

[Ant.2]

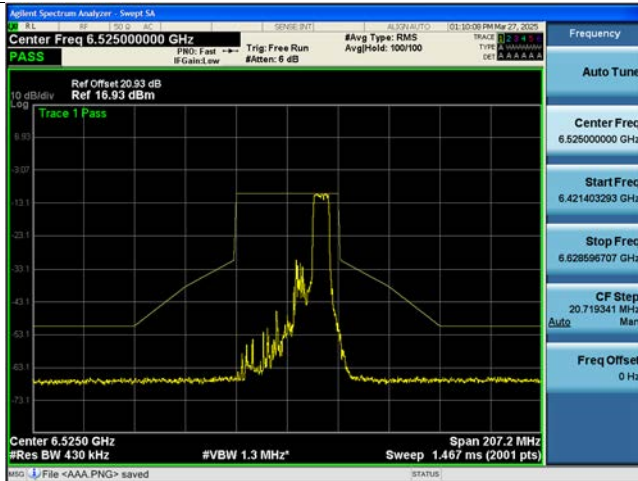
802.11be EHT20M Ch.97(6435 MHz) 52T+26T RU72



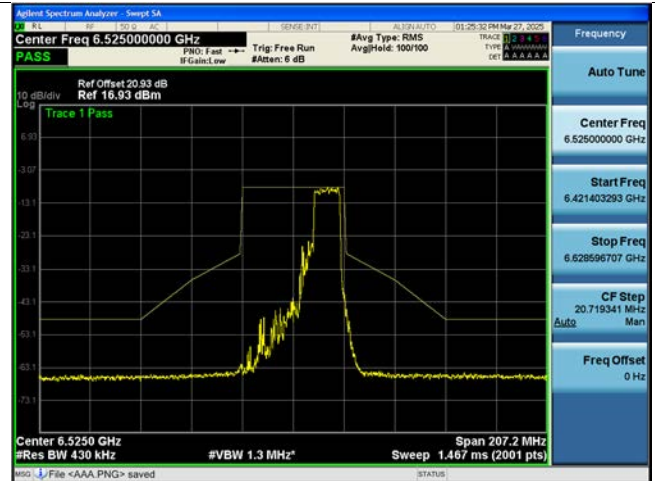
802.11be EHT20M Ch.97(6435 MHz) 106T+26T RU83



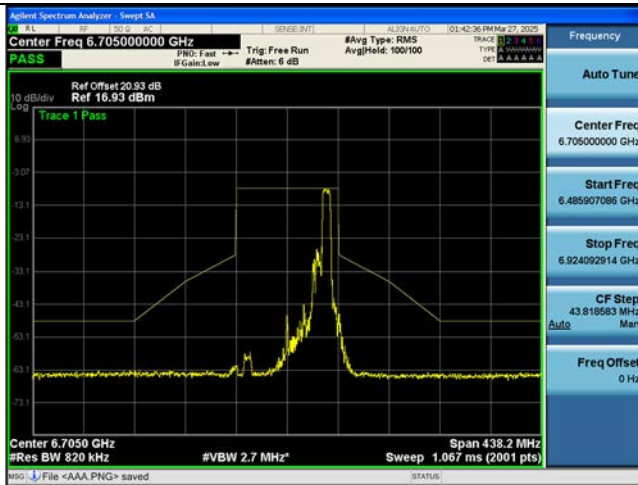
802.11be EHT40M Ch.115(6525 MHz) 52T+26T RU75



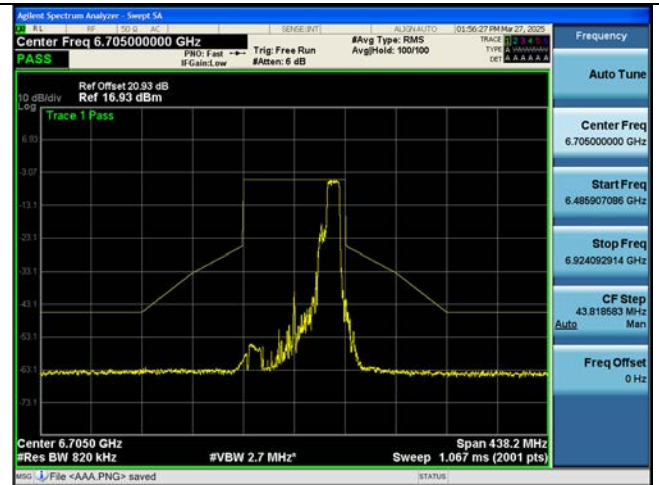
802.11be EHT40M Ch.115(6525 MHz) 106T+26T RU85



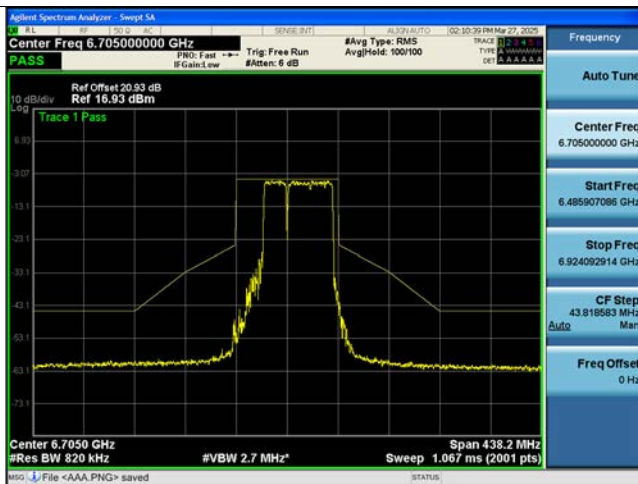
802.11be EHT80M Ch.151(6705 MHz) 52T+26T RU81



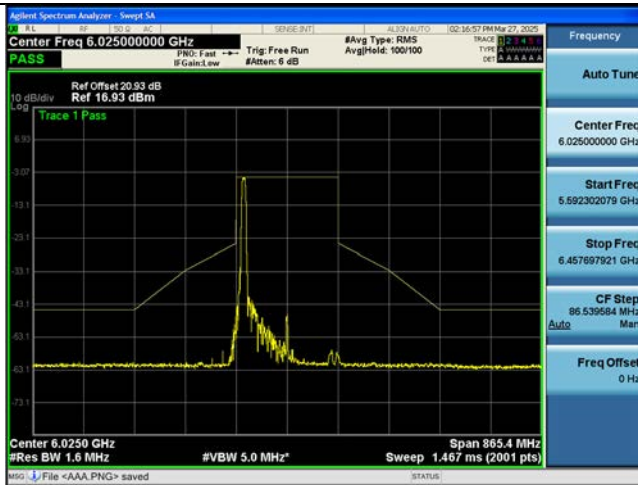
802.11be EHT80M Ch.151(6705 MHz) 106T+26T RU89



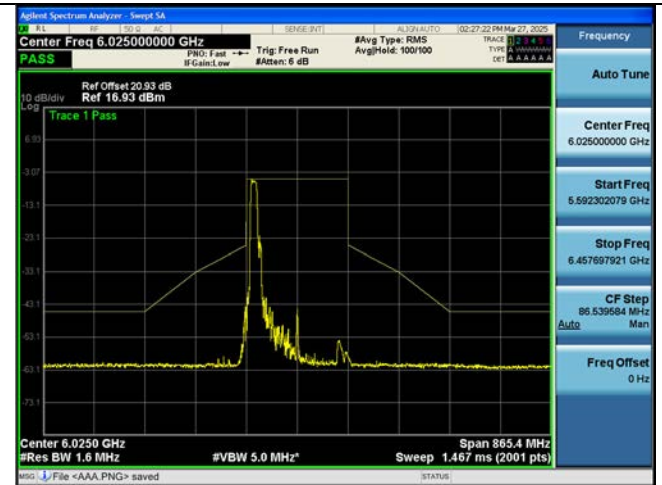
802.11be EHT80M Ch.151(6705 MHz) 484T+242T RU90



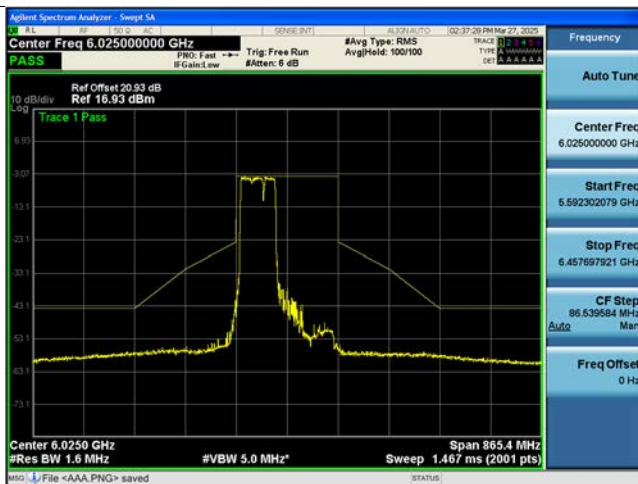
802.11be EHT160M Ch.15(6025 MHz) 52T+26T RU70



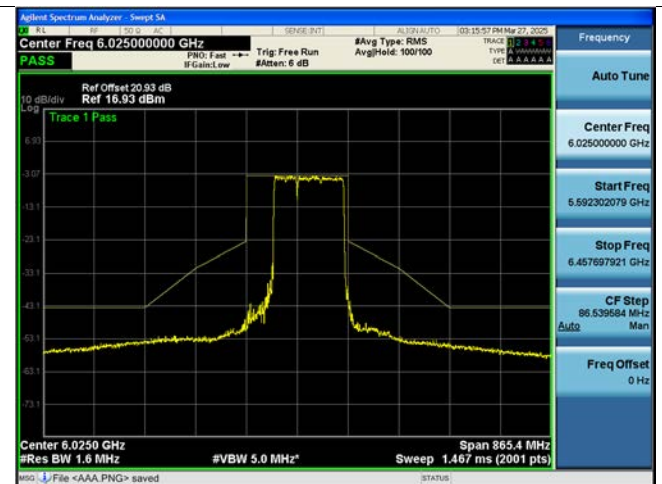
802.11be EHT160M Ch.15(6025 MHz) 106T+26T RU82



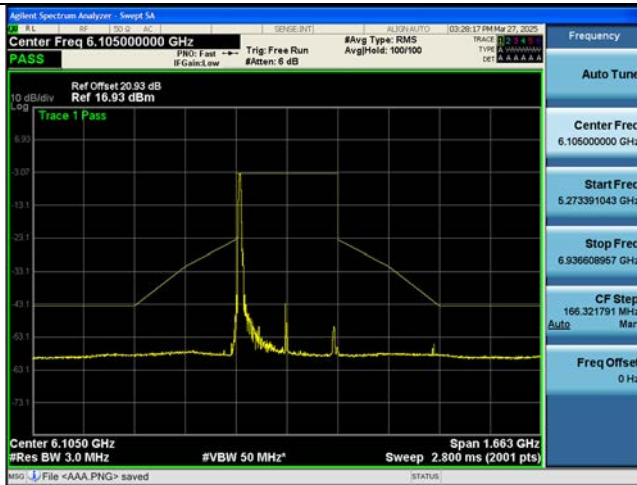
802.11be EHT160M Ch.15(6025 MHz) 484T+242T RU93



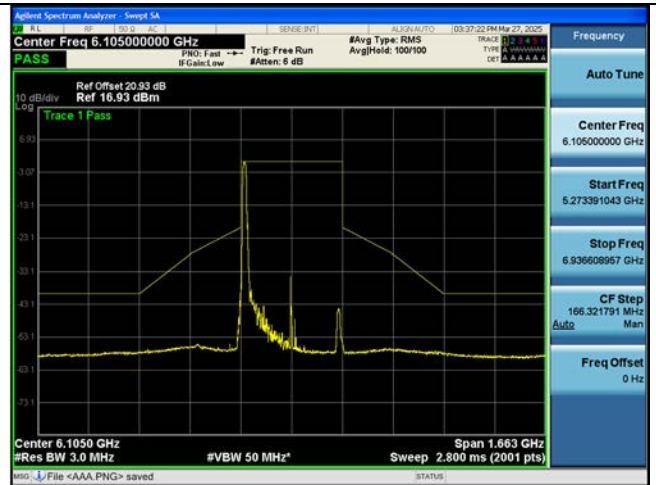
802.11be EHT160M Ch.15(6025 MHz) 996T+484T RU94



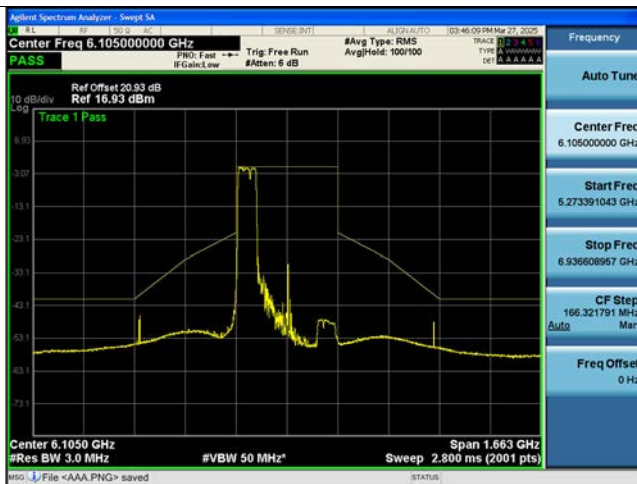
Bandwidth 320M, Ch. 31(6105 MHz) 52T+26T RU70



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



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



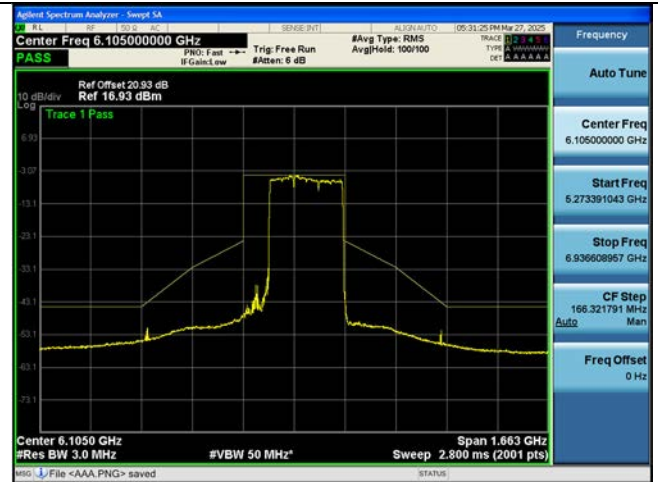
Bandwidth 320M, Ch. 31(6105 MHz) 996T+484T RU1095



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



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

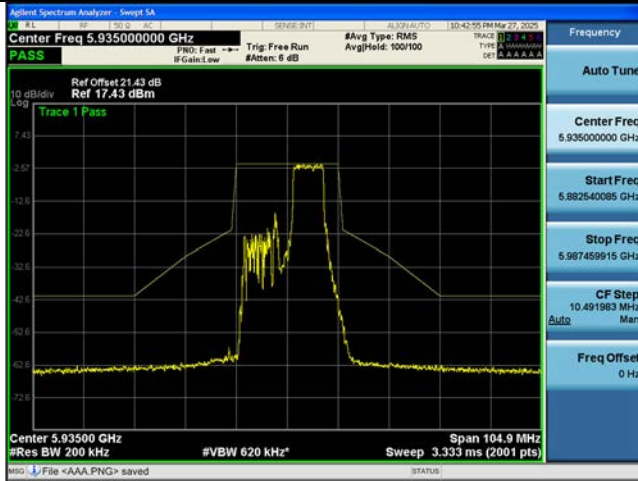


Bandwidth 320M, Ch. 31(6105 MHz) 3x996T+484T RU105

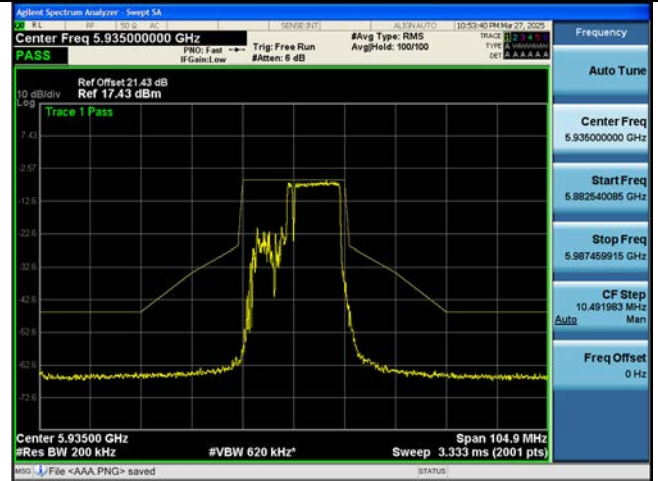


[Standard Client]
[Ant.1]

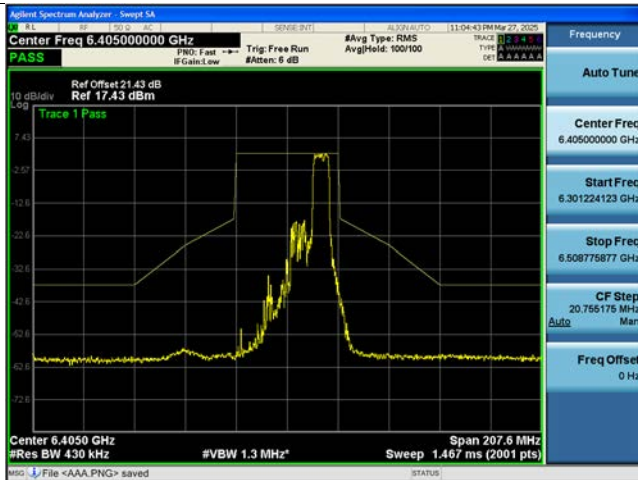
802.11be EHT20M Ch.2(5935 MHz) 52T+26T RU72



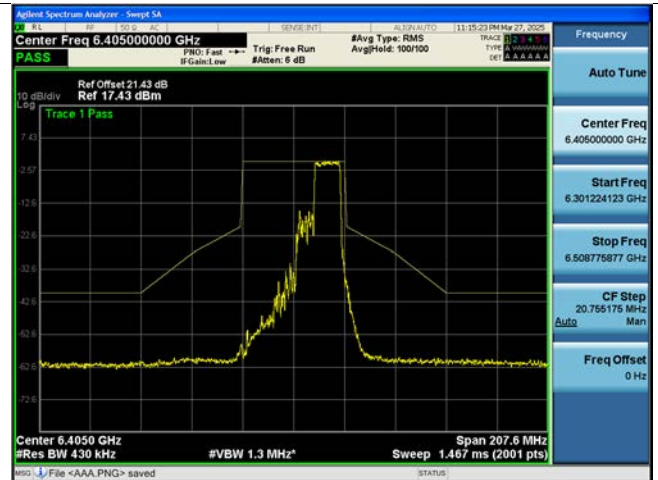
802.11be EHT20M Ch.2(5935 MHz) 106T+26T RU83



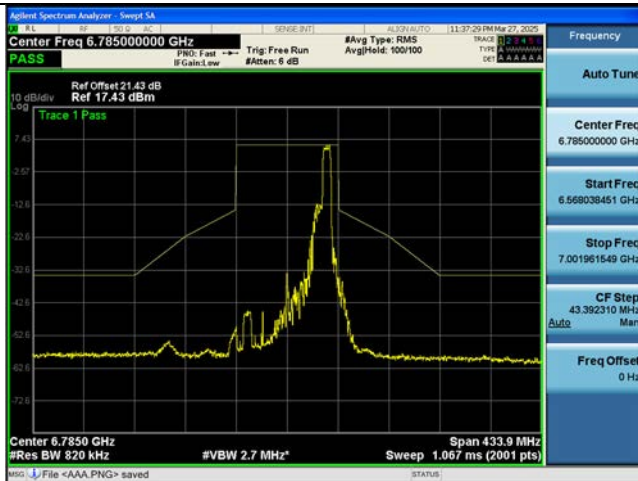
802.11be EHT40M Ch.91(6405 MHz) 52T+26T RU75



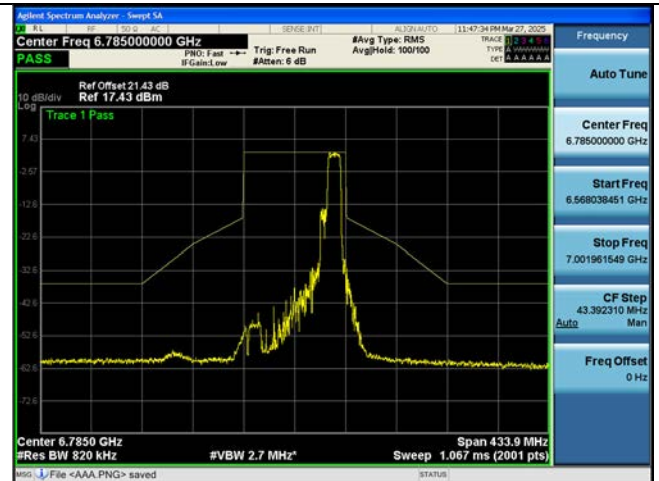
802.11be EHT40M Ch.91(6405 MHz) 106T+26T RU85



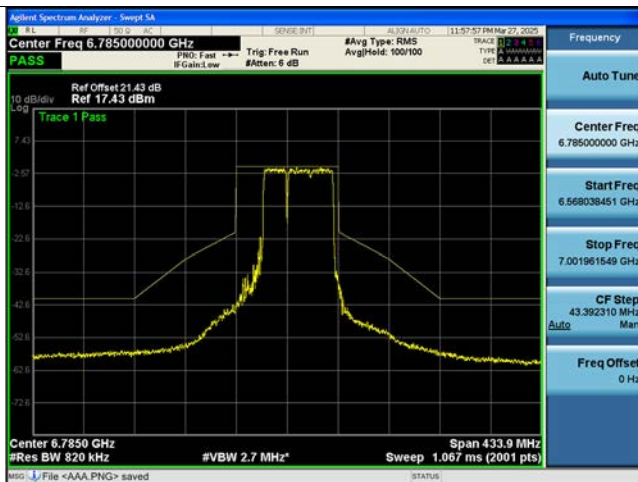
802.11be EHT80M Ch.167(6785 MHz) 52T+26T RU81



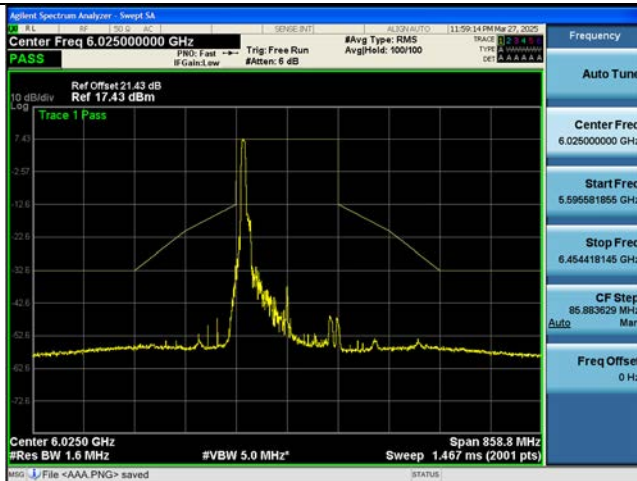
802.11be EHT80M Ch.167(6785 MHz) 106T+26T RU89



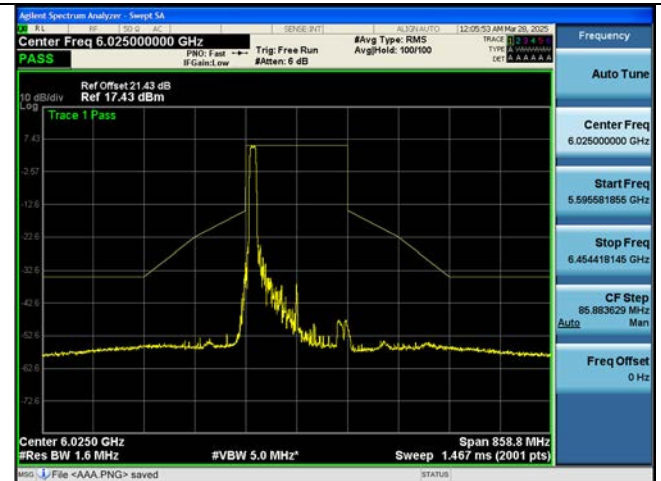
802.11be EHT80M Ch.167(6785 MHz) 484T+242T RU90



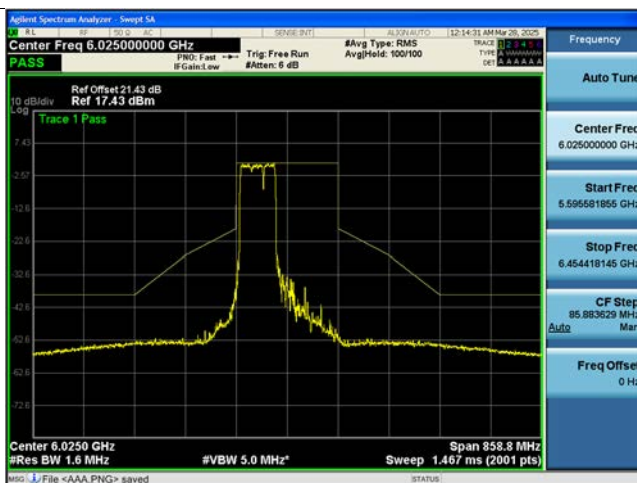
802.11be EHT160M Ch.15(6025 MHz) 52T+26T RU70



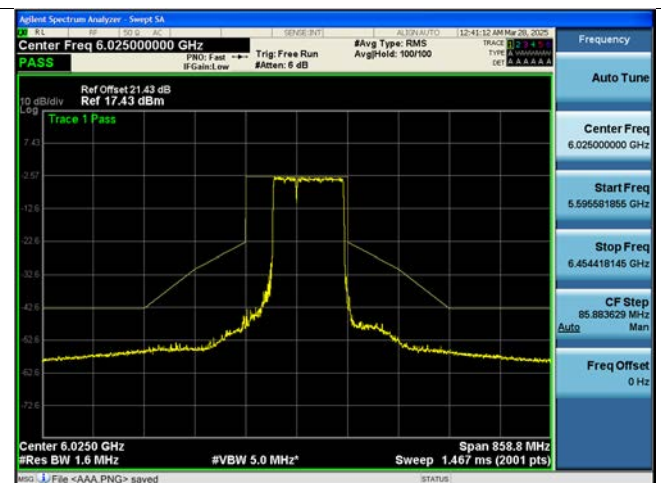
802.11be EHT160M Ch.15(6025 MHz) 106T+26T RU82



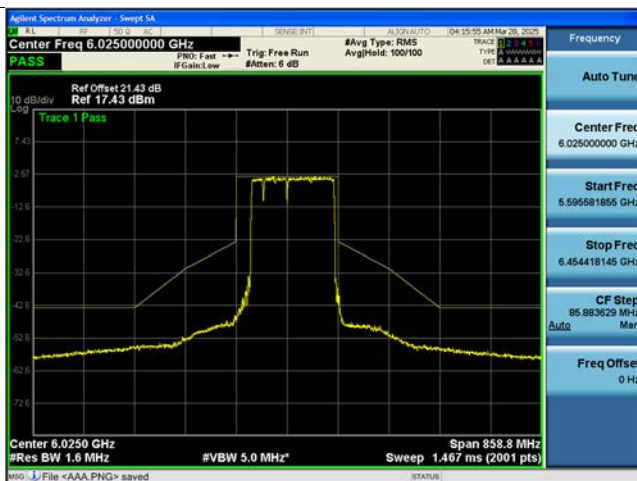
802.11be EHT160M Ch.15(6025 MHz) 484T+242T RU93



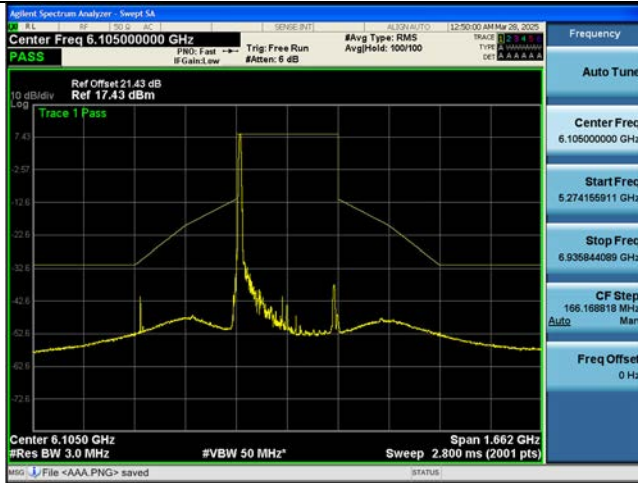
Bandwidth EHT160M, Ch.15(6025 MHz) 996T+484T RU94



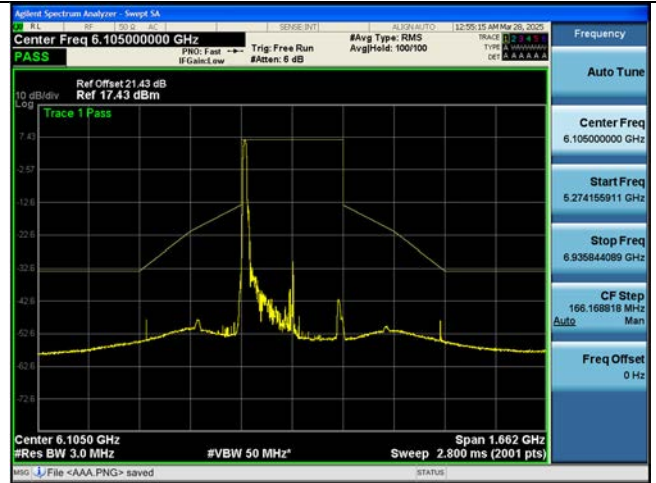
802.11be EHT160M Ch.15(6025 MHz) 996T+484T+242T RU96



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

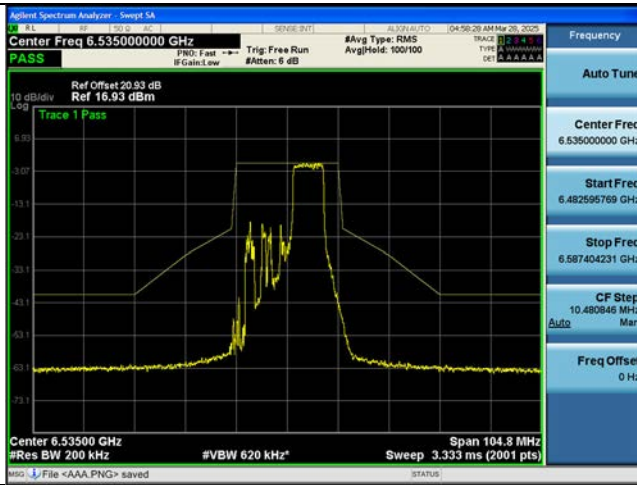


Bandwidth 320M, Ch. 31(6105 MHz) 3x996T+484T RU105

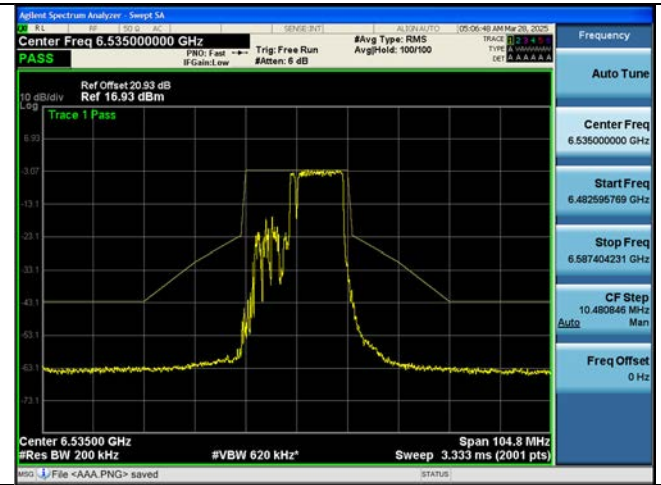


[Ant.2]

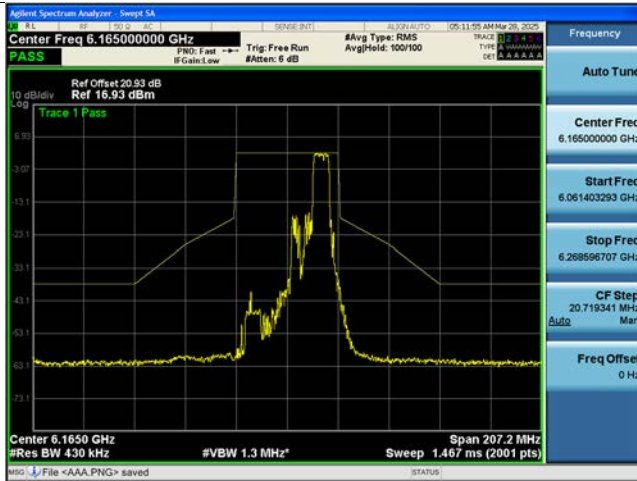
802.11be EHT20M Ch.117(6535 MHz) 52T+26T RU72



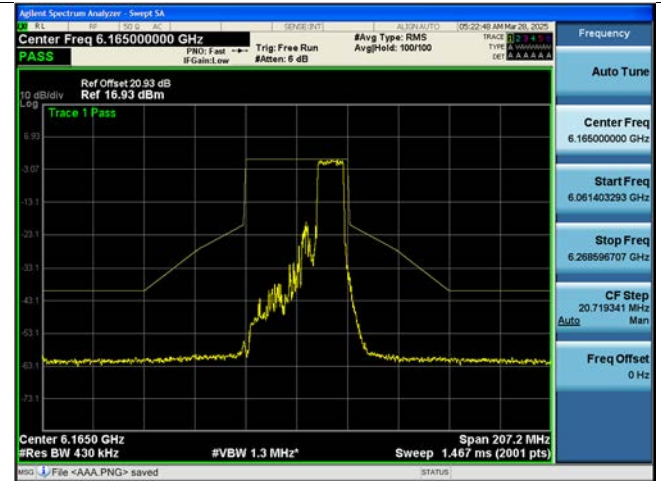
802.11be EHT20M Ch.117(6535 MHz) 106T+26T RU83



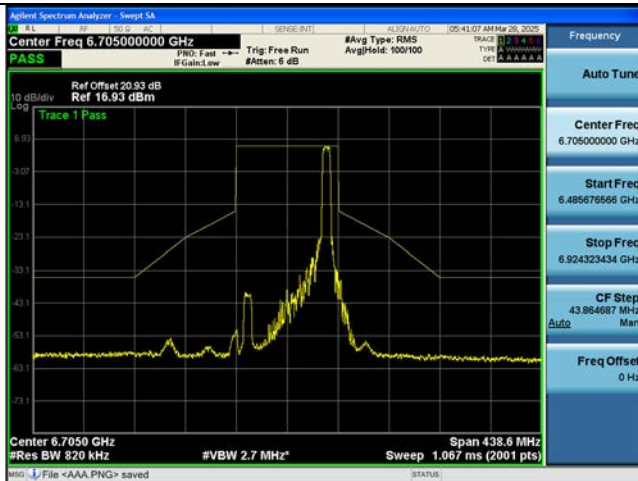
802.11be EHT40M Ch.43(6165 MHz) 52T+26T RU75



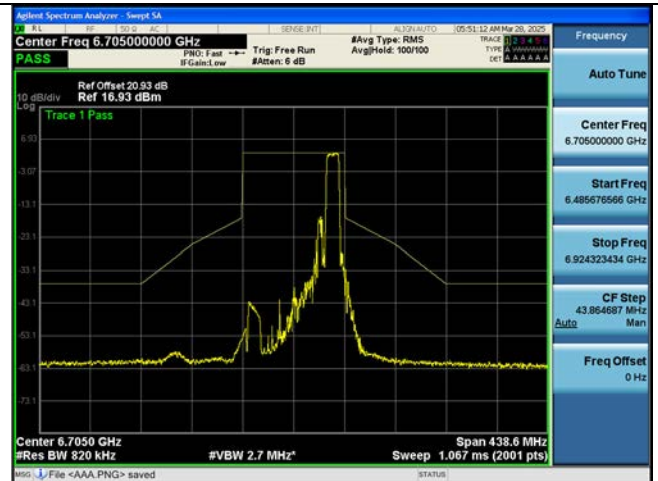
802.11be EHT40M Ch.43(6165 MHz) 106T+26T RU85



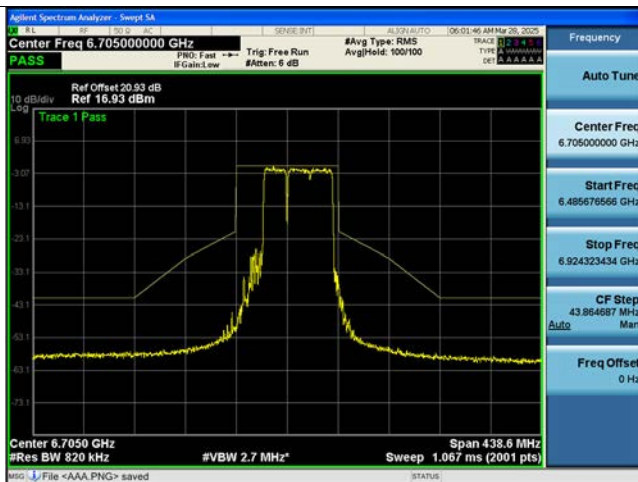
802.11be EHT80M Ch.151(6705 MHz) 52T+26T RU81



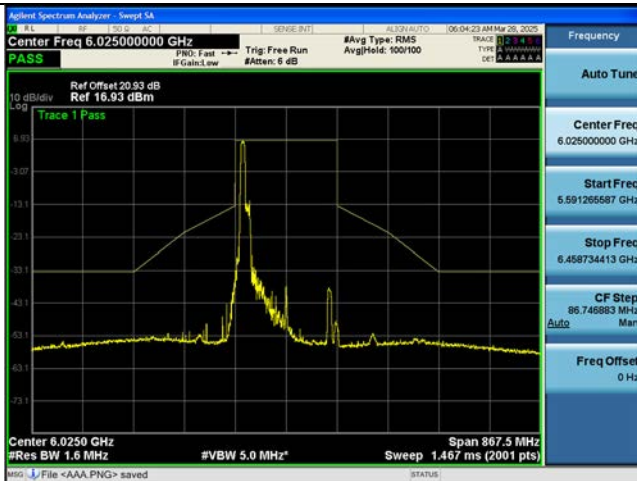
802.11be EHT80M Ch.151(6705 MHz) 106T+26T RU89



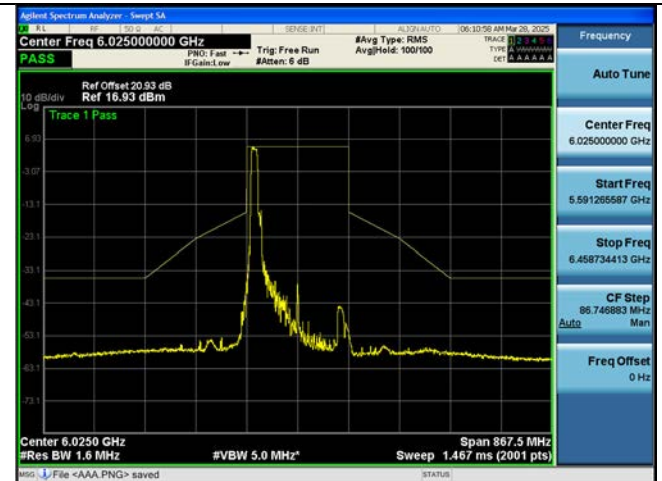
802.11be EHT80M Ch.151(6705 MHz) 484T+242T RU90



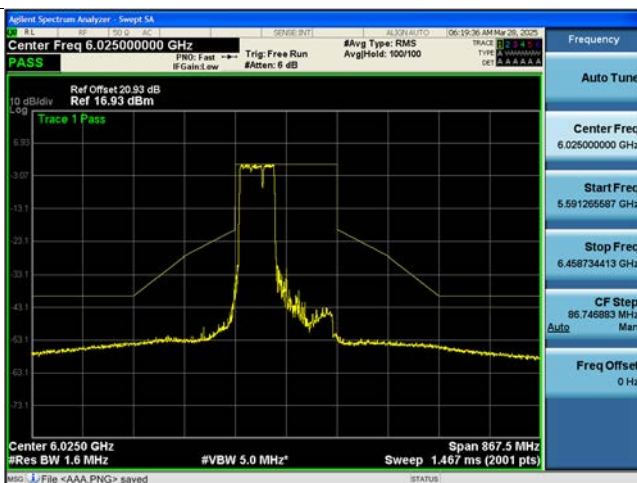
802.11be EHT160M Ch.15(6025 MHz) 52T+26T RU70



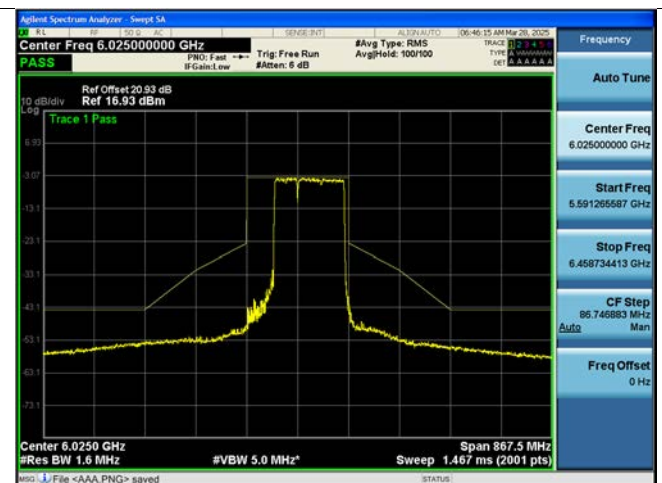
802.11be EHT160M Ch.15(6025 MHz) 106T+26T RU82



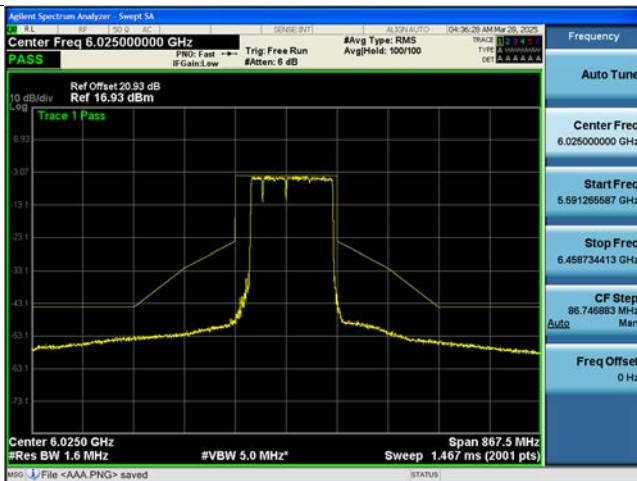
802.11be EHT160M Ch.15(6025 MHz) 484T+242T RU93



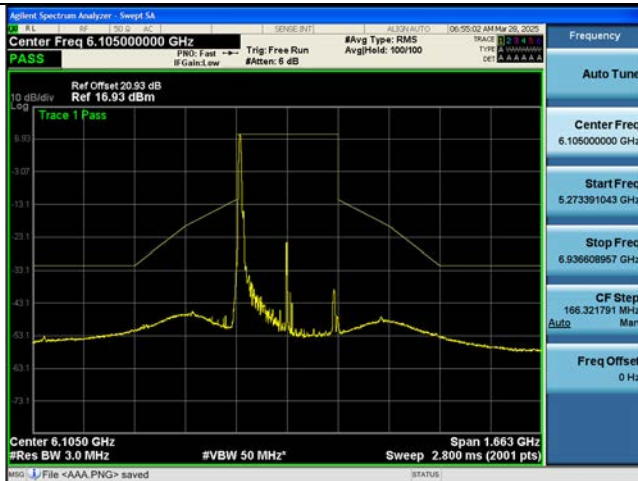
802.11be EHT160M Ch.15(6025 MHz) 996T+484T RU94



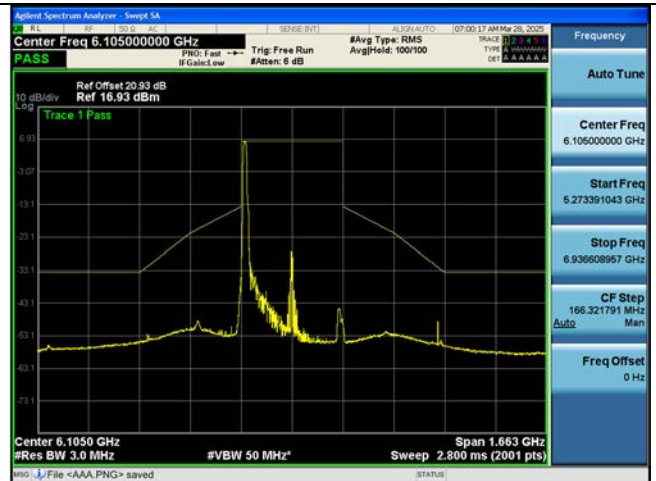
802.11be EHT160M Ch.15(6025 MHz) 996T+484T+242T RU96



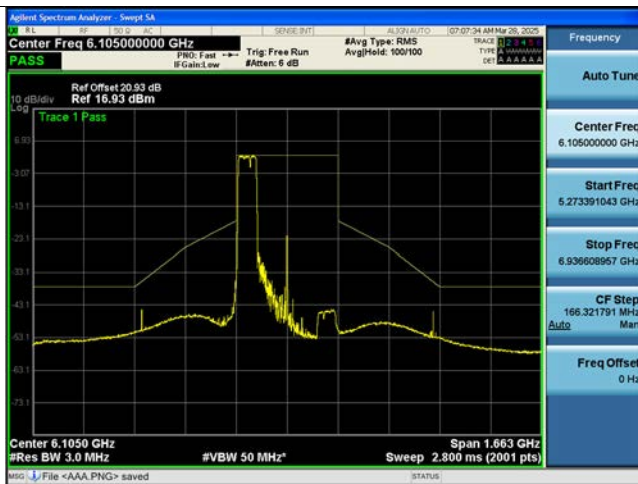
Bandwidth 320M, Ch. 31(6105 MHz) 52T+26T RU70



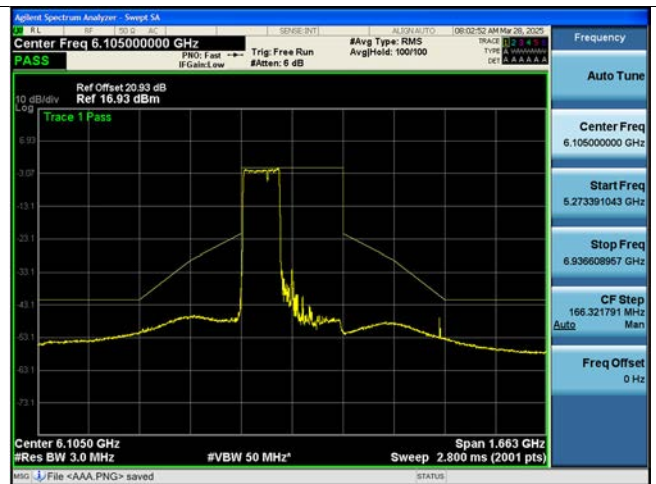
Bandwidth 320M, Ch. 31(6105 MHz) 106T+26T RU82



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

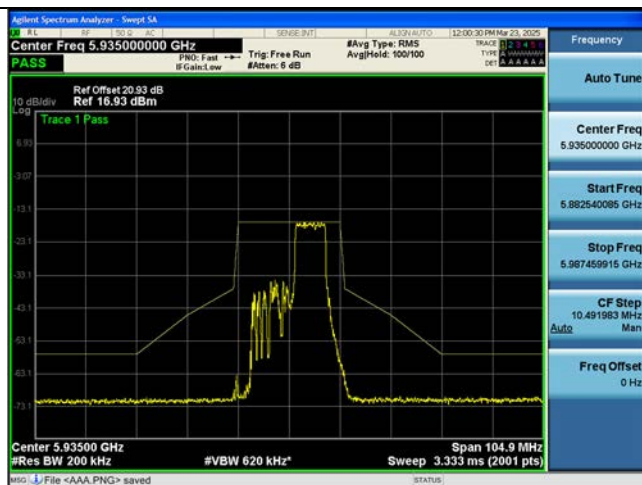


Bandwidth 320M, Ch. 31(6105 MHz) 3x996T+484T RU105

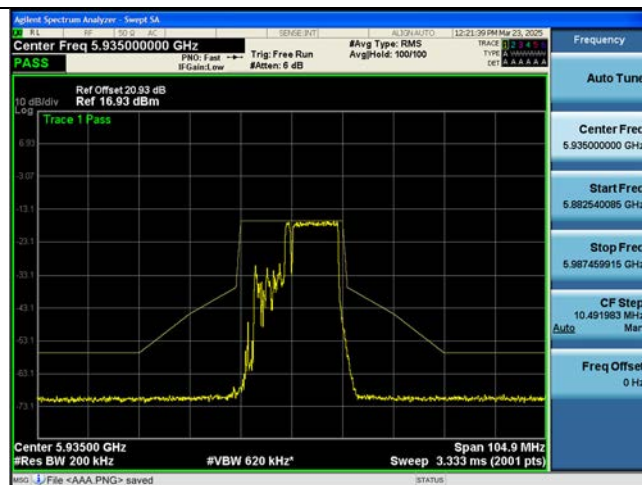


[Very Low Power Device]
[Ant.1]

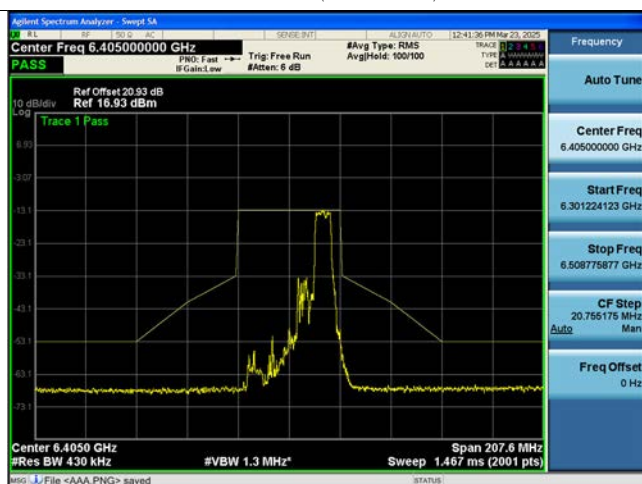
802.11be EHT20M Ch.2(5935 MHz) 52T+26T RU72



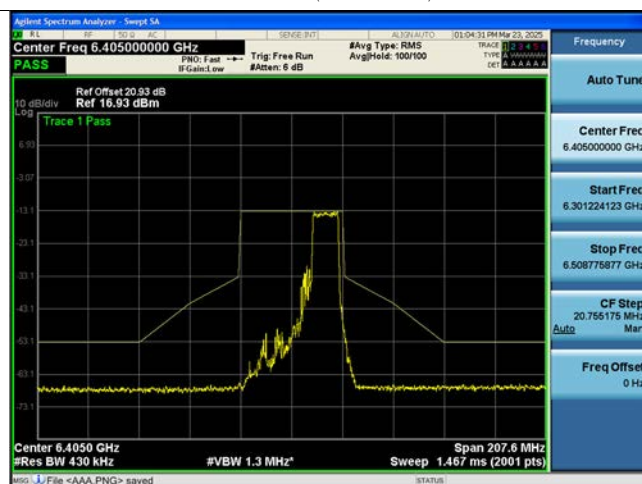
802.11be EHT20M Ch.2(5935 MHz) 106T+26T RU83



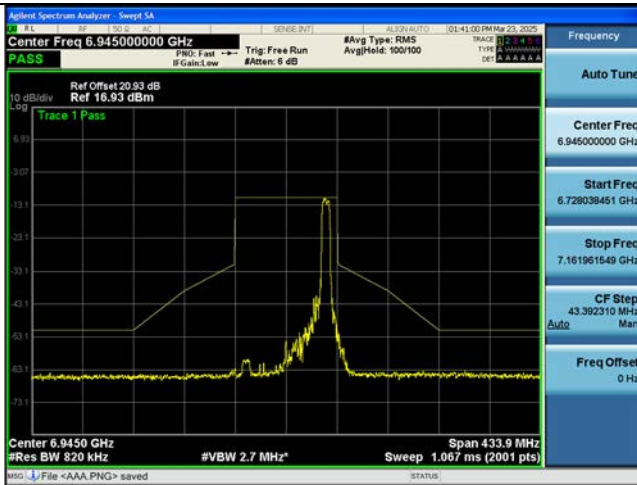
802.11be EHT40M Ch.91(6405 MHz) 52T+26T RU75



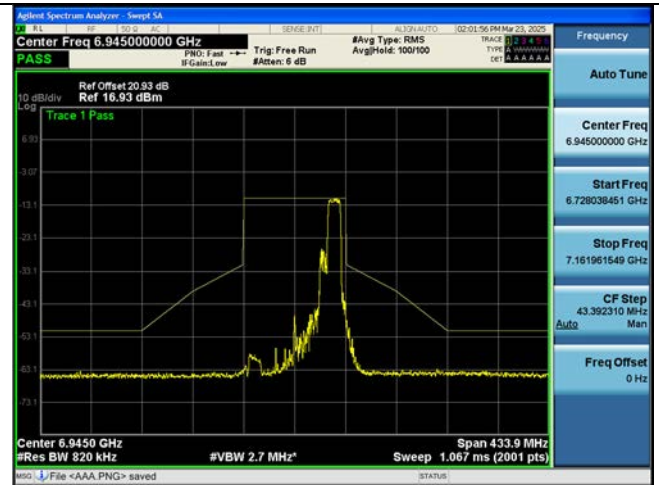
802.11be EHT40M Ch.91(6405 MHz) 106T+26T RU85



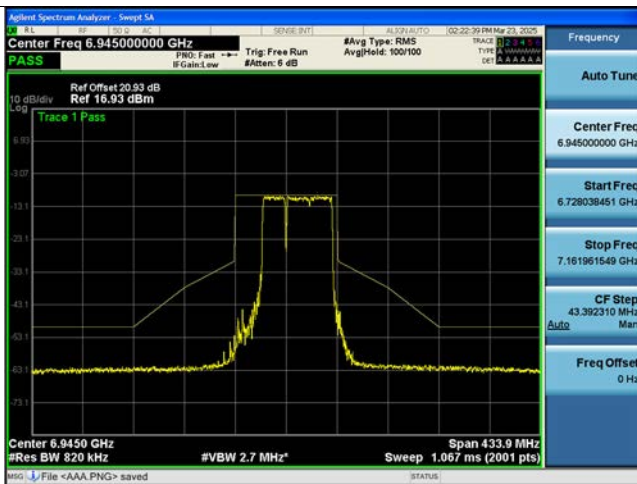
802.11be EHT80M Ch.199(6945 MHz) 52T+26T RU81



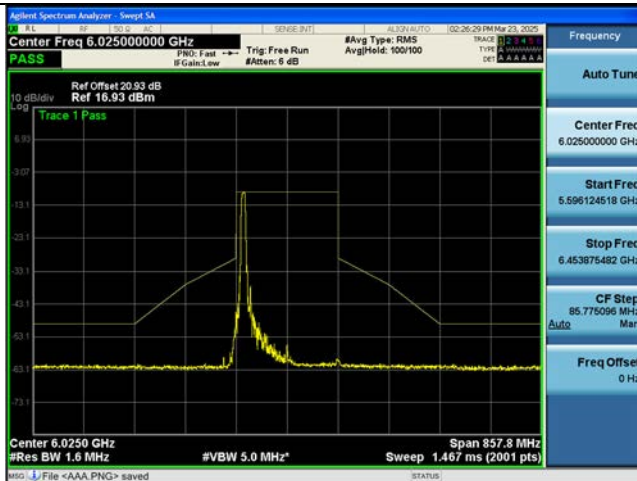
802.11be EHT80M Ch.199(6945 MHz) 106T+26T RU89



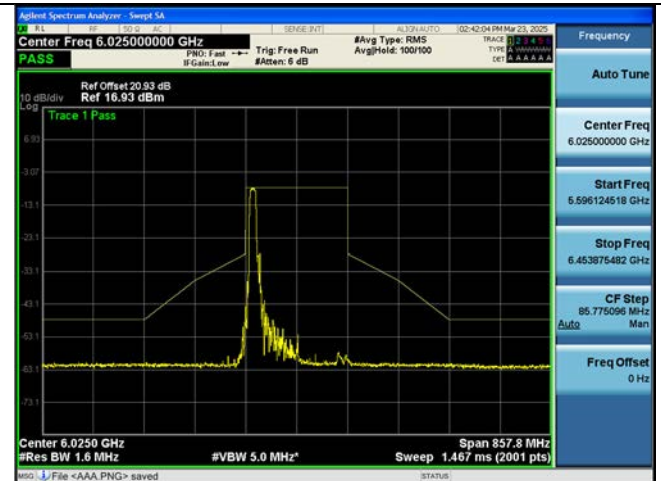
802.11be EHT80M Ch.199(6945 MHz) 484T+242T RU90



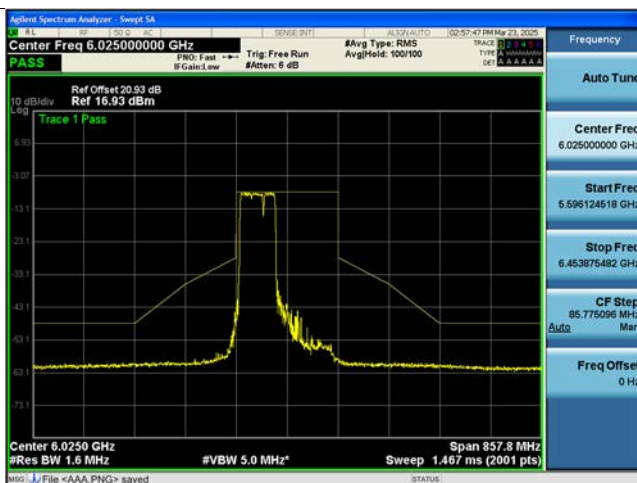
802.11be EHT160M Ch.15(6025 MHz) 52T+26T RU70



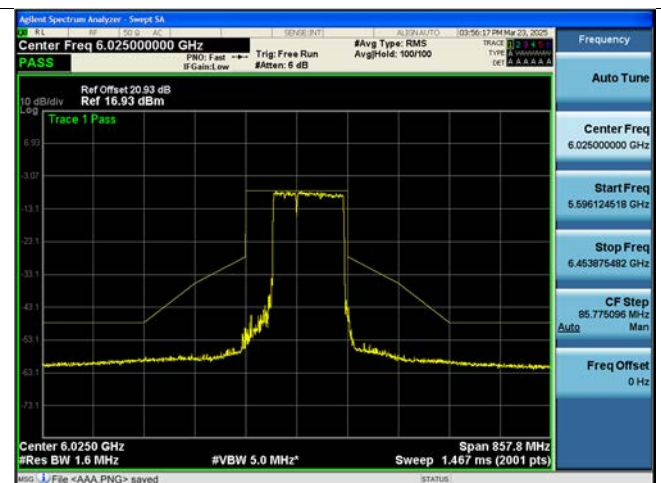
802.11be EHT160M Ch.15(6025 MHz) 106T+26T RU82



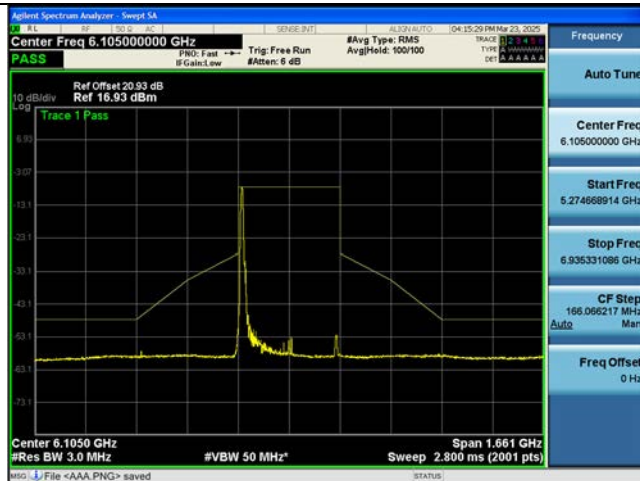
802.11be EHT160M Ch.15(6025 MHz) 484T+242T RU93



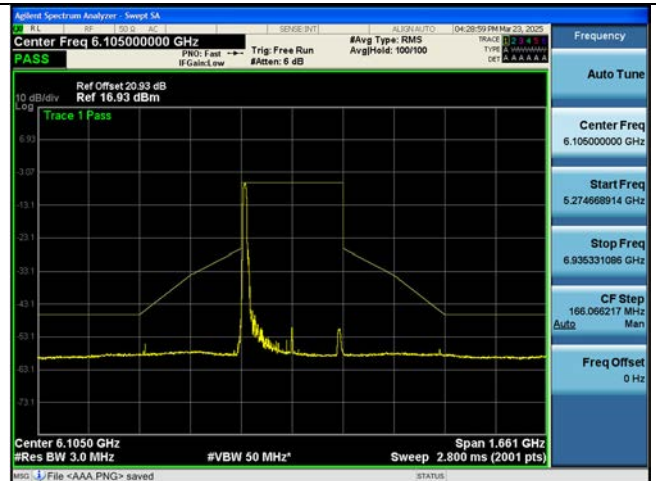
Bandwidth EHT160M, Ch.15(6025 MHz) 996T+484T RU94



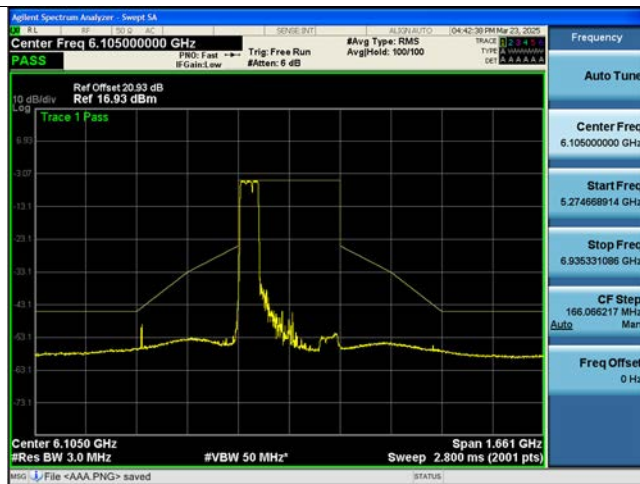
Bandwidth 320M, Ch. 31(6105 MHz) 52T+26T RU70



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]

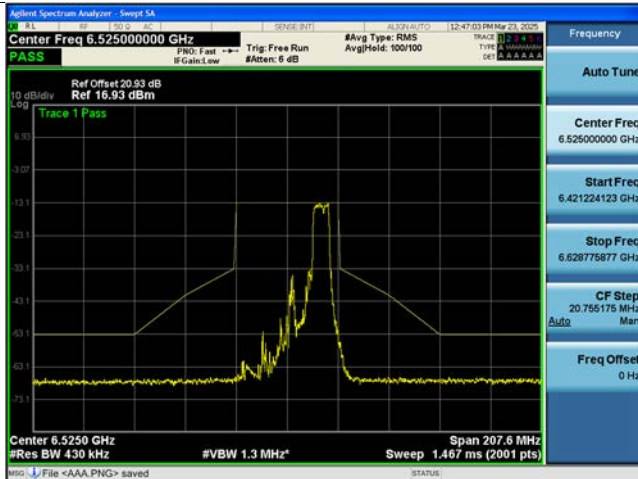
802.11be EHT20M Ch.97(6435 MHz) 52T+26T RU72



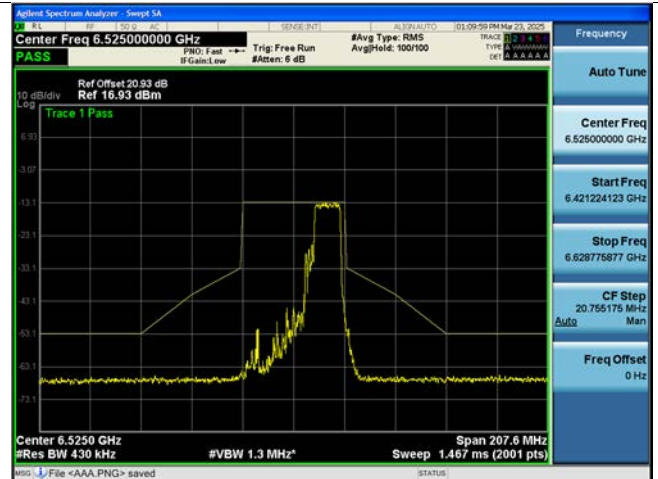
802.11be EHT20M Ch.97(6435 MHz) 106T+26T RU83



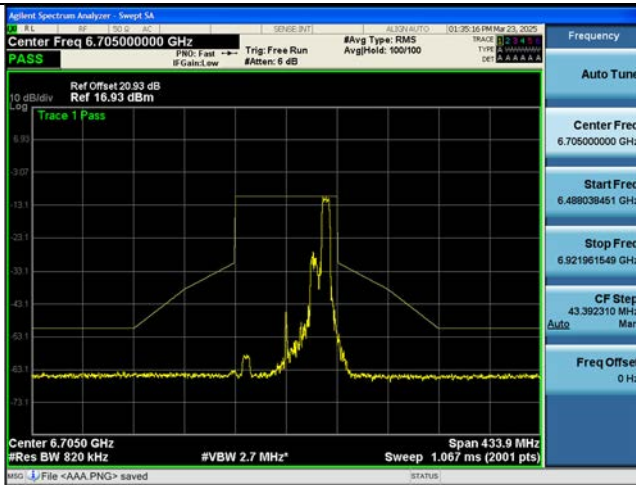
802.11be EHT40M Ch.115(6525 MHz) 52T+26T RU75



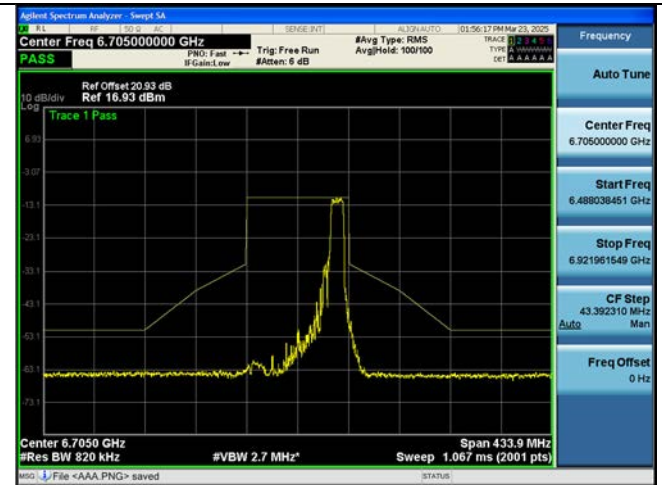
802.11be EHT40M Ch.115(6525 MHz) 106T+26T RU85



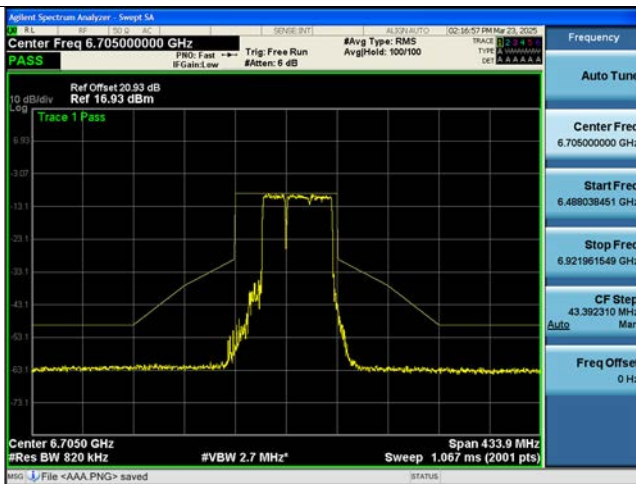
802.11be EHT80M Ch.151(6705 MHz) 52T+26T RU81



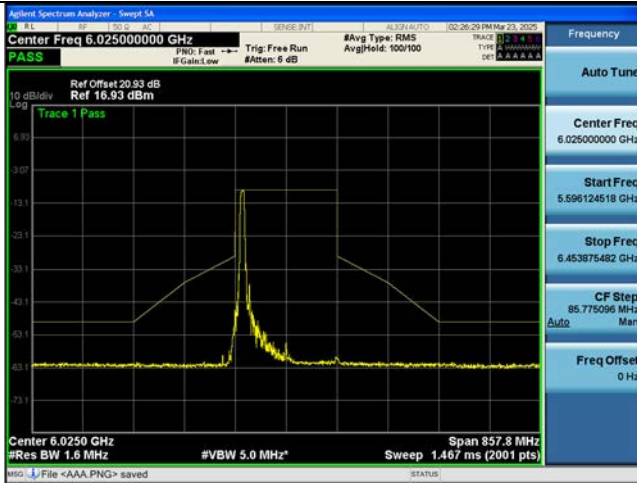
802.11be EHT80M Ch.151(6705 MHz) 106T+26T RU89



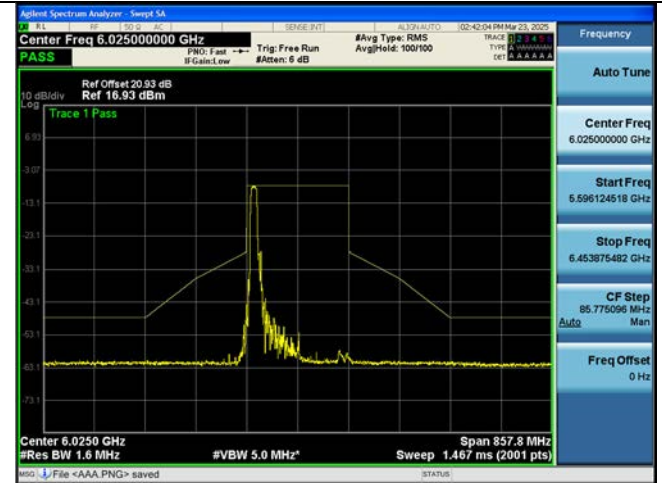
802.11be EHT80M Ch.151(6705 MHz) 484T+242T RU90



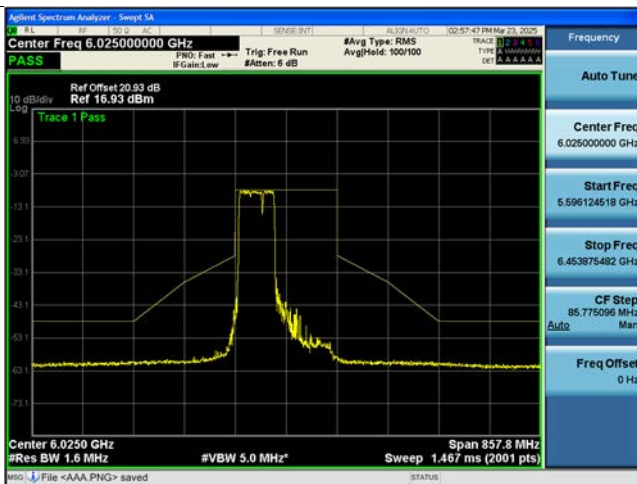
802.11be EHT160M Ch.15(6025 MHz) 52T+26T RU70



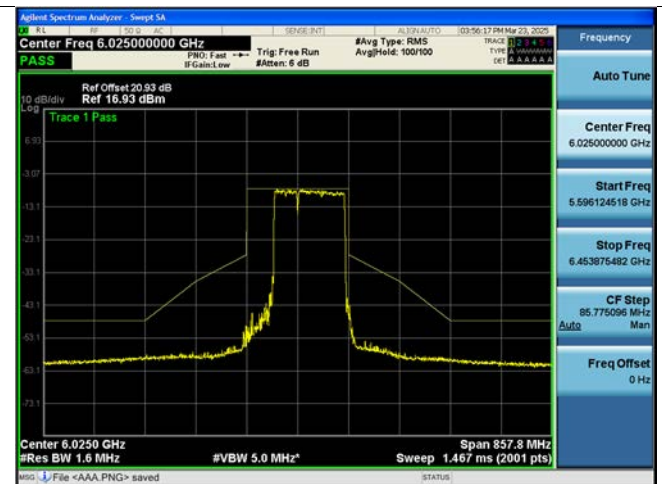
802.11be EHT160M Ch.15(6025 MHz) 106T+26T RU82



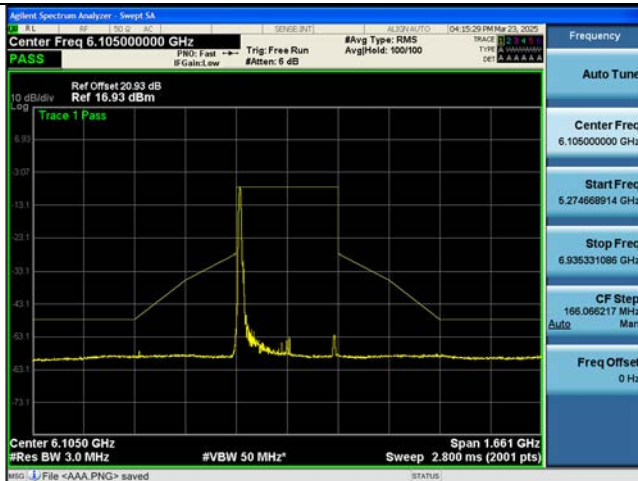
802.11be EHT160M Ch.15(6025 MHz) 484T+242T RU93



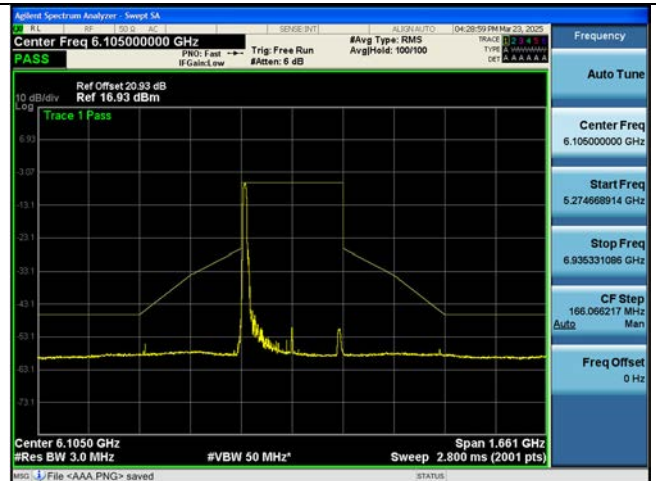
802.11be EHT160M Ch.15(6025 MHz) 996T+484T RU94



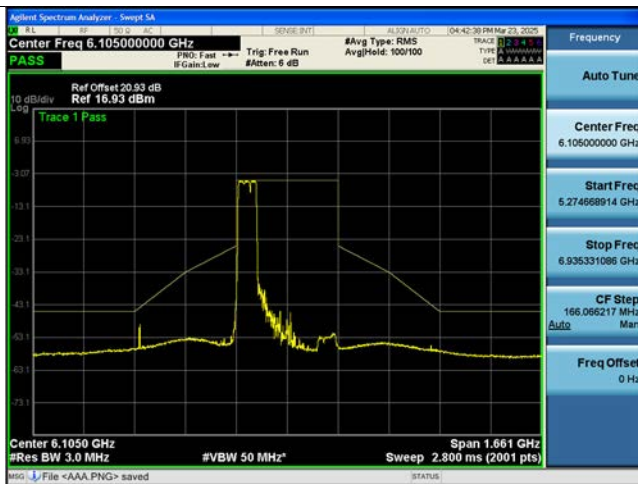
Bandwidth 320M, Ch. 31(6105 MHz) 52T+26T RU70



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



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



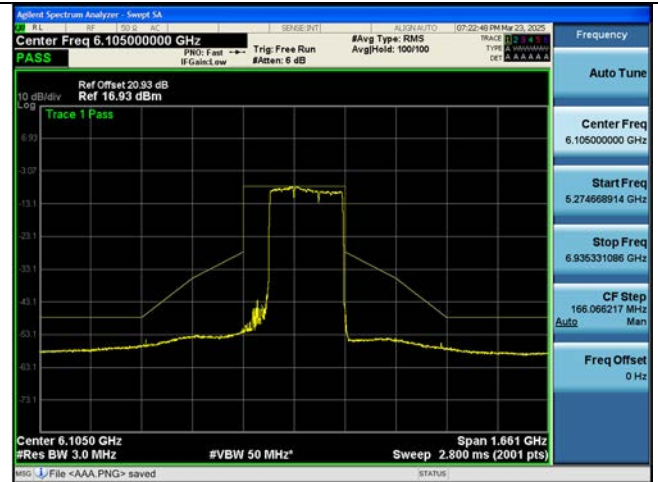
Bandwidth 320M, Ch. 31(6105 MHz) 996T+484T RU1095



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. Bandwidth reduction is used to avoid interference with incumbents.
5. This device only punctures to optimize network performance, not to avoid licensed incumbents.

Band	Ant Minimum Gain (dBi)
UNII-5	6135 MHz: -11.19
	6110 MHz: -10.64
	6265 MHz: -11.50
	6420 MHz: -10.35
UNII-6	6455 MHz: -11.50
	6270 MHz: -10.35
	6425 MHz: -11.50
	6580 MHz: -10.67
UNII-7	6615 MHz: -10.67
	6430 MHz: -11.50
	6585 MHz: -10.67
	6740 MHz: -11.48
UNII-8	6935 MHz: -11.42
	6750 MHz: -11.48
	6905 MHz: -11.42
	7060 MHz: -10.50

- 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	-79.09	-11.19	-67.90	-62.00	5.90	Ceased
				-79.84	-11.19	-68.65	-62.00	6.65	Minimal
				-80.78	-11.19	-69.59	-62.00	7.59	Normal
	EHT320	63	6110	-76.79	-10.64	-66.15	-62.00	4.15	Ceased
				-77.54	-10.64	-66.90	-62.00	4.90	Minimal
				-78.39	-10.64	-67.75	-62.00	5.75	Normal
		63	6265	-74.10	-11.50	-62.60	-62.00	0.60	Ceased
				-75.01	-11.50	-63.51	-62.00	1.51	Minimal
				-75.83	-11.50	-64.33	-62.00	2.33	Normal
		63	6420	-75.93	-10.35	-65.58	-62.00	3.58	Ceased
				-76.77	-10.35	-66.42	-62.00	4.42	Minimal
				-77.58	-10.35	-67.23	-62.00	5.23	Normal
UNII 6	EHT20	101	6455	-76.90	-11.50	-65.40	-62.00	3.40	Ceased
				-77.85	-11.50	-66.35	-62.00	4.35	Minimal
				-78.61	-11.50	-67.11	-62.00	5.11	Normal
	EHT320	95	6270	-76.34	-10.35	-65.99	-62.00	3.99	Ceased
				-77.24	-10.35	-66.89	-62.00	4.89	Minimal
				-78.10	-10.35	-67.75	-62.00	5.75	Normal
		95	6425	-75.21	-11.50	-63.71	-62.00	1.71	Ceased
				-76.13	-11.50	-64.63	-62.00	2.63	Minimal
				-76.98	-11.50	-65.48	-62.00	3.48	Normal
		95	6580	-76.62	-10.67	-65.95	-62.00	3.95	Ceased
				-77.34	-10.67	-66.67	-62.00	4.67	Minimal
				-78.16	-10.67	-67.49	-62.00	5.49	Normal
UNII 7	EHT20	133	6615	-78.20	-10.67	-67.53	-62.00	5.53	Ceased
				-79.05	-10.67	-68.38	-62.00	6.38	Minimal
				-79.96	-10.67	-69.29	-62.00	7.29	Normal
	EHT320	127	6430	-76.26	-11.50	-64.76	-62.00	2.76	Ceased
				-77.12	-11.50	-65.62	-62.00	3.62	Minimal
				-77.88	-11.50	-66.38	-62.00	4.38	Normal
		127	6585	-75.24	-10.67	-64.57	-62.00	2.57	Ceased
				-76.39	-10.67	-65.72	-62.00	3.72	Minimal
				-77.27	-10.67	-66.60	-62.00	4.60	Normal
		127	6740	-75.35	-11.48	-63.87	-62.00	1.87	Ceased
				-76.21	-11.48	-64.73	-62.00	2.73	Minimal
				-77.00	-11.48	-65.52	-62.00	3.52	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	EHT20	197	6935	-78.28	-11.42	-66.86	-62.00	4.86	Ceased
				-79.11	-11.48	-67.69	-62.00	5.69	Minimal
				-79.92	-11.48	-68.50	-62.00	6.50	Normal
	EHT320	191	6750	-77.02	-11.48	-65.54	-62.00	3.54	Ceased
				-77.88	-11.48	-66.40	-62.00	4.40	Minimal
				-78.59	-11.48	-67.11	-62.00	5.11	Normal
			6905	-74.63	-11.42	-63.21	-62.00	1.21	Ceased
				-75.36	-11.42	-63.94	-62.00	1.94	Minimal
				-76.28	-11.42	-64.86	-62.00	2.86	Normal
			7060	-75.58	-10.50	-65.08	-62.00	3.08	Ceased
				-76.26	-10.50	-65.76	-62.00	3.76	Minimal
				-77.14	-10.50	-66.64	-62.00	4.64	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

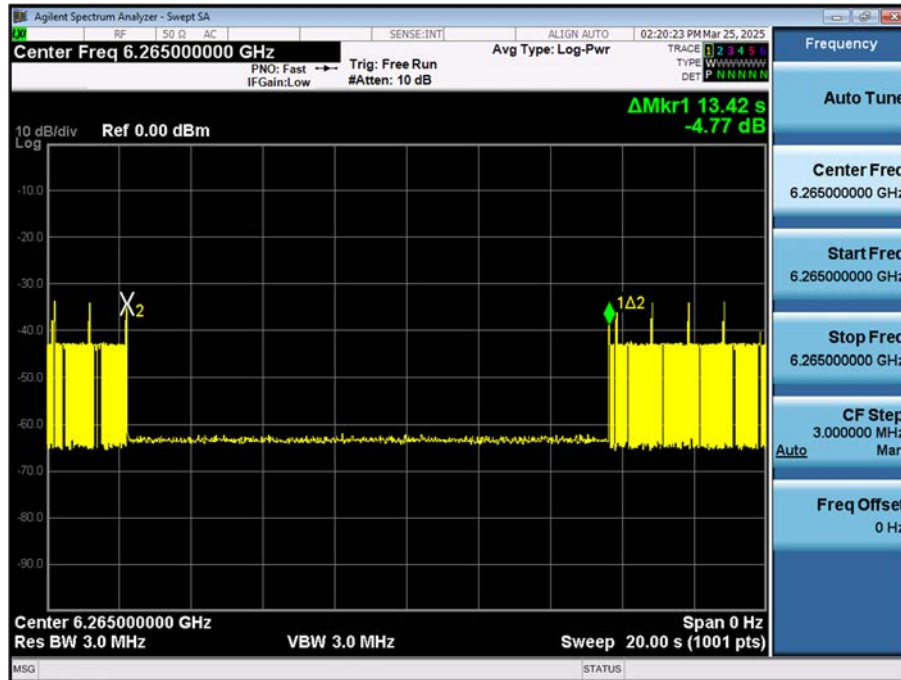
Band	BW	Channel No.	Center Frequency (MHz)	Incumbent Frequency (MHz)	Adjusted Power [dBm]	1	2	3	4	5	6	7	8	9	10	AWGN Detection Probability (%)	Limit Probability (%)
UNII 5	EHT20	37	6135	6135	-67.90	o	o	o	o	o	o	o	o	o	o	100	90
	EHT320	31	6265	6110	-66.15	o	o	o	o	o	o	o	o	o	o	100	90
				6265	-62.60	o	o	o	o	o	o	o	o	o	o	100	90
				6420	-65.58	o	o	o	o	o	o	o	o	o	o	100	90
UNII 6	EHT20	101	6455	6455	-65.40	o	o	o	o	o	o	o	o	o	o	100	90
	EHT320	95	6425	6270	-65.99	o	o	o	o	o	o	o	o	o	o	100	90
				6425	-63.71	o	o	o	o	o	o	o	o	o	o	100	90
				6580	-65.95	o	o	o	o	o	o	o	o	o	o	100	90
UNII 7	EHT20	133	6615	6615	-67.53	o	o	o	o	o	o	o	o	o	o	100	90
	EHT320	127	6585	6430	-64.76	o	o	o	o	o	o	o	o	o	o	100	90
				6585	-64.57	o	o	o	o	o	o	o	o	o	o	100	90
				6740	-63.87	o	o	o	o	o	o	o	o	o	o	100	90
UNII 8	EHT20	197	6935	6935	-66.86	o	o	o	o	o	o	o	o	o	o	100	90
	EHT320	191	6905	6750	-65.54	o	o	o	o	o	o	o	o	o	o	100	90
				6905	-63.21	o	o	o	o	o	o	o	o	o	o	100	90
				7060	-65.08	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.63(6265 MHz) Incumbent signal (Ceased)



Note :

Marker 2 : AWGN Signal On

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

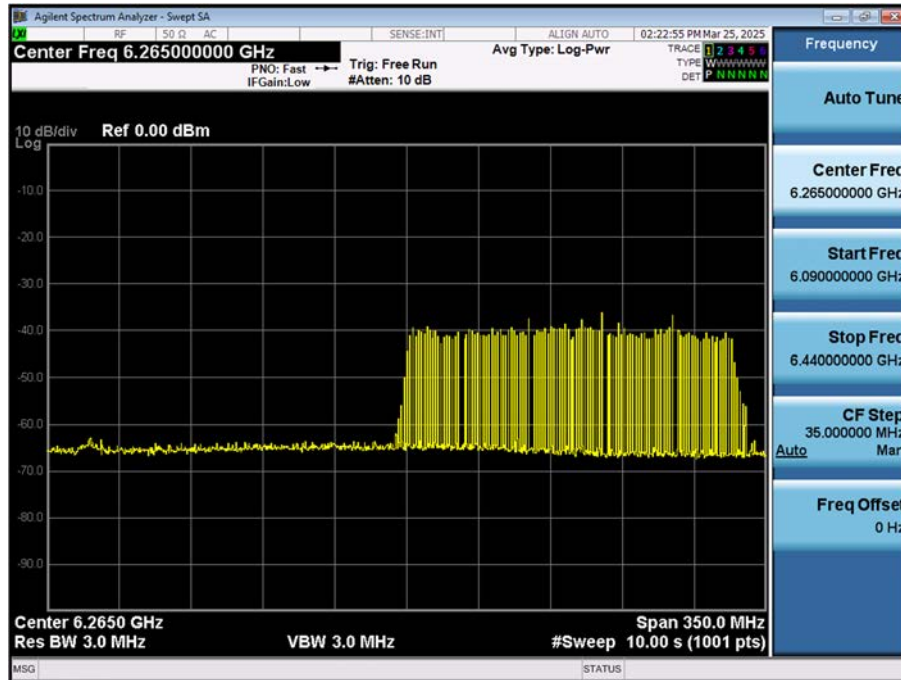
802.11be EHT320 Ch.63(6265 MHz) Detection Level



Bandwidth reduction plot (AWGN injected at low end)

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

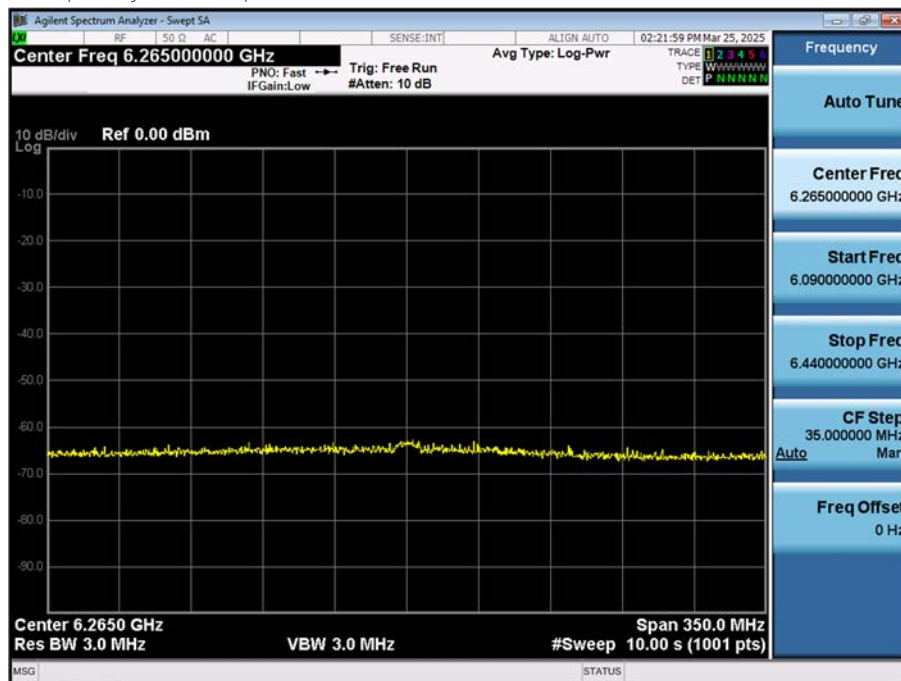
When a signal is applied at 6110 MHz, the channel at 6110 MHz and its adjacent channels become deactivated



Bandwidth reduction plot (AWGN injected at center)

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

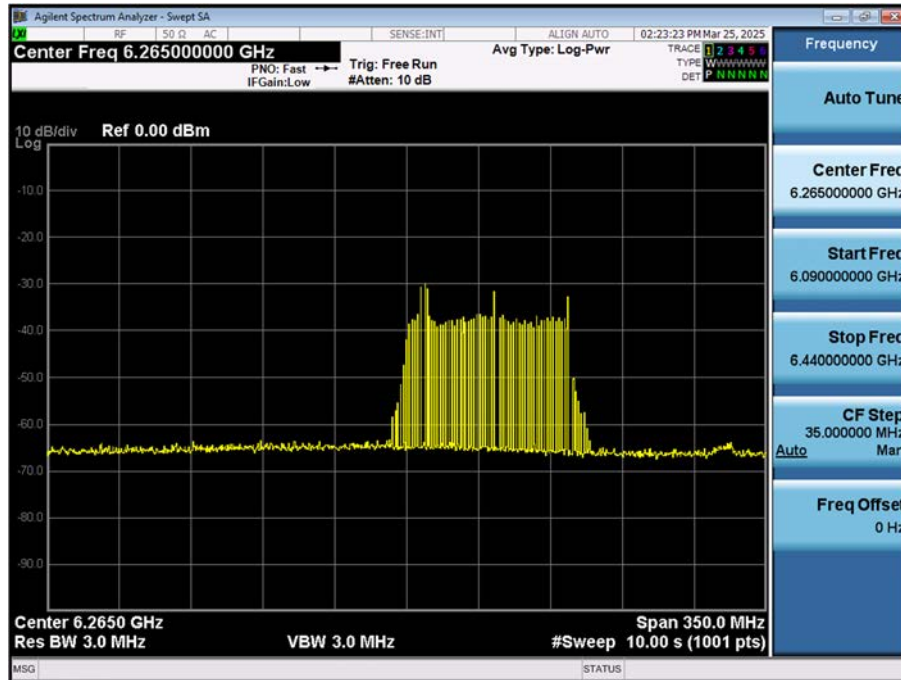
The channel completely ceases operation.



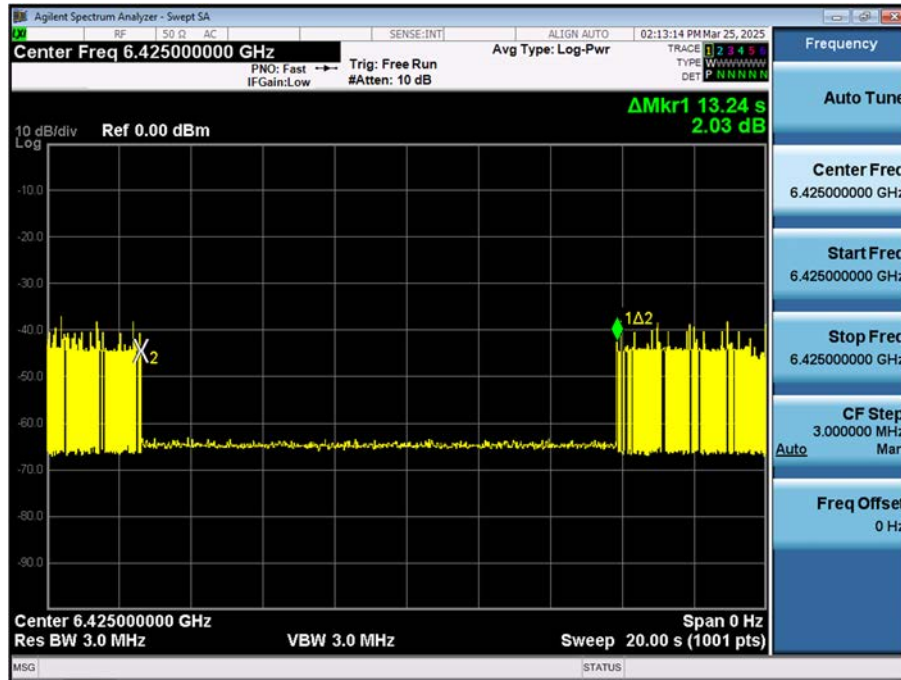
Bandwidth reduction plot (AWGN injected at high end)

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

When a signal is applied at 6420 MHz, the channel at 6420 MHz and its adjacent channels become deactivated



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



Note :

Marker 2 : AWGN Signal On

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

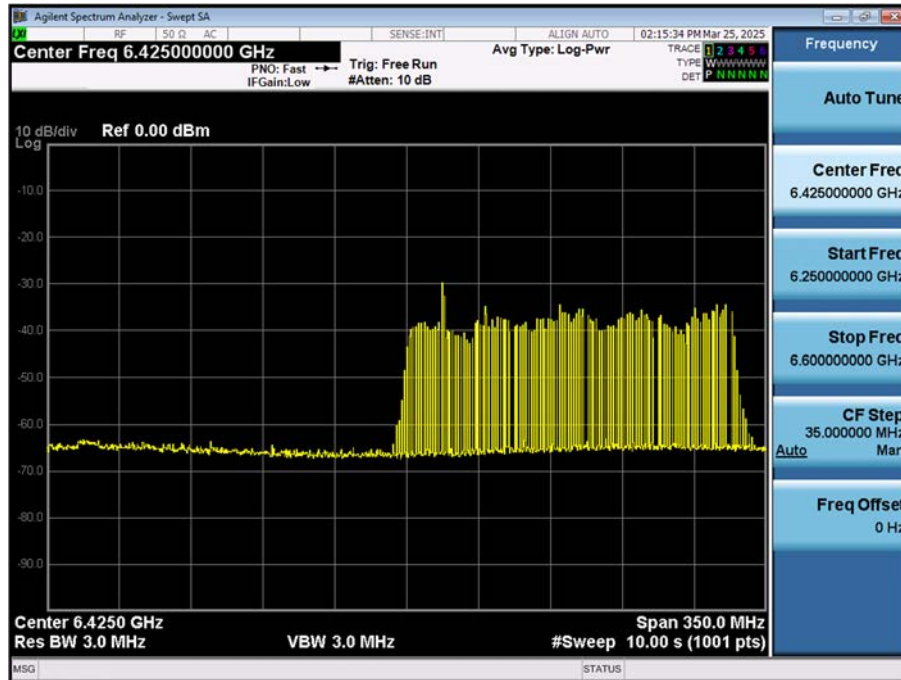
802.11be EHT320 Ch.95(6425 MHz) Detection Level



Bandwidth reduction plot (AWGN injected at low end)

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

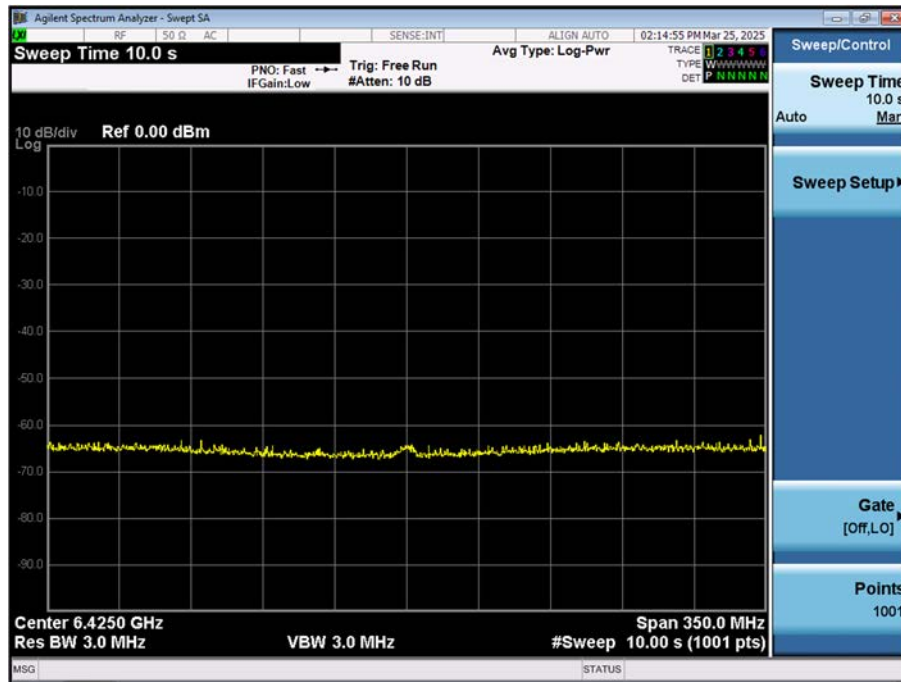
When a signal is applied at 6270 MHz, the channel at 6270 MHz and its adjacent channels become deactivated



Bandwidth reduction plot (AWGN injected at center)

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

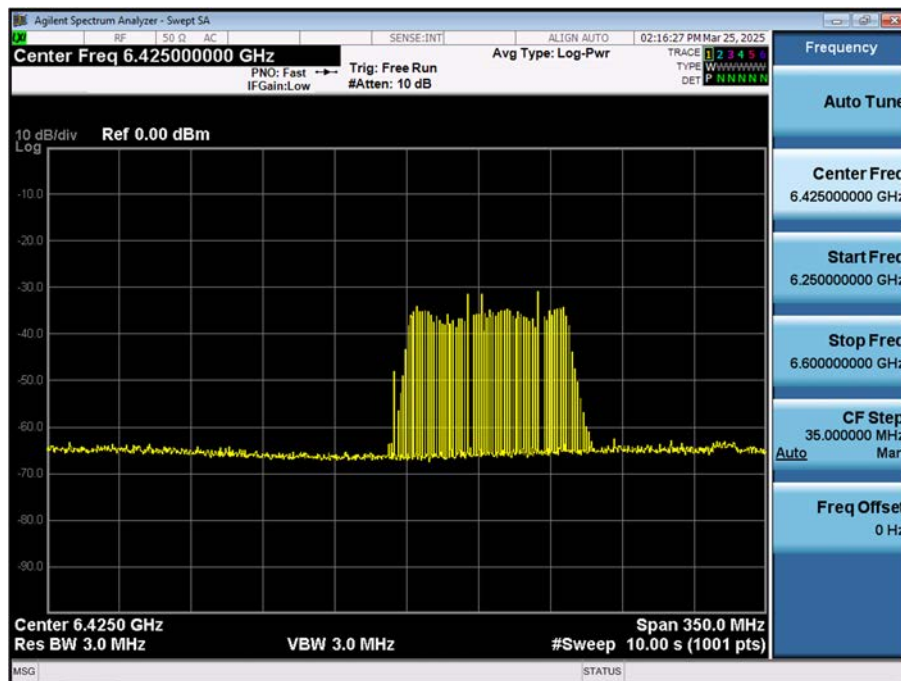
The channel completely ceases operation.



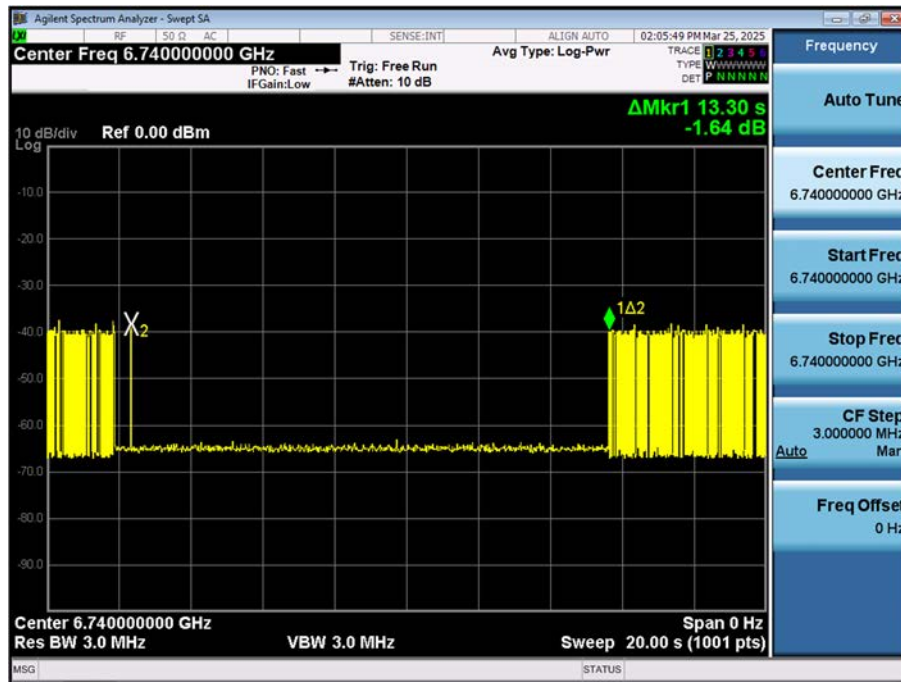
Bandwidth reduction plot (AWGN injected at high end)

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

When a signal is applied at 6580 MHz, the channel at 6580 MHz and its adjacent channels become deactivated



802.11be EHT320 Ch.127(6740 MHz) Incumbent signal (Ceased)



Note :

Marker 2 : AWGN Signal On

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

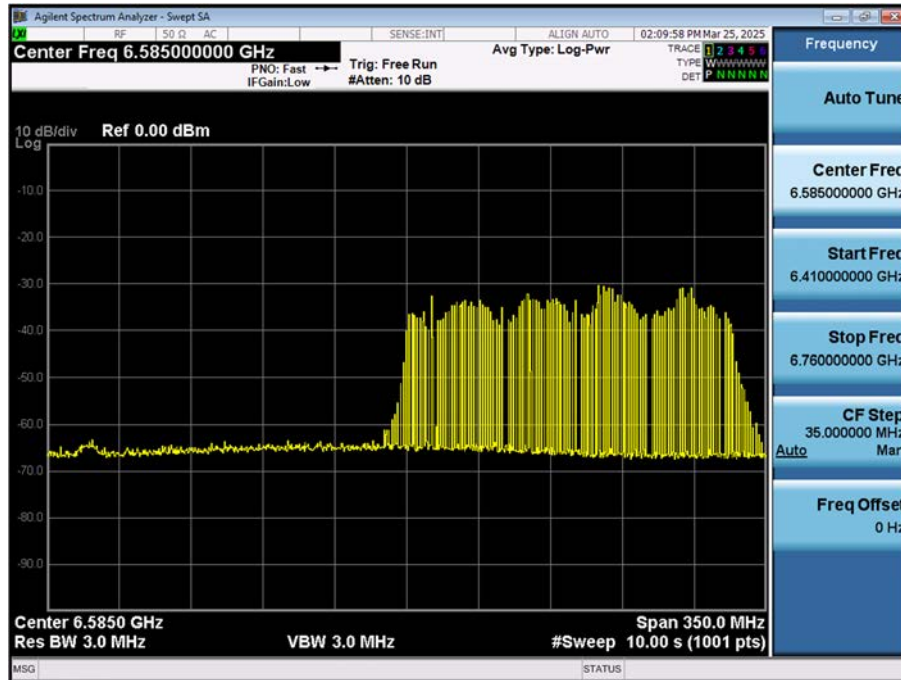
802.11be EHT320 Ch.127(6740 MHz) Detection Level



Bandwidth reduction plot (AWGN injected at low end)

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

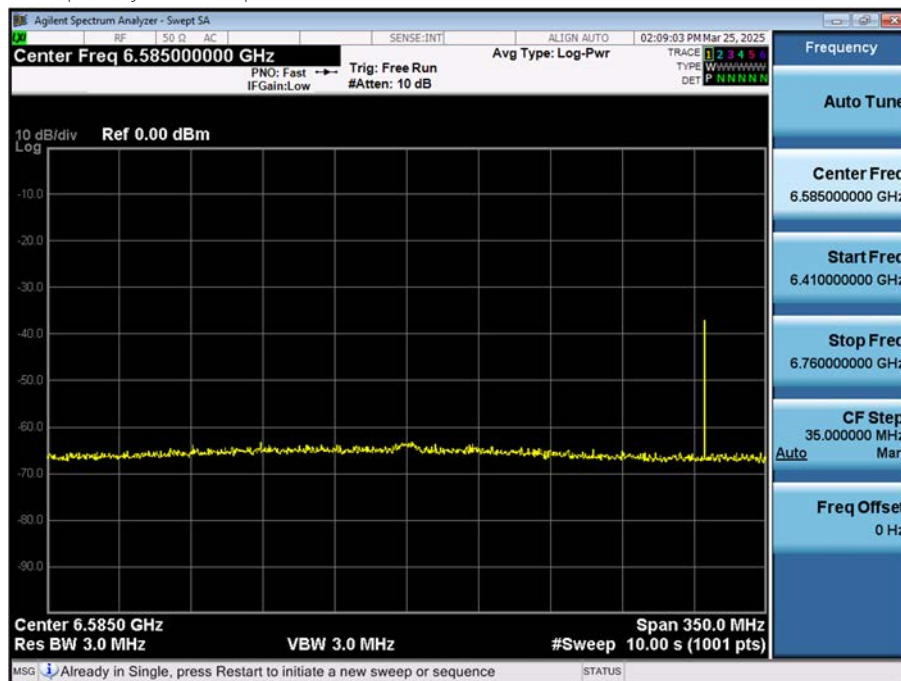
When a signal is applied at 6430 MHz, the channel at 6430 MHz and its adjacent channels become deactivated



Bandwidth reduction plot (AWGN injected at center)

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

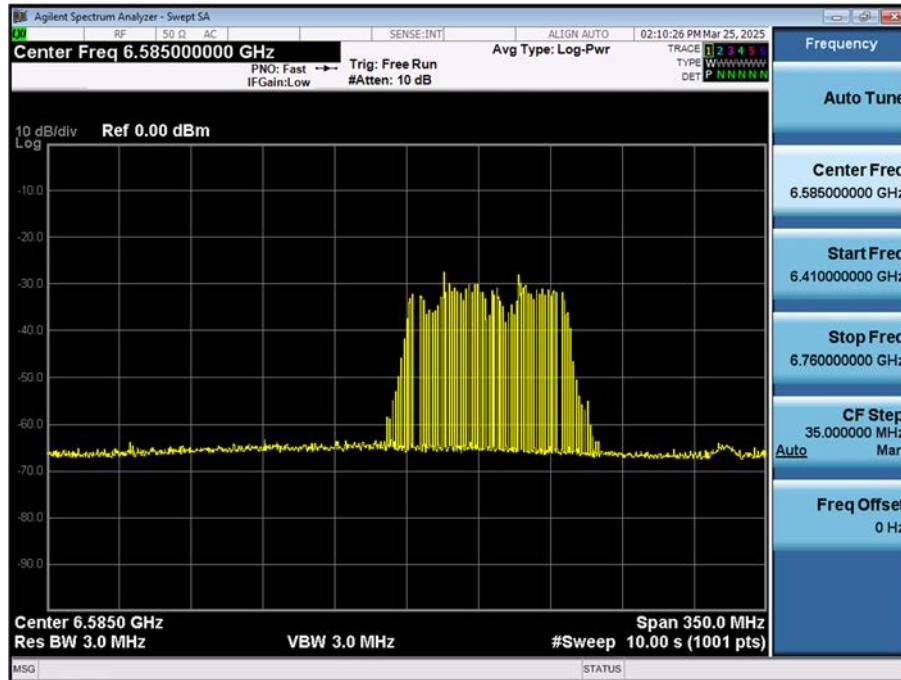
The channel completely ceases operation.

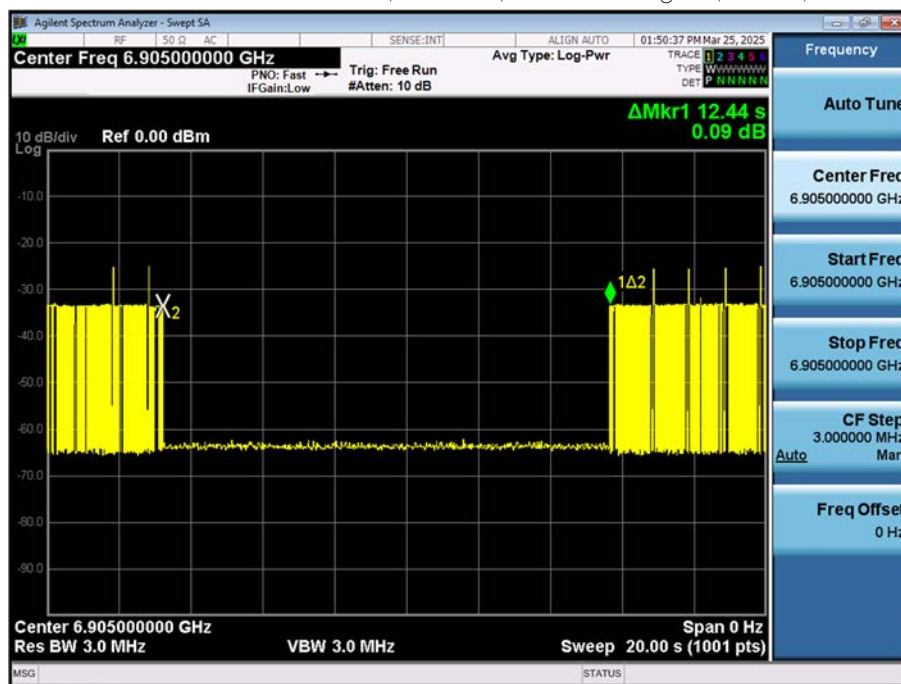


Bandwidth reduction plot (AWGN injected at high end)

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

When a signal is applied at 6740 MHz, the channel at 6740 MHz and its adjacent channels become deactivated

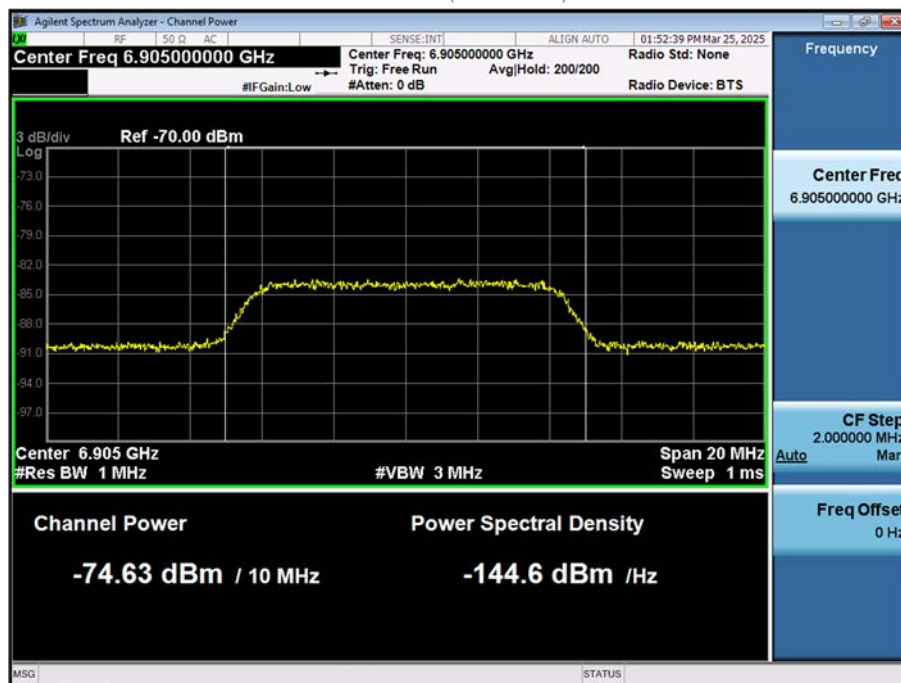




Marker 2 : AWGN Signal On

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

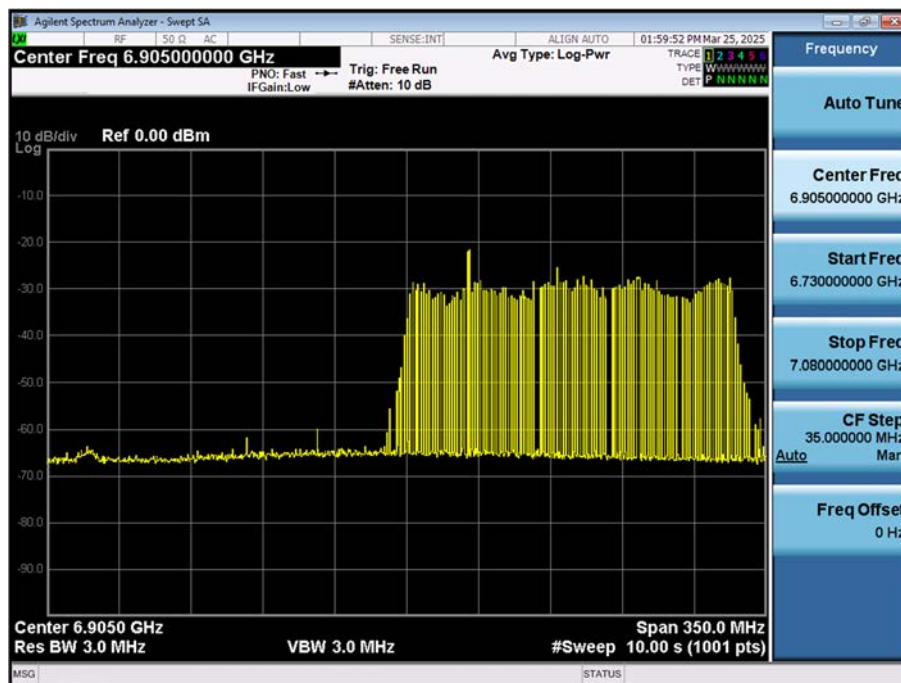
802.11be EHT320 Ch.191(6905 MHz) Detection Level



Bandwidth reduction plot (AWGN injected at low end)

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

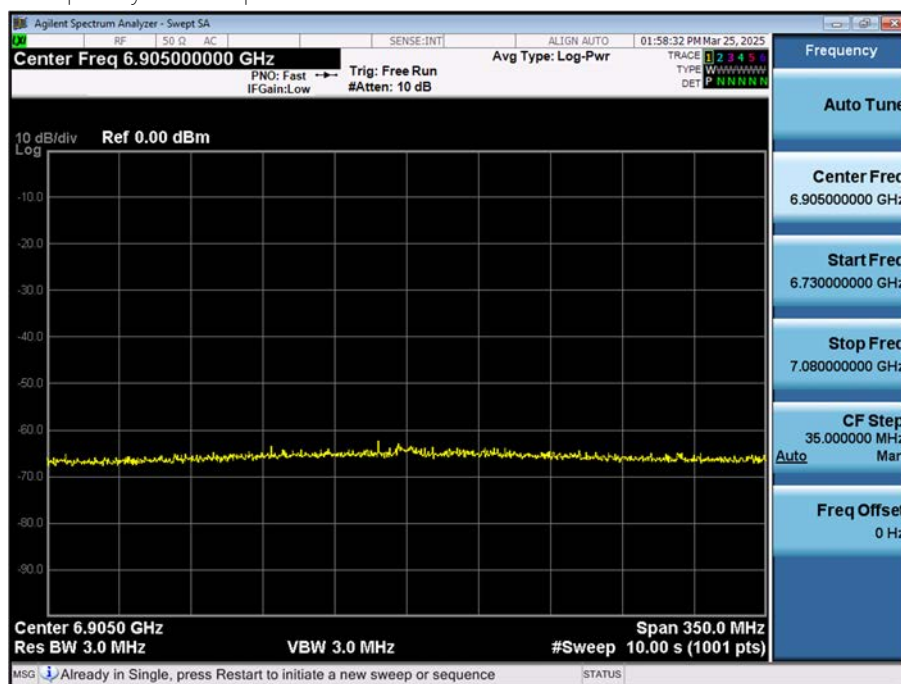
When a signal is applied at 6750 MHz, the channel at 6750 MHz and its adjacent channels become deactivated



Bandwidth reduction plot (AWGN injected at center)

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

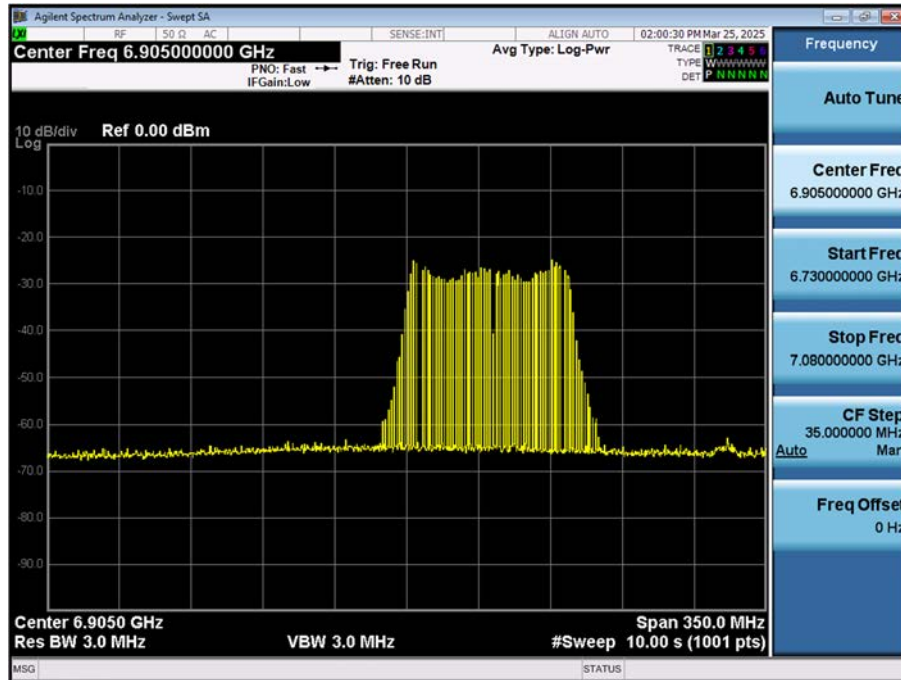
The channel completely ceases operation.



Bandwidth reduction plot (AWGN injected at high end)

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

When a signal is applied at 7060 MHz, the channel at 7060 MHz and its adjacent channels become deactivated



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]	ANT1 [dBm]	ANT2 [dBm]	ANT1 gain [dBi]	ANT2 gain [dBi]	Summed MIMO Power (Duty Adjusted) [dBm]	Directional Antenna Gain [dBi]	Dual Client MIMO EIRP [dBm]	Limit [dBm]	Margin [dB]
30(SP)	14.90	14.73	-10.07	-10.29	18.15	-7.17	10.99	30	19.01
24(LPI)	8.72	8.82	-10.07	-10.29	12.11	-7.17	4.94	24	19.06

Ch.133 6615 MHz

Authorized EIRP for AP [dBm]	Dual Client ANT1 [dBm]	Dual Client ANT2 [dBm]	ANT1 gain [dBi]	ANT2 gain [dBi]	Summed MIMO Power (Duty Adjusted) [dBm]	Directional Antenna Gain [dBi]	Dual Client MIMO EIRP [dBm]	Limit [dBm]	Margin [dB]
30(SP)	14.21	15.01	-10.67	-10.66	17.97	-7.65	10.31	30	19.69
24(LPI)	8.44	8.83	-10.67	-10.66	11.98	-7.65	4.32	24	19.68

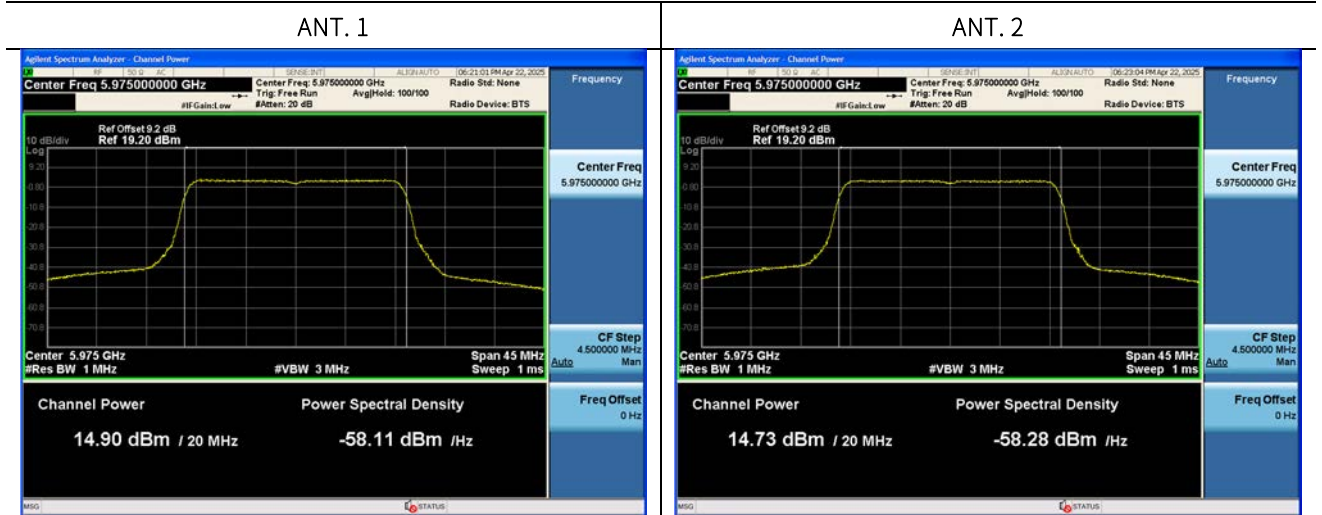
Note:

Duty Cycle Factor: 0.33 dB

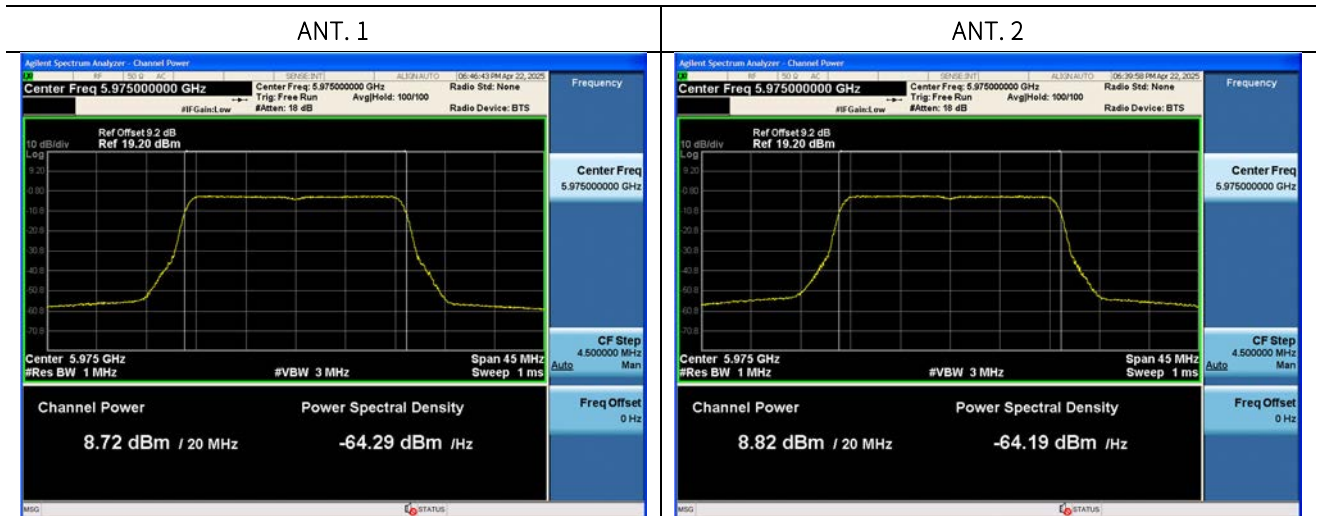
Test Plots

CH.5 5975 MHz

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



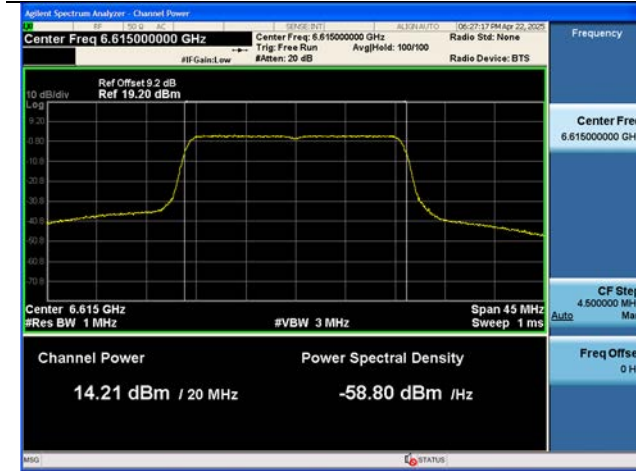
LPI AP Client Conducted Power (EIRP Authorization Power = 24 dBm)



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: The beacon signal indicates the Max Tx Power as twice the actual transmit power.

CMX500 - EIRP Authorization Power 30 dBm (SP AP)

Src_id	Time Stamp	Time Span	Protocol	Layer	SAP	Service	Primitive	PDU	Dir_id	Time Stamp	Time Span	Protocol	Layer	SAP	Service	Primitive	PDU
261	11:32:21.438	02:50:54.860,189 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req	261	11:32:21.438	02:50:54.860,189 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req
262	11:32:21.428	02:50:54.880,672 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req	262	11:32:21.428	02:50:54.880,672 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req
263	11:32:21.448	02:50:54.900,775 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req	263	11:32:21.448	02:50:54.900,775 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req
264	11:32:21.469	02:50:54.921,614 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req	264	11:32:21.469	02:50:54.921,614 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req
265	11:32:21.490	02:50:54.942,099 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req	265	11:32:21.490	02:50:54.942,099 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req
266	11:32:21.510	02:50:54.962,584 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req	266	11:32:21.510	02:50:54.962,584 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req
267	11:32:21.531	02:50:54.983,070 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req	267	11:32:21.531	02:50:54.983,070 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req
268	11:32:21.551	02:50:55.003,175 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req	268	11:32:21.551	02:50:55.003,175 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req
269	11:32:21.572	02:50:55.024,013 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req	269	11:32:21.572	02:50:55.024,013 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req
270	11:32:21.592	02:50:55.044,501 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req	270	11:32:21.592	02:50:55.044,501 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req
271	11:32:21.613	02:50:55.064,886 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req	271	11:32:21.613	02:50:55.064,886 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req
272	11:32:21.633	02:50:55.085,473 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req	272	11:32:21.633	02:50:55.085,473 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req
273	11:32:21.653	02:50:55.105,574 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req	273	11:32:21.653	02:50:55.105,574 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Resp	Probe Req

CMX500- EIRP Authorization Power 24 dBm (LPI AP)

Dir..._id	Time Stamp	Time Span	Protocol	Layer	SAP	Service	Primitive	POU	Dir..._id	Time Stamp	Time Span	Protocol	Layer	SAP	Service	Primitive	POU
283	11:35:07.132	02:53:40:584:208	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon	283	11:35:07.132	02:53:40:584:208	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon
284	11:35:07.133	02:53:40:605:108	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req	284	11:35:07.133	02:53:40:605:108	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
285	11:35:07.173	02:53:40:625:594	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req	285	11:35:07.173	02:53:40:625:594	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
286	11:35:07.194	02:53:40:646:081	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req	286	11:35:07.194	02:53:40:646:081	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
287	11:35:07.214	02:53:40:666:567	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req	287	11:35:07.214	02:53:40:666:567	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
288	11:35:07.234	02:53:40:686:668	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req	288	11:35:07.234	02:53:40:686:668	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
289	11:35:07.255	02:53:40:707:506	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req	289	11:35:07.255	02:53:40:707:506	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
290	11:35:07.276	02:53:40:727:959	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req	290	11:35:07.276	02:53:40:727:959	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
291	11:35:07.296	02:53:40:748:480	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req	291	11:35:07.296	02:53:40:748:480	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
292	11:35:07.317	02:53:40:768:964	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req	292	11:35:07.317	02:53:40:768:964	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
293	11:35:07.337	02:53:40:789:068	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req	293	11:35:07.337	02:53:40:789:068	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
294	11:35:07.358	02:53:40:809:906	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req	294	11:35:07.358	02:53:40:809:906	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req
295	11:35:07.378	02:53:40:830:393	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Req	295	11:35:07.378	02:53:40:830:393	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 conducted with the SP AP (CMX500), authorized to transmit up to 17 dBm, 27 dBm, and 36 dBm on Channel 47 (6185 MHz) and Channel 143 (6665 MHz).
3. The lowest 17 dBm power level is based on the EIRP calculated from the conducted power targets specified in the manufacturer's "WLAN Tune-up Procedure Document."
4. The EUT was connected to the spectrum analyzer via a conducted connection. Simultaneously, the EUT was able to detect the standard power access point (CMX500) and establish a conducted connection.

Ch.47 6185 MHz

Authorized EIRP for AP [dBm]	ANT1 [dBm]	ANT2 [dBm]	ANT1 gain [dBi]	ANT2 gain [dBi]	Summed MIMO Power (Duty Adjusted) [dBm]	Directional Antenna Gain [dBi]	Client MIMO EIRP [dBm]	Limit [dBm]	Margin [dB]
36	14.18	14.19	-10.07	-10.29	18.00	-7.17	10.83	30	19.17
27	14.16	14.17	-10.07	-10.29	17.98	-7.17	10.81	20.5	9.69
17	14.11	14.18	-10.07	-10.29	17.96	-7.17	10.79	11	0.21

Ch.143 6665 MHz

Authorized EIRP for AP [dBm]	ANT1 [dBm]	ANT2 [dBm]	ANT1 gain [dBi]	ANT2 gain [dBi]	Summed MIMO Power (Duty Adjusted) [dBm]	Directional Antenna Gain [dBi]	Client MIMO EIRP [dBm]	Limit [dBm]	Margin [dB]
36	14.16	13.87	-10.67	-10.66	17.83	-7.65	10.18	30	19.82
27	14.09	13.83	-10.67	-10.66	17.78	-7.65	10.12	20.5	10.38
17	14.03	13.75	-10.67	-10.66	17.71	-7.65	10.05	11	0.95

Note:

Duty Cycle Factor: 0.80 dB

Test Plots

Ch.47 6185 MHz

Client Conducted Power (EIRP Authorization Power = 36 dBm)

ANT. 1



ANT. 2



Client Conducted Power (EIRP Authorization Power = 27 dBm)

ANT. 1



ANT. 2



Client Conducted Power (EIRP Authorization Power = 17 dBm)

ANT. 1



ANT. 2



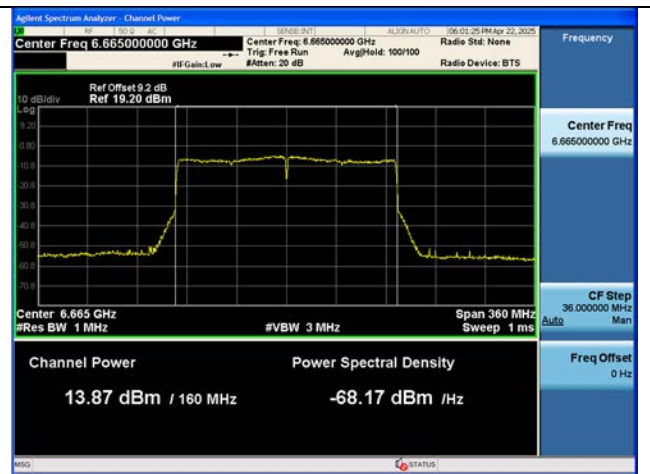
Ch.143 6665 MHz

Client Conducted Power (EIRP Authorization Power = 36 dBm)

ANT. 1



ANT. 2



Client Conducted Power (EIRP Authorization Power = 27 dBm)

ANT. 1



ANT. 2



Client Conducted Power (EIRP Authorization Power = 17 dBm)

ANT. 1



ANT. 2



CMX500 Status

Note:

1. The beacon signal indicates the Max Tx Power as twice the actual transmit power.
2. The AP's authorized EIRP is based on the MIMO target power. However, because the measurement was performed in SISO mode, the authorized EIRP was 3 dB lower than the MIMO target.

EIRP Authorization Power_17 dBm

Dir...	Id	Time Stamp	Time Span	Protocol	Layer	SAP	Service	Primitive	PDU	...
273	15:13:09.546	00:08:12.090.806	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
274	15:13:09.566	00:08:12.111.291	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
275	15:13:09.586	00:08:12.131.342	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon	Beacon	
276	15:13:09.607	00:08:12.152.233	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
277	15:13:09.628	00:08:12.172.719	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
278	15:13:09.648	00:08:12.193.207	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
279	15:13:09.669	00:08:12.213.691	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
280	15:13:09.689	00:08:12.233.742	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon	Beacon	
281	15:13:09.710	00:08:12.254.633	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
282	15:13:09.730	00:08:12.275.125	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
283	15:13:09.750	00:08:12.295.605	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	

Dir...	Id	Time Stamp	Time Span	Protocol	Layer	SAP	Service	Primitive	PDU	...
448	15:16:01.455	00:00:01.249.288	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
449	15:16:01.475	00:00:01.269.773	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
450	15:16:01.496	00:00:01.290.258	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
451	15:16:01.516	00:00:01.310.311	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon	Beacon	
452	15:16:01.537	00:00:01.331.202	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
453	15:16:01.557	00:00:01.351.689	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
454	15:16:01.578	00:00:01.372.175	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
455	15:16:01.598	00:00:01.392.660	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
456	15:16:01.618	00:00:01.412.711	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon	Beacon	
457	15:16:01.639	00:00:01.433.601	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
458	15:16:01.660	00:00:01.454.086	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	

EIRP Authorization Power_27 dBm

Dir...	Id	Time Stamp	Time Span	Protocol	Layer	SAP	Service	Primitive	PDU	...
87	15:07:06.880	00:00:01.028.047	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
88	15:07:06.900	00:00:01.048.534	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
89	15:07:06.920	00:00:01.068.585	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon	Beacon	
90	15:07:06.941	00:00:01.089.476	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
91	15:07:06.962	00:00:01.109.962	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
92	15:07:06.982	00:00:01.130.448	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
93	15:07:07.003	00:00:01.150.934	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
94	15:07:07.023	00:00:01.170.985	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon	Beacon	
95	15:07:07.043	00:00:01.191.881	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
96	15:07:07.064	00:00:01.212.362	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
97	15:07:07.084	00:00:01.232.848	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	

Dir...	Id	Time Stamp	Time Span	Protocol	Layer	SAP	Service	Primitive	PDU	...
448	15:16:01.455	00:00:01.249.288	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
449	15:16:01.475	00:00:01.269.773	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
450	15:16:01.496	00:00:01.290.258	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
451	15:16:01.516	00:00:01.310.311	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon	Beacon	
452	15:16:01.537	00:00:01.331.202	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
453	15:16:01.557	00:00:01.351.689	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
454	15:16:01.578	00:00:01.372.175	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
455	15:16:01.598	00:00:01.392.660	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
456	15:16:01.618	00:00:01.412.711	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon	Beacon	
457	15:16:01.639	00:00:01.433.601	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
458	15:16:01.660	00:00:01.454.086	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	

EIRP Authorization Power_36 dBm

Dir...	Id	Time Stamp	Time Span	Protocol	Layer	SAP	Service	Primitive	PDU	...
109	15:16:01.455	00:00:01.249.288	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
110	15:16:01.475	00:00:01.269.773	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
111	15:16:01.496	00:00:01.290.258	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
112	15:16:01.516	00:00:01.310.311	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon	Beacon	
113	15:16:01.537	00:00:01.331.202	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
114	15:16:01.557	00:00:01.351.689	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
115	15:16:01.578	00:00:01.372.175	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
116	15:16:01.598	00:00:01.392.660	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
117	15:16:01.618	00:00:01.412.711	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon	Beacon	
118	15:16:01.639	00:00:01.433.601	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
119	15:16:01.660	00:00:01.454.086	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	

Dir...	Id	Time Stamp	Time Span	Protocol	Layer	SAP	Service	Primitive	PDU	...
448	15:16:01.455	00:00:01.249.288	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
449	15:16:01.475	00:00:01.269.773	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
450	15:16:01.496	00:00:01.290.258	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
451	15:16:01.516	00:00:01.310.311	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon	Beacon	
452	15:16:01.537	00:00:01.331.202	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
453	15:16:01.557	00:00:01.351.689	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
454	15:16:01.578	00:00:01.372.175	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
455	15:16:01.598	00:00:01.392.660	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
456	15:16:01.618	00:00:01.412.711	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon	Beacon	
457	15:16:01.639	00:00:01.433.601	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
458	15:16:01.660	00:00:01.454.086	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	

Standard AP

Dir...	Id	Time Stamp	Time Span	Protocol	Layer	SAP	Service	Primitive	PDU	...
265	12:18:39.522	03:37:12.974.290	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
266	12:18:39.542	03:37:12.994.776	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
267	12:18:39.563	03:37:13.015.264	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon	Beacon	
268	12:18:39.583	03:37:13.035.364	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
269	12:18:39.604	03:37:13.056.203	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
270	12:18:39.624	03:37:13.076.689	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
271	12:18:39.645	03:37:13.097.175	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
272	12:18:39.665	03:37:13.117.661	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
273	12:18:39.685	03:37:13.137.764	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon	Beacon	
274	12:18:39.706	03:37:13.158.603	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
275	12:18:39.727	03:37:13.179.089	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
276	12:18:39.747	03:37:13.199.575	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
277	12:18:39.768	03:37:13.220.062	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	

Dir...	Id	Time Stamp	Time Span	Protocol	Layer	SAP	Service	Primitive	PDU	...
604	12:18:39.685	03:37:13.199.575	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
605	12:18:39.706	03:37:13.158.603	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
606	12:18:39.727	03:37:13.179.089	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
607	12:18:39.747	03:37:13.199.575	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
608	12:18:39.768	03:37:13.220.062	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
609	12:18:39.789	03:37:13.240.548	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon	Beacon	
610	12:18:39.810	03:37:13.261.034	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
611	12:18:39.831	03:37:13.281.520	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
612	12:18:39.852	03:37:13.302.006	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
613	12:18:39.873	03:37:13.322.492	Wlan	Mac Layer	MAC Frame	Management	Req	Probe Response	Probe Response	
614	12:18:39.894	03:37:13.343.000	Wlan	Mac Layer	MAC Frame	Management	Req	Beacon	Beacon	

10.9 Transmit Power Control, Very Low Power Devices

Note :

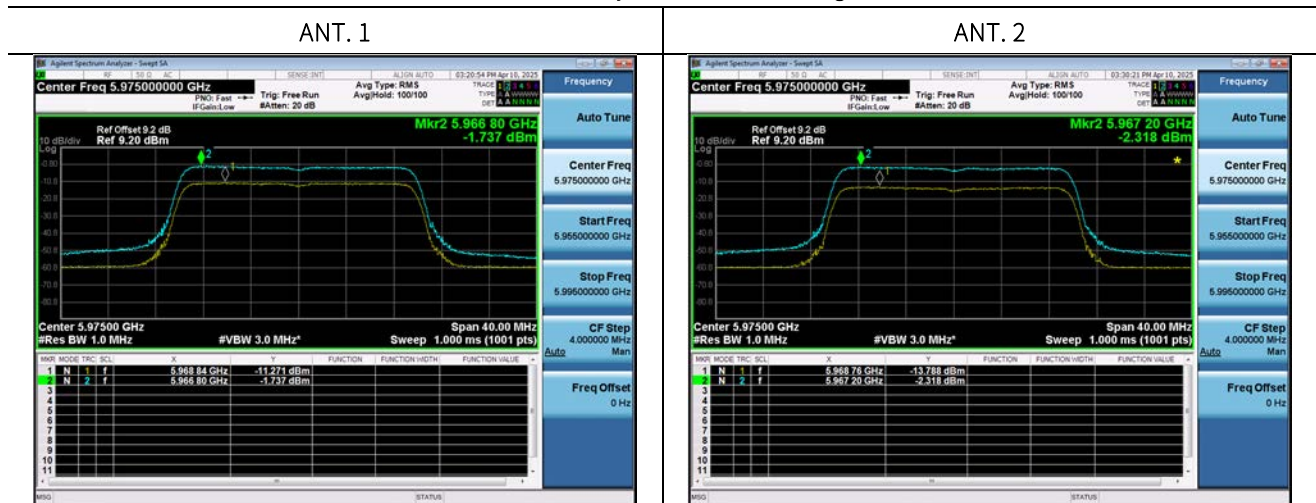
1. The EUT is a Very Low Power (VLP) device.
2. The test was conducted on Channel 5 (5975), where the worst-case scenario for the VLP PSD test was determined, and the maximum output power in VLP mode was applied to perform the PSD measurement.
3. The EUT was connected to the spectrum analyzer through a conducted connection, while also being able to detect the CMX500 and establish a conducted link simultaneously.

Frequency [MHz]	RSSI Sensitivity Variation	ANT1 PSD [dBm/MHz]	ANT2 PSD [dBm/MHz]	ANT1 Antenna gain [dBi]	ANT2 Antenna gain [dBi]	Summed MIMO PSD (Duty Adjusted) [dBm/MHz]	Directional Antenna Gain [dBi]	MIMO EIRP [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
5975	Low	-1.737	-2.318	-11.5	-10.7	2.00	-8.08	-6.08	-5	1.08
	High	-11.271	-13.788	-11.5	-10.7	-8.33	-8.08	-16.41	-11	5.41

Note:

Duty Cycle Factor: 1.01 dB

RSSI Sensitivity Variation (Low, High)



CMX500 Status

Note:

1. The beacon signal indicates the Max Tx Power as twice the actual transmit power.
2. To achieve maximum output in VLP mode, the Max Tx Power was set to 30 dBm

CMX500 - EIRP Authorization Power_30 dBm (VLP)

Dir..._id	Time Stamp	Time Span	Protocol	Layer	SAP	Service	Primitive	PDU
286	12:21:32.762	03:40:06.214.604 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	Probe Re
287	12:21:32.783	03:40:06.235.090 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	Probe Re
288	12:21:32.803	03:40:06.255.580 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	Probe Re
289	12:21:32.824	03:40:06.276.063 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	Probe Re
290	12:21:32.844	03:40:06.296.164 Wlan	Mac Layer	MAC Frame	Management	Req	Beacon	Beacon
291	12:21:32.865	03:40:06.317.005 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	Probe Re
292	12:21:32.885	03:40:06.337.490 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	Probe Re
293	12:21:32.906	03:40:06.357.976 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	Probe Re
294	12:21:32.926	03:40:06.378.461 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	Probe Re
295	12:21:32.946	03:40:06.398.564 Wlan	Mac Layer	MAC Frame	Management	Req	Beacon	Beacon
296	12:21:32.967	03:40:06.419.404 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	Probe Re
297	12:21:32.988	03:40:06.439.895 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	Probe Re
298	12:21:33.008	03:40:06.460.377 Wlan	Mac Layer	MAC Frame	Management	Req	Probe Re	Probe Re

Message Tree X

ID=290 TS=2024-10-30 12:21:32.844 RFN=0 MDOB=wlan_all.8.2

Use RegEx regu

- Omitted
- OptHeGzOperationInfo = HeGzOperationInfo (1)
 - HE Gz Operation Info
 - Primary Channel Index = (5)
 - Control
 - ChannelWidth = 20 MHz (0)
 - Duplicate Beacon = (1)
 - RegulatoryInfo = Very low power AP (2)
 - Reserved = (0)
 - Channel Center Freq Segment 0 = (5)
 - Channel Center Freq Segment 1 = (0)
 - Minimum Rate (Mb/s) = (0)

10.10 FREQUENCY STABILITY.

Note

1. All modes of operation were investigated and the worst case configuration results are reported.
2. Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

10.10.1 160 MHz BW

[MIMO(Ant1+Ant2)]

REFERENCE VOLTAGE: 3.90 VDC

Startup after the EUT is energized

OPERATING BAND:			UNII Band 5		UNII Band 6		UNII Band 7	
OPERATING FREQUENCY:			6,025,000,000 Hz		6,505,000,000 Hz		6,665,000,000 Hz	
CHANNEL:			15		111		143	
Voltage	Power	Temp.	Frequency	Frequency Error	Frequency	Frequency Error	Frequency	Frequency Error
(%)	(VDC)	(°C)	(kHz)	(kHz)	(kHz)	(kHz)	(kHz)	(kHz)
100%	3.90	+20(Ref)	6025055.23	55.23	6505050.19	50.19	6665051.70	51.70
100%		-30	6025059.14	59.14	6505058.19	58.19	6665057.45	57.45
100%		-20	6025058.45	58.45	6505059.78	59.78	6665055.67	55.67
100%		-10	6025053.27	53.27	6505050.84	50.84	6665051.96	51.96
100%		0	6025051.93	51.93	6505055.90	55.90	6665053.68	53.68
100%		+10	6025050.41	50.41	6505054.56	54.56	6665052.88	52.88
100%		+30	6025060.62	60.62	6505056.38	56.38	6665058.94	58.94
100%		+40	6025060.10	60.10	6505064.35	64.35	6665062.62	62.62
100%		+50	6025070.13	70.13	6505065.32	65.32	6665070.73	70.73
High	4.45	+20	6025051.77	51.77	6505051.93	51.93	6665051.35	51.35
End point	3.30	+20	6025063.13	63.13	6505063.07	63.07	6665065.16	65.16

OPERATING BAND:			UNII Band 8	
OPERATING FREQUENCY:			6,825,000,000 Hz	
CHANNEL:			175	
Voltage	Power	Temp.	Frequency	Frequency Error
(%)	(VDC)	(°C)	(kHz)	(kHz)
100%	3.90	+20(Ref)	6825054.54	54.54
100%		-30	6825059.35	59.35
100%		-20	6825057.04	57.04
100%		-10	6825051.14	51.14
100%		0	6825051.73	51.73
100%		+10	6825050.22	50.22
100%		+30	6825055.61	55.61
100%		+40	6825060.96	60.96
100%		+50	6825065.44	65.44
High	4.45	+20	6825054.40	54.40
End point	3.30	+20	6825063.63	63.63

2 minutes after the EUT is energized

OPERATING BAND:			UNII Band 5		UNII Band 6		UNII Band 7	
OPERATING FREQUENCY:			6,025,000,000 Hz		6,505,000,000 Hz		6,665,000,000 Hz	
CHANNEL:			15		111		143	
Voltage	Power	Temp.	Frequency	Frequency Error	Frequency	Frequency Error	Frequency	Frequency Error
(%)	(VDC)	(°C)	(kHz)	(kHz)	(kHz)	(kHz)	(kHz)	(kHz)
100%	3.90	+20(Ref)	6025051.80	51.80	6505053.56	53.56	6665052.57	52.57
100%		-30	6025057.82	57.82	6505059.62	59.62	6665057.97	57.97
100%		-20	6025056.05	56.05	6505059.70	59.70	6665059.76	59.76
100%		-10	6025053.93	53.93	6505052.07	52.07	6665055.33	55.33
100%		0	6025050.21	50.21	6505052.24	52.24	6665052.51	52.51
100%		+10	6025051.87	51.87	6505055.08	55.08	6665052.95	52.95
100%		+30	6025055.29	55.29	6505057.40	57.40	6665056.55	56.55
100%		+40	6025060.41	60.41	6505060.95	60.95	6665065.38	65.38
100%		+50	6025067.03	67.03	6505070.09	70.09	6665069.69	69.69
High	4.45	+20	6025054.24	54.24	6505052.69	52.69	6665050.87	50.87
End point	3.30	+20	6025061.28	61.28	6505063.34	63.34	6665061.22	61.22

OPERATING BAND:			UNII Band 8	
OPERATING FREQUENCY:			6,825,000,000 Hz	
CHANNEL:			175	
Voltage	Power	Temp.	Frequency	Frequency Error
(%)	(VDC)	(°C)	(kHz)	(kHz)
100%	3.90	+20(Ref)	6825051.62	51.62
100%		-30	6825060.16	60.16
100%		-20	6825059.36	59.36
100%		-10	6825052.04	52.04
100%		0	6825055.49	55.49
100%		+10	6825050.80	50.80
100%		+30	6825058.02	58.02
100%		+40	6825060.58	60.58
100%		+50	6825070.48	70.48
High	4.45	+20	6825051.27	51.27
End point	3.30	+20	6825061.90	61.90

5 minutes after the EUT is energized

OPERATING BAND:			UNII Band 5		UNII Band 6		UNII Band 7	
OPERATING FREQUENCY:			6,025,000,000 Hz		6,505,000,000 Hz		6,665,000,000 Hz	
CHANNEL:			15		111		143	
Voltage	Power	Temp.	Frequency	Frequency Error	Frequency	Frequency Error	Frequency	Frequency Error
(%)	(VDC)	(°C)	(kHz)	(kHz)	(kHz)	(kHz)	(kHz)	(kHz)
100%	3.90	+20(Ref)	6025052.87	52.87	6505053.17	53.17	6665055.04	55.04
100%		-30	6025059.03	59.03	6505057.97	57.97	6665056.68	56.68
100%		-20	6025060.61	60.61	6505059.54	59.54	6665059.25	59.25
100%		-10	6025050.16	50.16	6505051.66	51.66	6665050.54	50.54
100%		0	6025053.42	53.42	6505054.37	54.37	6665053.91	53.91
100%		+10	6025051.73	51.73	6505050.87	50.87	6665053.99	53.99
100%		+30	6025057.58	57.58	6505060.17	60.17	6665057.21	57.21
100%		+40	6025061.78	61.78	6505063.34	63.34	6665063.69	63.69
100%		+50	6025067.35	67.35	6505066.83	66.83	6665068.84	68.84
High	4.45	+20	6025055.95	55.95	6505054.05	54.05	6665051.23	51.23
End point	3.30	+20	6025060.65	60.65	6505061.79	61.79	6665065.21	65.21

OPERATING BAND:			UNII Band 8	
OPERATING FREQUENCY:			6,825,000,000 Hz	
CHANNEL:			175	
Voltage	Power	Temp.	Frequency	Frequency Error
(%)	(VDC)	(°C)	(kHz)	(kHz)
100%	3.90	+20(Ref)	6825052.78	52.78
100%		-30	6825056.09	56.09
100%		-20	6825055.94	55.94
100%		-10	6825050.60	50.60
100%		0	6825050.26	50.26
100%		+10	6825053.08	53.08
100%		+30	6825055.89	55.89
100%		+40	6825063.77	63.77
100%		+50	6825067.61	67.61
High	4.45	+20	6825052.96	52.96
End point	3.30	+20	6825061.48	61.48

10 minutes after the EUT is energized

OPERATING BAND:			UNII Band 5		UNII Band 6		UNII Band 7	
OPERATING FREQUENCY:			6,025,000,000 Hz		6,505,000,000 Hz		6,665,000,000 Hz	
CHANNEL:			15		111		143	
Voltage	Power	Temp.	Frequency	Frequency Error	Frequency	Frequency Error	Frequency	Frequency Error
(%)	(VDC)	(°C)	(kHz)	(kHz)	(kHz)	(kHz)	(kHz)	(kHz)
100%	3.90	+20(Ref)	6025054.89	54.89	6505053.44	53.44	6665055.22	55.22
100%		-30	6025058.31	58.31	6505058.31	58.31	6665058.53	58.53
100%		-20	6025057.13	57.13	6505058.85	58.85	6665057.45	57.45
100%		-10	6025055.15	55.15	6505052.38	52.38	6665054.77	54.77
100%		0	6025051.03	51.03	6505050.52	50.52	6665052.80	52.80
100%		+10	6025055.13	55.13	6505051.36	51.36	6665054.25	54.25
100%		+30	6025055.22	55.22	6505060.22	60.22	6665056.62	56.62
100%		+40	6025060.32	60.32	6505060.30	60.30	6665063.41	63.41
100%		+50	6025067.28	67.28	6505070.44	70.44	6665067.43	67.43
High	4.45	+20	6025053.37	53.37	6505053.32	53.32	6665054.84	54.84
End point	3.30	+20	6025064.81	64.81	6505064.61	64.61	6665060.30	60.30

OPERATING BAND:			UNII Band 8	
OPERATING FREQUENCY:			6,825,000,000 Hz	
CHANNEL:			175	
Voltage	Power	Temp.	Frequency	Frequency Error
(%)	(VDC)	(°C)	(kHz)	(kHz)
100%	3.90	+20(Ref)	6825050.42	50.42
100%		-30	6825060.67	60.67
100%		-20	6825059.32	59.32
100%		-10	6825051.35	51.35
100%		0	6825052.13	52.13
100%		+10	6825050.07	50.07
100%		+30	6825056.76	56.76
100%		+40	6825063.71	63.71
100%		+50	6825070.99	70.99
High	4.45	+20	6825055.54	55.54
End point	3.30	+20	6825062.08	62.08

10.11 RADIATED SPURIOUS EMISSIONS (9 kHz – 1 GHz)

Frequency Range : 9 kHz – 30 MHz

Frequency	Measured Value	A.F+C.L-A.G+D.F	POL	Total	Limit	Margin
[MHz]	[dB μ V]	[dB/m]	[H/V]	[dB μ V/m]	[dB μ V/m]	[dB]

No Critical peaks found

Note:

1. The Measured Value of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
2. Distance extrapolation factor = $40\log(\text{specific distance} / \text{test distance})$ (dB)
3. Limit line = specific Limits (dB μ V) + Distance extrapolation factor

Frequency Range : Below 1 GHz

Frequency	Measured Value	A.F+C.L	POL	Total	Limit	Margin
[MHz]	[dB μ V]	[dB/m]	[H/V]	[dB μ V/m]	[dB μ V/m]	[dB]

No Critical peaks found

Note:

1. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode

10.12 RADIATED SPURIOUS EMISSIONS (Above 1 GHz)

[MIMO_CDD(Ant1+Ant2)]

10.12.1 Standard Client

[SRU]

Band : UNII 5				Operation Mode : 802.11be_EHT20 MCS0 242T RU61				
CH.2 5935 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11870	43.48	0.00	8.49	V	51.97	73.98	22.01	PK
11870	31.36	0.07	8.49	V	39.92	53.98	14.06	AV
17805	40.24	0.00	16.74	V	56.98	73.98	17.00	PK
17805	28.20	0.07	16.74	V	45.01	53.98	8.97	AV
11870	44.00	0.00	8.49	H	52.49	73.98	21.49	PK
11870	31.32	0.07	8.49	H	39.88	53.98	14.10	AV
17805	39.62	0.00	16.74	H	56.36	73.98	17.62	PK
17805	28.14	0.07	16.74	H	44.95	53.98	9.03	AV

Band : UNII 5				Operation Mode : 802.11be_EHT20 MCS0 242T RU61				
CH.1 5955 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11910	43.86	0.00	8.41	V	52.27	73.98	21.71	PK
11910	31.31	0.07	8.41	V	39.79	53.98	14.19	AV
17865	39.93	0.00	17.17	V	57.10	73.98	16.88	PK
17865	28.32	0.07	17.17	V	45.56	53.98	8.42	AV
11910	44.13	0.00	8.41	H	52.54	73.98	21.44	PK
11910	31.70	0.07	8.41	H	40.18	53.98	13.80	AV
17865	39.68	0.00	17.17	H	56.85	73.98	17.13	PK
17865	28.30	0.07	17.17	H	45.54	53.98	8.44	AV

Band : UNII 5				Operation Mode : 802.11be_EHT20 MCS0 242T RU61				
CH.45 6175 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
12350	43.35	0.00	9.16	V	52.51	88.20	35.69	PK
12350	31.72	0.07	9.16	V	40.95	68.20	27.25	AV
18525	54.51	0.00	-0.82	V	53.69	73.98	20.29	PK
18525	41.53	0.07	-0.82	V	40.78	53.98	13.20	AV
12350	43.60	0.00	9.16	H	52.76	88.20	35.44	PK
12350	31.66	0.07	9.16	H	40.89	68.20	27.31	AV
18525	54.18	0.00	-0.82	H	53.36	73.98	20.62	PK
18525	41.39	0.07	-0.82	H	40.64	53.98	13.34	AV

Band : UNII 5				Operation Mode : 802.11be_EHT20 MCS0 242T RU61				
CH.93 6415 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
12830	41.95	0.00	11.14	V	53.09	88.20	35.11	PK
12830	30.42	0.07	11.14	V	41.63	68.20	26.57	AV
19245	51.02	0.00	1.64	V	52.66	73.98	21.32	PK
19245	38.98	0.07	1.64	V	40.69	53.98	13.29	AV
12830	42.59	0.00	11.14	H	53.73	88.20	34.47	PK
12830	30.50	0.07	11.14	H	41.71	68.20	26.49	AV
19245	50.96	0.00	1.64	H	52.60	73.98	21.38	PK
19245	39.03	0.07	1.64	H	40.74	53.98	13.24	AV

Band : UNII 7				Operation Mode : 802.11be_EHT20 MCS0 242T RU61				
CH.117 6535 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
13070	42.38	0.00	12.30	V	54.68	88.20	33.52	PK
13070	30.10	0.07	12.30	V	42.47	68.20	25.73	AV
19605	48.62	0.00	4.15	V	52.77	73.98	21.21	PK
19605	36.68	0.07	4.15	V	40.90	53.98	13.08	AV
13070	42.04	0.00	12.30	H	54.34	88.20	33.86	PK
13070	30.08	0.07	12.30	H	42.45	68.20	25.75	AV
19605	48.61	0.00	4.15	H	52.76	73.98	21.22	PK
19605	36.66	0.07	4.15	H	40.88	53.98	13.10	AV

Band : UNII 7				Operation Mode : 802.11be_EHT20 MCS0 242T RU61				
CH.149 6695 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
13390	41.85	0.00	12.38	V	54.23	88.20	33.97	PK
13390	29.60	0.07	12.38	V	42.05	68.20	26.15	AV
20085	46.49	0.00	6.32	V	52.81	73.98	21.17	PK
20085	34.51	0.07	6.32	V	40.90	53.98	13.08	AV
13390	41.46	0.00	12.38	H	53.84	88.20	34.36	PK
13390	29.49	0.07	12.38	H	41.94	68.20	26.26	AV
20085	46.44	0.00	6.32	H	52.76	73.98	21.22	PK
20085	34.50	0.07	6.32	H	40.89	53.98	13.09	AV

Band : UNII 7				Operation Mode : 802.11be_EHT20 MCS0 242T RU61				
CH.181 6855 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
13710	41.48	0.00	13.26	V	54.74	88.20	33.46	PK
13710	29.66	0.07	13.26	V	42.99	68.20	25.21	AV
20565	46.19	0.00	7.22	V	53.41	73.98	20.57	PK
20565	34.58	0.07	7.22	V	41.87	53.98	12.11	AV
13710	41.24	0.00	13.26	H	54.50	88.20	33.70	PK
13710	29.54	0.07	13.26	H	42.87	68.20	25.33	AV
20565	46.12	0.00	7.22	H	53.34	73.98	20.64	PK
20565	34.55	0.07	7.22	H	41.84	53.98	12.14	AV

Band : UNII 5				Operation Mode : 802.11be_EHT20 MCS0 26T RU4				
CH.2 5935 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11870	44.95	0.00	8.49	V	53.44	73.98	20.54	PK
11870	32.54	0.02	8.49	V	41.05	53.98	12.93	AV
17805	39.70	0.00	16.74	V	56.44	73.98	17.54	PK
17805	28.14	0.02	16.74	V	44.90	53.98	9.08	AV
11870	43.81	0.00	8.49	H	52.30	73.98	21.68	PK
11870	31.76	0.02	8.49	H	40.27	53.98	13.71	AV
17805	40.46	0.00	16.74	H	57.20	73.98	16.78	PK
17805	28.16	0.02	16.74	H	44.92	53.98	9.06	AV

Band : UNII 5				Operation Mode : 802.11be_EHT20 MCS0 26T RU4				
CH.1 5955 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11910	43.50	0.00	8.41	V	51.91	73.98	22.07	PK
11910	32.23	0.02	8.41	V	40.66	53.98	13.32	AV
17865	39.66	0.00	17.17	V	56.83	73.98	17.15	PK
17865	28.34	0.02	17.17	V	45.53	53.98	8.45	AV
11910	43.36	0.00	8.41	H	51.77	73.98	22.21	PK
11910	31.90	0.02	8.41	H	40.33	53.98	13.65	AV
17865	39.96	0.00	17.17	H	57.13	73.98	16.85	PK
17865	28.37	0.02	17.17	H	45.56	53.98	8.42	AV

Band : UNII 5				Operation Mode : 802.11be_EHT20 MCS0 26T RU4				
CH.45 6175 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
12350	43.12	0.00	9.16	V	52.28	88.20	35.92	PK
12350	31.46	0.02	9.16	V	40.64	68.20	27.56	AV
18525	54.55	0.00	-0.82	V	53.73	73.98	20.25	PK
18525	41.57	0.02	-0.82	V	40.77	53.98	13.21	AV
12350	43.82	0.00	9.16	H	52.98	88.20	35.22	PK
12350	31.67	0.02	9.16	H	40.85	68.20	27.35	AV
18525	54.48	0.00	-0.82	H	53.66	73.98	20.32	PK
18525	41.49	0.02	-0.82	H	40.69	53.98	13.29	AV

Band : UNII 5				Operation Mode : 802.11be_EHT20 MCS0 26T RU4				
CH.93 6415 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
12830	42.14	0.00	11.14	V	53.28	88.20	34.92	PK
12830	30.51	0.02	11.14	V	41.67	68.20	26.53	AV
19245	51.10	0.00	1.64	V	52.74	73.98	21.24	PK
19245	39.16	0.02	1.64	V	40.82	53.98	13.16	AV
12830	42.77	0.00	11.14	H	53.91	88.20	34.29	PK
12830	30.51	0.02	11.14	H	41.67	68.20	26.53	AV
19245	51.02	0.00	1.64	H	52.66	73.98	21.32	PK
19245	39.05	0.02	1.64	H	40.71	53.98	13.27	AV

Band : UNII 7				Operation Mode : 802.11be_EHT20 MCS0 26T RU4				
CH.117 6535 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
13070	42.77	0.00	12.30	V	55.07	88.20	33.13	PK
13070	30.24	0.02	12.30	V	42.56	68.20	25.64	AV
19605	48.74	0.00	4.15	V	52.89	73.98	21.09	PK
19605	36.74	0.02	4.15	V	40.91	53.98	13.07	AV
13070	41.70	0.00	12.30	H	54.00	88.20	34.20	PK
13070	30.46	0.02	12.30	H	42.78	68.20	25.42	AV
19605	48.69	0.00	4.15	H	52.84	73.98	21.14	PK
19605	36.69	0.02	4.15	H	40.86	53.98	13.12	AV

Band : UNII 7				Operation Mode : 802.11be_EHT20 MCS0 26T RU4				
CH.149 6695 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
13390	42.22	0.00	12.38	V	54.60	88.20	33.60	PK
13390	29.72	0.02	12.38	V	42.12	68.20	26.08	AV
20085	46.67	0.00	6.32	V	52.99	73.98	20.99	PK
20085	34.58	0.02	6.32	V	40.92	53.98	13.06	AV
13390	41.19	0.00	12.38	H	53.57	88.20	34.63	PK
13390	29.58	0.02	12.38	H	41.98	68.20	26.22	AV
20085	46.55	0.00	6.32	H	52.87	73.98	21.11	PK
20085	34.57	0.02	6.32	H	40.91	53.98	13.07	AV

Band : UNII 7				Operation Mode : 802.11be_EHT20 MCS0 26T RU4				
CH.181 6855 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
13710	41.18	0.00	13.26	V	54.44	88.20	33.76	PK
13710	29.54	0.02	13.26	V	42.82	68.20	25.38	AV
20565	46.31	0.00	7.22	V	53.53	73.98	20.45	PK
20565	34.48	0.02	7.22	V	41.72	53.98	12.26	AV
13710	41.61	0.00	13.26	H	54.87	88.20	33.33	PK
13710	29.50	0.02	13.26	H	42.78	68.20	25.42	AV
20565	46.20	0.00	7.22	H	53.42	73.98	20.56	PK
20565	34.42	0.02	7.22	H	41.66	53.98	12.32	AV

Band : UNII 5				Operation Mode : 802.11be_EHT40 MCS0 484T RU65				
CH.3 5965 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11930	44.22	0.00	8.44	V	52.66	73.98	21.32	PK
11930	31.47	0.12	8.44	V	40.03	53.98	13.95	AV
17895	39.78	0.00	17.19	V	56.97	73.98	17.01	PK
17895	28.11	0.12	17.19	V	45.42	53.98	8.56	AV
11930	43.78	0.00	8.44	H	52.22	73.98	21.76	PK
11930	31.64	0.12	8.44	H	40.20	53.98	13.78	AV
17895	39.85	0.00	17.19	H	57.04	73.98	16.94	PK
17895	28.23	0.12	17.19	H	45.54	53.98	8.44	AV

Band : UNII 5				Operation Mode : 802.11be_EHT40 MCS0 484T RU65				
CH.43 6165 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
12330	43.39	0.00	9.51	V	52.90	73.98	21.08	PK
12330	31.69	0.12	9.51	V	41.32	53.98	12.66	AV
18495	53.32	0.00	-0.61	V	52.71	73.98	21.27	PK
18495	41.40	0.12	-0.61	V	40.91	53.98	13.07	AV
12330	43.30	0.00	9.51	H	52.81	73.98	21.17	PK
12330	31.54	0.12	9.51	H	41.17	53.98	12.81	AV
18495	53.14	0.00	-0.61	H	52.53	73.98	21.45	PK
18495	41.38	0.12	-0.61	H	40.89	53.98	13.09	AV

Band : UNII 5				Operation Mode : 802.11be_EHT40 MCS0 484T RU65				
CH.91 6405 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
12810	43.35	0.00	10.76	V	54.11	88.20	34.09	PK
12810	30.54	0.12	10.76	V	41.42	68.20	26.78	AV
19215	51.76	0.00	1.40	V	53.16	73.98	20.82	PK
19215	39.95	0.12	1.40	V	41.47	53.98	12.51	AV
12810	42.47	0.00	10.76	H	53.23	88.20	34.97	PK
12810	30.55	0.12	10.76	H	41.43	68.20	26.77	AV
19215	51.55	0.00	1.40	H	52.95	73.98	21.03	PK
19215	39.82	0.12	1.40	H	41.34	53.98	12.64	AV

Band : UNII 7				Operation Mode : 802.11be_EHT40 MCS0 484T RU65				
CH.123 6565 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
13130	41.84	0.00	11.61	V	53.45	88.20	34.75	PK
13130	30.13	0.12	11.61	V	41.86	68.20	26.34	AV
19695	48.12	0.00	4.68	V	52.80	73.98	21.18	PK
19695	36.45	0.12	4.68	V	41.25	53.98	12.73	AV
13130	42.01	0.00	11.61	H	53.62	88.20	34.58	PK
13130	30.21	0.12	11.61	H	41.94	68.20	26.26	AV
19695	47.98	0.00	4.68	H	52.66	73.98	21.32	PK
19695	36.41	0.12	4.68	H	41.21	53.98	12.77	AV

Band : UNII 7				Operation Mode : 802.11be_EHT40 MCS0 484T RU65				
CH.147 6685 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
13370	41.33	0.00	12.39	V	53.72	88.20	34.48	PK
13370	29.48	0.12	12.39	V	41.99	68.20	26.21	AV
20055	46.11	0.00	6.42	V	52.53	73.98	21.45	PK
20055	34.65	0.12	6.42	V	41.19	53.98	12.79	AV
13370	41.95	0.00	12.39	H	54.34	88.20	33.86	PK
13370	29.47	0.12	12.39	H	41.98	68.20	26.22	AV
20055	45.75	0.00	6.42	H	52.17	73.98	21.81	PK
20055	34.60	0.12	6.42	H	41.14	53.98	12.84	AV

Band : UNII 7				Operation Mode : 802.11be_EHT40 MCS0 484T RU65				
CH.179 6845 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
13690	41.55	0.00	12.92	V	54.47	88.20	33.73	PK
13690	29.73	0.12	12.92	V	42.77	68.20	25.43	AV
20535	46.32	0.00	7.14	V	53.46	73.98	20.52	PK
20535	34.05	0.12	7.14	V	41.31	53.98	12.67	AV
13690	41.70	0.00	12.92	H	54.62	88.20	33.58	PK
13690	29.55	0.12	12.92	H	42.59	68.20	25.61	AV
20535	46.22	0.00	7.14	H	53.36	73.98	20.62	PK
20535	34.02	0.12	7.14	H	41.28	53.98	12.70	AV

Band : UNII 5				Operation Mode : 802.11be_EHT40 MCS0 26T RU9				
CH.3 5965 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11930	43.29	0.00	8.44	V	51.73	73.98	22.25	PK
11930	32.32	0.01	8.44	V	40.77	53.98	13.21	AV
17895	40.04	0.00	17.19	V	57.23	73.98	16.75	PK
17895	28.40	0.01	17.19	V	45.60	53.98	8.38	AV
11930	43.75	0.00	8.44	H	52.19	73.98	21.79	PK
11930	31.87	0.01	8.44	H	40.32	53.98	13.66	AV
17895	39.66	0.00	17.19	H	56.85	73.98	17.13	PK
17895	28.31	0.01	17.19	H	45.51	53.98	8.47	AV

Band : UNII 5				Operation Mode : 802.11be_EHT40 MCS0 26T RU9				
CH.43 6165 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
12330	43.02	0.00	9.51	V	52.53	73.98	21.45	PK
12330	31.35	0.01	9.51	V	40.87	53.98	13.11	AV
18495	53.36	0.00	-0.61	V	52.75	73.98	21.23	PK
18495	41.45	0.01	-0.61	V	40.85	53.98	13.13	AV
12330	43.01	0.00	9.51	H	52.52	73.98	21.46	PK
12330	31.50	0.01	9.51	H	41.02	53.98	12.96	AV
18495	53.19	0.00	-0.61	H	52.58	73.98	21.40	PK
18495	41.42	0.01	-0.61	H	40.82	53.98	13.16	AV

Band : UNII 5				Operation Mode : 802.11be_EHT40 MCS0 26T RU9				
CH.91 6405 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
12810	42.50	0.00	10.76	V	53.26	88.20	34.94	PK
12810	30.64	0.01	10.76	V	41.41	68.20	26.79	AV
19215	51.69	0.00	1.40	V	53.09	73.98	20.89	PK
19215	39.92	0.01	1.40	V	41.33	53.98	12.65	AV
12810	42.46	0.00	10.76	H	53.22	88.20	34.98	PK
12810	30.57	0.01	10.76	H	41.34	68.20	26.86	AV
19215	51.52	0.00	1.40	H	52.92	73.98	21.06	PK
19215	39.90	0.01	1.40	H	41.31	53.98	12.67	AV

Band : UNII 7				Operation Mode : 802.11be_EHT40 MCS0 26T RU9				
CH.123 6565 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
13130	42.41	0.00	11.61	V	54.02	88.20	34.18	PK
13130	30.30	0.01	11.61	V	41.92	68.20	26.28	AV
19695	48.23	0.00	4.68	V	52.91	73.98	21.07	PK
19695	36.45	0.01	4.68	V	41.14	53.98	12.84	AV
13130	42.05	0.00	11.61	H	53.66	88.20	34.54	PK
13130	30.31	0.01	11.61	H	41.93	68.20	26.27	AV
19695	48.03	0.00	4.68	H	52.71	73.98	21.27	PK
19695	36.41	0.01	4.68	H	41.10	53.98	12.88	AV

Band : UNII 7				Operation Mode : 802.11be_EHT40 MCS0 26T RU9				
CH.147 6685 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
13370	41.54	0.00	12.39	V	53.93	88.20	34.27	PK
13370	29.64	0.01	12.39	V	42.04	68.20	26.16	AV
20055	46.08	0.00	6.42	V	52.50	73.98	21.48	PK
20055	34.67	0.01	6.42	V	41.10	53.98	12.88	AV
13370	41.37	0.00	12.39	H	53.76	88.20	34.44	PK
13370	29.68	0.01	12.39	H	42.08	68.20	26.12	AV
20055	45.62	0.00	6.42	H	52.04	73.98	21.94	PK
20055	34.63	0.01	6.42	H	41.06	53.98	12.92	AV

Band : UNII 7				Operation Mode : 802.11be_EHT40 MCS0 26T RU9				
CH.179 6845 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
13690	41.56	0.00	12.92	V	54.48	88.20	33.72	PK
13690	29.42	0.01	12.92	V	42.35	68.20	25.85	AV
20535	46.25	0.00	7.14	V	53.39	73.98	20.59	PK
20535	34.01	0.01	7.14	V	41.16	53.98	12.82	AV
13690	41.19	0.00	12.92	H	54.11	88.20	34.09	PK
13690	29.40	0.01	12.92	H	42.33	68.20	25.87	AV
20535	46.22	0.00	7.14	H	53.36	73.98	20.62	PK
20535	34.00	0.01	7.14	H	41.15	53.98	12.83	AV

Band : UNII 5				Operation Mode : 802.11be_EHT80 MCS0 996T RU67				
CH.7 5985 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11970	43.51	0.00	8.46	V	51.97	73.98	22.01	PK
11970	31.45	0.13	8.46	V	40.04	53.98	13.94	AV
17955	40.22	0.00	17.29	V	57.51	73.98	16.47	PK
17955	28.40	0.13	17.29	V	45.82	53.98	8.16	AV
11970	43.55	0.00	8.46	H	52.01	73.98	21.97	PK
11970	31.42	0.13	8.46	H	40.01	53.98	13.97	AV
17955	40.10	0.00	17.29	H	57.39	73.98	16.59	PK
17955	28.39	0.13	17.29	H	45.81	53.98	8.17	AV

Band : UNII 5				Operation Mode : 802.11be_EHT80 MCS0 996T RU67				
CH.39 6145 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
12290	43.86	0.00	9.03	V	52.89	73.98	21.09	PK
12290	31.50	0.13	9.03	V	40.66	53.98	13.32	AV
18435	53.16	0.00	-0.19	V	52.97	73.98	21.01	PK
18435	42.45	0.13	-0.19	V	42.39	53.98	11.59	AV
12290	44.66	0.00	9.03	H	53.69	73.98	20.29	PK
12290	31.42	0.13	9.03	H	40.58	53.98	13.40	AV
18435	52.98	0.00	-0.19	H	52.79	73.98	21.19	PK
18435	42.39	0.13	-0.19	H	42.33	53.98	11.65	AV

Band : UNII 5				Operation Mode : 802.11be_EHT80 MCS0 996T RU67				
CH.87 6385 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
12770	42.38	0.00	10.47	V	52.85	88.20	35.35	PK
12770	31.05	0.13	10.47	V	41.65	68.20	26.55	AV
19155	53.59	0.00	0.67	V	54.26	73.98	19.72	PK
19155	41.45	0.13	0.67	V	42.25	53.98	11.73	AV
12770	42.93	0.00	10.47	H	53.40	88.20	34.80	PK
12770	31.09	0.13	10.47	H	41.69	68.20	26.51	AV
19155	53.32	0.00	0.67	H	53.99	73.98	19.99	PK
19155	41.44	0.13	0.67	H	42.24	53.98	11.74	AV

Band : UNII 7				Operation Mode : 802.11be_EHT80 MCS0 996T RU67				
CH.135 6625 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
13250	41.94	0.00	11.88	V	53.82	73.98	20.16	PK
13250	29.96	0.13	11.88	V	41.97	53.98	12.01	AV
19875	48.88	0.00	5.59	V	54.47	73.98	19.51	PK
19875	36.15	0.13	5.59	V	41.87	53.98	12.11	AV
13250	42.58	0.00	11.88	H	54.46	73.98	19.52	PK
13250	30.01	0.13	11.88	H	42.02	53.98	11.96	AV
19875	48.71	0.00	5.59	H	54.30	73.98	19.68	PK
19875	36.10	0.13	5.59	H	41.82	53.98	12.16	AV

Band : UNII 7				Operation Mode : 802.11be_EHT80 MCS0 996T RU67				
CH.151 6705 MHz				Transfer Rate : MCS0				
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
13410	42.20	0.00	12.88	V	55.08	88.20	33.12	PK
13410	29.48	0.13	12.88	V	42.49	68.20	25.71	AV
20115	46.62	0.00	6.38	V	53.00	73.98	20.98	PK
20115	35.12	0.13	6.38	V	41.63	53.98	12.35	AV
13410	41.95	0.00	12.88	H	54.83	88.20	33.37	PK
13410	29.41	0.13	12.88	H	42.42	68.20	25.78	AV
20115	46.54	0.00	6.38	H	52.92	73.98	21.06	PK
20115	35.05	0.13	6.38	H	41.56	53.98	12.42	AV