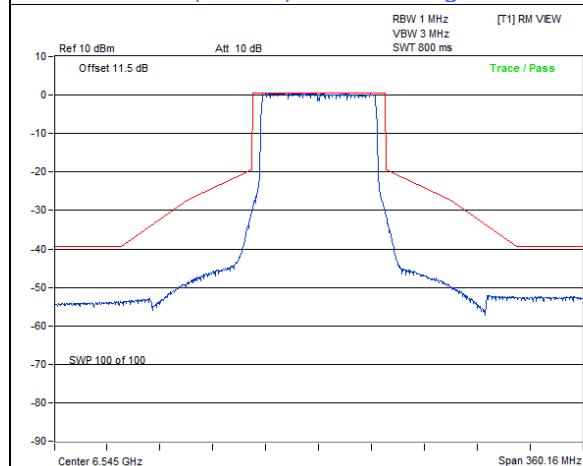
802.11be (EHT80) Beamforming / Chain 0: CH 39



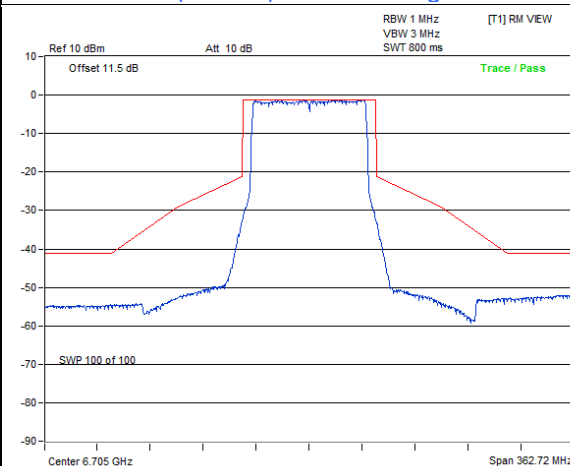
802.11be (EHT80) Beamforming / Chain 0: CH 87



802.11be (EHT80) Beamforming / Chain 0: CH 103

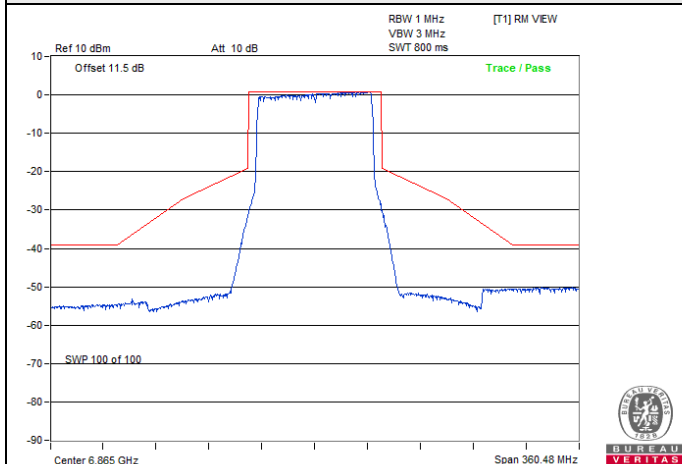


802.11be (EHT80) Beamforming / Chain 0: CH 119

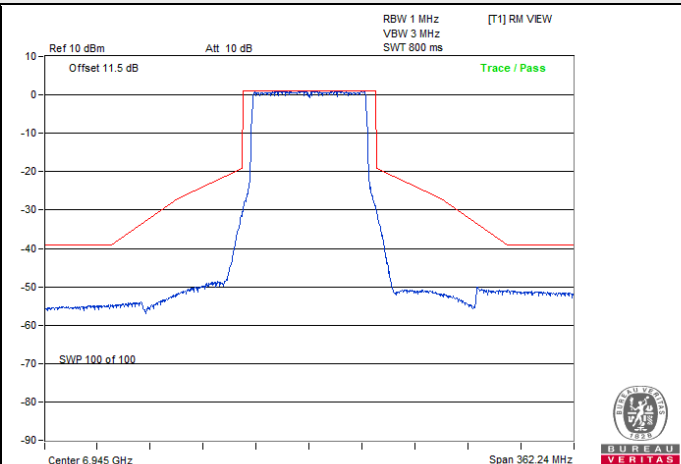


802.11be (EHT80) Beamforming / Chain 0: CH 151

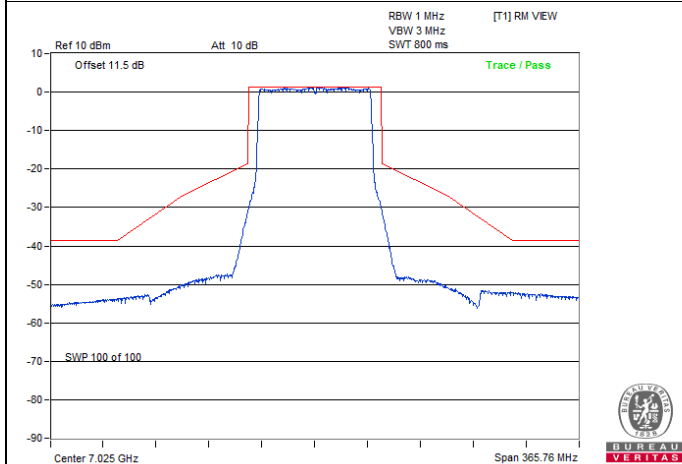
Spectrum Plot



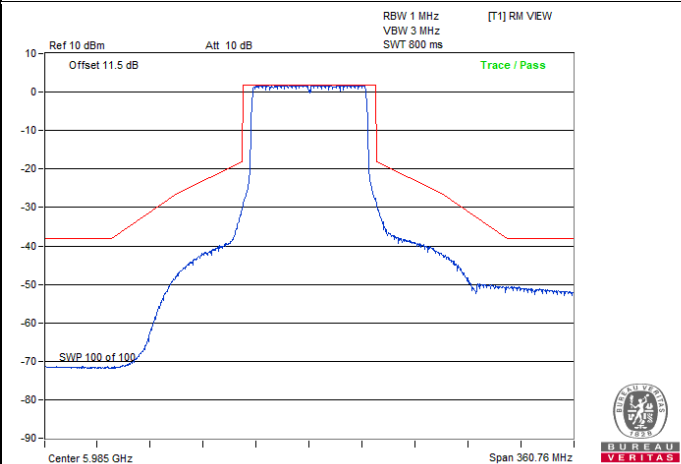
802.11be (EHT80) Beamforming / Chain 0: CH 183



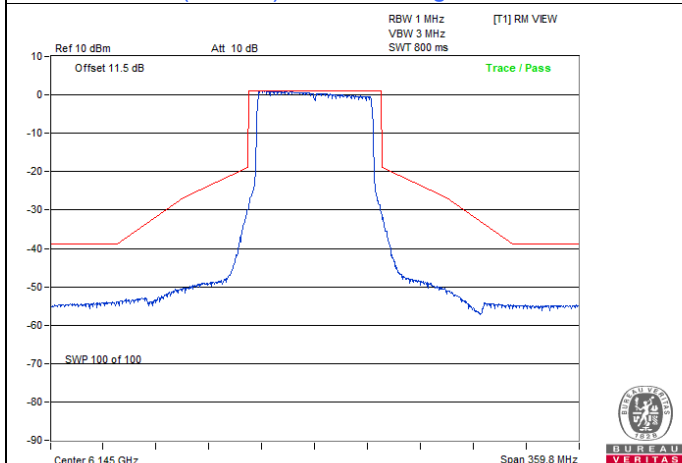
802.11be (EHT80) Beamforming / Chain 0: CH 199



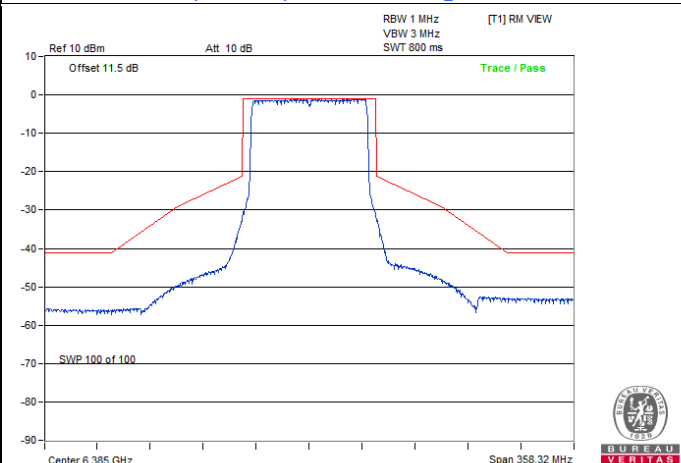
802.11be (EHT80) Beamforming / Chain 0: CH 215



802.11be (EHT80) Beamforming / Chain 1: CH 7

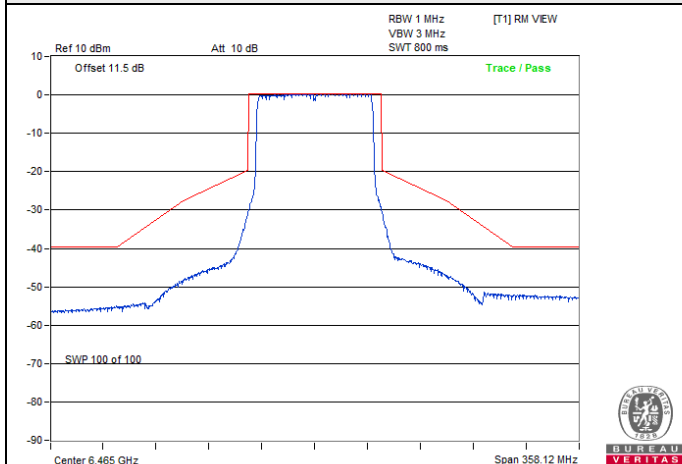


802.11be (EHT80) Beamforming / Chain 1: CH 39

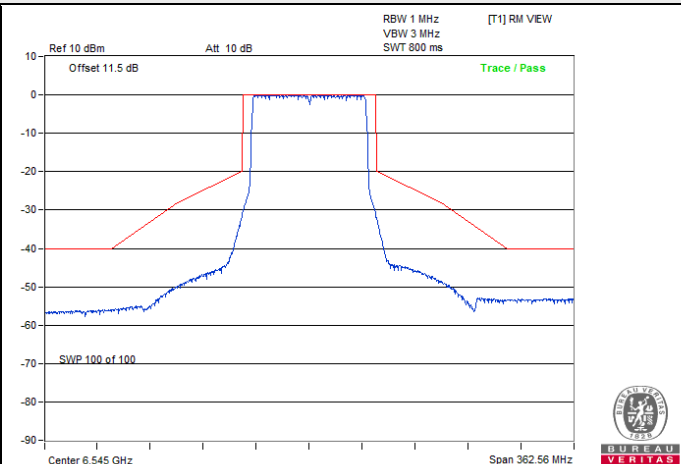


802.11be (EHT80) Beamforming / Chain 1: CH 87

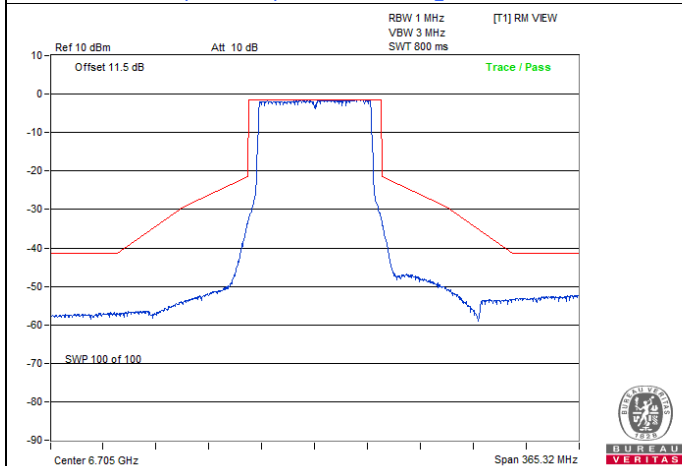
Spectrum Plot



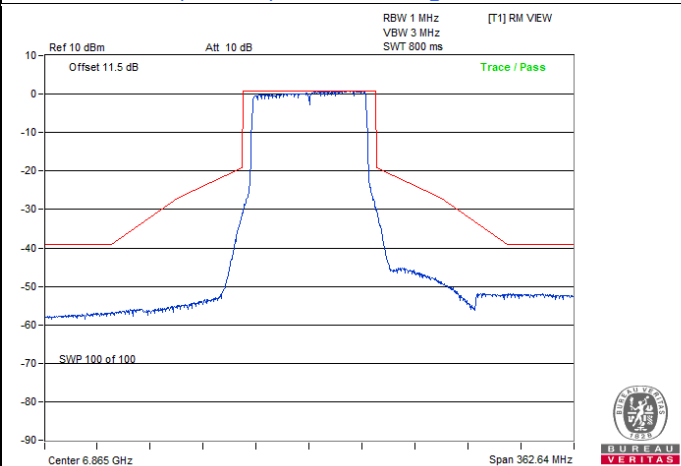
802.11be (EHT80) Beamforming / Chain 1: CH 103



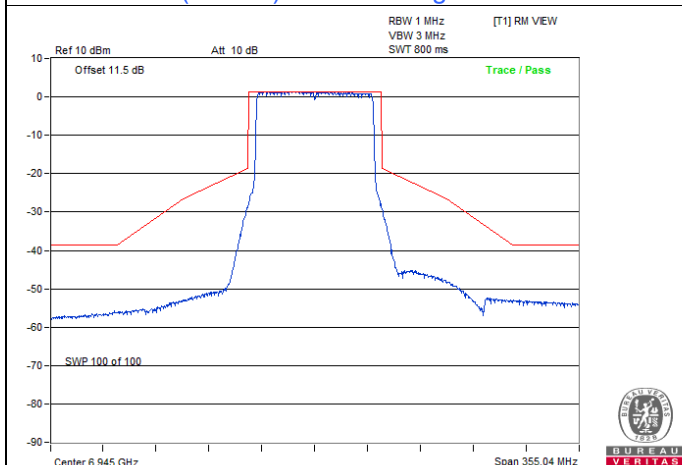
802.11be (EHT80) Beamforming / Chain 1: CH 119



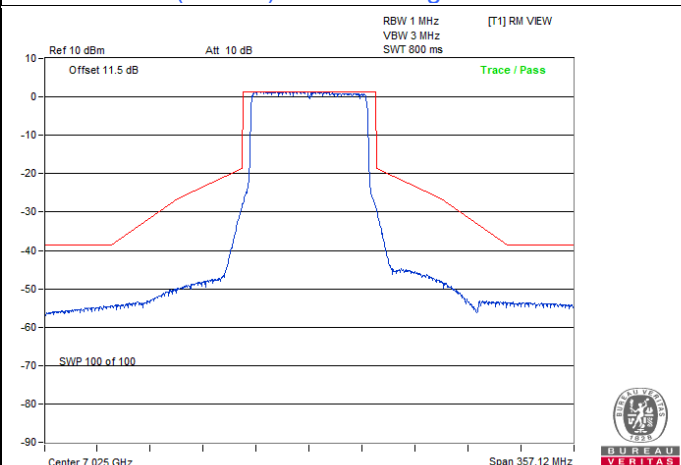
802.11be (EHT80) Beamforming / Chain 1: CH 151



802.11be (EHT80) Beamforming / Chain 1: CH 183



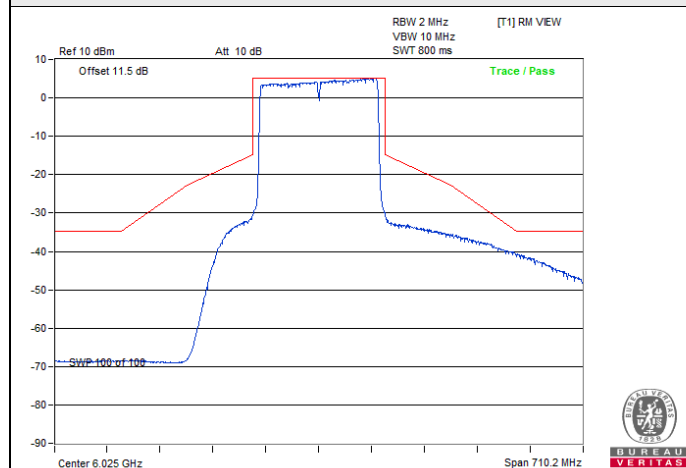
802.11be (EHT80) Beamforming / Chain 1: CH 199



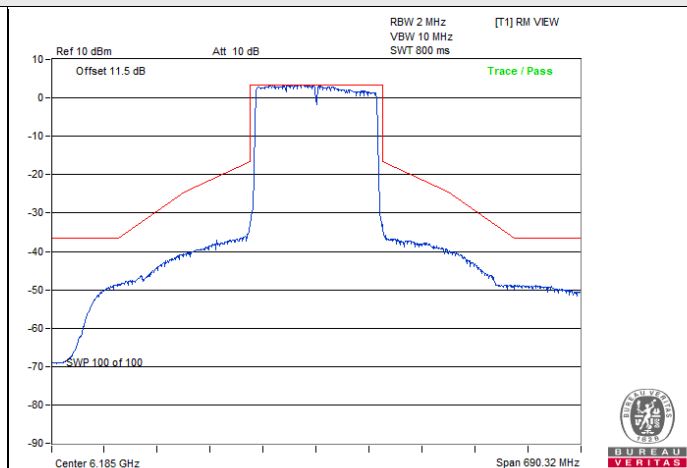
802.11be (EHT80) Beamforming / Chain 1: CH 215

802.11be (EHT160) Beamforming

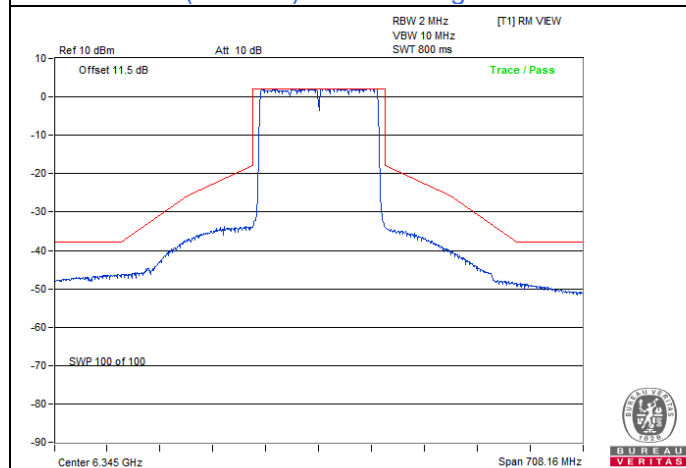
Spectrum Plot



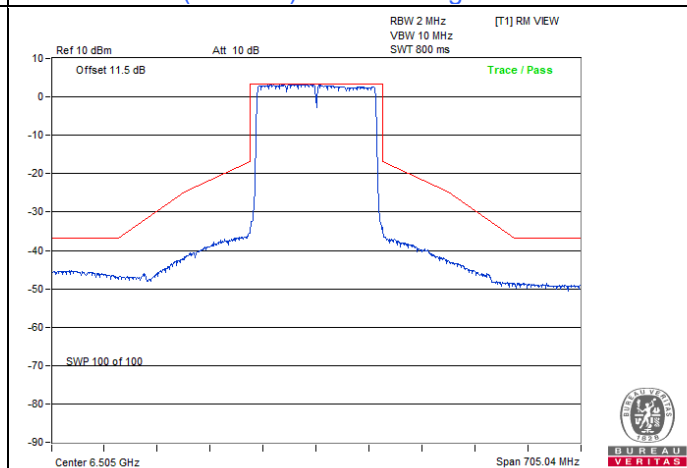
802.11be (EHT160) Beamforming / Chain 0: CH 15



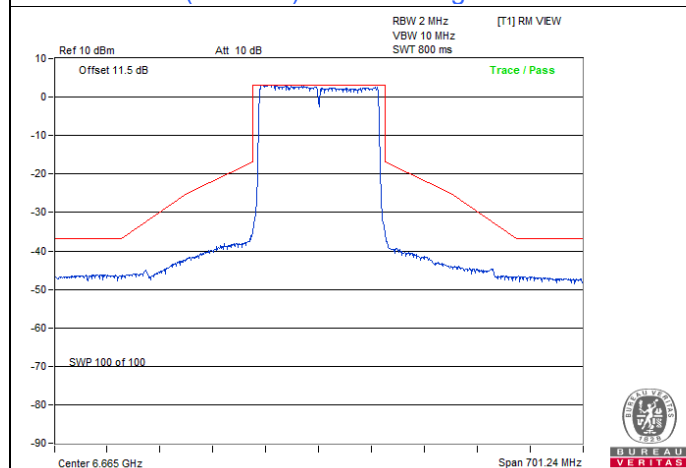
802.11be (EHT160) Beamforming / Chain 0: CH 47



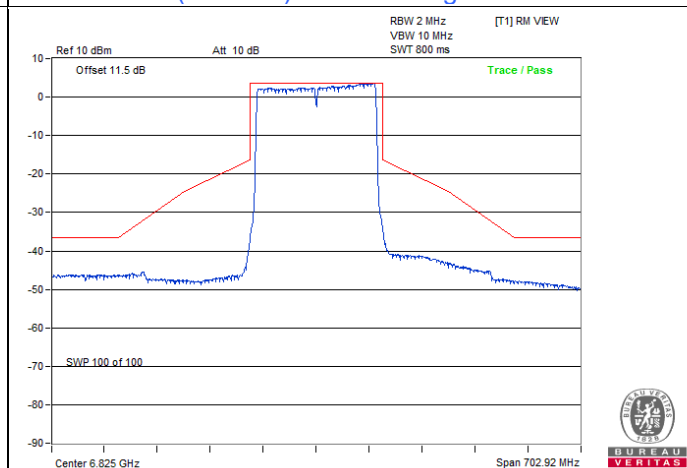
802.11be (EHT160) Beamforming / Chain 0: CH 79



802.11be (EHT160) Beamforming / Chain 0: CH 111

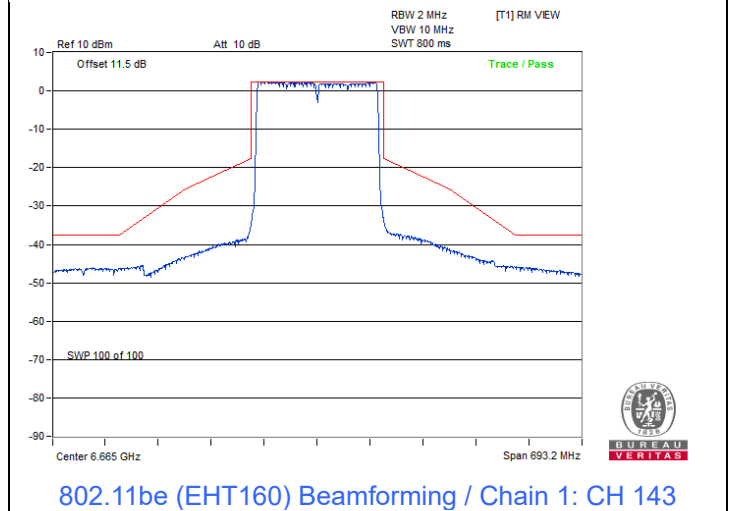
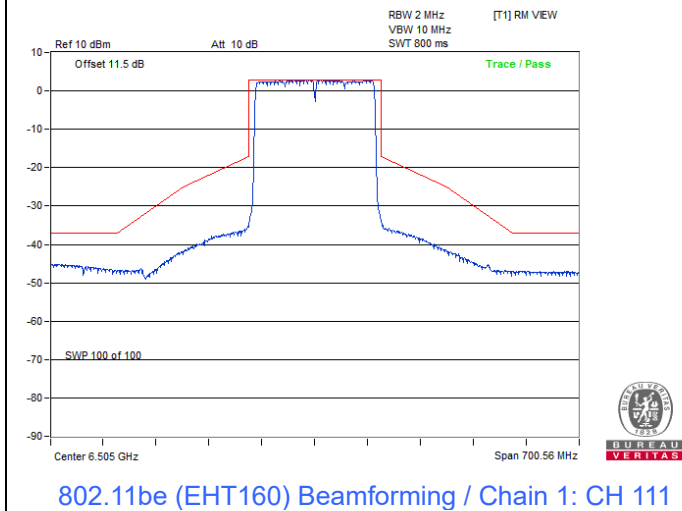
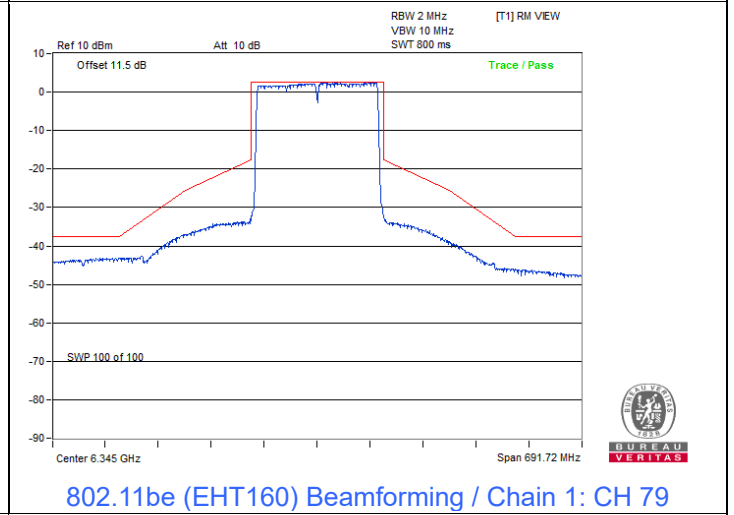
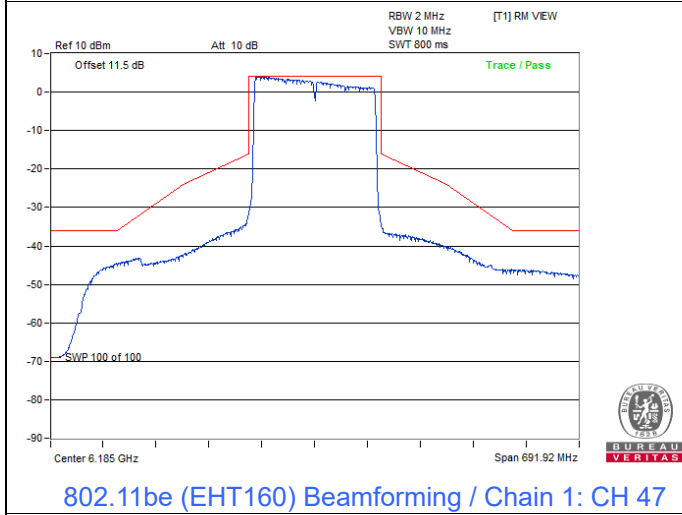
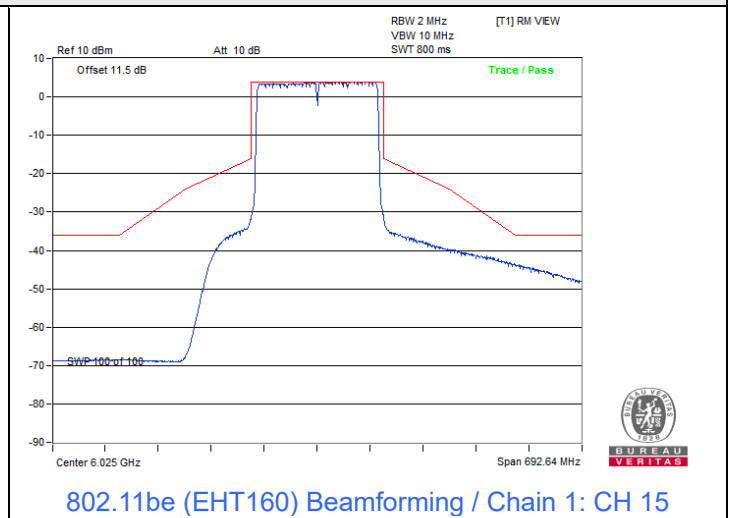
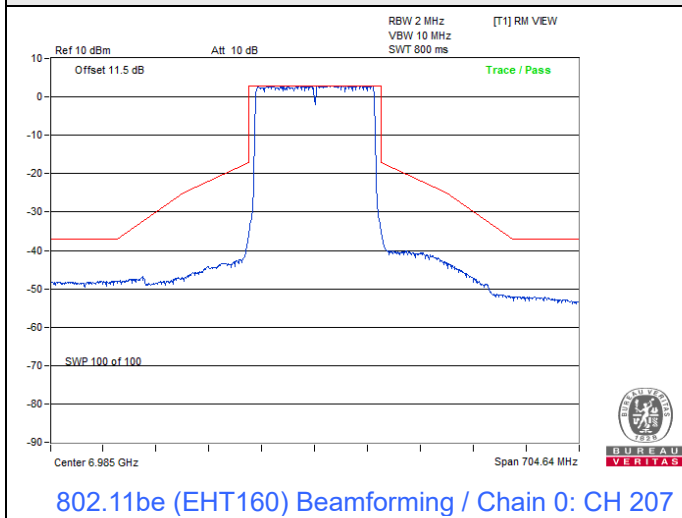


802.11be (EHT160) Beamforming / Chain 0: CH 143

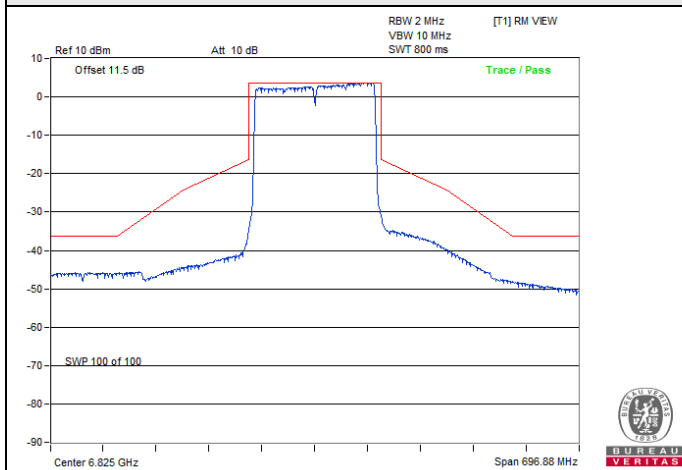


802.11be (EHT160) Beamforming / Chain 0: CH 175

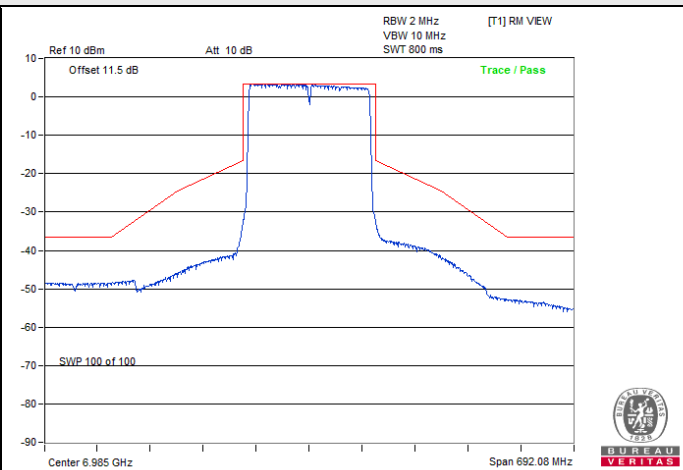
Spectrum Plot



Spectrum Plot



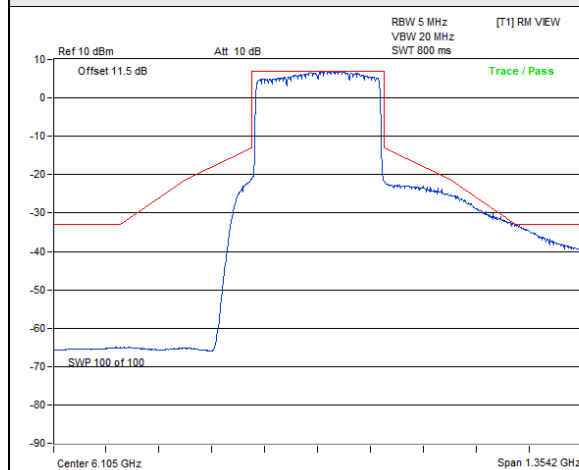
802.11be (EHT160) Beamforming / Chain 1: CH 175



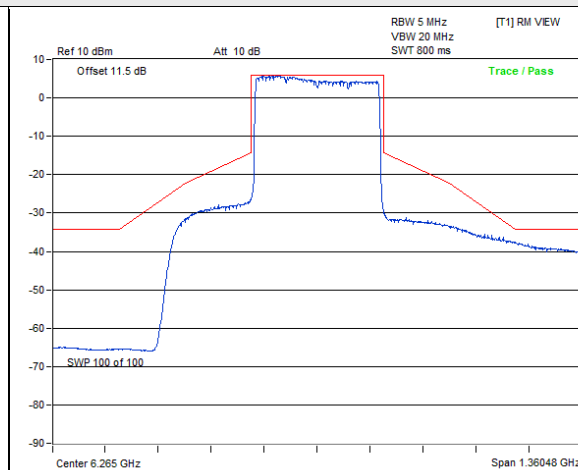
802.11be (EHT160) Beamforming / Chain 1: CH 207

802.11be (EHT320) Beamforming

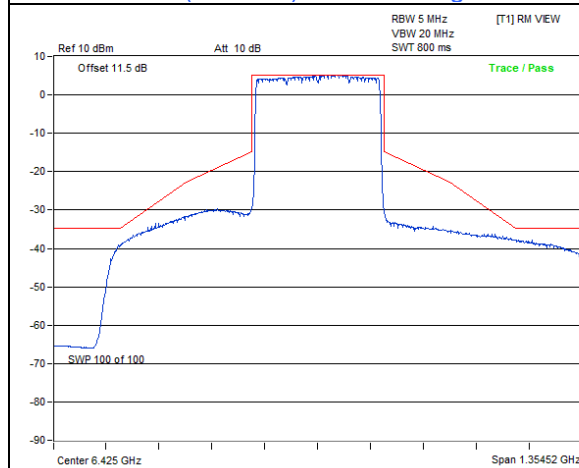
Spectrum Plot



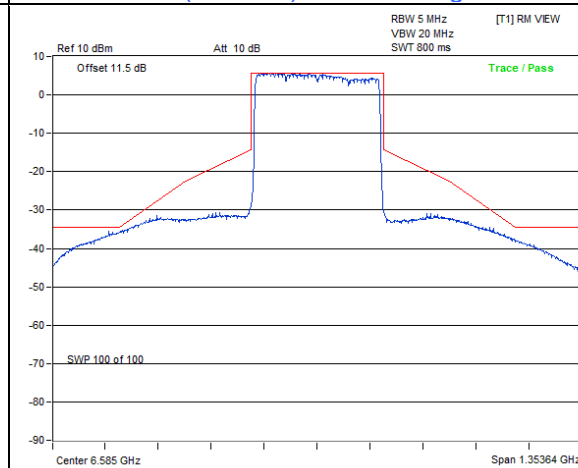
802.11be (EHT320) Beamforming / Chain 0: CH 31



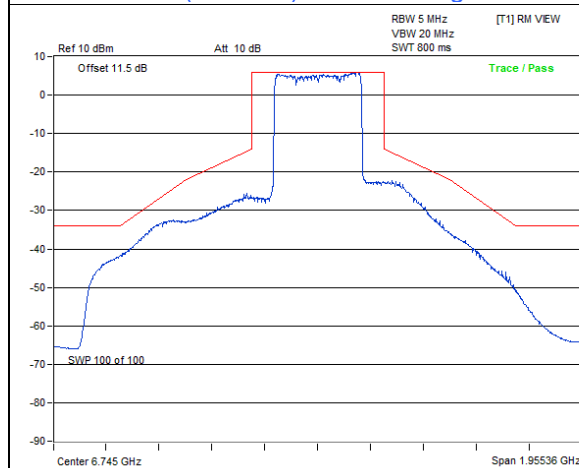
802.11be (EHT320) Beamforming / Chain 0: CH 33



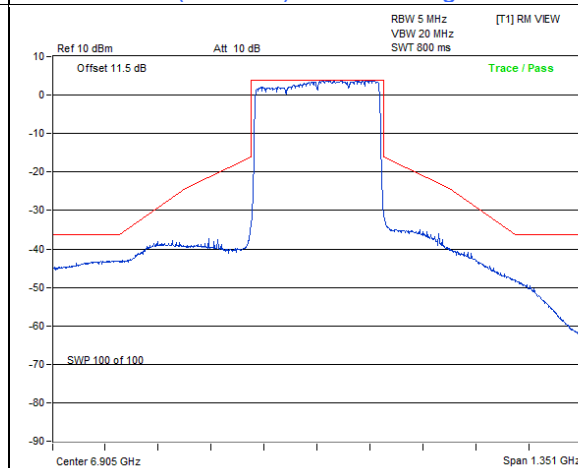
802.11be (EHT320) Beamforming / Chain 0: CH 95



802.11be (EHT320) Beamforming / Chain 0: CH 127

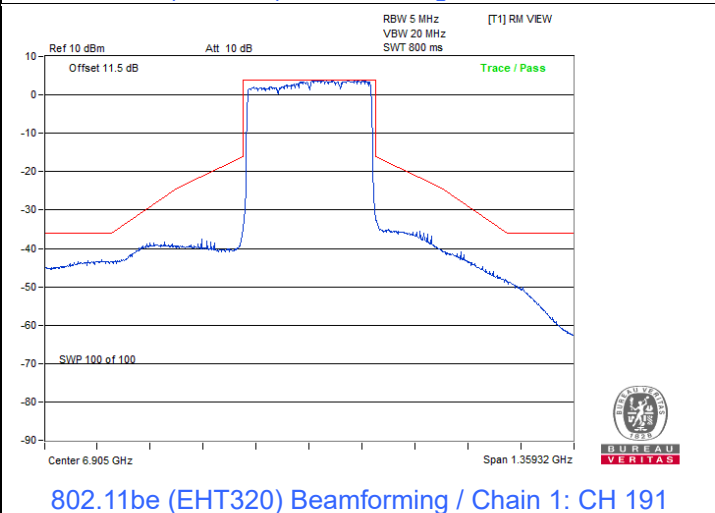
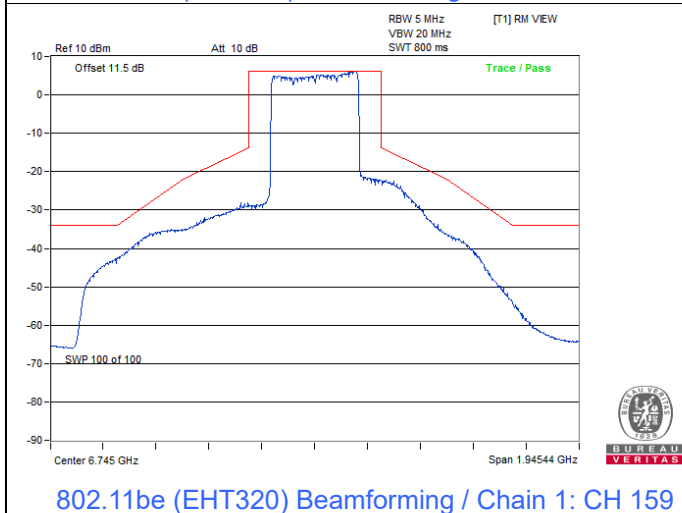
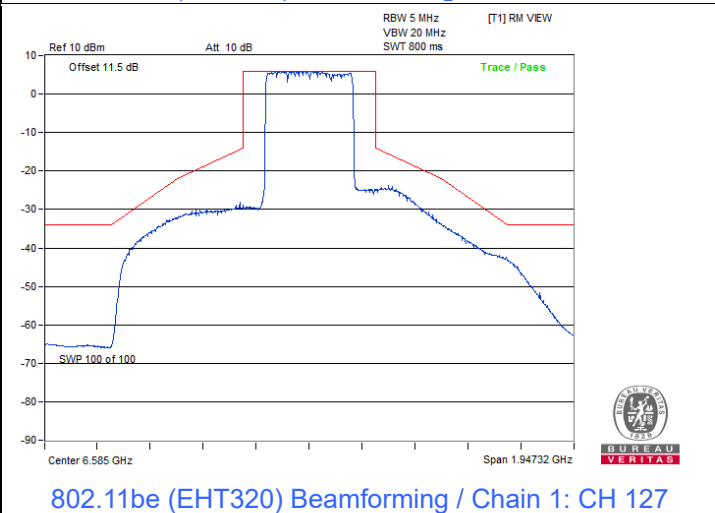
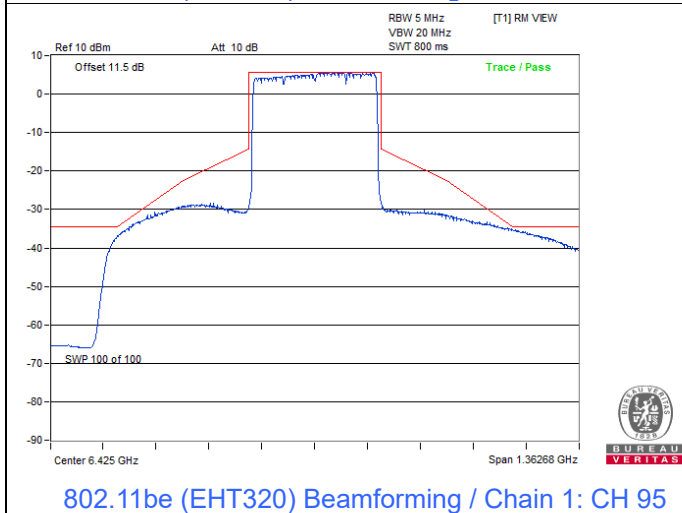
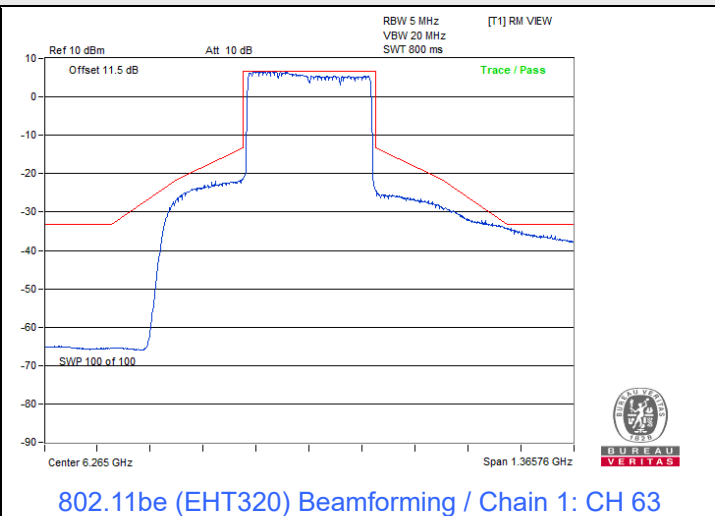
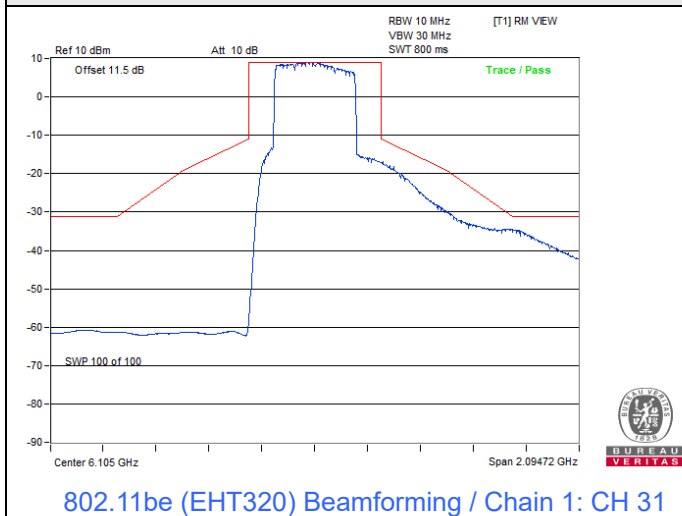


802.11be (EHT320) Beamforming / Chain 0: CH 159



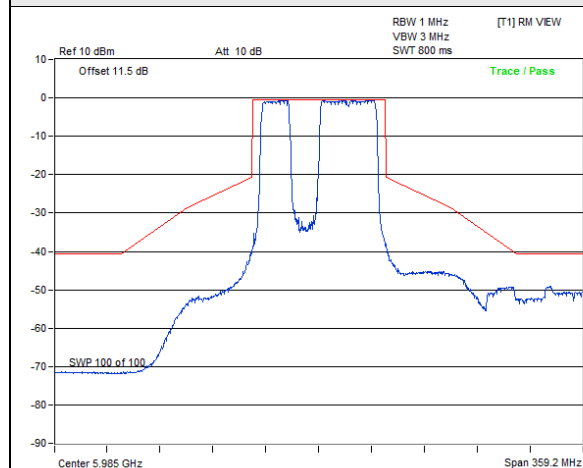
802.11be (EHT320) Beamforming / Chain 0: CH 191

Spectrum Plot

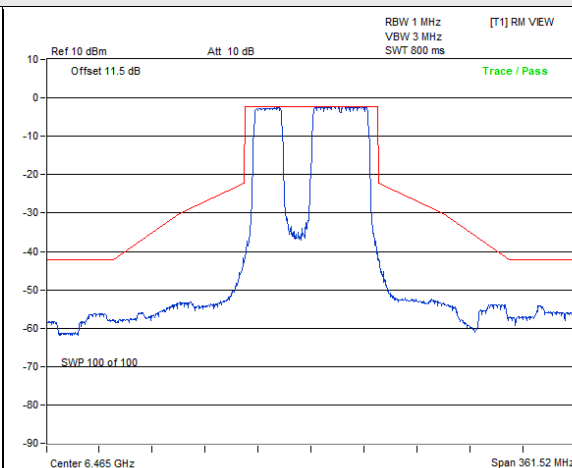


802.11be (EHT80) Punctured by 20 MHz (0x2)

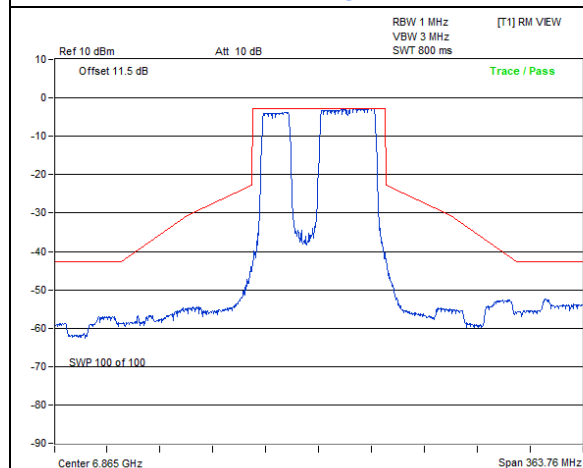
Spectrum Plot



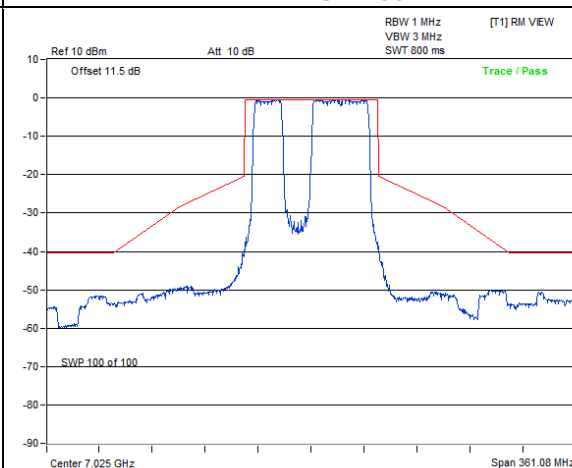
802.11be (EHT80) Punctured by 20 MHz (0x2) / Chain 0:
CH 7



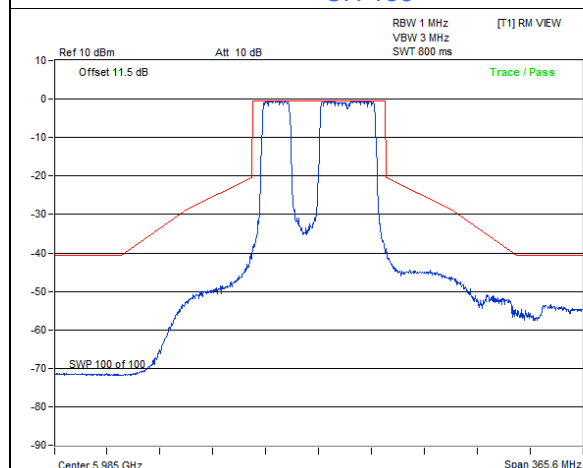
802.11be (EHT80) Punctured by 20 MHz (0x2) / Chain 0:
CH 103



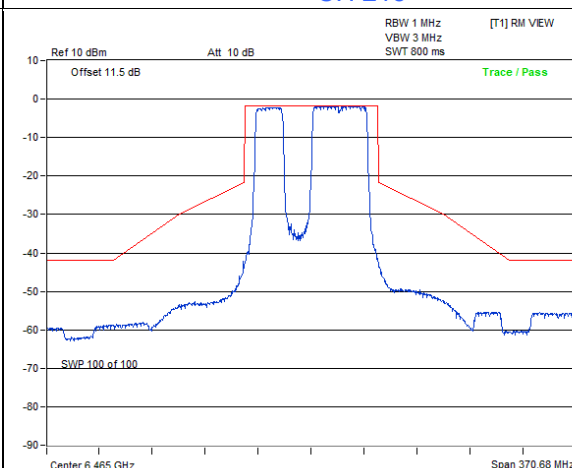
802.11be (EHT80) Punctured by 20 MHz (0x2) / Chain 0:
CH 183



802.11be (EHT80) Punctured by 20 MHz (0x2) / Chain 0:
CH 215

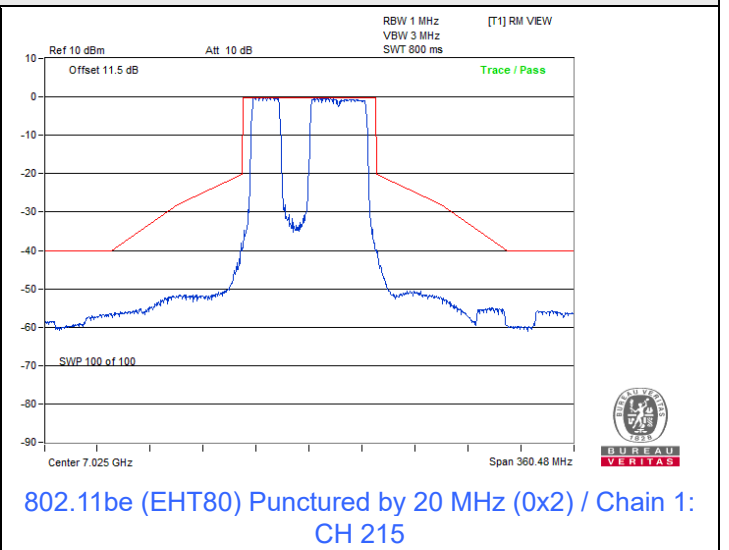
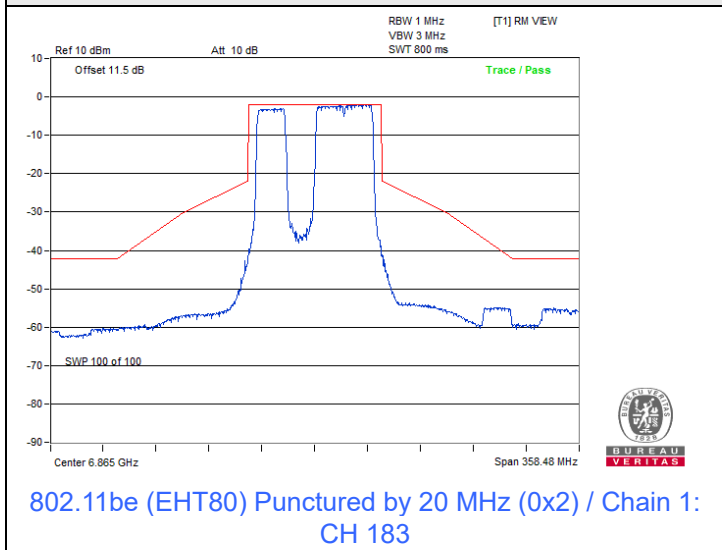


802.11be (EHT80) Punctured by 20 MHz (0x2) / Chain 1:
CH 7



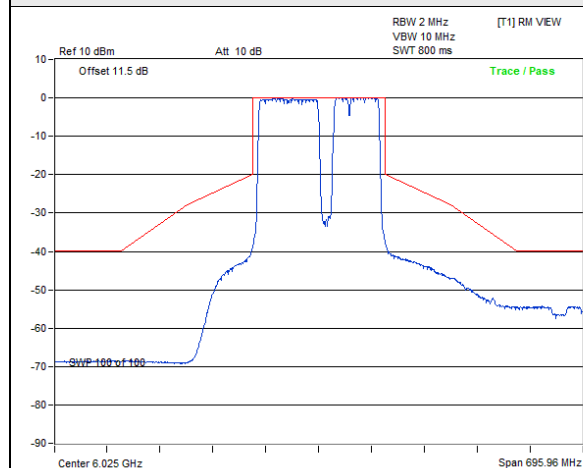
802.11be (EHT80) Punctured by 20 MHz (0x2) / Chain 1:
CH 103

Spectrum Plot

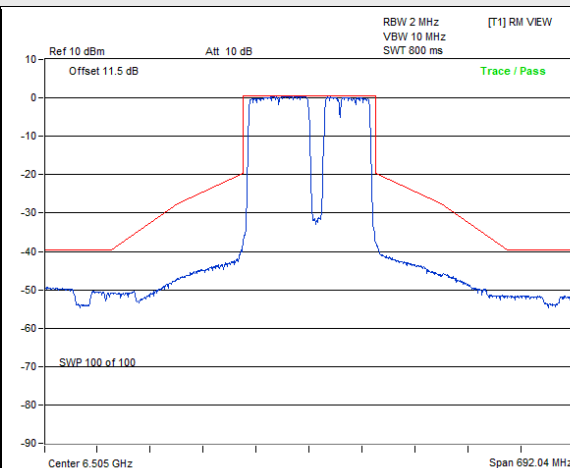


802.11be (EHT160) Punctured by 20 MHz (0x10)

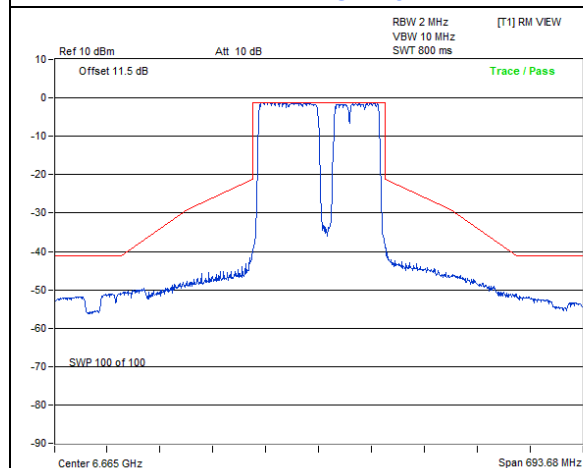
Spectrum Plot



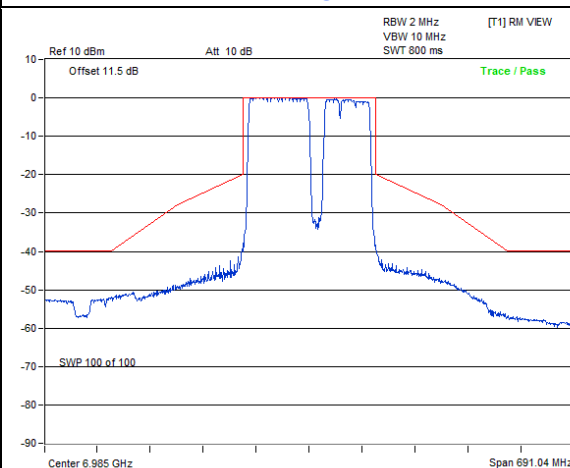
802.11be (EHT160) Punctured by 20 MHz (0x10) / Chain 0: CH 15



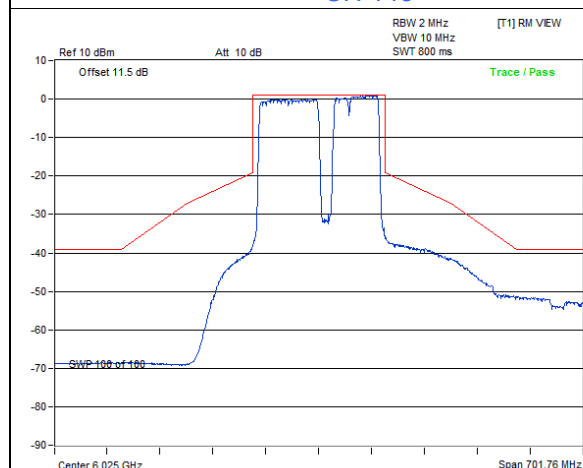
802.11be (EHT160) Punctured by 20 MHz (0x10) / Chain 0: CH 111



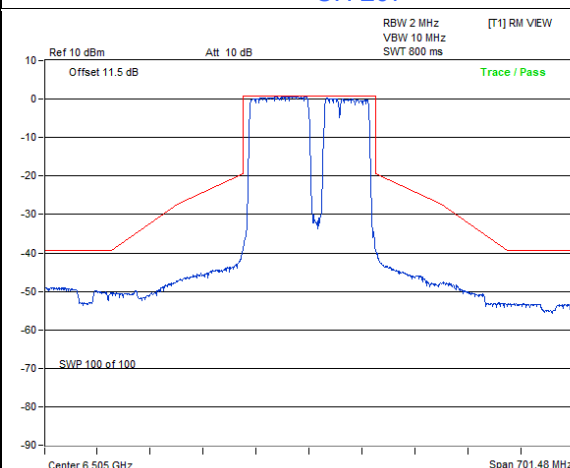
802.11be (EHT160) Punctured by 20 MHz (0x10) / Chain 0: CH 143



802.11be (EHT160) Punctured by 20 MHz (0x10) / Chain 0: CH 207

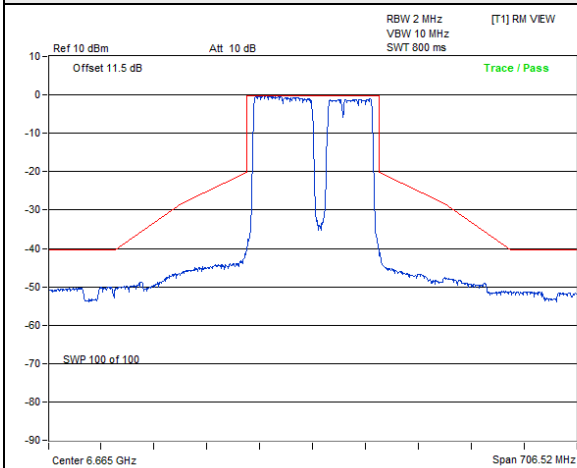


802.11be (EHT160) Punctured by 20 MHz (0x10) / Chain 1: CH 15

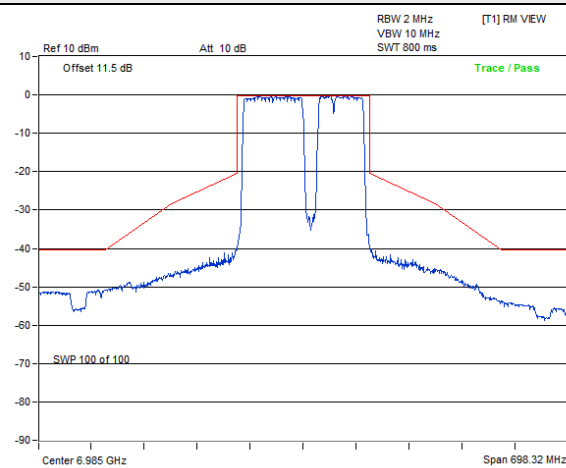


802.11be (EHT160) Punctured by 20 MHz (0x10) / Chain 1: CH 111

Spectrum Plot



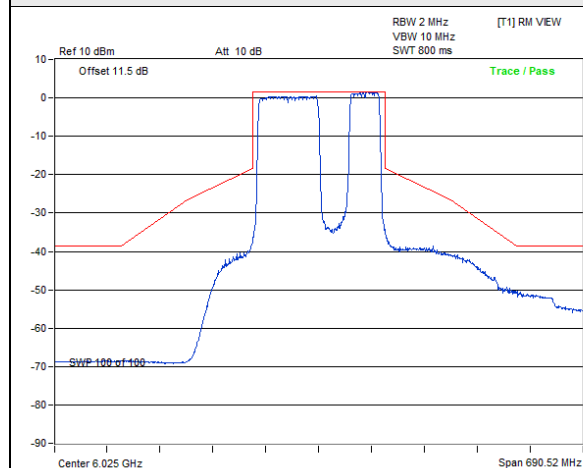
802.11be (EHT160) Punctured by 20 MHz (0x10) / Chain 1:
CH 143



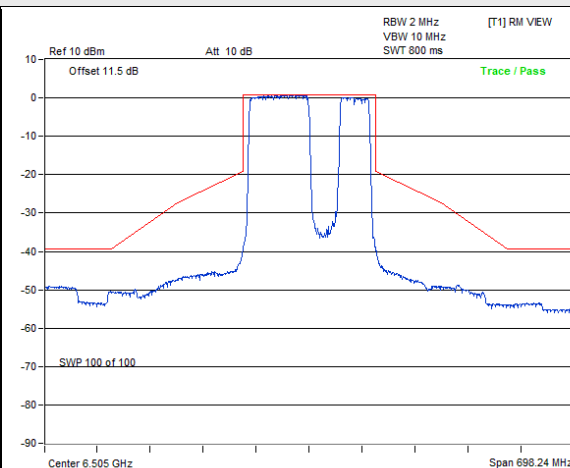
802.11be (EHT160) Punctured by 20 MHz (0x10) / Chain 1:
CH 207

802.11be (EHT160) Punctured by 40 MHz (0x30)

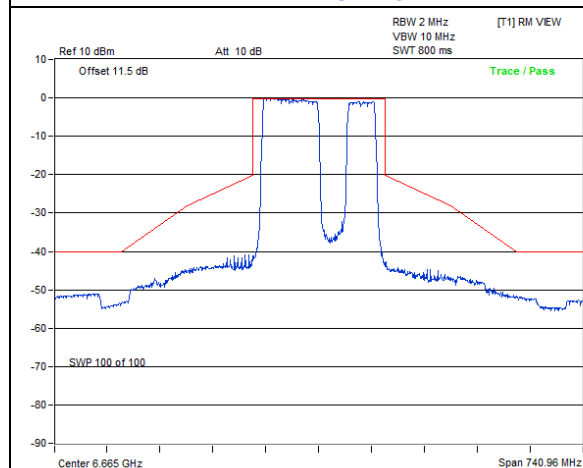
Spectrum Plot



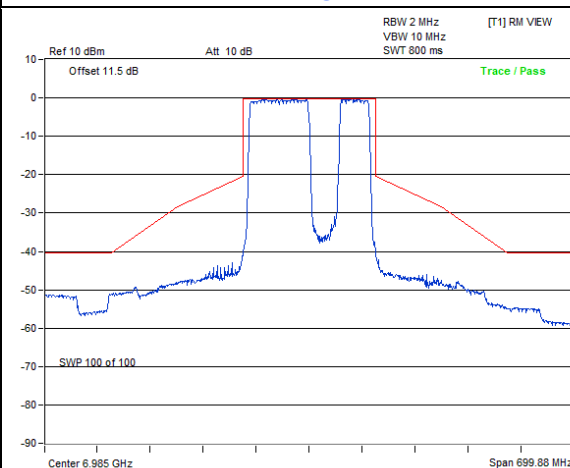
802.11be (EHT160) Punctured by 40 MHz (0x30) / Chain 0:
CH 15



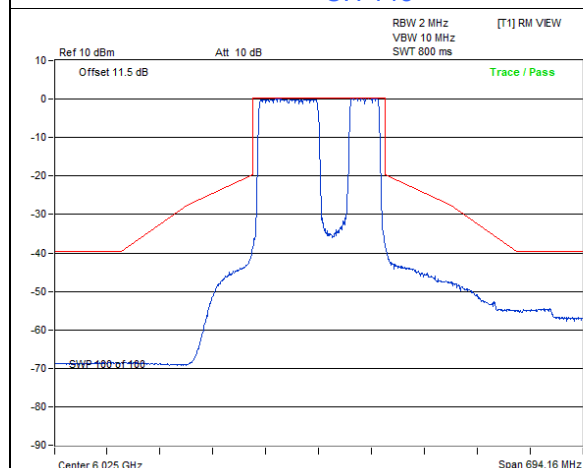
802.11be (EHT160) Punctured by 40 MHz (0x30) / Chain 0:
CH 111



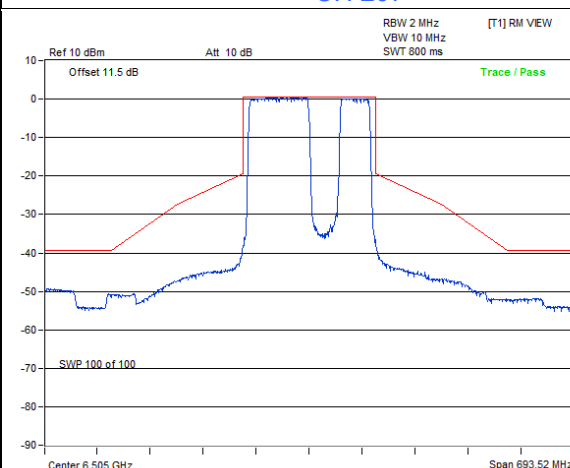
802.11be (EHT160) Punctured by 40 MHz (0x30) / Chain 0:
CH 143



802.11be (EHT160) Punctured by 40 MHz (0x30) / Chain 0:
CH 207

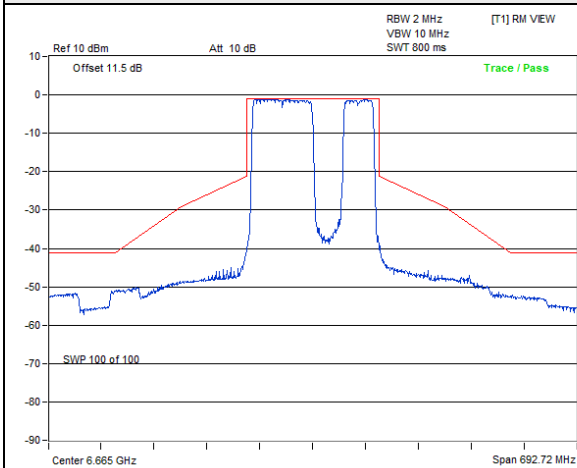


802.11be (EHT160) Punctured by 40 MHz (0x30) / Chain 1:
CH 15

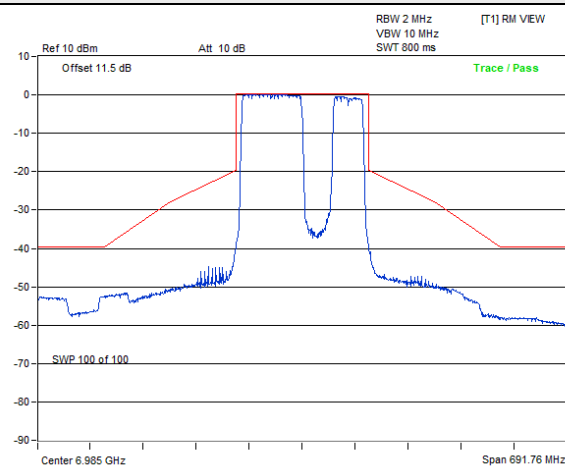


802.11be (EHT160) Punctured by 40 MHz (0x30) / Chain 1:
CH 111

Spectrum Plot



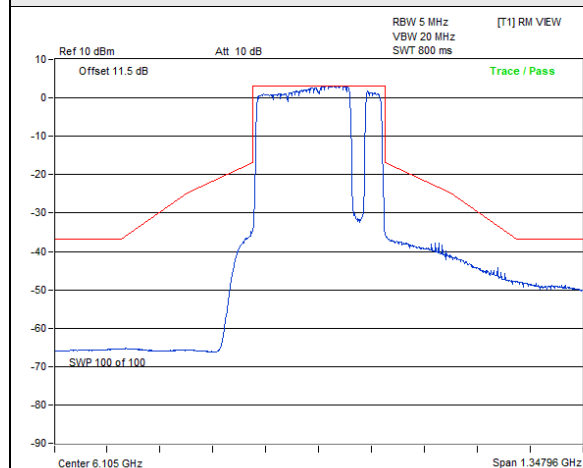
802.11be (EHT160) Punctured by 40 MHz (0x30) / Chain 1:
CH 143



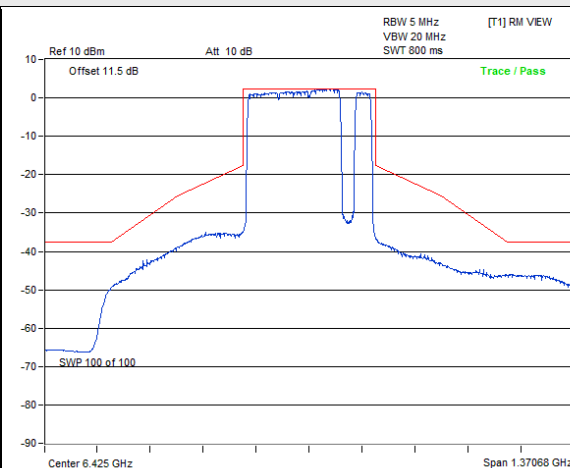
802.11be (EHT160) Punctured by 40 MHz (0x30) / Chain 1:
CH 207

802.11be (EHT320) Punctured by 40 MHz (0x3000)

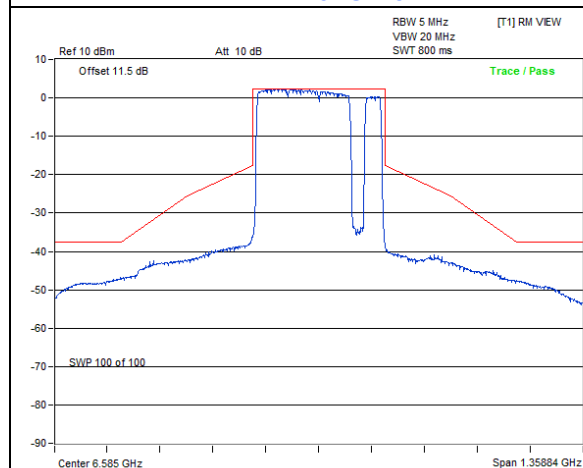
Spectrum Plot



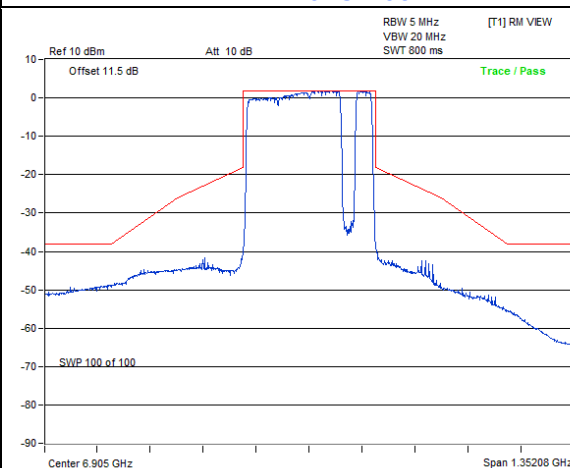
802.11be (EHT320) Punctured by 40 MHz (0x3000) / Chain 0: CH 31



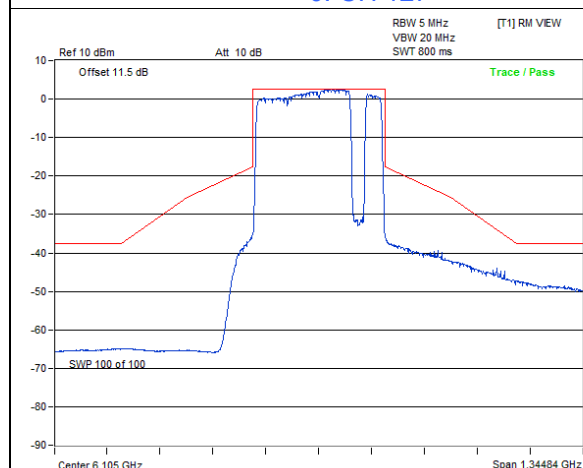
802.11be (EHT320) Punctured by 40 MHz (0x3000) / Chain 0: CH 95



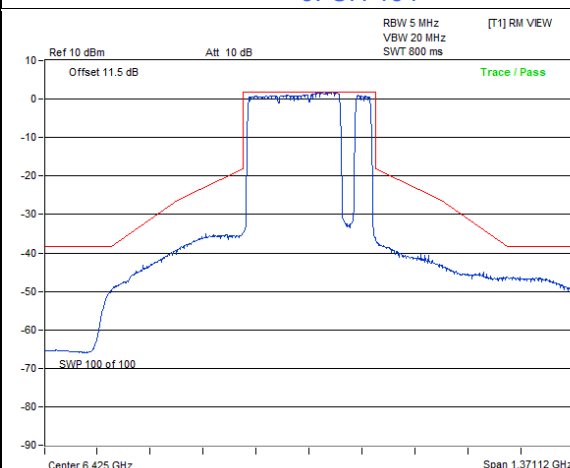
802.11be (EHT320) Punctured by 40 MHz (0x3000) / Chain 0: CH 127



802.11be (EHT320) Punctured by 40 MHz (0x3000) / Chain 0: CH 191

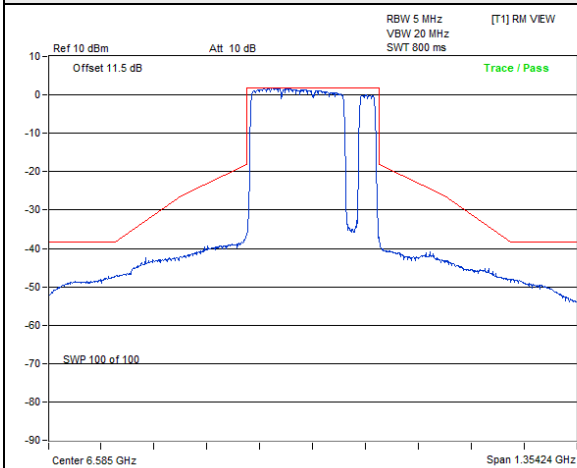


802.11be (EHT320) Punctured by 40 MHz (0x3000) / Chain 1: CH 31

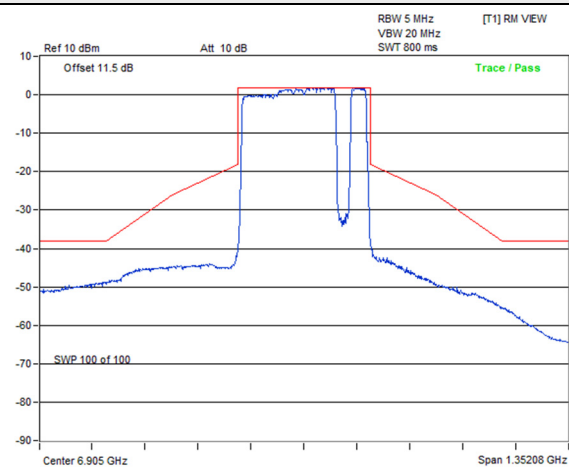


802.11be (EHT320) Punctured by 40 MHz (0x3000) / Chain 1: CH 95

Spectrum Plot



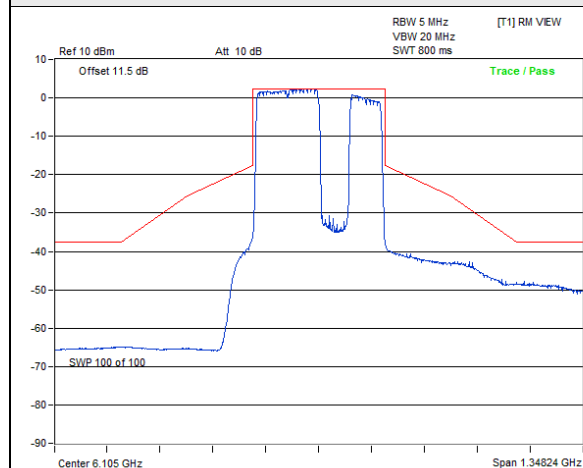
802.11be (EHT320) Punctured by 40 MHz (0x3000) / Chain
1: CH 127



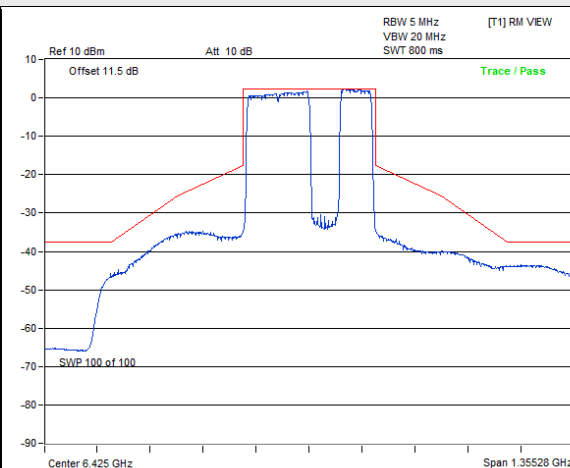
802.11be (EHT320) Punctured by 40 MHz (0x3000) / Chain
1: CH 191

802.11be (EHT320) Punctured by 80 MHz (0x0F00)

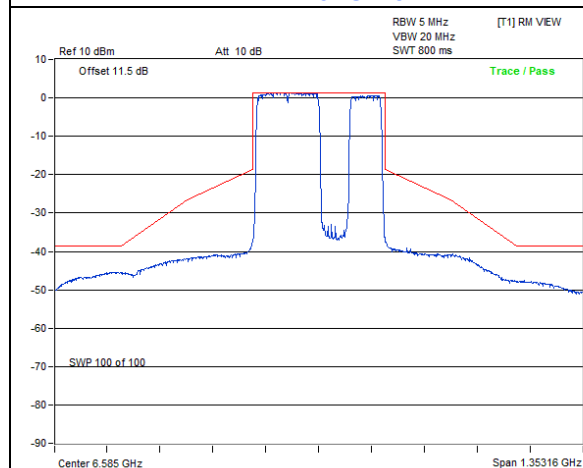
Spectrum Plot



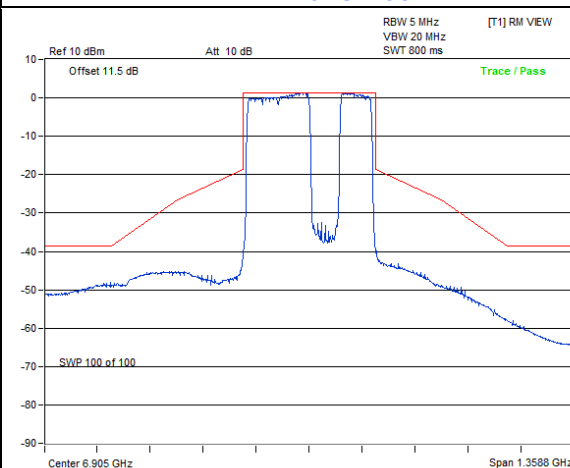
802.11be (EHT320) Punctured by 80 MHz (0x0F00) / Chain 0: CH 31



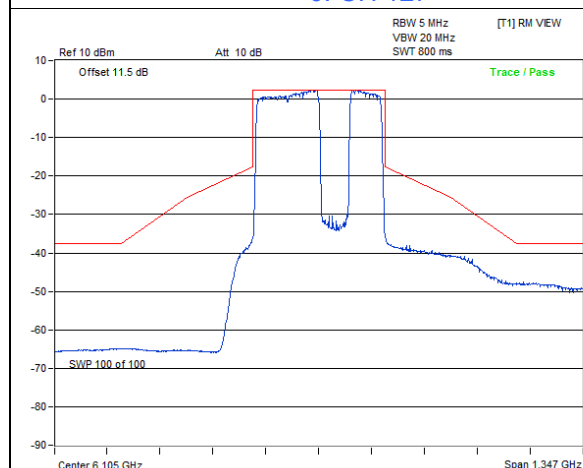
802.11be (EHT320) Punctured by 80 MHz (0x0F00) / Chain 0: CH 95



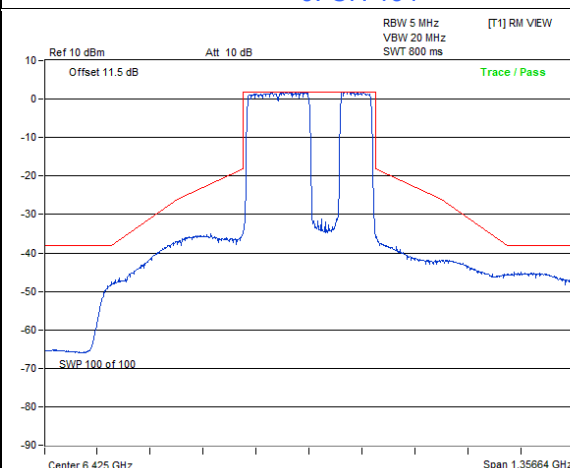
802.11be (EHT320) Punctured by 80 MHz (0x0F00) / Chain 0: CH 127



802.11be (EHT320) Punctured by 80 MHz (0x0F00) / Chain 0: CH 191

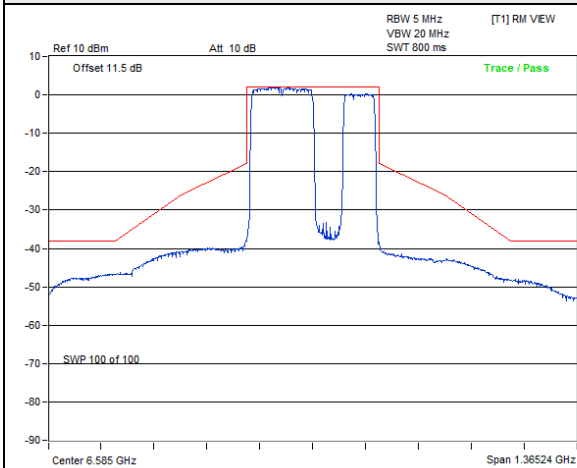


802.11be (EHT320) Punctured by 80 MHz (0x0F00) / Chain 1: CH 31

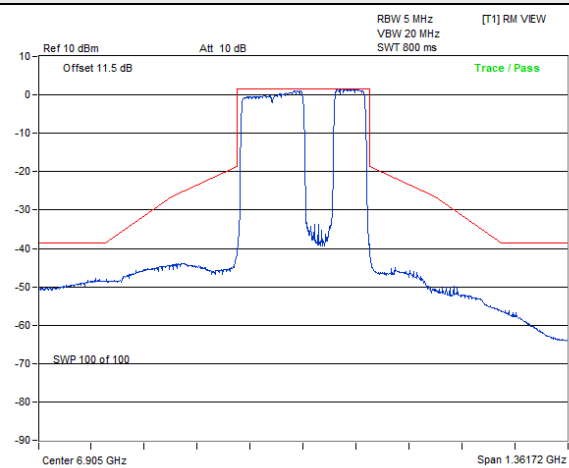


802.11be (EHT320) Punctured by 80 MHz (0x0F00) / Chain 1: CH 95

Spectrum Plot



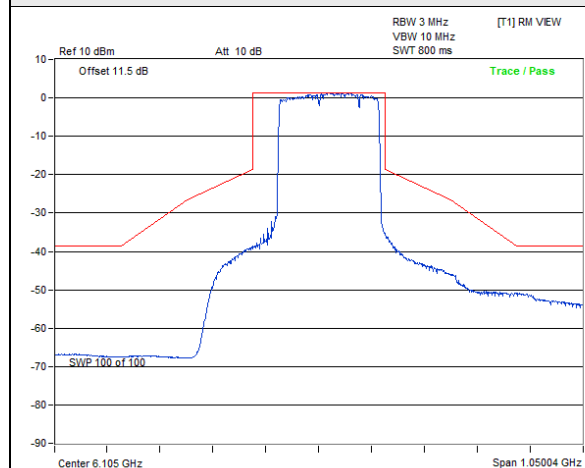
802.11be (EHT320) Punctured by 80 MHz (0x0F00) / Chain
1: CH 127



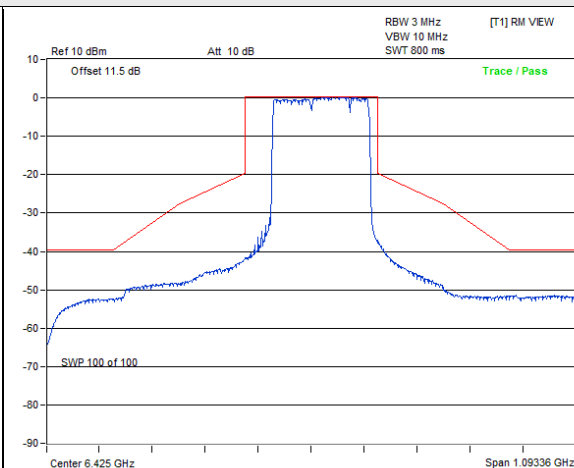
802.11be (EHT320) Punctured by 80 MHz (0x0F00) / Chain
1: CH 191

802.11be (EHT320) Punctured by 80+40 MHz (0xC00F)

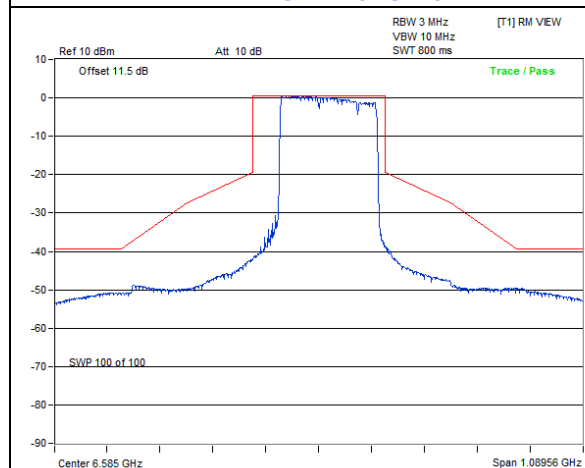
Spectrum Plot



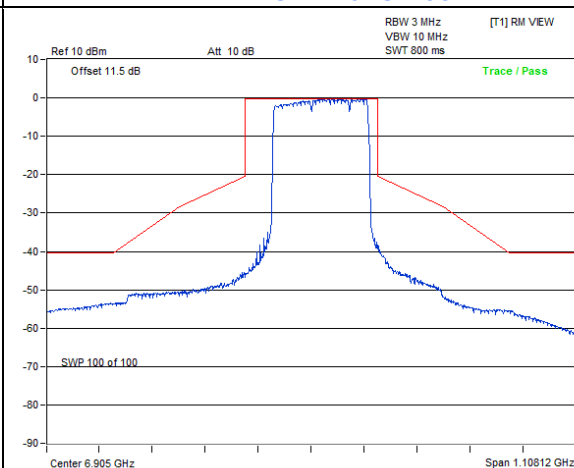
802.11be (EHT320) Punctured by 80+40 MHz (0xC00F) /
Chain 0: CH 31



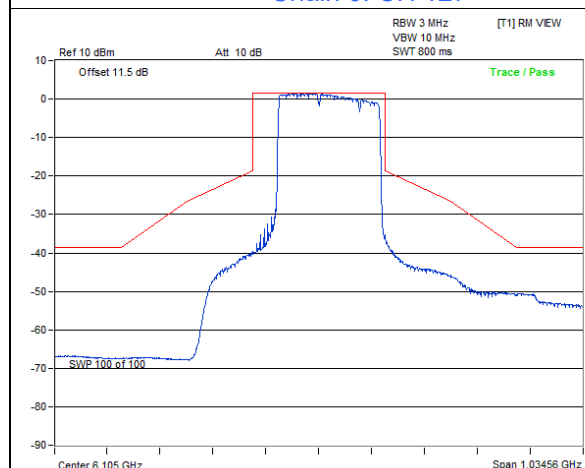
802.11be (EHT320) Punctured by 80+40 MHz (0xC00F) /
Chain 0: CH 95



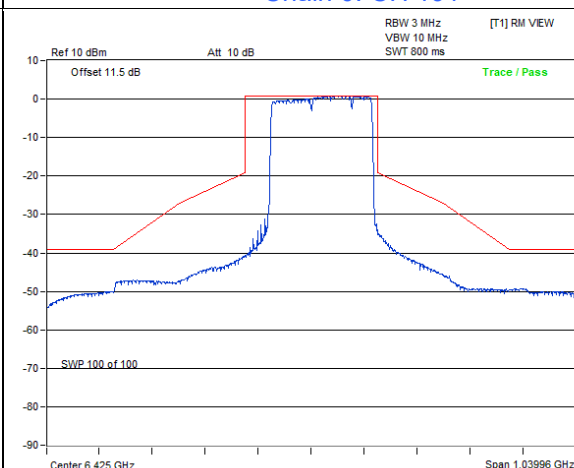
802.11be (EHT320) Punctured by 80+40 MHz (0xC00F) /
Chain 0: CH 127



802.11be (EHT320) Punctured by 80+40 MHz (0xC00F) /
Chain 0: CH 191

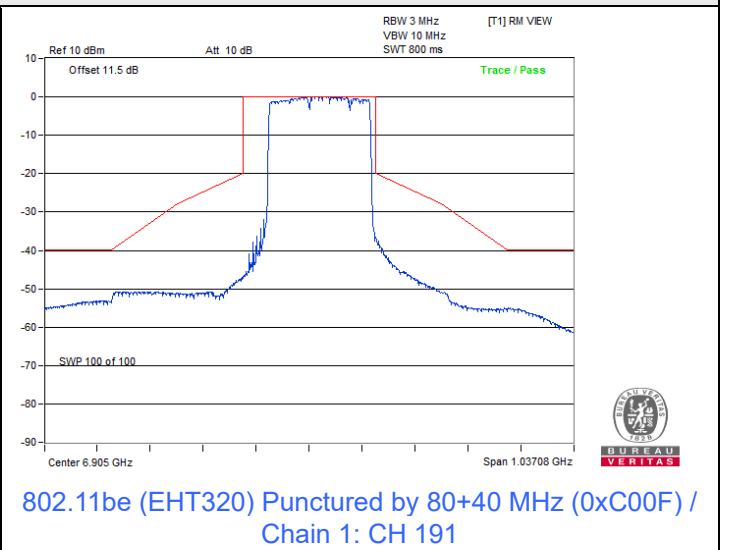
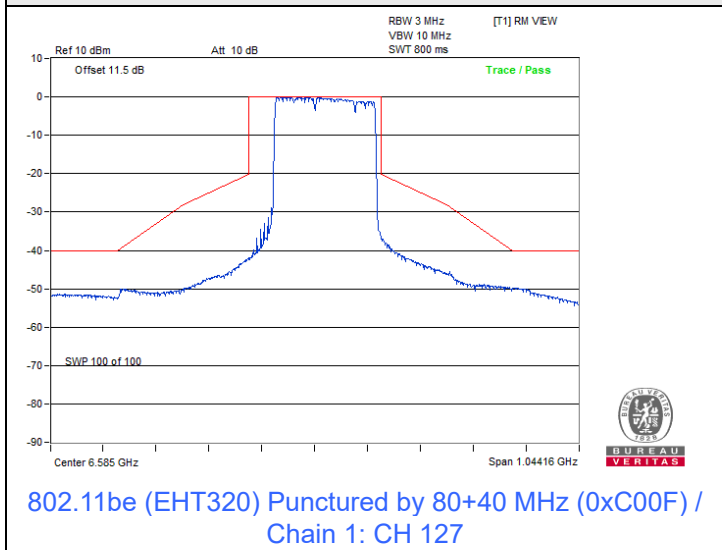


802.11be (EHT320) Punctured by 80+40 MHz (0xC00F) /
Chain 1: CH 31



802.11be (EHT320) Punctured by 80+40 MHz (0xC00F) /
Chain 1: CH 95

Spectrum Plot



7.5 Occupied Bandwidth

Environmental Conditions:	25°C, 60% RH	Tested By:	Match Tsui
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802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	17.04	16.92
45	6175	16.92	16.92
93	6415	16.92	17.04
97	6435	17.04	16.92
105	6475	17.04	16.92
113	6515	16.92	16.92
117	6535	16.92	16.92
149	6695	16.92	16.80
181	6855	17.04	16.92
185	6875	17.04	17.04
209	6995	16.92	17.04
233	7115	17.04	16.92

802.11be (EHT20) Beamforming

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	19.14	19.14
45	6175	19.14	19.14
93	6415	19.14	19.14
97	6435	19.14	19.14
105	6475	19.14	19.14
113	6515	19.14	19.24
117	6535	19.14	19.14
149	6695	19.14	19.14
181	6855	19.14	19.14
185	6875	19.14	19.14
209	6995	19.14	19.14
233	7115	19.08	19.08

802.11be (EHT40) Beamforming

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
3	5965	38.27	38.27
43	6165	38.27	38.27
91	6405	38.27	38.46
99	6445	38.27	38.27
107	6485	38.27	38.27
115	6525	38.46	38.27
123	6565	38.27	38.27
155	6725	38.27	38.27
179	6845	38.46	38.27
187	6885	38.27	38.46
211	7005	38.46	38.46
227	7085	38.27	38.65

802.11be (EHT80) Beamforming

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
7	5985	78.08	77.69
39	6145	77.70	77.70
87	6385	77.69	78.08
103	6465	77.31	77.70
119	6545	78.08	77.70
151	6705	78.08	77.70
183	6865	78.08	77.70
199	6945	77.70	77.31
215	7025	77.28	77.76

802.11be (EHT160) Beamforming

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
15	6025	158.46	157.69
47	6185	156.92	157.69
79	6345	157.69	157.69
111	6505	157.69	156.92
143	6665	157.69	157.69
175	6825	158.46	158.46
207	6985	158.46	157.69

802.11be (EHT320) Beamforming

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
31	6105	316.92	316.92
63	6265	316.80	316.92
95	6425	316.80	316.80
127	6585	316.80	316.80
159	6745	318.72	316.80
191	6905	316.80	316.80

802.11be (EHT80) Punctured by 20 MHz (0x2)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
7	5985	78.24	78.24
103	6465	78.24	77.76
183	6865	78.24	77.76
215	7025	78.24	78.24

802.11be (EHT160) Punctured by 20 MHz (0x10)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
15	6025	158.40	157.44
111	6505	157.44	158.40
143	6665	157.44	158.40
207	6985	158.40	157.44

802.11be (EHT160) Punctured by 40 MHz (0x30)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
15	6025	159.36	157.44
111	6505	158.40	158.40
143	6665	158.40	158.40
207	6985	158.40	158.40

802.11be (EHT320) Punctured by 40 MHz (0x3000)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
31	6105	316.80	316.80
95	6425	316.80	316.80
127	6585	316.80	316.80
191	6905	316.80	318.72

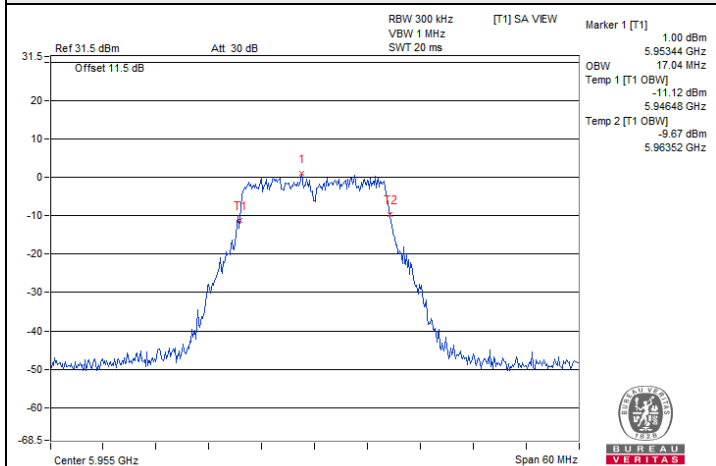
802.11be (EHT320) Punctured by 80 MHz (0x0F00)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
31	6105	316.80	316.80
95	6425	318.72	316.80
127	6585	316.80	316.80
191	6905	318.72	318.72

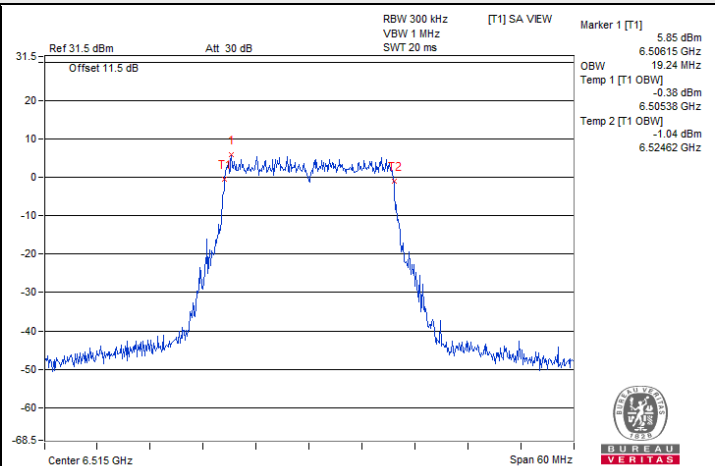
802.11be (EHT320) Punctured by 80+40 MHz (0xC00F)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
31	6105	199.68	197.76
95	6425	197.76	199.68
127	6585	197.76	199.68
191	6905	195.84	199.68

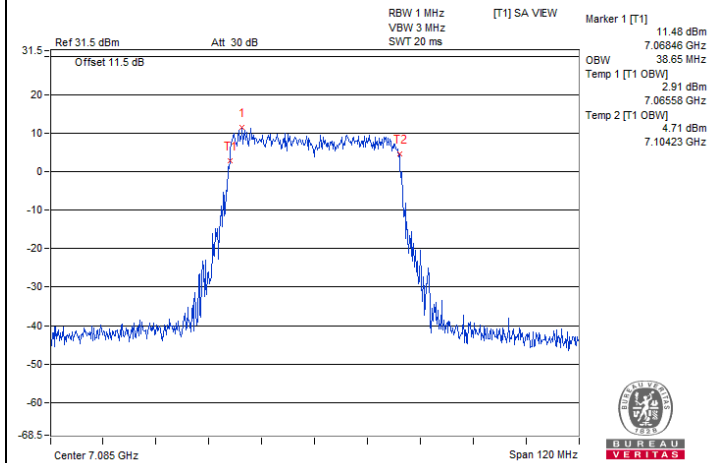
Spectrum Plot of Maximum Value



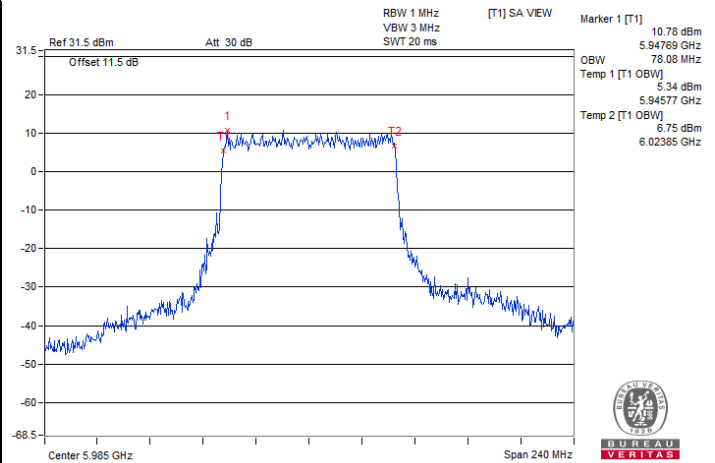
802.11a / Chain 0: CH 1



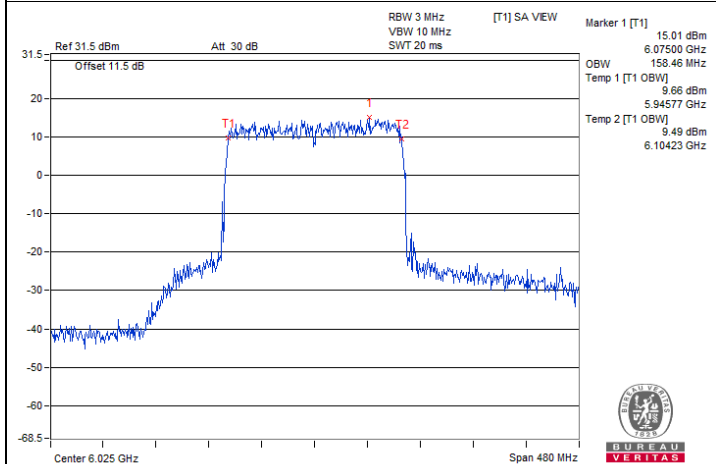
802.11be (EHT20) Beamforming / Chain 1: CH 113



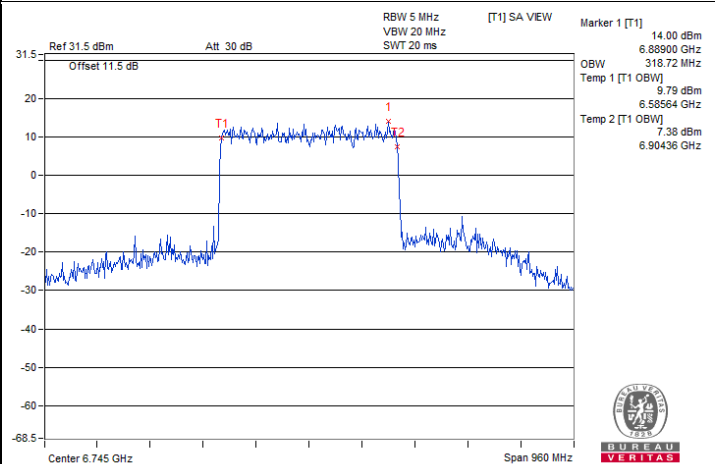
802.11be (EHT40) Beamforming / Chain 1: CH 227



802.11be (EHT80) Beamforming / Chain 0: CH 7

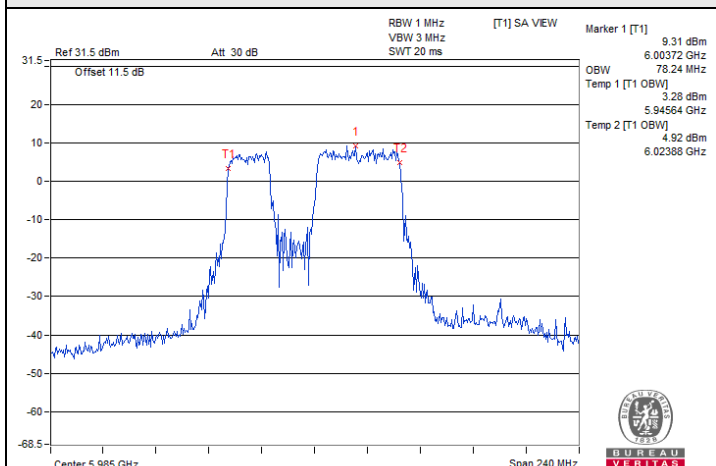


802.11be (EHT160) Beamforming / Chain 0: CH 15

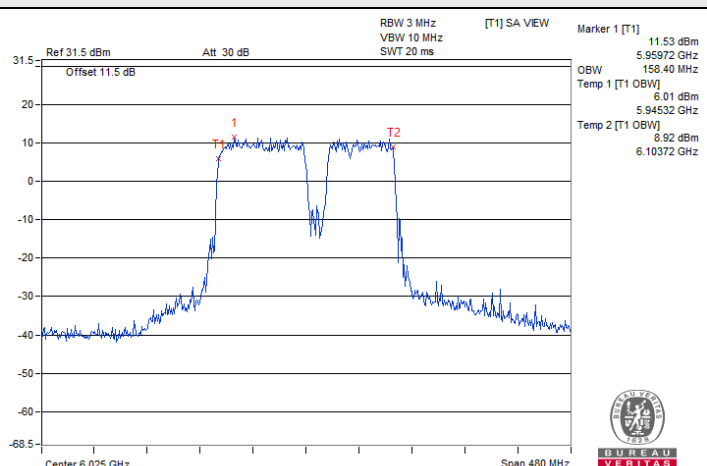


802.11be (EHT320) Beamforming / Chain 0: CH 159

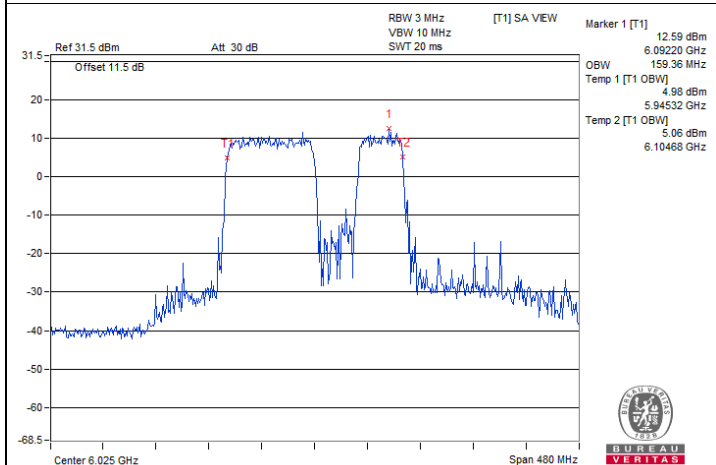
Spectrum Plot of Maximum Value



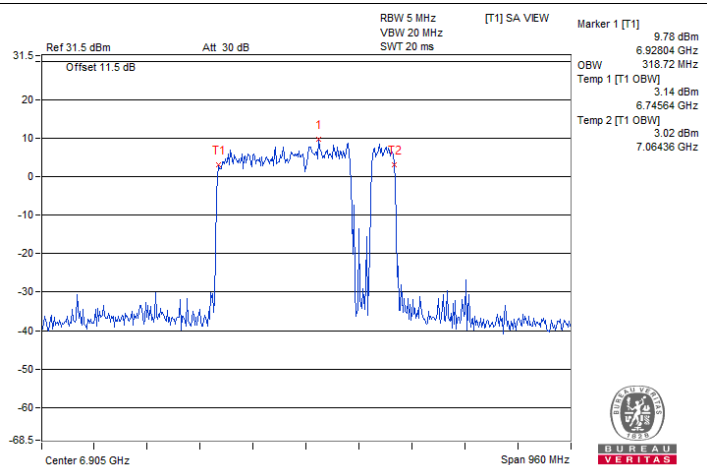
802.11be (EHT80) Punctured by 20 MHz (0x2) / Chain 0: CH 7



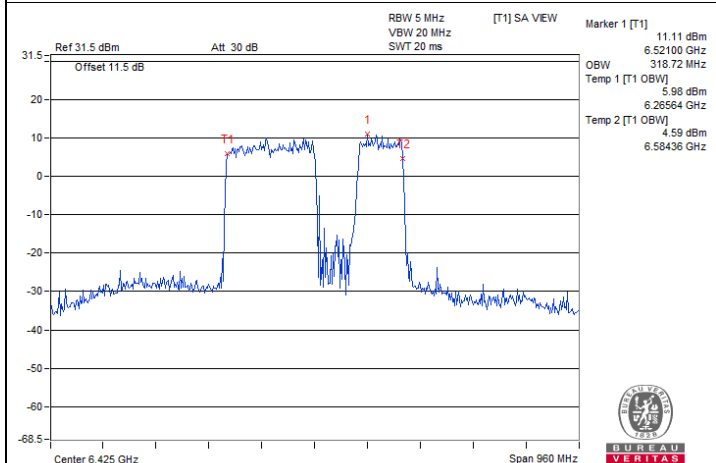
802.11be (EHT160) Punctured by 20 MHz (0x10) / Chain 0: CH 15



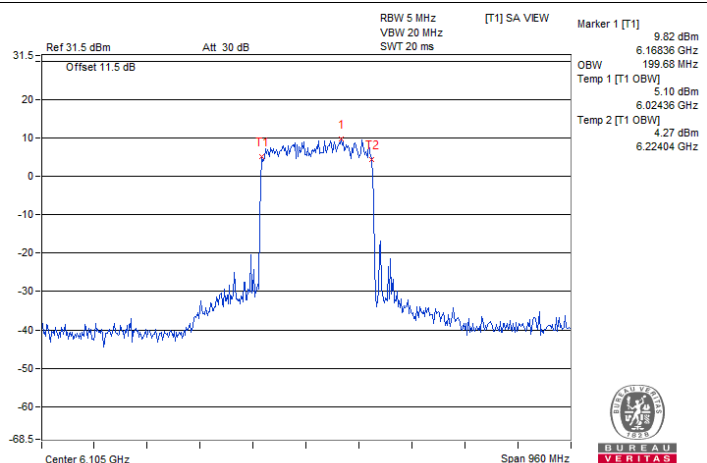
802.11be (EHT160) Punctured by 40 MHz (0x30) / Chain 0: CH 15



802.11be (EHT320) Punctured by 40 MHz (0x3000) / Chain 1: CH 191



802.11be (EHT320) Punctured by 80 MHz (0x0F00) / Chain 0: CH 95



802.11be (EHT320) Punctured by 80+40 MHz (0xC00F) / Chain 0: CH 31

7.6 Contention-based Protocol

Environmental Conditions:	25°C, 60% RH	Tested By:	Frankie Jhang
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Companion Device Information		
Product	Brand	Model No.
LANCOM LX-7200 2x2x2 Indoor 11be AP	LANCOM	LANCOM LX-7200