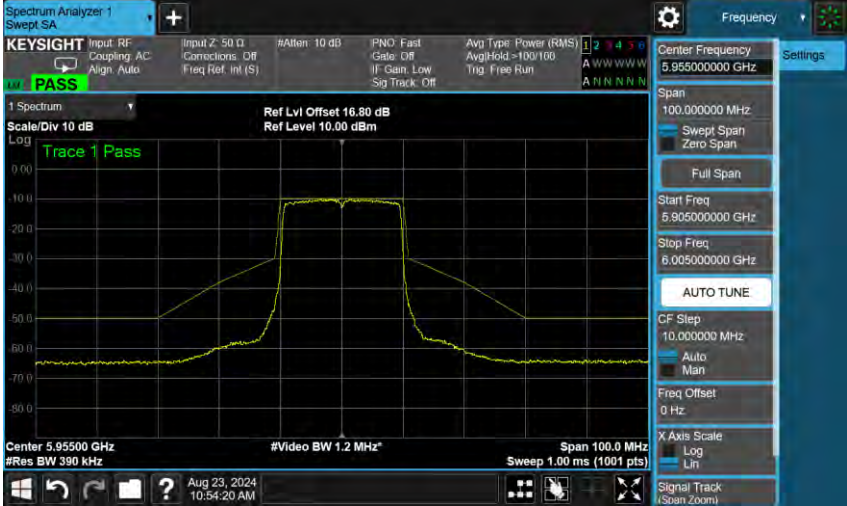
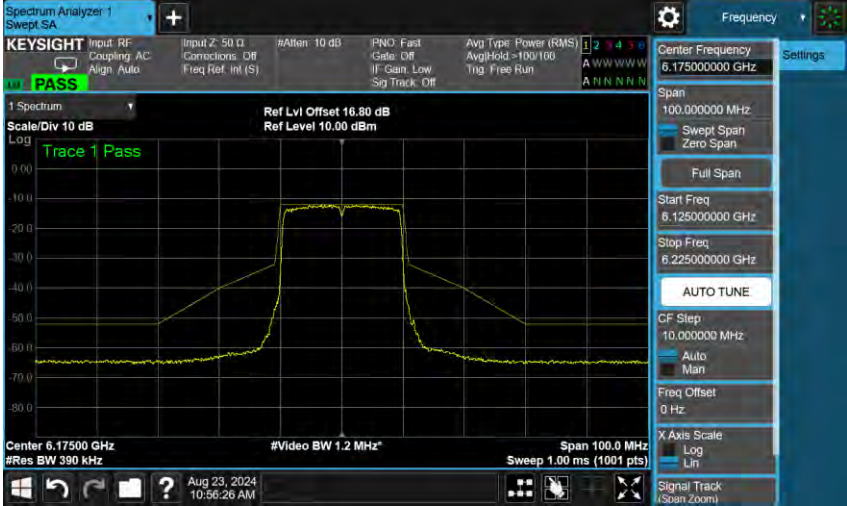
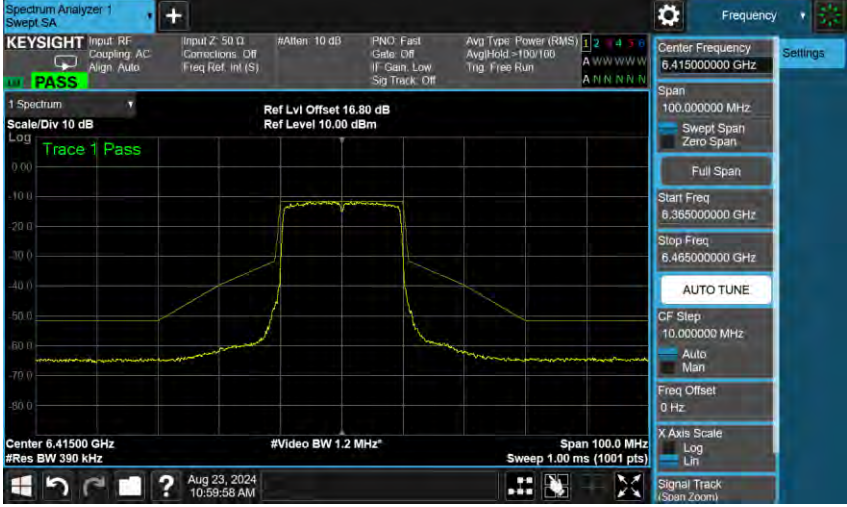
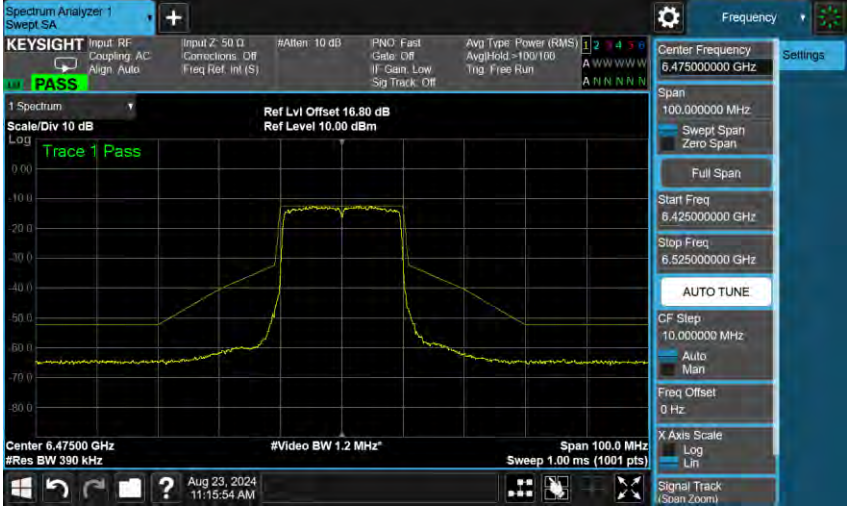
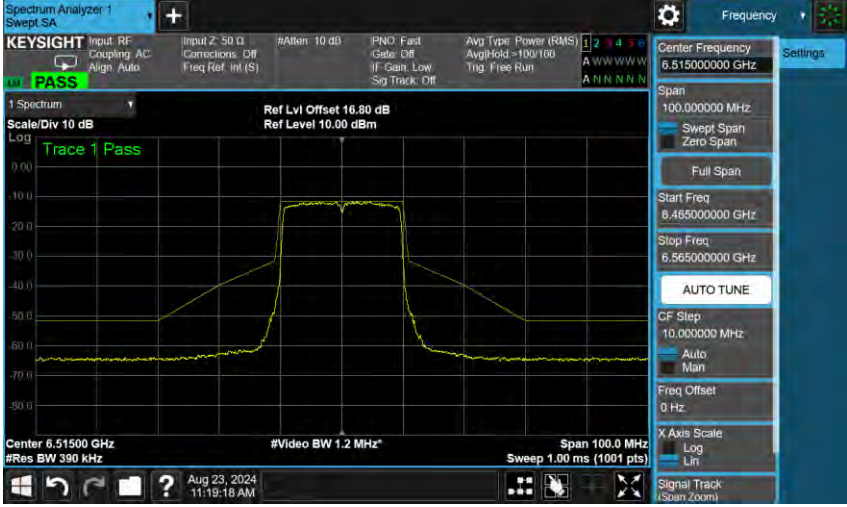


802.11ax HE20_ANT-1	
6175 MHz	
6415 MHz	

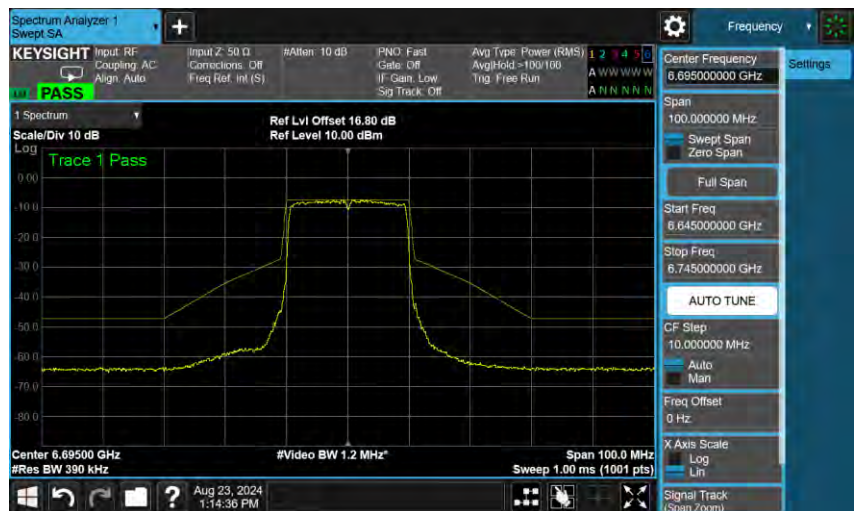
802.11ax HE20_ANT-1	
6475 MHz	
6515 MHz	

802.11ax HE20_ANT-1

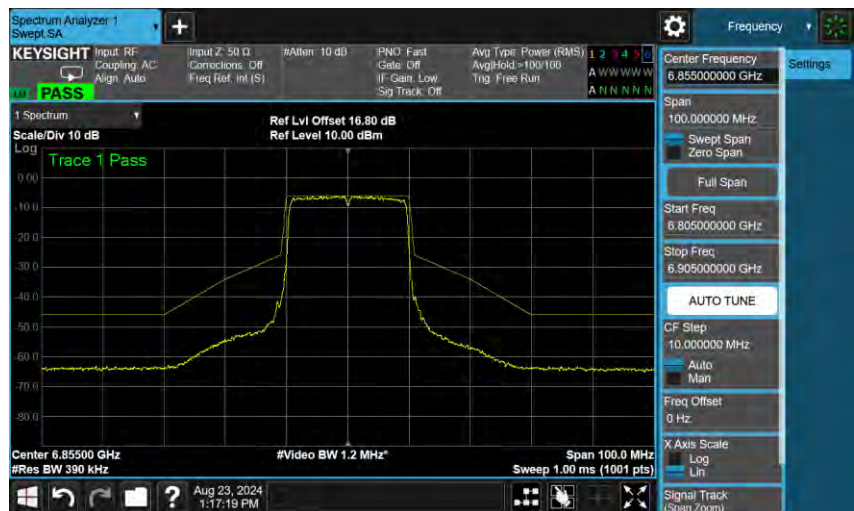
6535 MHz

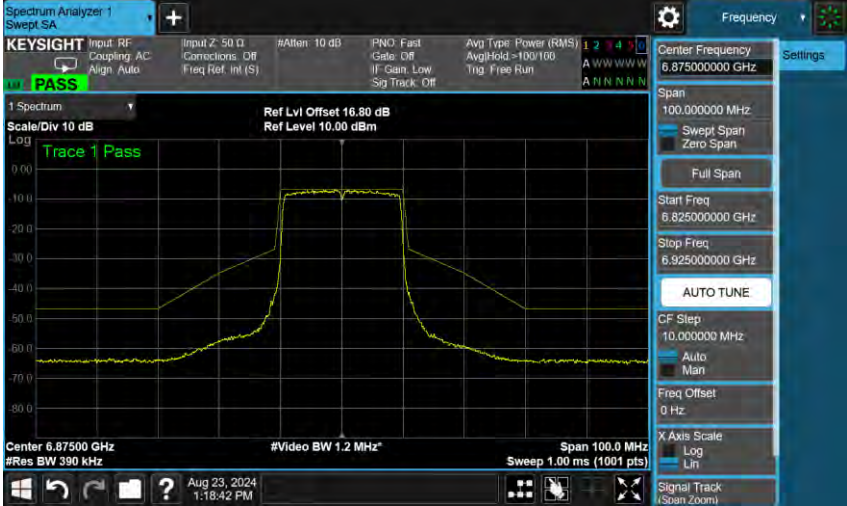
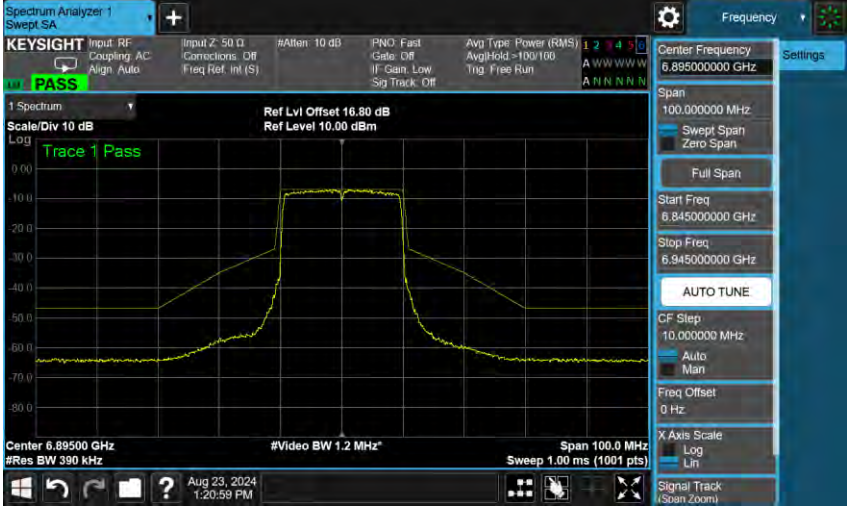
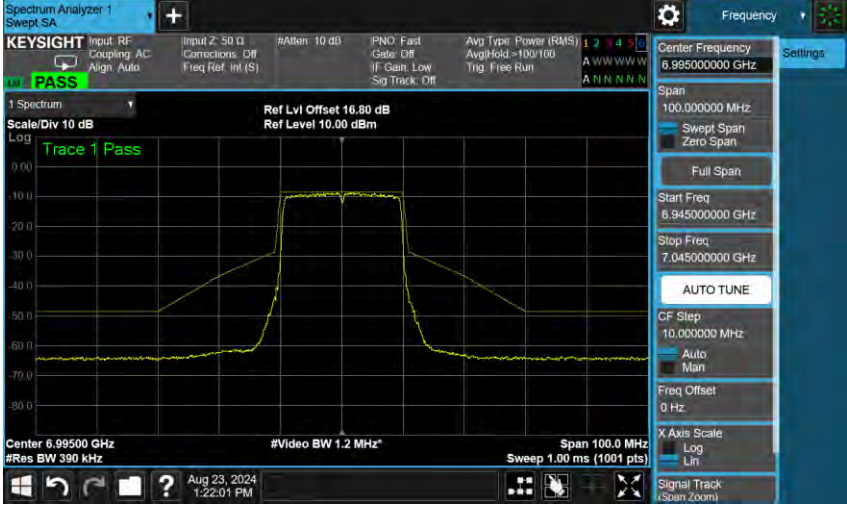


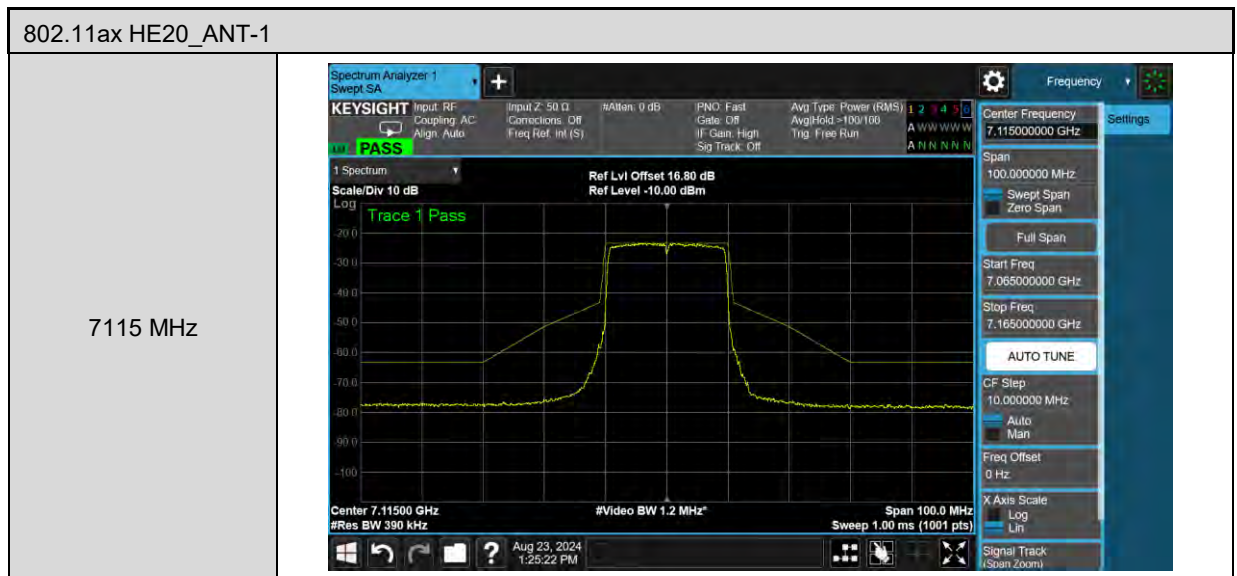
6695 MHz

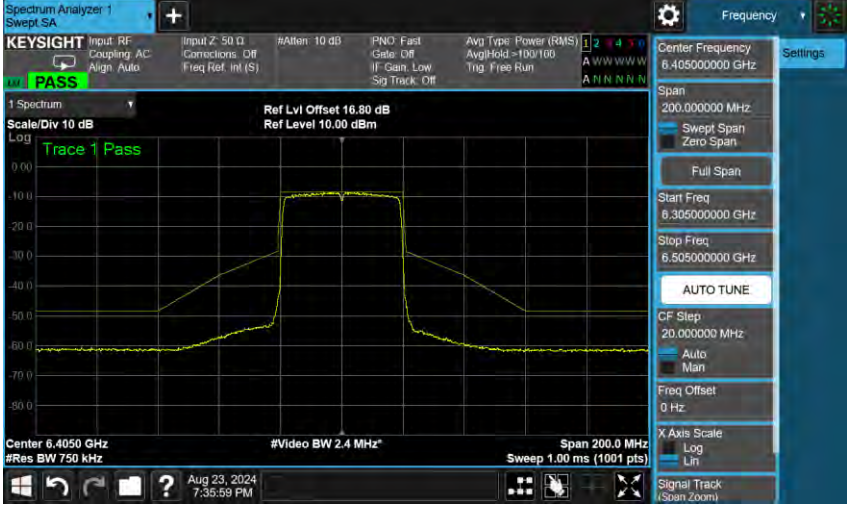


6855 MHz



802.11ax HE20_ANT-1	
6895 MHz	
6995 MHz	



802.11ax HE40_ANT-1	
6165 MHz	
6405 MHz	

802.11ax HE40_ANT-1

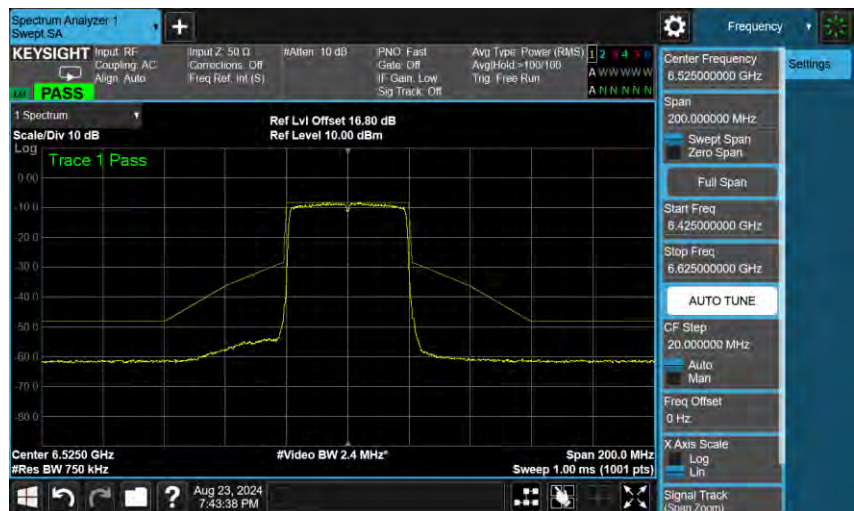
6445 MHz



6485 MHz



6525 MHz

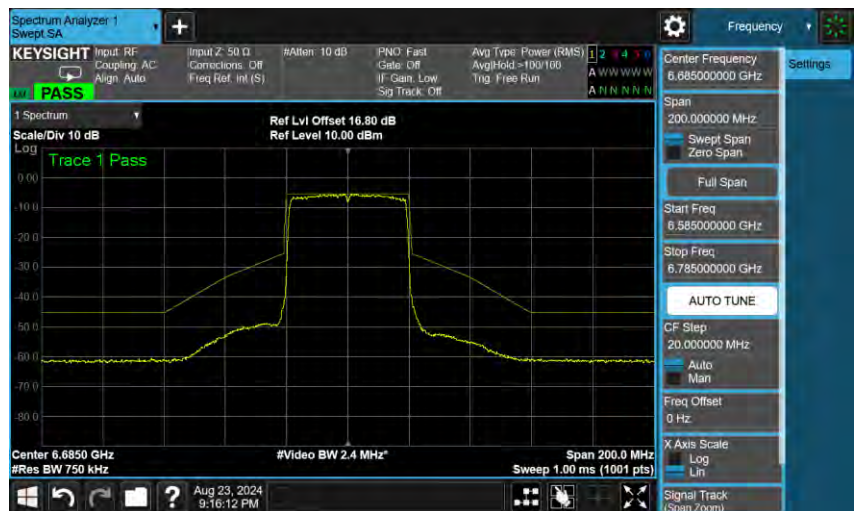


802.11ax HE40_ANT-1

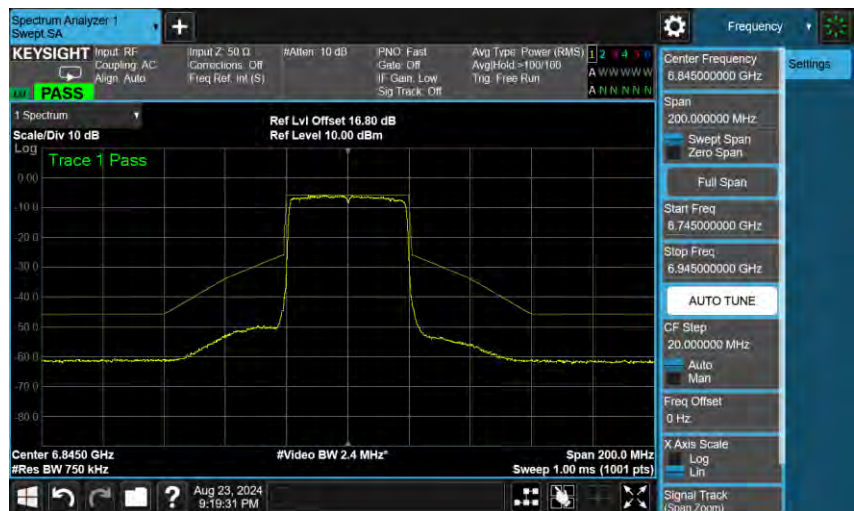
6565 MHz



6685 MHz



6845 MHz

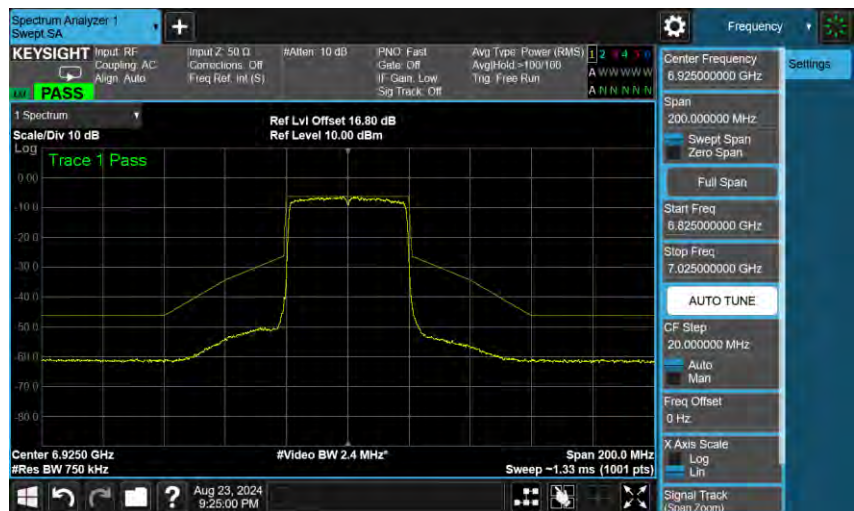


802.11ax HE40_ANT-1

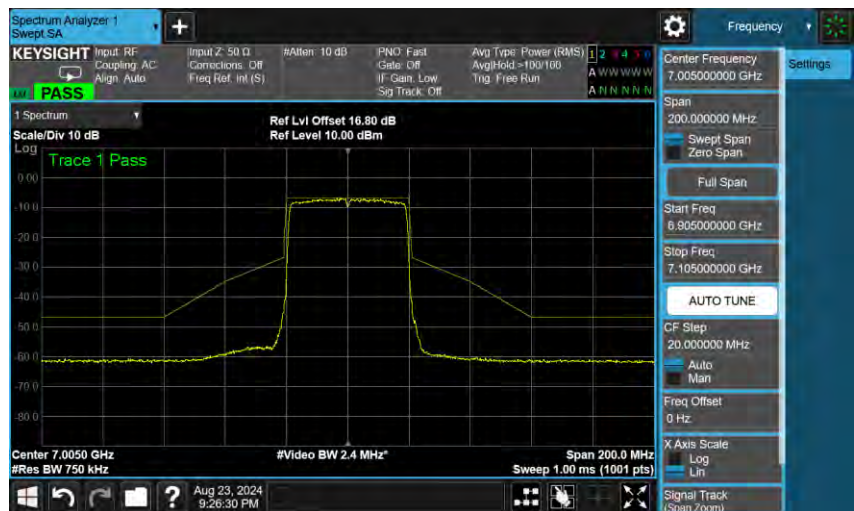
6885 MHz

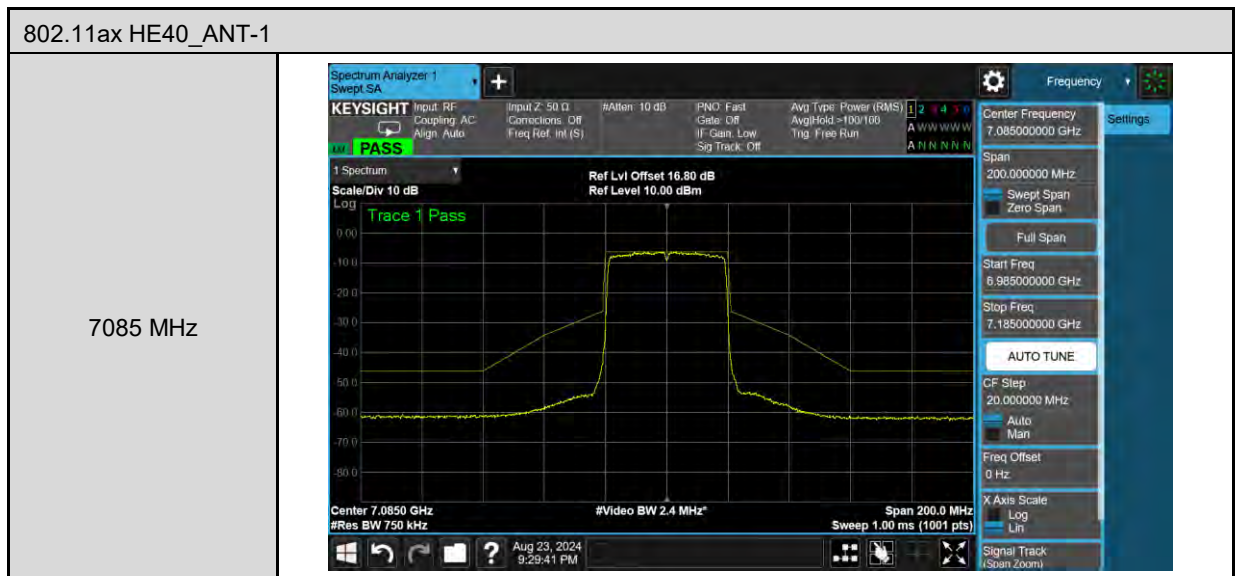


6925 MHz



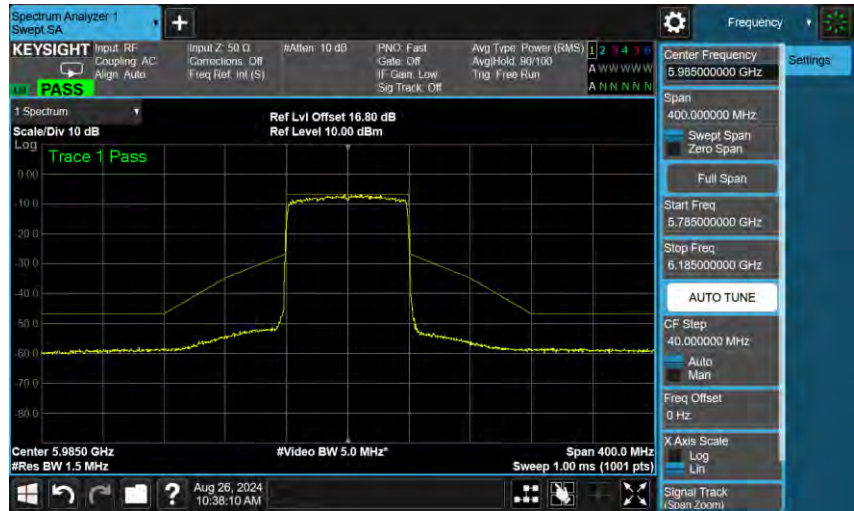
7005 MHz



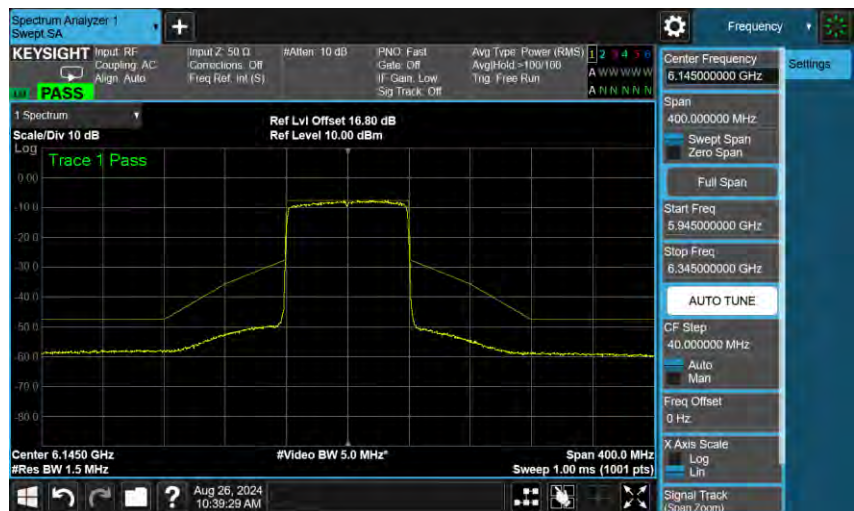


802.11ax HE80_ANT-1

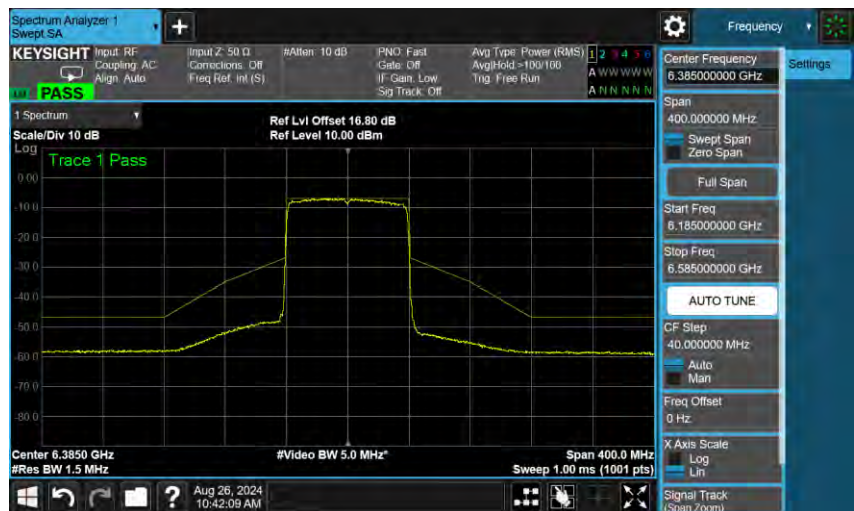
5985 MHz



6145 MHz



6385 MHz

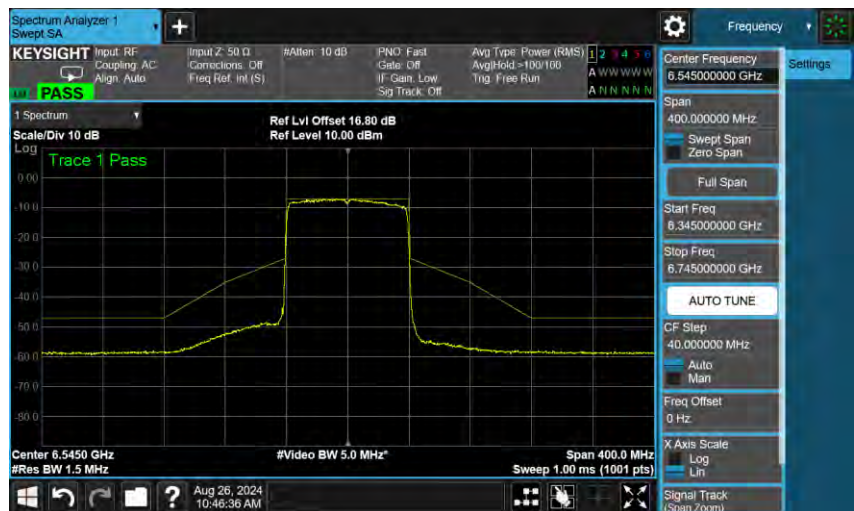


802.11ax HE80_ANT-1

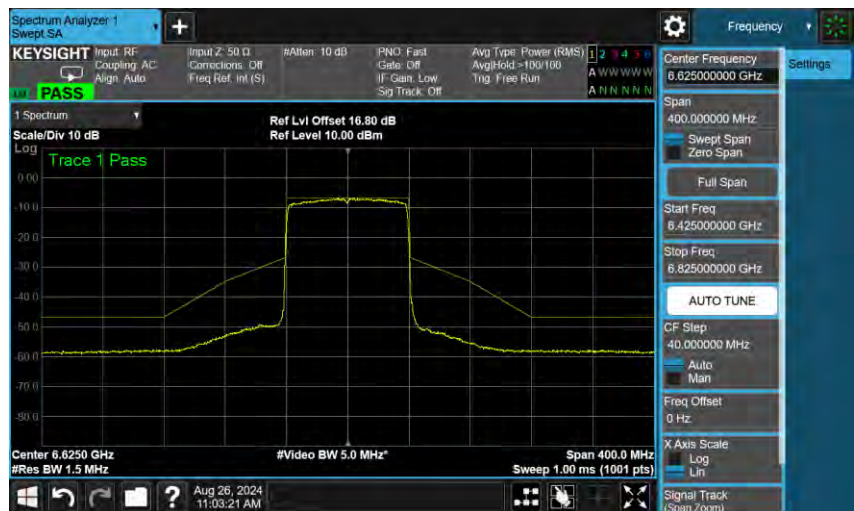
6465 MHz

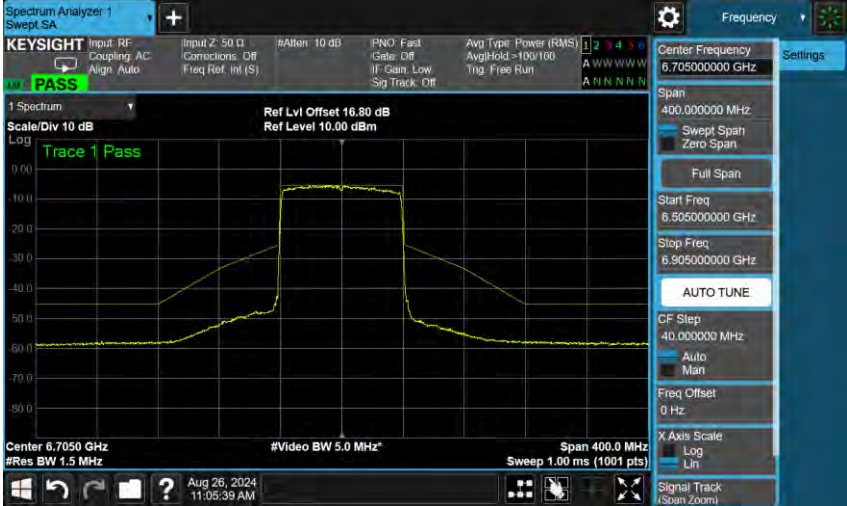
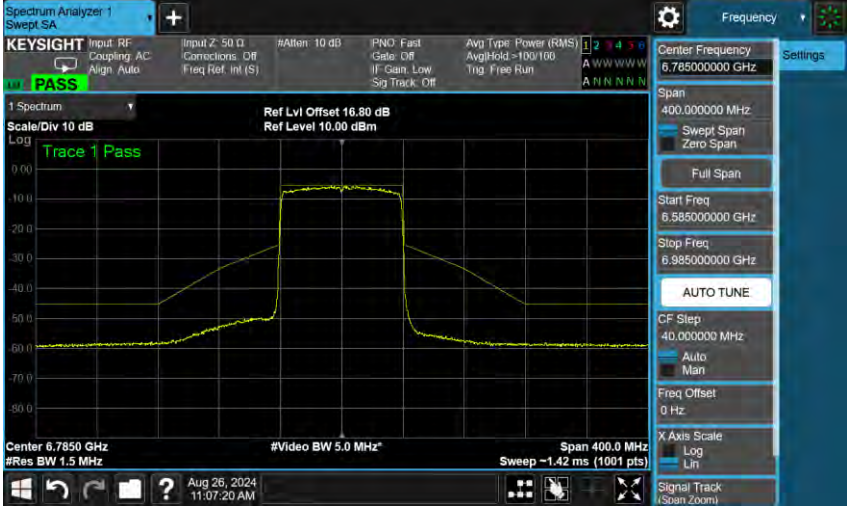
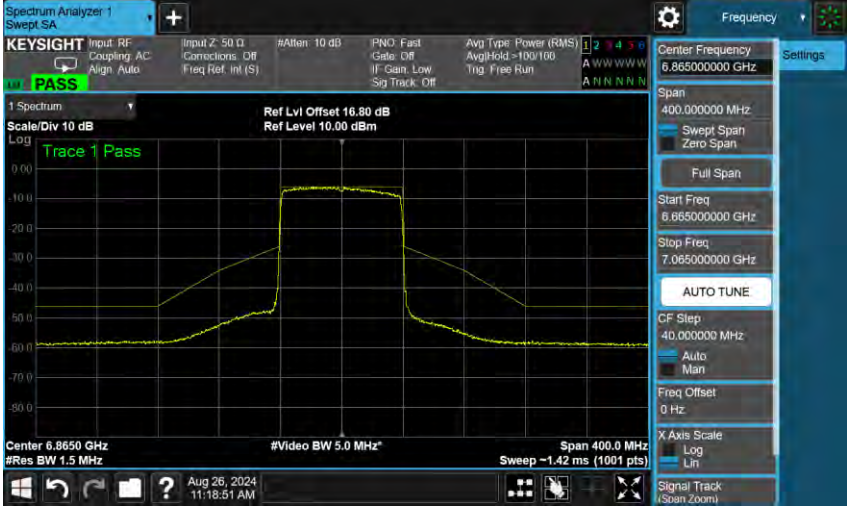


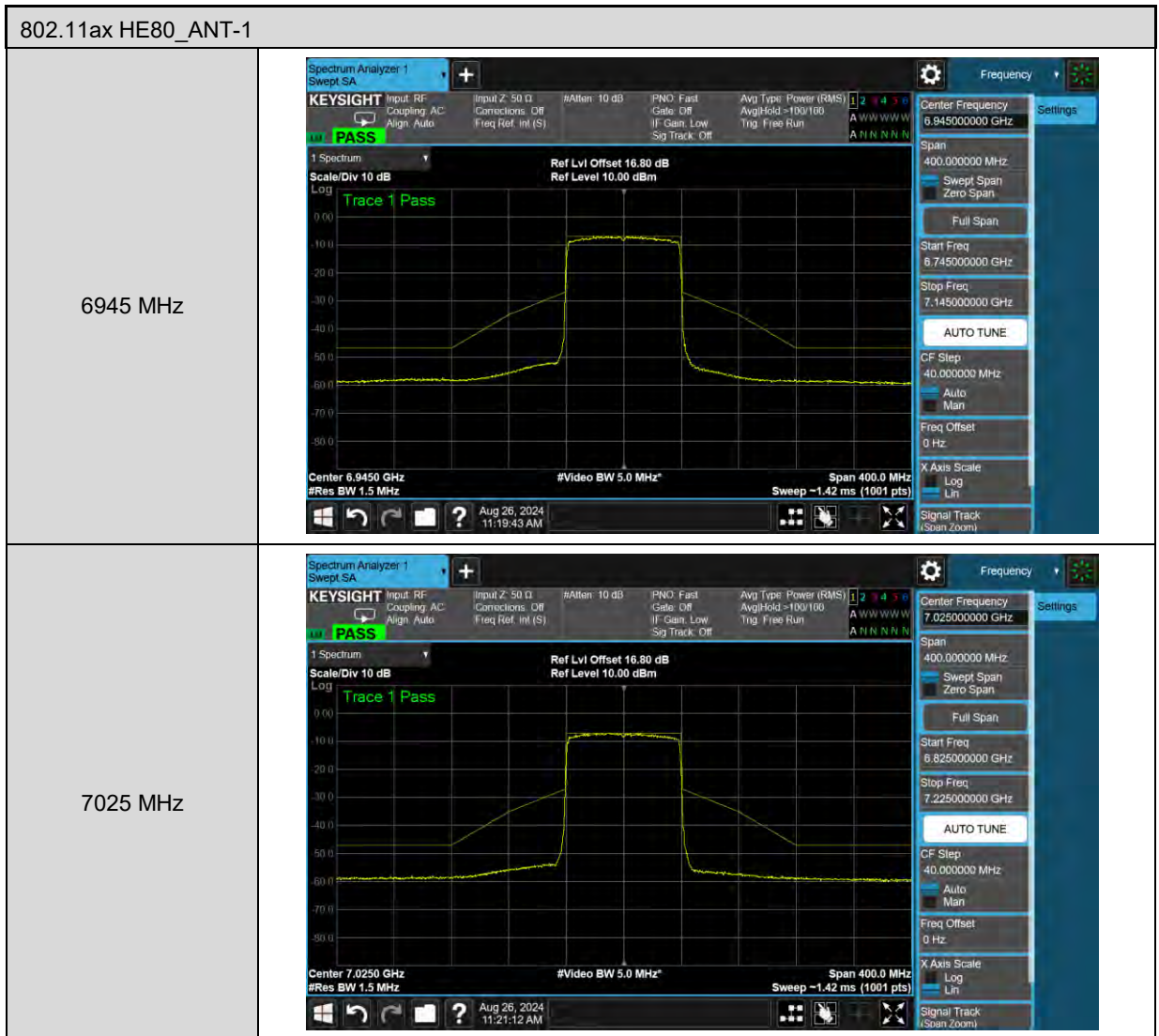
6545 MHz



6625 MHz



802.11ax HE80_ANT-1	
6785 MHz	
6865 MHz	



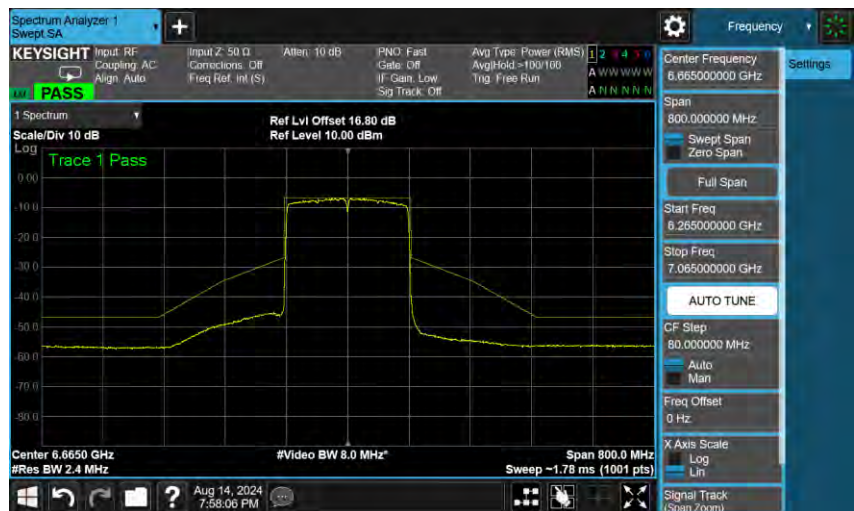


802.11ax HE160_ANT-1

6505 MHz

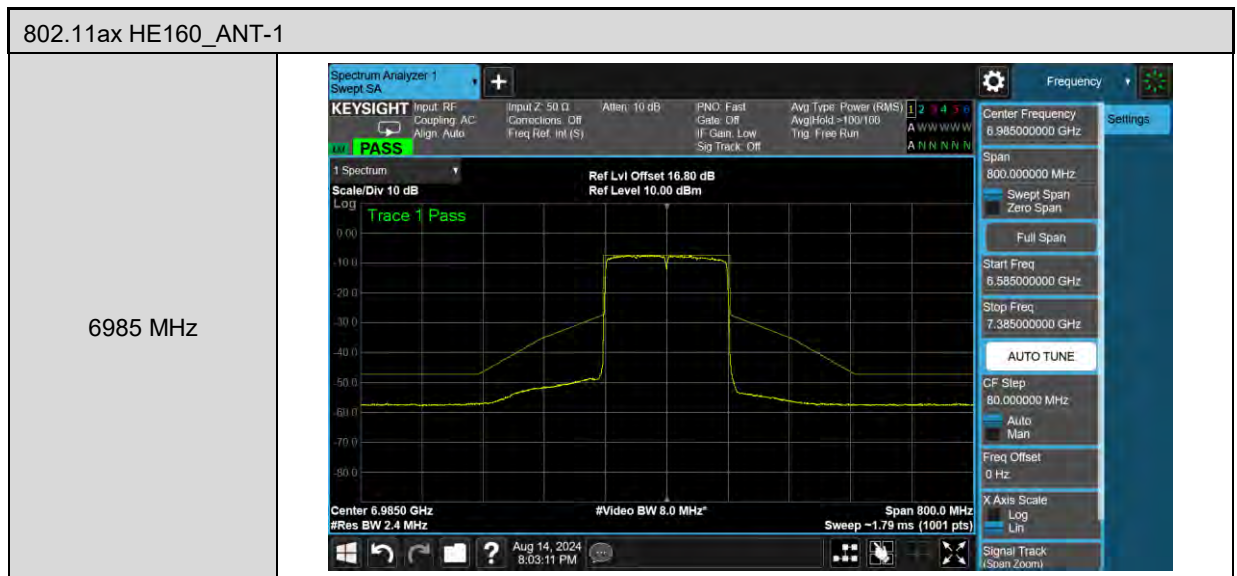


6665 MHz



6825 MHz





5.2.6. Contention Based Protocol Measurement

Band	Bandwidth (MHz)	AWGN Freq. (MHz)	Number of Times	Number of Detection	AWGN Detection Probability (%)	Limit Probability (%)	Result
U-NII-5	20	6135	10	10	100	90	PASS
	160	6110	10	10	100	90	PASS
		6185	10	10	100	90	PASS
		6260	10	10	100	90	PASS
U-NII-6	20	6455	10	10	100	90	PASS
	160	6430	10	10	100	90	PASS
		6505	10	10	100	90	PASS
		6580	10	10	100	90	PASS
U-NII-7	20	6695	10	10	100	90	PASS
	160	6590	10	10	100	90	PASS
		6665	10	10	100	90	PASS
		6740	10	10	100	90	PASS
U-NII-8	20	7015	10	10	100	90	PASS
	160	6910	10	10	100	90	PASS
		6985	10	10	100	90	PASS
		7060	10	10	100	90	PASS

Note 1 : Adjusted power = Injected (AWGN) power (dBm) – Antenna Gain (dBi).

Note 2 : Injected (AWGN) power Include Path Loss.

Contention Based Protocol Threshold Level Verify									
UNII	Bandwidth (MHz)	Channel	Frequency (MHz)	Interference Freq (MHz)	Injected (AWGN) power (dBm)	Antenna Gain (dBi)	The Lowest Detection Level of AWGN Interference (dBm)	Detection Limit (dBm)	Situation of EUT
5	20	37	6135	6135	-79.01	1.99	-81.00	-62.00	OFF
					-80.01	1.99	-82.00	-62.00	Minimal
					-81.01	1.99	-83.00	-62.00	ON
	160	47	6185	6110	-75.01	1.99	-77.00	-62.00	OFF
					-76.01	1.99	-78.00	-62.00	Minimal
					-78.01	1.99	-80.00	-62.00	ON
				6185	-69.01	1.99	-71.00	-62.00	OFF
					-70.01	1.99	-72.00	-62.00	Minimal
					-71.01	1.99	-73.00	-62.00	ON
				6260	-73.01	1.99	-75.00	-62.00	OFF
					-74.01	1.99	-76.00	-62.00	Minimal
					-76.01	1.99	-78.00	-62.00	ON
6	20	101	6455	6455	-76.44	2.56	-79.00	-62.00	OFF
					-77.44	2.56	-80.00	-62.00	Minimal
					-80.44	2.56	-83.00	-62.00	ON
	160	111	6505	6430	-72.44	2.56	-75.00	-62.00	OFF
					-73.44	2.56	-76.00	-62.00	Minimal
					-75.44	2.56	-78.00	-62.00	ON
				6505	-66.44	2.56	-69.00	-62.00	OFF
					-67.44	2.56	-70.00	-62.00	Minimal
					-69.44	2.56	-72.00	-62.00	ON
				6580	-71.44	2.56	-74.00	-62.00	OFF
					-72.44	2.56	-75.00	-62.00	Minimal
					-74.44	2.56	-77.00	-62.00	ON
7	20	149	6695	6695	-77.44	2.56	-80.00	-62.00	OFF
					-78.44	2.56	-81.00	-62.00	Minimal
					-80.44	2.56	-83.00	-62.00	ON
	160	143	6665	6590	-72.44	2.56	-75.00	-62.00	OFF
					-73.44	2.56	-76.00	-62.00	Minimal
					-74.44	2.56	-77.00	-62.00	ON
				6665	-69.44	2.56	-72.00	-62.00	OFF
					-70.44	2.56	-73.00	-62.00	Minimal
					-71.44	2.56	-74.00	-62.00	ON
				6740	-72.44	2.56	-75.00	-62.00	OFF
					-73.44	2.56	-76.00	-62.00	Minimal
					-75.44	2.56	-78.00	-62.00	ON

Note 1 : Adjusted power = Injected (AWGN) power (dBm) – Antenna Gain (dBi).

Note 2 : Injected (AWGN) power Include Path Loss.

Contention Based Protocol Threshold Level Verify									
UNII	Bandwidth (MHz)	Channel	Frequency (MHz)	Interference Freq (MHz)	Injected (AWGN) power (dBm)	Antenna Gain (dBi)	The Lowest Detection Level of AWGN Interference (dBm)	Detection Limit (dBm)	Situation of EUT
8	20	213	7015	7015	-75	2.00	-77.00	-62.00	OFF
					-76	2.00	-78.00	-62.00	Minimal
					-79	2.00	-81.00	-62.00	ON
	160	207	6985	6910	-74	2.00	-76.00	-62.00	OFF
					-75	2.00	-77.00	-62.00	Minimal
					-77	2.00	-79.00	-62.00	ON
				6985	-63	2.00	-65.00	-62.00	OFF
					-64	2.00	-66.00	-62.00	Minimal
					-65	2.00	-67.00	-62.00	ON
				7060	-69	2.00	-71.00	-62.00	OFF
					-70	2.00	-72.00	-62.00	Minimal
					-72	2.00	-74.00	-62.00	ON

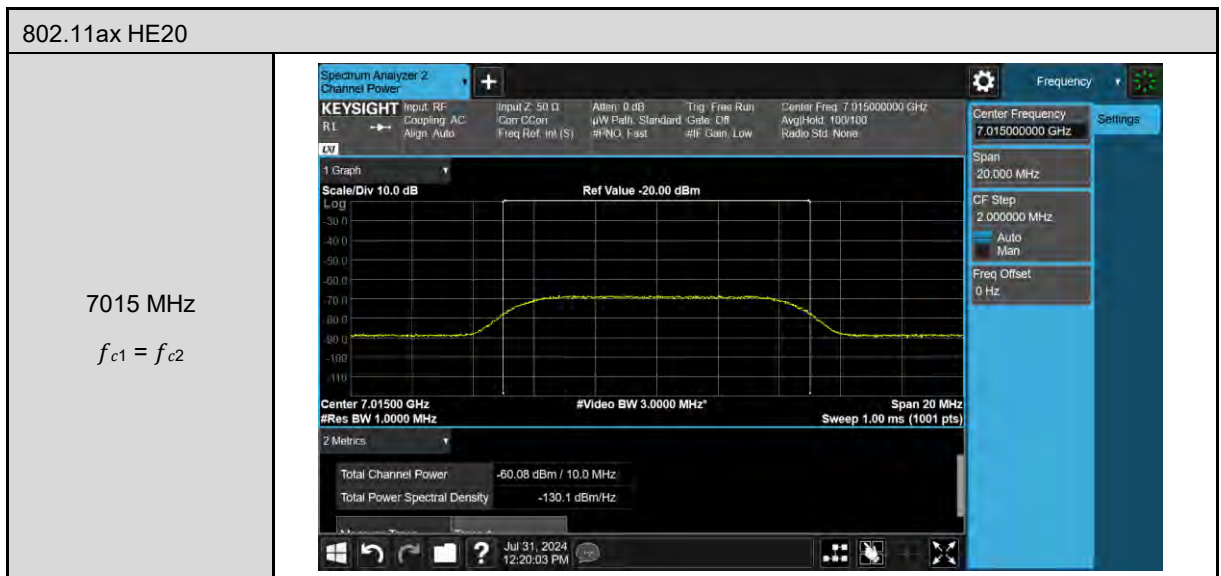
Note 1 : Adjusted power = Injected (AWGN) power (dBm) – Antenna Gain (dBi).

Note 2 : Injected (AWGN) power Include Path Loss.

■ Test Graphs

Threshold level of AWGN interference Plot

802.11ax HE20 6135 MHz $f_{c1} = f_{c2}$	
6455 MHz $f_{c1} = f_{c2}$	
6695 MHz $f_{c1} = f_{c2}$	



802.11ax HE160	 6110 MHz Lower Edge
6185 MHz $f_{c1} = f_{c2}$	 6185 MHz $f_{c1} = f_{c2}$
6260 MHz Upper Edge	 6260 MHz Upper Edge

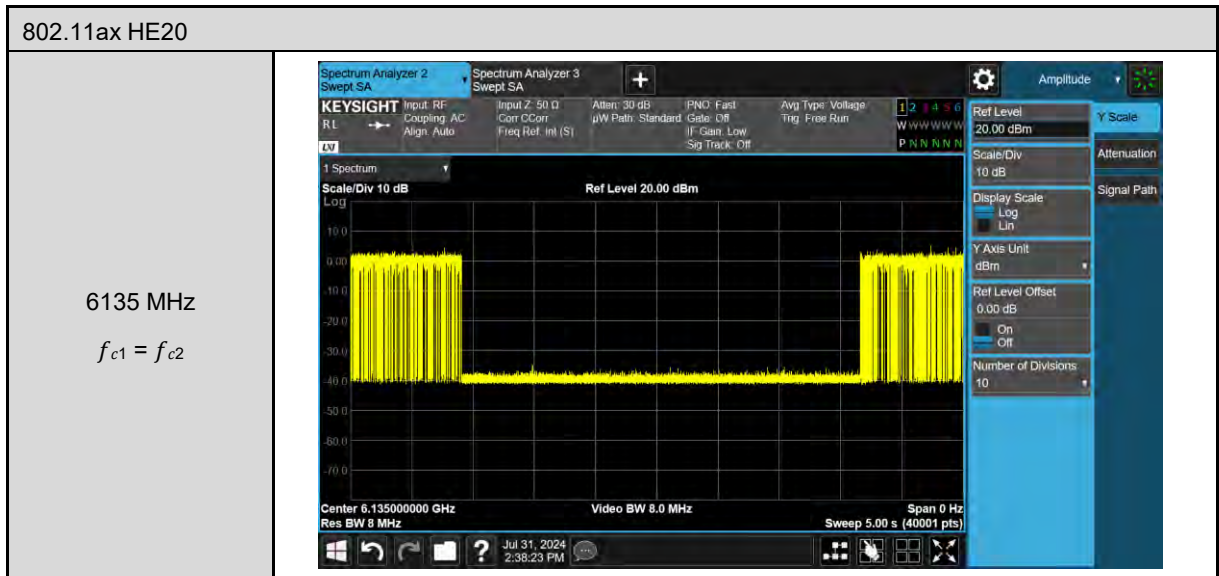
802.11ax HE160	
6505 MHz $f_{c1} = f_{c2}$	
6580 MHz Upper Edge	

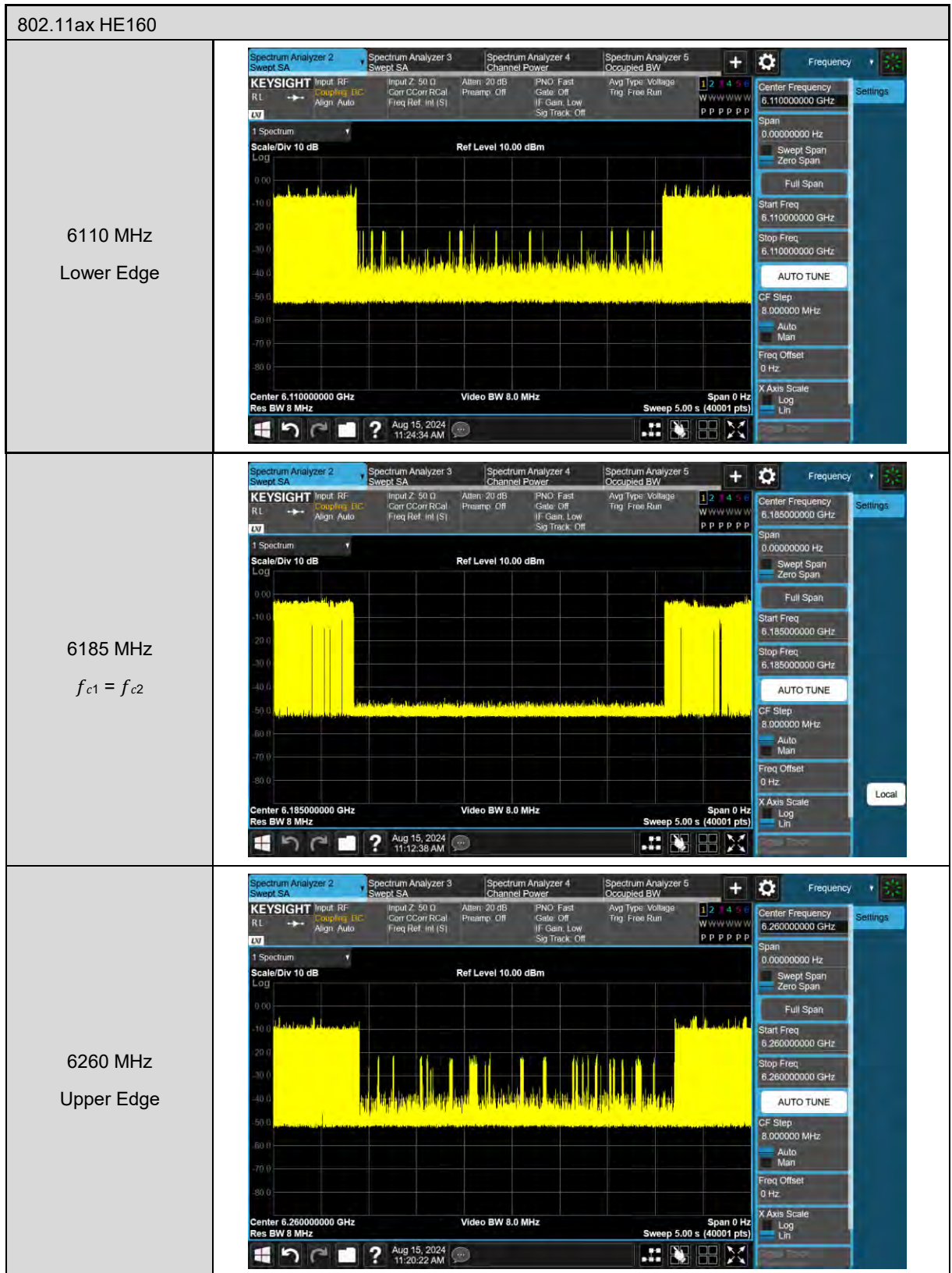
802.11ax HE160	 6590 MHz Lower Edge
6665 MHz $f_{c1} = f_{c2}$	 6665 MHz $f_{c1} = f_{c2}$
6740 MHz Upper Edge	 6740 MHz Upper Edge

802.11ax HE160	 6910 MHz Lower Edge
6985 MHz $f_{c1} = f_{c2}$	 6985 MHz $f_{c1} = f_{c2}$
7060 MHz Upper Edge	 7060 MHz Upper Edge

Contention Based Protocol Plot

UNII 5:





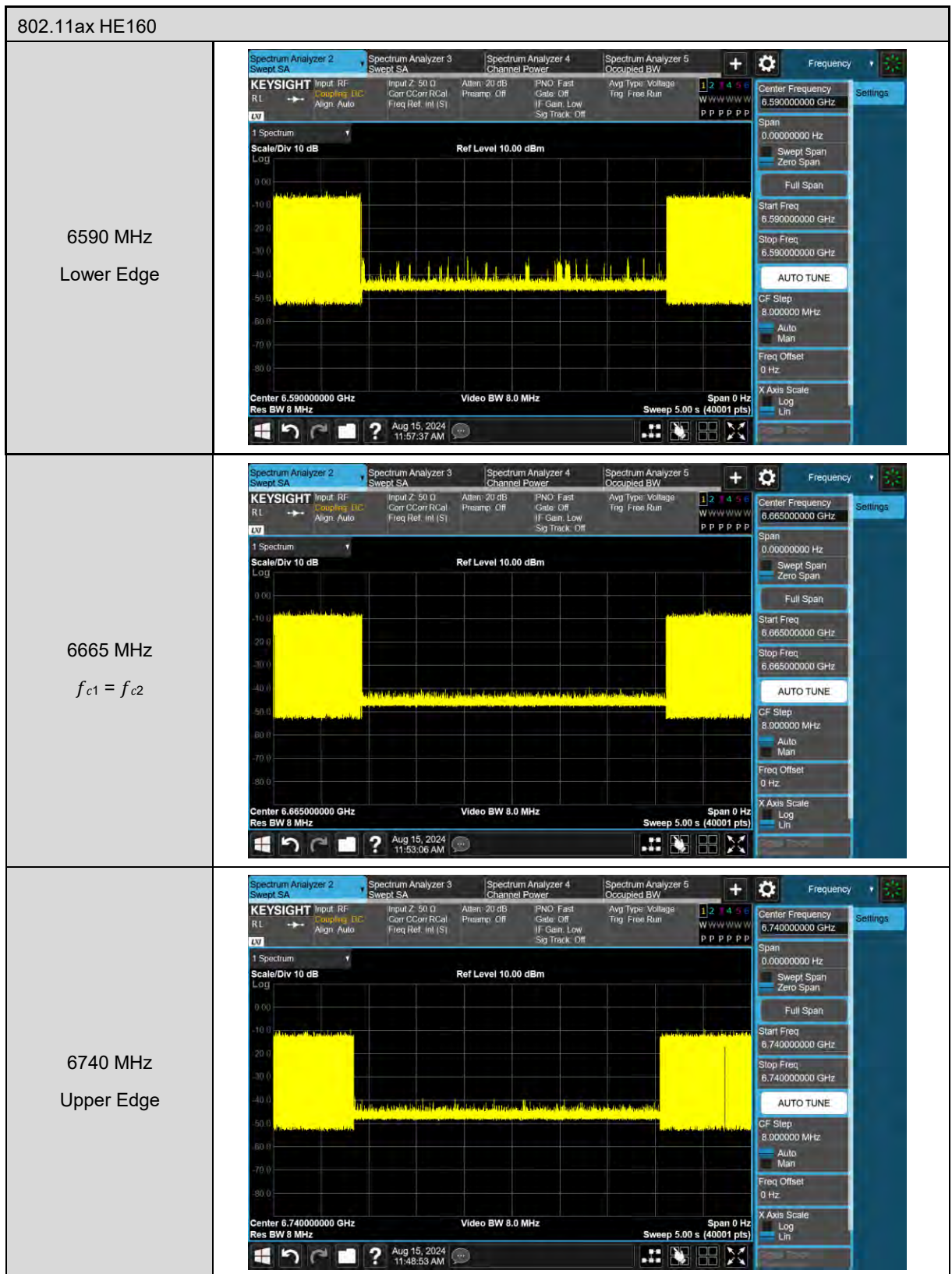
UNII 6:

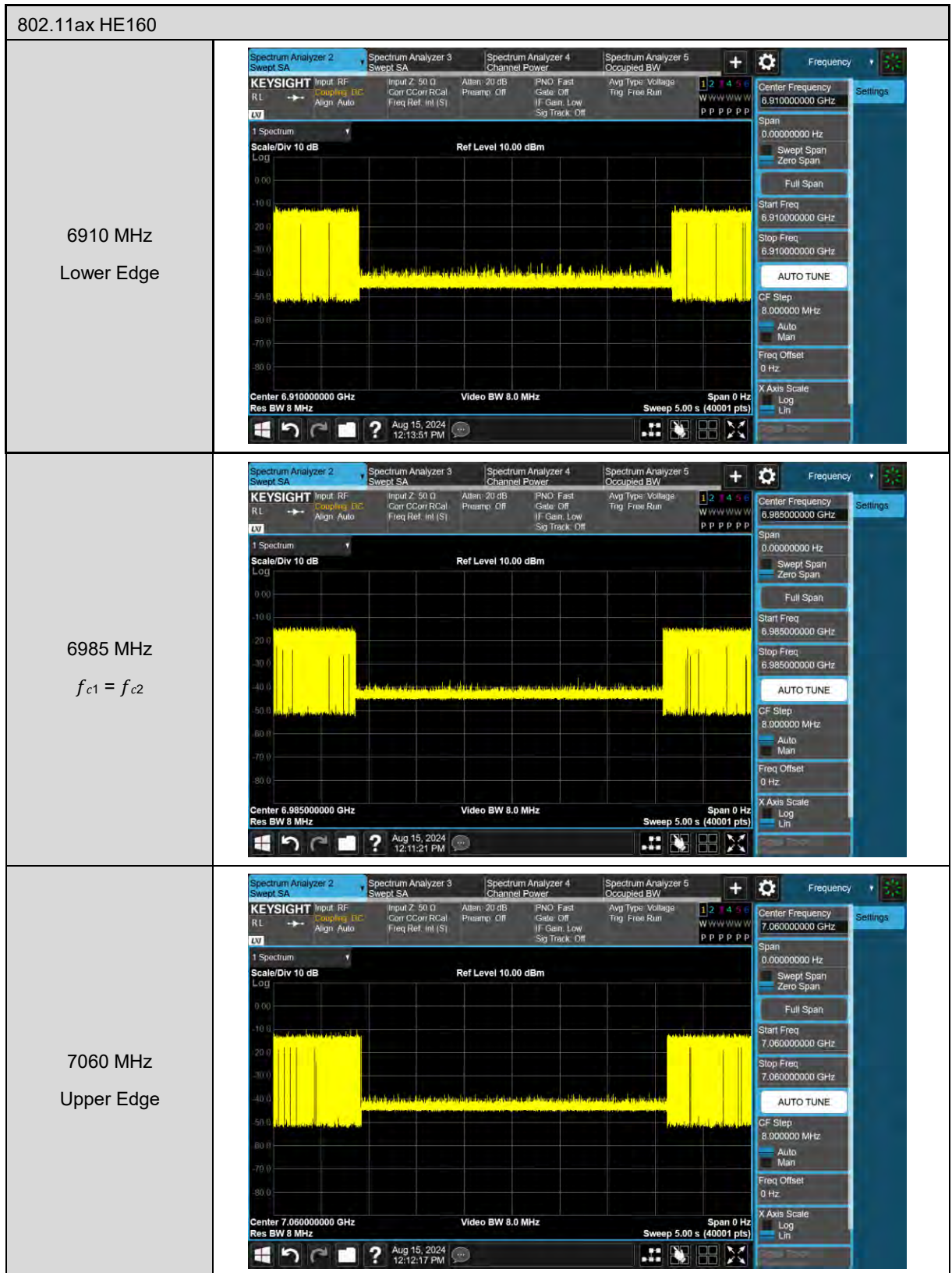




UNII 7:

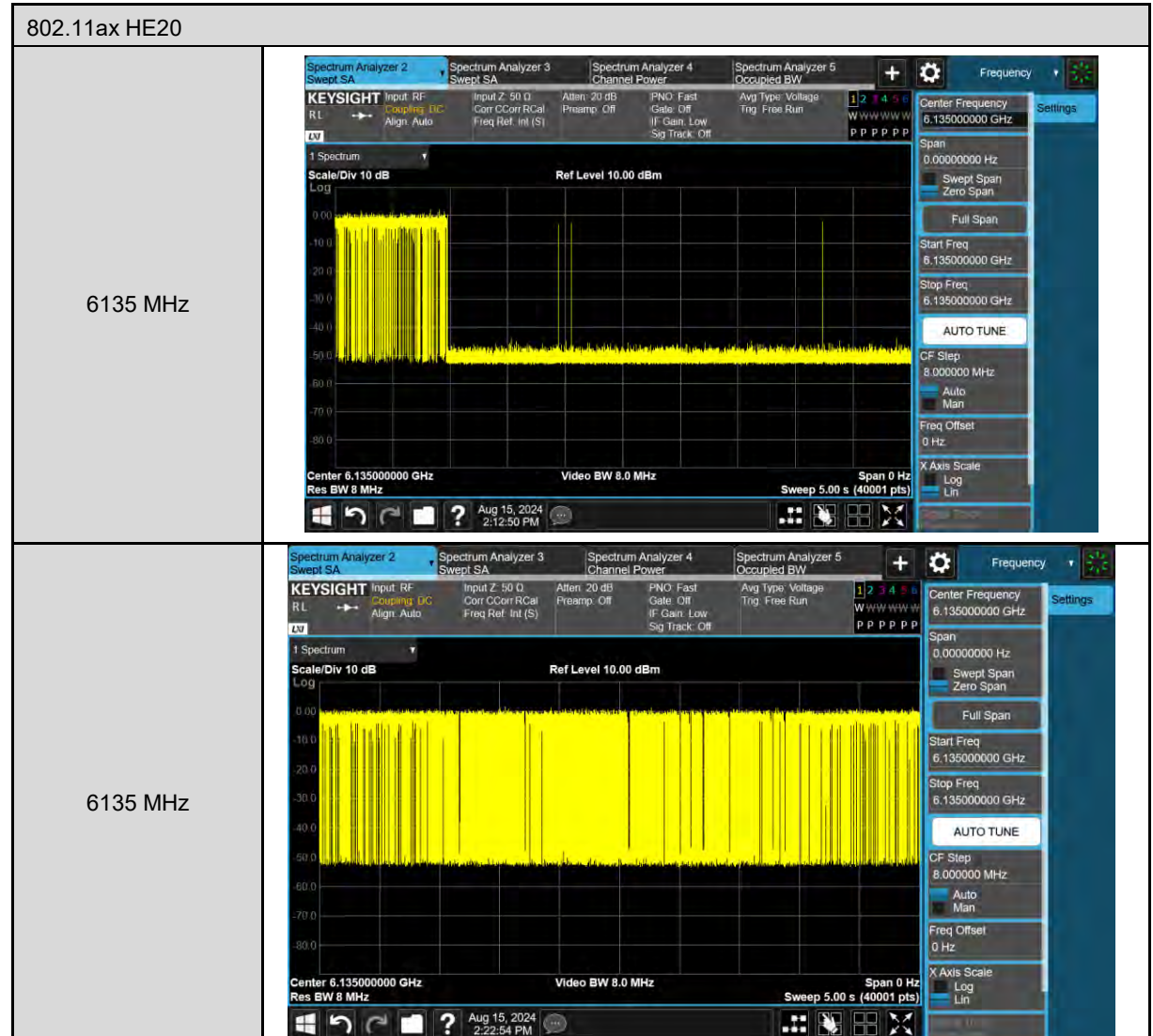


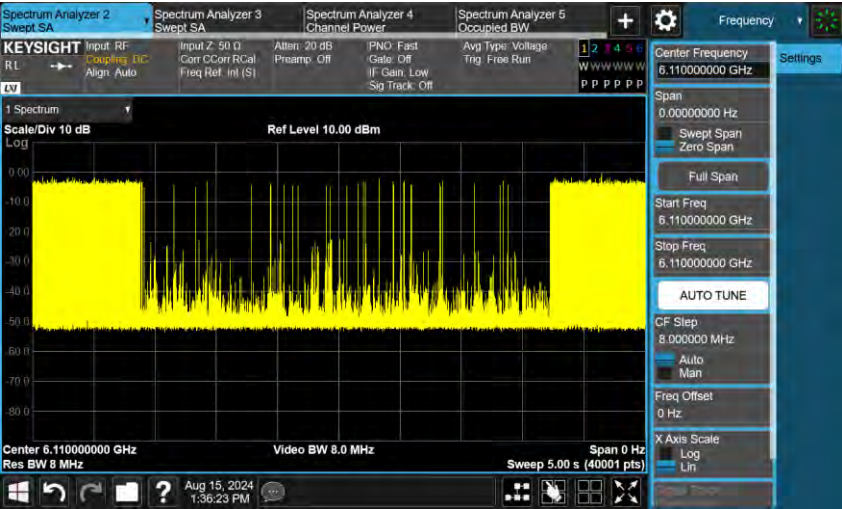
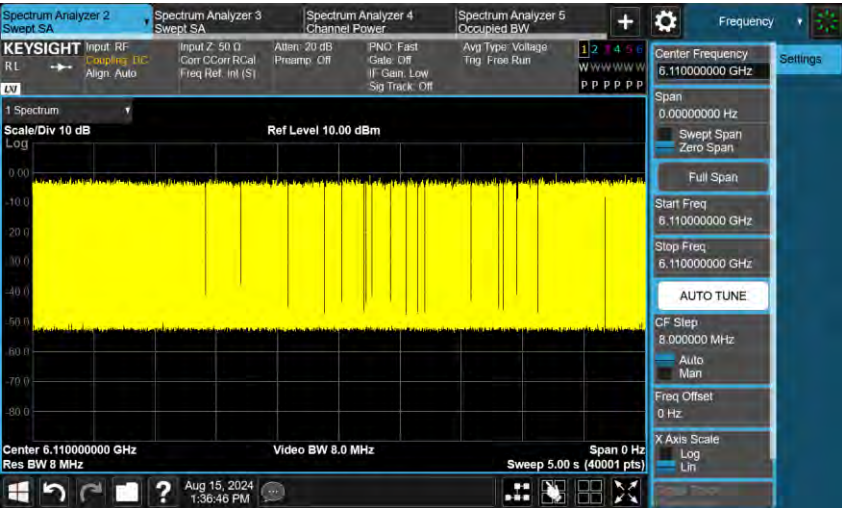


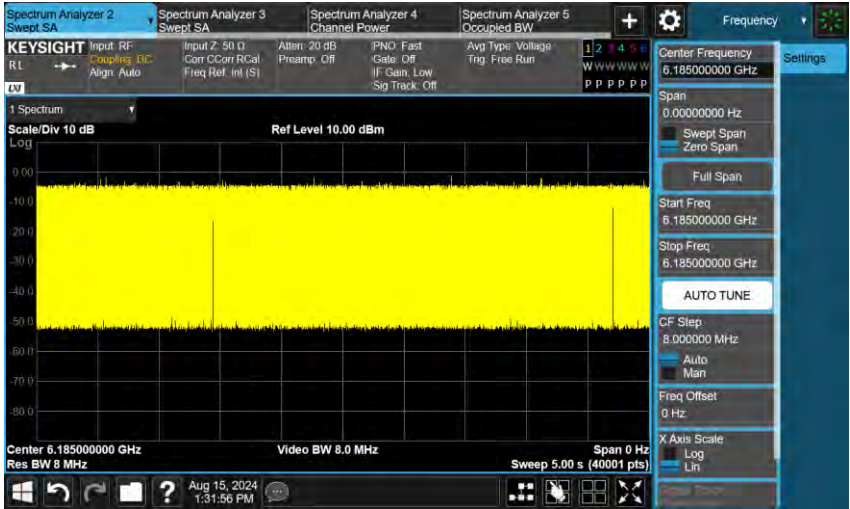
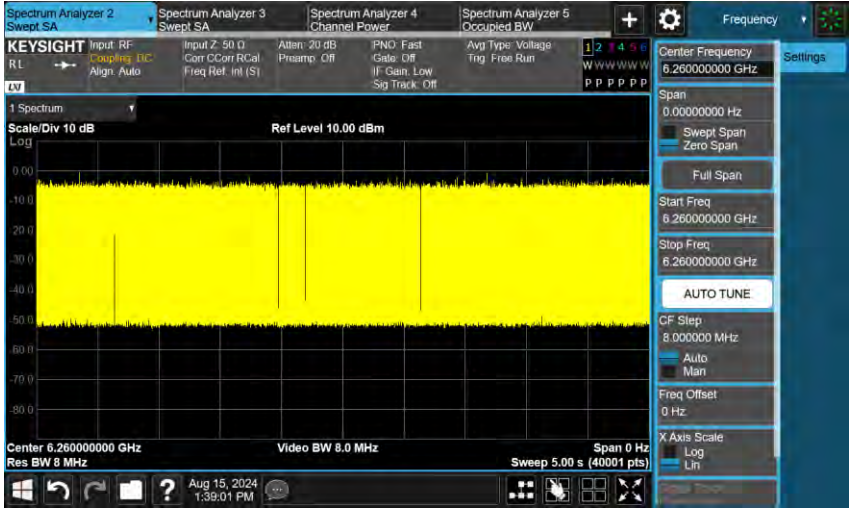


Contention Based Protocol Threshold Level Verify

UNII 5:

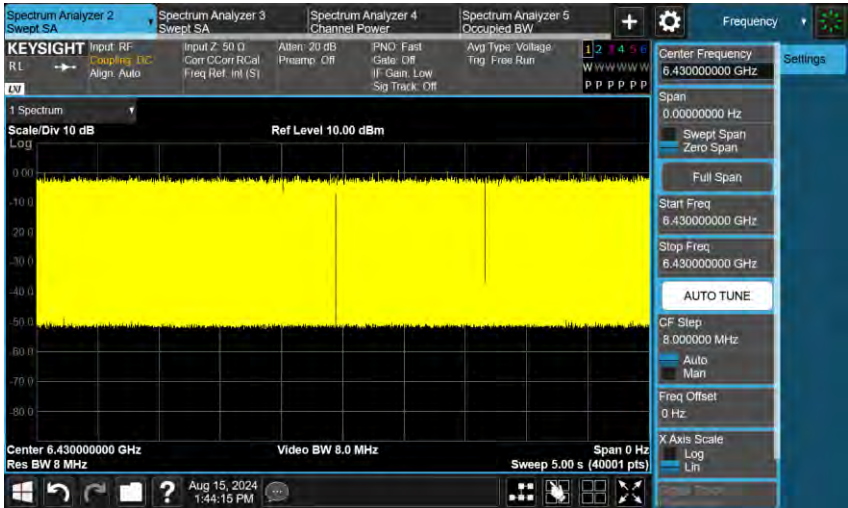


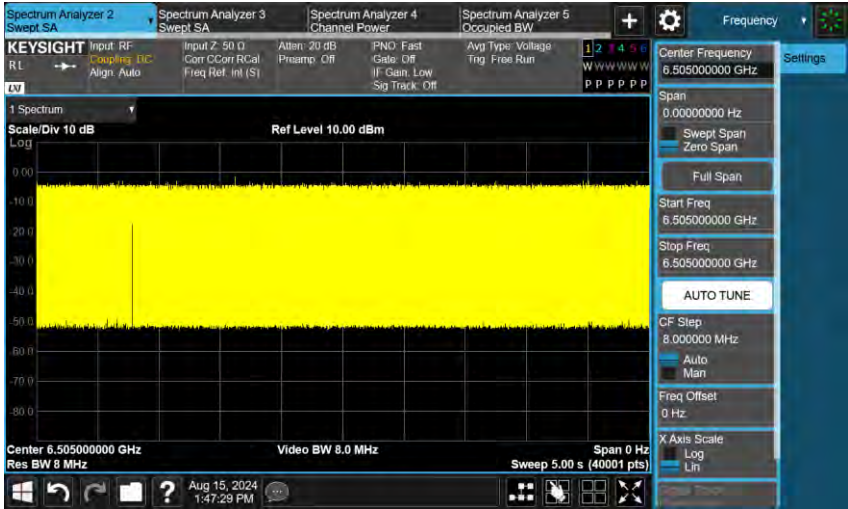
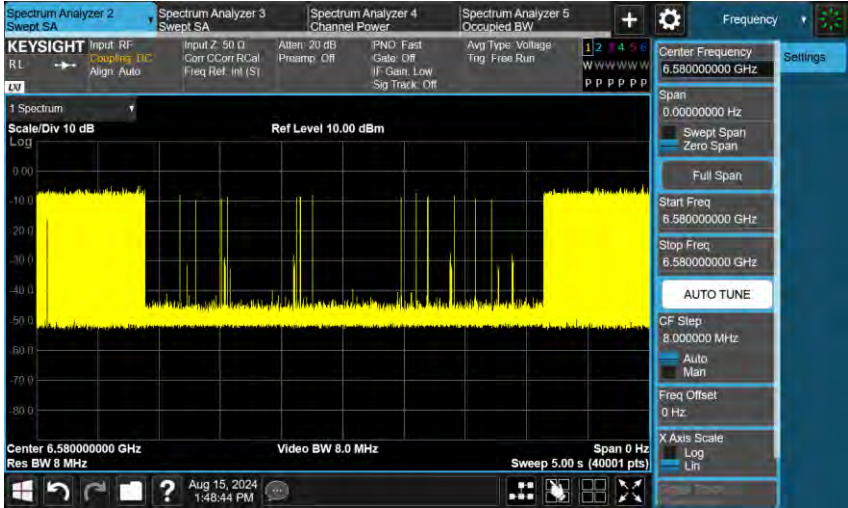
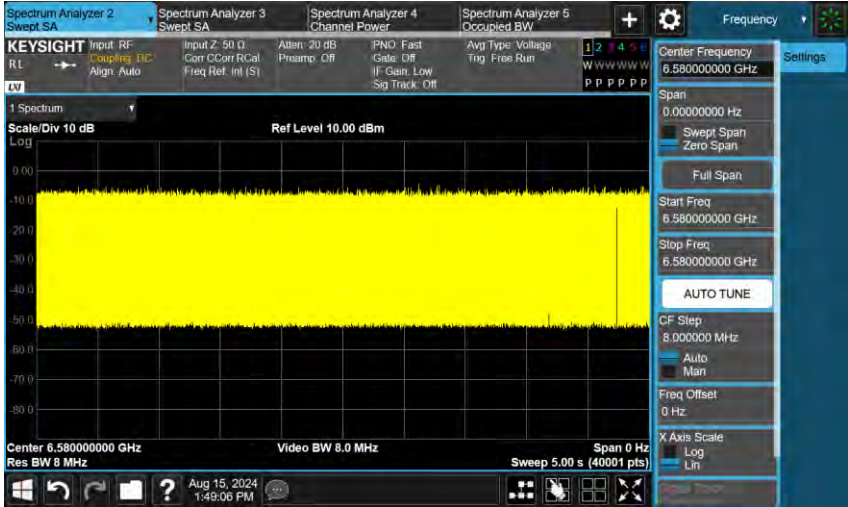
802.11ax HE16Q	
6110 MHz	
6110 MHz	
6185 MHz	

802.11ax HE160	
6185 MHz	
6260 MHz	
6260 MHz	

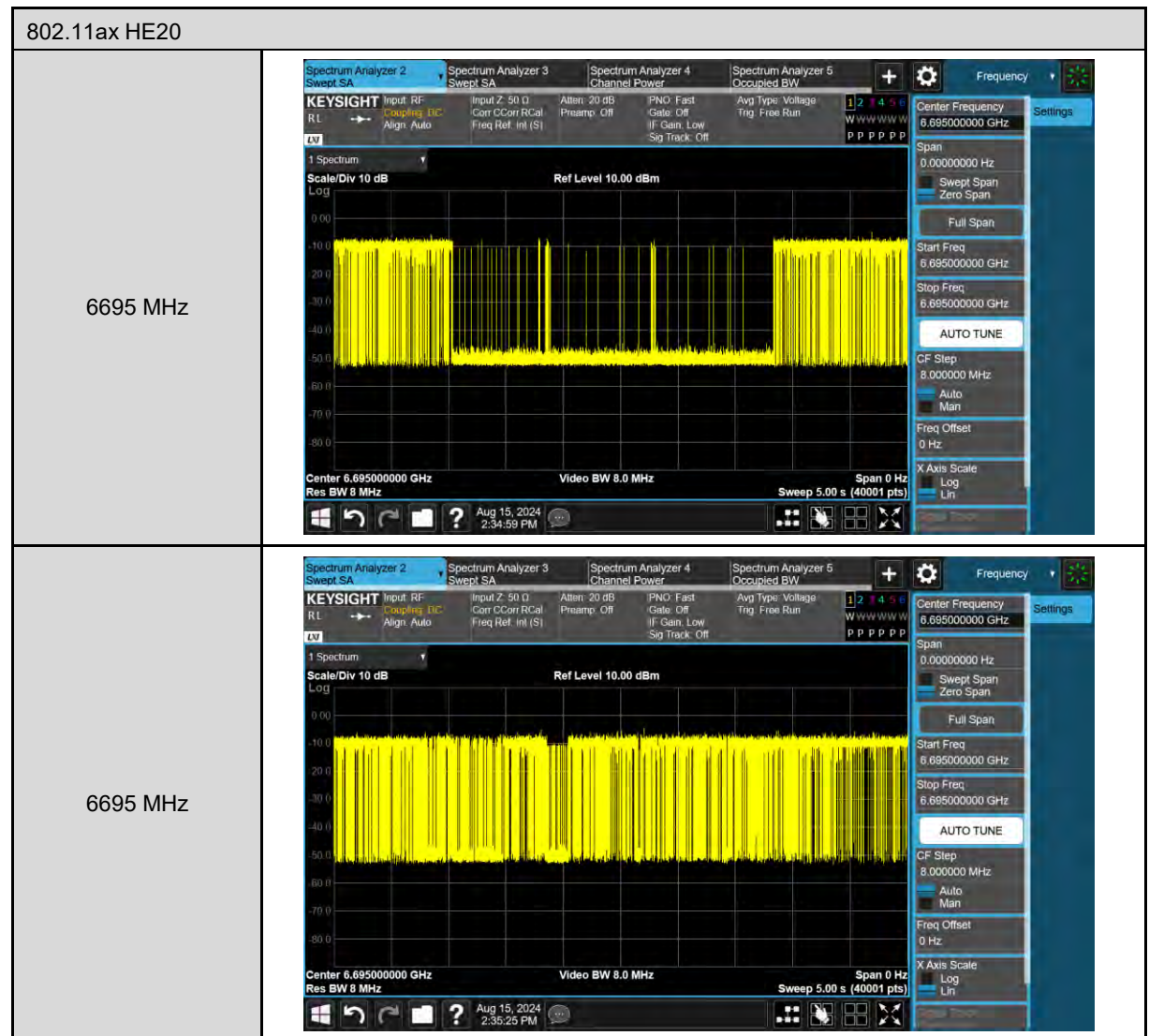
UNII 6:



802.11ax HE160	 The screenshot shows a Keysight Spectrum Analyzer interface. The center frequency is set to 6.430000000 GHz. The span is 0.00000000 Hz, and the swept span is zero. The scale/div is 10 dB, and the resolution bandwidth is 8 MHz. The video bandwidth is 8.0 MHz. The sweep rate is 5.00 s (40001 pts). The reference level is 10.00 dBm. The signal is shown as a yellow trace on a black background.
6430 MHz	 The screenshot shows a Keysight Spectrum Analyzer interface. The center frequency is set to 6.430000000 GHz. The span is 0.00000000 Hz, and the swept span is zero. The scale/div is 10 dB, and the resolution bandwidth is 8 MHz. The video bandwidth is 8.0 MHz. The sweep rate is 5.00 s (40001 pts). The reference level is 10.00 dBm. The signal is shown as a yellow trace on a black background.
6505 MHz	 The screenshot shows a Keysight Spectrum Analyzer interface. The center frequency is set to 6.505000000 GHz. The span is 0.00000000 Hz, and the swept span is zero. The scale/div is 10 dB, and the resolution bandwidth is 8 MHz. The video bandwidth is 8.0 MHz. The sweep rate is 5.00 s (40001 pts). The reference level is 10.00 dBm. The signal is shown as a yellow trace on a black background.

802.11ax HE16Q	
6505 MHz	
6580 MHz	
6580 MHz	

UNII 7:

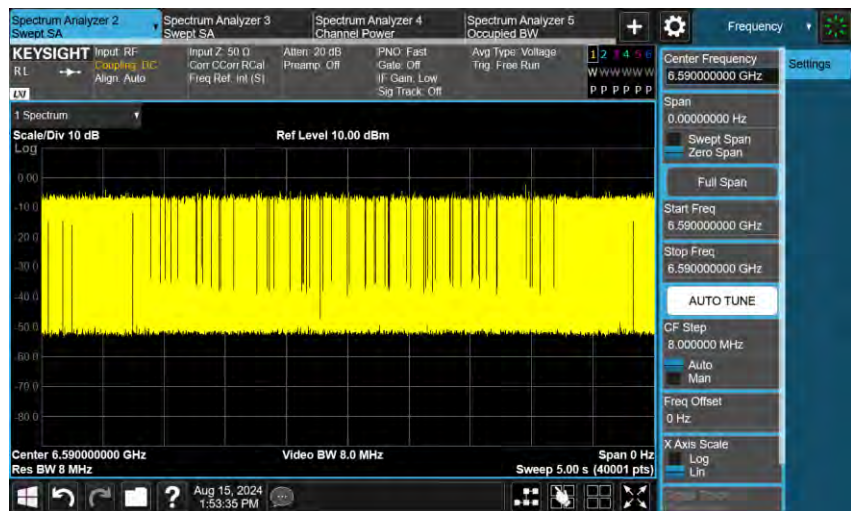


802.11ax HE160

6590 MHz

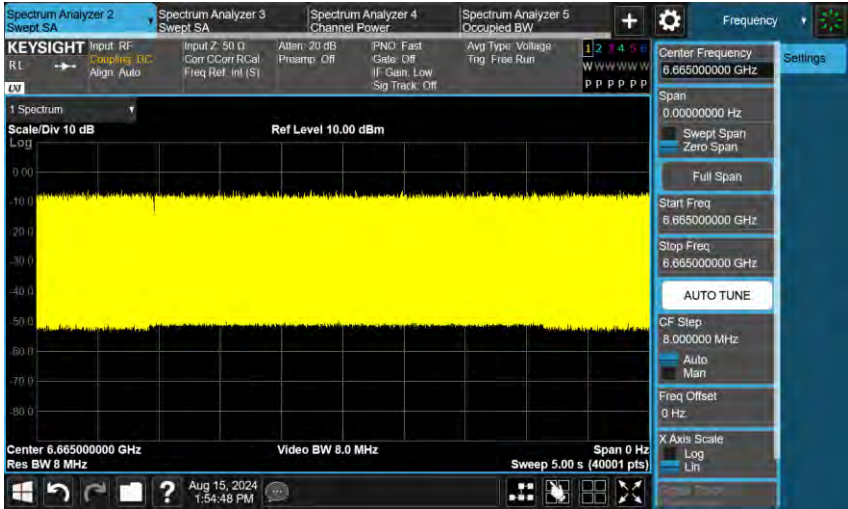
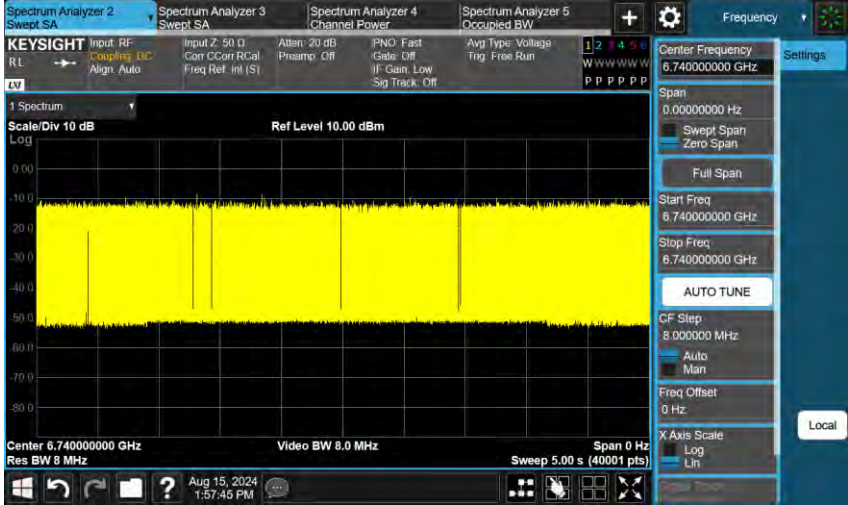


6590 MHz



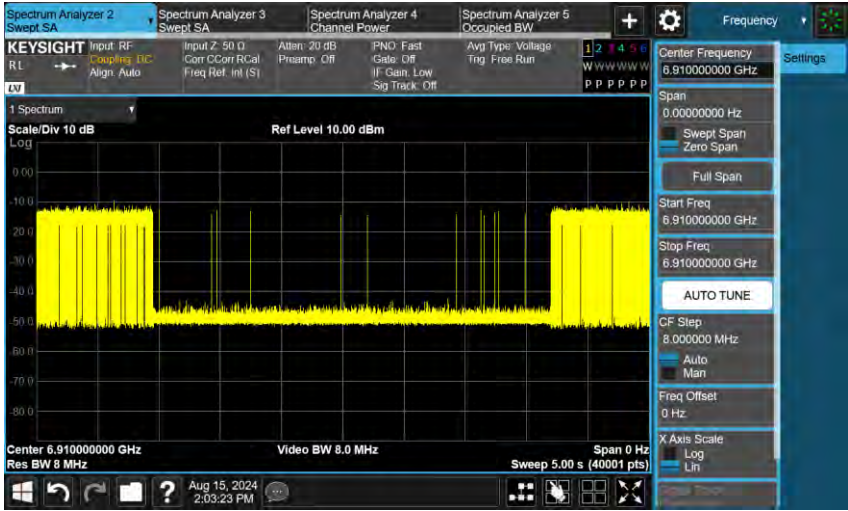
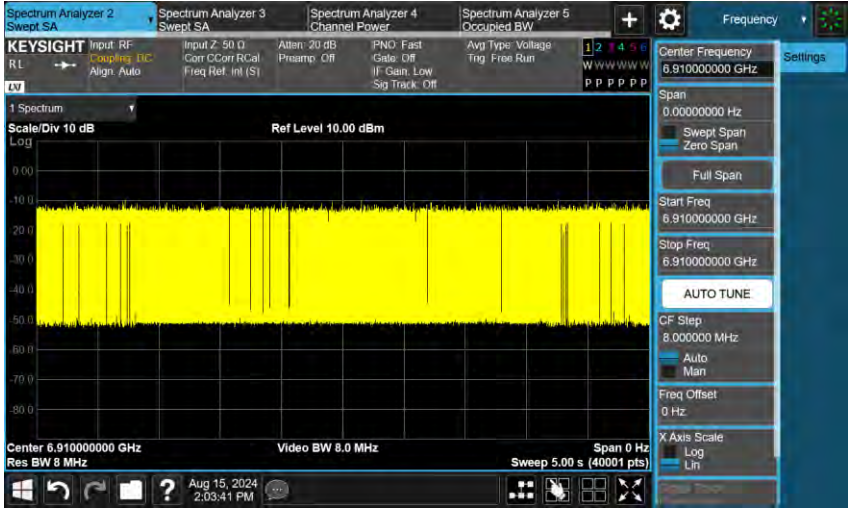
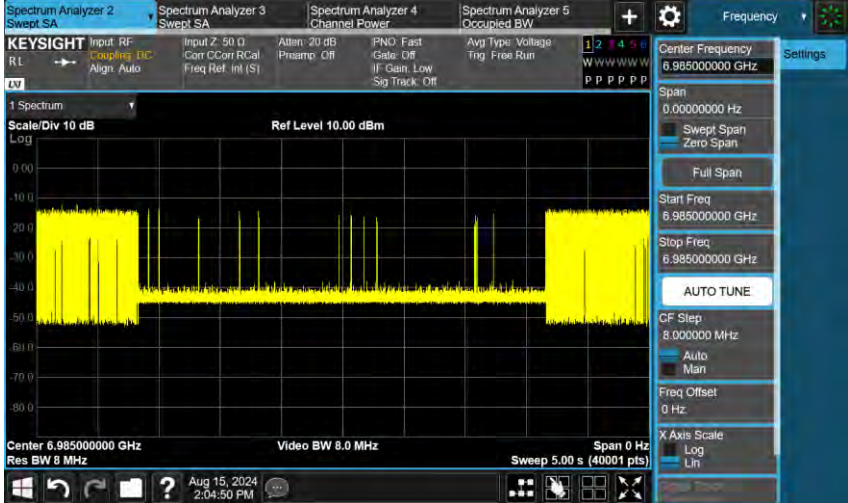
6665 MHz

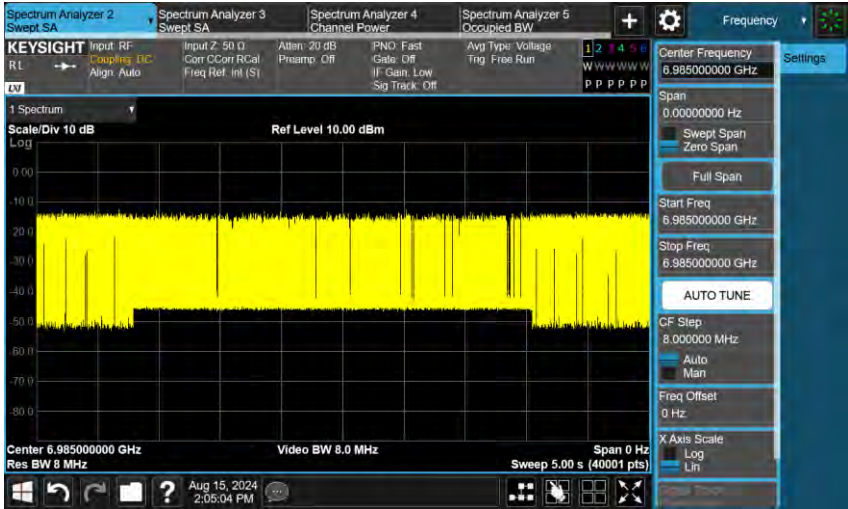
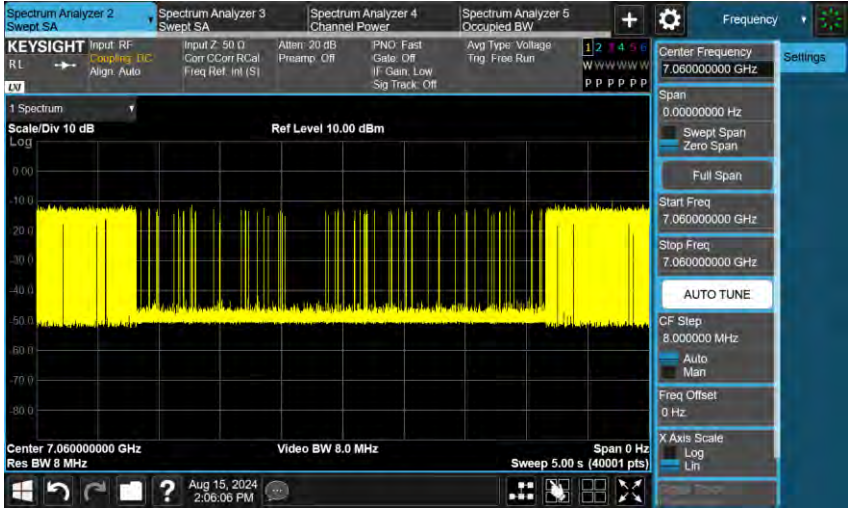
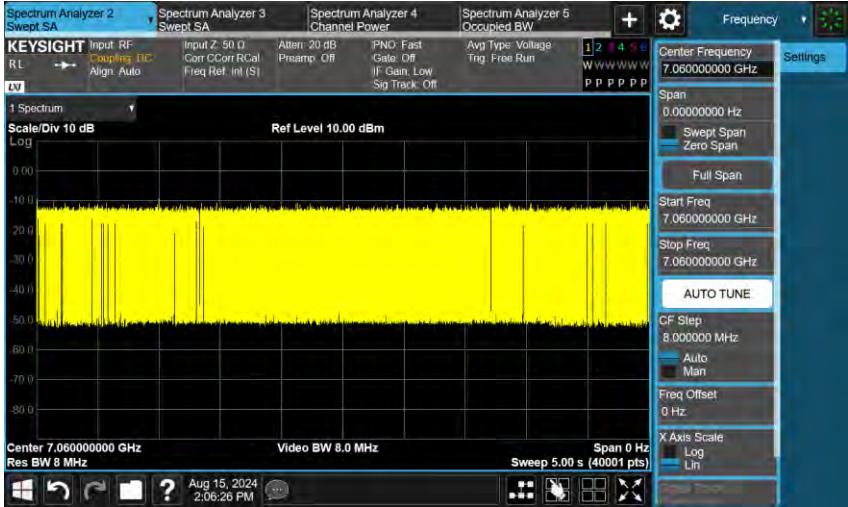


802.11ax HE16Q	
6665 MHz	
6740 MHz	
6740 MHz	

UNII 8:



802.11ax HE16Q	
6910 MHz	
6985 MHz	

802.11ax HE160	
6985 MHz	
7060 MHz	
7060 MHz	

--- END---