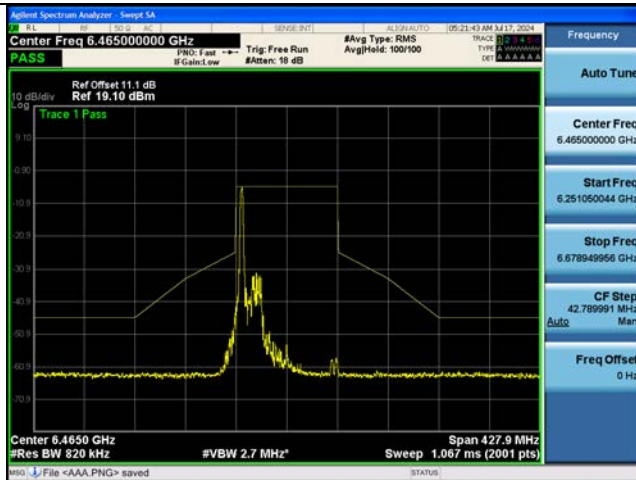
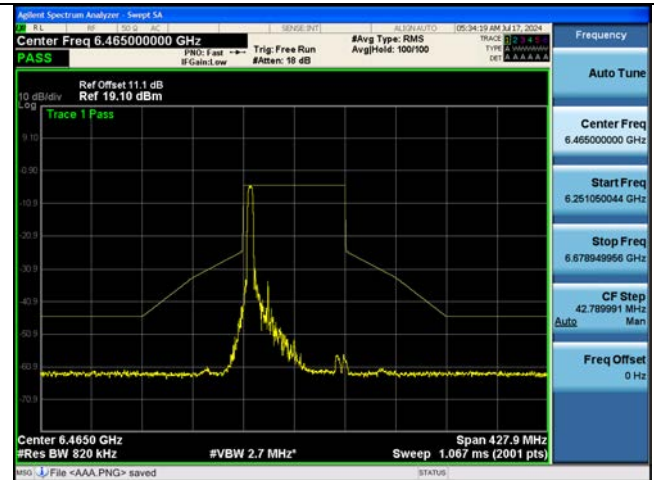


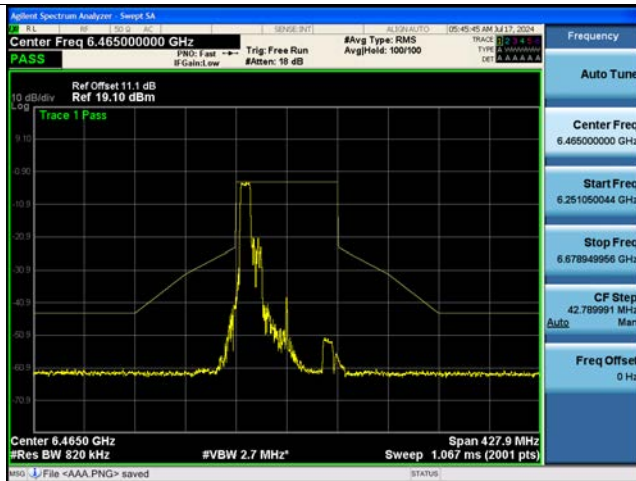
802.11ax HE80 Ch.103(6465 MHz) 26 Tones 0 RU



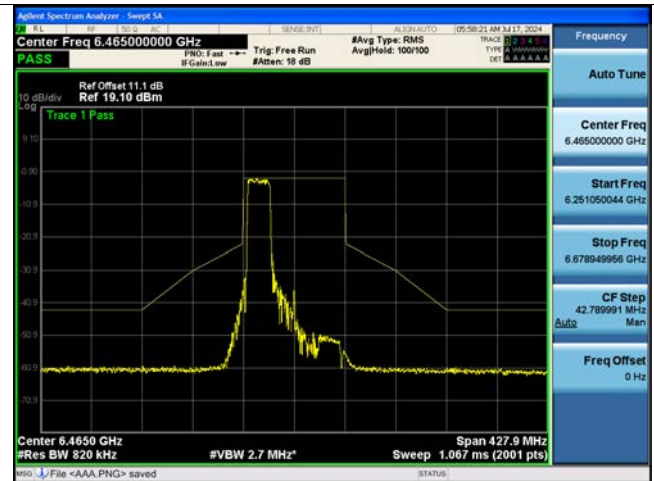
802.11ax HE80 Ch.103(6465 MHz) 52 Tones 37 RU



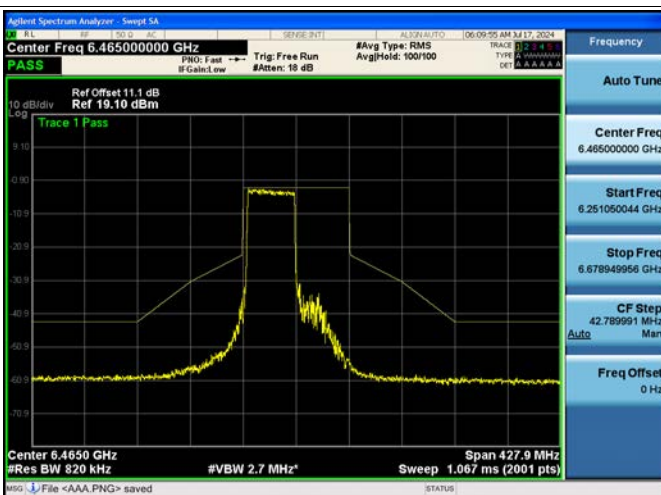
802.11ax HE80 Ch.103(6465 MHz) 106 Tones 53 RU



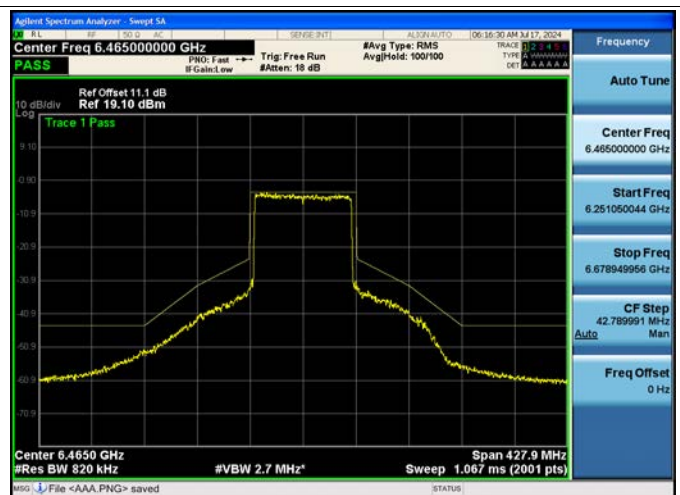
802.11ax HE80 Ch.103(6465 MHz) 242 Tones 61 RU



802.11ax HE80 Ch.103(6465 MHz) 484 Tones 65 RU



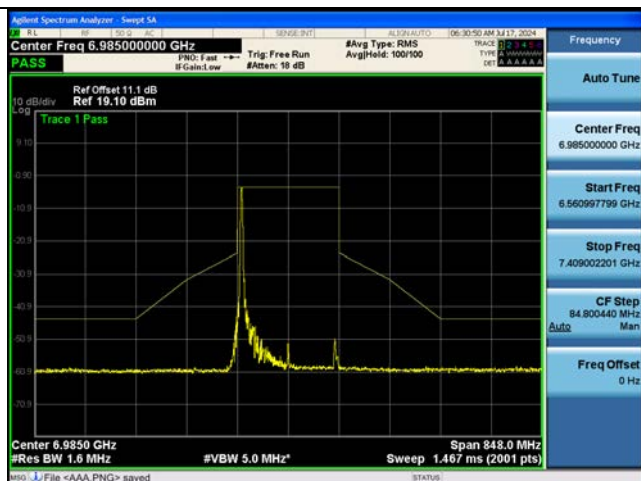
802.11ax HE80 Ch.103(6465 MHz) 996 Tones 67 RU



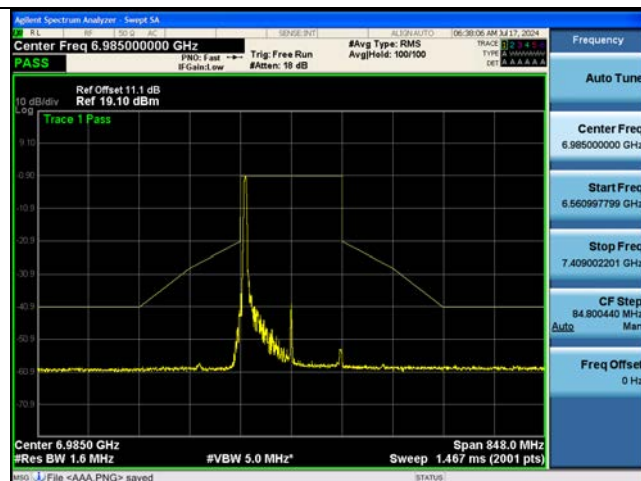
802.11ax HE80 Ch.103(6465 MHz) SU



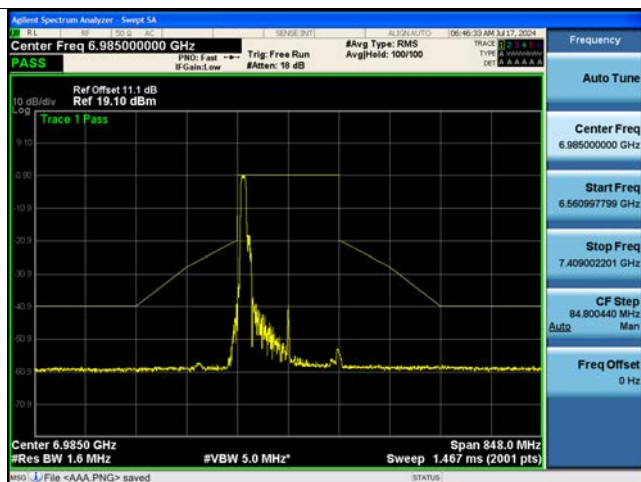
802.11ax HE160, 80_L Ch.207(6985 MHz) 26 Tones 0 RU



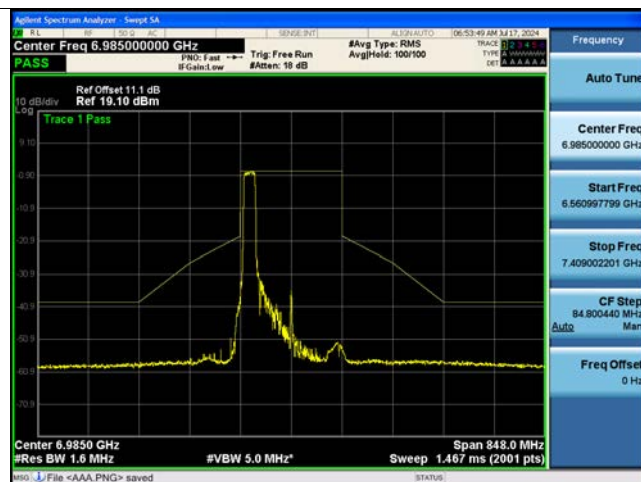
802.11ax HE160, 80_L Ch.207(6985 MHz) 52 Tones 37 RU



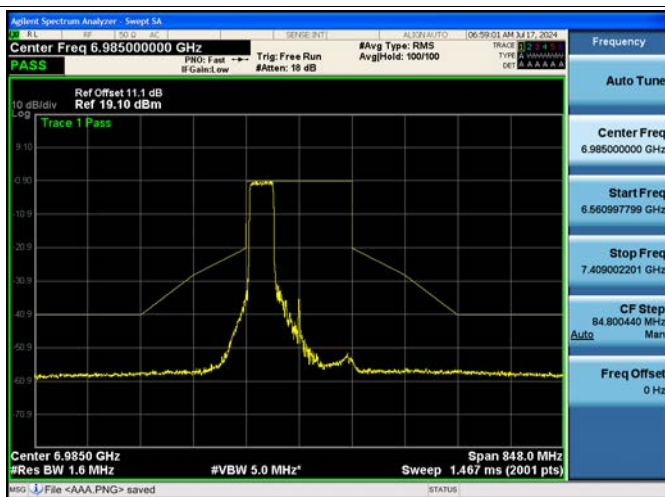
802.11ax HE160, 80_L Ch.207(6985 MHz) 106 Tones 53 RU



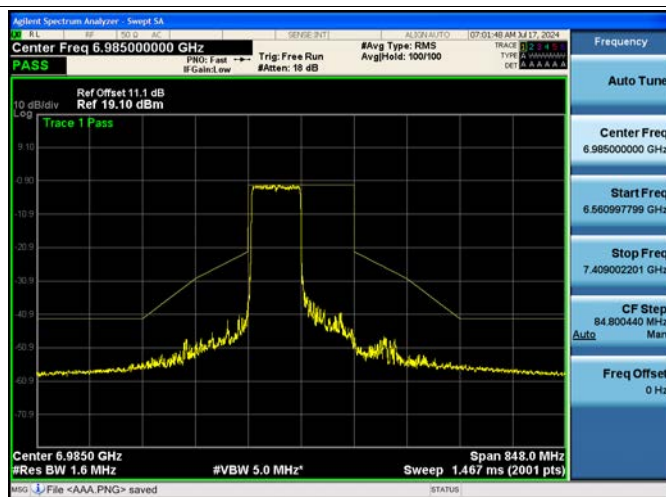
802.11ax HE160, 80_L Ch.207(6985 MHz) 242 Tones 61 RU



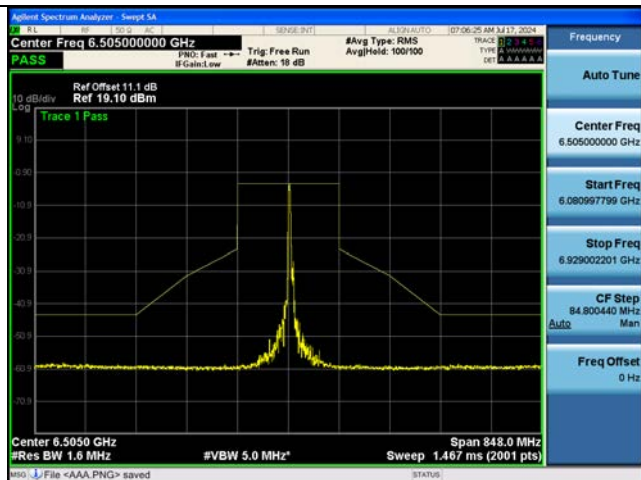
802.11ax HE160, 80_L Ch.207(6985 MHz) 484 Tones 65 RU



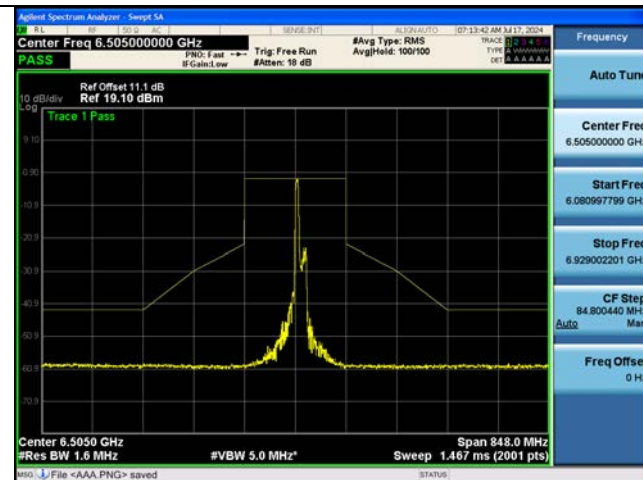
802.11ax HE160, 80_L Ch.207(6985 MHz) 996 Tones 67 RU



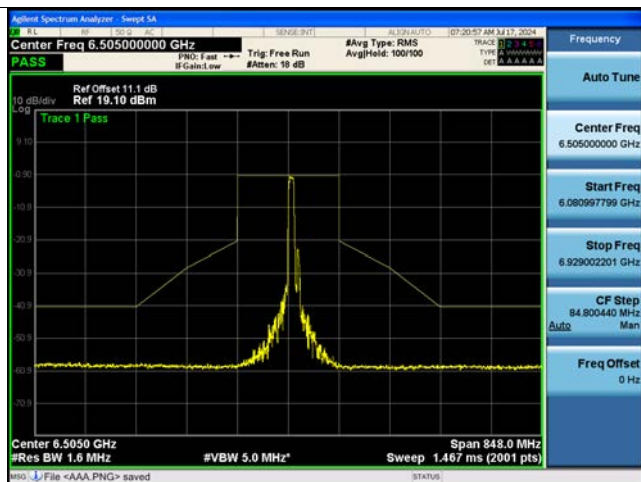
802.11ax HE160, 80_U Ch.111(6505 MHz) 26 Tones 0 RU



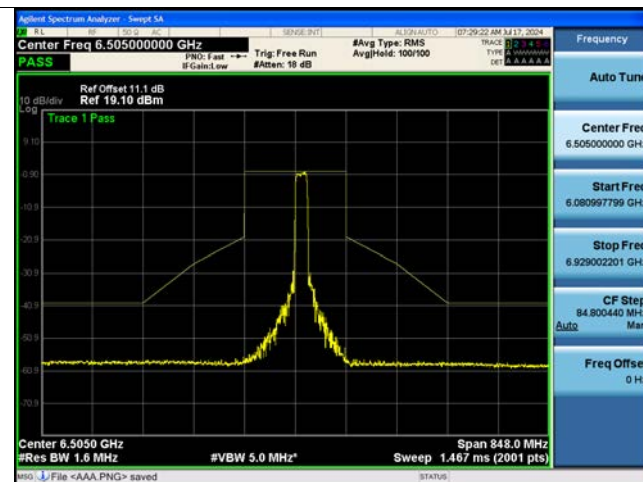
802.11ax HE160, 80_U Ch.111(6505 MHz) 52 Tones 37 RU



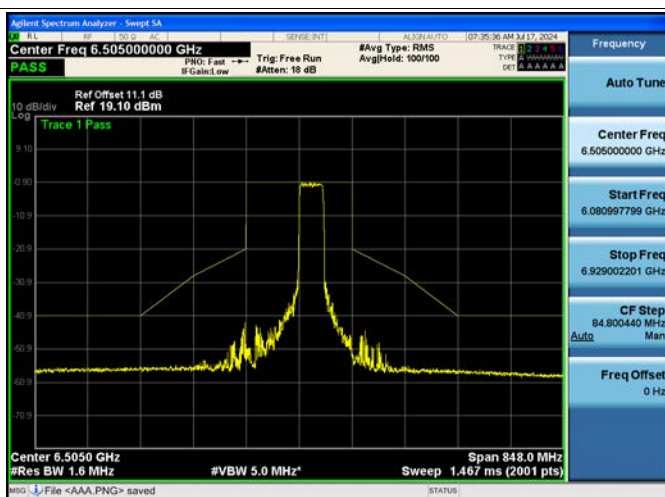
802.11ax HE160, 80_U Ch.111(6505 MHz) 106 Tones 53 RU



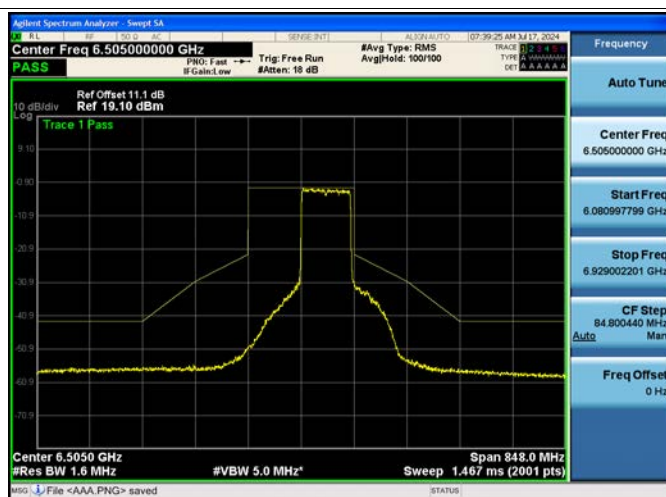
802.11ax HE160, 80_U Ch.111(6505 MHz) 242 Tones 61 RU



802.11ax HE160, 80_U Ch.111(6505 MHz) 484 Tones 65 RU



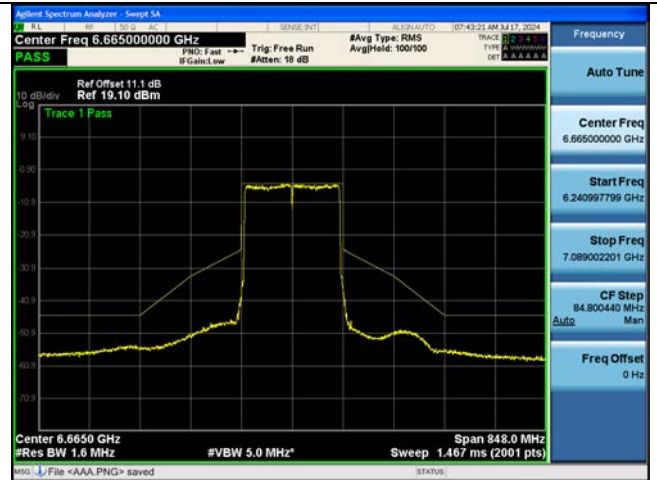
802.11ax HE160, 80_U Ch.111(6505 MHz) 996 Tones 67 RU



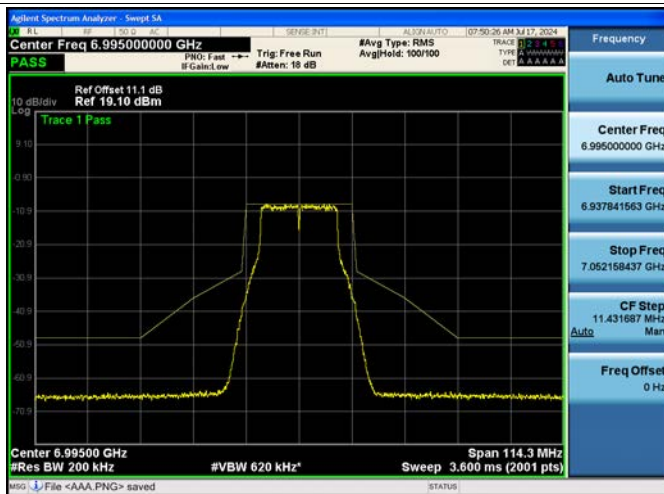
Bandwidth 160M, Ch. 111(6505 MHz) SU



Bandwidth 160M, Ch. 143(6665 MHz) 2x996 Tones 68 RU

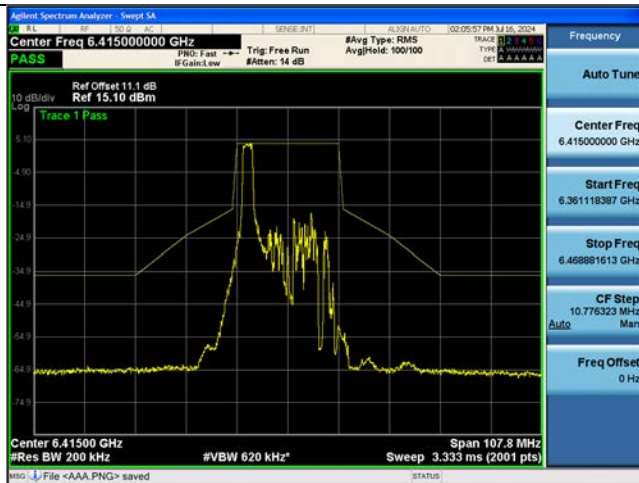


802.11a Ch. 209(6995 MHz)

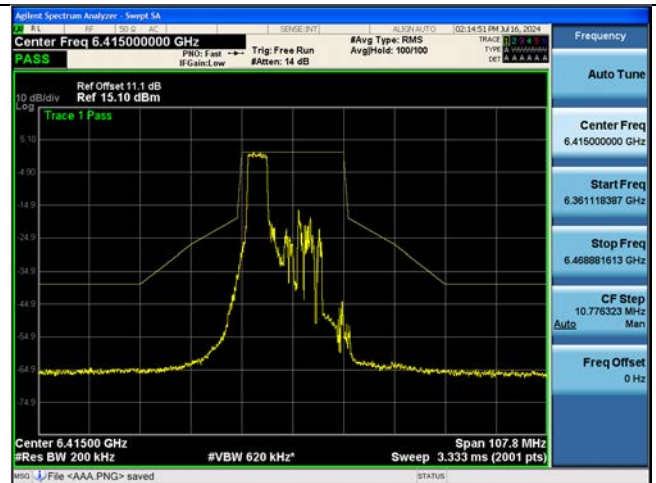


[Standard Client]
[Ant.1]

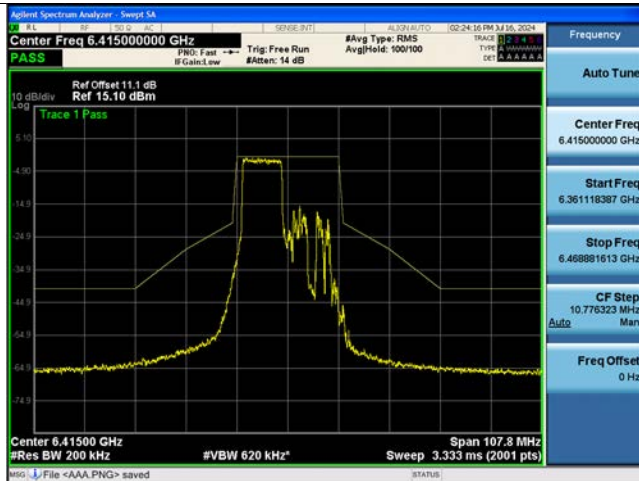
802.11ax HE20 Ch.93(6415 MHz) 26 Tones 0 RU



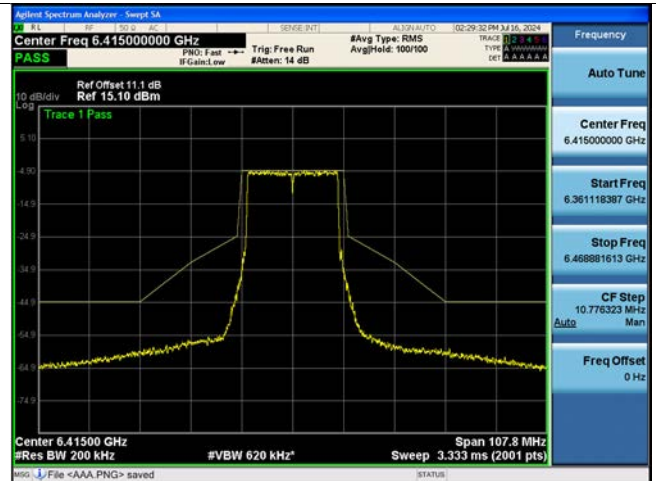
802.11ax HE20 Ch.93(6415 MHz) 52 Tones 37 RU



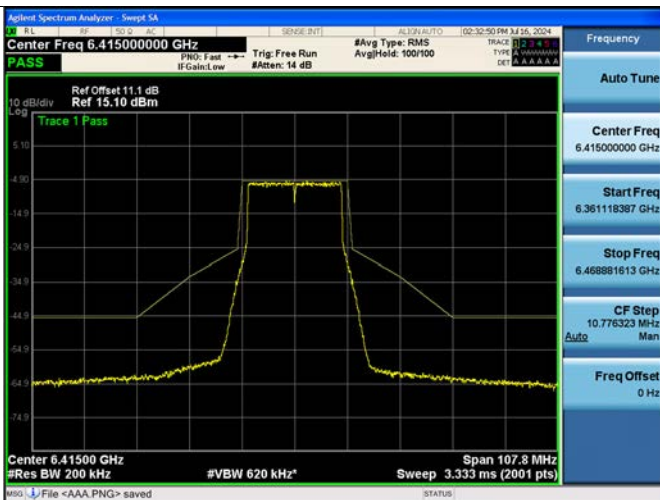
802.11ax HE20 Ch.93(6415 MHz) 106 Tones 53 RU



802.11ax HE20 Ch.93(6415 MHz) 242 Tones 61 RU



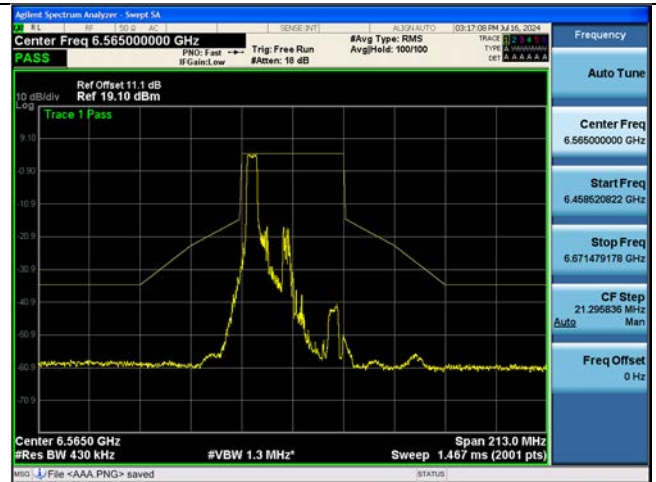
802.11ax HE20 Ch.93(6415 MHz) SU



802.11ax HE40 Ch.123(6565 MHz) 26 Tones 0 RU



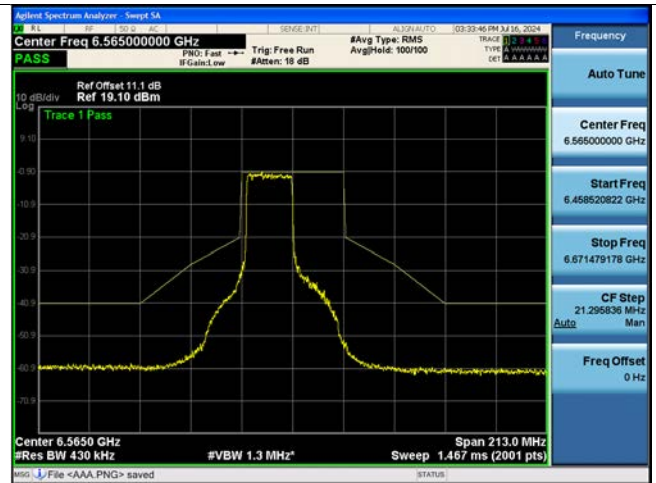
802.11ax HE40 Ch.123(6565 MHz) 52 Tones 37 RU



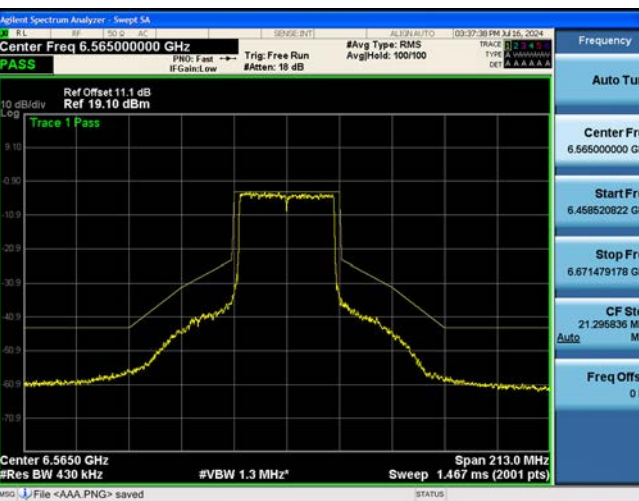
802.11ax HE40 Ch.123(6565 MHz) 106 Tones 53 RU



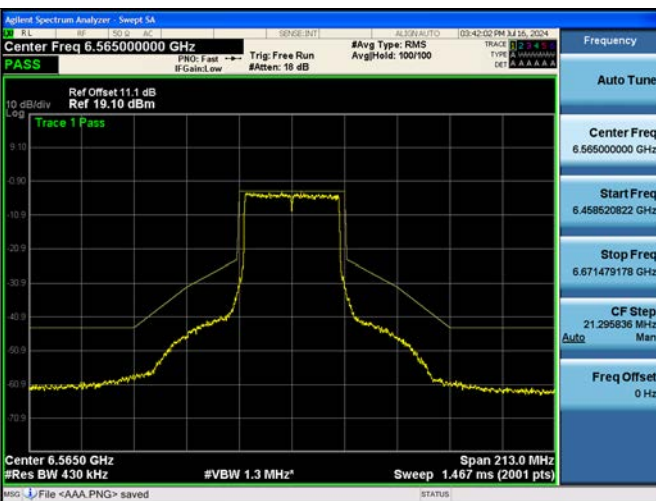
802.11ax HE40 Ch.123(6565 MHz) 242 Tones 61 RU



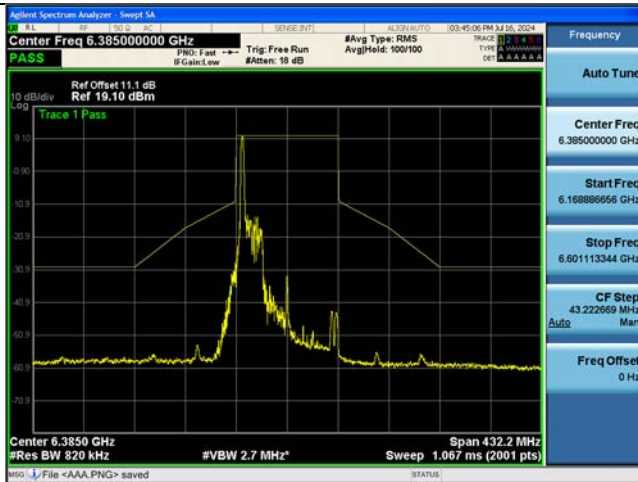
802.11ax HE40 Ch.123(6565 MHz) 484 Tones 65 RU



802.11ax HE40 Ch.123(6565 MHz) SU



802.11ax HE80 Ch.87(6385 MHz) 26 Tones 0 RU



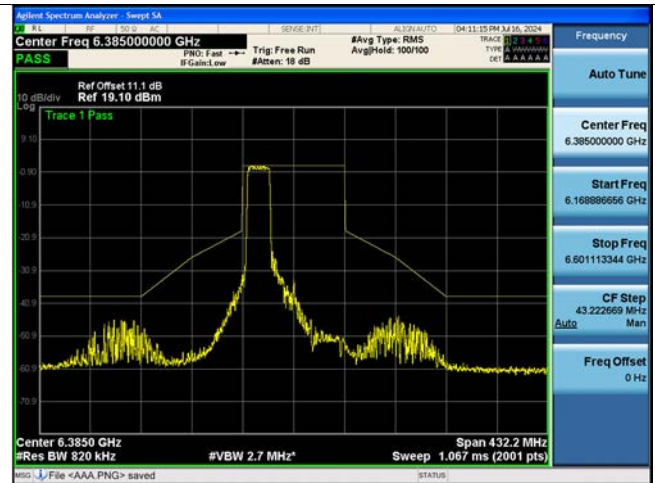
802.11ax HE80 Ch.87(6385 MHz) 52 Tones 37 RU



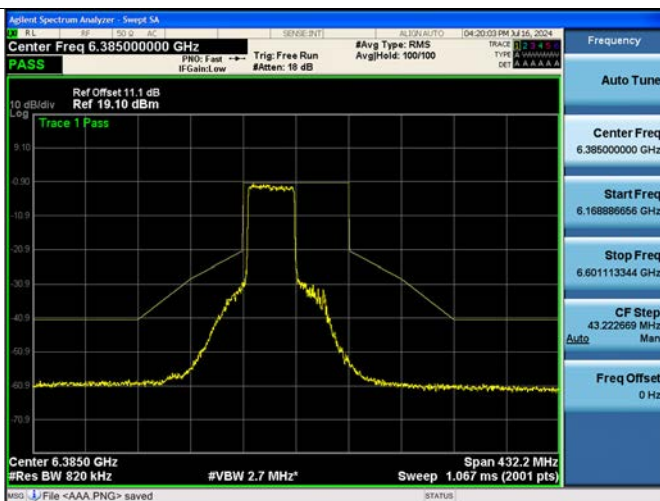
802.11ax HE80 Ch.87(6385 MHz) 106 Tones 53 RU



802.11ax HE80 Ch.87(6385 MHz) 242 Tones 61 RU



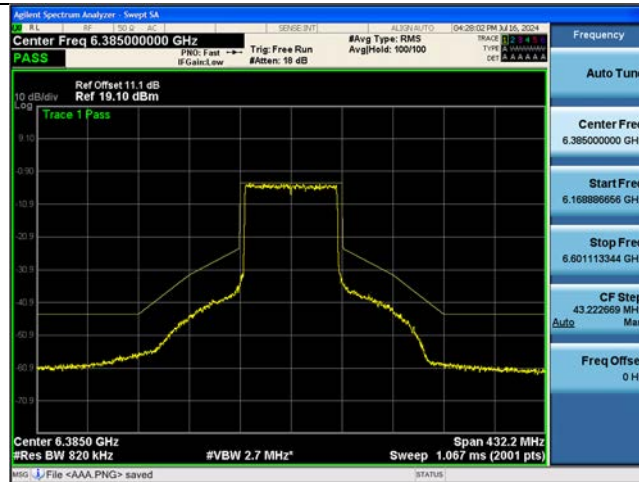
802.11ax HE80 Ch.87(6385 MHz) 484 Tones 65 RU



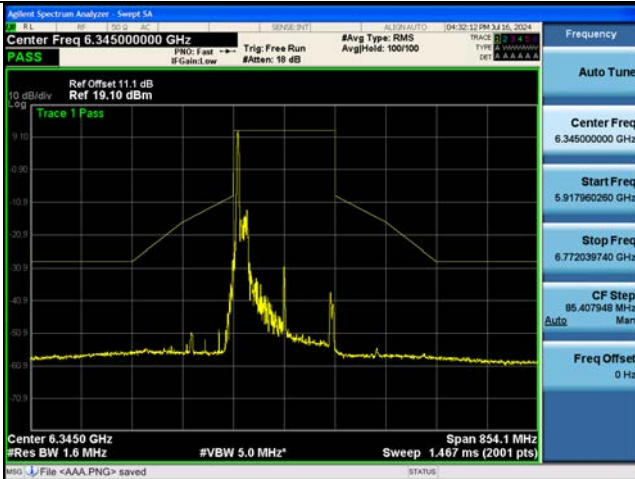
802.11ax HE80 Ch.87(6385 MHz) 996 Tones 67 RU



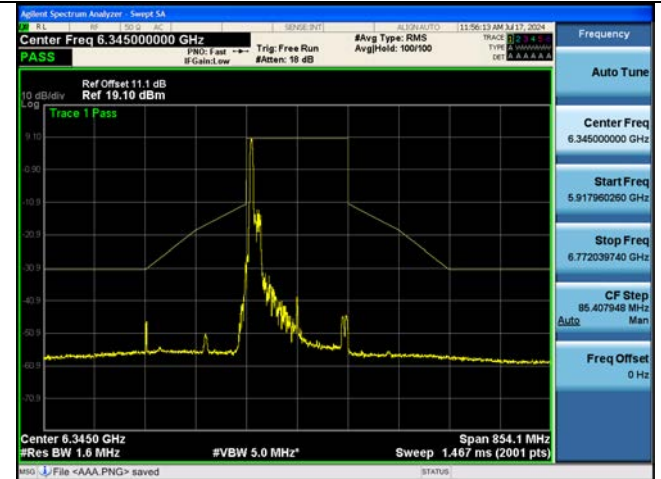
802.11ax HE80 Ch.87(6385 MHz) SU



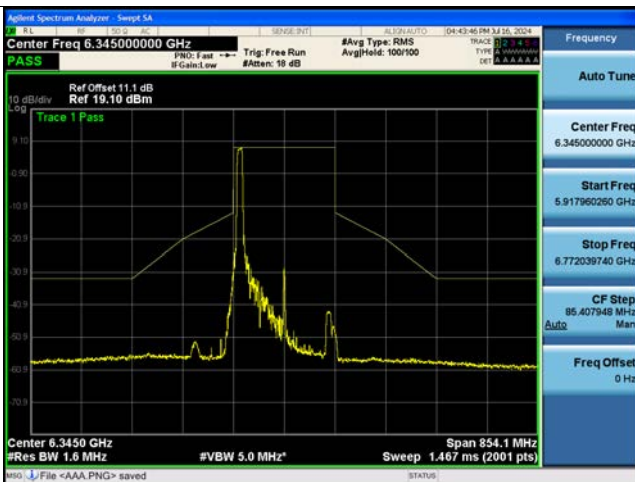
802.11ax HE160, 80_L Ch.79(6345 MHz) 26 Tones 0 RU



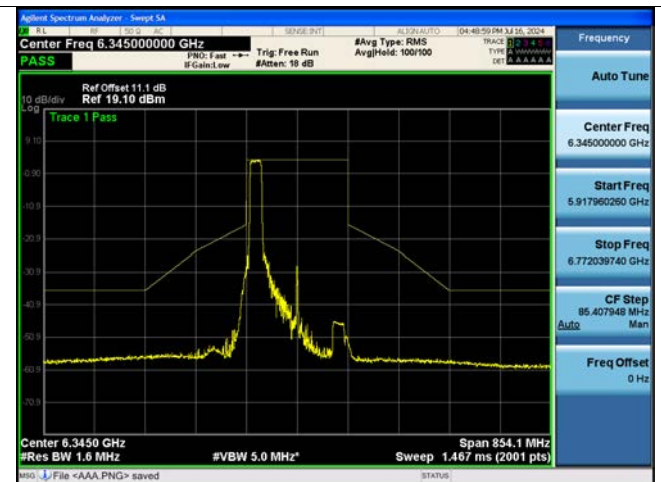
802.11ax HE160, 80_L Ch.79(6345 MHz) 52 Tones 37 RU



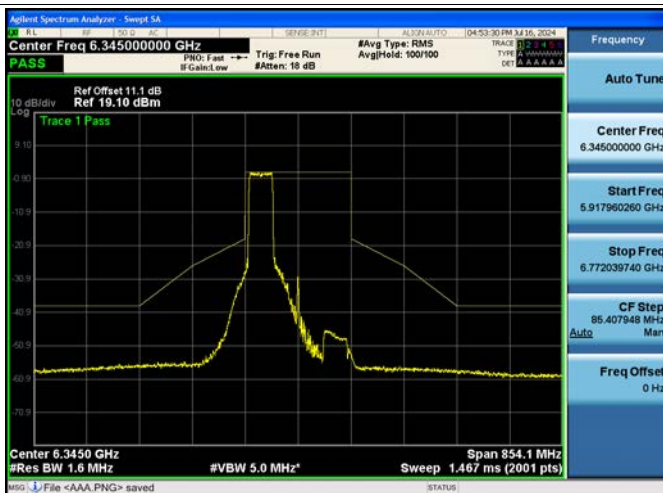
802.11ax HE160, 80_L Ch.79(6345 MHz) 106 Tones 53 RU



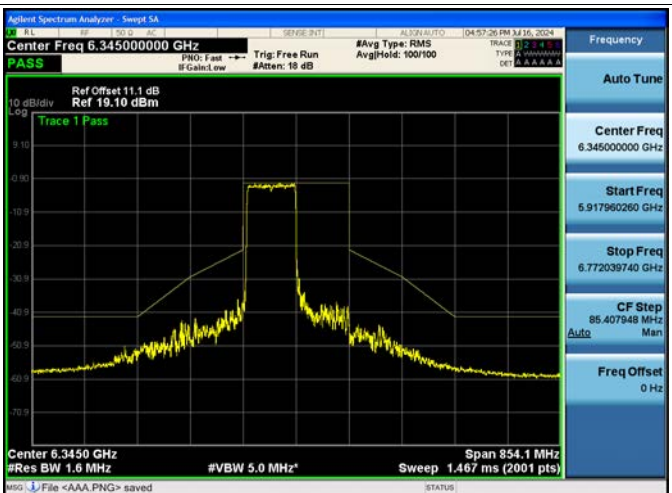
802.11ax HE160, 80_L Ch.79(6345 MHz) 242 Tones 61 RU



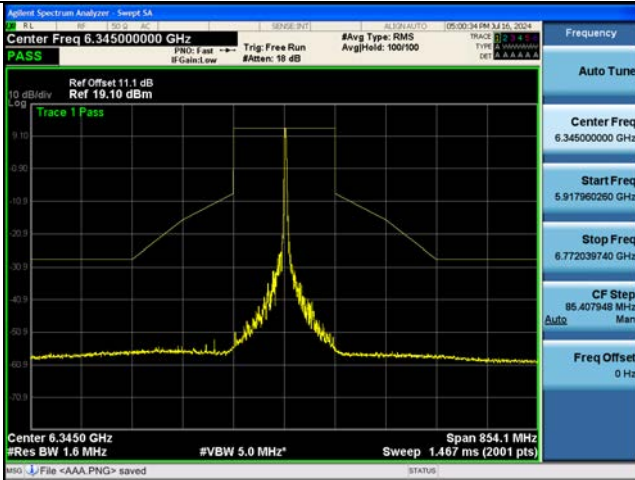
802.11ax HE160, 80_L Ch.79(6345 MHz) 484 Tones 65 RU



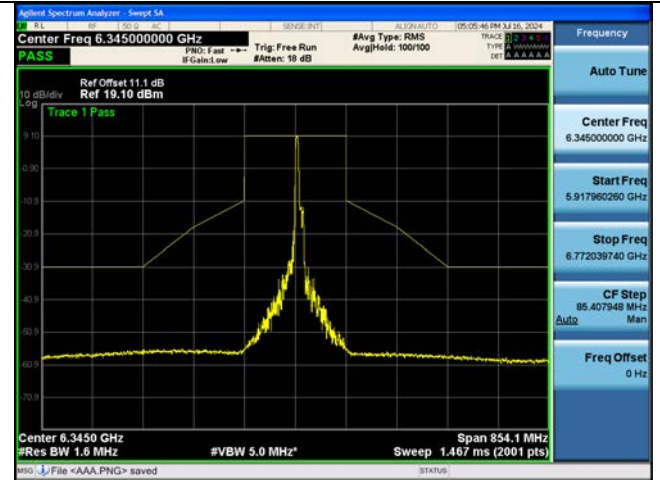
802.11ax HE160, 80_L Ch.79(6345 MHz) 996 Tones 67 RU



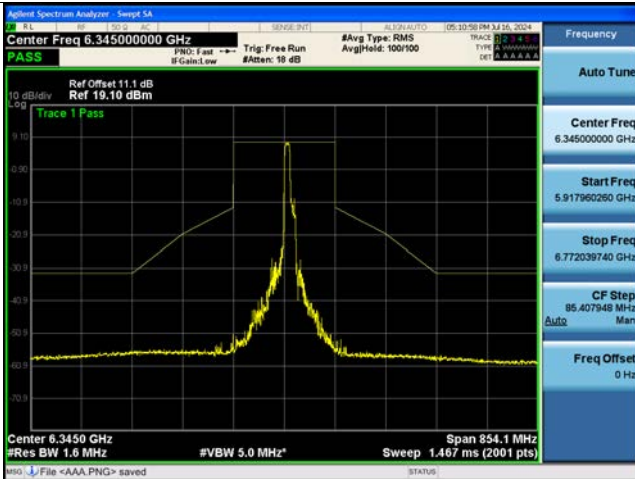
802.11ax HE160, 80_U Ch.79(6345 MHz) 26 Tones 0 RU



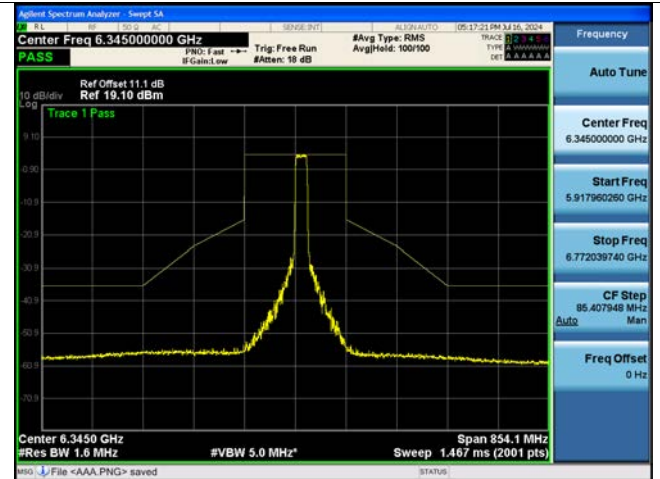
802.11ax HE160, 80_U Ch.79(6345 MHz) 52 Tones 37 RU



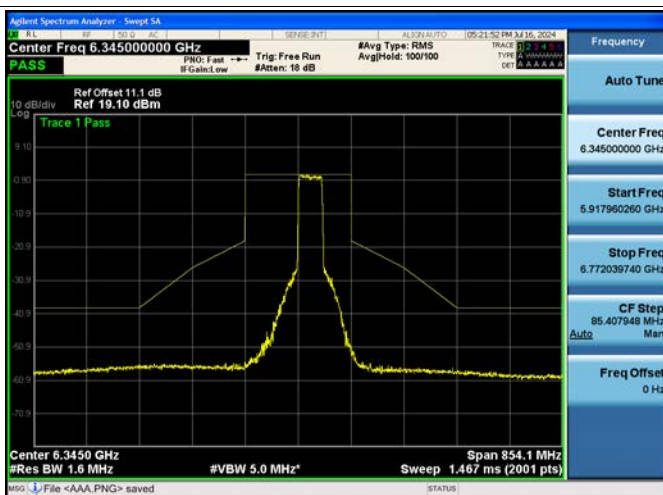
802.11ax HE160, 80_U Ch.79(6345 MHz) 106 Tones 53 RU



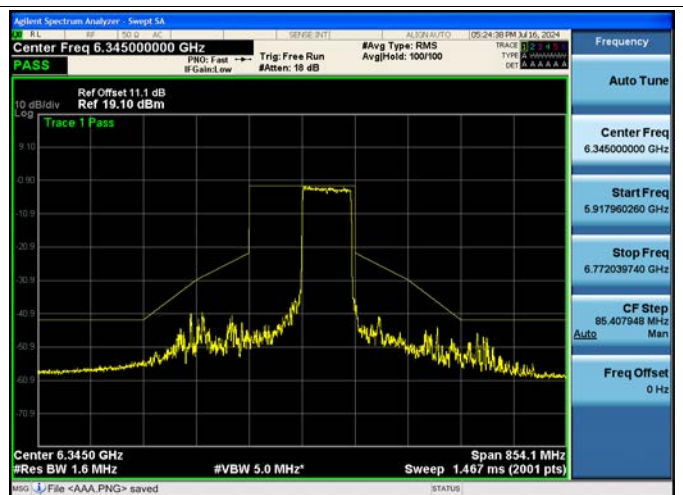
802.11ax HE160, 80_U Ch.79(6345 MHz) 242 Tones 61 RU



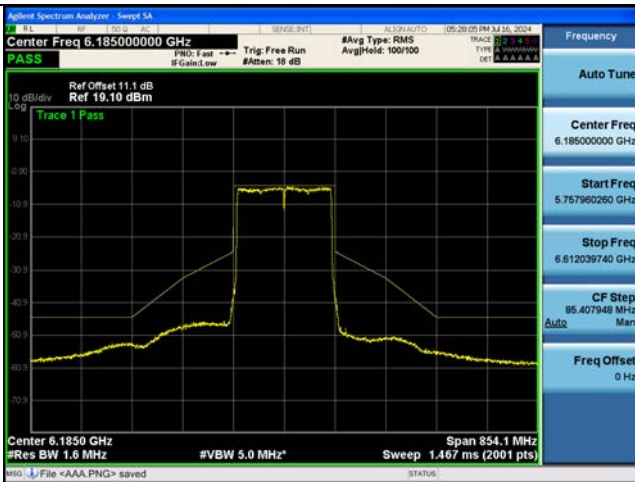
802.11ax HE160, 80_U Ch.79(6345 MHz) 484 Tones 65 RU



802.11ax HE160, 80_U Ch.79(6345 MHz) 996 Tones 67 RU



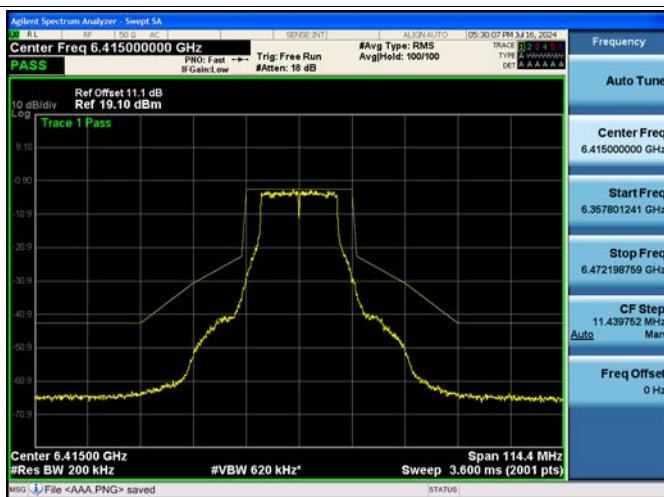
Bandwidth 160M, Ch. 47(6185 MHz) SU



Bandwidth 160M, Ch. 15(6025 MHz) 2x996 Tones 68 RU



802.11a Ch. 93(6415 MHz)

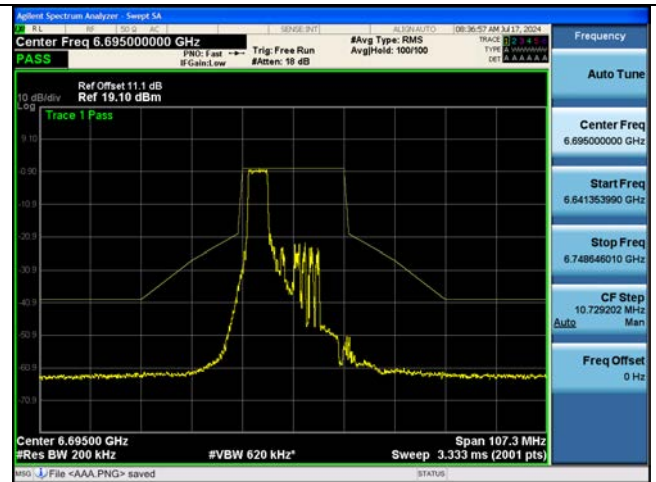


[Ant.2]

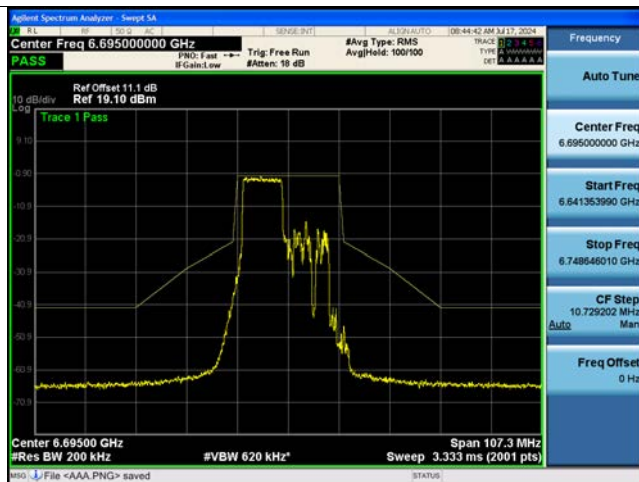
802.11ax HE20 Ch.149(6695 MHz) 26 Tones 0 RU



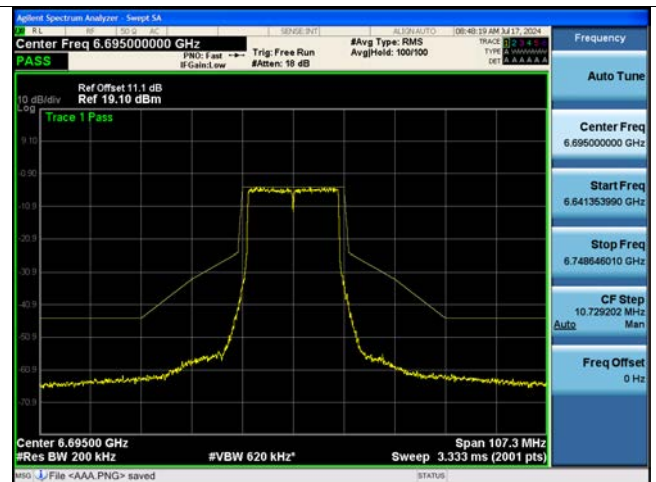
802.11ax HE20 Ch.149(6695 MHz) 52 Tones 37 RU



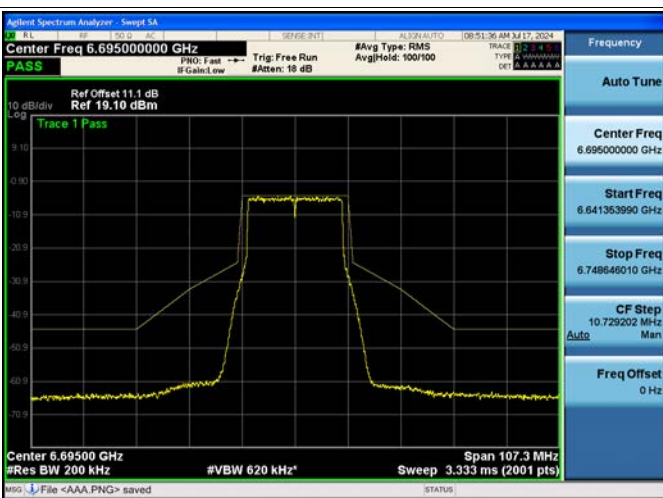
802.11ax HE20 Ch.149(6695 MHz) 106 Tones 53 RU



802.11ax HE20 Ch.149(6695 MHz) 242 Tones 61 RU



802.11ax HE20 Ch.149(6695 MHz) SU



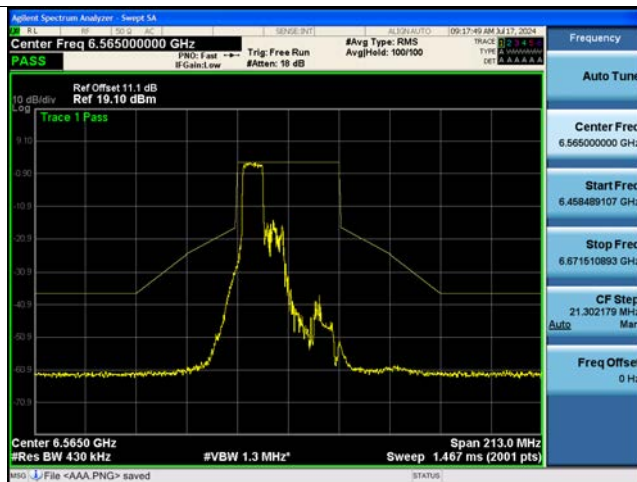
802.11ax HE40 Ch.123(6565 MHz) 26 Tones 0 RU



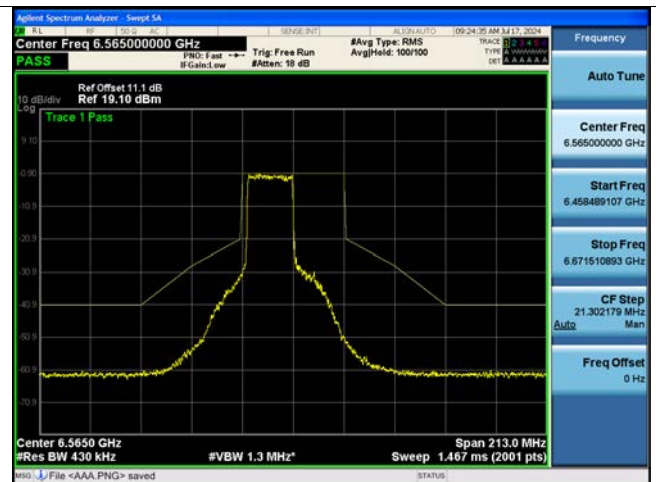
802.11ax HE40 Ch.123(6565 MHz) 52 Tones 37 RU



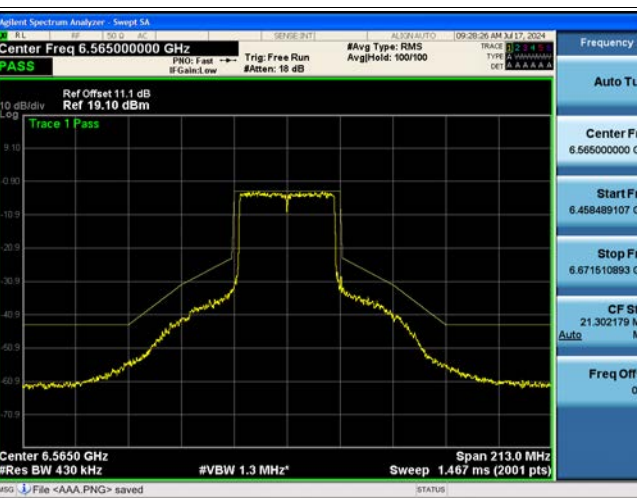
802.11ax HE40 Ch.123(6565 MHz) 106 Tones 53 RU



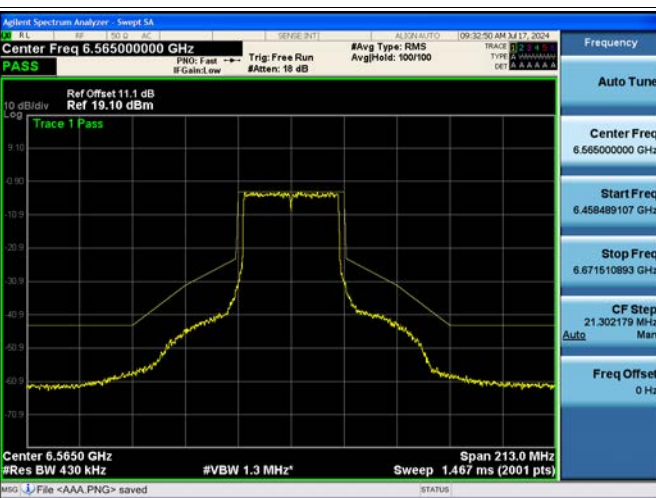
802.11ax HE40 Ch.123(6565 MHz) 242 Tones 61 RU



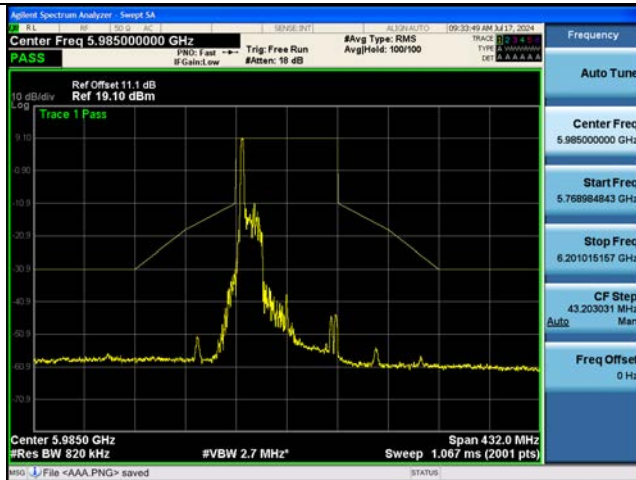
802.11ax HE40 Ch.123(6565 MHz) 484 Tones 65 RU



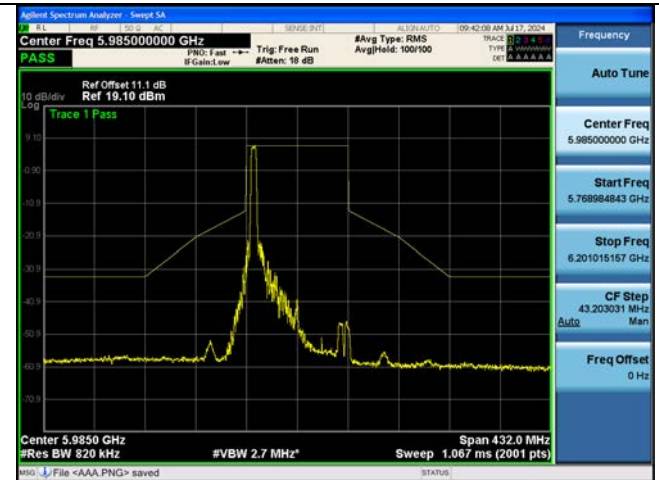
802.11ax HE40 Ch.123(6565 MHz) SU



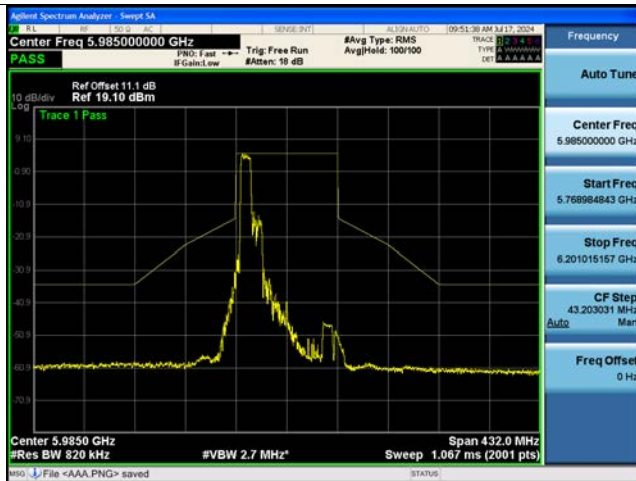
802.11ax HE80 Ch.7(5985 MHz) 26 Tones 0 RU



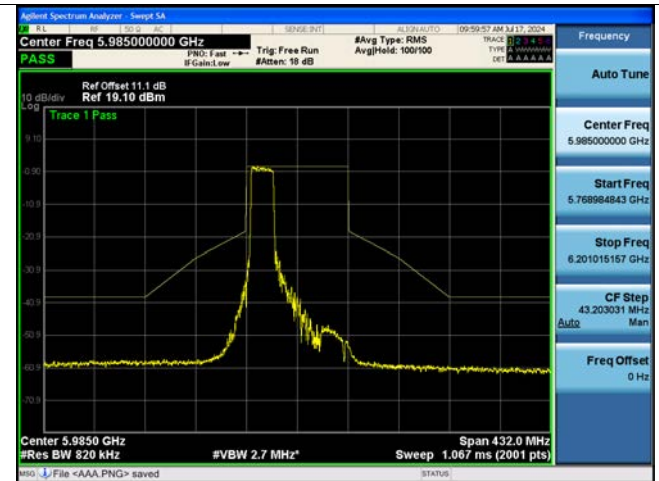
802.11ax HE80 Ch.7(5985 MHz) 52 Tones 37 RU



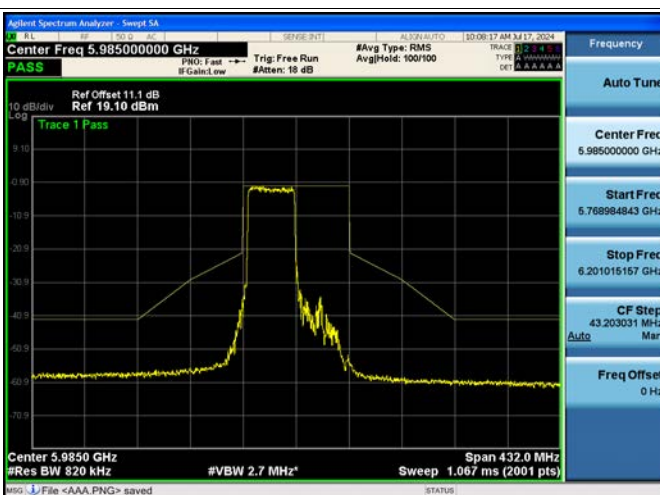
802.11ax HE80 Ch.7(5985 MHz) 106 Tones 53 RU



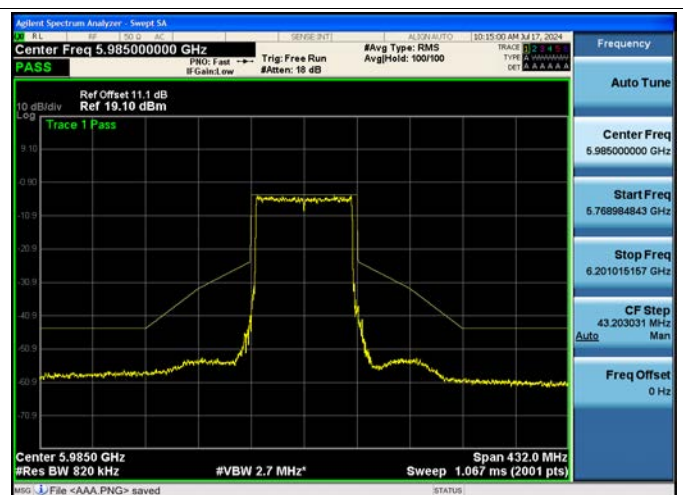
802.11ax HE80 Ch.7(5985 MHz) 242 Tones 61 RU



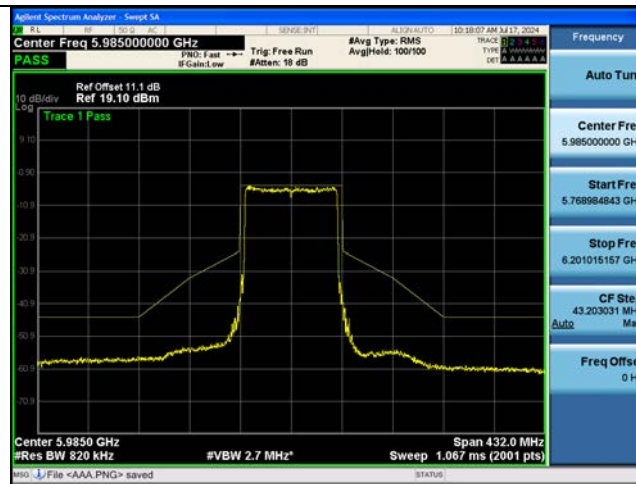
802.11ax HE80 Ch.7(5985 MHz) 484 Tones 65 RU



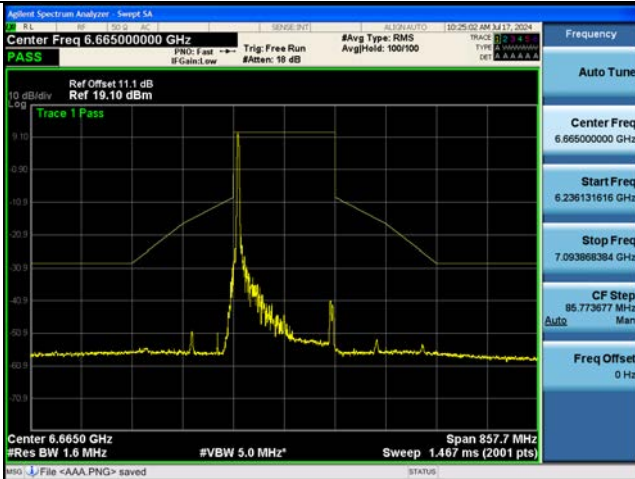
802.11ax HE80 Ch.7(5985 MHz) 996 Tones 67 RU



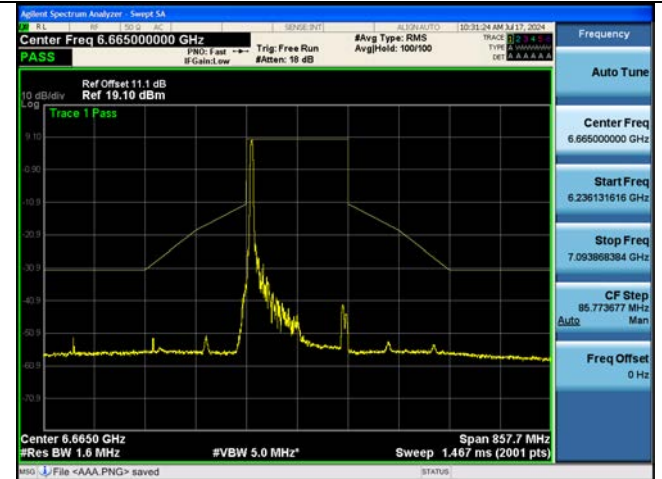
802.11ax HE80 Ch.7(5985 MHz) SU



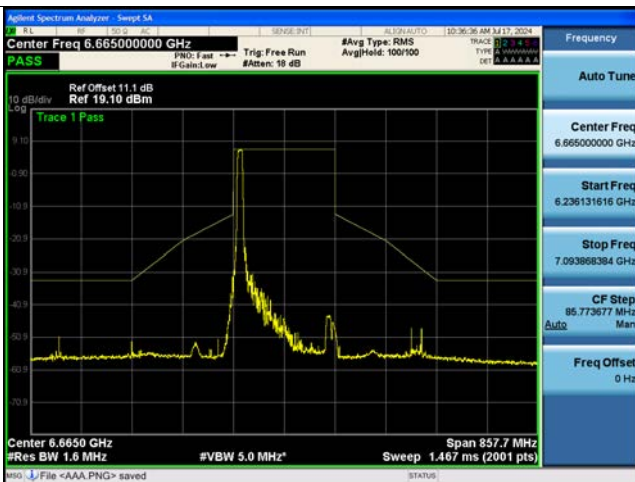
802.11ax HE160, 80_L Ch.143(6665 MHz) 26 Tones 0 RU



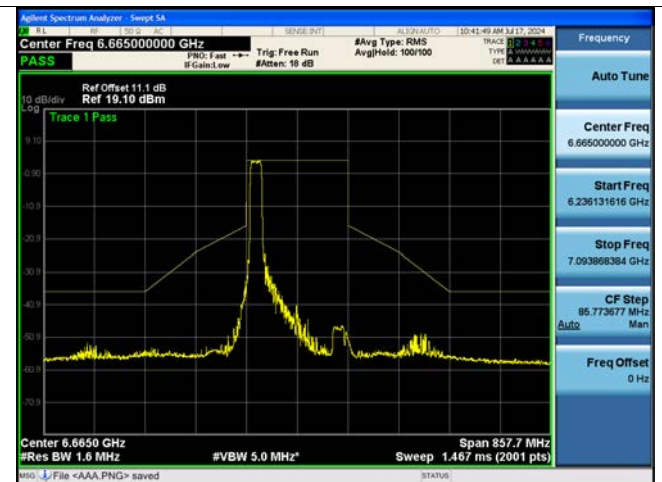
802.11ax HE160, 80_L Ch.143(6665 MHz) 52 Tones 37 RU



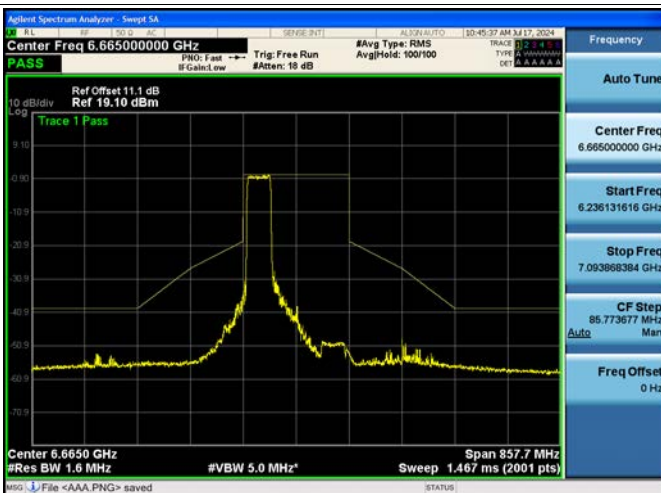
802.11ax HE160, 80_L Ch.143(6665 MHz) 106 Tones 53 RU



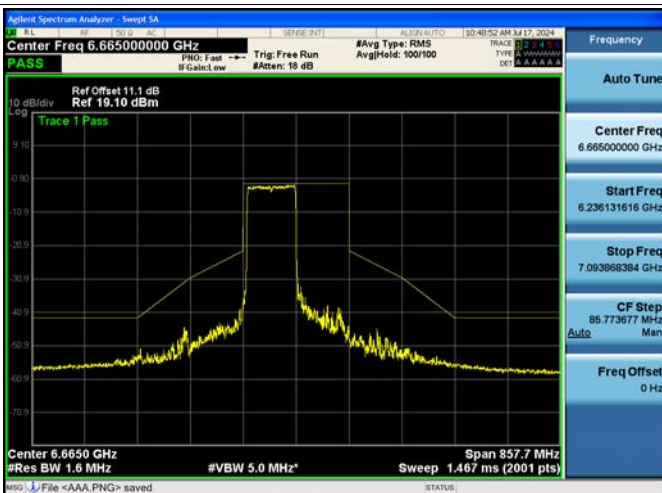
802.11ax HE160, 80_L Ch.143(6665 MHz) 242 Tones 61 RU



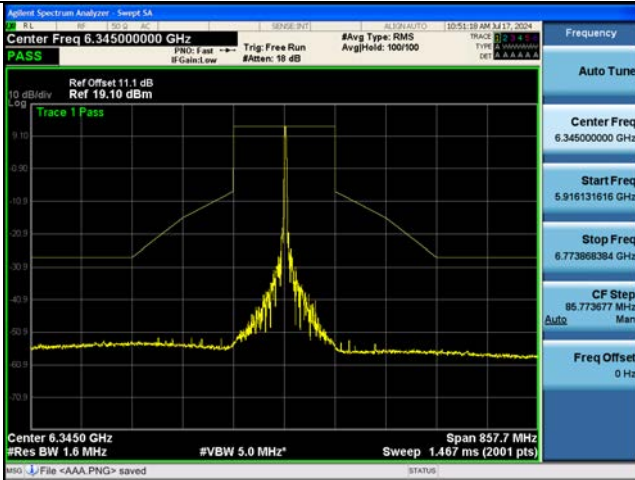
802.11ax HE160, 80_L Ch.143(6665 MHz) 484 Tones 65 RU



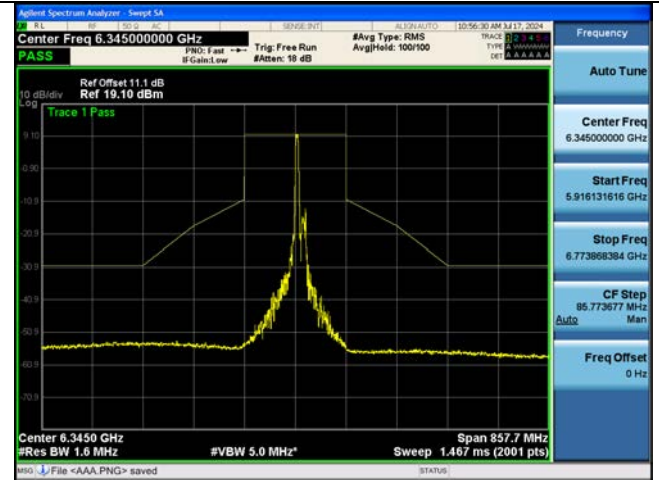
802.11ax HE160, 80_L Ch.143(6665 MHz) 996 Tones 67 RU



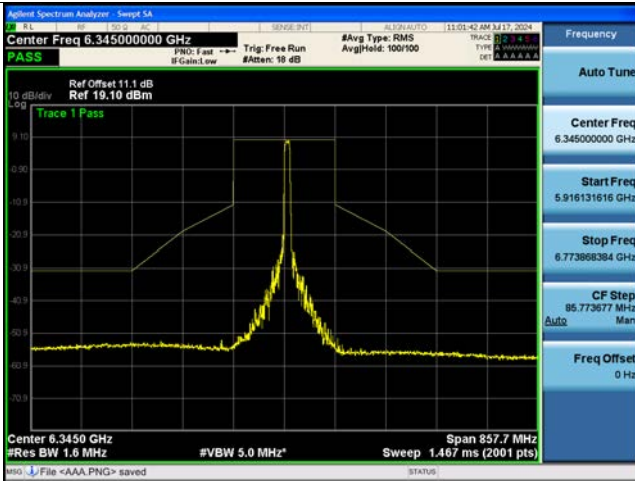
802.11ax HE160, 80_U Ch.79(6345 MHz) 26 Tones 0 RU



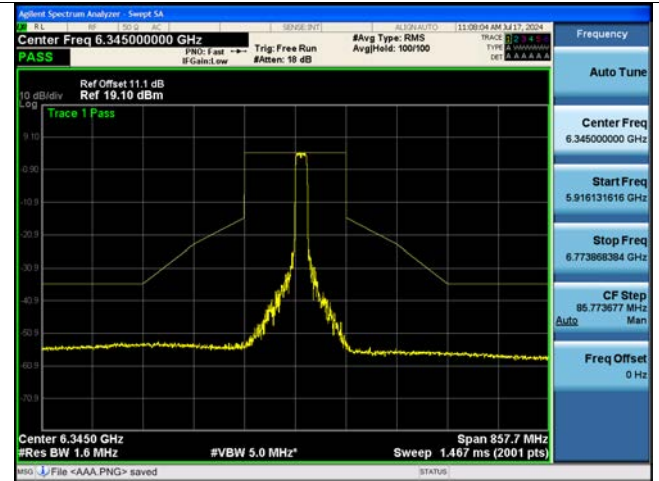
802.11ax HE160, 80_U Ch.79(6345 MHz) 52 Tones 37 RU



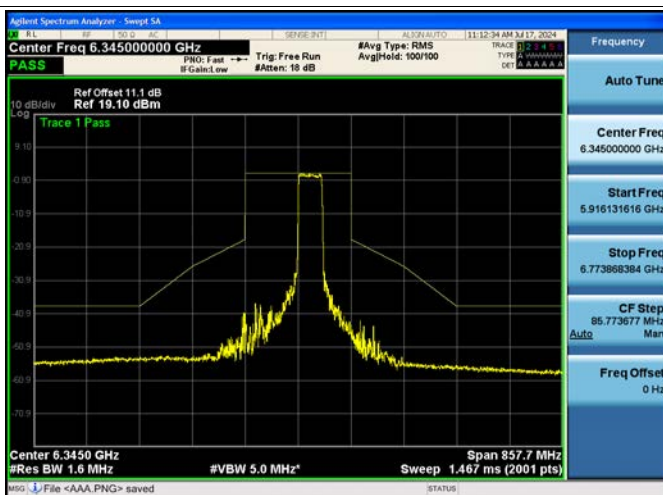
802.11ax HE160, 80_U Ch.79(6345 MHz) 106 Tones 53 RU



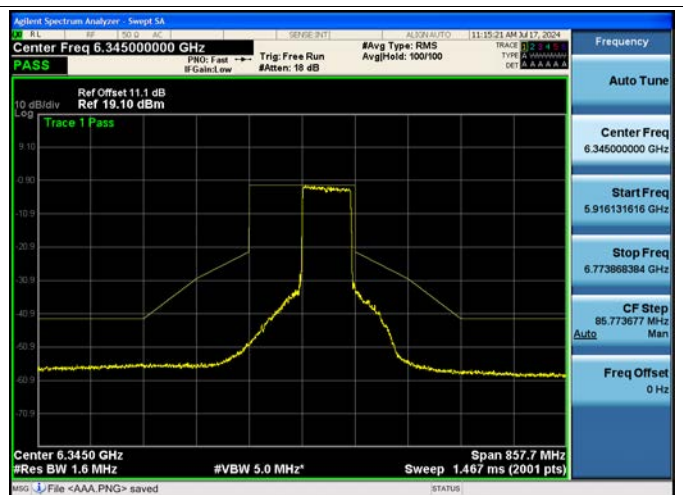
802.11ax HE160, 80_U Ch.79(6345 MHz) 242 Tones 61 RU



802.11ax HE160, 80_U Ch.79(6345 MHz) 484 Tones 65 RU



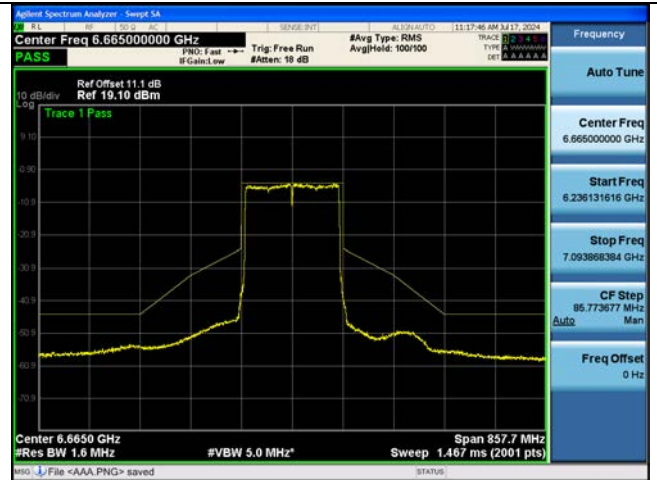
802.11ax HE160, 80_U Ch.79(6345 MHz) 996 Tones 67 RU



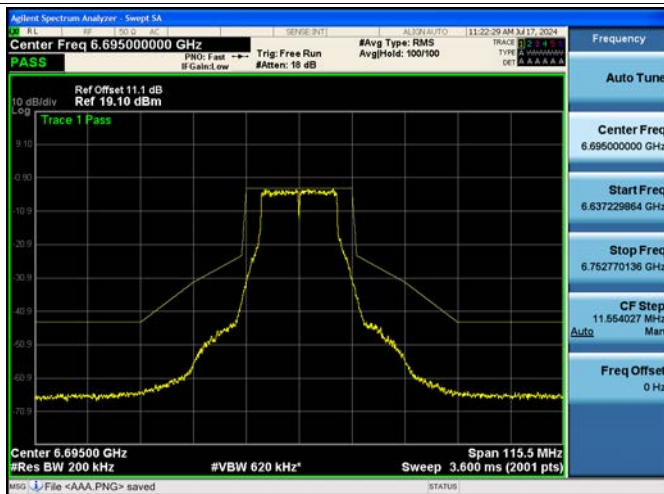
Bandwidth 160M, Ch. 143(6665 MHz) SU



Bandwidth 160M, Ch. 143(6665 MHz) 2x996 Tones 68 RU



802.11a Ch. 149(6695 MHz)



10.7 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. Bandwidth Reduction was used for incumbent avoidance.
5. This device doesn't support Channel Puncturing in the 6GHz Wi-Fi bands

Band	Ant 1 Gain (dBi)	Ant 2 Gain (dBi)
UNII-5		-6 135 MHz, 6 110 MHz: -6.31 6 185 MHz, 6 250 MHz: -6.76
UNII-6		6 455 MHz, 6 430 MHz: -7.09 -6 505 MHz: -6.85 6 580 MHz: -7.22
UNII-7		-6 615 MHz, 6 590 MHz, 6 665 MHz: -7.22 6 740 MHz: -6.94
UNII-8		-6 895 MHz, 6 910 MHz: -8.06 6 985 MHz, 7 060 MHz: -7.63

- 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	HE20	37	6135	-81.90	-6.31	-75.59	-62.00	13.59	Ceased
				-83.34	-6.31	-77.03	-62.00	15.03	Minimal
				-84.13	-6.31	-77.82	-62.00	15.82	Normal
	HE160	47	6110	-80.31	-6.31	-74.00	-62.00	12.00	Ceased
				-82.69	-6.31	-76.38	-62.00	14.38	Minimal
				-83.95	-6.31	-77.64	-62.00	15.64	Normal
			6185	-75.44	-6.76	-68.68	-62.00	6.68	Ceased
				-77.25	-6.76	-70.49	-62.00	8.49	Minimal
				-78.15	-6.76	-71.39	-62.00	9.39	Normal
			6250	-80.66	-6.76	-73.90	-62.00	11.90	Ceased
				-81.52	-6.76	-74.76	-62.00	12.76	Minimal
				-83.88	-6.76	-77.12	-62.00	15.12	Normal
UNII 6	HE20	101	6455	-79.03	-7.09	-71.94	-62.00	9.94	Ceased
				-82.29	-7.09	-75.20	-62.00	13.20	Minimal
				-83.41	-7.09	-76.32	-62.00	14.32	Normal
	HE160	111	6430	-78.14	-7.09	-71.05	-62.00	9.05	Ceased
				-79.48	-7.09	-72.39	-62.00	10.39	Minimal
				-81.26	-7.09	-74.17	-62.00	12.17	Normal
			6505	-72.84	-6.85	-65.99	-62.00	3.99	Ceased
				-74.39	-6.85	-67.54	-62.00	5.54	Minimal
				-76.88	-6.85	-70.03	-62.00	8.03	Normal
			6580	-77.77	-7.22	-70.55	-62.00	8.55	Ceased
				-79.49	-7.22	-72.27	-62.00	10.27	Minimal
				-80.64	-7.22	-73.42	-62.00	11.42	Normal
UNII 7	HE20	133	6615	-80.00	-7.22	-72.78	-62.00	10.78	Ceased
				-81.67	-7.22	-74.45	-62.00	12.45	Minimal
				-82.91	-7.22	-75.69	-62.00	13.69	Normal
	HE160	143	6590	-78.81	-7.22	-71.59	-62.00	9.59	Ceased
				-80.18	-7.22	-72.96	-62.00	10.96	Minimal
				-81.38	-7.22	-74.16	-62.00	12.16	Normal
			6665	-74.00	-7.22	-66.78	-62.00	4.78	Ceased
				-75.86	-7.22	-68.64	-62.00	6.64	Minimal
				-77.49	-7.22	-70.27	-62.00	8.27	Normal
			6740	-80.26	-6.94	-73.32	-62.00	11.32	Ceased
				-82.79	-6.94	-75.85	-62.00	13.85	Minimal
				-84.14	-6.94	-77.20	-62.00	15.20	Normal

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 8	HE20	189	6895	-83.08	-8.06	-75.02	-62.00	13.02	Ceased
				-84.66	-8.06	-76.60	-62.00	14.60	Minimal
				-85.53	-8.06	-77.47	-62.00	15.47	Normal
	HE160	207	6910	-79.20	-8.06	-71.14	-62.00	9.14	Ceased
				-81.47	-8.06	-73.41	-62.00	11.41	Minimal
				-82.65	-8.06	-74.59	-62.00	12.59	Normal
			6985	-75.16	-7.63	-67.53	-62.00	5.53	Ceased
				-77.36	-7.63	-69.73	-62.00	7.73	Minimal
				-79.24	-7.63	-71.61	-62.00	9.61	Normal
			7060	-82.52	-7.63	-74.89	-62.00	12.89	Ceased
				-83.09	-7.63	-75.46	-62.00	13.46	Minimal
				-85.11	-7.63	-77.48	-62.00	15.48	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. Injected Power(dBm) = Actual power of AWGN injected into the antenna port(dBm) + Path Loss(dB)
3. Adjusted Power(dBm) = Injected Power(dBm) – Antenna Gain(dBi)
4. In order to simplify the report, attached were only the worst-case plots.

- Detection probability evaluation table Result

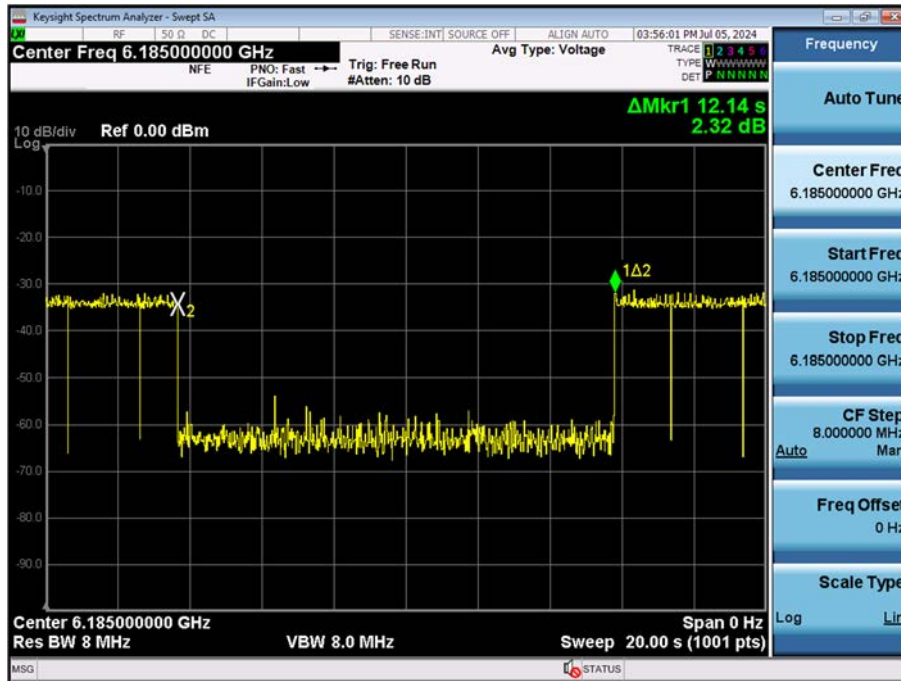
Band	BW	Channel No.	Center Frequency (MHz)	Incumbent Frequency (MHz)	Adjusted Power [dBm]	1	2	3	4	5	6	7	8	9	10	AWGN Detection Probability (%)	Limit Probability (%)
UNII 5	HE20	37	6135	6135	-75.59	o	o	o	o	o	o	o	o	o	o	100	90
	HE160	47	6185	6110	-74.00	o	o	o	o	o	o	o	o	o	o	100	90
				6185	-68.68	o	o	o	o	o	o	o	o	o	o	100	90
				6250	-73.90	o	o	o	o	o	o	o	o	o	o	100	90
UNII 6	HE20	101	6455	6455	-71.94	o	o	o	o	o	o	o	o	o	o	100	90
	HE160	111	6505	6430	-71.05	o	o	o	o	o	o	o	o	o	o	100	90
				6505	-65.99	o	o	o	o	o	o	o	o	o	o	100	90
				6580	-70.55	o	o	o	o	o	o	o	o	o	o	100	90
UNII 7	HE20	133	6615	6615	-72.78	o	o	o	o	o	o	o	o	o	o	100	90
	HE160	143	6665	6590	-71.59	o	o	o	o	o	o	o	o	o	o	100	90
				6665	-66.78	o	o	o	o	o	o	o	o	o	o	100	90
				6740	-73.32	o	o	o	o	o	o	o	o	o	o	100	90
UNII 8	HE20	197	6935	6935	-75.02	o	o	o	o	o	o	o	o	o	o	100	90
	HE160	207	6985	6910	-71.14	o	o	o	o	o	o	o	o	o	o	100	90
				6985	-67.53	o	o	o	o	o	o	o	o	o	o	100	90
				7060	-74.89	o	o	o	o	o	o	o	o	o	o	100	90

Test Plots(Contention Based Protocol)

Incumbent Detection Result

UNII 5

802.11ax HE160 Ch.47(6185 MHz) Incumbent signal (Ceased)

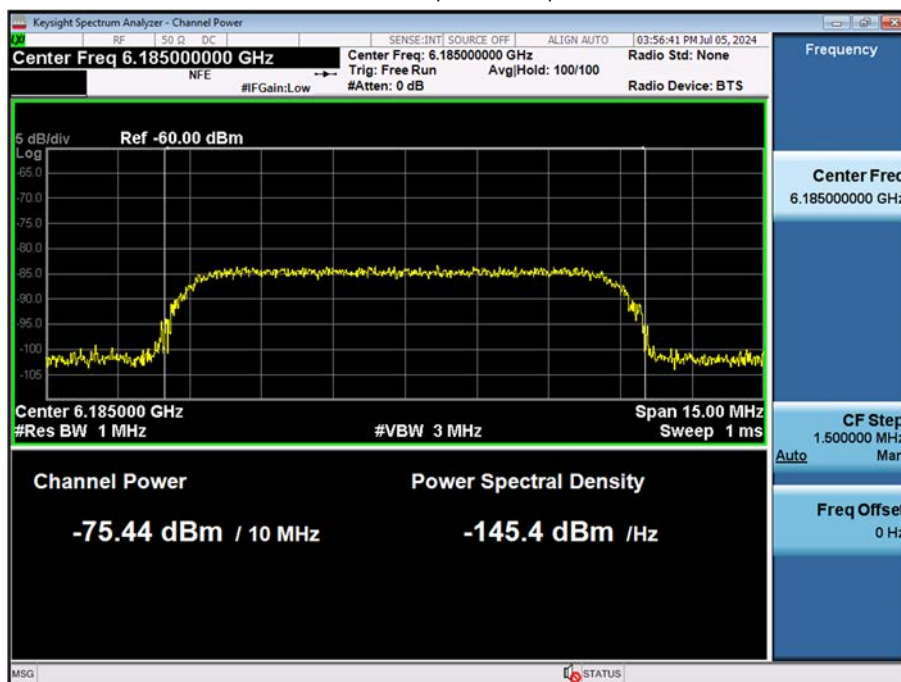


Note :

Marker 2 : AWGN Signal On

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

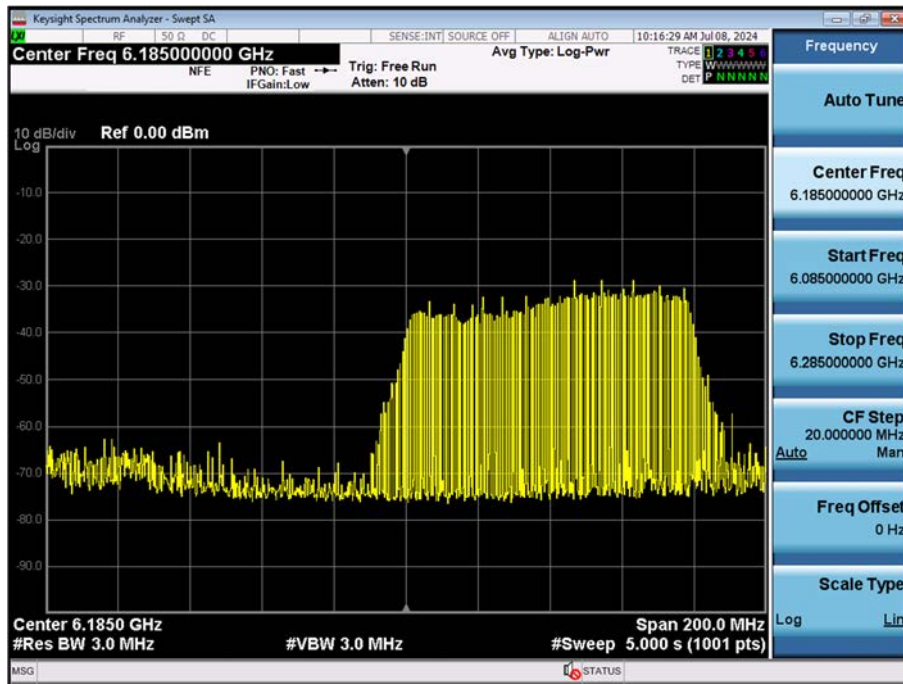
802.11ax HE160 Ch.47(6185 MHz) Detection Level



Bandwidth reduction plot (AWGN injected at low end)

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

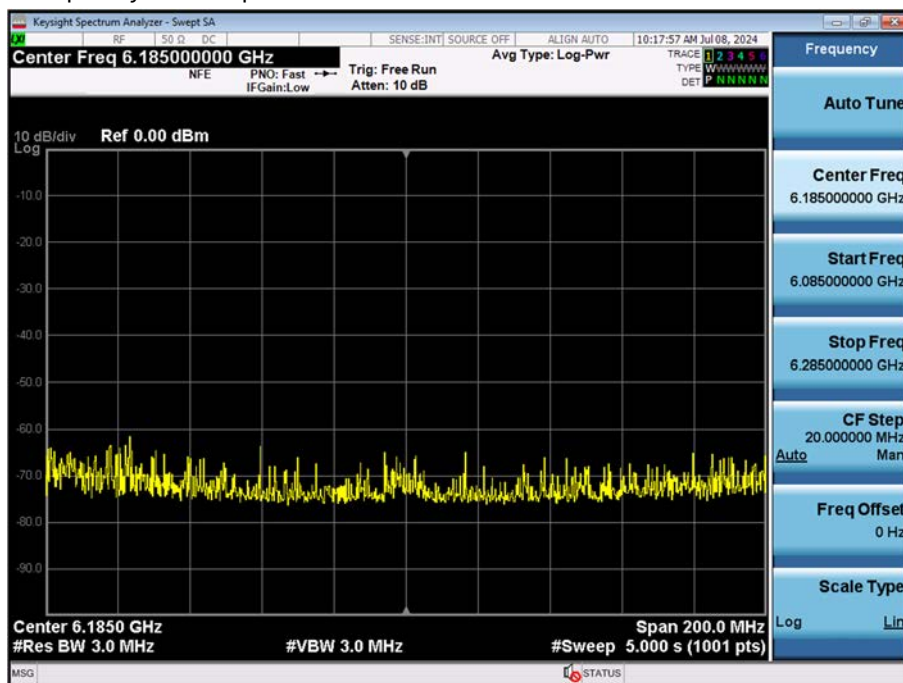
The channel reduces to an 80 MHz channel centered around 6225 MHz.



Bandwidth reduction plot (AWGN injected at center)

: A 10 MHz AWGN signal (centered at 6185 MHz) is injected.

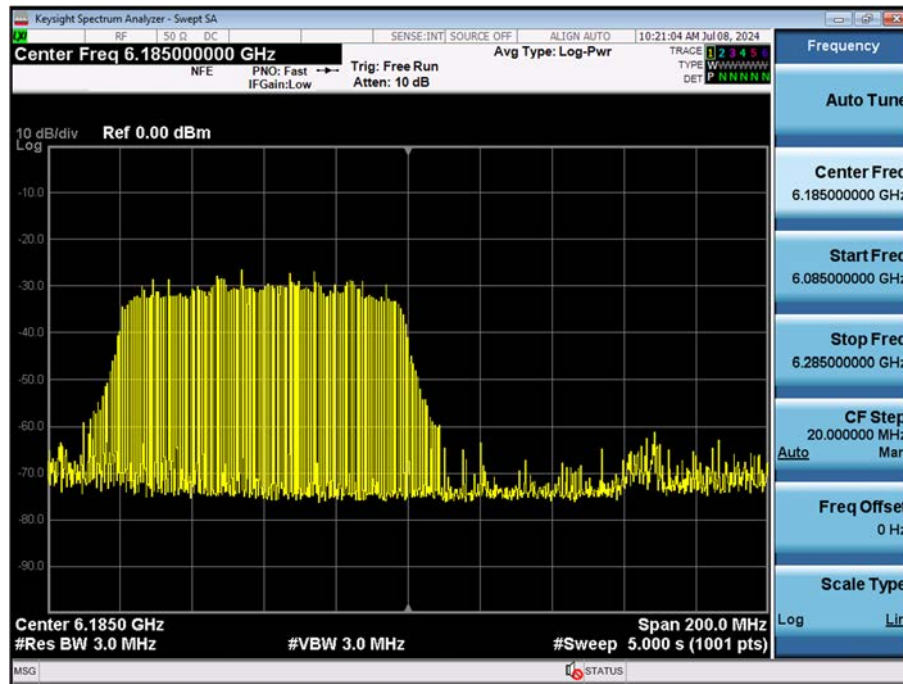
The channel completely ceases operation.



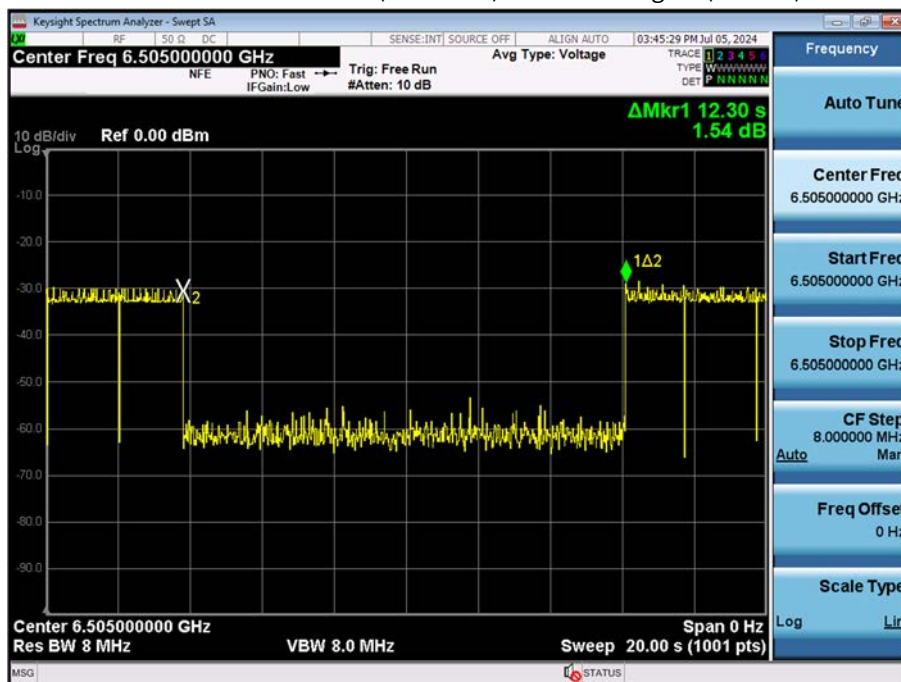
Bandwidth reduction plot (AWGN injected at high end)

: A 10 MHz AWGN signal (centered at 6250 MHz) is injected.

The channel reduces to a 80 MHz channel centered around 6145 MHz.



802.11ax HE160 Ch.111(6505 MHz) Incumbent signal (Ceased)

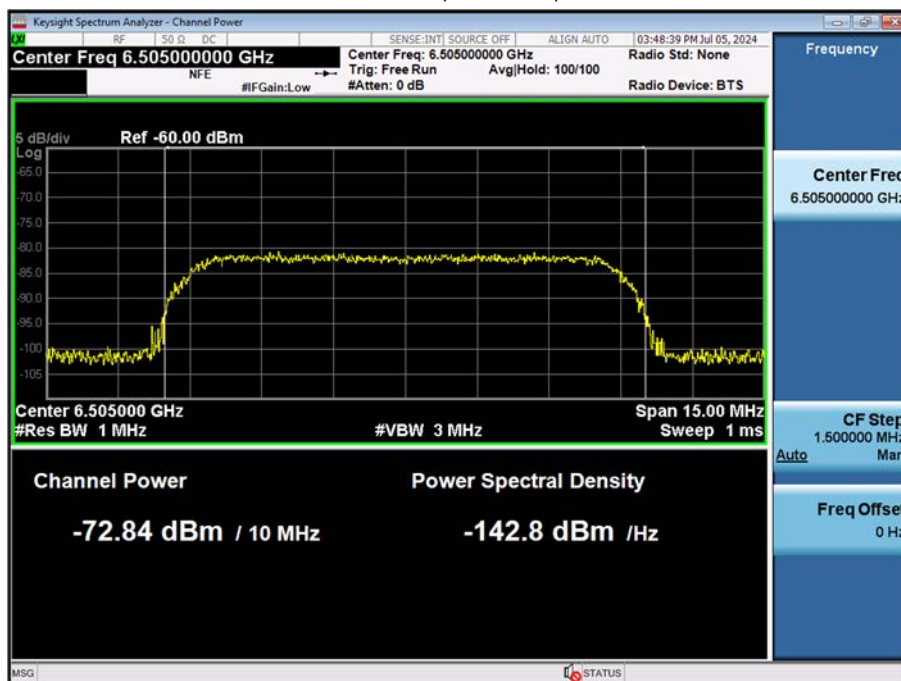


Note :

Marker 2 : AWGN Signal On

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

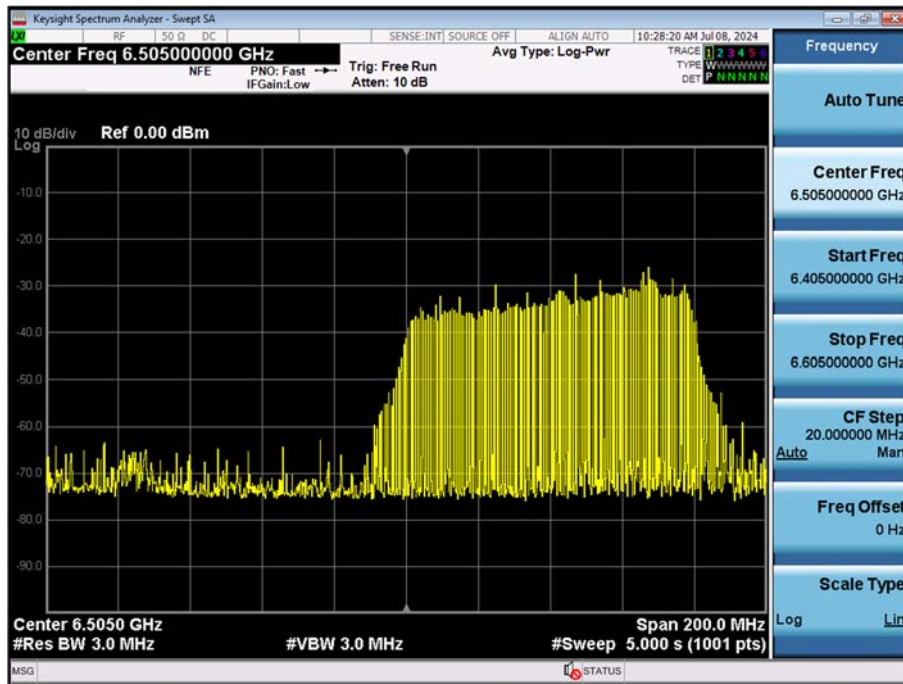
802.11ax HE160 Ch.111(6505 MHz) Detection Level



Bandwidth reduction plot (AWGN injected at low end)

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

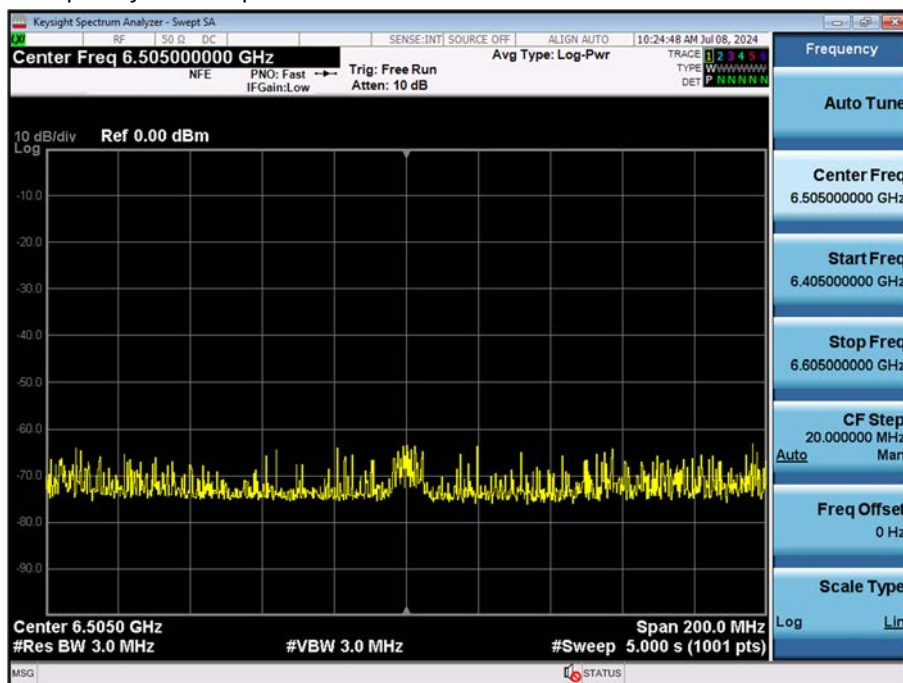
The channel reduces to an 80 MHz channel centered around 6545 MHz.



Bandwidth reduction plot (AWGN injected at center)

: A 10 MHz AWGN signal (centered at 6505 MHz) is injected.

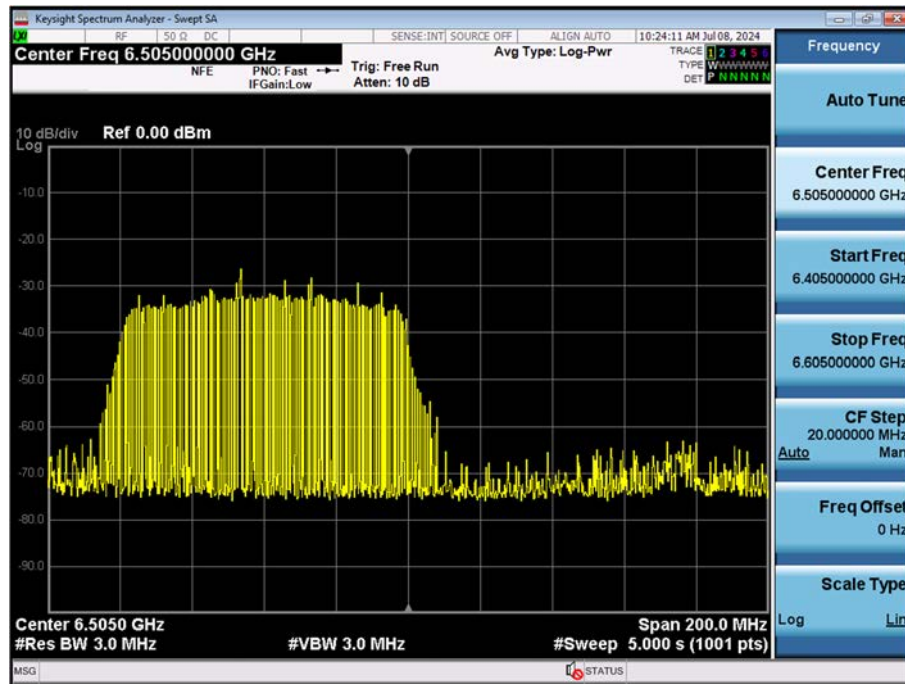
The channel completely ceases operation.



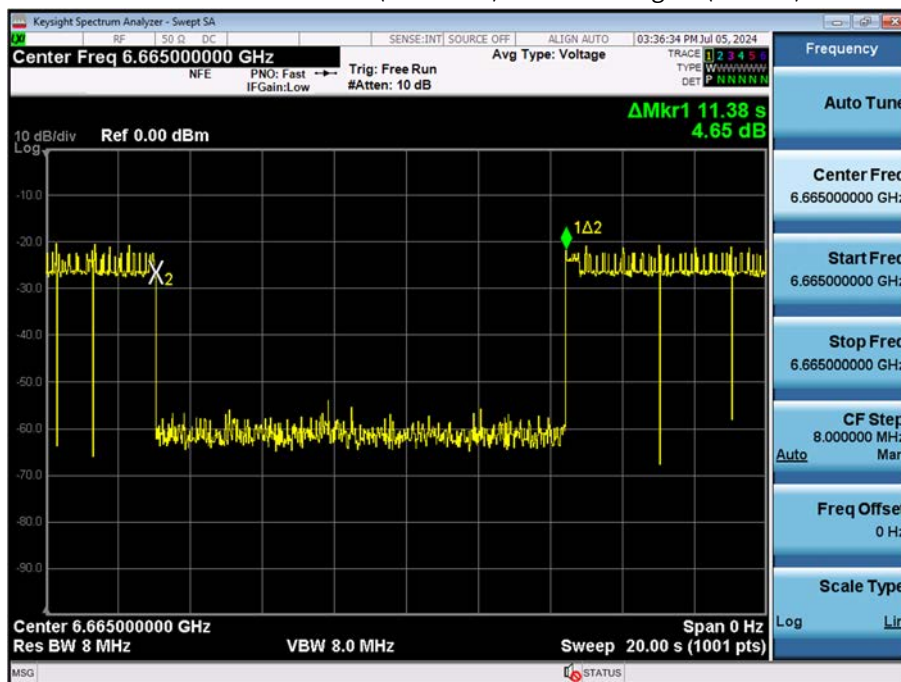
Bandwidth reduction plot (AWGN injected at high end)

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

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



802.11ax HE160 Ch.143(6665 MHz) Incumbent signal (Ceased)

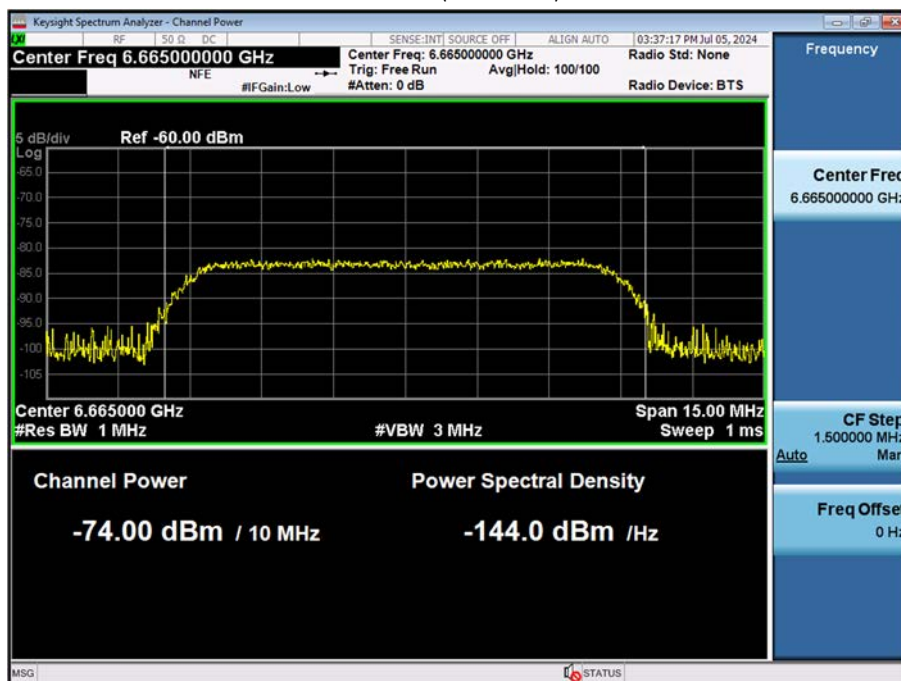


Note :

Marker 2 : AWGN Signal On

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

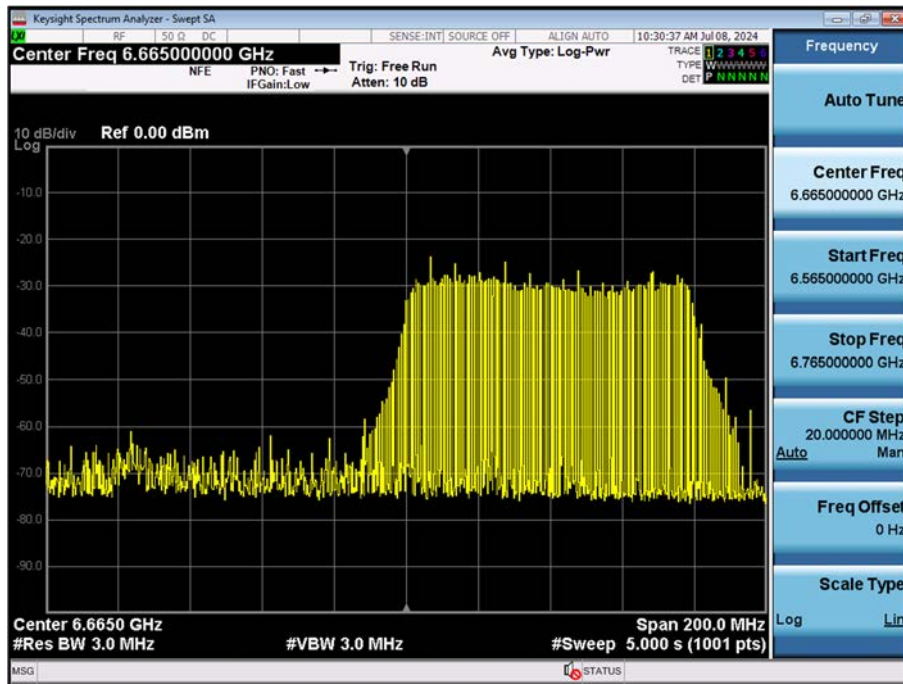
802.11ax HE160 Ch.143(6665 MHz) Detection Level



Bandwidth reduction plot (AWGN injected at low end)

: A 10 MHz AWGN signal (centered at 6590 MHz) is injected.

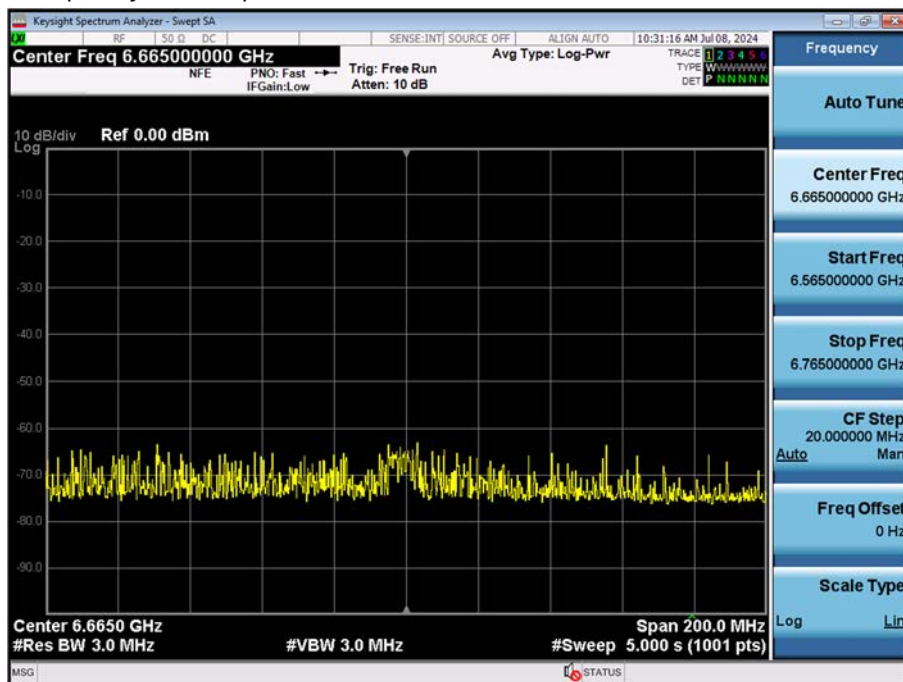
The channel reduces to an 80 MHz channel centered around 6705 MHz.



Bandwidth reduction plot (AWGN injected at center)

: A 10 MHz AWGN signal (centered at 6665 MHz) is injected.

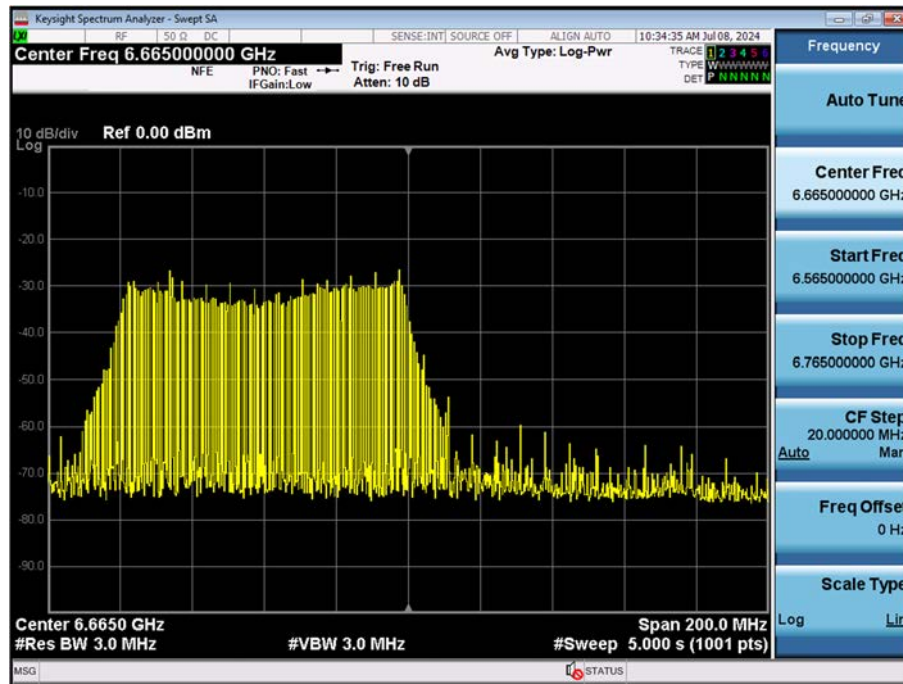
The channel completely ceases operation.



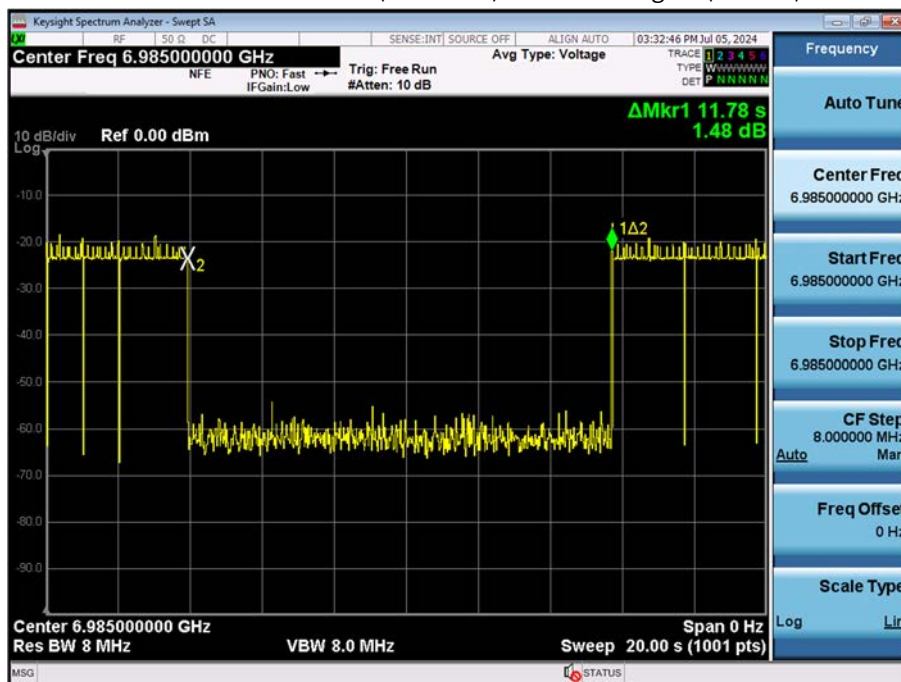
Bandwidth reduction plot (AWGN injected at high end)

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

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



802.11ax HE160 Ch.207(6985 MHz) Incumbent signal (Ceased)

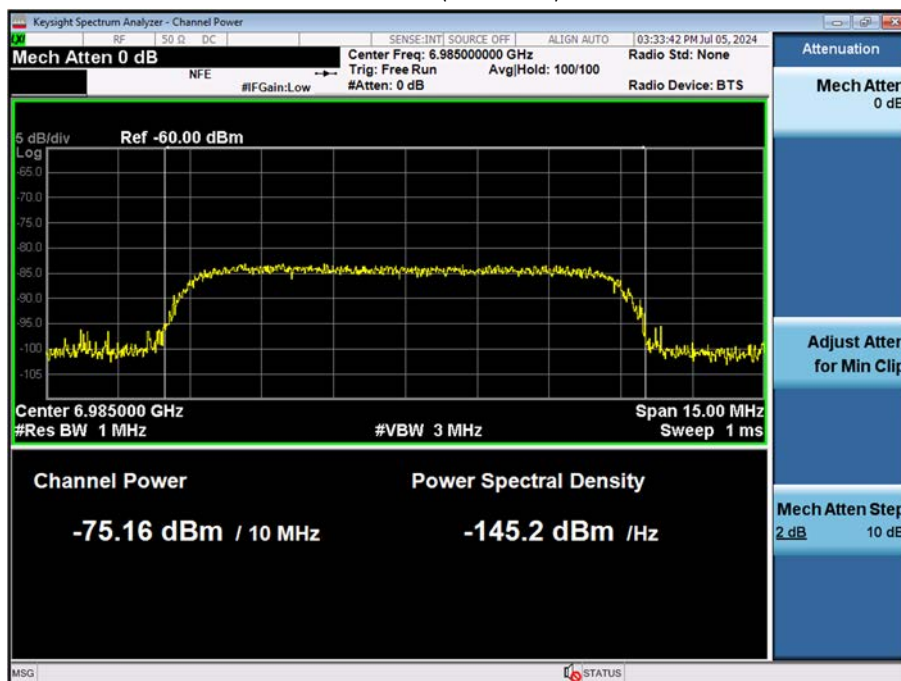


Note :

Marker 2 : AWGN Signal On

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

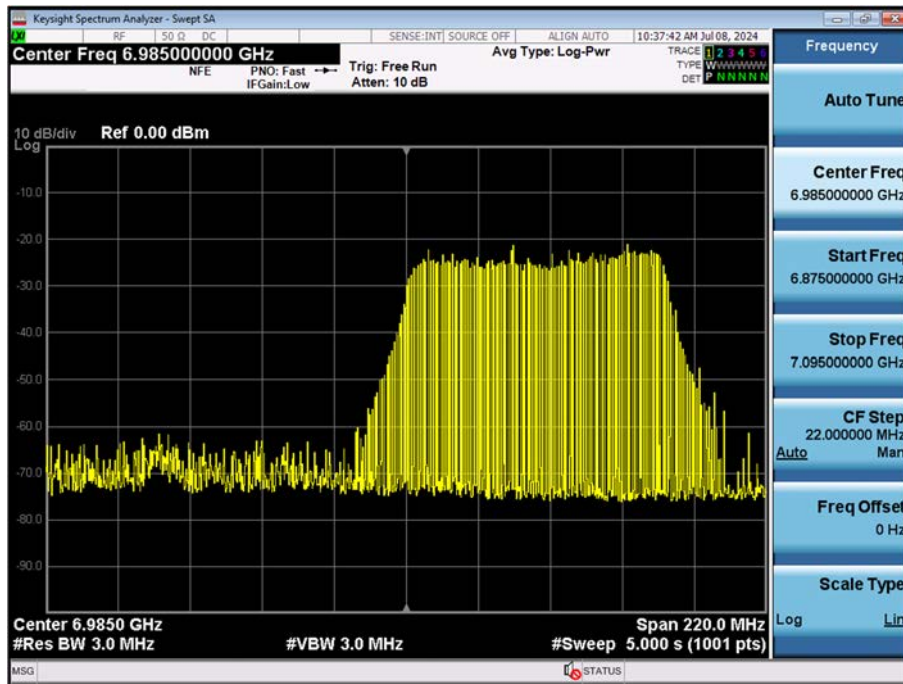
802.11ax HE160 Ch.207(6985 MHz) Detection Level



Bandwidth reduction plot (AWGN injected at low end)

: A 10 MHz AWGN signal (centered at 6910 MHz) is injected.

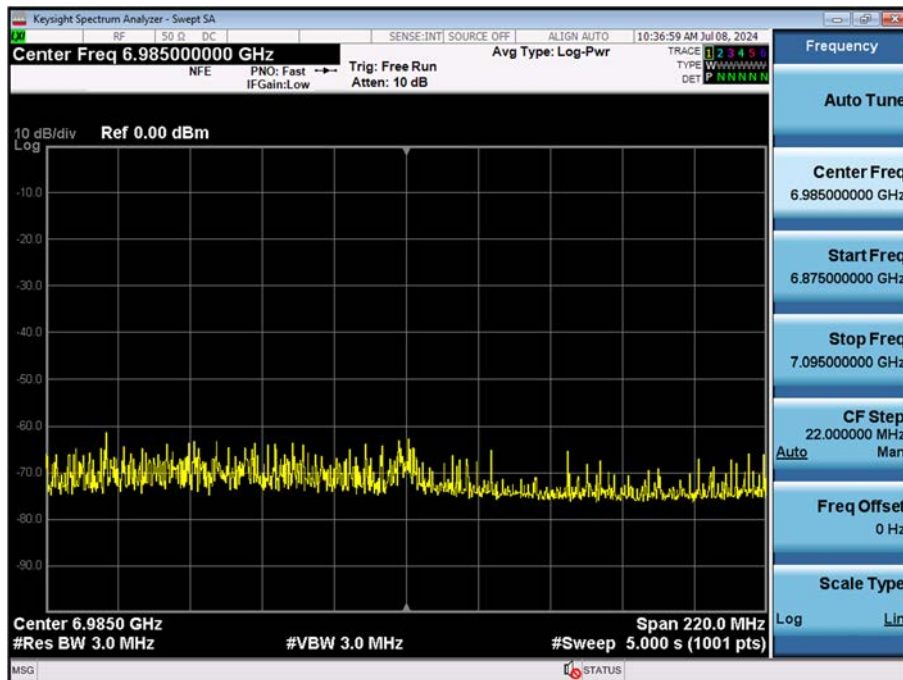
The channel reduces to an 80 MHz channel centered around 7025 MHz.



Bandwidth reduction plot (AWGN injected at center)

: A 10 MHz AWGN signal (centered at 6985 MHz) is injected.

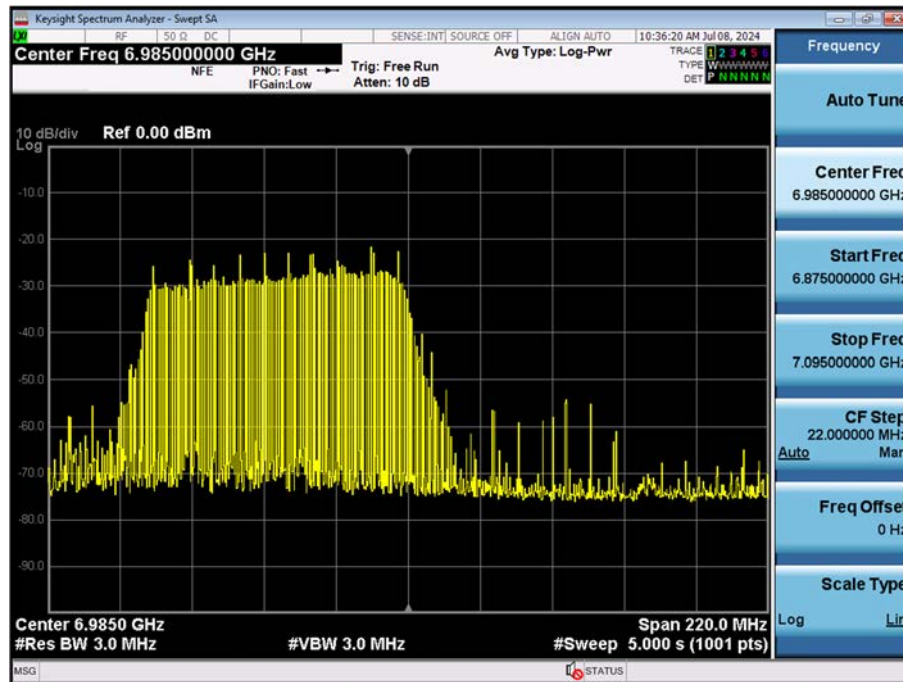
The channel completely ceases operation.



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.



10.8 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 (CMW500) 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. (CMW500)

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)	11.14	11.92	-4.35	-5.85	14.56	-2.06	12.50	30	17.50
24(LPI)	7.30	7.90	-4.35	-5.85	10.62	-2.06	8.56	24	15.44

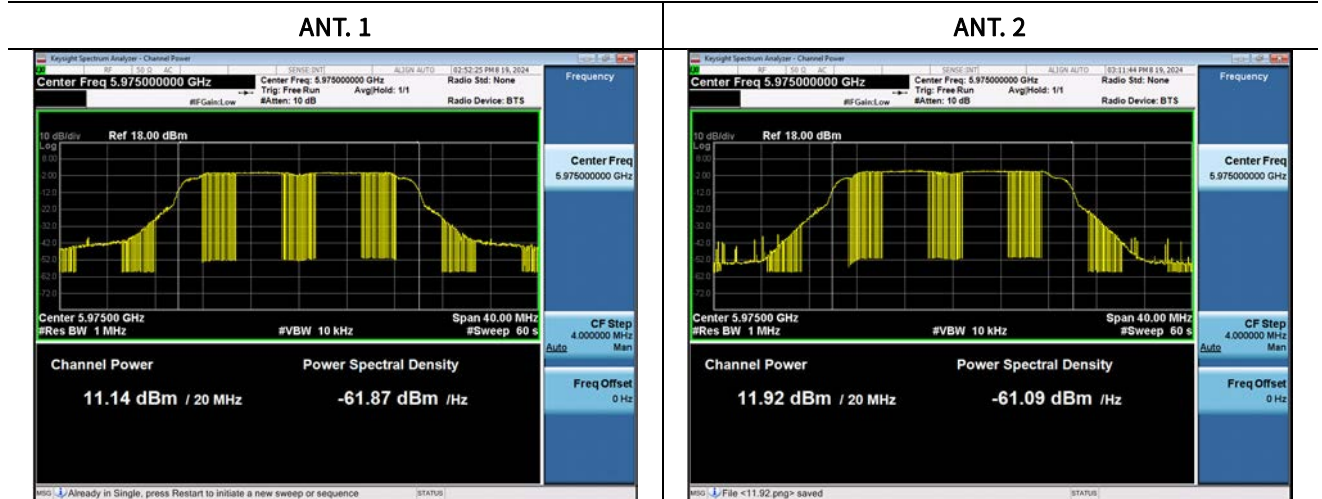
Ch.133 6615 MHz

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)	11.30	12.16	-5.53	-7.22	14.76	-3.32	11.44	30	18.56
24(LPI)	7.97	9.14	-5.53	-7.22	11.60	-3.32	8.28	24	15.72

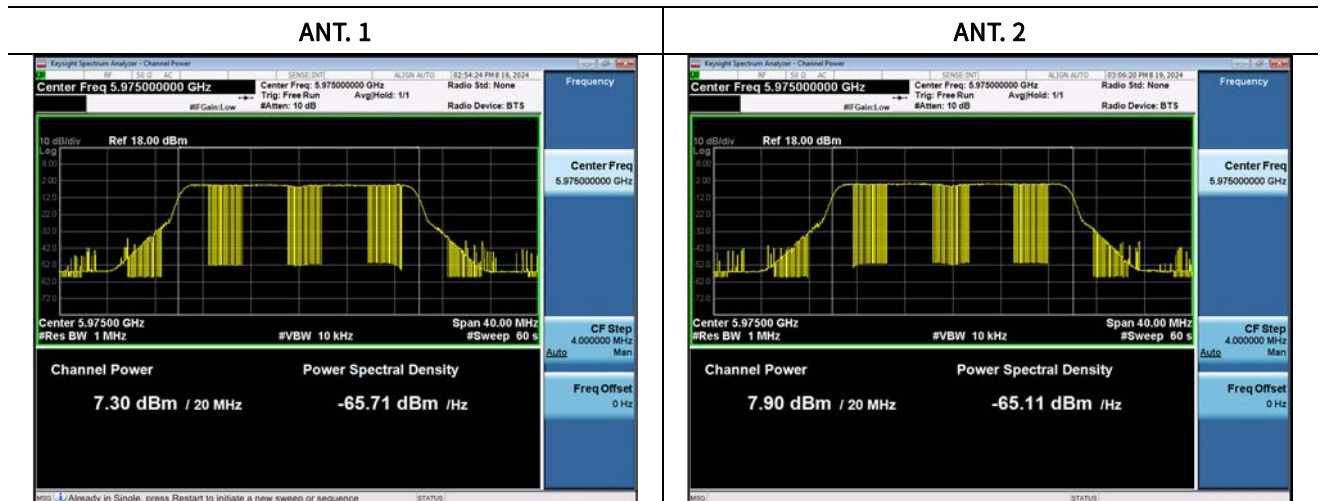
Test Plots

CH.5 5975 MHz

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



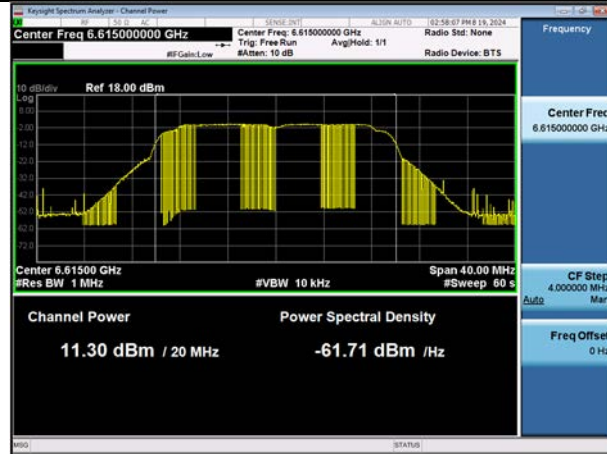
LPI AP Client Conducted Power (EIRP Authorization Power = 24 dBm)



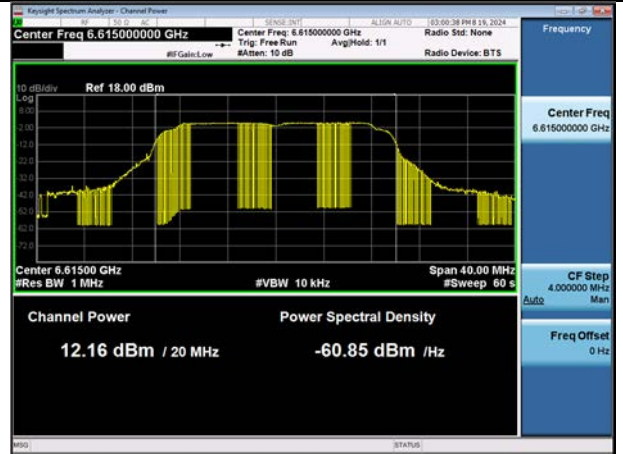
CH.133 6615 MHz

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

ANT. 1

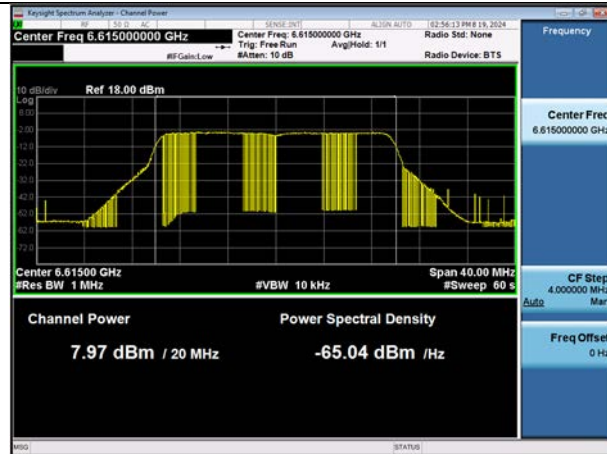


ANT. 2

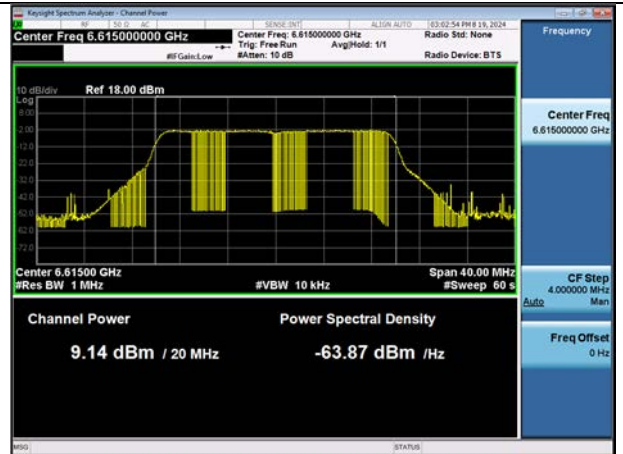


LPI AP Client Conducted Power (EIRP Authorization Power = 24 dBm)

ANT. 1



ANT. 2



CMW500 Status

CMW500 - EIRP Authorization Power_30 dBm (SP AP)

WLAN Signaling 1 - Configuration		WLAN Signaling 1 - Configuration	
Path: Connection/Country Code - Country Code - Country Information ☒ - Country Code us - First Channel 1 - Number Of Channels 13 - Max TX Power 30 dBm - Supported Rates Automatic - Management Frame Control Automatic - Data Frame Control Automatic - Trigger Frame Automatic - Security - Mode WPA3 Personal - AKM Suite SAE - Encryption Type CCMP-128 - Protection Management Frame Required - Common Settings - Group Transform 256 bit ECP - Passphrase 12345678 - SAE H2E Support Both - WPA/WPA2/WPA3 Enterprise - Radius Sever Internal - QoS Data TID - Block Ack		Path: Connection/Transmit Power Control/6GHz Regulatory Info - Data Frame Control Automatic - Trigger Frame Automatic - Security - Mode WPA3 Personal - AKM Suite SAE - Encryption Type CCMP-128 - Protection Management Frame Required - Common Settings - Group Transform 256 bit ECP - Passphrase 12345678 - SAE H2E Support Both - WPA/WPA2/WPA3 Enterprise - Radius Sever Internal - QoS Data TID - Block Ack - A-MPDU - EDCA - Transmit Power Control - Power Constraint 6 dB 6GHz Regulatory Info Standard power AP - Co-located AP - Enable ☐ - SSID CMW-AP	

CMW500- EIRP Authorization Power_24 dBm (LPI AP)

WLAN Signaling 1 - Configuration		WLAN Signaling 1 - Configuration	
Path: Connection/Country Code - Country Code - Country Information ☒ - Country Code us - First Channel 1 - Number Of Channels 13 - Max TX Power 24 dBm - Supported Rates Automatic - Management Frame Control Automatic - Data Frame Control Automatic - Trigger Frame Automatic - Security - Mode WPA3 Personal - AKM Suite SAE - Encryption Type CCMP-128 - Protection Management Frame Required - Common Settings - Group Transform 256 bit ECP - Passphrase 12345678 - SAE H2E Support Both - WPA/WPA2/WPA3 Enterprise - Radius Sever Internal - QoS Data TID - Block Ack		Path: Connection/Transmit Power Control/6GHz Regulatory Info - Supported Rates Automatic - Management Frame Control Automatic - Data Frame Control Automatic - Trigger Frame Automatic - Security - Mode WPA3 Personal - AKM Suite SAE - Encryption Type CCMP-128 - Protection Management Frame Required - Common Settings - Group Transform 256 bit ECP - Passphrase 12345678 - SAE H2E Support Both - WPA/WPA2/WPA3 Enterprise - Radius Sever Internal - QoS Data TID - Block Ack - A-MPDU - EDCA - Transmit Power Control - Power Constraint 6 dB 6GHz Regulatory Info Indoor AP - Co-located AP	

10.9 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(CMW500) authorized to transmit up to 14 dBm, 25 dBm, and 36 dBm on Ch. 5 (5975 MHz) and Ch. 133 (6615 MHz).
3. The lowest 8dBm 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. (CMW500)

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	11.56	12.35	-4.35	-5.85	14.98	-2.06	12.93	30	17.07
25	11.53	12.37	-4.35	-5.85	14.98	-2.06	12.92	19	6.08
14	5.95	6.35	-4.35	-5.85	9.16	-2.06	7.11	8	0.89

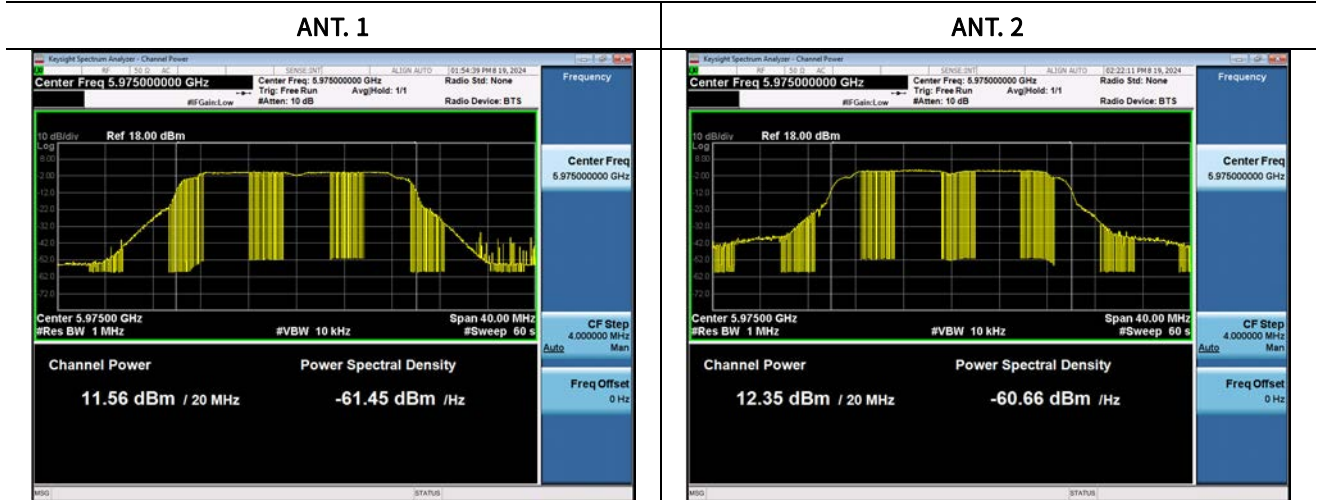
Ch.133 6615 MHz

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	11.38	13.00	-5.53	-7.22	15.28	-3.32	11.95	30	18.05
25	11.37	12.31	-5.53	-7.22	14.88	-3.32	11.55	19	7.45
14	5.96	5.90	-5.53	-7.22	8.94	-3.32	5.62	8	2.38

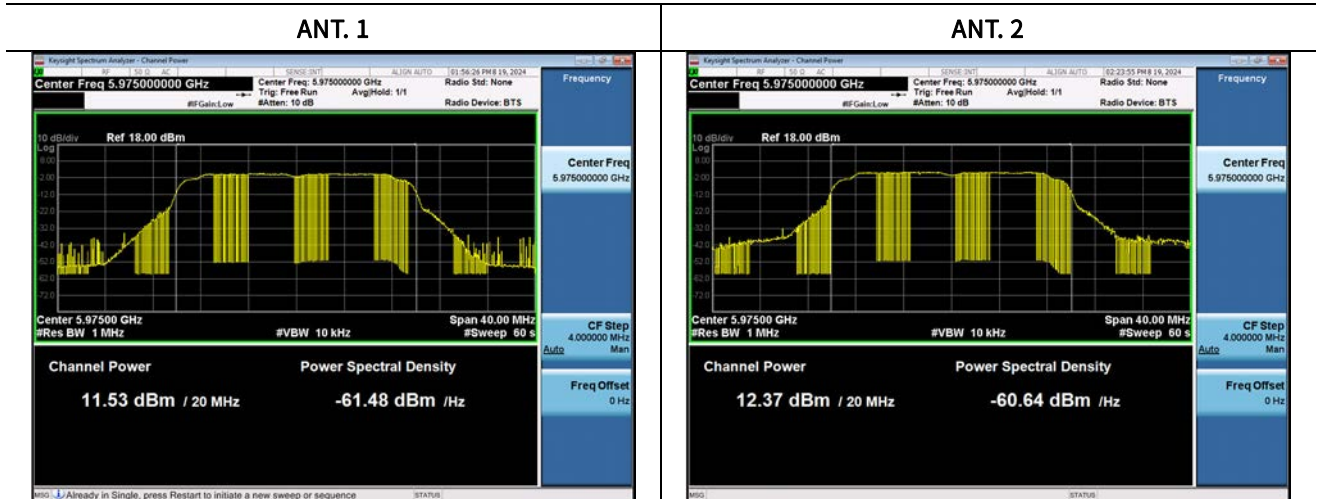
Test Plots

CH.5 5975 MHz

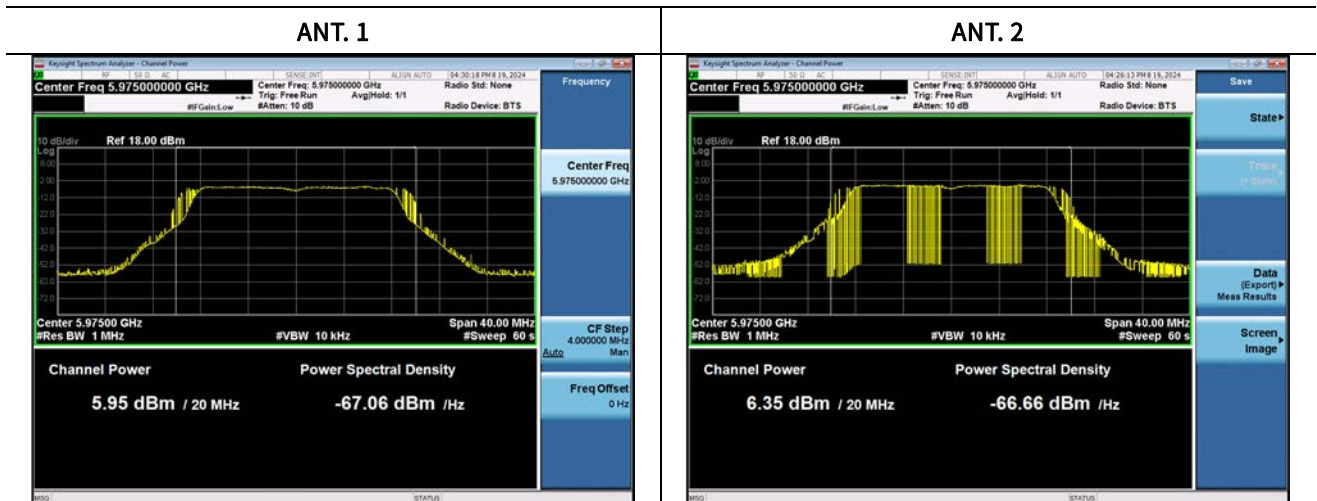
Client Conducted Power (EIRP Authorization Power = 36 dBm)



Client Conducted Power (EIRP Authorization Power = 25 dBm)



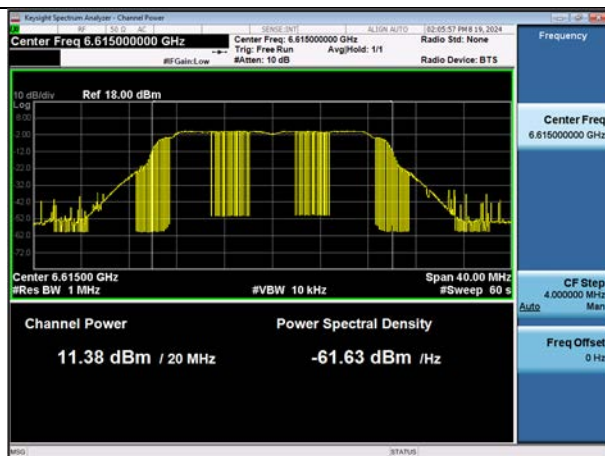
Client Conducted Power (EIRP Authorization Power = 14 dBm)



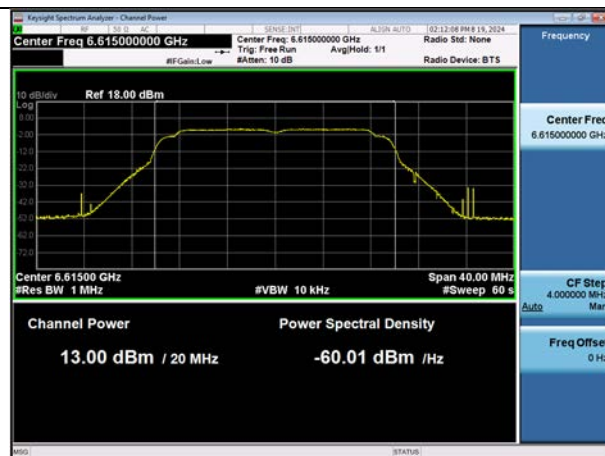
CH.133 6615 MHz

Client Conducted Power (EIRP Authorization Power = 36 dBm)

ANT. 1

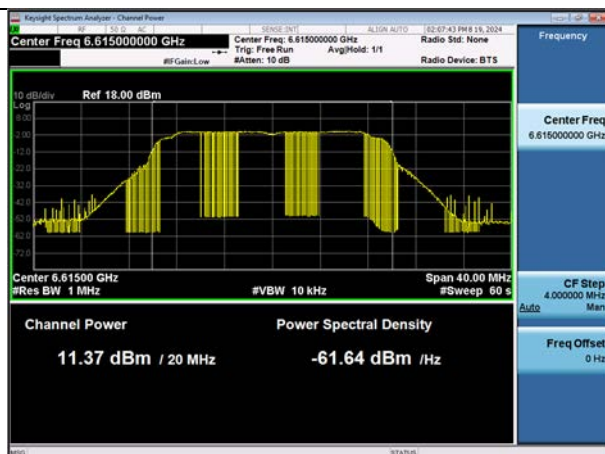


ANT. 2

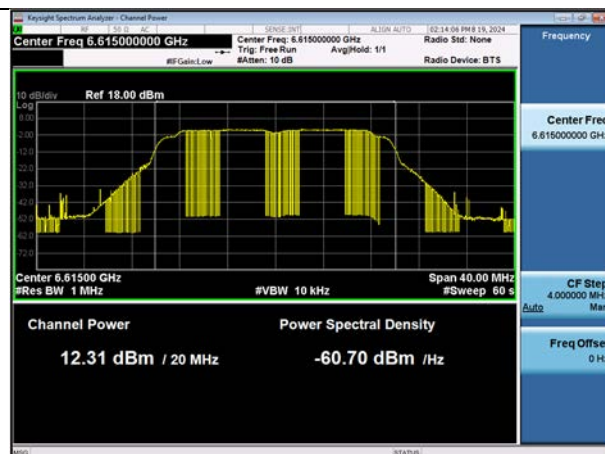


Client Conducted Power (EIRP Authorization Power = 25 dBm)

ANT. 1

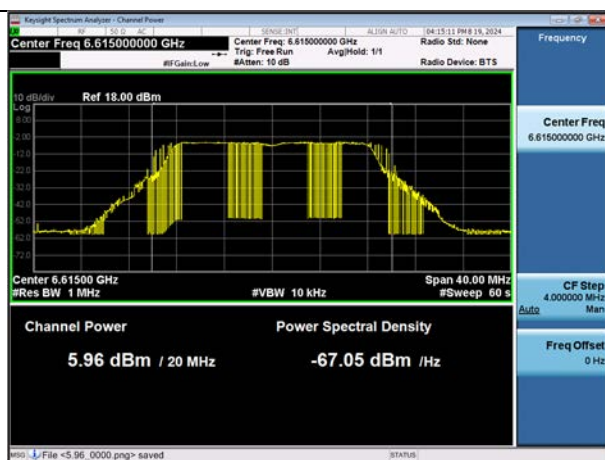


ANT. 2



Client Conducted Power (EIRP Authorization Power = 14 dBm)

ANT. 1



ANT. 2

