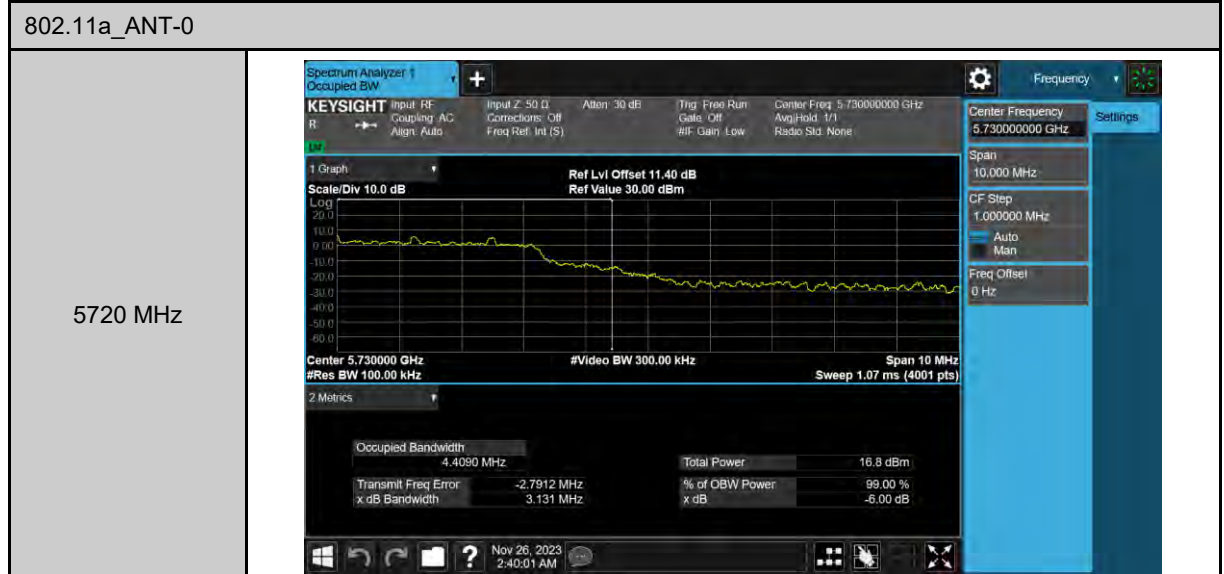
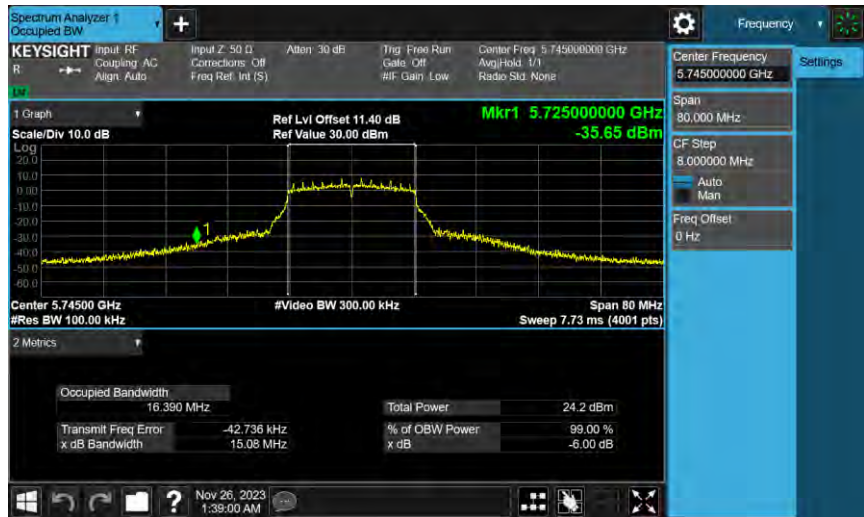
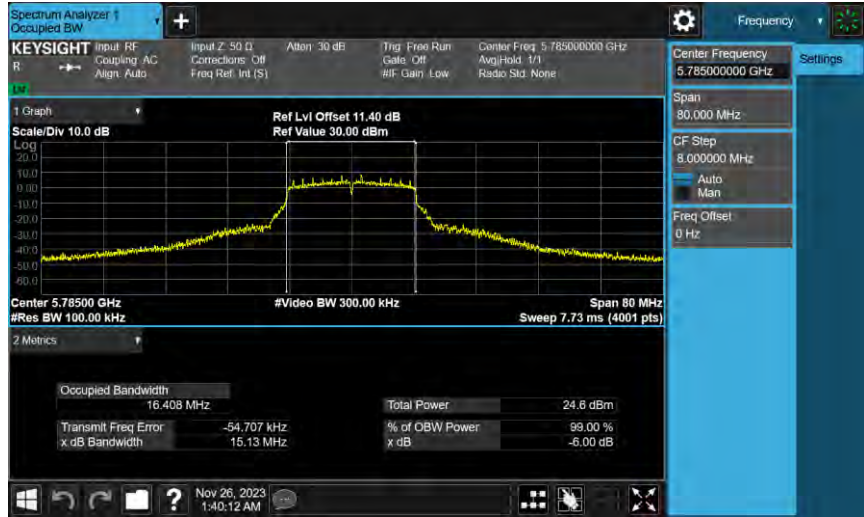
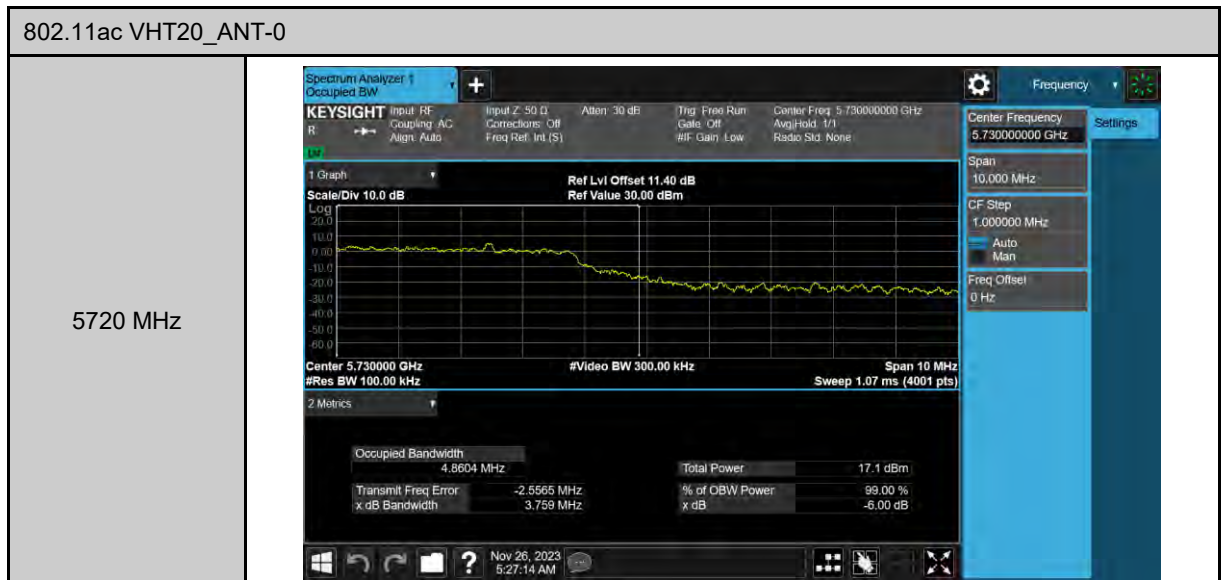


6 dB Bandwidth



802.11a_ANT-0													
5745 MHz	 Center Frequency: 5.745000000 GHz Span: 80.000 MHz CF Step: 8.0000000 MHz Freq Offset: 0 Hz Center 5.7450 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 80 MHz Sweep 7.73 ms (4001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>16.390 MHz</td><td>Total Power</td><td>24.2 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-42.736 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>15.08 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table>	Occupied Bandwidth	16.390 MHz	Total Power	24.2 dBm	Transmit Freq Error	-42.736 kHz	% of OBW Power	99.00 %	x dB Bandwidth	15.08 MHz	x dB	-6.00 dB
Occupied Bandwidth	16.390 MHz	Total Power	24.2 dBm										
Transmit Freq Error	-42.736 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	15.08 MHz	x dB	-6.00 dB										
5785 MHz	 Center Frequency: 5.785000000 GHz Span: 80.000 MHz CF Step: 8.0000000 MHz Freq Offset: 0 Hz Center 5.7850 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 80 MHz Sweep 7.73 ms (4001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>16.408 MHz</td><td>Total Power</td><td>24.6 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-54.707 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>15.13 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table>	Occupied Bandwidth	16.408 MHz	Total Power	24.6 dBm	Transmit Freq Error	-54.707 kHz	% of OBW Power	99.00 %	x dB Bandwidth	15.13 MHz	x dB	-6.00 dB
Occupied Bandwidth	16.408 MHz	Total Power	24.6 dBm										
Transmit Freq Error	-54.707 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	15.13 MHz	x dB	-6.00 dB										
5825 MHz	 Center Frequency: 5.825000000 GHz Span: 80.000 MHz CF Step: 8.0000000 MHz Freq Offset: 0 Hz Center 5.8250 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 80 MHz Sweep 7.73 ms (4001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>16.527 MHz</td><td>Total Power</td><td>25.8 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-38.712 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>15.05 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table>	Occupied Bandwidth	16.527 MHz	Total Power	25.8 dBm	Transmit Freq Error	-38.712 kHz	% of OBW Power	99.00 %	x dB Bandwidth	15.05 MHz	x dB	-6.00 dB
Occupied Bandwidth	16.527 MHz	Total Power	25.8 dBm										
Transmit Freq Error	-38.712 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	15.05 MHz	x dB	-6.00 dB										

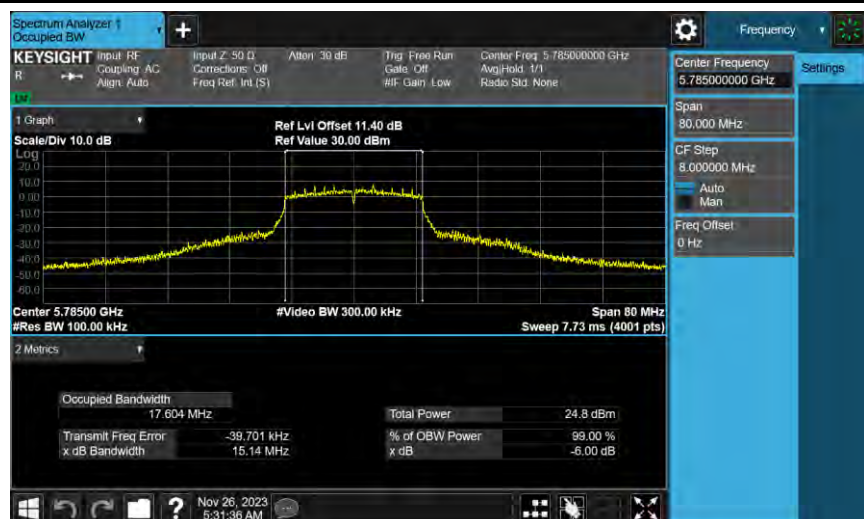


802.11ac VHT20_ANT-0

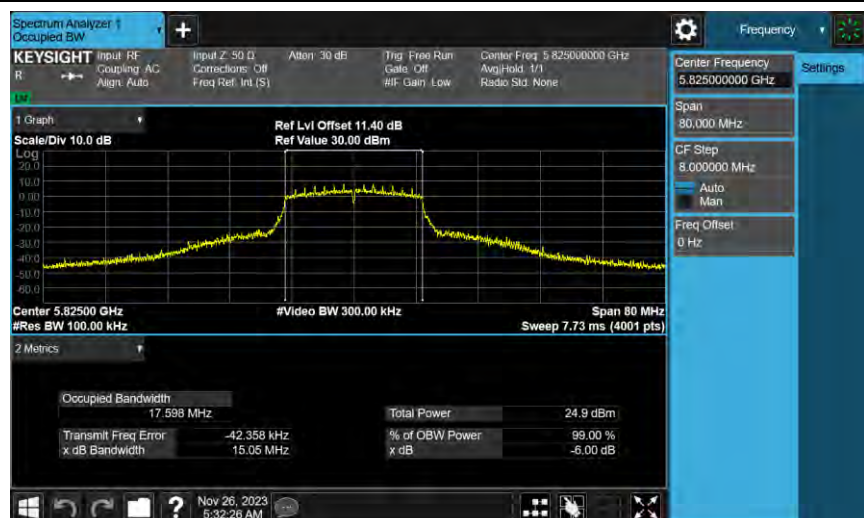
5745 MHz



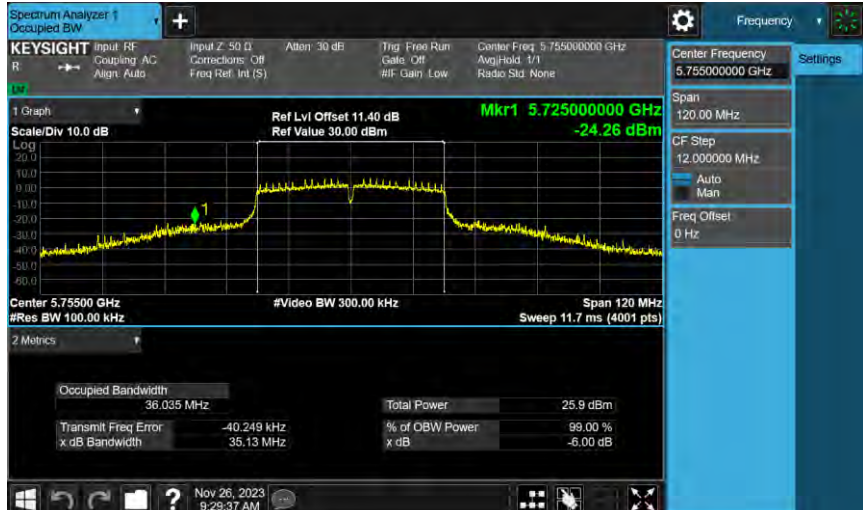
5785 MHz



5825 MHz

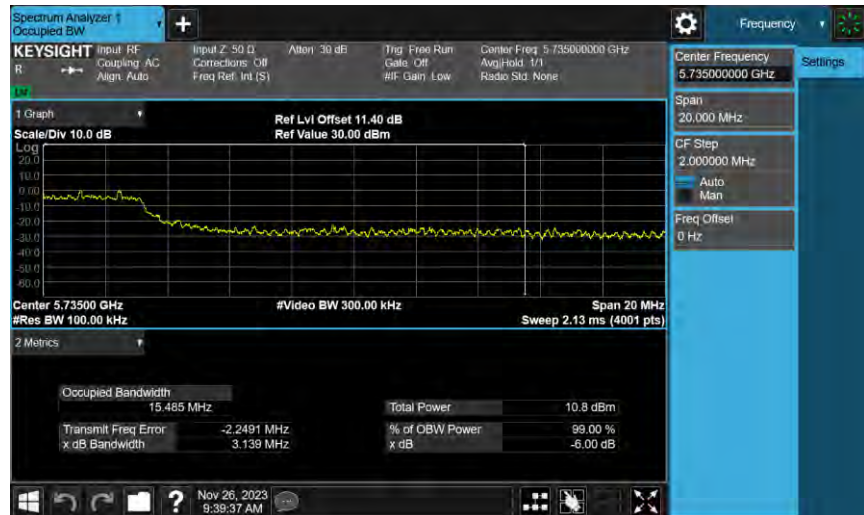


802.11ac VHT40_ANT-0

5710 MHz	 Center 5.730000 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 10 MHz Sweep 1.07 ms (4001 pts) <table><tr><td>Occupied Bandwidth</td><td>6.5584 MHz</td><td>Total Power</td><td>13.1 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-1.7144 MHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>3.125 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table>	Occupied Bandwidth	6.5584 MHz	Total Power	13.1 dBm	Transmit Freq Error	-1.7144 MHz	% of OBW Power	99.00 %	x dB Bandwidth	3.125 MHz	x dB	-6.00 dB
Occupied Bandwidth	6.5584 MHz	Total Power	13.1 dBm										
Transmit Freq Error	-1.7144 MHz	% of OBW Power	99.00 %										
x dB Bandwidth	3.125 MHz	x dB	-6.00 dB										
5755 MHz	 Center 5.755000 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 120 MHz Sweep 11.7 ms (4001 pts) <table><tr><td>Occupied Bandwidth</td><td>36.035 MHz</td><td>Total Power</td><td>25.9 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-40.249 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>35.13 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table>	Occupied Bandwidth	36.035 MHz	Total Power	25.9 dBm	Transmit Freq Error	-40.249 kHz	% of OBW Power	99.00 %	x dB Bandwidth	35.13 MHz	x dB	-6.00 dB
Occupied Bandwidth	36.035 MHz	Total Power	25.9 dBm										
Transmit Freq Error	-40.249 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	35.13 MHz	x dB	-6.00 dB										
5795 MHz	 Center 5.795000 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 120 MHz Sweep 11.7 ms (4001 pts) <table><tr><td>Occupied Bandwidth</td><td>36.010 MHz</td><td>Total Power</td><td>25.5 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-39.997 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>35.12 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table>	Occupied Bandwidth	36.010 MHz	Total Power	25.5 dBm	Transmit Freq Error	-39.997 kHz	% of OBW Power	99.00 %	x dB Bandwidth	35.12 MHz	x dB	-6.00 dB
Occupied Bandwidth	36.010 MHz	Total Power	25.5 dBm										
Transmit Freq Error	-39.997 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	35.12 MHz	x dB	-6.00 dB										

802.11ac VHT80_ANT-0

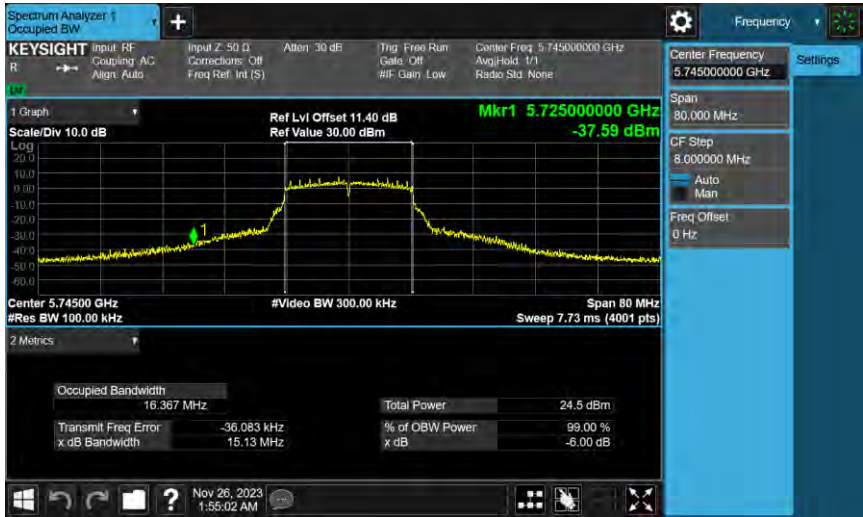
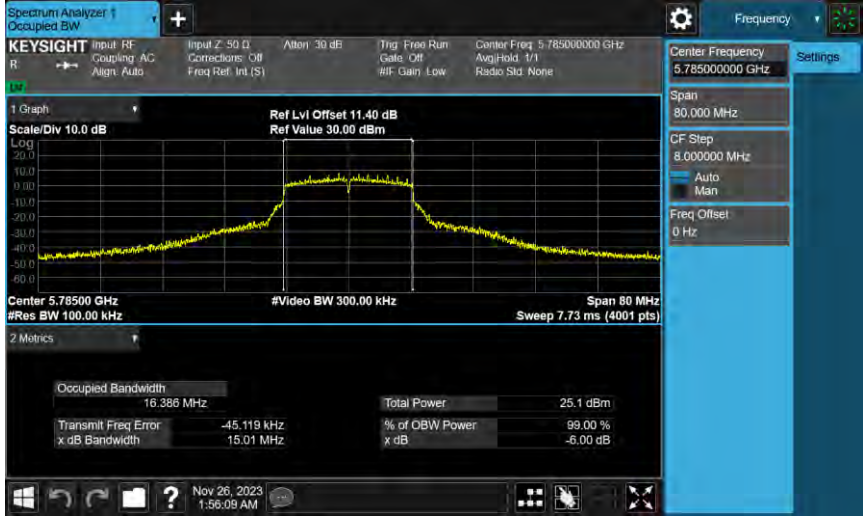
5690 MHz

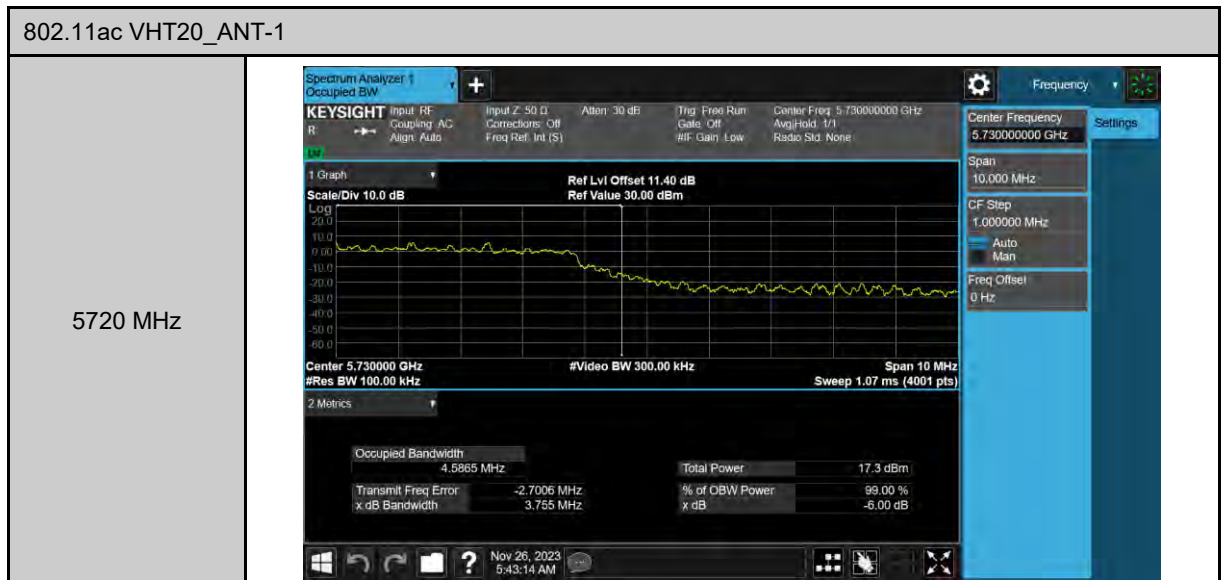


5775 MHz





802.11a_ANT-1 5745 MHz	
5785 MHz	
5825 MHz	

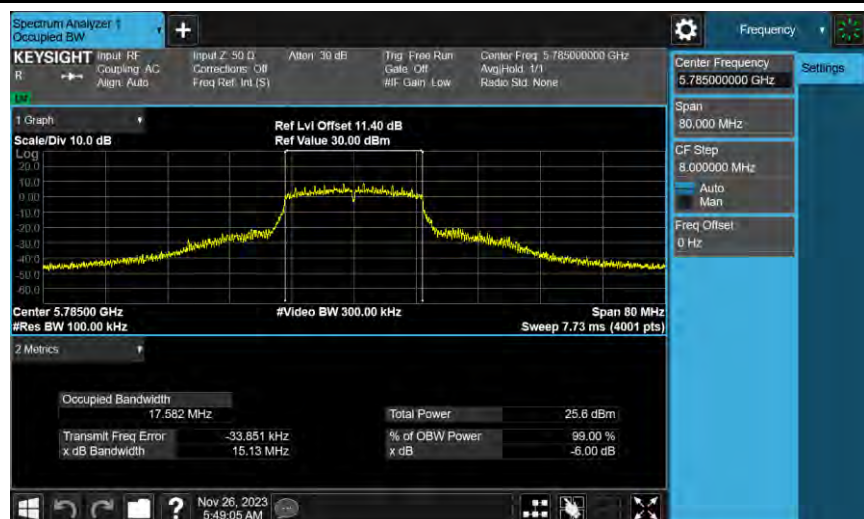


802.11ac VHT20_ANT-1

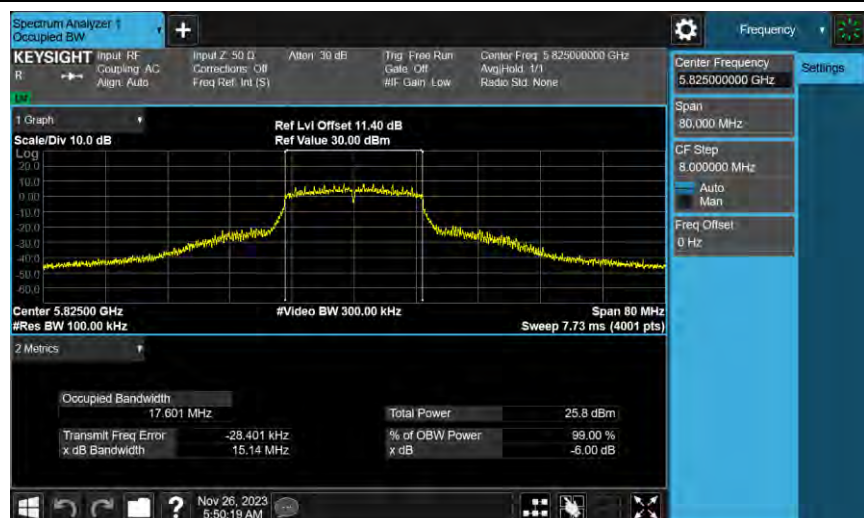
5745 MHz



5785 MHz



5825 MHz



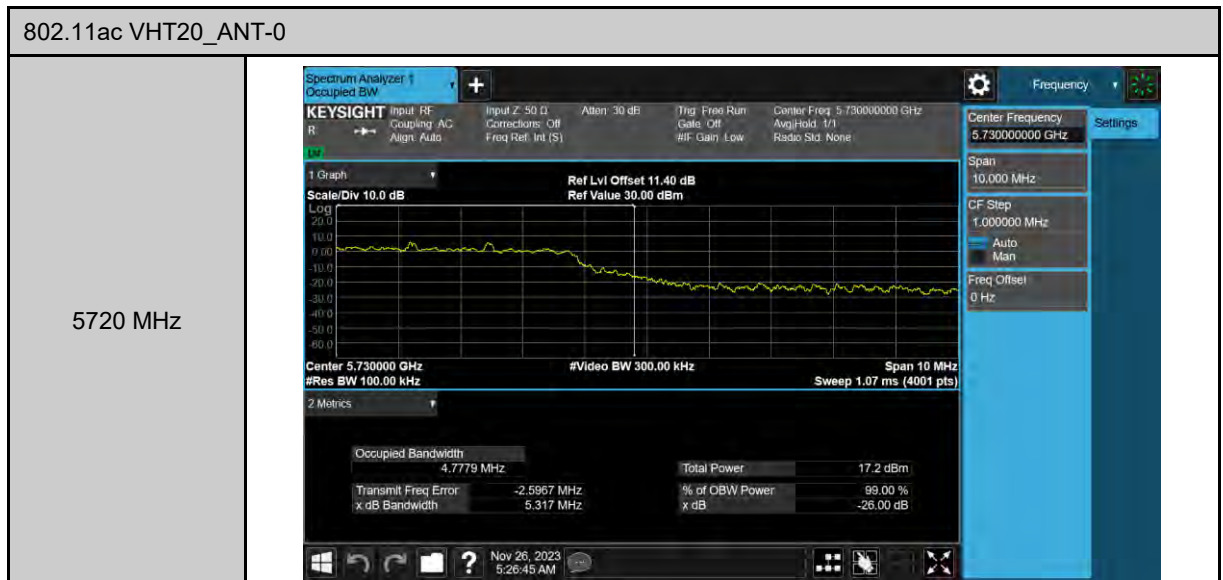
802.11ac VHT40_ANT-1	 5710 MHz
5755 MHz	 5755 MHz
5795 MHz	 5795 MHz



99% Occupied Bandwidth



802.11a_ANT-0	
5745 MHz	 Center Frequency: 5.74500000 GHz Span: 80.000 MHz CF Step: 8.0000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 17.029 MHz Total Power: 23.9 dBm Transmit Freq Error: -26.769 kHz % of OBW Power: 99.00 % x dB Bandwidth: 20.13 MHz x dB: -26.00 dB
5785 MHz	 Center Frequency: 5.78500000 GHz Span: 80.000 MHz CF Step: 8.0000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 17.150 MHz Total Power: 24.4 dBm Transmit Freq Error: -31.199 kHz % of OBW Power: 99.00 % x dB Bandwidth: 23.13 MHz x dB: -26.00 dB
5825 MHz	 Center Frequency: 5.82500000 GHz Span: 80.000 MHz CF Step: 8.0000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 17.374 MHz Total Power: 25.7 dBm Transmit Freq Error: -31.103 kHz % of OBW Power: 99.00 % x dB Bandwidth: 25.94 MHz x dB: -26.00 dB

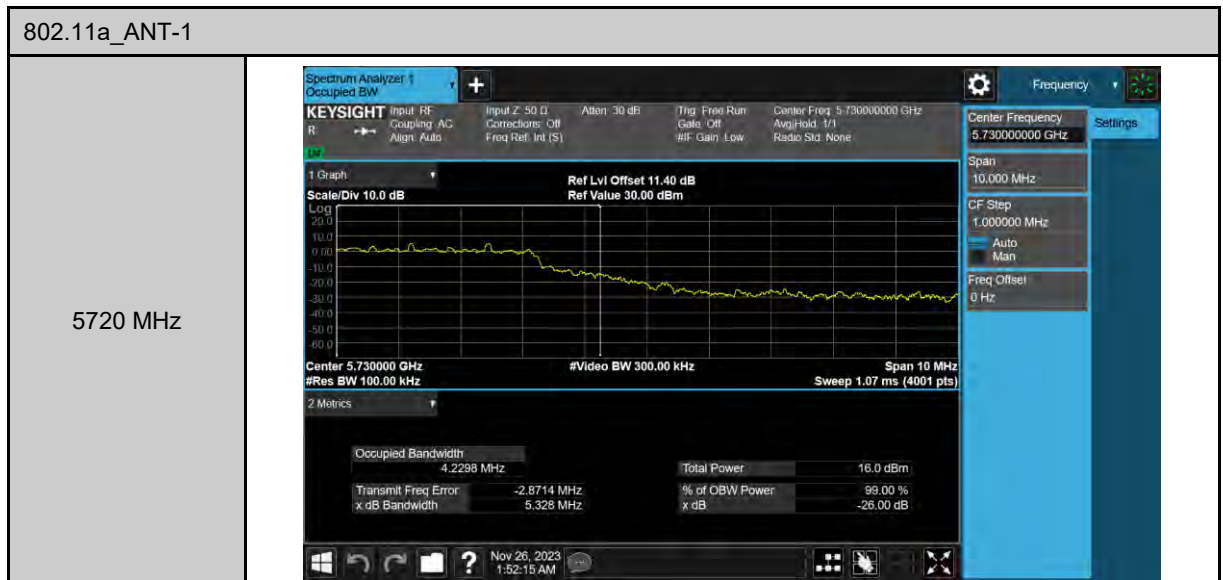


802.11ac VHT20_ANT-0

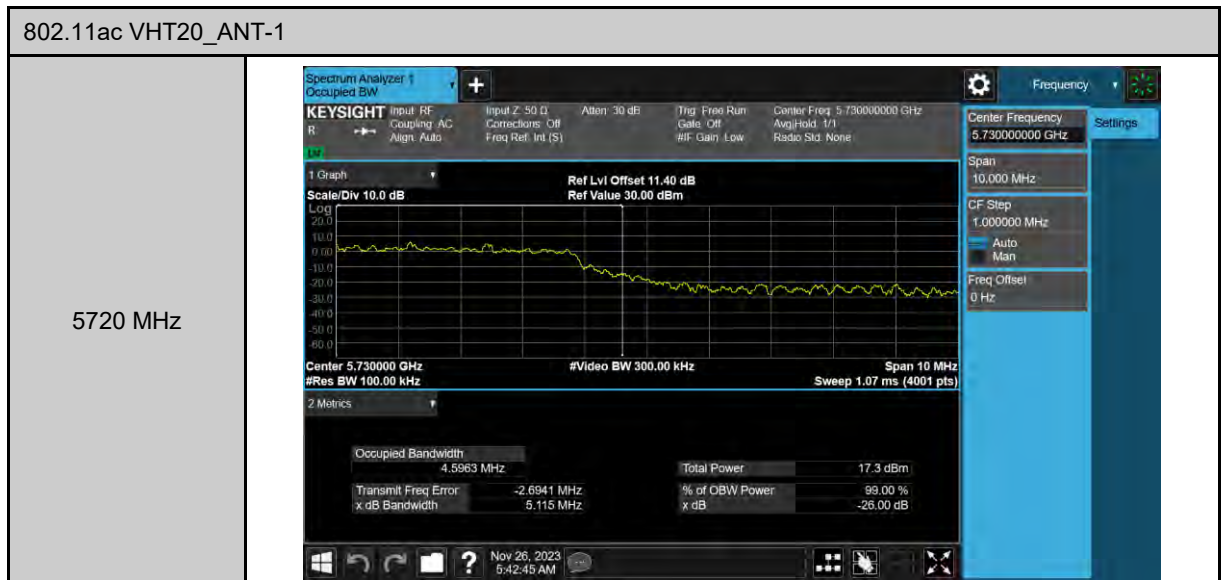
5745 MHz	 Center 5.74500 GHz #Res BW 510.00 kHz #Video BW 1.6000 MHz Span 80 MHz Sweep 1.07 ms (4001 pts) <table><tr><td>Occupied Bandwidth</td><td>18.070 MHz</td><td>Total Power</td><td>24.1 dBm</td></tr><tr><td>Transmit Freq Error</td><td>12.697 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>21.44 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	18.070 MHz	Total Power	24.1 dBm	Transmit Freq Error	12.697 kHz	% of OBW Power	99.00 %	x dB Bandwidth	21.44 MHz	x dB	-26.00 dB
Occupied Bandwidth	18.070 MHz	Total Power	24.1 dBm										
Transmit Freq Error	12.697 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	21.44 MHz	x dB	-26.00 dB										
5785 MHz	 Center 5.78500 GHz #Res BW 510.00 kHz #Video BW 1.6000 MHz Span 80 MHz Sweep 1.07 ms (4001 pts) <table><tr><td>Occupied Bandwidth</td><td>18.137 MHz</td><td>Total Power</td><td>24.6 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-7.348 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>26.16 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	18.137 MHz	Total Power	24.6 dBm	Transmit Freq Error	-7.348 kHz	% of OBW Power	99.00 %	x dB Bandwidth	26.16 MHz	x dB	-26.00 dB
Occupied Bandwidth	18.137 MHz	Total Power	24.6 dBm										
Transmit Freq Error	-7.348 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	26.16 MHz	x dB	-26.00 dB										
5825 MHz	 Center 5.82500 GHz #Res BW 510.00 kHz #Video BW 1.6000 MHz Span 80 MHz Sweep 1.07 ms (4001 pts) <table><tr><td>Occupied Bandwidth</td><td>18.168 MHz</td><td>Total Power</td><td>24.5 dBm</td></tr><tr><td>Transmit Freq Error</td><td>10.369 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>26.39 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	18.168 MHz	Total Power	24.5 dBm	Transmit Freq Error	10.369 kHz	% of OBW Power	99.00 %	x dB Bandwidth	26.39 MHz	x dB	-26.00 dB
Occupied Bandwidth	18.168 MHz	Total Power	24.5 dBm										
Transmit Freq Error	10.369 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	26.39 MHz	x dB	-26.00 dB										

802.11ac VHT40_ANT-0													
5710 MHz	 Center 5.730000 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 10 MHz Sweep 1.07 ms (4001 pts) <table><tr><td>Occupied Bandwidth</td><td>6.6762 MHz</td><td>Total Power</td><td>13.1 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-1.6512 MHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>8.741 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	6.6762 MHz	Total Power	13.1 dBm	Transmit Freq Error	-1.6512 MHz	% of OBW Power	99.00 %	x dB Bandwidth	8.741 MHz	x dB	-26.00 dB
Occupied Bandwidth	6.6762 MHz	Total Power	13.1 dBm										
Transmit Freq Error	-1.6512 MHz	% of OBW Power	99.00 %										
x dB Bandwidth	8.741 MHz	x dB	-26.00 dB										
5755 MHz	 Center 5.755000 GHz #Res BW 1.0000 MHz #Video BW 3.0000 MHz Span 120 MHz Sweep 1.07 ms (4001 pts) <table><tr><td>Occupied Bandwidth</td><td>36.429 MHz</td><td>Total Power</td><td>26.3 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-5.559 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>55.15 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	36.429 MHz	Total Power	26.3 dBm	Transmit Freq Error	-5.559 kHz	% of OBW Power	99.00 %	x dB Bandwidth	55.15 MHz	x dB	-26.00 dB
Occupied Bandwidth	36.429 MHz	Total Power	26.3 dBm										
Transmit Freq Error	-5.559 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	55.15 MHz	x dB	-26.00 dB										
5795 MHz	 Center 5.795000 GHz #Res BW 1.0000 MHz #Video BW 3.0000 MHz Span 120 MHz Sweep 1.07 ms (4001 pts) <table><tr><td>Occupied Bandwidth</td><td>36.476 MHz</td><td>Total Power</td><td>25.9 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-46.994 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>49.78 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	36.476 MHz	Total Power	25.9 dBm	Transmit Freq Error	-46.994 kHz	% of OBW Power	99.00 %	x dB Bandwidth	49.78 MHz	x dB	-26.00 dB
Occupied Bandwidth	36.476 MHz	Total Power	25.9 dBm										
Transmit Freq Error	-46.994 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	49.78 MHz	x dB	-26.00 dB										





802.11a_ANT-1													
5745 MHz	 Center Frequency: 5.74500000 GHz Span: 80.000 MHz CF Step: 8.0000000 MHz Freq Offset: 0 Hz Center 5.7450 GHz #Res BW 510.00 kHz #Video BW 1.6000 MHz Span 80 MHz Sweep 1.07 ms (4001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>16.799 MHz</td><td>Total Power</td><td>24.7 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-32.561 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>20.32 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	16.799 MHz	Total Power	24.7 dBm	Transmit Freq Error	-32.561 kHz	% of OBW Power	99.00 %	x dB Bandwidth	20.32 MHz	x dB	-26.00 dB
Occupied Bandwidth	16.799 MHz	Total Power	24.7 dBm										
Transmit Freq Error	-32.561 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	20.32 MHz	x dB	-26.00 dB										
5785 MHz	 Center Frequency: 5.78500000 GHz Span: 80.000 MHz CF Step: 8.0000000 MHz Freq Offset: 0 Hz Center 5.7850 GHz #Res BW 510.00 kHz #Video BW 1.6000 MHz Span 80 MHz Sweep 1.07 ms (4001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>16.894 MHz</td><td>Total Power</td><td>25.3 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-60.382 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>20.33 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	16.894 MHz	Total Power	25.3 dBm	Transmit Freq Error	-60.382 kHz	% of OBW Power	99.00 %	x dB Bandwidth	20.33 MHz	x dB	-26.00 dB
Occupied Bandwidth	16.894 MHz	Total Power	25.3 dBm										
Transmit Freq Error	-60.382 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	20.33 MHz	x dB	-26.00 dB										
5825 MHz	 Center Frequency: 5.82500000 GHz Span: 80.000 MHz CF Step: 8.0000000 MHz Freq Offset: 0 Hz Center 5.8250 GHz #Res BW 510.00 kHz #Video BW 1.6000 MHz Span 80 MHz Sweep 1.07 ms (4001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>17.106 MHz</td><td>Total Power</td><td>26.5 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-46.064 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>23.16 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	17.106 MHz	Total Power	26.5 dBm	Transmit Freq Error	-46.064 kHz	% of OBW Power	99.00 %	x dB Bandwidth	23.16 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.106 MHz	Total Power	26.5 dBm										
Transmit Freq Error	-46.064 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	23.16 MHz	x dB	-26.00 dB										



802.11ac VHT20_ANT-1

5745 MHz



5785 MHz



5825 MHz

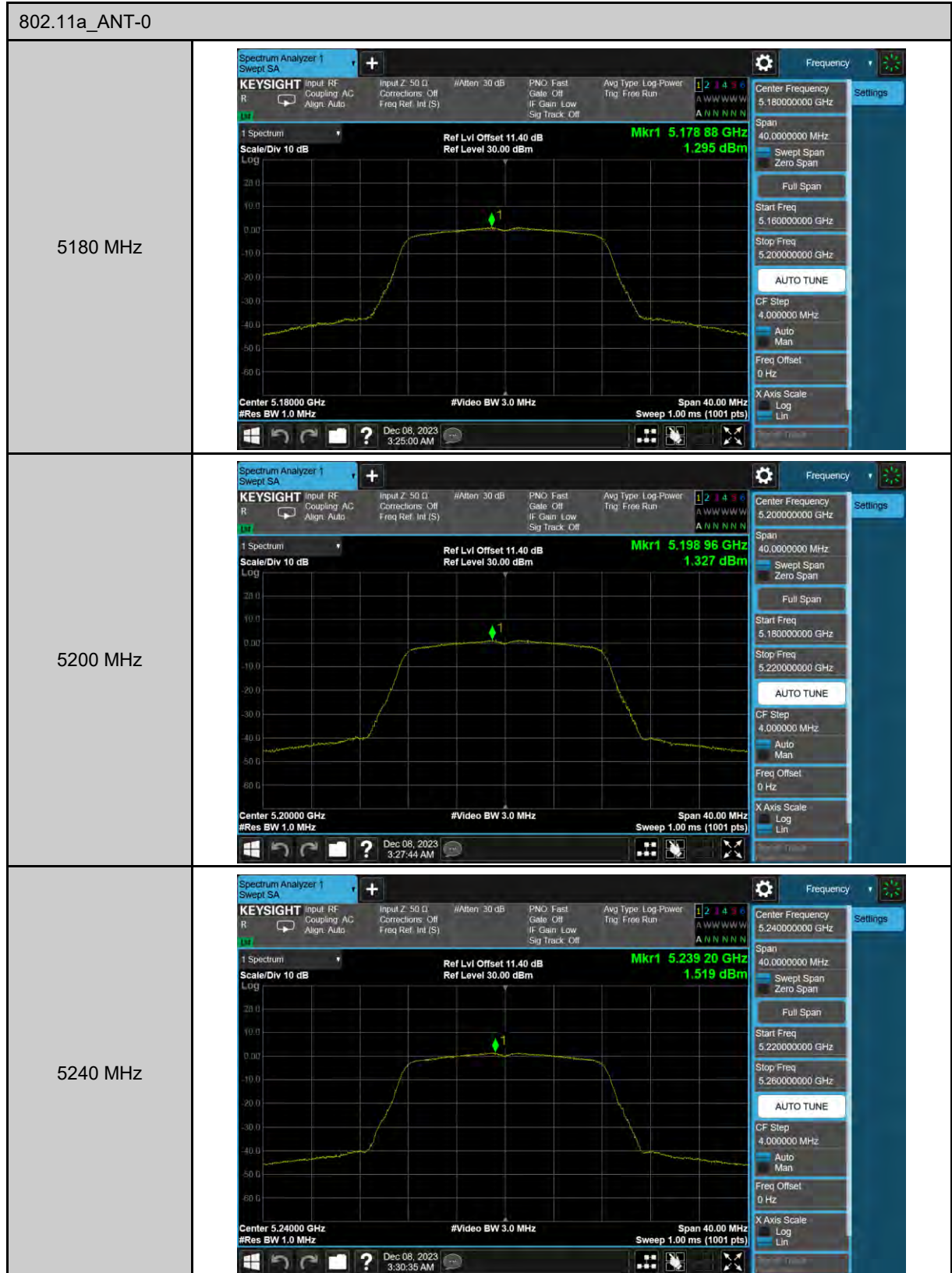


802.11ac VHT40_ANT-1	 5710 MHz
5755 MHz	 5755 MHz
5795 MHz	 5795 MHz

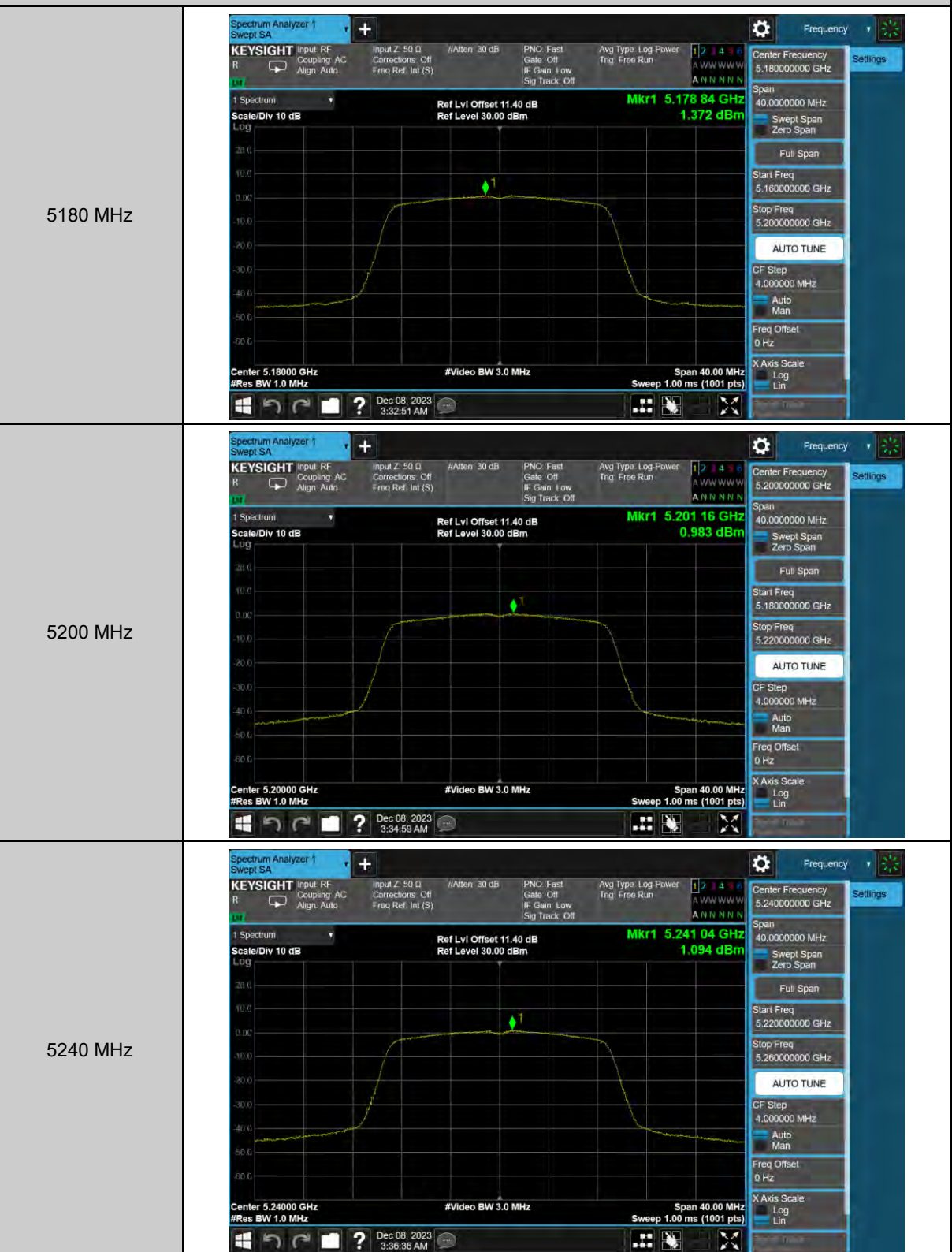


For IC

Maximum Power Spectral Density



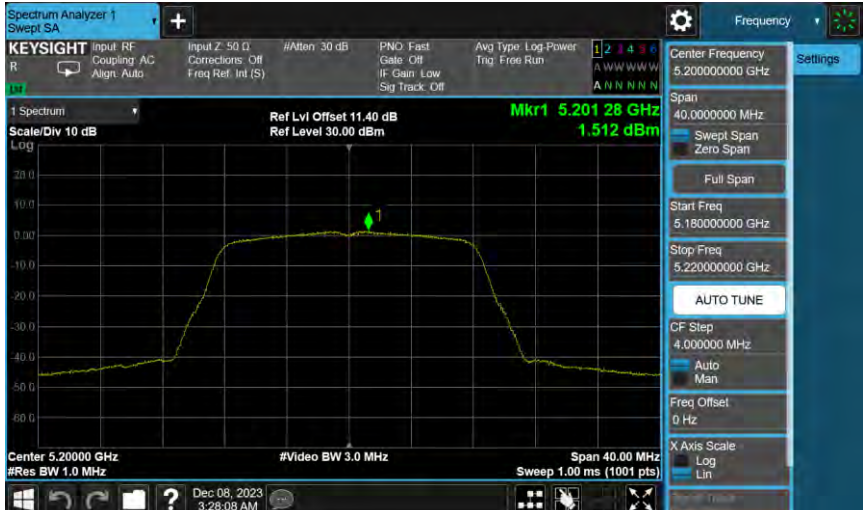
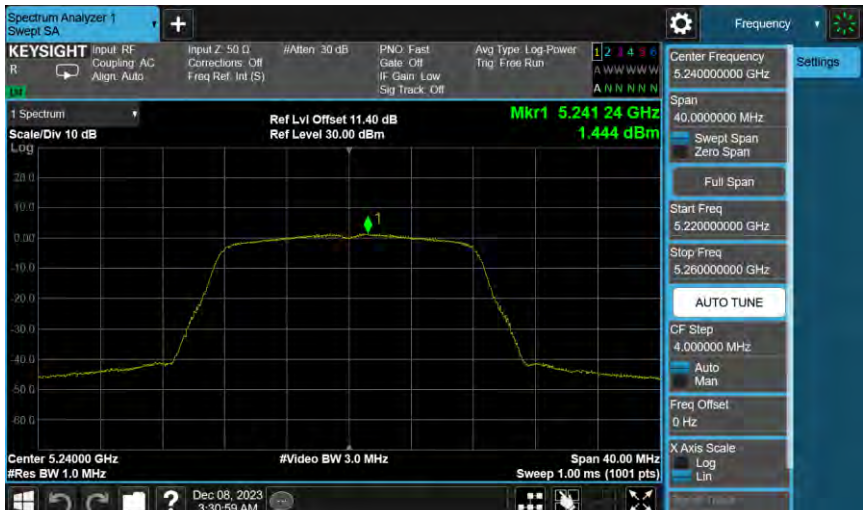
802.11ac VHT20_ANT-0



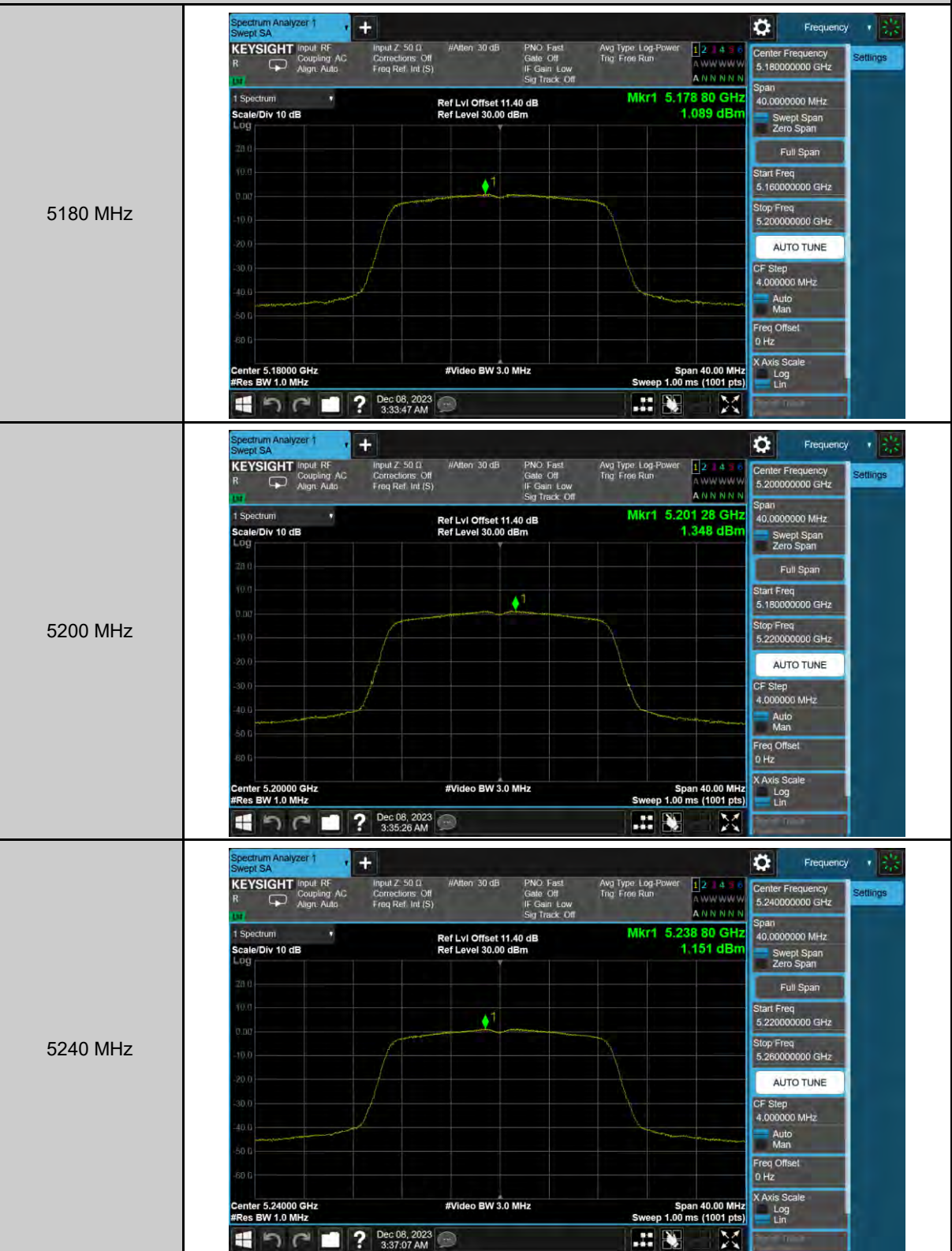
802.11ac VHT40_ANT-0





802.11a_ANT-1 5180 MHz	
5200 MHz	
5240 MHz	

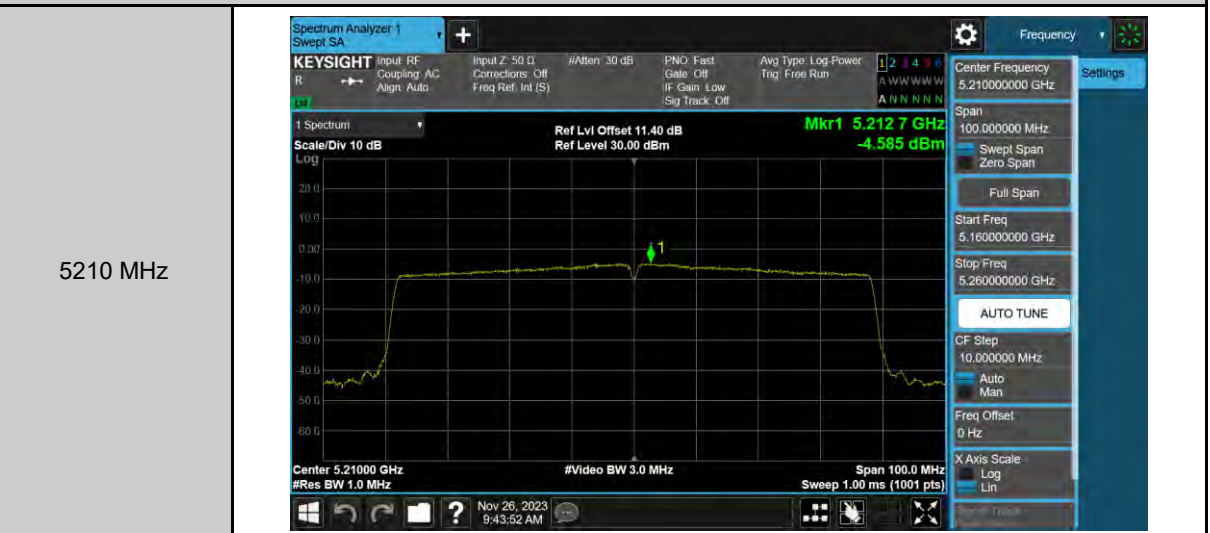
802.11ac VHT20_ANT-1



802.11ac VHT40_ANT-1



802.11ac VHT80_ANT-1

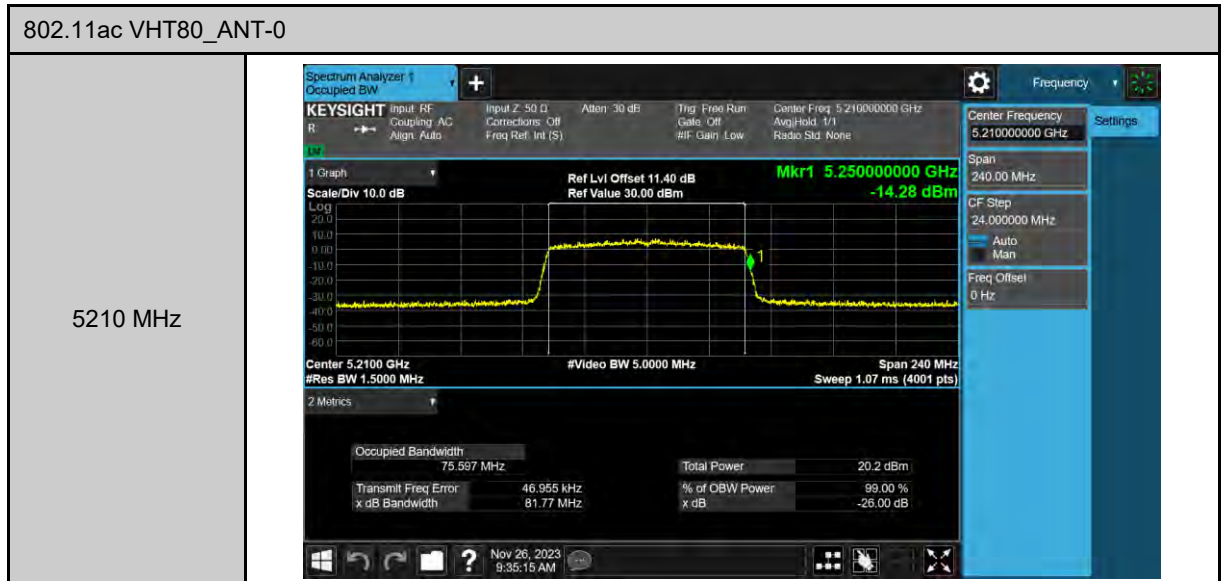


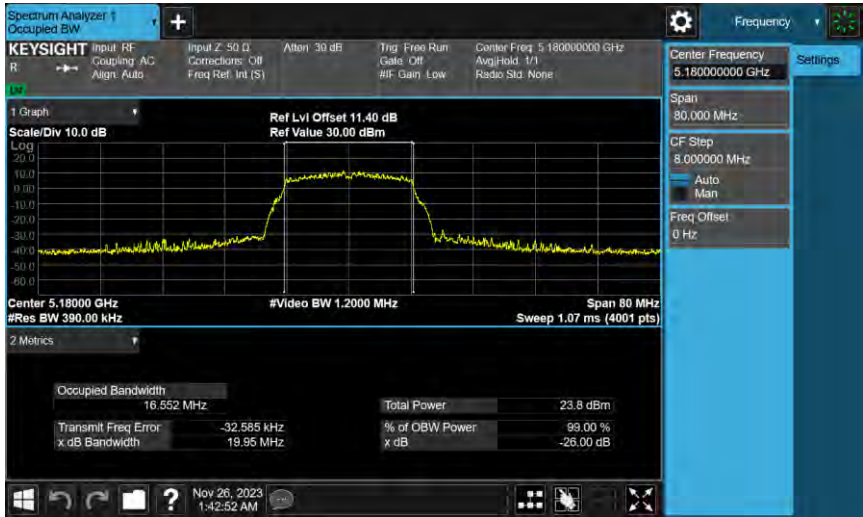
26 dB Bandwidth & 99% Occupied Bandwidth

802.11a_ANT-0 5180 MHz	
5200 MHz	
5240 MHz	

802.11ac VHT20_ANT-0 5180 MHz	 Center Frequency: 5.18000000 GHz Span: 80.000 MHz CF Step: 8.0000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 20.509 MHz Total Power: 23.0 dBm Transmit Freq Error: -87.960 kHz % of OBW Power: 99.00 % x dB Bandwidth: 39.44 MHz x dB: -26.00 dB
5200 MHz	 Center Frequency: 5.20000000 GHz Span: 80.000 MHz CF Step: 8.0000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 18.578 MHz Total Power: 25.3 dBm Transmit Freq Error: 94.965 kHz % of OBW Power: 99.00 % x dB Bandwidth: 33.14 MHz x dB: -26.00 dB
5240 MHz	 Center Frequency: 5.24000000 GHz Span: 80.000 MHz CF Step: 8.0000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 18.114 MHz Total Power: 24.1 dBm Transmit Freq Error: 33.356 kHz % of OBW Power: 99.00 % x dB Bandwidth: 26.95 MHz x dB: -26.00 dB Mkr1 5.25000000 GHz -9.47 dBm





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

802.11ac VHT20_ANT-1

5180 MHz	 Center Frequency: 5.18000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 17.599 MHz Total Power: 23.4 dBm Transmit Freq Error: -24.315 kHz % of OBW Power: 99.00 % x dB Bandwidth: 20.10 MHz 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 Occupied Bandwidth: 17.766 MHz Total Power: 24.7 dBm Transmit Freq Error: -9.819 kHz % of OBW Power: 99.00 % x dB Bandwidth: 21.00 MHz 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 Occupied Bandwidth: 17.733 MHz Total Power: 25.2 dBm Transmit Freq Error: -17.221 kHz % of OBW Power: 99.00 % x dB Bandwidth: 20.78 MHz x dB: -26.00 dB Mkr1 5.25000000 GHz -12.38 dBm

