

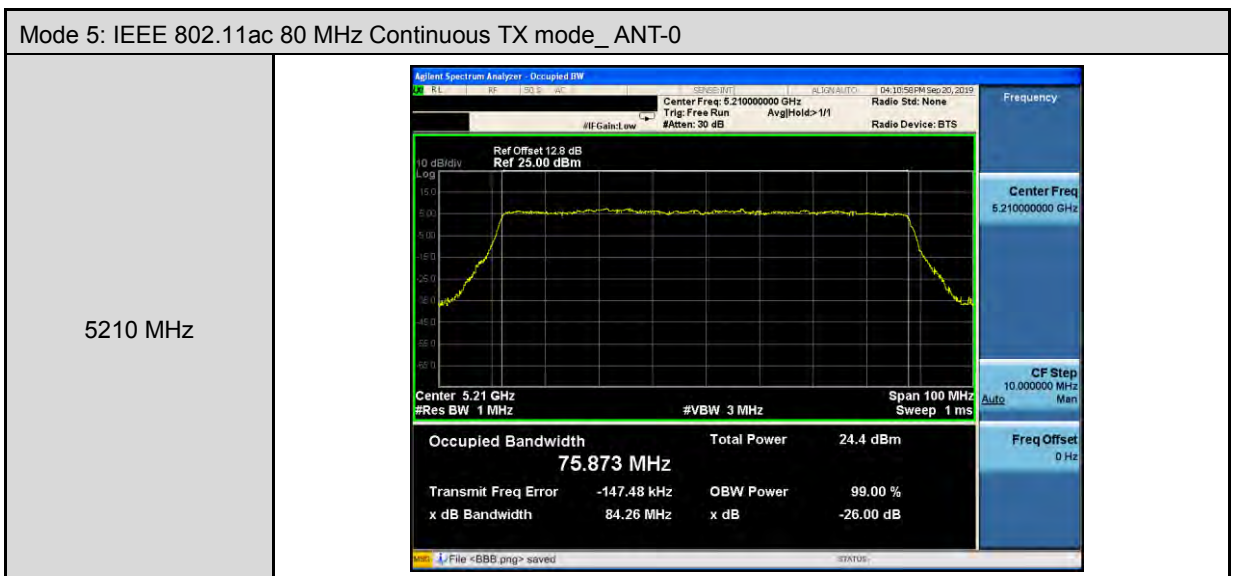
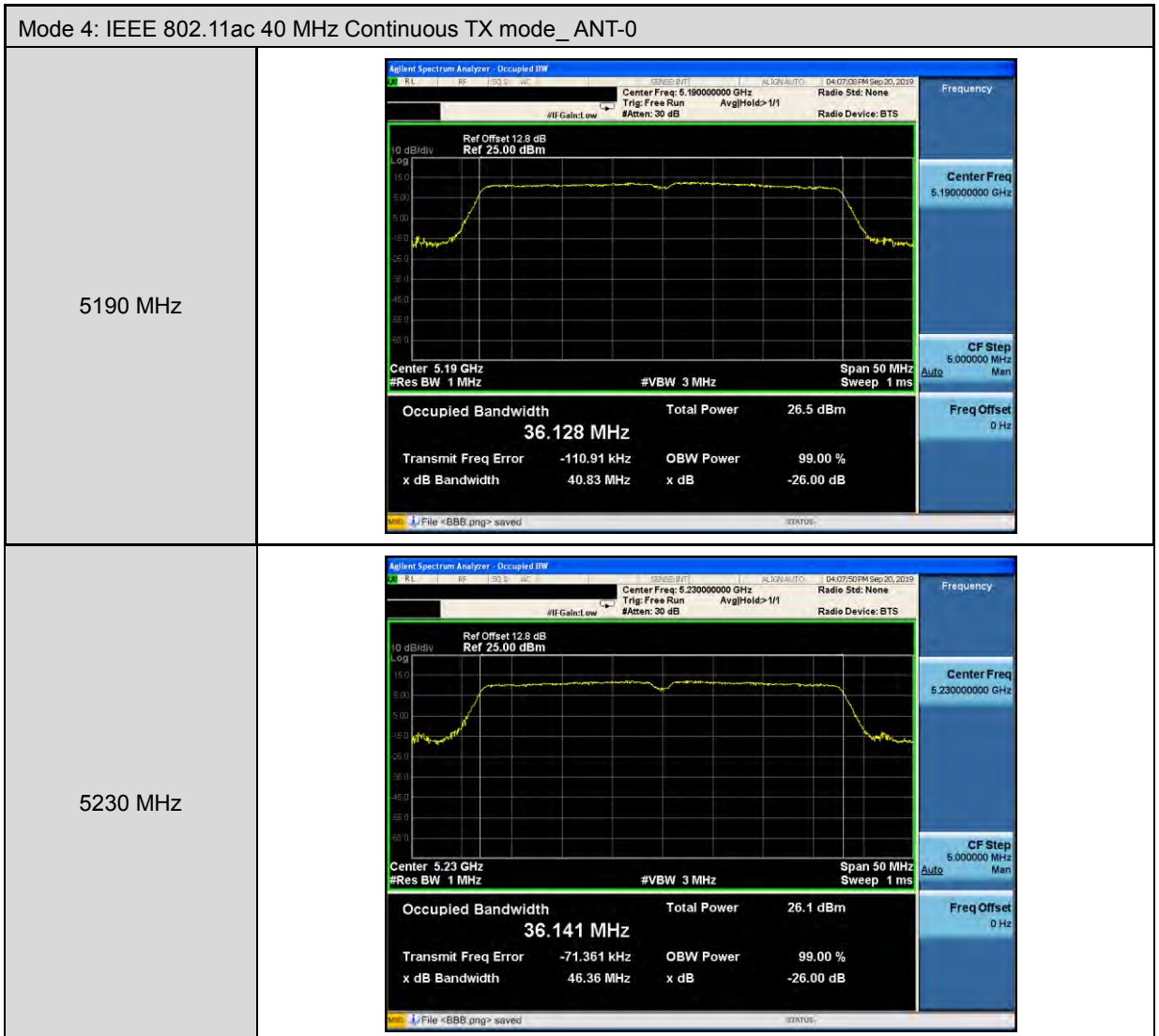


■ Test Graphs

Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0	
5180 MHz	<p>Center Freq: 5.18000000 GHz</p> <p>Occupied Bandwidth: <b>16.435 MHz</b></p> <p>Total Power: 25.6 dBm</p> <p>Transmit Freq Error: -82.508 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 19.90 MHz</p> <p>x dB: -26.00 dB</p>
5200 MHz	<p>Center Freq: 5.20000000 GHz</p> <p>Occupied Bandwidth: <b>16.465 MHz</b></p> <p>Total Power: 25.0 dBm</p> <p>Transmit Freq Error: -88.304 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 19.84 MHz</p> <p>x dB: -26.00 dB</p>
5240 MHz	<p>Center Freq: 5.24000000 GHz</p> <p>Occupied Bandwidth: <b>16.486 MHz</b></p> <p>Total Power: 25.1 dBm</p> <p>Transmit Freq Error: -85.879 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 20.96 MHz</p> <p>x dB: -26.00 dB</p>



Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-0	
5180 MHz	<p>Center Freq: 5.18000000 GHz Occupied Bandwidth: 17.581 MHz Total Power: 25.9 dBm Transmit Freq Error: -83.644 kHz OBW Power: 99.00 % x dB Bandwidth: 20.30 MHz, -26.00 dB</p>
5200 MHz	<p>Center Freq: 5.20000000 GHz Occupied Bandwidth: 17.599 MHz Total Power: 25.1 dBm Transmit Freq Error: -83.924 kHz OBW Power: 99.00 % x dB Bandwidth: 20.54 MHz, -26.00 dB</p>
5240 MHz	<p>Center Freq: 5.24000000 GHz Occupied Bandwidth: 17.608 MHz Total Power: 24.6 dBm Transmit Freq Error: -95.415 kHz OBW Power: 99.00 % x dB Bandwidth: 20.31 MHz, -26.00 dB</p>







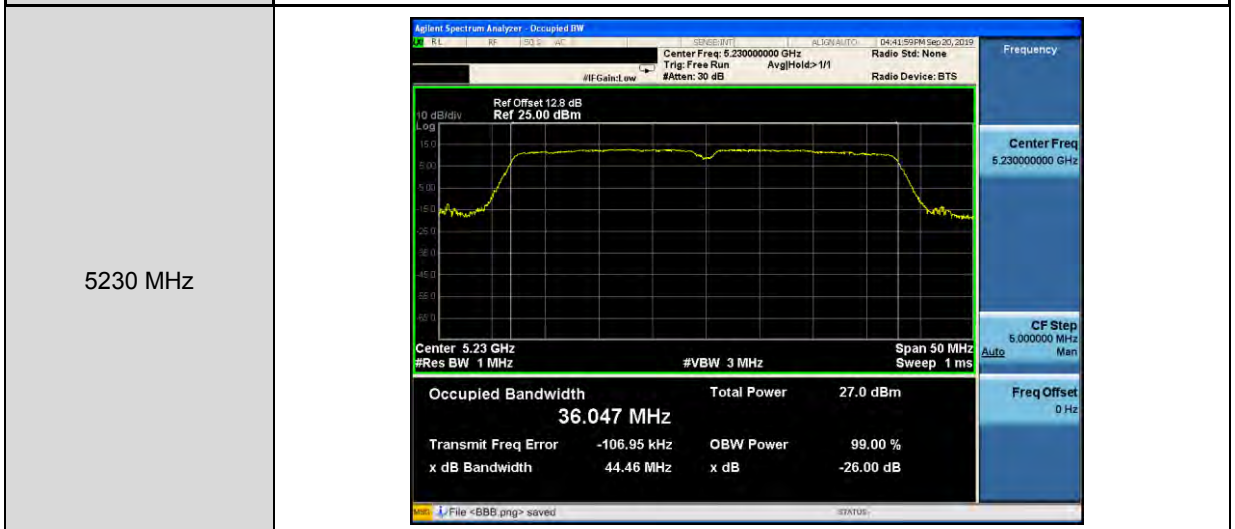
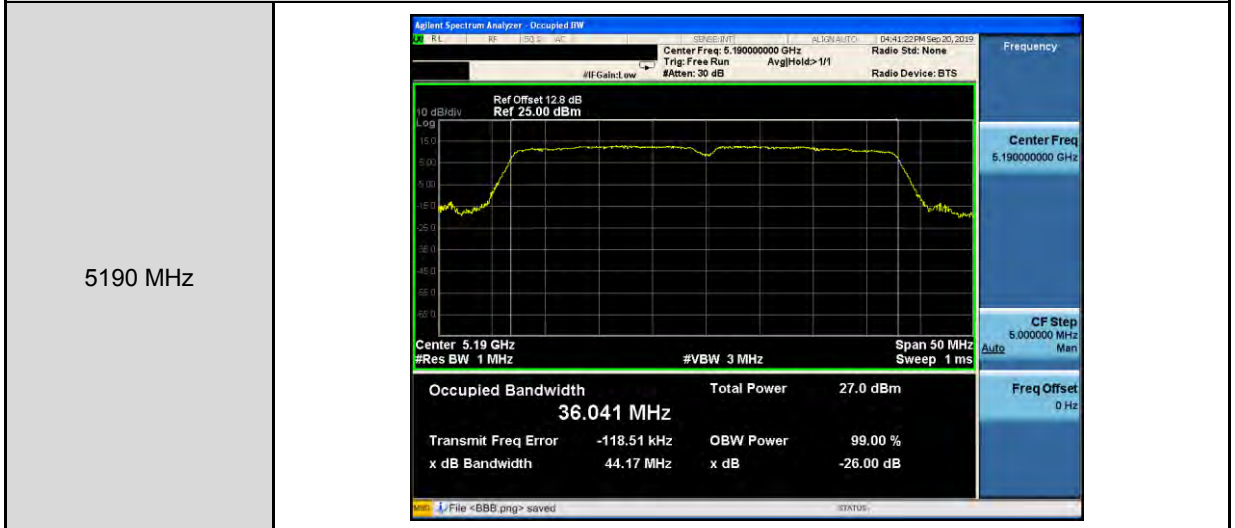
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5180 MHz	<p>Center Freq: 5.18000000 GHz</p> <p>Occupied Bandwidth: <b>16.482 MHz</b></p> <p>Total Power: 25.8 dBm</p> <p>Transmit Freq Error: -102.87 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 19.59 MHz</p> <p>x dB: -26.00 dB</p>
5200 MHz	<p>Center Freq: 5.20000000 GHz</p> <p>Occupied Bandwidth: <b>16.490 MHz</b></p> <p>Total Power: 26.0 dBm</p> <p>Transmit Freq Error: -106.32 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 19.34 MHz</p> <p>x dB: -26.00 dB</p>
5240 MHz	<p>Center Freq: 5.24000000 GHz</p> <p>Occupied Bandwidth: <b>16.494 MHz</b></p> <p>Total Power: 25.8 dBm</p> <p>Transmit Freq Error: -101.50 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 19.73 MHz</p> <p>x dB: -26.00 dB</p>



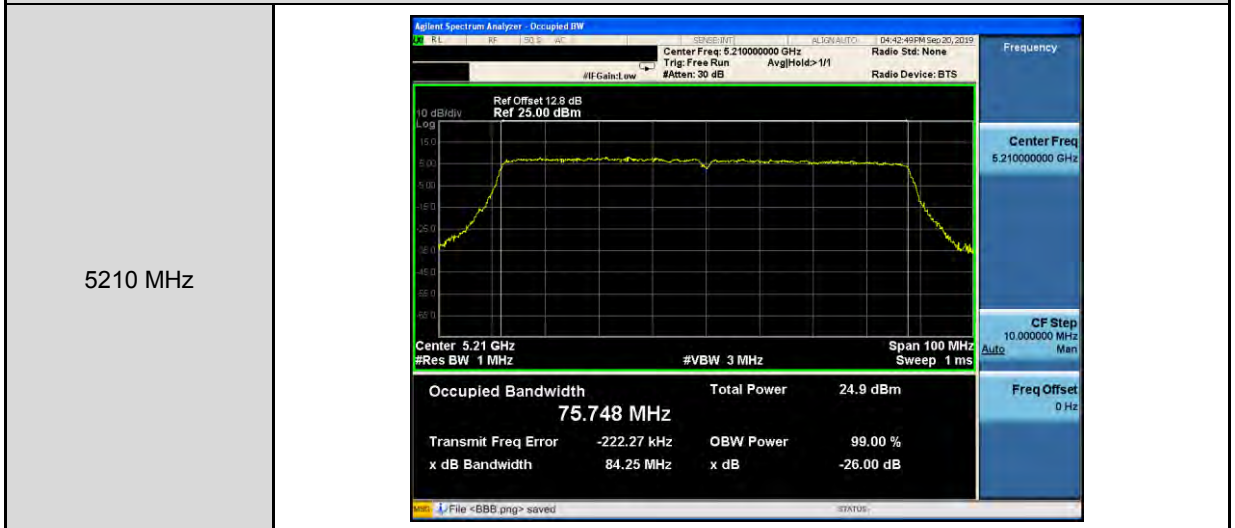
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1																			
5180 MHz	<p>Center Freq: 5.18000000 GHz #Res BW: 300 kHz #VBW: 1 MHz Span: 30 MHz Sweep: 1 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>25.7 dBm</td></tr><tr><td>17.618 MHz</td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>-92.841 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>20.25 MHz</td><td></td><td></td></tr></table>	Occupied Bandwidth	Total Power	25.7 dBm	17.618 MHz			Transmit Freq Error	OBW Power	99.00 %	-92.841 kHz	x dB	-26.00 dB	x dB Bandwidth			20.25 MHz		
Occupied Bandwidth	Total Power	25.7 dBm																	
17.618 MHz																			
Transmit Freq Error	OBW Power	99.00 %																	
-92.841 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
20.25 MHz																			
5200 MHz	<p>Center Freq: 5.20000000 GHz #Res BW: 300 kHz #VBW: 1 MHz Span: 30 MHz Sweep: 1 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>26.0 dBm</td></tr><tr><td>17.624 MHz</td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>-93.580 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>20.39 MHz</td><td></td><td></td></tr></table>	Occupied Bandwidth	Total Power	26.0 dBm	17.624 MHz			Transmit Freq Error	OBW Power	99.00 %	-93.580 kHz	x dB	-26.00 dB	x dB Bandwidth			20.39 MHz		
Occupied Bandwidth	Total Power	26.0 dBm																	
17.624 MHz																			
Transmit Freq Error	OBW Power	99.00 %																	
-93.580 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
20.39 MHz																			
5240 MHz	<p>Center Freq: 5.24000000 GHz #Res BW: 300 kHz #VBW: 1 MHz Span: 30 MHz Sweep: 1 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>25.6 dBm</td></tr><tr><td>17.621 MHz</td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>-90.997 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>20.33 MHz</td><td></td><td></td></tr></table>	Occupied Bandwidth	Total Power	25.6 dBm	17.621 MHz			Transmit Freq Error	OBW Power	99.00 %	-90.997 kHz	x dB	-26.00 dB	x dB Bandwidth			20.33 MHz		
Occupied Bandwidth	Total Power	25.6 dBm																	
17.621 MHz																			
Transmit Freq Error	OBW Power	99.00 %																	
-90.997 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
20.33 MHz																			



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



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

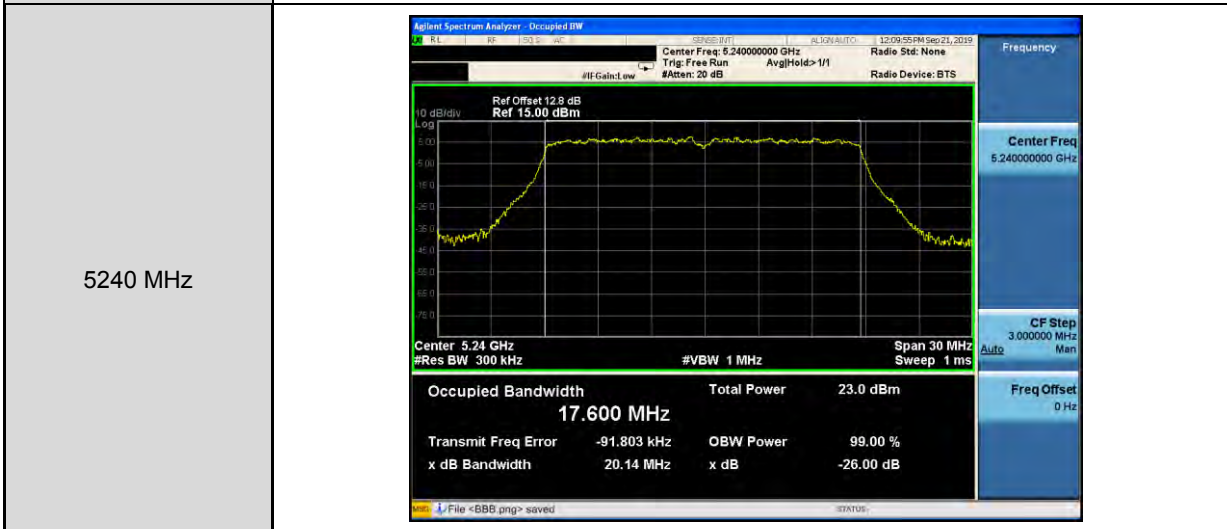
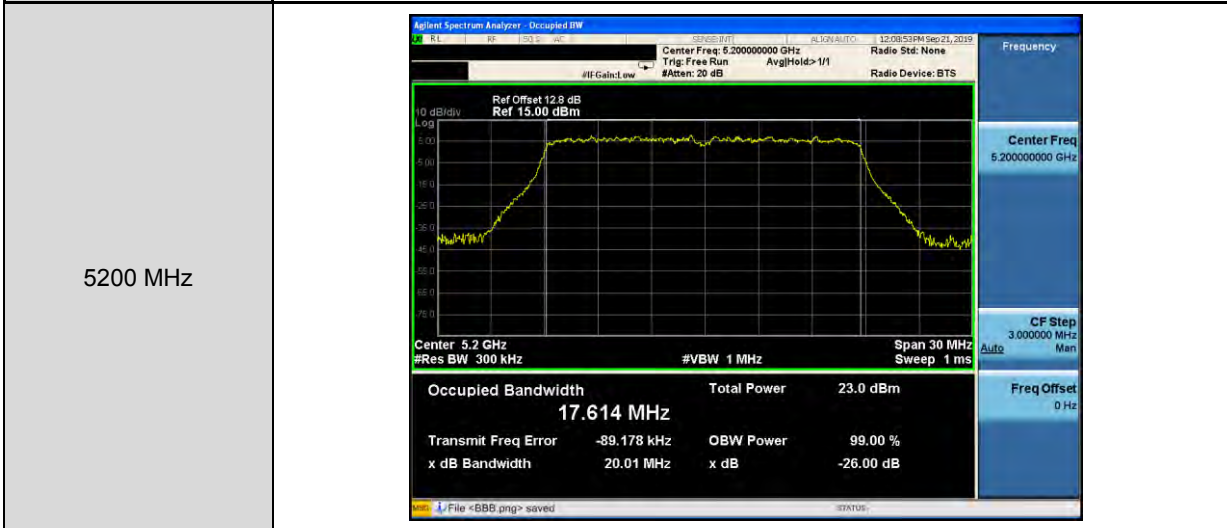
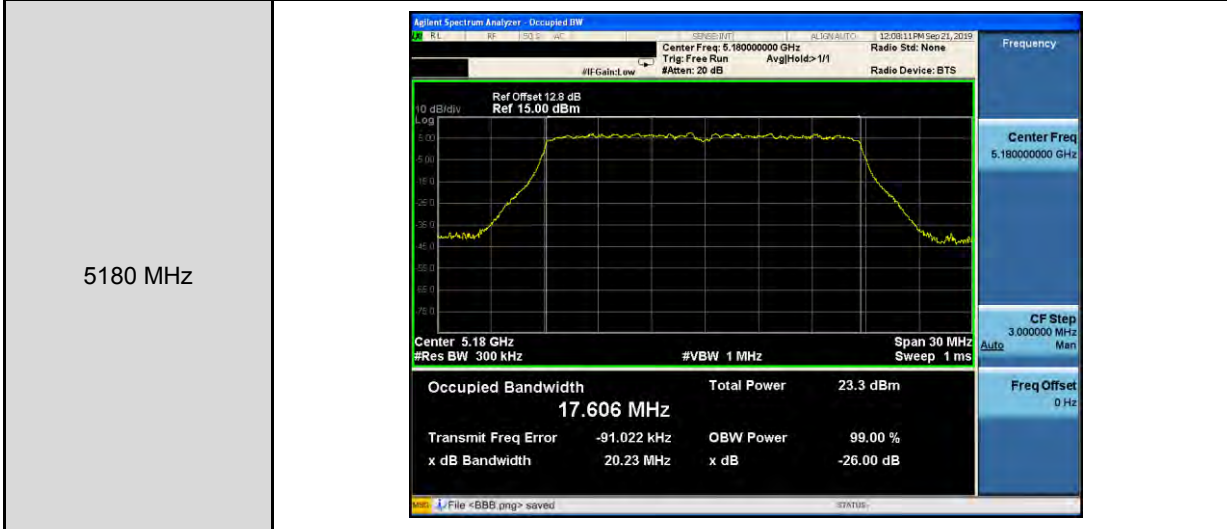


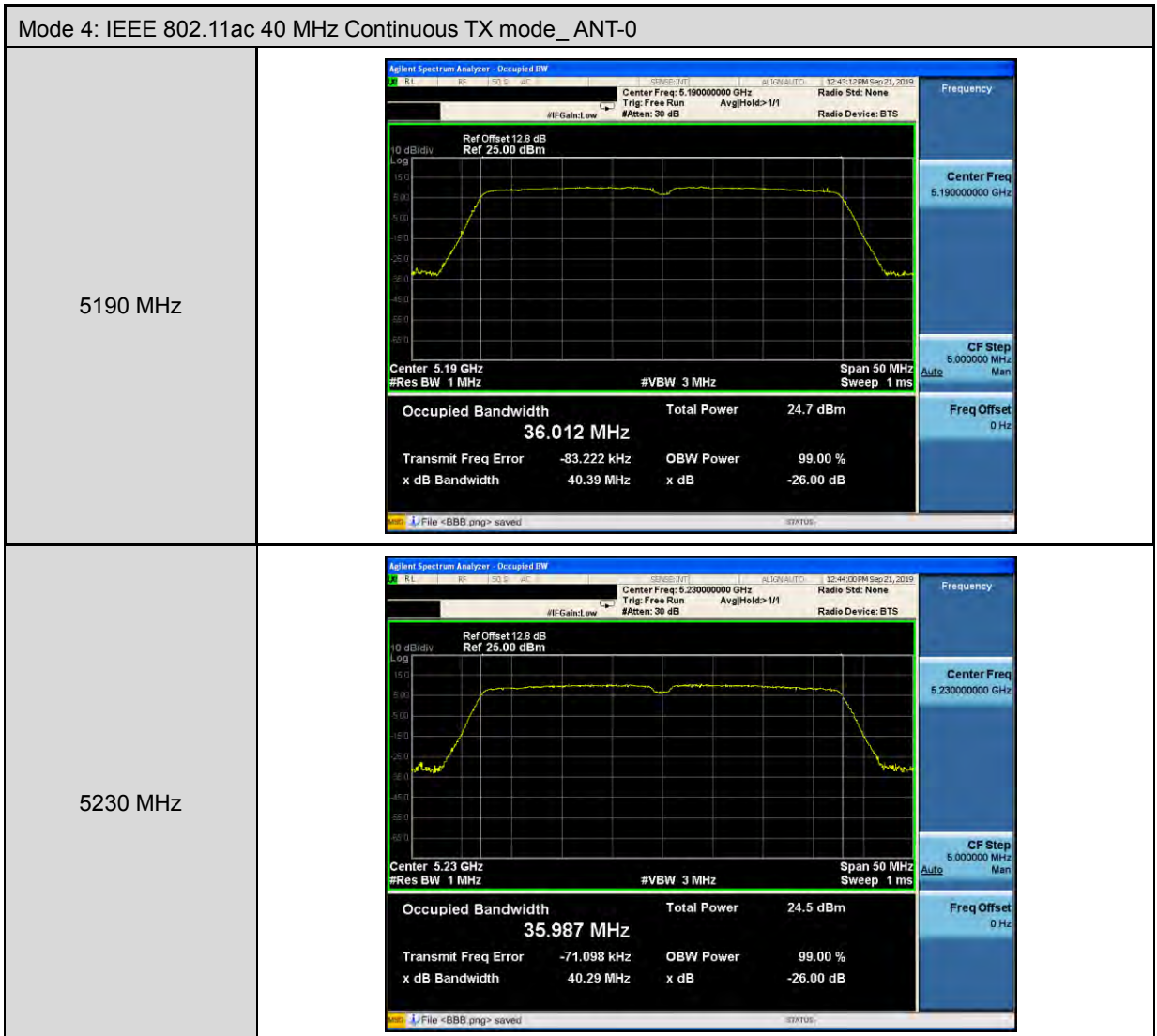




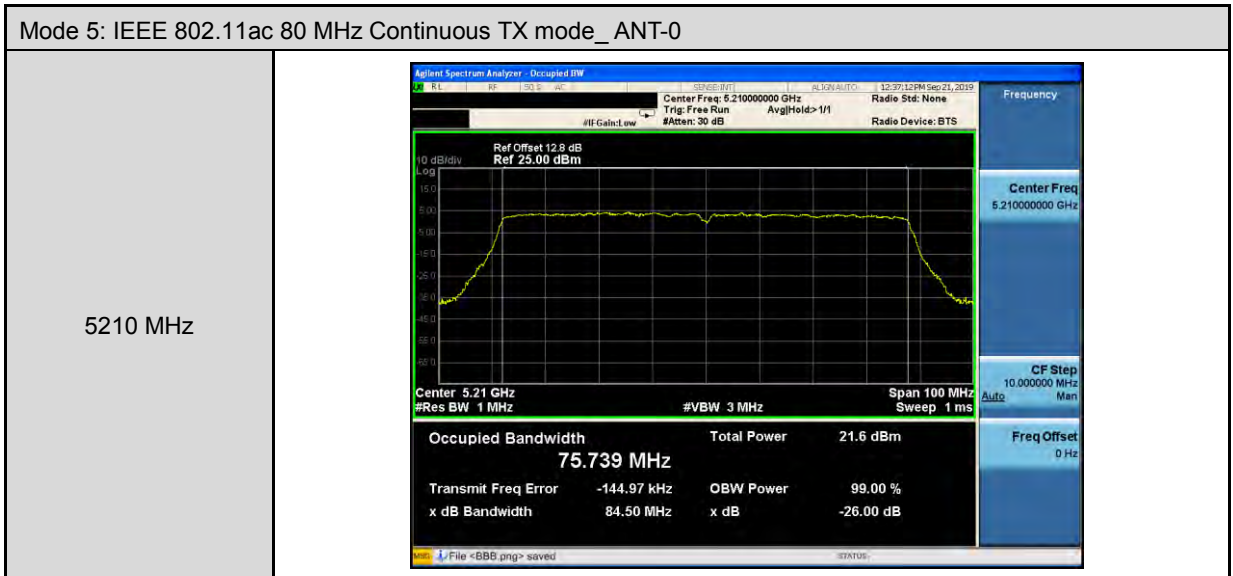
Beamforming on

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



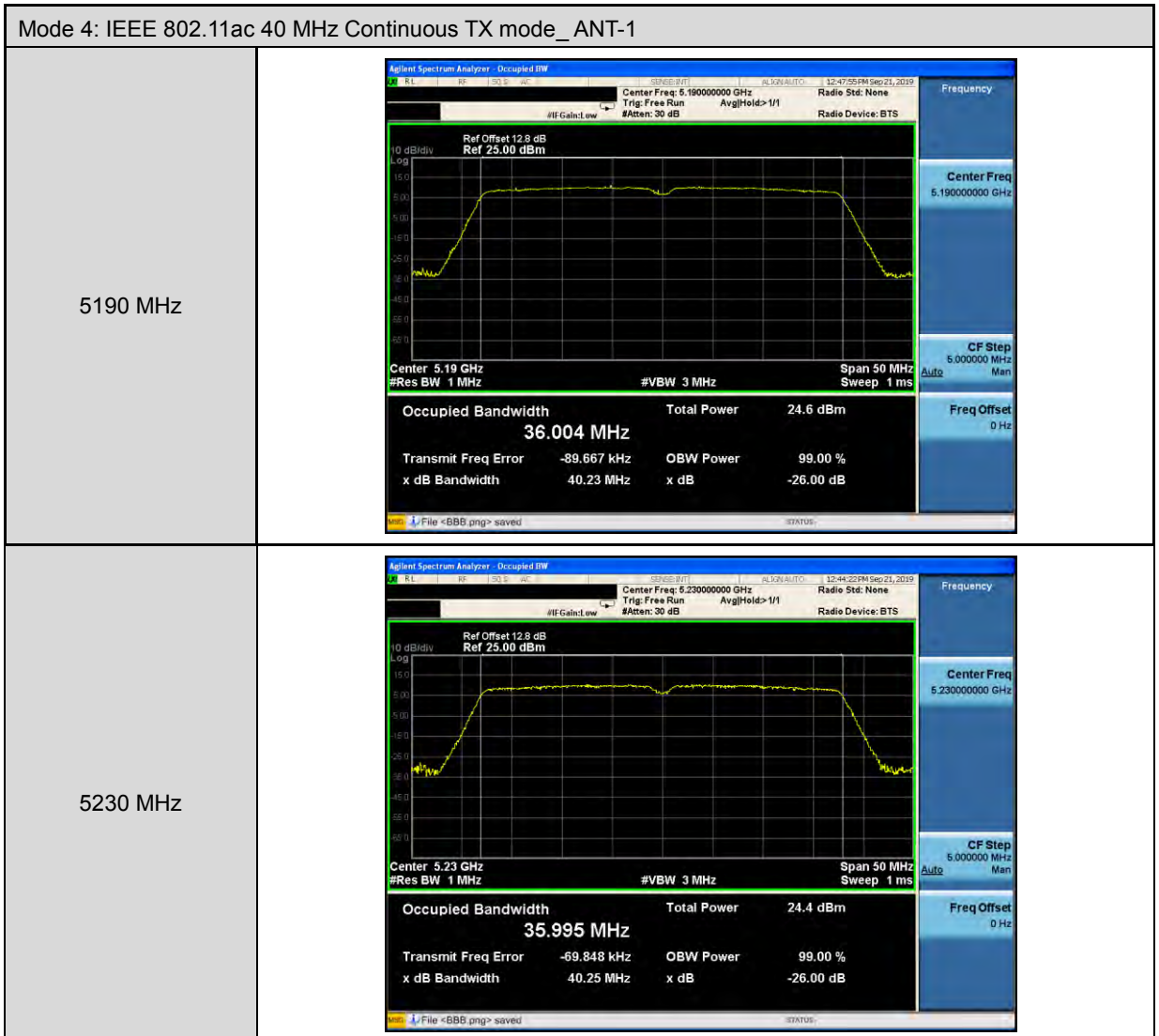




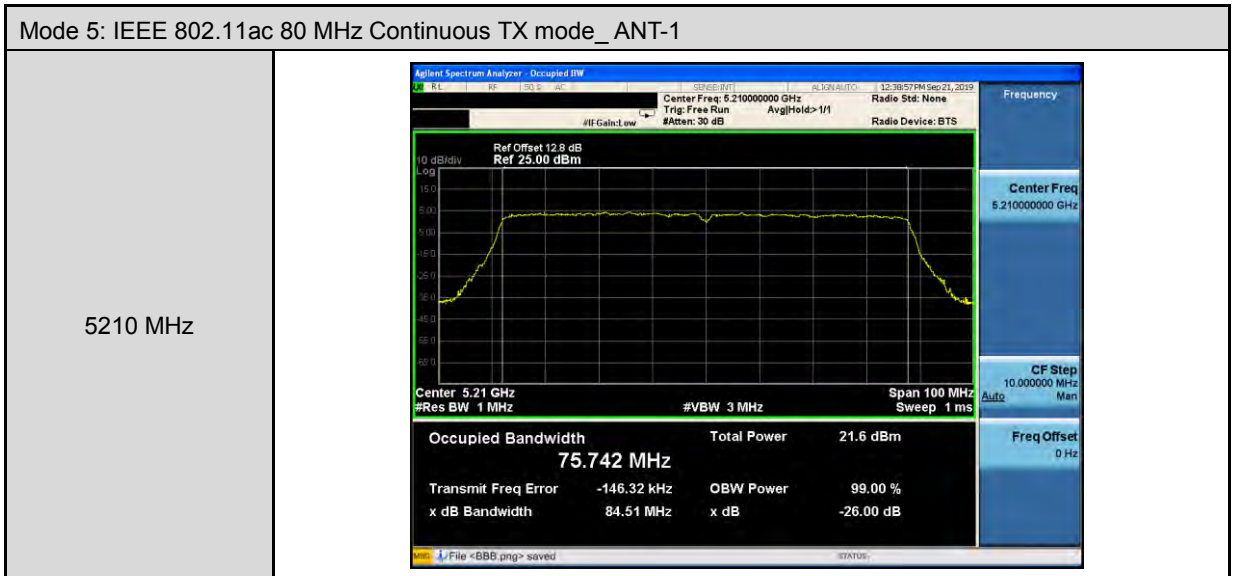




Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5180 MHz	<p>Center Freq: 5.18000000 GHz Occupied Bandwidth: 17.611 MHz Total Power: 23.1 dBm Transmit Freq Error: -88.599 kHz OBW Power: 99.00 % x dB Bandwidth: 20.18 MHz x dB: -26.00 dB</p>
5200 MHz	<p>Center Freq: 5.20000000 GHz Occupied Bandwidth: 17.608 MHz Total Power: 23.3 dBm Transmit Freq Error: -87.686 kHz OBW Power: 99.00 % x dB Bandwidth: 20.12 MHz x dB: -26.00 dB</p>
5240 MHz	<p>Center Freq: 5.24000000 GHz Occupied Bandwidth: 17.608 MHz Total Power: 23.2 dBm Transmit Freq Error: -88.185 kHz OBW Power: 99.00 % x dB Bandwidth: 20.26 MHz x dB: -26.00 dB</p>









### 6 dB RF Bandwidth Measurement

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5745	16390	16400	≥ 500
5785	16390	16400	≥ 500
5825	16380	16370	≥ 500

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5745	17600	17650	≥ 500
5785	17600	17620	≥ 500
5825	17610	17620	≥ 500

Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5755	35310	35150	≥ 500
5795	35190	35140	≥ 500

Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5775	75510	75460	≥ 500



Beamforming on

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5745	17610	17630	≥ 500
5785	17630	17620	≥ 500
5825	17620	17620	≥ 500

Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5755	35350	35320	≥ 500
5795	35370	35370	≥ 500

Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5775	75860	75840	≥ 500





■ Test Graphs

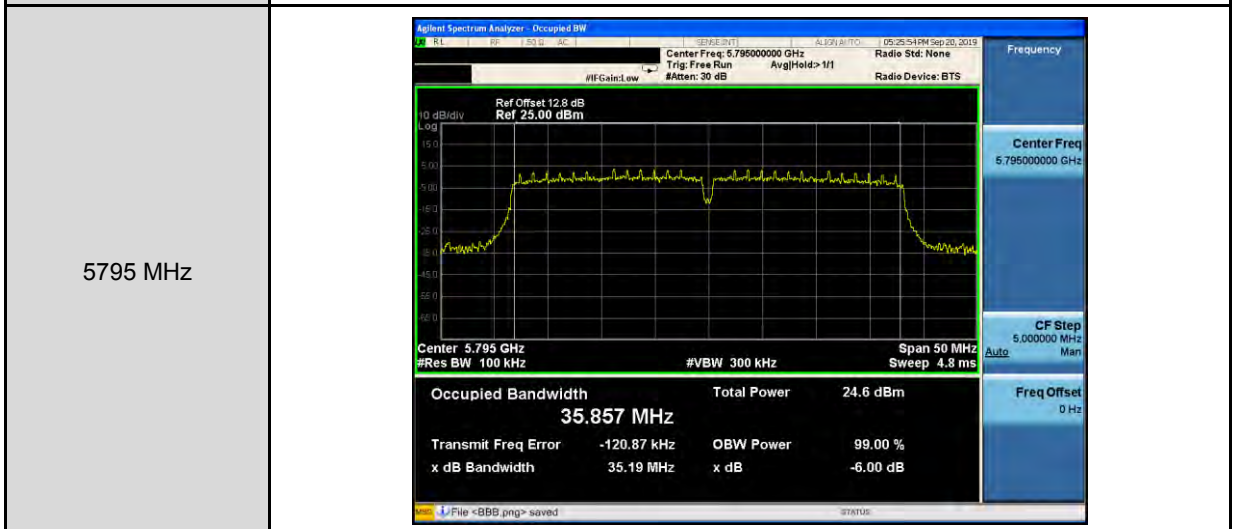
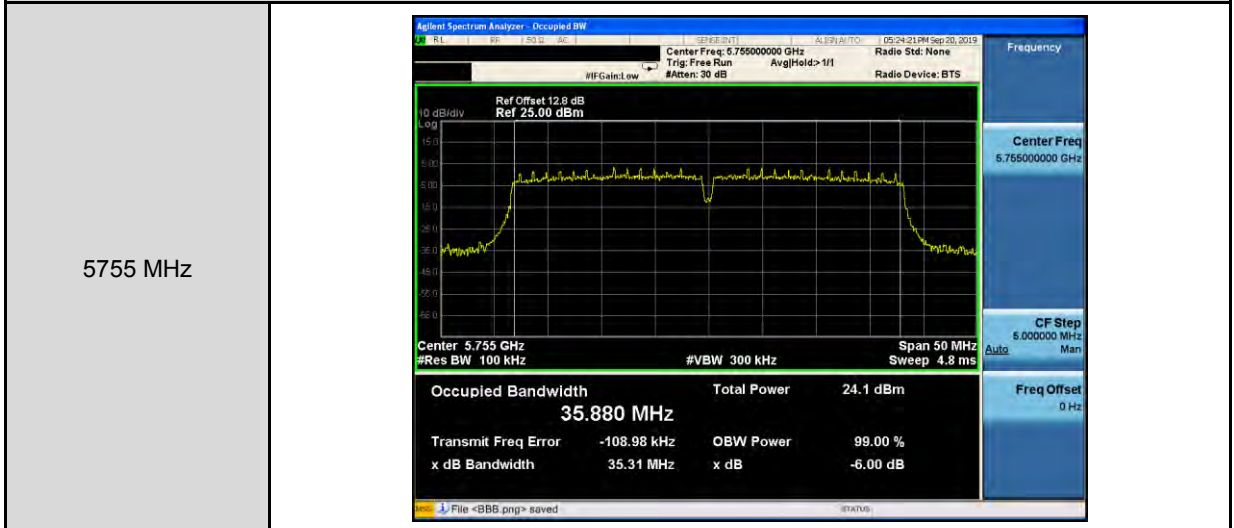
Mode 2: IEEE 802.11a Continuous TX mode_ANT-0	
5745 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz Trig: Free Run #IFGain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.8 dB Ref 25.00 dBm</p> <p>Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth: <b>16.359 MHz</b> Total Power: 24.0 dBm Transmit Freq Error: -94.042 kHz OBW Power: 99.00 % x dB Bandwidth: 16.39 MHz x dB: -6.00 dB</p> <p>Center Freq: 5.745000000 GHz CF Step: 3.000000 MHz Freq Offset: 0 Hz</p>
5785 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz Trig: Free Run #IFGain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.8 dB Ref 25.00 dBm</p> <p>Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth: <b>16.368 MHz</b> Total Power: 23.8 dBm Transmit Freq Error: -93.667 kHz OBW Power: 99.00 % x dB Bandwidth: 16.39 MHz x dB: -6.00 dB</p> <p>Center Freq: 5.785000000 GHz CF Step: 3.000000 MHz Freq Offset: 0 Hz</p>
5825 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.825000000 GHz Trig: Free Run #IFGain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.8 dB Ref 25.00 dBm</p> <p>Center 5.825 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth: <b>16.375 MHz</b> Total Power: 23.9 dBm Transmit Freq Error: -102.16 kHz OBW Power: 99.00 % x dB Bandwidth: 16.38 MHz x dB: -6.00 dB</p> <p>Center Freq: 5.825000000 GHz CF Step: 3.000000 MHz Freq Offset: 0 Hz</p>



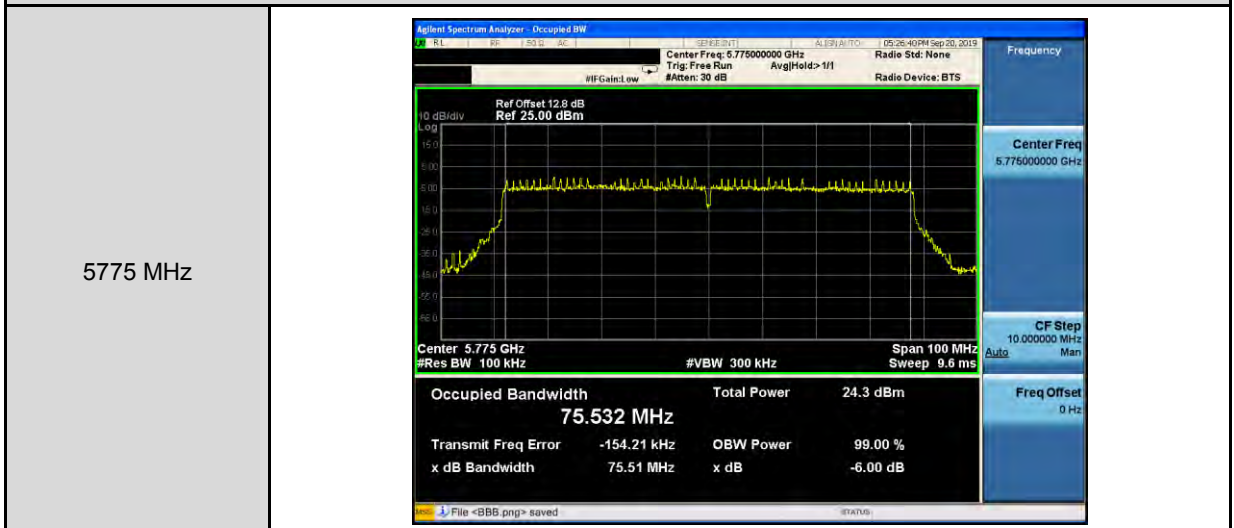
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-0																			
5745 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz Trig: Free Run #IFGain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.8 dB Ref 25.00 dBm</p> <p>Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>23.4 dBm</td> </tr> <tr> <td><b>17.585 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>-90.214 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>17.60 MHz</td> <td></td> <td></td> </tr> </table> <p>File &lt;BBB.png&gt; saved</p>	Occupied Bandwidth	Total Power	23.4 dBm	<b>17.585 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-90.214 kHz	x dB	-6.00 dB	x dB Bandwidth			17.60 MHz		
Occupied Bandwidth	Total Power	23.4 dBm																	
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5785 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz Trig: Free Run #IFGain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.8 dB Ref 25.00 dBm</p> <p>Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>23.5 dBm</td> </tr> <tr> <td><b>17.586 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>-92.204 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>17.60 MHz</td> <td></td> <td></td> </tr> </table> <p>File &lt;BBB.png&gt; saved</p>	Occupied Bandwidth	Total Power	23.5 dBm	<b>17.586 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-92.204 kHz	x dB	-6.00 dB	x dB Bandwidth			17.60 MHz		
Occupied Bandwidth	Total Power	23.5 dBm																	
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Transmit Freq Error	OBW Power	99.00 %																	
-92.204 kHz	x dB	-6.00 dB																	
x dB Bandwidth																			
17.60 MHz																			
5825 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.825000000 GHz Trig: Free Run #IFGain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.8 dB Ref 25.00 dBm</p> <p>Center 5.825 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>24.1 dBm</td> </tr> <tr> <td><b>17.579 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>-93.491 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>17.61 MHz</td> <td></td> <td></td> </tr> </table> <p>File &lt;BBB.png&gt; saved</p>	Occupied Bandwidth	Total Power	24.1 dBm	<b>17.579 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-93.491 kHz	x dB	-6.00 dB	x dB Bandwidth			17.61 MHz		
Occupied Bandwidth	Total Power	24.1 dBm																	
<b>17.579 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-93.491 kHz	x dB	-6.00 dB																	
x dB Bandwidth																			
17.61 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







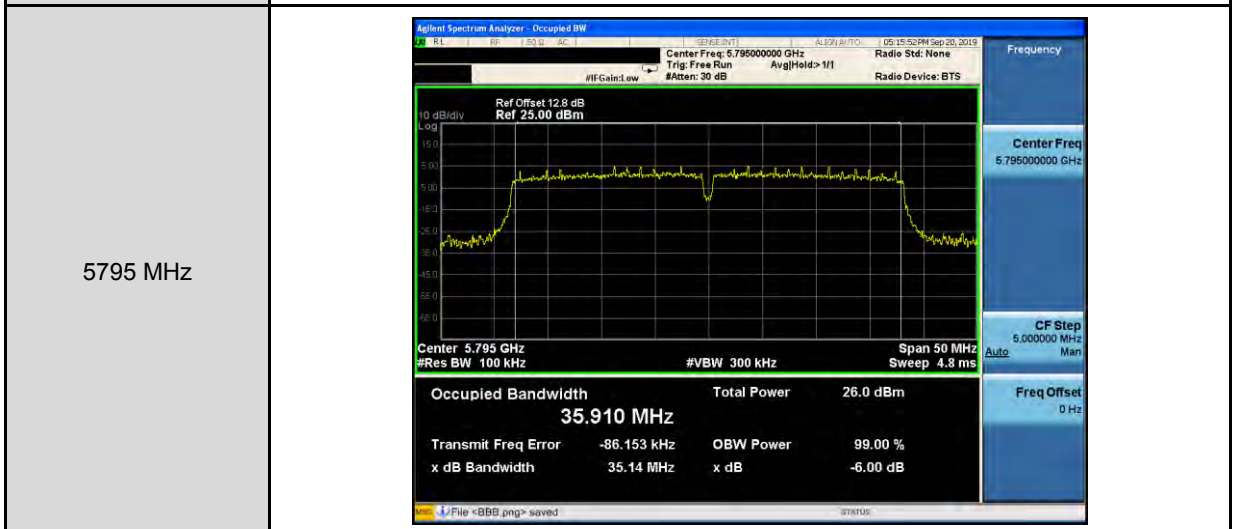
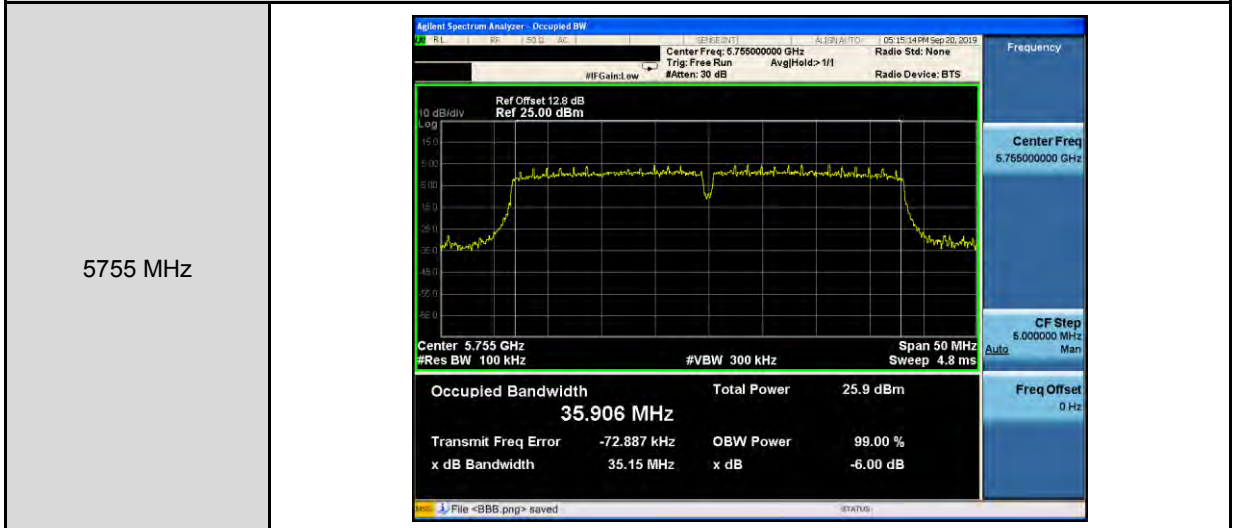
Mode 2: IEEE 802.11a Continuous TX mode_ANT-1	
5745 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz</p> <p>Ref Offset 12.8 dB Ref 25.00 dBm</p> <p>Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth <b>16.371 MHz</b> Total Power 25.9 dBm</p> <p>Transmit Freq Error -72.104 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 16.40 MHz x dB -6.00 dB</p>
5785 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz</p> <p>Ref Offset 12.8 dB Ref 25.00 dBm</p> <p>Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth <b>16.373 MHz</b> Total Power 25.7 dBm</p> <p>Transmit Freq Error -75.934 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 16.40 MHz x dB -6.00 dB</p>
5825 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.825000000 GHz</p> <p>Ref Offset 12.8 dB Ref 25.00 dBm</p> <p>Center 5.825 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth <b>16.378 MHz</b> Total Power 25.6 dBm</p> <p>Transmit Freq Error -80.997 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 16.37 MHz x dB -6.00 dB</p>



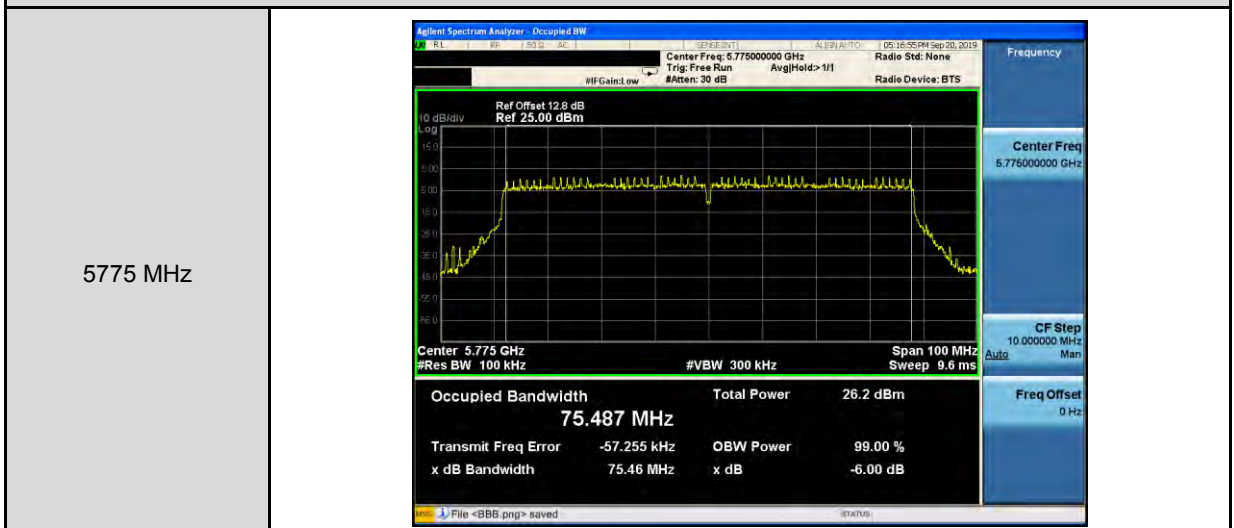
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5745 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz</p> <p>Ref Offset 12.8 dB Ref 25.00 dBm</p> <p>Center 5.745 GHz #Res BW 100 kHz</p> <p>Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth <b>17.585 MHz</b></p> <p>Total Power 25.5 dBm</p> <p>Transmit Freq Error -74.282 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.65 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 Offset 12.8 dB Ref 25.00 dBm</p> <p>Center 5.785 GHz #Res BW 100 kHz</p> <p>Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth <b>17.584 MHz</b></p> <p>Total Power 25.5 dBm</p> <p>Transmit Freq Error -77.458 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.62 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 Offset 12.8 dB Ref 25.00 dBm</p> <p>Center 5.825 GHz #Res BW 100 kHz</p> <p>Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth <b>17.592 MHz</b></p> <p>Total Power 25.5 dBm</p> <p>Transmit Freq Error -80.204 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.62 MHz</p> <p>x dB -6.00 dB</p>



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



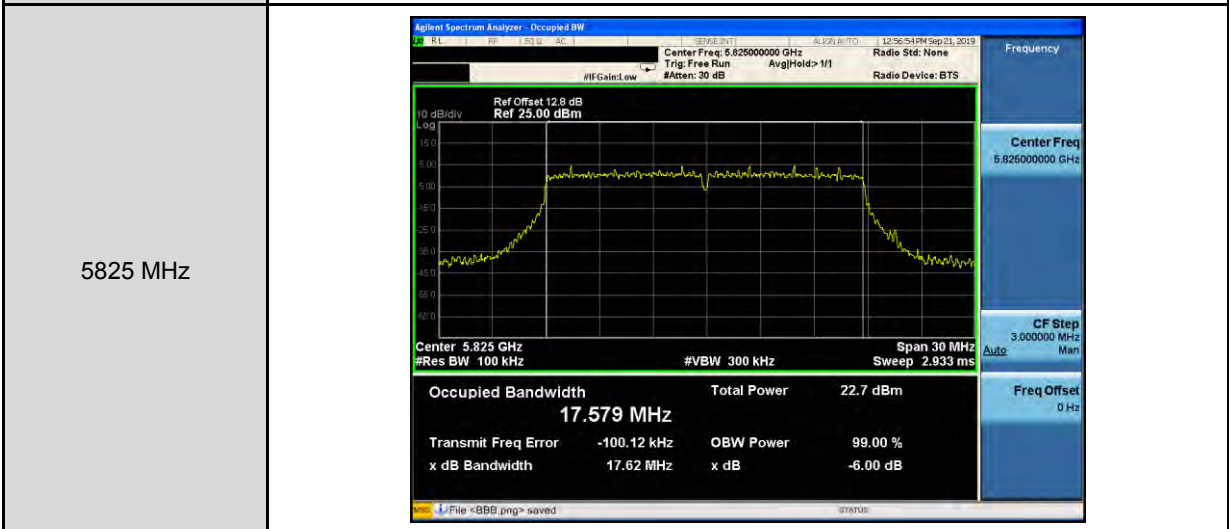
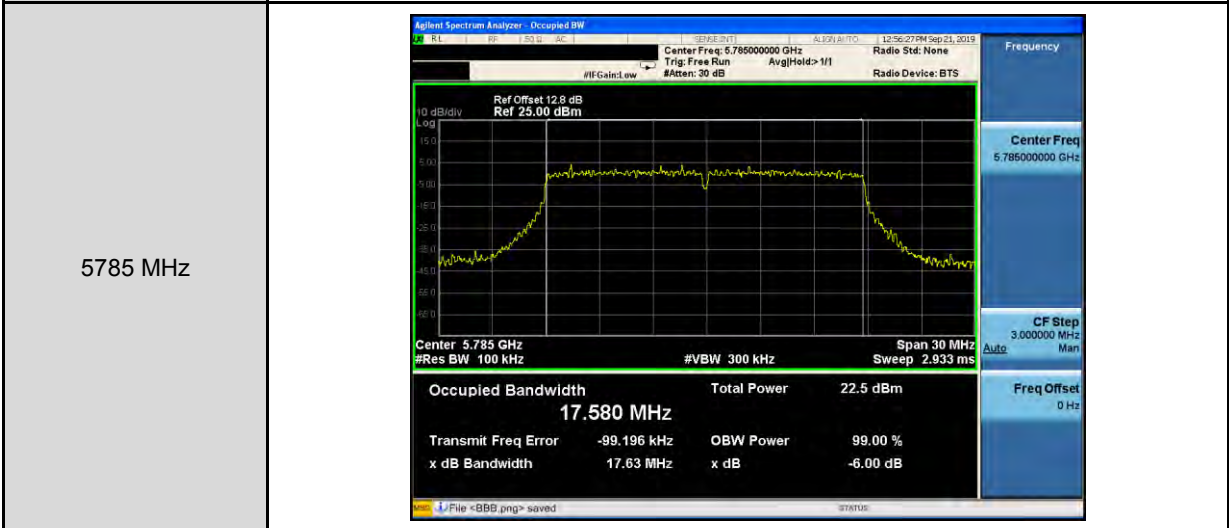
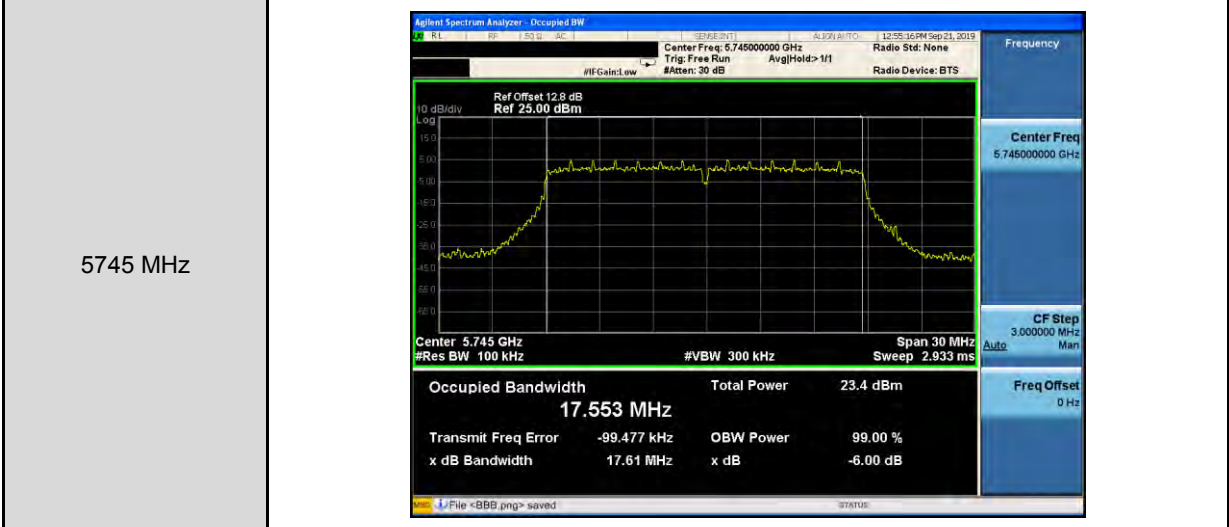
Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode\_ANT-1





Beamforming on

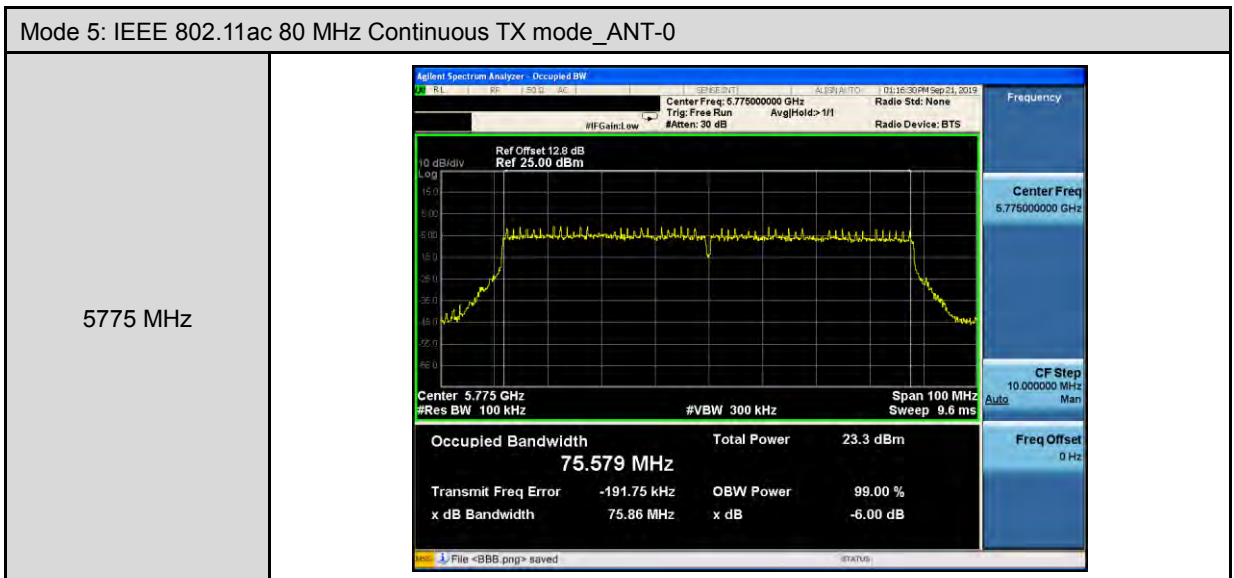
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode\_ANT-0







Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0																			
5755 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.755000000 GHz Trig: Free Run #IFGain: Low #Atten: 30 dB AUX/AUTO: 10:08:59 AM Sep 21, 2019 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.8 dB Ref 25.00 dBm</p> <p>Center 5.755 GHz #Res BW 100 kHz #VBW 300 kHz Span 50 MHz Sweep 4.8 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>23.6 dBm</td></tr><tr><td><b>35.806 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>-141.68 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>35.35 MHz</td><td></td><td></td></tr></table> <p>File &lt;BBB.png&gt; saved</p>	Occupied Bandwidth	Total Power	23.6 dBm	<b>35.806 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-141.68 kHz	x dB	-6.00 dB	x dB Bandwidth			35.35 MHz		
Occupied Bandwidth	Total Power	23.6 dBm																	
<b>35.806 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-141.68 kHz	x dB	-6.00 dB																	
x dB Bandwidth																			
35.35 MHz																			
5795 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.795000000 GHz Trig: Free Run #IFGain: Low #Atten: 30 dB AUX/AUTO: 10:13:35 AM Sep 21, 2019 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.8 dB Ref 25.00 dBm</p> <p>Center 5.795 GHz #Res BW 100 kHz #VBW 300 kHz Span 50 MHz Sweep 4.8 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>23.8 dBm</td></tr><tr><td><b>35.853 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>-123.03 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>35.37 MHz</td><td></td><td></td></tr></table> <p>File &lt;BBB.png&gt; saved</p>	Occupied Bandwidth	Total Power	23.8 dBm	<b>35.853 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-123.03 kHz	x dB	-6.00 dB	x dB Bandwidth			35.37 MHz		
Occupied Bandwidth	Total Power	23.8 dBm																	
<b>35.853 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-123.03 kHz	x dB	-6.00 dB																	
x dB Bandwidth																			
35.37 MHz																			



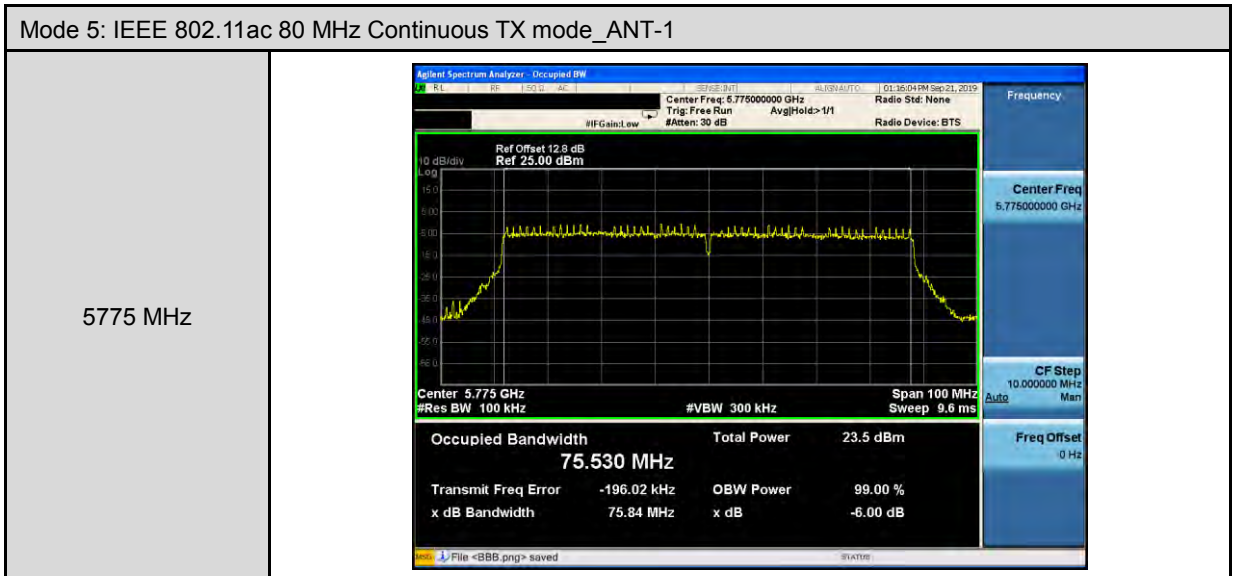


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1																			
5745 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz Trig: Free Run #IFGain: Low #Atten: 30 dB Avg Hold&gt;1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.8 dB Ref 25.00 dBm</p> <p>Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>22.7 dBm</td></tr><tr><td><b>17.574 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>-100.65 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>17.63 MHz</td><td></td><td></td></tr></table> <p>File &lt;BBB.png&gt; saved</p>	Occupied Bandwidth	Total Power	22.7 dBm	<b>17.574 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-100.65 kHz	x dB	-6.00 dB	x dB Bandwidth			17.63 MHz		
Occupied Bandwidth	Total Power	22.7 dBm																	
<b>17.574 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-100.65 kHz	x dB	-6.00 dB																	
x dB Bandwidth																			
17.63 MHz																			
5785 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz Trig: Free Run #IFGain: Low #Atten: 30 dB Avg Hold&gt;1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.8 dB Ref 25.00 dBm</p> <p>Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>22.9 dBm</td></tr><tr><td><b>17.567 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>-97.829 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>17.62 MHz</td><td></td><td></td></tr></table> <p>File &lt;BBB.png&gt; saved</p>	Occupied Bandwidth	Total Power	22.9 dBm	<b>17.567 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-97.829 kHz	x dB	-6.00 dB	x dB Bandwidth			17.62 MHz		
Occupied Bandwidth	Total Power	22.9 dBm																	
<b>17.567 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-97.829 kHz	x dB	-6.00 dB																	
x dB Bandwidth																			
17.62 MHz																			
5825 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.825000000 GHz Trig: Free Run #IFGain: Low #Atten: 30 dB Avg Hold&gt;1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.8 dB Ref 25.00 dBm</p> <p>Center 5.825 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>22.7 dBm</td></tr><tr><td><b>17.577 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>-98.209 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>17.62 MHz</td><td></td><td></td></tr></table> <p>File &lt;BBB.png&gt; saved</p>	Occupied Bandwidth	Total Power	22.7 dBm	<b>17.577 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-98.209 kHz	x dB	-6.00 dB	x dB Bandwidth			17.62 MHz		
Occupied Bandwidth	Total Power	22.7 dBm																	
<b>17.577 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-98.209 kHz	x dB	-6.00 dB																	
x dB Bandwidth																			
17.62 MHz																			



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-1																			
5755 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.755000000 GHz Trig: Free Run #IFGain: Low #Atten: 30 dB Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.8 dB Ref 25.00 dBm</p> <p>Center 5.755 GHz #Res BW 100 kHz #VBW 300 kHz Span 50 MHz Sweep 4.8 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>23.2 dBm</td> </tr> <tr> <td><b>35.871 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>-137.44 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>35.32 MHz</td> <td></td> <td></td> </tr> </table> <p>File &lt;BBB.png&gt; saved</p>	Occupied Bandwidth	Total Power	23.2 dBm	<b>35.871 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-137.44 kHz	x dB	-6.00 dB	x dB Bandwidth			35.32 MHz		
Occupied Bandwidth	Total Power	23.2 dBm																	
<b>35.871 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-137.44 kHz	x dB	-6.00 dB																	
x dB Bandwidth																			
35.32 MHz																			
5795 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.795000000 GHz Trig: Free Run #IFGain: Low #Atten: 30 dB Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.8 dB Ref 25.00 dBm</p> <p>Center 5.795 GHz #Res BW 100 kHz #VBW 300 kHz Span 50 MHz Sweep 4.8 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>23.4 dBm</td> </tr> <tr> <td><b>35.877 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>-123.41 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>35.37 MHz</td> <td></td> <td></td> </tr> </table> <p>File &lt;BBB.png&gt; saved</p>	Occupied Bandwidth	Total Power	23.4 dBm	<b>35.877 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-123.41 kHz	x dB	-6.00 dB	x dB Bandwidth			35.37 MHz		
Occupied Bandwidth	Total Power	23.4 dBm																	
<b>35.877 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-123.41 kHz	x dB	-6.00 dB																	
x dB Bandwidth																			
35.37 MHz																			







**Maximum Power Spectral Density Measurement**

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	8.030	0.123	8.153	≤ 15.28
5200	7.446	0.123	7.569	
5240	7.843	0.123	7.966	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	7.479	0.123	7.602	≤ 15.28
5200	7.480	0.123	7.603	
5240	7.224	0.123	7.347	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180	10.896			≤ 15.28
5200	10.596			
5240	10.678			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-1.512	0.123	5.601	≤ 28.52
5785	-1.722	0.123	5.391	
5825	-1.769	0.123	5.344	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-1.835	0.123	5.278	≤ 28.52
5785	-2.057	0.123	5.056	
5825	-1.780	0.123	5.333	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			Limit (dBm/500 kHz)
5745	8.452			≤ 28.52
5785	8.237			
5825	8.348			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	7.779	0.038	7.817	≤ 15.28
5200	7.359	0.038	7.397	
5240	7.753	0.038	7.791	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	7.823	0.038	7.861	≤ 15.28
5200	7.638	0.038	7.676	
5240	7.858	0.038	7.896	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
		Calculated (dBm/MHz)		
5180	10.850		≤ 15.28	
5200	10.550			
5240	10.855			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-1.962	0.038	5.066	≤ 28.52
5785	-2.051	0.038	4.977	
5825	-2.194	0.038	4.834	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-1.815	0.038	5.213	≤ 28.52
5785	-1.865	0.038	5.163	
5825	-1.741	0.038	5.287	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			Limit (dBm/500 kHz)
5745	8.151			≤ 28.52
5785	8.081			
5825	8.077			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
	5190	5.523	0.105	5.628
5230	5.567	0.105	5.672	≤ 15.28
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
	5190	5.689	0.105	5.794
5230	5.517	0.105	5.622	≤ 15.28
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
	5190	8.722		≤ 15.28
5230	8.657			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-5.083	0.105	2.011	≤ 28.52
5795	-4.728	0.105	2.366	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-4.769	0.105	2.325	≤ 28.52
5795	-4.930	0.105	2.164	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			Limit (dBm/500 kHz)
5755	5.181			≤ 28.52
5795	5.277			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
	5210	-0.284	0.237	-0.047
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
	5210	-0.422	0.237	-0.185
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			Limit (dBm/MHz)
	5210	2.895		≤ 15.28

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-8.635	0.237	-1.409	≤ 28.52
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-8.900	0.237	-1.674	≤ 28.52
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			Limit (dBm/500 kHz)
5775	1.471			≤ 28.52

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)





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Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	4.649	0.038	4.687	≤ 15.28
5200	4.668	0.038	4.706	
5240	4.578	0.038	4.616	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	4.691	0.038	4.729	≤ 15.28
5200	4.679	0.038	4.717	
5240	4.678	0.038	4.716	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			Limit (dBm/MHz)
5180	7.719			≤ 15.28
5200	7.722			
5240	7.677			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-4.685	0.038	2.343	≤ 28.52
5785	-4.984	0.038	2.044	
5825	-4.589	0.038	2.439	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-4.220	0.038	2.808	≤ 28.52
5785	-4.956	0.038	2.072	
5825	-4.238	0.038	2.790	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			Limit (dBm/500 kHz)
5745	5.592			≤ 28.52
5785	5.069			
5825	5.629			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	2.024	0.105	2.129	≤ 15.28
5230	2.127	0.105	2.232	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	1.974	0.105	2.079	≤ 15.28
5230	1.966	0.105	2.071	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			Limit (dBm/MHz)
5190	5.114			≤ 15.28
5230	5.162			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-7.231	0.105	-0.137	≤ 28.52
5795	-7.102	0.105	-0.008	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-7.649	0.105	-0.555	≤ 28.52
5795	-7.318	0.105	-0.224	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			Limit (dBm/500 kHz)
5755	2.670			≤ 28.52
5795	2.896			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
	5210	-3.937	0.237	-3.700 ≤ 15.28
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
	5210	-3.951	0.237	-3.714 ≤ 15.28
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			Limit (dBm/MHz)
	5210	-0.697		≤ 15.28

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-11.356	0.237	-4.130	≤ 28.52
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-11.666	0.237	-4.440	≤ 28.52
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			Limit (dBm/500 kHz)
5775	-1.271			≤ 28.52

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	<p>Agilent Spectrum Analyzer: Sweep 5A Ref Offset 12.8 dB Ref 25.00 dBm Mkr1 5.174 87 GHz 8.030 dBm Center 5.18000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts)</p>
5200 MHz	<p>Agilent Spectrum Analyzer: Sweep 5A Ref Offset 12.8 dB Ref 25.00 dBm Mkr1 5.201 14 GHz 7.446 dBm Center 5.20000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts)</p>
5240 MHz	<p>Agilent Spectrum Analyzer: Sweep 5A Ref Offset 12.8 dB Ref 25.00 dBm Mkr1 5.245 07 GHz 7.843 dBm Center 5.24000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts)</p>



Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0									
5745 MHz	<p>Agilent Spectrum Analyzer: Sweep 5A 10:51:13 AM Sep 23, 2019 PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS #Atten: 20 dB Avg Hold: 100/100 Ref Offset 12.8 dB Ref 15.00 dBm Mkr1 5.746 14 GHz -1.512 dBm Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts) File &lt;8BB.png&gt; saved</p> <table border="1"><tr><td>Frequency</td></tr><tr><td>Auto Tune</td></tr><tr><td>Center Freq 5.74500000 GHz</td></tr><tr><td>Start Freq 5.73000000 GHz</td></tr><tr><td>Stop Freq 5.76000000 GHz</td></tr><tr><td>CF Step 3.00000 MHz</td></tr><tr><td>Auto Man</td></tr><tr><td>Freq Offset 0 Hz</td></tr></table>	Frequency	Auto Tune	Center Freq 5.74500000 GHz	Start Freq 5.73000000 GHz	Stop Freq 5.76000000 GHz	CF Step 3.00000 MHz	Auto Man	Freq Offset 0 Hz
Frequency									
Auto Tune									
Center Freq 5.74500000 GHz									
Start Freq 5.73000000 GHz									
Stop Freq 5.76000000 GHz									
CF Step 3.00000 MHz									
Auto Man									
Freq Offset 0 Hz									
5785 MHz	<p>Agilent Spectrum Analyzer: Sweep 5A 10:51:14 AM Sep 23, 2019 PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS #Atten: 20 dB Avg Hold: 100/100 Ref Offset 12.8 dB Ref 15.00 dBm Mkr1 5.782 69 GHz -1.722 dBm Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts) File &lt;8BB.png&gt; saved</p> <table border="1"><tr><td>Frequency</td></tr><tr><td>Auto Tune</td></tr><tr><td>Center Freq 5.78500000 GHz</td></tr><tr><td>Start Freq 5.77000000 GHz</td></tr><tr><td>Stop Freq 5.80000000 GHz</td></tr><tr><td>CF Step 3.00000 MHz</td></tr><tr><td>Auto Man</td></tr><tr><td>Freq Offset 0 Hz</td></tr></table>	Frequency	Auto Tune	Center Freq 5.78500000 GHz	Start Freq 5.77000000 GHz	Stop Freq 5.80000000 GHz	CF Step 3.00000 MHz	Auto Man	Freq Offset 0 Hz
Frequency									
Auto Tune									
Center Freq 5.78500000 GHz									
Start Freq 5.77000000 GHz									
Stop Freq 5.80000000 GHz									
CF Step 3.00000 MHz									
Auto Man									
Freq Offset 0 Hz									
5825 MHz	<p>Agilent Spectrum Analyzer: Sweep 5A 10:52:15 AM Sep 23, 2019 PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS #Atten: 20 dB Avg Hold: 100/100 Ref Offset 12.8 dB Ref 15.00 dBm Mkr1 5.819 90 GHz -1.769 dBm Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts) File &lt;8BB.png&gt; saved</p> <table border="1"><tr><td>Frequency</td></tr><tr><td>Auto Tune</td></tr><tr><td>Center Freq 5.82500000 GHz</td></tr><tr><td>Start Freq 5.81000000 GHz</td></tr><tr><td>Stop Freq 5.84000000 GHz</td></tr><tr><td>CF Step 3.00000 MHz</td></tr><tr><td>Auto Man</td></tr><tr><td>Freq Offset 0 Hz</td></tr></table>	Frequency	Auto Tune	Center Freq 5.82500000 GHz	Start Freq 5.81000000 GHz	Stop Freq 5.84000000 GHz	CF Step 3.00000 MHz	Auto Man	Freq Offset 0 Hz
Frequency									
Auto Tune									
Center Freq 5.82500000 GHz									
Start Freq 5.81000000 GHz									
Stop Freq 5.84000000 GHz									
CF Step 3.00000 MHz									
Auto Man									
Freq Offset 0 Hz									



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

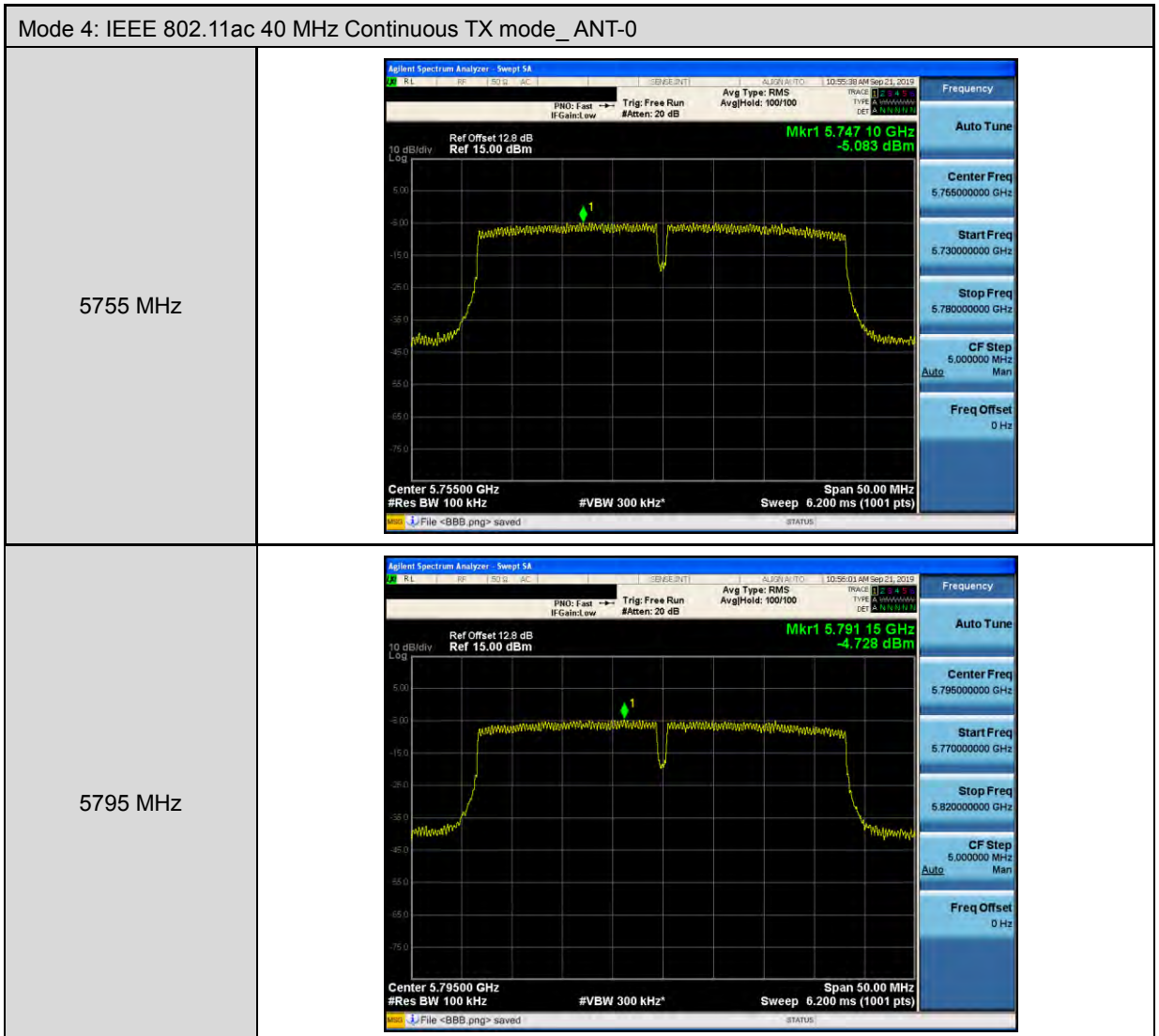


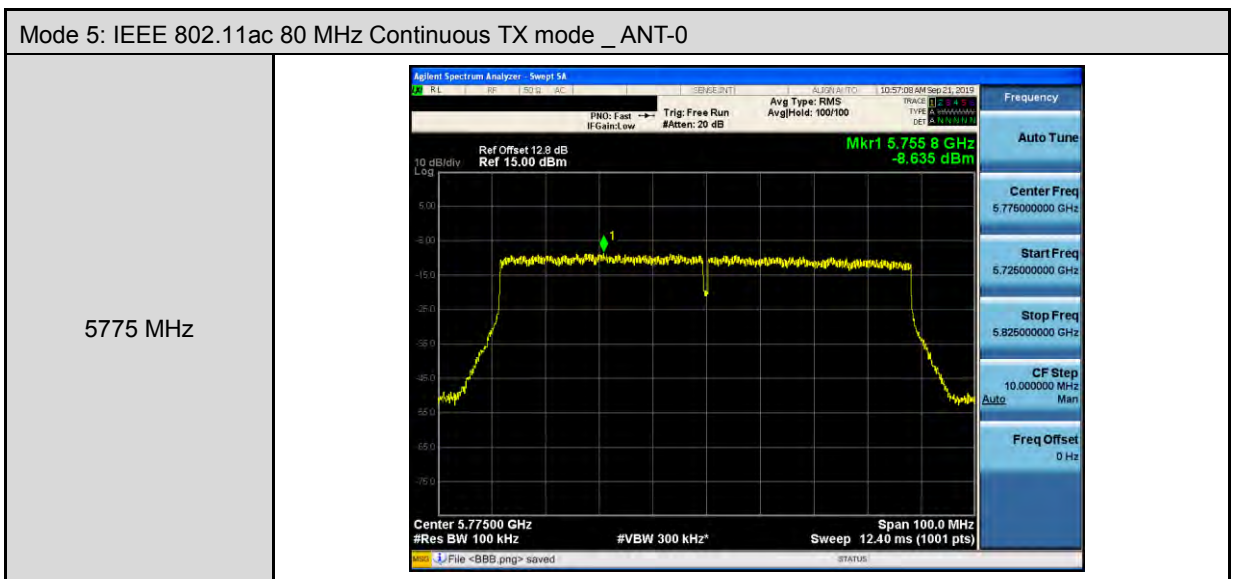
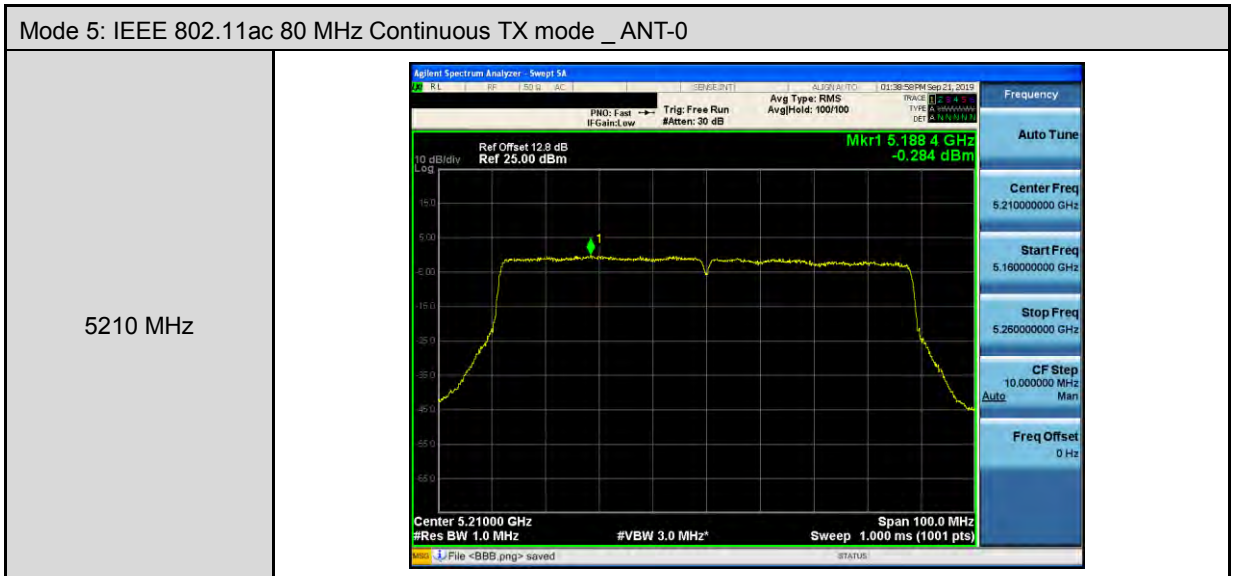


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-0	
5745 MHz	<p>Agilent Spectrum Analyzer: Sweep 5A PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS IF Gain: Low #Atten: 20 dB Avg Hold: 100/100 Ref Offset 12.8 dB Ref 15.00 dBm Mkr1 5.740 53 GHz -1.962 dBm 10 dB/div Log Center 5.74500 GHz Span 30.00 MHz #Res BW 100 kHz #VBW 300 kHz* Sweep 3.733 ms (1001 pts) File &lt;BBB.png&gt; saved</p>
5785 MHz	<p>Agilent Spectrum Analyzer: Sweep 5A PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS IF Gain: Low #Atten: 20 dB Avg Hold: 100/100 Ref Offset 12.8 dB Ref 15.00 dBm Mkr1 5.778 67 GHz -2.051 dBm 10 dB/div Log Center 5.78500 GHz Span 30.00 MHz #Res BW 100 kHz #VBW 300 kHz* Sweep 3.733 ms (1001 pts) File &lt;BBB.png&gt; saved</p>
5825 MHz	<p>Agilent Spectrum Analyzer: Sweep 5A PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS IF Gain: Low #Atten: 20 dB Avg Hold: 100/100 Ref Offset 12.8 dB Ref 15.00 dBm Mkr1 5.821 46 GHz -2.194 dBm 10 dB/div Log Center 5.82500 GHz Span 30.00 MHz #Res BW 100 kHz #VBW 300 kHz* Sweep 3.733 ms (1001 pts) File &lt;BBB.png&gt; saved</p>











Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	






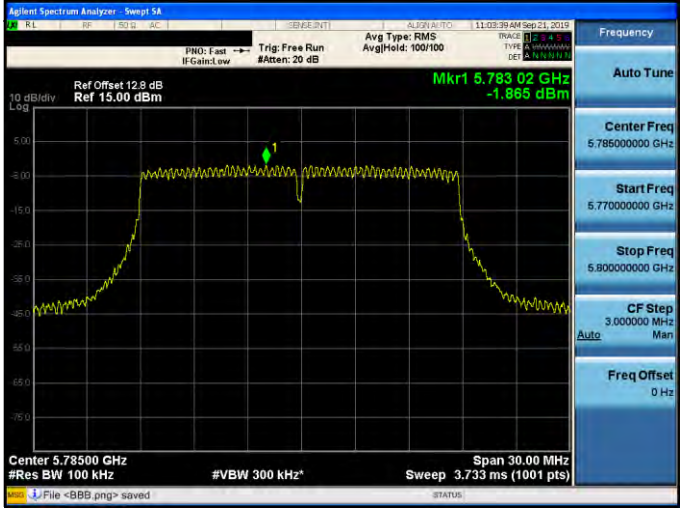
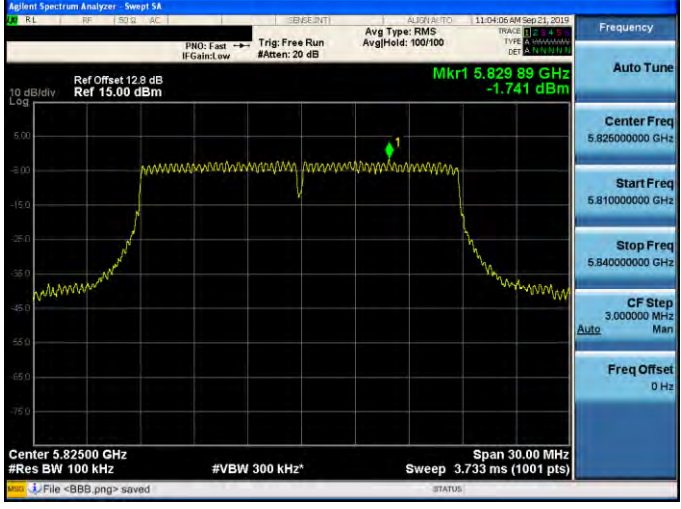
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5745 MHz	<p>Agilent Spectrum Analyzer: Sweep 5A Ref Offset 12.8 dB Ref 15.00 dBm Mkr1 5.745 53 GHz -1.835 dBm Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts)</p>
5785 MHz	<p>Agilent Spectrum Analyzer: Sweep 5A Ref Offset 12.8 dB Ref 15.00 dBm Mkr1 5.783 02 GHz -2.057 dBm Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts)</p>
5825 MHz	<p>Agilent Spectrum Analyzer: Sweep 5A Ref Offset 12.8 dB Ref 15.00 dBm Mkr1 5.828 63 GHz -1.780 dBm Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts)</p>



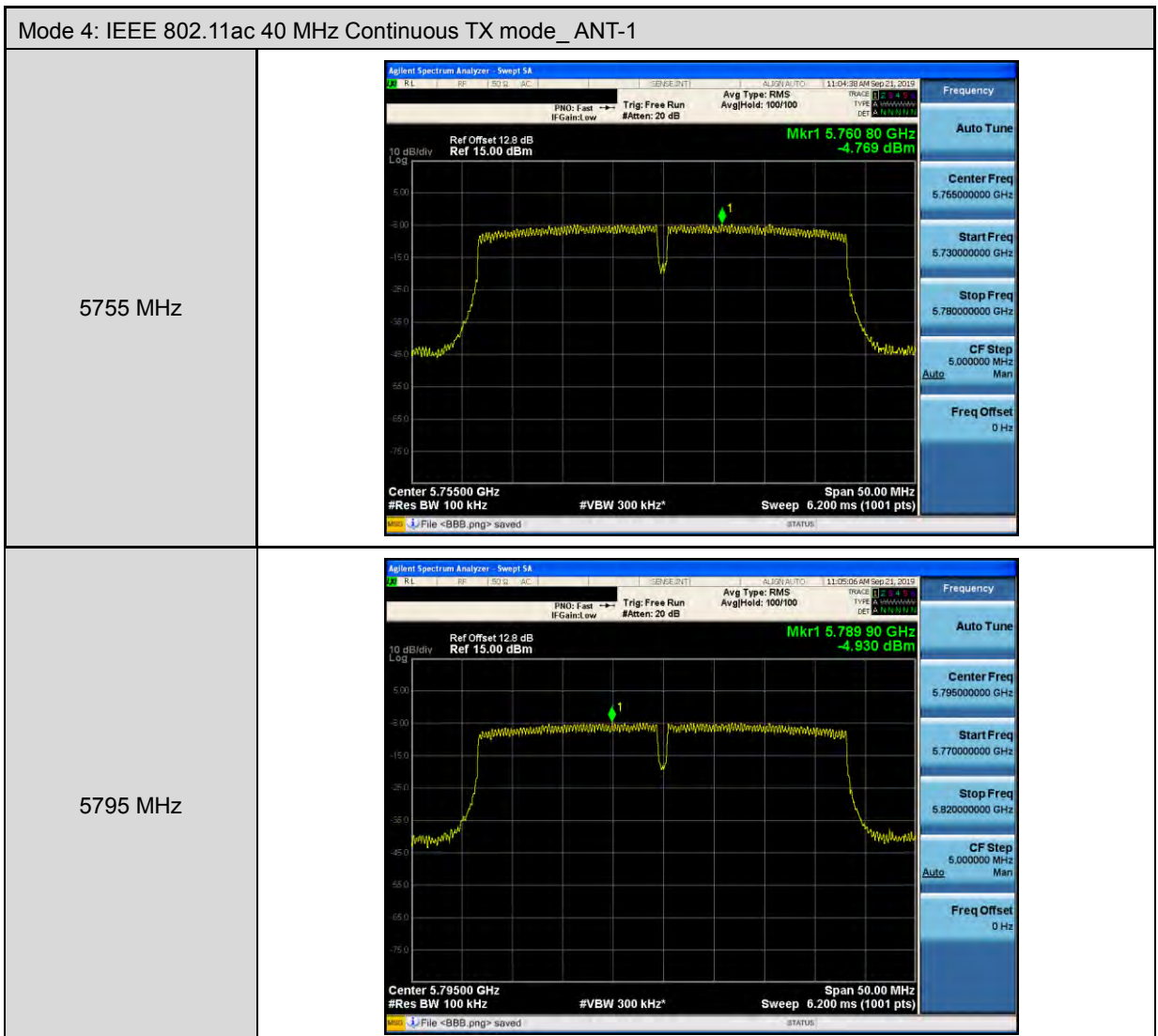


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-1	
5180 MHz	<p>Agilent Spectrum Analyzer: Sweep 5A Ref Offset 12.8 dB Ref 25.00 dBm Mkr1 5.17595 GHz 7.823 dBm Center 5.18000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts)</p>
5200 MHz	<p>Agilent Spectrum Analyzer: Sweep 5A Ref Offset 12.8 dB Ref 25.00 dBm Mkr1 5.19589 GHz 7.638 dBm Center 5.20000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts)</p>
5240 MHz	<p>Agilent Spectrum Analyzer: Sweep 5A Ref Offset 12.8 dB Ref 25.00 dBm Mkr1 5.23904 GHz 7.858 dBm Center 5.24000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts)</p>

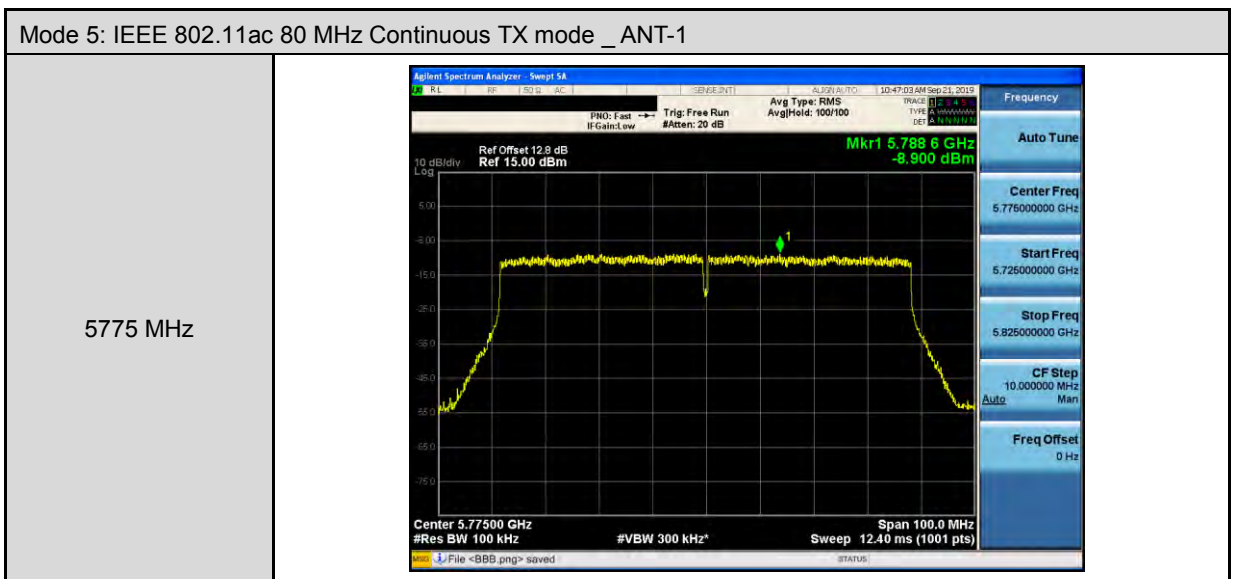
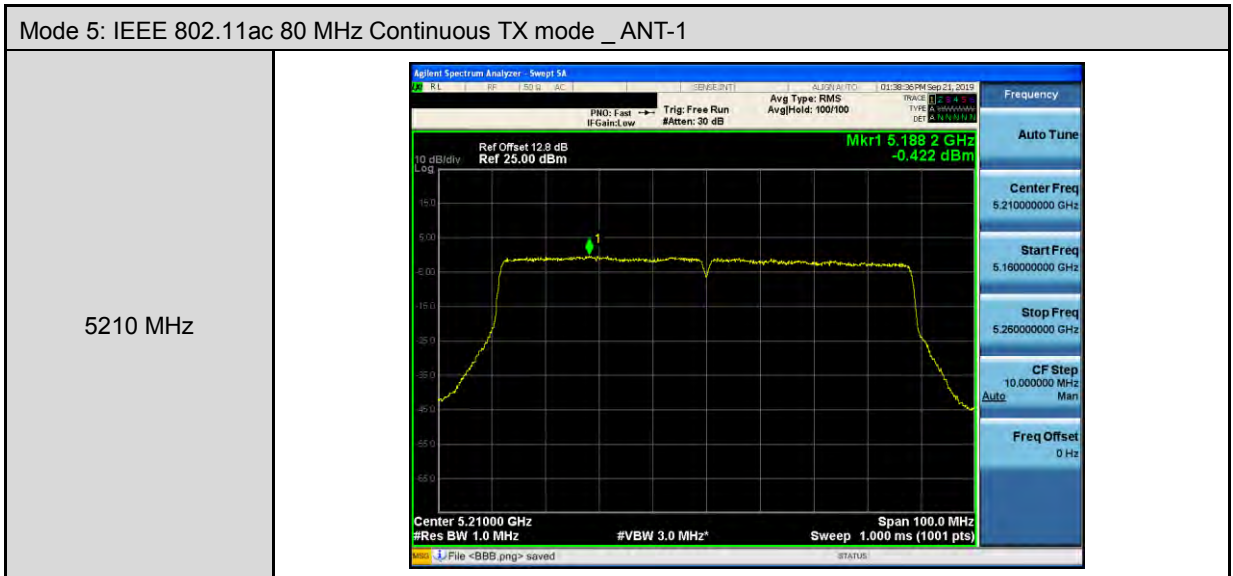


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-1								
5745 MHz	 <p>Agilent Spectrum Analyzer - Sweep 5A 11:02:13 AM Sep 21, 2019 PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS Avg Hold: 100/100 Ref Offset 12.8 dB Ref 15.00 dBm Mkr1 5.744 25 GHz -1.815 dBm Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts) File &lt;BBB.png&gt; saved</p> <table border="1"><thead><tr><th>Frequency</th></tr></thead><tbody><tr><td>Auto Tune</td></tr><tr><td>Center Freq 5.74500000 GHz</td></tr><tr><td>Start Freq 5.73000000 GHz</td></tr><tr><td>Stop Freq 5.76000000 GHz</td></tr><tr><td>CF Step 3.000000 MHz Man</td></tr><tr><td>Freq Offset 0 Hz</td></tr></tbody></table>	Frequency	Auto Tune	Center Freq 5.74500000 GHz	Start Freq 5.73000000 GHz	Stop Freq 5.76000000 GHz	CF Step 3.000000 MHz Man	Freq Offset 0 Hz
Frequency								
Auto Tune								
Center Freq 5.74500000 GHz								
Start Freq 5.73000000 GHz								
Stop Freq 5.76000000 GHz								
CF Step 3.000000 MHz Man								
Freq Offset 0 Hz								
5785 MHz	 <p>Agilent Spectrum Analyzer - Sweep 5A 11:03:39 AM Sep 21, 2019 PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS Avg Hold: 100/100 Ref Offset 12.8 dB Ref 15.00 dBm Mkr1 5.783 02 GHz -1.865 dBm Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts) File &lt;BBB.png&gt; saved</p> <table border="1"><thead><tr><th>Frequency</th></tr></thead><tbody><tr><td>Auto Tune</td></tr><tr><td>Center Freq 5.78500000 GHz</td></tr><tr><td>Start Freq 5.77000000 GHz</td></tr><tr><td>Stop Freq 5.80000000 GHz</td></tr><tr><td>CF Step 3.000000 MHz Man</td></tr><tr><td>Freq Offset 0 Hz</td></tr></tbody></table>	Frequency	Auto Tune	Center Freq 5.78500000 GHz	Start Freq 5.77000000 GHz	Stop Freq 5.80000000 GHz	CF Step 3.000000 MHz Man	Freq Offset 0 Hz
Frequency								
Auto Tune								
Center Freq 5.78500000 GHz								
Start Freq 5.77000000 GHz								
Stop Freq 5.80000000 GHz								
CF Step 3.000000 MHz Man								
Freq Offset 0 Hz								
5825 MHz	 <p>Agilent Spectrum Analyzer - Sweep 5A 11:04:06 AM Sep 21, 2019 PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS Avg Hold: 100/100 Ref Offset 12.8 dB Ref 15.00 dBm Mkr1 5.829 89 GHz -1.741 dBm Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts) File &lt;BBB.png&gt; saved</p> <table border="1"><thead><tr><th>Frequency</th></tr></thead><tbody><tr><td>Auto Tune</td></tr><tr><td>Center Freq 5.82500000 GHz</td></tr><tr><td>Start Freq 5.81000000 GHz</td></tr><tr><td>Stop Freq 5.84000000 GHz</td></tr><tr><td>CF Step 3.000000 MHz Man</td></tr><tr><td>Freq Offset 0 Hz</td></tr></tbody></table>	Frequency	Auto Tune	Center Freq 5.82500000 GHz	Start Freq 5.81000000 GHz	Stop Freq 5.84000000 GHz	CF Step 3.000000 MHz Man	Freq Offset 0 Hz
Frequency								
Auto Tune								
Center Freq 5.82500000 GHz								
Start Freq 5.81000000 GHz								
Stop Freq 5.84000000 GHz								
CF Step 3.000000 MHz Man								
Freq Offset 0 Hz								





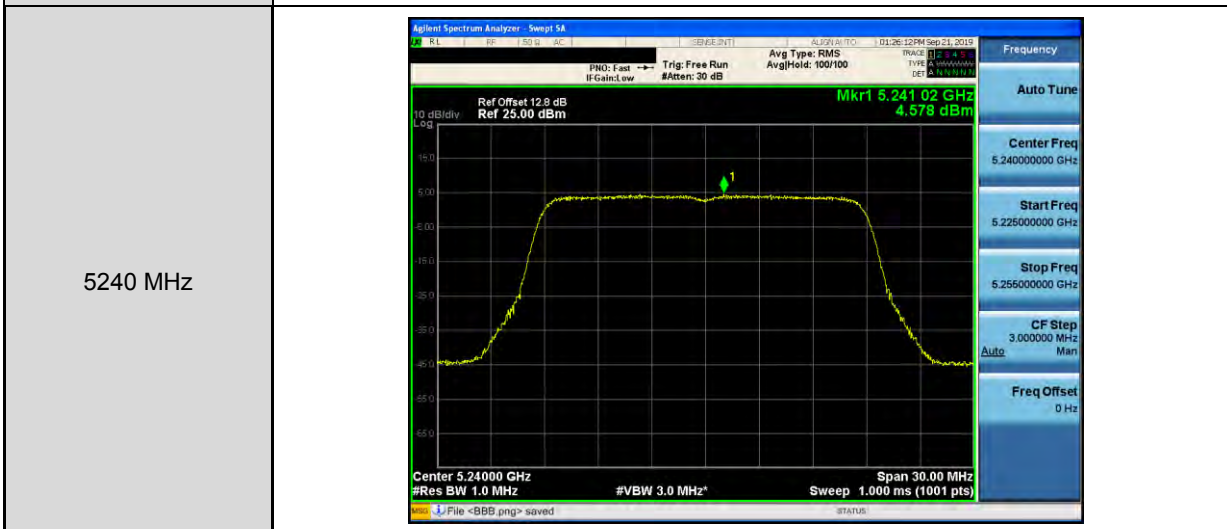






Beamforming on

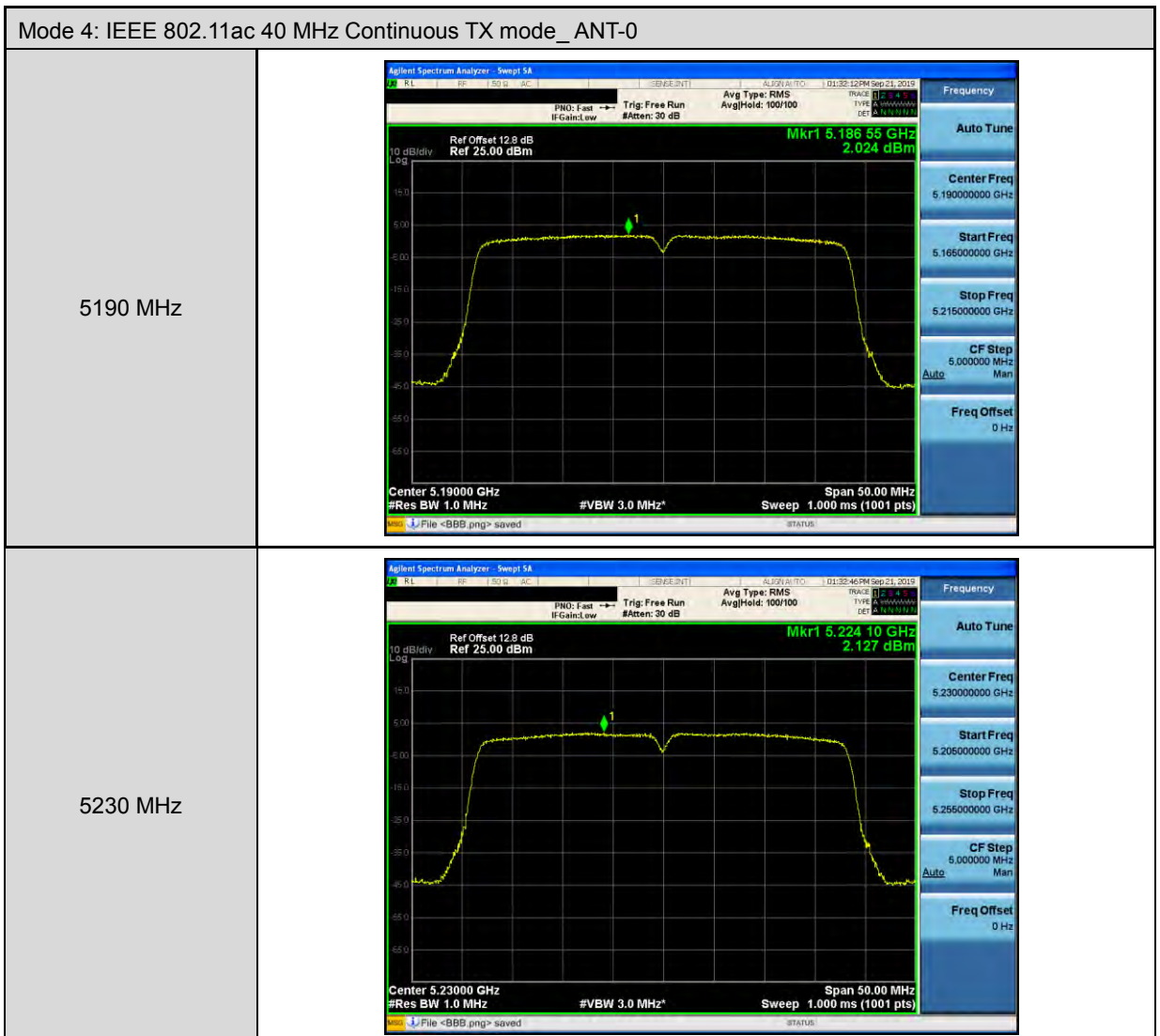
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode \_ ANT-0

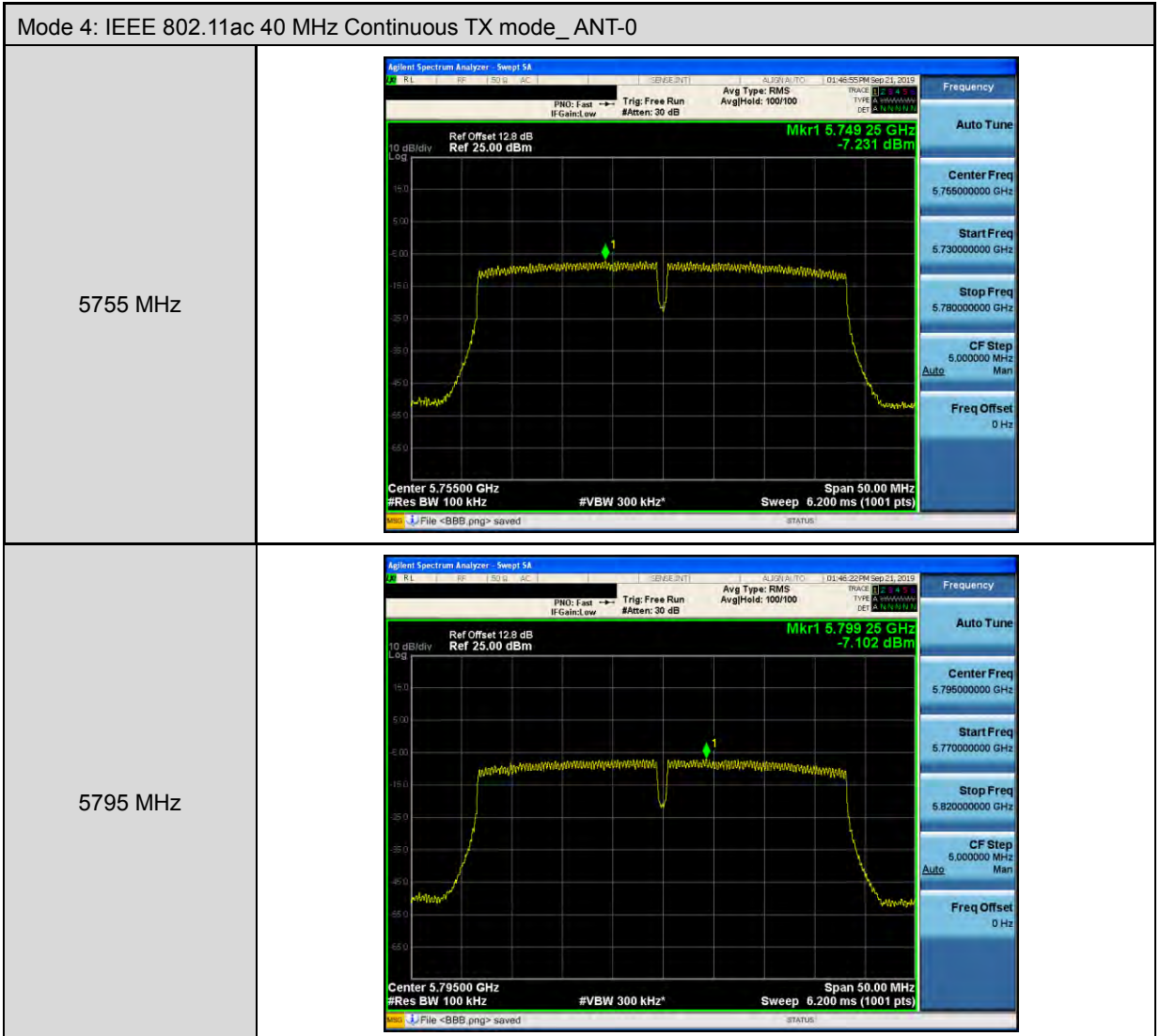


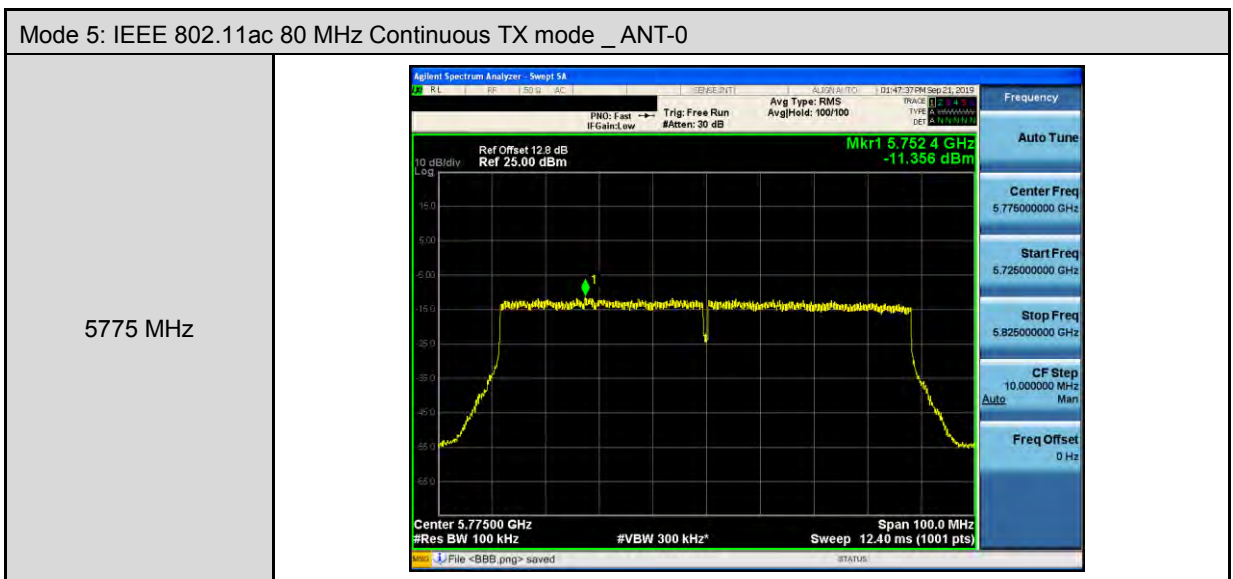
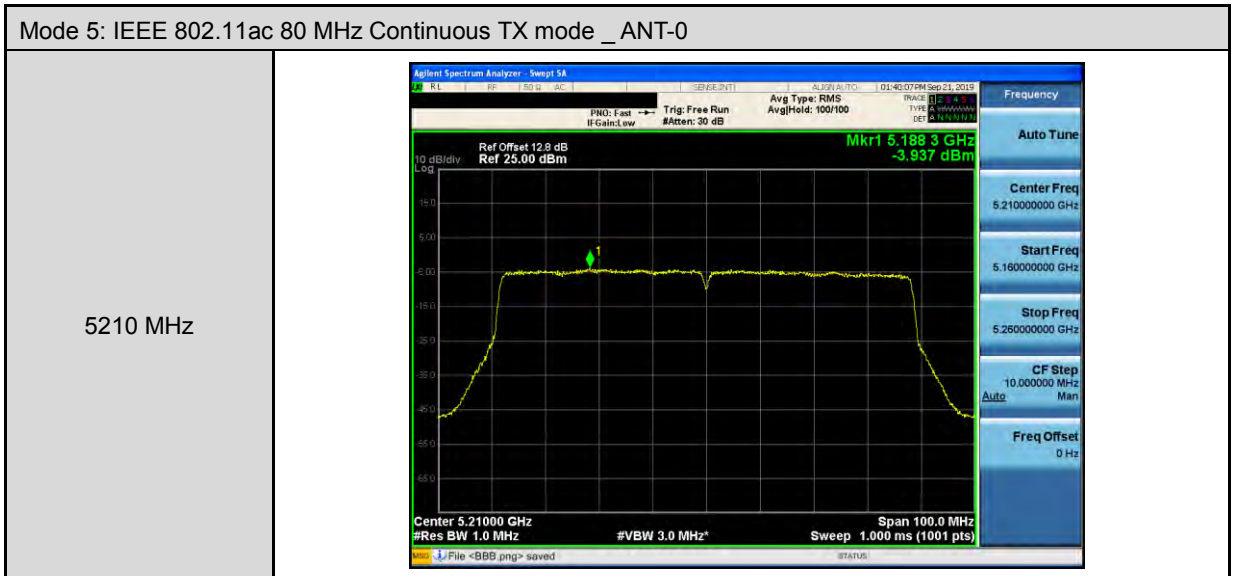




Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-0	
5745 MHz	<p>Agilent Spectrum Analyzer: Sweep 5A Ref Offset 12.8 dB Ref 25.00 dBm Mkr1 5.746 14 GHz -4.685 dBm Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts)</p>
5785 MHz	<p>Agilent Spectrum Analyzer: Sweep 5A Ref Offset 12.8 dB Ref 25.00 dBm Mkr1 5.780 86 GHz -4.984 dBm Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts)</p>
5825 MHz	<p>Agilent Spectrum Analyzer: Sweep 5A Ref Offset 12.8 dB Ref 25.00 dBm Mkr1 5.825 54 GHz -4.589 dBm Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts)</p>









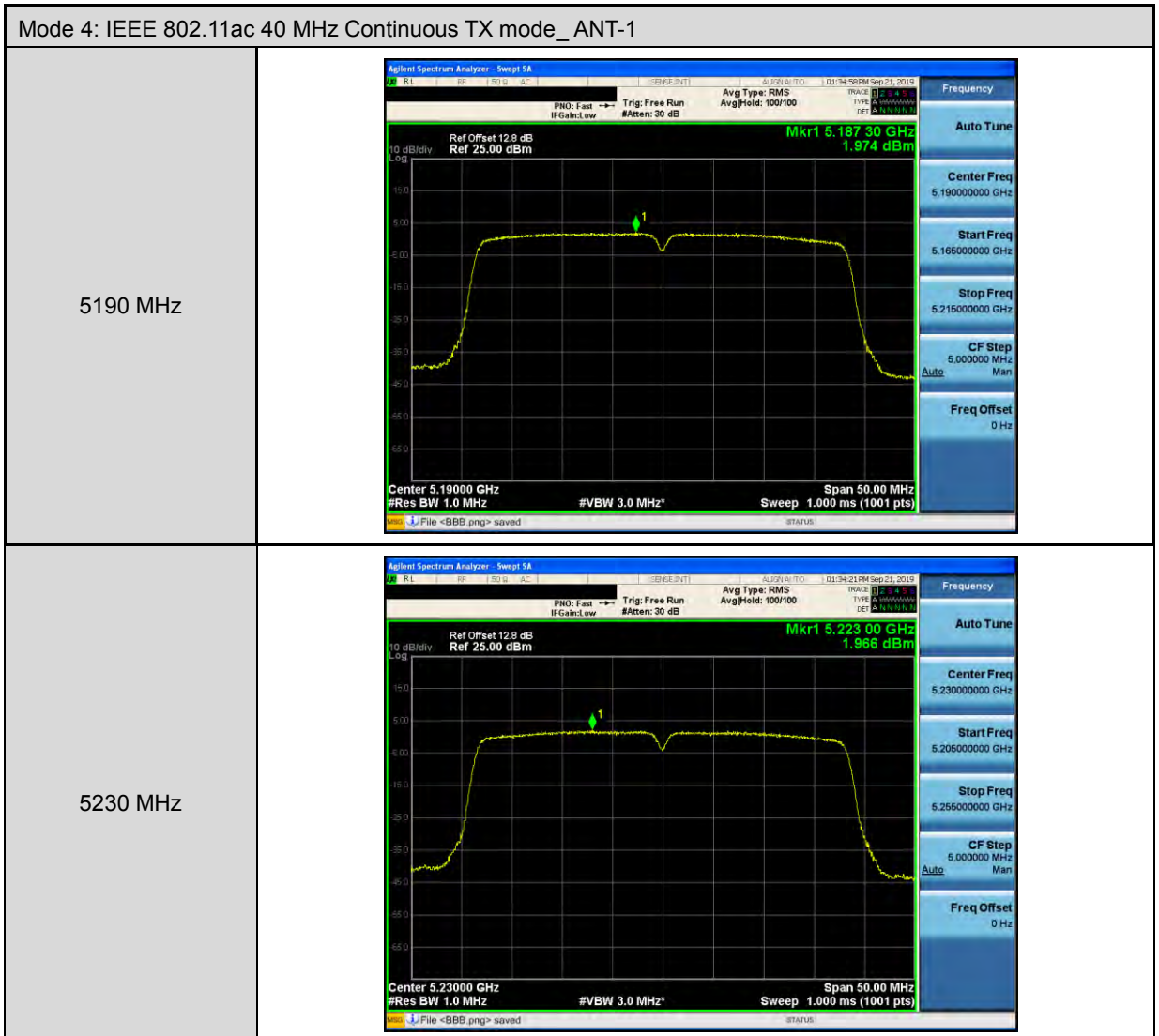


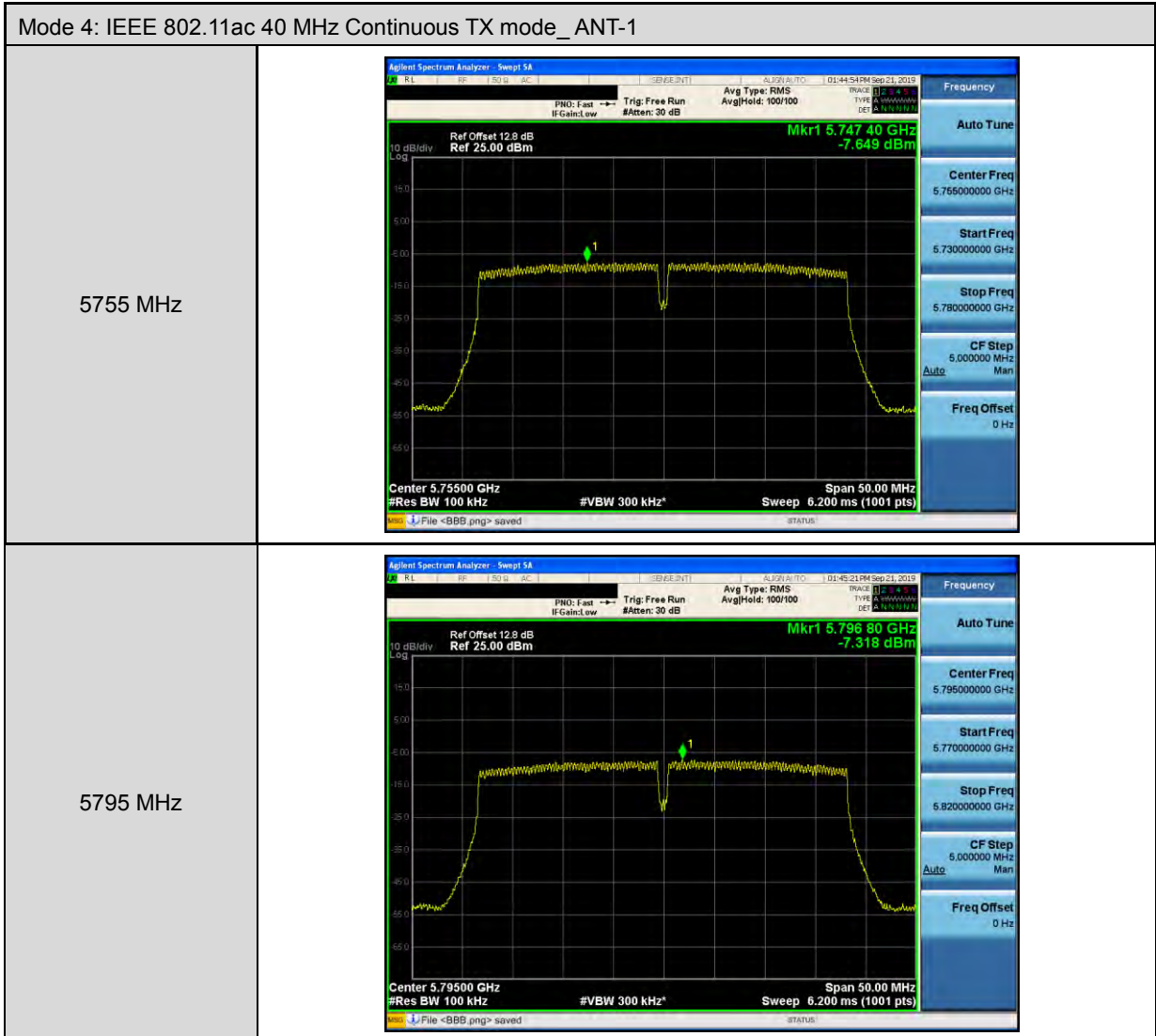
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

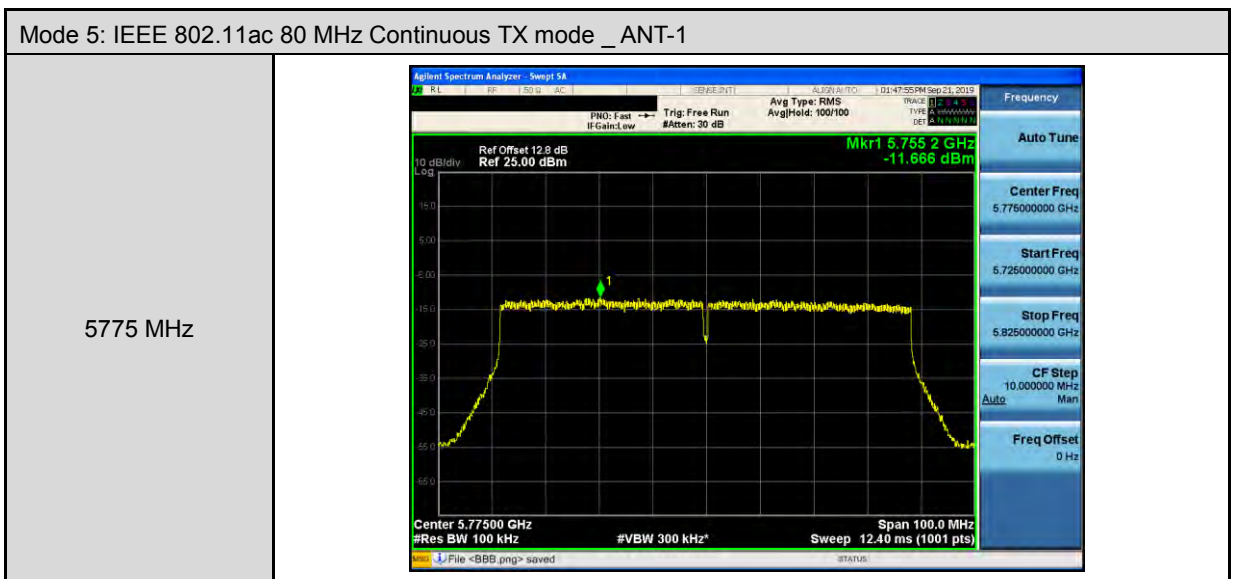
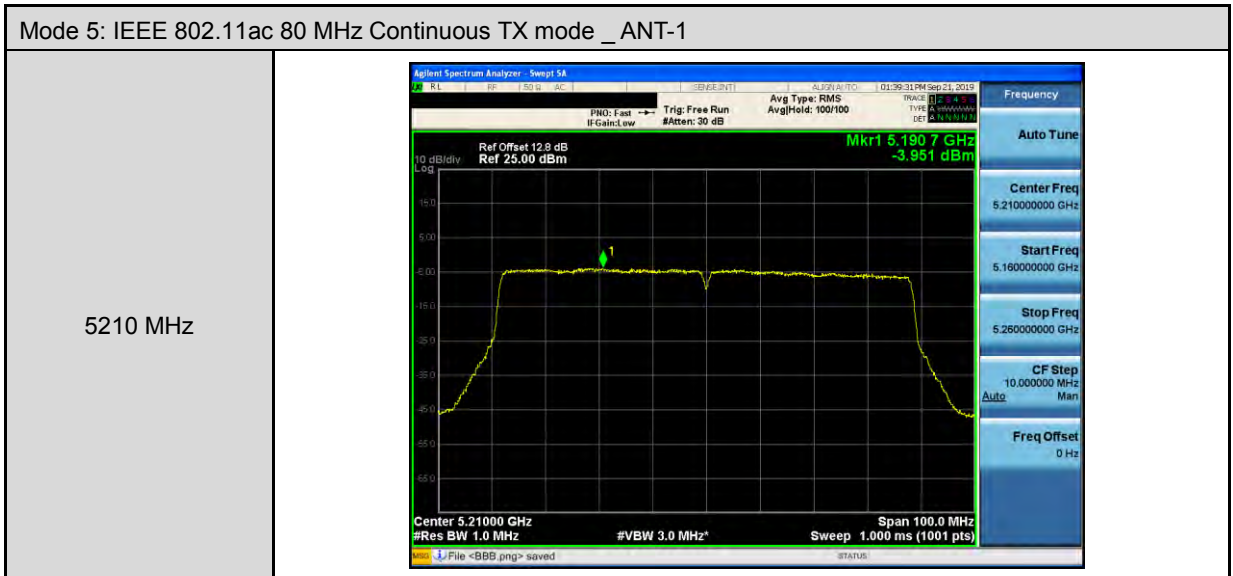


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-1									
5745 MHz	<p>Agilent Spectrum Analyzer: Sweep SA PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS IF Gain: Low #Atten: 30 dB Avg Hold: 100/100 Mkr1 5.743 65 GHz -4.220 dBm Ref Offset 12.8 dB Ref 25.00 dBm 10 dB/div Log Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts) File &lt;BBB.png&gt; saved</p> <table border="1"><thead><tr><th>Frequency</th></tr></thead><tbody><tr><td>Auto Tune</td></tr><tr><td>Center Freq 5.745000000 GHz</td></tr><tr><td>Start Freq 5.730000000 GHz</td></tr><tr><td>Stop Freq 5.760000000 GHz</td></tr><tr><td>CF Step 3.000000 MHz</td></tr><tr><td>Auto Man</td></tr><tr><td>Freq Offset 0 Hz</td></tr></tbody></table>	Frequency	Auto Tune	Center Freq 5.745000000 GHz	Start Freq 5.730000000 GHz	Stop Freq 5.760000000 GHz	CF Step 3.000000 MHz	Auto Man	Freq Offset 0 Hz
Frequency									
Auto Tune									
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Start Freq 5.730000000 GHz									
Stop Freq 5.760000000 GHz									
CF Step 3.000000 MHz									
Auto Man									
Freq Offset 0 Hz									
5785 MHz	<p>Agilent Spectrum Analyzer: Sweep SA PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS IF Gain: Low #Atten: 30 dB Avg Hold: 100/100 Mkr1 5.785 57 GHz -4.956 dBm Ref Offset 12.8 dB Ref 25.00 dBm 10 dB/div Log Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts) File &lt;BBB.png&gt; saved</p> <table border="1"><thead><tr><th>Frequency</th></tr></thead><tbody><tr><td>Auto Tune</td></tr><tr><td>Center Freq 5.785000000 GHz</td></tr><tr><td>Start Freq 5.770000000 GHz</td></tr><tr><td>Stop Freq 5.800000000 GHz</td></tr><tr><td>CF Step 3.000000 MHz</td></tr><tr><td>Auto Man</td></tr><tr><td>Freq Offset 0 Hz</td></tr></tbody></table>	Frequency	Auto Tune	Center Freq 5.785000000 GHz	Start Freq 5.770000000 GHz	Stop Freq 5.800000000 GHz	CF Step 3.000000 MHz	Auto Man	Freq Offset 0 Hz
Frequency									
Auto Tune									
Center Freq 5.785000000 GHz									
Start Freq 5.770000000 GHz									
Stop Freq 5.800000000 GHz									
CF Step 3.000000 MHz									
Auto Man									
Freq Offset 0 Hz									
5825 MHz	<p>Agilent Spectrum Analyzer: Sweep SA PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS IF Gain: Low #Atten: 30 dB Avg Hold: 100/100 Mkr1 5.823 65 GHz -4.238 dBm Ref Offset 12.8 dB Ref 25.00 dBm 10 dB/div Log Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts) File &lt;BBB.png&gt; saved</p> <table border="1"><thead><tr><th>Frequency</th></tr></thead><tbody><tr><td>Auto Tune</td></tr><tr><td>Center Freq 5.825000000 GHz</td></tr><tr><td>Start Freq 5.810000000 GHz</td></tr><tr><td>Stop Freq 5.840000000 GHz</td></tr><tr><td>CF Step 3.000000 MHz</td></tr><tr><td>Auto Man</td></tr><tr><td>Freq Offset 0 Hz</td></tr></tbody></table>	Frequency	Auto Tune	Center Freq 5.825000000 GHz	Start Freq 5.810000000 GHz	Stop Freq 5.840000000 GHz	CF Step 3.000000 MHz	Auto Man	Freq Offset 0 Hz
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Auto Tune									
Center Freq 5.825000000 GHz									
Start Freq 5.810000000 GHz									
Stop Freq 5.840000000 GHz									
CF Step 3.000000 MHz									
Auto Man									
Freq Offset 0 Hz									









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