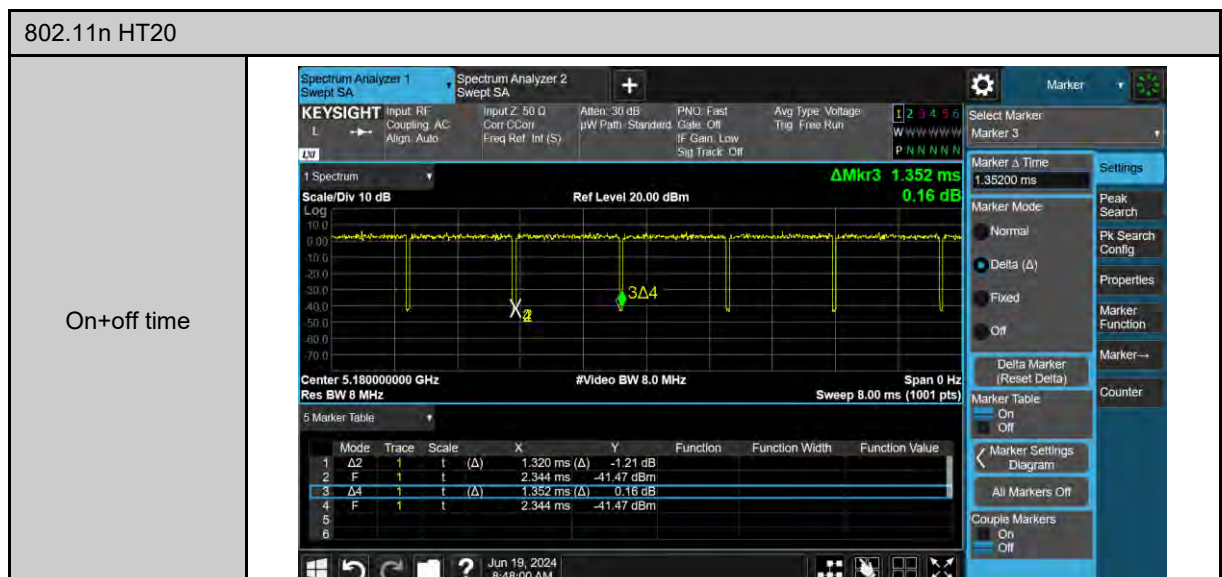
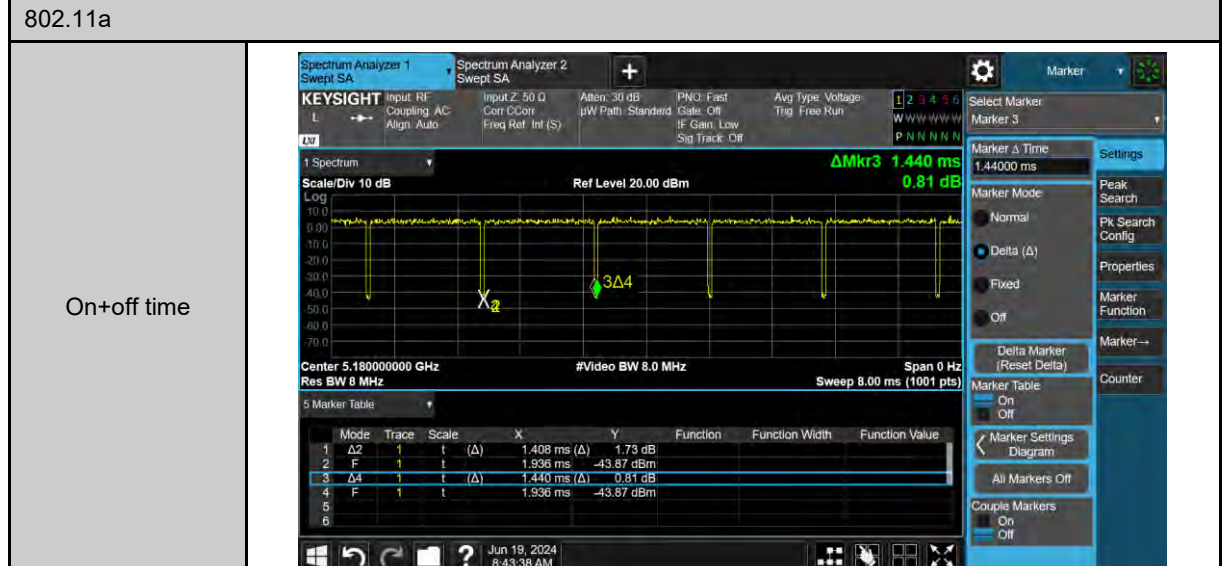


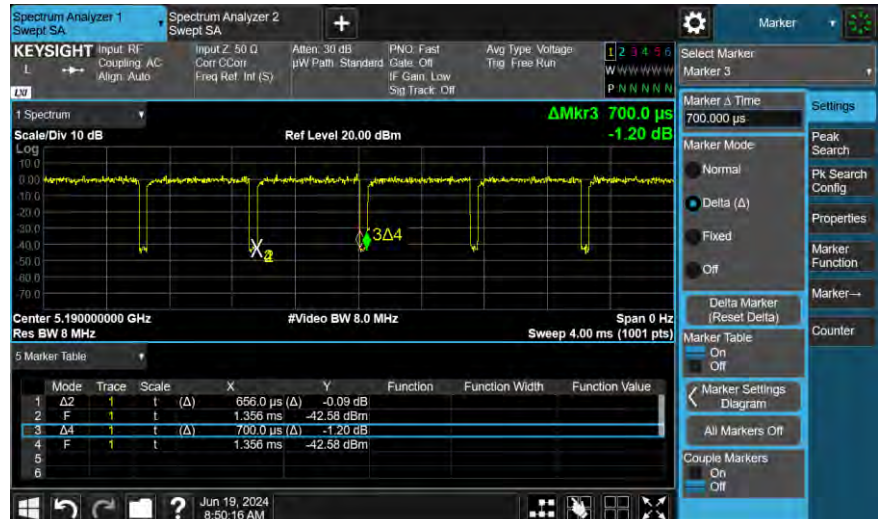
Appendix B. Test Plots

Duty cycle



802.11n HT40

On+off time



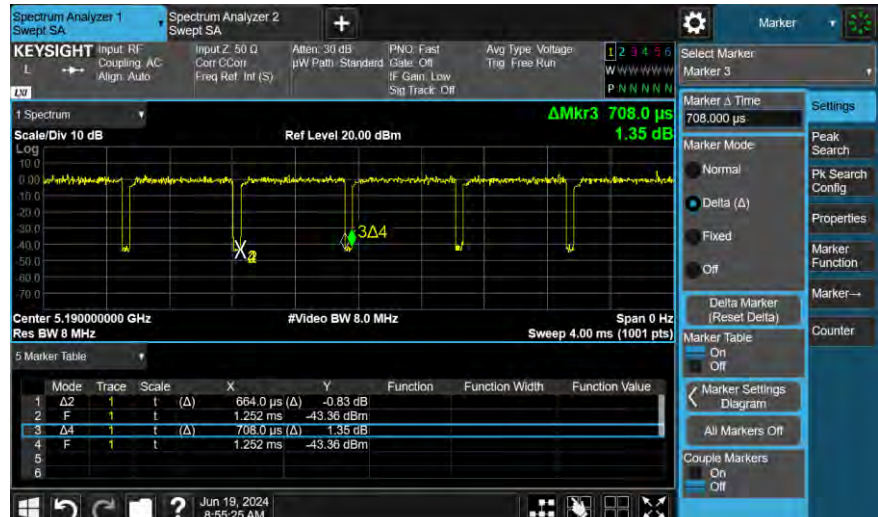
802.11ac VHT20

On+off time



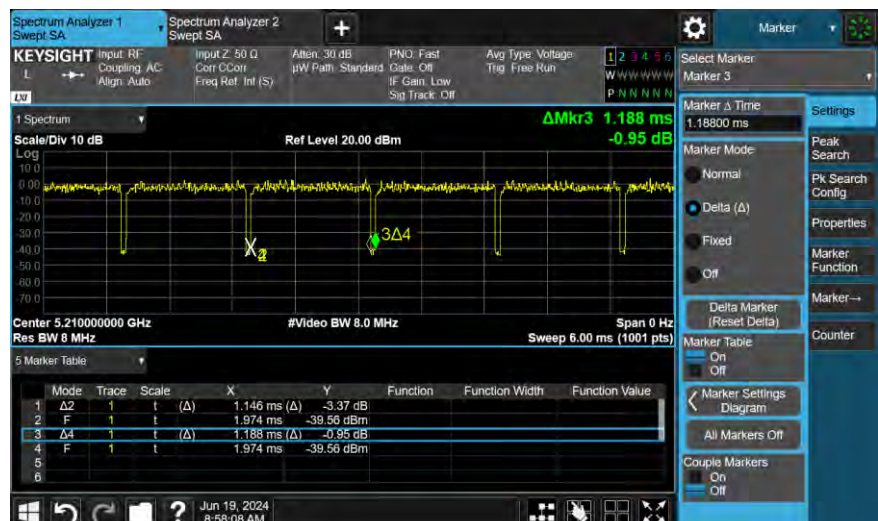
802.11ac VHT40

On+off time

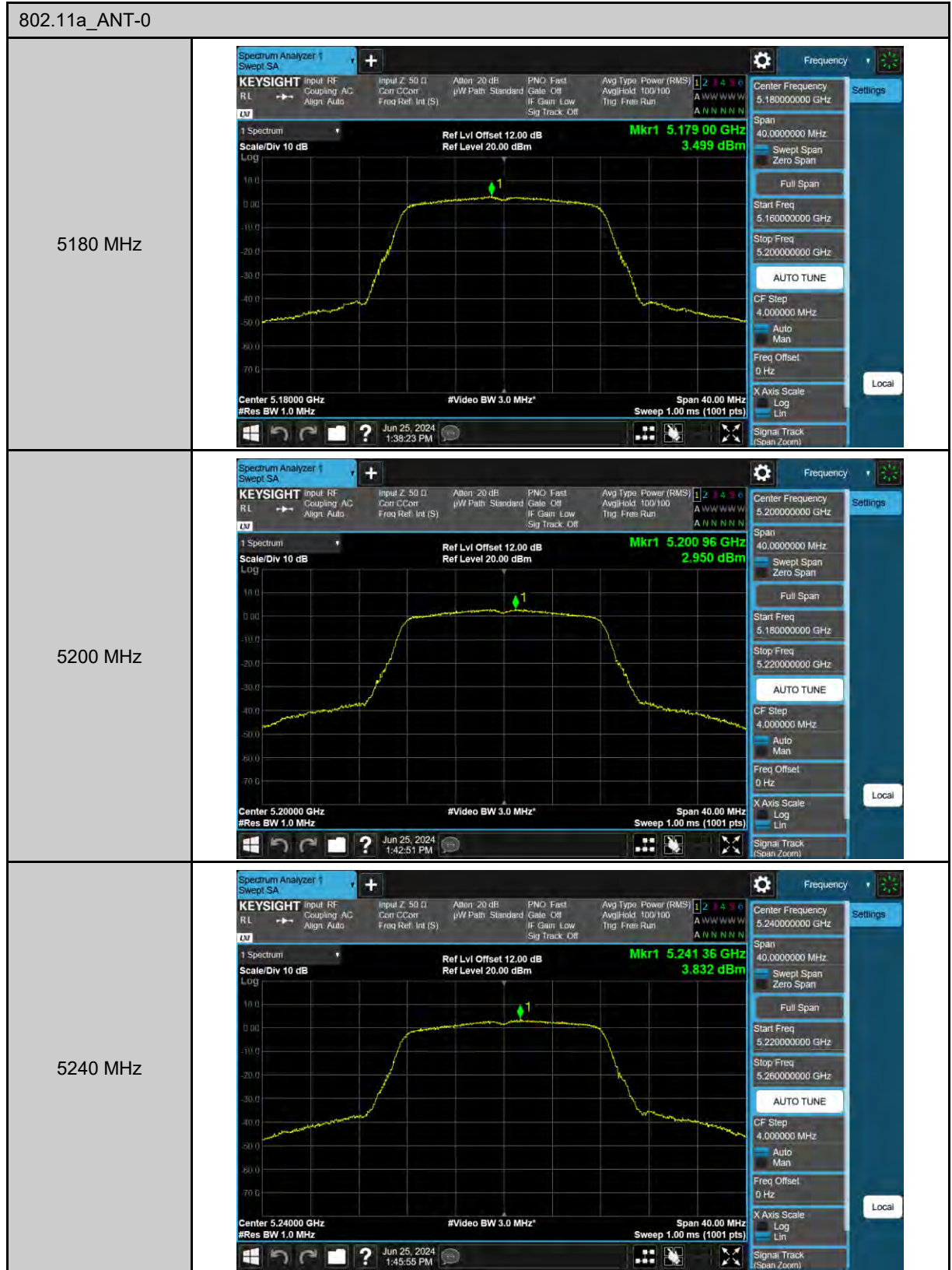


802.11ac VHT80

On+off time



Maximum Power Spectral Density



802.11a_ANT-0

5260 MHz



5280 MHz



5320 MHz



802.11a_ANT-0

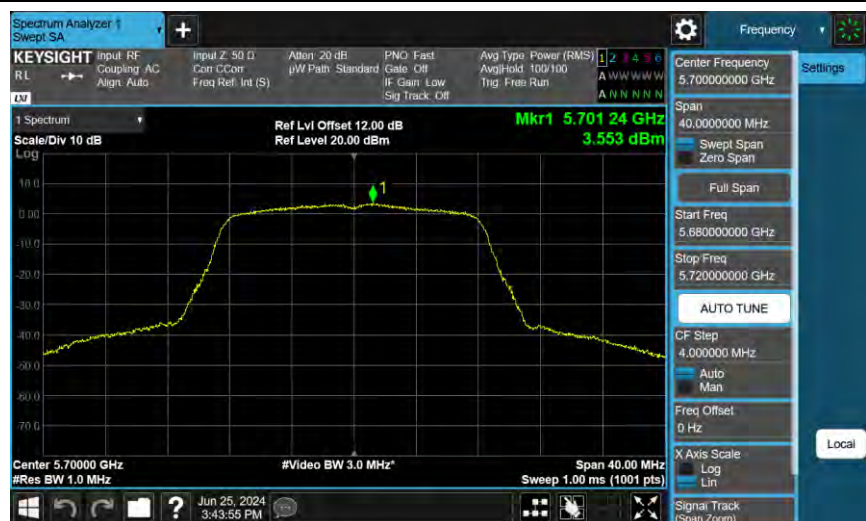
5500 MHz



5560 MHz



5700 MHz



802.11a_ANT-0



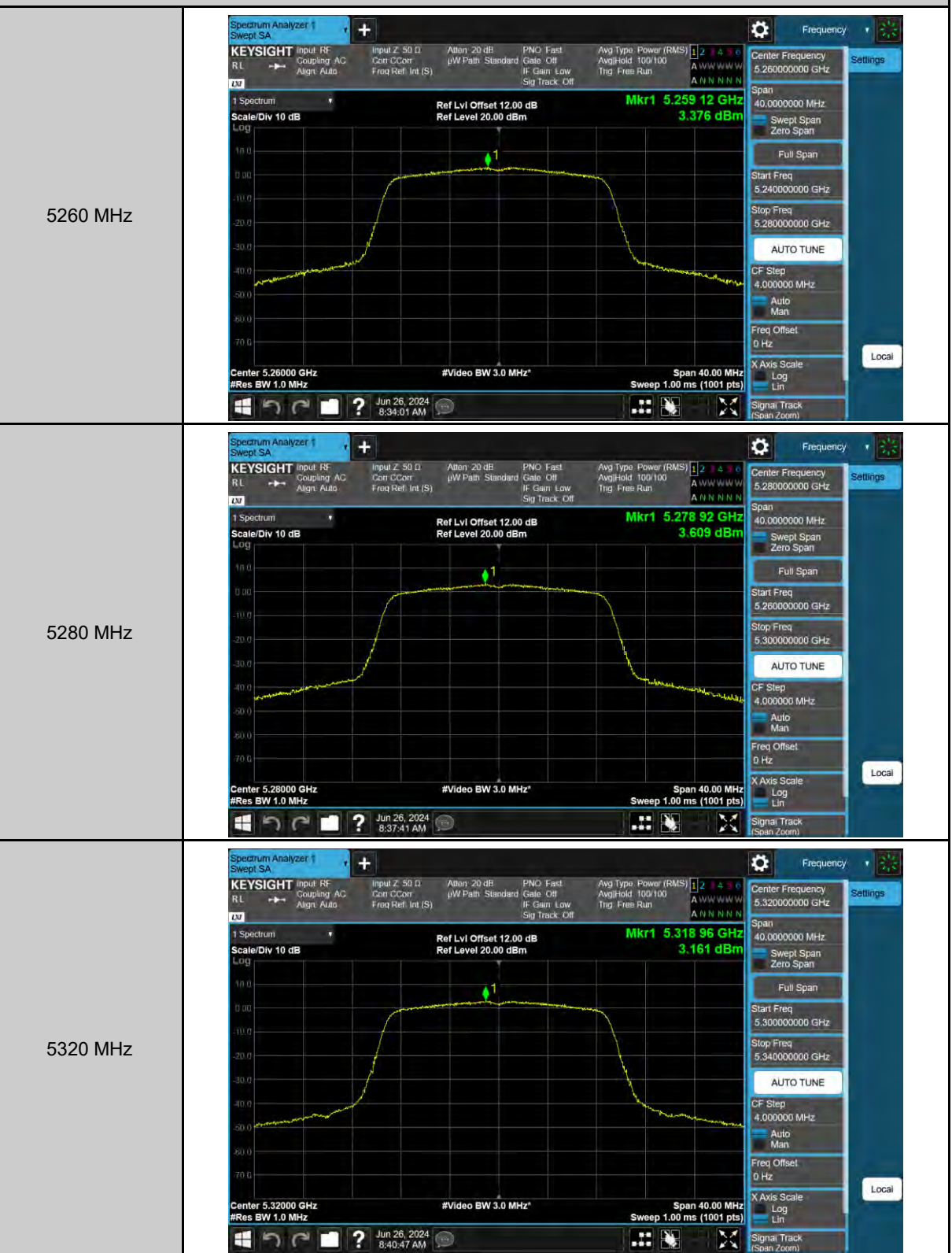
802.11a_ANT-0



802.11ac VHT20_ANT-0



802.11ac VHT20_ANT-0

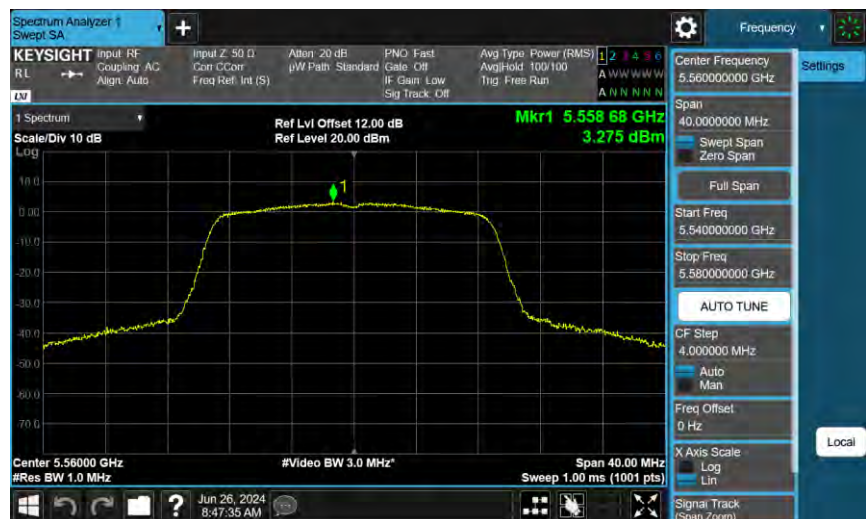


802.11ac VHT20_ANT-0

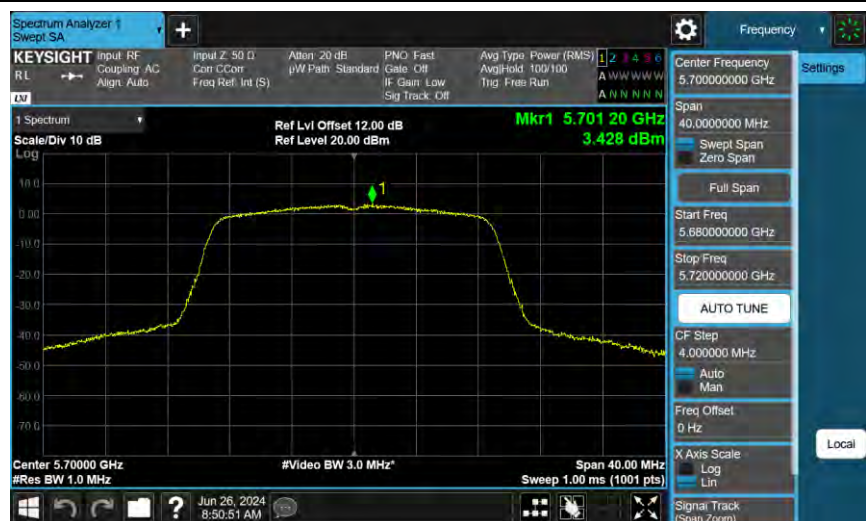
5500 MHz



5560 MHz



5700 MHz



802.11ac VHT20_ANT-0



802.11ac VHT20_ANT-0



802.11ac VHT40_ANT-0



802.11ac VHT40_ANT-0

5270 MHz



5310 MHz



802.11ac VHT40_ANT-0

5510 MHz



5550 MHz



5670 MHz



802.11ac VHT40_ANT-0

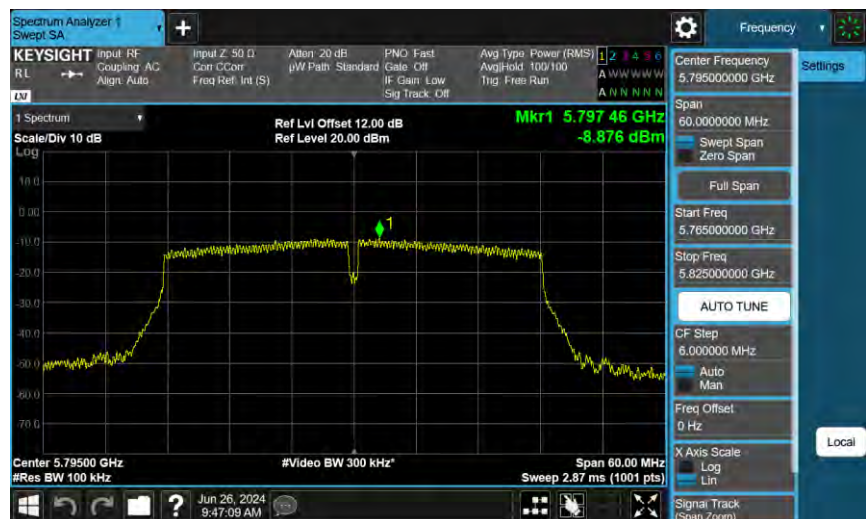


802.11ac VHT40_ANT-0

5755 MHz



5795 MHz



802.11ac VHT80_ANT-0



802.11ac VHT80_ANT-0

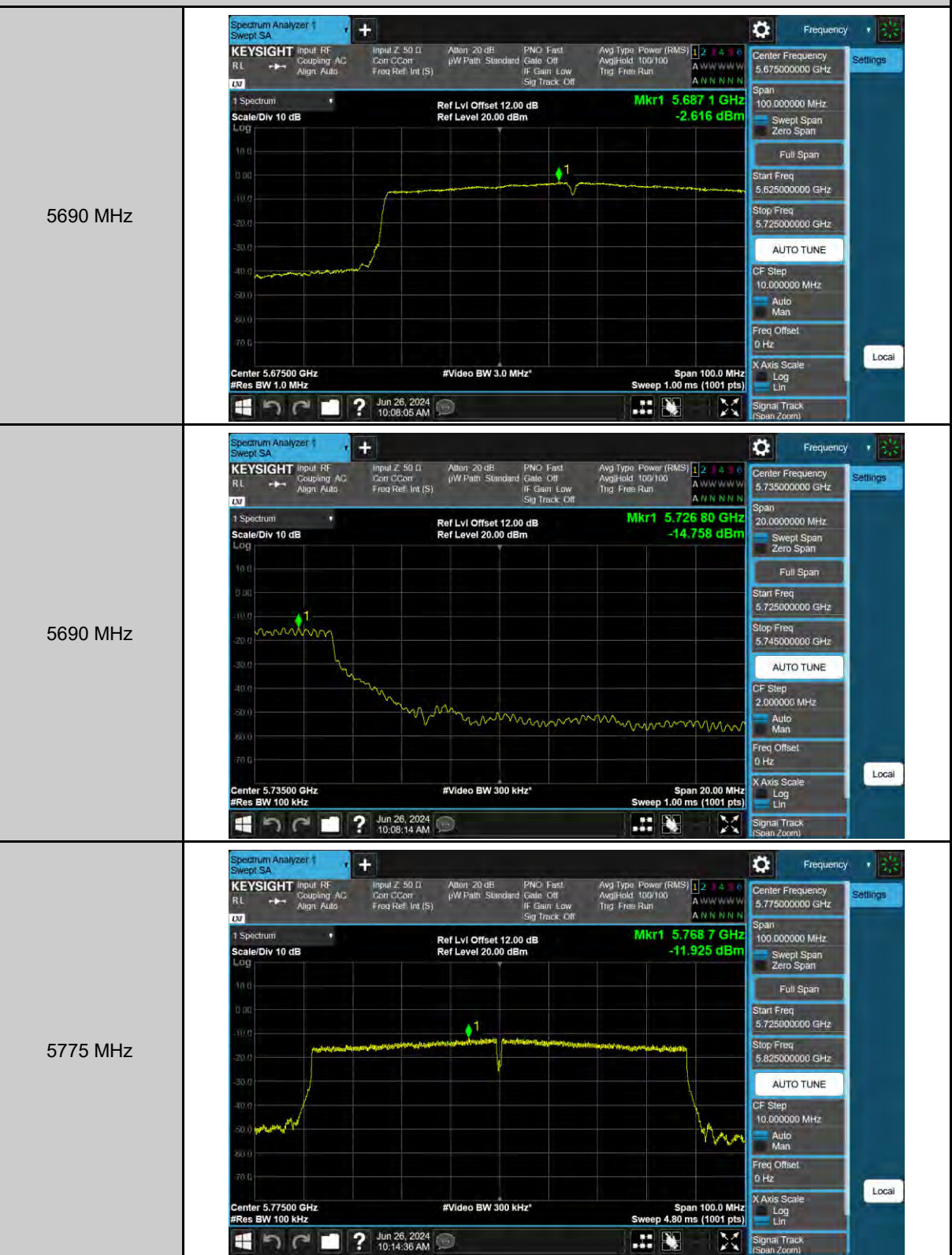
5530 MHz



5610 MHz



802.11ac VHT80_ANT-0

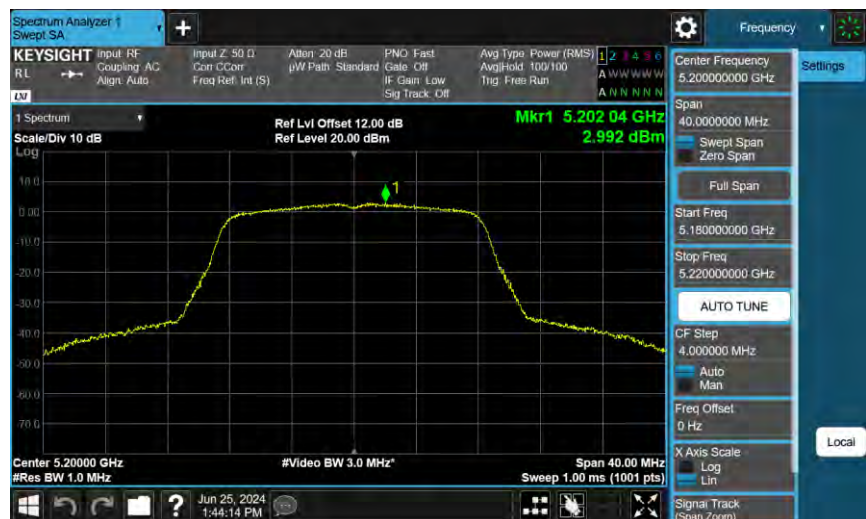


802.11a_ANT-1

5180 MHz



5200 MHz



5240 MHz



802.11a_ANT-1

5260 MHz



5280 MHz



5320 MHz



802.11a_ANT-1

5500 MHz



5560 MHz



5700 MHz



802.11a_ANT-1

5720 MHz



5720 MHz

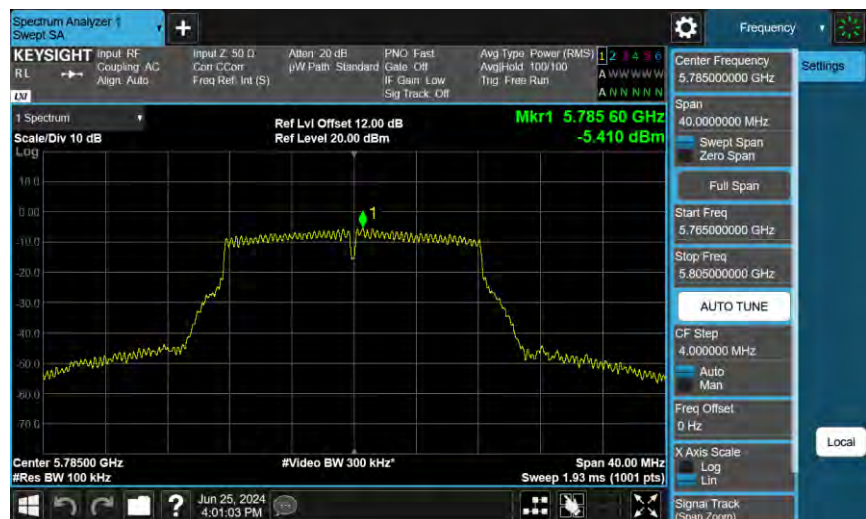


802.11a_ANT-1

5745 MHz



5785 MHz



5825 MHz

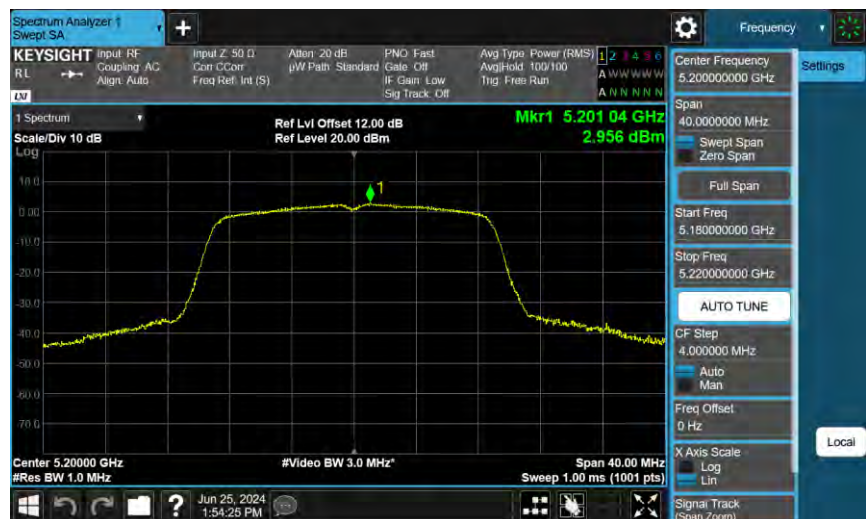


802.11ac VHT20_ANT-1

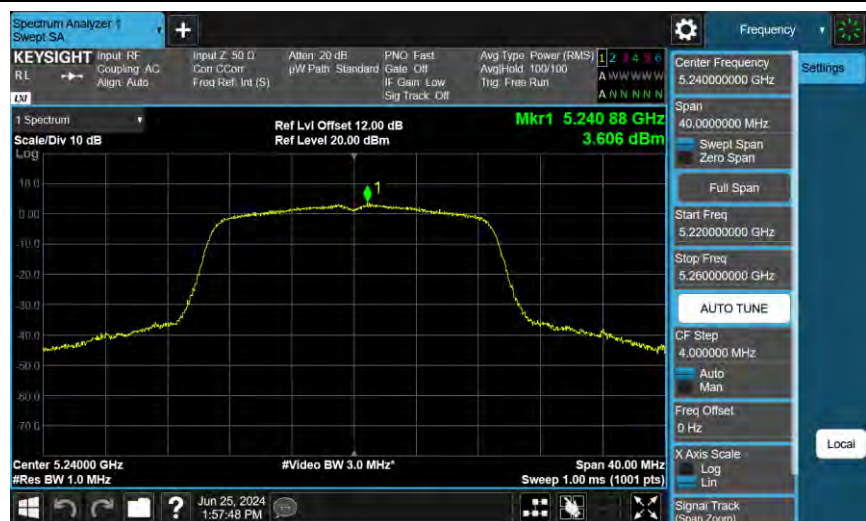
5180 MHz



5200 MHz



5240 MHz

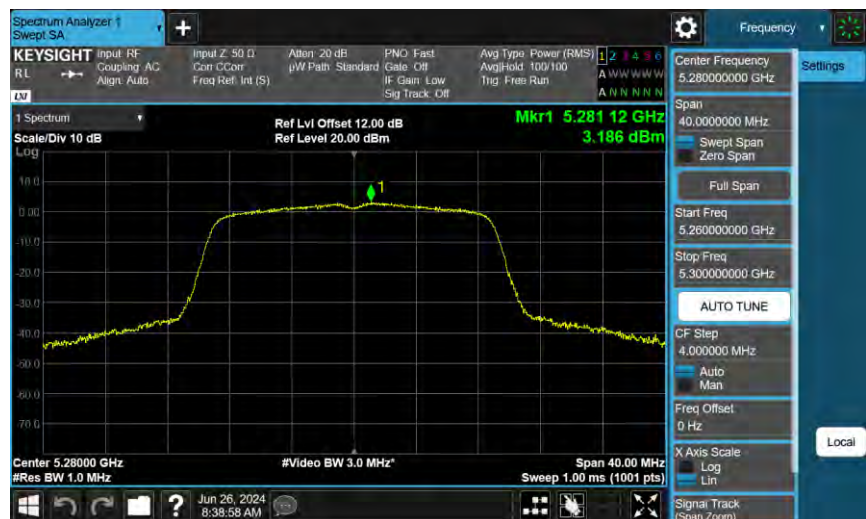


802.11ac VHT20_ANT-1

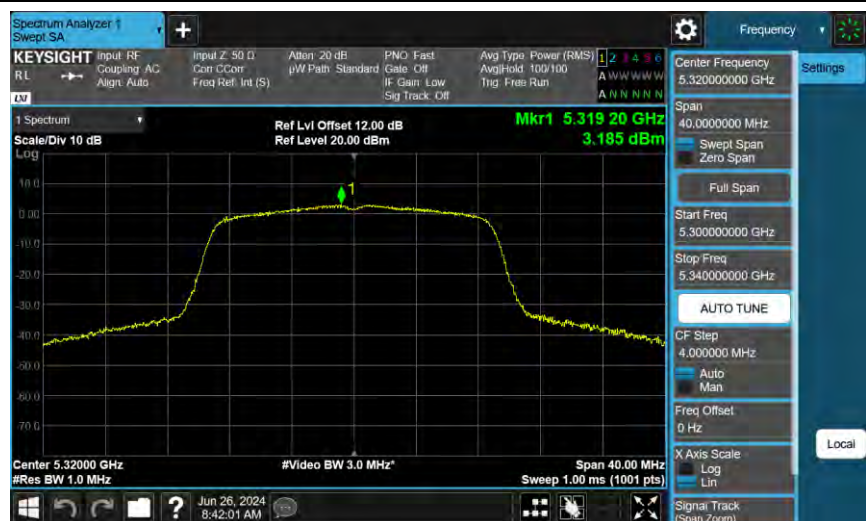
5260 MHz

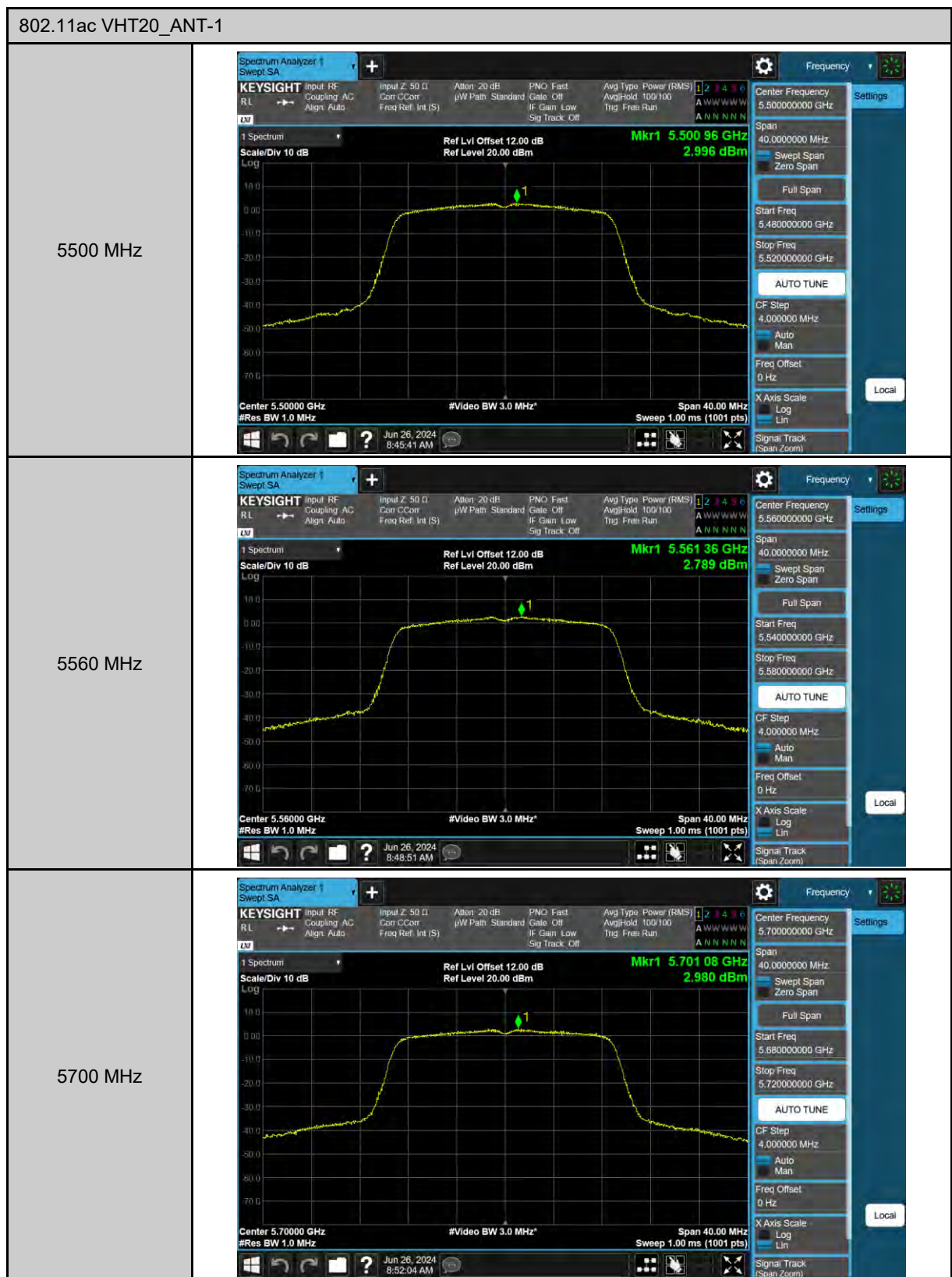


5280 MHz



5320 MHz



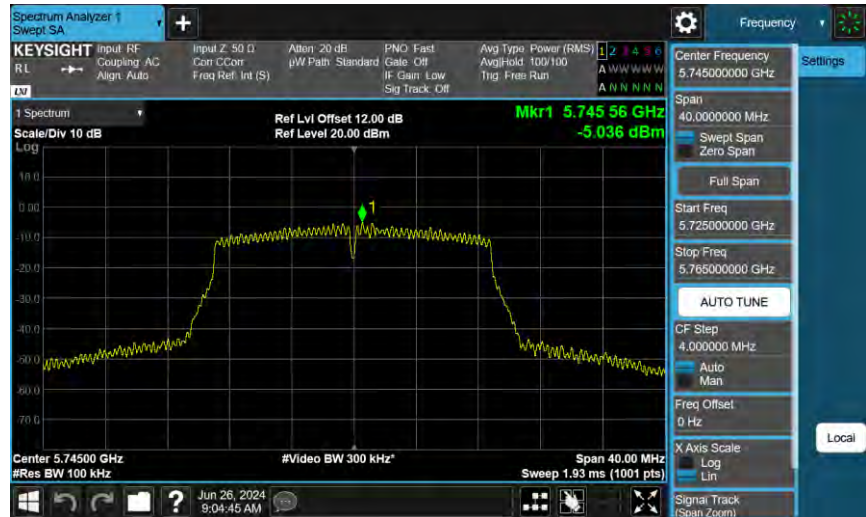


802.11ac VHT20_ANT-1

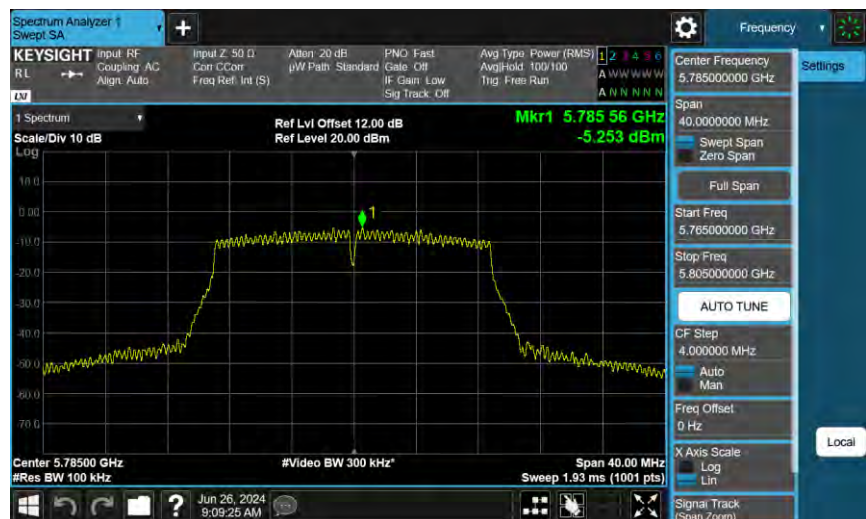


802.11ac VHT20_ANT-1

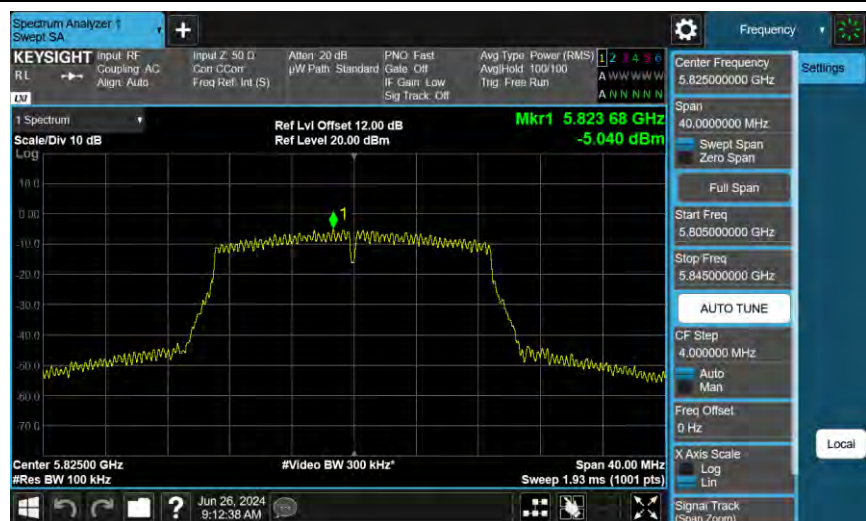
5745 MHz



5785 MHz



5825 MHz



802.11ac VHT40_ANT-1



802.11ac VHT40_ANT-1

5270 MHz



5310 MHz



802.11ac VHT40_ANT-1

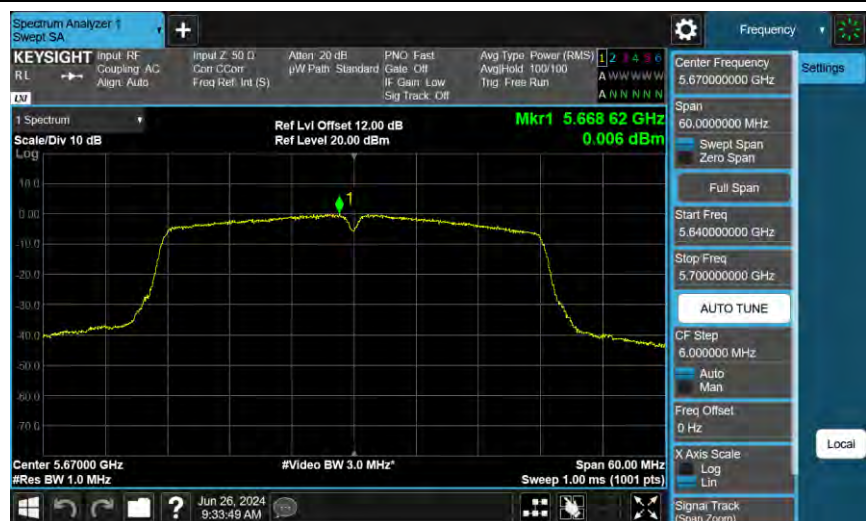
5510 MHz



5550 MHz



5670 MHz



802.11ac VHT40_ANT-1



802.11ac VHT40_ANT-1

5755 MHz



5795 MHz



802.11ac VHT80_ANT-1

5210 MHz



5290 MHz



802.11ac VHT80_ANT-1



802.11ac VHT80_ANT-1

5690 MHz



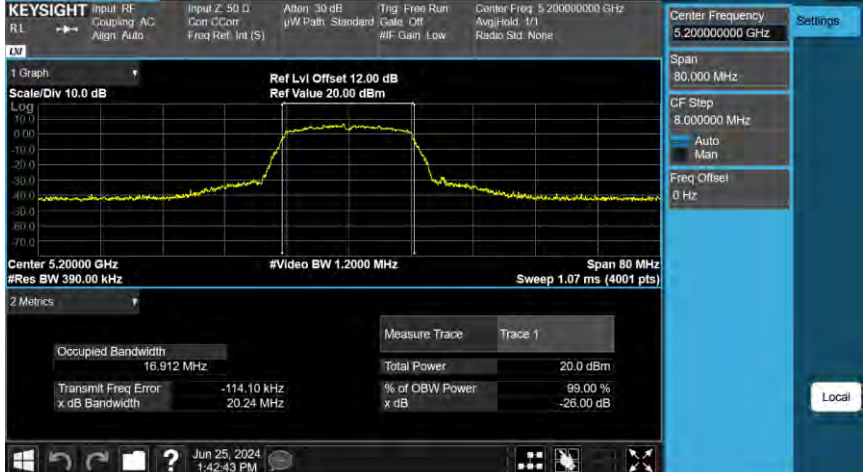
5690 MHz



5775 MHz



26 dB Bandwidth & 99% Occupied Bandwidth

802.11a_ANT-0	
5200 MHz	
5240 MHz	

802.11a_ANT-0

5260 MHz



5280 MHz



5320 MHz



802.11a_ANT-0

5500 MHz

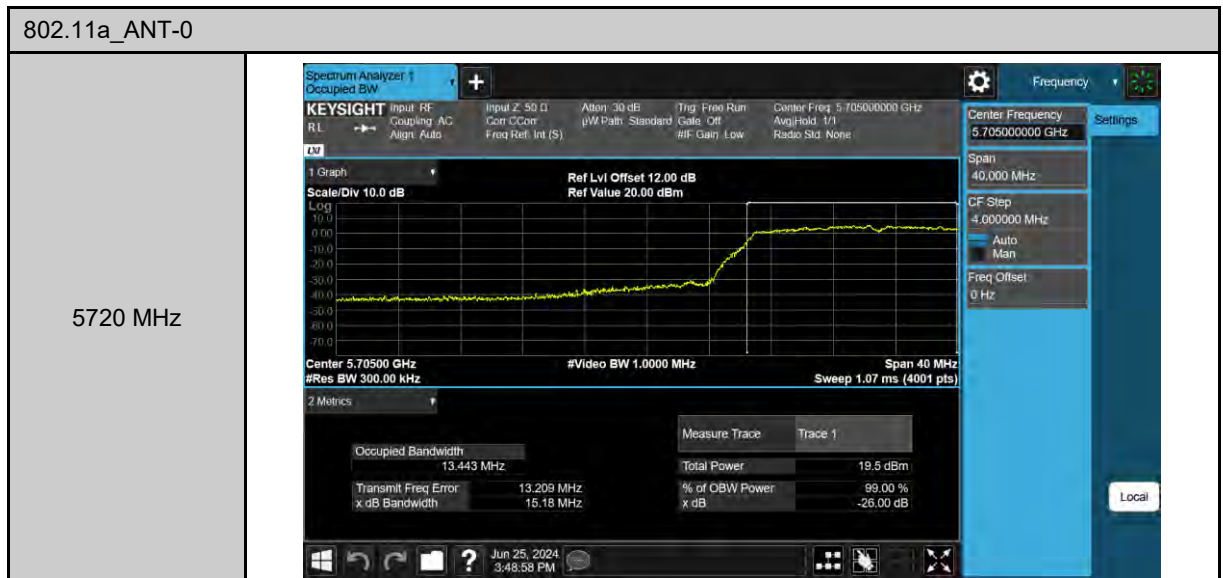


5560 MHz



5700 MHz



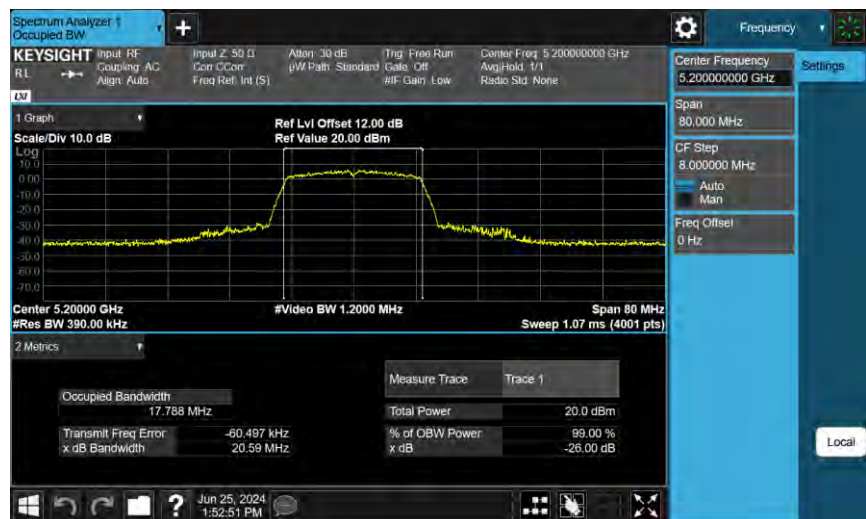


802.11ac VHT20_ANT-0

5180 MHz



5200 MHz



5240 MHz



802.11ac VHT20_ANT-0

5260 MHz



5280 MHz



5320 MHz



802.11ac VHT20_ANT-0

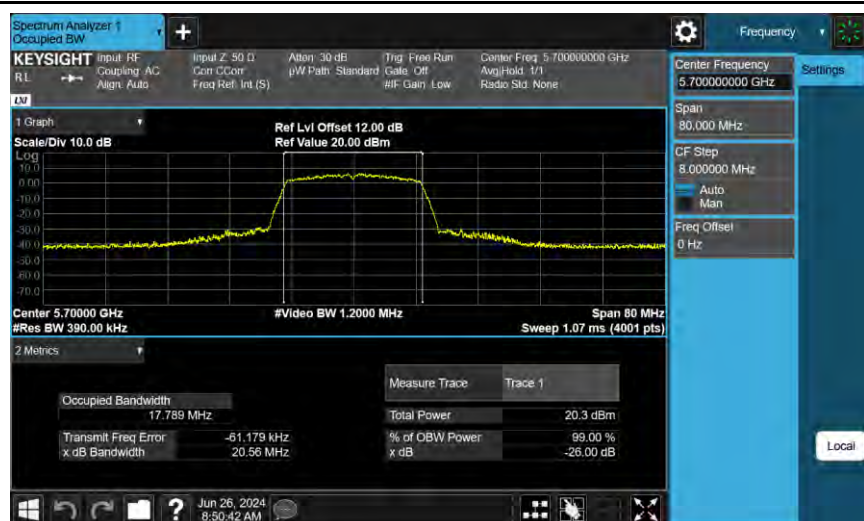
5500 MHz

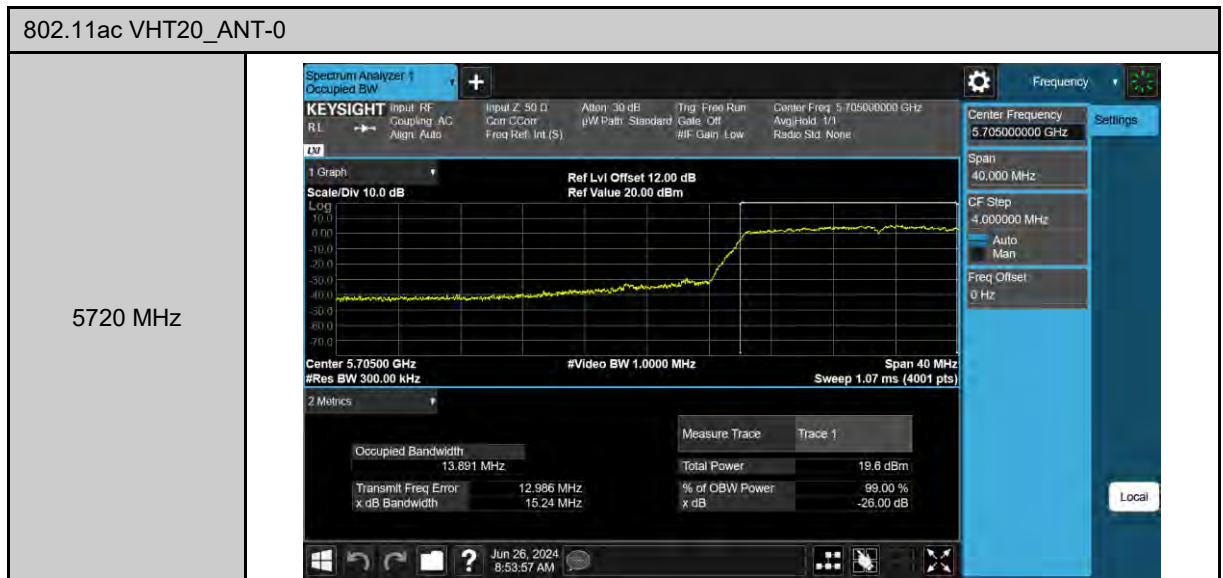


5560 MHz



5700 MHz





802.11ac VHT40_ANT-0

5190 MHz



5230 MHz



5270 MHz



802.11ac VHT40_ANT-0

5310 MHz



5510 MHz



5550 MHz



802.11ac VHT40_ANT-0

5670 MHz



5710 MHz



802.11ac VHT80_ANT-0

5610 MHz



5690 MHz



802.11a_ANT-1

5180 MHz



5200 MHz



5240 MHz



802.11a_ANT-1

5260 MHz



5280 MHz



5320 MHz



802.11a_ANT-1

5500 MHz



5560 MHz



5700 MHz





802.11ac VHT20_ANT-1

5180 MHz	 Keysight Spectrum Analyzer 1 Occupied BW Center Frequency: 5.18000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Ref Lvl Offset: 12.00 dB Ref Value: 20.00 dBm Occupied Bandwidth: 18.324 MHz Total Power: 21.6 dBm Transmit Freq Error: -222.43 kHz % of OBW Power: 99.00 % x dB Bandwidth: 31.55 MHz x dB: -26.00 dB
5200 MHz	 Keysight Spectrum Analyzer 1 Occupied BW Center Frequency: 5.20000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Ref Lvl Offset: 12.00 dB Ref Value: 20.00 dBm Occupied Bandwidth: 17.625 MHz Total Power: 21.0 dBm Transmit Freq Error: -52.849 kHz % of OBW Power: 99.00 % x dB Bandwidth: 20.35 MHz x dB: -26.00 dB
5240 MHz	 Keysight Spectrum Analyzer 1 Occupied BW Center Frequency: 5.24000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Ref Lvl Offset: 12.00 dB Ref Value: 20.00 dBm Occupied Bandwidth: 17.569 MHz Total Power: 21.1 dBm Transmit Freq Error: -85.266 kHz % of OBW Power: 99.00 % x dB Bandwidth: 20.01 MHz x dB: -26.00 dB Mkr1 5.25000000 GHz -18.99 dBm

802.11ac VHT20_ANT-1

5260 MHz



5280 MHz



5320 MHz



802.11ac VHT20_ANT-1

5500 MHz



5560 MHz



5700 MHz





802.11ac VHT40_ANT-1

5190 MHz



5230 MHz



5270 MHz



802.11ac VHT40_ANT-1

5310 MHz



5510 MHz



5550 MHz



802.11ac VHT40_ANT-1

5670 MHz



5710 MHz



802.11ac VHT80_ANT-1

5210 MHz	 Keysight Spectrum Analyzer 1 Occupied BW Center Frequency: 5.21000000 GHz Span: 240.00 MHz CF Step: 24.000000 MHz Freq Offset: 0 Hz Scale/Div: 10.0 dB Ref Lvl Offset: 12.00 dB Ref Value: 20.00 dBm Mkr1: 5.25000000 GHz -13.29 dBm Center: 5.2100 GHz #Res BW: 1.5000 MHz #Video BW: 5.0000 MHz Sweep: 1.07 ms (4001 pts) 2 Metrics Occupied Bandwidth: 75.708 MHz Total Power: 21.2 dBm Transmit Freq Error: 10.202 kHz % of OBW Power: 99.00 % x dB Bandwidth: 81.11 MHz x dB: -26.00 dB Measure Trace: Trace 1 Jun 25, 2024 2:09:41 PM
5290 MHz	 Keysight Spectrum Analyzer 1 Occupied BW Center Frequency: 5.29000000 GHz Span: 240.00 MHz CF Step: 24.000000 MHz Freq Offset: 0 Hz Scale/Div: 10.0 dB Ref Lvl Offset: 12.00 dB Ref Value: 20.00 dBm Center: 5.2900 GHz #Res BW: 1.5000 MHz #Video BW: 5.0000 MHz Sweep: 1.07 ms (4001 pts) 2 Metrics Occupied Bandwidth: 75.881 MHz Total Power: 21.3 dBm Transmit Freq Error: -61.429 kHz % of OBW Power: 99.00 % x dB Bandwidth: 81.54 MHz x dB: -26.00 dB Measure Trace: Trace 1 Jun 26, 2024 9:53:48 AM
5530 MHz	 Keysight Spectrum Analyzer 1 Occupied BW Center Frequency: 5.53000000 GHz Span: 240.00 MHz CF Step: 24.000000 MHz Freq Offset: 0 Hz Scale/Div: 10.0 dB Ref Lvl Offset: 12.00 dB Ref Value: 20.00 dBm Center: 5.5300 GHz #Res BW: 1.5000 MHz #Video BW: 5.0000 MHz Sweep: 1.07 ms (4001 pts) 2 Metrics Occupied Bandwidth: 75.883 MHz Total Power: 21.8 dBm Transmit Freq Error: -165.71 kHz % of OBW Power: 99.00 % x dB Bandwidth: 81.64 MHz x dB: -26.00 dB Measure Trace: Trace 1 Jun 26, 2024 9:57:26 AM

802.11ac VHT80_ANT-1

5610 MHz



5690 MHz

