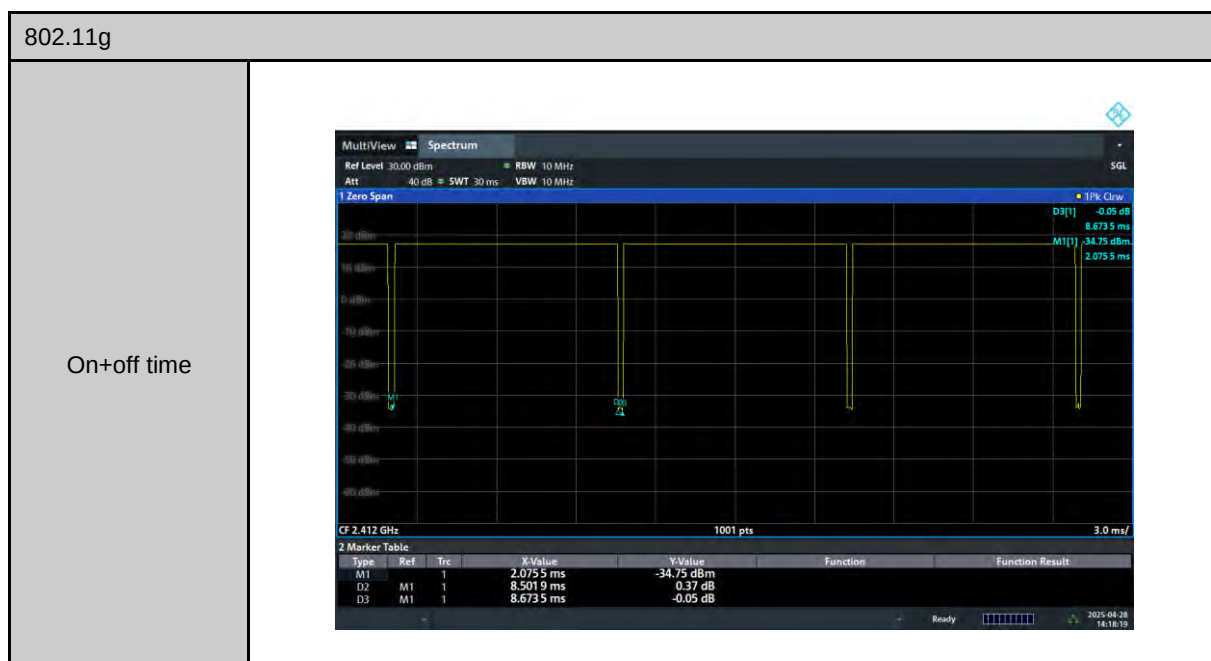
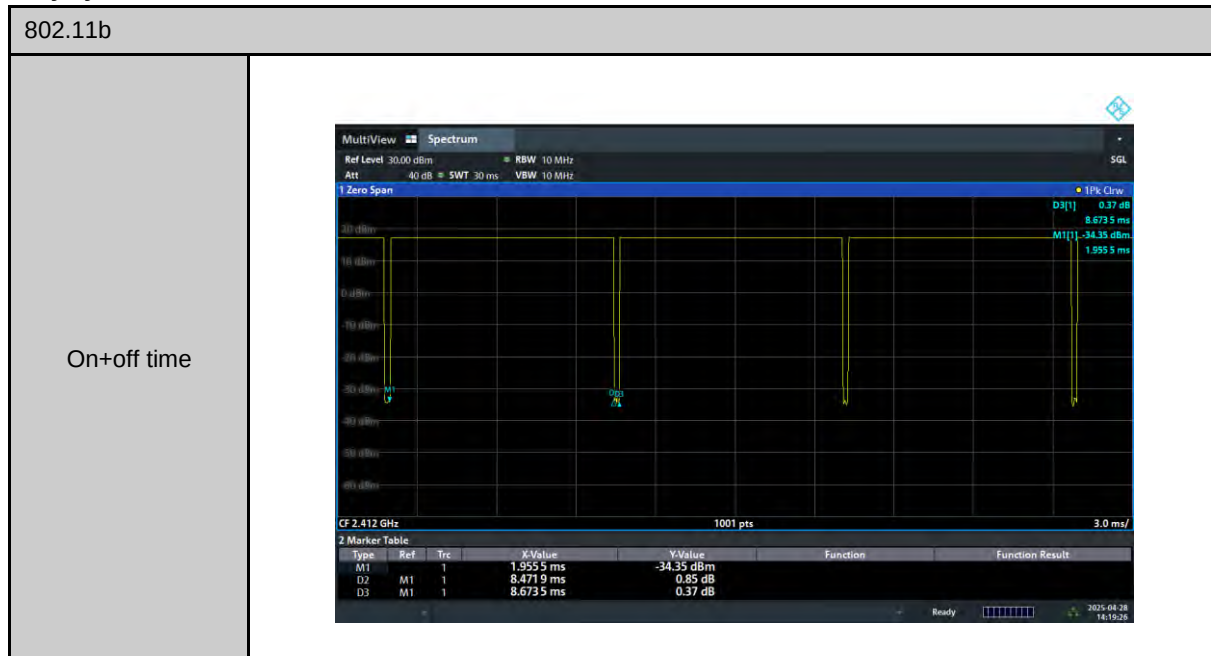


Appendix B. Test Plots

Duty cycle



802.11n HT20

On+off time



802.11n HT40

On+off time



802.11n VHT20

On+off time



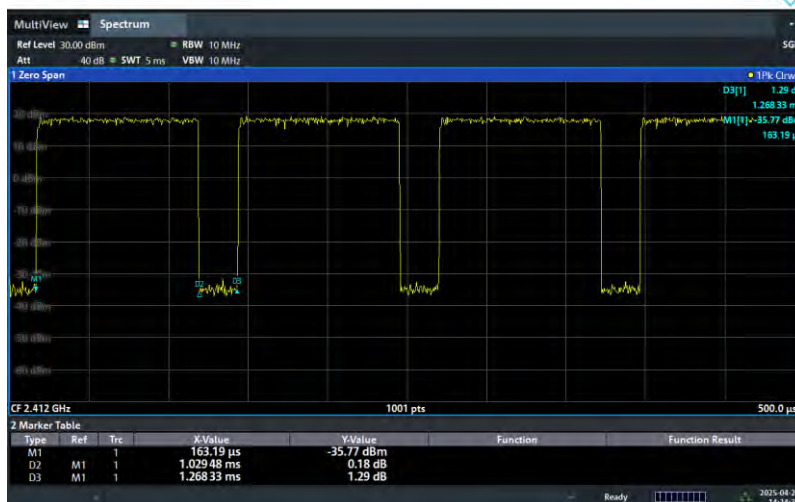
802.11n VHT40

On+off time



802.11ax HE20

On+off time

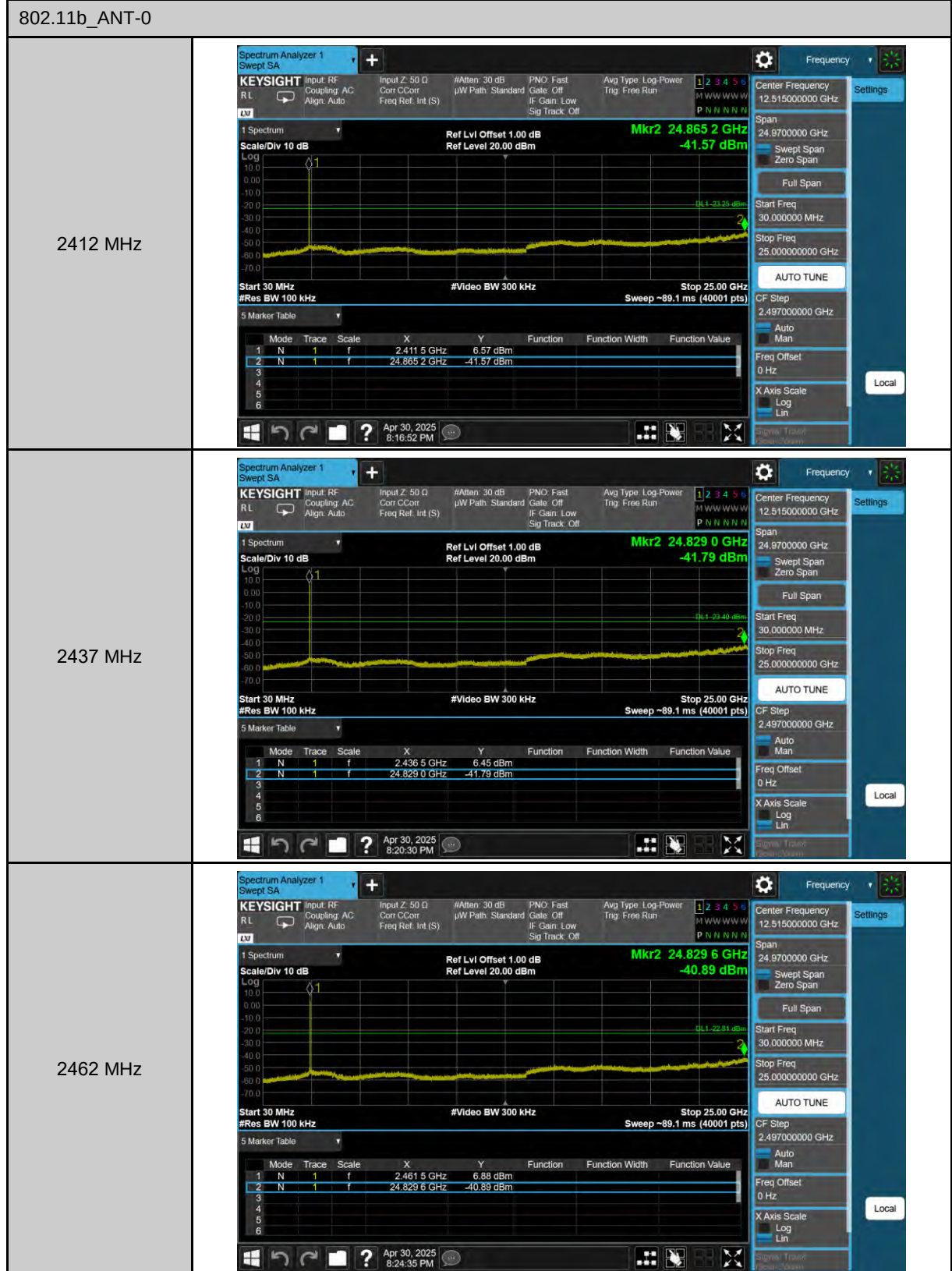


802.11ax HE40

On+off time

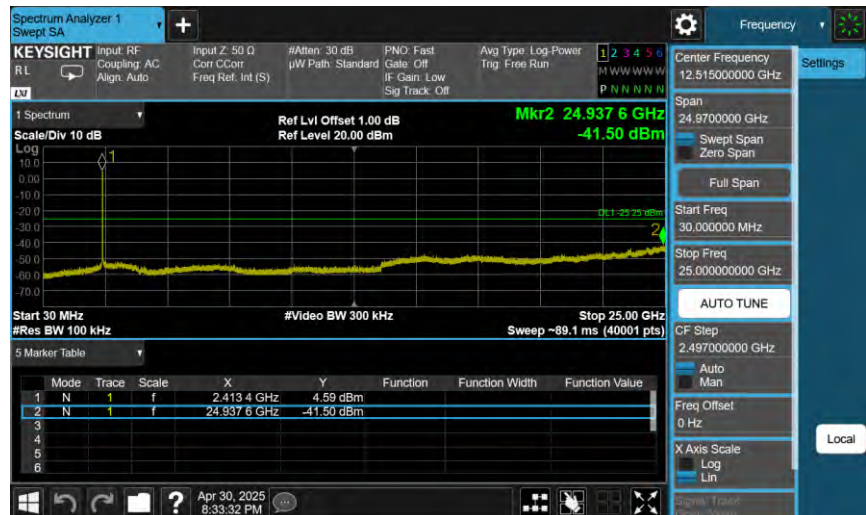


Out of Band Conducted Spurious Emission

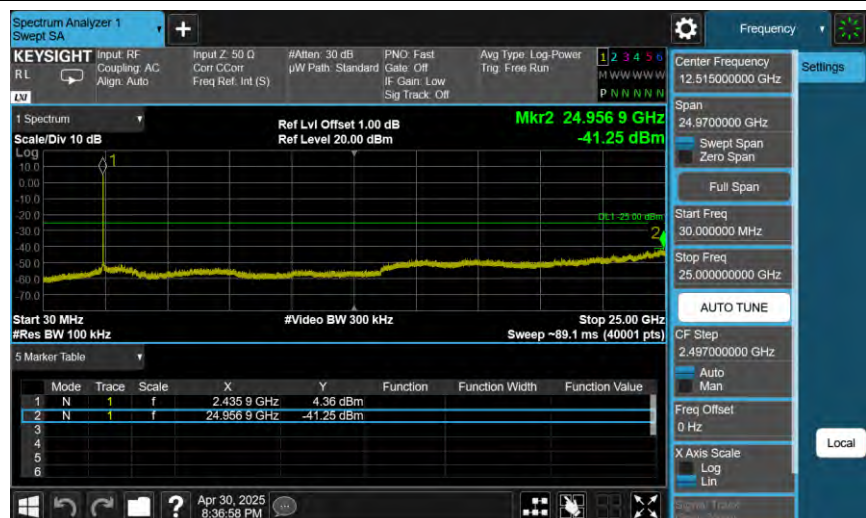


802.11g_ANT-0

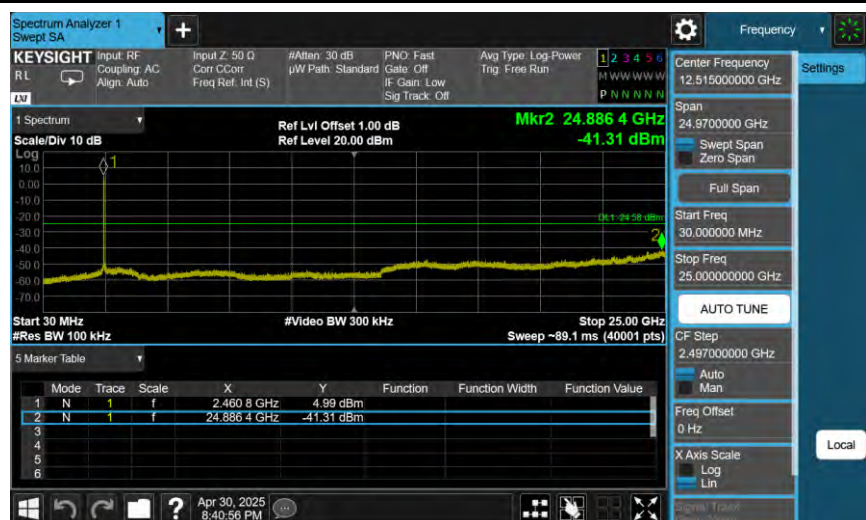
2412 MHz



2437 MHz



2462 MHz



802.11ax HE20_ANT-0

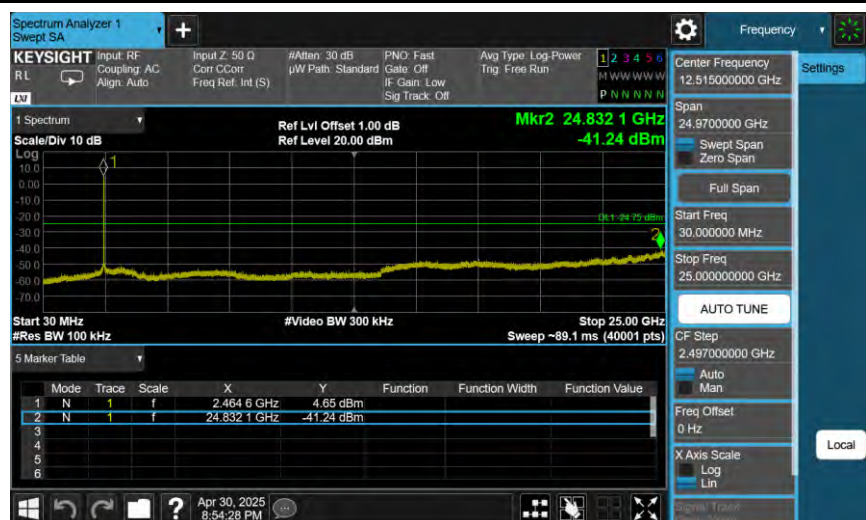
2412 MHz



2437 MHz

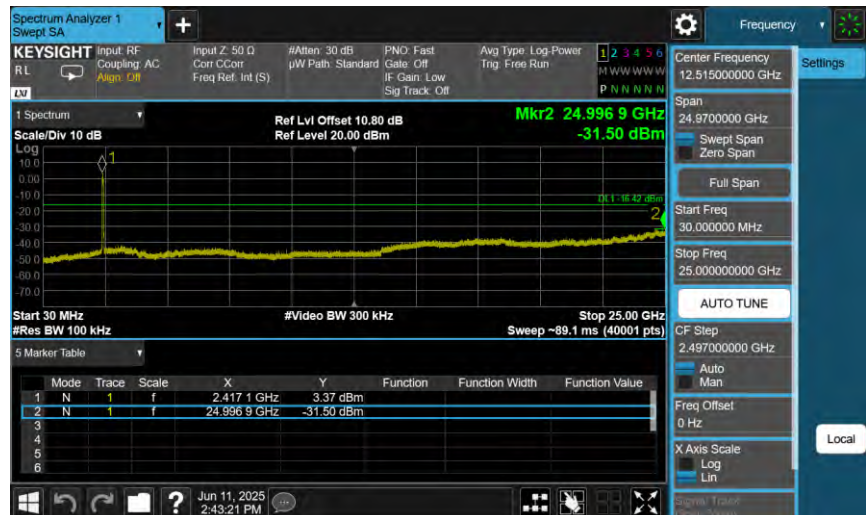


2462 MHz



802.11ax HE40_ANT-0

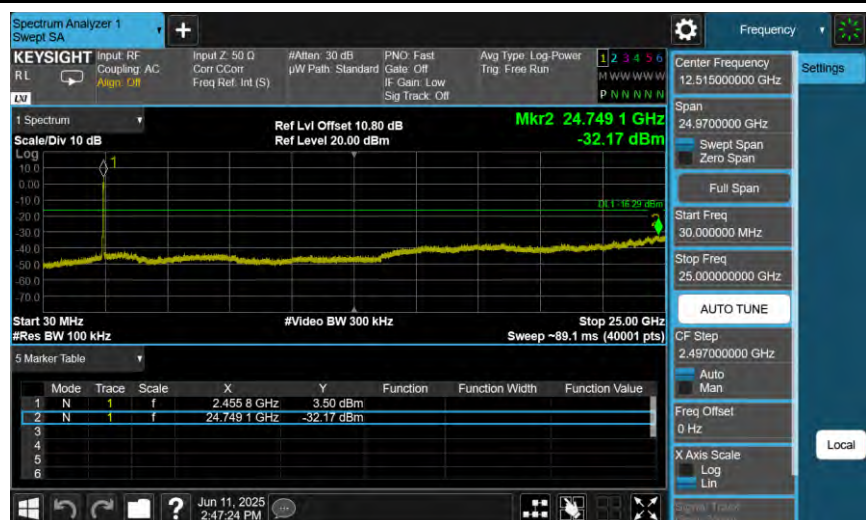
2422 MHz



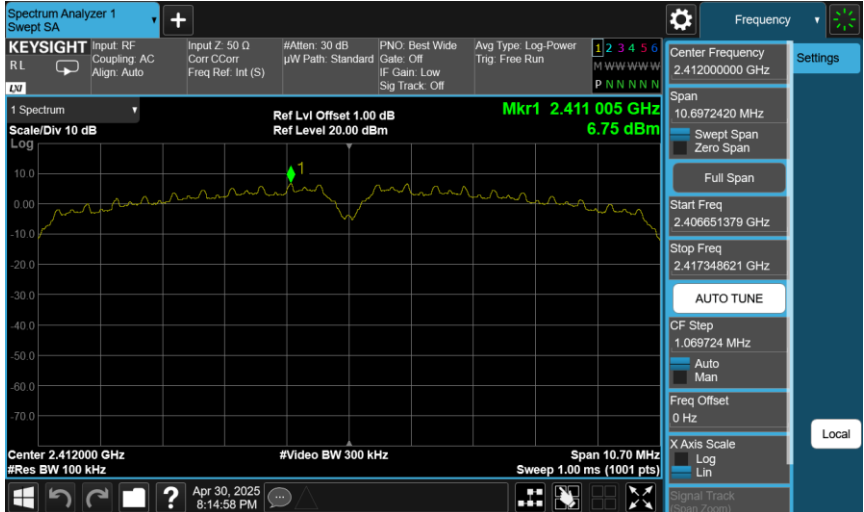
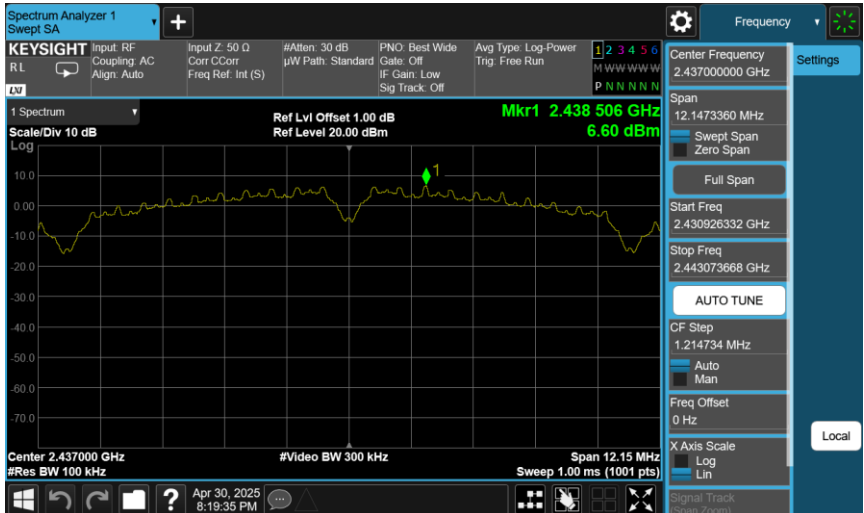
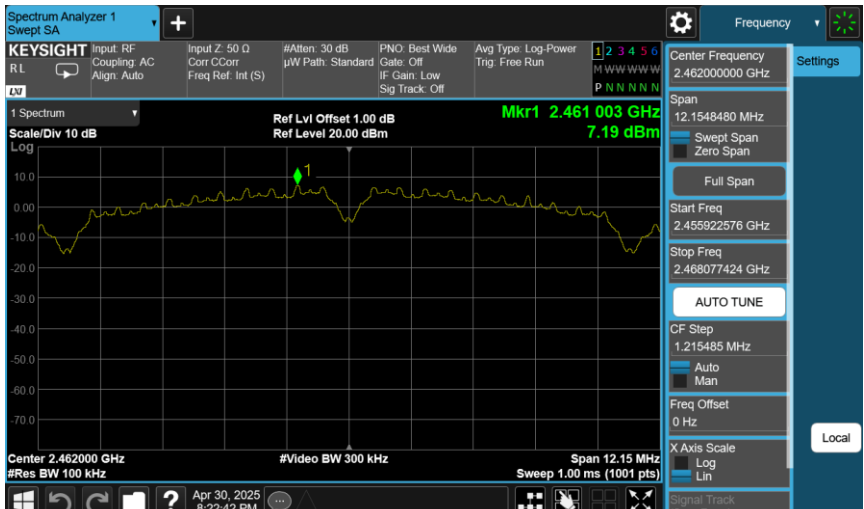
2437 MHz

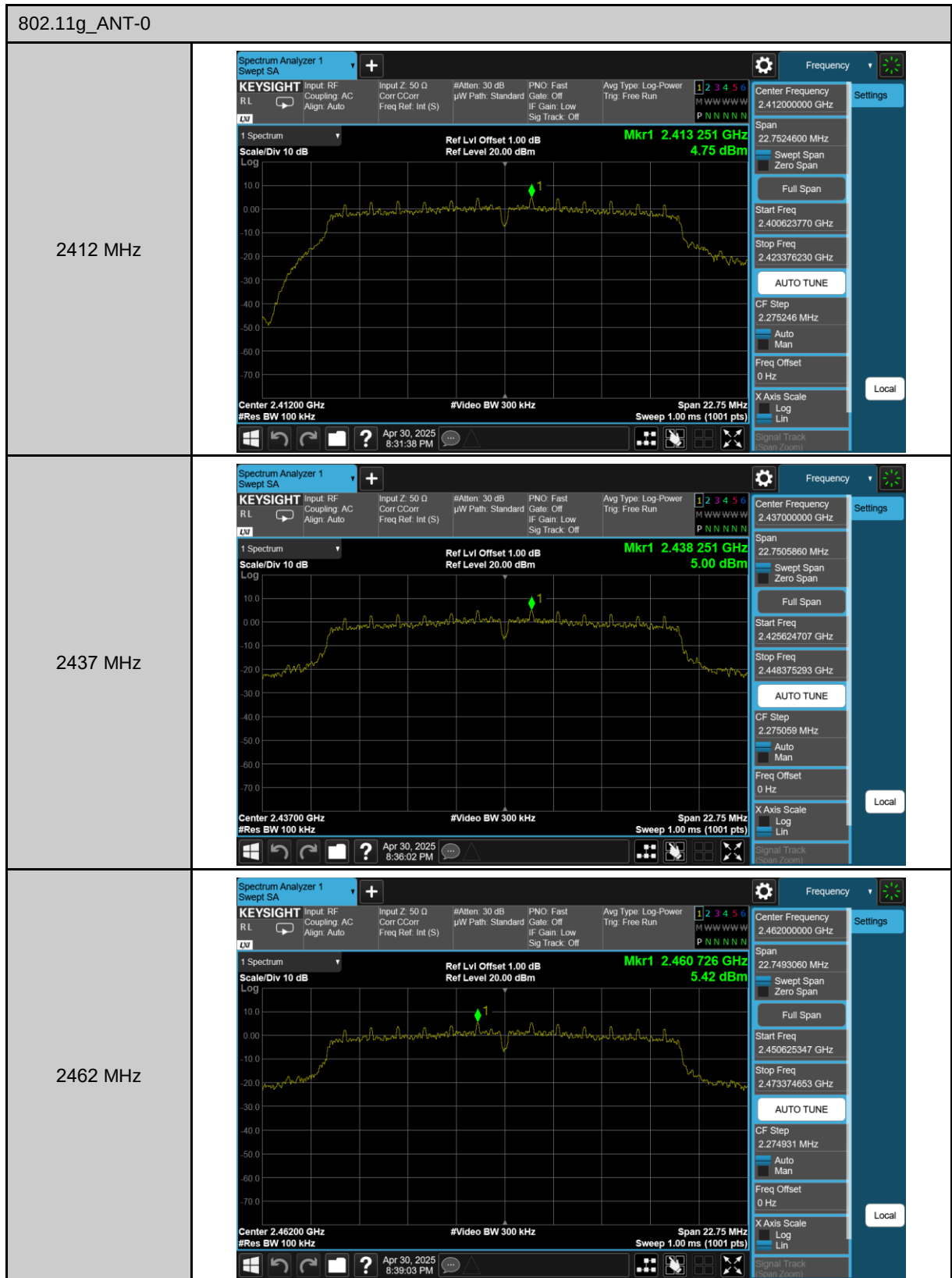


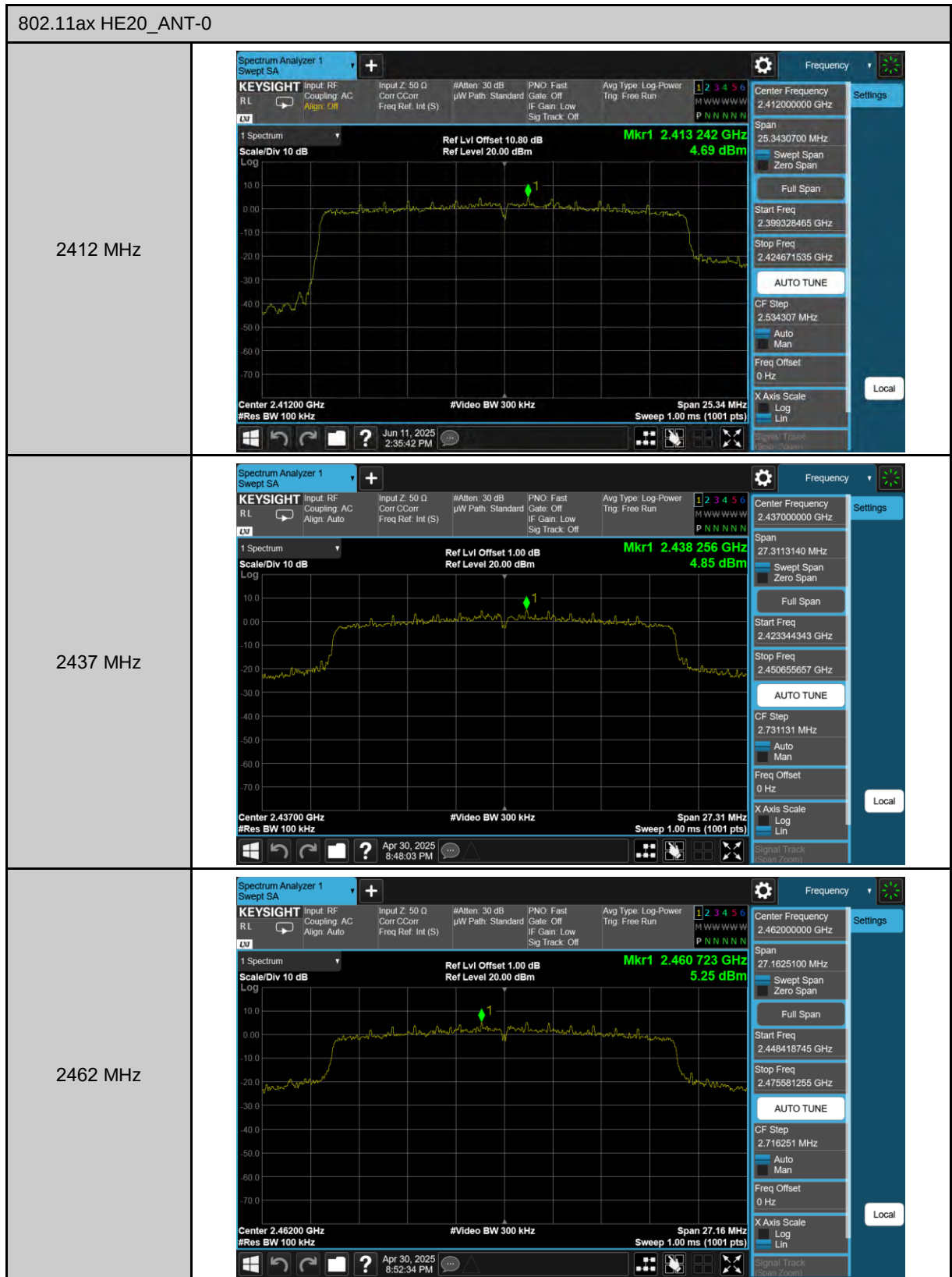
2452 MHz

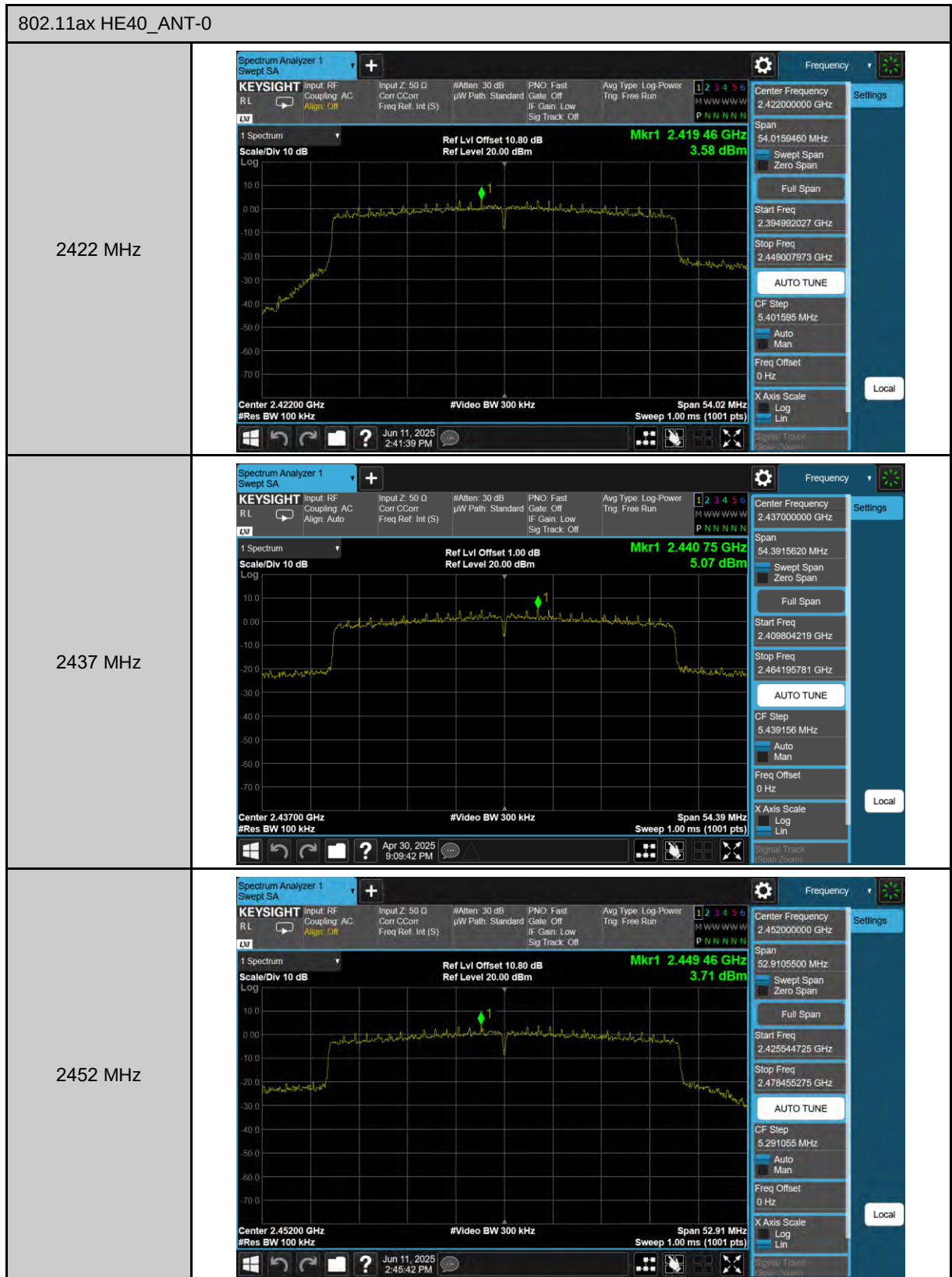


Reference level

802.11b_ANT-0 2412 MHz	 Spectrum Analyzer 1 Swept SA KEYSIGHT R.L. Coupling: AC, Align: Auto Input Z: 50 Ω, Corr: CCorr, Freq Ref: Int (S) #Atten: 30 dB, PNO: Best Wide, Gate: Off, IF Gain: Low, Sig Track: Off Avg Type: Log-Power, Trng: Free Run Center Frequency: 2.41200000 GHz Span: 10.6972420 MHz Start Freq: 2.406651379 GHz Stop Freq: 2.417348621 GHz AUTO TUNE CF Step: 1.069724 MHz Freq Offset: 0 Hz X Axis Scale: Log Signal Track: Span Zoom Ref Lvl Offset 1.00 dB Ref Level 20.00 dBm Mkr1 2.411 005 GHz 6.75 dBm Center 2.412000 GHz #Res BW 100 kHz #Video BW 300 kHz Span 10.70 MHz Sweep 1.00 ms (1001 pts) Apr 30, 2025 8:14:58 PM
2437 MHz	 Spectrum Analyzer 1 Swept SA KEYSIGHT R.L. Coupling: AC, Align: Auto Input Z: 50 Ω, Corr: CCorr, Freq Ref: Int (S) #Atten: 30 dB, PNO: Best Wide, Gate: Off, IF Gain: Low, Sig Track: Off Avg Type: Log-Power, Trng: Free Run Center Frequency: 2.43700000 GHz Span: 12.1473360 MHz Start Freq: 2.430926332 GHz Stop Freq: 2.443073668 GHz AUTO TUNE CF Step: 1.214734 MHz Freq Offset: 0 Hz X Axis Scale: Log Signal Track: Span Zoom Ref Lvl Offset 1.00 dB Ref Level 20.00 dBm Mkr1 2.438 506 GHz 6.60 dBm Center 2.437000 GHz #Res BW 100 kHz #Video BW 300 kHz Span 12.15 MHz Sweep 1.00 ms (1001 pts) Apr 30, 2025 8:19:35 PM
2462 MHz	 Spectrum Analyzer 1 Swept SA KEYSIGHT R.L. Coupling: AC, Align: Auto Input Z: 50 Ω, Corr: CCorr, Freq Ref: Int (S) #Atten: 30 dB, PNO: Best Wide, Gate: Off, IF Gain: Low, Sig Track: Off Avg Type: Log-Power, Trng: Free Run Center Frequency: 2.46200000 GHz Span: 12.1548480 MHz Start Freq: 2.455922576 GHz Stop Freq: 2.468077424 GHz AUTO TUNE CF Step: 1.215485 MHz Freq Offset: 0 Hz X Axis Scale: Log Signal Track: Span Zoom Ref Lvl Offset 1.00 dB Ref Level 20.00 dBm Mkr1 2.461 003 GHz 7.19 dBm Center 2.462000 GHz #Res BW 100 kHz #Video BW 300 kHz Span 12.15 MHz Sweep 1.00 ms (1001 pts) Apr 30, 2025 8:22:42 PM







Conducted Band Edge

802.11b_ANT-0

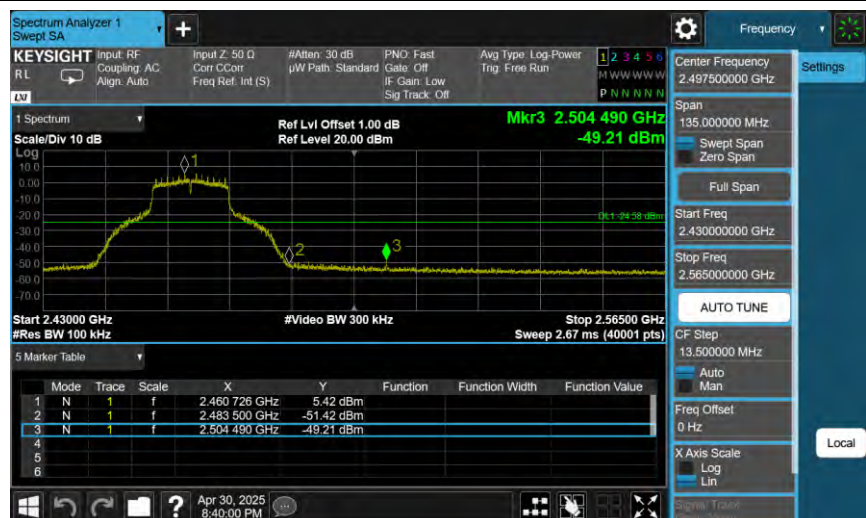


802.11g_ANT-0

2412 MHz



2462 MHz



802.11ax HE20_ANT-0

2412 MHz



2462 MHz

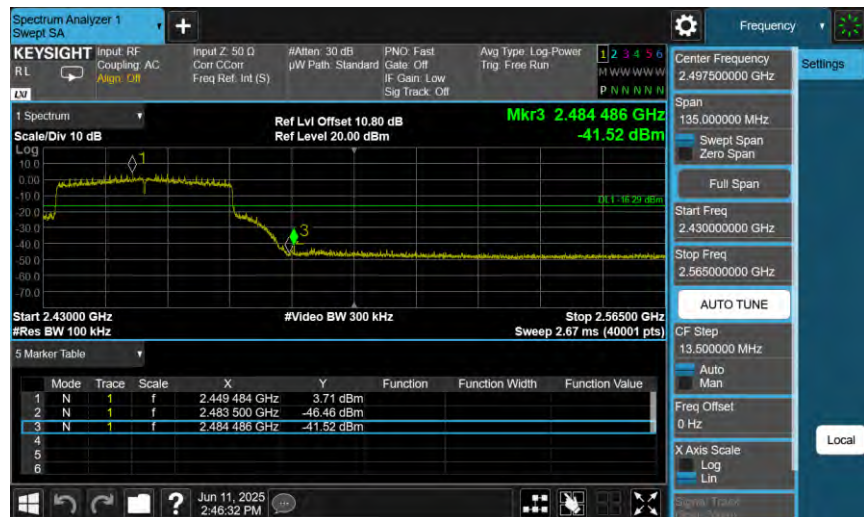


802.11ax HE40_ANT-0

2422 MHz



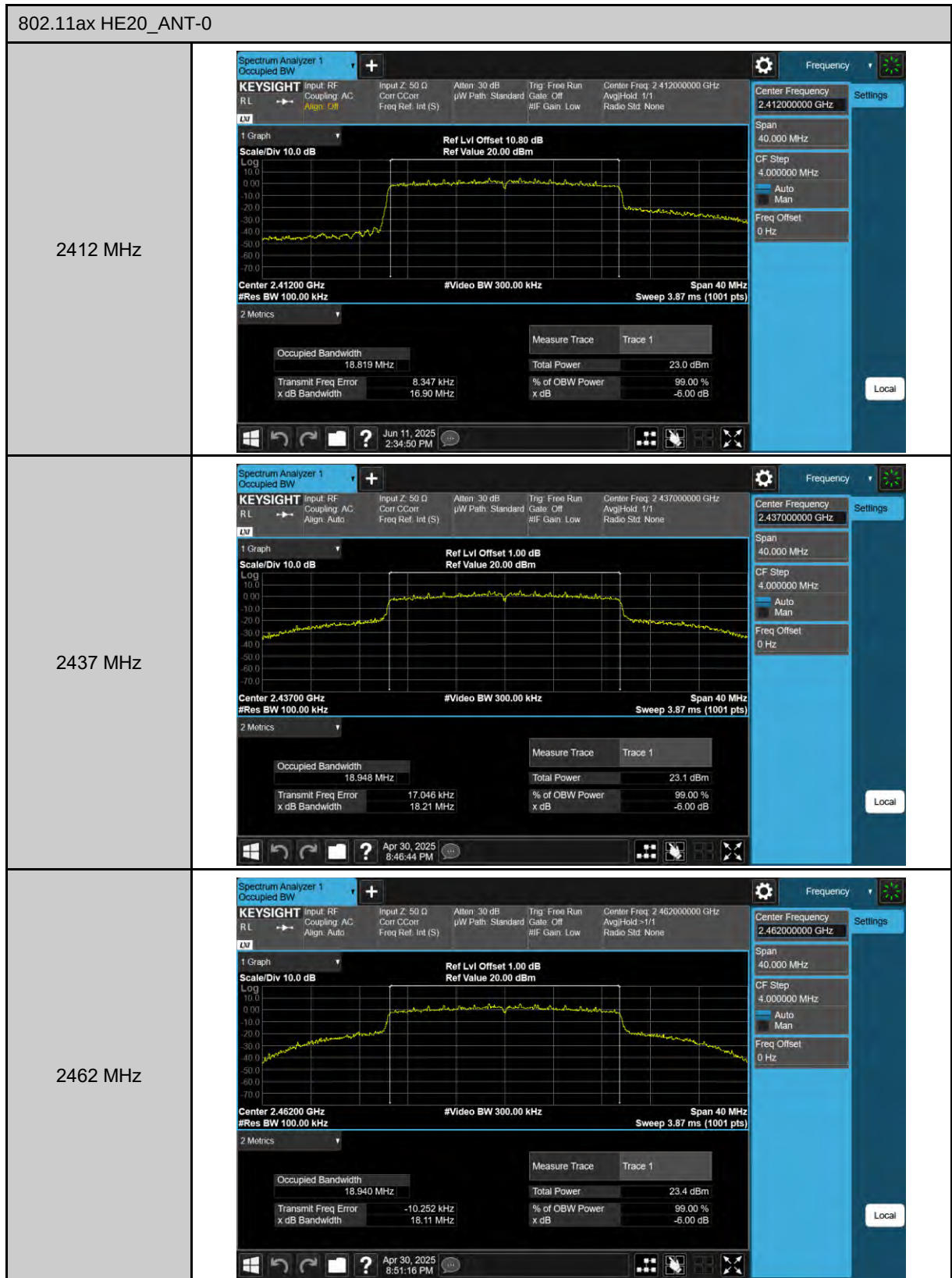
2452 MHz

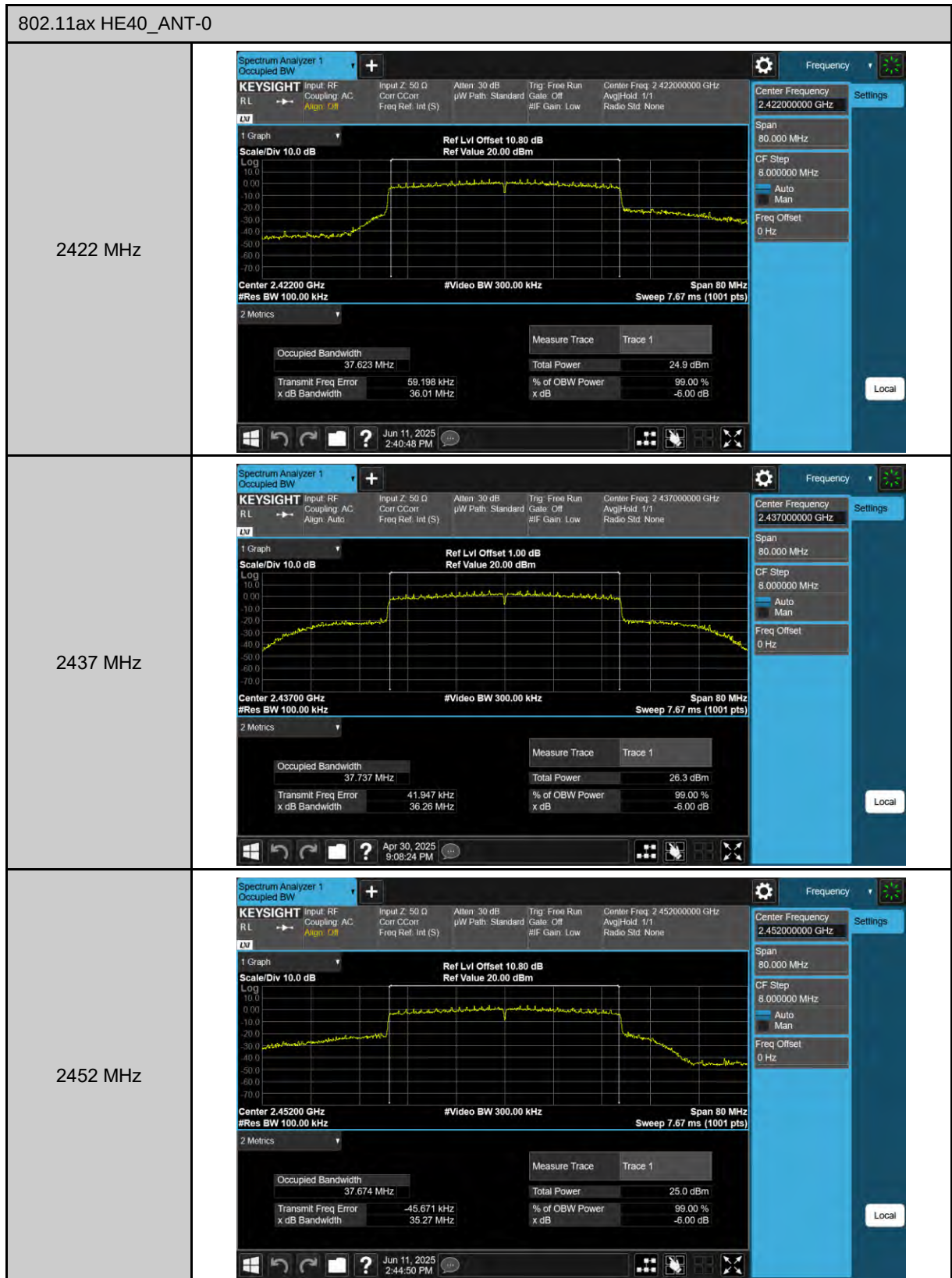


6 dB Bandwidth

802.11b_ANT-0 2412 MHz	 Center Frequency: 2.41200000 GHz Span: 40.000 MHz CF Step: 4.000000 MHz Freq Offset: 0 Hz Center 2.41200 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Sweep 3.87 ms (1001 pts) Occupied Bandwidth: 12.662 MHz Transmit Freq Error: 9.820 kHz x dB Bandwidth: 7.131 MHz Total Power: 22.4 dBm % of OBW Power: 99.00 % x dB: -6.00 dB
2437 MHz	 Center Frequency: 2.43700000 GHz Span: 40.000 MHz CF Step: 4.000000 MHz Freq Offset: 0 Hz Center 2.43700 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Sweep 3.87 ms (1001 pts) Occupied Bandwidth: 12.645 MHz Transmit Freq Error: 28.978 kHz x dB Bandwidth: 8.098 MHz Total Power: 22.3 dBm % of OBW Power: 99.00 % x dB: -6.00 dB
2462 MHz	 Center Frequency: 2.46200000 GHz Span: 40.000 MHz CF Step: 4.000000 MHz Freq Offset: 0 Hz Center 2.46200 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Sweep 3.87 ms (1001 pts) Occupied Bandwidth: 12.632 MHz Transmit Freq Error: -5.508 kHz x dB Bandwidth: 8.103 MHz Total Power: 22.7 dBm % of OBW Power: 99.00 % x dB: -6.00 dB







99% Occupied Bandwidth

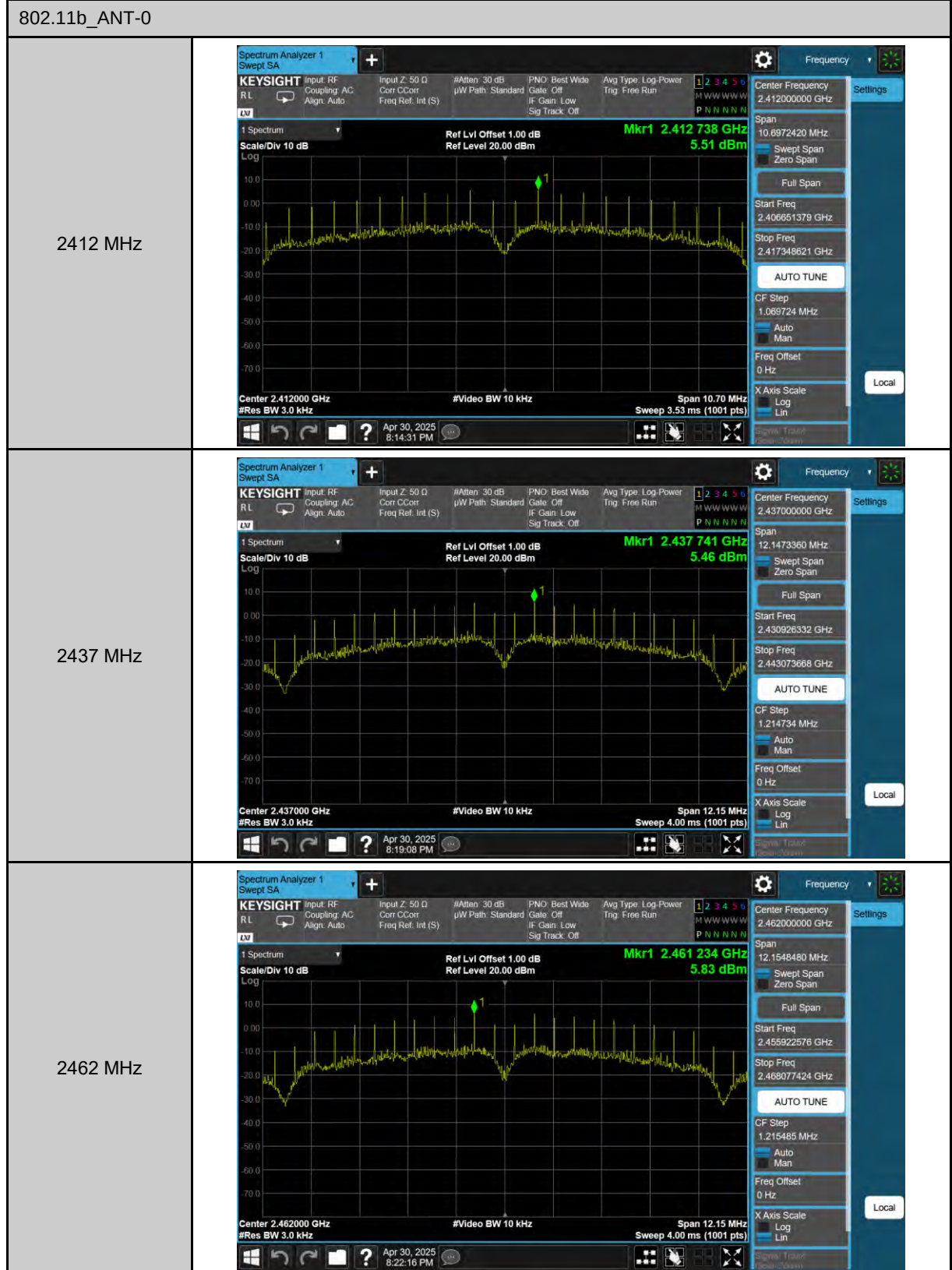
802.11b_ANT-0 2412 MHz	
2437 MHz	
2462 MHz	

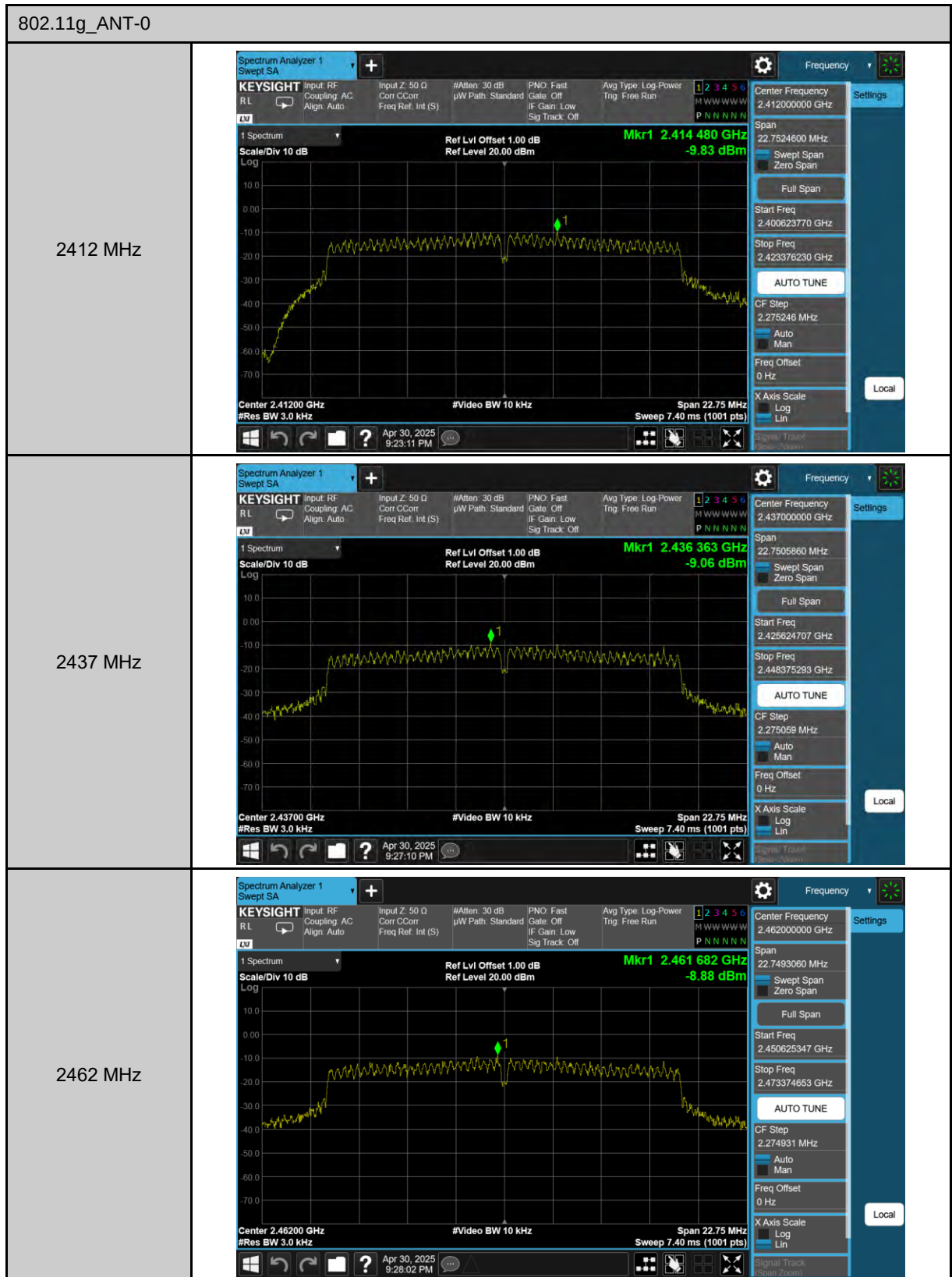
802.11g_ANT-0 2412 MHz	 Center Frequency: 2.41200000 GHz Span: 40.000 MHz CF Step: 4.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 17.154 MHz Transmit Freq Error: 94.034 kHz x dB Bandwidth: 23.84 MHz Total Power: 21.9 dBm % of OBW Power: 99.00 % x dB: -26.00 dB
2437 MHz	 Center Frequency: 2.43700000 GHz Span: 40.000 MHz CF Step: 4.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 17.300 MHz Transmit Freq Error: 10.847 kHz x dB Bandwidth: 30.64 MHz Total Power: 22.0 dBm % of OBW Power: 99.00 % x dB: -26.00 dB
2462 MHz	 Center Frequency: 2.46200000 GHz Span: 40.000 MHz CF Step: 4.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 17.199 MHz Transmit Freq Error: -44.931 kHz x dB Bandwidth: 28.07 MHz Total Power: 22.5 dBm % of OBW Power: 99.00 % x dB: -26.00 dB





Maximum Power Spectral Density



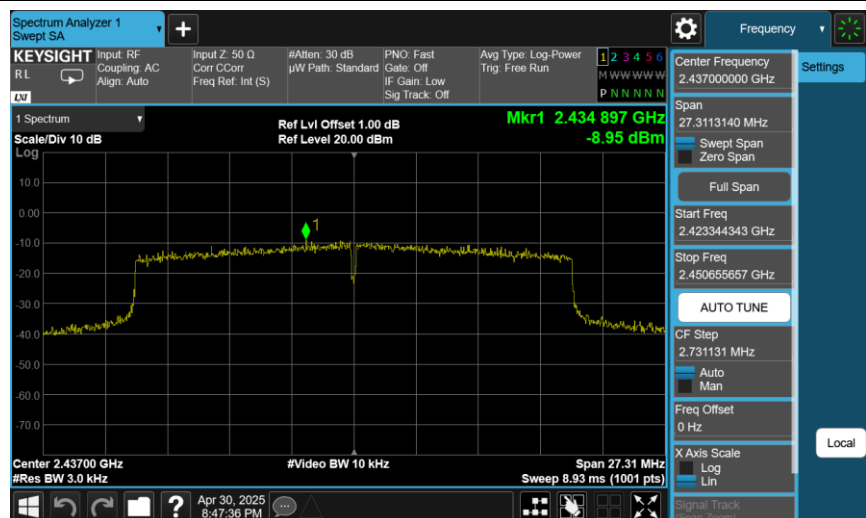


802.11ax HE20_ANT-0

2412 MHz



2437 MHz



2462 MHz

