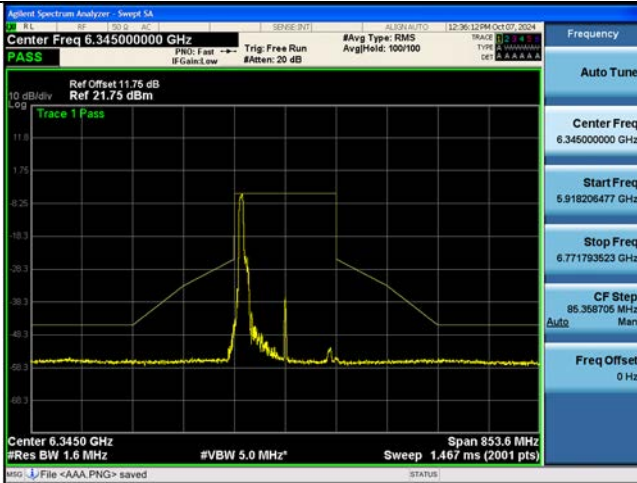
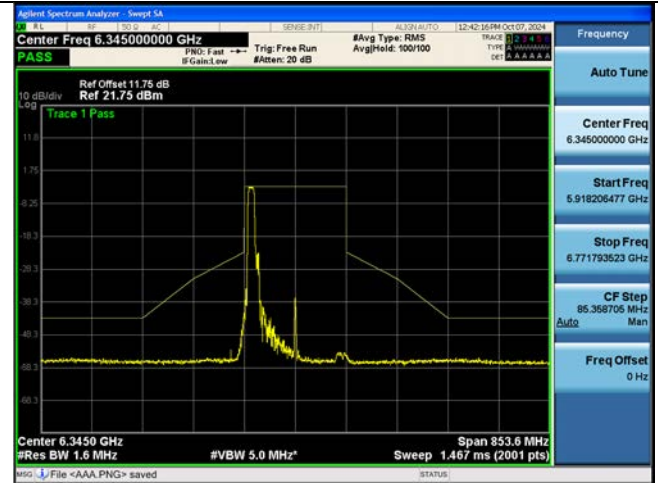


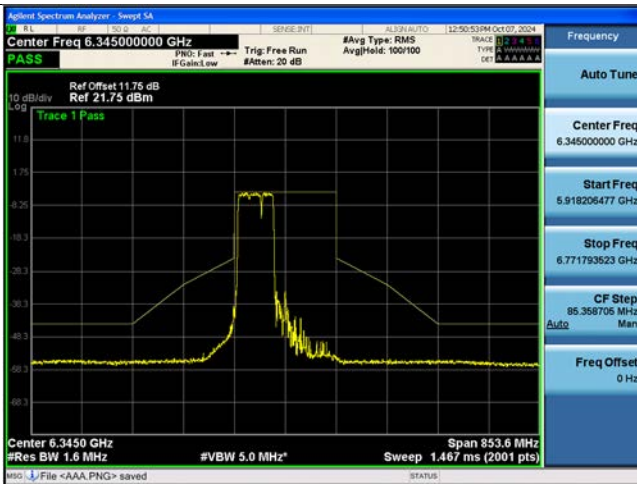
802.11be EHT160M Ch.79(6345 MHz) 52T+26T RU70



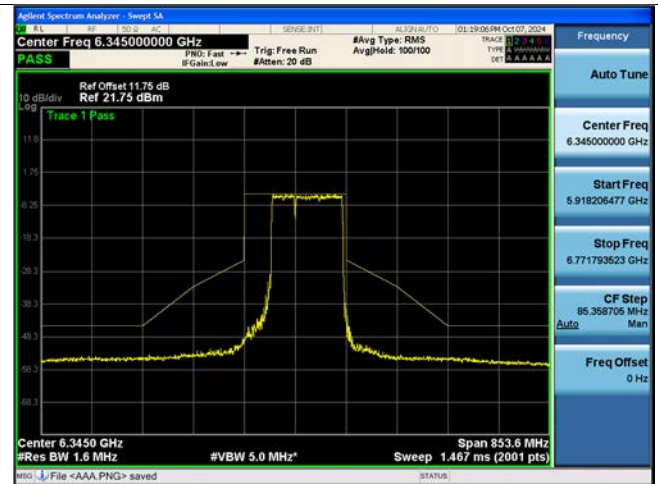
802.11be EHT160M Ch.79(6345 MHz) 106T+26T RU82



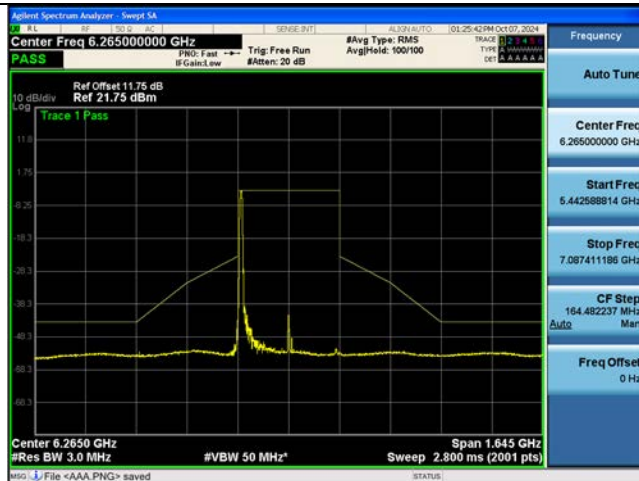
802.11be EHT160M Ch.79(6345 MHz) 484T+242T RU93



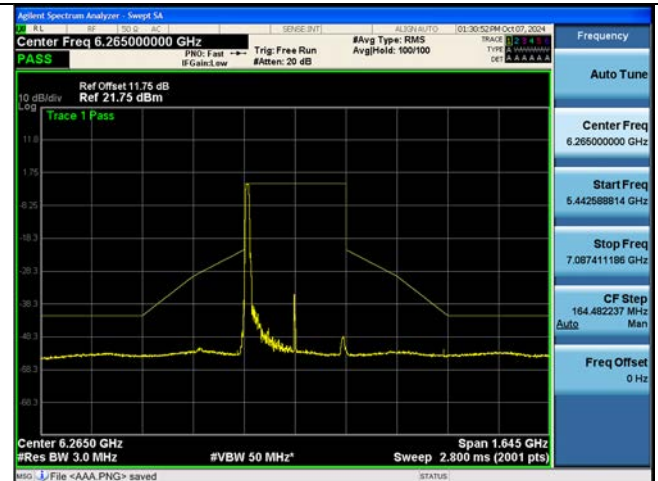
Bandwidth EHT160M, Ch.79(6345 MHz) 996T+484T RU94



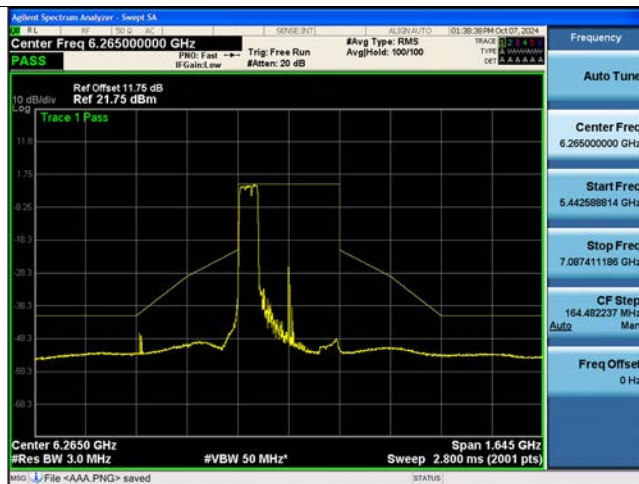
Bandwidth 320M, Ch. 63(6265 MHz) 52T+26T RU70



Bandwidth 320M, Ch. 63(6265 MHz) 106T+26T RU82



Bandwidth 320M, Ch. 63(6265 MHz) 484T+242T RU93



Bandwidth 320M, Ch. 63(6265 MHz) 996T+484T RU1095



Bandwidth 320M, Ch. 63(6265 MHz) 2x996T+484T RU10102



Bandwidth 320M, Ch. 63(6265 MHz) 3x996T RU104



Bandwidth 320M, Ch. 63(6265 MHz) 3x996T+484T RU105



[Ant.2]

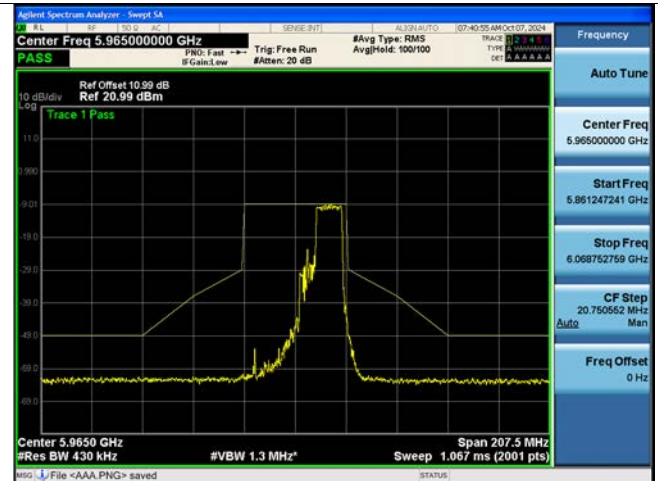
802.11be EHT20M Ch.181(6855 MHz) 52T+26T RU72

802.11be EHT20M Ch.181(6855 MHz) 106T+26T RU83

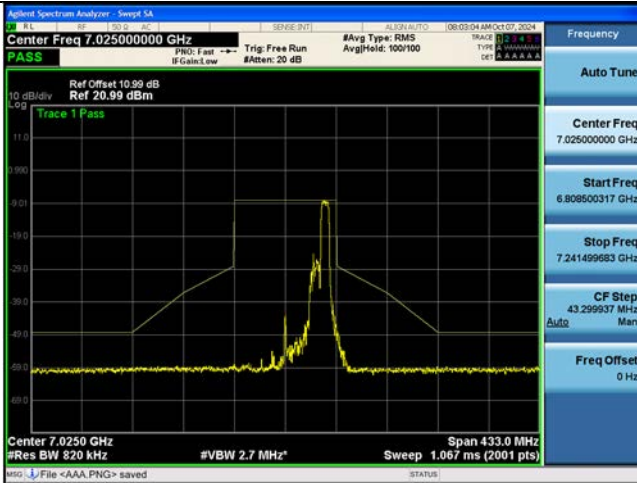


802.11be EHT40M Ch.3(5965 MHz) 52T+26T RU75

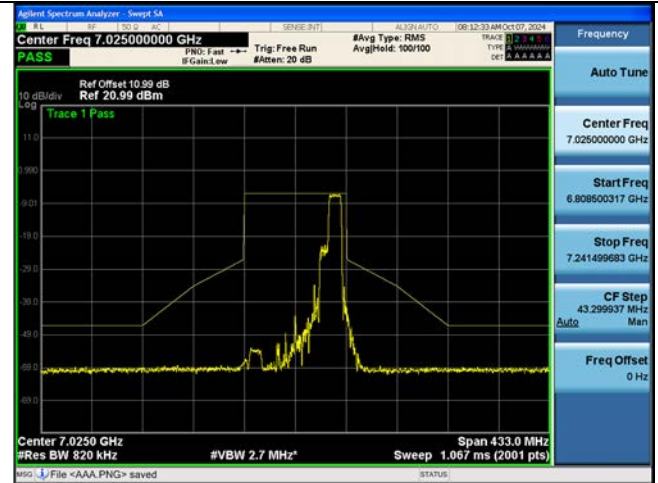
802.11be EHT40M Ch.3(5965 MHz) 106T+26T RU85



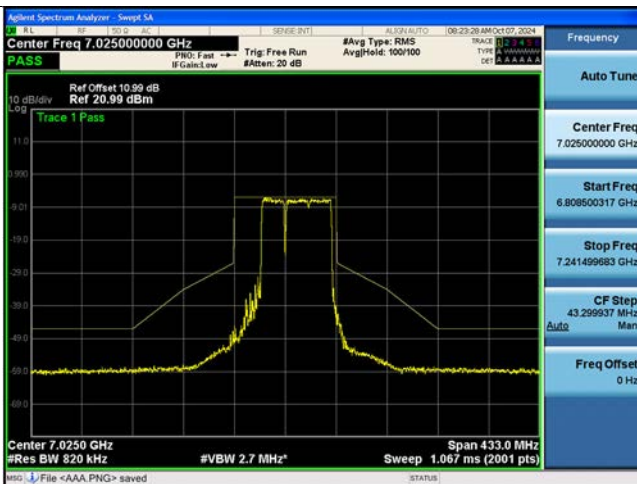
802.11be EHT80M Ch.215(7025 MHz) 52T+26T RU81



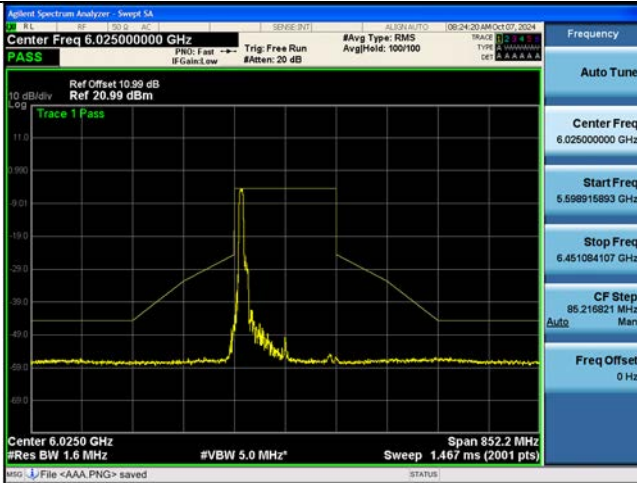
802.11be EHT80M Ch.215(7025 MHz) 106T+26T RU89



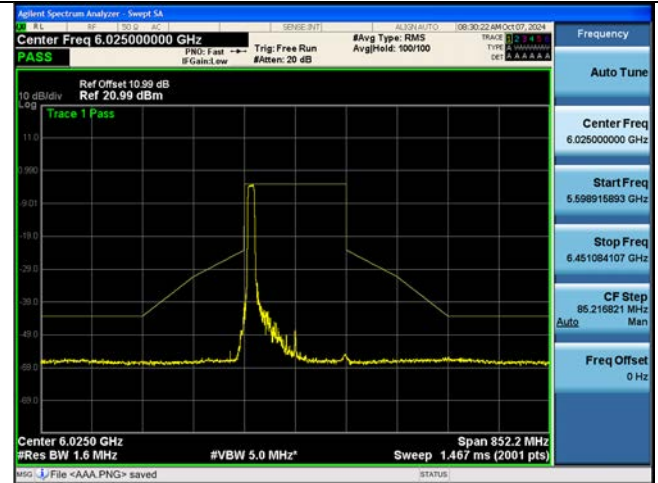
802.11be EHT80M Ch.215(7025 MHz) 484T+242T RU90



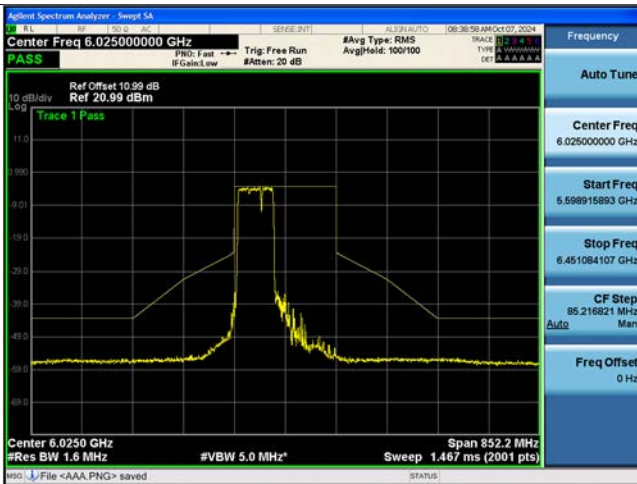
802.11be EHT160M Ch.15(6025 MHz) 52T+26T RU70



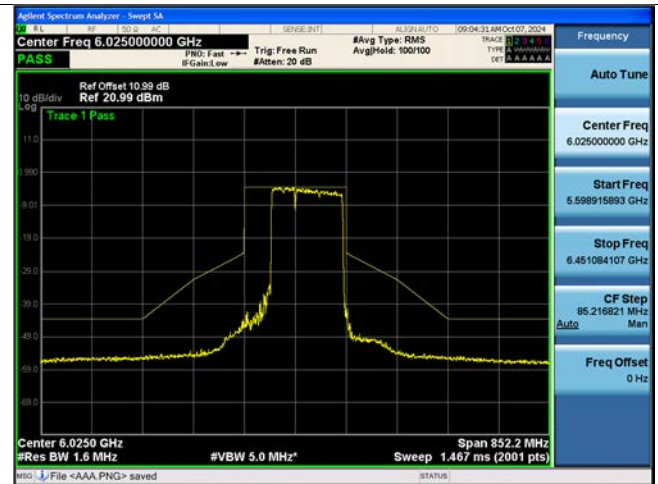
802.11be EHT160M Ch.15(6025 MHz) 106T+26T RU82



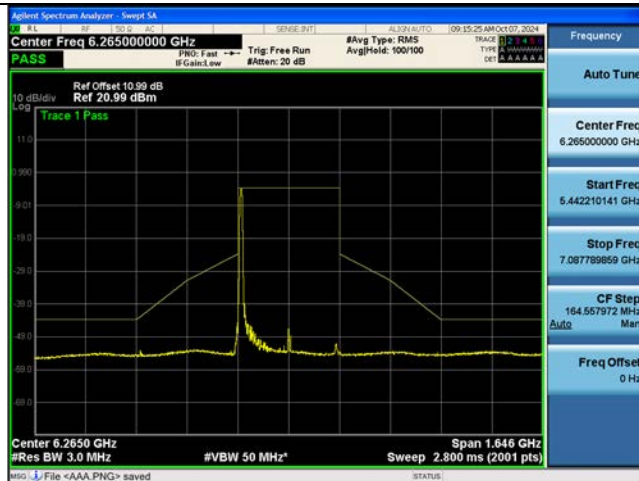
802.11be EHT160M Ch.15(6025 MHz) 484T+242T RU93



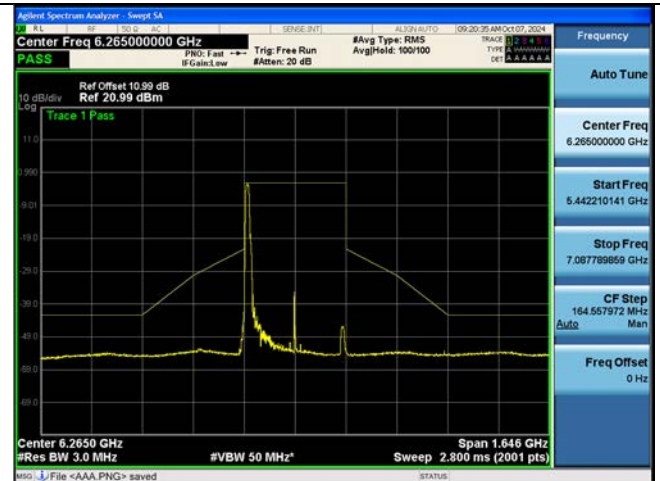
802.11be EHT160M Ch.15(6025 MHz) 996T+484T RU94



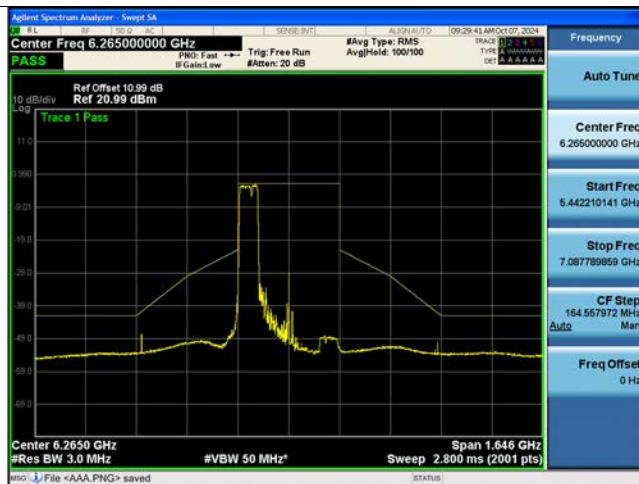
Bandwidth 320M, Ch. 63(6265 MHz) 52T+26T RU70



Bandwidth 320M, Ch. 63(6265 MHz) 106T+26T RU82



Bandwidth 320M, Ch. 63(6265 MHz) 484T+242T RU93



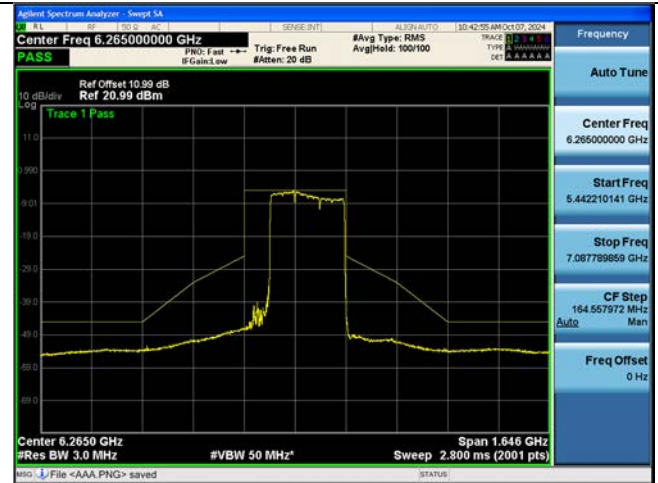
Bandwidth 320M, Ch. 63(6265 MHz) 996T+484T RU1095



Bandwidth 320M, Ch. 63(6265 MHz) 2x996T+484T RU10102



Bandwidth 320M, Ch. 63(6265 MHz) 3x996T RU104

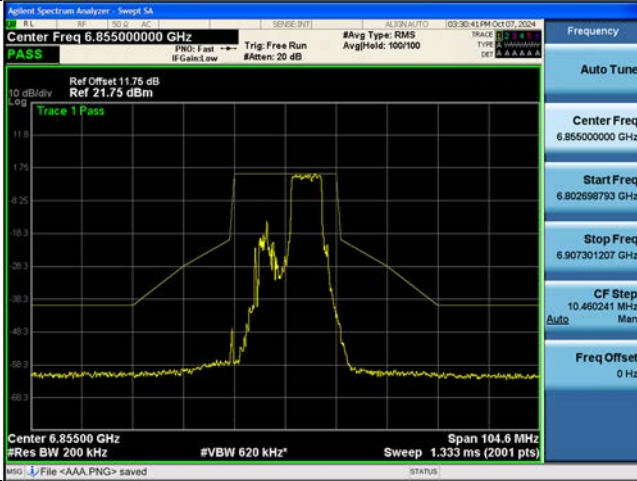


Bandwidth 320M, Ch. 63(6265 MHz) 3x996T+484T RU105

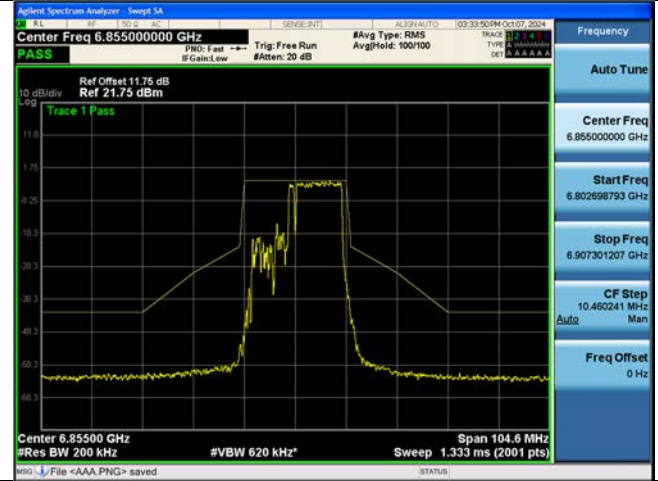


[Standard Client]
[Ant.1]

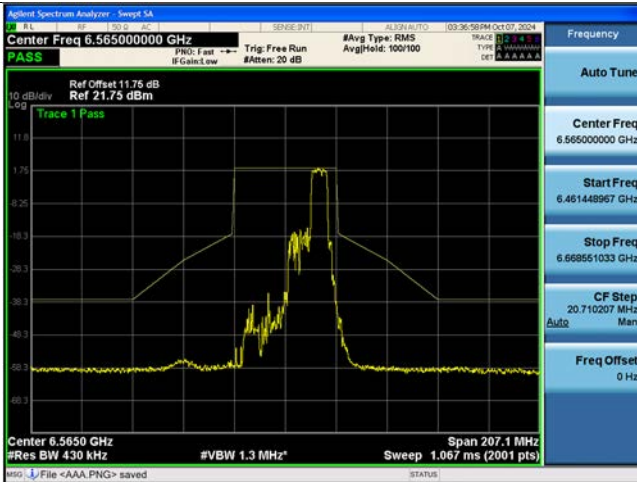
802.11be EHT20M Ch.181(6855 MHz) 52T+26T RU72



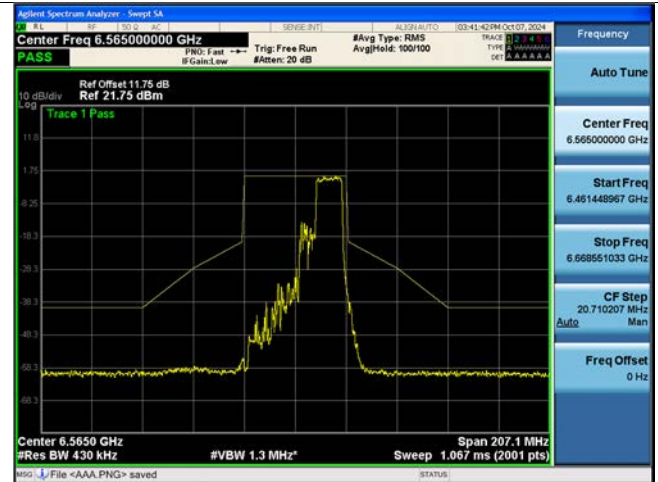
802.11be EHT20M Ch.181(6855 MHz) 106T+26T RU83



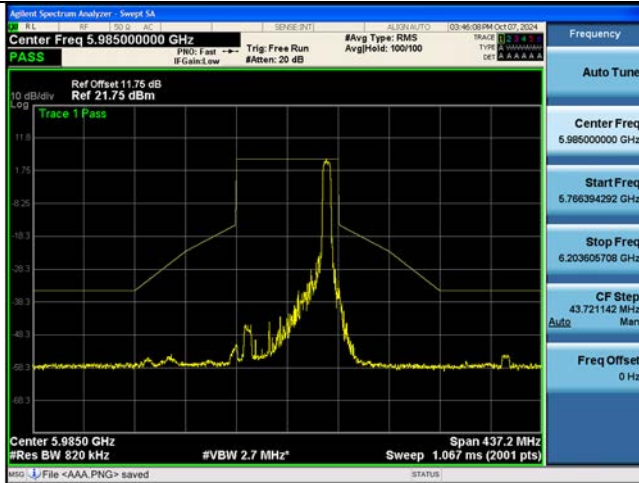
802.11be EHT40M Ch.123(6565 MHz) 52T+26T RU75



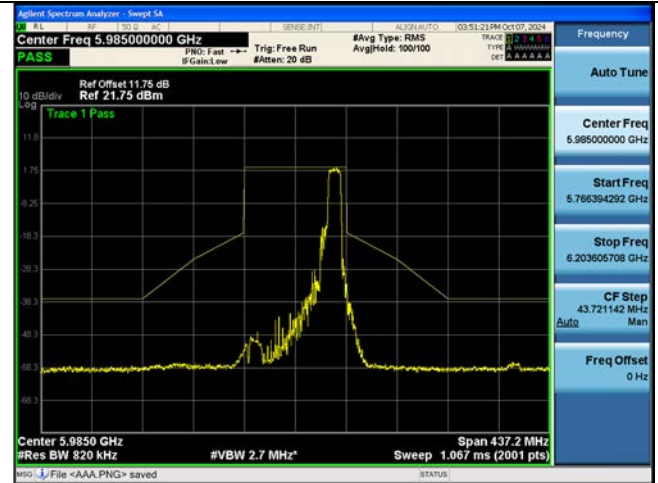
802.11be EHT40M Ch.123(6565 MHz) 106T+26T RU85



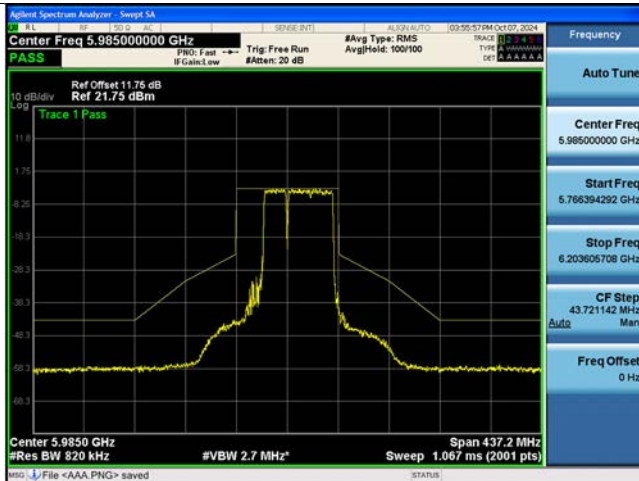
802.11be EHT80M Ch.7(5985 MHz) 52T+26T RU81



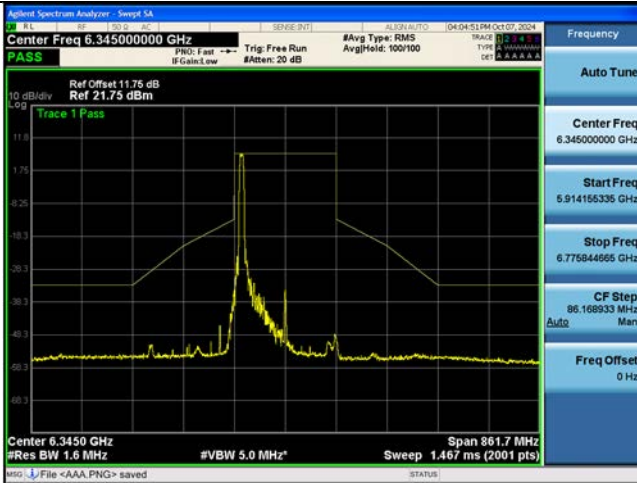
802.11be EHT80M Ch.7(5985 MHz) 106T+26T RU89



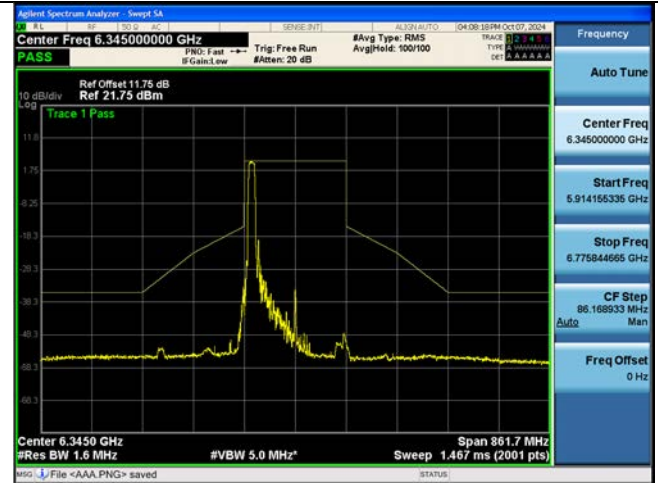
802.11be EHT80M Ch.7(5985 MHz) 484T+242T RU90



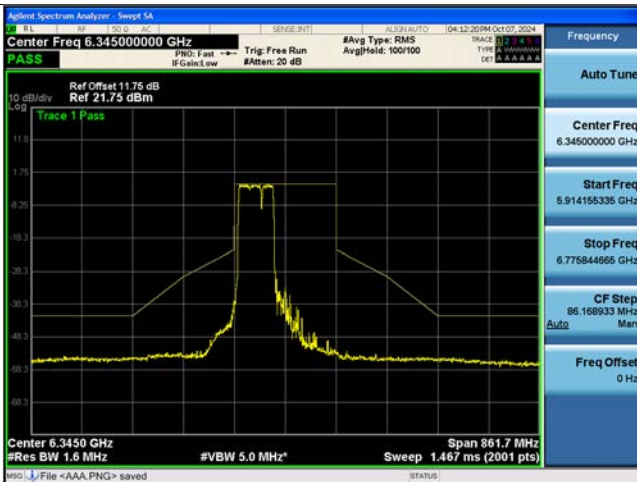
802.11be EHT160M Ch.79(6345 MHz) 52T+26T RU70



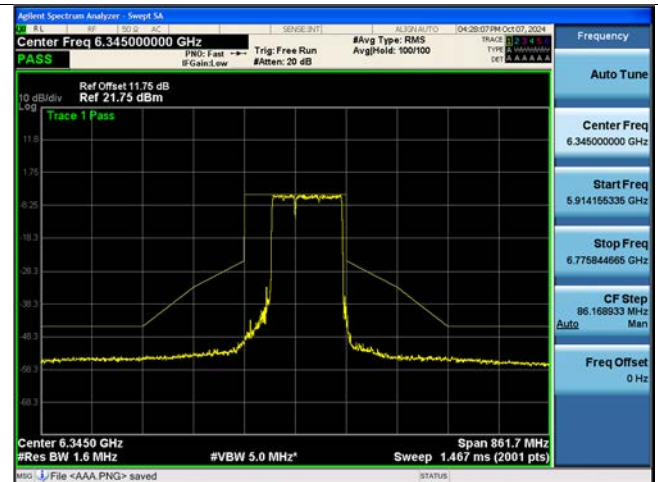
802.11be EHT160M Ch.79(6345 MHz) 106T+26T RU82



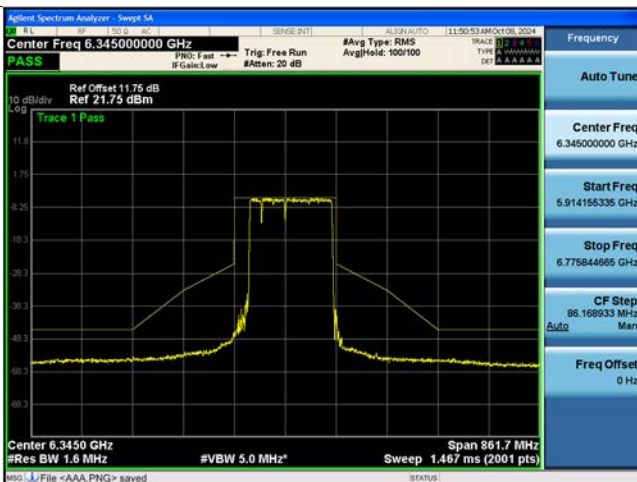
802.11be EHT160M Ch.79(6345 MHz) 484T+242T RU93



802.11be EHT160M Ch.79(6345 MHz) 996T+484T RU94



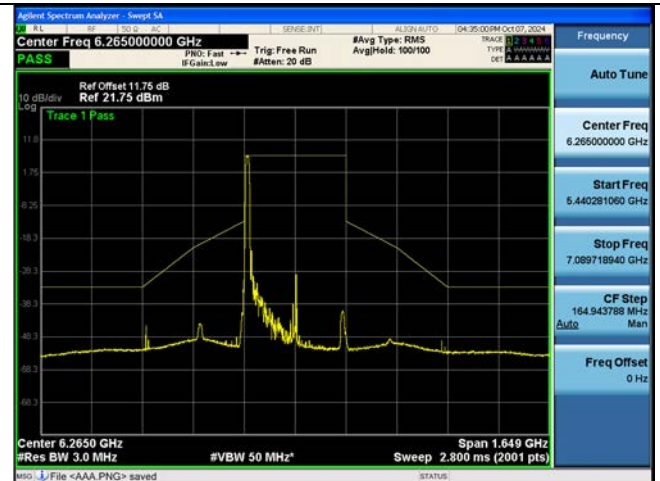
802.11be EHT160M Ch.79(6345 MHz) 996T+484T+242T RU96



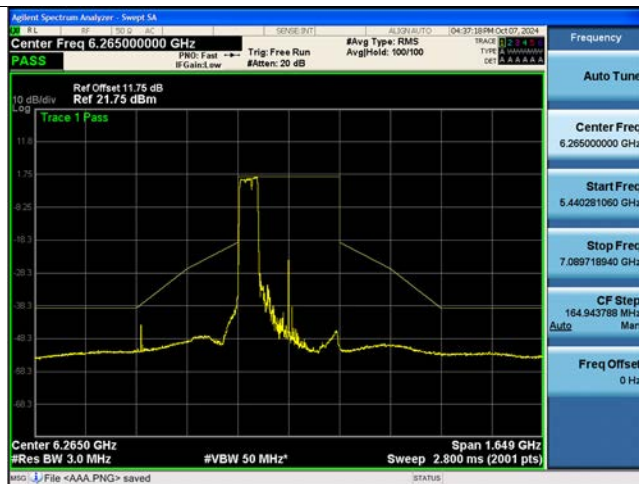
Bandwidth 320M, Ch. 63(6265 MHz) 52T+26T RU70



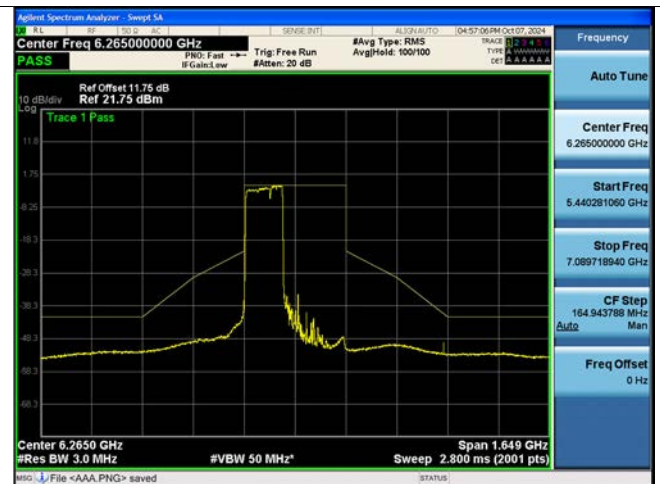
Bandwidth 320M, Ch. 63(6265 MHz) 106T+26T RU82



Bandwidth 320M, Ch. 63(6265 MHz) 484T+242T RU93



Bandwidth 320M, Ch. 63(6265 MHz) 996T+484T RU1095



Bandwidth 320M, Ch. 63(6265 MHz) 2x996T+484T RU10102



Bandwidth 320M, Ch. 63(6265 MHz) 3x996T RU104

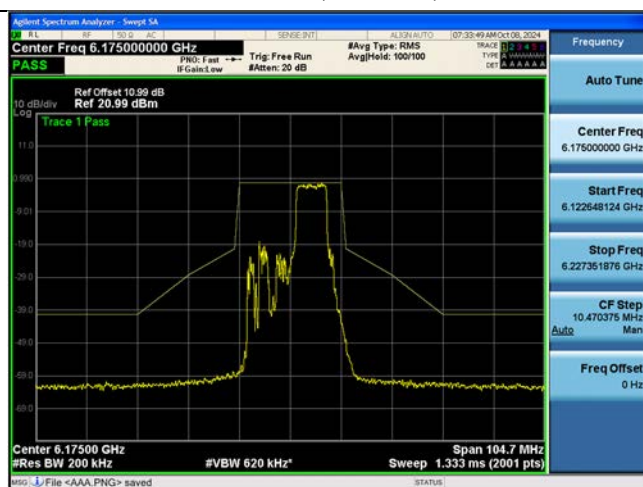


Bandwidth 320M, Ch. 63(6265 MHz) 3x996T+484T RU105

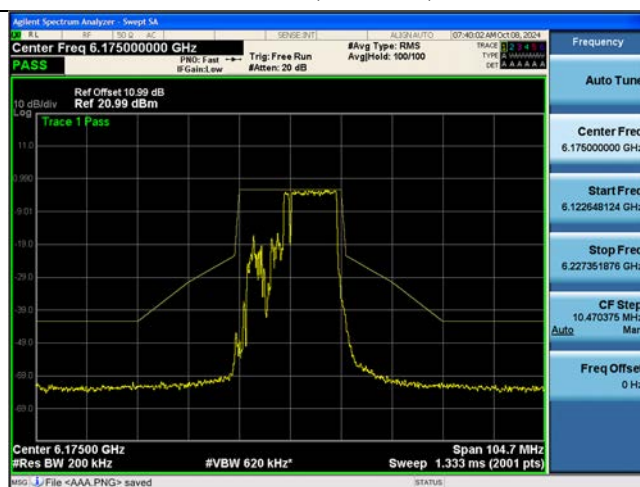


[Ant.2]

802.11be EHT20M Ch.45(6175 MHz) 52T+26T RU72



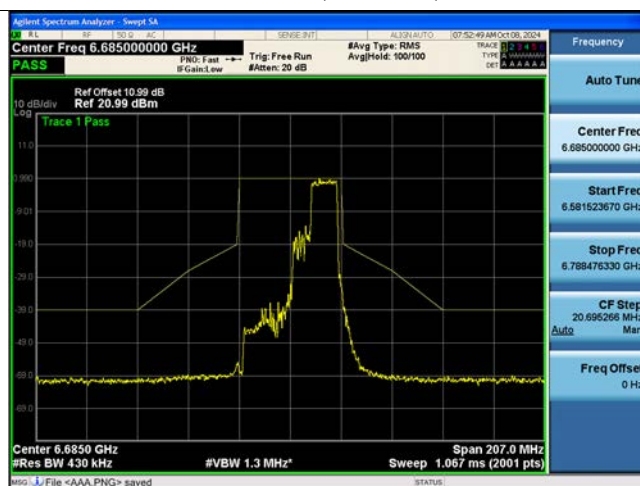
802.11be EHT20M Ch.45(6175 MHz) 106T+26T RU83



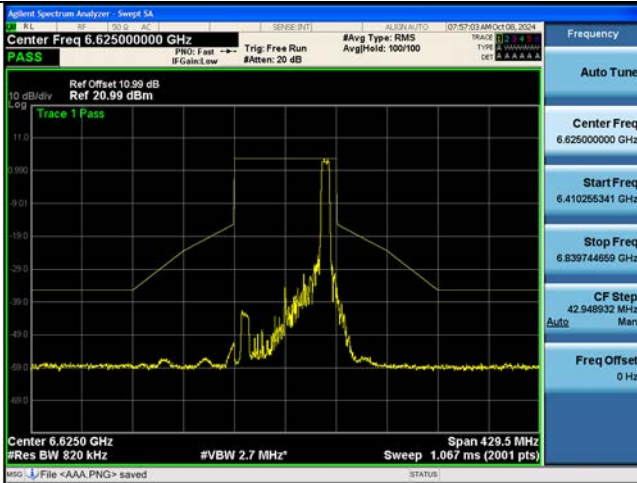
802.11be EHT40M Ch.147(6685 MHz) 52T+26T RU75



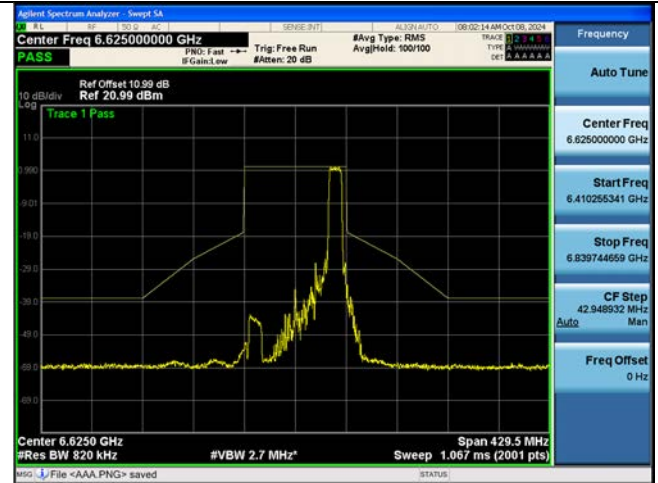
802.11be EHT40M Ch.147(6685 MHz) 106T+26T RU85



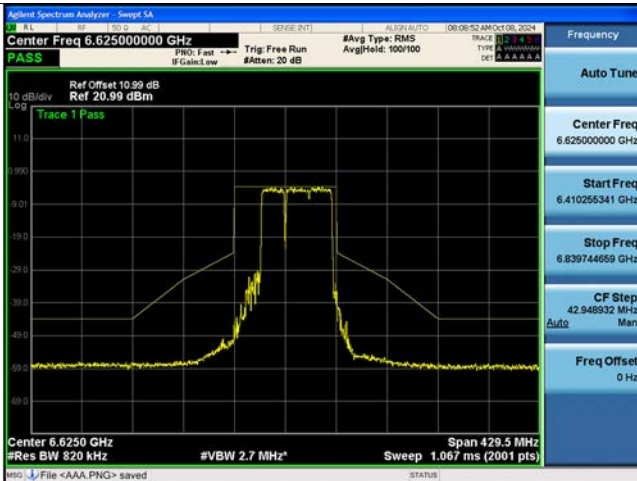
802.11be EHT80M Ch.135(6625 MHz) 52T+26T RU81



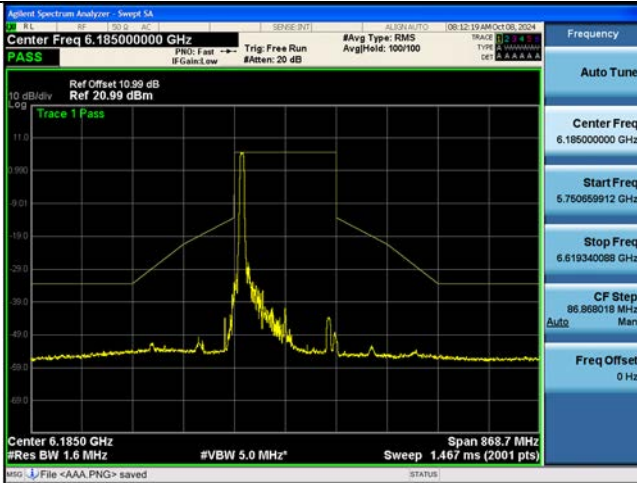
802.11be EHT80M Ch.135(6625 MHz) 106T+26T RU89



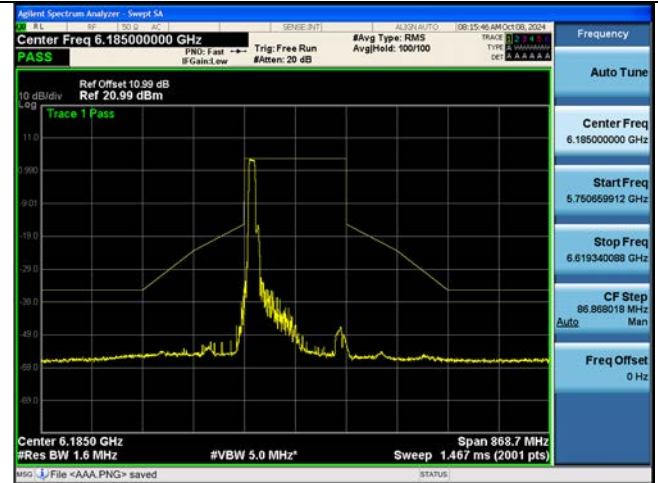
802.11be EHT80M Ch.135(6625 MHz) 484T+242T RU90



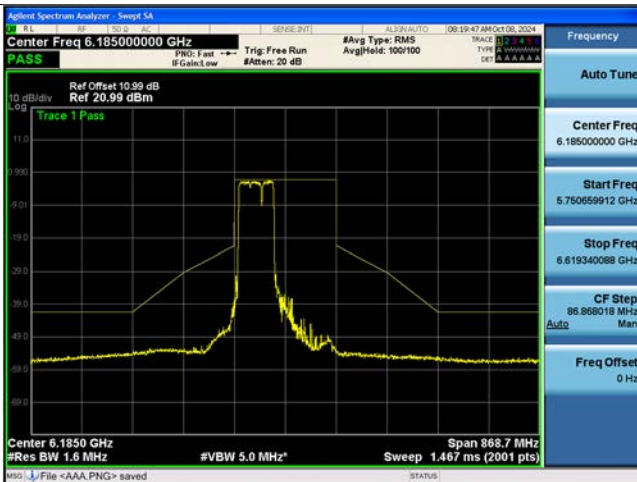
802.11be EHT160M Ch.47(6185 MHz) 52T+26T RU70



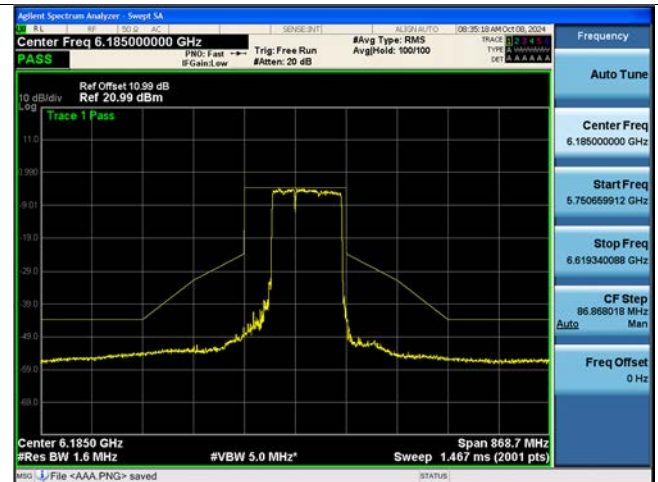
802.11be EHT160M Ch.47(6185 MHz) 106T+26T RU82



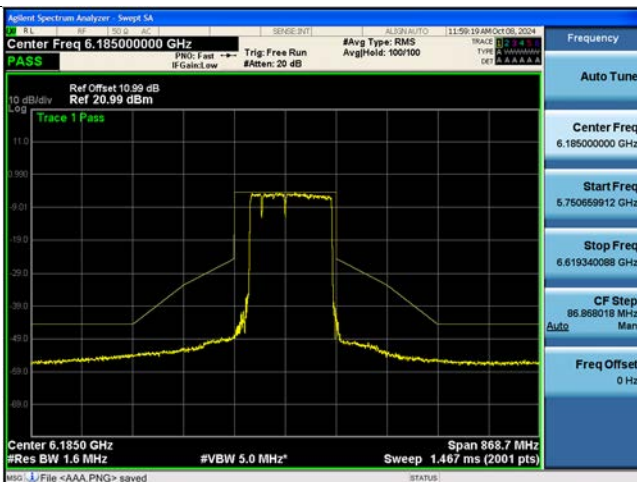
802.11be EHT160M Ch.47(6185 MHz) 484T+242T RU93



802.11be EHT160M Ch.47(6185 MHz) 996T+484T RU94



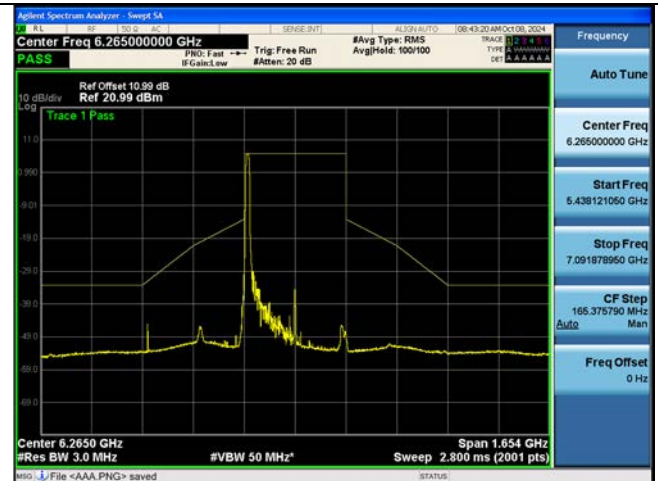
802.11be EHT160M Ch.47(6185 MHz) 996T+484T+242T RU96



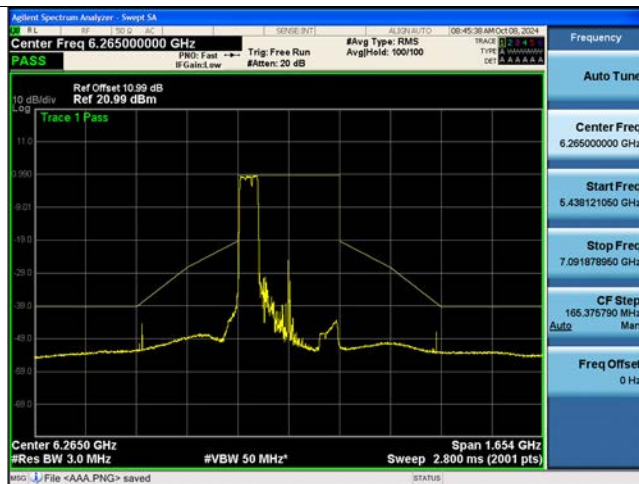
Bandwidth 320M, Ch. 63(6265 MHz)52T+26T RU70



Bandwidth 320M, Ch. 63(6265 MHz) 106T+26T RU82



Bandwidth 320M, Ch. 63(6265 MHz) 484T+242T RU93



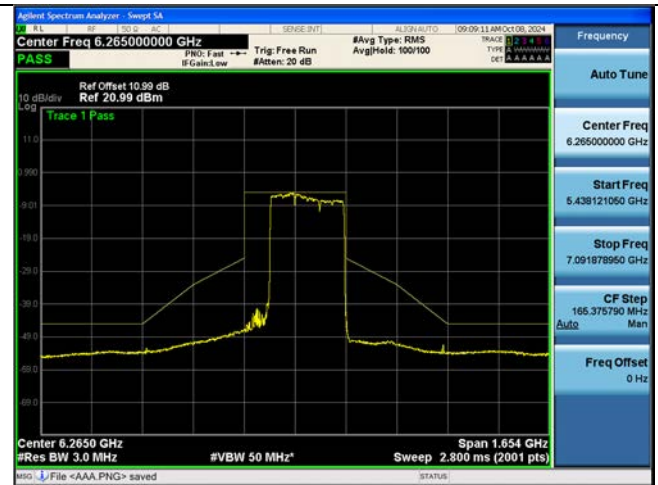
Bandwidth 320M, Ch. 63(6265 MHz) 996T+484T RU1095



Bandwidth 320M, Ch. 63(6265 MHz) 2x996T+484T RU10102



Bandwidth 320M, Ch. 63(6265 MHz) 3x996T RU104

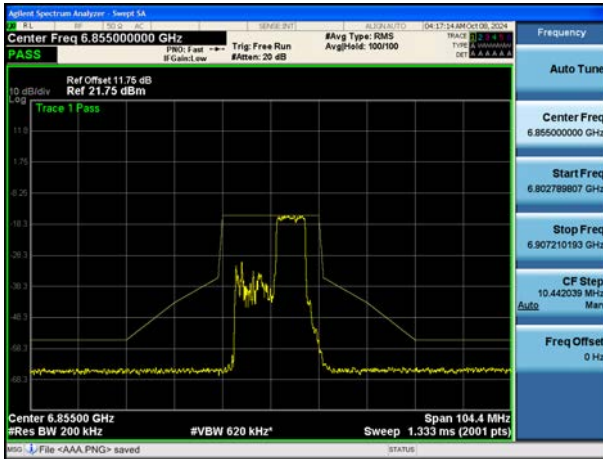


Bandwidth 320M, Ch. 63(6265 MHz) 3x996T+484T RU105

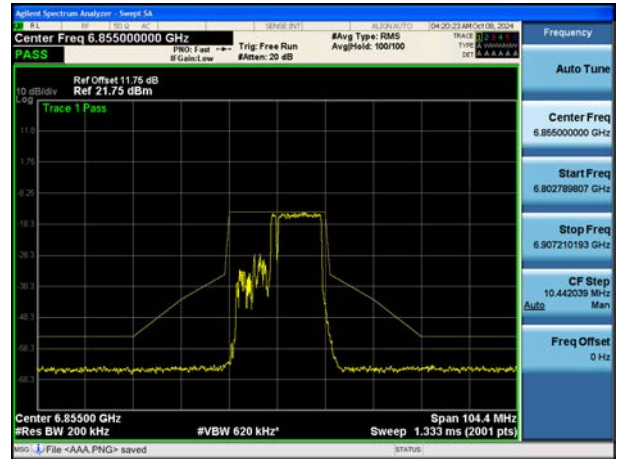


[Very Low Power Device]
[Ant.1]

802.11be EHT20M Ch.181(6855MHz) 52T+26T RU72



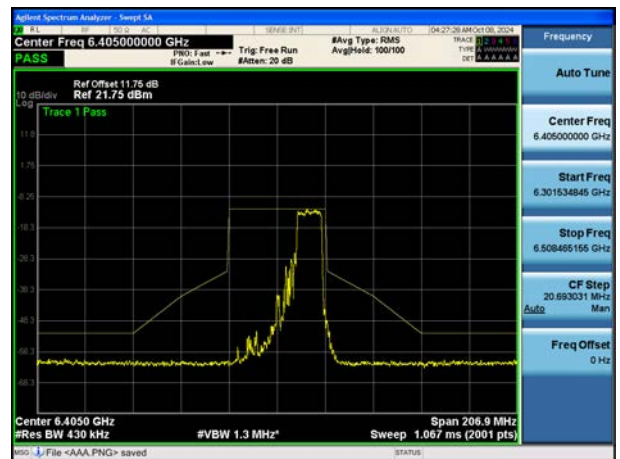
802.11be EHT20M Ch.181(6855MHz) 106T+26T RU83



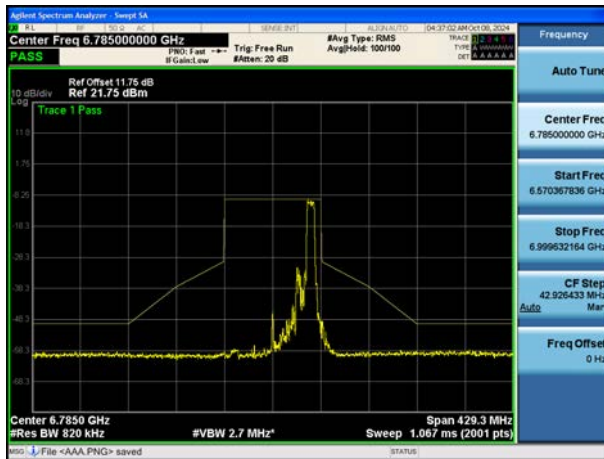
802.11be EHT40M Ch.91(6405 MHz) 52T+26T RU75



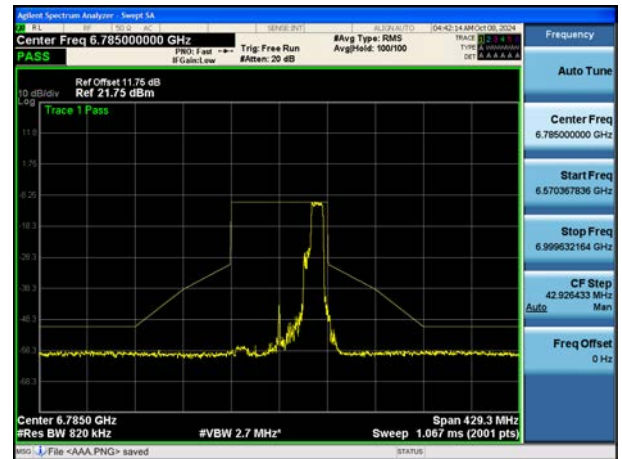
802.11be EHT40M Ch.91(6405 MHz) 106T+26T RU85



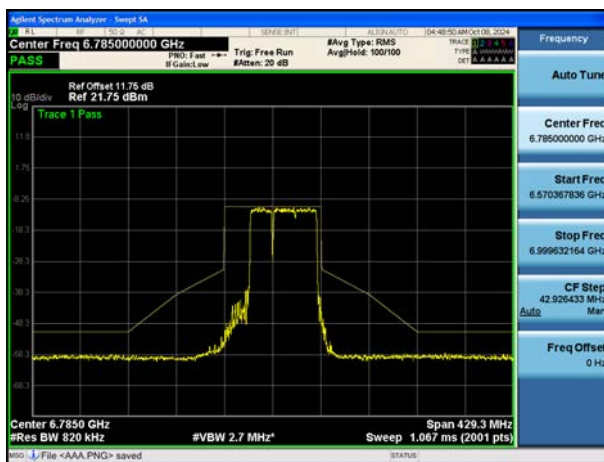
802.11be EHT80M Ch.167(6785 MHz) 52T+26T RU81



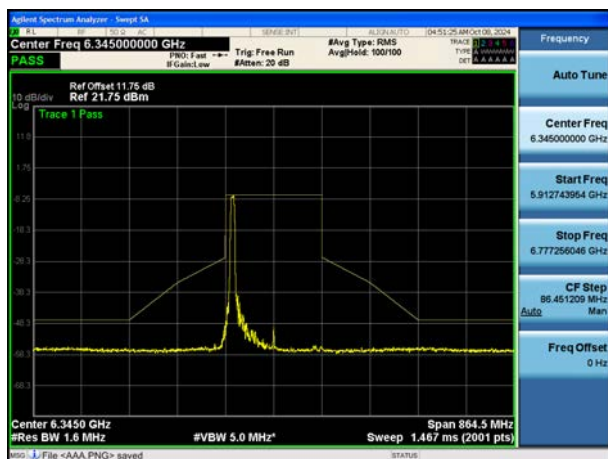
802.11be EHT80M Ch.167(6785 MHz) 106T+26T RU89



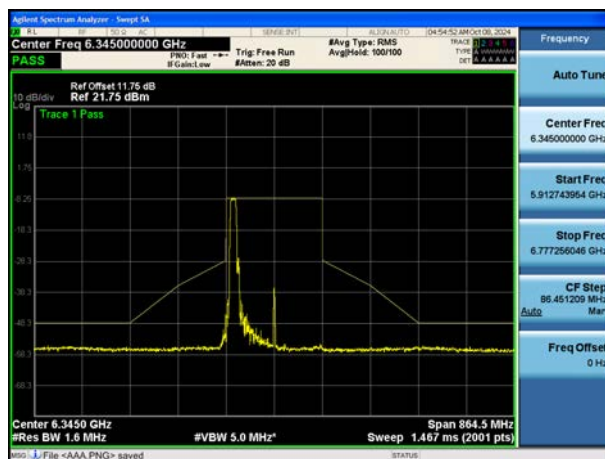
802.11be EHT80M Ch.167(6785 MHz) 484T+242T RU90



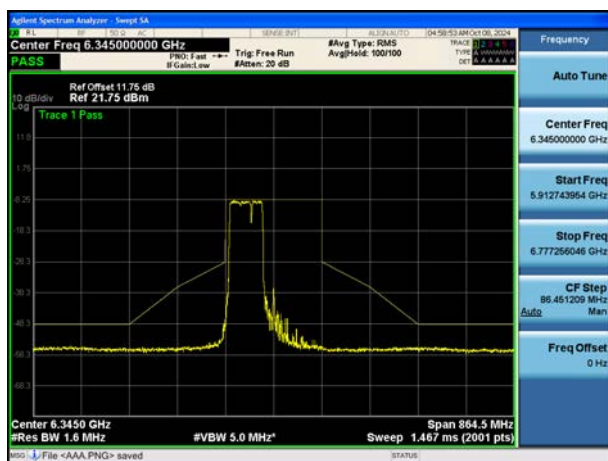
802.11be EHT160M Ch.79(6345 MHz) 52T+26T RU70



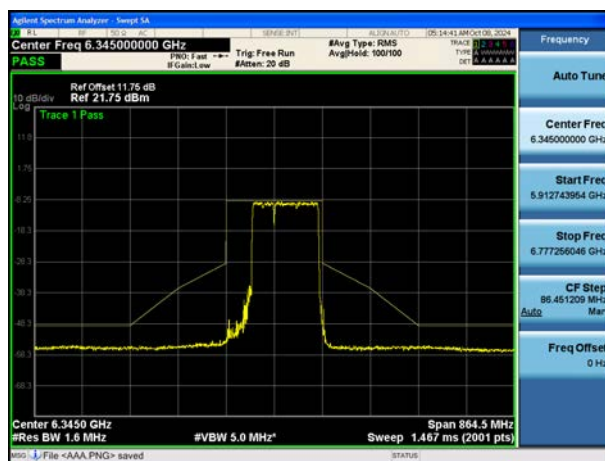
802.11be EHT160M Ch.79(6345 MHz) 106T+26T RU82



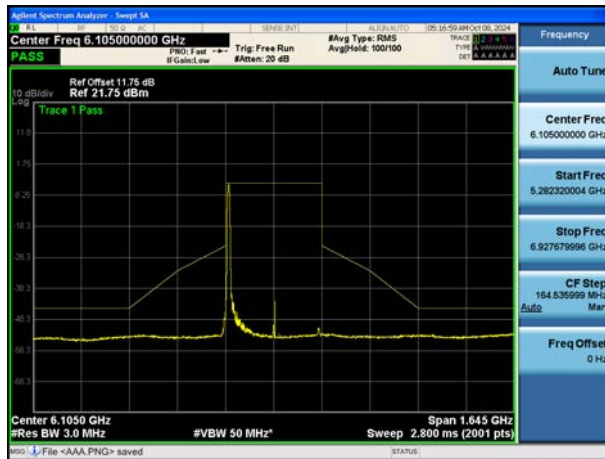
802.11be EHT160M Ch.79(6345 MHz) 484T+242T RU93



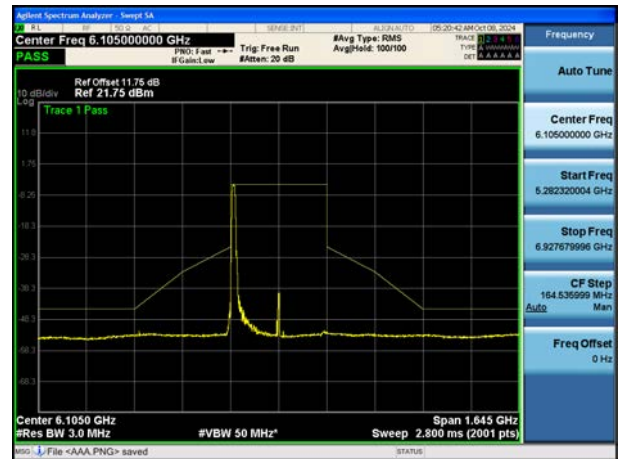
802.11be EHT160M Ch.79(6345 MHz) 996T+484T RU94



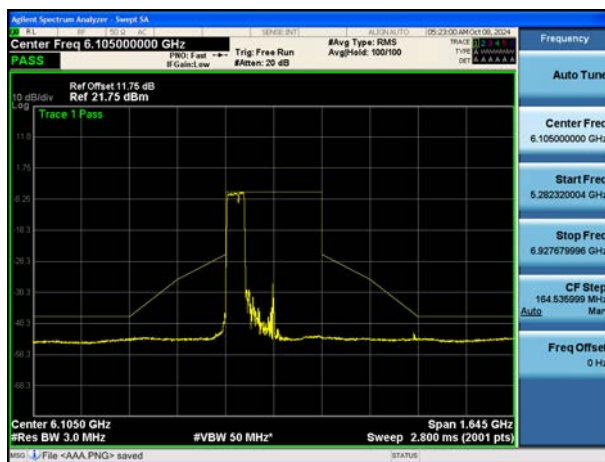
Bandwidth 320M, Ch. 31(6105 MHz) 52T+26T RU70



Bandwidth 320M, Ch. 31(6105 MHz) 106T+26T RU82



Bandwidth 320M, Ch. 31(6105 MHz) 484T+242T RU93



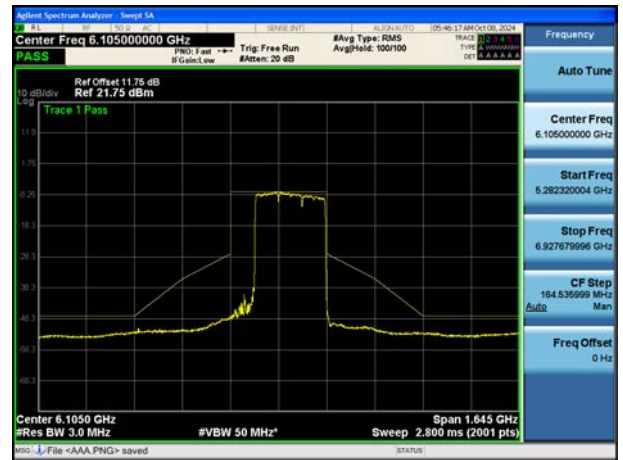
Bandwidth 320M, Ch. 31(6105 MHz) 996T+484T RU1095



Bandwidth 320M, Ch. 31(6105 MHz) 2x996T+484T RU10102



Bandwidth 320M, Ch. 31(6105 MHz) 3x996T RU104



Bandwidth 320M, Ch. 31(6105 MHz) 3x996T+484T RU105

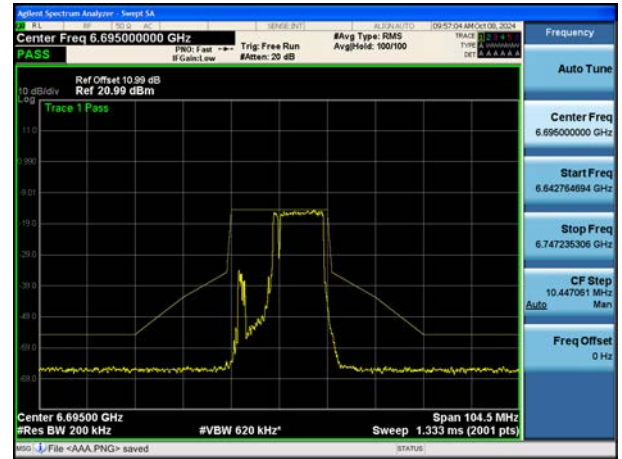


[Ant.2]

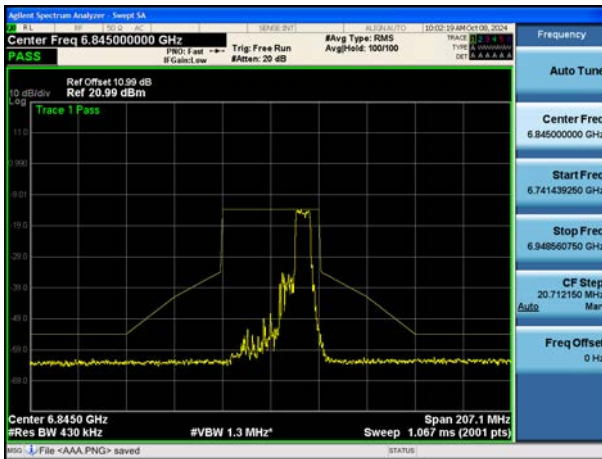
802.11be EHT20M Ch.149(6695 MHz) 52T+26T RU72



802.11be EHT20M Ch.149(6695 MHz) 106T+26T RU83



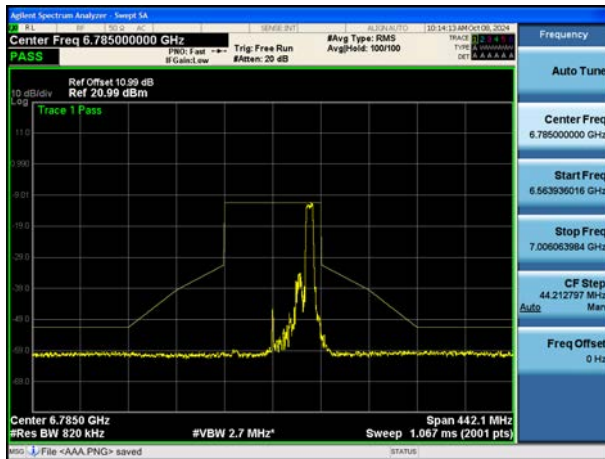
802.11be EHT40M Ch.179(6845 MHz) 52T+26T RU75



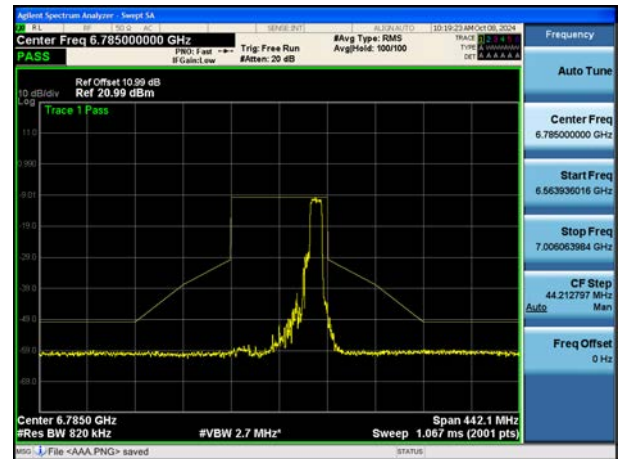
802.11be EHT40M Ch.179(6845 MHz) 106T+26T RU85



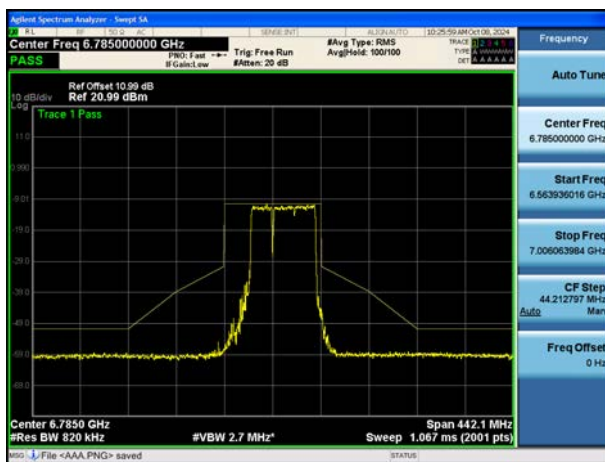
802.11be EHT80M Ch.167(6785 MHz) 52T+26T RU81



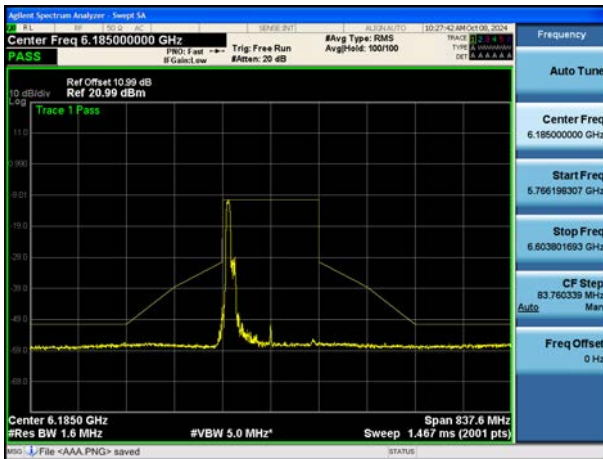
802.11be EHT80M Ch.167(6785 MHz) 106T+26T RU89



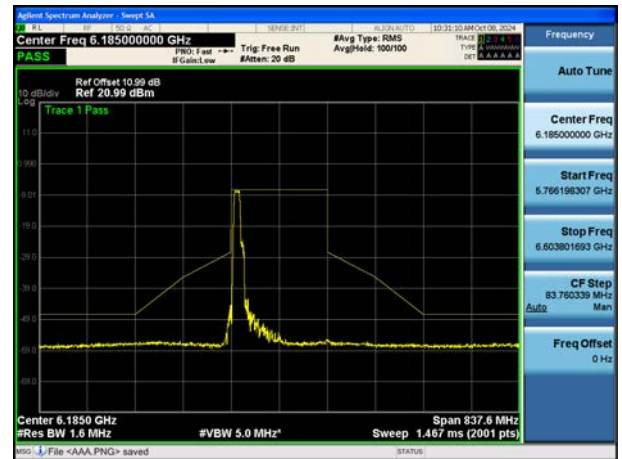
802.11be EHT80M Ch.167(6785 MHz) 484T+242T RU90



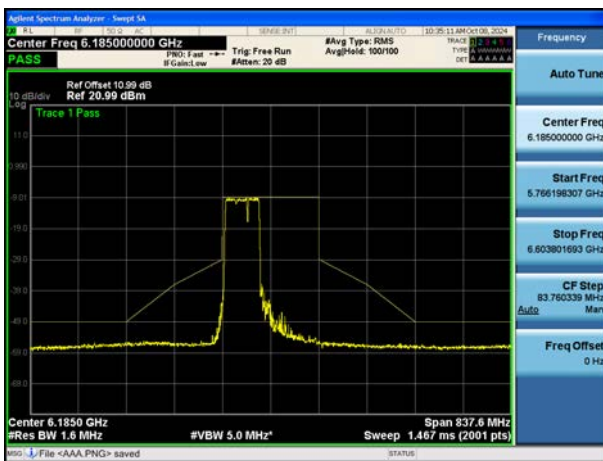
802.11be EHT160M Ch.47(6185 MHz) 52T+26T RU70



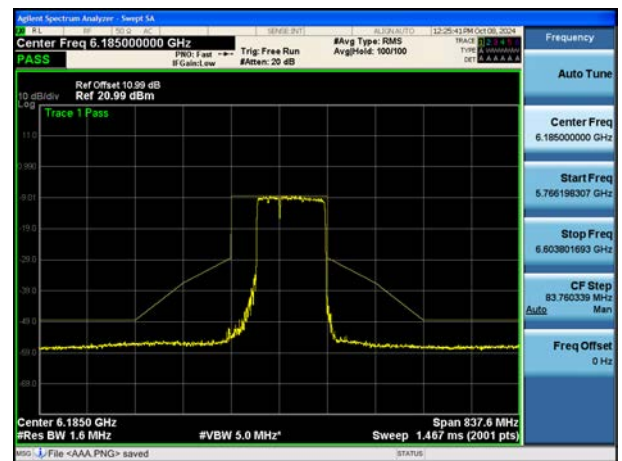
802.11be EHT160M Ch.47(6185 MHz) 106T+26T RU82



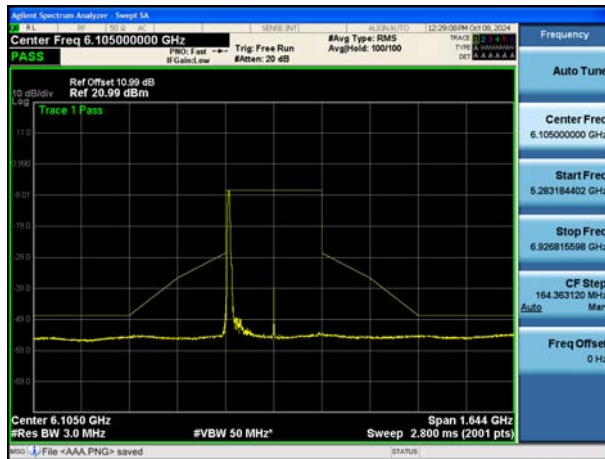
802.11be EHT160M Ch.47(6185 MHz) 484T+242T RU93



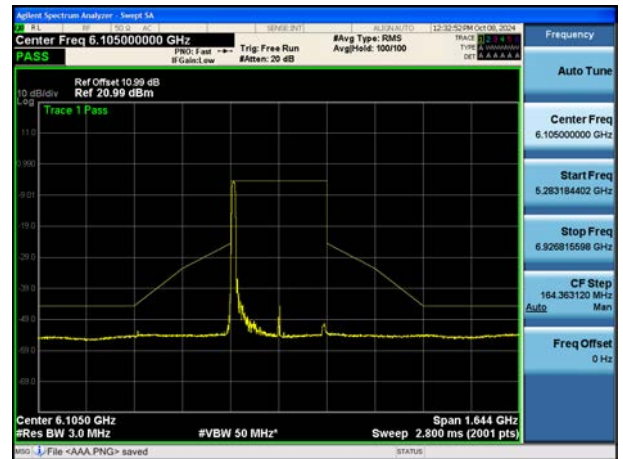
802.11be EHT160M Ch.47(6185 MHz) 996T+484T RU94



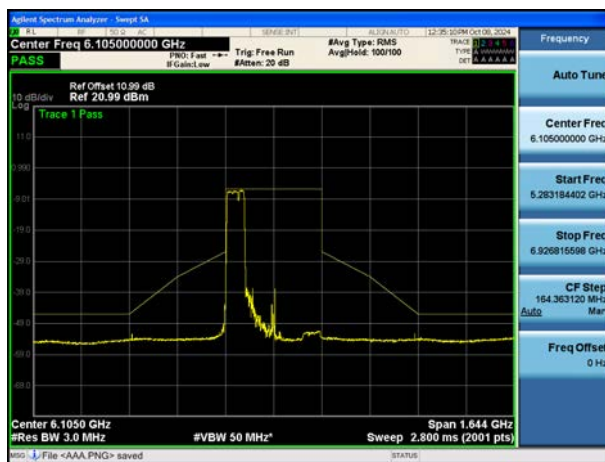
Bandwidth 320M, Ch. 31(6105 MHz) 52T+26T RU70



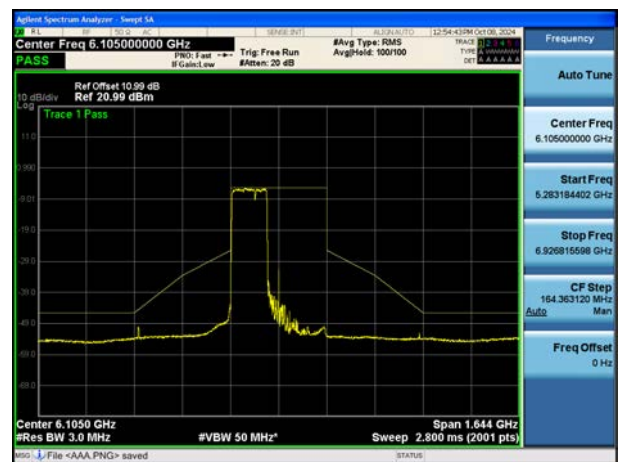
Bandwidth 320M, Ch. 31(6105 MHz) 106T+26T RU82



Bandwidth 320M, Ch. 31(6105 MHz) 484T+242T RU93



Bandwidth 320M, Ch. 31(6105 MHz) 996T+484T RU1095



Bandwidth 320M, Ch. 31(6105 MHz) 2x996T+484T RU10102



Bandwidth 320M, Ch. 31(6105 MHz) 3x996T RU104



Bandwidth 320M, Ch. 31(6105 MHz) 3x996T+484T RU105



10.6 Contention Based Protocol

Note:

1. In order to simplify the report, Only worst case for each band have been inserted.
2. The worst case antenna gain(Minimum Gain) is selected from the table.
3. The lowest gain according to the incumbent frequency is applied.
4. The antenna gain between frequencies was calculated linearly.
5. Bandwidth Reduction was used for incumbent avoidance.
6. This device only punctures to optimize network performance and never to avoid licensed incumbents.

Band	Ant Minimum Gain (dBi)
UNII-5	6135 MHz: -5.66
	6110 MHz: -5.66
	6265 MHz: -5.66
	6420 MHz: -5.66
UNII-6	6455 MHz: -5.50
	6270 MHz: -5.50
	6425 MHz: -5.08
	6580 MHz: -5.87
UNII-7	6615 MHz: -5.87
	6430 MHz: -5.87
	6585 MHz: -5.87
	6740 MHz: -7.59
UNII-8	6935 MHz: -5.34
	6750 MHz: -5.34
	6905 MHz: -5.34
	7060 MHz: -5.34

- Contention-based Protocol Detection Value

Band	BW	Channel No.	Incumbent Freq (MHz)	Injected Power [dBm]	Antenna Gain [dBi]	Adjusted Power [dBm]	Detection Limit [dBm]	Margin [dB]	EUT TX Status
UNII 5	EHT20	37	6135	-72.98	-5.66	-67.32	-62.00	5.32	Ceased
				-73.40	-5.66	-67.74	-62.00	5.74	Minimal
				-74.95	-5.66	-69.29	-62.00	7.29	Normal
	EHT320	31	6110	-71.49	-5.66	-65.83	-62.00	3.83	Ceased
				-72.64	-5.66	-66.98	-62.00	4.98	Minimal
				-73.56	-5.66	-67.90	-62.00	5.90	Normal
			6265	-71.24	-5.66	-65.58	-62.00	3.58	Ceased
				-72.41	-5.66	-66.75	-62.00	4.75	Minimal
				-73.35	-5.66	-67.69	-62.00	5.69	Normal
			6420	-71.30	-5.66	-65.64	-62.00	3.64	Ceased
				-72.35	-5.66	-66.69	-62.00	4.69	Minimal
				-73.18	-5.66	-67.52	-62.00	5.52	Normal
UNII 6	EHT20	101	6455	-71.97	-5.50	-66.47	-62.00	4.47	Ceased
				-73.10	-5.50	-67.60	-62.00	5.60	Minimal
				-74.01	-5.50	-68.51	-62.00	6.51	Normal
	EHT320	95	6270	-72.33	-5.50	-66.83	-62.00	4.83	Ceased
				-73.15	-5.50	-67.65	-62.00	5.65	Minimal
				-73.92	-5.50	-68.42	-62.00	6.42	Normal
			6425	-70.24	-5.08	-65.16	-62.00	3.16	Ceased
				-71.34	-5.08	-66.26	-62.00	4.26	Minimal
				-72.21	-5.08	-67.13	-62.00	5.13	Normal
			6580	-73.14	-5.87	-67.27	-62.00	5.27	Ceased
				-73.99	-5.87	-68.12	-62.00	6.12	Minimal
				-74.86	-5.87	-68.99	-62.00	6.99	Normal
UNII 7	EHT20	133	6615	-72.58	-5.87	-66.71	-62.00	4.71	Ceased
				-73.15	-5.87	-67.28	-62.00	5.28	Minimal
				-74.39	-5.87	-68.52	-62.00	6.52	Normal
	EHT320	127	6430	-70.71	-5.87	-64.84	-62.00	2.84	Ceased
				-71.56	-5.87	-65.69	-62.00	3.69	Minimal
				-73.06	-5.87	-67.19	-62.00	5.19	Normal
			6585	-69.90	-5.87	-64.03	-62.00	2.03	Ceased
				-70.65	-5.87	-64.78	-62.00	2.78	Minimal
				-71.39	-5.87	-65.52	-62.00	3.52	Normal
			6740	-74.26	-7.59	-66.67	-62.00	4.67	Ceased
				-75.17	-7.59	-67.58	-62.00	5.58	Minimal
				-75.98	-7.59	-68.39	-62.00	6.39	Normal
UNII 8	EHT20	197	6935	-73.51	-5.34	-68.17	-62.00	6.17	Ceased
				-74.29	-5.34	-68.95	-62.00	6.95	Minimal
				-75.21	-5.34	-69.87	-62.00	7.87	Normal
	EHT320	191	6750	-71.42	-5.34	-66.08	-62.00	4.08	Ceased
				-71.87	-5.34	-66.53	-62.00	4.53	Minimal
				-72.99	-5.34	-67.65	-62.00	5.65	Normal
			6905	-70.18	-5.34	-64.84	-62.00	2.84	Ceased
				-70.79	-5.34	-65.45	-62.00	3.45	Minimal
				-71.87	-5.34	-66.53	-62.00	4.53	Normal
			7060	-72.10	-5.34	-66.76	-62.00	4.76	Ceased
				-72.68	-5.34	-67.34	-62.00	5.34	Minimal
				-73.77	-5.34	-68.43	-62.00	6.43	Normal

Note:

1. KDB 987594 D02, contention based protocol was tested using an AWGN signal with a bandwidth of 10MHz.

The amplitude of the signal was increased until detected by the EUT, signaled by the ceasing of transmission, marker indicates the point at which the AWGN signal is introduced.

2. $\text{Injected Power(dBm)} = \text{Actual power of AWGN injected into the antenna port(dBm)} + \text{Path Loss(dB)}$

3. $\text{Adjusted Power(dBm)} = \text{Injected Power(dBm)} - \text{Antenna Gain(dBi)}$

4. In order to simplify the report, attached were only the worst-case plots.

- Detection probability evaluation table Result

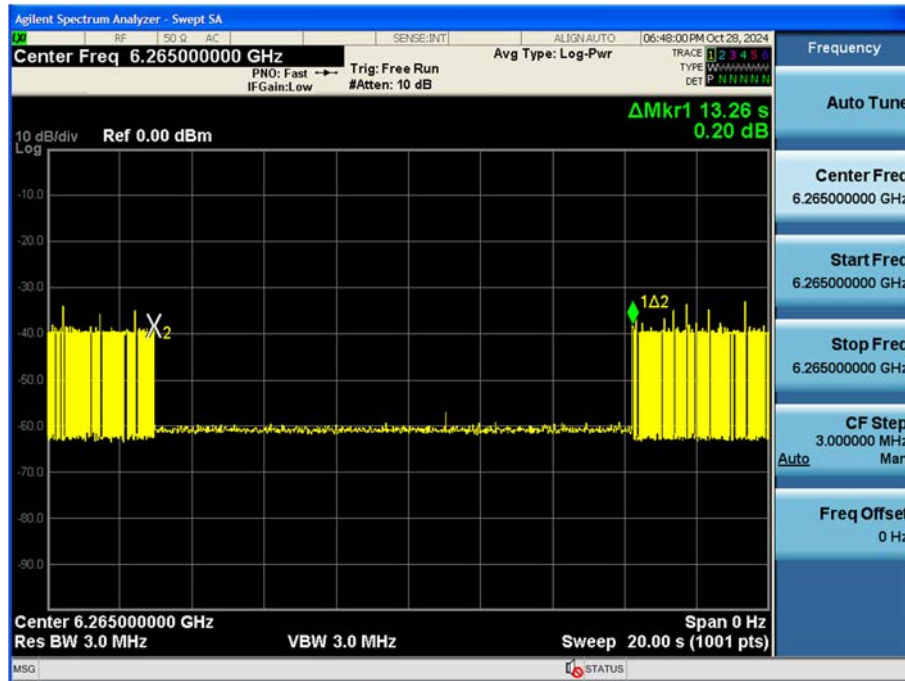
Band	BW	Channel No.	Center Frequency (MHz)	Incumbent Frequency (MHz)	Adjusted Power [dBm]	1	2	3	4	5	6	7	8	9	10	AWGN Detection Probability (%)	Limit Probability (%)
UNII 5	EHT20	37	6135	6135	-67.32	o	o	o	o	o	o	o	o	o	o	100	90
	EHT320	31	6265	6110	-65.83	o	o	o	o	o	o	o	o	o	o	100	90
				6265	-65.58	o	o	o	o	o	o	o	o	o	o	100	90
				6420	-65.64	o	o	o	o	o	o	o	o	o	o	100	90
UNII 6	EHT20	101	6455	6455	-66.47	o	o	o	o	o	o	o	o	o	o	100	90
	EHT320	95	6425	6270	-66.83	o	o	o	o	o	o	o	o	o	o	100	90
				6425	-65.16	o	o	o	o	o	o	o	o	o	o	100	90
				6580	-67.27	o	o	o	o	o	o	o	o	o	o	100	90
UNII 7	EHT20	133	6615	6615	-66.71	o	o	o	o	o	o	o	o	o	o	100	90
	EHT320	127	6585	6430	-64.84	o	o	o	o	o	o	o	o	o	o	100	90
				6585	-64.03	o	o	o	o	o	o	o	o	o	o	100	90
				6740	-66.67	o	o	o	o	o	o	o	o	o	o	100	90
UNII 8	EHT20	197	6935	6935	-68.17	o	o	o	o	o	o	o	o	o	o	100	90
	EHT320	191	6905	6750	-66.08	o	o	o	o	o	o	o	o	o	o	100	90
				6905	-64.84	o	o	o	o	o	o	o	o	o	o	100	90
				7060	-66.76	o	o	o	o	o	o	o	o	o	o	100	90

Test Plots(Contention Based Protocol)

Incumbent Detection Result

UNII 5

802.11be EHT320 Ch.31(6265 MHz) Incumbent signal (Ceased)



Note :

Marker 2 : AWGN Signal On

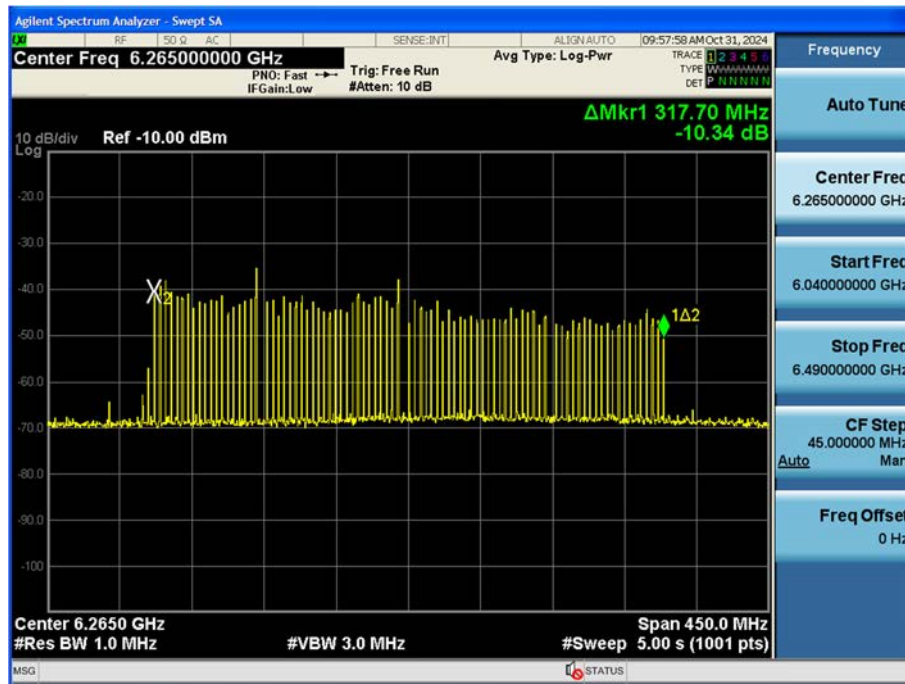
Marker 1△2 : AWGN signal Off (limit > 10s)

802.11be EHT320 Ch.31(6265 MHz) Detection Level



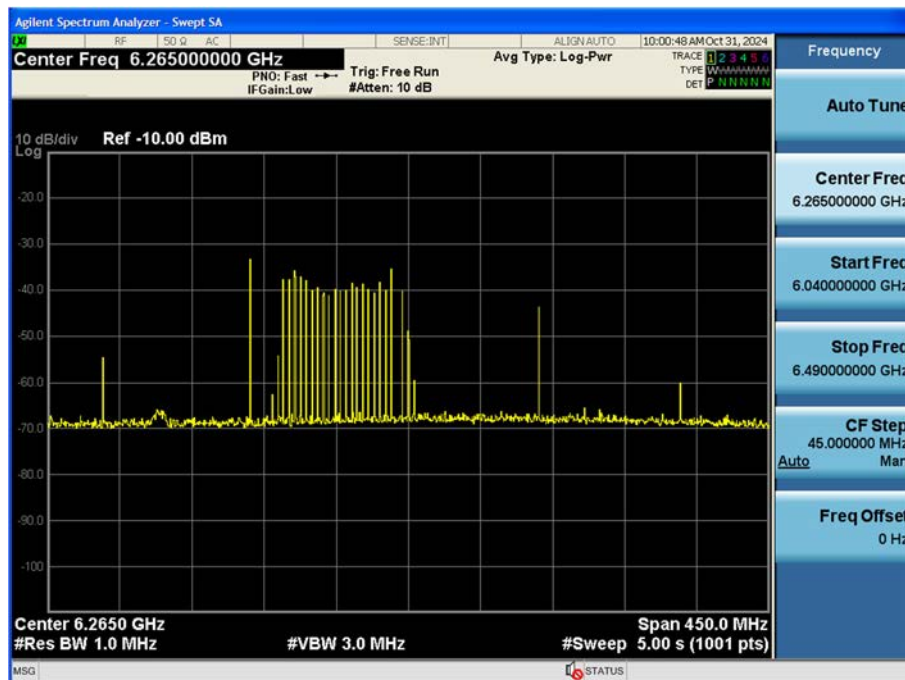
Bandwidth reduction plot (AWGN injected at low end)

6265 MHz (Not injected)



: A 10 MHz AWGN signal (centered at 6110 MHz) is injected.

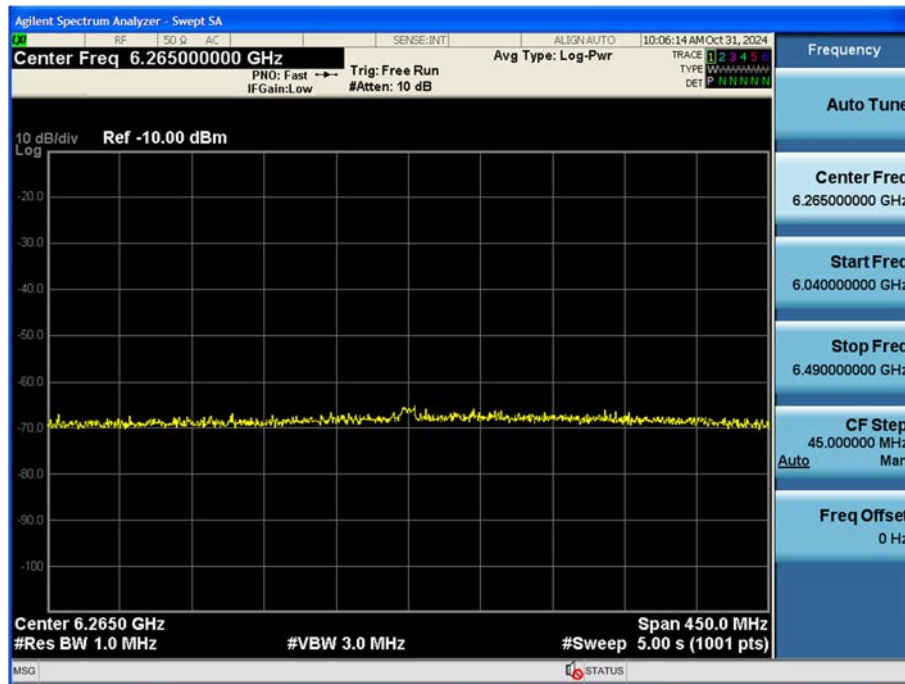
The channel reduces to an 40 MHz channel centered around 6225 MHz.



Bandwidth reduction plot (AWGN injected at center)

: A 10 MHz AWGN signal (centered at 6265 MHz) is injected.

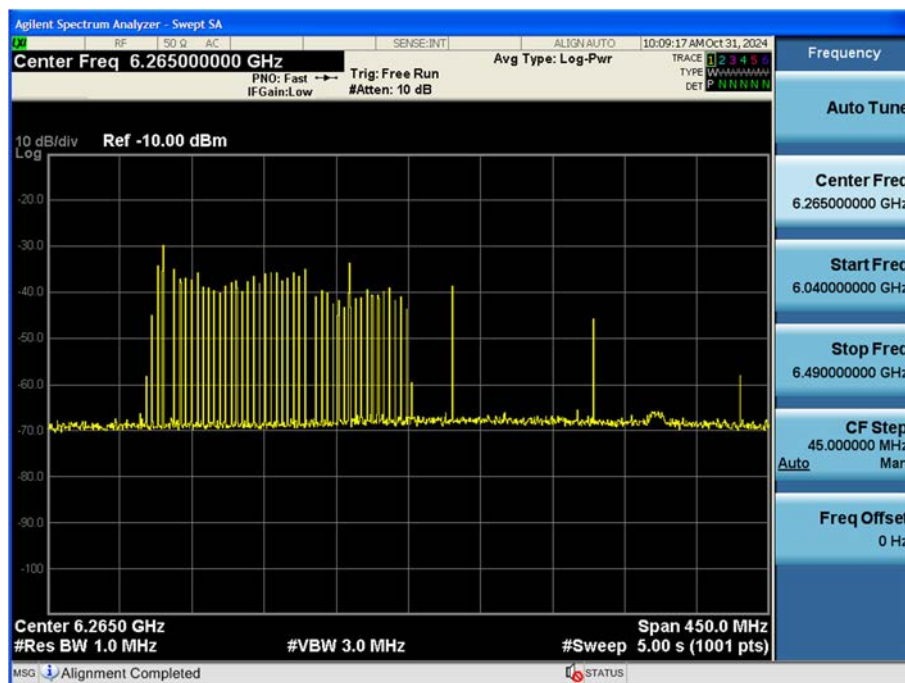
The channel completely ceases operation.



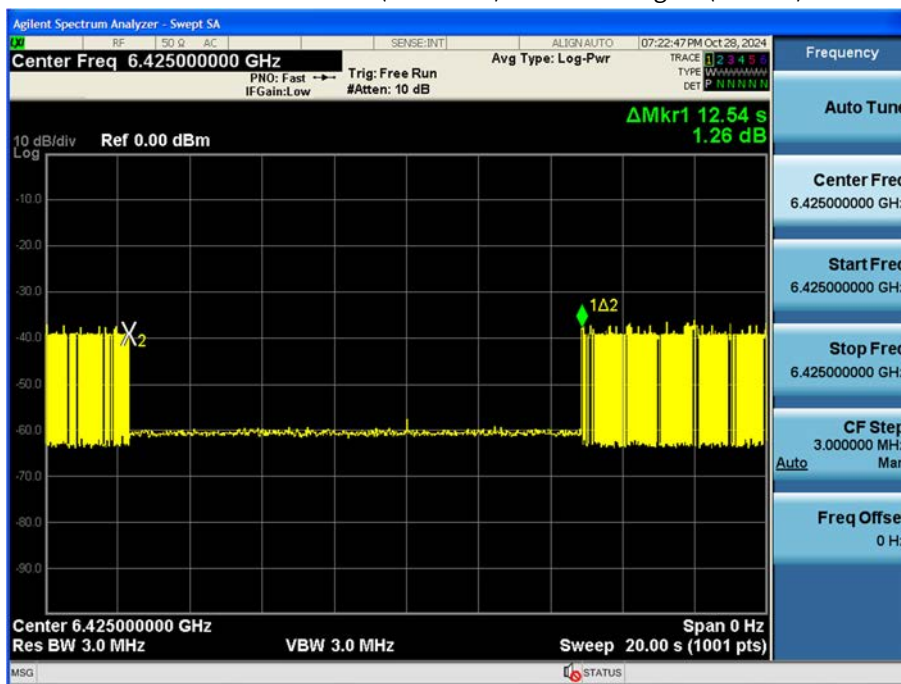
Bandwidth reduction plot (AWGN injected at high end)

: A 10 MHz AWGN signal (centered at 6420 MHz) is injected.

The channel reduces to a 160 MHz channel centered around 6145 MHz.



802.11be EHT320 Ch.95(6425 MHz) Incumbent signal (Ceased)



Note :

Marker 2 : AWGN Signal On

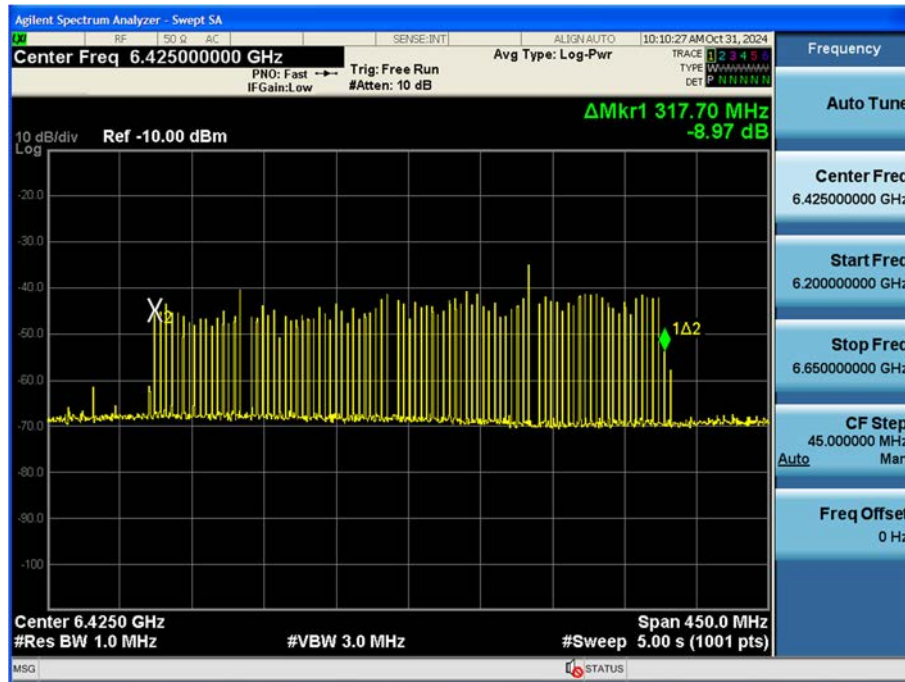
Marker 1△2 : AWGN signal Off (limit > 10s)

802.11be EHT320 Ch.95(6425 MHz) Detection Level



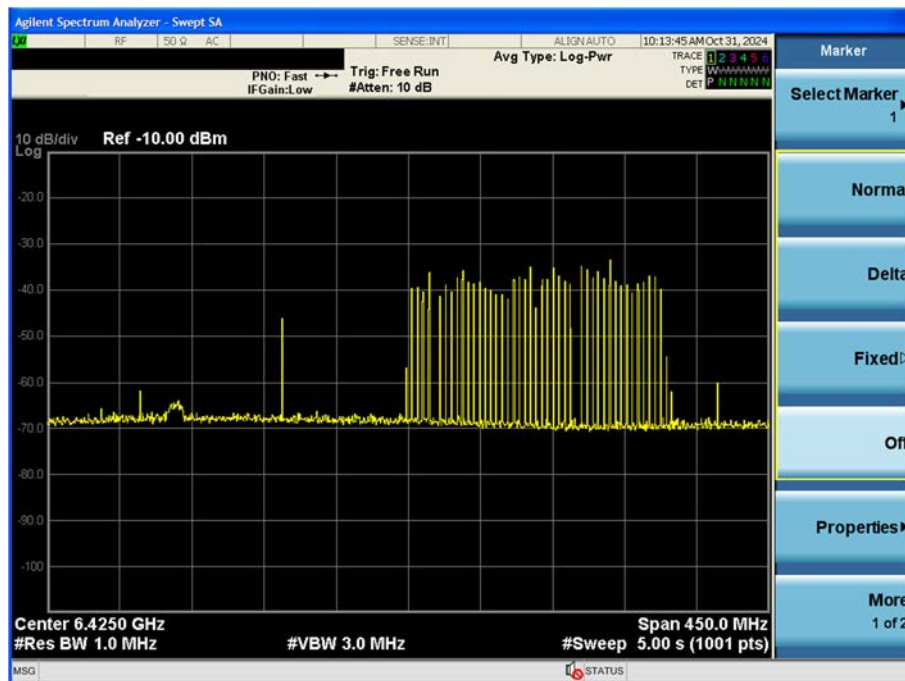
Bandwidth reduction plot (AWGN injected at low end)

6425 MHz(Not injected)



: A 10 MHz AWGN signal (centered at 6270 MHz) is injected.

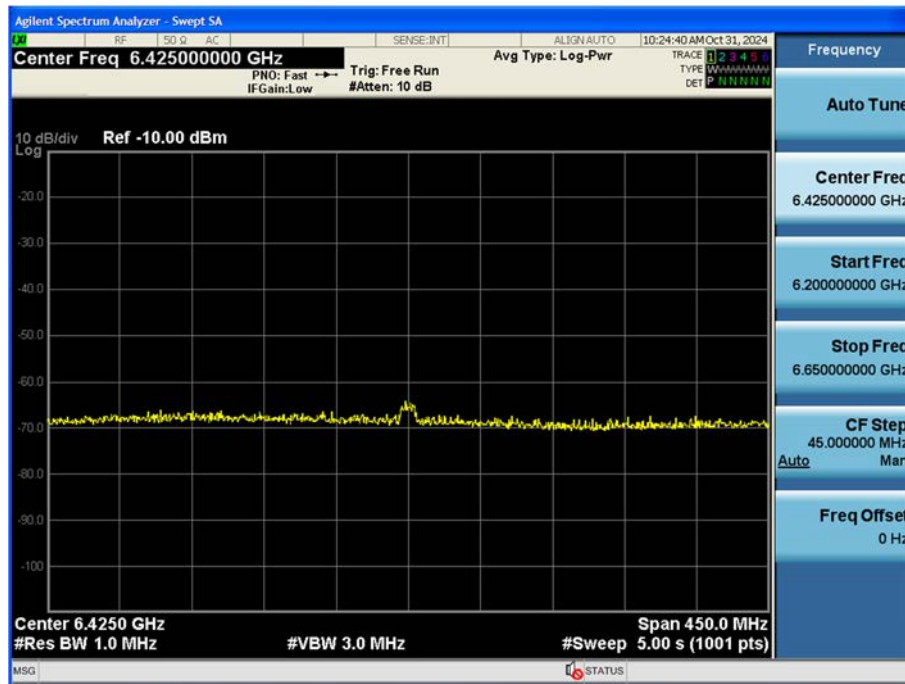
The channel reduces to an 160 MHz channel centered around 6545 MHz.



Bandwidth reduction plot (AWGN injected at center)

: A 10 MHz AWGN signal (centered at 6425 MHz) is injected.

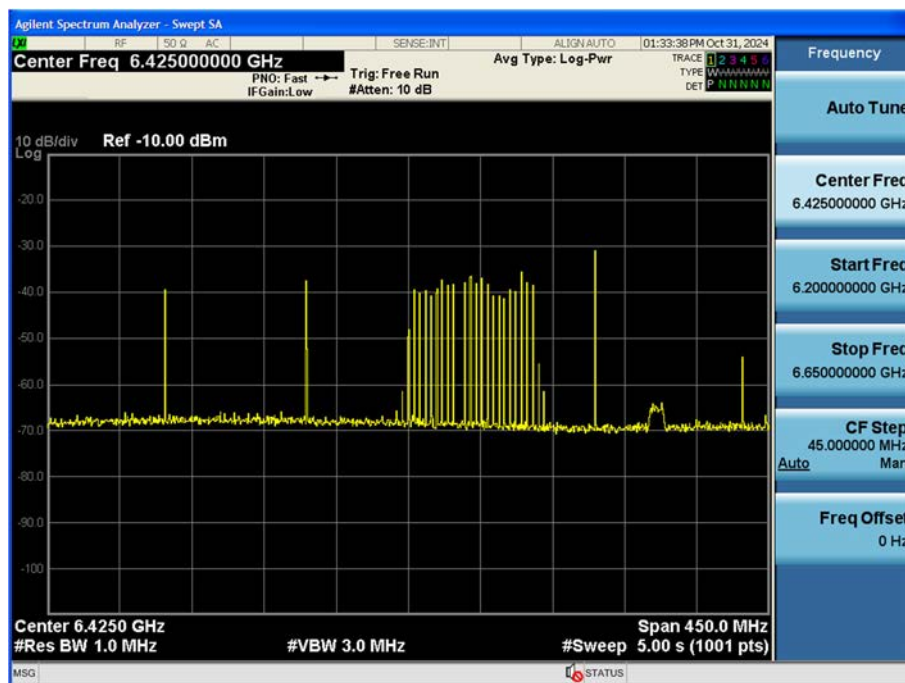
The channel completely ceases operation.



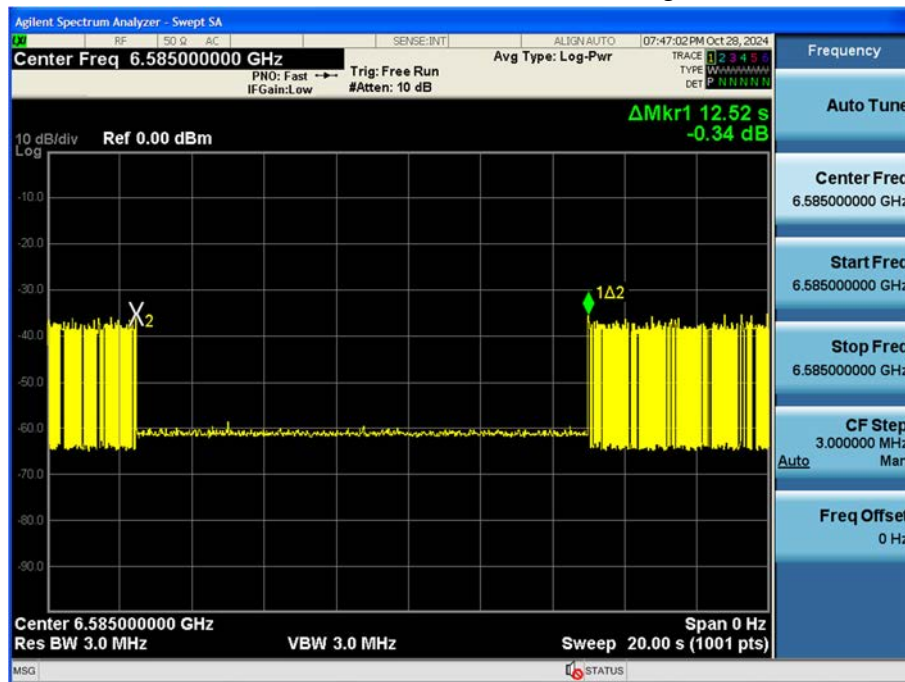
Bandwidth reduction plot (AWGN injected at high end)

: A 10 MHz AWGN signal (centered at 6580 MHz) is injected.

The channel reduces to a 80 MHz channel centered around 6465 MHz.



802.11be EHT320 Ch.127(6585 MHz) Incumbent signal (Ceased)



Note :

Marker 2 : AWGN Signal On

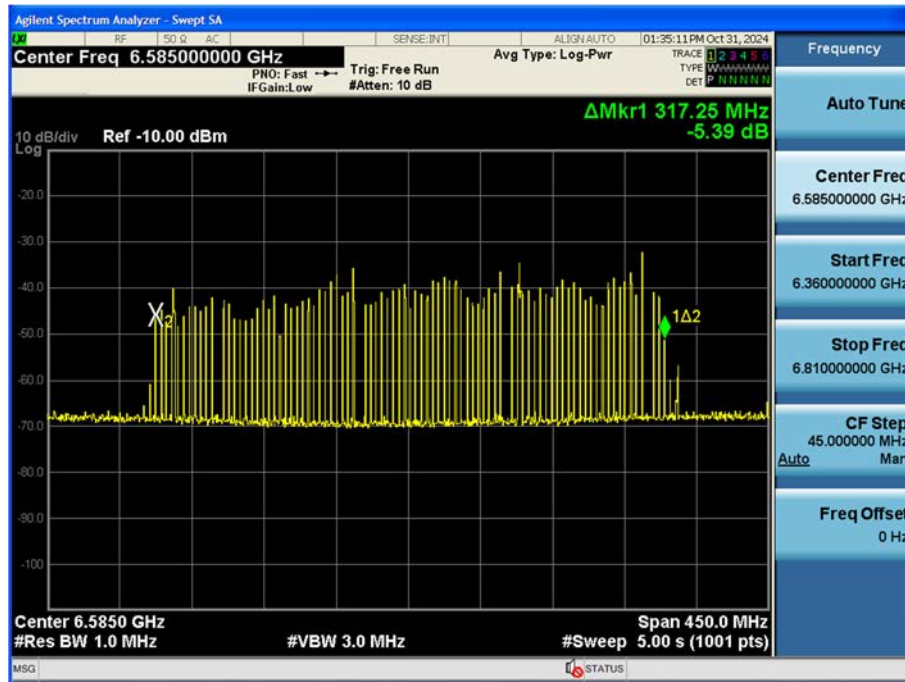
Marker 1Δ2 : AWGN signal Off (limit > 10s)

802.11be EHT320 Ch.127(6585 MHz) Detection Level



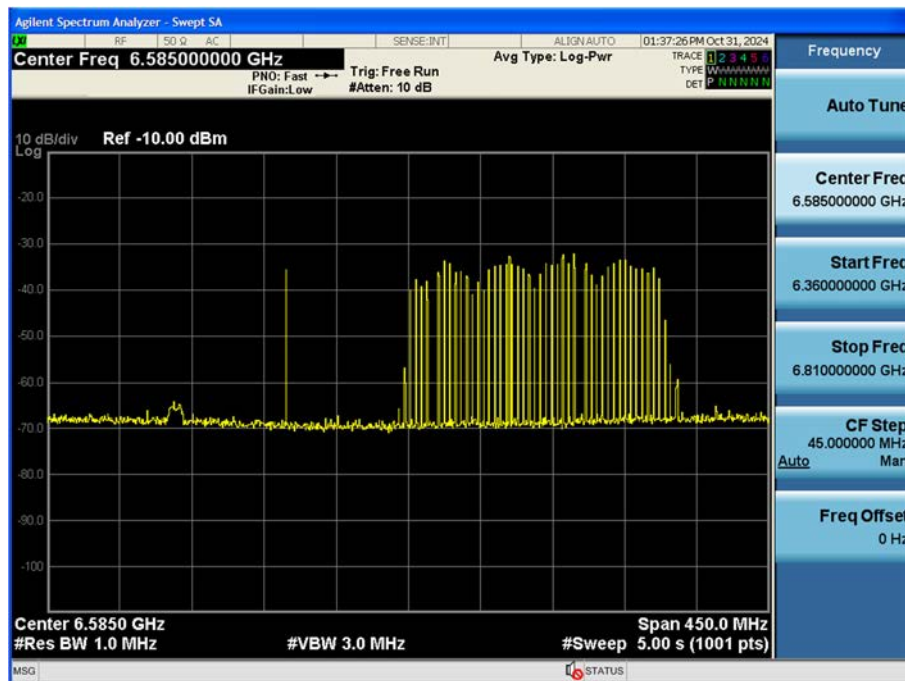
Bandwidth reduction plot (AWGN injected at low end)

6585 MHz(Not injected)



: A 10 MHz AWGN signal (centered at 6430 MHz) is injected.

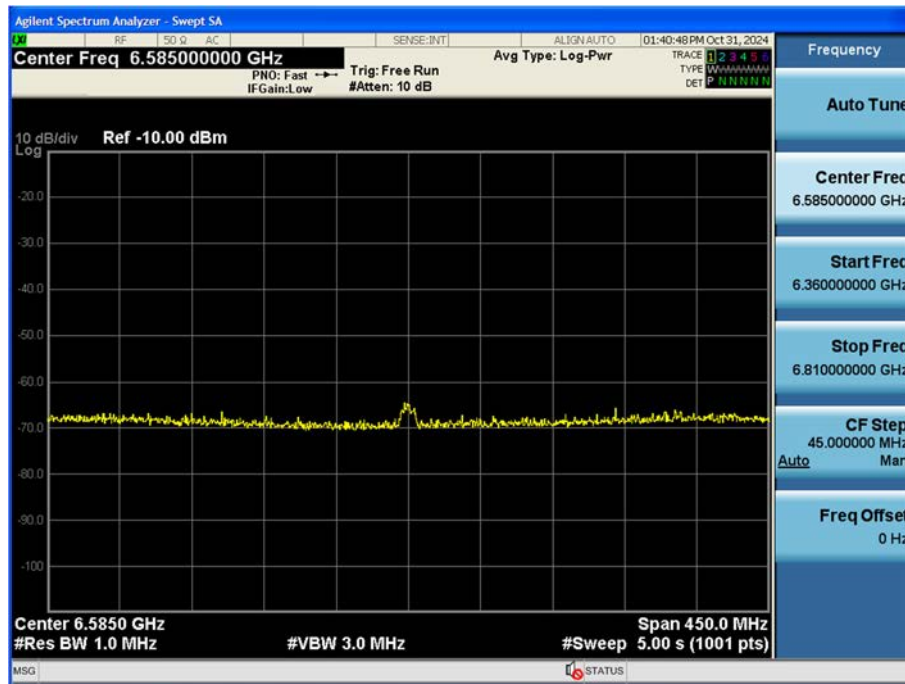
The channel reduces to an 160 MHz channel centered around 6705 MHz.



Bandwidth reduction plot (AWGN injected at center)

: A 10 MHz AWGN signal (centered at 6585 MHz) is injected.

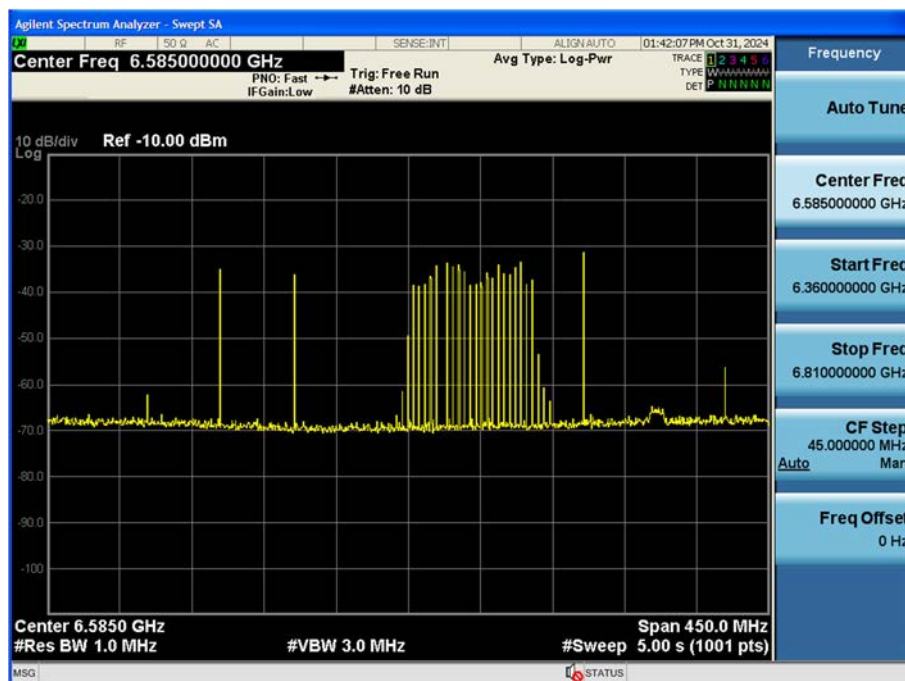
The channel completely ceases operation.



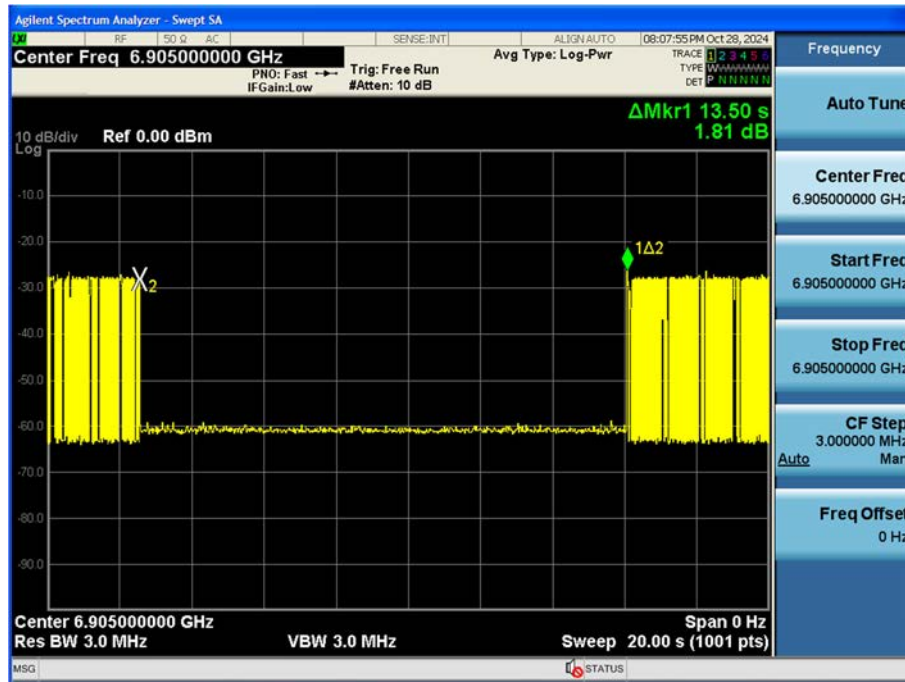
Bandwidth reduction plot (AWGN injected at high end)

: A 10 MHz AWGN signal (centered at 6740 MHz) is injected.

The channel reduces to a 80 MHz channel centered around 6625 MHz.



802.11be EHT320 Ch.191(6905 MHz) Incumbent signal (Ceased)



Note :

Marker 2 : AWGN Signal On

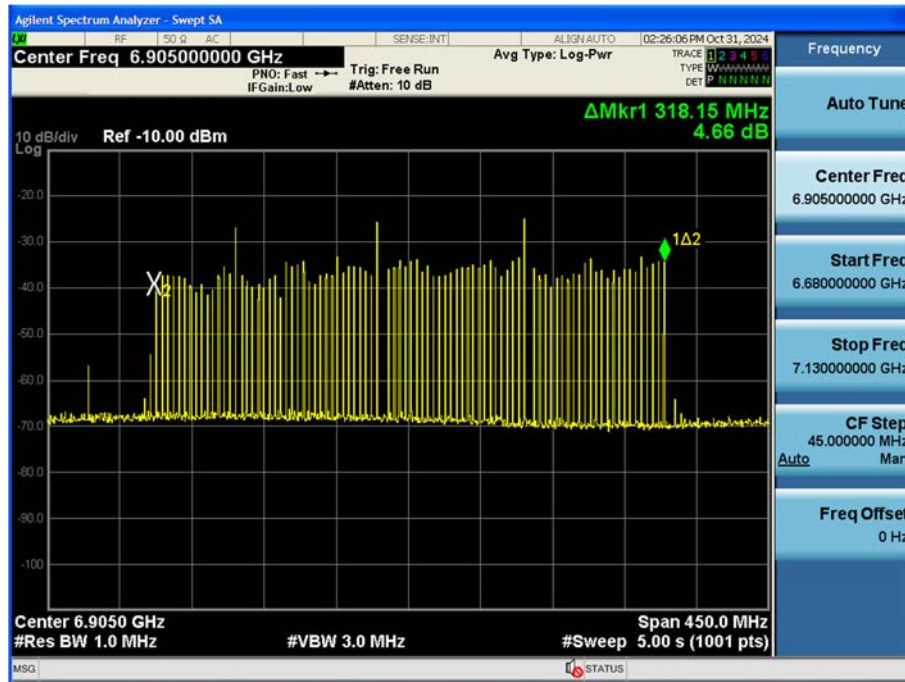
Marker 1Δ2 : AWGN signal Off (limit > 10s)

802.11be EHT320 Ch.191(6905 MHz) Detection Level



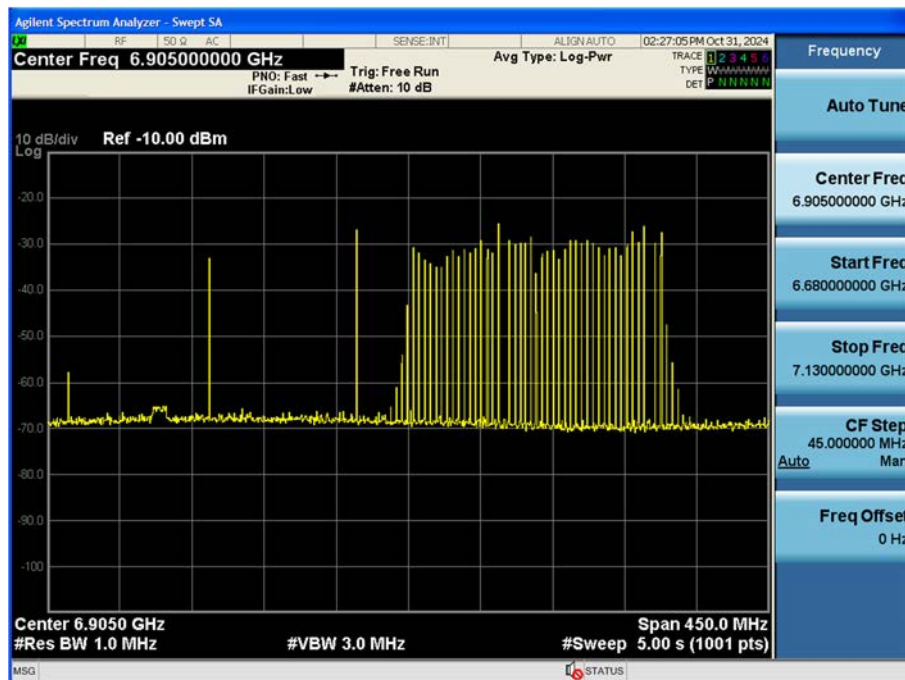
Bandwidth reduction plot (AWGN injected at low end)

6905 MHz(Not injected)



: A 10 MHz AWGN signal (centered at 6750 MHz) is injected.

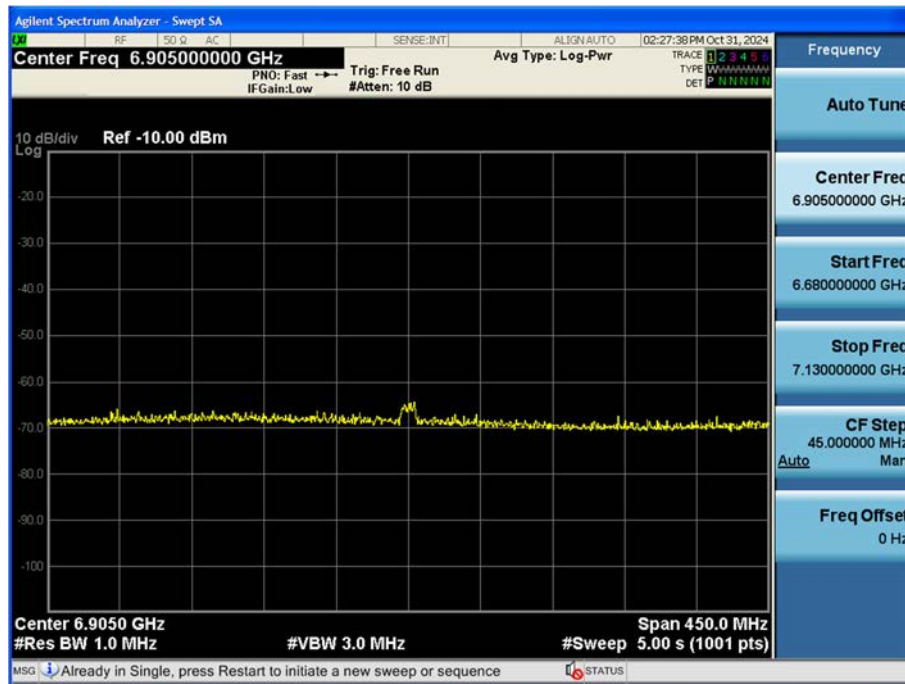
The channel reduces to an 160 MHz channel centered around 7025 MHz.



Bandwidth reduction plot (AWGN injected at center)

: A 10 MHz AWGN signal (centered at 6905 MHz) is injected.

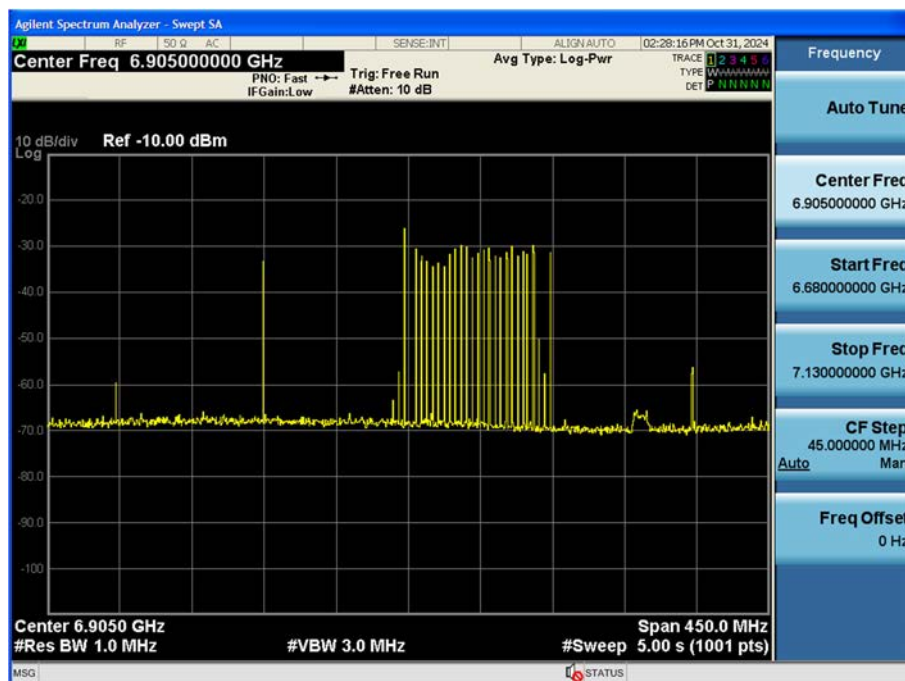
The channel completely ceases operation.



Bandwidth reduction plot (AWGN injected at high end)

: A 10 MHz AWGN signal (centered at 7060 MHz) is injected.

The channel reduces to a 80 MHz channel centered around 6945 MHz.



10.7 Dual Client Test, Demonstration of Proper Power Adjustment based on Associated AP

Note:

1. The EUT is a Dual Client Device
2. The test was executed with the SP AP and LPI AP (CMX500) authorized to transmit up to 30dBm (SP AP) and 24dBm(LPI AP).
3. The EUT was connected via a conducted connection to the spectrum analyzer. Simultaneously, the EUT was able to see and establish a conducted connection with the standard power access point and Low Power Indoor access point. (CMX500)

Ch.5 5975 MHz

Authorized EIRP for AP [dBm]	Dual Client ANT1 [dBm]	Dual Client ANT2 [dBm]	ANT1 gain [dBi]	ANT2 gain [dBi]	Dual Client MIMO Summed Conducted Power [dBm]	Directional Antenna Gain [dBi]	Dual Client MIMO EIRP [dBm]	Limit [dBm]	Margin [dB]
30(SP)	10.84	12.15	-2.45	-6.49	14.55	-1.23	13.33	30	16.67
24(LPI)	5.78	7.20	-2.45	-6.49	9.56	-1.23	8.33	24	15.67

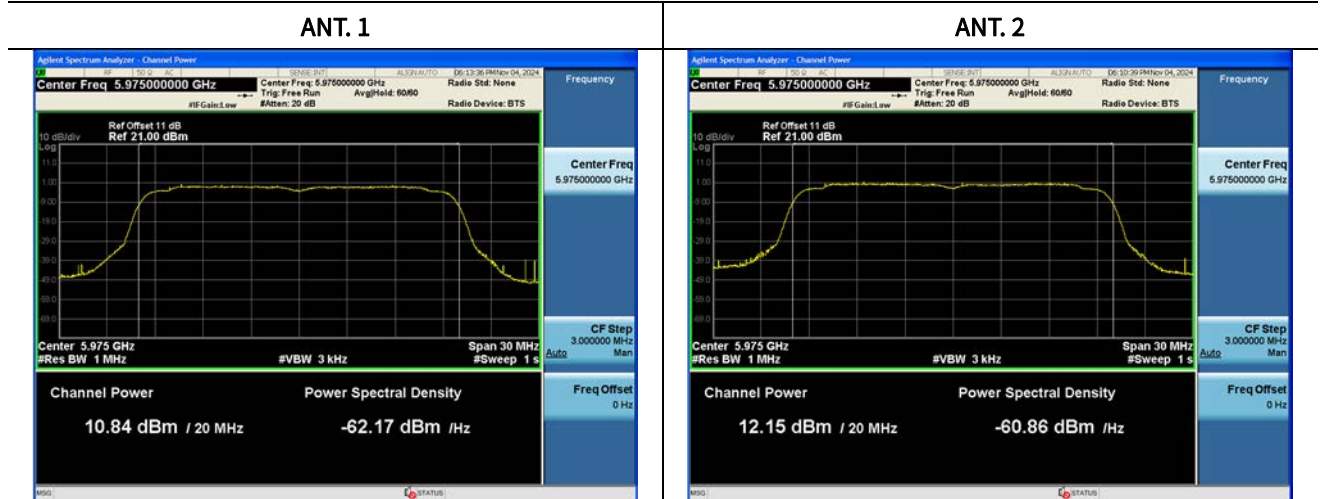
Ch.133 6615 MHz

Authorized EIRP for AP [dBm]	Dual Client ANT1 [dBm]	Dual Client ANT2 [dBm]	ANT1 gain [dBi]	ANT2 gain [dBi]	Dual Client MIMO Summed Conducted Power [dBm]	Directional Antenna Gain [dBi]	Dual Client MIMO EIRP [dBm]	Limit [dBm]	Margin [dB]
30(SP)	11.99	12.98	-5.5	-5.87	15.52	-2.67	12.85	30	17.15
24(LPI)	9.19	9.81	-5.5	-5.87	12.52	-2.67	9.85	24	14.15

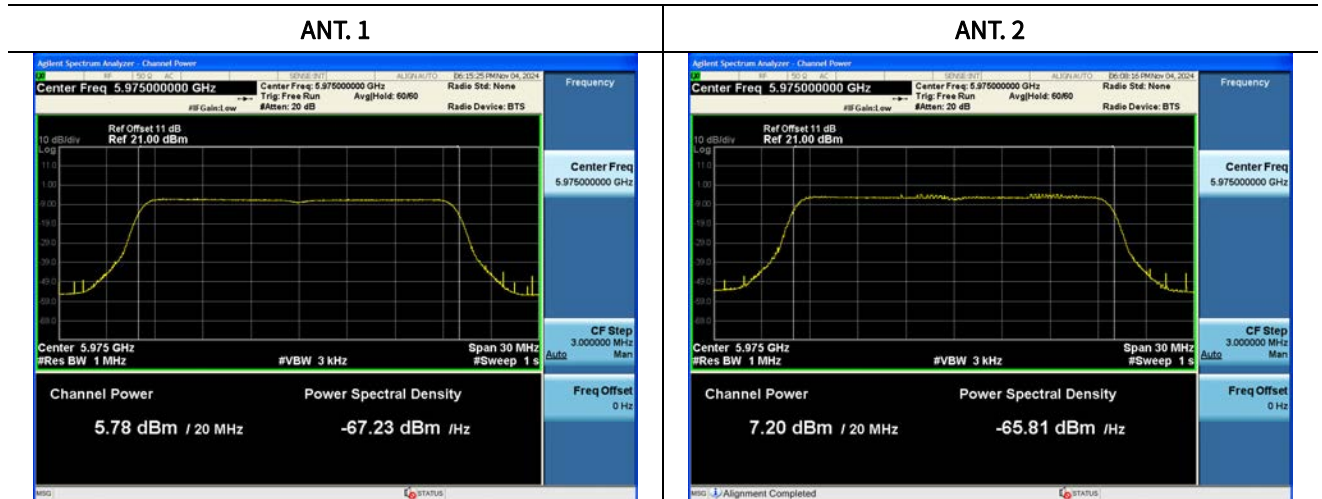
Test Plots

CH.5 5975 MHz

SP AP Client Conducted Power (EIRP Authorization Power = 30 dBm)



LPI AP Client Conducted Power (EIRP Authorization Power = 24 dBm)



CH.133 6615 MHz

SP AP Client Conducted Power (EIRP Authorization Power = 30 dBm)

ANT. 1



ANT. 2

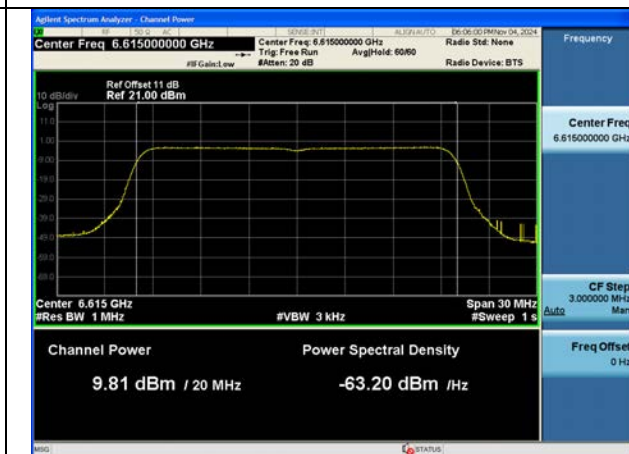


LPI AP Client Conducted Power (EIRP Authorization Power = 24 dBm)

ANT. 1



ANT. 2



CMX500 Status

Note: In the beacon signal, the Max Tx Power is represented as double the actual applied power

CMX500 - EIRP Authorization Power_30 dBm (SP AP)

Dir.	Id	Time Stamp	Time Span	Protocol	Layer	SAP	Service	Primitive	PDU
412	07:56:25.684	06:55:41.966.743	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	
413	07:56:25.705	06:55:41.987.238	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	
414	07:56:25.725	06:55:42.007.715	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	
415	07:56:25.745	06:55:42.027.770	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon	
416	07:56:25.766	06:55:42.048.657	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	
417	07:56:25.787	06:55:42.069.144	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	
418	07:56:25.807	06:55:42.089.629	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	
419	07:56:25.796	06:55:42.078.758	UPLANE	UPC	Measurement	Req Ind			
420	07:56:25.828	06:55:42.110.116	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	
421	07:56:25.848	06:55:42.130.170	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon	
422	07:56:25.869	06:55:42.151.058	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	
423	07:56:25.889	06:55:42.171.543	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	
424	07:56:25.909	06:55:42.192.035	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	

Message Tree X
ID#415 TS=2024-11-04 07:56:25.745 RFN#0 MDOB#nlan_ull.8.2
Use RegEx regu 3/3

- Omitted
- OptimizedGhzOperationInfo = HefGhzOperationInfo (1)
 - HE 6 GHz Operation Info
 - Primary Channel Index = (5)
 - Control
 - ChannelWidth = 20 Mhz (0)
 - Duplicate Beacon = (1)
 - RegulatoryInfo = Standard power AP (1)
 - Reserved = (0)
 - Channel Center Freq Segment 0 = (5)
 - Channel Center Freq Segment 1 = (0)
 - Minimum Rate (Mb/s) = (0)

Dir.	Id	Time Stamp	Time Span	Protocol	Layer	SAP	Service	Primitive	PDU
412	07:56:25.684	06:55:41.966.743	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	
413	07:56:25.705	06:55:41.987.238	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	
414	07:56:25.725	06:55:42.007.715	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	
415	07:56:25.745	06:55:42.027.770	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon	
416	07:56:25.766	06:55:42.048.657	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	
417	07:56:25.787	06:55:42.069.144	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	
418	07:56:25.807	06:55:42.089.629	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	
419	07:56:25.796	06:55:42.078.758	UPLANE	UPC	Measurement	Req Ind			
420	07:56:25.828	06:55:42.110.116	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	
421	07:56:25.848	06:55:42.130.170	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon	
422	07:56:25.869	06:55:42.151.058	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	
423	07:56:25.889	06:55:42.171.543	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	
424	07:56:25.909	06:55:42.192.035	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	

Message Tree X
ID#415 TS=2024-11-04 07:56:25.745 RFN#0 MDOB#nlan_ull.8.2
Use RegEx regu -/3

- Max Tx Power Count = (0)
- Interpretation = Regulatory Client EIRP (2)
- Category = Default (0)
- MTP = TPE_EIRP (0)
 - EIRP Max Tx Power List
 - Max Tx Power For 20 Mhz
 - Is Enabled (1)
 - Max Tx Power = (60)
- Element
 - Check (1)
 - Element ID = Transmit Power Envelope (195)
 - IE = TransmitPowerEnv_LV (195)

CMX500- EIRP Authorization Power 24 dBm (LPI AP)

Dir...	Id	Time Stamp	Time Span	Protocol	Layer	SAP	Service	Primitive	PDU
▶	247	07:58:26.168	06:57:42.450.170	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon
▶	248	07:58:26.189	06:57:42.471.057	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
▶	249	07:58:26.209	06:57:42.491.543	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
▶	250	07:58:26.229	06:57:42.513.030	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
▶	251	07:58:26.250	06:57:42.532.514	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
▶	252	07:58:26.270	06:57:42.552.570	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon
▶	253	07:58:26.291	06:57:42.573.460	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
▶	254	07:58:26.311	06:57:42.593.944	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
▶	255	07:58:26.332	06:57:42.614.429	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
▶	256	07:58:26.352	06:57:42.634.915	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
▶	257	07:58:26.372	06:57:42.654.970	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon
▶	258	07:58:26.393	06:57:42.675.857	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
▶	259	07:58:26.414	06:57:42.696.343	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req

Dir...	Id	Time Stamp	Time Span	Protocol	Layer	SAP	Service	Primitive	PDU
▶	247	07:58:26.168	06:57:42.450.170	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon
▶	248	07:58:26.189	06:57:42.471.057	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
▶	249	07:58:26.209	06:57:42.491.543	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
▶	250	07:58:26.229	06:57:42.513.030	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
▶	251	07:58:26.250	06:57:42.532.514	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
▶	252	07:58:26.270	06:57:42.552.570	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon
▶	253	07:58:26.291	06:57:42.573.460	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
▶	254	07:58:26.311	06:57:42.593.944	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
▶	255	07:58:26.332	06:57:42.614.429	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
▶	256	07:58:26.352	06:57:42.634.915	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
▶	257	07:58:26.372	06:57:42.654.970	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon
▶	258	07:58:26.393	06:57:42.675.857	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
▶	259	07:58:26.414	06:57:42.696.343	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req

10.8 Proper Power Adjustment, Client Devices Connected to a Standard Power Access Point

Note:

1. The EUT is a Dual Client Device
2. The test was executed with the SP AP(CMX500) authorized to transmit up to 13 dBm, 24 dBm, and 36 dBm on Ch. 5 (5975 MHz) and Ch. 133 (6615 MHz).
3. The lowest 19 dBm power level is based on the EIRP resulting from the conducted power targets specified in the manufacturer's 'WLAN Tune up Procedure Document'.
4. The EUT was connected via a conducted connection to the spectrum analyzer. Simultaneously, the EUT was able to see and establish a conducted connection with the standard power access point. (CMX500)

Ch.5 5975 MHz

Authorized EIRP for AP [dBm]	Client ANT1 [dBm]	Client ANT2 [dBm]	ANT1 gain [dBi]	ANT2 gain [dBi]	Client MIMO Summed Conducted Power [dBm]	Directional Antenna Gain [dBi]	Client MIMO EIRP [dBm]	Limit [dBm]	Margin [dB]
36	12.73	13.17	-2.45	-6.49	15.97	-1.23	14.74	30	15.26
24	12.71	13.09	-2.45	-6.49	15.91	-1.23	14.69	18	3.31
13	3.73	3.12	-2.45	-6.49	6.45	-1.23	5.22	7	1.78

Ch.133 6615 MHz

Authorized EIRP for AP [dBm]	Client ANT1 [dBm]	Client ANT2 [dBm]	ANT1 gain [dBi]	ANT2 gain [dBi]	Client MIMO Summed Conducted Power [dBm]	Directional Antenna Gain [dBi]	Client MIMO EIRP [dBm]	Limit [dBm]	Margin [dB]
36	12.99	12.93	-5.5	-5.87	15.97	-2.67	13.30	30	16.70
24	12.96	12.89	-5.5	-5.87	15.94	-2.67	13.26	18	4.74
13	3.17	3.40	-5.5	-5.87	6.30	-2.67	3.62	7	3.38