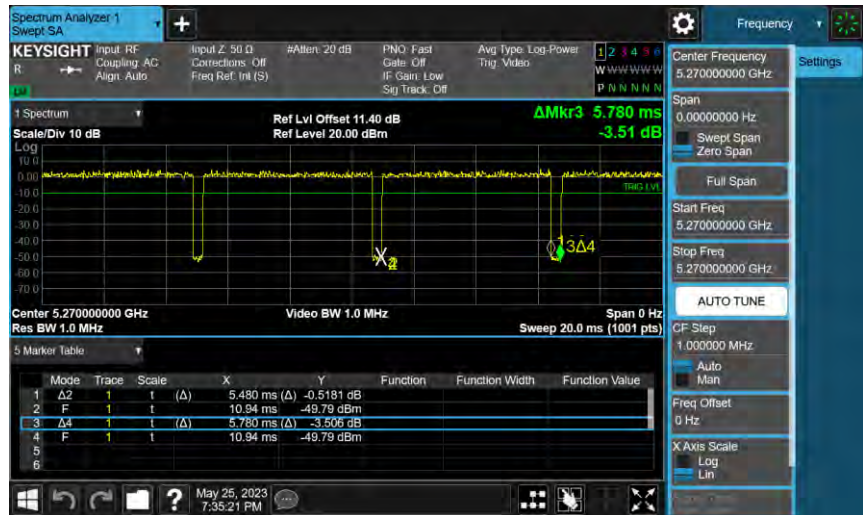


Appendix B. Test Plots



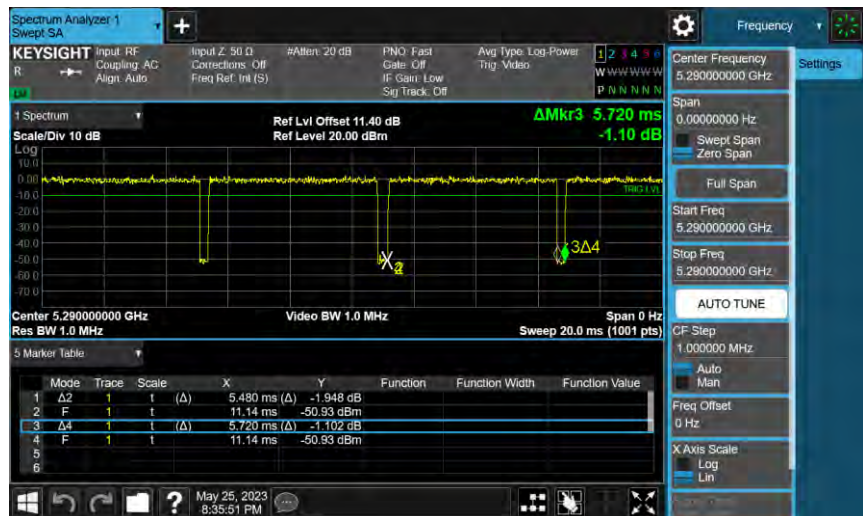
802.11ax HE40

On+off time

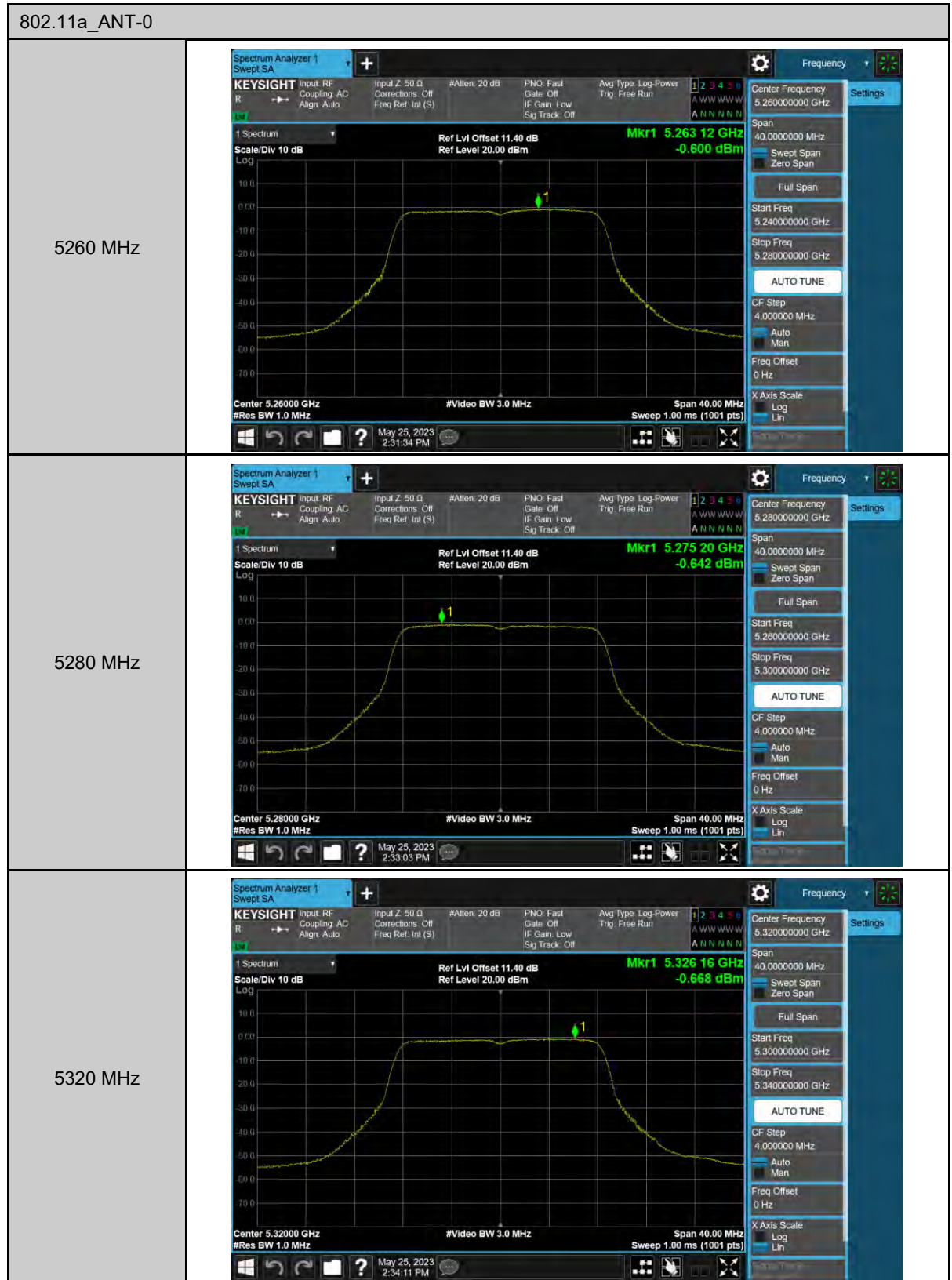


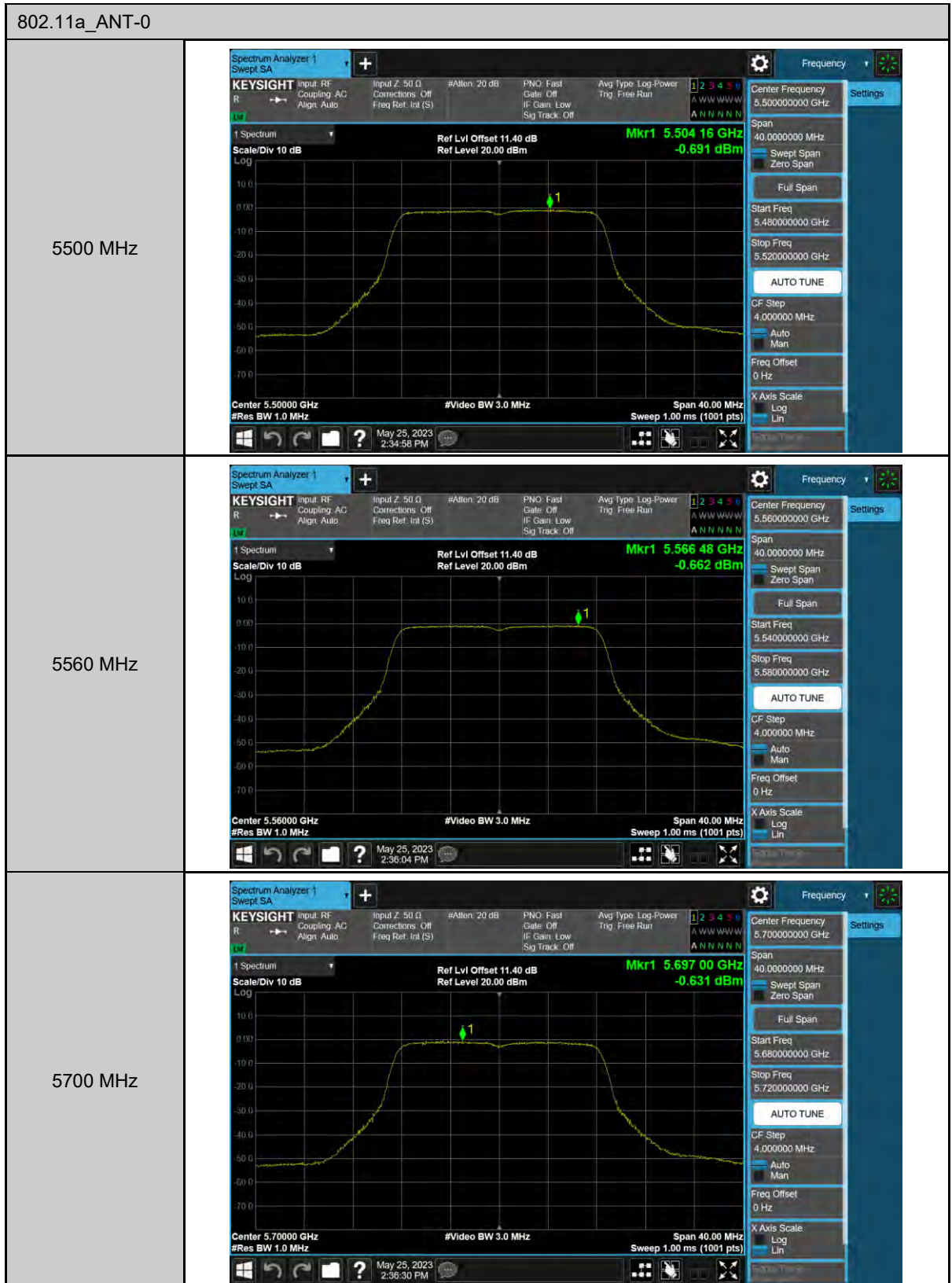
802.11ax HE80

On+off time



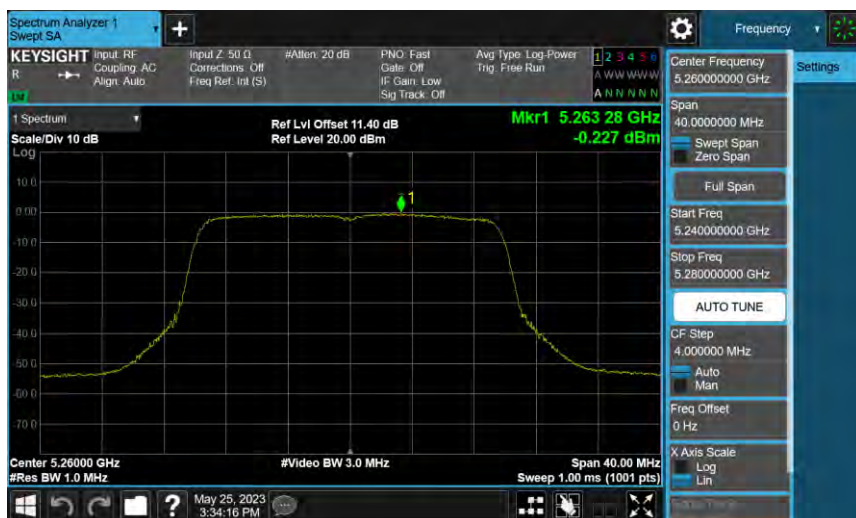
Maximum Power Spectral Density





802.11ax HE20_ANT-0

5260 MHz



5280 MHz

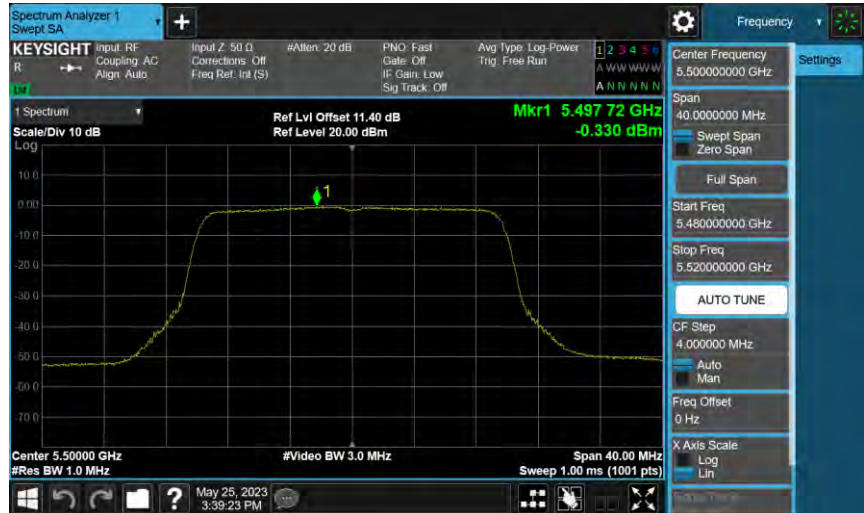


5320 MHz



802.11ax HE20_ANT-0

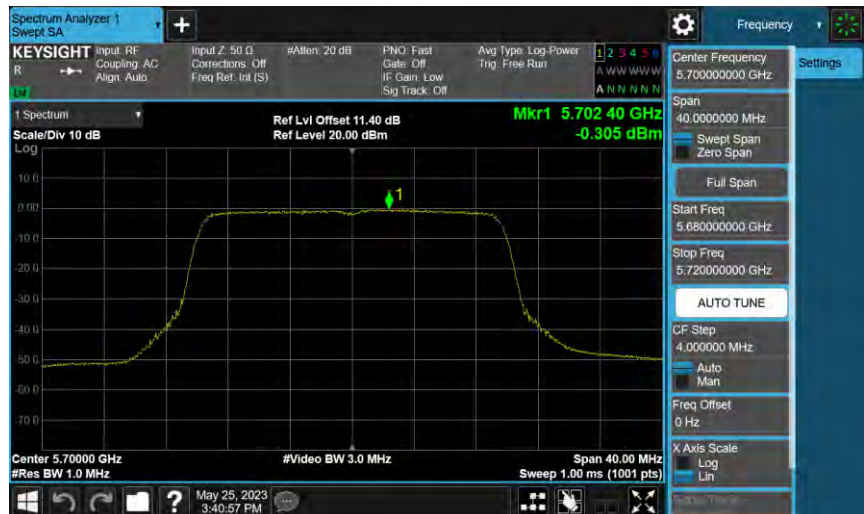
5500 MHz

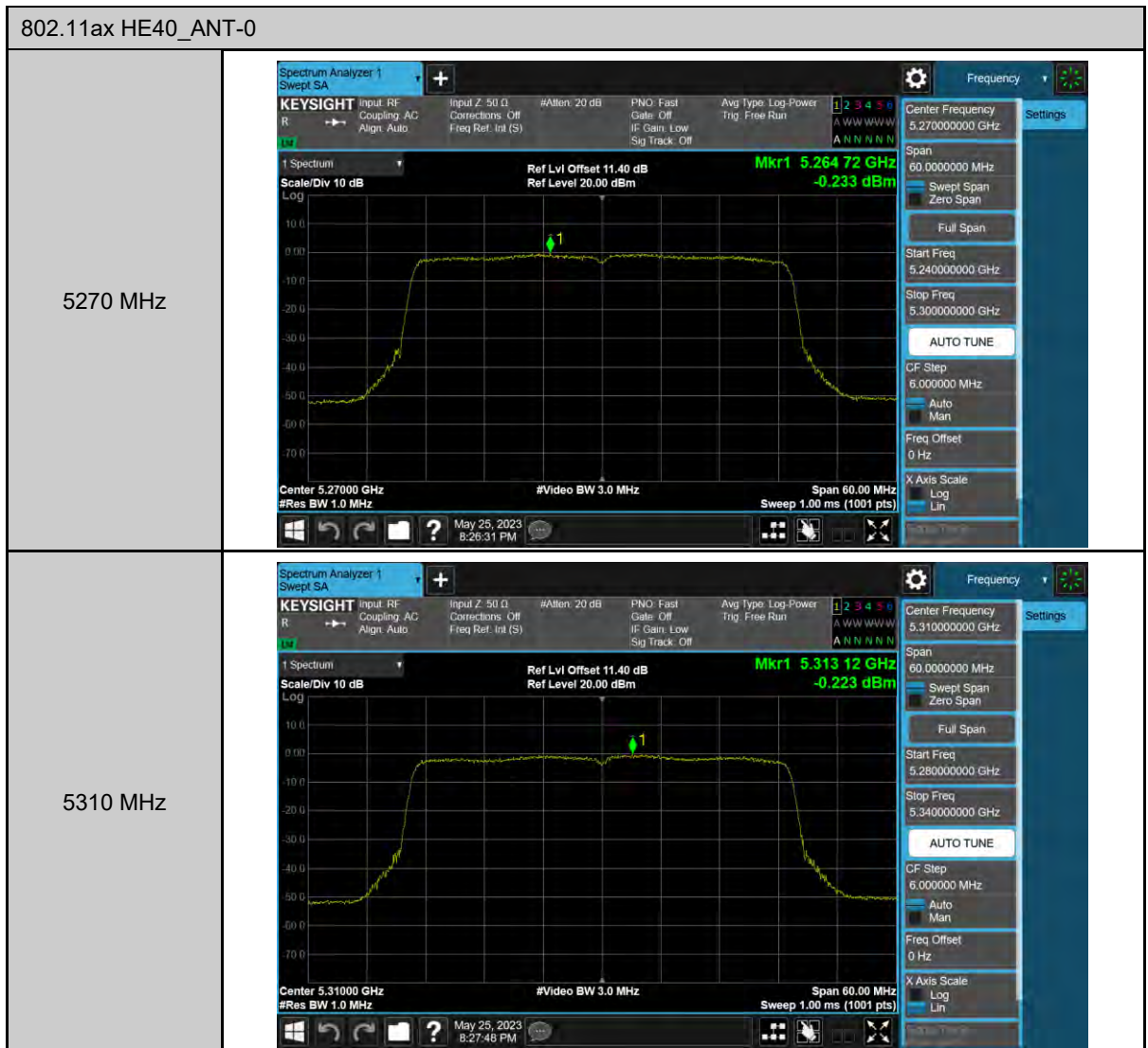


5560 MHz



5700 MHz





802.11ax HE40_ANT-0

5510 MHz



5550 MHz



5670 MHz



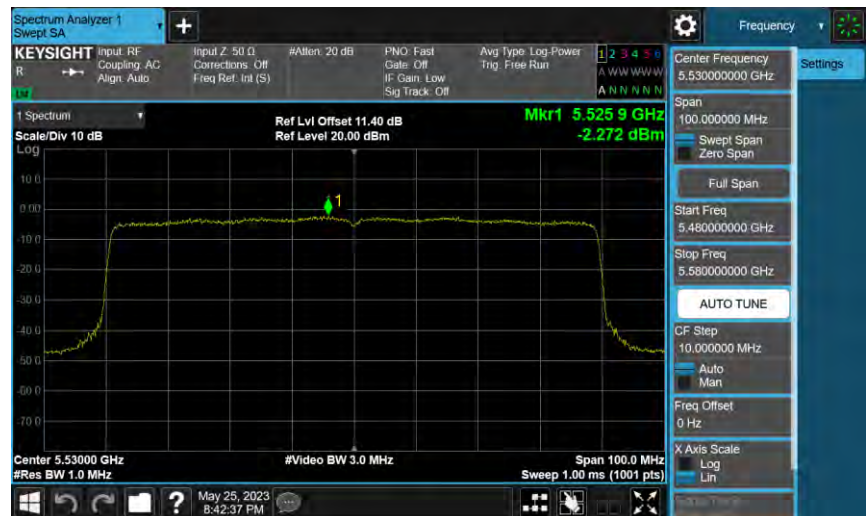
802.11ax HE80_ANT-0

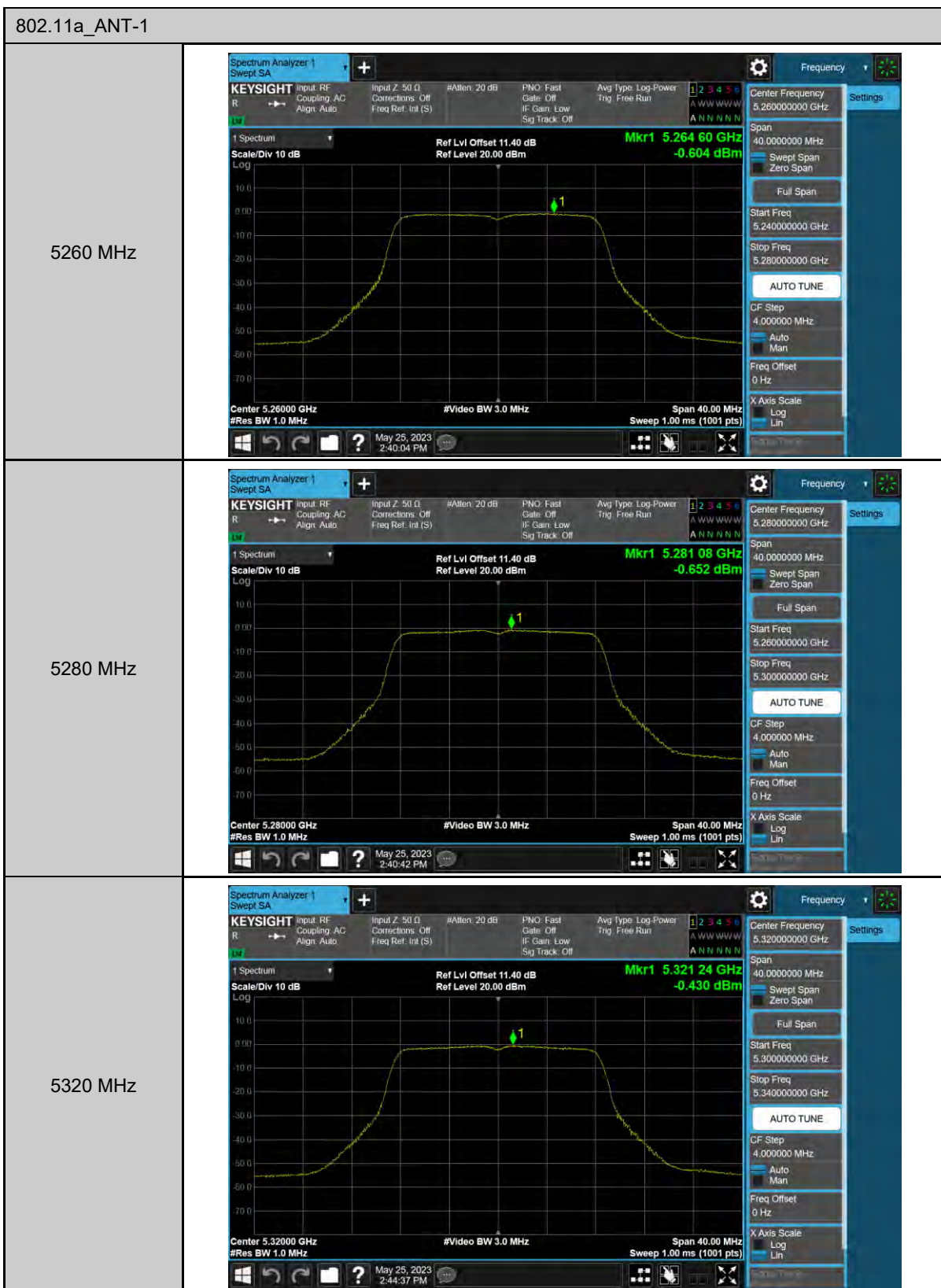
5290 MHz

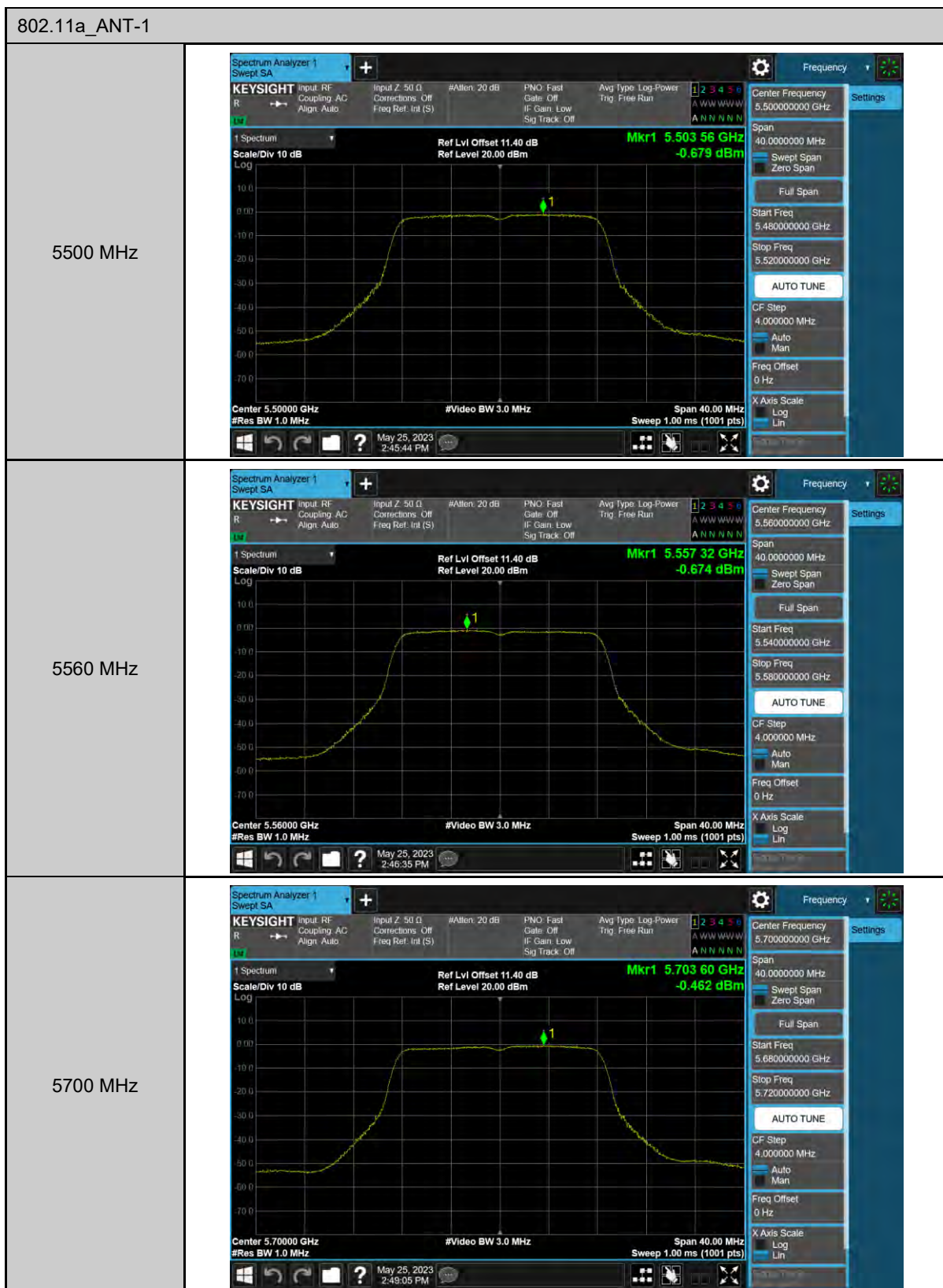


802.11ax HE80_ANT-0

5530 MHz

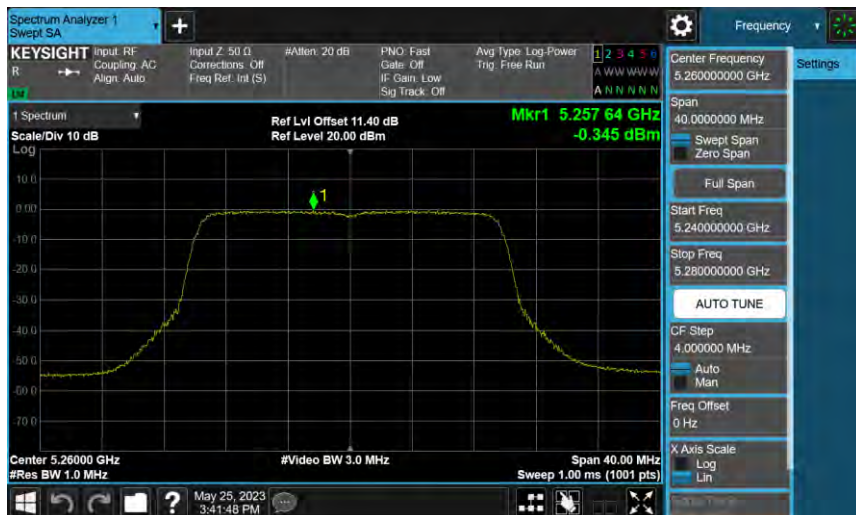






802.11ax HE20_ANT-1

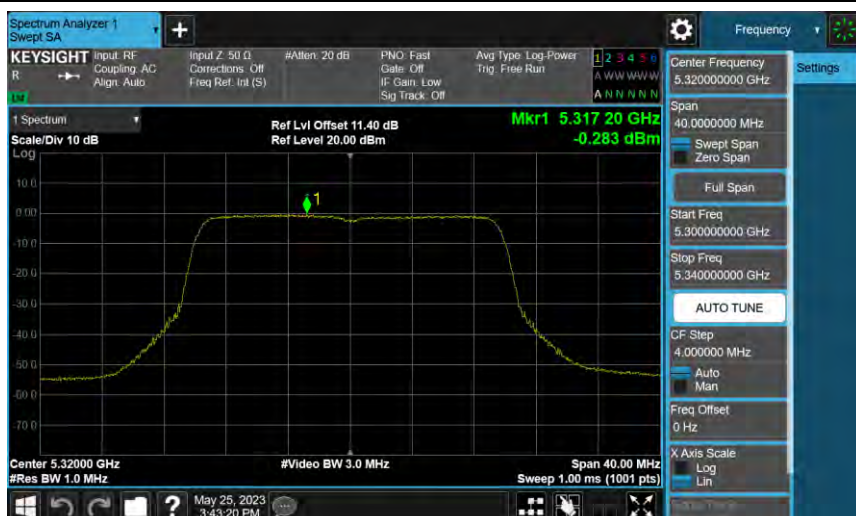
5260 MHz



5280 MHz



5320 MHz

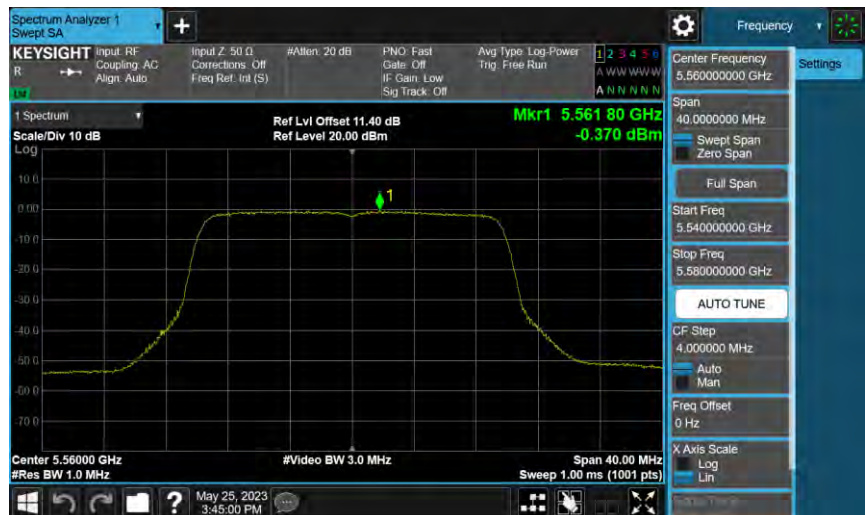


802.11ax HE20_ANT-1

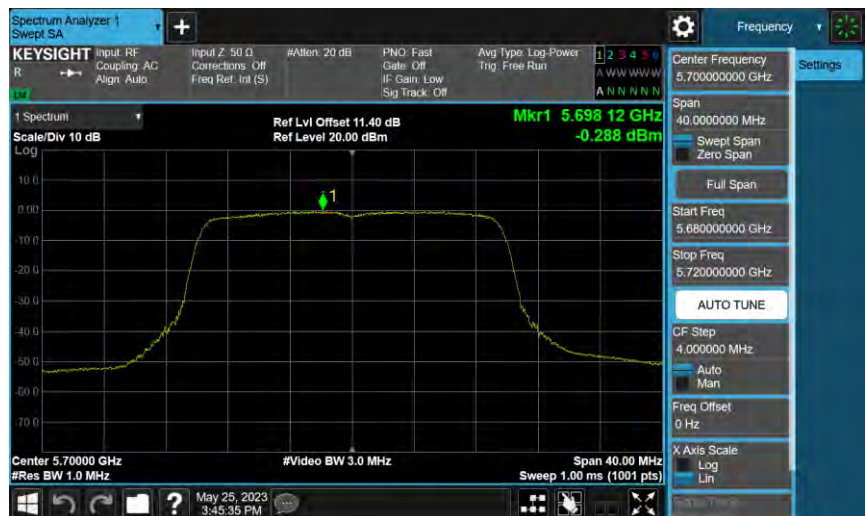
5500 MHz



5560 MHz



5700 MHz



802.11ax HE40_ANT-1

5270 MHz



5310 MHz



802.11ax HE40_ANT-1

5510 MHz



5550 MHz



5670 MHz



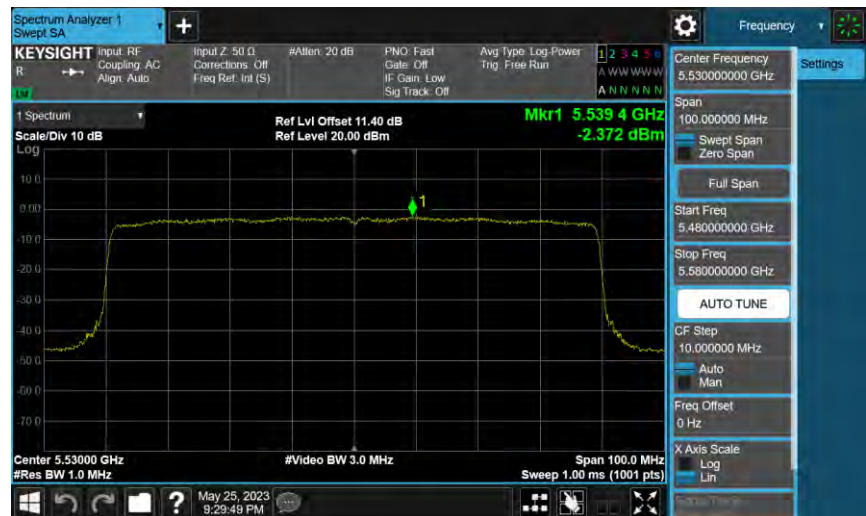
802.11ax HE80_ANT-1

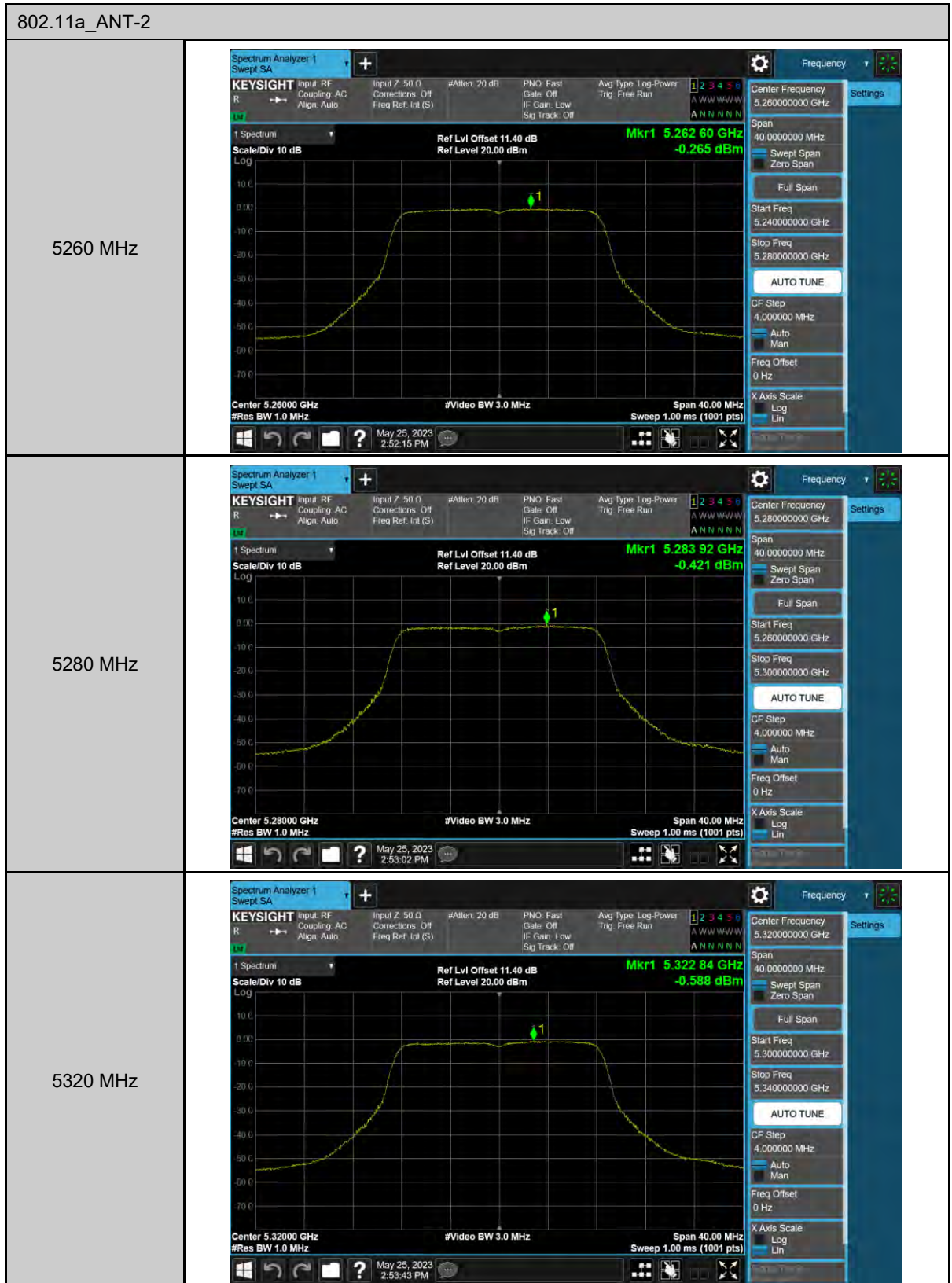
5290 MHz

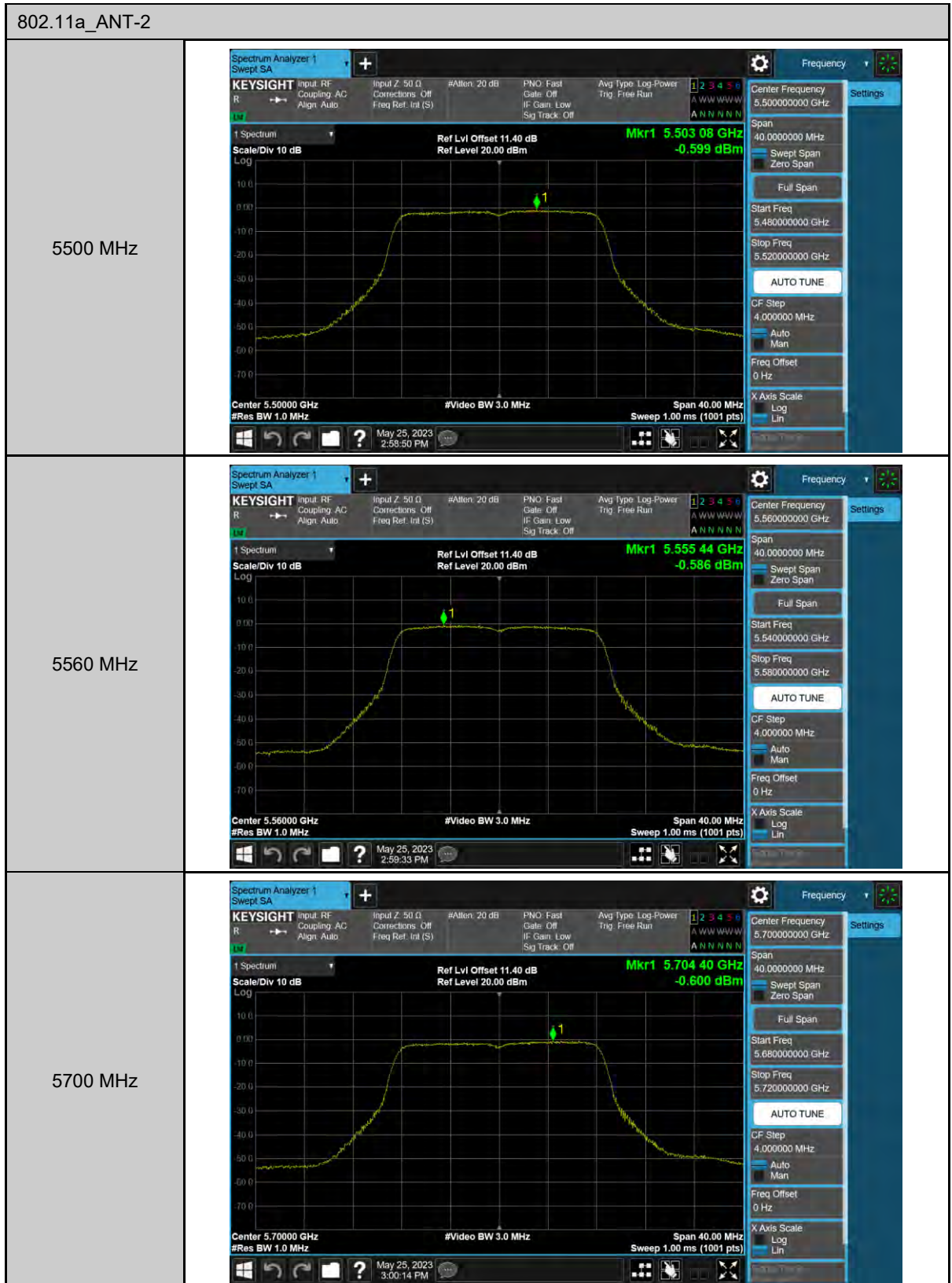


802.11ax HE80_ANT-1

5530 MHz







802.11ax HE20_ANT-2

5260 MHz



5280 MHz



5320 MHz



802.11ax HE20_ANT-2

5500 MHz

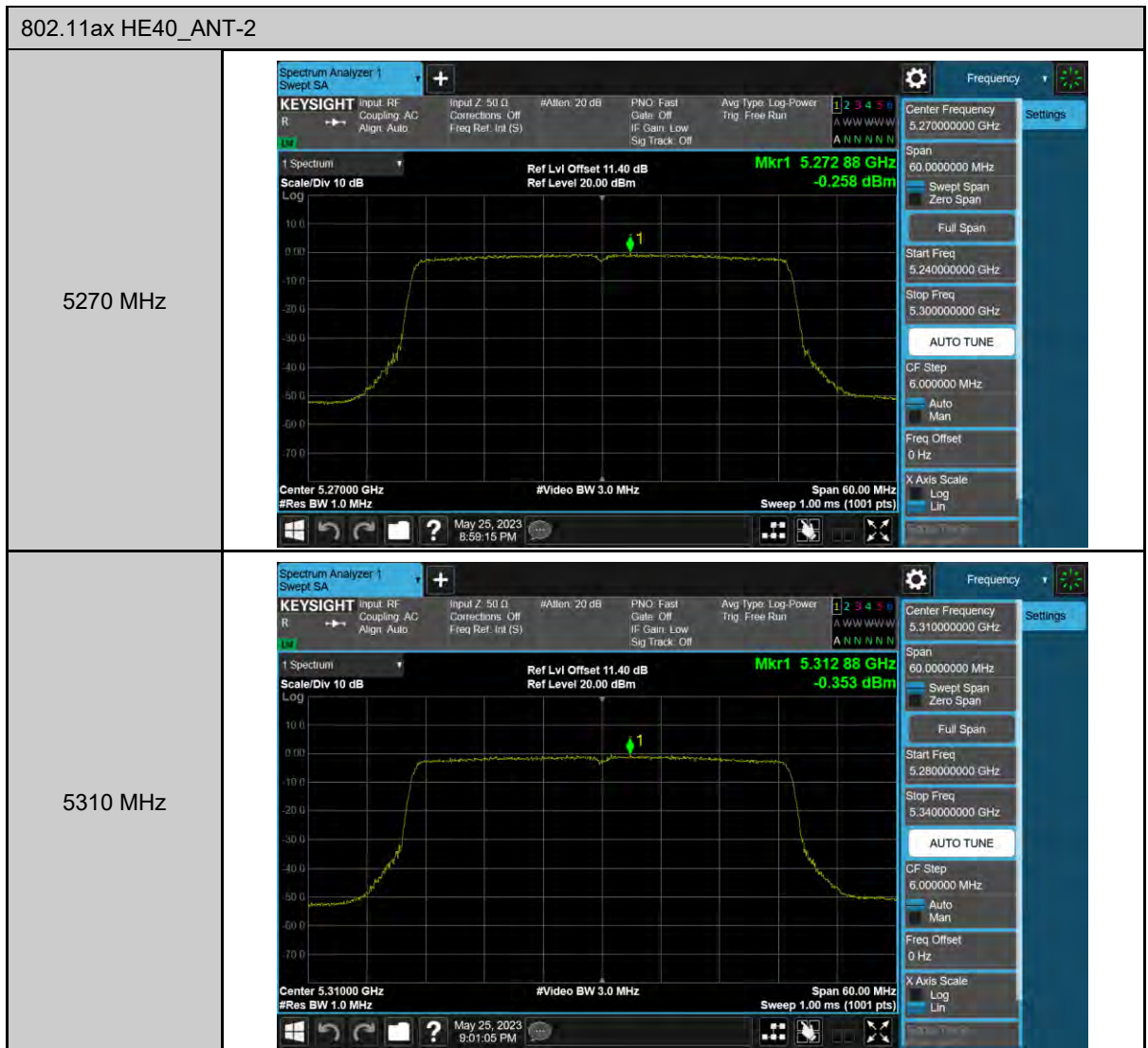


5560 MHz



5700 MHz





802.11ax HE40_ANT-2

5510 MHz



5550 MHz



5670 MHz



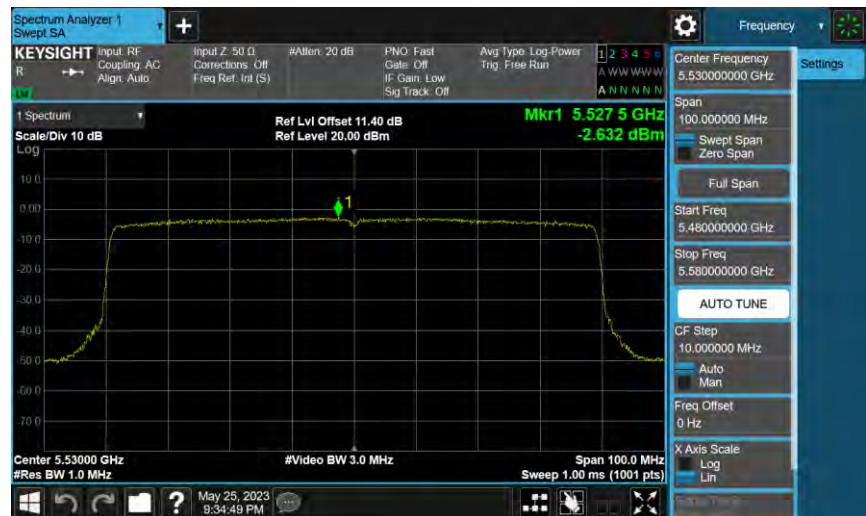
802.11ax HE80_ANT-2

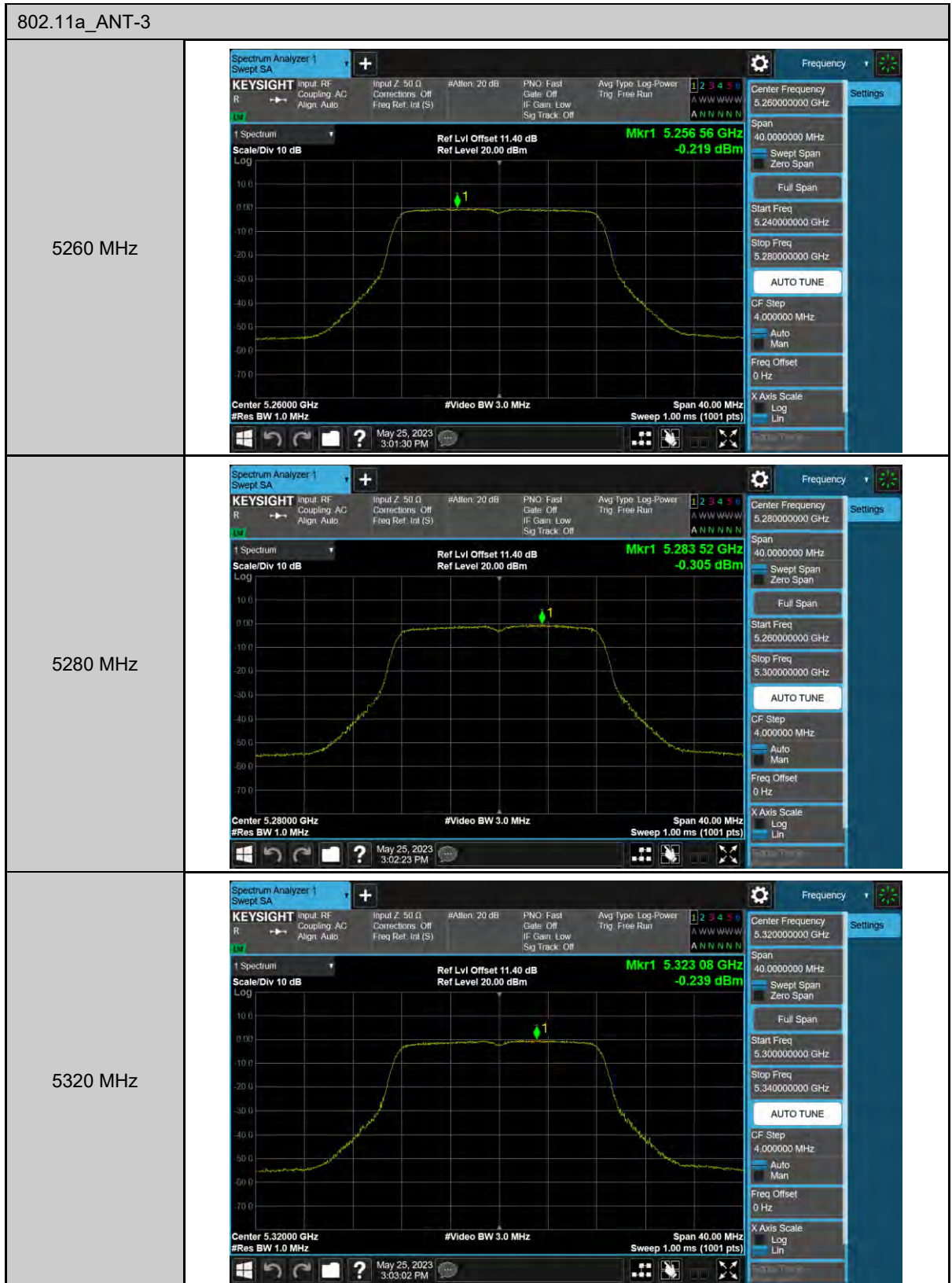
5290 MHz



802.11ax HE80_ANT-2

5530 MHz





802.11a_ANT-3

5500 MHz



5560 MHz

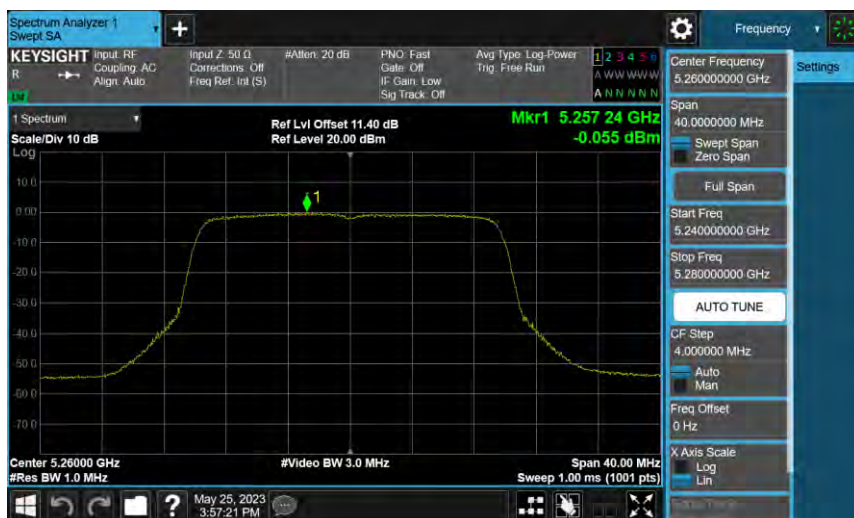


5700 MHz

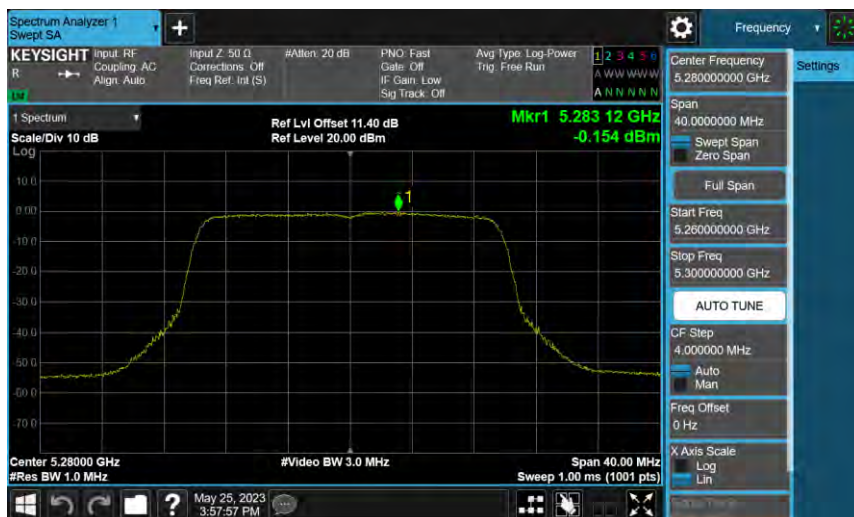


802.11ax HE20_ANT-3

5260 MHz



5280 MHz



5320 MHz



802.11ax HE20_ANT-3

5500 MHz



5560 MHz



5700 MHz



802.11ax HE40_ANT-3

5270 MHz



5310 MHz



802.11ax HE40_ANT-3

5510 MHz



5550 MHz



5670 MHz



802.11ax HE80_ANT-3

5290 MHz

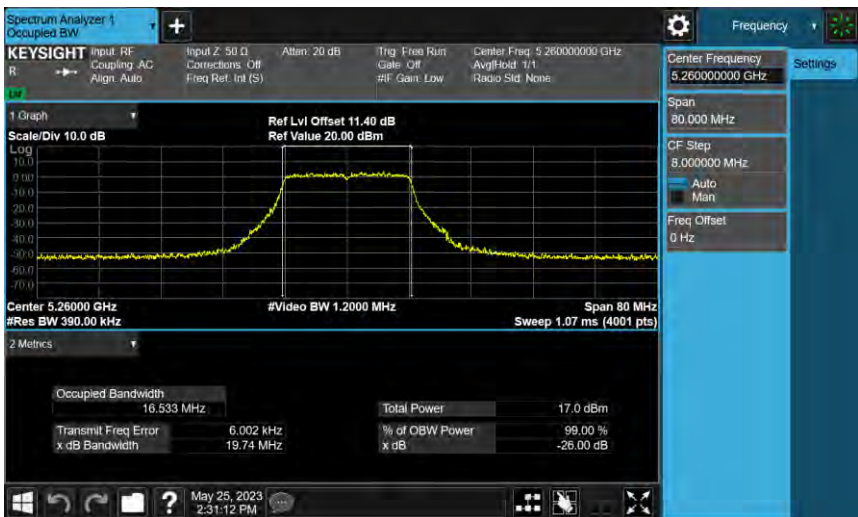
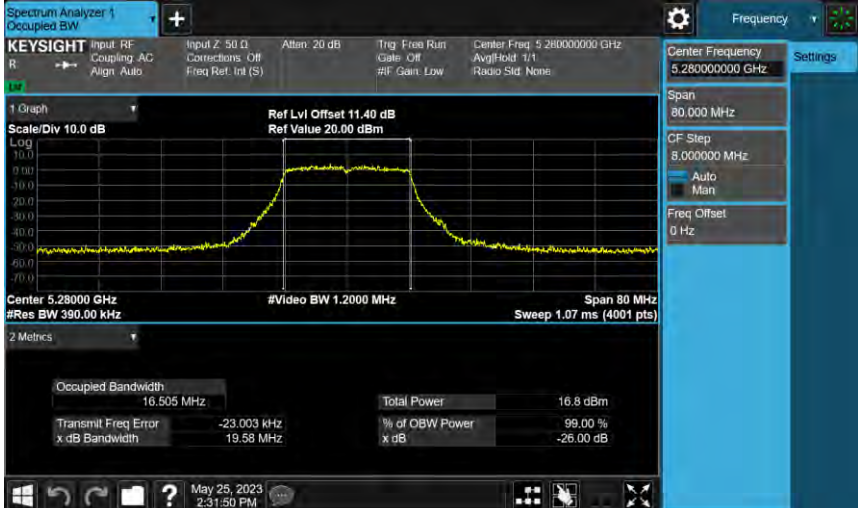
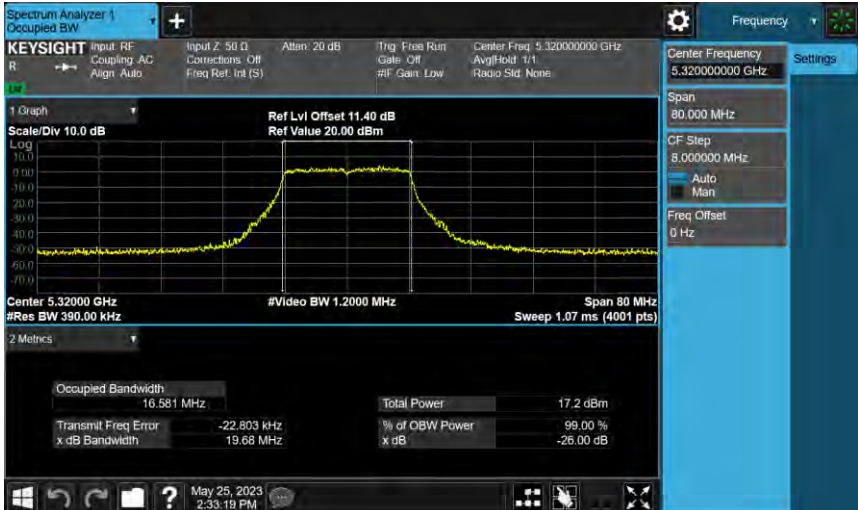


802.11ax HE80_ANT-3

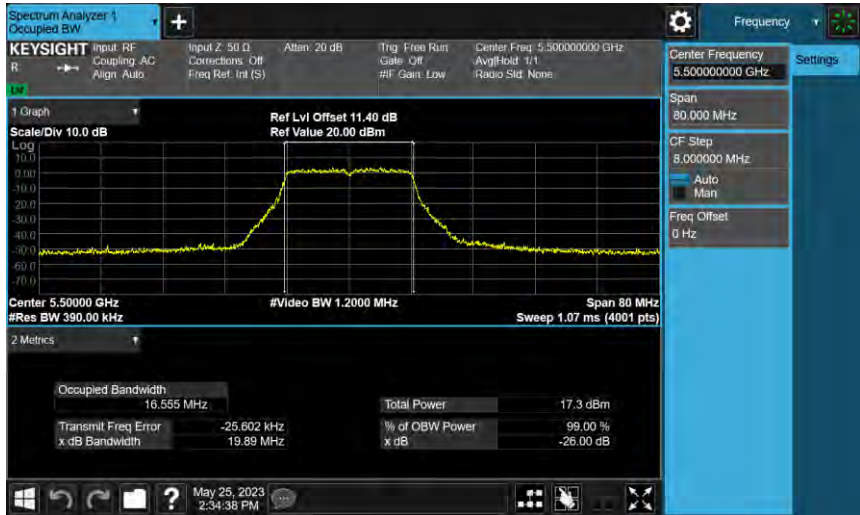
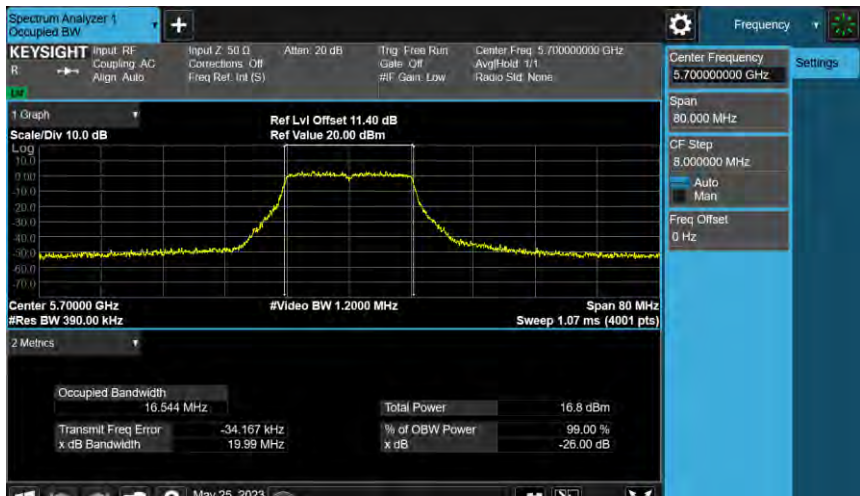
5530 MHz



26 dB Bandwidth&99% Occupied Bandwidth

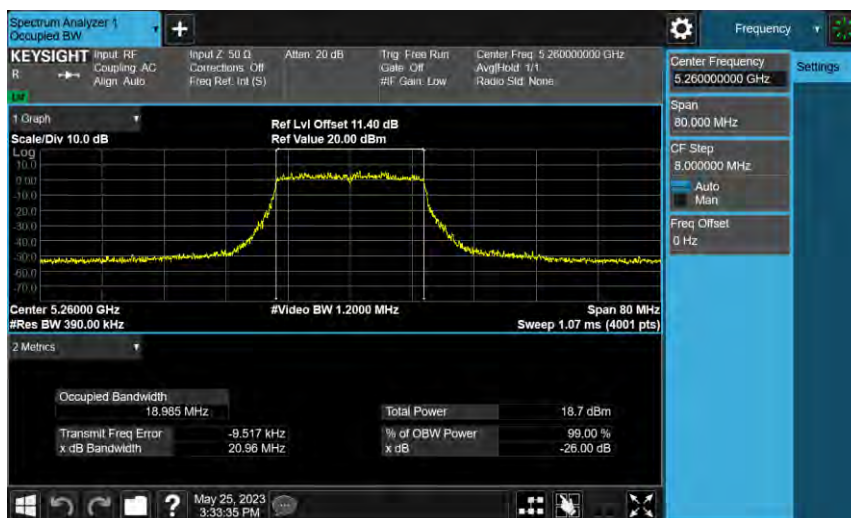
802.11a_ANT-0	 Center Frequency: 5.26000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 16.533 MHz Total Power: 17.0 dBm Transmit Freq Error: 6.002 kHz % of OBW Power: 99.00 % x dB Bandwidth: 19.74 MHz x dB: -26.00 dB
5280 MHz	 Center Frequency: 5.28000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 16.505 MHz Total Power: 16.8 dBm Transmit Freq Error: -23.003 kHz % of OBW Power: 99.00 % x dB Bandwidth: 19.58 MHz x dB: -26.00 dB
5320 MHz	 Center Frequency: 5.32000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 16.581 MHz Total Power: 17.2 dBm Transmit Freq Error: -22.803 kHz % of OBW Power: 99.00 % x dB Bandwidth: 19.68 MHz x dB: -26.00 dB

802.11a_ANT-0

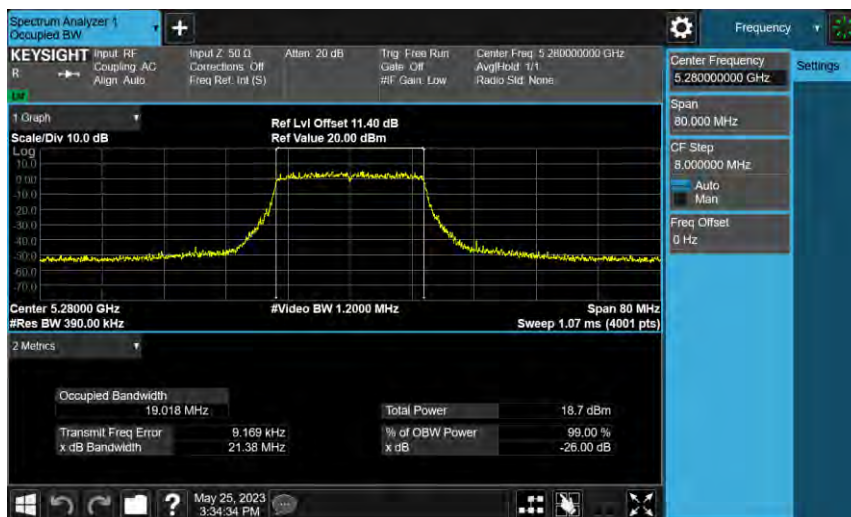
5500 MHz	
5560 MHz	
5700 MHz	

802.11ax HE20_ANT-0

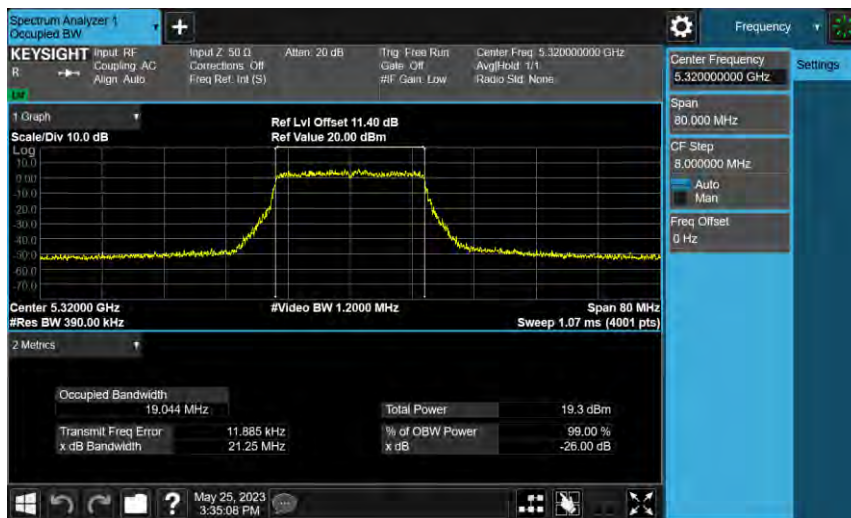
5260 MHz



5280 MHz

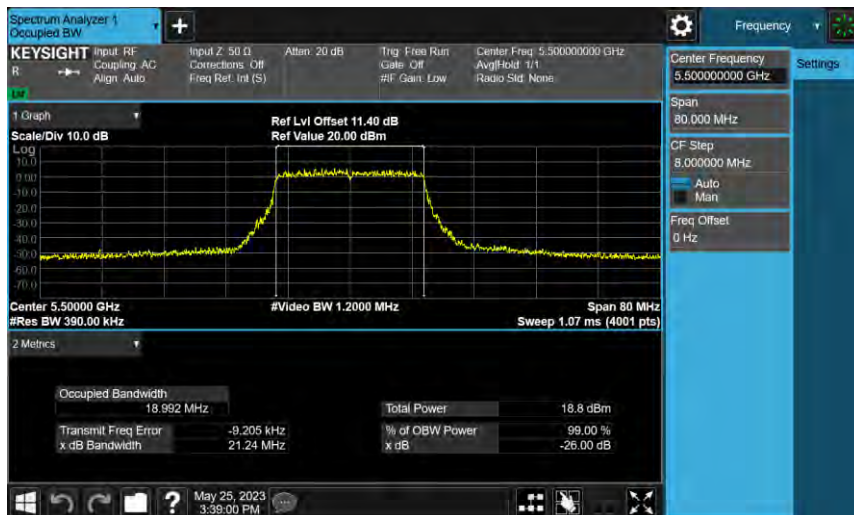


5320 MHz

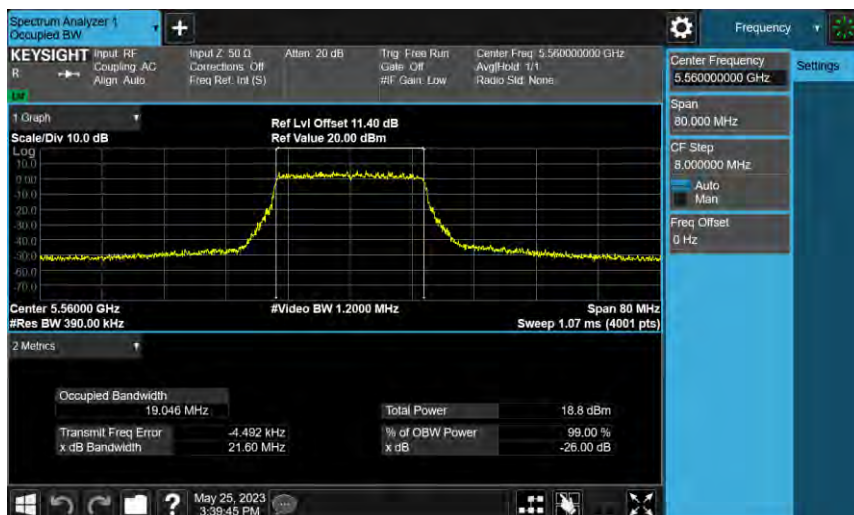


802.11ax HE20_ANT-0

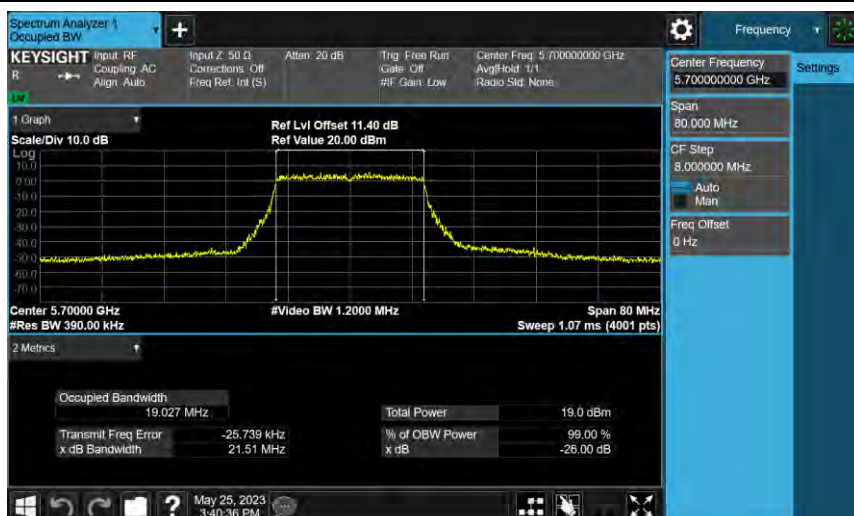
5500 MHz

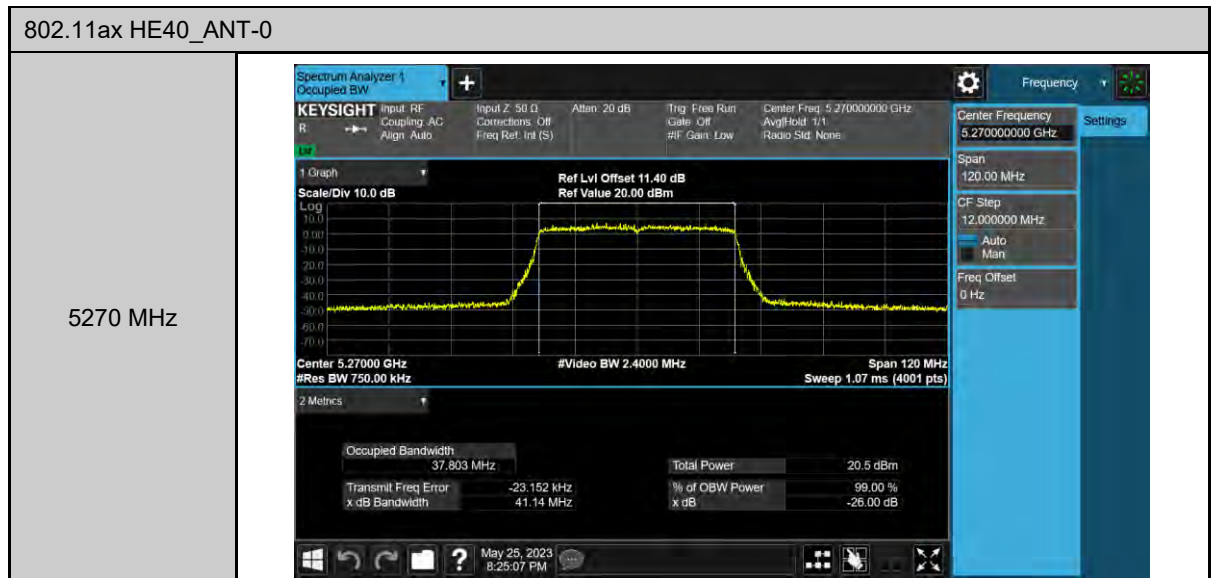


5560 MHz



5700 MHz





802.11ax HE40_ANT-0

5310 MHz

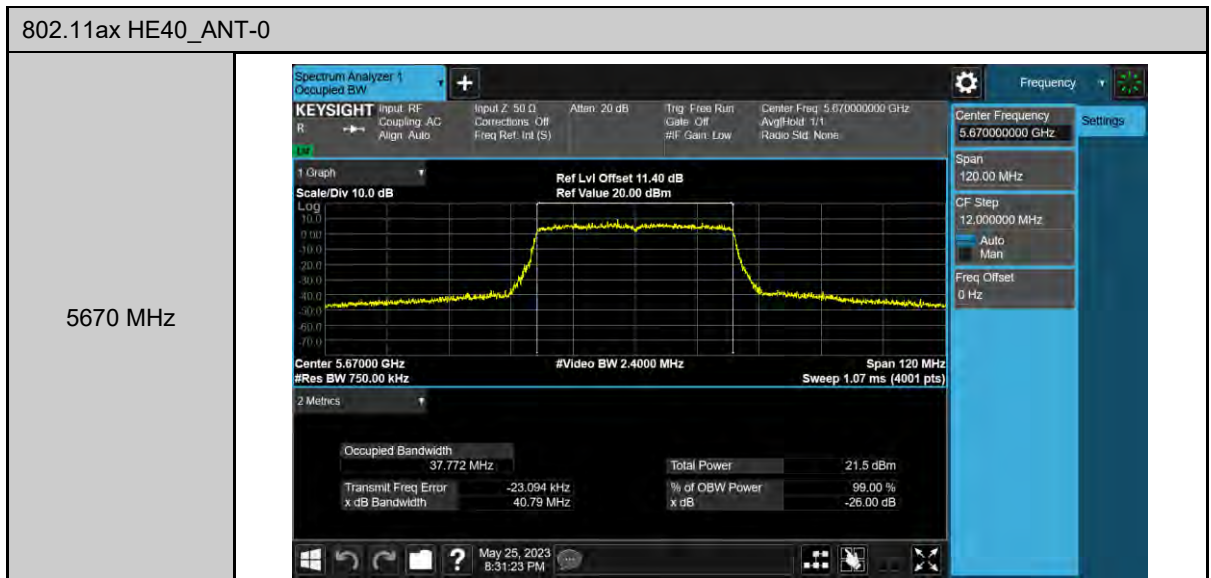


5510 MHz



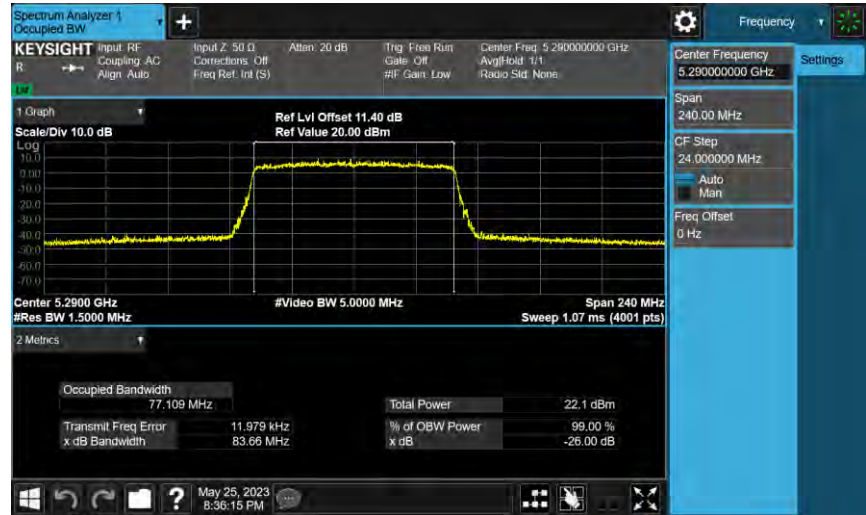
5550 MHz





802.11ax HE80_ANT-0

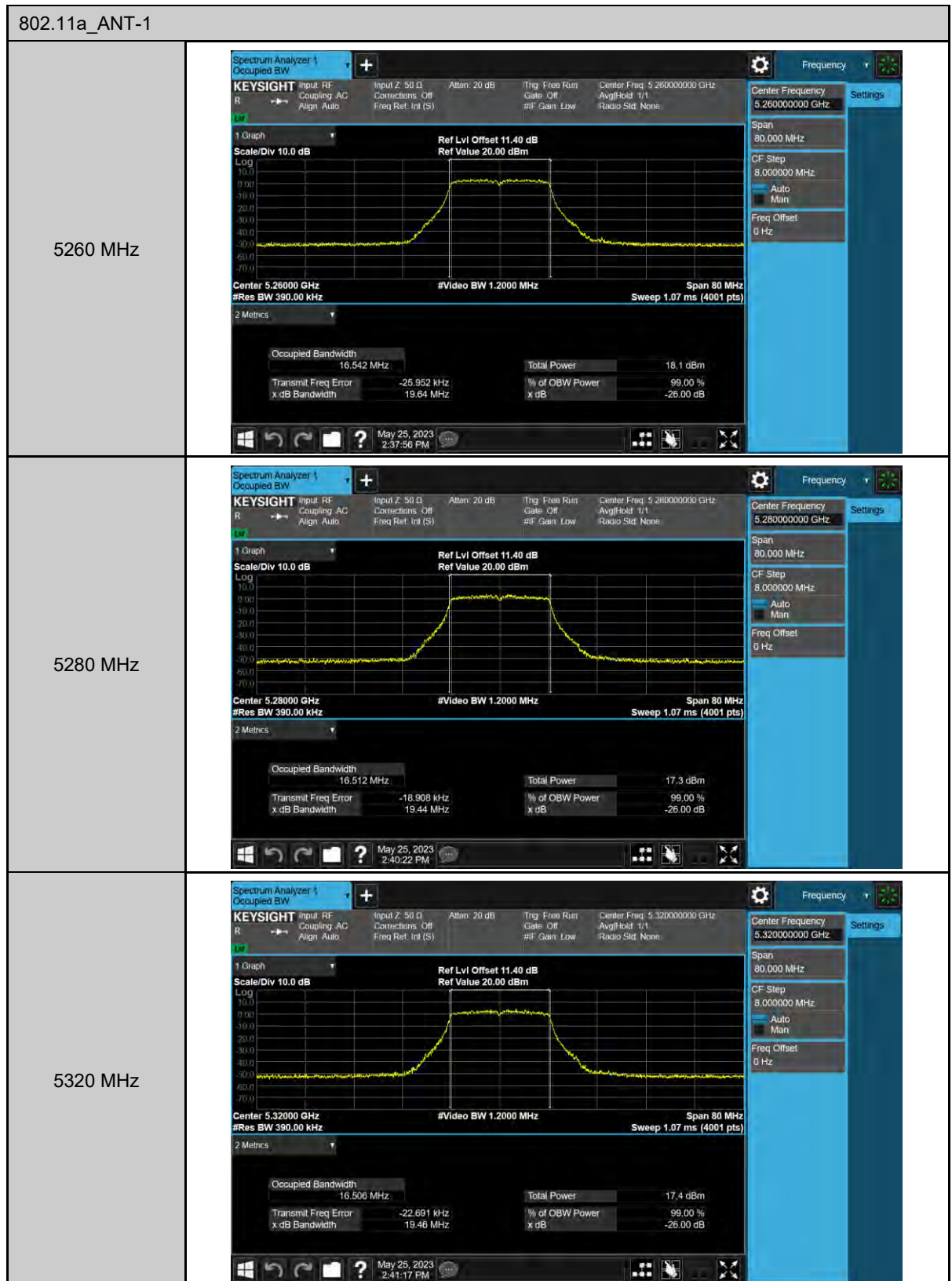
5290 MHz

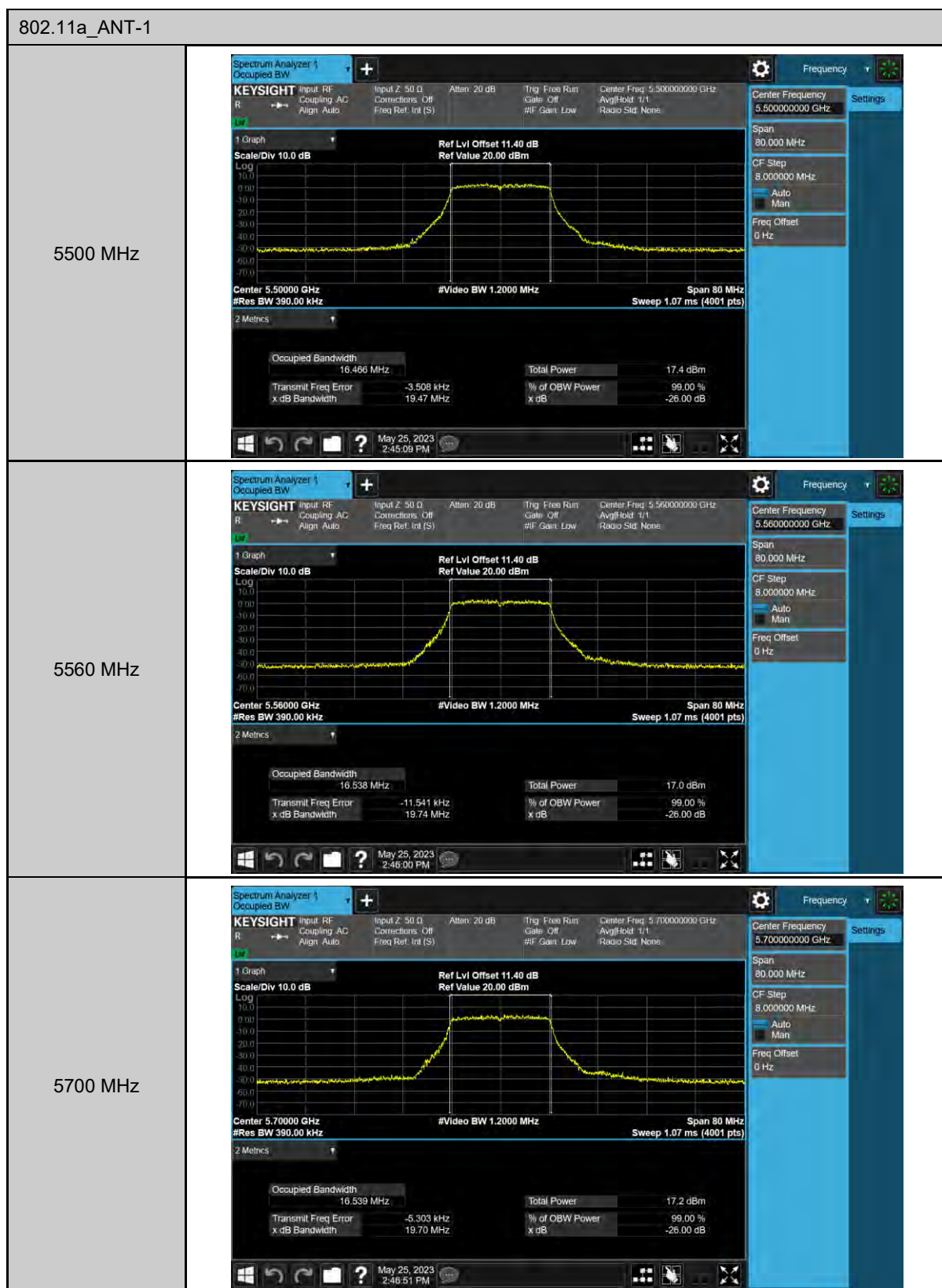


802.11ax HE80_ANT-0

5530 MHz

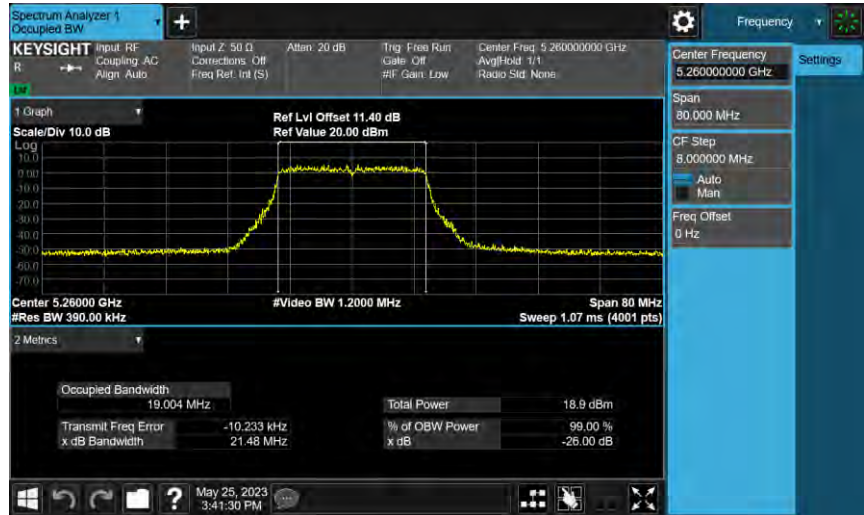






802.11ax HE20_ANT-1

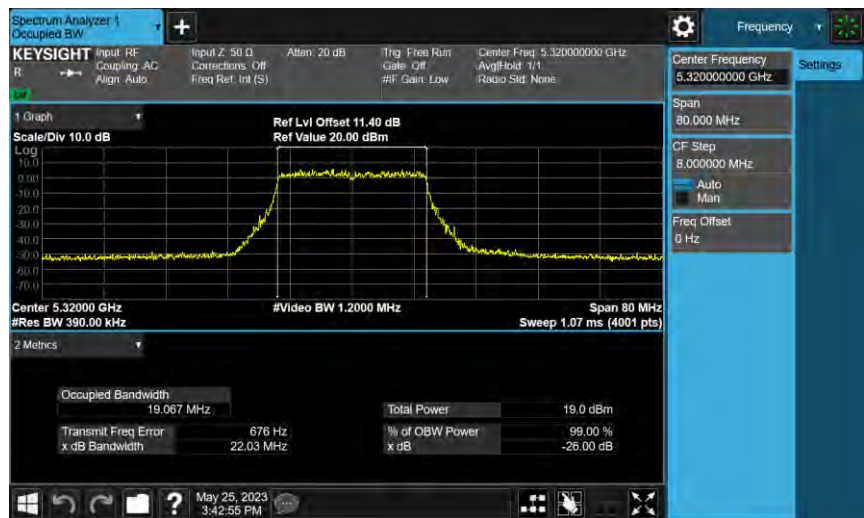
5260 MHz



5280 MHz

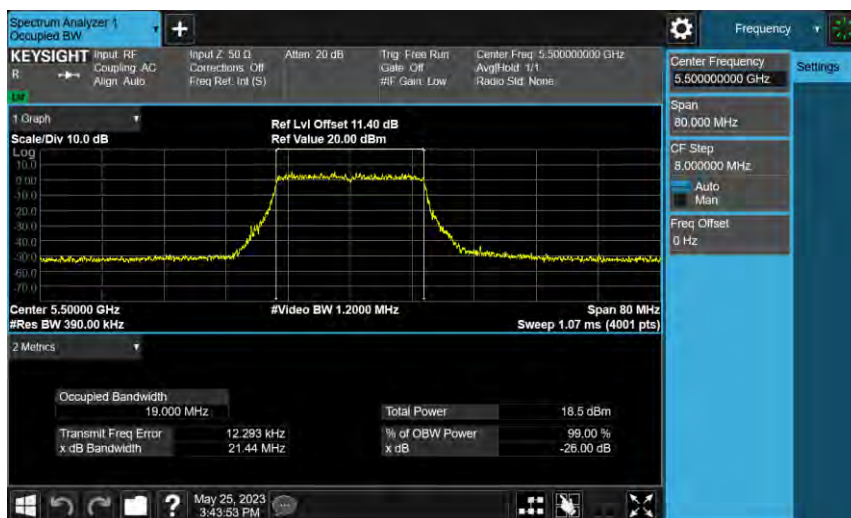


5320 MHz

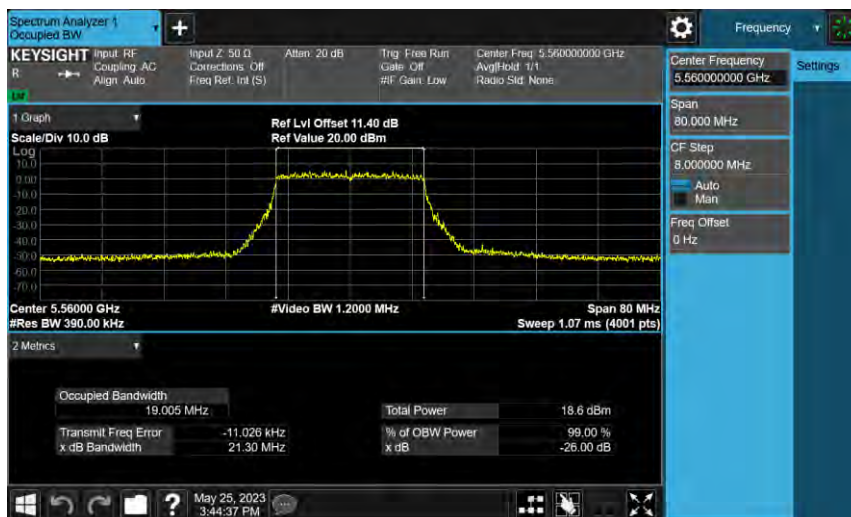


802.11ax HE20_ANT-1

5500 MHz

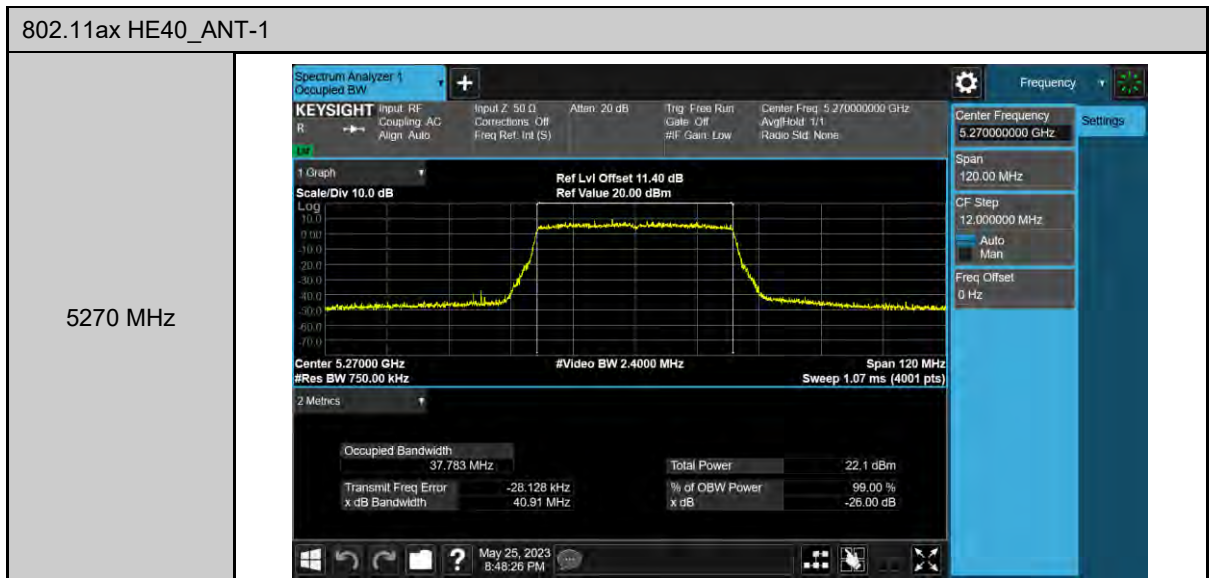


5560 MHz



5700 MHz





802.11ax HE40_ANT-1

5310 MHz

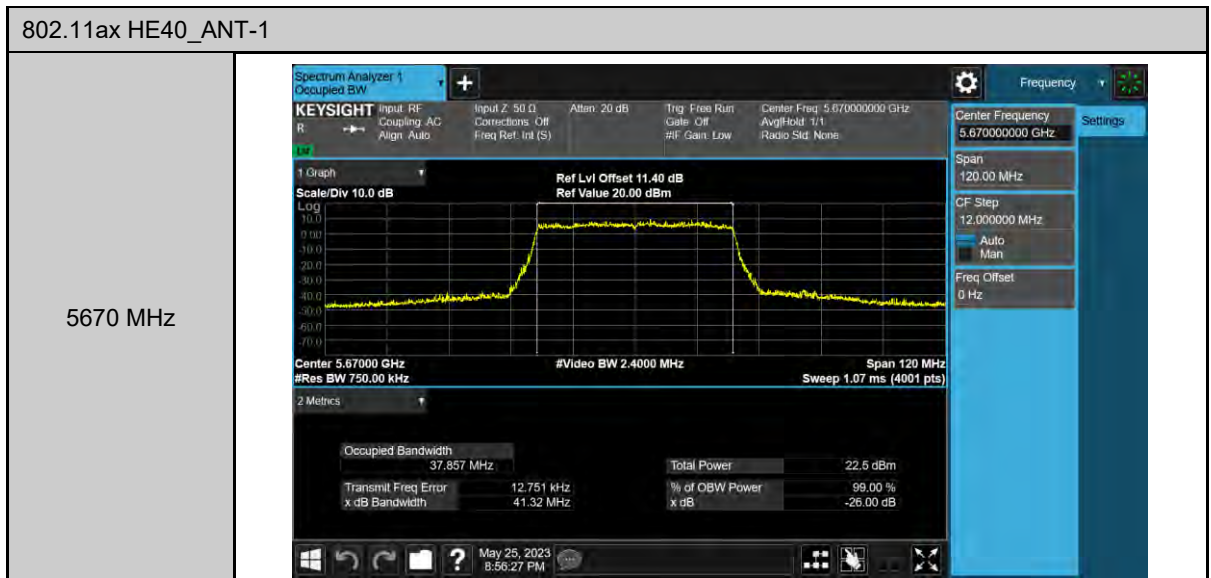


5510 MHz



5550 MHz





802.11ax HE80_ANT-1

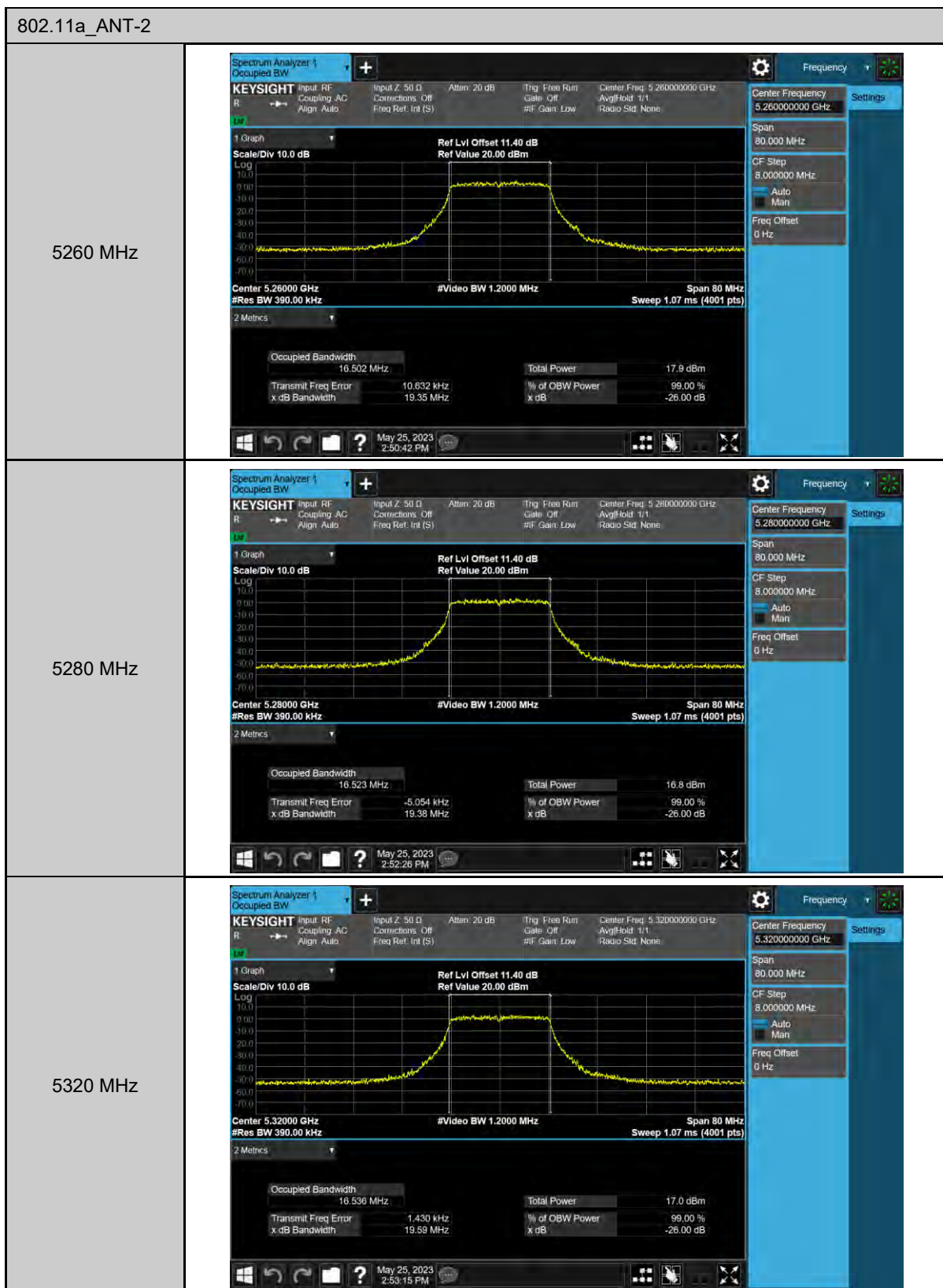
5290 MHz



802.11ax HE80_ANT-1

5530 MHz





802.11a_ANT-2

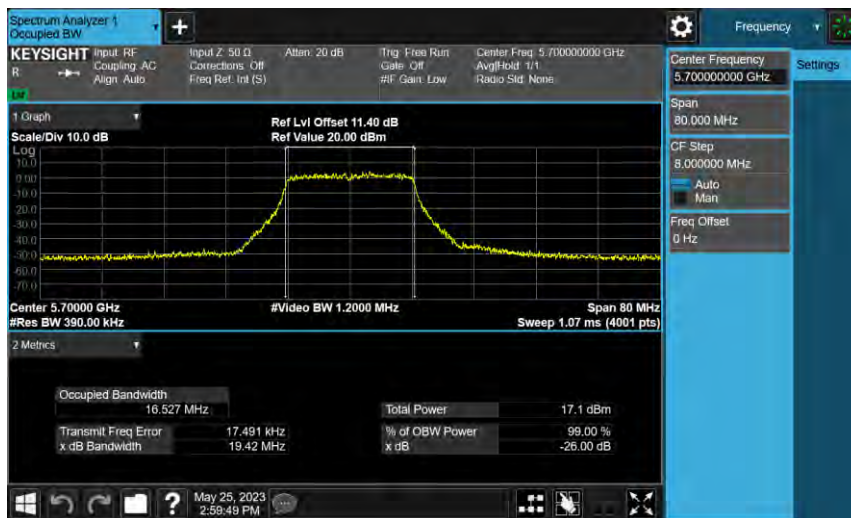
5500 MHz



5560 MHz



5700 MHz

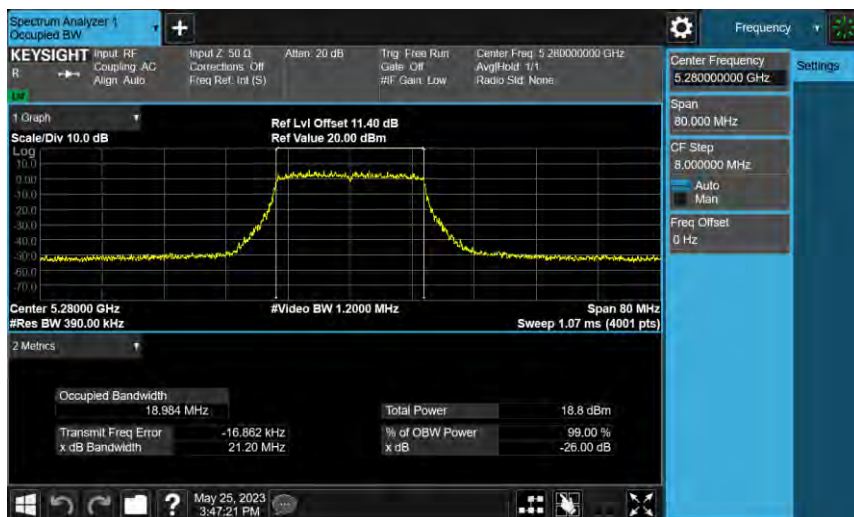


802.11ax HE20_ANT-2

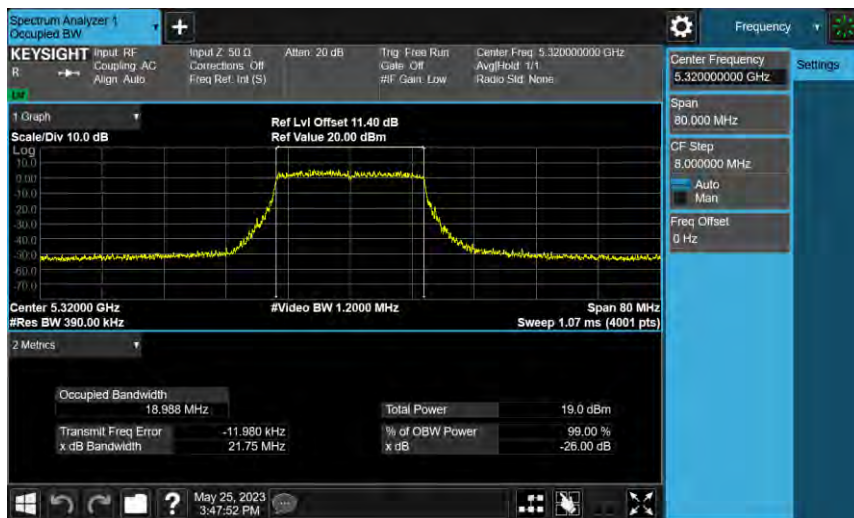
5260 MHz



5280 MHz

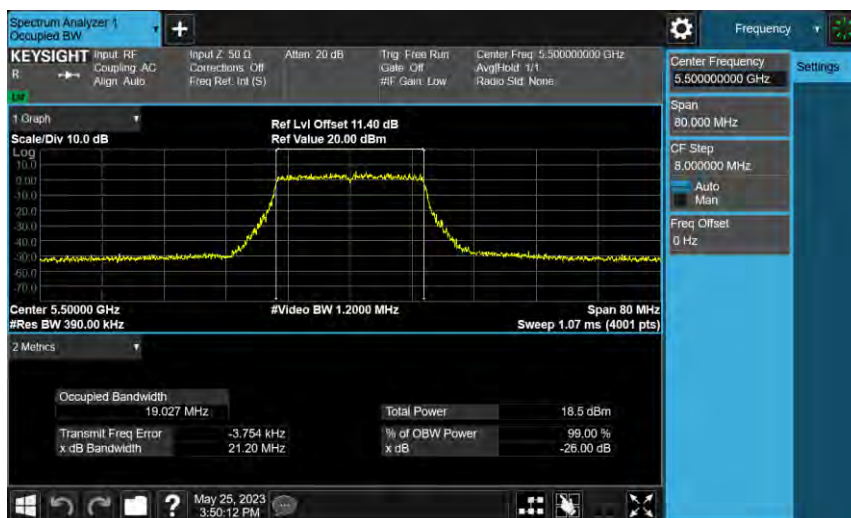


5320 MHz

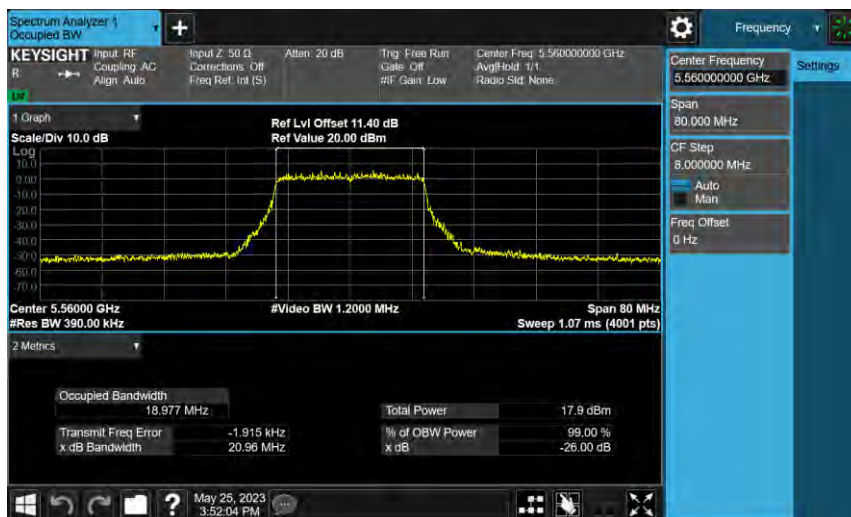


802.11ax HE20_ANT-2

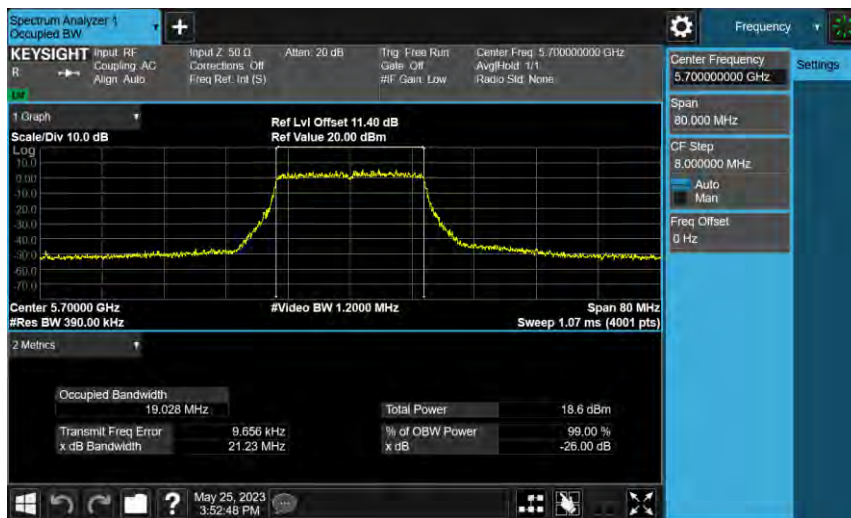
5500 MHz

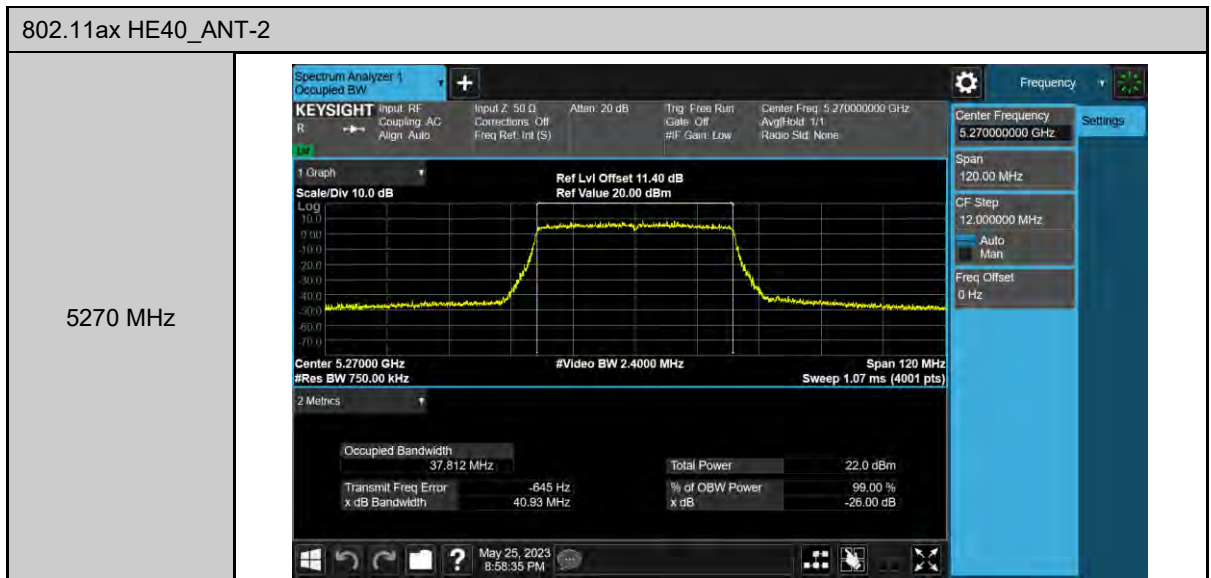


5560 MHz



5700 MHz





802.11ax HE40_ANT-2

5310 MHz

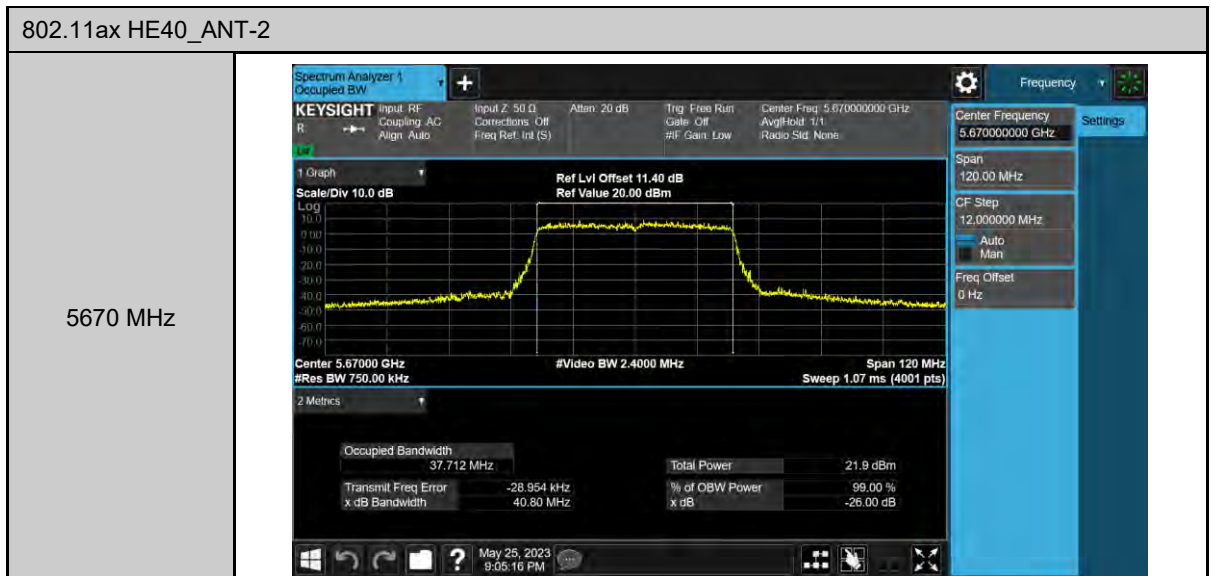


5510 MHz



5550 MHz





802.11ax HE80_ANT-2

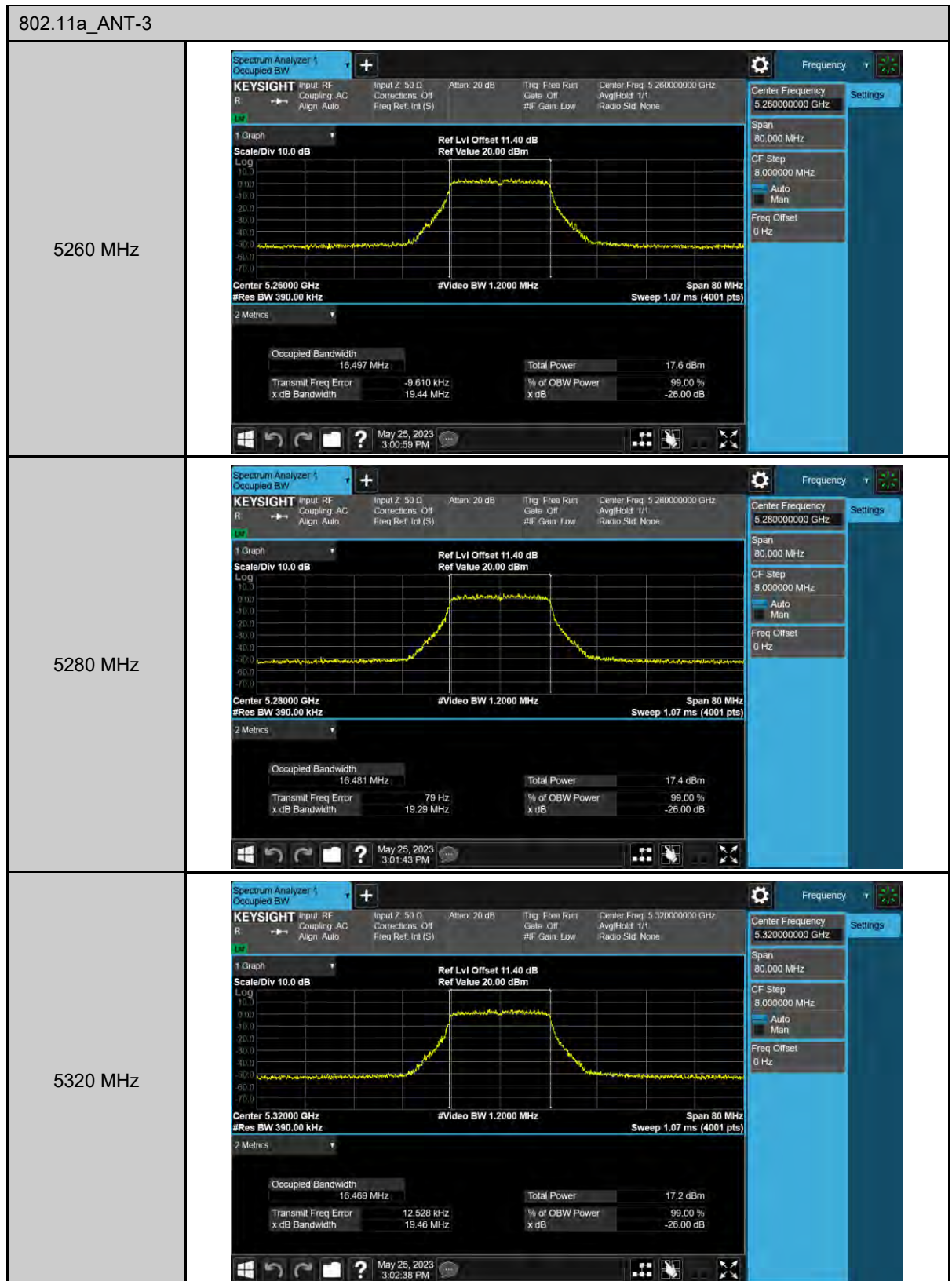
5290 MHz

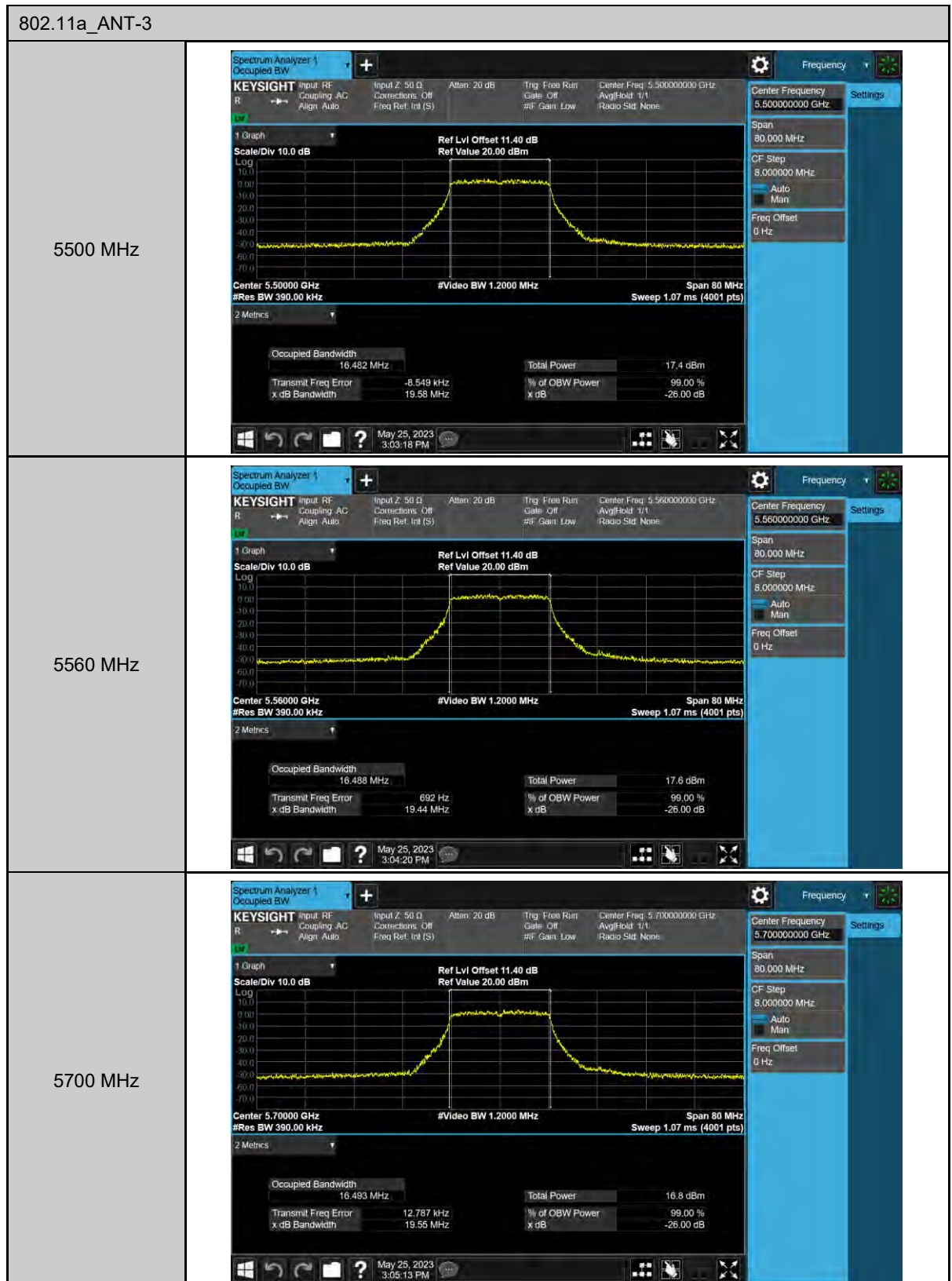


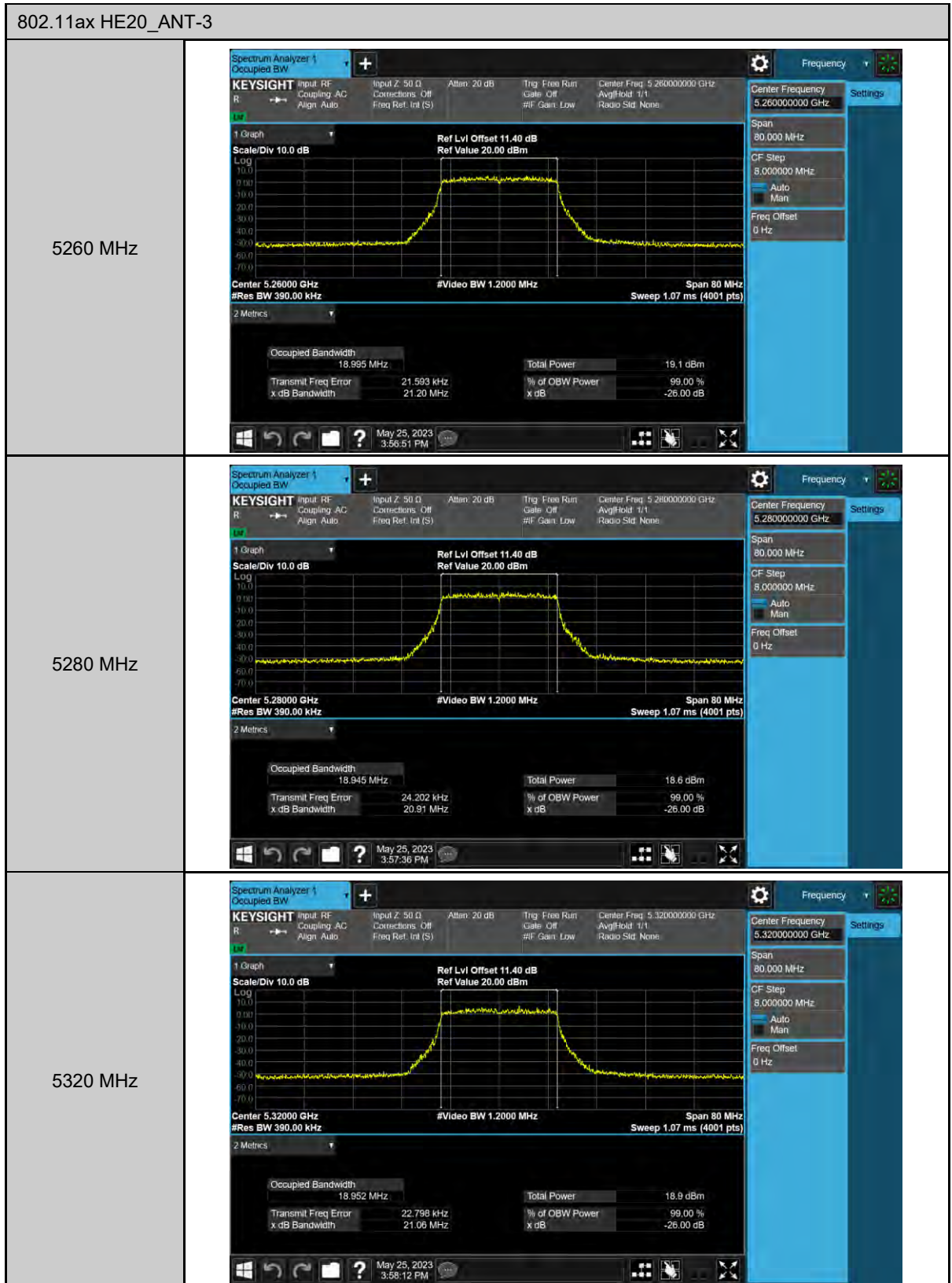
802.11ax HE80_ANT-2

5530 MHz



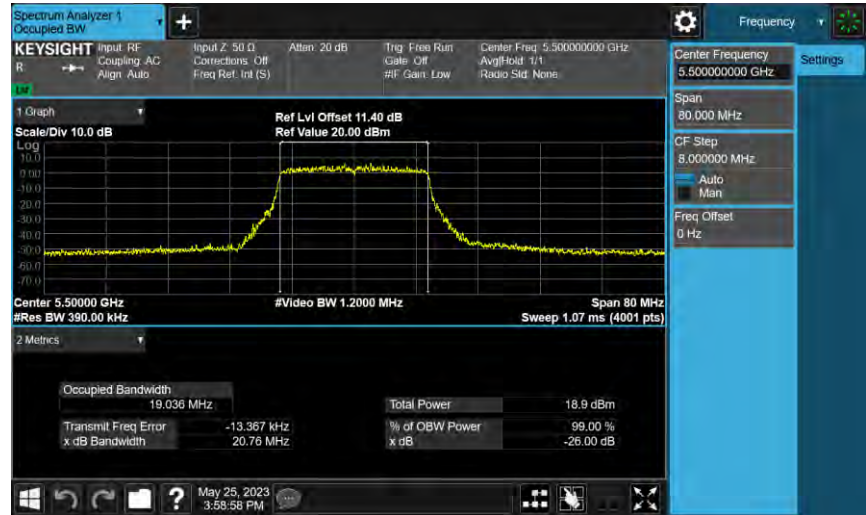




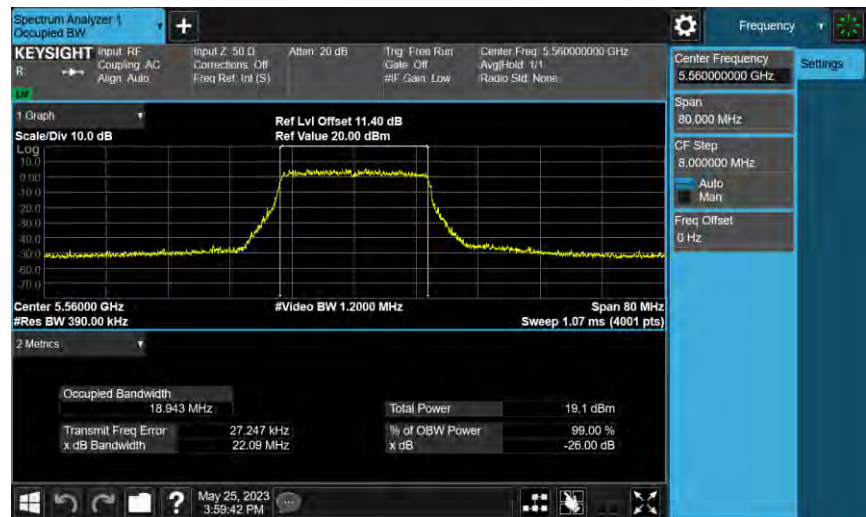


802.11ax HE20_ANT-3

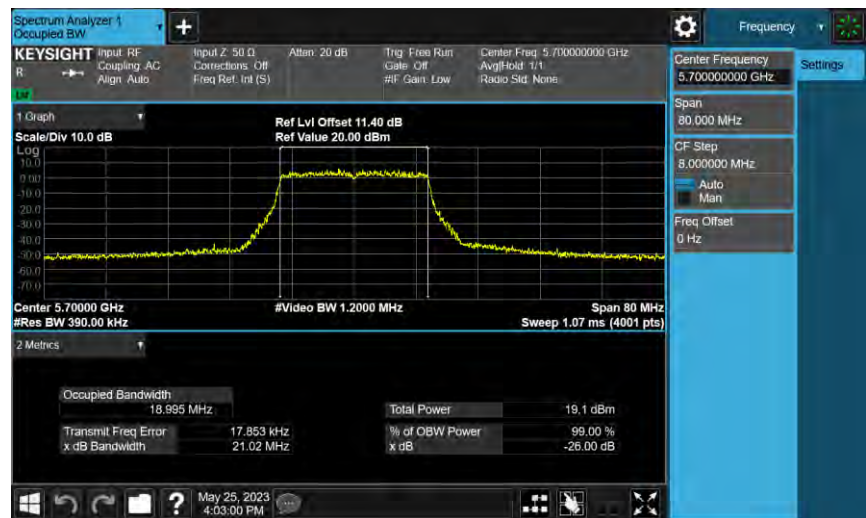
5500 MHz

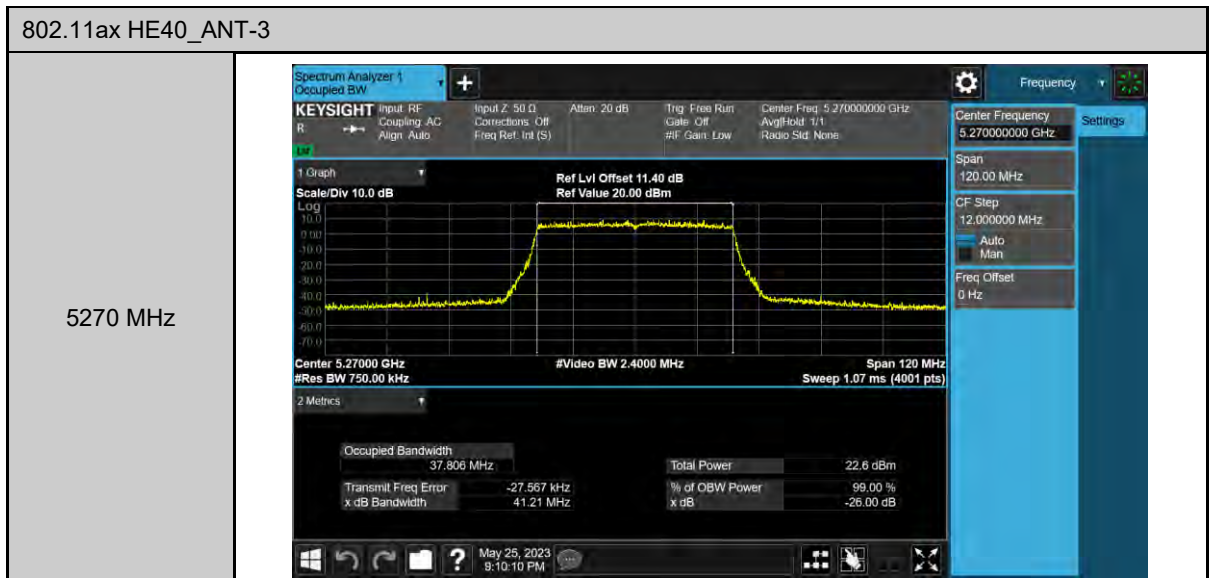


5560 MHz

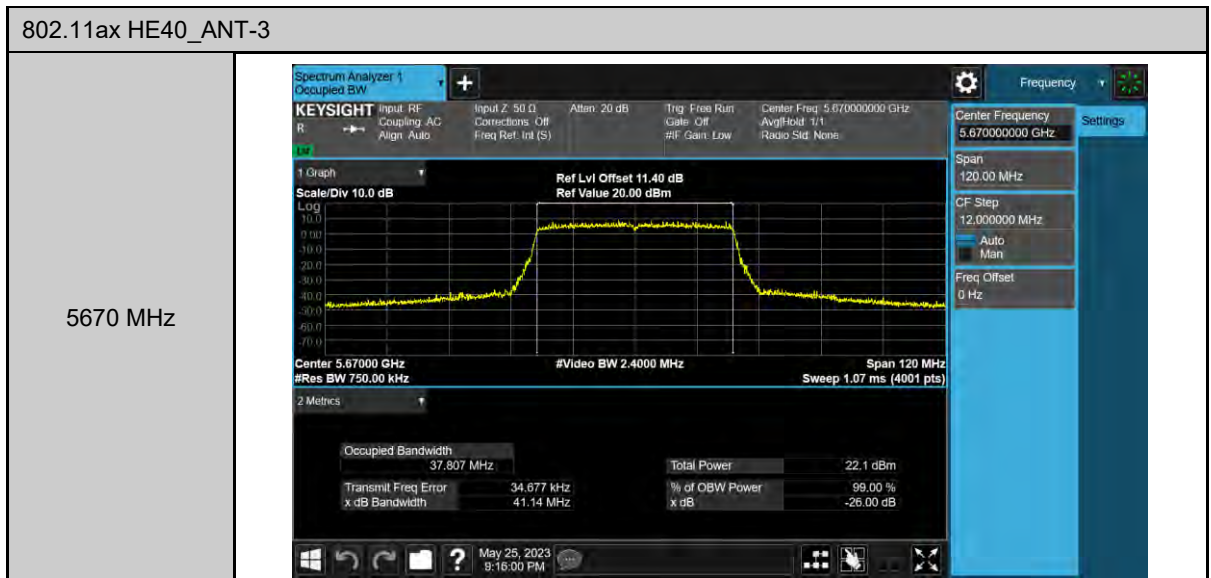


5700 MHz









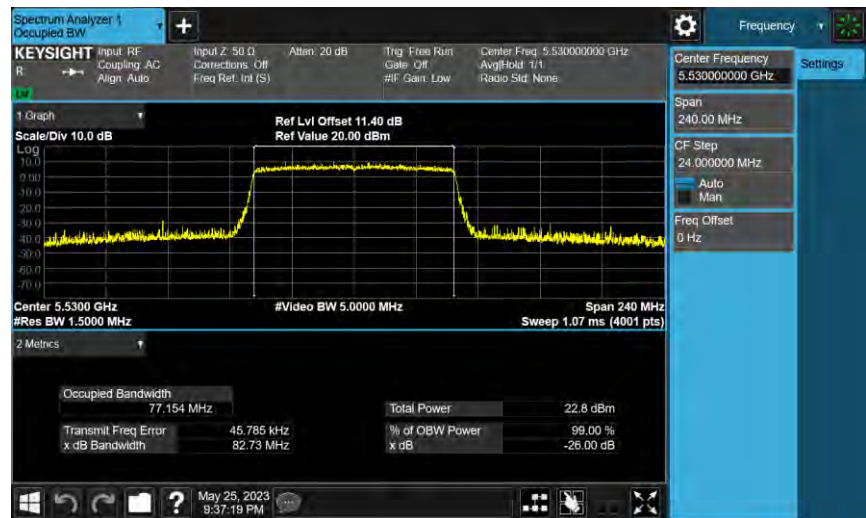
802.11ax HE80_ANT-3

5290 MHz



802.11ax HE80_ANT-3

5530 MHz

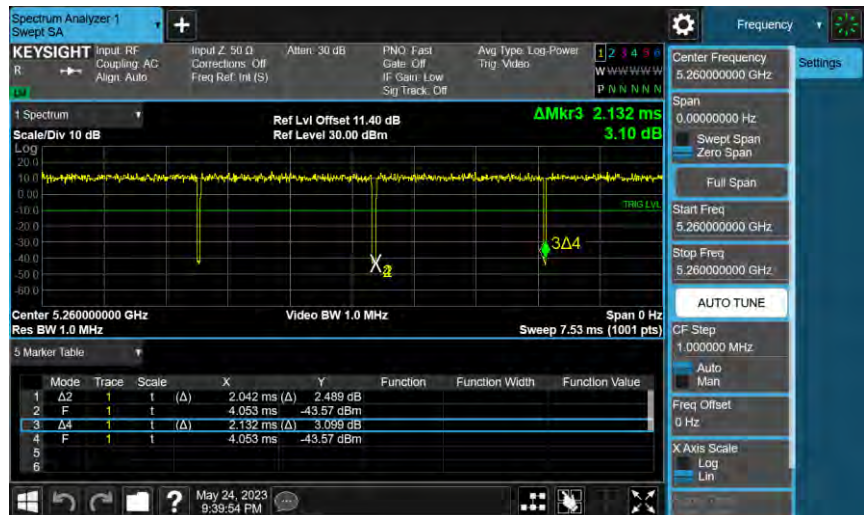


QCA9889

Duty cycle

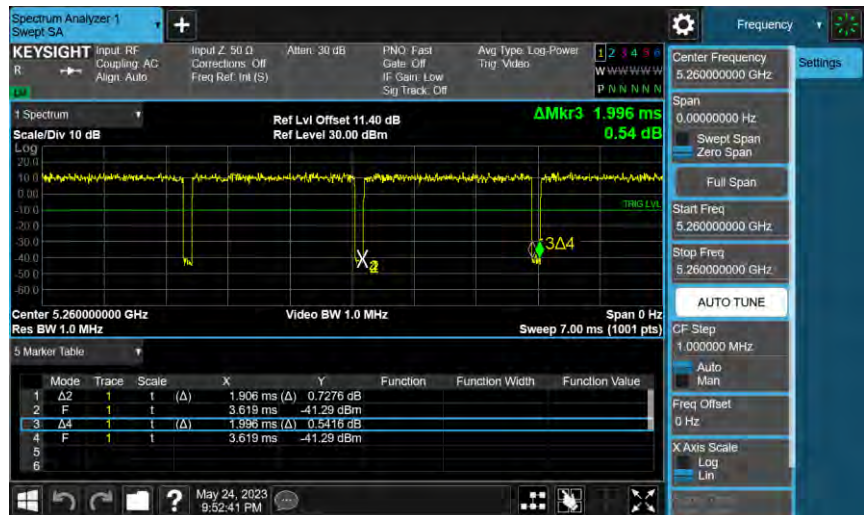
802.11a

On+off time



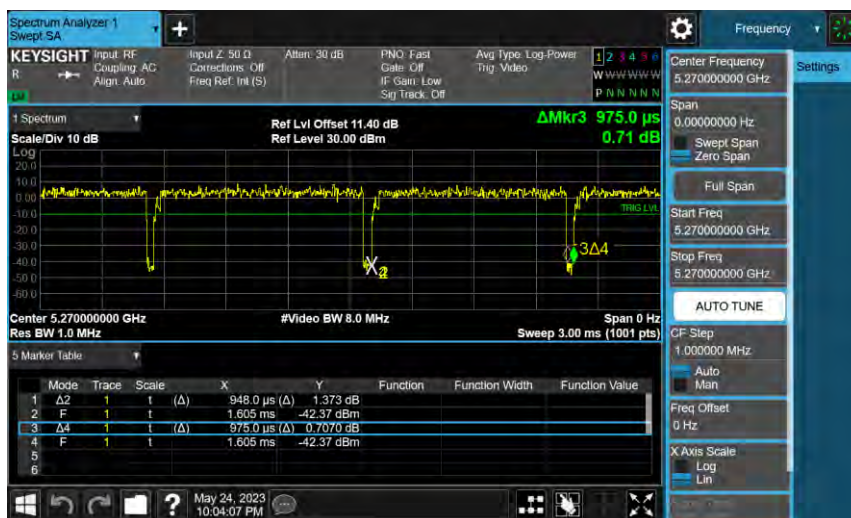
802.11ac VHT20

On+off time



802.11ac VHT40

On+off time



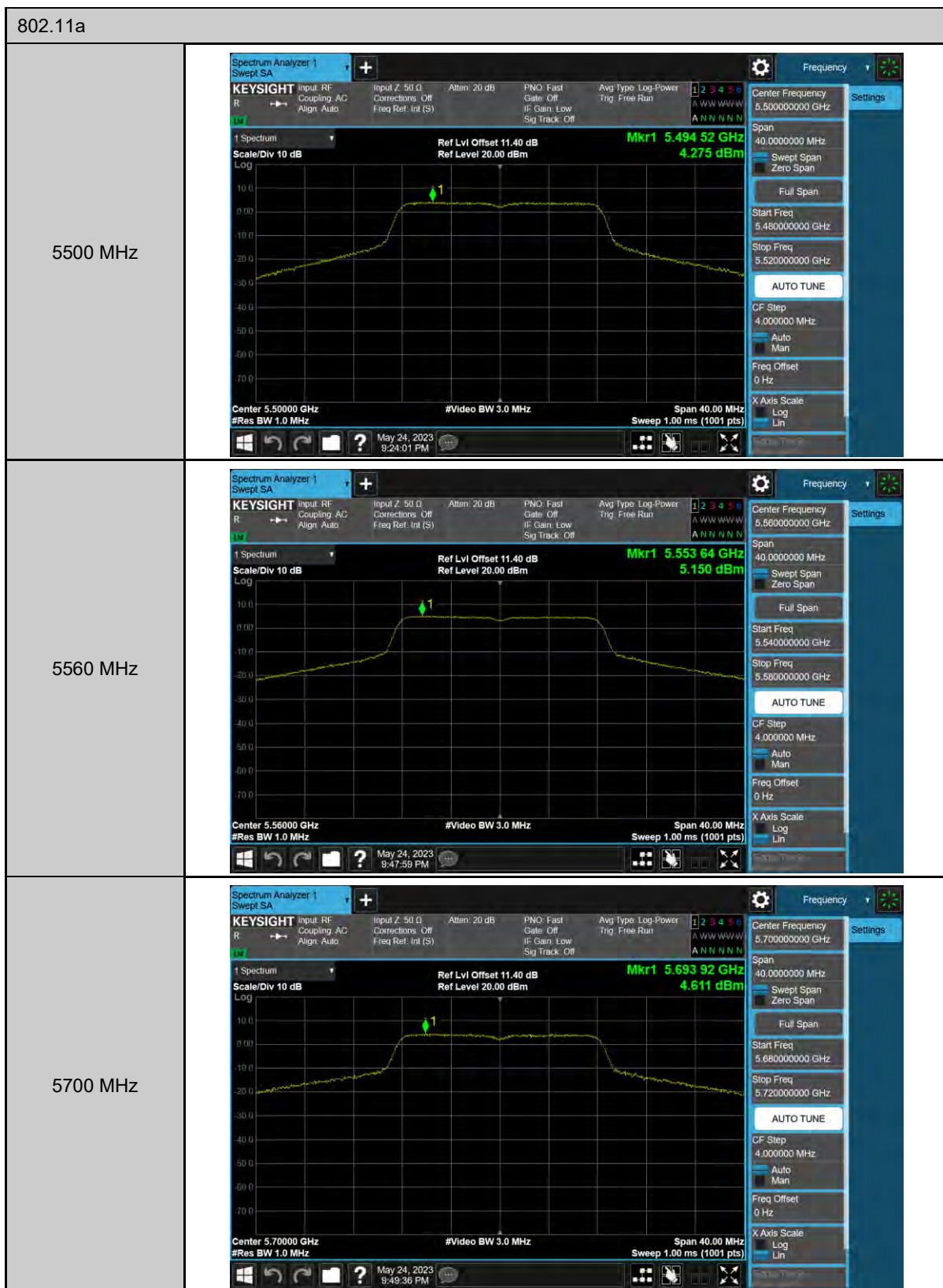
802.11ac VHT80

On+off time



Maximum Power Spectral Density





802.11ac 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

5270 MHz



5310 MHz



802.11ac VHT40_ANT-0

5510 MHz



5550 MHz



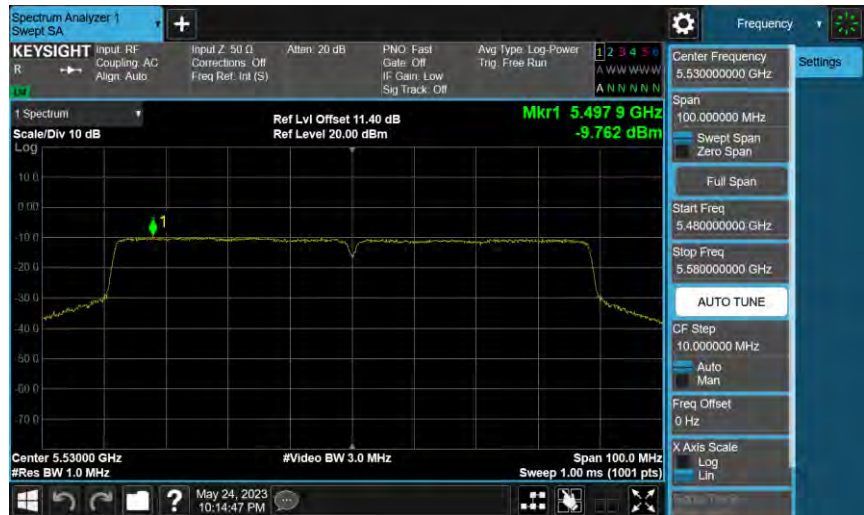
5670 MHz



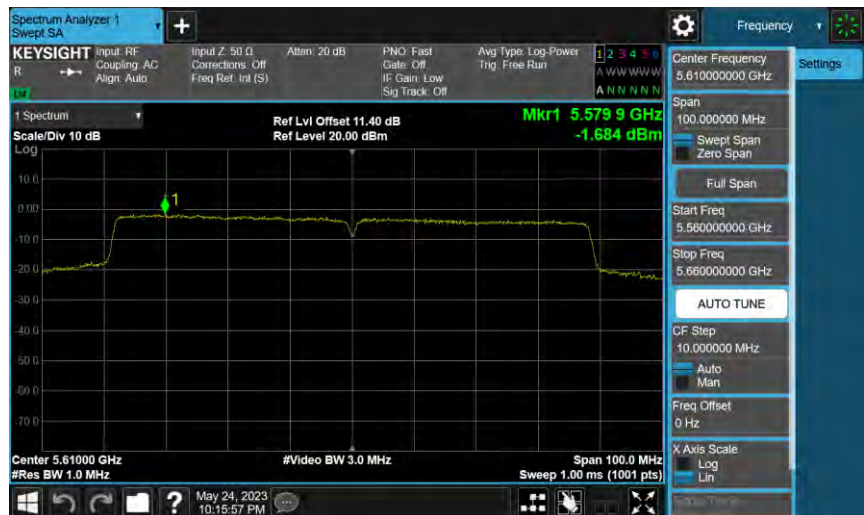


802.11ac VHT80_ANT-0

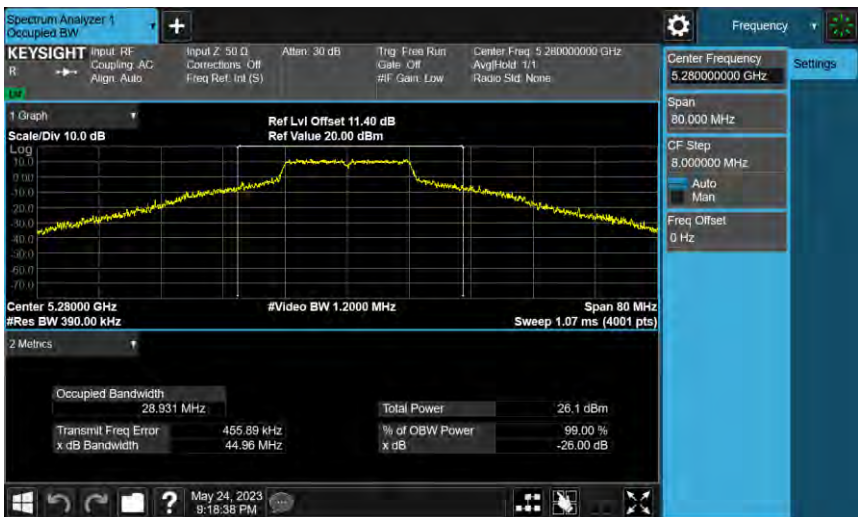
5530 MHz



5610 MHz



26 dB Bandwidth&99% Occupied Bandwidth

802.11a 5260 MHz	 Center Frequency: 5.26000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 28.689 MHz Total Power: -26.5 dBm Transmit Freq Error: 588.02 kHz x dB Bandwidth: 45.00 MHz
5280 MHz	 Center Frequency: 5.28000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 28.931 MHz Total Power: -26.1 dBm Transmit Freq Error: 455.89 kHz x dB Bandwidth: 44.96 MHz
5320 MHz	 Center Frequency: 5.32000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 23.431 MHz Total Power: -24.9 dBm Transmit Freq Error: 125.71 kHz x dB Bandwidth: 41.50 MHz

802.11a 5500 MHz	 Center Frequency 5.50000000 GHz Span 80.000 MHz CF Step 8.000000 MHz Auto Man Freq Offset 0 Hz Center 5.50000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.07 ms (4001 pts) Occupied Bandwidth 20.067 MHz Total Power 22.1 dBm Transmit Freq Error 172.62 kHz % of OBW Power 99.00 % x dB Bandwidth 35.31 MHz x dB -26.00 dB May 24, 2023 8:23:39 PM
5560 MHz	 Center Frequency 5.56000000 GHz Span 80.000 MHz CF Step 8.000000 MHz Auto Man Freq Offset 0 Hz Center 5.56000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.07 ms (4001 pts) Occupied Bandwidth 25.428 MHz Total Power 23.3 dBm Transmit Freq Error 100.97 kHz % of OBW Power 99.00 % x dB Bandwidth 41.51 MHz x dB -26.00 dB May 24, 2023 8:44:43 PM
5700 MHz	 Center Frequency 5.70000000 GHz Span 80.000 MHz CF Step 8.000000 MHz Auto Man Freq Offset 0 Hz Center 5.70000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.07 ms (4001 pts) Occupied Bandwidth 29.255 MHz Total Power 22.6 dBm Transmit Freq Error 1473.43 kHz % of OBW Power 99.00 % x dB Bandwidth 44.60 MHz x dB -26.00 dB May 24, 2023 8:45:48 PM

802.11ac VHT20_ANT-0

5260 MHz

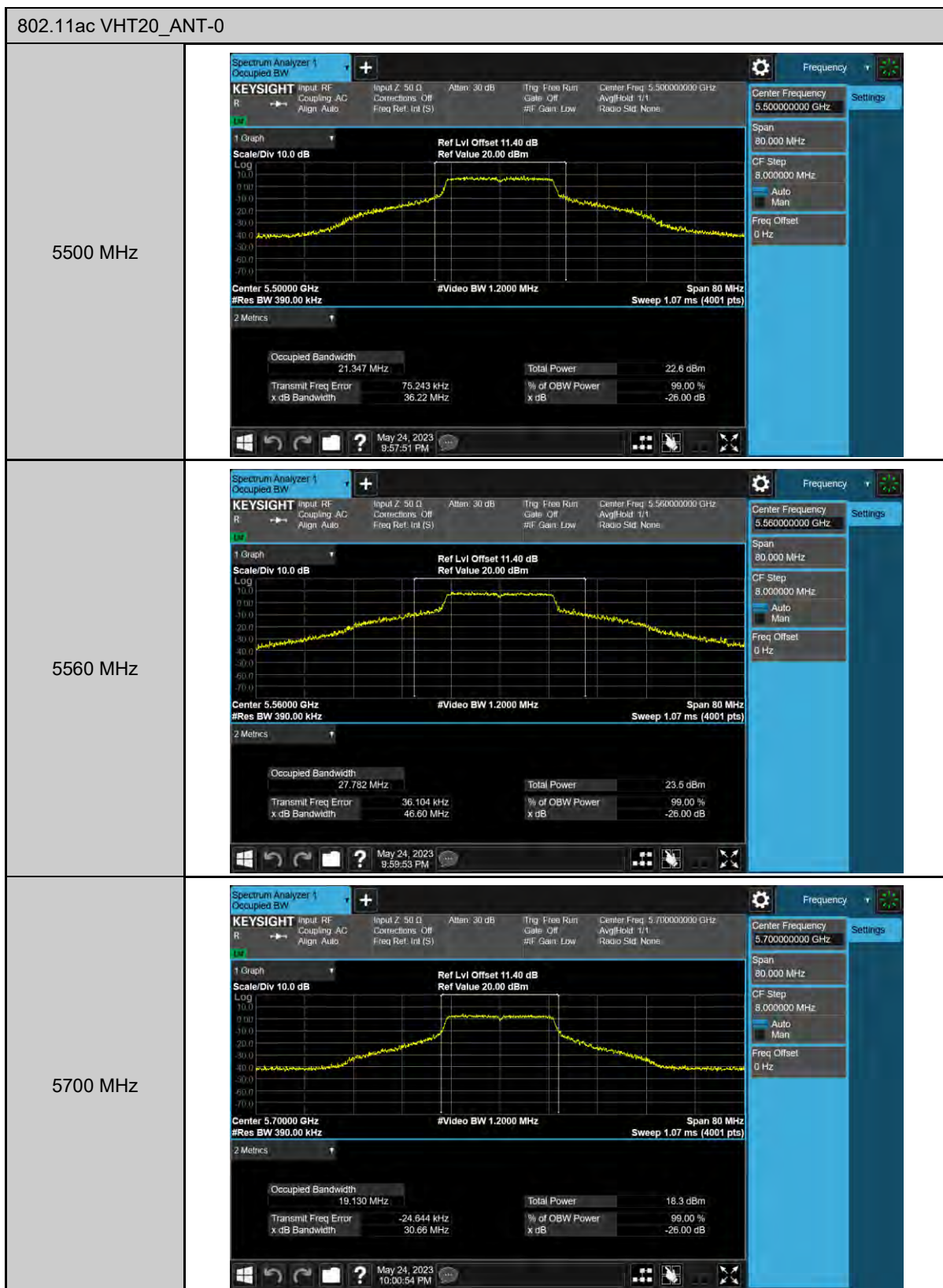


5280 MHz



5320 MHz







802.11ac VHT40_ANT-0

5310 MHz



5510 MHz



5550 MHz





