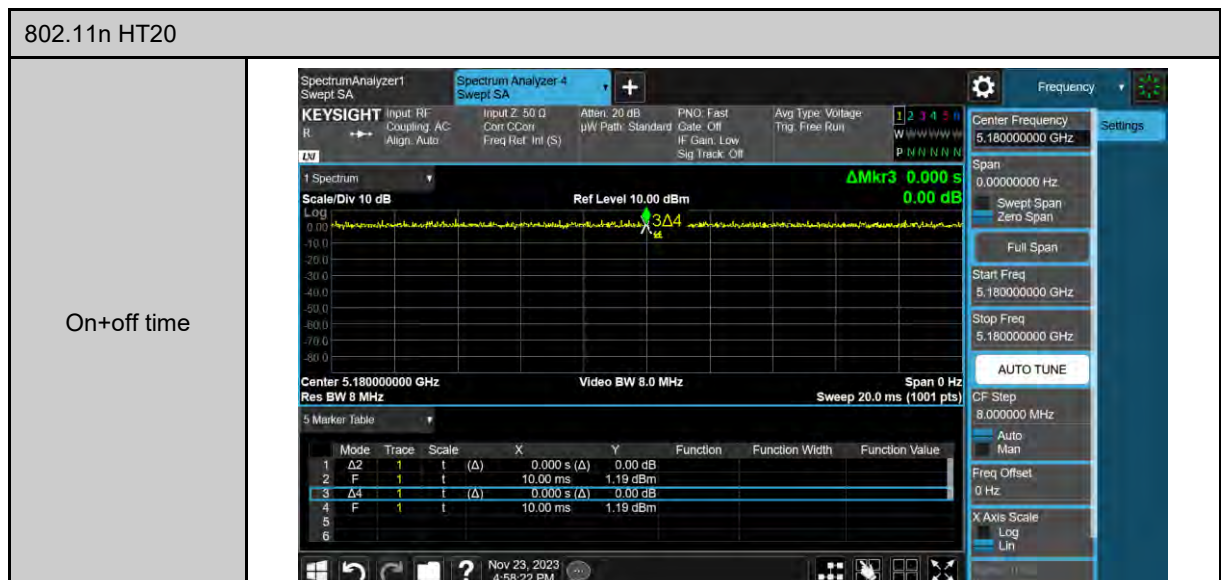
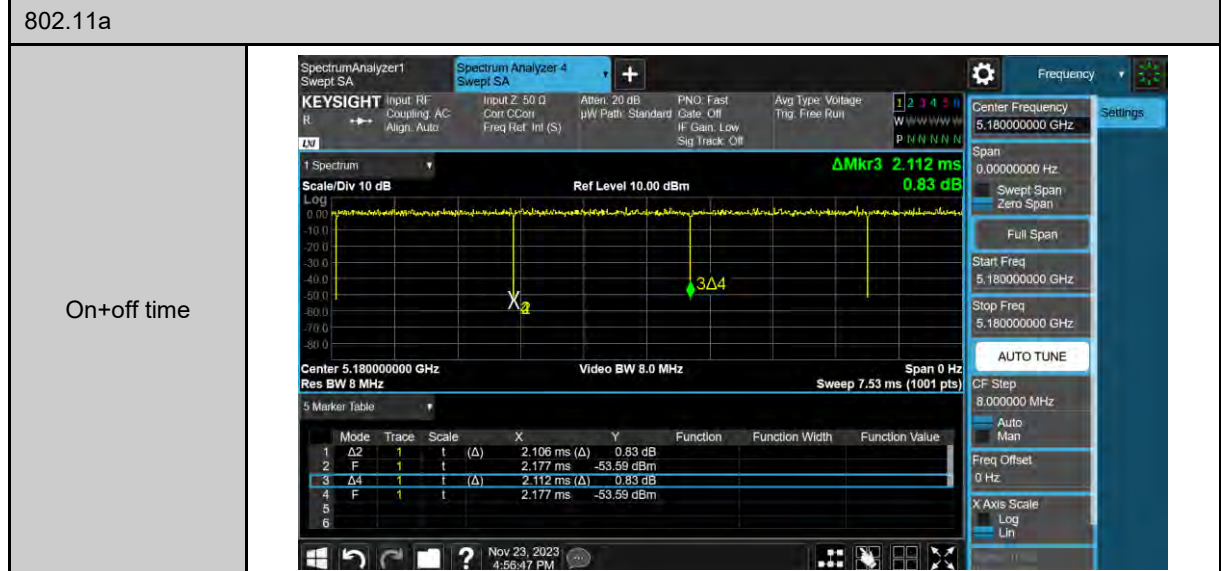


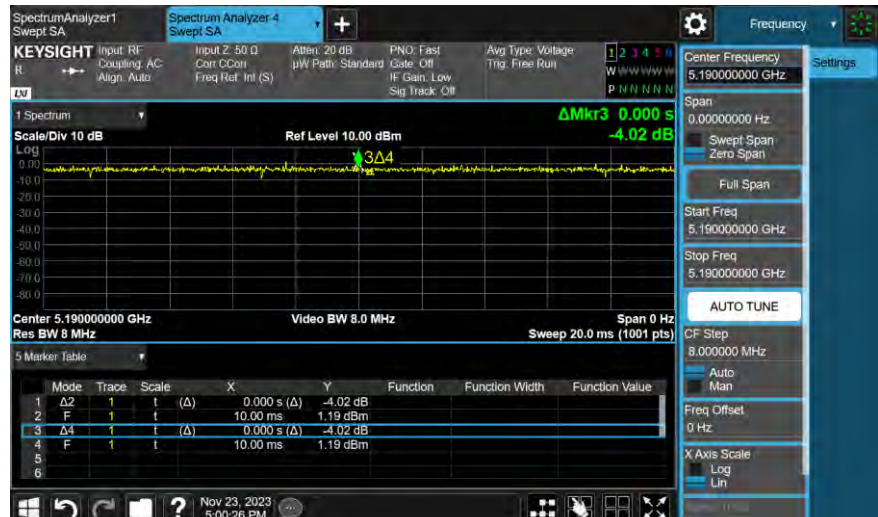
Appendix B. Test Plots

Duty cycle



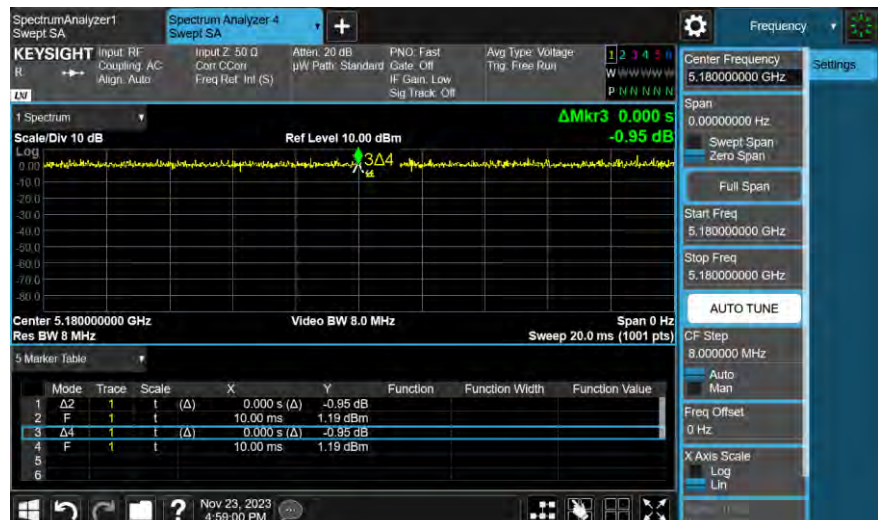
802.11n HT40

On+off time



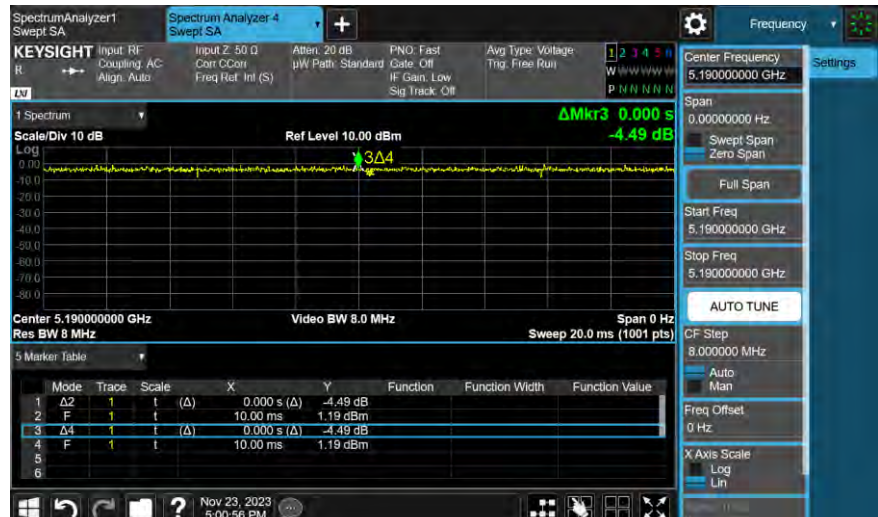
802.11ac VHT20

On+off time



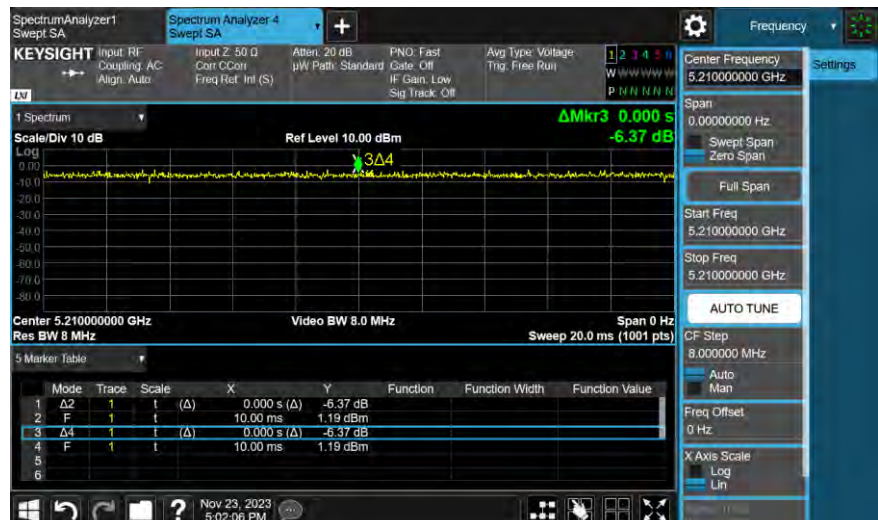
802.11ac VHT40

On+off time



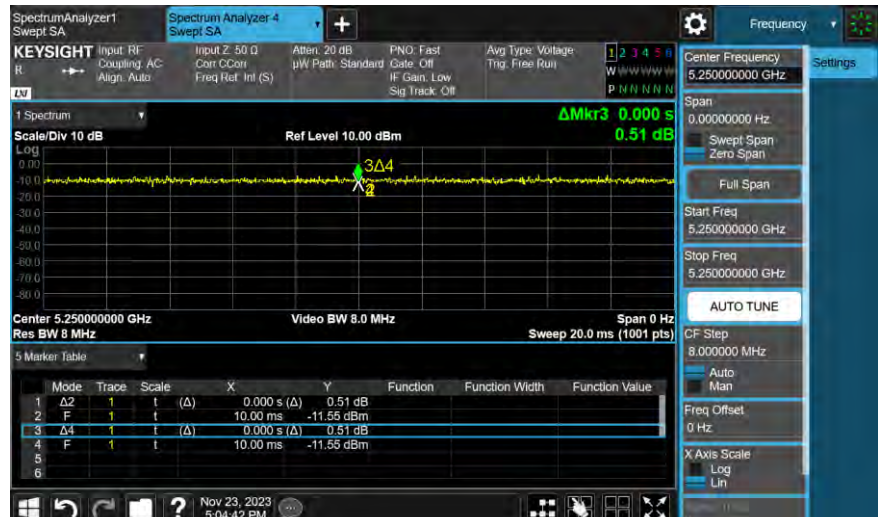
802.11ac VHT80

On+off time



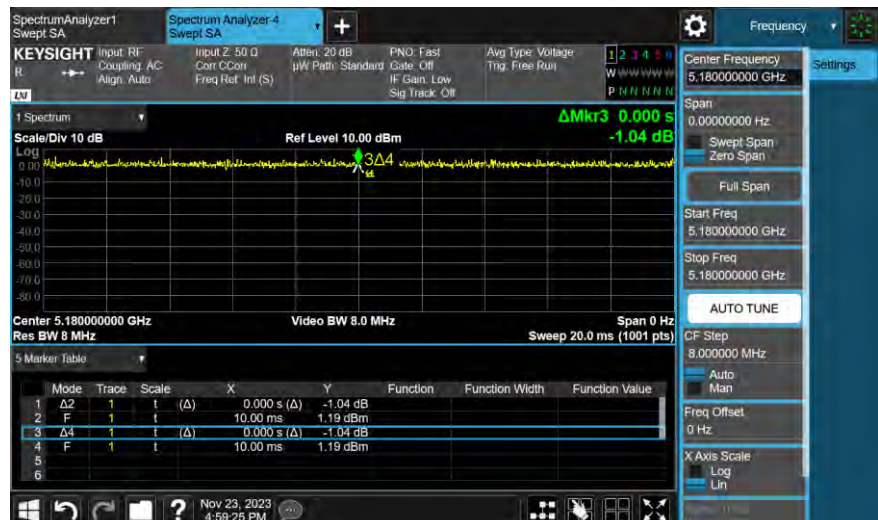
802.11ac VHT160

On+off time



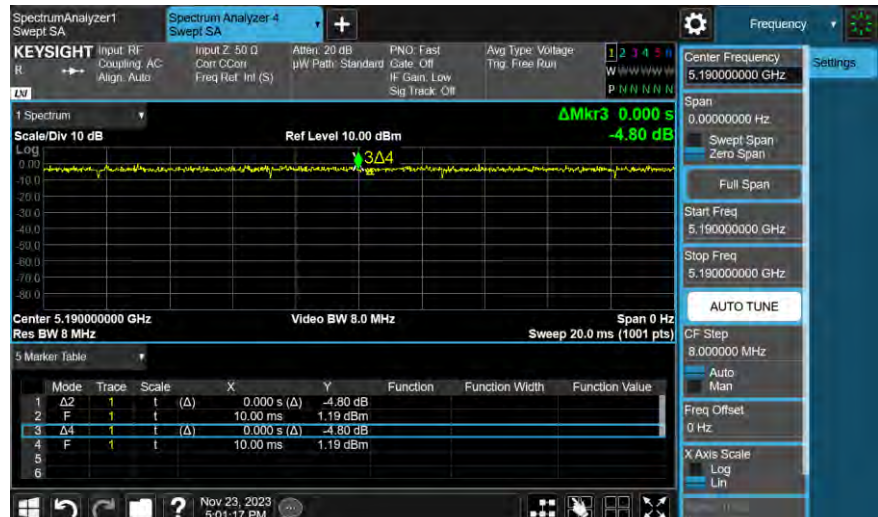
802.11ax HE20

On+off time



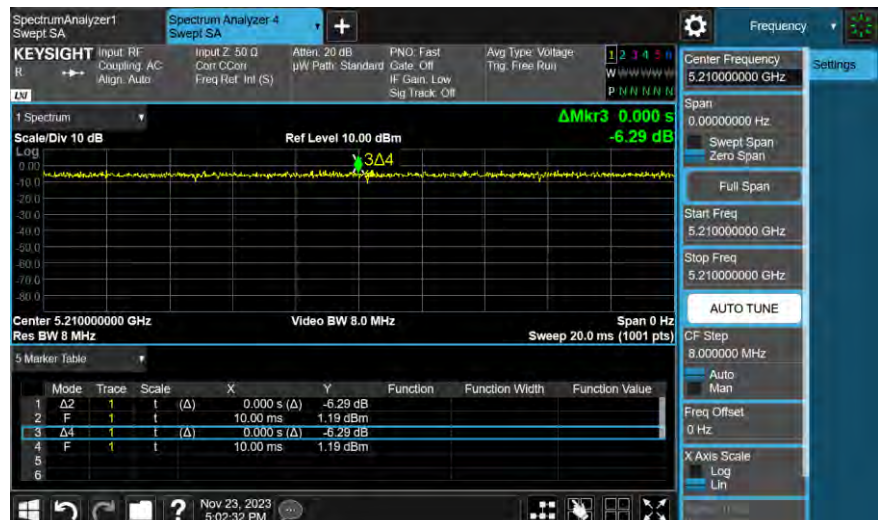
802.11ax HE40

On+off time



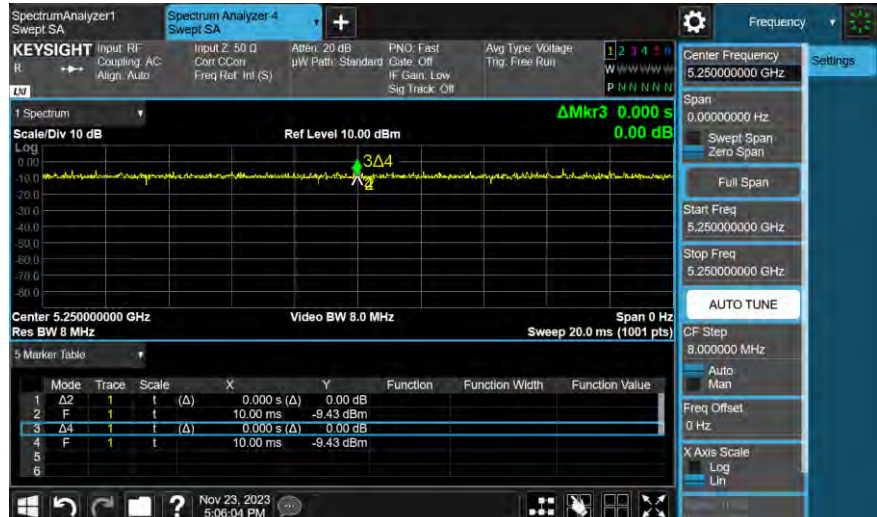
802.11ax HE80

On+off time

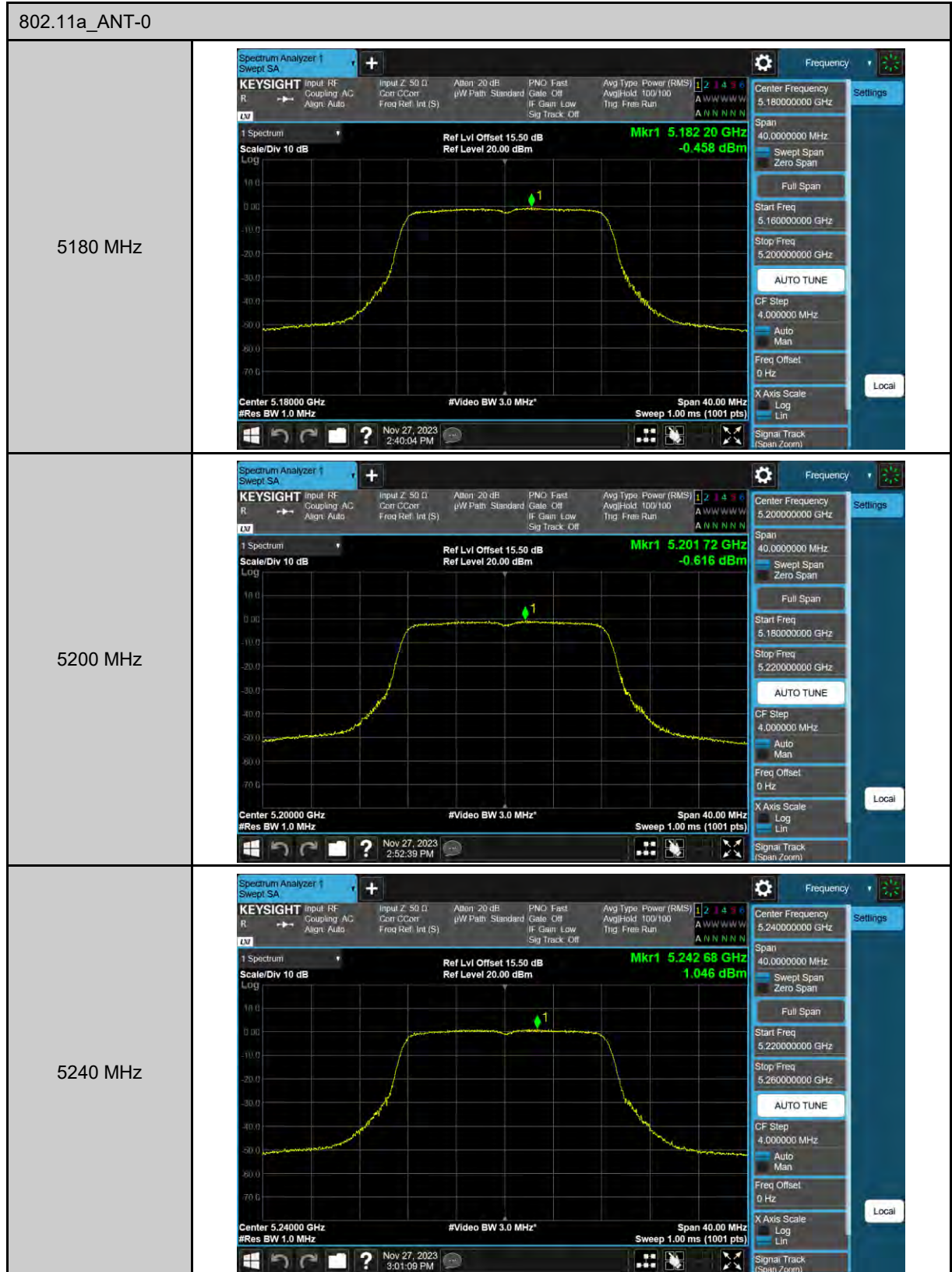


802.11ax HE160

On+off time



Maximum Power Spectral Density

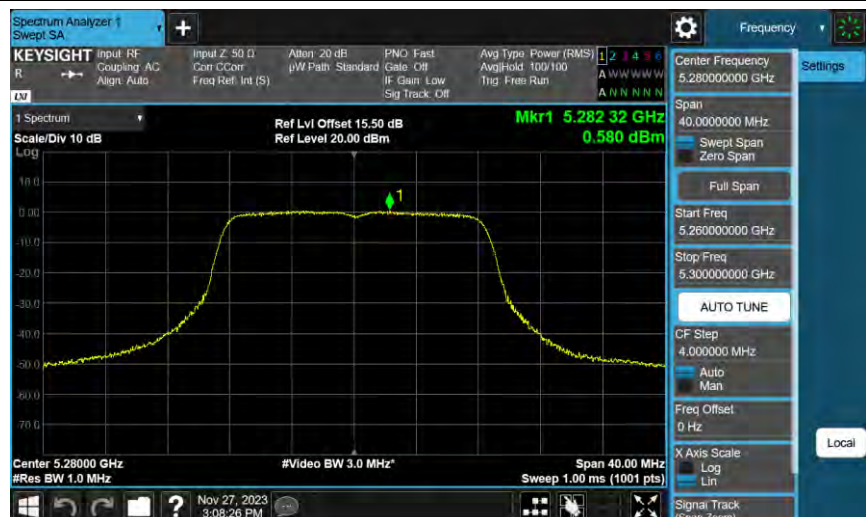


802.11a_ANT-0

5260 MHz

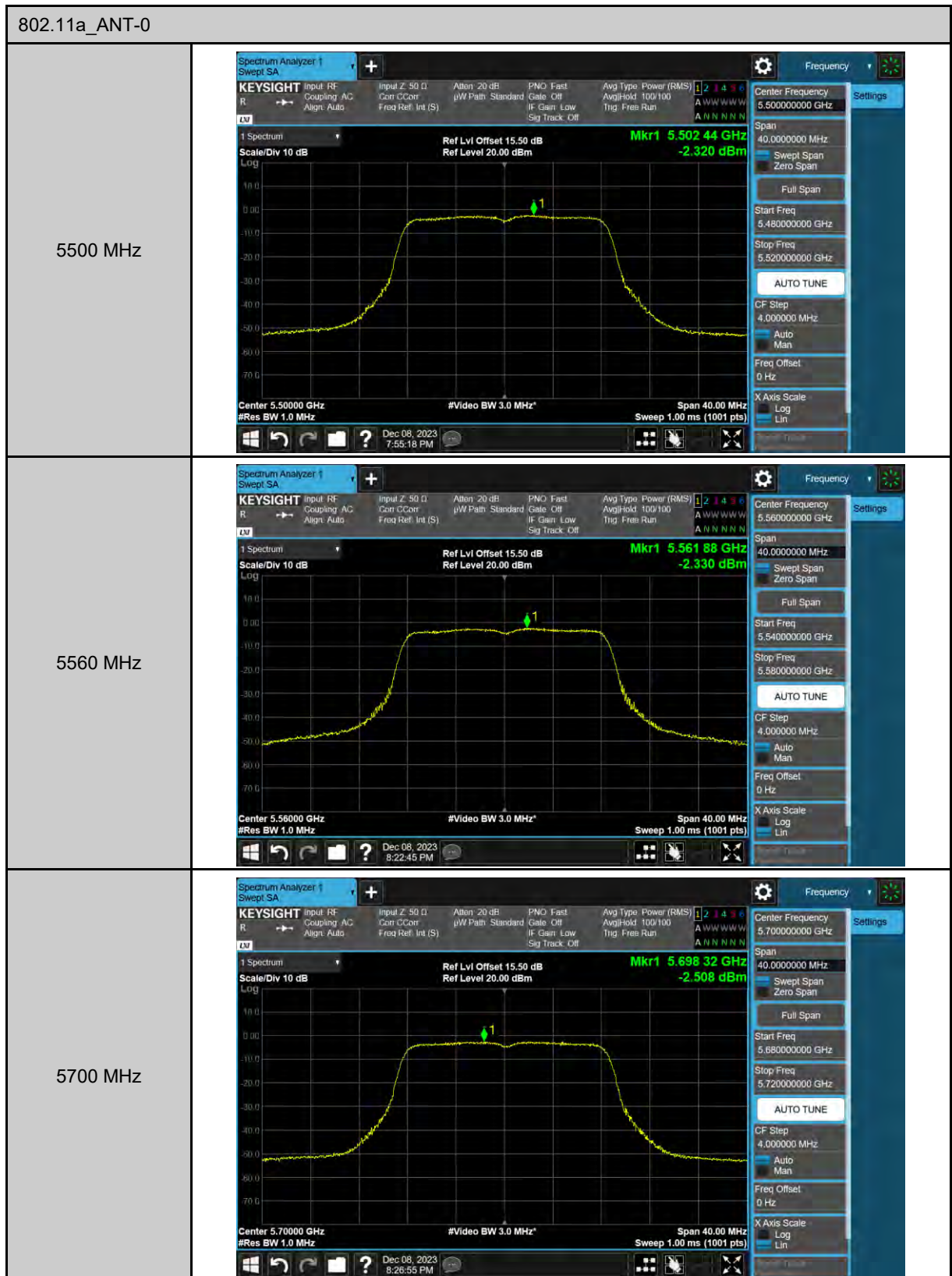


5280 MHz



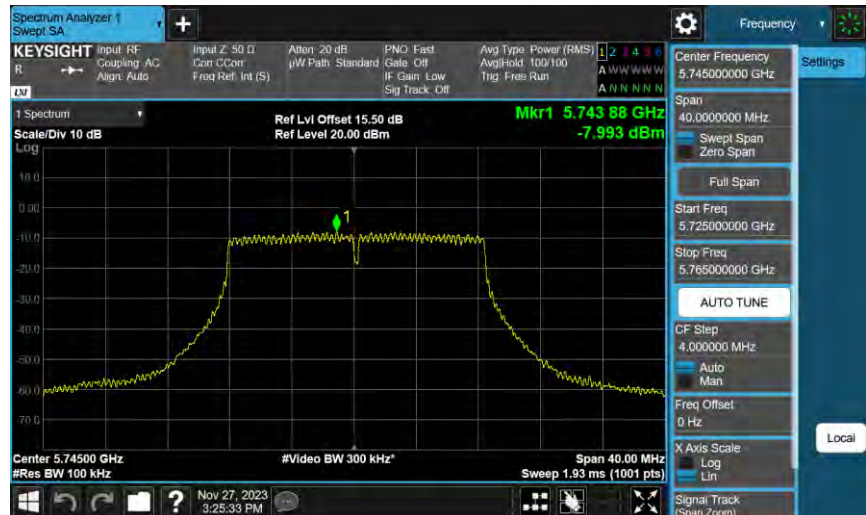
5320 MHz



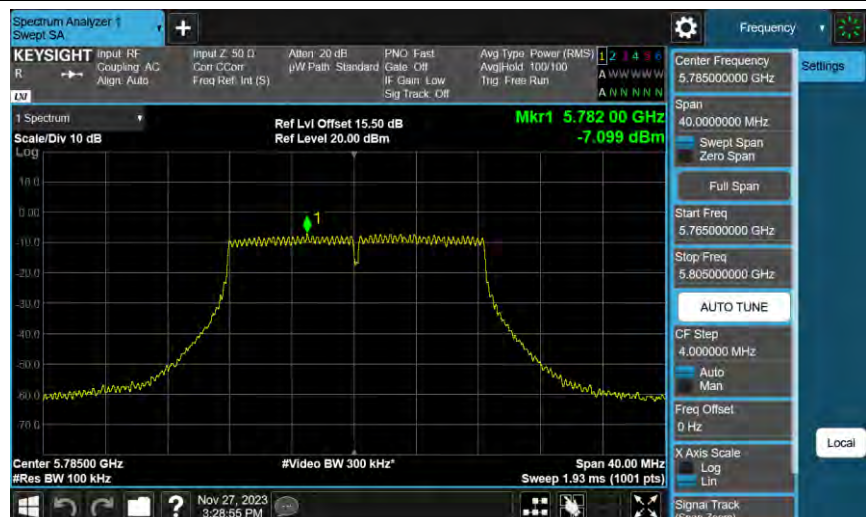


802.11a_ANT-0

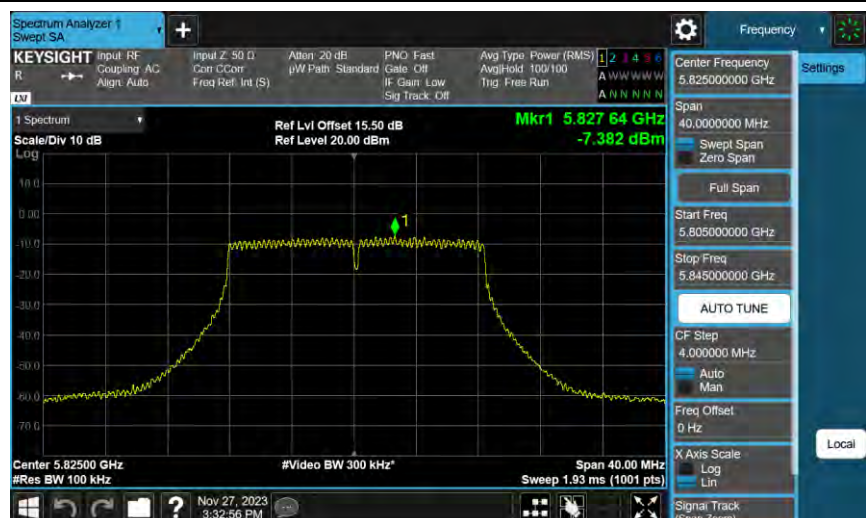
5745 MHz



5785 MHz



5825 MHz

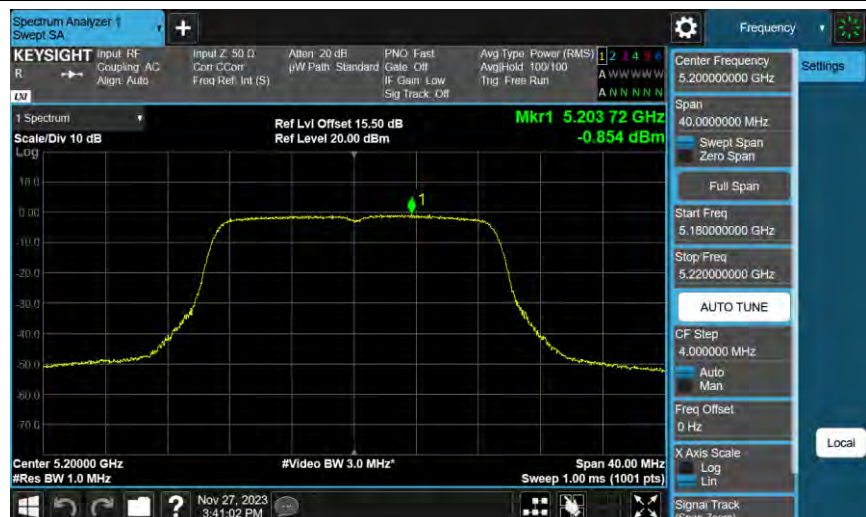


802.11n HT20_ANT-0

5180 MHz



5200 MHz



5240 MHz



802.11n HT20_ANT-0

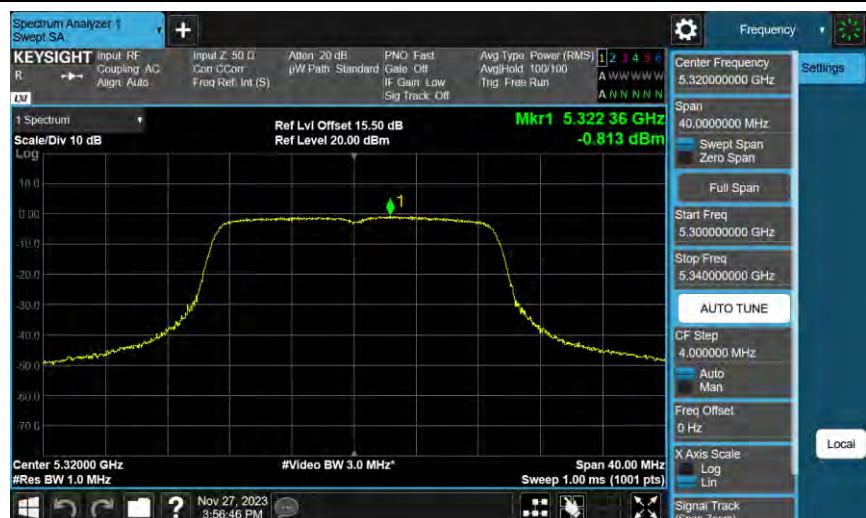
5260 MHz



5280 MHz



5320 MHz



802.11n HT20_ANT-0

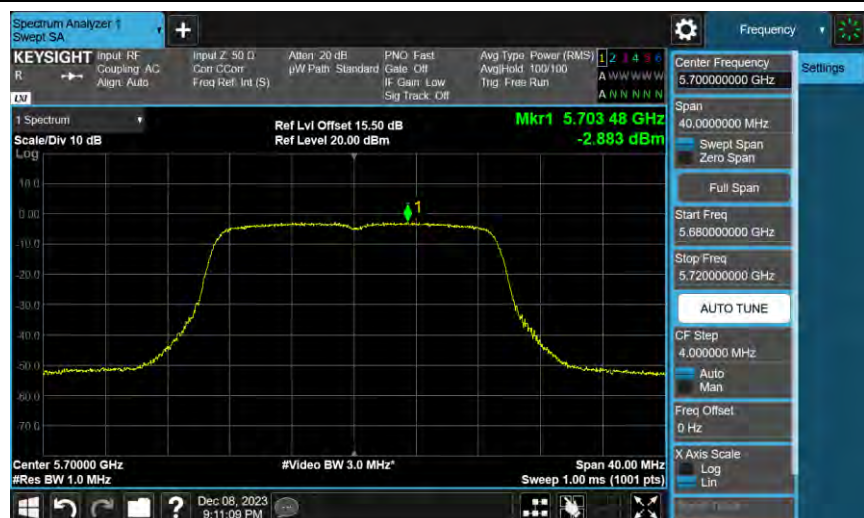
5500 MHz



5560 MHz

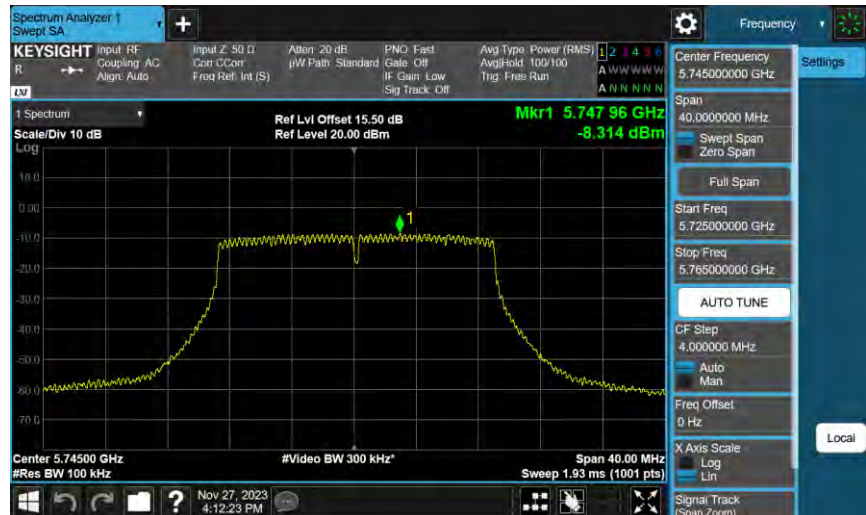


5700 MHz

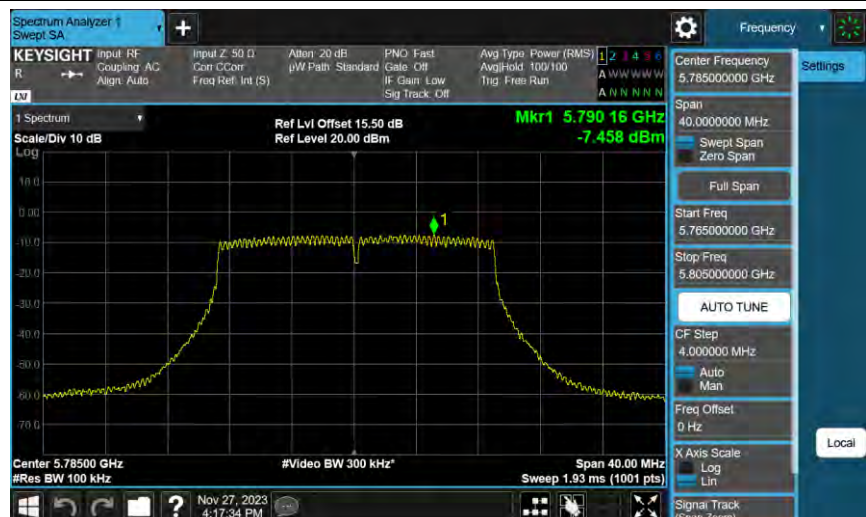


802.11n HT20_ANT-0

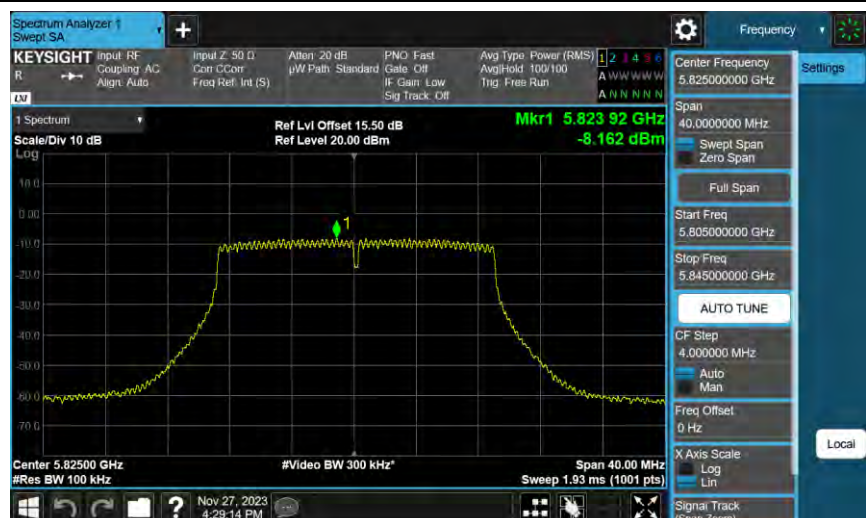
5745 MHz



5785 MHz



5825 MHz



802.11n HT40_ANT-0

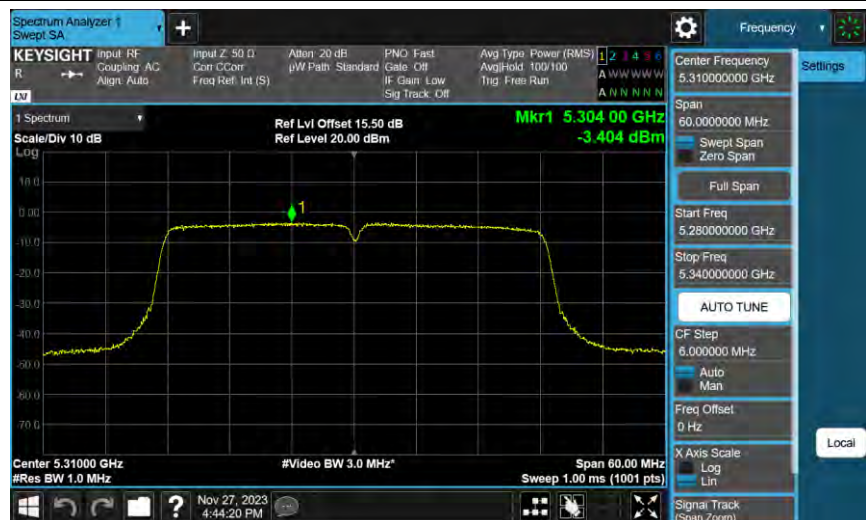


802.11n HT40_ANT-0

5270 MHz

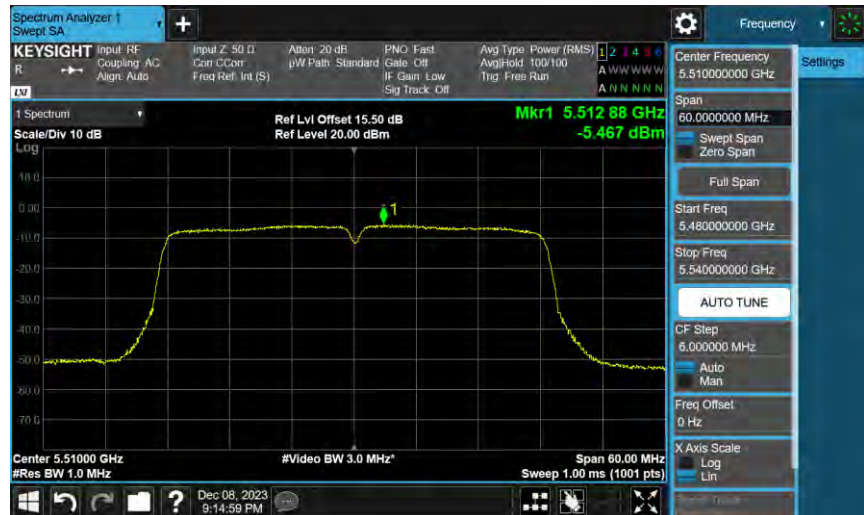


5310 MHz



802.11n HT40_ANT-0

5510 MHz



5550 MHz

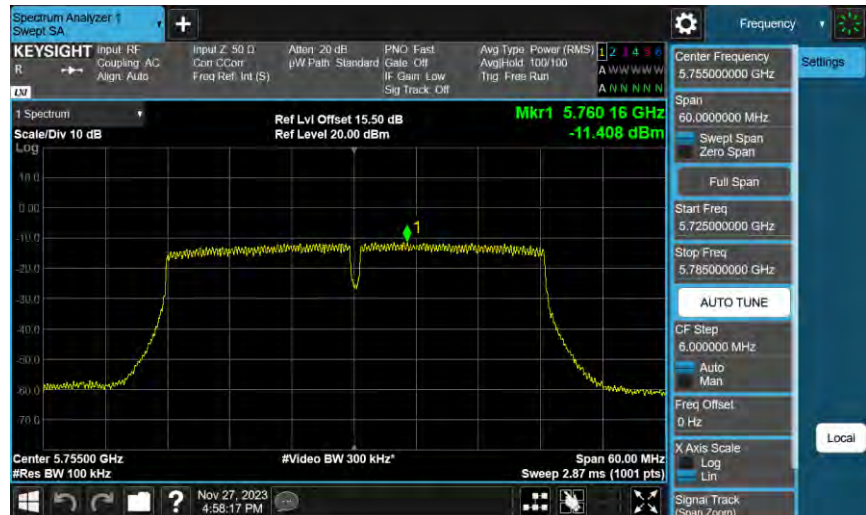


5670 MHz

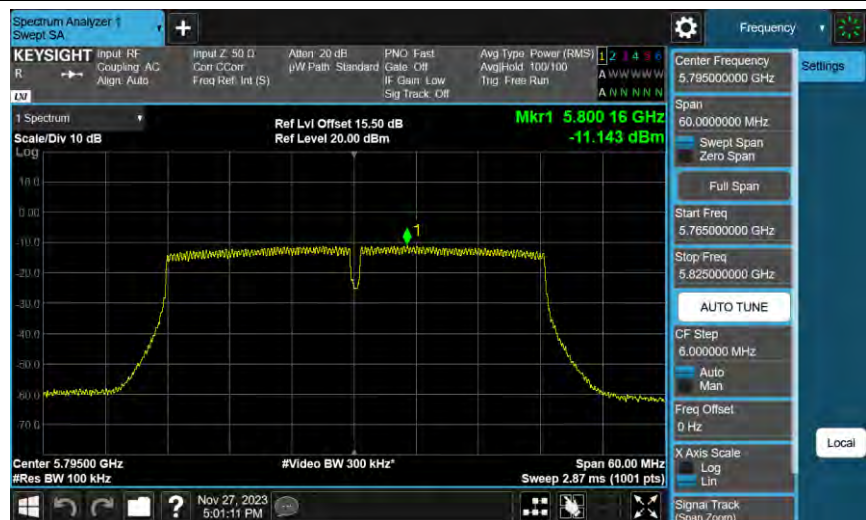


802.11n HT40_ANT-0

5755 MHz



5795 MHz





802.11ac VHT80_ANT-0

5530 MHz

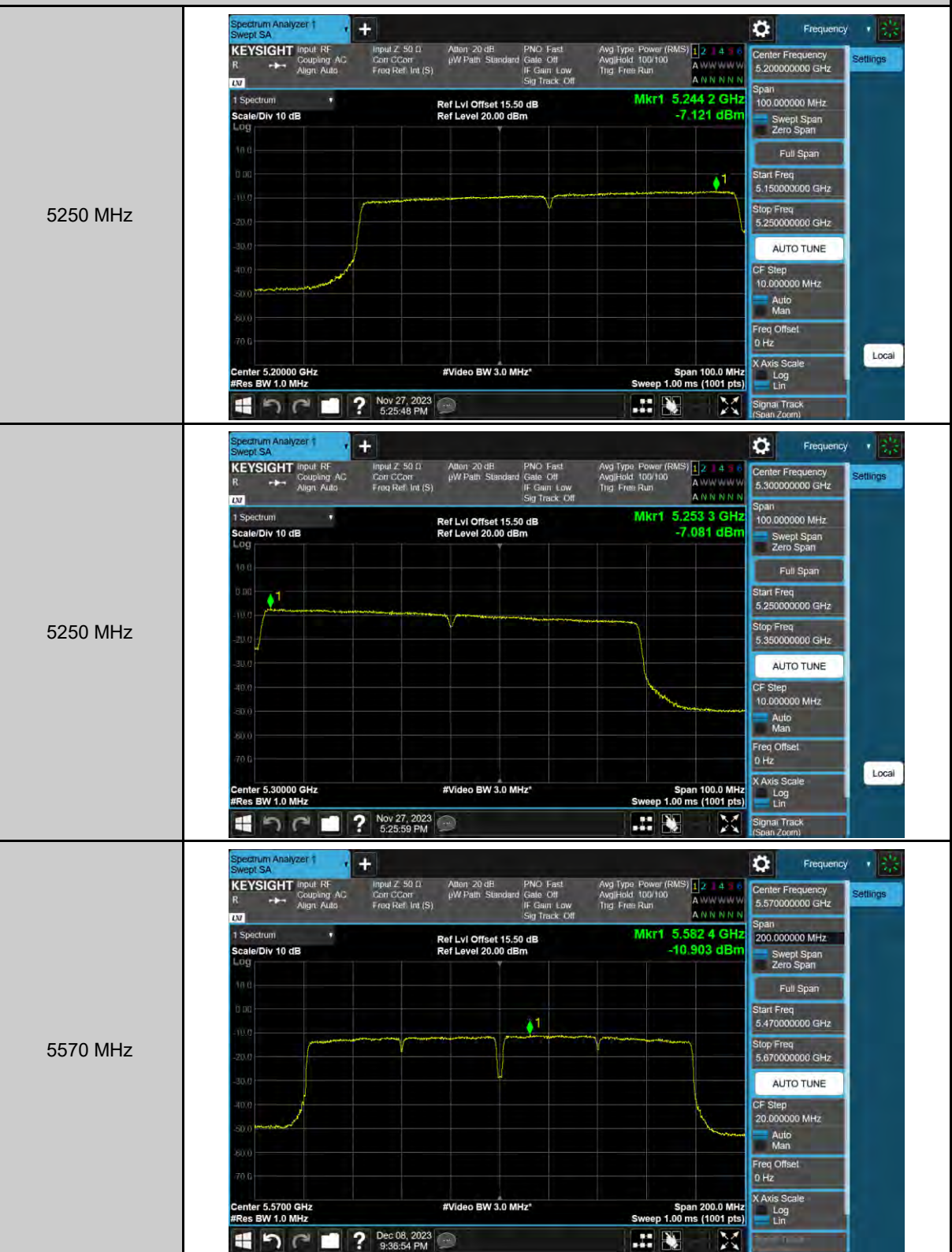


5610 MHz

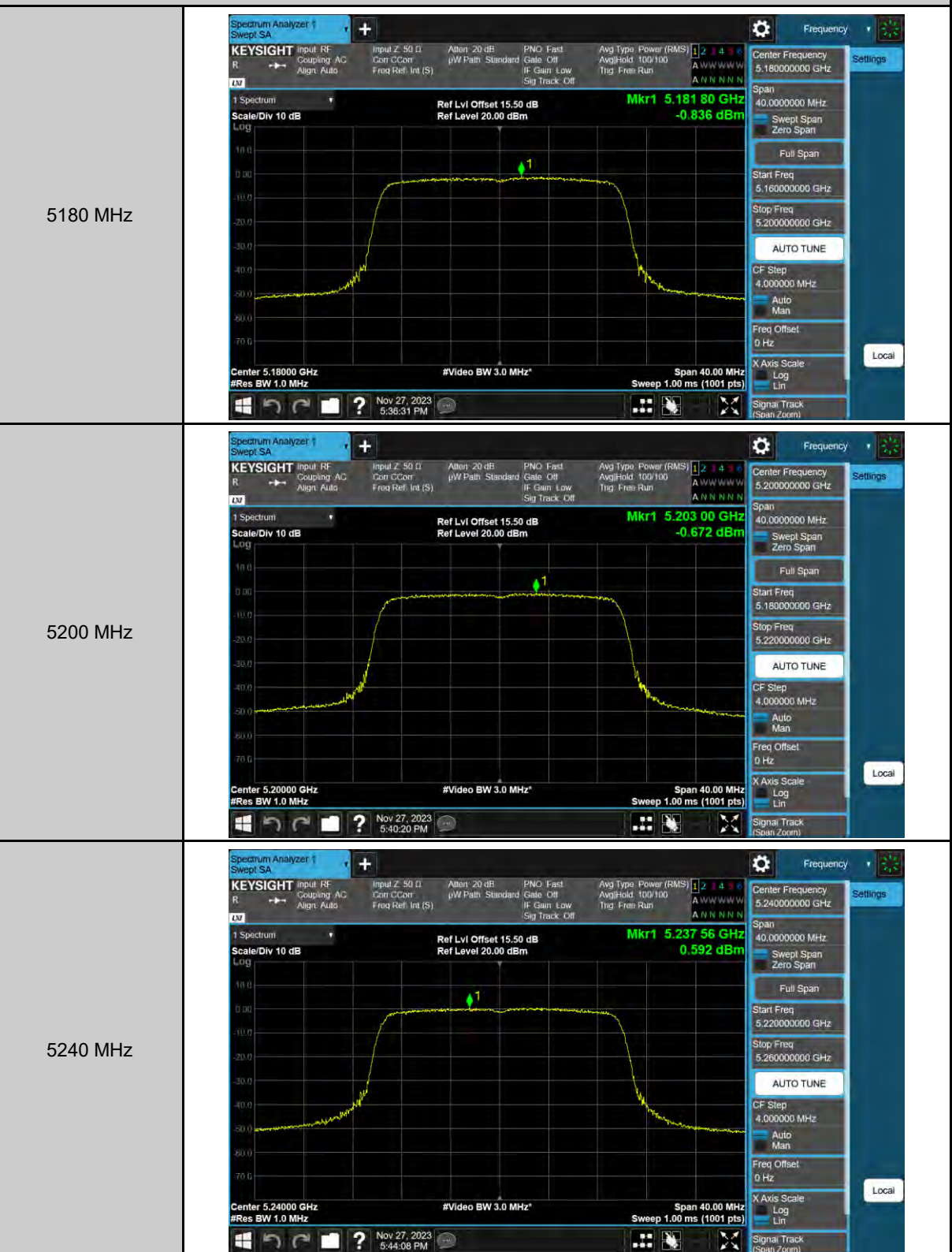




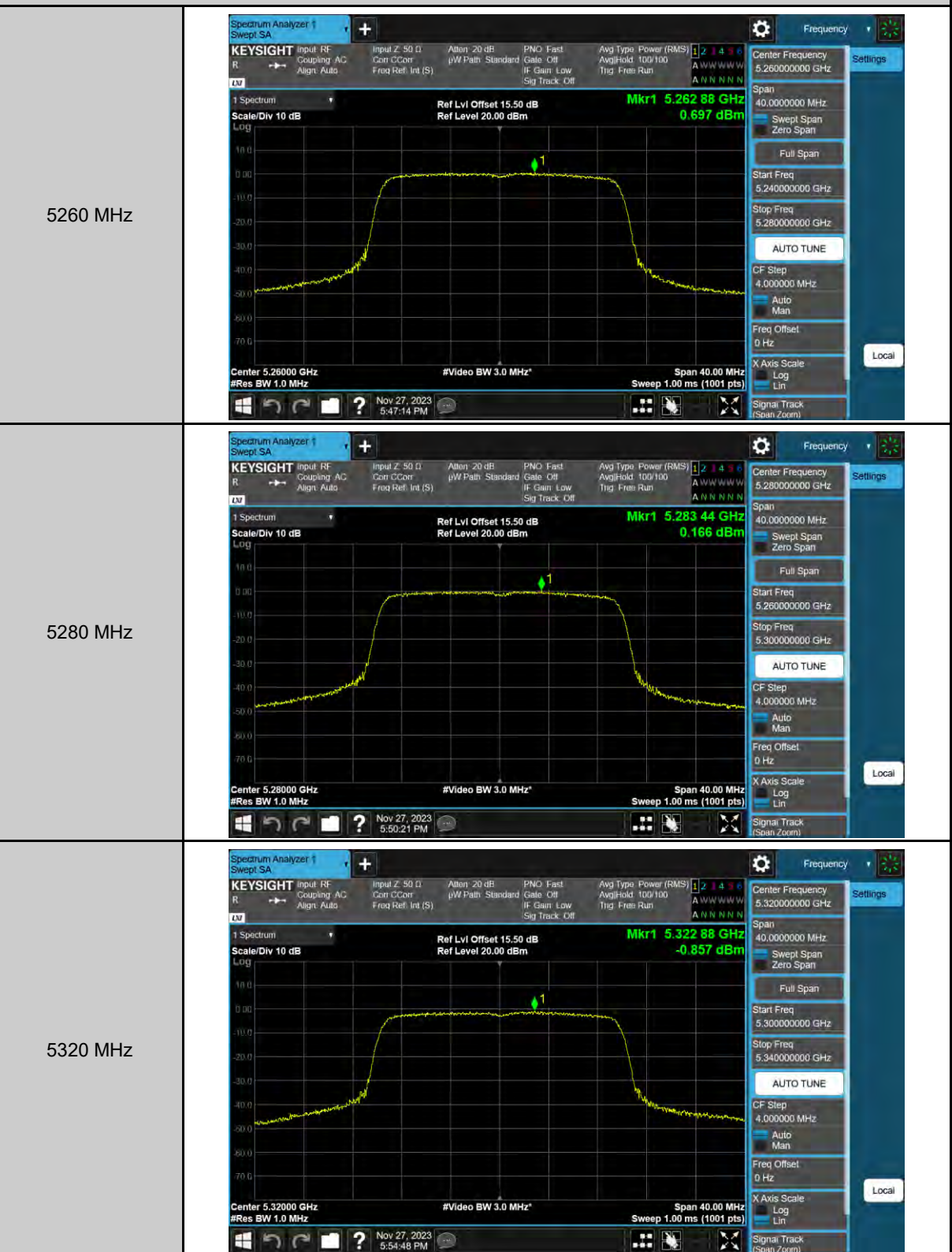
802.11ac VHT160_ANT-0



802.11ax HE20_ANT-0

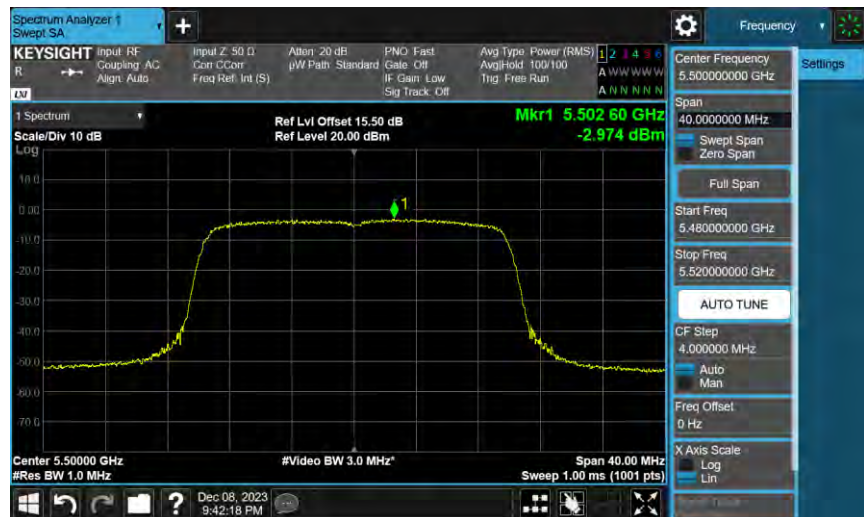


802.11ax HE20_ANT-0

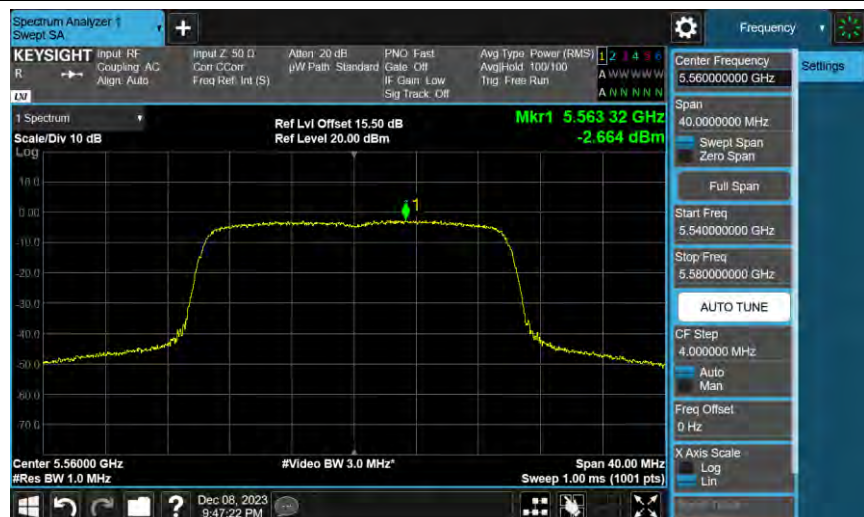


802.11ax HE20_ANT-0

5500 MHz



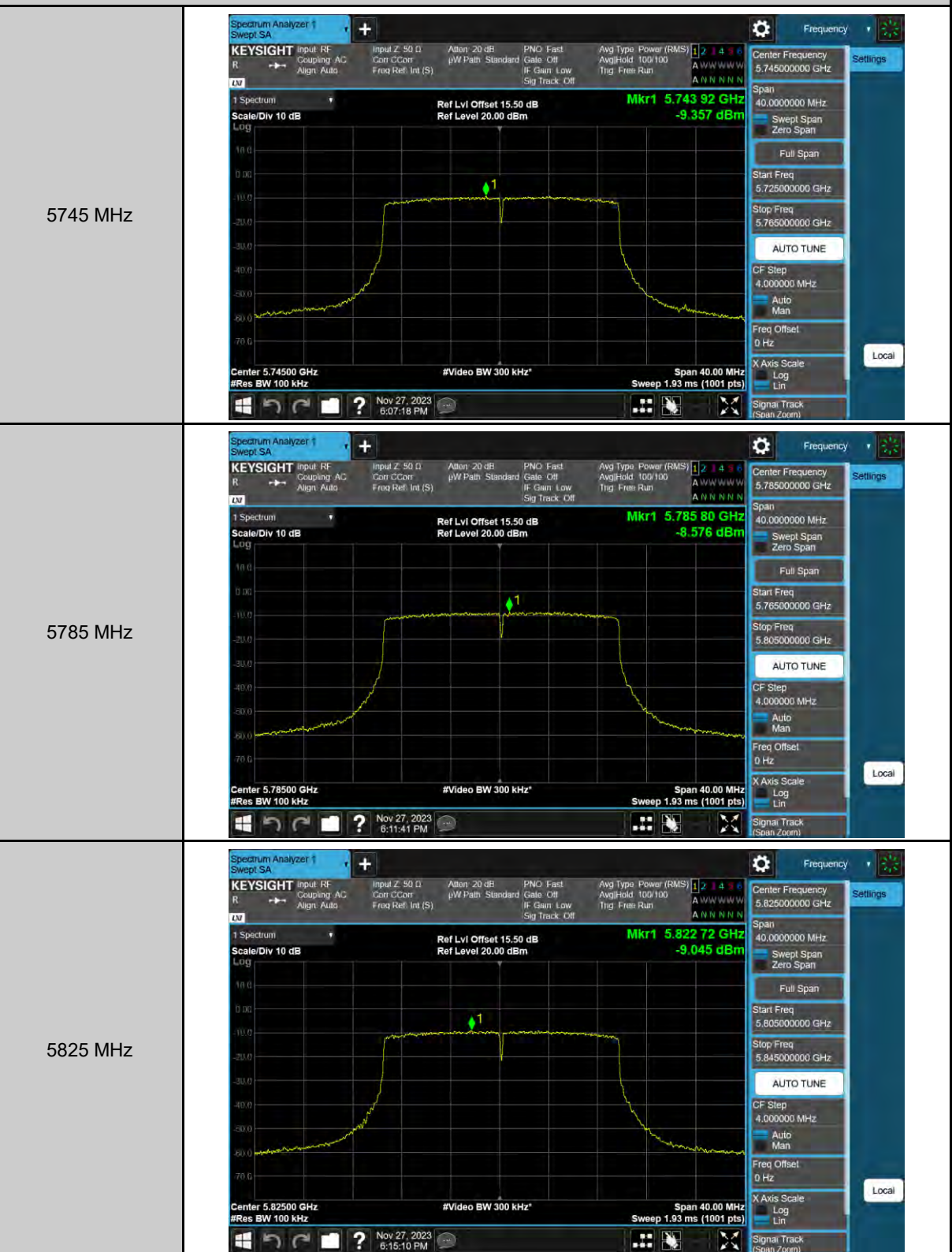
5560 MHz



5700 MHz



802.11ax HE20_ANT-0



802.11ax HE40_ANT-0

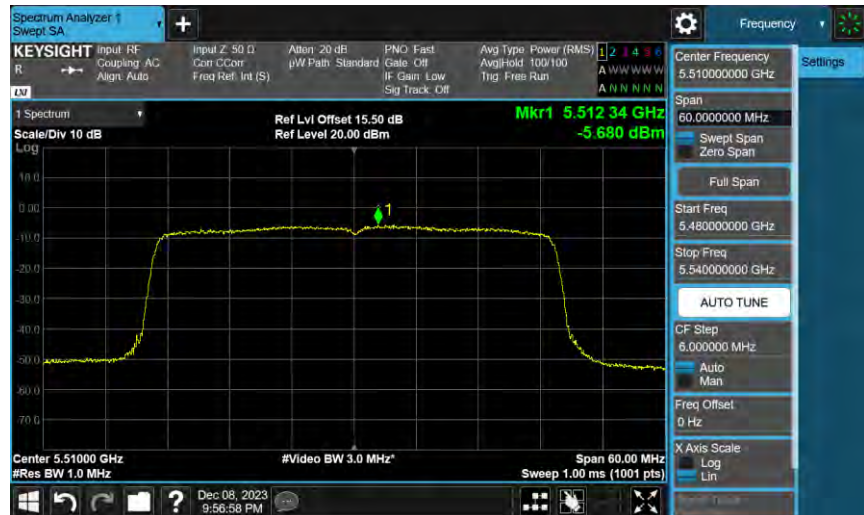


802.11ax HE40_ANT-0



802.11ax HE40_ANT-0

5510 MHz



5550 MHz



5670 MHz

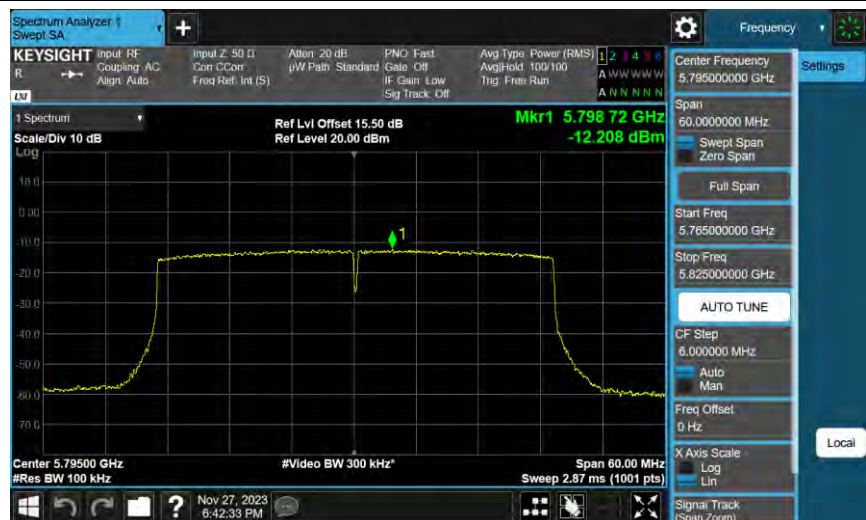


802.11ax HE40_ANT-0

5755 MHz



5795 MHz



802.11ax HE80_ANT-0



802.11ax HE80_ANT-0

5530 MHz

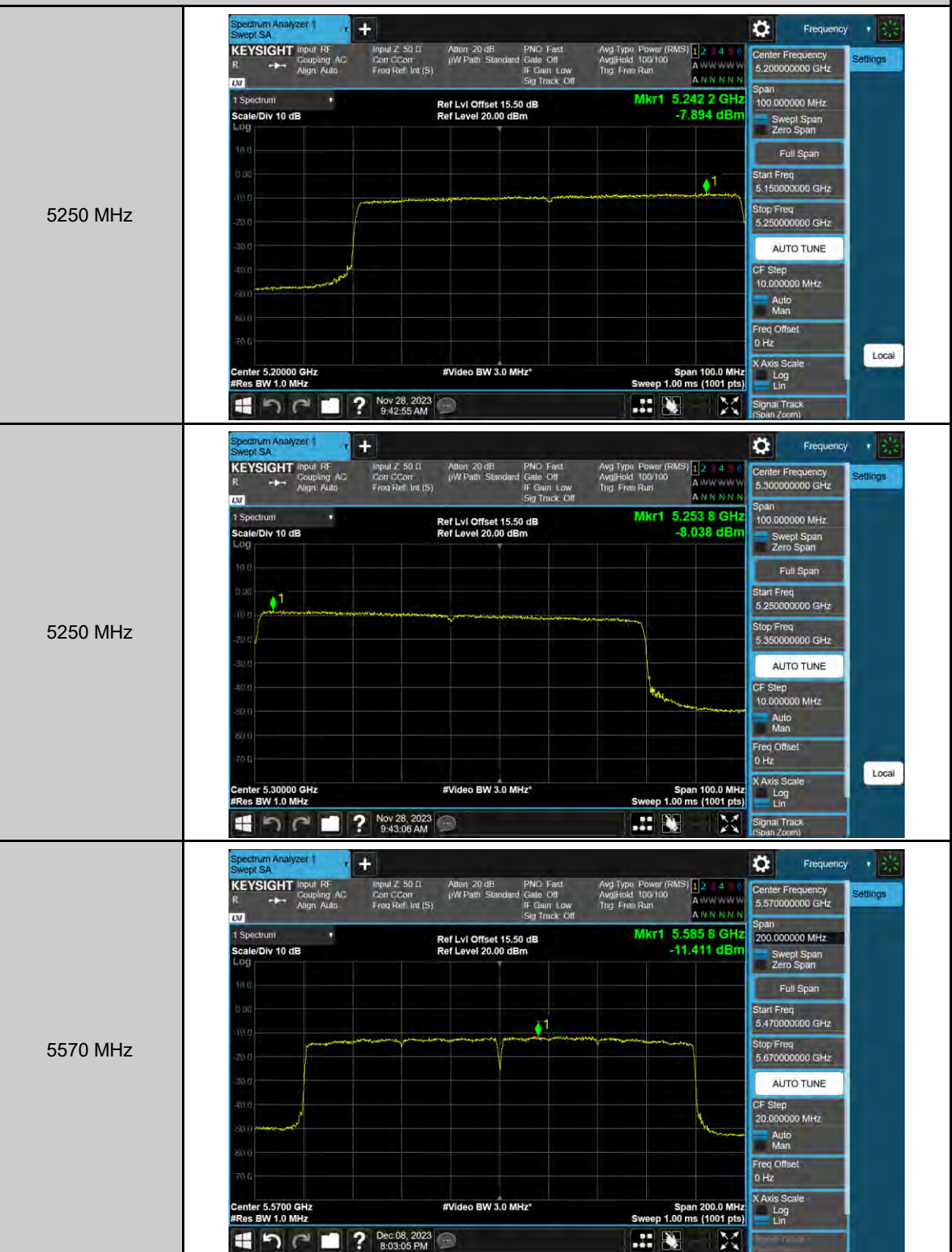


5610 MHz



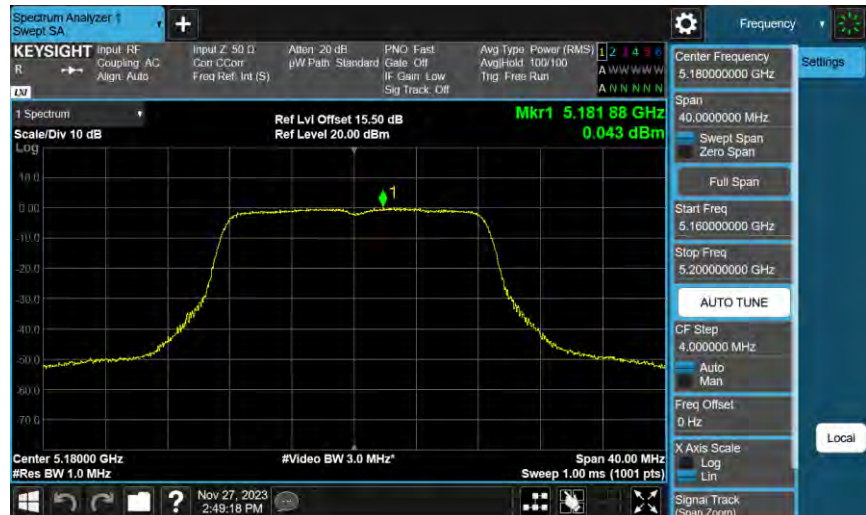


802.11ax HE160_ANT-0

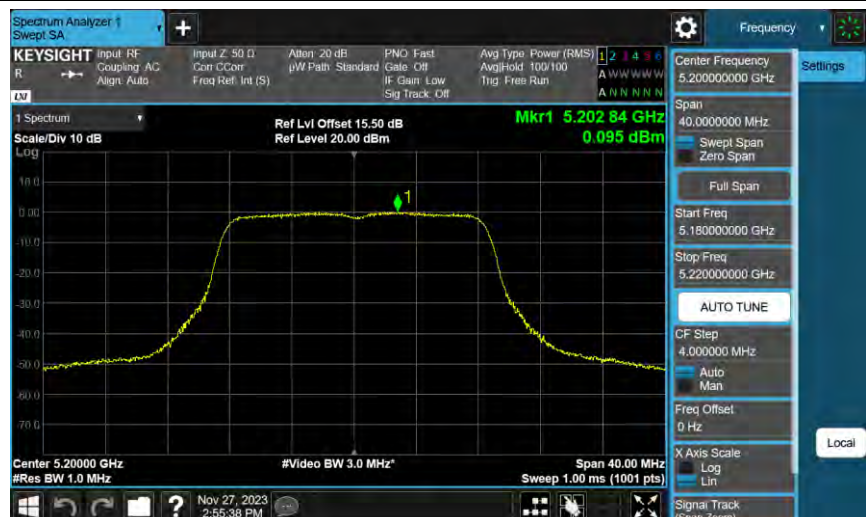


802.11a_ANT-1

5180 MHz



5200 MHz



5240 MHz

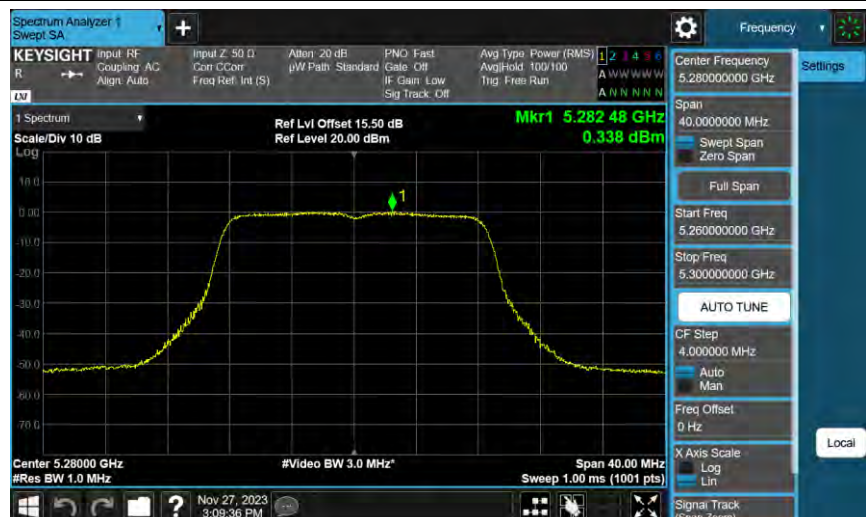


802.11a_ANT-1

5260 MHz

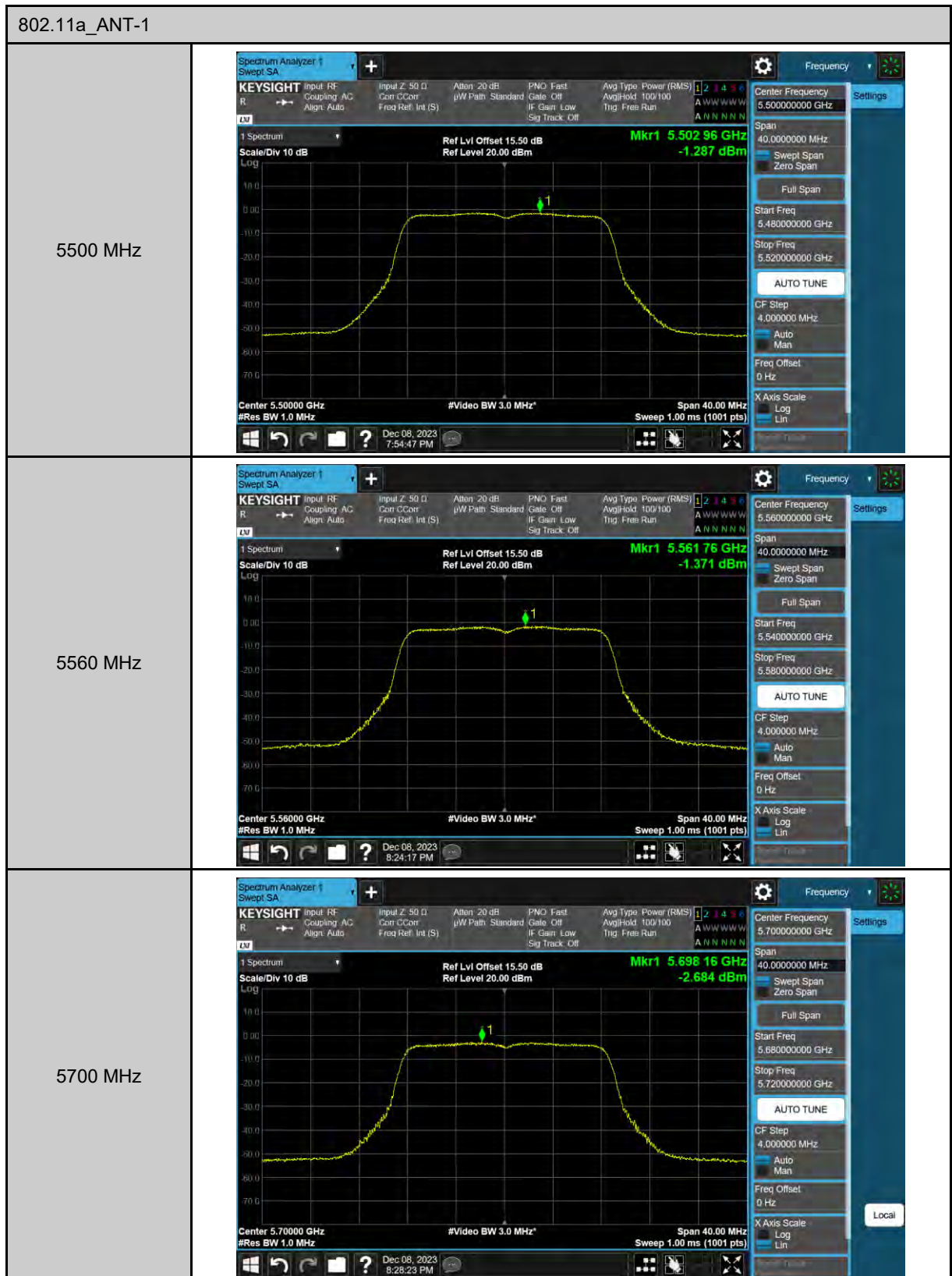


5280 MHz



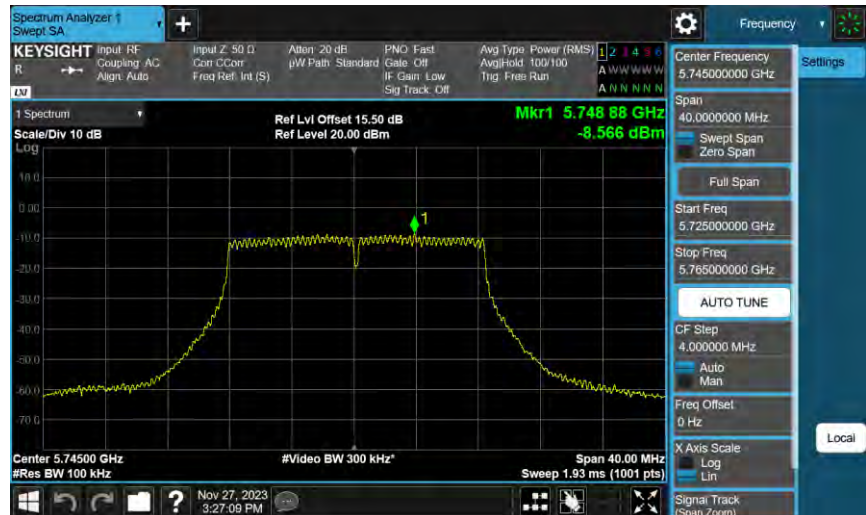
5320 MHz



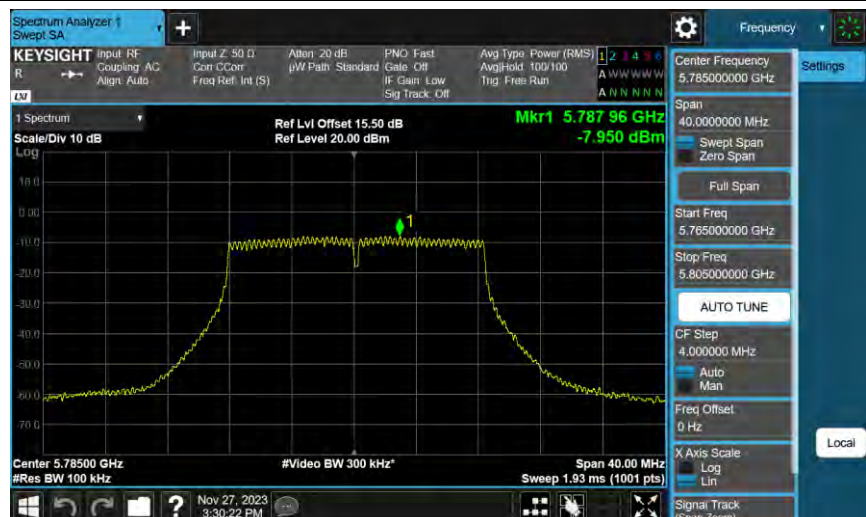


802.11a_ANT-1

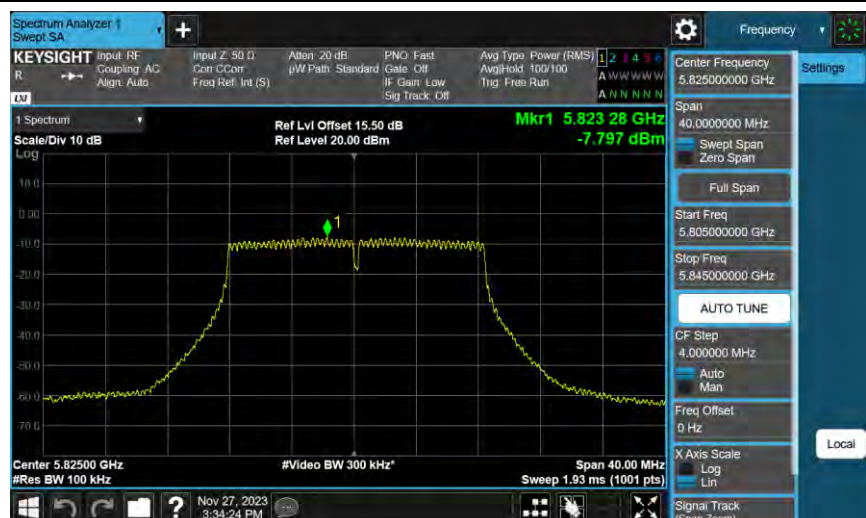
5745 MHz



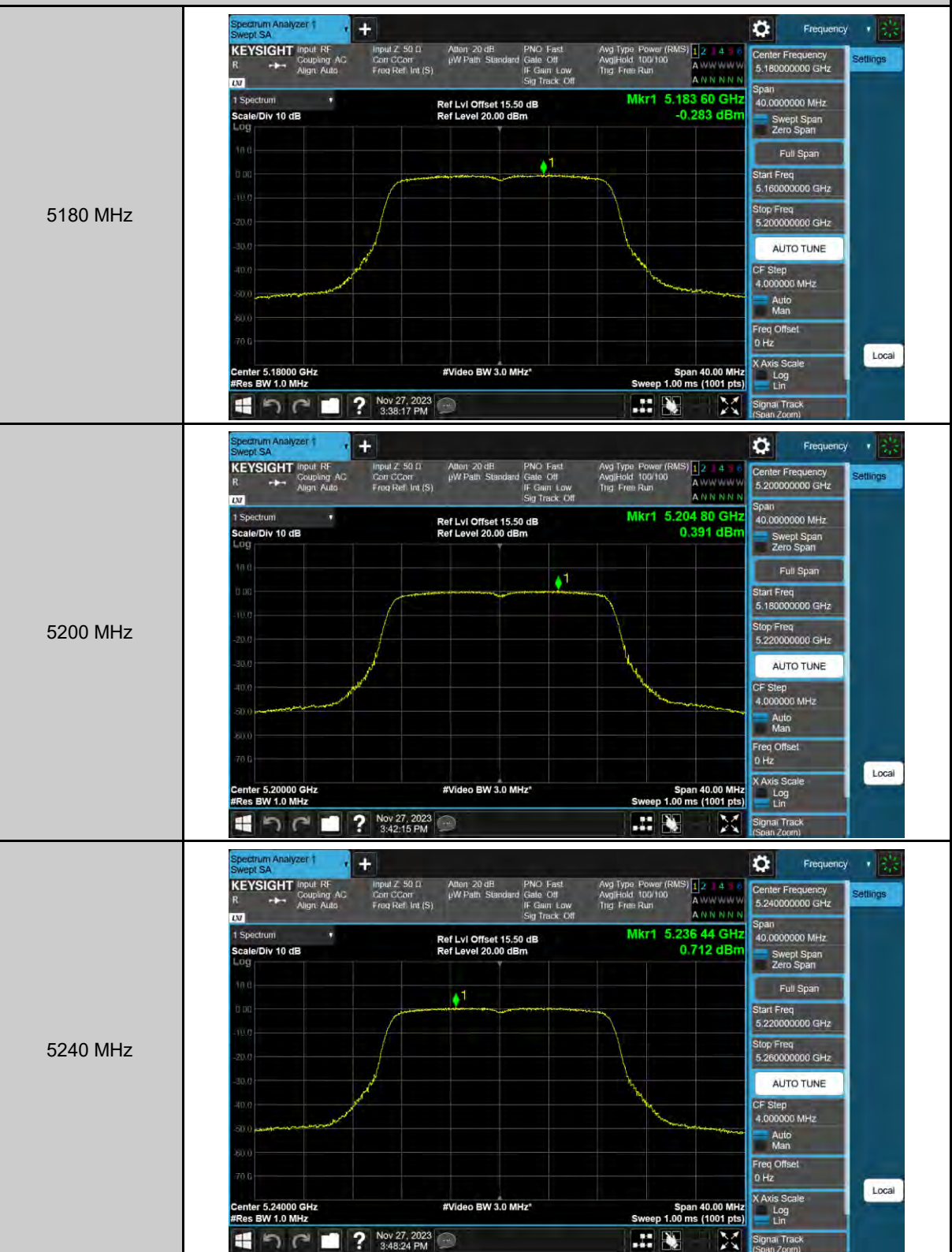
5785 MHz



5825 MHz



802.11n HT20_ANT-1



802.11n HT20_ANT-1

5260 MHz



5280 MHz



5320 MHz

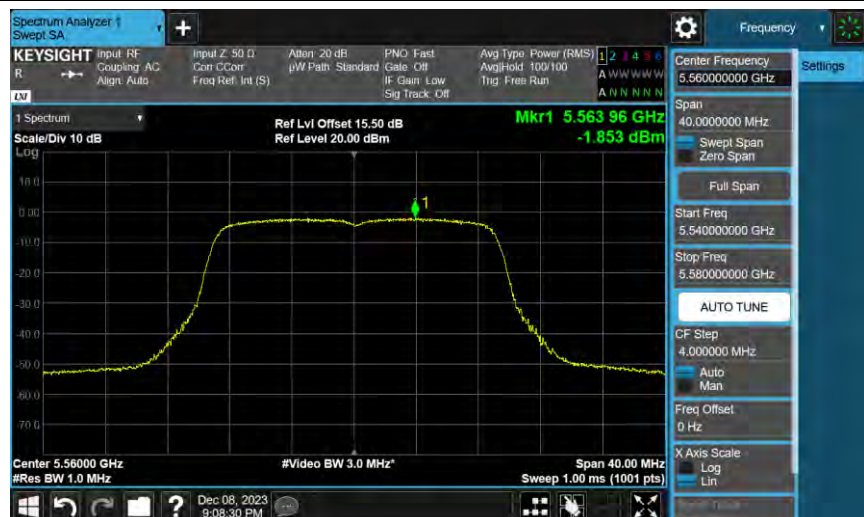


802.11n HT20_ANT-1

5500 MHz



5560 MHz

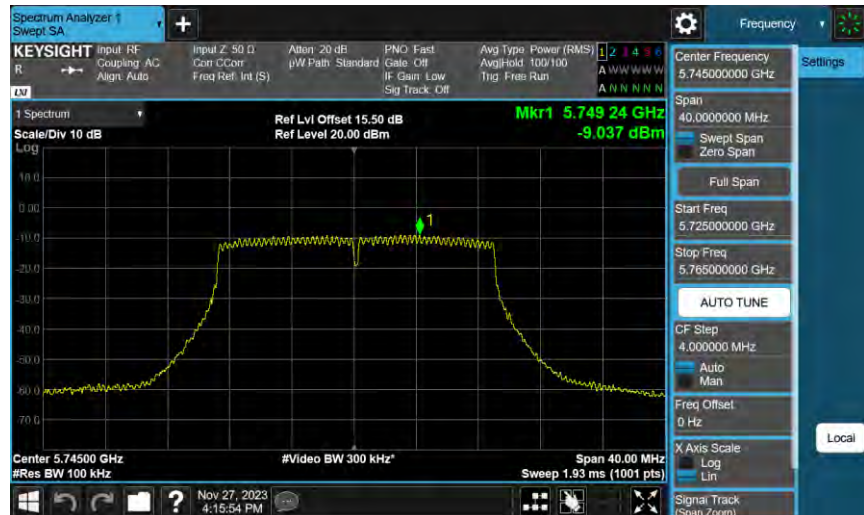


5700 MHz

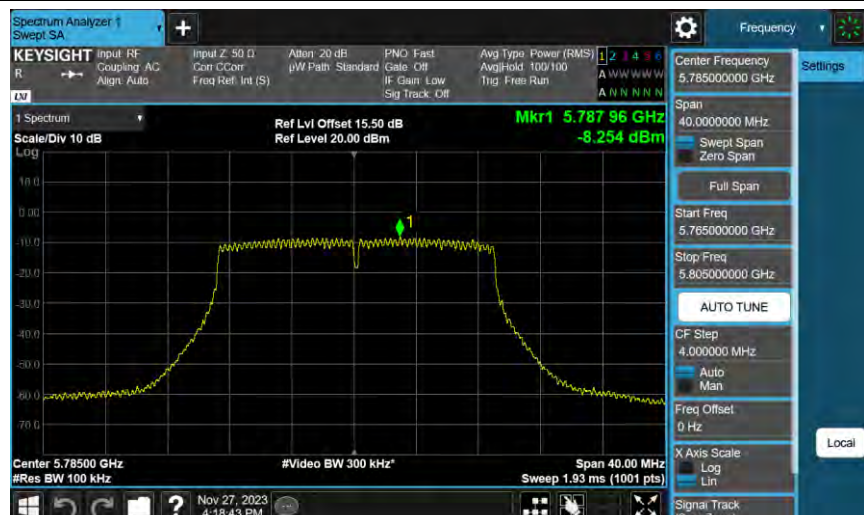


802.11n HT20_ANT-1

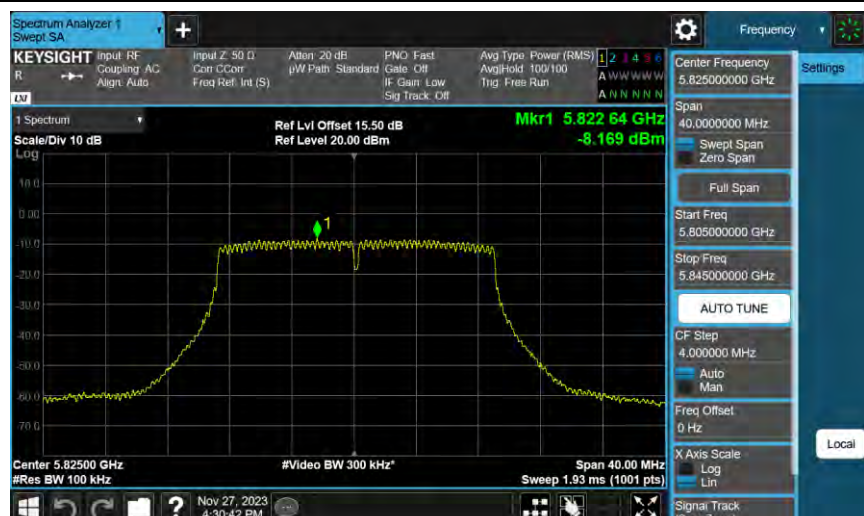
5745 MHz



5785 MHz



5825 MHz



802.11n HT40_ANT-1

5190 MHz



5230 MHz

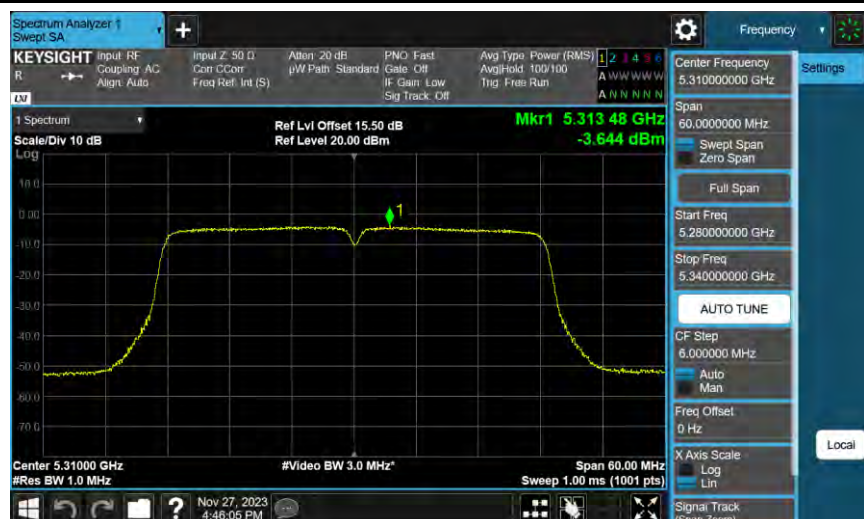


802.11n HT40_ANT-1

5270 MHz

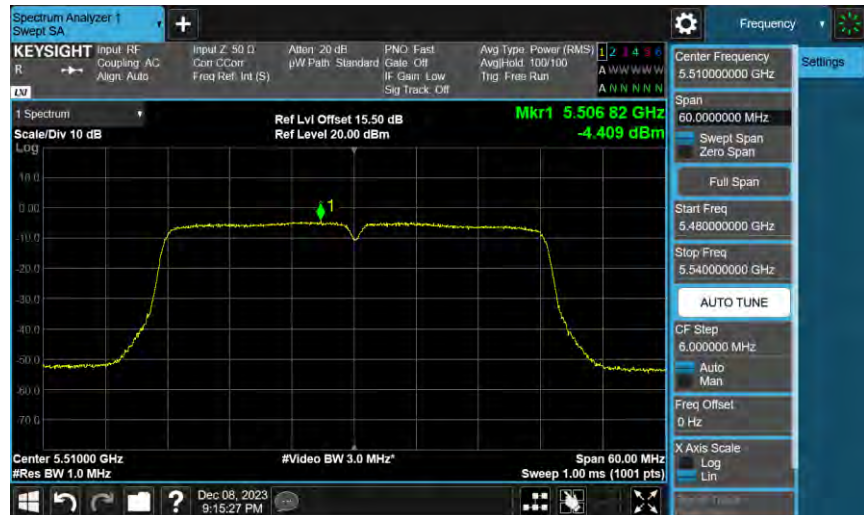


5310 MHz



802.11n HT40_ANT-1

5510 MHz



5550 MHz

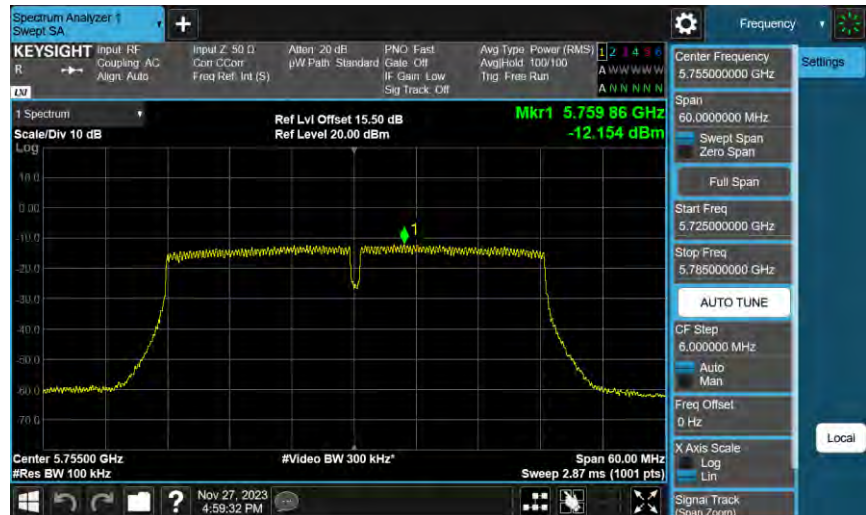


5670 MHz



802.11n HT40_ANT-1

5755 MHz



5795 MHz



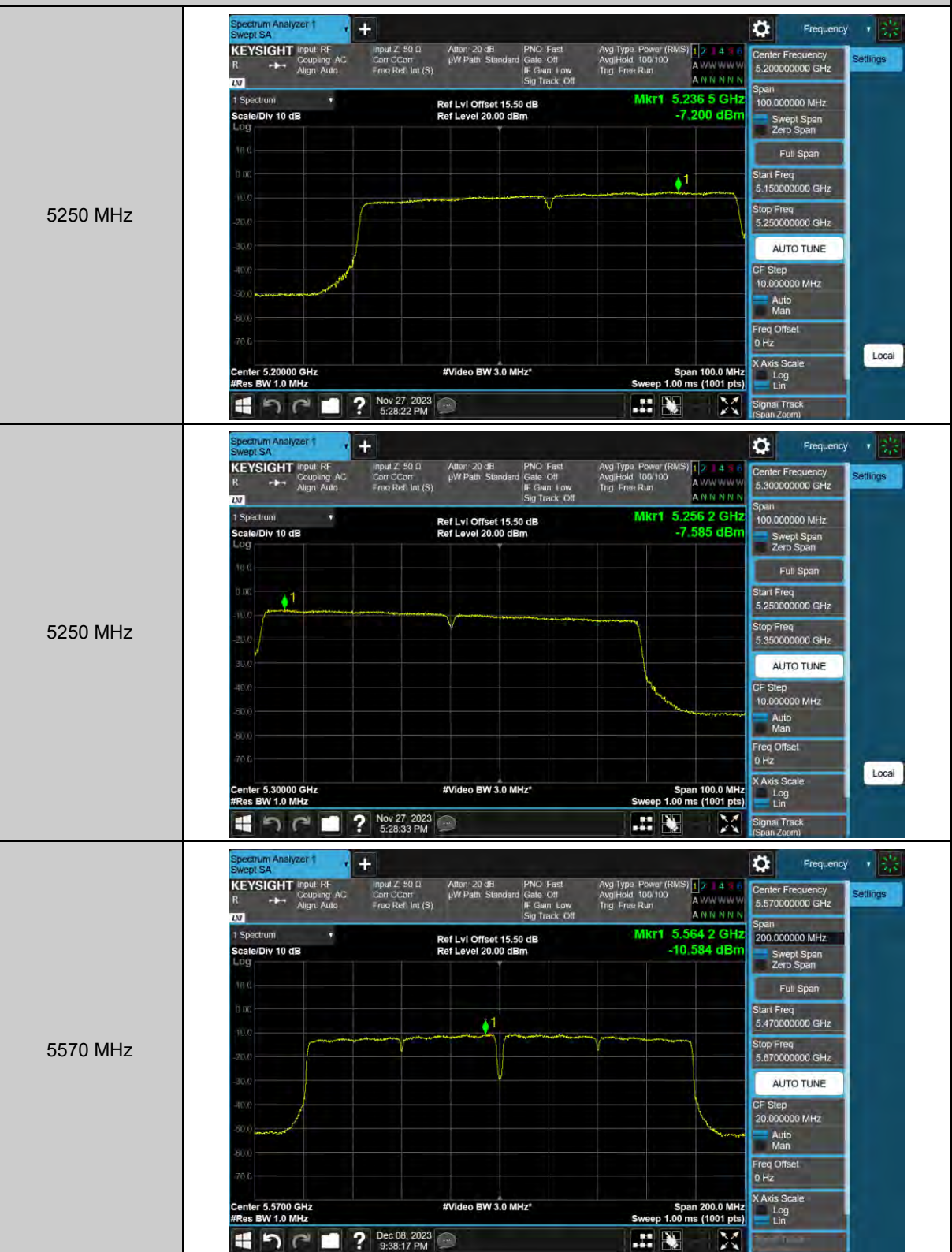


802.11ac VHT80_ANT-1

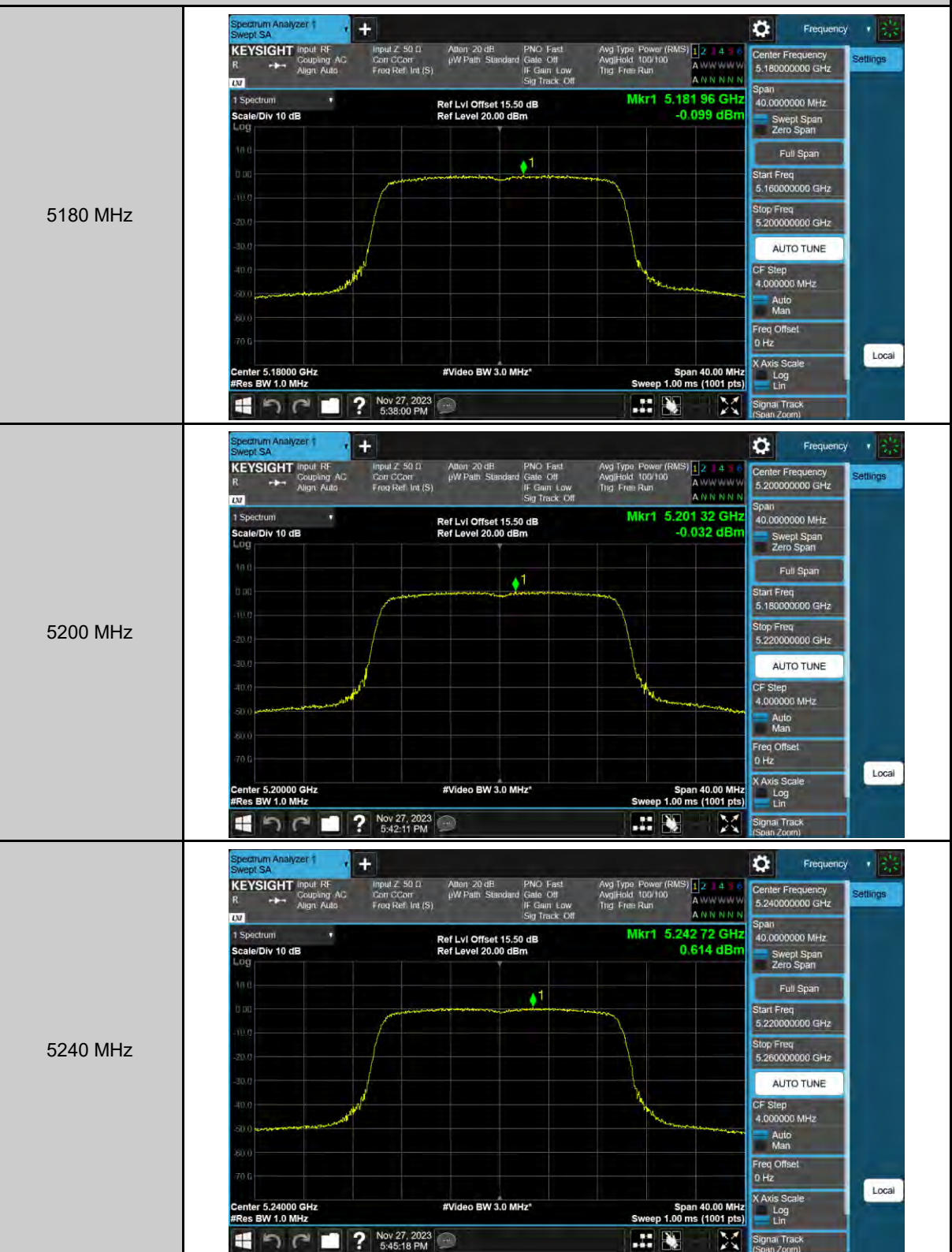




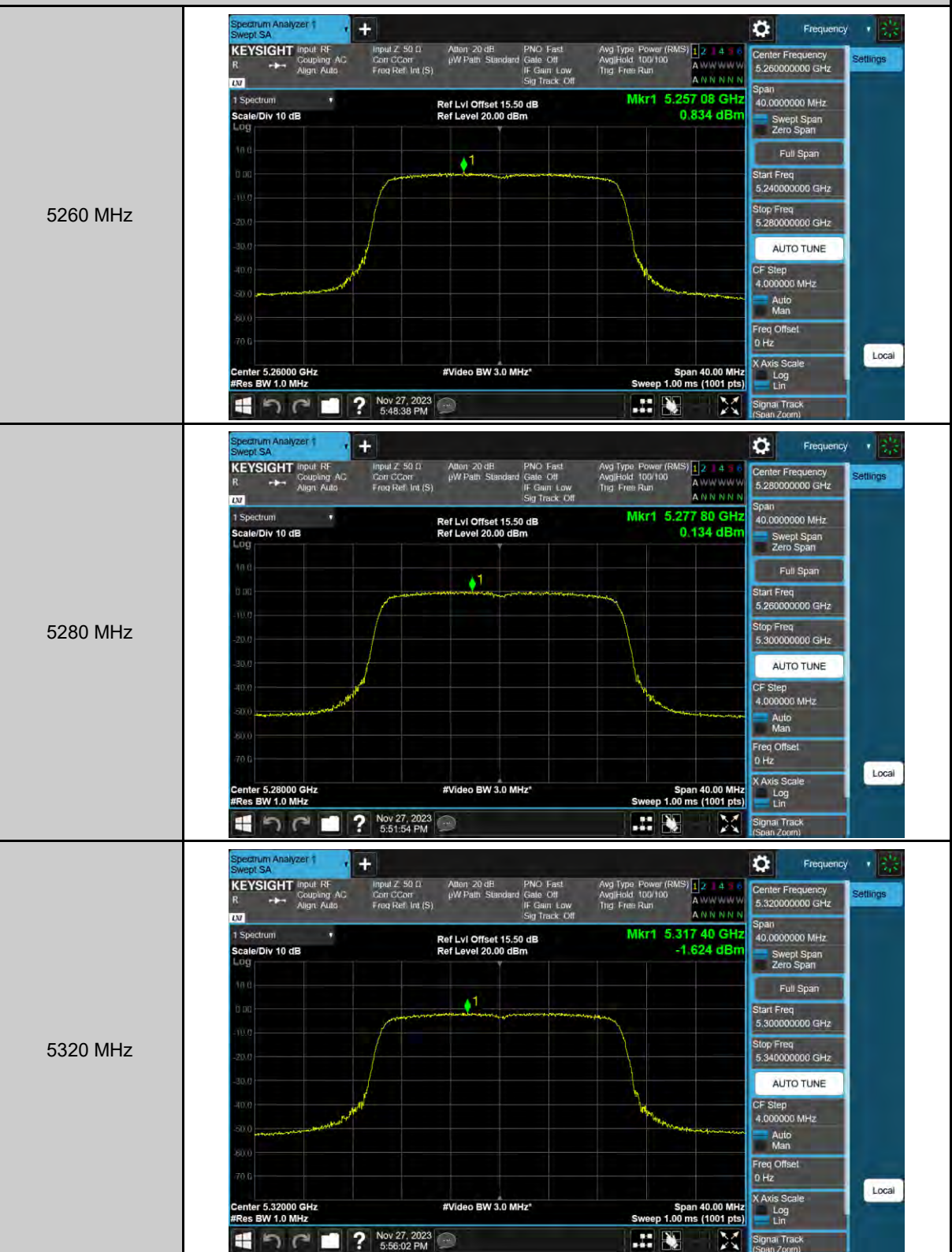
802.11ac VHT160_ANT-1



802.11ax HE20_ANT-1



802.11ax HE20_ANT-1



802.11ax HE20_ANT-1

5500 MHz



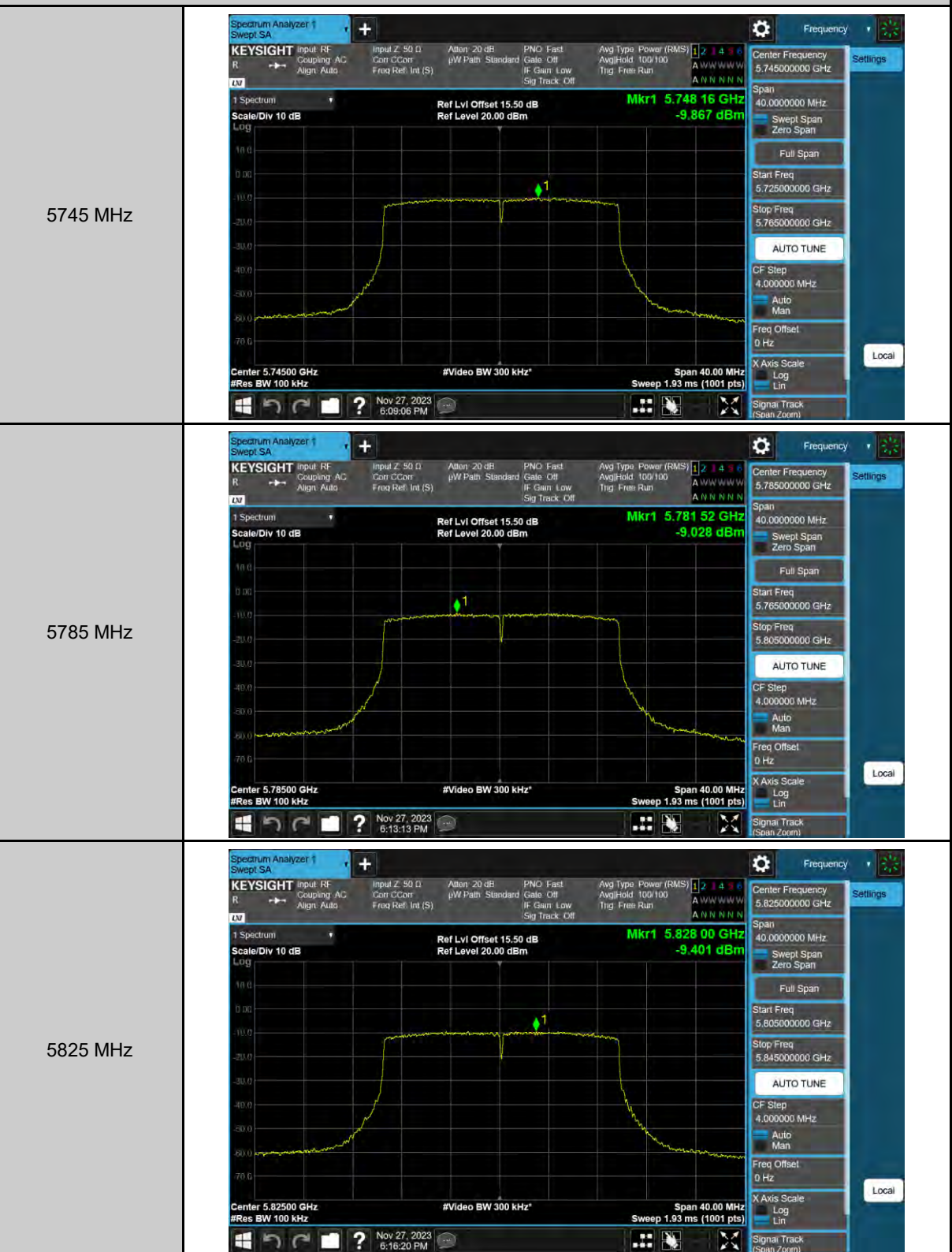
5560 MHz



5700 MHz



802.11ax HE20_ANT-1



802.11ax HE40_ANT-1



802.11ax HE40_ANT-1



802.11ax HE40_ANT-1

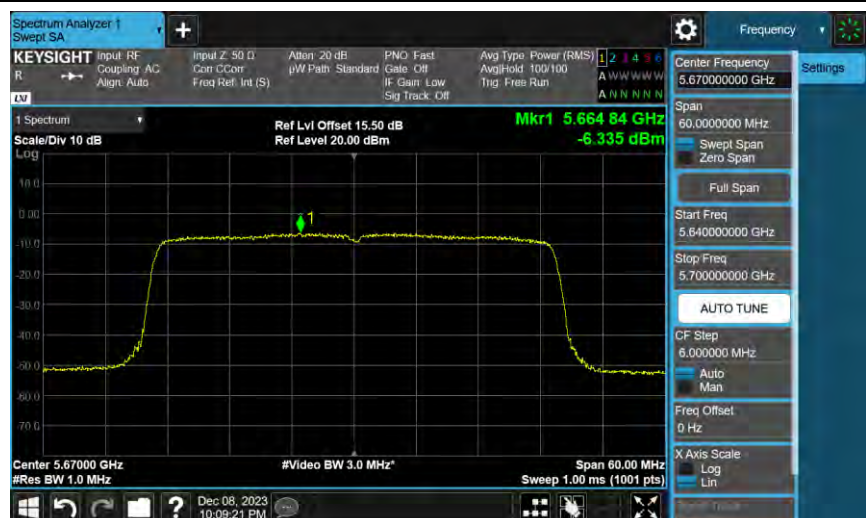
5510 MHz



5550 MHz

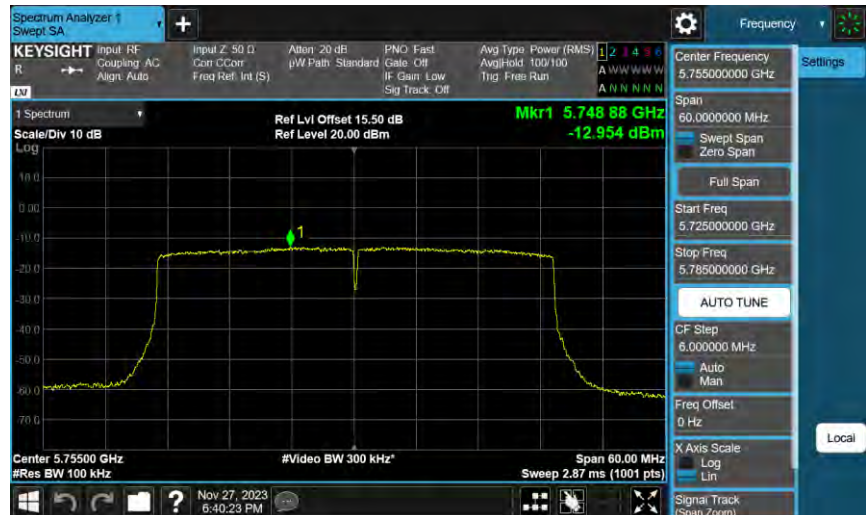


5670 MHz

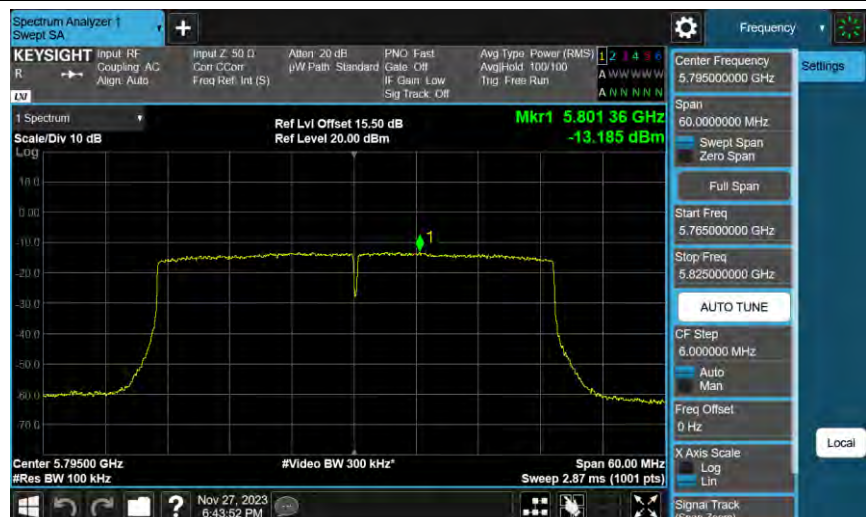


802.11ax HE40_ANT-1

5755 MHz



5795 MHz



802.11ax HE80_ANT-1

5210 MHz



5290 MHz

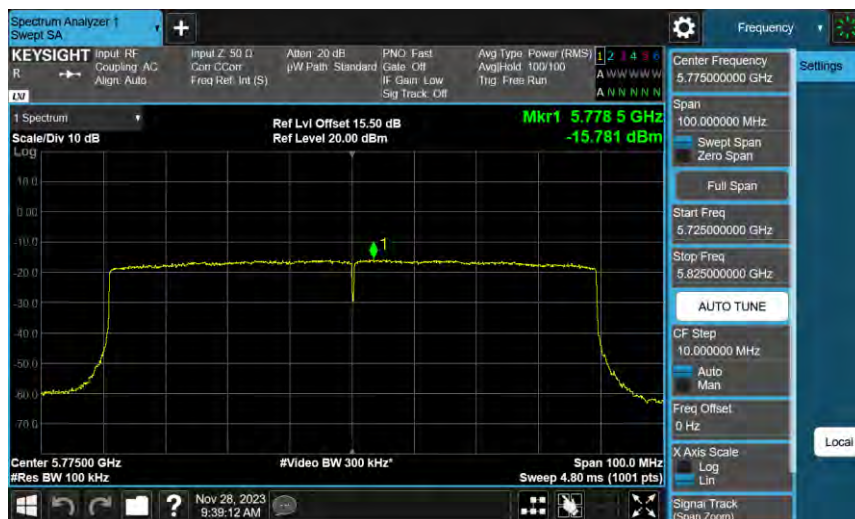


802.11ax HE80_ANT-1



802.11ax HE80_ANT-1

5775 MHz



802.11ax HE160_ANT-1

5250 MHz



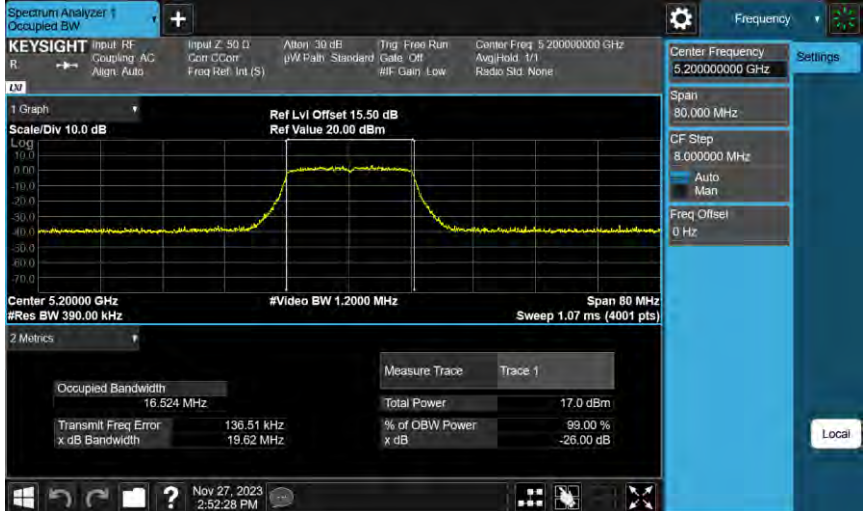
5250 MHz

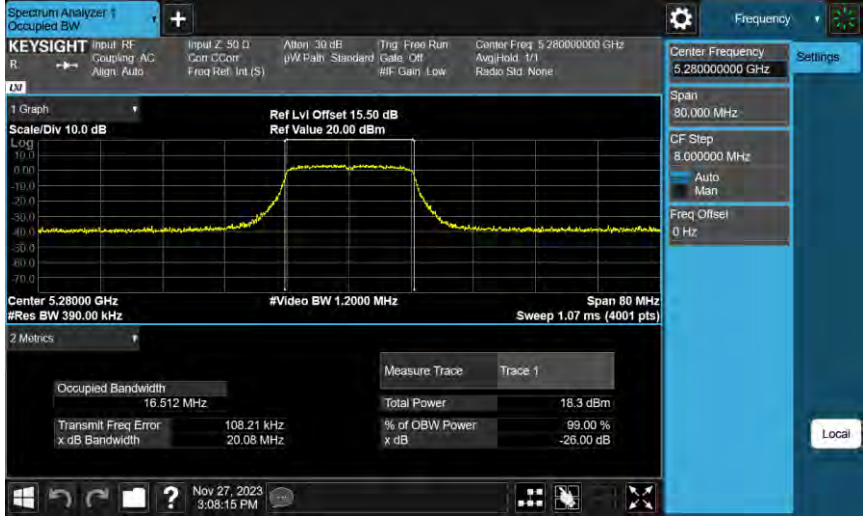


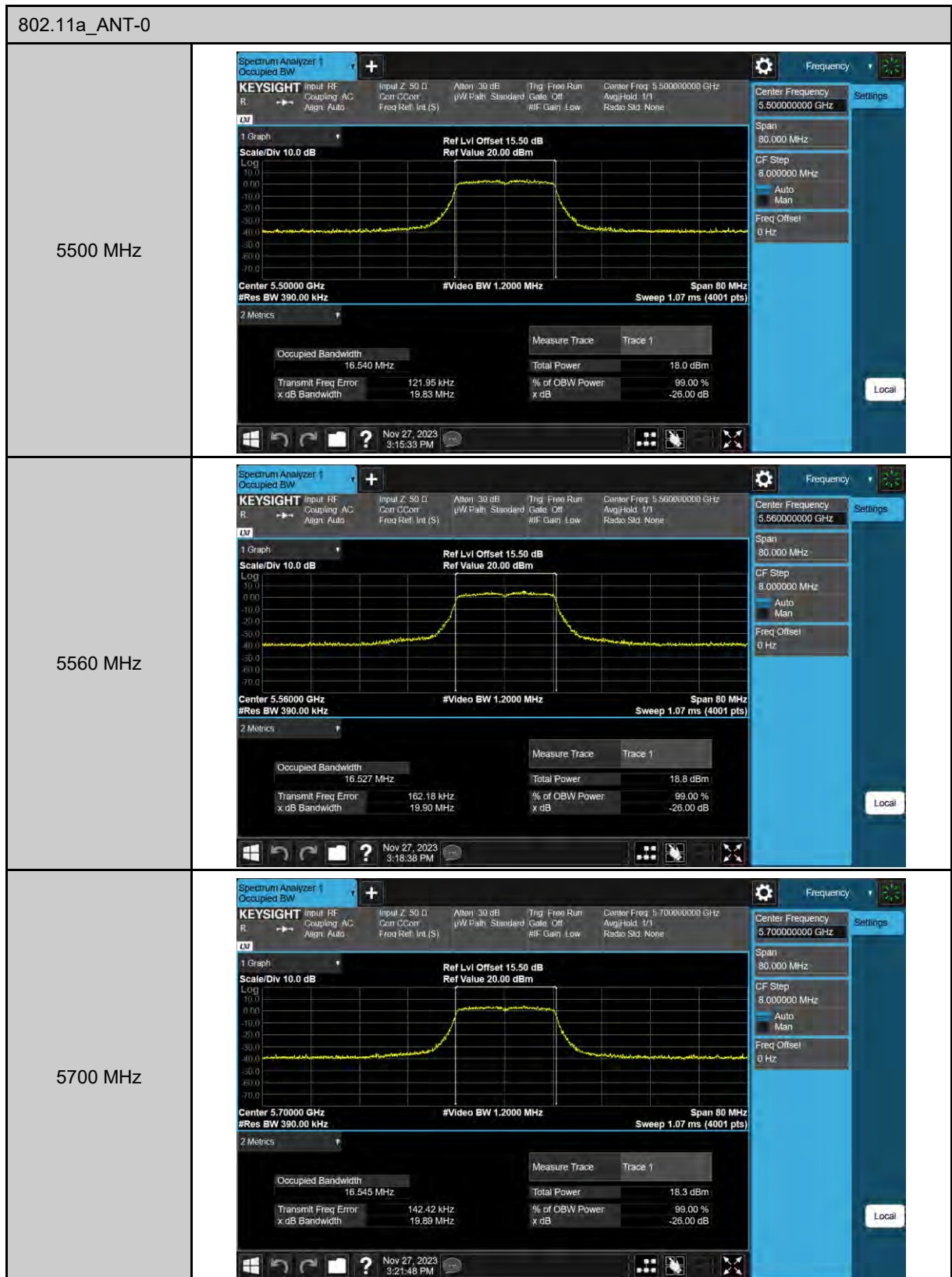
5570 MHz



26 dB Bandwidth & 99% Occupied Bandwidth

802.11a_ANT-0 5180 MHz	
5200 MHz	
5240 MHz	

802.11a_ANT-0 5260 MHz	
5280 MHz	
5320 MHz	





802.11n HT20_ANT-0

5260 MHz



5280 MHz



5320 MHz

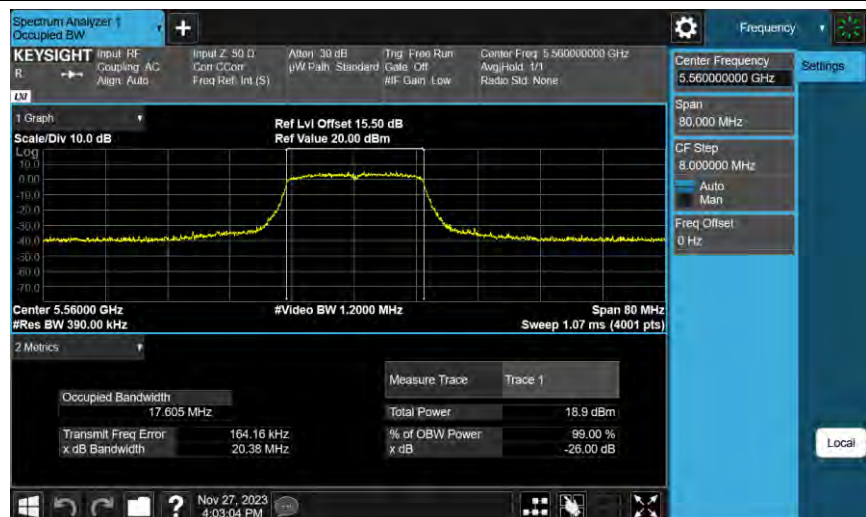


802.11n HT20_ANT-0

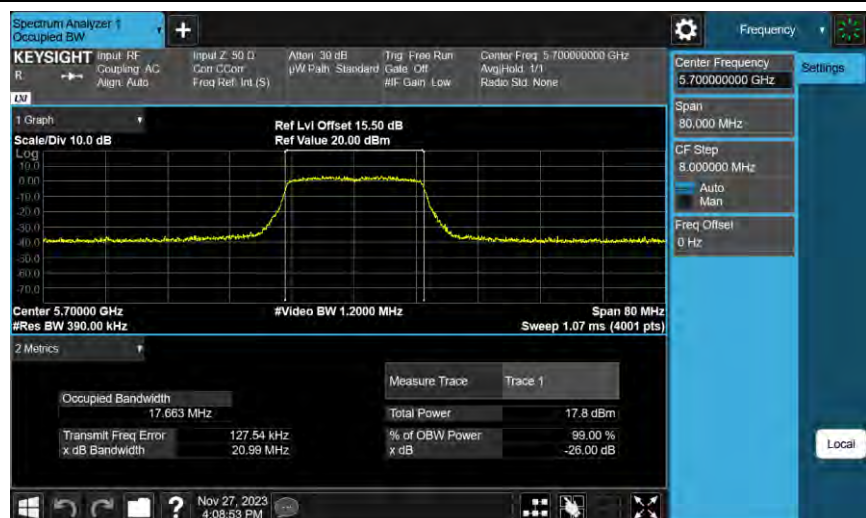
5500 MHz



5560 MHz



5700 MHz



802.11n HT40_ANT-0

5190 MHz



5230 MHz



5270 MHz



802.11n HT40_ANT-0

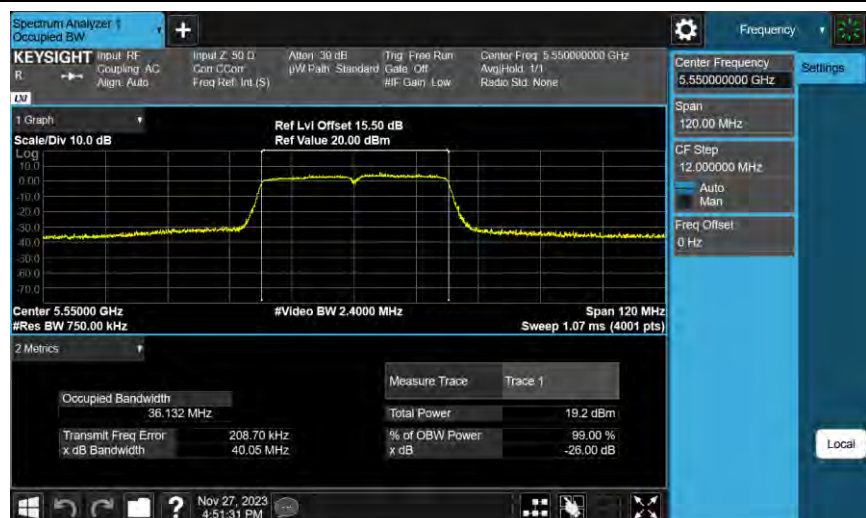
5310 MHz



5510 MHz



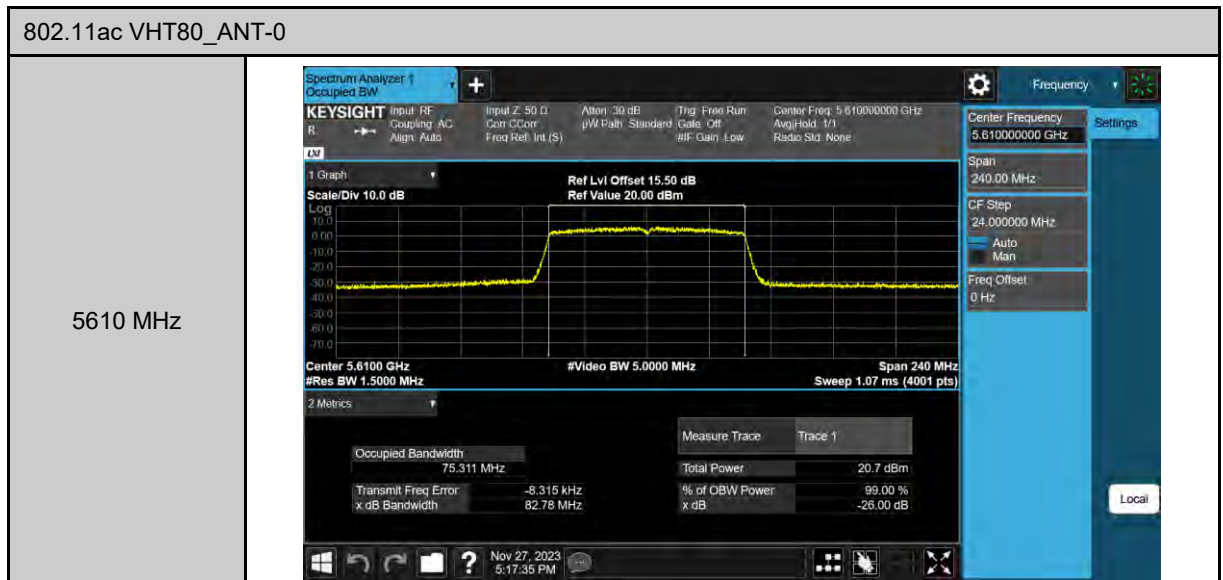
5550 MHz





802.11ac VHT80_ANT-0

5210 MHz	 Center Frequency: 5.210000000 GHz Span: 240.00 MHz CF Step: 24.0000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 75.379 MHz Transmit Freq Error: 193.15 kHz x dB Bandwidth: 82.77 MHz Total Power: 19.9 dBm % of OBW Power: 99.00 % x dB: -26.00 dB
5290 MHz	 Center Frequency: 5.290000000 GHz Span: 240.00 MHz CF Step: 24.0000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 75.532 MHz Transmit Freq Error: -148.32 kHz x dB Bandwidth: 82.77 MHz Total Power: 19.7 dBm % of OBW Power: 99.00 % x dB: -26.00 dB
5530 MHz	 Center Frequency: 5.530000000 GHz Span: 240.00 MHz CF Step: 24.0000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 75.753 MHz Transmit Freq Error: 79.485 kHz x dB Bandwidth: 83.53 MHz Total Power: 19.5 dBm % of OBW Power: 99.00 % x dB: -26.00 dB



802.11ac VHT160_ANT-0

5250 MHz	 Keysight Spectrum Analyzer 1 Occupied BW Center Frequency: 5.13000000 GHz Span: 240.00 MHz CF Step: 24.000000 MHz Freq Offset: 0 Hz Ref Lvl Offset: 15.50 dB Ref Value: 20.00 dBm Scale/Div: 10.0 dB Center: 5.1300 GHz #Res BW: 1.5000 MHz #Video BW: 5.0000 MHz Span: 240 MHz Sweep: 1.07 ms (4001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>76.373 MHz</td><td>Total Power</td><td>18.0 dBm</td></tr><tr><td>Transmit Freq Error</td><td>80.552 MHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>81.99 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Nov 27, 2023 5:25:12 PM	Occupied Bandwidth	76.373 MHz	Total Power	18.0 dBm	Transmit Freq Error	80.552 MHz	% of OBW Power	99.00 %	x dB Bandwidth	81.99 MHz	x dB	-26.00 dB
Occupied Bandwidth	76.373 MHz	Total Power	18.0 dBm										
Transmit Freq Error	80.552 MHz	% of OBW Power	99.00 %										
x dB Bandwidth	81.99 MHz	x dB	-26.00 dB										
5250 MHz	 Keysight Spectrum Analyzer 1 Occupied BW Center Frequency: 5.37000000 GHz Span: 240.00 MHz CF Step: 24.000000 MHz Freq Offset: 0 Hz Ref Lvl Offset: 15.50 dB Ref Value: 20.00 dBm Scale/Div: 10.0 dB Center: 5.3700 GHz #Res BW: 1.5000 MHz #Video BW: 5.0000 MHz Span: 240 MHz Sweep: 1.07 ms (4001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>76.628 MHz</td><td>Total Power</td><td>17.2 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-80.528 MHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>81.82 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Nov 27, 2023 5:25:38 PM	Occupied Bandwidth	76.628 MHz	Total Power	17.2 dBm	Transmit Freq Error	-80.528 MHz	% of OBW Power	99.00 %	x dB Bandwidth	81.82 MHz	x dB	-26.00 dB
Occupied Bandwidth	76.628 MHz	Total Power	17.2 dBm										
Transmit Freq Error	-80.528 MHz	% of OBW Power	99.00 %										
x dB Bandwidth	81.82 MHz	x dB	-26.00 dB										
5570 MHz	 Keysight Spectrum Analyzer 1 Occupied BW Center Frequency: 5.57000000 GHz Span: 480.00 MHz CF Step: 48.000000 MHz Freq Offset: 0 Hz Ref Lvl Offset: 15.50 dB Ref Value: 20.00 dBm Scale/Div: 10.0 dB Center: 5.5700 GHz #Res BW: 2.4000 MHz #Video BW: 8.0000 MHz Span: 480 MHz Sweep: 1.07 ms (4001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>154.47 MHz</td><td>Total Power</td><td>21.0 dBm</td></tr><tr><td>Transmit Freq Error</td><td>23.351 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>165.7 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Nov 27, 2023 5:30:40 PM	Occupied Bandwidth	154.47 MHz	Total Power	21.0 dBm	Transmit Freq Error	23.351 kHz	% of OBW Power	99.00 %	x dB Bandwidth	165.7 MHz	x dB	-26.00 dB
Occupied Bandwidth	154.47 MHz	Total Power	21.0 dBm										
Transmit Freq Error	23.351 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	165.7 MHz	x dB	-26.00 dB										