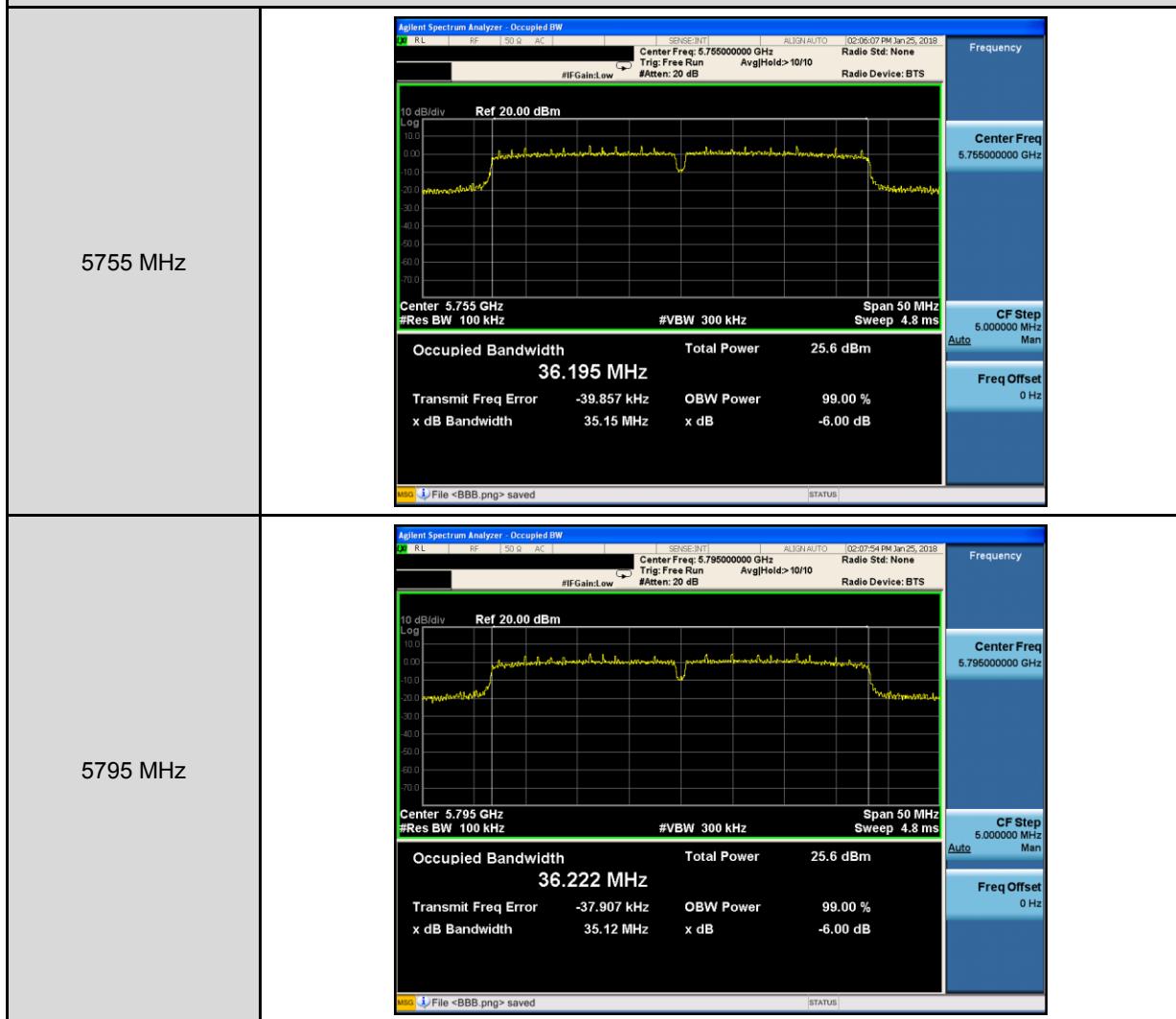
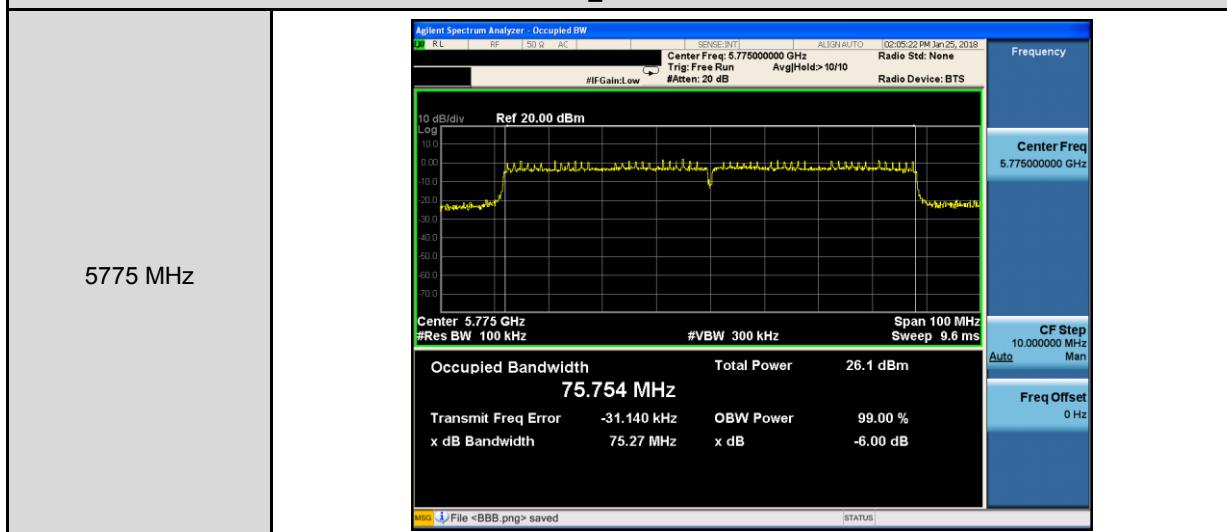


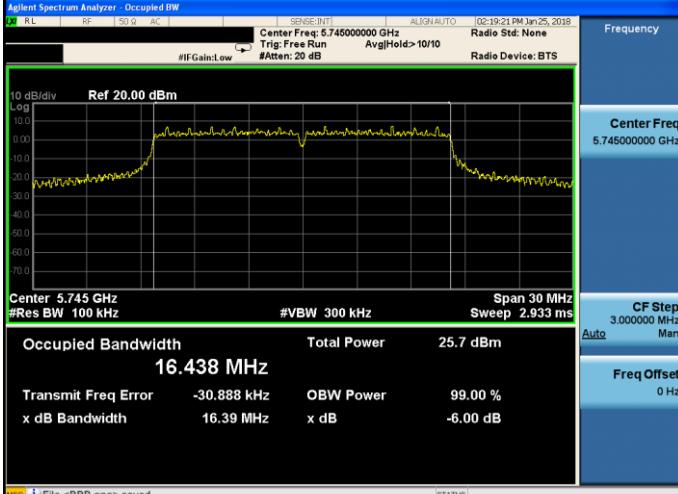
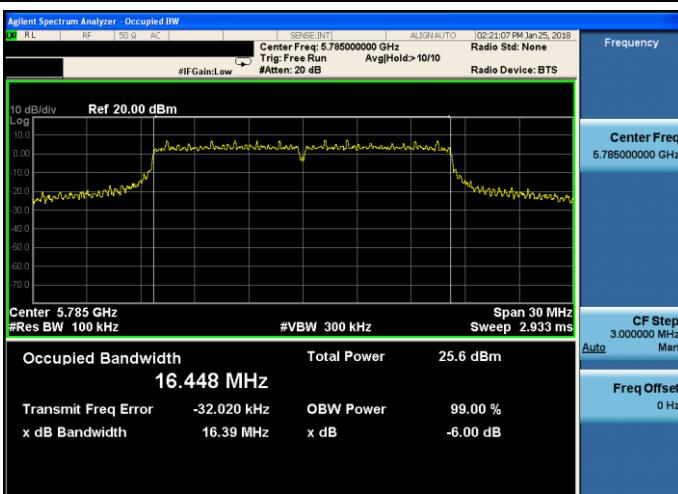
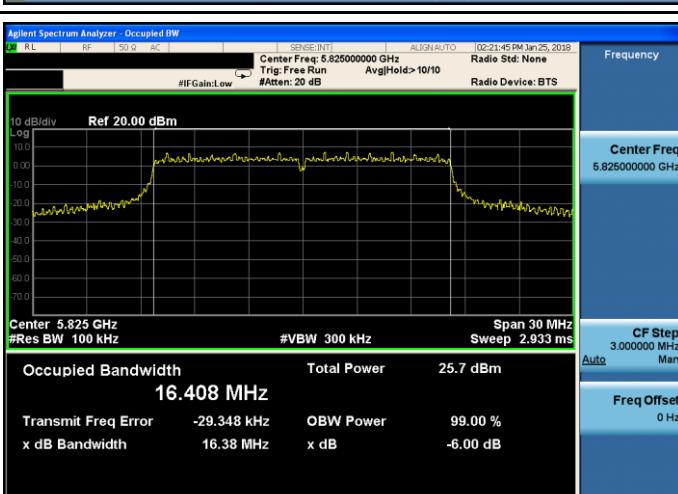
Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ANT-0



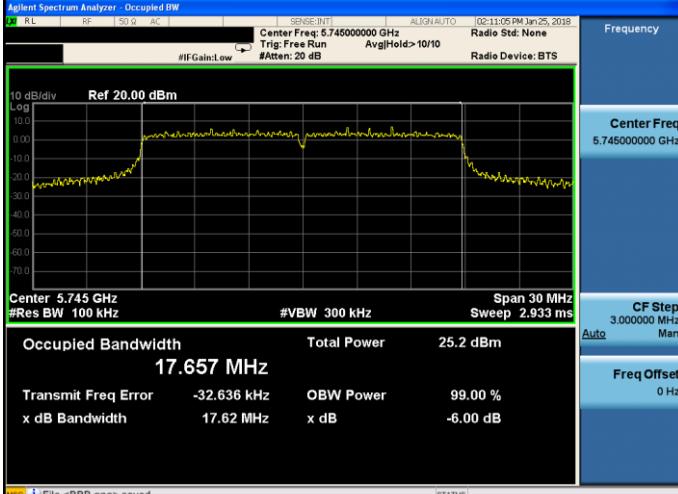
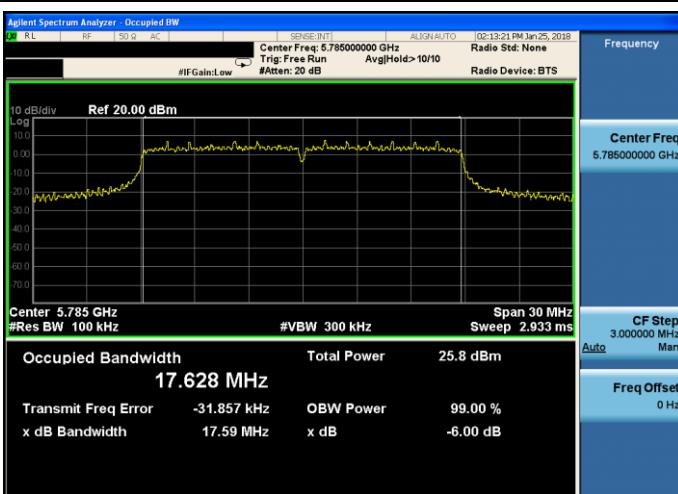
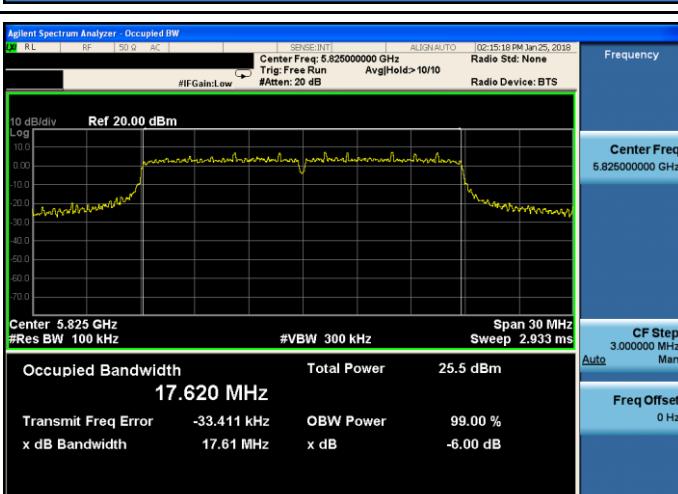
Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ANT-0



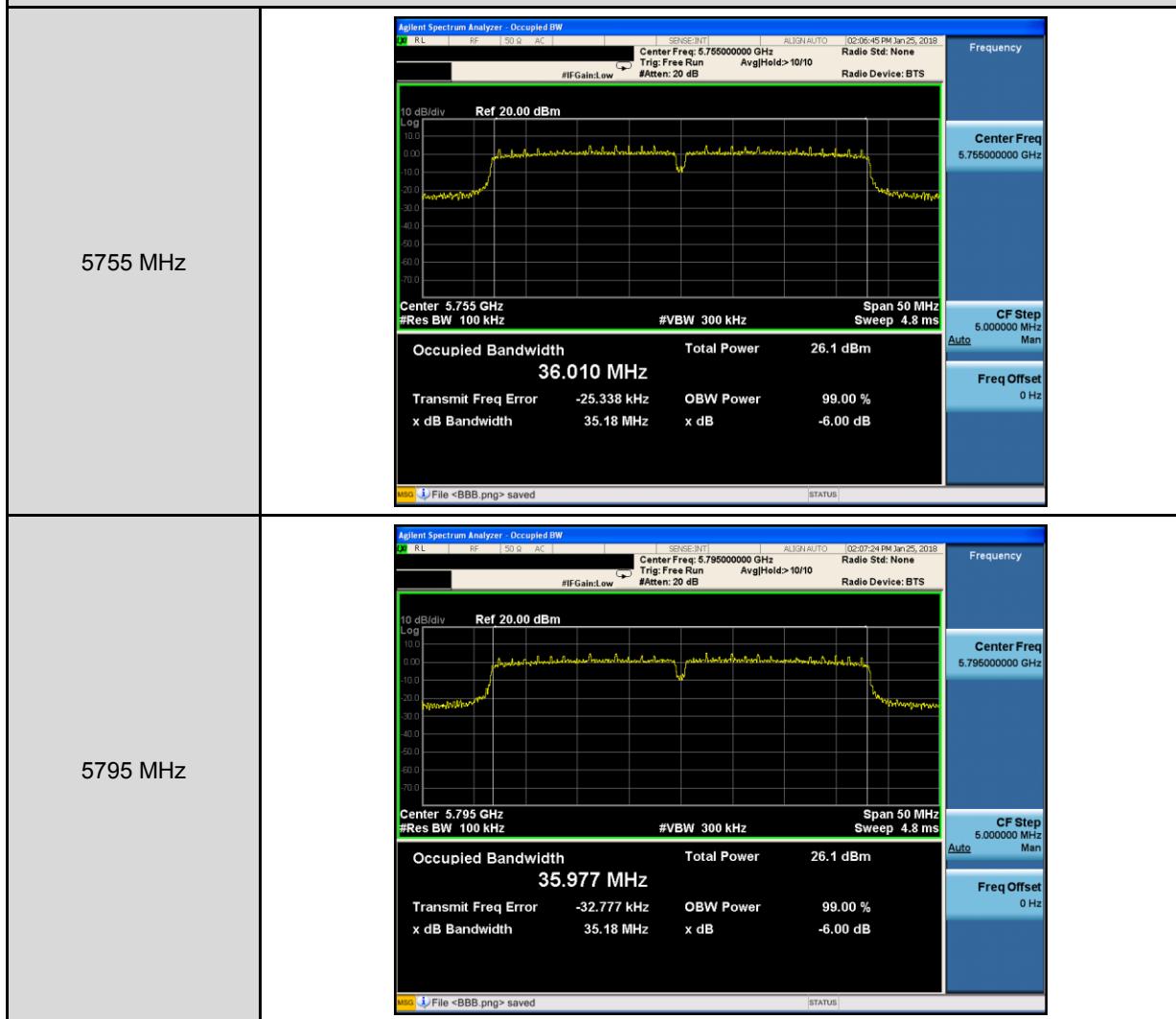
Mode 2: IEEE 802.11a Continuous TX mode_ANT-1

5745 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz SENSE:INT ALIGN:AUTO 02:19:21 PM Jun 25, 2018 #IFGain:Low Trig: Free Run Avg Hold>10/10 Radio Std: None Radio Device: BTS</p> <p>Frequency</p> <p>Center Freq 5.745000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Auto</p> <p>Freq Offset 0 Hz</p> <p>10 dB/div Ref 20.00 dBm Log</p> <p>10.00 0.00 -10.00 -20.00 -30.00 -40.00 -50.00 -60.00 -70.00</p> <p>Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 16.438 MHz Total Power 25.7 dBm</p> <p>Transmit Freq Error -30.888 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 16.39 MHz x dB -6.00 dB</p> <p>File <BBB.png> saved STATUS</p>
5785 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz SENSE:INT ALIGN:AUTO 02:21:07 PM Jun 25, 2018 #IFGain:Low Trig: Free Run Avg Hold>10/10 Radio Std: None Radio Device: BTS</p> <p>Frequency</p> <p>Center Freq 5.785000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Auto</p> <p>Freq Offset 0 Hz</p> <p>10 dB/div Ref 20.00 dBm Log</p> <p>10.00 0.00 -10.00 -20.00 -30.00 -40.00 -50.00 -60.00 -70.00</p> <p>Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 16.448 MHz Total Power 25.6 dBm</p> <p>Transmit Freq Error -32.020 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 16.39 MHz x dB -6.00 dB</p> <p>File <BBB.png> saved STATUS</p>
5825 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.825000000 GHz SENSE:INT ALIGN:AUTO 02:21:45 PM Jun 25, 2018 #IFGain:Low Trig: Free Run Avg Hold>10/10 Radio Std: None Radio Device: BTS</p> <p>Frequency</p> <p>Center Freq 5.825000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Auto</p> <p>Freq Offset 0 Hz</p> <p>10 dB/div Ref 20.00 dBm Log</p> <p>10.00 0.00 -10.00 -20.00 -30.00 -40.00 -50.00 -60.00 -70.00</p> <p>Center 5.825 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 16.408 MHz Total Power 25.7 dBm</p> <p>Transmit Freq Error -29.348 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 16.38 MHz x dB -6.00 dB</p> <p>File <BBB.png> saved STATUS</p>

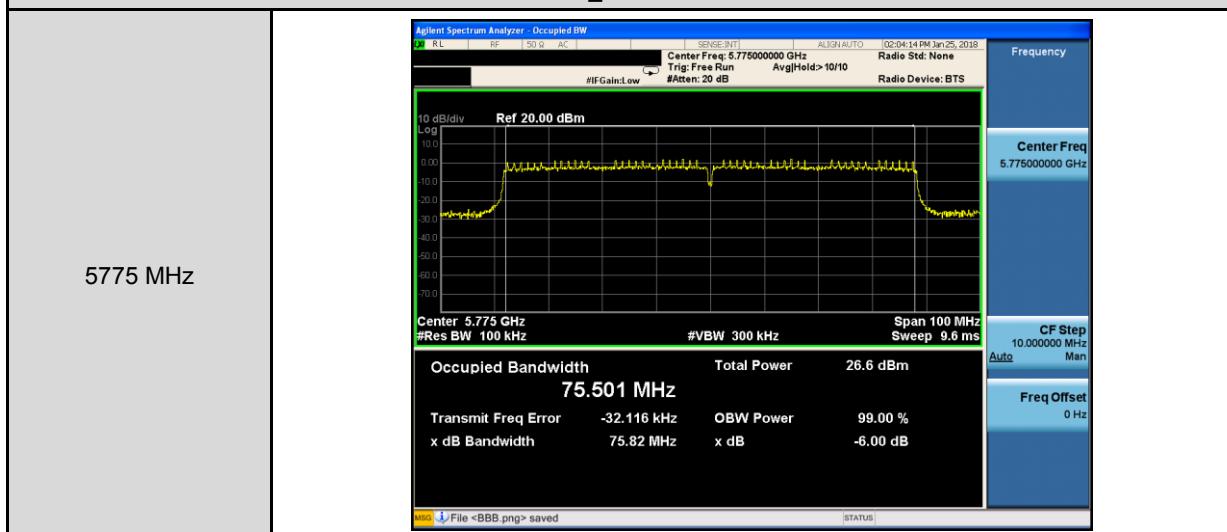
Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ANT-1

5745 MHz	 <p>Occupied Bandwidth 17.657 MHz Transmit Freq Error -32.636 kHz x dB Bandwidth 17.62 MHz</p>
5785 MHz	 <p>Occupied Bandwidth 17.628 MHz Transmit Freq Error -31.857 kHz x dB Bandwidth 17.59 MHz</p>
5825 MHz	 <p>Occupied Bandwidth 17.620 MHz Transmit Freq Error -33.411 kHz x dB Bandwidth 17.61 MHz</p>

Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ANT-1

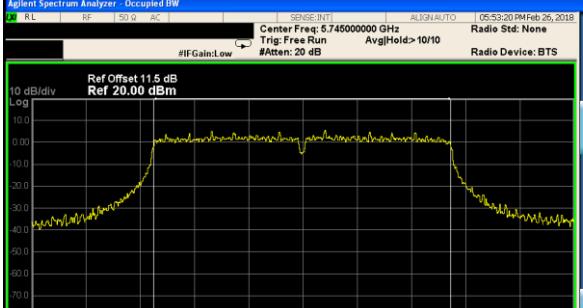
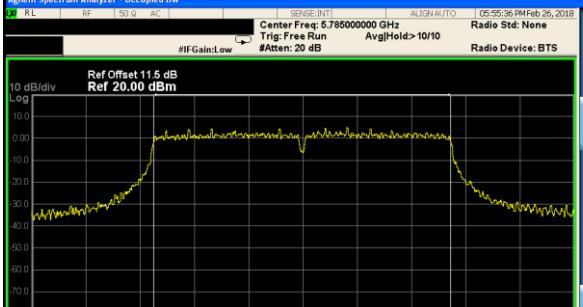
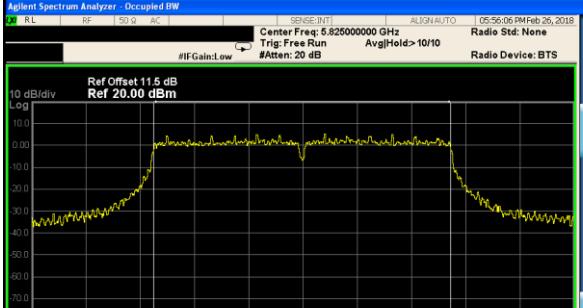


Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ANT-1

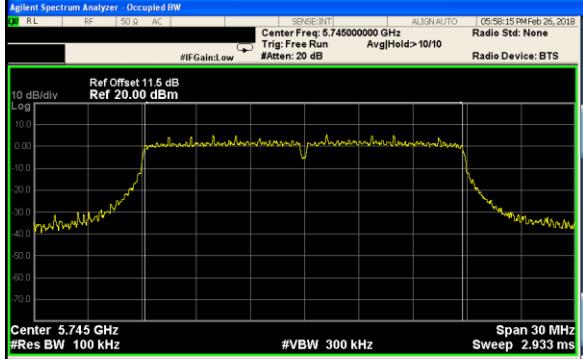
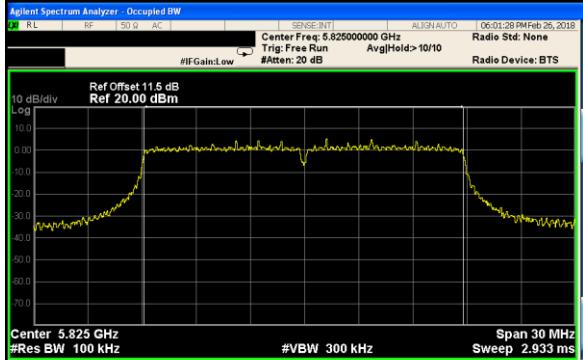


Beamforming on

Mode 2: IEEE 802.11a Continuous TX mode_ANT-0

<p>5745 MHz</p>	<p>Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz SENSE:INT ALIGN:AUTO 05:53:20 PM Feb 26, 2018 #IFGain:Low Trig: Free Run Avg Hold>10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11.5 dB Ref 20.00 dBm</p> <p>10 dB/div Log</p> <p>Span 30 MHz Sweep 2.933 ms</p> <p>Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz</p> <p>Occupied Bandwidth 16.360 MHz Total Power 23.6 dBm</p> <p>Transmit Freq Error -38.627 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 16.38 MHz x dB -6.00 dB</p> <p>MSG STATUS</p>  <div style="background-color: #cccccc; border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Frequency</p> <p>Center Freq 5.745000000 GHz</p> <p>CF Step 3.000000 MHz Man</p> <p>Freq Offset 0 Hz</p> </div>
<p>5785 MHz</p>	<p>Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz SENSE:INT ALIGN:AUTO 05:55:36 PM Feb 26, 2018 #IFGain:Low Trig: Free Run Avg Hold>10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11.5 dB Ref 20.00 dBm</p> <p>10 dB/div Log</p> <p>Span 30 MHz Sweep 2.933 ms</p> <p>Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz</p> <p>Occupied Bandwidth 16.370 MHz Total Power 23.3 dBm</p> <p>Transmit Freq Error -33.551 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 16.39 MHz x dB -6.00 dB</p> <p>MSG STATUS</p>  <div style="background-color: #cccccc; border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Frequency</p> <p>Center Freq 5.785000000 GHz</p> <p>CF Step 3.000000 MHz Man</p> <p>Freq Offset 0 Hz</p> </div>
<p>5825 MHz</p>	<p>Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.825000000 GHz SENSE:INT ALIGN:AUTO 05:56:06 PM Feb 26, 2018 #IFGain:Low Trig: Free Run Avg Hold>10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11.5 dB Ref 20.00 dBm</p> <p>10 dB/div Log</p> <p>Span 30 MHz Sweep 2.933 ms</p> <p>Center 5.825 GHz #Res BW 100 kHz #VBW 300 kHz</p> <p>Occupied Bandwidth 16.370 MHz Total Power 23.4 dBm</p> <p>Transmit Freq Error -33.217 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 16.39 MHz x dB -6.00 dB</p> <p>MSG STATUS</p>  <div style="background-color: #cccccc; border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Frequency</p> <p>Center Freq 5.825000000 GHz</p> <p>CF Step 3.000000 MHz Man</p> <p>Freq Offset 0 Hz</p> </div>

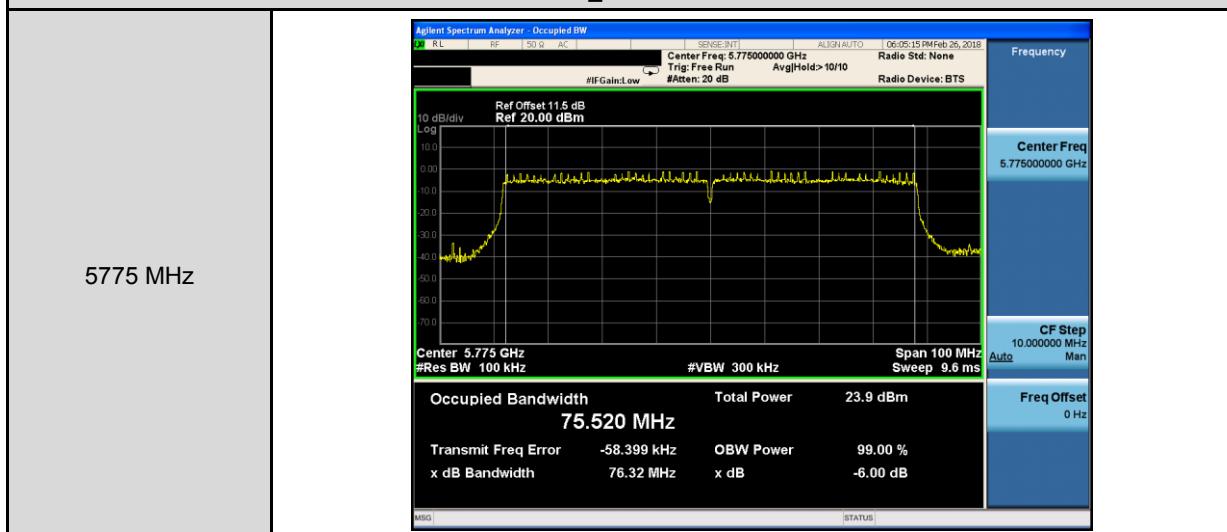
Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ANT-0

5745 MHz	<p>Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz SENSE:INT ALIGN:AUTO 05:58:15 PM Feb 26, 2018 #IFGain:Low Trig: Free Run AvgHold:>10/10 Radio Std: None #Atten: 20 dB Radio Device: BTS</p>  <p>Frequency Center Freq 5.745000000 GHz CF Step 3.000000 MHz Auto Man Freq Offset 0 Hz</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>23.5 dBm</td> </tr> <tr> <td>17.570 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error -37.832 kHz</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth 17.60 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> </table>	Occupied Bandwidth	Total Power	23.5 dBm	17.570 MHz			Transmit Freq Error -37.832 kHz	OBW Power	99.00 %	x dB Bandwidth 17.60 MHz	x dB	-6.00 dB
Occupied Bandwidth	Total Power	23.5 dBm											
17.570 MHz													
Transmit Freq Error -37.832 kHz	OBW Power	99.00 %											
x dB Bandwidth 17.60 MHz	x dB	-6.00 dB											
5785 MHz	<p>Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz SENSE:INT ALIGN:AUTO 05:58:48 PM Feb 26, 2018 #IFGain:Low Trig: Free Run AvgHold:>10/10 Radio Std: None #Atten: 20 dB Radio Device: BTS</p>  <p>Frequency Center Freq 5.785000000 GHz CF Step 3.000000 MHz Auto Man Freq Offset 0 Hz</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>23.3 dBm</td> </tr> <tr> <td>17.585 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error -28.389 kHz</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth 17.63 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> </table>	Occupied Bandwidth	Total Power	23.3 dBm	17.585 MHz			Transmit Freq Error -28.389 kHz	OBW Power	99.00 %	x dB Bandwidth 17.63 MHz	x dB	-6.00 dB
Occupied Bandwidth	Total Power	23.3 dBm											
17.585 MHz													
Transmit Freq Error -28.389 kHz	OBW Power	99.00 %											
x dB Bandwidth 17.63 MHz	x dB	-6.00 dB											
5825 MHz	<p>Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.825000000 GHz SENSE:INT ALIGN:AUTO 06:01:39 PM Feb 26, 2018 #IFGain:Low Trig: Free Run AvgHold:>10/10 Radio Std: None #Atten: 20 dB Radio Device: BTS</p>  <p>Frequency Center Freq 5.825000000 GHz CF Step 3.000000 MHz Auto Man Freq Offset 0 Hz</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>23.2 dBm</td> </tr> <tr> <td>17.593 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error -31.763 kHz</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth 17.61 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> </table>	Occupied Bandwidth	Total Power	23.2 dBm	17.593 MHz			Transmit Freq Error -31.763 kHz	OBW Power	99.00 %	x dB Bandwidth 17.61 MHz	x dB	-6.00 dB
Occupied Bandwidth	Total Power	23.2 dBm											
17.593 MHz													
Transmit Freq Error -31.763 kHz	OBW Power	99.00 %											
x dB Bandwidth 17.61 MHz	x dB	-6.00 dB											

Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ANT-0



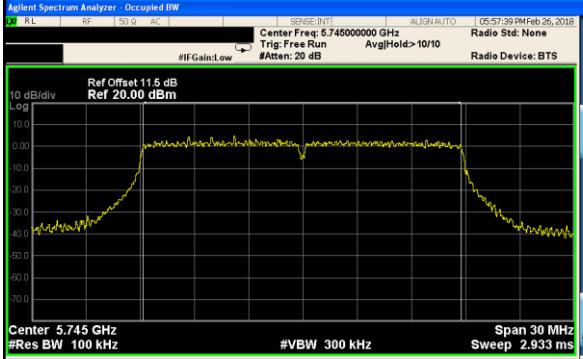
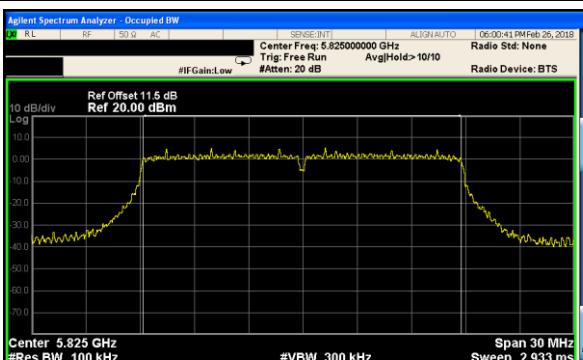
Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ANT-0



Mode 2: IEEE 802.11a Continuous TX mode_ANT-1

5745 MHz	<p>Spectrum Analysis Results at 5745 MHz:</p> <p>Center Freq: 5.745000000 GHz CF Step: 3.000000 MHz Freq Offset: 0 Hz</p> <p>Occupied Bandwidth: 16.367 MHz Total Power: 23.9 dBm Transmit Freq Error: -39.021 kHz OBW Power: 99.00 % x dB Bandwidth: 16.43 MHz x dB: -6.00 dB</p>
5785 MHz	<p>Spectrum Analysis Results at 5785 MHz:</p> <p>Center Freq: 5.785000000 GHz CF Step: 3.000000 MHz Freq Offset: 0 Hz</p> <p>Occupied Bandwidth: 16.359 MHz Total Power: 23.6 dBm Transmit Freq Error: -40.220 kHz OBW Power: 99.00 % x dB Bandwidth: 16.40 MHz x dB: -6.00 dB</p>
5825 MHz	<p>Spectrum Analysis Results at 5825 MHz:</p> <p>Center Freq: 5.825000000 GHz CF Step: 3.000000 MHz Freq Offset: 0 Hz</p> <p>Occupied Bandwidth: 16.358 MHz Total Power: 23.9 dBm Transmit Freq Error: -37.567 kHz OBW Power: 99.00 % x dB Bandwidth: 16.40 MHz x dB: -6.00 dB</p>

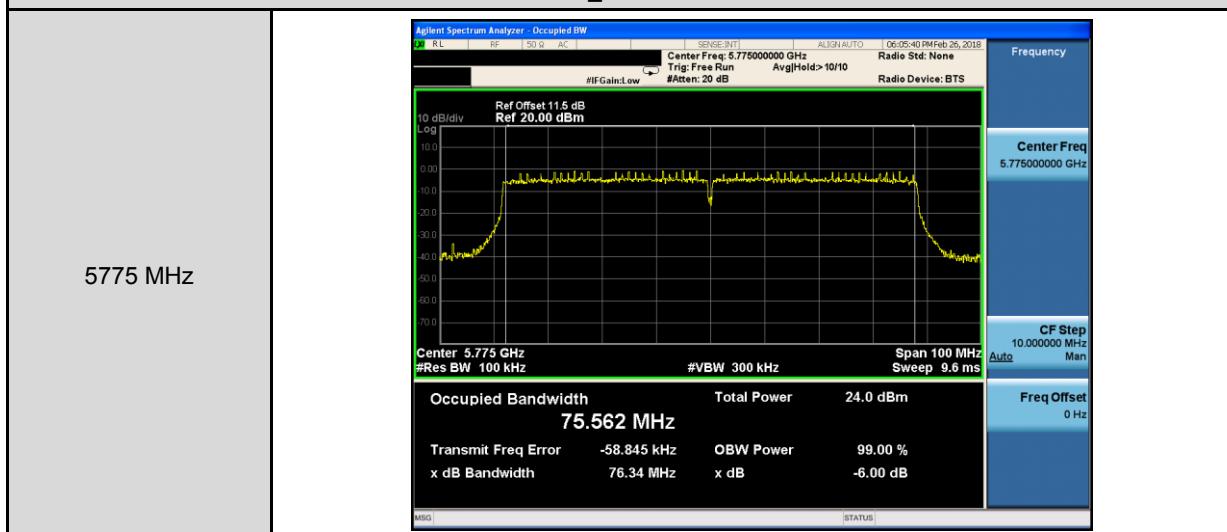
Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ANT-1

5745 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p>  <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Center Freq</td> <td style="padding: 2px;">5.74500000 GHz</td> </tr> <tr> <td style="padding: 2px;">CF Step</td> <td style="padding: 2px;">3.000000 MHz</td> </tr> <tr> <td style="padding: 2px;">Freq Offset</td> <td style="padding: 2px;">0 Hz</td> </tr> </table> <p>Occupied Bandwidth Total Power 23.4 dBm 17.591 MHz</p> <p>Transmit Freq Error -36.470 kHz OBW Power 99.00 % x dB Bandwidth 17.64 MHz x dB -6.00 dB</p>	Center Freq	5.74500000 GHz	CF Step	3.000000 MHz	Freq Offset	0 Hz
Center Freq	5.74500000 GHz						
CF Step	3.000000 MHz						
Freq Offset	0 Hz						
5785 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p>  <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Center Freq</td> <td style="padding: 2px;">5.78500000 GHz</td> </tr> <tr> <td style="padding: 2px;">CF Step</td> <td style="padding: 2px;">3.000000 MHz</td> </tr> <tr> <td style="padding: 2px;">Freq Offset</td> <td style="padding: 2px;">0 Hz</td> </tr> </table> <p>Occupied Bandwidth Total Power 23.7 dBm 17.580 MHz</p> <p>Transmit Freq Error -34.805 kHz OBW Power 99.00 % x dB Bandwidth 17.62 MHz x dB -6.00 dB</p>	Center Freq	5.78500000 GHz	CF Step	3.000000 MHz	Freq Offset	0 Hz
Center Freq	5.78500000 GHz						
CF Step	3.000000 MHz						
Freq Offset	0 Hz						
5825 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p>  <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Center Freq</td> <td style="padding: 2px;">5.82500000 GHz</td> </tr> <tr> <td style="padding: 2px;">CF Step</td> <td style="padding: 2px;">3.000000 MHz</td> </tr> <tr> <td style="padding: 2px;">Freq Offset</td> <td style="padding: 2px;">0 Hz</td> </tr> </table> <p>Occupied Bandwidth Total Power 23.6 dBm 17.579 MHz</p> <p>Transmit Freq Error -36.285 kHz OBW Power 99.00 % x dB Bandwidth 17.63 MHz x dB -6.00 dB</p>	Center Freq	5.82500000 GHz	CF Step	3.000000 MHz	Freq Offset	0 Hz
Center Freq	5.82500000 GHz						
CF Step	3.000000 MHz						
Freq Offset	0 Hz						

Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ANT-1



Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ANT-1



5.6. 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	9.857	0.105	9.962	< 15.98	
5200	9.592	0.105	9.697		
5240	9.565	0.105	9.670		
Frequency (MHz)	ANT-1				
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)	
5180	10.432	0.105	10.537	< 15.98	
5200	10.571	0.105	10.676		
5240	9.075	0.105	9.180		
Frequency (MHz)	ANT-0+1				
	Calculated (dBm/MHz)			Limit (dBm/MHz)	
5180	13.269			< 15.98	
5200	13.224				
5240	12.442				

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

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode				
Frequency (MHz)	ANT-0				
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)	
5745	0.50	0.105	7.59	< 28.84	
5785	-0.33	0.105	6.77		
5825	0.12	0.105	7.21		
Frequency (MHz)	ANT-1				
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)	
5745	0.31	0.105	7.41	< 28.84	
5785	0.68	0.105	7.77		
5825	0.77	0.105	7.86		
Frequency (MHz)	ANT-0+1				
	Calculated (dBm/500KHz)			Limit (dBm/500KHz)	
5745	10.51			< 28.84	
5785	10.31				
5825	10.56				

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

Conversion ratio = $10^{\ast}\text{Log}(500\text{k}/100\text{k})$

Test Mode	Mode 3: IEEE 802.11ac 20MHz Continuous TX mode				
Frequency (MHz)	ANT-0				
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)	
5180	8.694	0.026	8.720	< 15.98	
5200	8.673	0.026	8.699		
5240	9.167	0.026	9.193		
Frequency (MHz)	ANT-1				
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)	
5180	10.109	0.026	10.135	< 15.98	
5200	9.872	0.026	9.898		
5240	8.424	0.026	8.450		
Frequency (MHz)	ANT-0+1				
	Calculated (dBm/MHz)			Limit (dBm/MHz)	
5180	12.495			< 15.98	
5200	12.350				
5240	11.848				

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

Test Mode	Mode 3: IEEE 802.11ac 20MHz Continuous TX mode				
Frequency (MHz)	ANT-0				
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)	
5745	-0.24	0.026	6.78	< 28.84	
5785	-0.34	0.026	6.68		
5825	-0.71	0.026	6.30		
Frequency (MHz)	ANT-1				
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)	
5745	-0.13	0.026	6.89	< 28.84	
5785	0.13	0.026	7.15		
5825	0.41	0.026	7.42		
Frequency (MHz)	ANT-0+1				
	Calculated (dBm/500KHz)			Limit (dBm/500KHz)	
5745	9.84			< 28.84	
5785	9.93				
5825	9.91				

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

Conversion ratio = $10^{\log(500k/100k)}$

Test Mode	Mode 4: IEEE 802.11ac 40MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	4.875	0.071	4.946	< 15.98
5230	6.350	0.071	6.421	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	5.049	0.071	5.120	< 15.98
5230	5.951	0.071	6.022	
Frequency (MHz)	ANT-0+1			
	Calculated (dBm/MHz)			Limit (dBm/MHz)
5190	8.044			< 15.98
5230	9.236			

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

Test Mode	Mode 4: IEEE 802.11ac 40MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5755	-2.76	0.071	4.30	< 28.84
5795	-2.72	0.071	4.34	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5755	-2.22	0.071	4.84	< 28.84
5795	-2.12	0.071	4.94	
Frequency (MHz)	ANT-0+1			
	Calculated (dBm/500KHz)			Limit (dBm/500KHz)
5755	7.59			< 28.84
5795	7.66			

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

Conversion ratio = $10^{\ast}\text{Log}(500\text{k}/100\text{k})$

Test Mode	Mode 5: IEEE 802.11ac 80MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-0.538	0.185	-0.353	< 15.98
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-0.392	0.185	-0.207	< 15.98
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5210	2.731			< 15.98

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

Test Mode	Mode 5: IEEE 802.11ac 80MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5775	-5.82	0.185	1.36	< 28.84
Frequency (MHz)	ANT-1			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5775	-6.03	0.185	1.15	< 28.84
Frequency (MHz)	ANT-0+1			
	Calculated (dBm/500KHz)			Limit (dBm/500KHz)
5775	4.27			< 28.84

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

Conversion ratio = $10 \cdot \text{Log}(500k/100k)$

Beamforming on

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	6.083	0.105	6.188	< 15.98	
5200	5.991	0.105	6.096		
5240	5.759	0.105	5.864		
Frequency (MHz)	ANT-1				
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)	
5180	6.043	0.105	6.148	< 15.98	
5200	6.131	0.105	6.236		
5240	6.207	0.105	6.312		
Frequency (MHz)	ANT-0+1				
	Calculated (dBm/MHz)			Limit (dBm/MHz)	
5180	9.179			< 15.98	
5200	9.177				
5240	9.104				

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

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode				
Frequency (MHz)	ANT-0				
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)	
5745	-2.90	0.105	4.19	< 28.84	
5785	-3.34	0.105	3.75		
5825	-3.04	0.105	4.06		
Frequency (MHz)	ANT-1				
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)	
5745	-3.11	0.105	3.98	< 28.84	
5785	-3.04	0.105	4.05		
5825	-2.79	0.105	4.31		
Frequency (MHz)	ANT-0+1				
	Calculated (dBm/500KHz)			Limit (dBm/500KHz)	
5745	7.10			< 28.84	
5785	6.92				
5825	7.19				

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

Conversion ratio = $10^{\log(500k/100k)}$

Test Mode	Mode 3: IEEE 802.11ac 20MHz Continuous TX mode				
Frequency (MHz)	ANT-0				
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)	
5180	6.047	0.026	6.073	< 15.98	
5200	5.929	0.026	5.955		
5240	5.500	0.026	5.526		
Frequency (MHz)	ANT-1				
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)	
5180	6.128	0.026	6.154	< 15.98	
5200	6.272	0.026	6.298		
5240	5.495	0.026	5.521		
Frequency (MHz)	ANT-0+1				
	Calculated (dBm/MHz)			Limit (dBm/MHz)	
5180	9.124			< 15.98	
5200	9.140				
5240	8.534				

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

Test Mode	Mode 3: IEEE 802.11ac 20MHz Continuous TX mode				
Frequency (MHz)	ANT-0				
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)	
5745	-4.02	0.026	3.00	< 28.84	
5785	-3.68	0.026	3.34		
5825	-3.42	0.026	3.60		
Frequency (MHz)	ANT-1				
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)	
5745	-4.17	0.026	2.85	< 28.84	
5785	-3.24	0.026	3.78		
5825	-3.28	0.026	3.74		
Frequency (MHz)	ANT-0+1				
	Calculated (dBm/500KHz)			Limit (dBm/500KHz)	
5745	5.94			< 28.84	
5785	6.57				
5825	6.68				

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

Conversion ratio = $10^{\log(500k/100k)}$

Test Mode	Mode 4: IEEE 802.11ac 40MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	1.286	0.071	1.357	< 15.98
5230	2.987	0.071	3.058	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	1.403	0.071	1.474	< 15.98
5230	2.863	0.071	2.934	
Frequency (MHz)	ANT-0+1			
	Calculated (dBm/MHz)			Limit (dBm/MHz)
5190	4.426			< 15.98
5230	6.006			

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

Test Mode	Mode 4: IEEE 802.11ac 40MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5755	-6.07	0.071	0.99	< 28.84
5795	-6.03	0.071	1.03	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5755	-5.81	0.071	1.25	< 28.84
5795	-5.55	0.071	1.51	
Frequency (MHz)	ANT-0+1			
	Calculated (dBm/500KHz)			Limit (dBm/500KHz)
5755	4.14			< 28.84
5795	4.29			

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

Conversion ratio = $10^{\log(500k/100k)}$

Test Mode	Mode 5: IEEE 802.11ac 80MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-3.294	0.185	-3.109	< 15.98
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-3.103	0.185	-2.918	< 15.98
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)		< 15.98	
5210	-0.002		< 15.98	

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

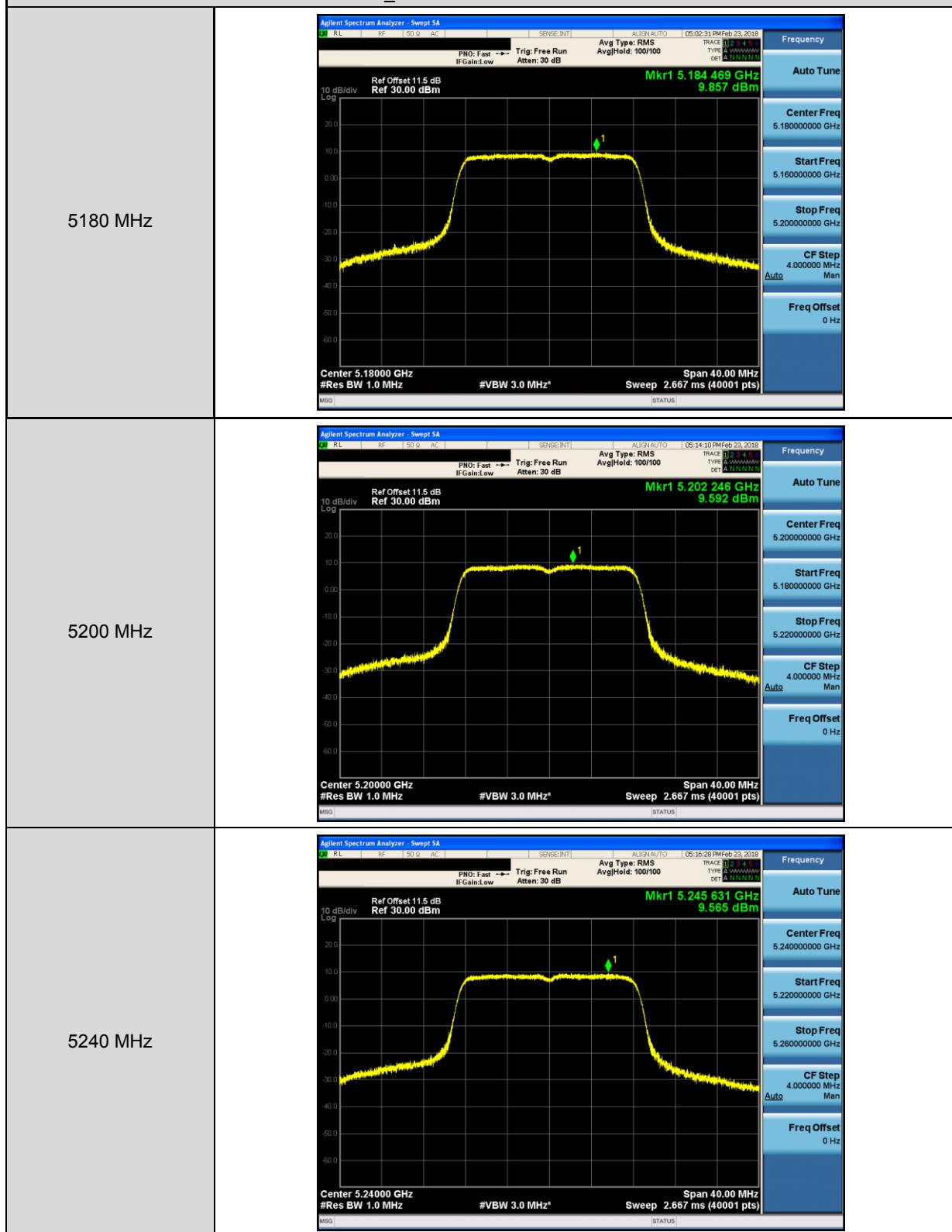
Test Mode	Mode 5: IEEE 802.11ac 80MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5775	-9.37	0.185	-2.20	< 28.84
Frequency (MHz)	ANT-1			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5775	-9.42	0.185	-2.24	< 28.84
Frequency (MHz)	ANT-0+1			
	Calculated (dBm/500KHz)			Limit (dBm/500KHz)
5775	0.79			< 28.84

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

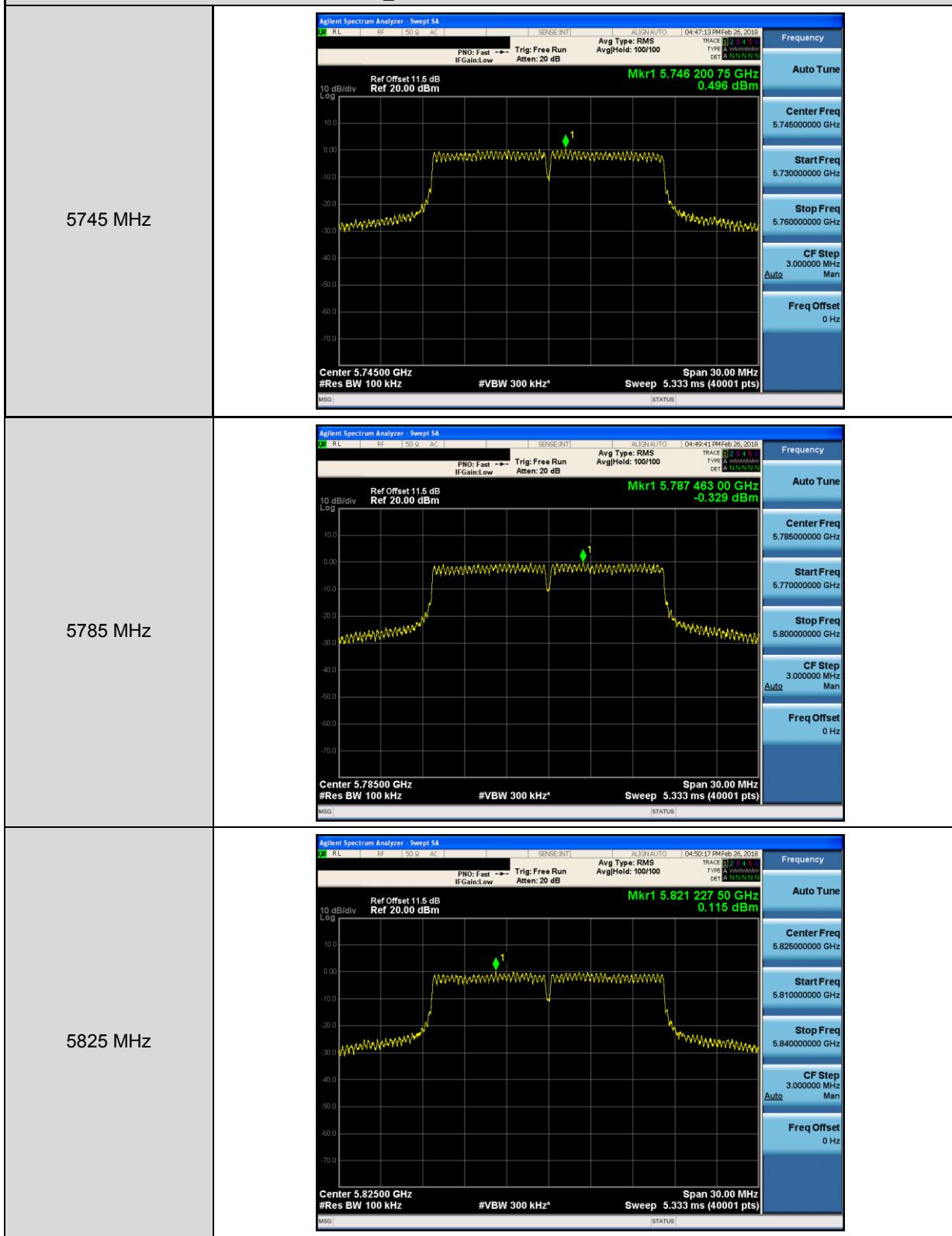
Conversion ratio = $10 \cdot \text{Log}(500k/100k)$

■ Test Graphs

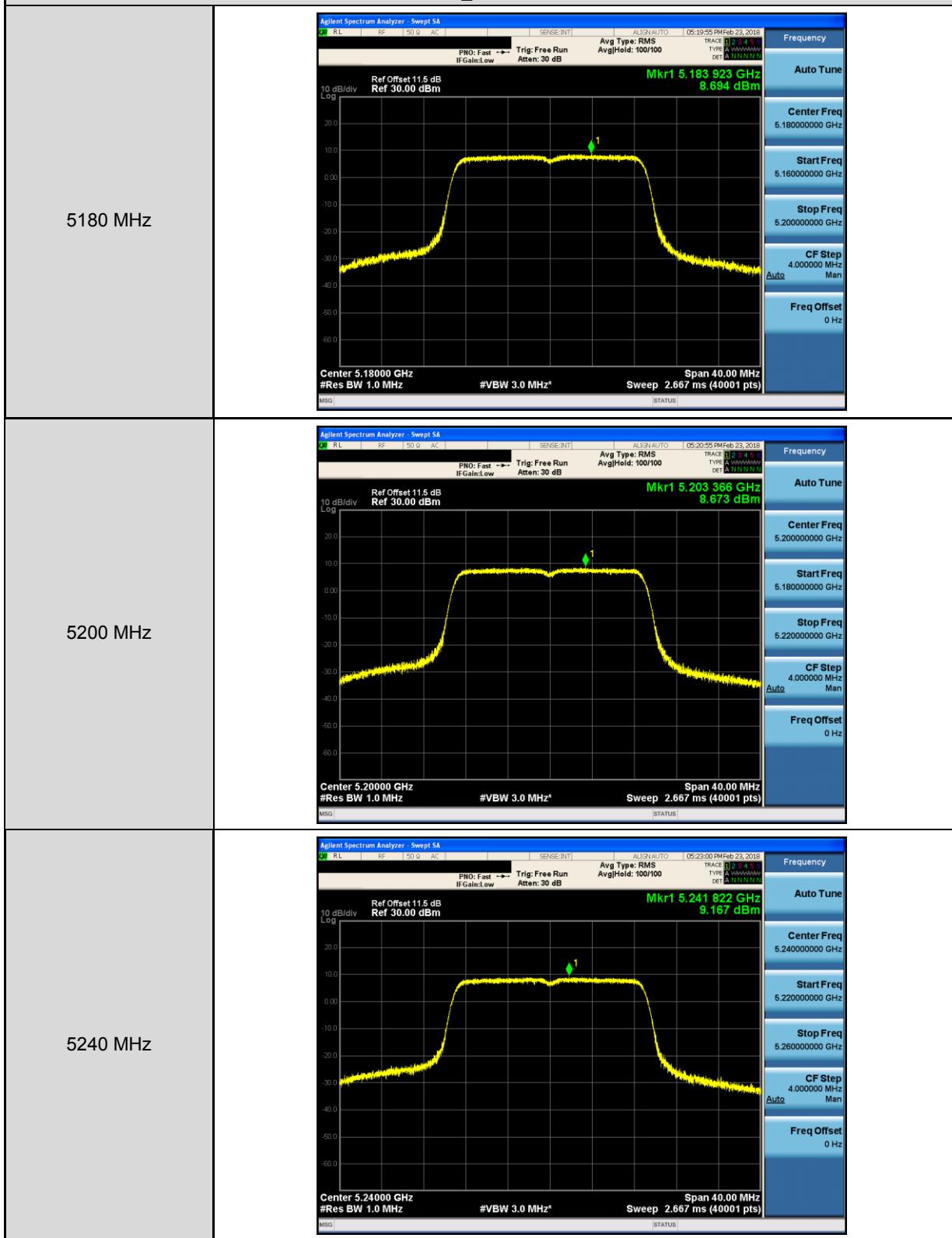
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0



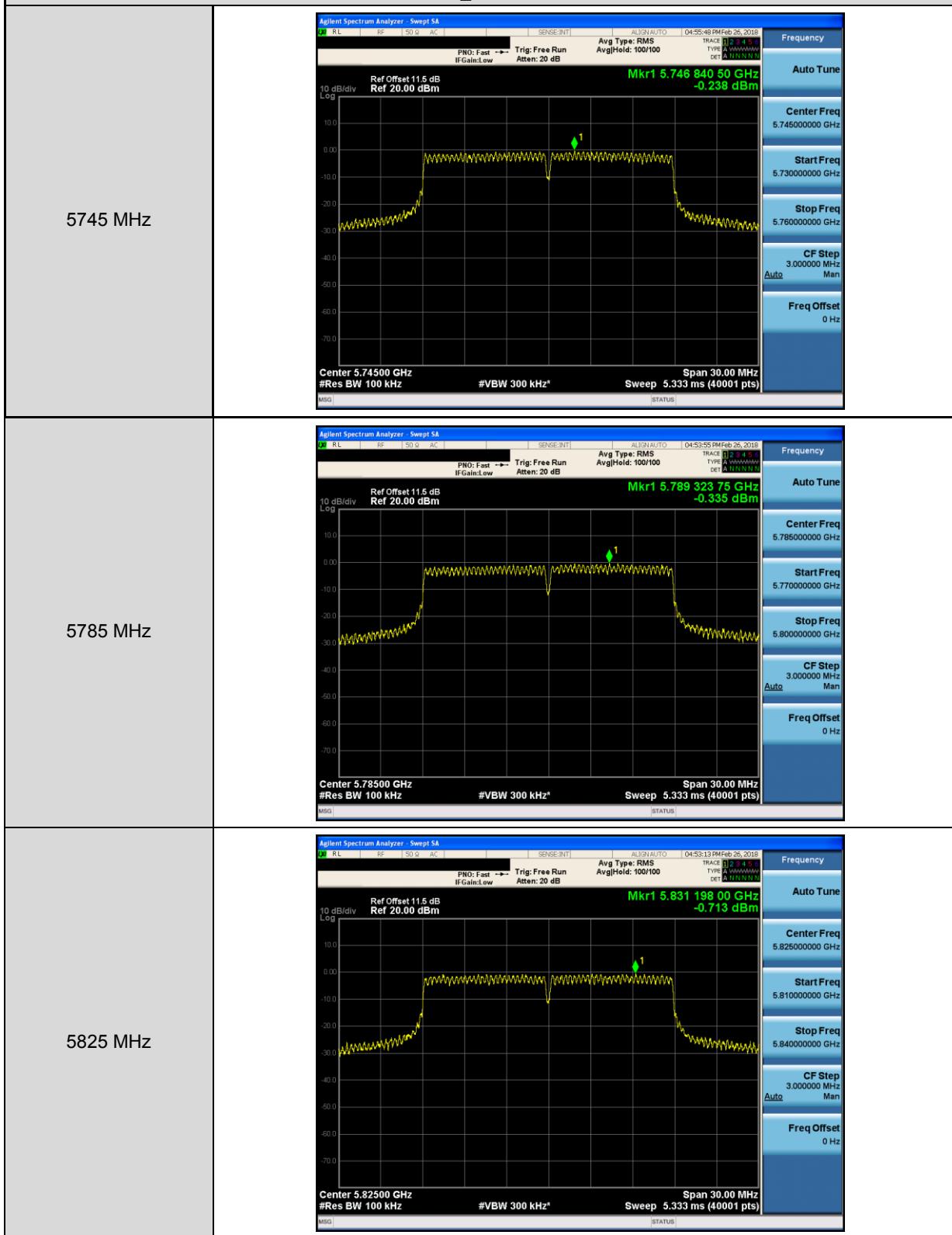
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0



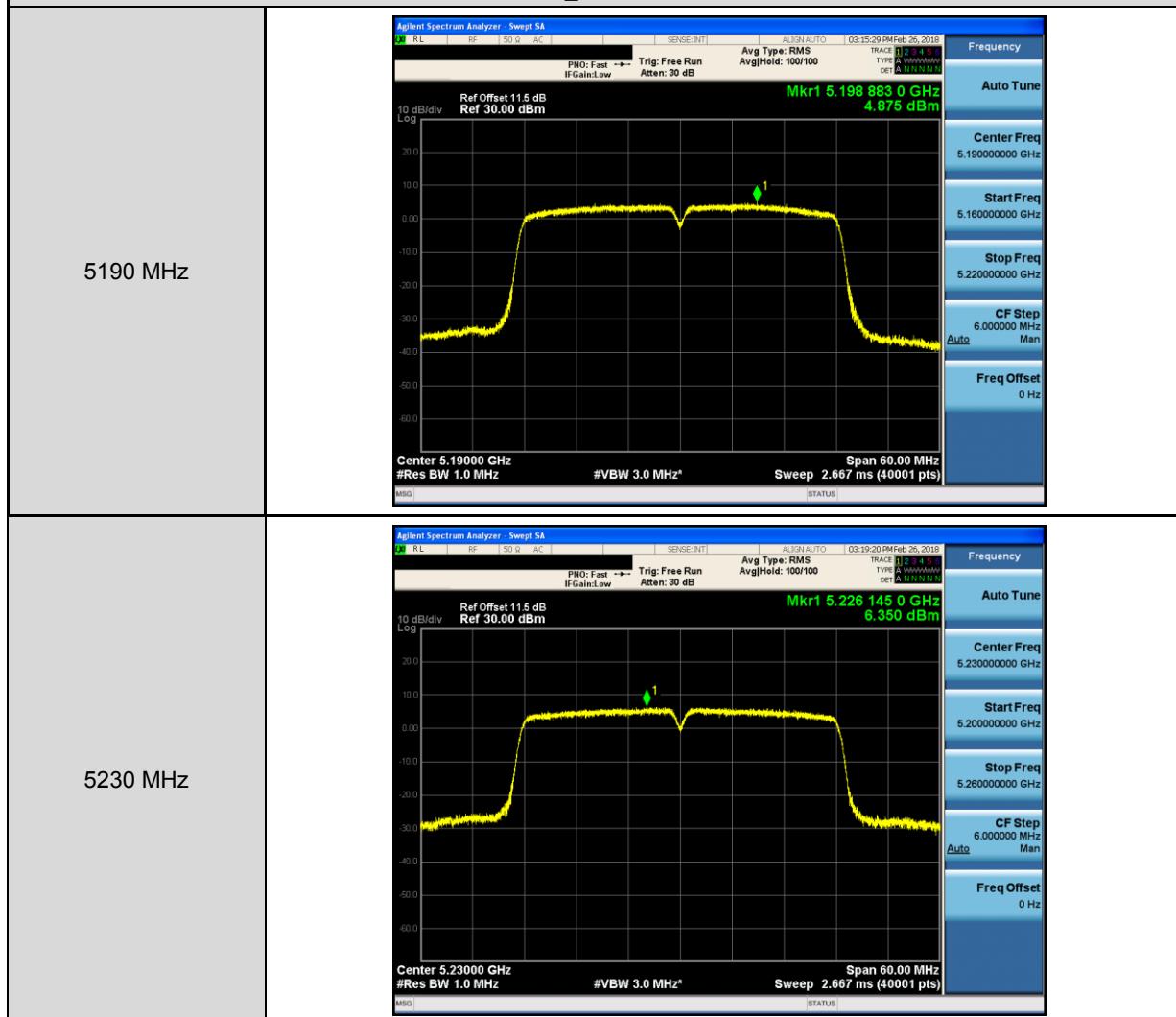
Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ ANT-0



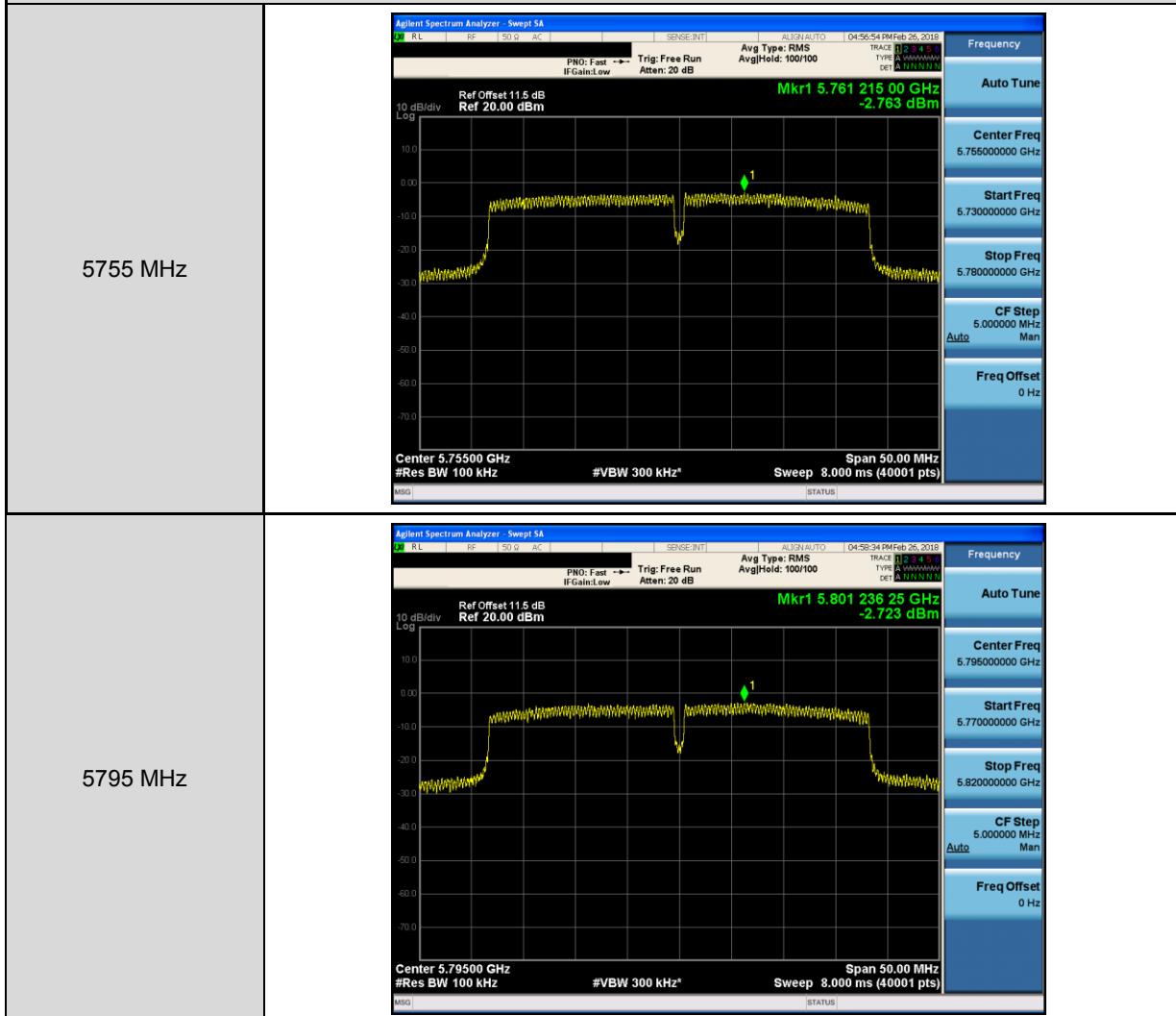
Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ ANT-0



Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ANT-0



Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ANT-0



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

5210 MHz



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

5775 MHz

