



**26 dB RF Bandwidth Measurement & 99 % Occupied Bandwidth Measurement**

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode	
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-0	
5180.0	21.065	16.522
5200.0	23.994	16.599
5240.0	26.953	16.755
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-1	
5180.0	20.299	16.509
5200.0	25.935	16.627
5240.0	26.530	16.583

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode	
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-0	
5180.0	20.477	17.660
5200.0	27.581	17.768
5240.0	25.277	17.800
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-1	
5180.0	20.732	17.673
5200.0	25.649	17.773
5240.0	24.054	17.740

Note: The 99 % occupied bandwidth not crossed 5250 MHz.



Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode	
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-0	
5190.0	40.502	36.138
5230.0	69.209	36.658
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-1	
5190.0	39.969	36.029
5230.0	62.423	36.462

Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode	
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-0	
5210.0	83.212	75.857
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-1	
5210.0	83.910	75.951

Note: The 99 % occupied bandwidth not crossed 5250 MHz.



Beamforming on

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode	
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
		ANT-0
5180.0	20.378	17.628
5200.0	20.423	17.639
5240.0	20.124	17.641
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
		ANT-1
5180.0	20.250	17.641
5200.0	20.143	17.647
5240.0	20.304	17.647

Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode	
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
		ANT-0
5190.0	40.151	36.021
5230.0	40.156	36.057
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
		ANT-1
5190.0	40.003	36.111
5230.0	39.892	36.078

Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode	
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
		ANT-0
5210.0	83.919	76.107
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
		ANT-1
5210.0	82.629	75.778

Note: The 99 % occupied bandwidth not crossed 5250 MHz.

■ Test Graphs

Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0	
5180 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.18000000 GHz</p> <p>Center 5.18 GHz</p> <p>Occupied Bandwidth: 16.5219 MHz</p> <p>Total Power: 10.95 dBm</p> <p>Transmit Freq Error: -52.9002 kHz</p> <p>x dB Bandwidth: 21.065 MHz</p>
5200 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.20000000 GHz</p> <p>Center 5.2 GHz</p> <p>Occupied Bandwidth: 16.5993 MHz</p> <p>Total Power: 11.65 dBm</p> <p>Transmit Freq Error: -32.1699 kHz</p> <p>x dB Bandwidth: 23.994 MHz</p>
5240 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.24000000 GHz</p> <p>Center 5.24 GHz</p> <p>Occupied Bandwidth: 16.7554 MHz</p> <p>Total Power: 12.63 dBm</p> <p>Transmit Freq Error: -36.1465 kHz</p> <p>x dB Bandwidth: 26.953 MHz</p>

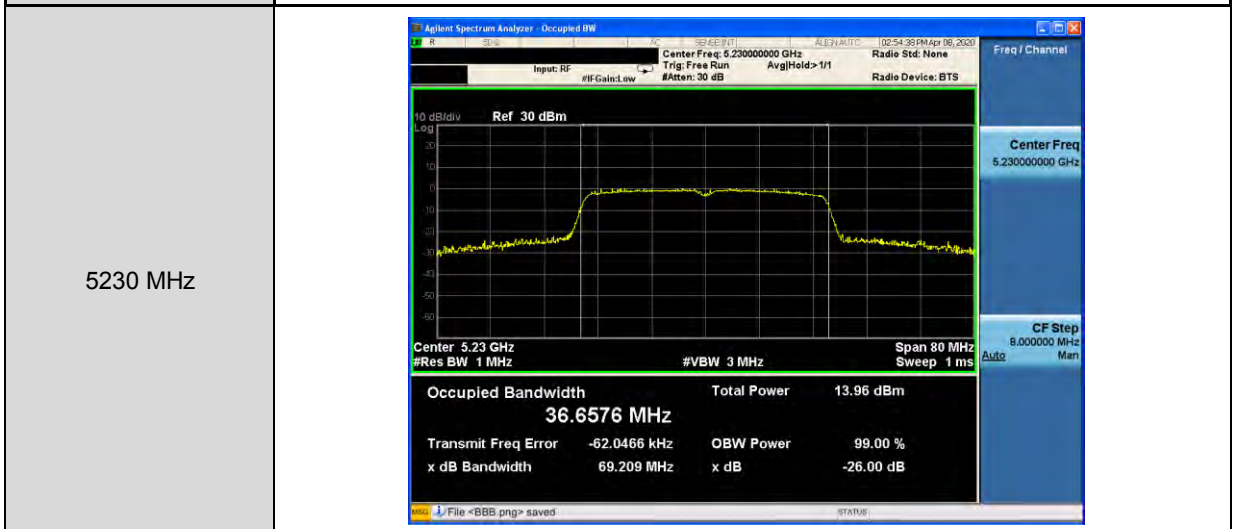
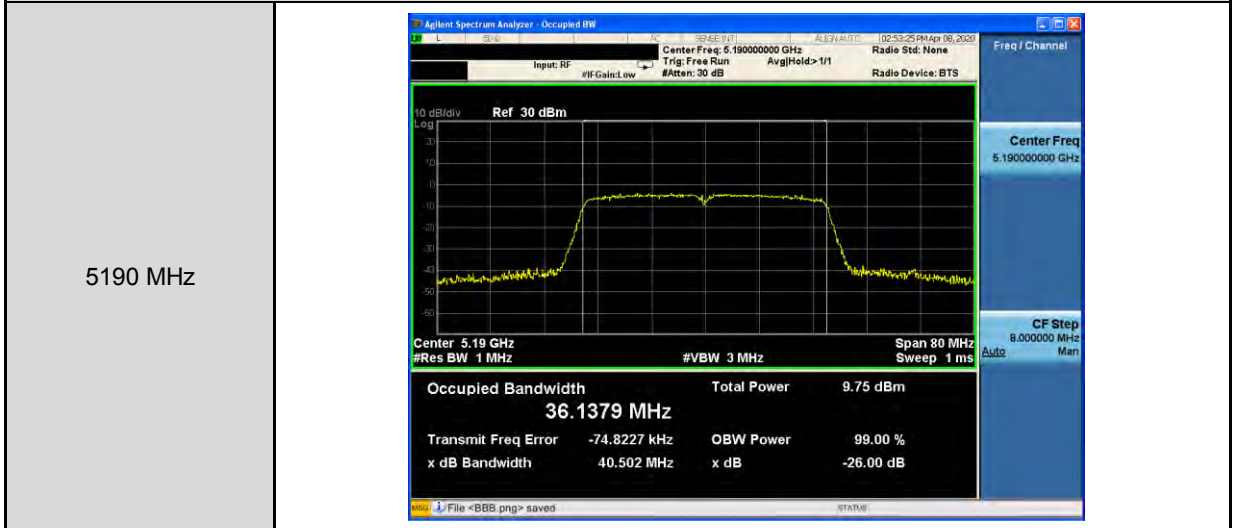


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ ANT-0																			
5180 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.18000000 GHz Trig: Free Run #Atten: 30 dB Radio Std: None Radio Device: BTS</p> <p>Center 5.18 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>10.43 dBm</td></tr><tr><td><b>17.6601 MHz</b></td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>-44.1219 kHz</td><td>x dB</td><td>-26.00 dB</td></tr><tr><td>x dB Bandwidth</td><td></td><td></td></tr><tr><td>20.477 MHz</td><td></td><td></td></tr></table>	Occupied Bandwidth	Total Power	10.43 dBm	<b>17.6601 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-44.1219 kHz	x dB	-26.00 dB	x dB Bandwidth			20.477 MHz		
Occupied Bandwidth	Total Power	10.43 dBm																	
<b>17.6601 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-44.1219 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
20.477 MHz																			
5200 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.20000000 GHz Trig: Free Run #Atten: 30 dB Radio Std: None Radio Device: BTS</p> <p>Center 5.2 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>12.79 dBm</td></tr><tr><td><b>17.7679 MHz</b></td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>-38.0726 kHz</td><td>x dB</td><td>-26.00 dB</td></tr><tr><td>x dB Bandwidth</td><td></td><td></td></tr><tr><td>27.581 MHz</td><td></td><td></td></tr></table>	Occupied Bandwidth	Total Power	12.79 dBm	<b>17.7679 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-38.0726 kHz	x dB	-26.00 dB	x dB Bandwidth			27.581 MHz		
Occupied Bandwidth	Total Power	12.79 dBm																	
<b>17.7679 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-38.0726 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
27.581 MHz																			
5240 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.24000000 GHz Trig: Free Run #Atten: 30 dB Radio Std: None Radio Device: BTS</p> <p>Center 5.24 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>12.25 dBm</td></tr><tr><td><b>17.7997 MHz</b></td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>-47.2660 kHz</td><td>x dB</td><td>-26.00 dB</td></tr><tr><td>x dB Bandwidth</td><td></td><td></td></tr><tr><td>25.277 MHz</td><td></td><td></td></tr></table>	Occupied Bandwidth	Total Power	12.25 dBm	<b>17.7997 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-47.2660 kHz	x dB	-26.00 dB	x dB Bandwidth			25.277 MHz		
Occupied Bandwidth	Total Power	12.25 dBm																	
<b>17.7997 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-47.2660 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
25.277 MHz																			

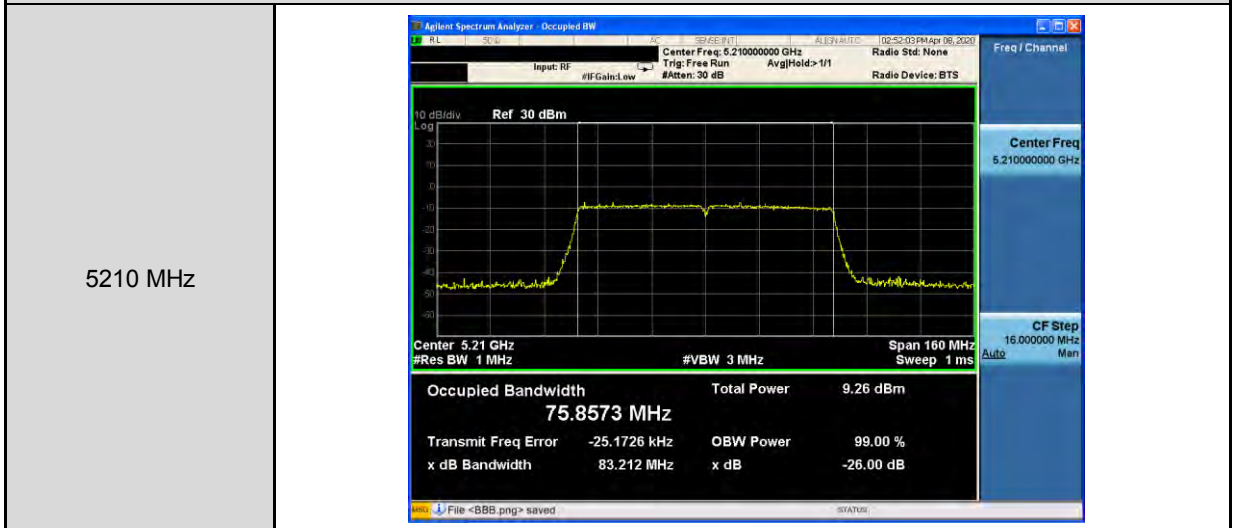




Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode\_ ANT-0



Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode\_ ANT-0



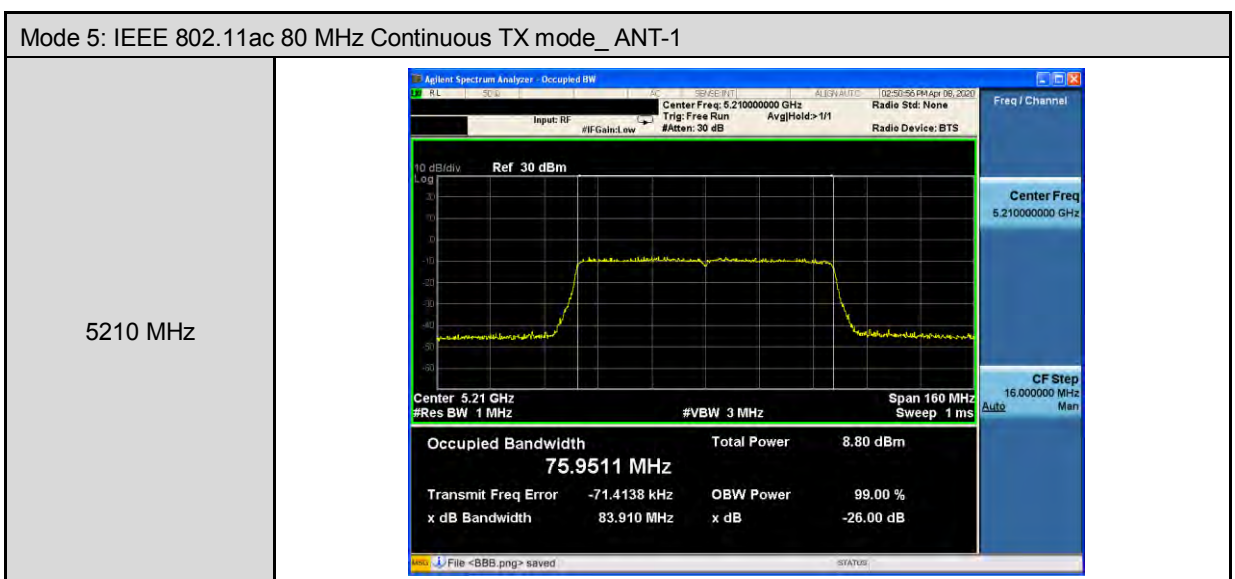
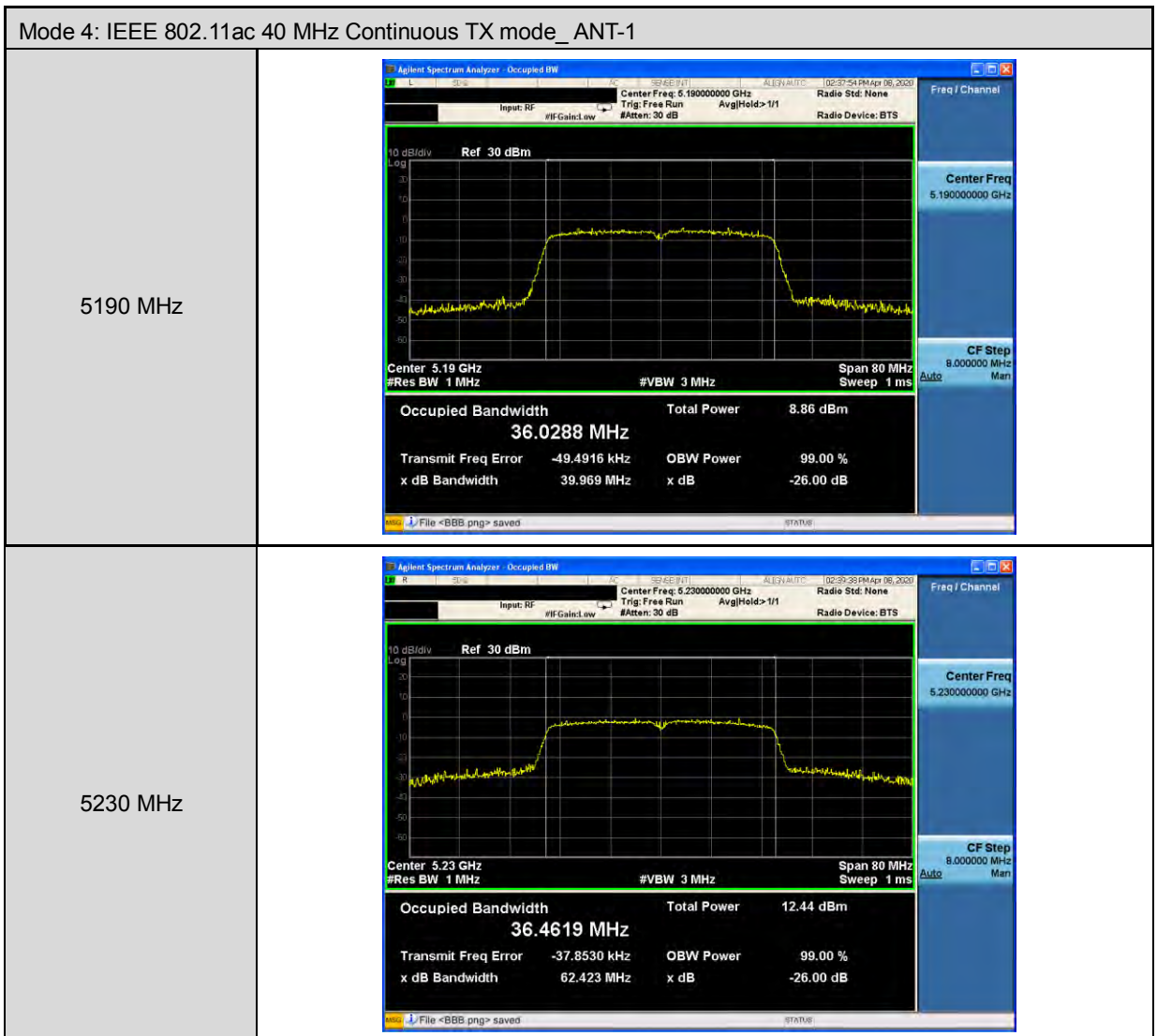


Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5180 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.18000000 GHz</p> <p>Center 5.18 GHz</p> <p>Occupied Bandwidth 16.5091 MHz</p> <p>Total Power 9.84 dBm</p> <p>Transmit Freq Error -40.8474 kHz</p> <p>x dB Bandwidth 20.299 MHz</p>
5200 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.20000000 GHz</p> <p>Center 5.2 GHz</p> <p>Occupied Bandwidth 16.6271 MHz</p> <p>Total Power 12.21 dBm</p> <p>Transmit Freq Error -47.7013 kHz</p> <p>x dB Bandwidth 25.935 MHz</p>
5240 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.24000000 GHz</p> <p>Center 5.24 GHz</p> <p>Occupied Bandwidth 16.5828 MHz</p> <p>Total Power 11.43 dBm</p> <p>Transmit Freq Error -46.7413 kHz</p> <p>x dB Bandwidth 26.530 MHz</p>



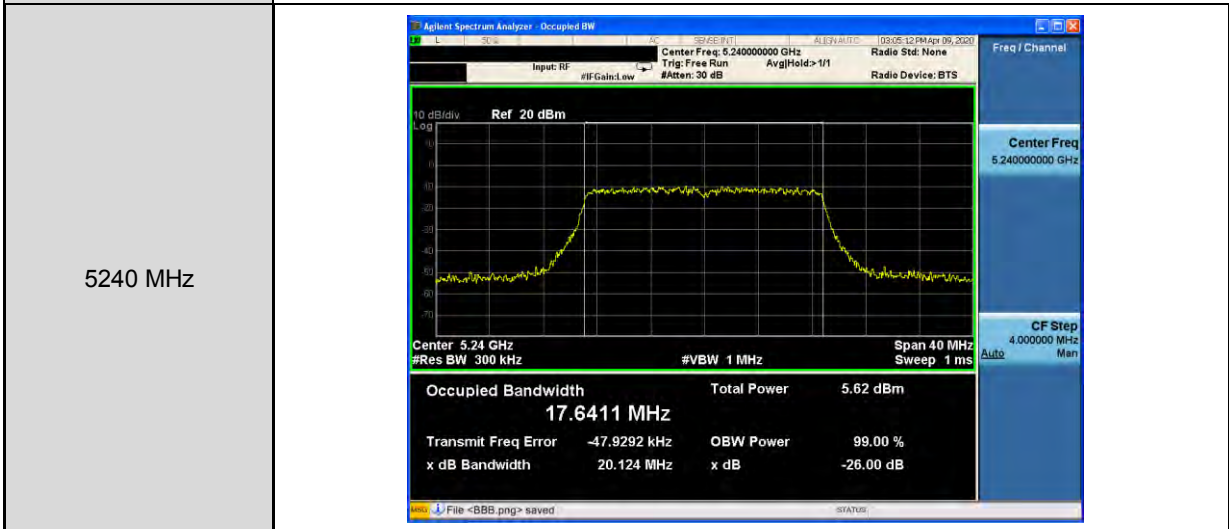
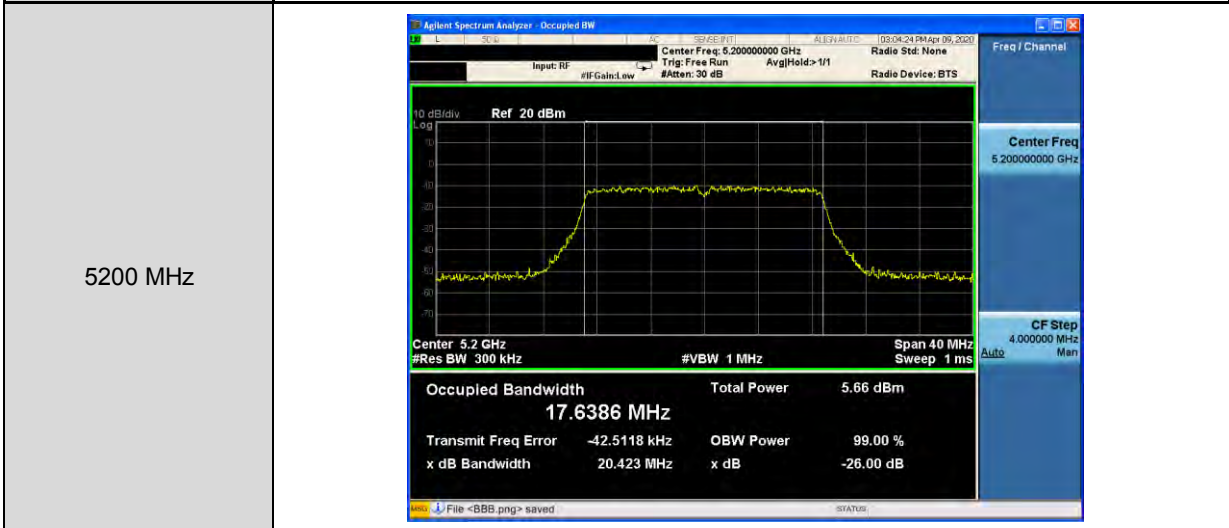
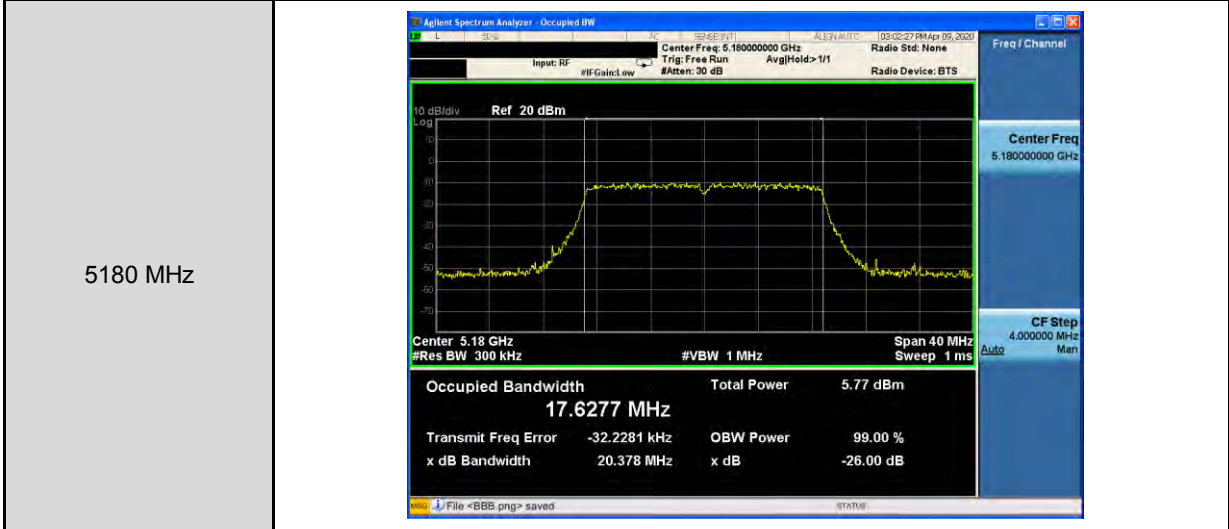
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ ANT-1	
5180 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.18000000 GHz</p> <p>Center 5.18 GHz</p> <p>Occupied Bandwidth 17.6730 MHz</p> <p>Total Power 9.27 dBm</p> <p>Transmit Freq Error -50.5932 kHz</p> <p>x dB Bandwidth 20.732 MHz</p>
5200 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.20000000 GHz</p> <p>Center 5.2 GHz</p> <p>Occupied Bandwidth 17.7729 MHz</p> <p>Total Power 10.68 dBm</p> <p>Transmit Freq Error -43.3970 kHz</p> <p>x dB Bandwidth 25.649 MHz</p>
5240 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.24000000 GHz</p> <p>Center 5.24 GHz</p> <p>Occupied Bandwidth 17.7400 MHz</p> <p>Total Power 11.04 dBm</p> <p>Transmit Freq Error -48.3503 kHz</p> <p>x dB Bandwidth 24.054 MHz</p>





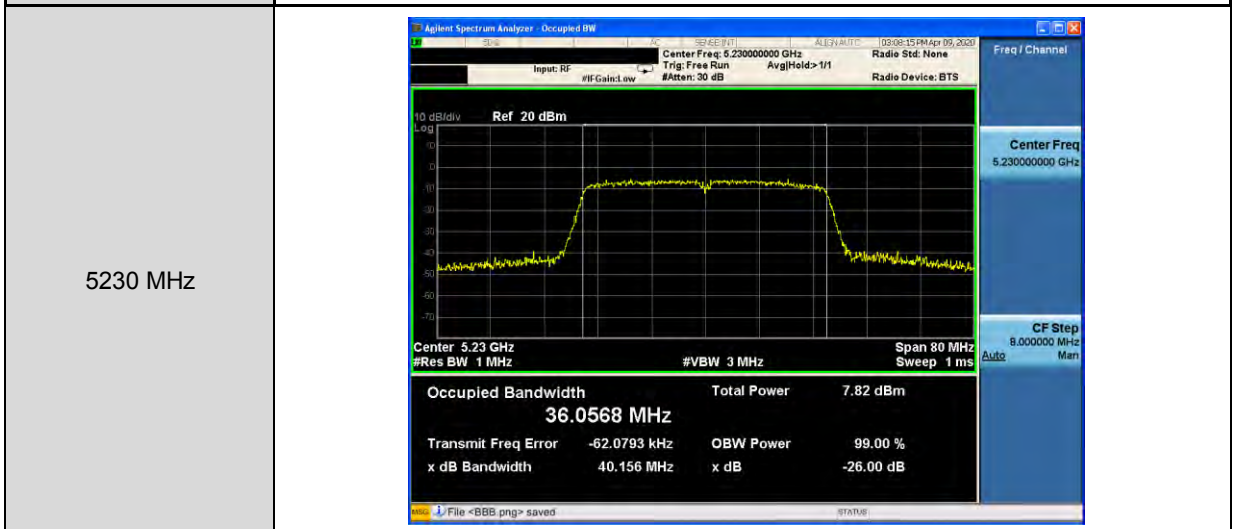
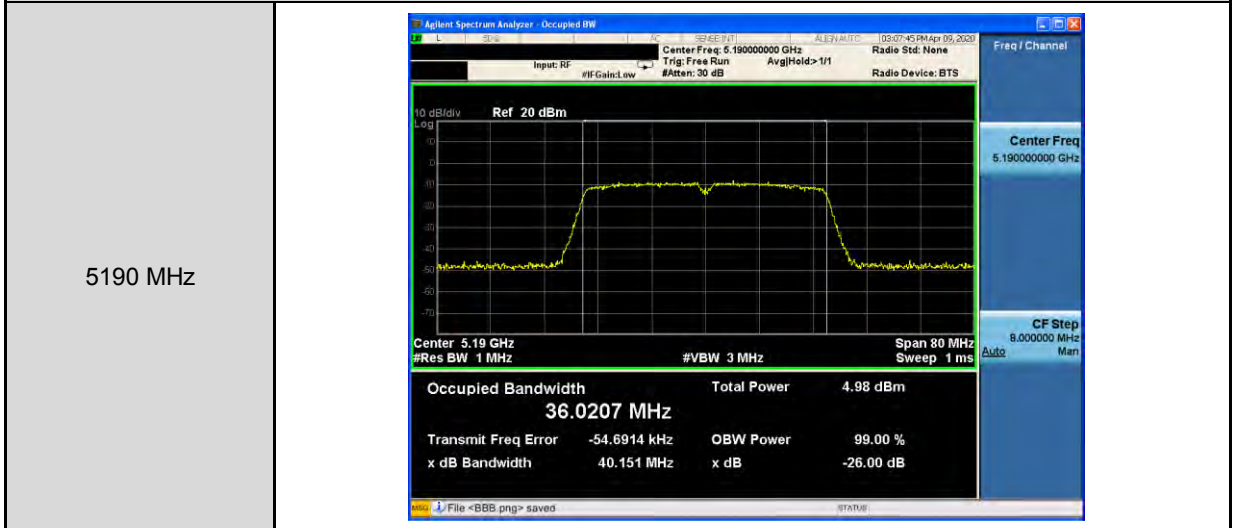
Beamforming on

Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode\_ ANT-0

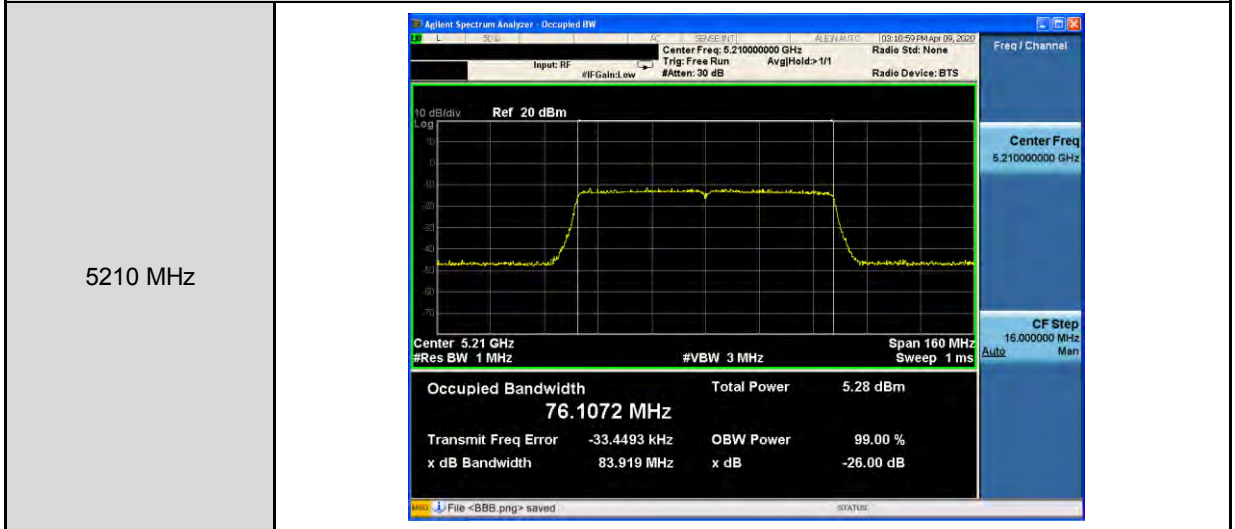




Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode\_ ANT-0



Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode\_ ANT-0



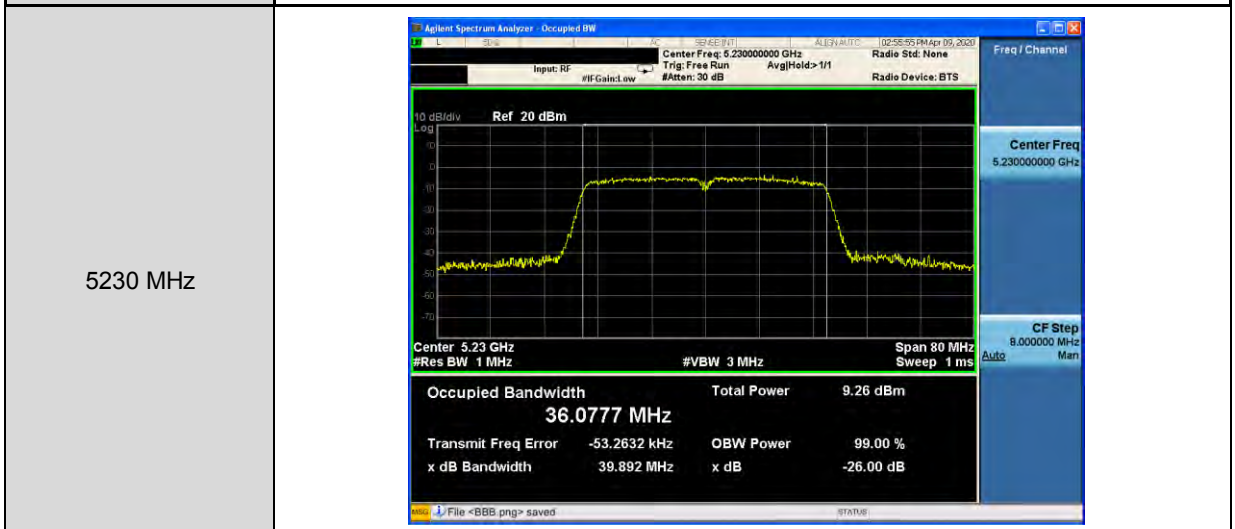
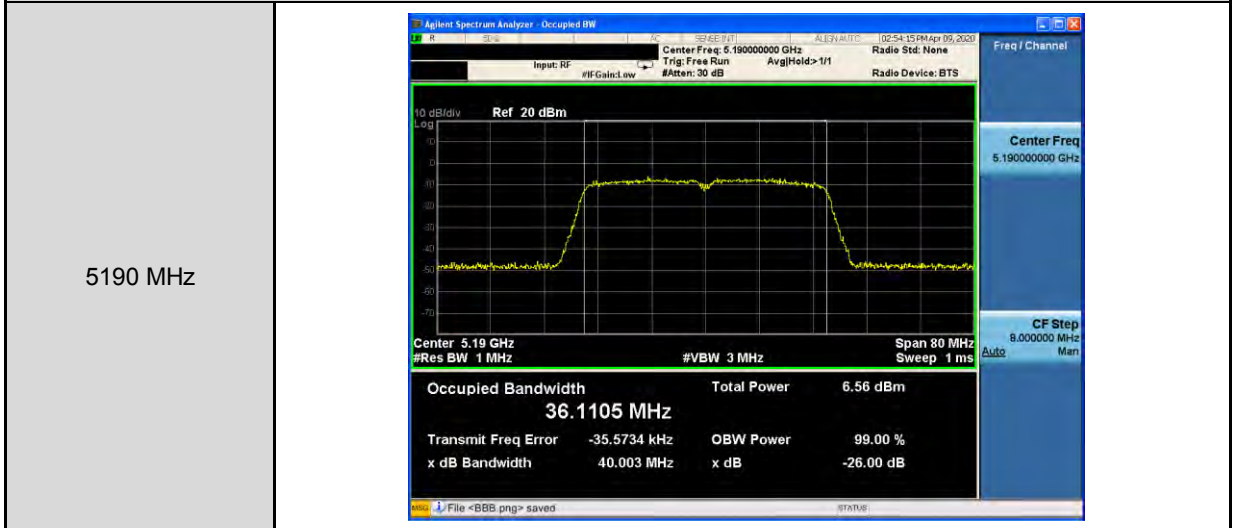




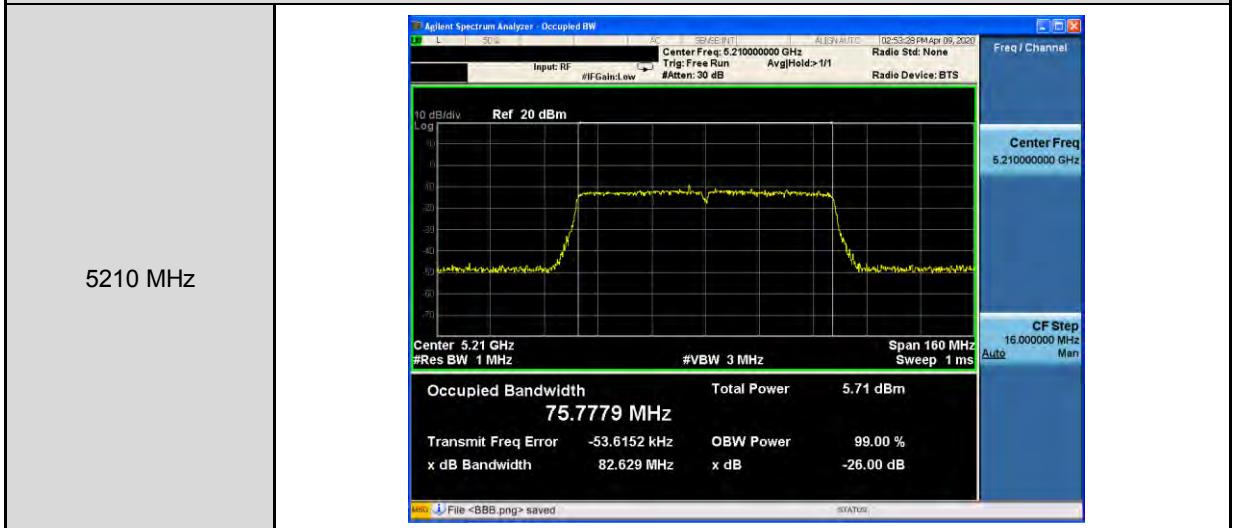
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ ANT-1	
5180 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.18000000 GHz</p> <p>Ref 20 dBm</p> <p>Center 5.18 GHz</p> <p>Occupied Bandwidth 17.6410 MHz</p> <p>Total Power 7.07 dBm</p> <p>Transmit Freq Error -46.3353 kHz</p> <p>x dB Bandwidth 20.250 MHz</p>
5200 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.20000000 GHz</p> <p>Ref 20 dBm</p> <p>Center 5.2 GHz</p> <p>Occupied Bandwidth 17.6474 MHz</p> <p>Total Power 7.62 dBm</p> <p>Transmit Freq Error -39.4264 kHz</p> <p>x dB Bandwidth 20.143 MHz</p>
5240 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.24000000 GHz</p> <p>Ref 20 dBm</p> <p>Center 5.24 GHz</p> <p>Occupied Bandwidth 17.6465 MHz</p> <p>Total Power 7.60 dBm</p> <p>Transmit Freq Error -26.2796 kHz</p> <p>x dB Bandwidth 20.304 MHz</p>



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode\_ ANT-1



Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode\_ ANT-1







**6 dB RF Bandwidth Measurement**

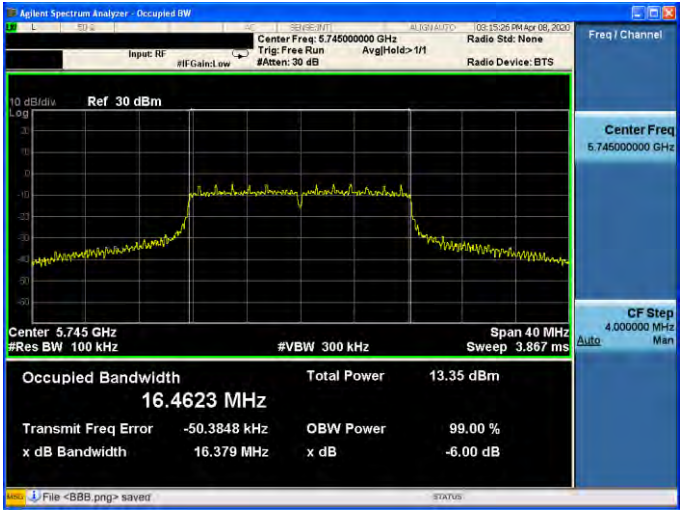
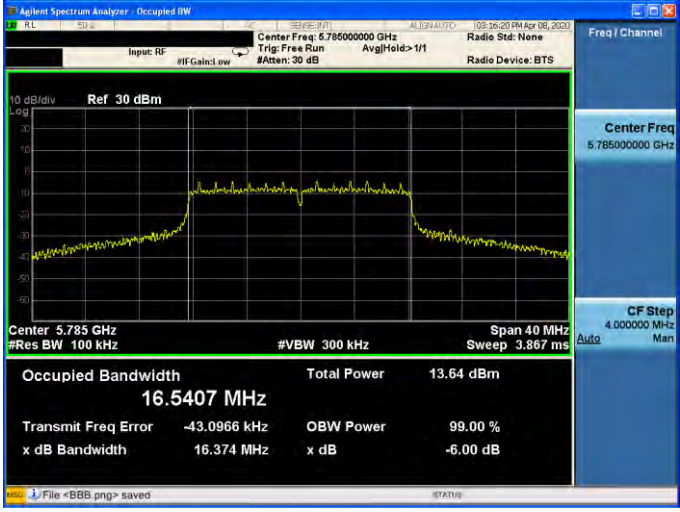
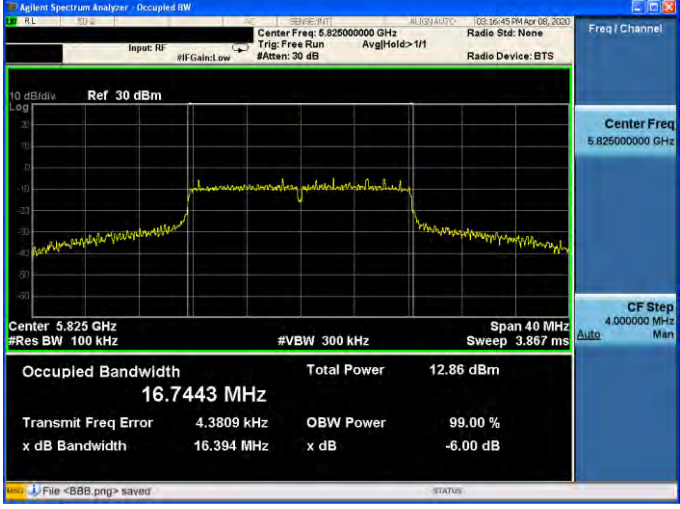
Test Mode	Mode 2: IEEE 802.11a Continuous TX mode	
Frequency (MHz)	ANT-0	Limit (kHz)
5745.0	16379	≥ 500
5785.0	16374	≥ 500
5825.0	16394	≥ 500
Frequency (MHz)	ANT-1	Limit (kHz)
5745.0	16430	≥ 500
5785.0	16379	≥ 500
5825.0	16351	≥ 500
Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode	
Frequency (MHz)	ANT-0	Limit (kHz)
5745.0	17584	≥ 500
5785.0	17586	≥ 500
5825.0	17623	≥ 500
Frequency (MHz)	ANT-1	Limit (kHz)
5745.0	17636	≥ 500
5785.0	17610	≥ 500
5825.0	17594	≥ 500
Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode	
Frequency (MHz)	ANT-0	Limit (kHz)
5755.0	35234	≥ 500
5795.0	35191	≥ 500
Frequency (MHz)	ANT-1	Limit (kHz)
5755.0	35370	≥ 500
5795.0	35182	≥ 500
Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode	
Frequency (MHz)	ANT-0	Limit (kHz)
5775.0	75526	≥ 500
Frequency (MHz)	ANT-1	Limit (kHz)
5775.0	75841	≥ 500



Beamforming on

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode	
Frequency (MHz)	ANT-0	Limit (kHz)
5745.0	17604	≥ 500
5785.0	17603	≥ 500
5825.0	17591	≥ 500
Frequency (MHz)	ANT-1	Limit (kHz)
5745.0	17594	≥ 500
5785.0	17659	≥ 500
5825.0	17599	≥ 500
Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode	
Frequency (MHz)	ANT-0	Limit (kHz)
5755.0	34458	≥ 500
5795.0	35198	≥ 500
Frequency (MHz)	ANT-1	Limit (kHz)
5755.0	35339	≥ 500
5795.0	35238	≥ 500
Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode	
Frequency (MHz)	ANT-0	Limit (kHz)
5775.0	76053	≥ 500
Frequency (MHz)	ANT-1	Limit (kHz)
5775.0	75867	≥ 500

■ Test Graphs

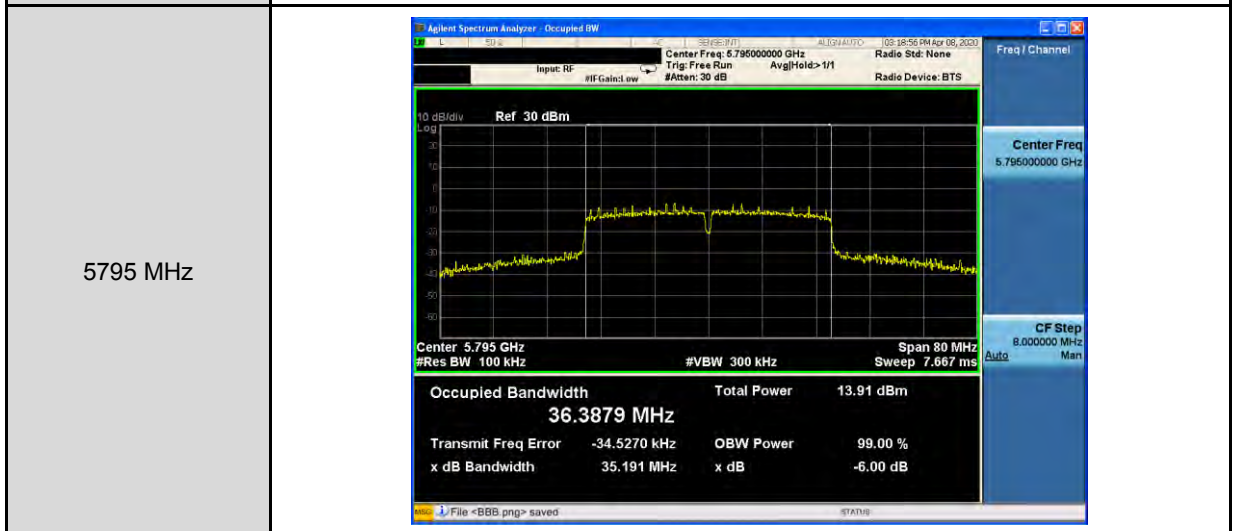
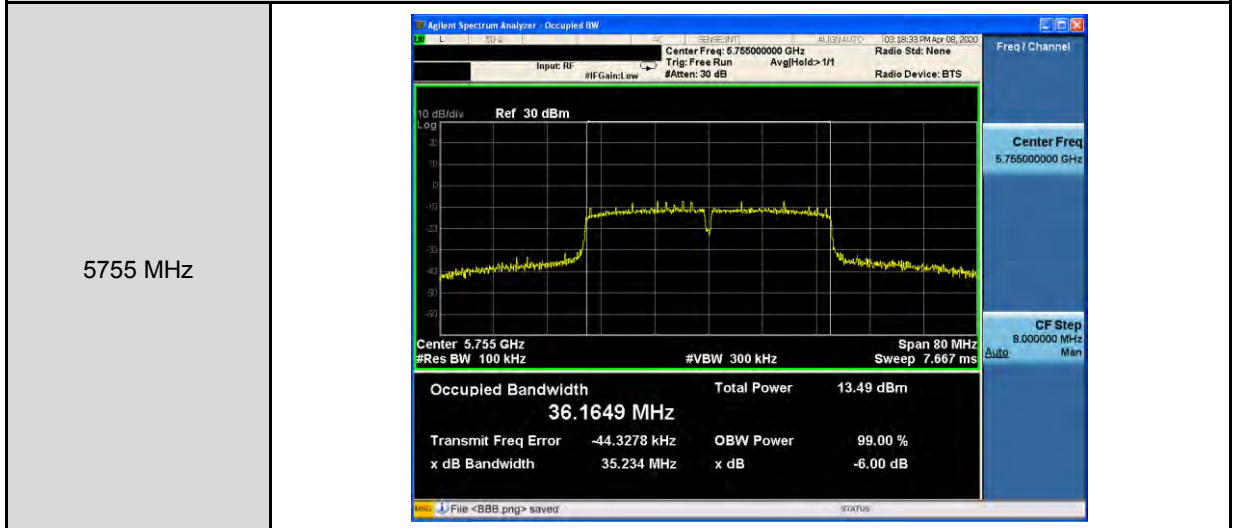
Mode 2: IEEE 802.11a Continuous TX mode_ANT-0	
5745 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz</p> <p>Ref 30 dBm</p> <p>Center 5.745 GHz</p> <p>Occupied Bandwidth: 16.4623 MHz</p> <p>Total Power: 13.35 dBm</p> <p>Transmit Freq Error: -50.3848 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 16.379 MHz</p> <p>x dB: -6.00 dB</p>
5785 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz</p> <p>Ref 30 dBm</p> <p>Center 5.785 GHz</p> <p>Occupied Bandwidth: 16.5407 MHz</p> <p>Total Power: 13.64 dBm</p> <p>Transmit Freq Error: -43.0966 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 16.374 MHz</p> <p>x dB: -6.00 dB</p>
5825 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.825000000 GHz</p> <p>Ref 30 dBm</p> <p>Center 5.825 GHz</p> <p>Occupied Bandwidth: 16.7443 MHz</p> <p>Total Power: 12.86 dBm</p> <p>Transmit Freq Error: 4.3809 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 16.394 MHz</p> <p>x dB: -6.00 dB</p>



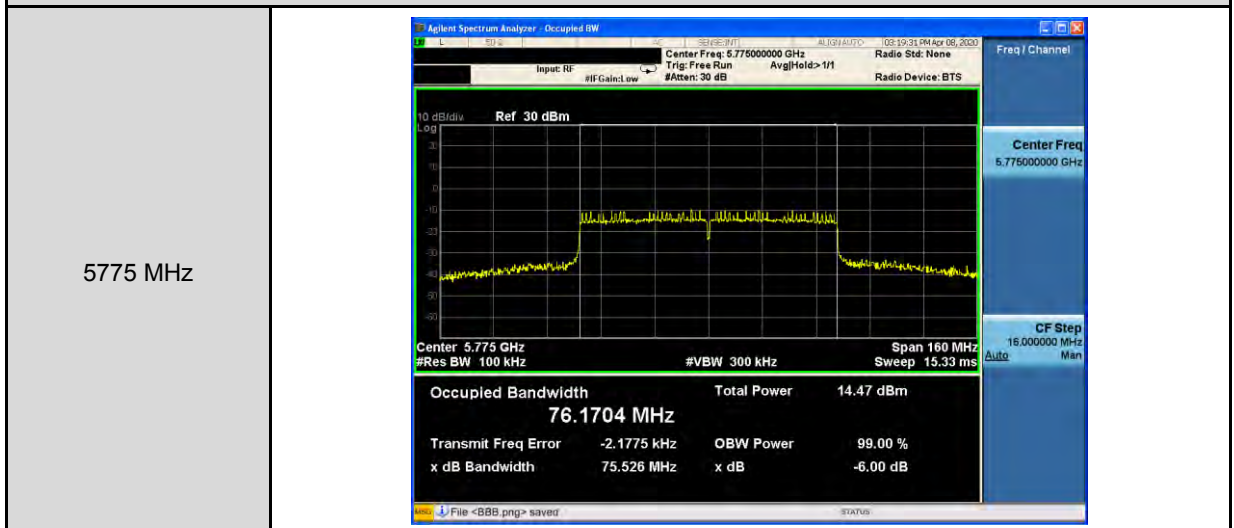
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-0	
5745 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz</p> <p>Ref 30 dBm</p> <p>Center 5.745 GHz</p> <p>Span 40 MHz</p> <p>Occupied Bandwidth 17.6540 MHz</p> <p>Total Power 12.87 dBm</p> <p>Transmit Freq Error -50.7279 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.584 MHz</p> <p>x dB -6.00 dB</p>
5785 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz</p> <p>Ref 30 dBm</p> <p>Center 5.785 GHz</p> <p>Span 40 MHz</p> <p>Occupied Bandwidth 17.7308 MHz</p> <p>Total Power 12.86 dBm</p> <p>Transmit Freq Error -46.3133 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.586 MHz</p> <p>x dB -6.00 dB</p>
5825 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.825000000 GHz</p> <p>Ref 30 dBm</p> <p>Center 5.825 GHz</p> <p>Span 40 MHz</p> <p>Occupied Bandwidth 17.9102 MHz</p> <p>Total Power 12.82 dBm</p> <p>Transmit Freq Error -33.3542 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.623 MHz</p> <p>x dB -6.00 dB</p>



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode\_ANT-0



Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode\_ANT-0







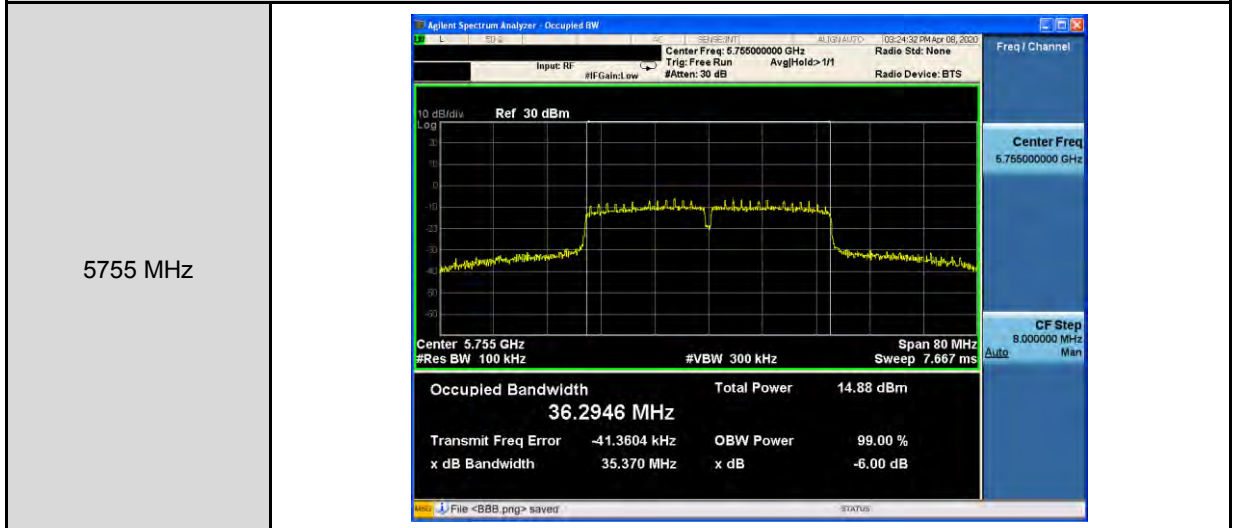
Mode 2: IEEE 802.11a Continuous TX mode_ANT-1	
5745 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz</p> <p>Ref 30 dBm</p> <p>Center 5.745 GHz</p> <p>Occupied Bandwidth 17.0063 MHz</p> <p>Total Power 13.28 dBm</p> <p>Transmit Freq Error 210.0234 kHz</p>
5785 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz</p> <p>Ref 30 dBm</p> <p>Center 5.785 GHz</p> <p>Occupied Bandwidth 16.5739 MHz</p> <p>Total Power 14.01 dBm</p> <p>Transmit Freq Error -45.9265 kHz</p>
5825 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.825000000 GHz</p> <p>Ref 30 dBm</p> <p>Center 5.825 GHz</p> <p>Occupied Bandwidth 16.6315 MHz</p> <p>Total Power 13.15 dBm</p> <p>Transmit Freq Error -41.2924 kHz</p>



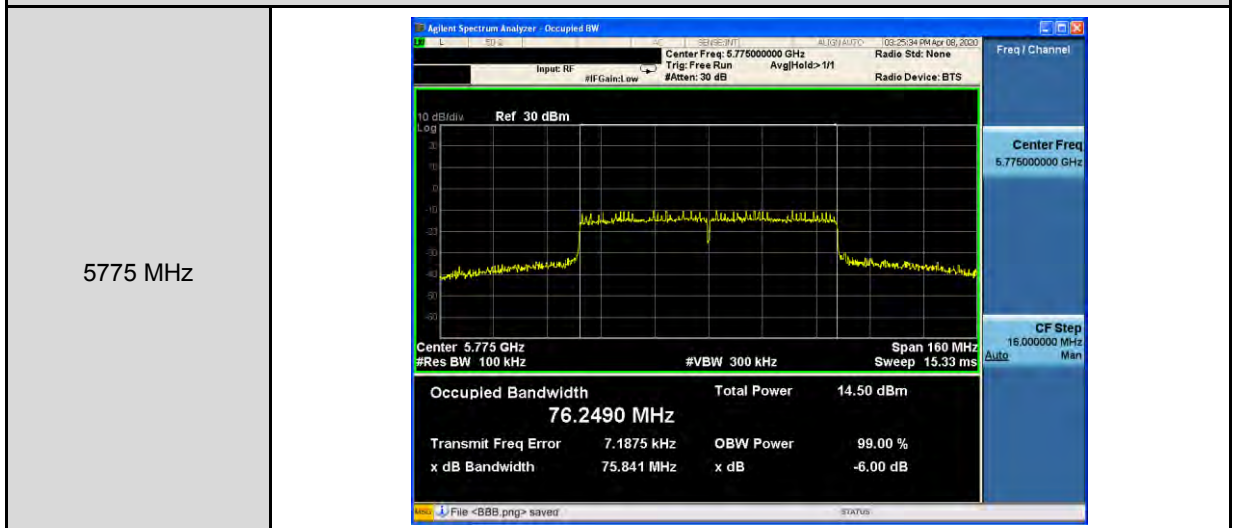
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5745 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz</p> <p>Ref 30 dBm</p> <p>Center 5.745 GHz</p> <p>Occupied Bandwidth 17.7006 MHz</p> <p>Total Power 13.33 dBm</p> <p>Transmit Freq Error -55.3463 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.636 MHz</p> <p>x dB -6.00 dB</p>
5785 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz</p> <p>Ref 30 dBm</p> <p>Center 5.785 GHz</p> <p>Occupied Bandwidth 17.7754 MHz</p> <p>Total Power 13.13 dBm</p> <p>Transmit Freq Error -58.0230 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.610 MHz</p> <p>x dB -6.00 dB</p>
5825 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.825000000 GHz</p> <p>Ref 30 dBm</p> <p>Center 5.825 GHz</p> <p>Occupied Bandwidth 17.8396 MHz</p> <p>Total Power 12.91 dBm</p> <p>Transmit Freq Error -49.5982 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.594 MHz</p> <p>x dB -6.00 dB</p>



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode\_ANT-1



Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode\_ANT-1





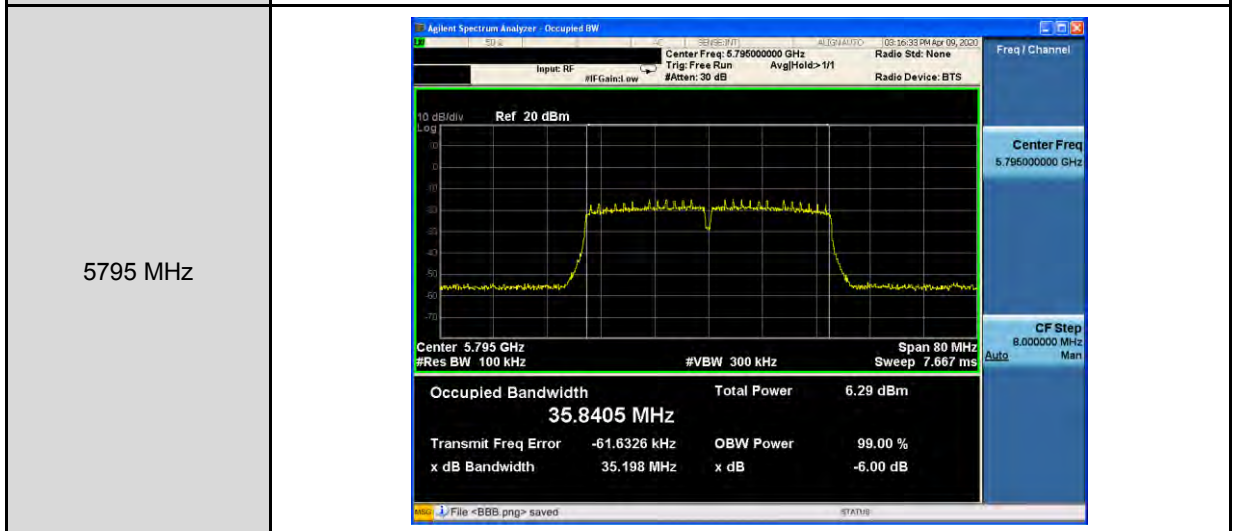
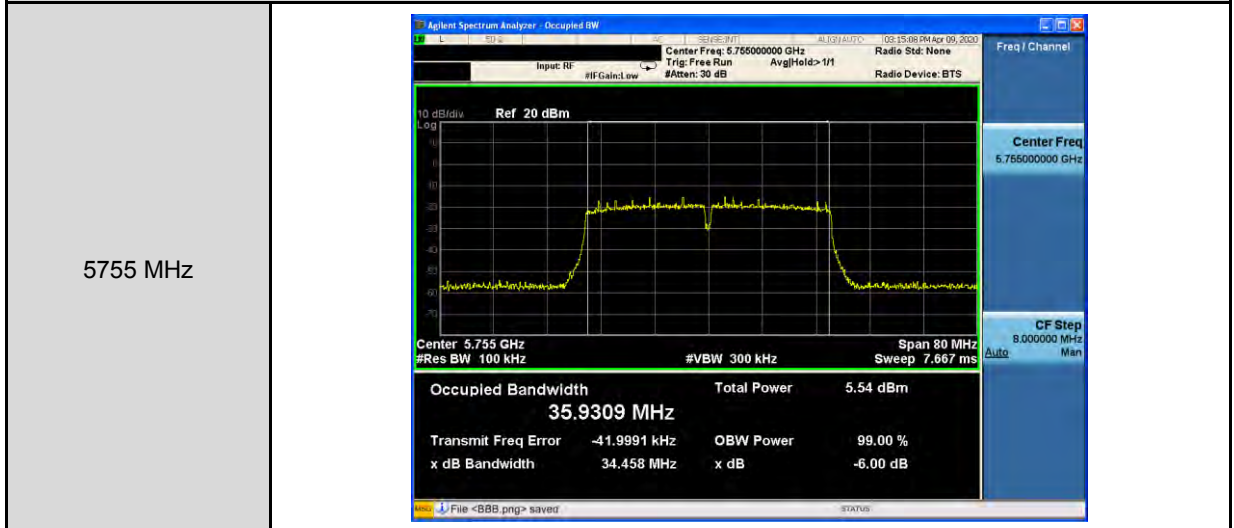
Beamforming on

Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode\_ANT-0

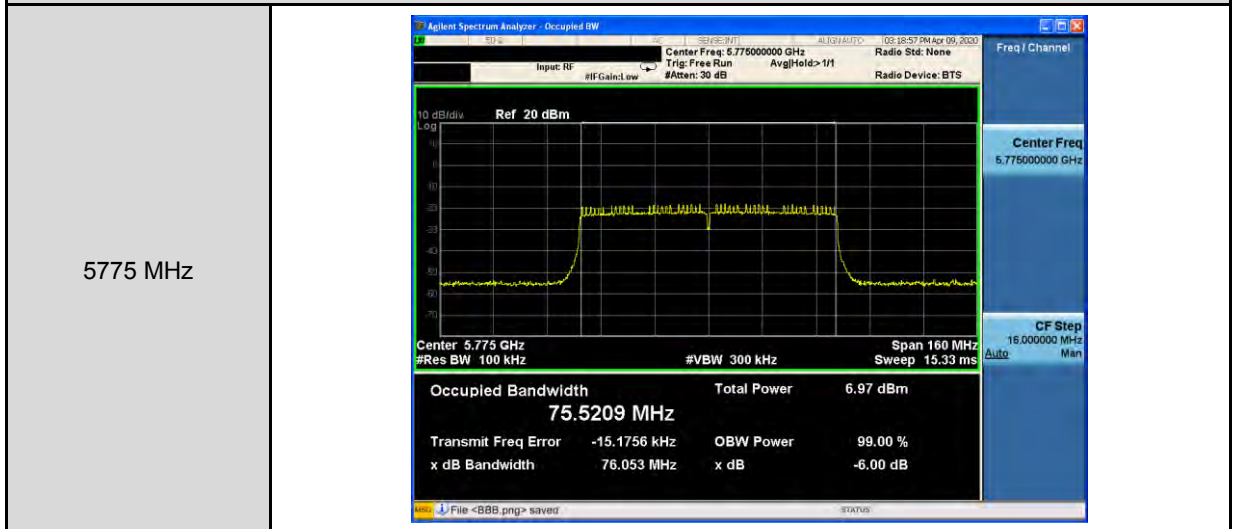
5745 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.74500000 GHz</p> <p>Span 40 MHz</p> <p>Occupied Bandwidth: 17.5801 MHz</p> <p>Total Power: 7.26 dBm</p> <p>Transmit Freq Error: -50.2314 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 17.604 MHz</p> <p>x dB: -6.00 dB</p>
5785 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.78500000 GHz</p> <p>Span 40 MHz</p> <p>Occupied Bandwidth: 17.5881 MHz</p> <p>Total Power: 7.97 dBm</p> <p>Transmit Freq Error: -58.8285 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 17.603 MHz</p> <p>x dB: -6.00 dB</p>
5825 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.82500000 GHz</p> <p>Span 40 MHz</p> <p>Occupied Bandwidth: 17.5801 MHz</p> <p>Total Power: 8.31 dBm</p> <p>Transmit Freq Error: -56.1994 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 17.591 MHz</p> <p>x dB: -6.00 dB</p>



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode\_ANT-0



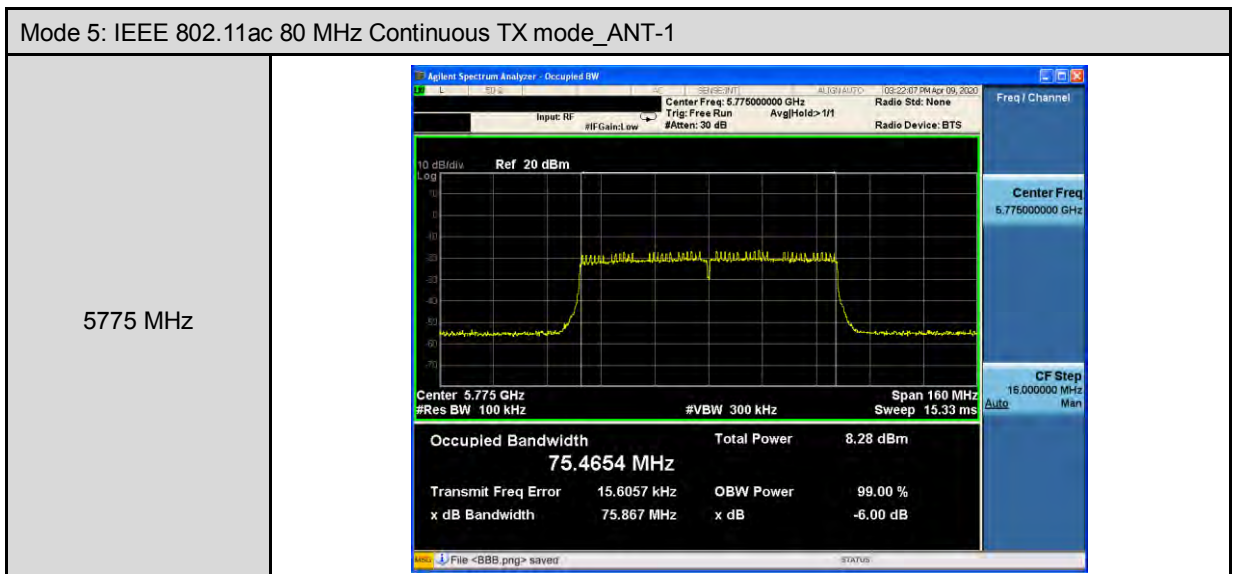
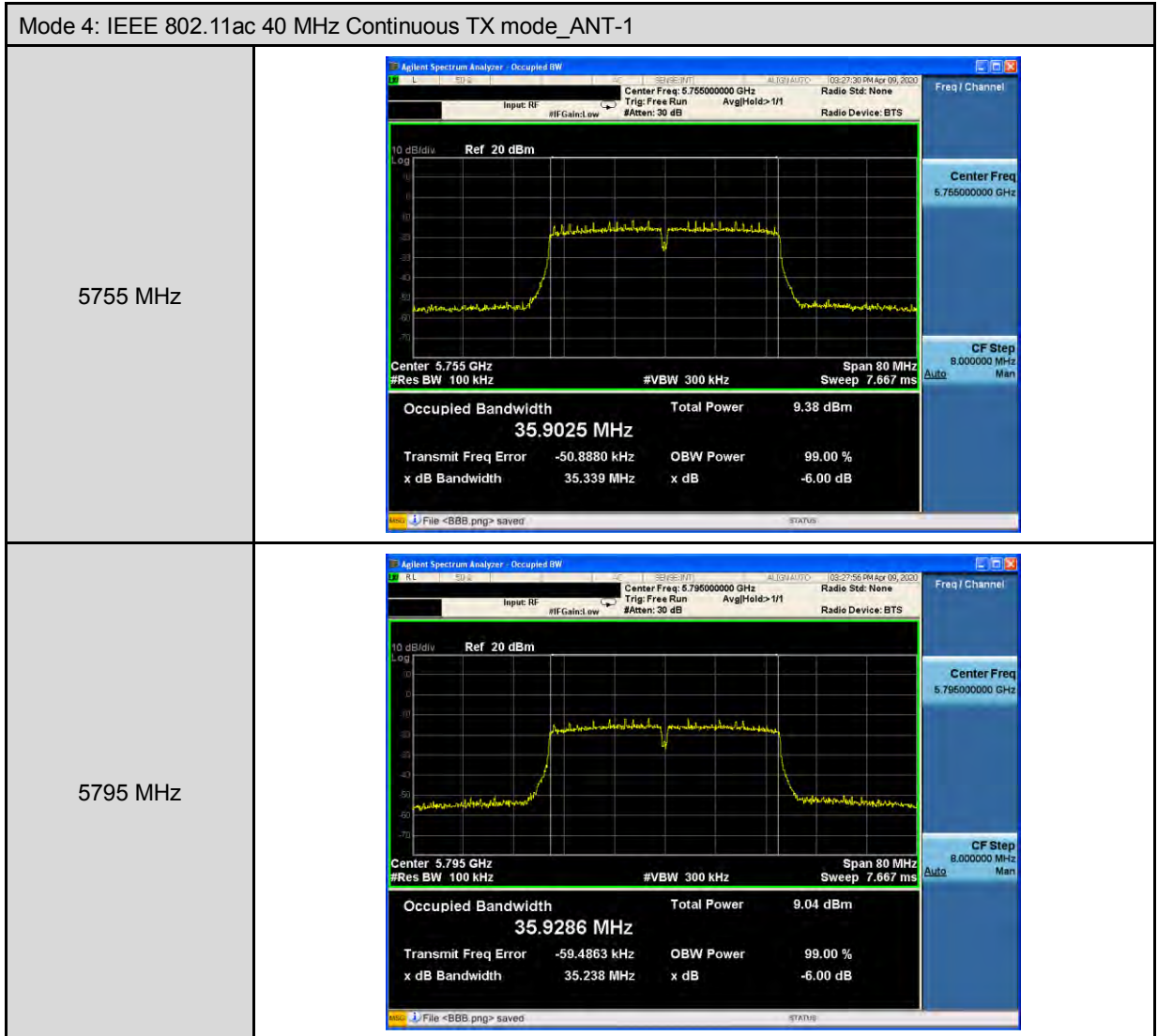
Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode\_ANT-0







Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1																			
5745 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz</p> <p>Ref 20 dBm</p> <p>Center 5.745 GHz</p> <p>Res BW 100 kHz</p> <p>Span 40 MHz</p> <p>VBW 300 kHz</p> <p>Sweep 3.867 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>8.54 dBm</td></tr><tr><td>17.5747 MHz</td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>-59.0969 kHz</td><td>x dB</td><td>-6.00 dB</td></tr><tr><td>x dB Bandwidth</td><td></td><td></td></tr><tr><td>17.594 MHz</td><td></td><td></td></tr></table>	Occupied Bandwidth	Total Power	8.54 dBm	17.5747 MHz			Transmit Freq Error	OBW Power	99.00 %	-59.0969 kHz	x dB	-6.00 dB	x dB Bandwidth			17.594 MHz		
Occupied Bandwidth	Total Power	8.54 dBm																	
17.5747 MHz																			
Transmit Freq Error	OBW Power	99.00 %																	
-59.0969 kHz	x dB	-6.00 dB																	
x dB Bandwidth																			
17.594 MHz																			
5785 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz</p> <p>Ref 20 dBm</p> <p>Center 5.785 GHz</p> <p>Res BW 100 kHz</p> <p>Span 40 MHz</p> <p>VBW 300 kHz</p> <p>Sweep 3.867 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>8.36 dBm</td></tr><tr><td>17.5944 MHz</td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>-58.9865 kHz</td><td>x dB</td><td>-6.00 dB</td></tr><tr><td>x dB Bandwidth</td><td></td><td></td></tr><tr><td>17.659 MHz</td><td></td><td></td></tr></table>	Occupied Bandwidth	Total Power	8.36 dBm	17.5944 MHz			Transmit Freq Error	OBW Power	99.00 %	-58.9865 kHz	x dB	-6.00 dB	x dB Bandwidth			17.659 MHz		
Occupied Bandwidth	Total Power	8.36 dBm																	
17.5944 MHz																			
Transmit Freq Error	OBW Power	99.00 %																	
-58.9865 kHz	x dB	-6.00 dB																	
x dB Bandwidth																			
17.659 MHz																			
5825 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.825000000 GHz</p> <p>Ref 20 dBm</p> <p>Center 5.825 GHz</p> <p>Res BW 100 kHz</p> <p>Span 40 MHz</p> <p>VBW 300 kHz</p> <p>Sweep 3.867 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>8.29 dBm</td></tr><tr><td>17.5828 MHz</td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>-60.7956 kHz</td><td>x dB</td><td>-6.00 dB</td></tr><tr><td>x dB Bandwidth</td><td></td><td></td></tr><tr><td>17.599 MHz</td><td></td><td></td></tr></table>	Occupied Bandwidth	Total Power	8.29 dBm	17.5828 MHz			Transmit Freq Error	OBW Power	99.00 %	-60.7956 kHz	x dB	-6.00 dB	x dB Bandwidth			17.599 MHz		
Occupied Bandwidth	Total Power	8.29 dBm																	
17.5828 MHz																			
Transmit Freq Error	OBW Power	99.00 %																	
-60.7956 kHz	x dB	-6.00 dB																	
x dB Bandwidth																			
17.599 MHz																			





**Maximum Power Spectral Density Measurement**

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	6.496	0.105	6.601	≤ 15.20
5200	7.370	0.105	7.475	
5240	7.668	0.105	7.773	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	6.155	0.105	6.260	≤ 15.20
5200	6.707	0.105	6.812	
5240	6.817	0.105	6.922	
Power Spectral Density and E.I.R.P. Spectral Density				
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180.0	9.444			≤ 15.20
5200.0	10.166			
5240.0	10.378			

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.



Test Mode	Mode 2: IEEE 802.11a Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-0.321	0.105	6.773	≤ 28.67
5785	-0.759	0.105	6.335	
5825	-0.647	0.105	6.447	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-0.191	0.105	6.903	≤ 28.67
5785	-0.306	0.105	6.788	
5825	-0.369	0.105	6.725	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5745	9.849			≤ 28.67
5785	9.578			
5825	9.599			

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10\*Log(500 k/100 k)





Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	5.552	0.052	5.604	≤ 15.20
5200	7.089	0.052	7.141	
5240	7.312	0.052	7.364	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	5.180	0.052	5.232	≤ 15.20
5200	6.406	0.052	6.458	
5240	6.248	0.052	6.300	
Power Spectral Density and E.I.R.P. Spectral Density				
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180.0	8.432			≤ 15.20
5200.0	9.823			
5240.0	9.875			

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.



Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-1.150	0.052	5.892	≤ 28.67
5785	-0.918	0.052	6.124	
5825	-0.879	0.052	6.163	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-0.610	0.052	6.432	≤ 28.67
5785	-0.562	0.052	6.480	
5825	-0.632	0.052	6.410	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5745	9.180			≤ 28.67
5785	9.315			
5825	9.298			

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10\*Log(500 k/100 k)



Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	1.358	0.106	1.464	≤ 15.20
5230	4.781	0.106	4.887	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	0.576	0.106	0.682	≤ 15.20
5230	4.119	0.106	4.225	
Power Spectral Density and E.I.R.P. Spectral Density				
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5190.0	4.100			≤ 15.20
5230.0	7.578			

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.



Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-3.295	0.106	3.800	≤ 28.67
5795	-3.480	0.106	3.615	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-2.734	0.106	4.361	≤ 28.67
5795	-2.542	0.106	4.553	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5755	7.100			≤ 28.67
5795	7.120			

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10\*Log(500 k/100 k)





Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-2.987	0.221	-2.766	≤ 15.20
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-2.966	0.221	-2.745	≤ 15.20
Power Spectral Density and E.I.R.P. Spectral Density				
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5210.0	0.255			≤ 15.20

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.



Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-7.040	0.221	0.171	≤ 28.67
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-6.381	0.221	0.830	≤ 28.67
Frequency (MHz)	ANT-0+1			
		Calculated (dBm/500 kHz)		Limit (dBm/500 kHz)
5775		3.523		≤ 28.67

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10\*Log(500 k/100 k)



Beamforming on

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	2.531	0.052	2.583	≤ 15.20
5200	3.580	0.052	3.632	
5240	3.785	0.052	3.837	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	2.446	0.052	2.498	≤ 15.20
5200	3.260	0.052	3.312	
5240	3.285	0.052	3.337	
Power Spectral Density and E.I.R.P. Spectral Density				
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180.0	5.551			≤ 15.20
5200.0	6.485			
5240.0	6.604			

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.



Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-4.701	0.052	2.341	≤ 28.67
5785	-4.586	0.052	2.456	
5825	-4.456	0.052	2.586	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-4.400	0.052	2.642	≤ 28.67
5785	-4.258	0.052	2.784	
5825	-4.565	0.052	2.477	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5745	5.504			≤ 28.67
5785	5.633			
5825	5.542			

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10\*Log(500 k/100 k)





Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	-1.817	0.106	-1.711	≤ 15.20
5230	1.146	0.106	1.252	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	-2.082	0.106	-1.976	≤ 15.20
5230	0.826	0.106	0.932	
Power Spectral Density and E.I.R.P. Spectral Density				
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5190.0	1.168			≤ 15.20
5230.0	4.105			

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.



Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-7.067	0.106	0.028	≤ 28.67
5795	-6.599	0.106	0.496	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-6.989	0.106	0.106	≤ 28.67
5795	-6.306	0.106	0.789	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5755	3.078			≤ 28.67
5795	3.655			

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10\*Log(500 k/100 k)



Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-5.891	0.221	-5.670	≤ 15.20
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-6.044	0.221	-5.823	≤ 15.20
Power Spectral Density and E.I.R.P. Spectral Density				
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5210.0	-2.736			≤ 15.20

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.



Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-10.481	0.221	-3.270	≤ 28.67
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-9.956	0.221	-2.745	≤ 28.67
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5775	0.010			≤ 28.67

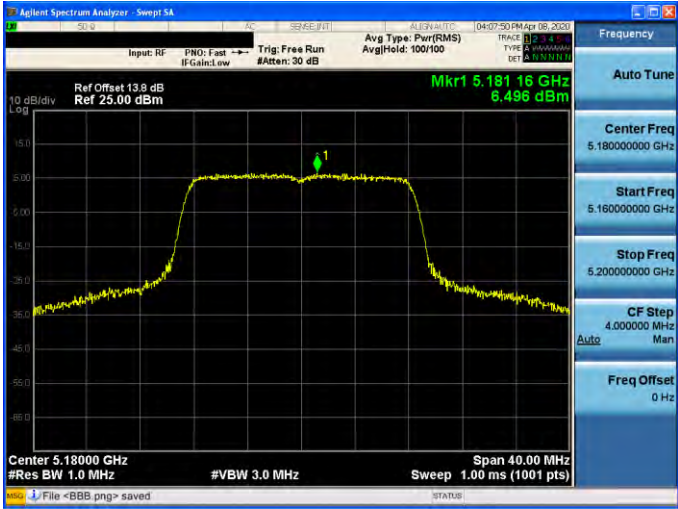
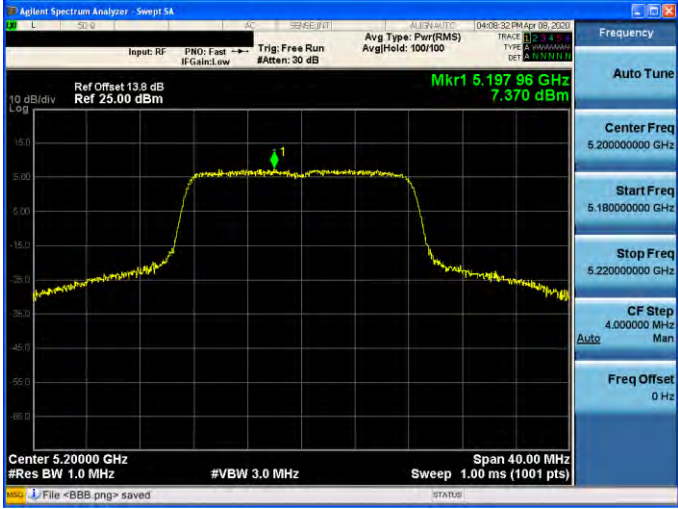
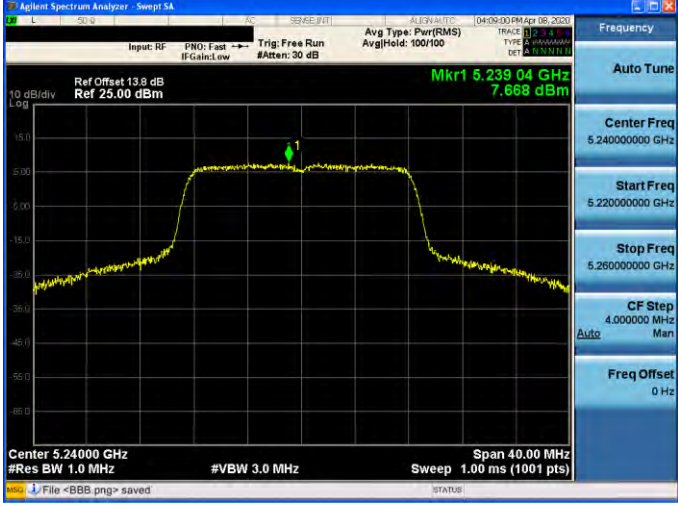
Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10\*Log(500 k/100 k)

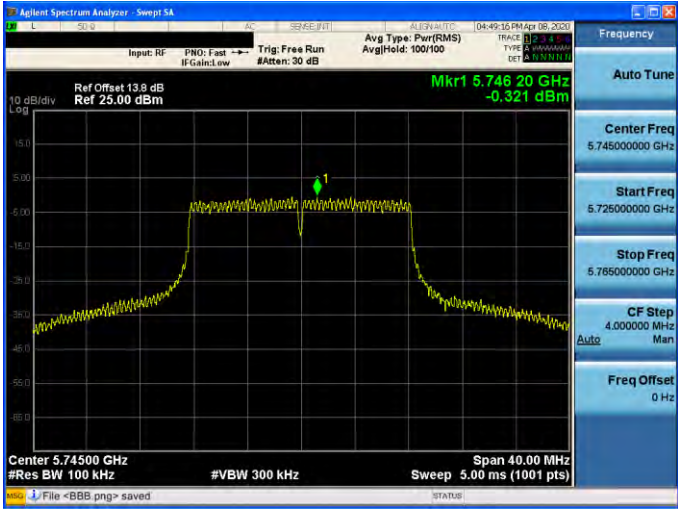
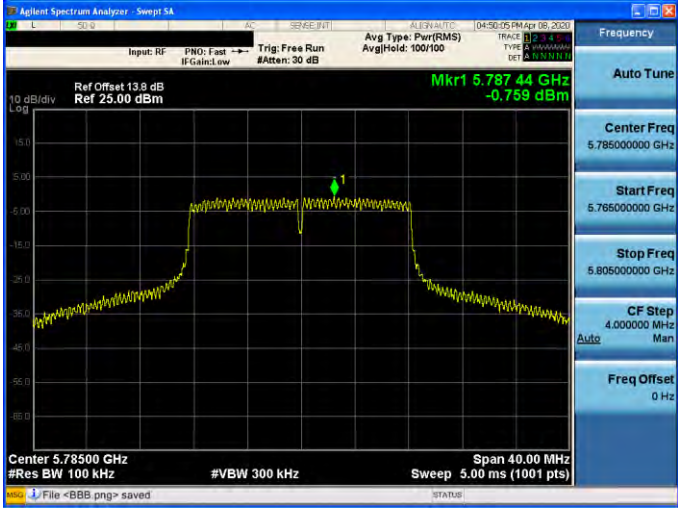
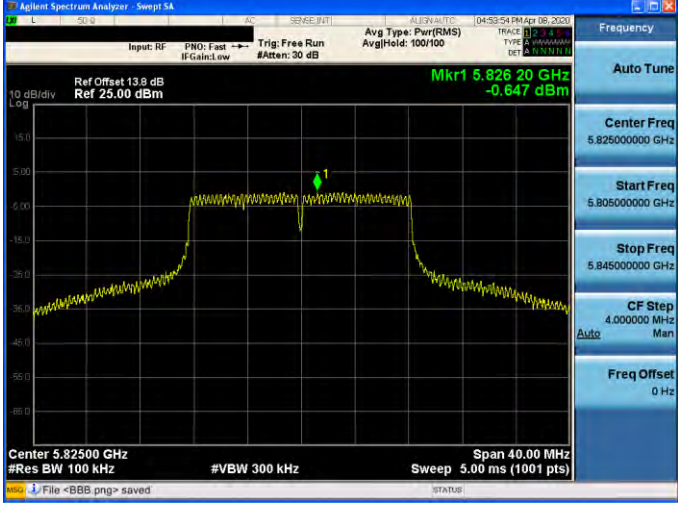




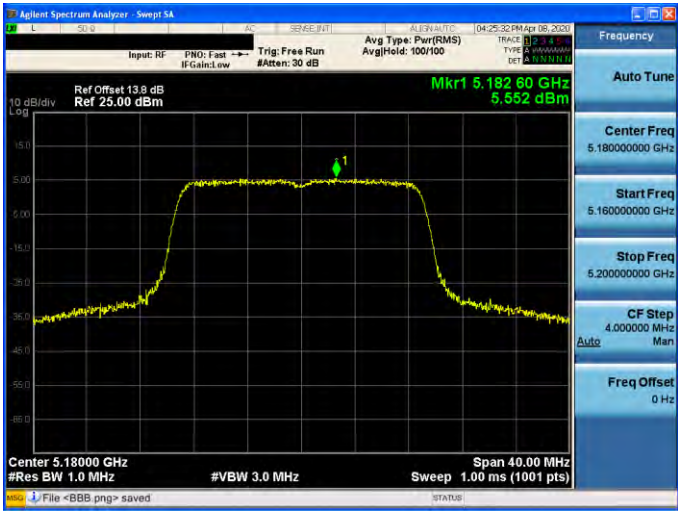
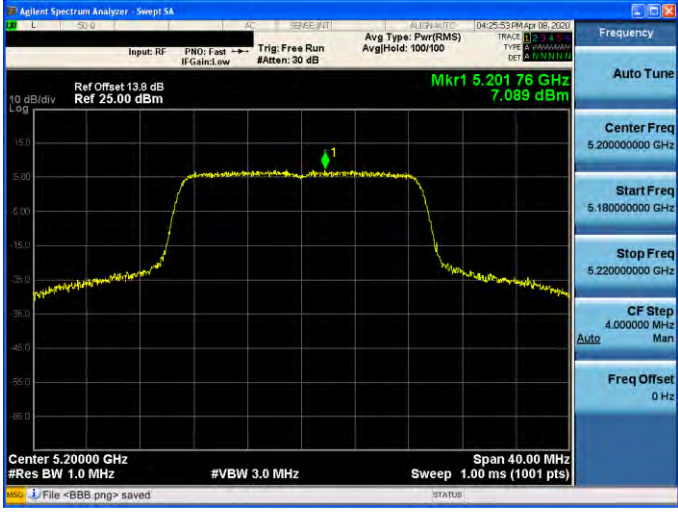

■ Test Graphs

Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0	
5180 MHz	
5200 MHz	
5240 MHz	



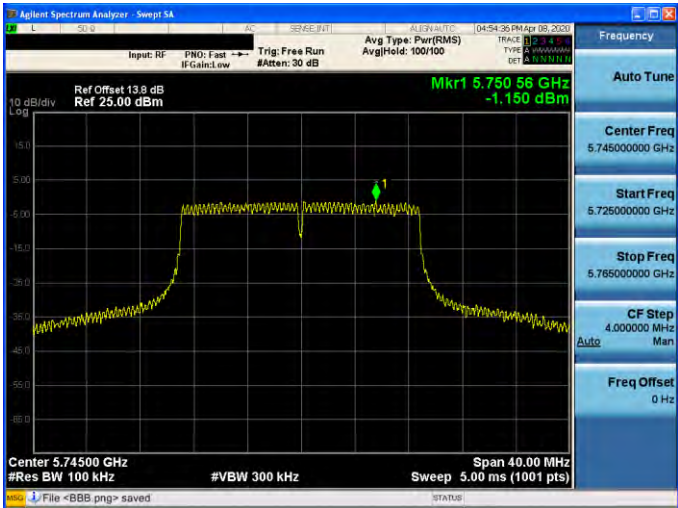
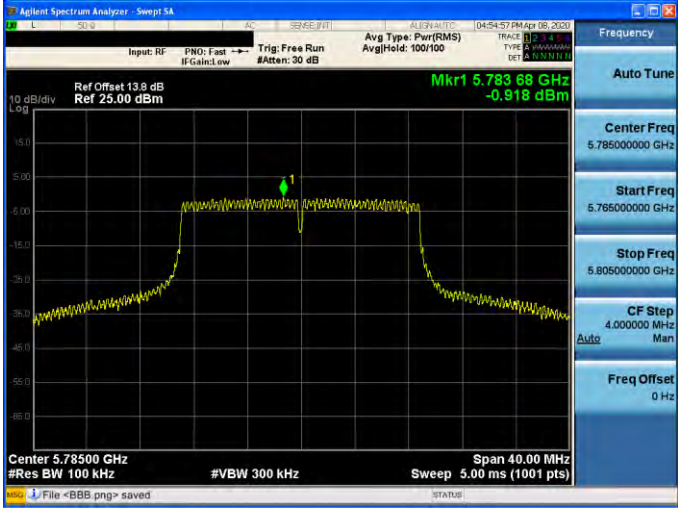
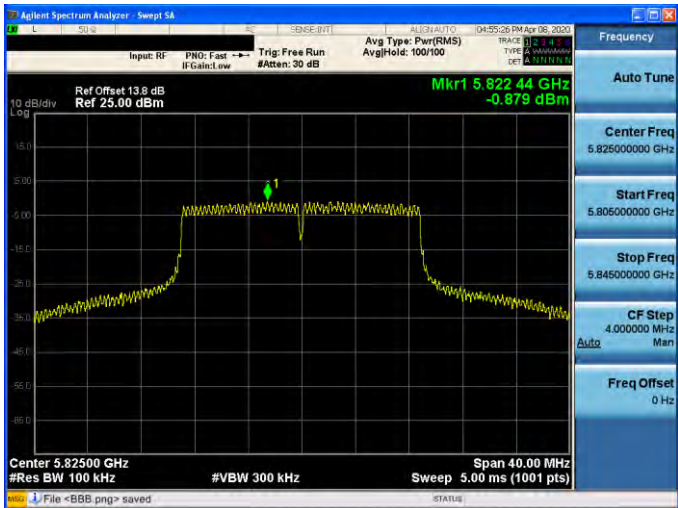
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0	
5745 MHz	
5785 MHz	
5825 MHz	

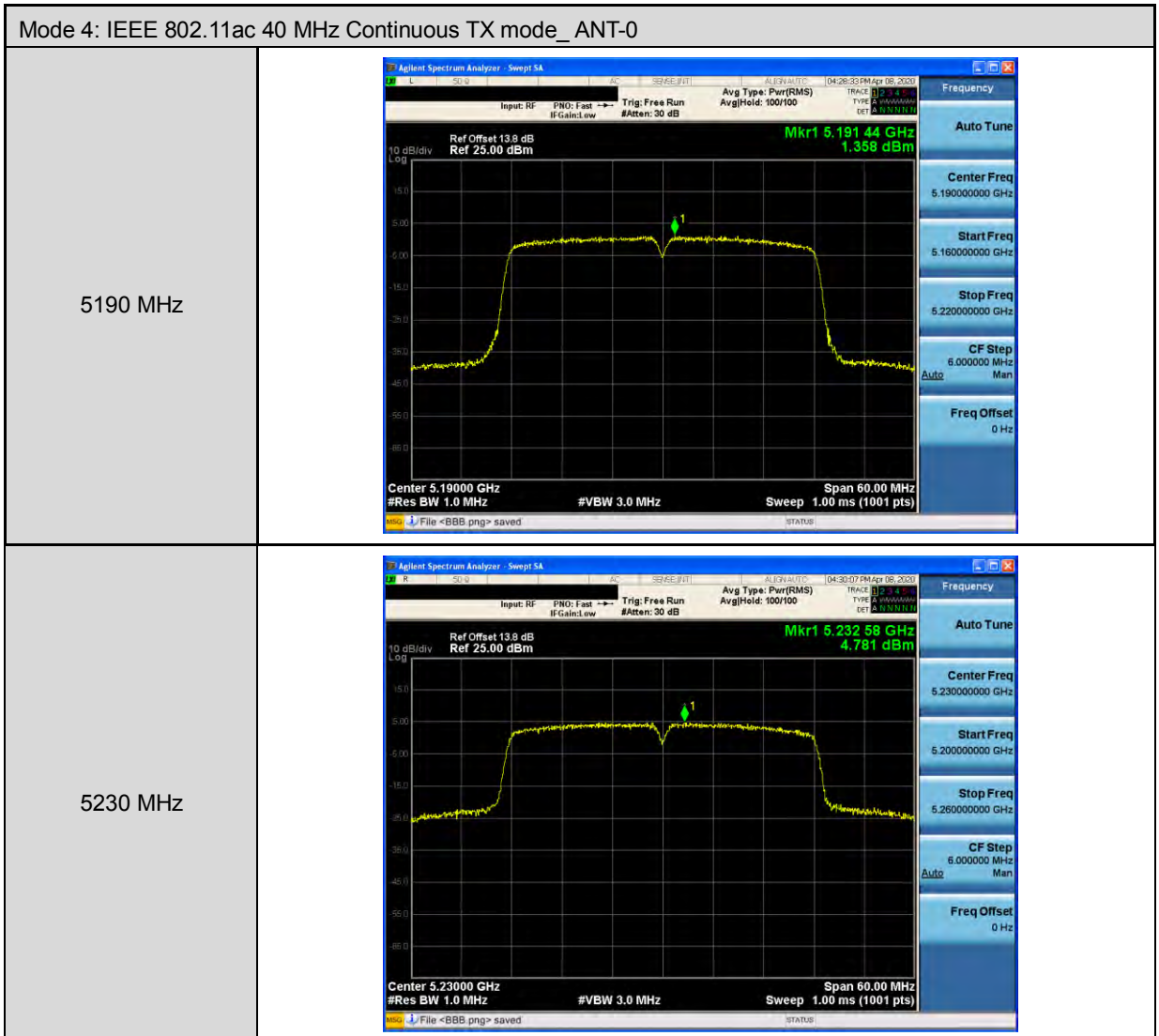


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-0	
5180 MHz	
5200 MHz	
5240 MHz	

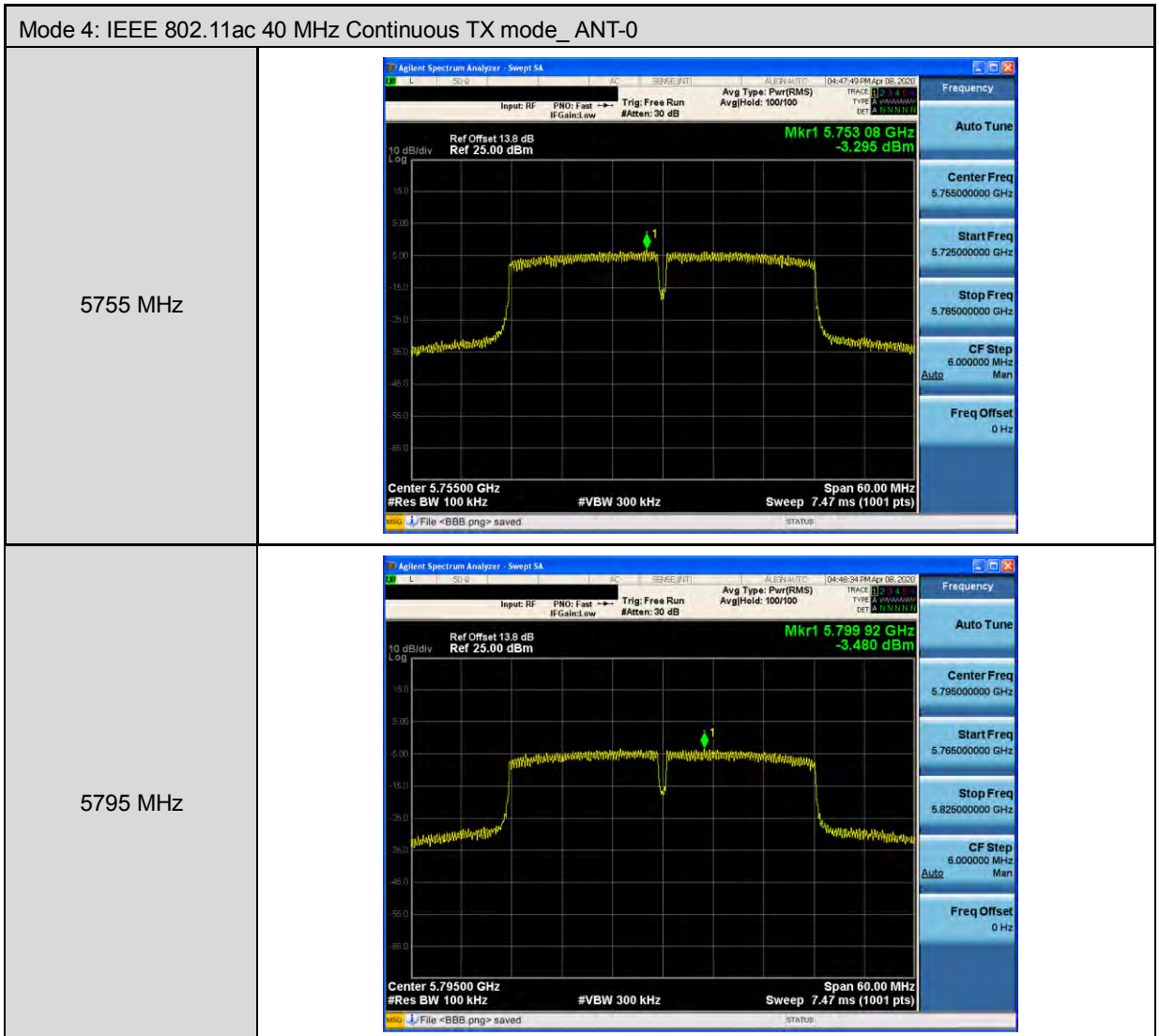


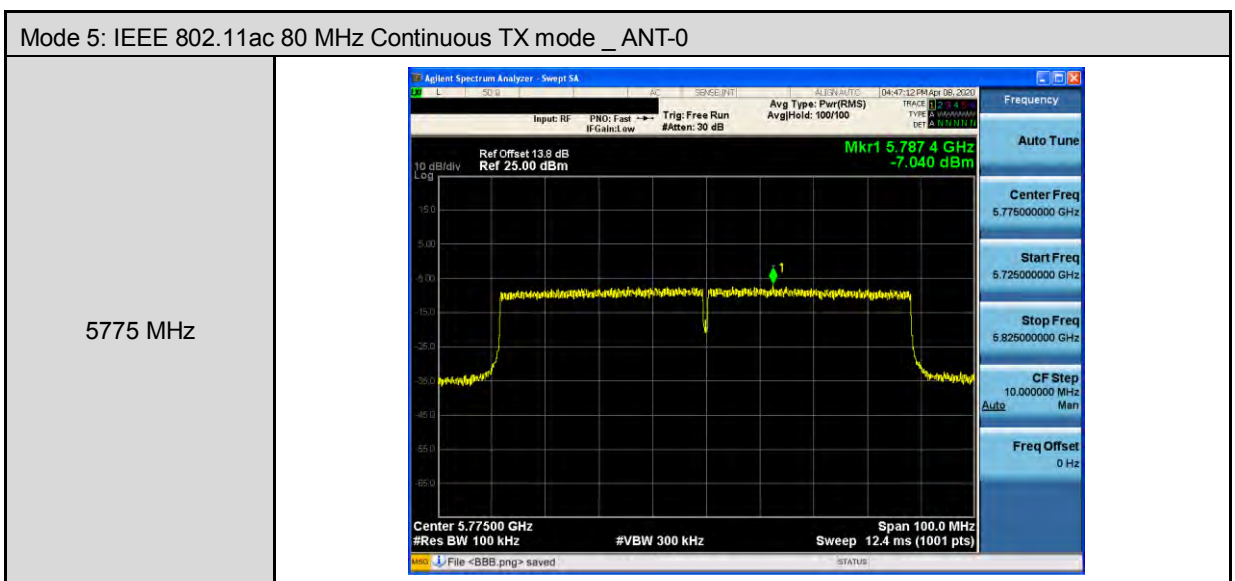
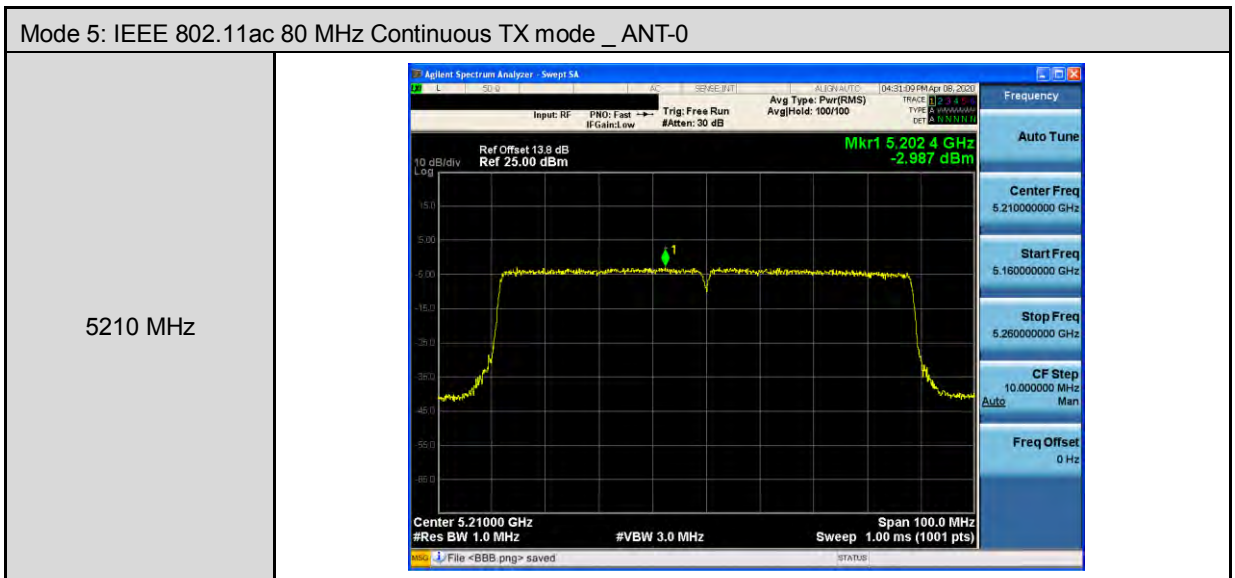


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-0	
5745 MHz	
5785 MHz	
5825 MHz	











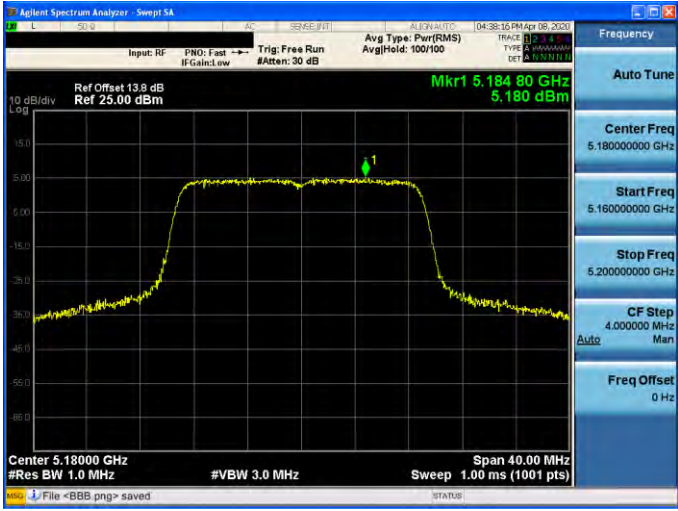
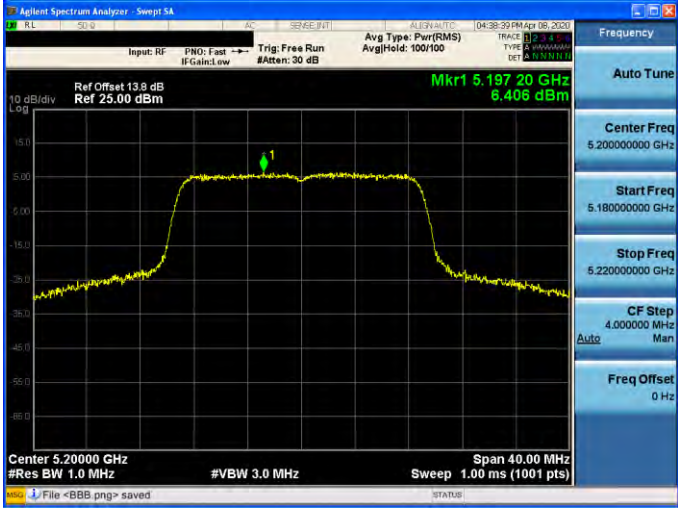
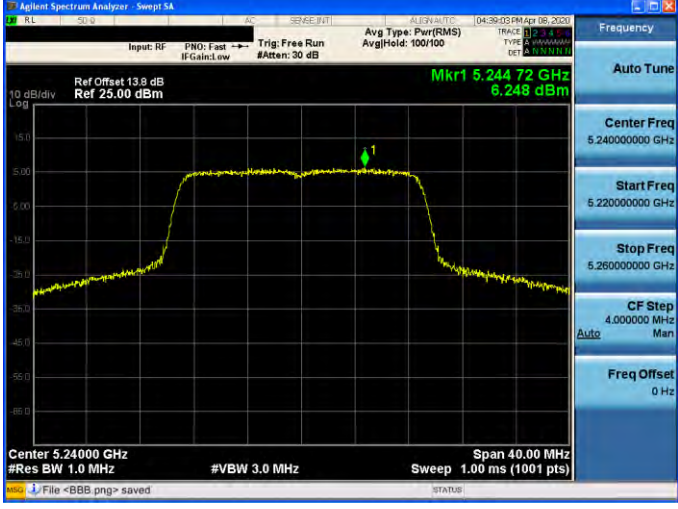
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5180 MHz	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Ref Offset 13.8 dB Ref 25.00 dBm</p> <p>Mkr1 5.177 12 GHz 6.155 dBm</p> <p>Center 5.18000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.00 ms (1001 pts)</p> <p>Span 40.00 MHz</p> <p>Center Freq 5.18000000 GHz Start Freq 5.16000000 GHz Stop Freq 5.20000000 GHz CF Step 4.000000 MHz Freq Offset 0 Hz</p>
5200 MHz	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Ref Offset 13.8 dB Ref 25.00 dBm</p> <p>Mkr1 5.196 80 GHz 6.707 dBm</p> <p>Center 5.20000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.00 ms (1001 pts)</p> <p>Span 40.00 MHz</p> <p>Center Freq 5.20000000 GHz Start Freq 5.18000000 GHz Stop Freq 5.22000000 GHz CF Step 4.000000 MHz Freq Offset 0 Hz</p>
5240 MHz	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Ref Offset 13.8 dB Ref 25.00 dBm</p> <p>Mkr1 5.240 92 GHz 6.817 dBm</p> <p>Center 5.24000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.00 ms (1001 pts)</p> <p>Span 40.00 MHz</p> <p>Center Freq 5.24000000 GHz Start Freq 5.22000000 GHz Stop Freq 5.26000000 GHz CF Step 4.000000 MHz Freq Offset 0 Hz</p>



Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5745 MHz	<p>Agilent Spectrum Analyzer - Swept SA Input: RF PNO: Fast Trig: Free Run Avg Type: Pwr(RMS) IF Gain: Low #Atten: 30 dB Avg Hold: 100/100 Ref Offset 13.8 dB Ref 25.00 dBm Mkr1 5.744 04 GHz -0.191 dBm Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz Span 40.00 MHz Sweep 5.00 ms (1001 pts) File &lt;BBB.png&gt; saved</p>
5785 MHz	<p>Agilent Spectrum Analyzer - Swept SA Input: RF PNO: Fast Trig: Free Run Avg Type: Pwr(RMS) IF Gain: Low #Atten: 30 dB Avg Hold: 100/100 Ref Offset 13.8 dB Ref 25.00 dBm Mkr1 5.788 40 GHz -0.306 dBm Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz Span 40.00 MHz Sweep 5.00 ms (1001 pts) File &lt;BBB.png&gt; saved</p>
5825 MHz	<p>Agilent Spectrum Analyzer - Swept SA Input: RF PNO: Fast Trig: Free Run Avg Type: Pwr(RMS) IF Gain: Low #Atten: 30 dB Avg Hold: 100/100 Ref Offset 13.8 dB Ref 25.00 dBm Mkr1 5.827 44 GHz -0.369 dBm Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz Span 40.00 MHz Sweep 5.00 ms (1001 pts) File &lt;BBB.png&gt; saved</p>



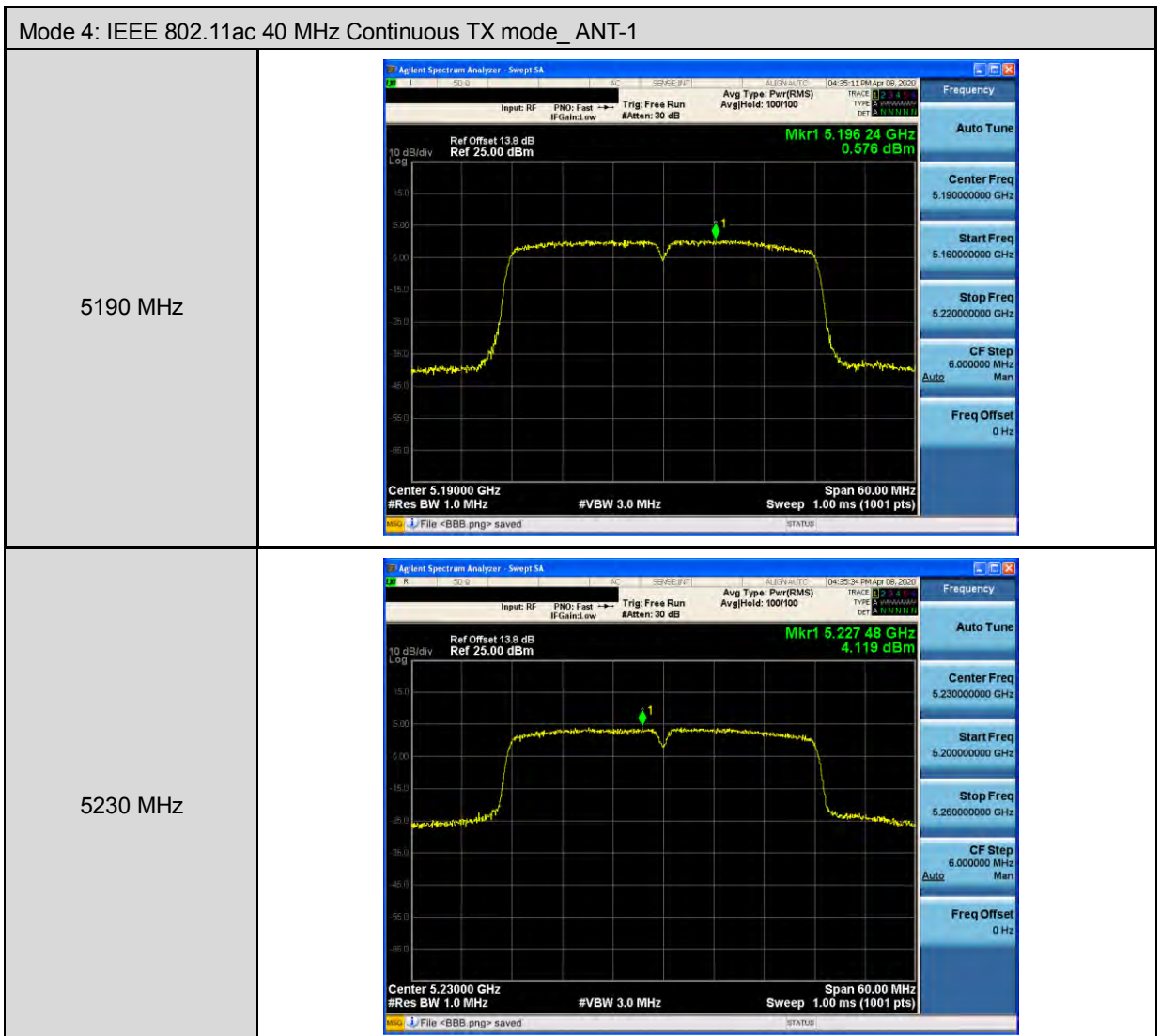


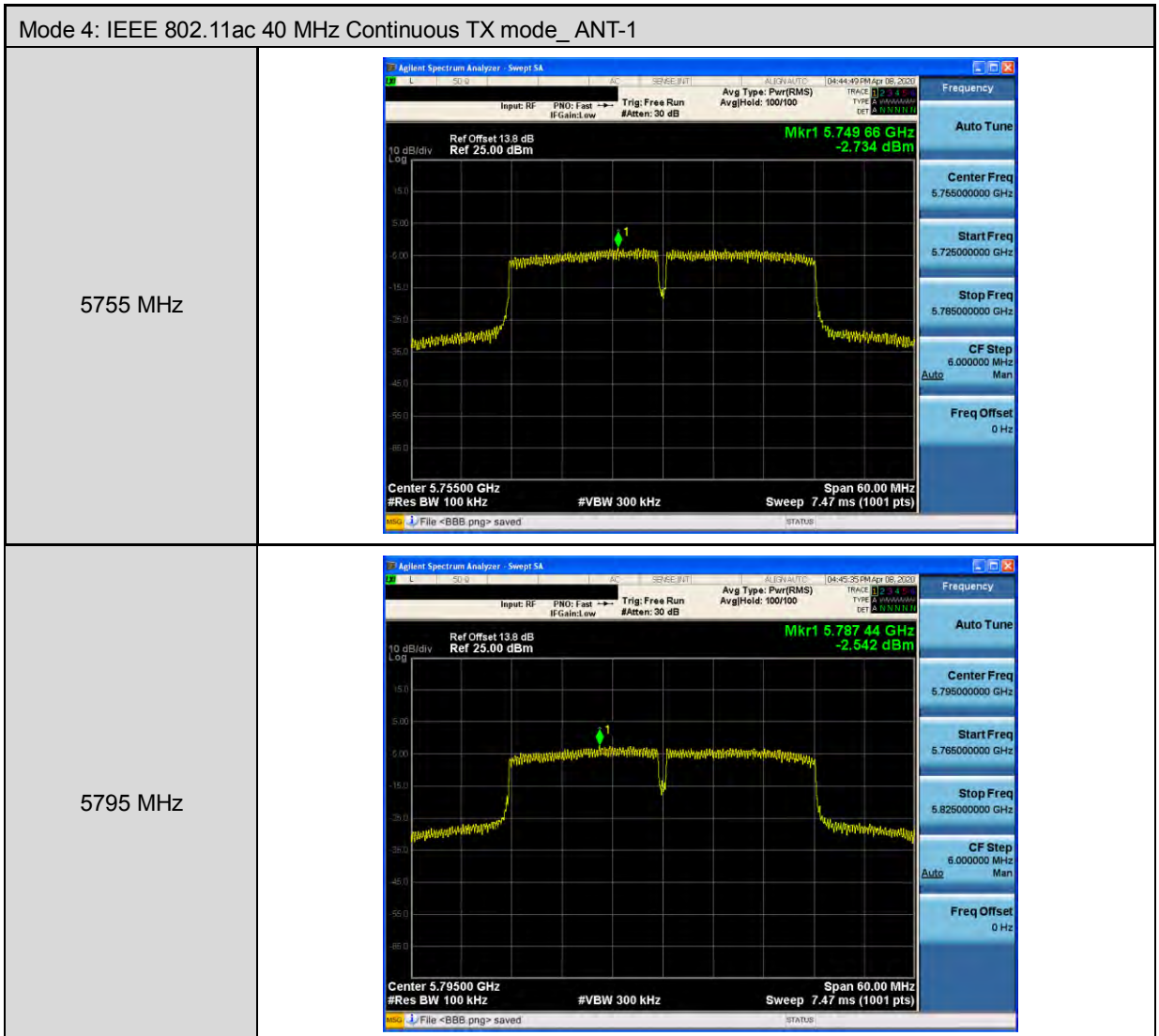
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

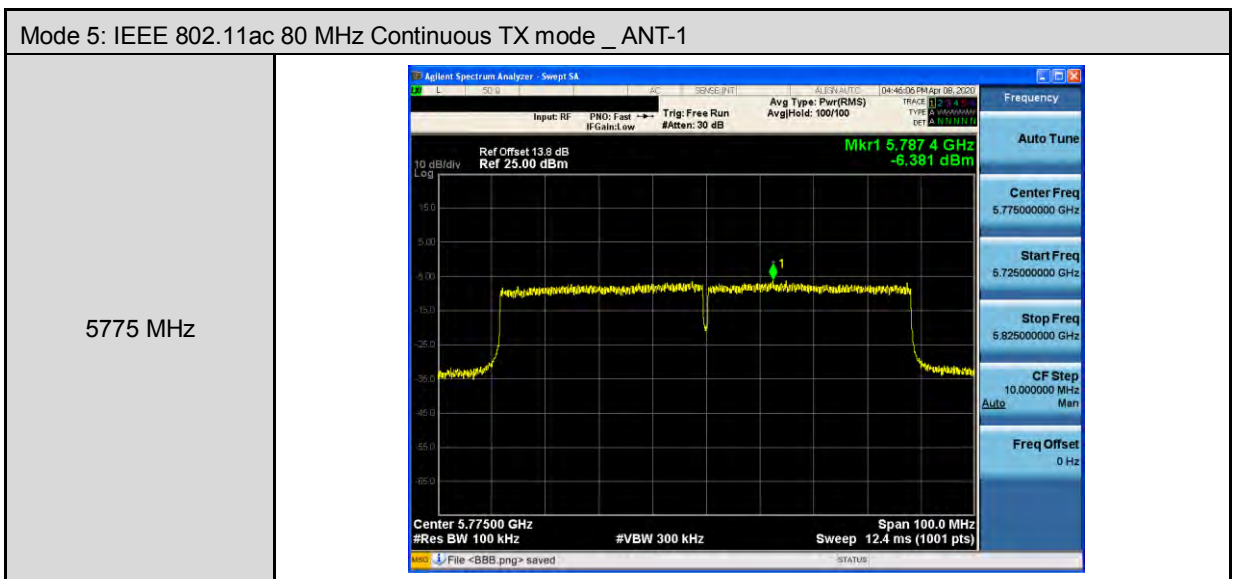
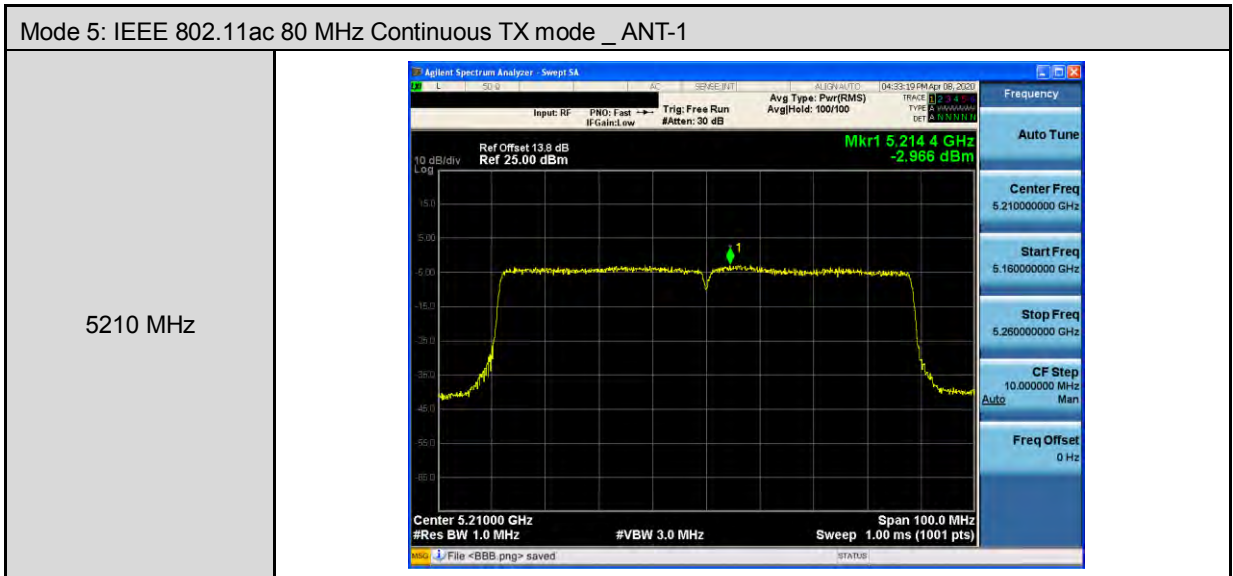


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-1	
5745 MHz	<p>Agilent Spectrum Analyzer - Swept SA Input: RF PNO: Fast Trig: Free Run Avg Type: Pwr(RMS) IF Gain: Low #Atten: 30 dB Avg Hold: 100/100 Ref Offset 13.8 dB Ref 25.00 dBm Mkr1 5.742 44 GHz -0.610 dBm 10 dB/div Log Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz Span 40.00 MHz Sweep 5.00 ms (1001 pts) File &lt;BBB.png&gt; saved</p>
5785 MHz	<p>Agilent Spectrum Analyzer - Swept SA Input: RF PNO: Fast Trig: Free Run Avg Type: Pwr(RMS) IF Gain: Low #Atten: 30 dB Avg Hold: 100/100 Ref Offset 13.8 dB Ref 25.00 dBm Mkr1 5.787 40 GHz -0.562 dBm 10 dB/div Log Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz Span 40.00 MHz Sweep 5.00 ms (1001 pts) File &lt;BBB.png&gt; saved</p>
5825 MHz	<p>Agilent Spectrum Analyzer - Swept SA Input: RF PNO: Fast Trig: Free Run Avg Type: Pwr(RMS) IF Gain: Low #Atten: 30 dB Avg Hold: 100/100 Ref Offset 13.8 dB Ref 25.00 dBm Mkr1 5.822 44 GHz -0.632 dBm 10 dB/div Log Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz Span 40.00 MHz Sweep 5.00 ms (1001 pts) File &lt;BBB.png&gt; saved</p>









Beamforming on

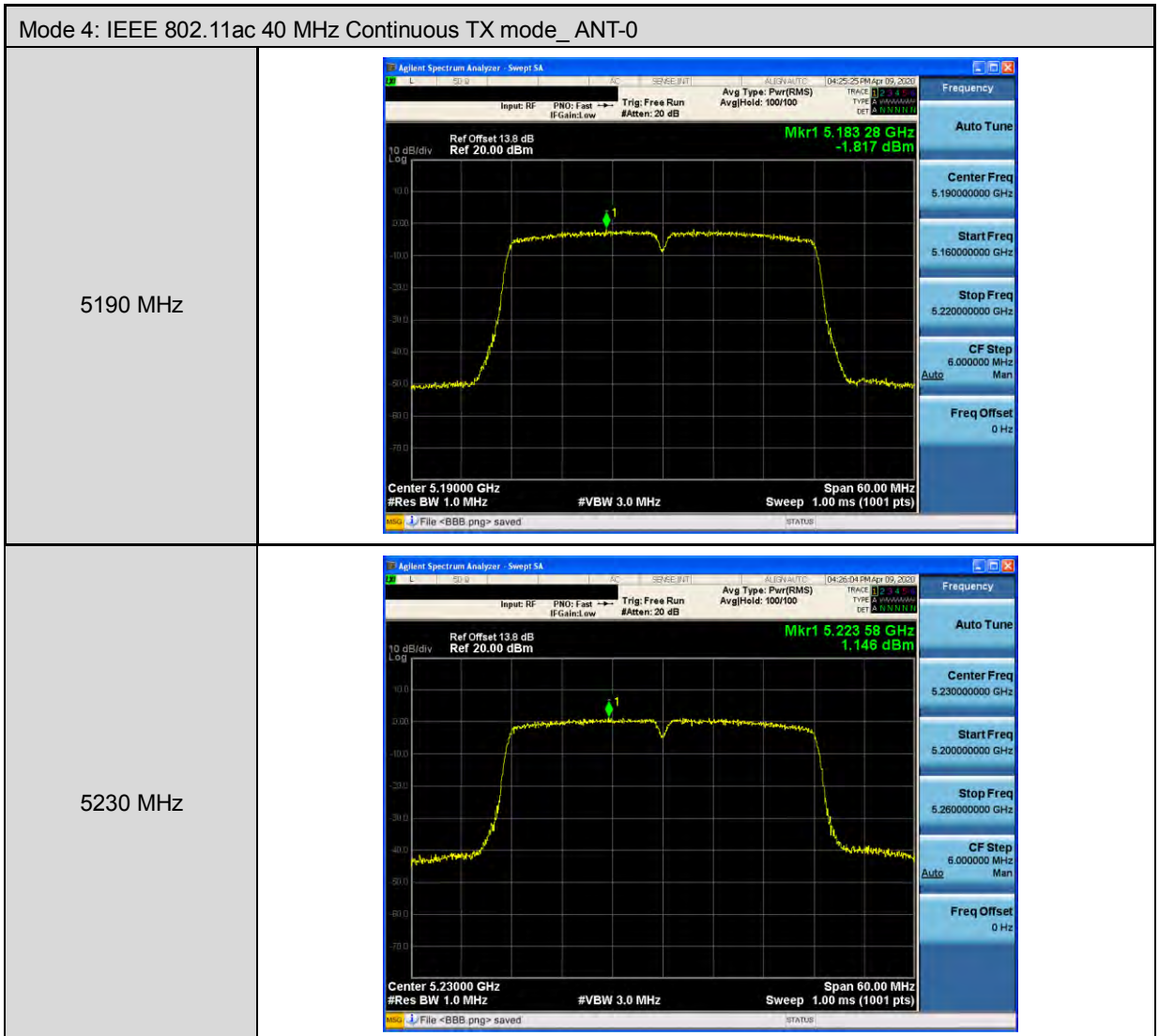
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode \_ANT-0

5180 MHz	
5200 MHz	
5240 MHz	

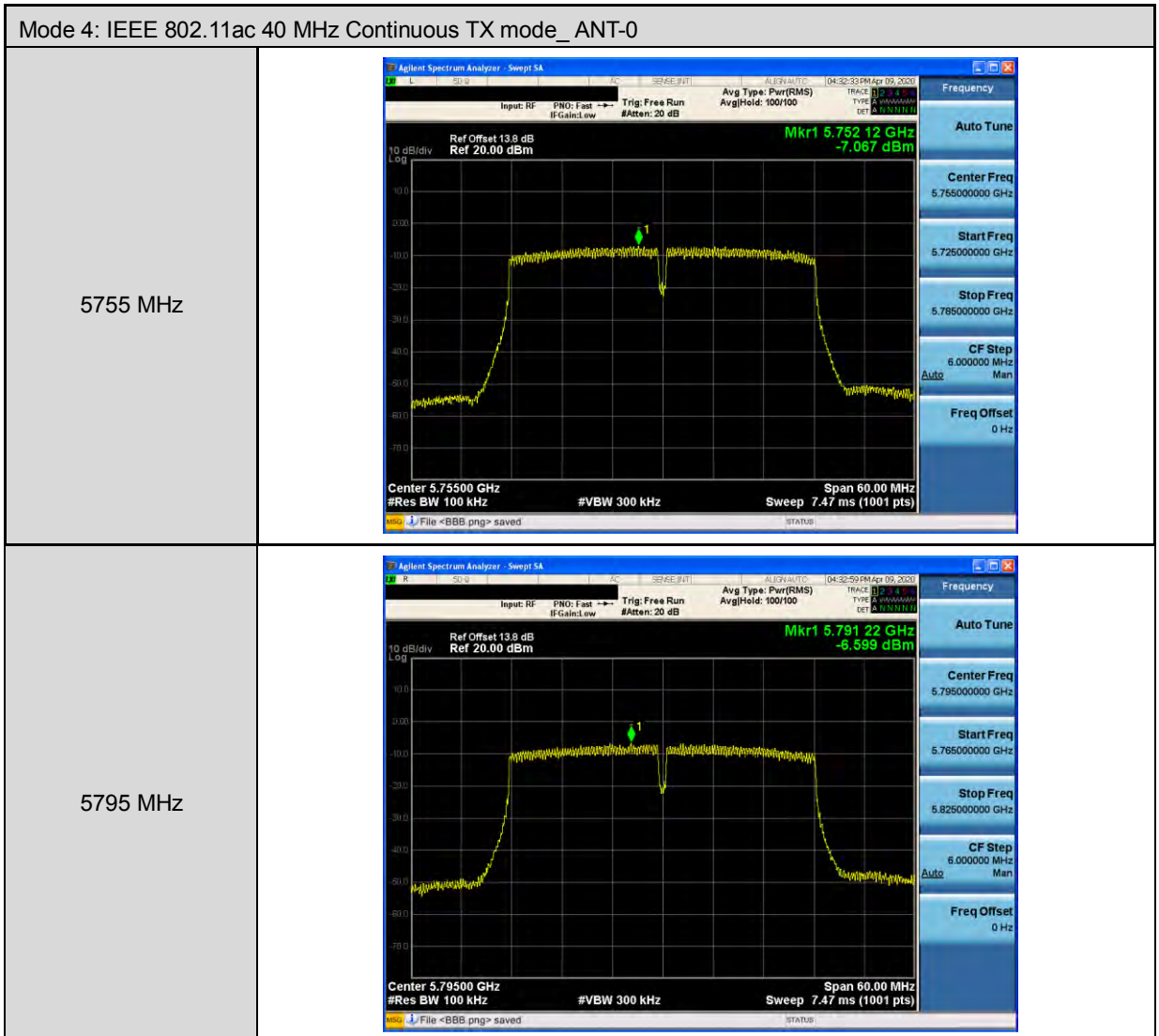


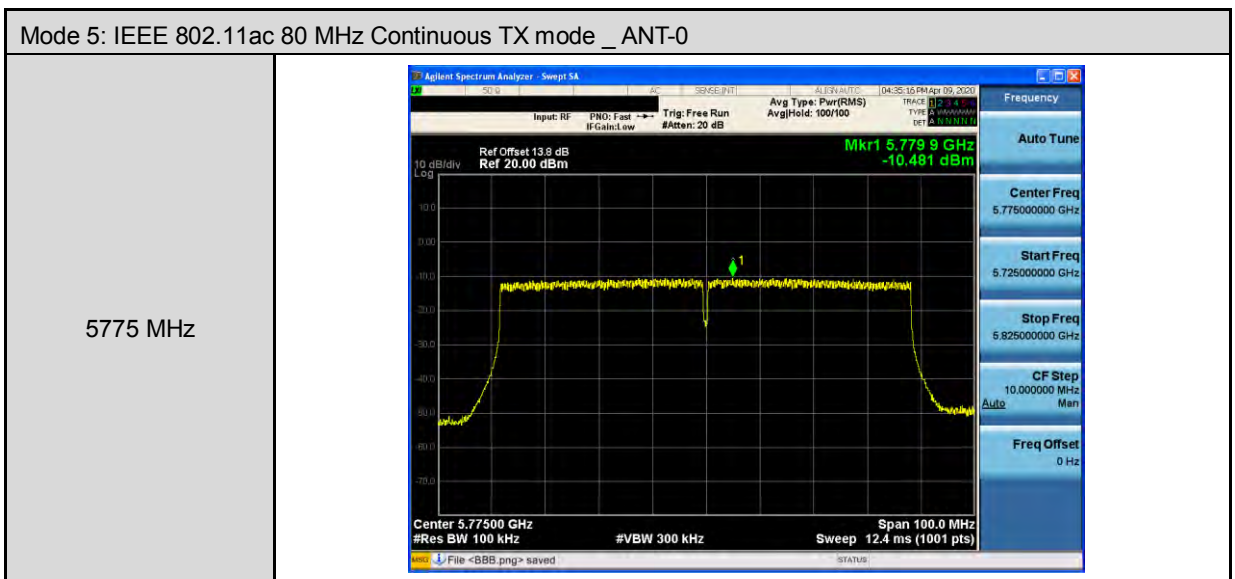
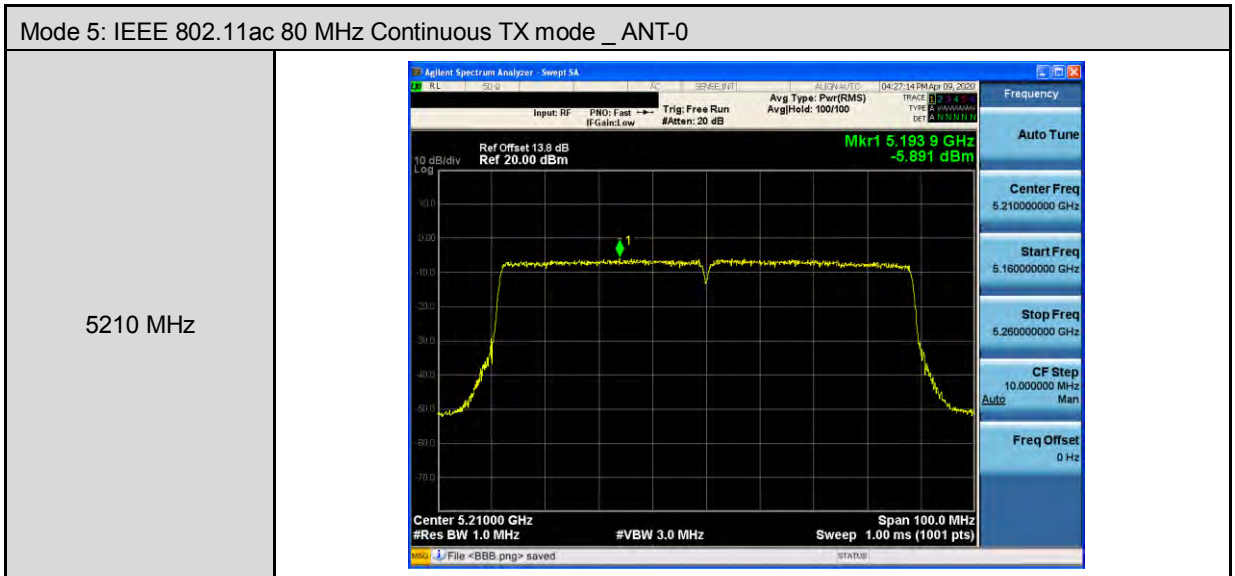


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-0	
5745 MHz	<p>Agilent Spectrum Analyzer - Swept SA Input: RF PNO: Fast Trig: Free Run Avg Type: Pwr(RMS) IF Gain: Low #Atten: 20 dB Avg Hold: 100/100 Ref Offset 13.8 dB Ref 20.00 dBm Mkr1 5.743 40 GHz -4.701 dBm Center 5.74500 GHz #Res BW 100 kHz Span 40.00 MHz #VBW 300 kHz Sweep 5.00 ms (1001 pts) File &lt;BBB.png&gt; saved</p>
5785 MHz	<p>Agilent Spectrum Analyzer - Swept SA Input: RF PNO: Fast Trig: Free Run Avg Type: Pwr(RMS) IF Gain: Low #Atten: 20 dB Avg Hold: 100/100 Ref Offset 13.8 dB Ref 20.00 dBm Mkr1 5.787 16 GHz -4.586 dBm Center 5.78500 GHz #Res BW 100 kHz Span 40.00 MHz #VBW 300 kHz Sweep 5.00 ms (1001 pts) File &lt;BBB.png&gt; saved</p>
5825 MHz	<p>Agilent Spectrum Analyzer - Swept SA Input: RF PNO: Fast Trig: Free Run Avg Type: Pwr(RMS) IF Gain: Low #Atten: 20 dB Avg Hold: 100/100 Ref Offset 13.8 dB Ref 20.00 dBm Mkr1 5.828 36 GHz -4.456 dBm Center 5.82500 GHz #Res BW 100 kHz Span 40.00 MHz #VBW 300 kHz Sweep 5.00 ms (1001 pts) File &lt;BBB.png&gt; saved</p>

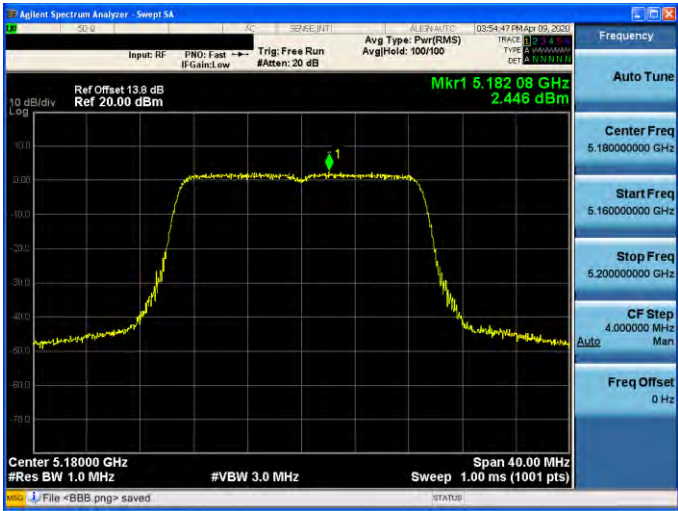
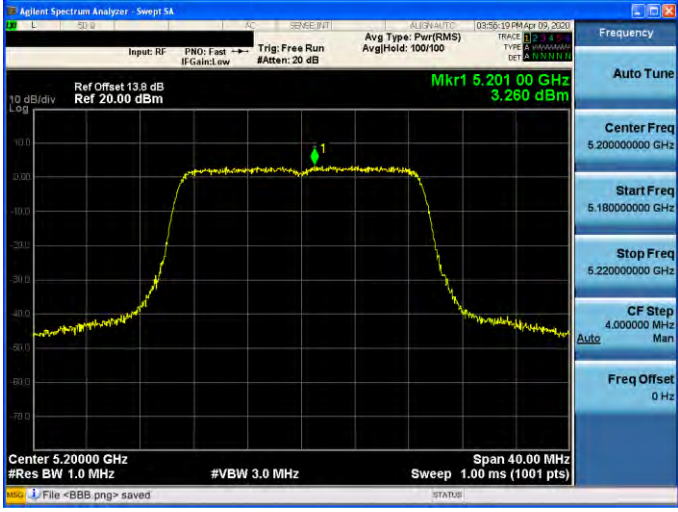
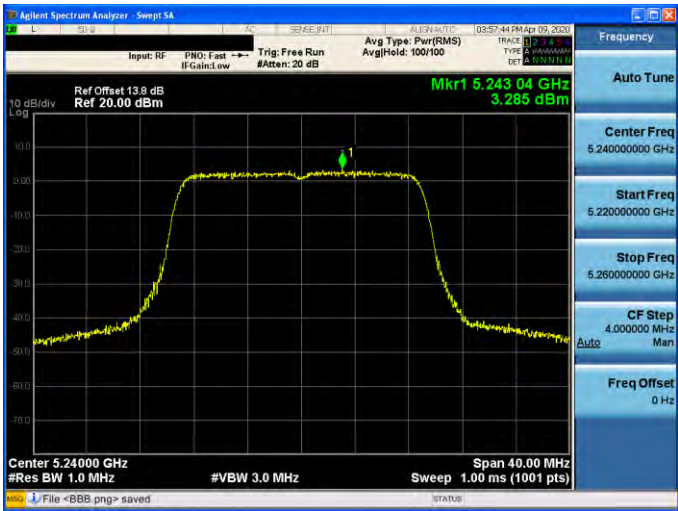








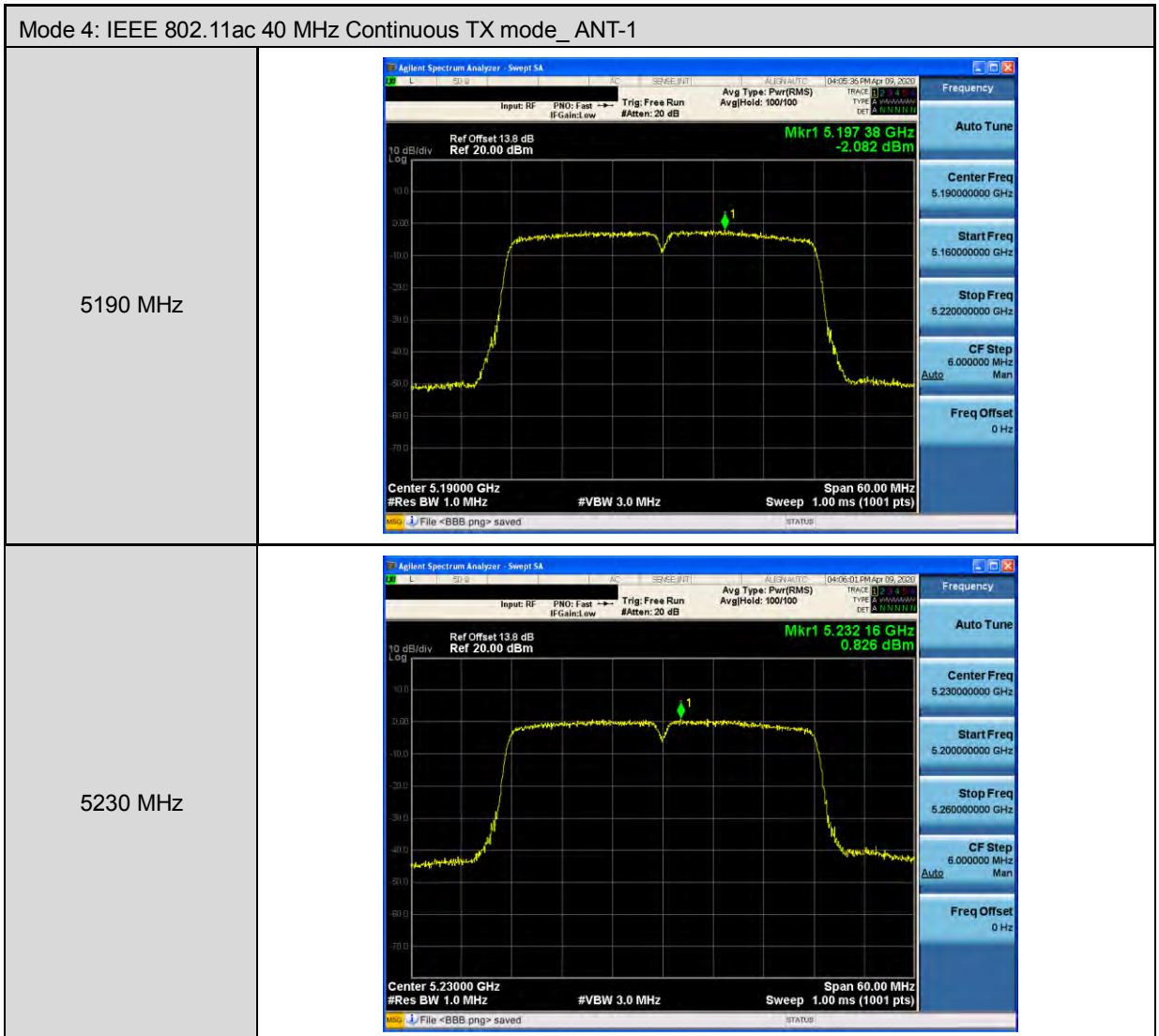


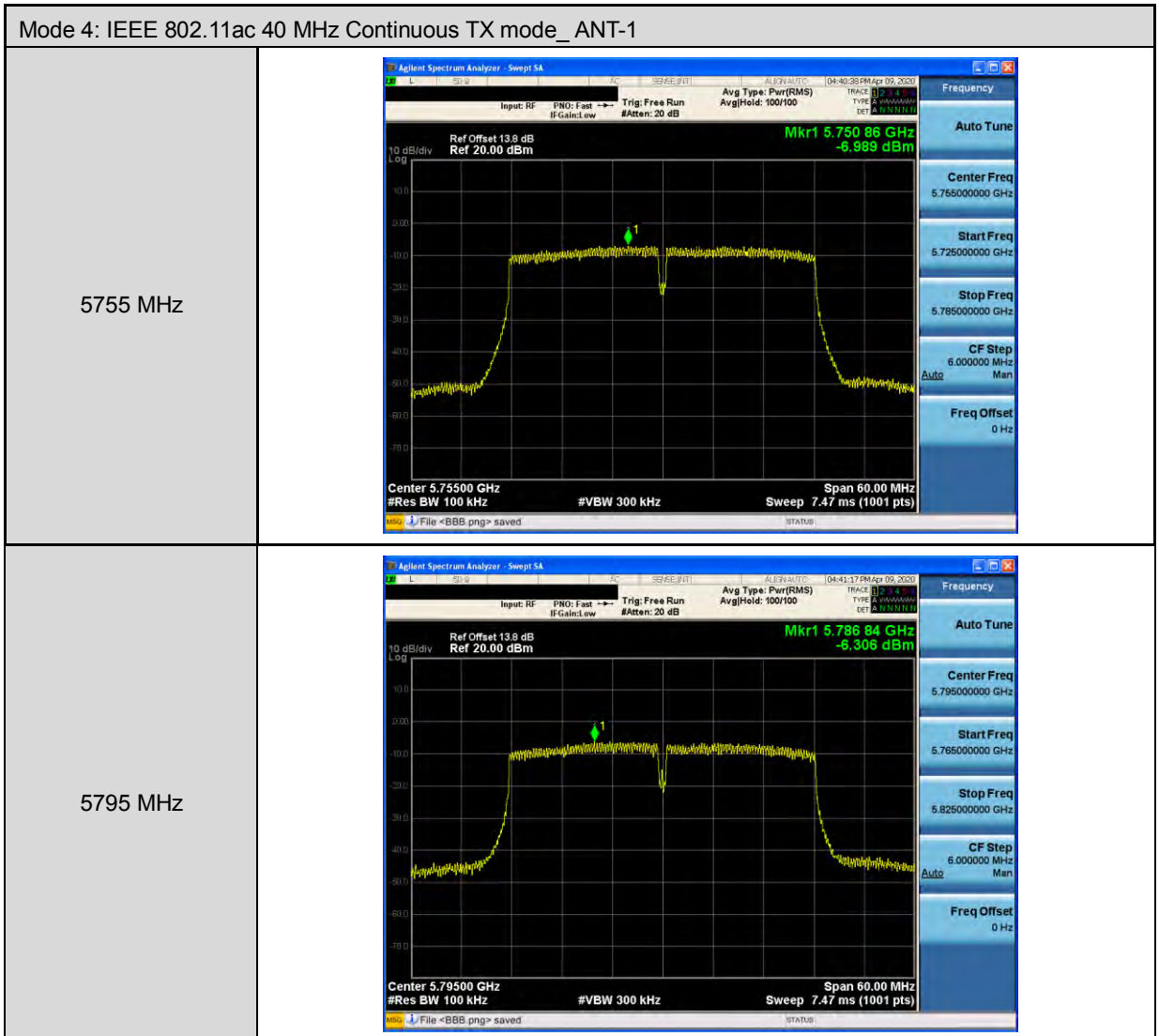
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	



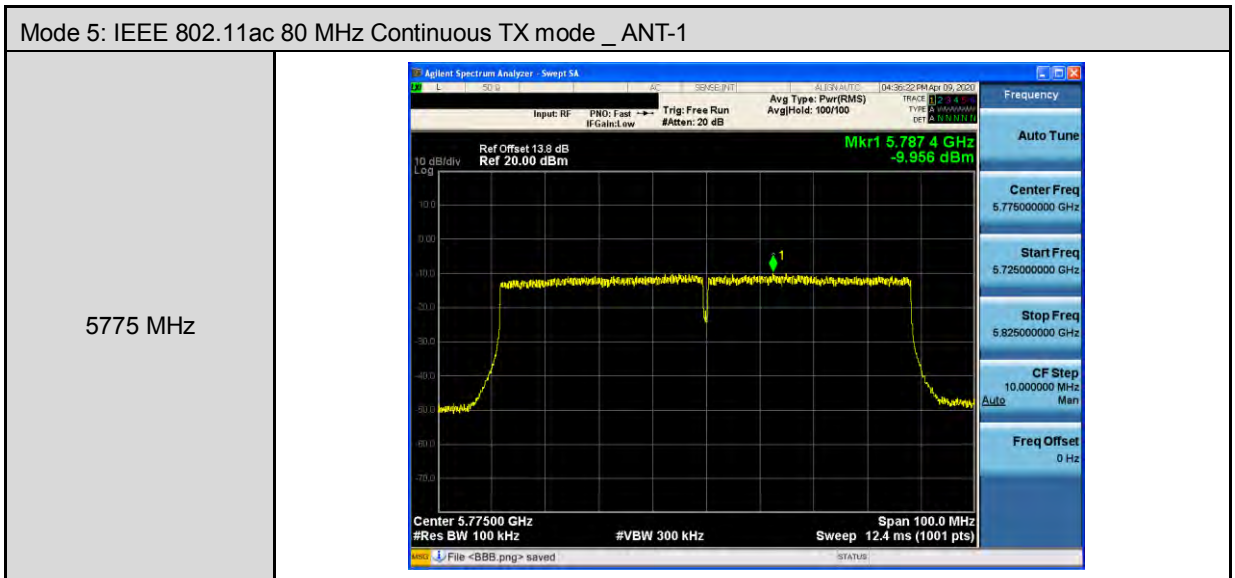
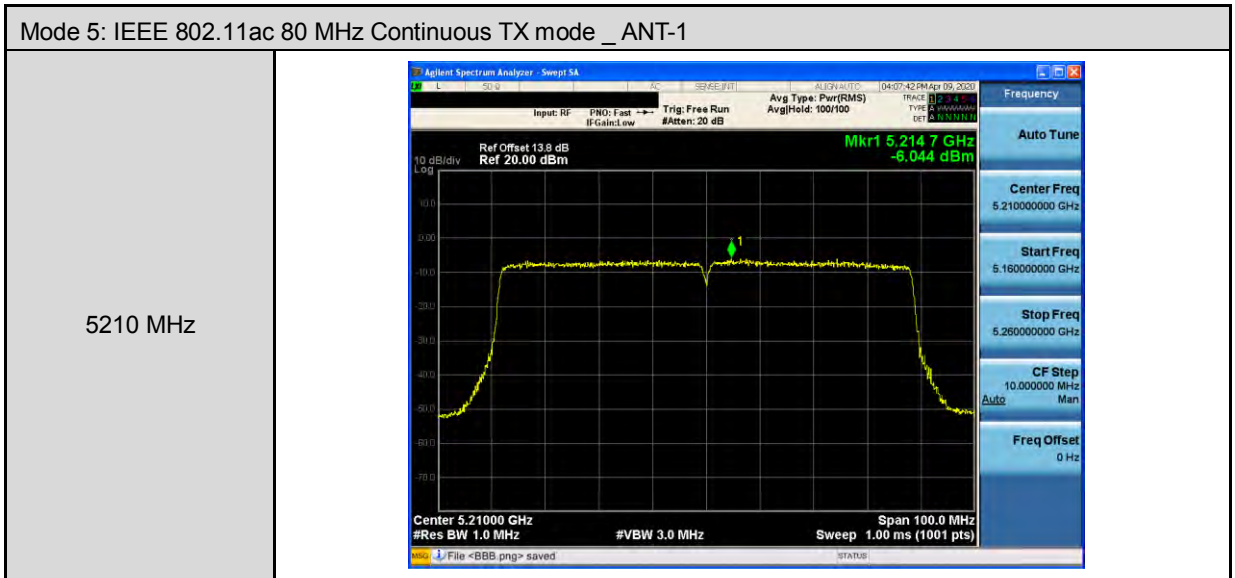
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-1	
5745 MHz	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Input: RF PNO: Fast Trig: Free Run Avg Type: Pwr(RMS) #Attenu: 20 dB</p> <p>Ref Offset 13.8 dB Ref 20.00 dBm</p> <p>Mkr1 5.742 16 GHz -4.400 dBm</p> <p>Center 5.74500 GHz #Res BW 100 kHz Span 40.00 MHz #VBW 300 kHz Sweep 5.00 ms (1001 pts)</p> <p>File &lt;BBB.png&gt; saved</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 5.74500000 GHz</p> <p>Start Freq 5.72500000 GHz</p> <p>Stop Freq 5.76500000 GHz</p> <p>CF Step 4.00000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
5785 MHz	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Input: RF PNO: Fast Trig: Free Run Avg Type: Pwr(RMS) #Attenu: 20 dB</p> <p>Ref Offset 13.8 dB Ref 20.00 dBm</p> <p>Mkr1 5.779 92 GHz -4.258 dBm</p> <p>Center 5.78500 GHz #Res BW 100 kHz Span 40.00 MHz #VBW 300 kHz Sweep 5.00 ms (1001 pts)</p> <p>File &lt;BBB.png&gt; saved</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 5.78500000 GHz</p> <p>Start Freq 5.76500000 GHz</p> <p>Stop Freq 5.80500000 GHz</p> <p>CF Step 4.00000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
5825 MHz	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Input: RF PNO: Fast Trig: Free Run Avg Type: Pwr(RMS) #Attenu: 20 dB</p> <p>Ref Offset 13.8 dB Ref 20.00 dBm</p> <p>Mkr1 5.817 44 GHz -4.565 dBm</p> <p>Center 5.82500 GHz #Res BW 100 kHz Span 40.00 MHz #VBW 300 kHz Sweep 5.00 ms (1001 pts)</p> <p>File &lt;BBB.png&gt; saved</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 5.82500000 GHz</p> <p>Start Freq 5.80500000 GHz</p> <p>Stop Freq 5.84500000 GHz</p> <p>CF Step 4.00000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>











---END---