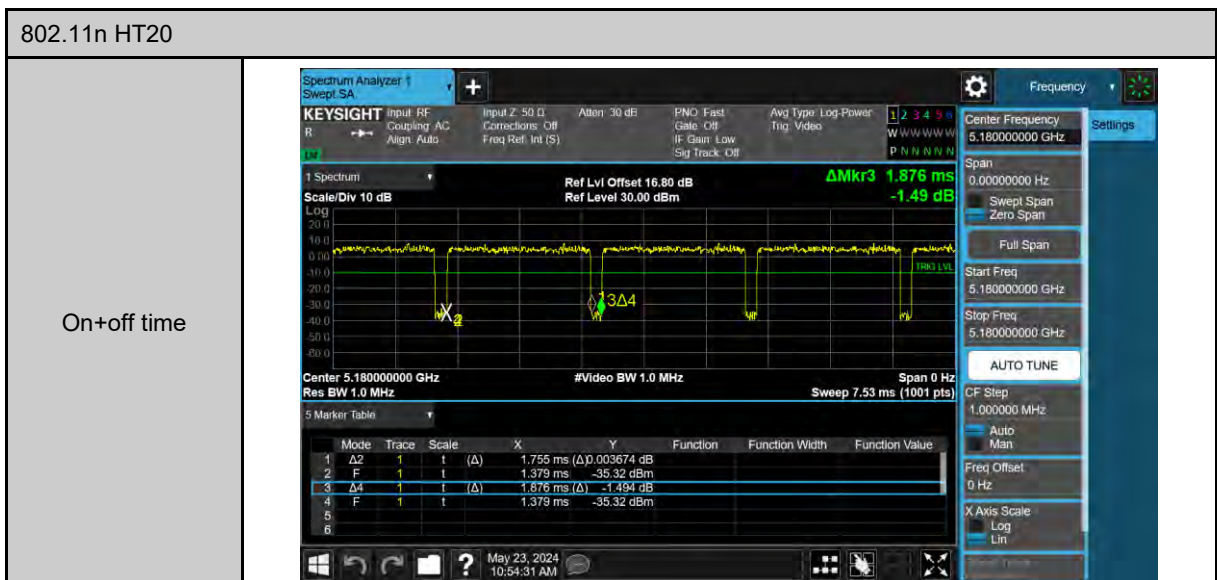
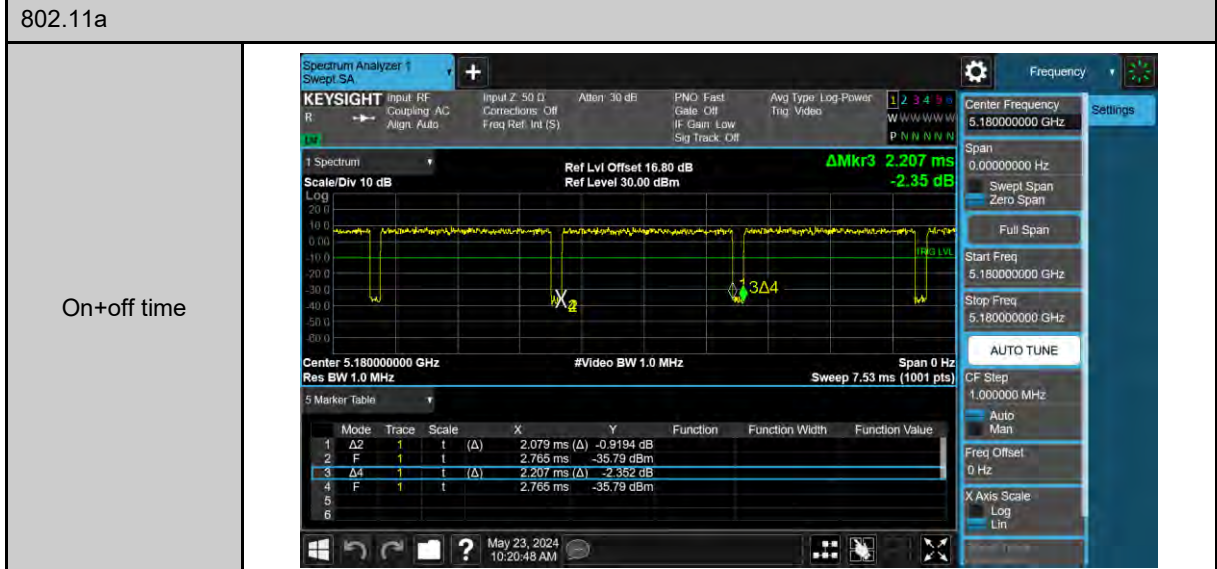


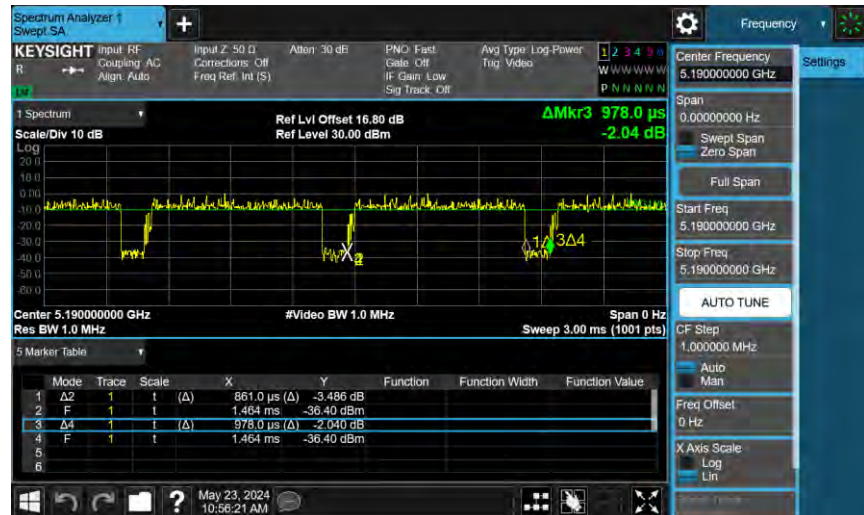
Appendix B. Test Plots

Duty cycle



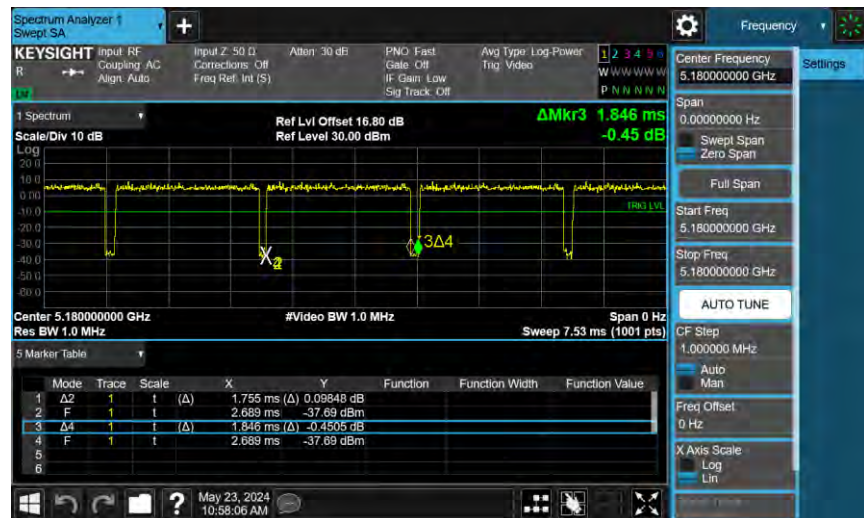
802.11n HT40

On+off time



802.11ac VHT20

On+off time



802.11ac VHT40

On+off time

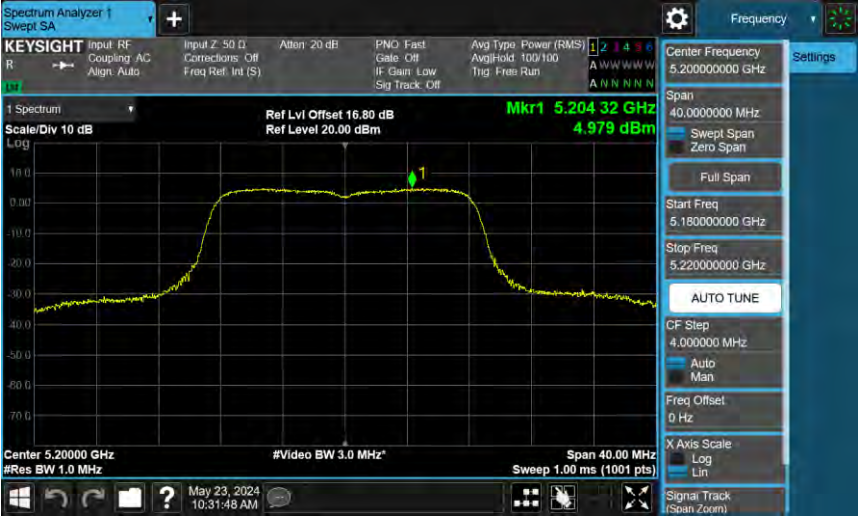
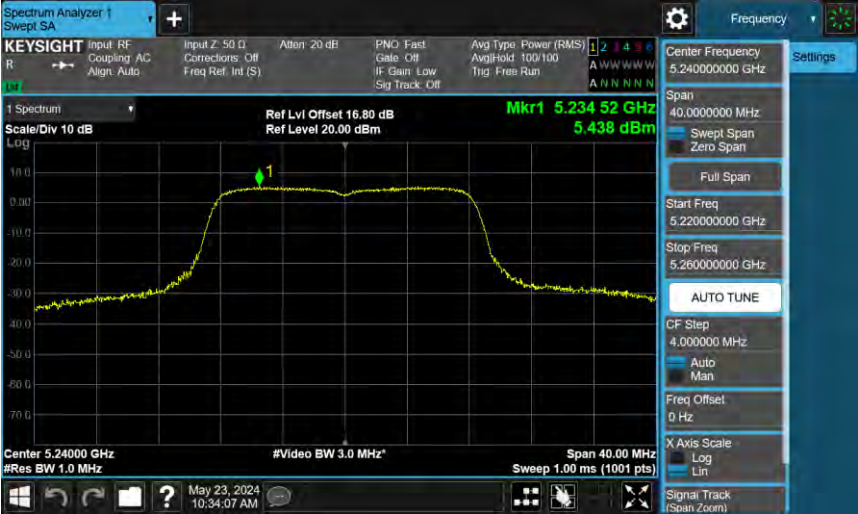


802.11ac VHT80

On+off time

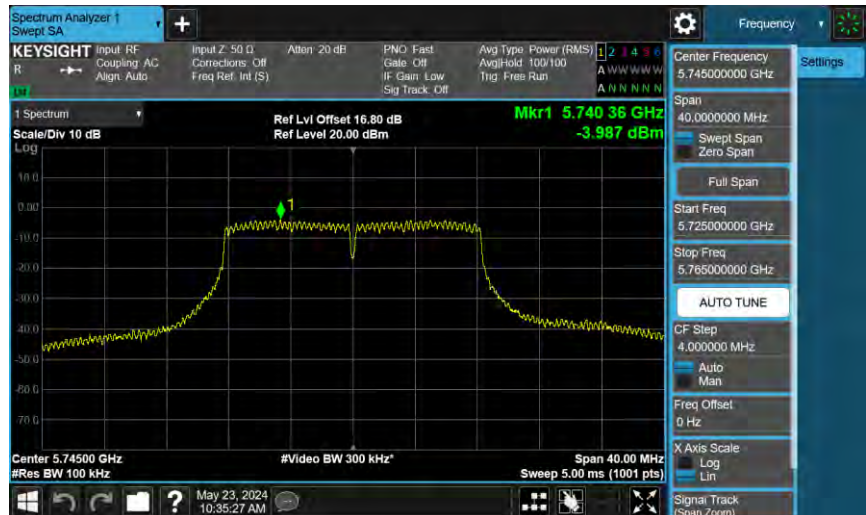


Maximum Power Spectral Density

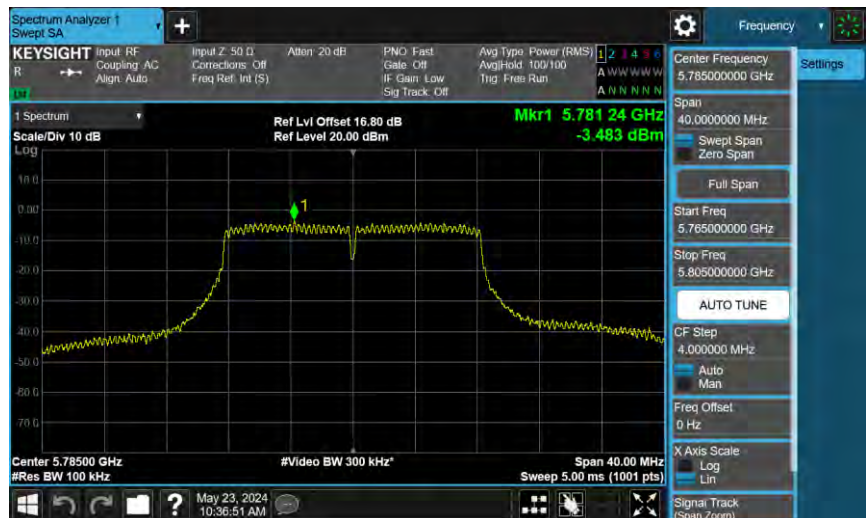
802.11a_ANT-0 5180 MHz	
5200 MHz	
5240 MHz	

802.11a_ANT-0

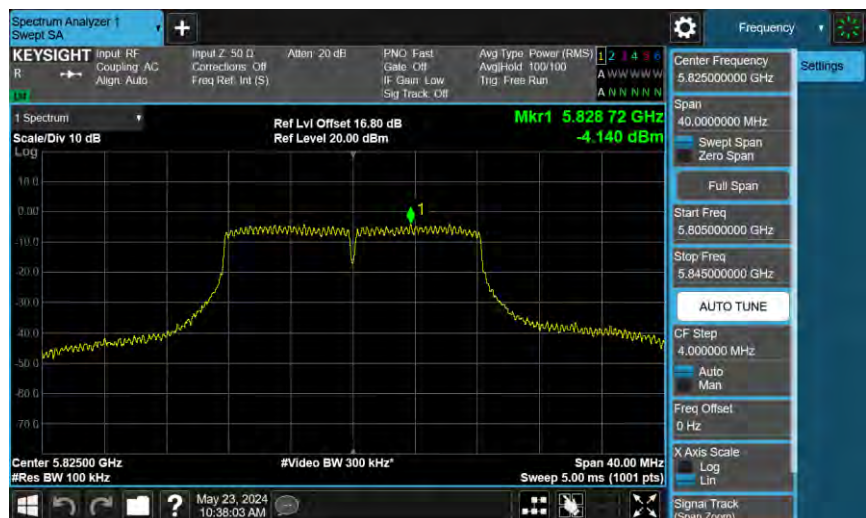
5745 MHz



5785 MHz



5825 MHz



802.11ac VHT20_ANT-0

5180 MHz



5200 MHz

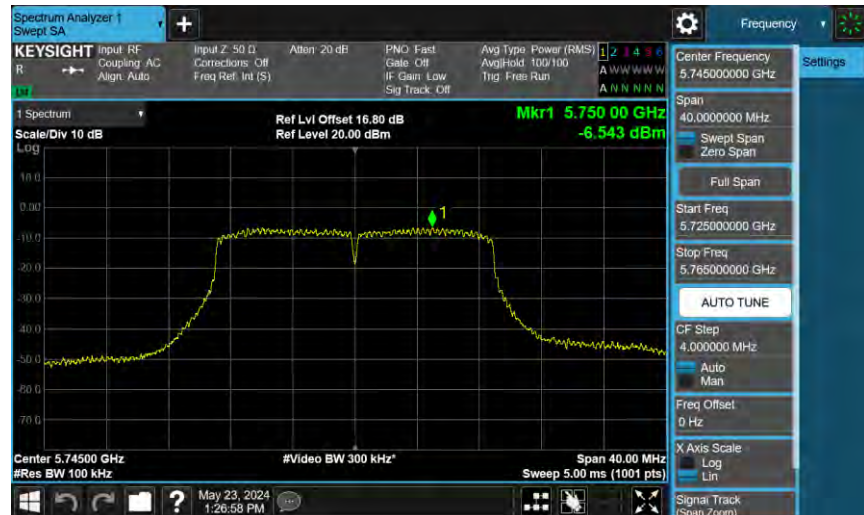


5240 MHz

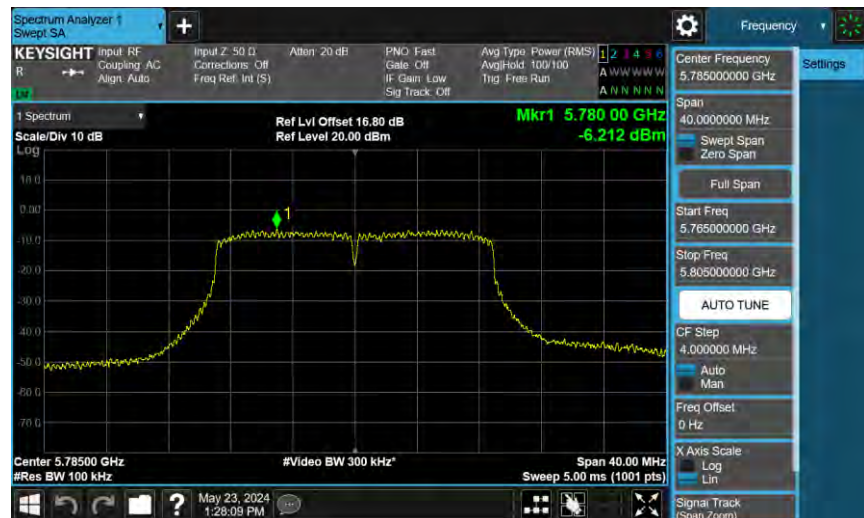


802.11ac VHT20_ANT-0

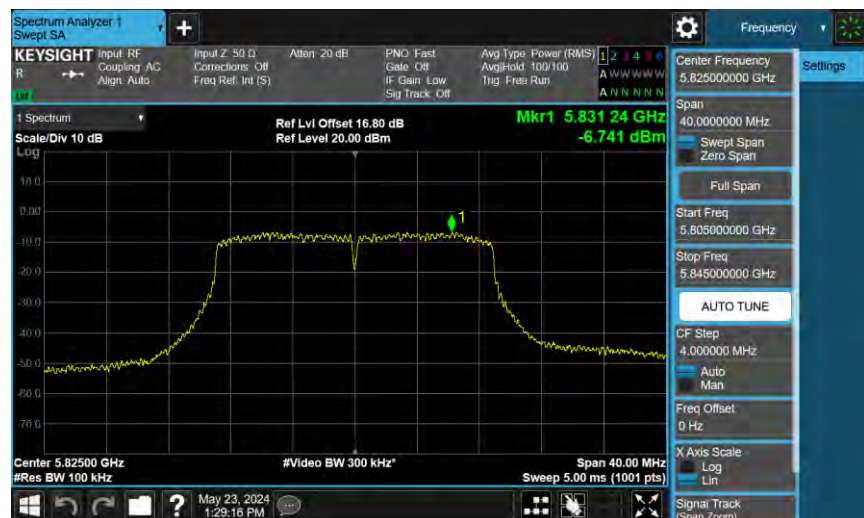
5745 MHz



5785 MHz



5825 MHz



802.11ac VHT40_ANT-0

5190 MHz



5230 MHz



802.11ac VHT40_ANT-0

5755 MHz



5795 MHz



802.11ac VHT80_ANT-0

5210 MHz



5775 MHz



802.11a_ANT-1

5180 MHz



5200 MHz

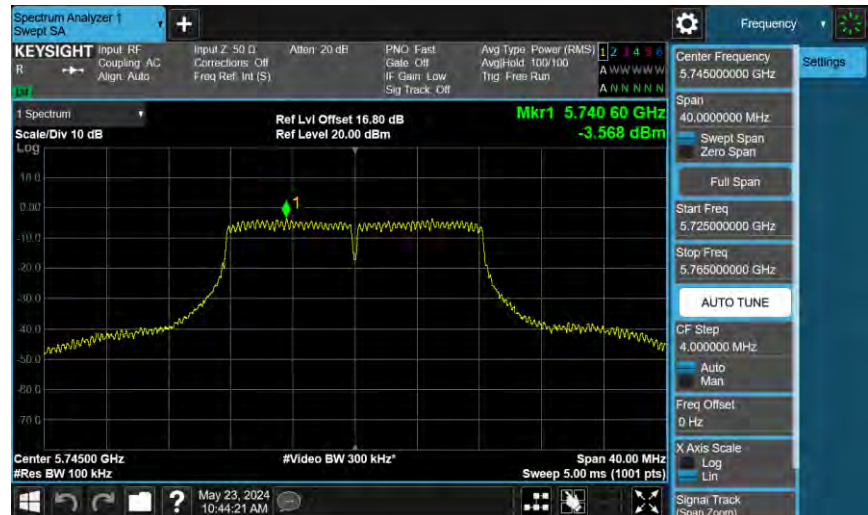


5240 MHz

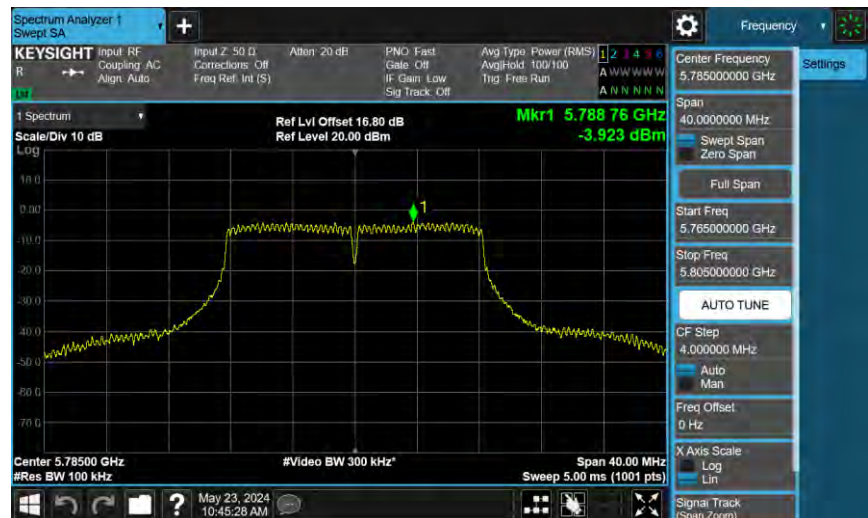


802.11a_ANT-1

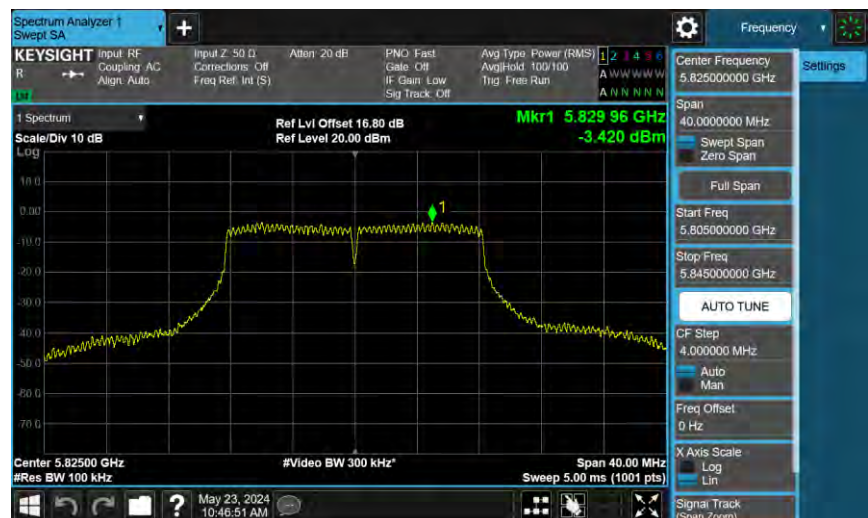
5745 MHz



5785 MHz



5825 MHz

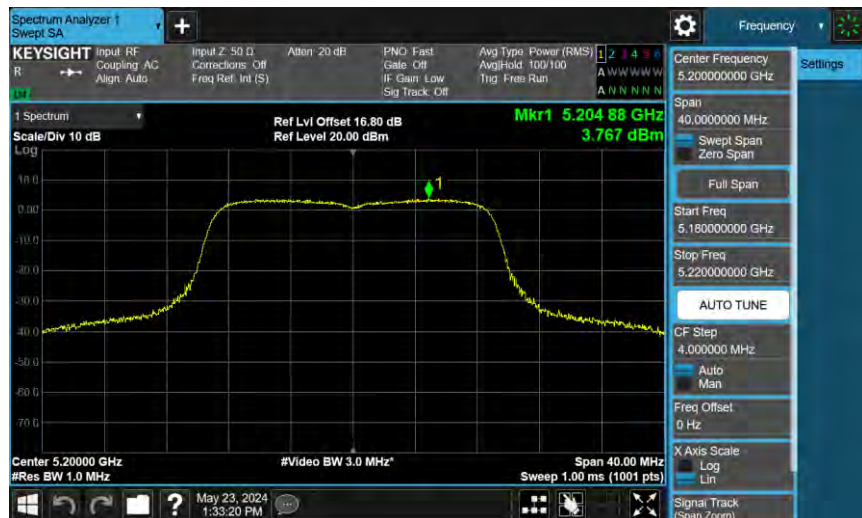


802.11ac VHT20_ANT-1

5180 MHz



5200 MHz

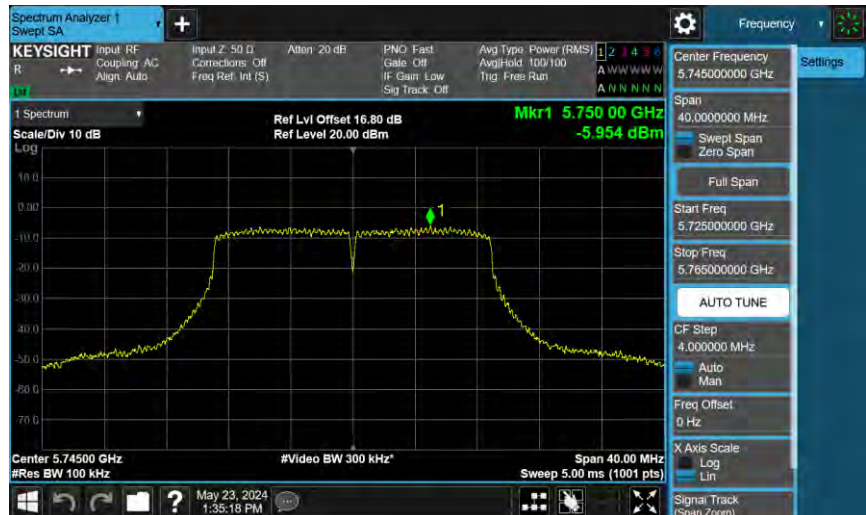


5240 MHz

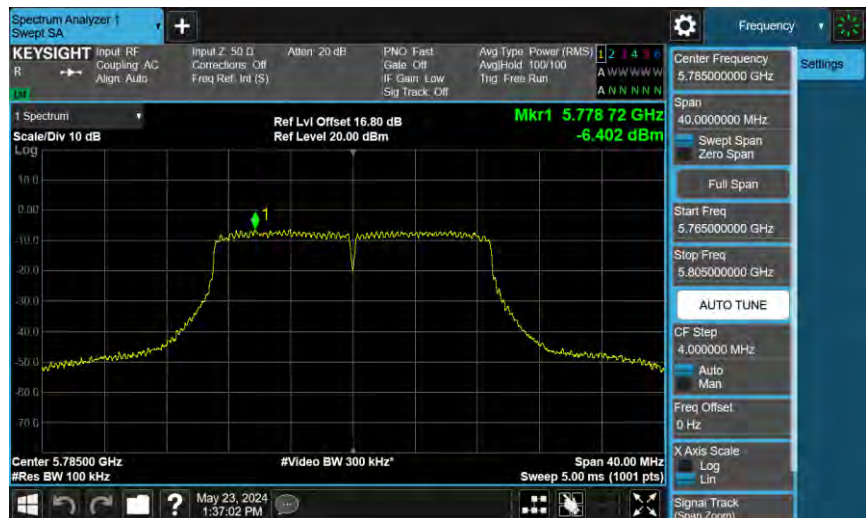


802.11ac VHT20_ANT-1

5745 MHz



5785 MHz

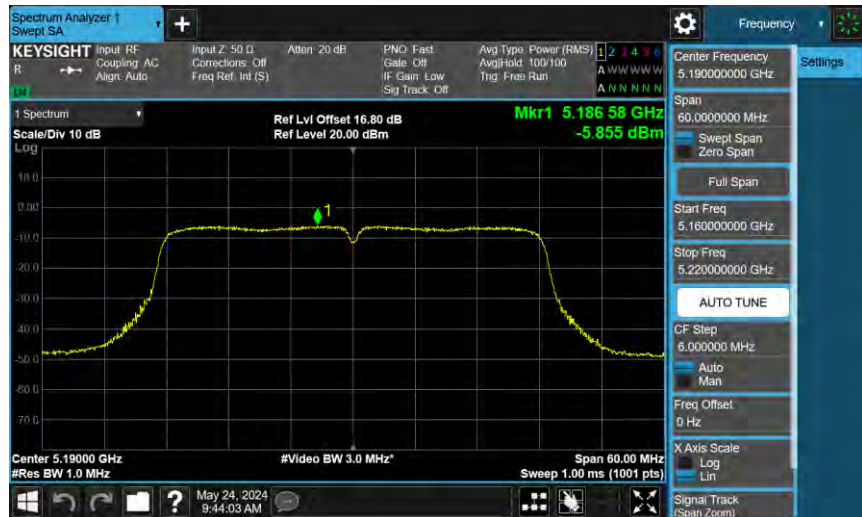


5825 MHz



802.11ac VHT40_ANT-1

5190 MHz

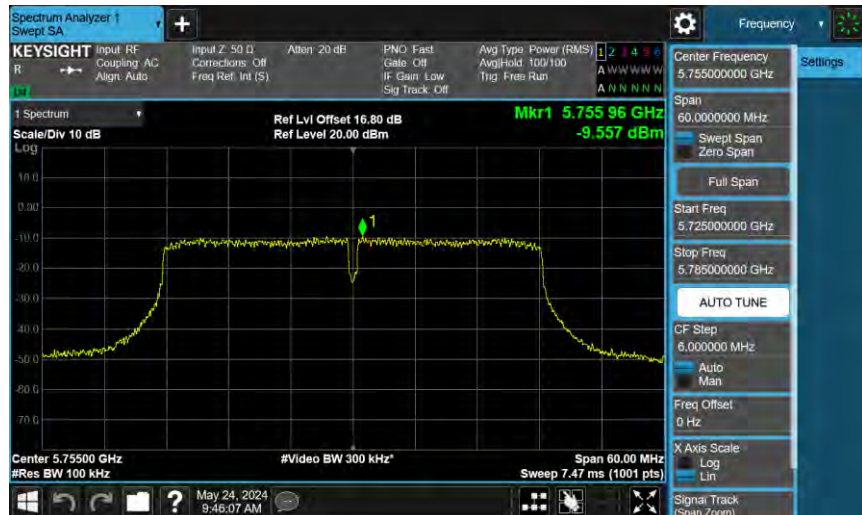


5230 MHz

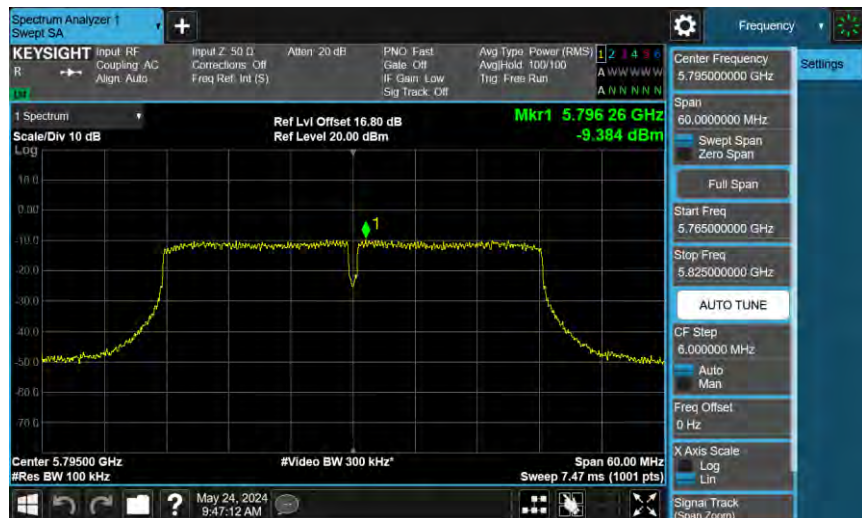


802.11ac VHT40_ANT-1

5755 MHz



5795 MHz



802.11ac VHT80_ANT-1

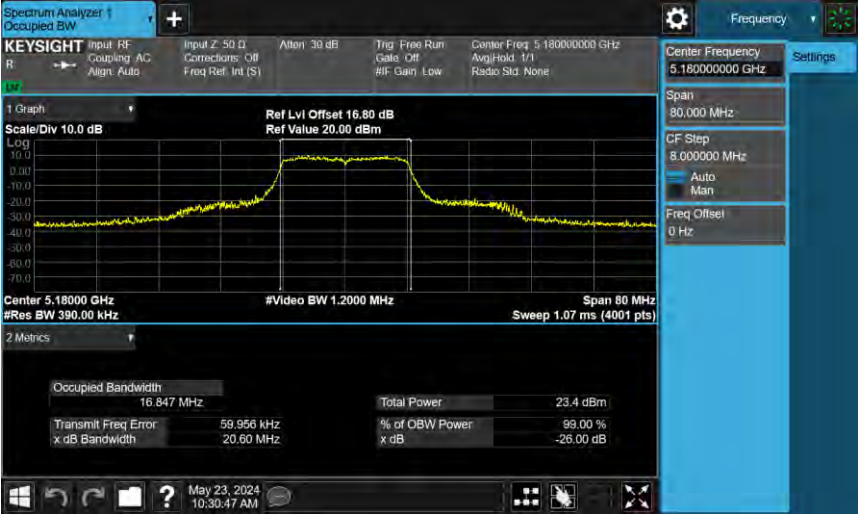
5210 MHz



5775 MHz



26 dB Bandwidth & 99% Occupied Bandwidth

802.11a_ANT-0	 Center Frequency: 5.18000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Center Freq: 5.18000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 16.847 MHz Total Power: 23.4 dBm Transmit Freq Error: 59.956 kHz x dB Bandwidth: 20.60 MHz % of OBW Power: 99.00 % x dB: -26.00 dB
5200 MHz	 Center Frequency: 5.20000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Center Freq: 5.20000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 16.783 MHz Total Power: 23.1 dBm Transmit Freq Error: 48.625 kHz x dB Bandwidth: 20.75 MHz % of OBW Power: 99.00 % x dB: -26.00 dB
5240 MHz	 Center Frequency: 5.24000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Center Freq: 5.24000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 16.958 MHz Total Power: 23.8 dBm Transmit Freq Error: 89.041 kHz x dB Bandwidth: 21.59 MHz % of OBW Power: 99.00 % x dB: -26.00 dB Mkr1 5.25000000 GHz -14.88 dBm

802.11ac VHT20_ANT-0

5180 MHz



5200 MHz



5240 MHz



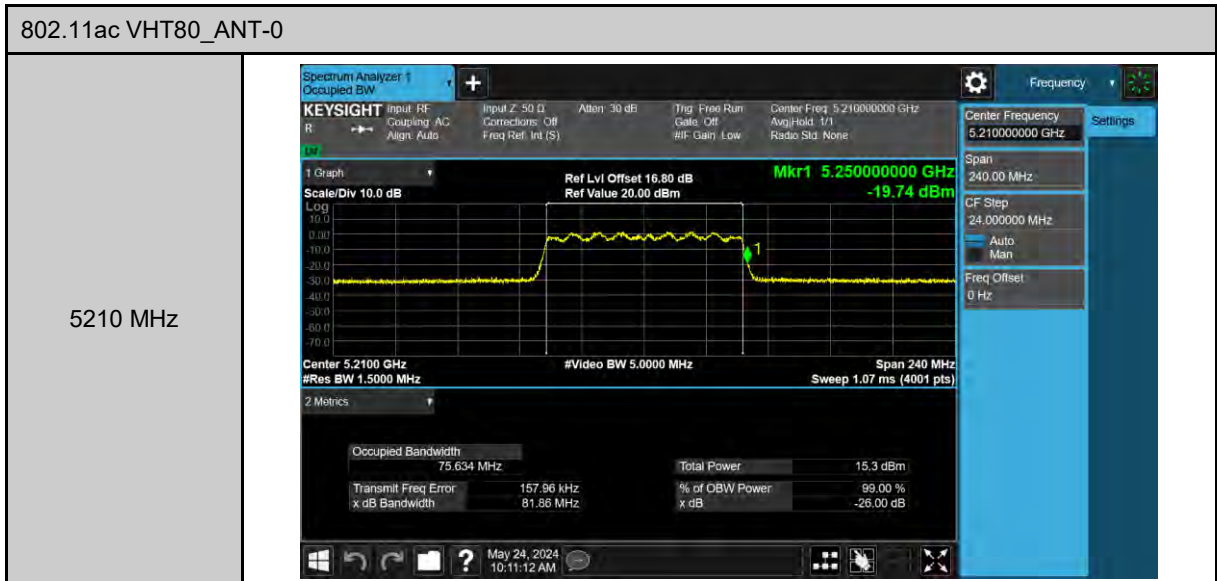
802.11ac VHT40_ANT-0

5190 MHz



5230 MHz





802.11a_ANT-1	 5180 MHz
5200 MHz	 5200 MHz
5240 MHz	 5240 MHz

802.11ac VHT20_ANT-1

5180 MHz



5200 MHz



5240 MHz



802.11ac VHT40_ANT-1

5190 MHz

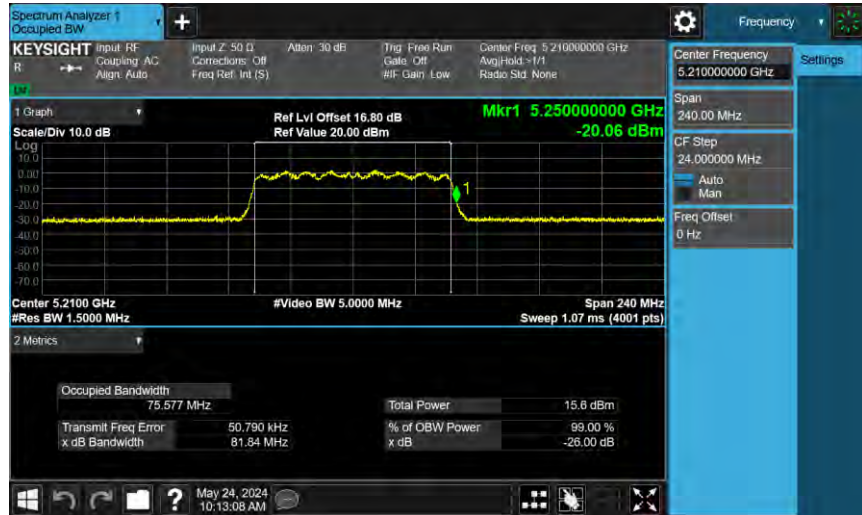


5230 MHz

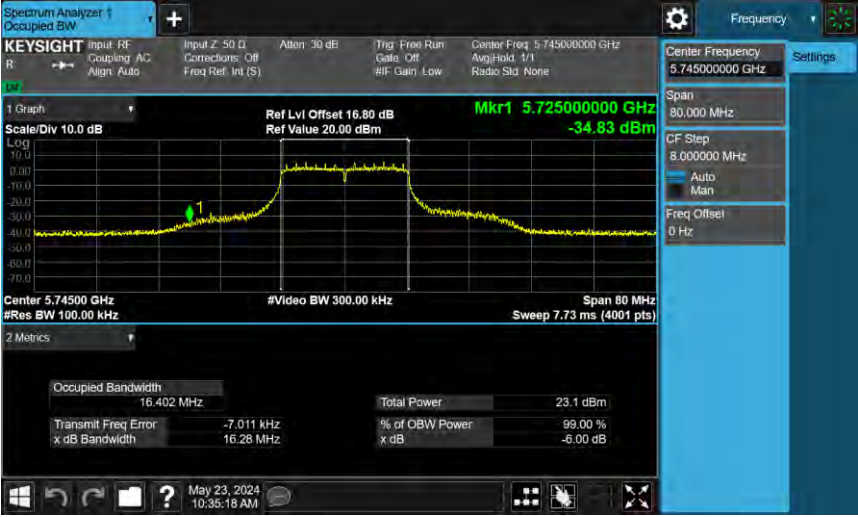
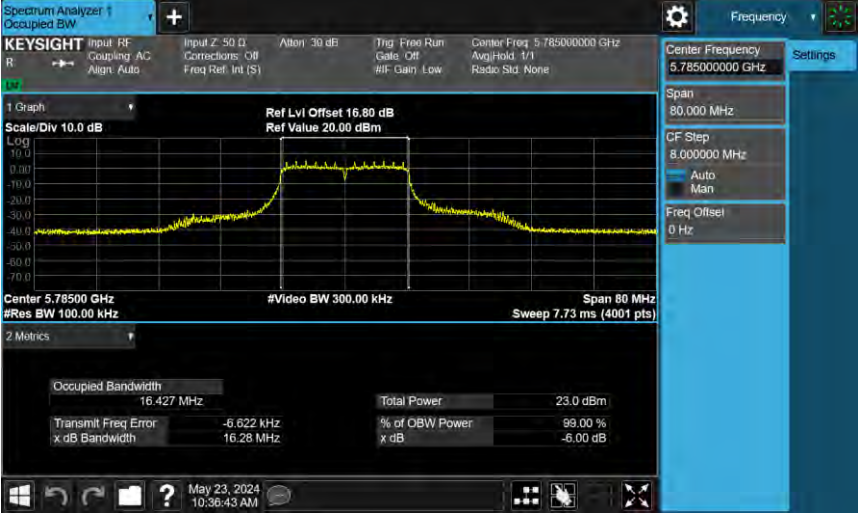


802.11ac VHT80_ANT-1

5210 MHz

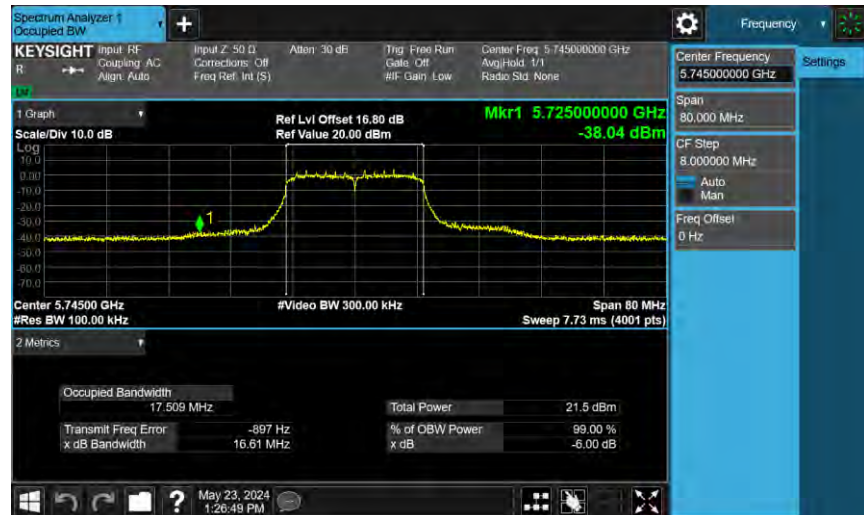


6 dB Bandwidth

802.11a_ANT-0	 5745 MHz
5785 MHz	 5785 MHz
5825 MHz	 5825 MHz

802.11ac VHT20_ANT-0

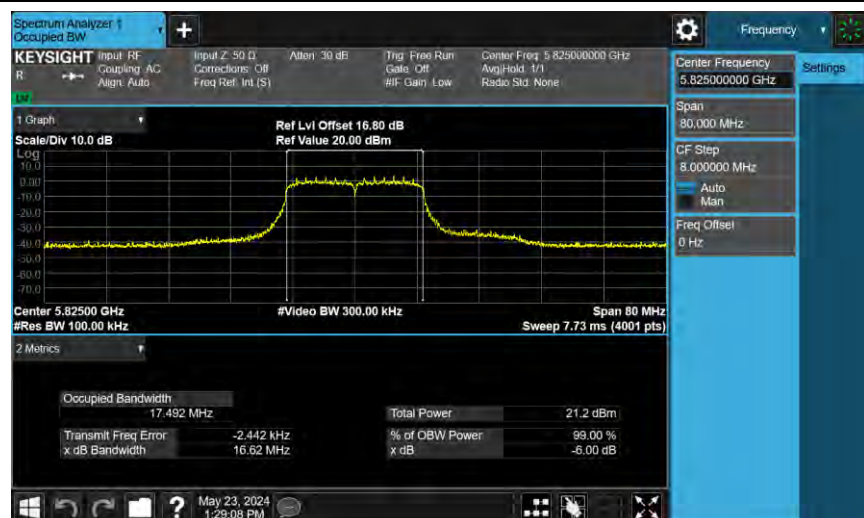
5745 MHz



5785 MHz



5825 MHz



802.11ac VHT40_ANT-0

5755 MHz

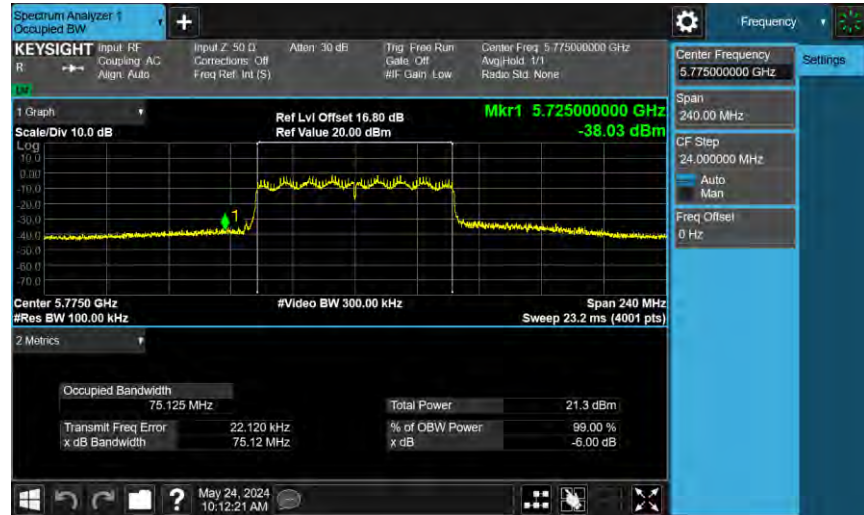


5795 MHz



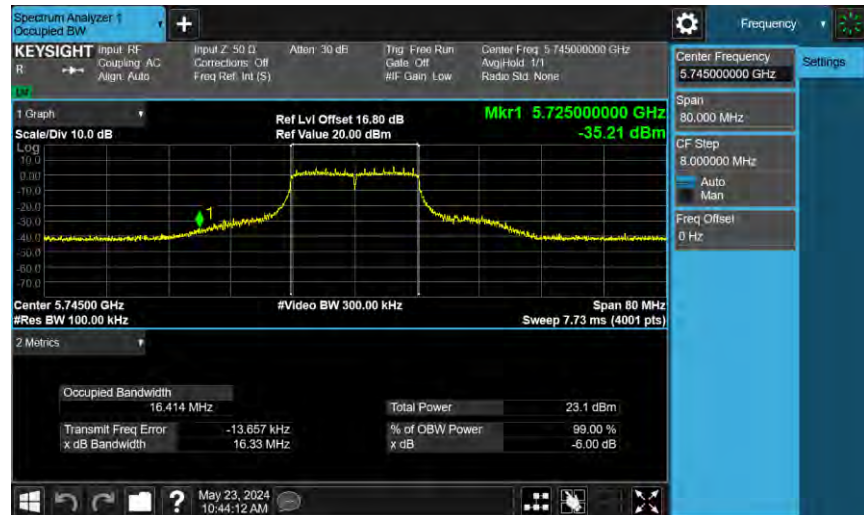
802.11ac VHT80_ANT-0

5775 MHz



802.11a_ANT-1

5745 MHz



5785 MHz

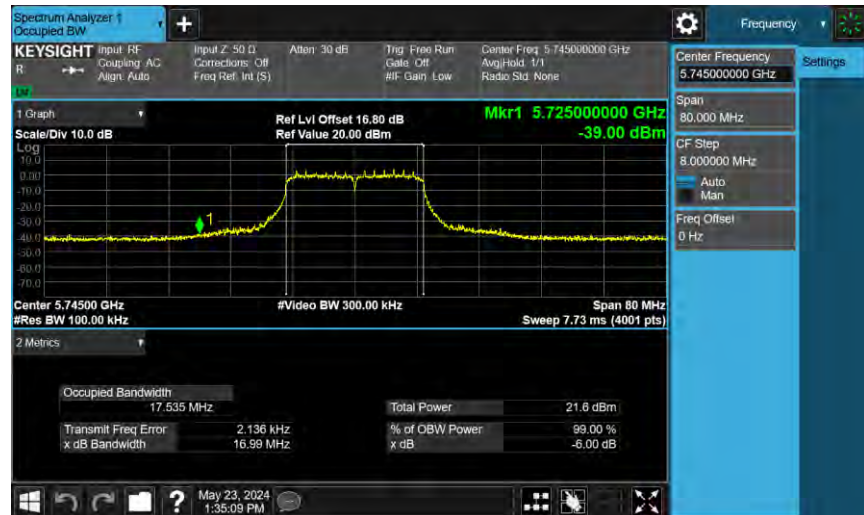


5825 MHz

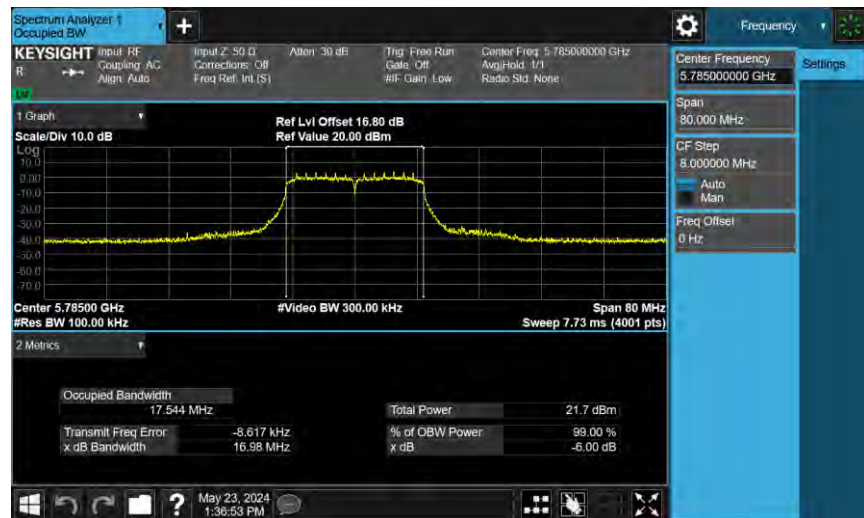


802.11ac VHT20_ANT-1

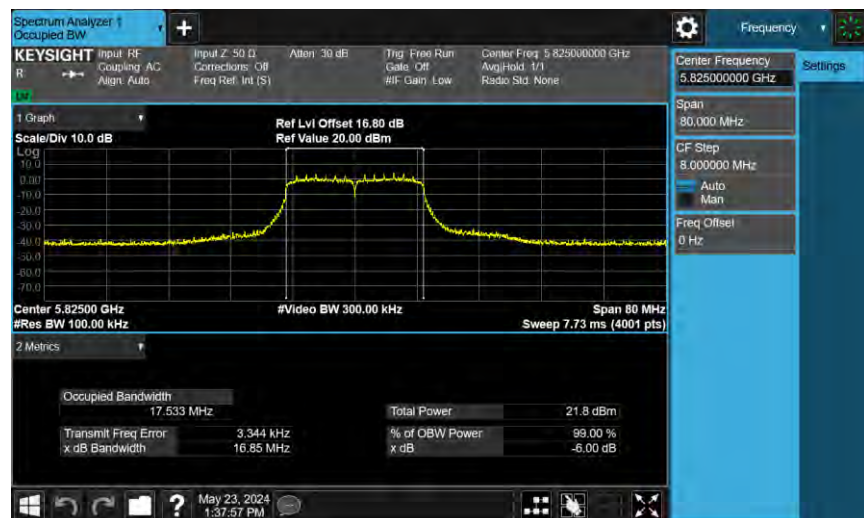
5745 MHz



5785 MHz

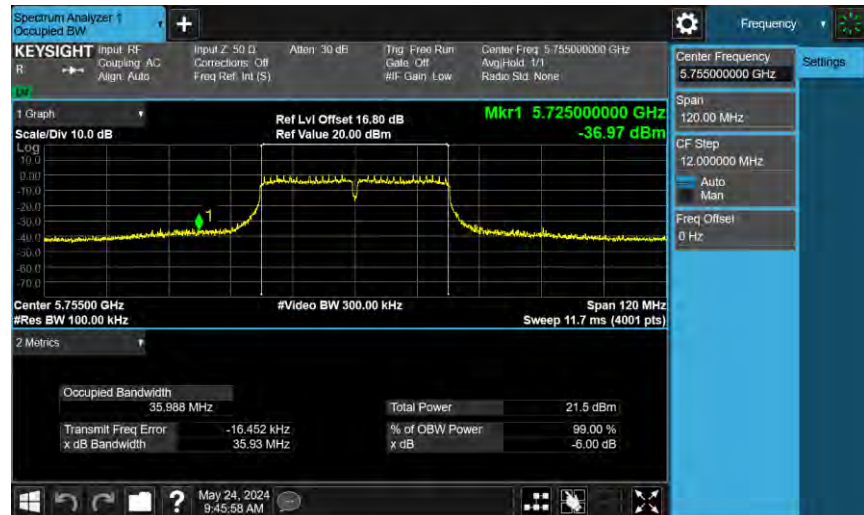


5825 MHz



802.11ac VHT40_ANT-1

5755 MHz

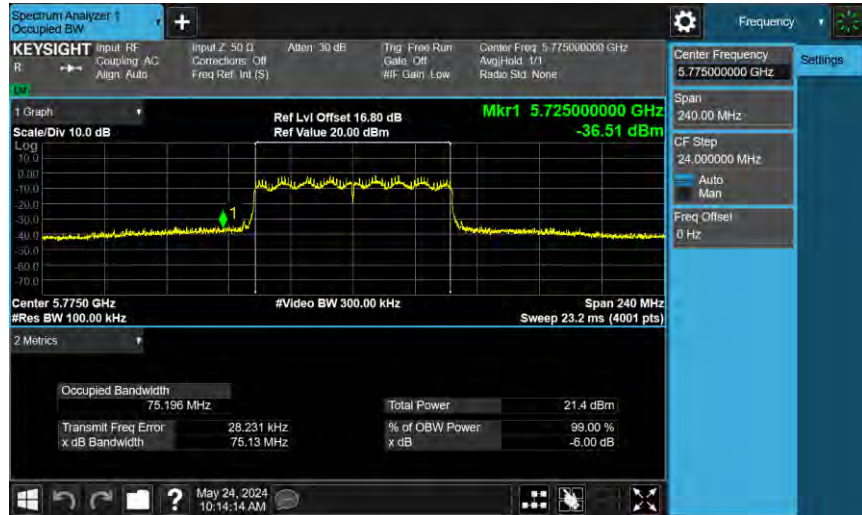


5795 MHz



802.11ac VHT80_ANT-1

5775 MHz



99% Occupied Bandwidth

802.11a_ANT-0

5745 MHz



5785 MHz



5825 MHz



802.11ac VHT20_ANT-0

5745 MHz



5785 MHz



5825 MHz



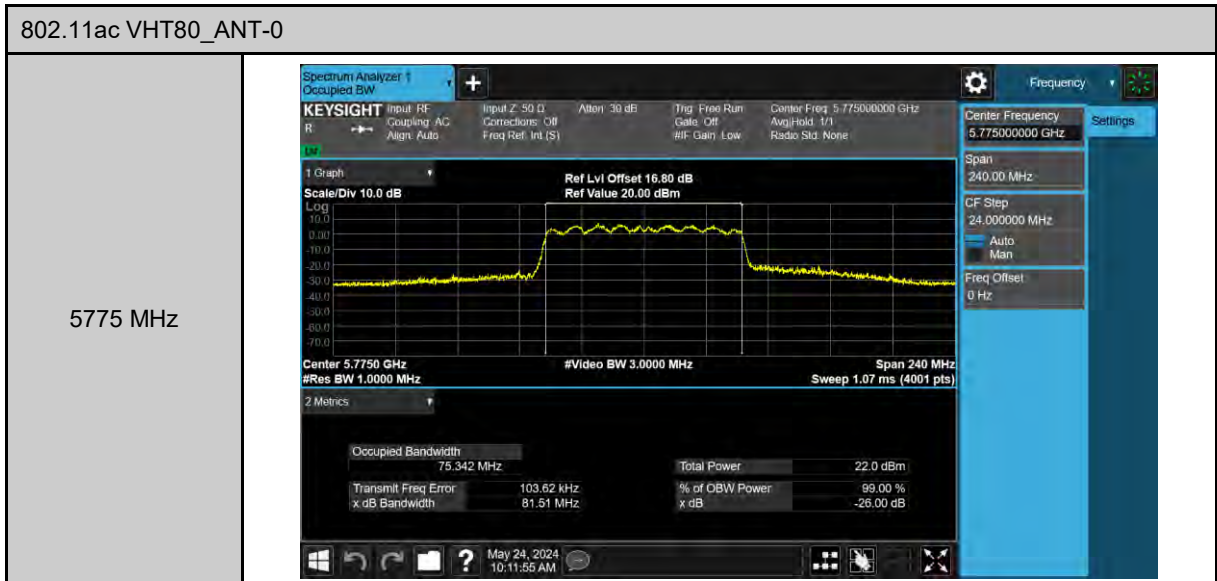
802.11ac VHT40_ANT-0

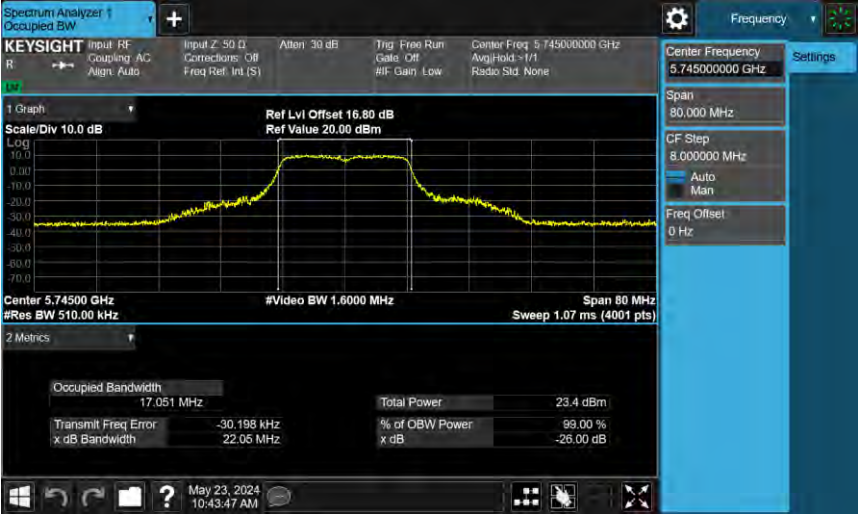
5755 MHz



5795 MHz





802.11a_ANT-1	 5745 MHz
5785 MHz	 5785 MHz
5825 MHz	 5825 MHz

802.11ac VHT20_ANT-1

5745 MHz



5785 MHz



5825 MHz



802.11ac VHT40_ANT-1

5755 MHz



5795 MHz



