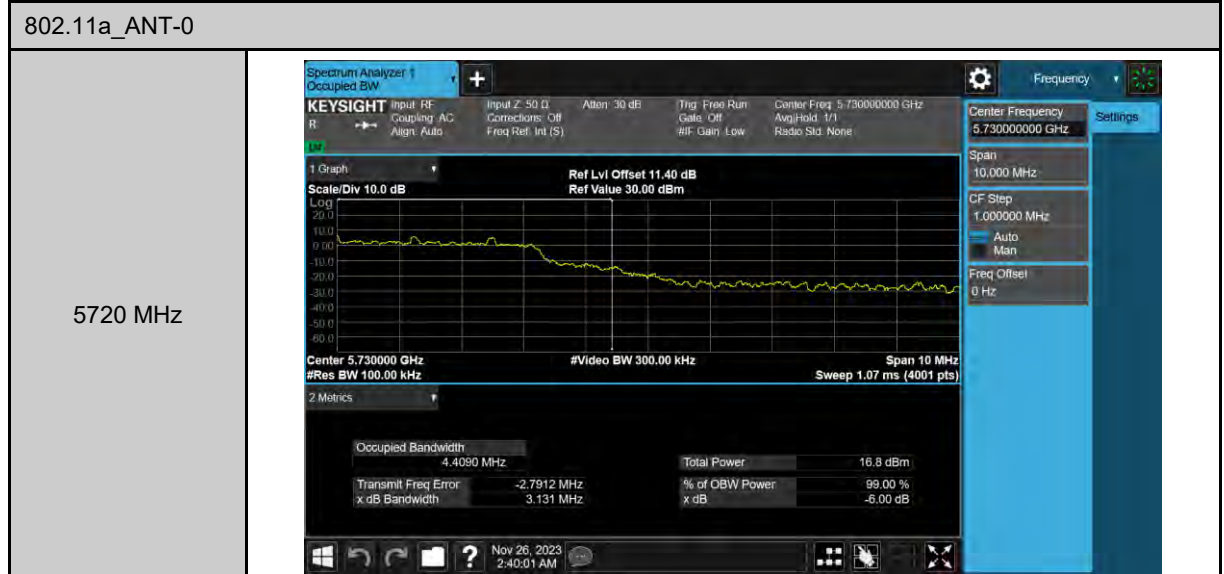
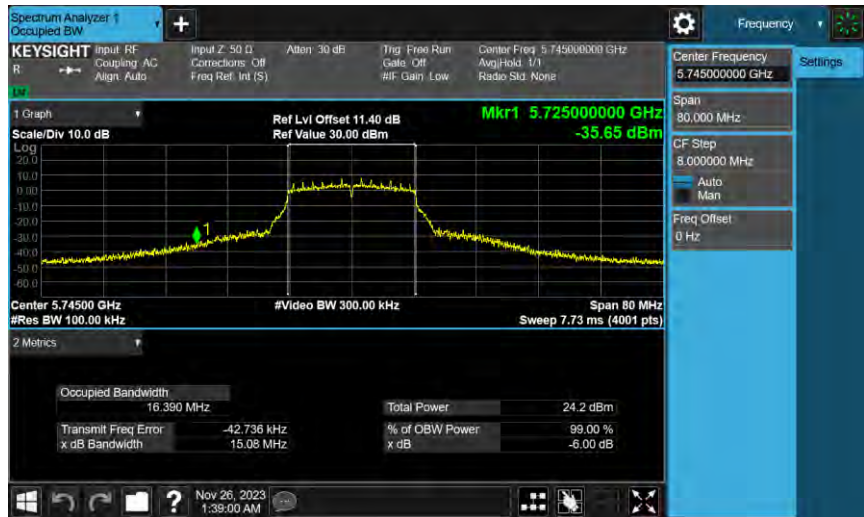
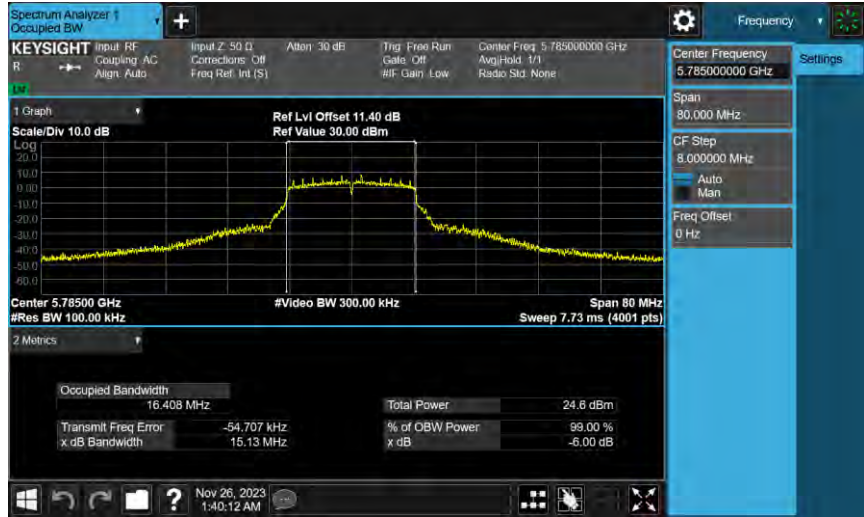
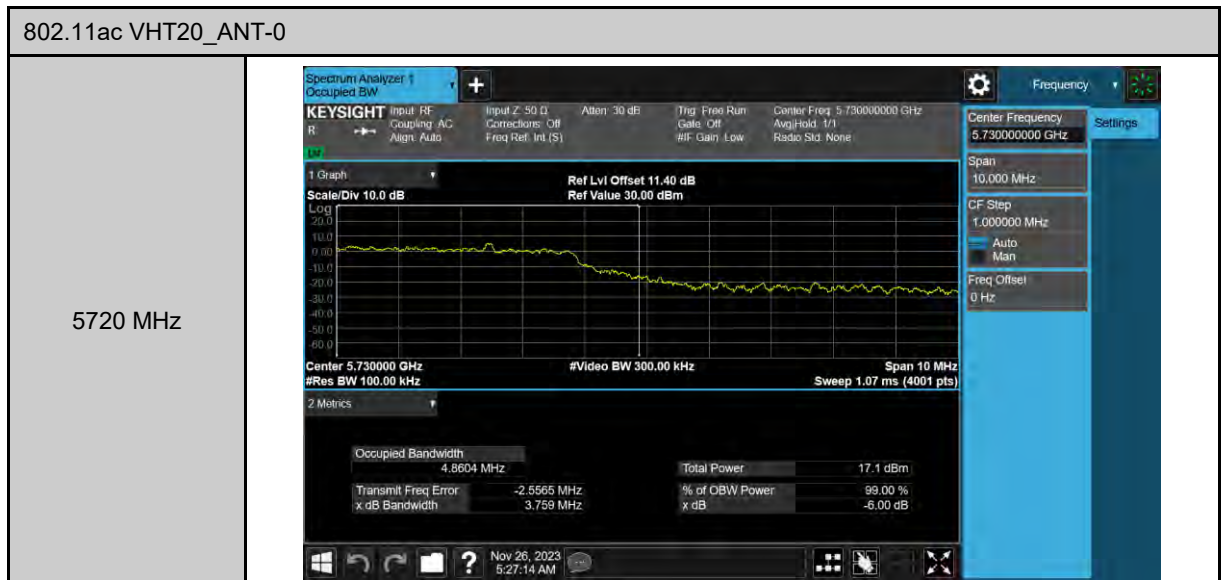


6 dB Bandwidth



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										

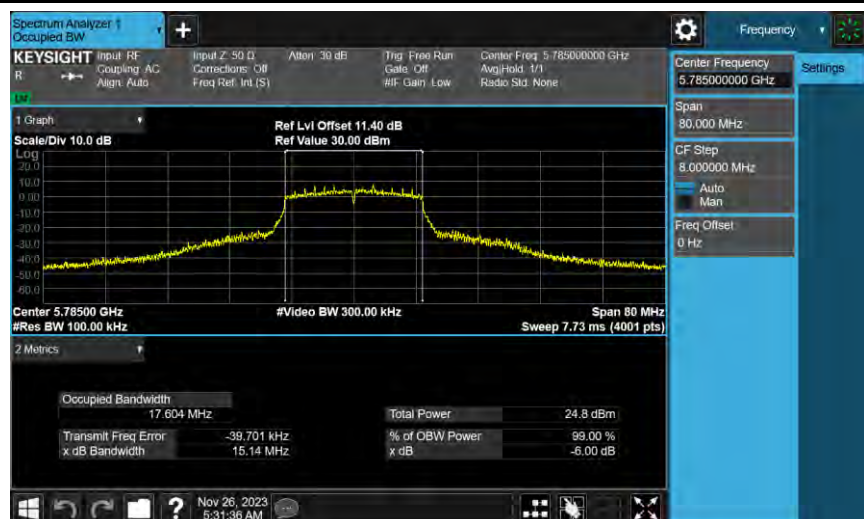


802.11ac VHT20_ANT-0

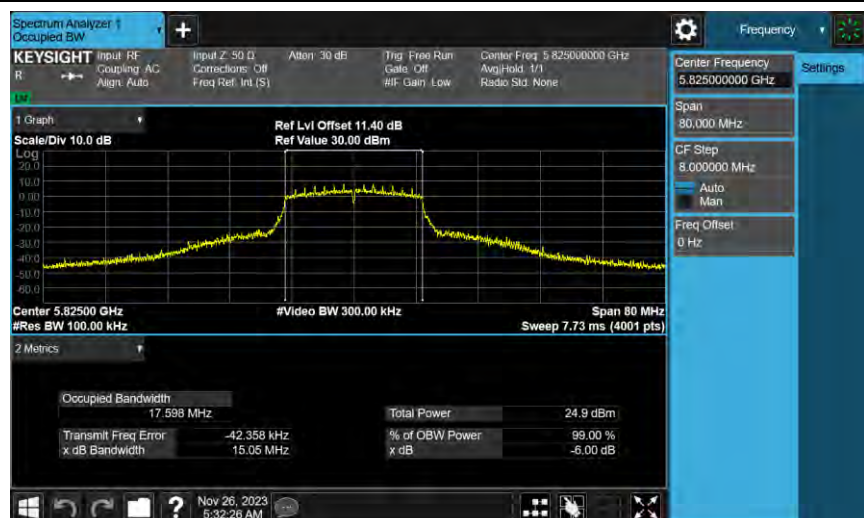
5745 MHz



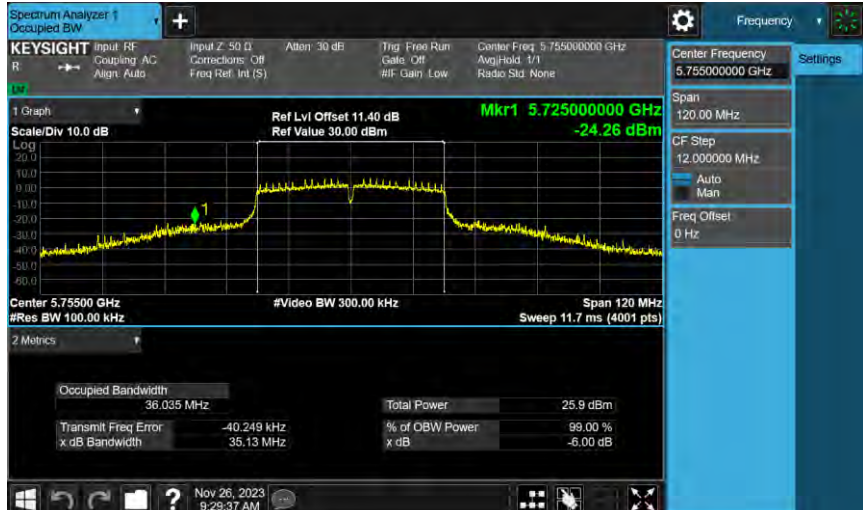
5785 MHz



5825 MHz

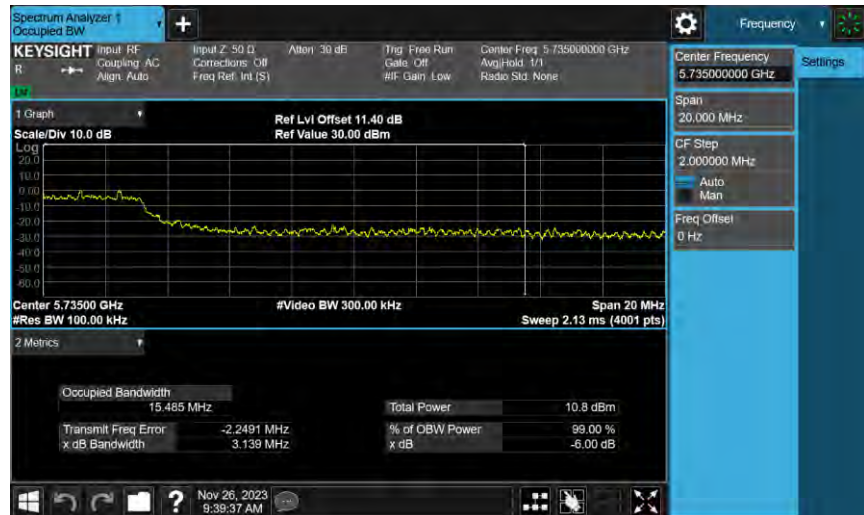


802.11ac VHT40_ANT-0

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

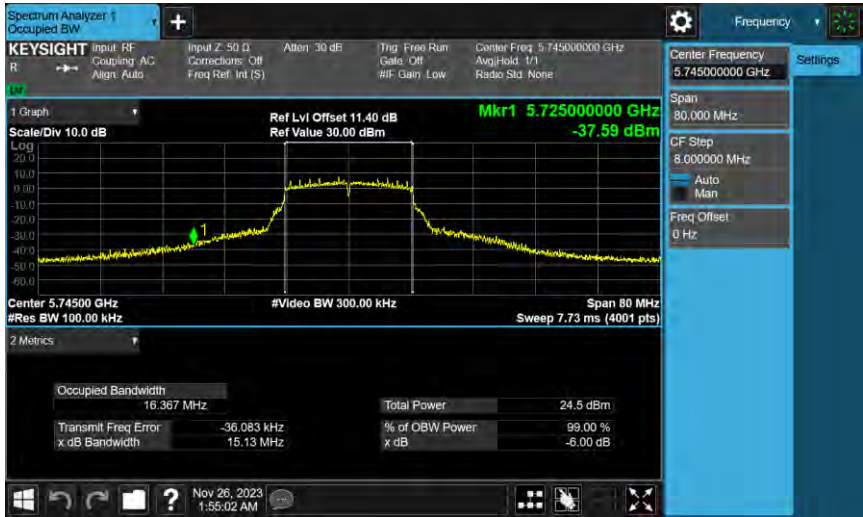
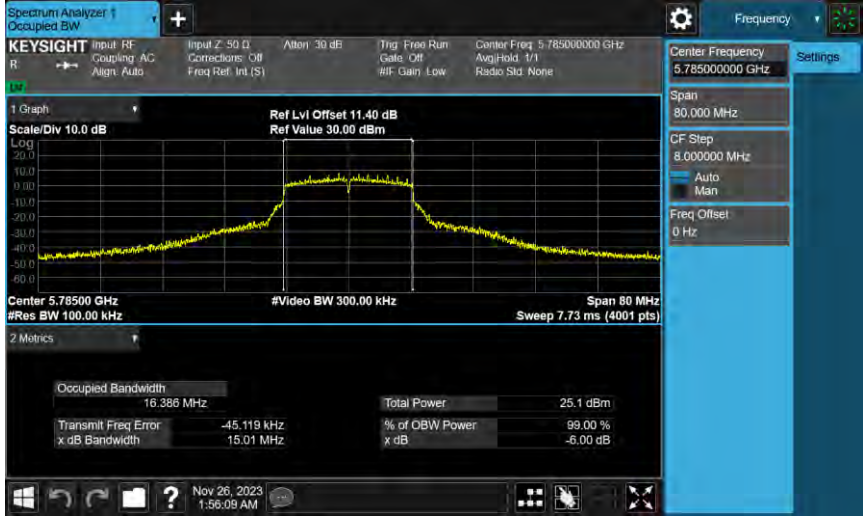
5690 MHz

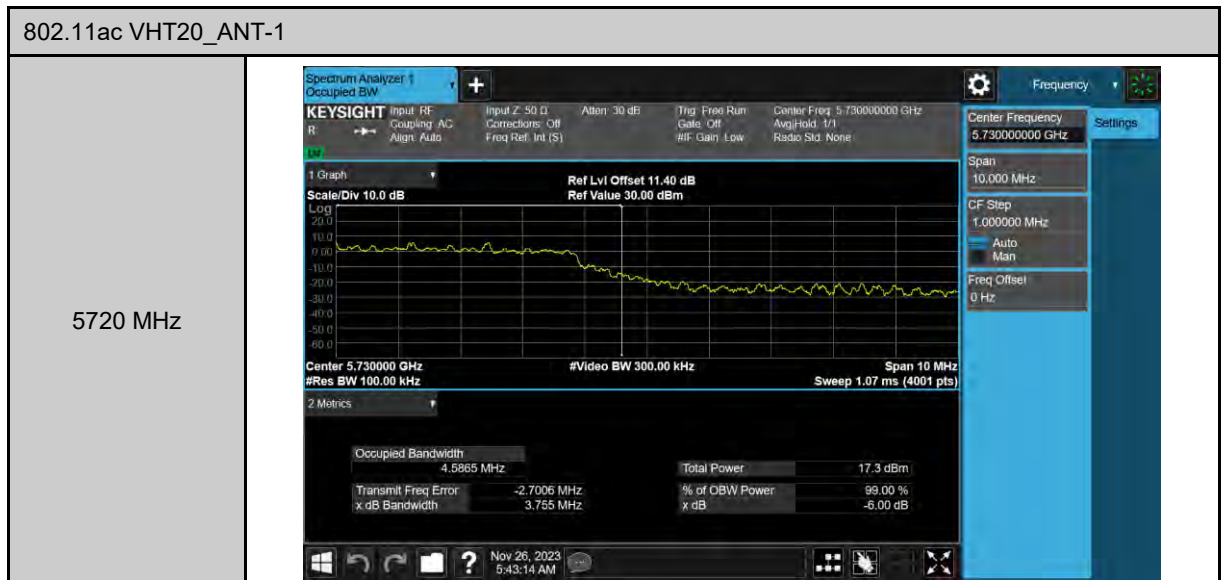


5775 MHz





802.11a_ANT-1 5745 MHz	
5785 MHz	
5825 MHz	

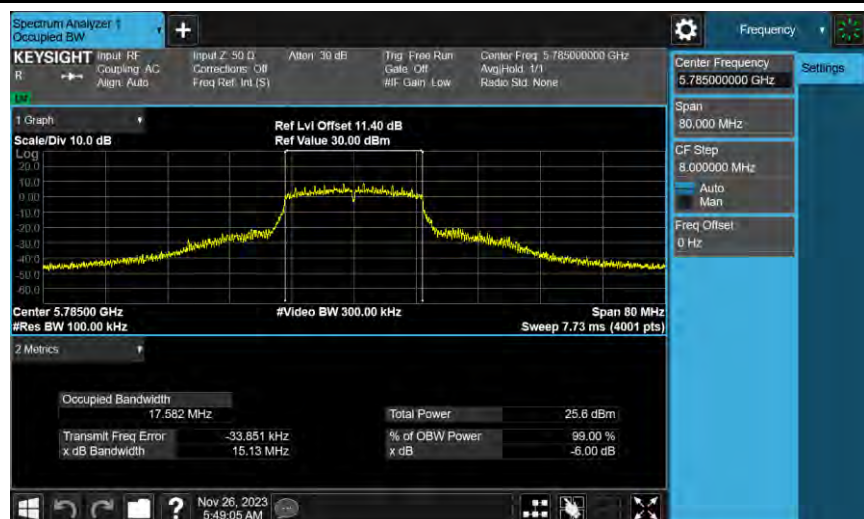


802.11ac VHT20_ANT-1

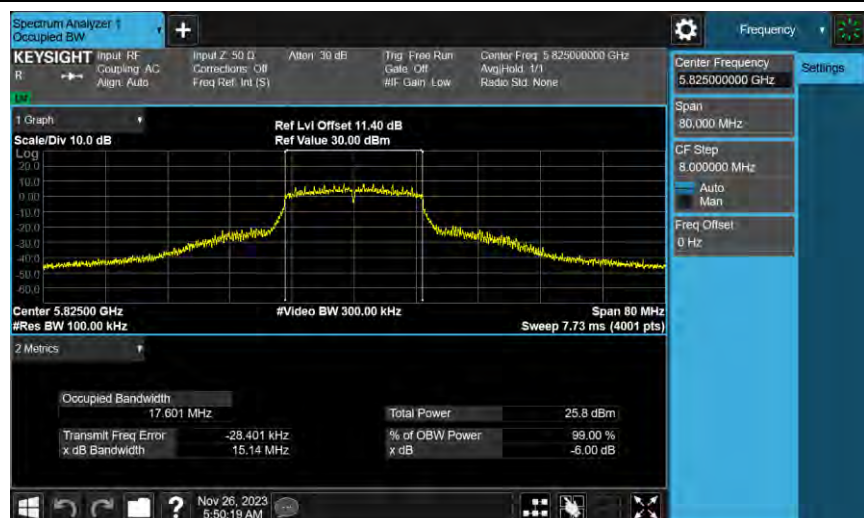
5745 MHz

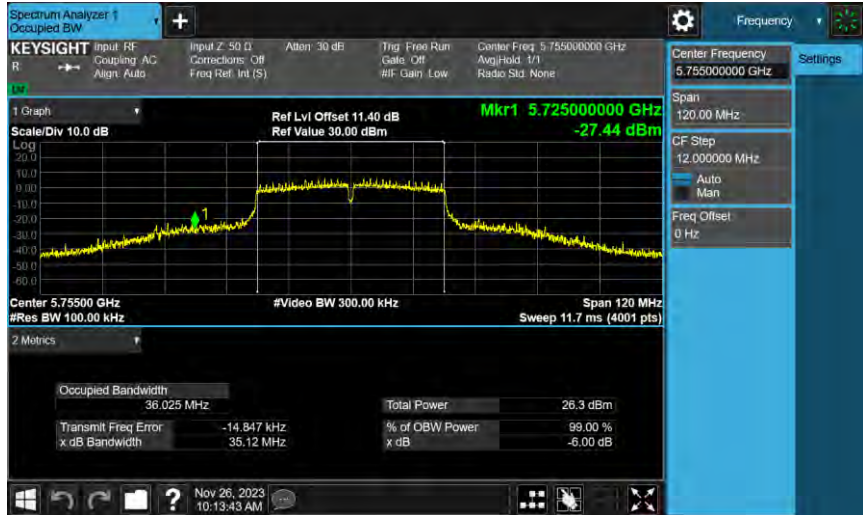


5785 MHz



5825 MHz



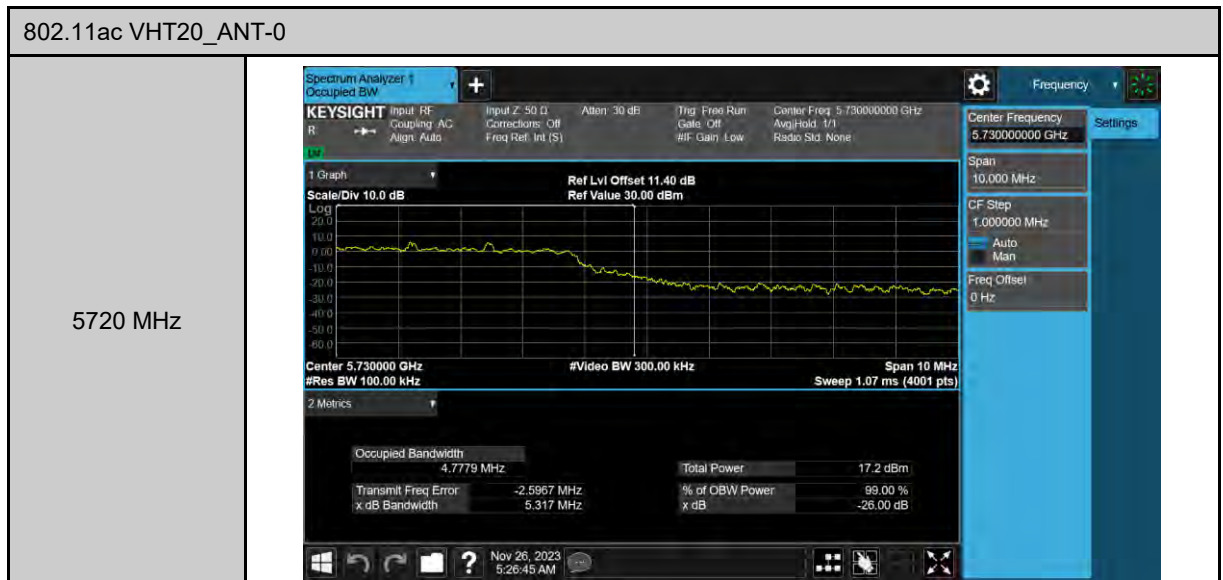
802.11ac VHT40_ANT-1	 Center Frequency: 5.73000000 GHz Span: 10.000 MHz CF Step: 1.000000 MHz Freq Offset: 0 Hz Center 5.730000 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Sweep 1.07 ms (4001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>6.1522 MHz</td><td>Total Power</td><td>13.3 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-1.9176 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	6.1522 MHz	Total Power	13.3 dBm	Transmit Freq Error	-1.9176 MHz	% of OBW Power	99.00 %	x dB Bandwidth	3.125 MHz	x dB	-6.00 dB
Occupied Bandwidth	6.1522 MHz	Total Power	13.3 dBm										
Transmit Freq Error	-1.9176 MHz	% of OBW Power	99.00 %										
x dB Bandwidth	3.125 MHz	x dB	-6.00 dB										
5710 MHz													
 Center Frequency: 5.75500000 GHz Span: 120.00 MHz CF Step: 12.000000 MHz Freq Offset: 0 Hz Center 5.755000 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Sweep 11.7 ms (4001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>36.025 MHz</td><td>Total Power</td><td>26.3 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-14.847 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	36.025 MHz	Total Power	26.3 dBm	Transmit Freq Error	-14.847 kHz	% of OBW Power	99.00 %	x dB Bandwidth	35.12 MHz	x dB	-6.00 dB	5755 MHz
Occupied Bandwidth	36.025 MHz	Total Power	26.3 dBm										
Transmit Freq Error	-14.847 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	35.12 MHz	x dB	-6.00 dB										
 Center Frequency: 5.79500000 GHz Span: 120.00 MHz CF Step: 12.000000 MHz Freq Offset: 0 Hz Center 5.795000 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Sweep 11.7 ms (4001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>36.041 MHz</td><td>Total Power</td><td>25.9 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-24.682 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>35.11 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table>	Occupied Bandwidth	36.041 MHz	Total Power	25.9 dBm	Transmit Freq Error	-24.682 kHz	% of OBW Power	99.00 %	x dB Bandwidth	35.11 MHz	x dB	-6.00 dB	5795 MHz
Occupied Bandwidth	36.041 MHz	Total Power	25.9 dBm										
Transmit Freq Error	-24.682 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	35.11 MHz	x dB	-6.00 dB										



99% Occupied Bandwidth

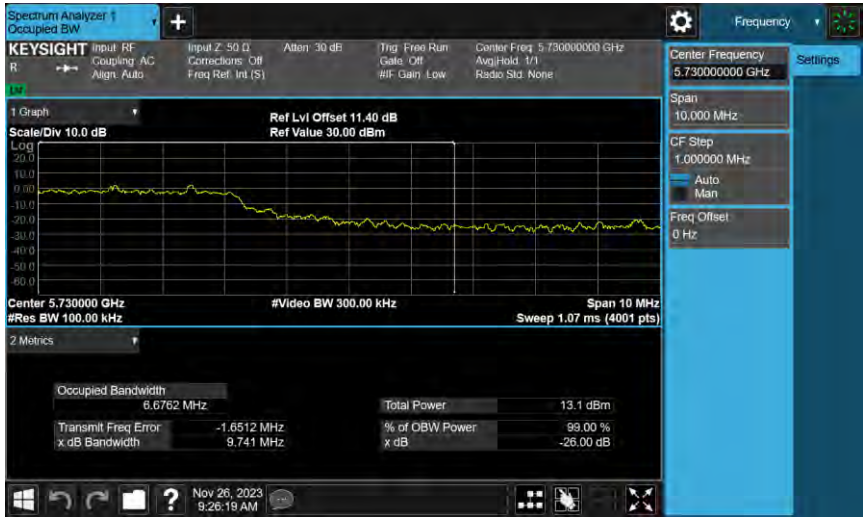


802.11a_ANT-0	
5745 MHz	 Center Frequency: 5.74500000 GHz Span: 80.000 MHz CF Step: 8.0000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 17.029 MHz Total Power: 23.9 dBm % of OBW Power: 99.00 %
5785 MHz	 Center Frequency: 5.78500000 GHz Span: 80.000 MHz CF Step: 8.0000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 17.150 MHz Total Power: 24.4 dBm % of OBW Power: 99.00 %
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 % of OBW Power: 99.00 %

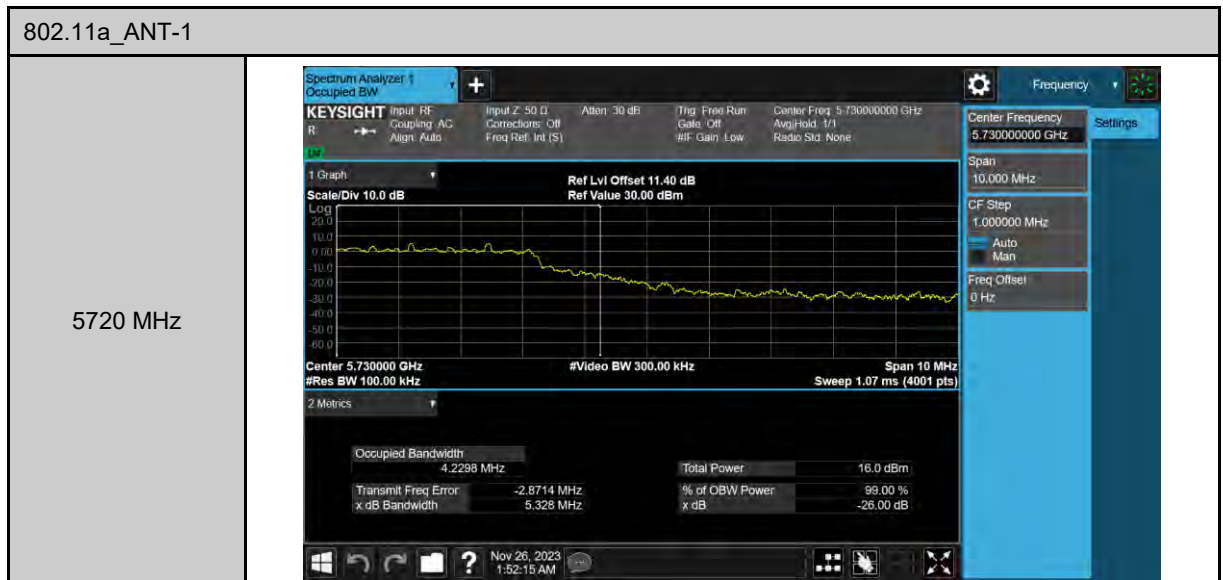


802.11ac VHT20_ANT-0

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
5755 MHz	 5755 MHz
5795 MHz	 5795 MHz





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

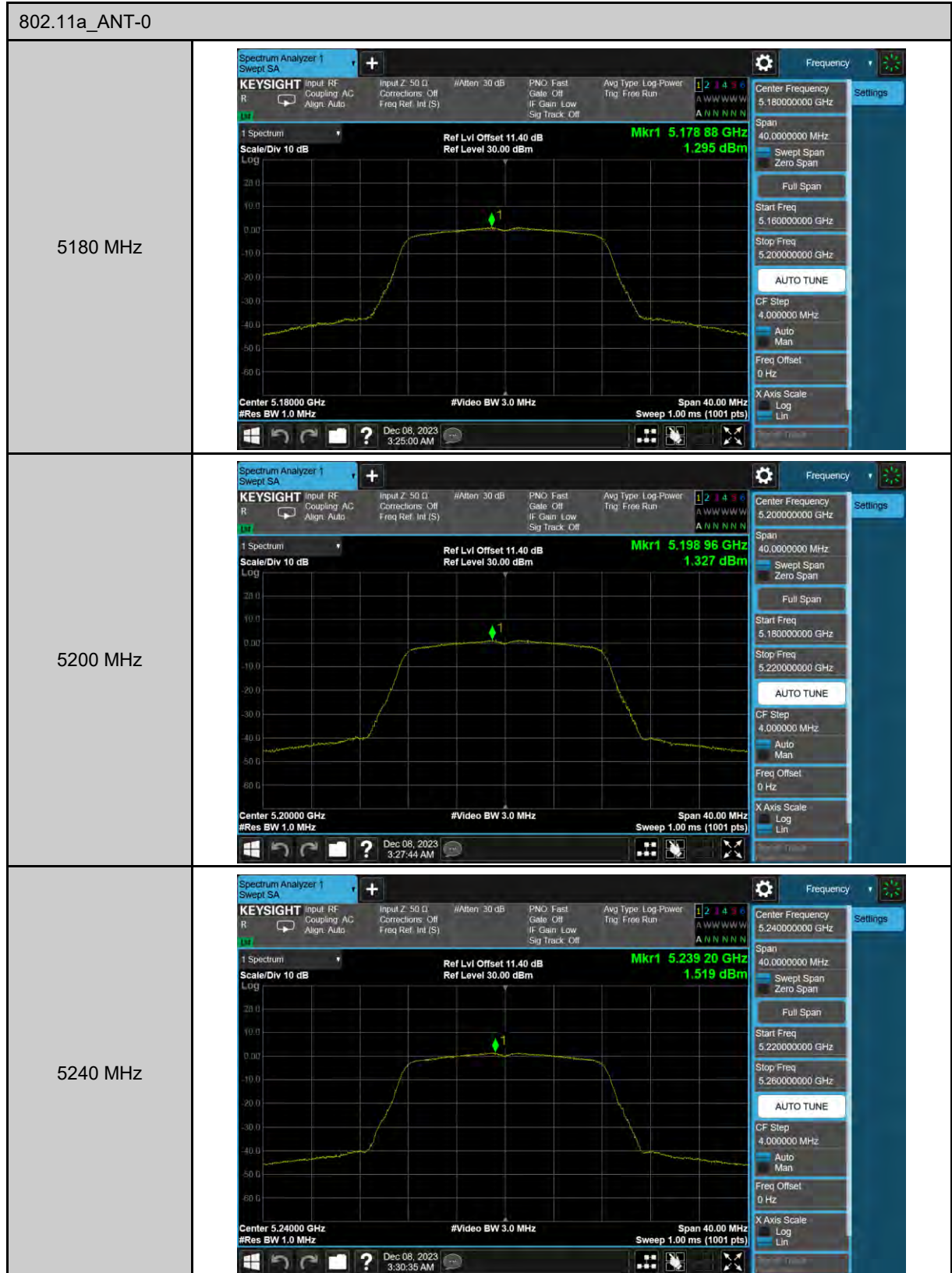
5745 MHz	 Center 5.74500 GHz #Res BW 510.00 kHz #Video BW 1.6000 MHz Span 80 MHz Sweep 1.07 ms (4001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>17.789 MHz</td><td>Total Power</td><td>25.4 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-31.290 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>20.37 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	17.789 MHz	Total Power	25.4 dBm	Transmit Freq Error	-31.290 kHz	% of OBW Power	99.00 %	x dB Bandwidth	20.37 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.789 MHz	Total Power	25.4 dBm										
Transmit Freq Error	-31.290 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	20.37 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) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>17.846 MHz</td><td>Total Power</td><td>26.0 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-49.666 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>20.79 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	17.846 MHz	Total Power	26.0 dBm	Transmit Freq Error	-49.666 kHz	% of OBW Power	99.00 %	x dB Bandwidth	20.79 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.846 MHz	Total Power	26.0 dBm										
Transmit Freq Error	-49.666 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	20.79 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) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>17.826 MHz</td><td>Total Power</td><td>26.3 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-18.367 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>21.12 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	17.826 MHz	Total Power	26.3 dBm	Transmit Freq Error	-18.367 kHz	% of OBW Power	99.00 %	x dB Bandwidth	21.12 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.826 MHz	Total Power	26.3 dBm										
Transmit Freq Error	-18.367 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	21.12 MHz	x dB	-26.00 dB										

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

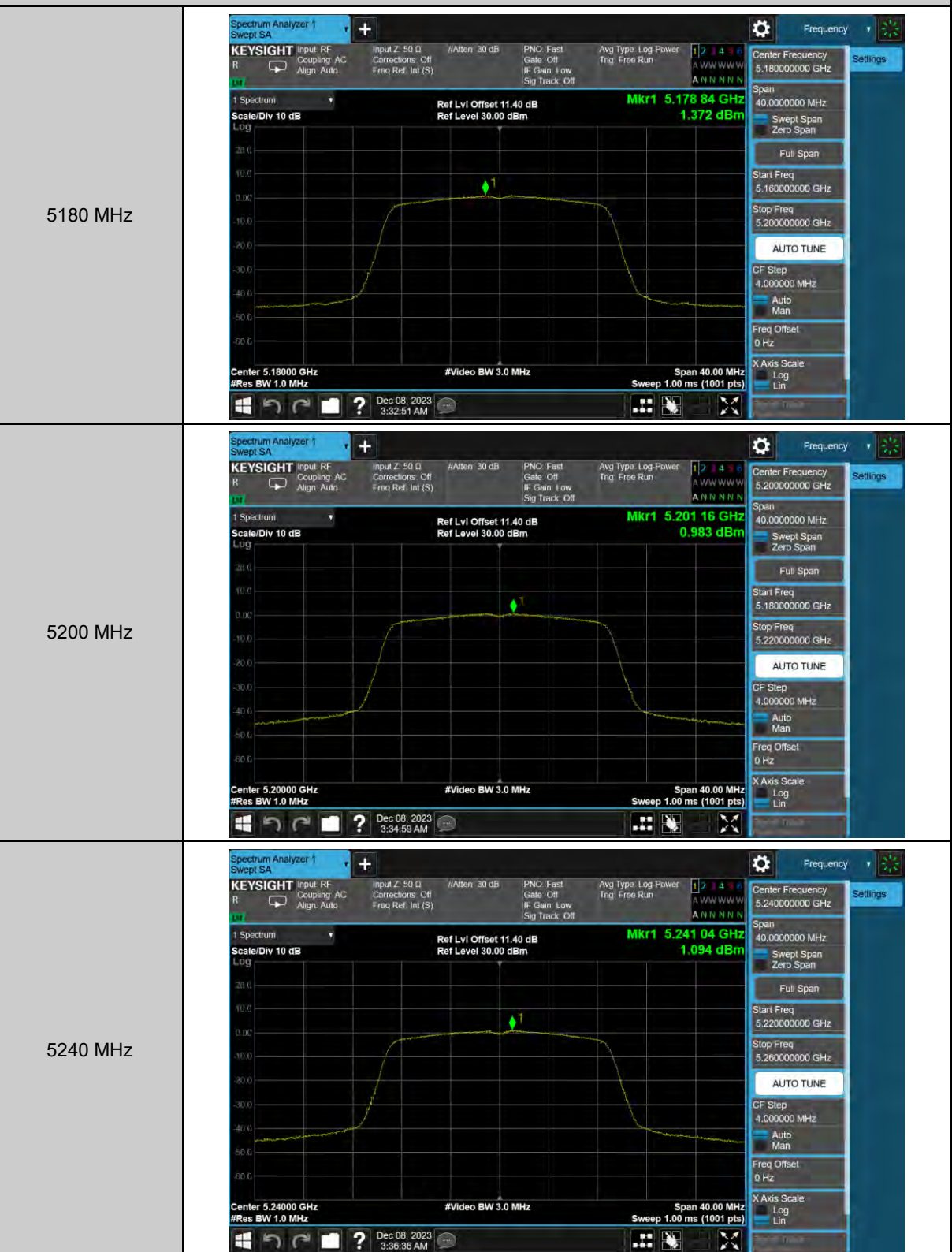


For IC

Maximum Power Spectral Density



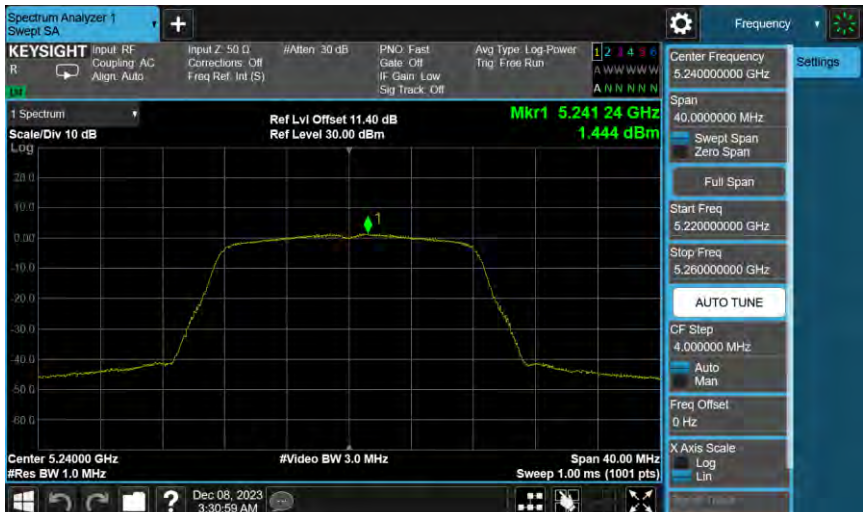
802.11ac VHT20_ANT-0



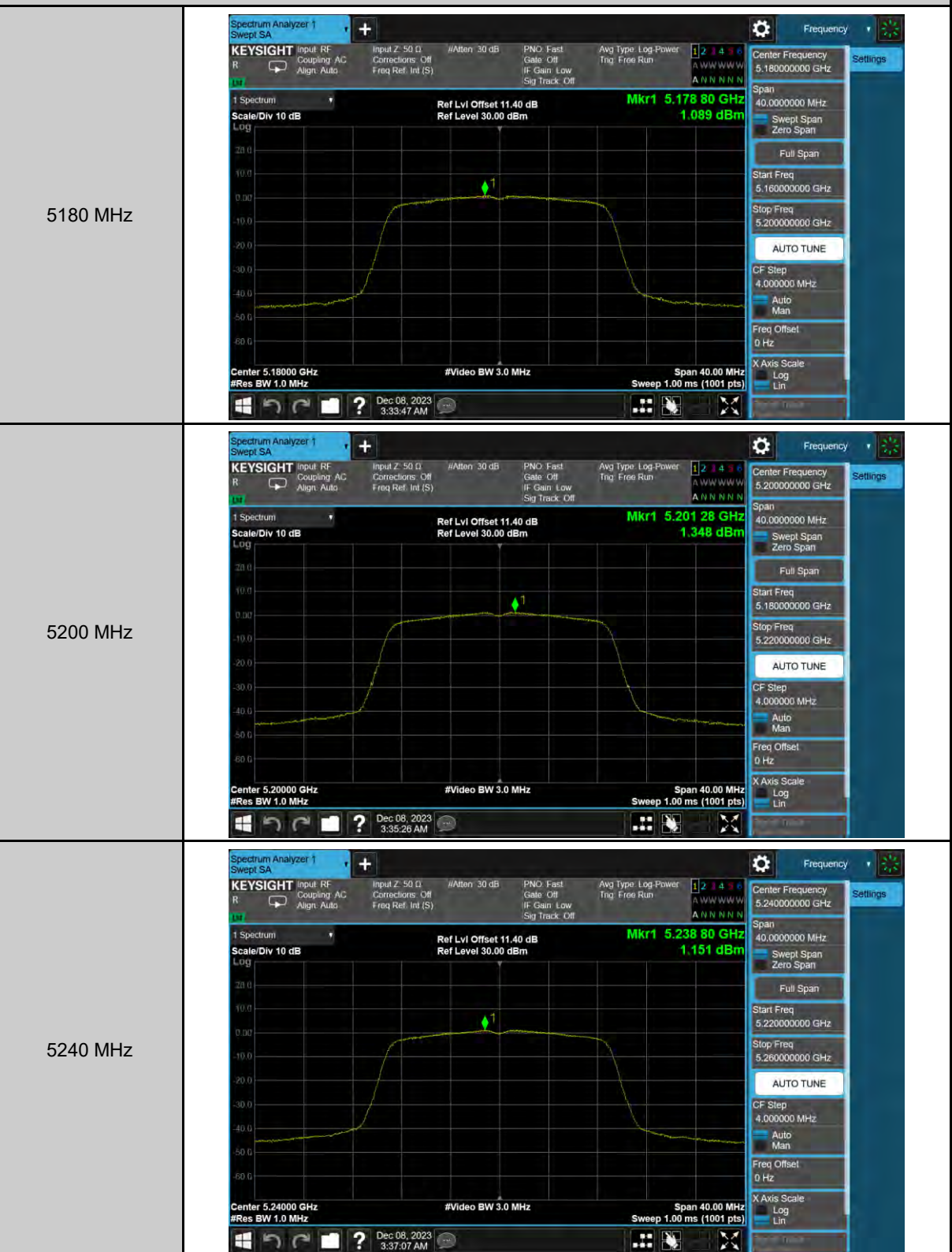
802.11ac VHT40_ANT-0





802.11a_ANT-1 5180 MHz	
5200 MHz	
5240 MHz	

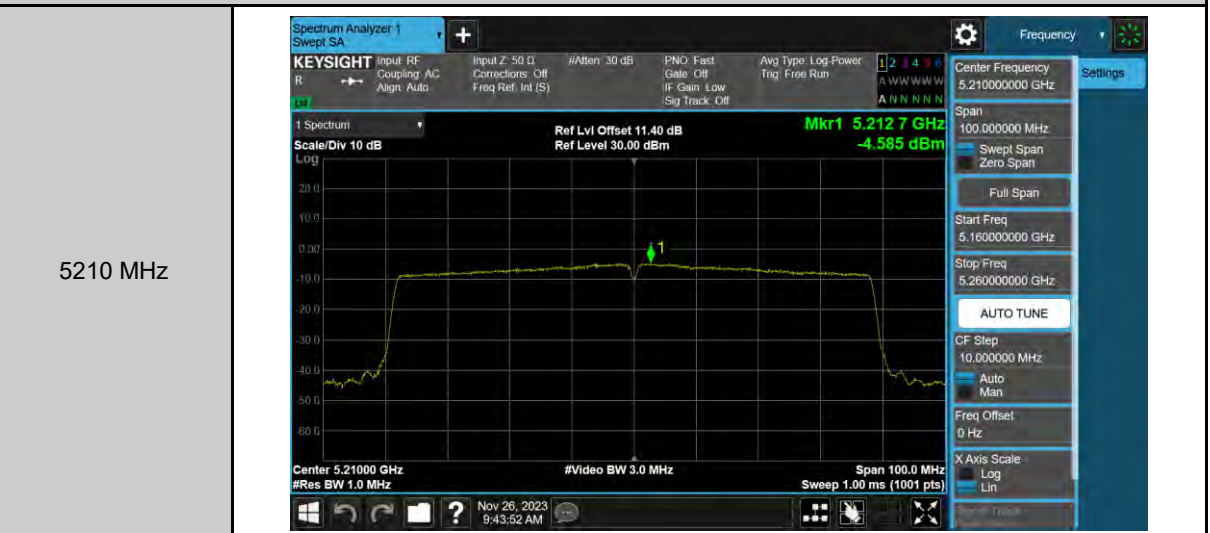
802.11ac VHT20_ANT-1



802.11ac VHT40_ANT-1

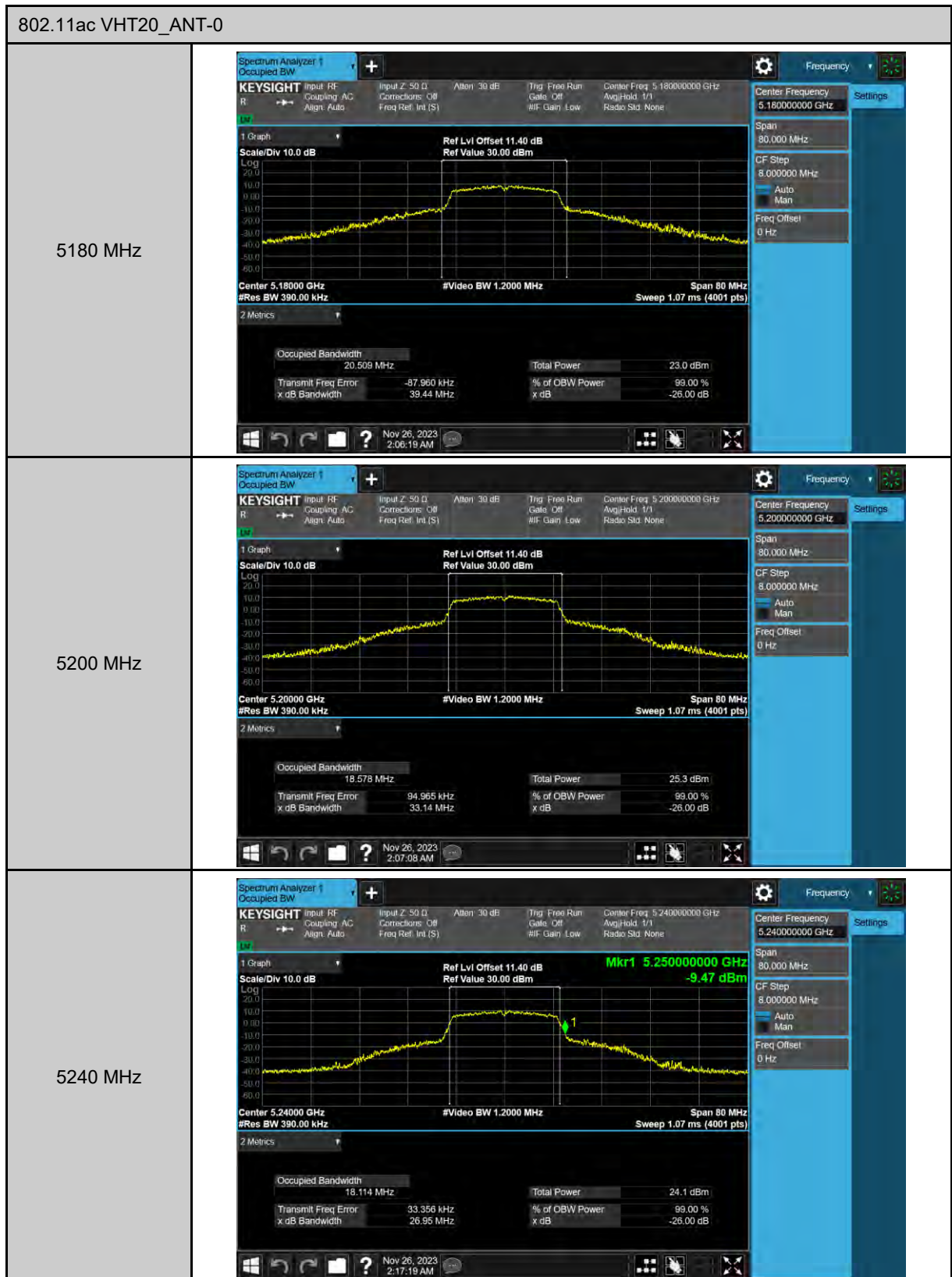


802.11ac VHT80_ANT-1

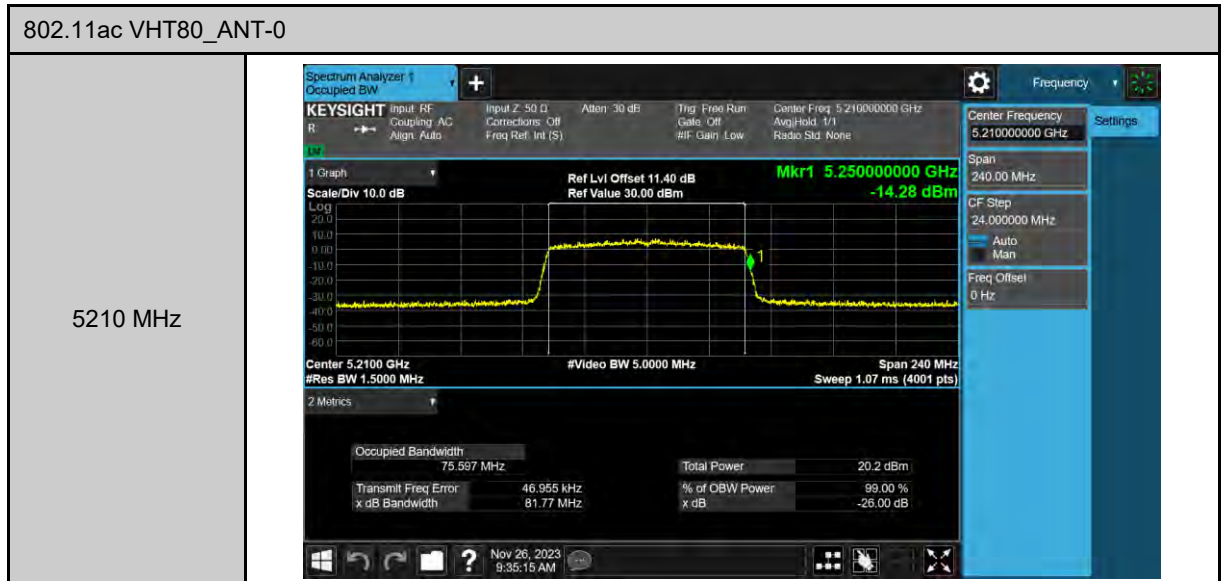


26 dB Bandwidth & 99% Occupied Bandwidth

802.11a_ANT-0 5180 MHz	
5200 MHz	
5240 MHz	







802.11a_ANT-1

5180 MHz



5200 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



