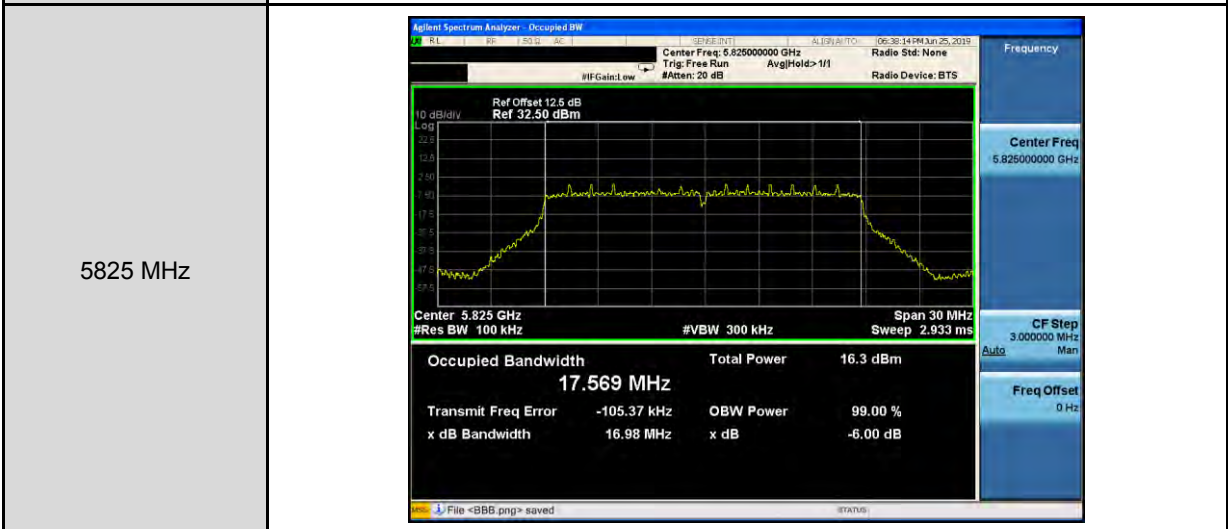
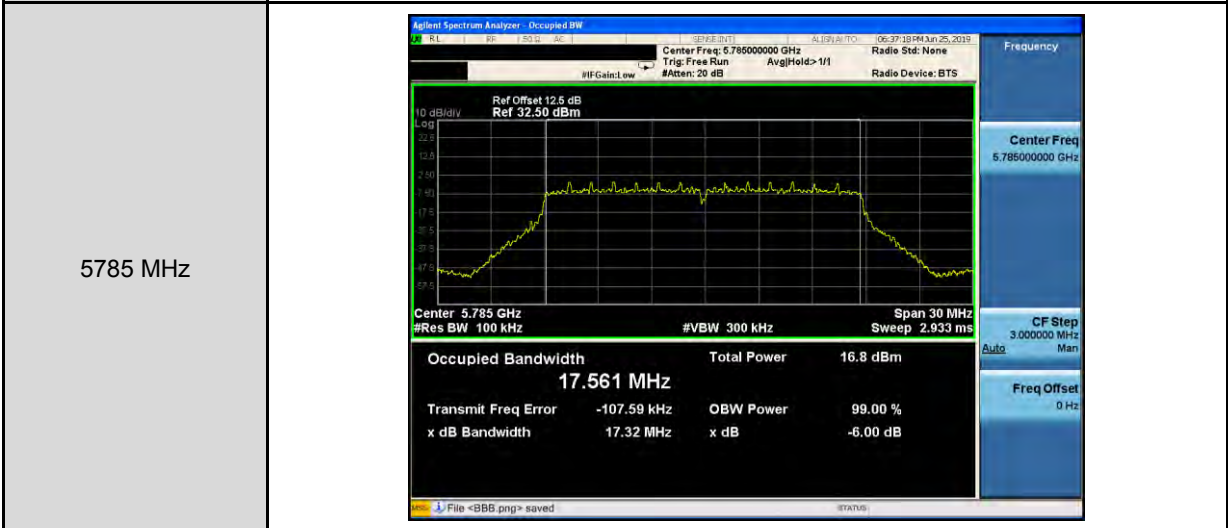
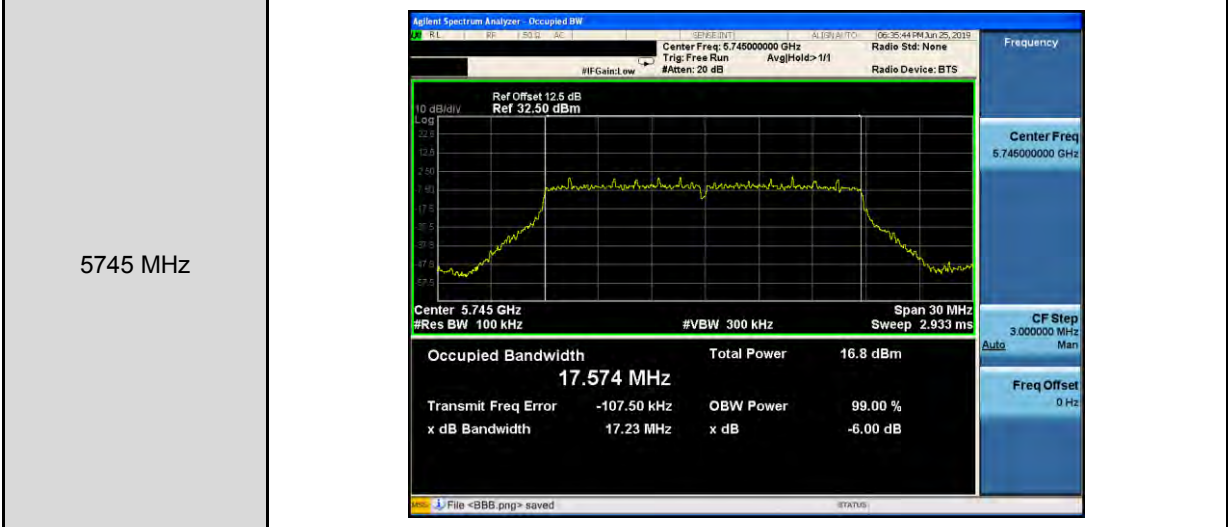




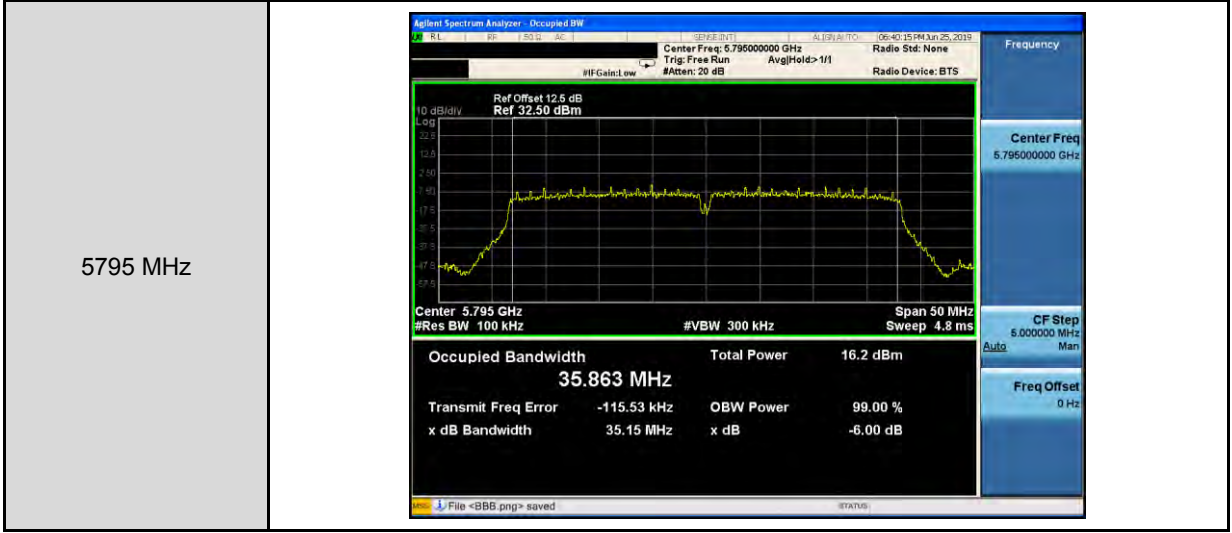
Beamforming on

Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode\_ANT-0

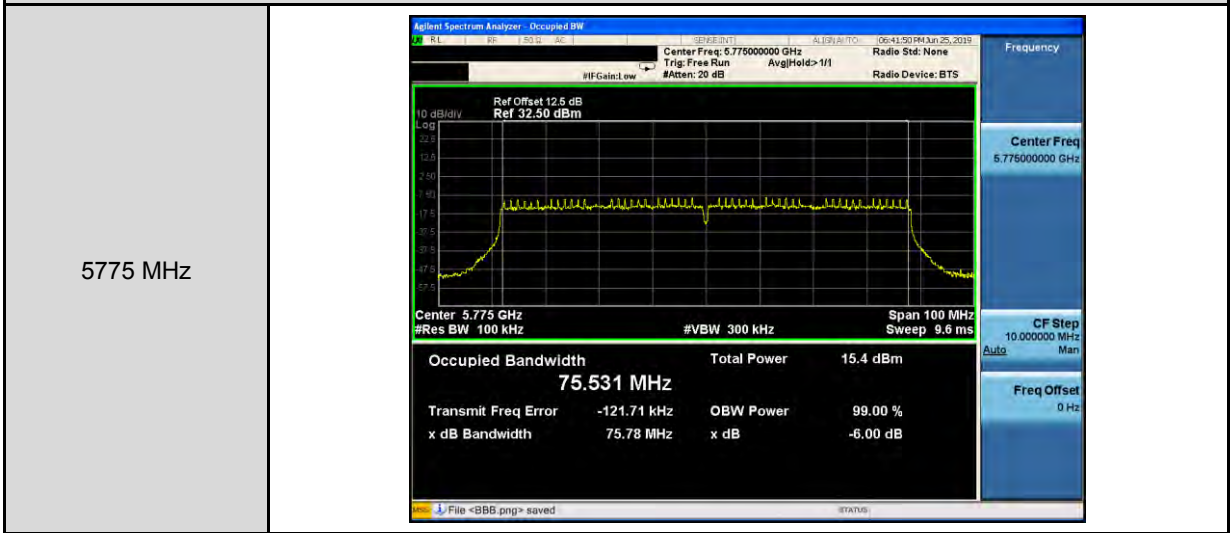




Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode\_ANT-0



Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode\_ANT-0

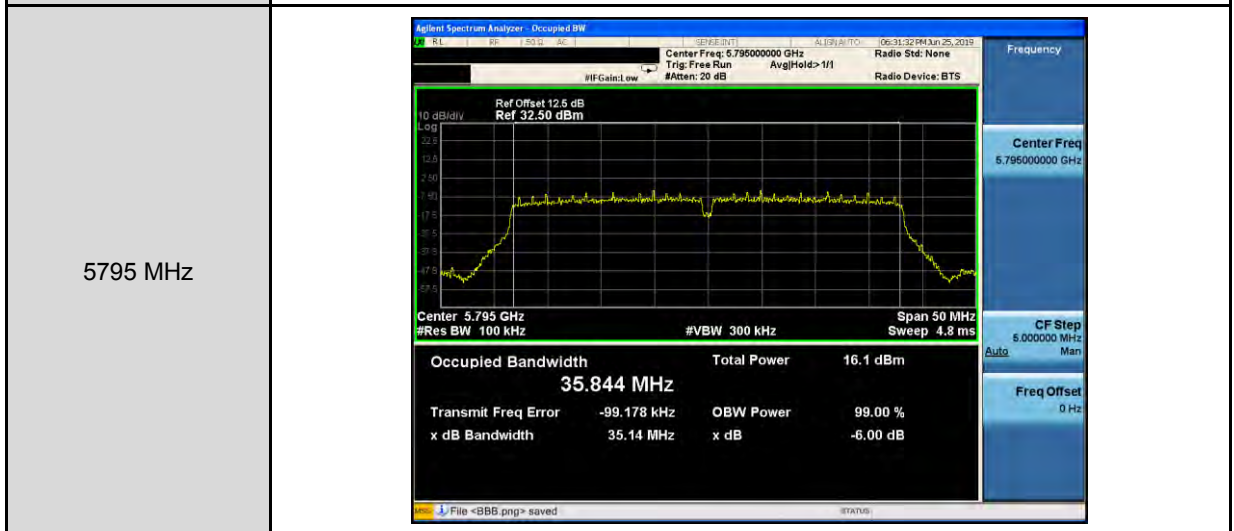
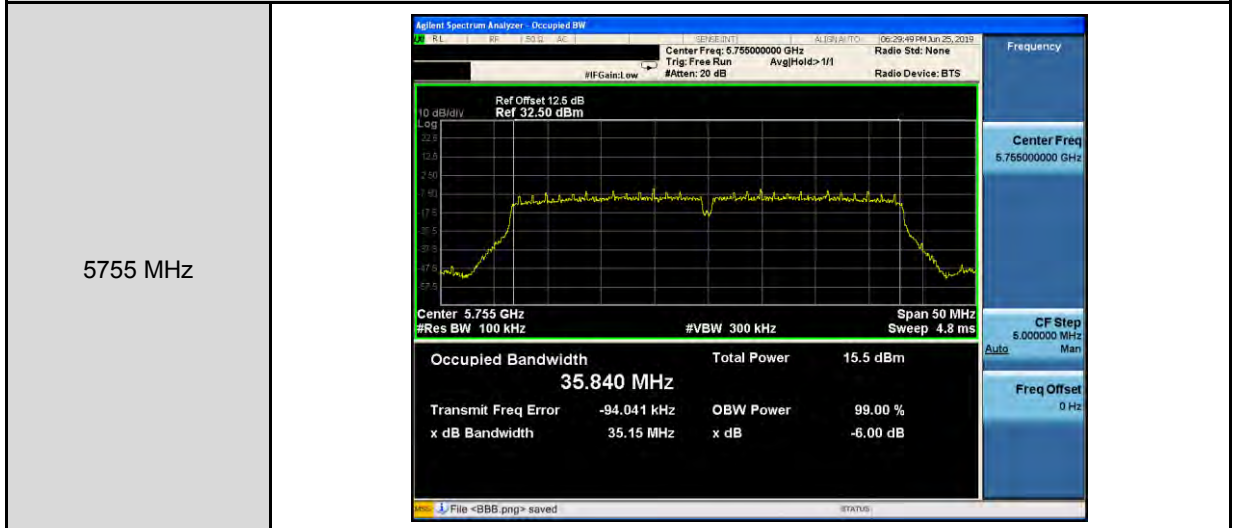




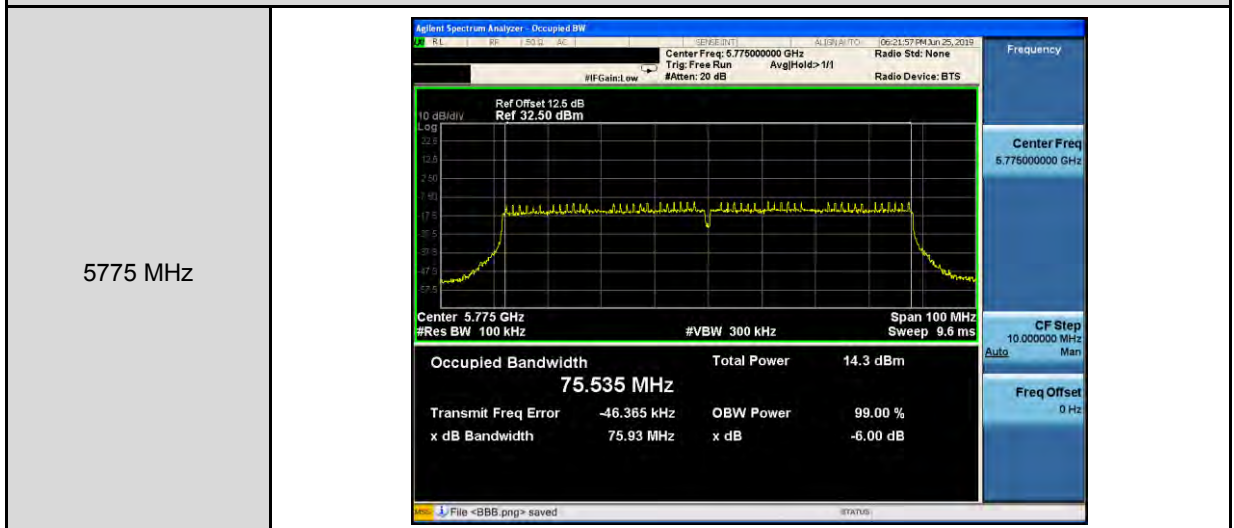
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5745 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.74500000 GHz Trig: Free Run #IFGain: Low #Atten: 20 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.5 dB Ref 32.50 dBm</p> <p>Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth <b>17.566 MHz</b> Total Power 15.4 dBm</p> <p>Transmit Freq Error -105.96 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 17.33 MHz x dB -6.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>
5785 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.78500000 GHz Trig: Free Run #IFGain: Low #Atten: 20 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.5 dB Ref 32.50 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>17.546 MHz</b> Total Power 16.2 dBm</p> <p>Transmit Freq Error -104.82 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 16.94 MHz x dB -6.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>
5825 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.82500000 GHz Trig: Free Run #IFGain: Low #Atten: 20 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.5 dB Ref 32.50 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>17.559 MHz</b> Total Power 16.5 dBm</p> <p>Transmit Freq Error -104.28 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 16.63 MHz x dB -6.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>



Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode\_ANT-1



Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode\_ANT-1

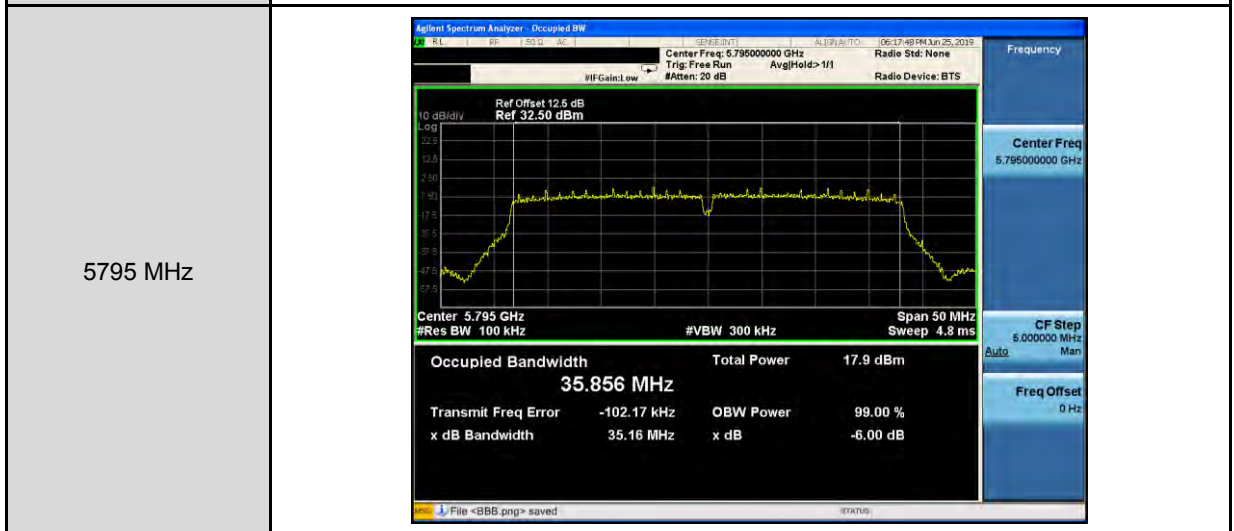
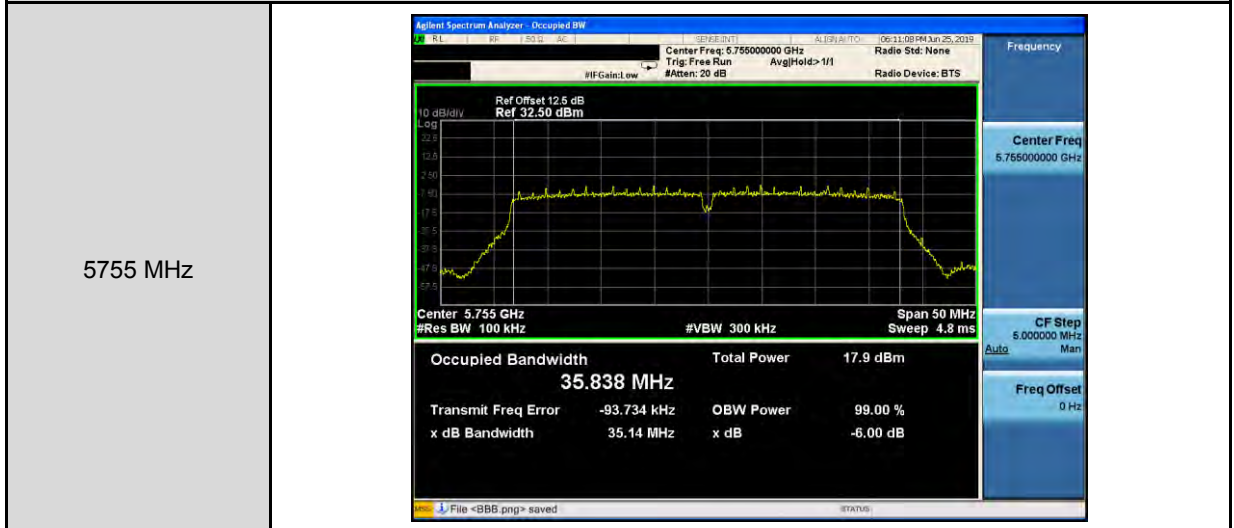




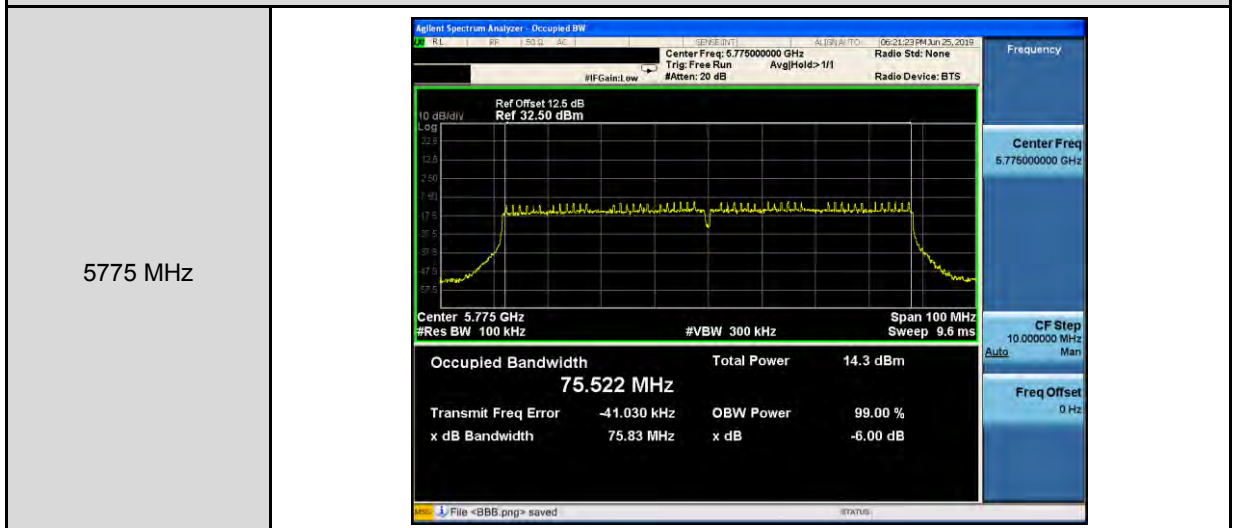
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-2	
5745 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.74500000 GHz Trig: Free Run #IFGain: Low #Atten: 20 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.5 dB Ref 32.50 dBm</p> <p>Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth <b>17.574 MHz</b> Total Power 18.1 dBm</p> <p>Transmit Freq Error -104.23 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 17.55 MHz x dB -6.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>
5785 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.78500000 GHz Trig: Free Run #IFGain: Low #Atten: 20 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.5 dB Ref 32.50 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>17.563 MHz</b> Total Power 18.4 dBm</p> <p>Transmit Freq Error -107.72 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 17.54 MHz x dB -6.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>
5825 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.82500000 GHz Trig: Free Run #IFGain: Low #Atten: 20 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.5 dB Ref 32.50 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>17.552 MHz</b> Total Power 19.0 dBm</p> <p>Transmit Freq Error -108.13 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 17.14 MHz x dB -6.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>



Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode\_ANT-2



Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode\_ANT-2

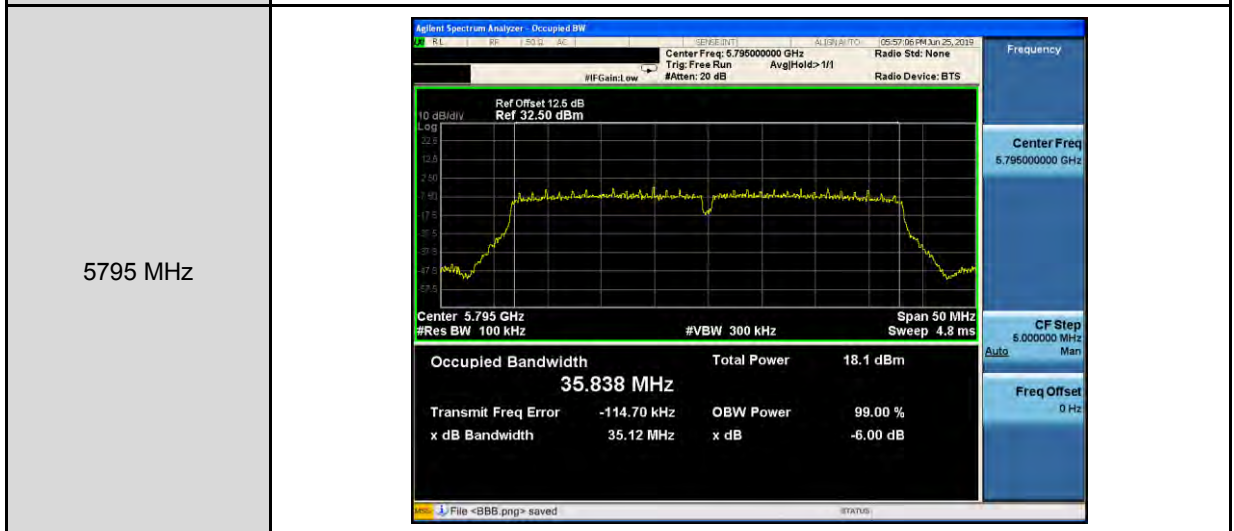
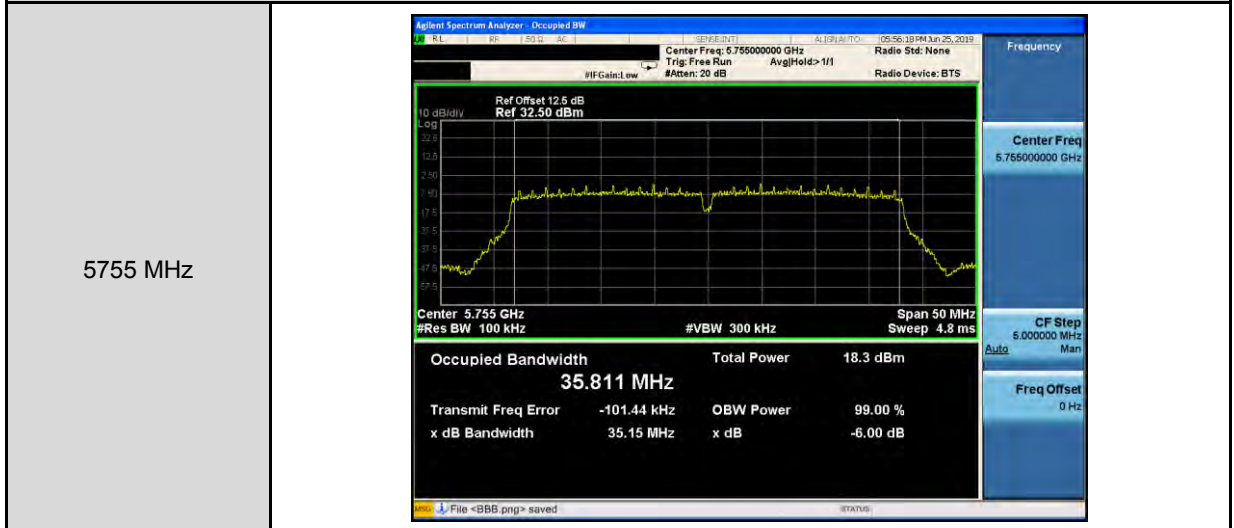




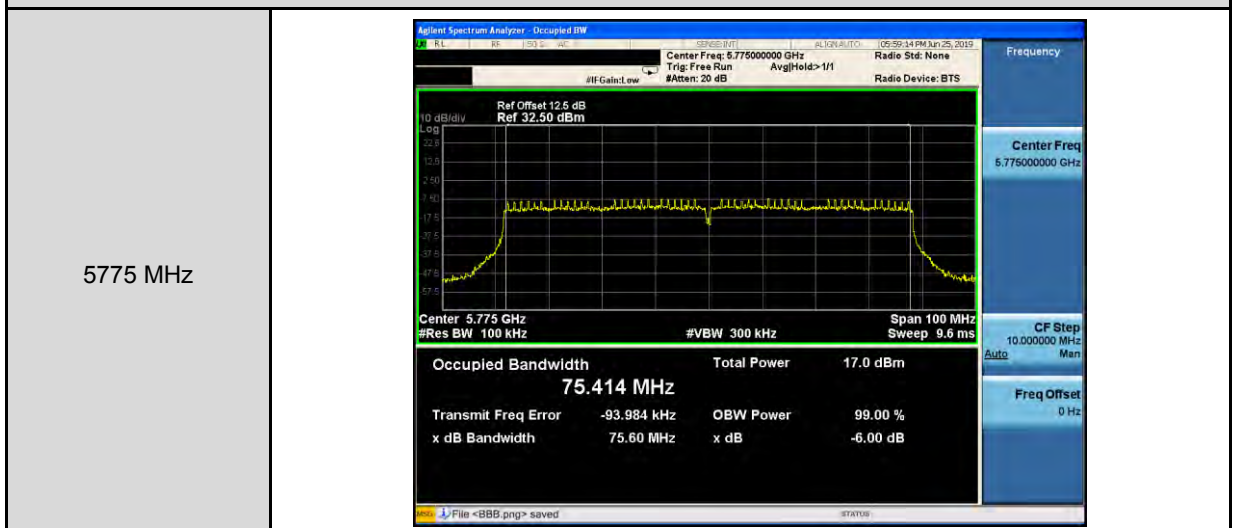
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-3	
5745 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz Trig: Free Run #IFGain: Low #Atten: 20 dB Avg Hold&gt;1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.5 dB Ref 32.50 dBm</p> <p>Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth <b>17.572 MHz</b> Total Power 18.7 dBm</p> <p>Transmit Freq Error -107.38 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 17.56 MHz x dB -6.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>
5785 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz Trig: Free Run #IFGain: Low #Atten: 20 dB Avg Hold&gt;1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.5 dB Ref 32.50 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>17.568 MHz</b> Total Power 18.8 dBm</p> <p>Transmit Freq Error -108.21 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 17.54 MHz x dB -6.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>
5825 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.825000000 GHz Trig: Free Run #IFGain: Low #Atten: 20 dB Avg Hold&gt;1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.5 dB Ref 32.50 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>17.585 MHz</b> Total Power 17.9 dBm</p> <p>Transmit Freq Error -109.92 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 17.15 MHz x dB -6.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>



Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode\_ANT-3



Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode\_ANT-3







**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	6.841	0.083	6.924	≤ 12.51
5200	6.739	0.083	6.822	
5240	6.641	0.083	6.724	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	6.387	0.083	6.470	≤ 12.51
5200	6.102	0.083	6.185	
5240	5.928	0.083	6.011	
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	5.606	0.083	5.689	≤ 12.51
5200	5.502	0.083	5.585	
5240	5.512	0.083	5.595	
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	5.348	0.083	5.431	≤ 12.51
5200	5.144	0.083	5.227	
5240	5.023	0.083	5.106	
Power Spectral Density				
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180.0	12.190			≤ 12.51
5200.0	12.018			
5240.0	11.920			

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	-0.63	0.083	6.44	≤ 24.53
5785	-0.61	0.083	6.46	
5825	-1.11	0.083	5.96	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-1.30	0.083	5.77	≤ 24.53
5785	-1.29	0.083	5.79	
5825	-1.00	0.083	6.07	
Frequency (MHz)	ANT-2			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-0.93	0.083	6.14	≤ 24.53
5785	-0.97	0.083	6.10	
5825	-1.05	0.083	6.02	
Frequency (MHz)	ANT-3			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-0.56	0.083	6.52	≤ 24.53
5785	-0.74	0.083	6.34	
5825	-1.07	0.083	6.00	
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5745	12.248			≤ 24.53
5785	12.201			
5825	12.035			

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 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	8.480	0.026	8.506	≤ 17.00
5200	8.522	0.026	8.548	
5240	8.230	0.026	8.256	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	7.917	0.026	7.943	≤ 17.00
5200	7.713	0.026	7.739	
5240	7.361	0.026	7.387	
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	7.558	0.026	7.584	≤ 17.00
5200	7.300	0.026	7.326	
5240	7.126	0.026	7.152	
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	7.036	0.026	7.062	≤ 17.00
5200	7.097	0.026	7.123	
5240	6.847	0.026	6.873	
Power Spectral Density				
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180.0	13.826			≤ 17.00
5200.0	13.740			
5240.0	13.469			

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 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	-2.09	0.026	4.92	≤ 30.00
5785	-2.14	0.026	4.87	
5825	-2.17	0.026	4.84	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-2.81	0.026	4.21	≤ 30.00
5785	-2.41	0.026	4.60	
5825	-2.17	0.026	4.84	
Frequency (MHz)	ANT-2			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-2.08	0.026	4.93	≤ 30.00
5785	-2.01	0.026	5.00	
5825	-2.26	0.026	4.76	
Frequency (MHz)	ANT-3			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-1.73	0.026	5.28	≤ 30.00
5785	-1.78	0.026	5.24	
5825	-2.09	0.026	4.92	
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5745	10.876			≤ 30.00
5785	10.956			
5825	10.862			

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 6: 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	5.508	0.087	5.595	≤ 17.00
5230	5.316	0.087	5.403	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	5.176	0.087	5.263	≤ 17.00
5230	5.295	0.087	5.382	
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	4.736	0.087	4.823	≤ 17.00
5230	4.329	0.087	4.416	
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	4.176	0.087	4.263	≤ 17.00
5230	4.093	0.087	4.180	
Power Spectral Density				
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5190.0	11.035			≤ 17.00
5230.0	10.901			

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



Test Mode	Mode 6: 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	-5.42	0.087	1.66	≤ 30.00
5795	-5.60	0.087	1.48	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-5.97	0.087	1.10	≤ 30.00
5795	-5.88	0.087	1.19	
Frequency (MHz)	ANT-2			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-5.52	0.087	1.56	≤ 30.00
5795	-5.77	0.087	1.31	
Frequency (MHz)	ANT-3			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-5.20	0.087	1.88	≤ 30.00
5795	-5.46	0.087	1.62	
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			Limit (dBm/500 kHz)
5755	7.565			≤ 30.00
5795	7.423			

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 7: 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	-1.652	0.183	-1.469	≤ 17.00
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-2.021	0.183	-1.838	≤ 17.00
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-2.807	0.183	-2.624	≤ 17.00
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-2.997	0.183	-2.814	≤ 17.00
Power Spectral Density				
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5210.0	3.870			≤ 17.00

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



Test Mode	Mode 7: 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	-10.39	0.183	-3.22	≤ 30.00
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-10.96	0.183	-3.79	≤ 30.00
Frequency (MHz)	ANT-2			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-10.42	0.183	-3.25	≤ 30.00
Frequency (MHz)	ANT-3			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-10.25	0.183	-3.08	≤ 30.00
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			Limit (dBm/500 kHz)
5775	2.695			≤ 30.00

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 5: 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	2.134	0.026	2.160	≤ 12.51
5200	2.347	0.026	2.373	
5240	1.849	0.026	1.875	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	1.579	0.026	1.605	≤ 12.51
5200	1.356	0.026	1.382	
5240	1.074	0.026	1.100	
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	1.072	0.026	1.098	≤ 12.51
5200	0.968	0.026	0.994	
5240	0.691	0.026	0.717	
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	0.497	0.026	0.523	≤ 12.51
5200	0.523	0.026	0.549	
5240	0.335	0.026	0.361	
Power Spectral Density				
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180.0	7.409			≤ 12.51
5200.0	7.398			
5240.0	7.071			

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 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	-8.53	0.026	-1.51	≤ 24.53
5785	-8.67	0.026	-1.66	
5825	-8.85	0.026	-1.83	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-9.11	0.026	-2.10	≤ 24.53
5785	-9.22	0.026	-2.20	
5825	-8.76	0.026	-1.74	
Frequency (MHz)	ANT-2			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-8.59	0.026	-1.58	≤ 24.53
5785	-8.79	0.026	-1.77	
5825	-8.71	0.026	-1.70	
Frequency (MHz)	ANT-3			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-8.22	0.026	-1.20	≤ 24.53
5785	-8.33	0.026	-1.31	
5825	-8.53	0.026	-1.51	
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5745	4.435			≤ 24.53
5785	4.294			
5825	4.326			

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 6: 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	-1.122	0.087	-1.035	≤ 12.51
5230	-1.120	0.087	-1.033	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	-1.576	0.087	-1.489	≤ 12.51
5230	-1.577	0.087	-1.490	
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	-1.882	0.087	-1.795	≤ 12.51
5230	-2.462	0.087	-2.375	
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	0.335	0.087	0.422	≤ 12.51
5230	-2.790	0.087	-2.703	
Power Spectral Density				
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5190.0	4.315			≤ 12.51
5230.0	4.172			

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



Test Mode	Mode 6: 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	-11.95	0.087	-4.87	≤ 24.53
5795	-12.06	0.087	-4.98	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-12.32	0.087	-5.24	≤ 24.53
5795	-12.39	0.087	-5.31	
Frequency (MHz)	ANT-2			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-12.17	0.087	-5.09	≤ 24.53
5795	-12.38	0.087	-5.31	
Frequency (MHz)	ANT-3			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-11.72	0.087	-4.64	≤ 24.53
5795	-11.98	0.087	-4.90	
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5755	1.066			≤ 24.53
5795	0.898			

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 7: 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	-8.176	0.183	-7.993	≤ 12.51
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-8.764	0.183	-8.581	≤ 12.51
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-9.421	0.183	-9.238	≤ 12.51
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-9.813	0.183	-9.630	≤ 12.51
Power Spectral Density				
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5210.0	-2.794			≤ 12.51

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



Test Mode	Mode 7: 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	-17.04	0.183	-9.86	≤ 24.53
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-17.53	0.183	-10.35	≤ 24.53
Frequency (MHz)	ANT-2			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-16.85	0.183	-9.68	≤ 24.53
Frequency (MHz)	ANT-3			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-16.81	0.183	-9.64	≤ 24.53
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			Limit (dBm/500 kHz)
5775	-3.853			≤ 24.53

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 14 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.176 13 GHz 6.841 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 14 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.198 65 GHz 6.739 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 14 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.235 50 GHz 6.641 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 14 PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS Avg Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.742 72 GHz -0.632 dBm Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts) File «BBB.png» saved</p> <table border="1"><tr><td>Frequency</td><td>Auto Tune</td></tr><tr><td>Center Freq</td><td>5.74500000 GHz</td></tr><tr><td>Start Freq</td><td>5.73000000 GHz</td></tr><tr><td>Stop Freq</td><td>5.76000000 GHz</td></tr><tr><td>CF Step</td><td>3.000000 MHz Auto Man</td></tr><tr><td>Freq Offset</td><td>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	3.000000 MHz Auto Man	Freq Offset	0 Hz
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Center Freq	5.74500000 GHz												
Start Freq	5.73000000 GHz												
Stop Freq	5.76000000 GHz												
CF Step	3.000000 MHz Auto Man												
Freq Offset	0 Hz												
5785 MHz	<p>Agilent Spectrum Analyzer: Sweep 14 PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS Avg Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.783 65 GHz -0.608 dBm Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts) File «BBB.png» saved</p> <table border="1"><tr><td>Frequency</td><td>Auto Tune</td></tr><tr><td>Center Freq</td><td>5.78500000 GHz</td></tr><tr><td>Start Freq</td><td>5.77000000 GHz</td></tr><tr><td>Stop Freq</td><td>5.80000000 GHz</td></tr><tr><td>CF Step</td><td>3.000000 MHz Auto Man</td></tr><tr><td>Freq Offset</td><td>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	3.000000 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	3.000000 MHz Auto Man												
Freq Offset	0 Hz												
5825 MHz	<p>Agilent Spectrum Analyzer: Sweep 14 PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS Avg Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.827 07 GHz -1.114 dBm Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts) File «BBB.png» saved</p> <table border="1"><tr><td>Frequency</td><td>Auto Tune</td></tr><tr><td>Center Freq</td><td>5.82500000 GHz</td></tr><tr><td>Start Freq</td><td>5.81000000 GHz</td></tr><tr><td>Stop Freq</td><td>5.84000000 GHz</td></tr><tr><td>CF Step</td><td>3.000000 MHz Auto Man</td></tr><tr><td>Freq Offset</td><td>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	3.000000 MHz Auto Man	Freq Offset	0 Hz
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Start Freq	5.81000000 GHz												
Stop Freq	5.84000000 GHz												
CF Step	3.000000 MHz Auto Man												
Freq Offset	0 Hz												



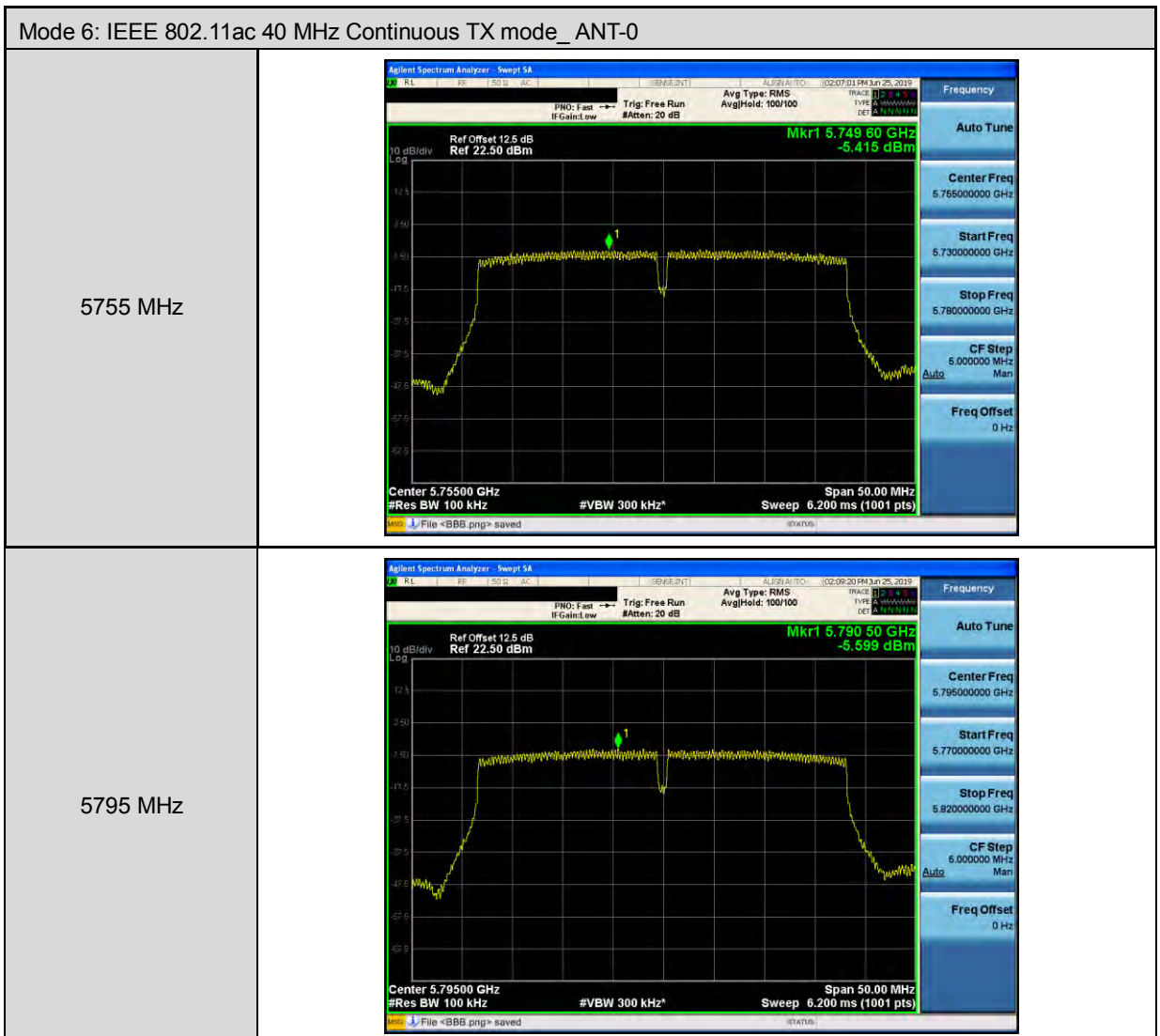


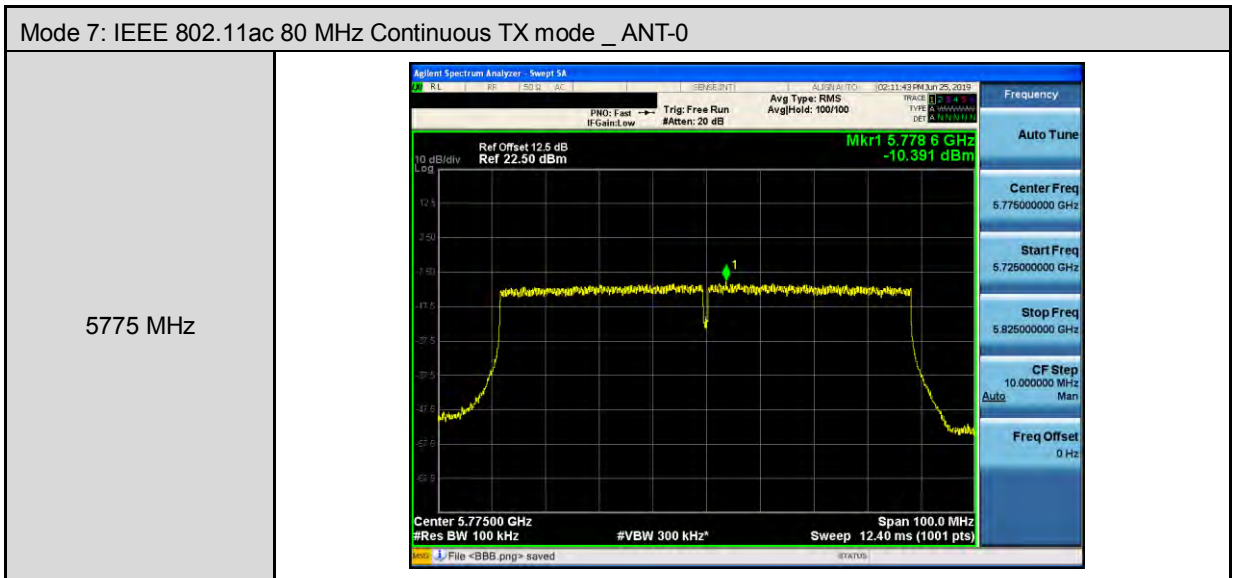
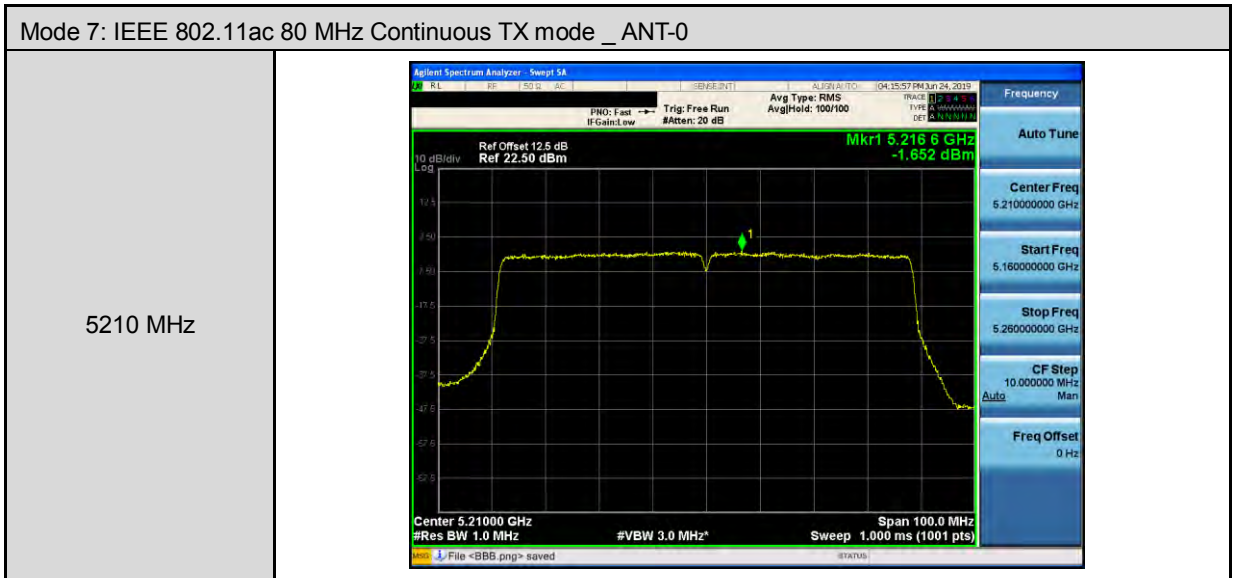
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-0	
5180 MHz	
5200 MHz	
5240 MHz	



Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-0	
5745 MHz	<p>Agilent Spectrum Analyzer: Sweep 1A PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS Avg/Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.748 99 GHz -2.092 dBm Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts) File «BBB.png» saved</p>
5785 MHz	<p>Agilent Spectrum Analyzer: Sweep 1A PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS Avg/Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.788 30 GHz -2.141 dBm Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts) File «BBB.png» saved</p>
5825 MHz	<p>Agilent Spectrum Analyzer: Sweep 1A PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS Avg/Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.820 50 GHz -2.174 dBm Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts) File «BBB.png» saved</p>











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



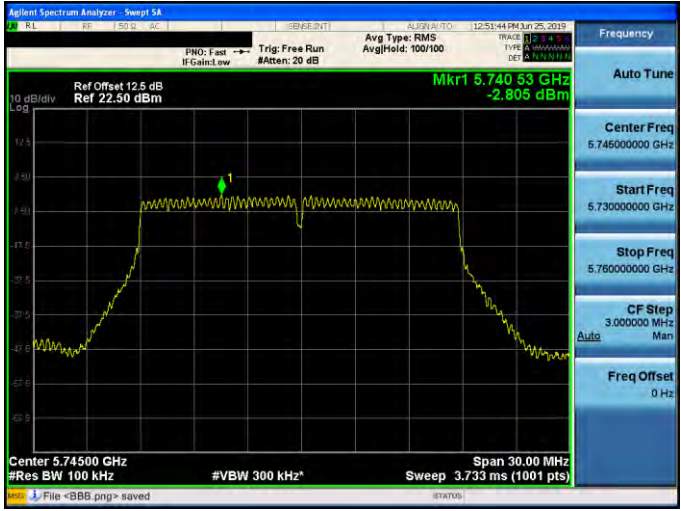
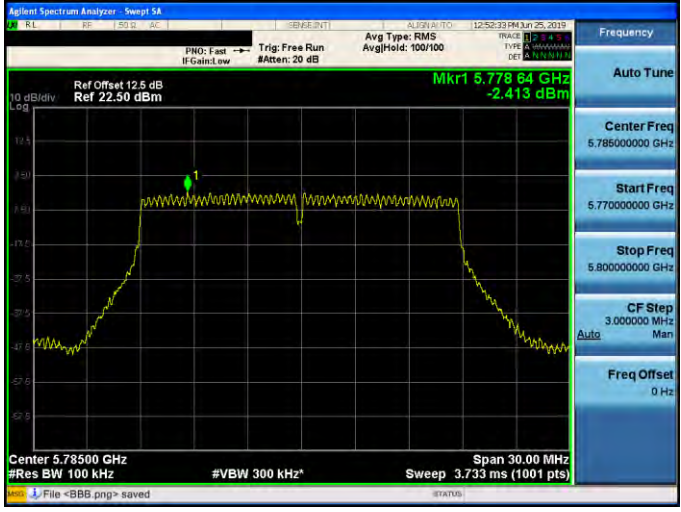
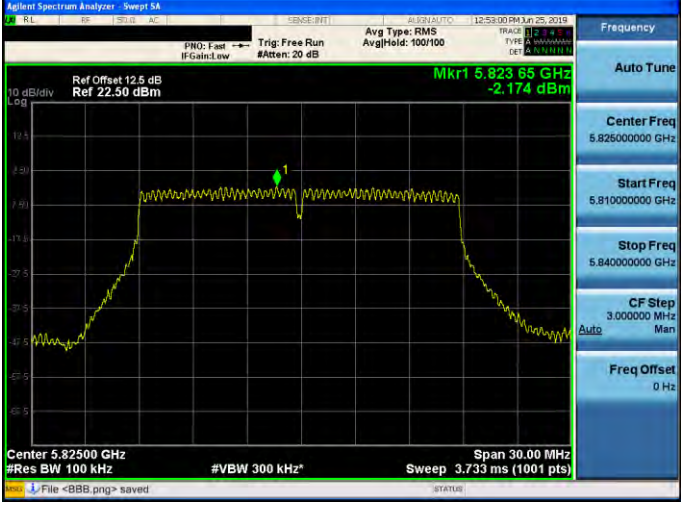
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5745 MHz	
5785 MHz	
5825 MHz	



Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

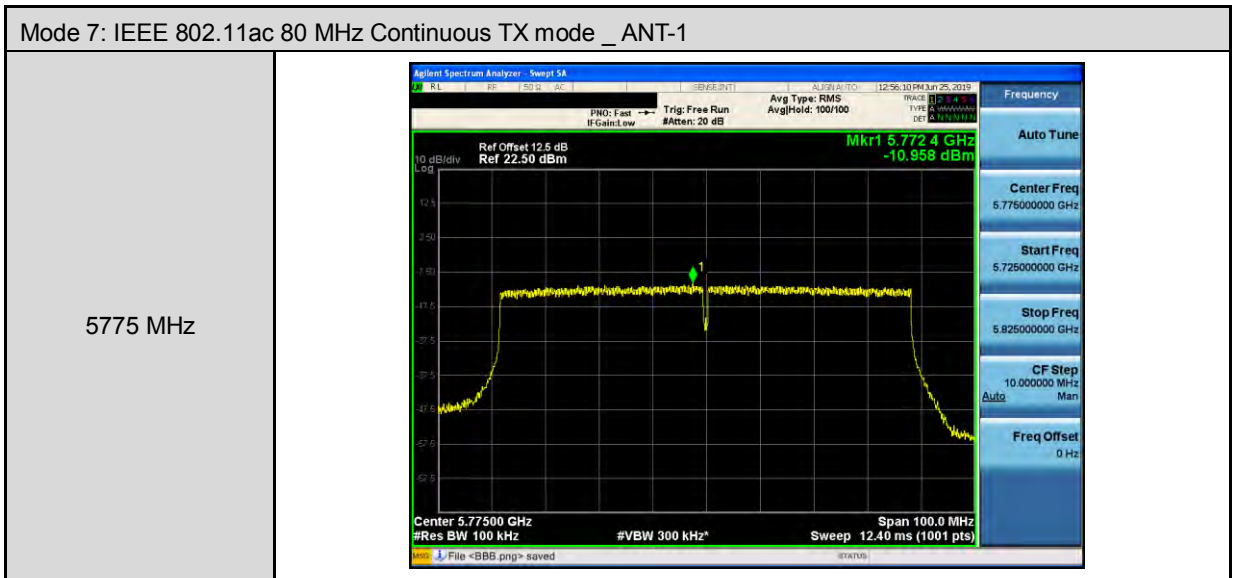
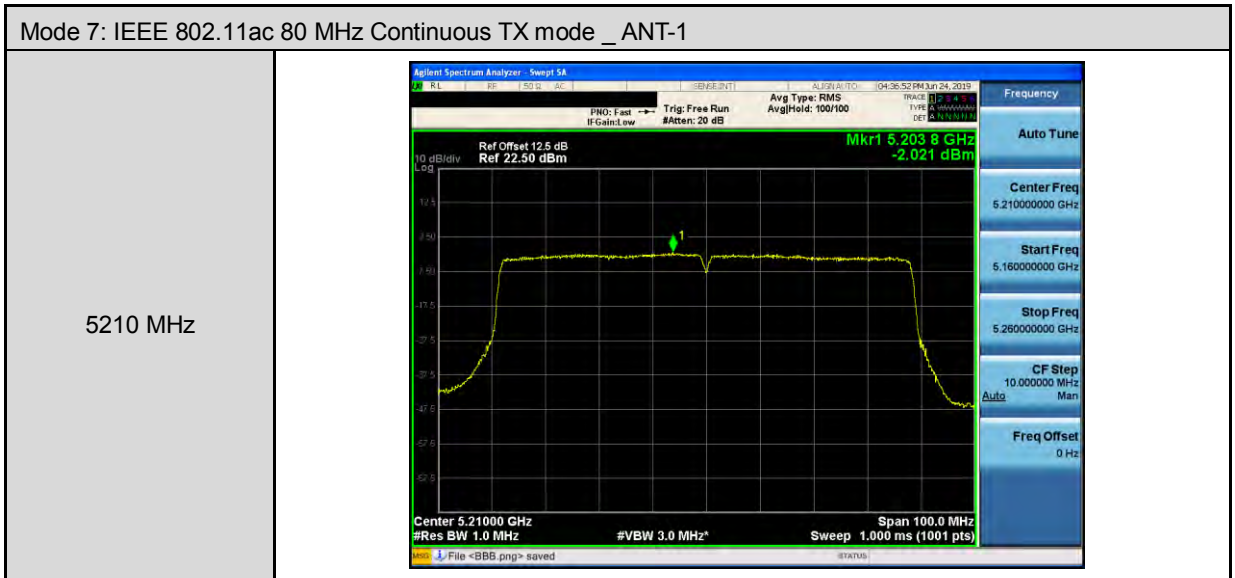






Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-1	
5745 MHz	 <p>Agilent Spectrum Analyzer: Sweep 5A PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS Avg Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.740 53 GHz -2.805 dBm Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.733 ms (1001 pts) Span 30.00 MHz</p>
5785 MHz	 <p>Agilent Spectrum Analyzer: Sweep 5A PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS Avg Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.778 64 GHz -2.413 dBm Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.733 ms (1001 pts) Span 30.00 MHz</p>
5825 MHz	 <p>Agilent Spectrum Analyzer: Sweep 5A PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS Avg Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.823 65 GHz -2.174 dBm Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.733 ms (1001 pts) Span 30.00 MHz</p>












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



Mode 2: IEEE 802.11a Continuous TX mode_ ANT-2													
5745 MHz	 <p>Agilent Spectrum Analyzer: Sweep 14 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS AvgHold: 100/100 Mkr1 5.745 51 GHz -0.928 dBm Ref Offset 12.5 dB Ref 22.50 dBm 10 dB/div Log Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.733 ms (1001 pts) Span 30.00 MHz File «BBB.png» saved</p> <table border="1"><tr><td>Frequency</td><td>Auto Tune</td></tr><tr><td>Center Freq</td><td>5.745000000 GHz</td></tr><tr><td>Start Freq</td><td>5.730000000 GHz</td></tr><tr><td>Stop Freq</td><td>5.760000000 GHz</td></tr><tr><td>CF Step</td><td>3.000000 MHz</td></tr><tr><td>Freq Offset</td><td>0 Hz</td></tr></table>	Frequency	Auto Tune	Center Freq	5.745000000 GHz	Start Freq	5.730000000 GHz	Stop Freq	5.760000000 GHz	CF Step	3.000000 MHz	Freq Offset	0 Hz
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Start Freq	5.730000000 GHz												
Stop Freq	5.760000000 GHz												
CF Step	3.000000 MHz												
Freq Offset	0 Hz												
5785 MHz	 <p>Agilent Spectrum Analyzer: Sweep 14 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS AvgHold: 100/100 Mkr1 5.785 51 GHz -0.989 dBm Ref Offset 12.5 dB Ref 22.50 dBm 10 dB/div Log Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.733 ms (1001 pts) Span 30.00 MHz File «BBB.png» saved</p> <table border="1"><tr><td>Frequency</td><td>Auto Tune</td></tr><tr><td>Center Freq</td><td>5.785000000 GHz</td></tr><tr><td>Start Freq</td><td>5.770000000 GHz</td></tr><tr><td>Stop Freq</td><td>5.800000000 GHz</td></tr><tr><td>CF Step</td><td>3.000000 MHz</td></tr><tr><td>Freq Offset</td><td>0 Hz</td></tr></table>	Frequency	Auto Tune	Center Freq	5.785000000 GHz	Start Freq	5.770000000 GHz	Stop Freq	5.800000000 GHz	CF Step	3.000000 MHz	Freq Offset	0 Hz
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Center Freq	5.785000000 GHz												
Start Freq	5.770000000 GHz												
Stop Freq	5.800000000 GHz												
CF Step	3.000000 MHz												
Freq Offset	0 Hz												
5825 MHz	 <p>Agilent Spectrum Analyzer: Sweep 14 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS AvgHold: 100/100 Mkr1 5.825 54 GHz -1.048 dBm Ref Offset 12.5 dB Ref 22.50 dBm 10 dB/div Log Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.733 ms (1001 pts) Span 30.00 MHz File «BBB.png» saved</p> <table border="1"><tr><td>Frequency</td><td>Auto Tune</td></tr><tr><td>Center Freq</td><td>5.825000000 GHz</td></tr><tr><td>Start Freq</td><td>5.810000000 GHz</td></tr><tr><td>Stop Freq</td><td>5.840000000 GHz</td></tr><tr><td>CF Step</td><td>3.000000 MHz</td></tr><tr><td>Freq Offset</td><td>0 Hz</td></tr></table>	Frequency	Auto Tune	Center Freq	5.825000000 GHz	Start Freq	5.810000000 GHz	Stop Freq	5.840000000 GHz	CF Step	3.000000 MHz	Freq Offset	0 Hz
Frequency	Auto Tune												
Center Freq	5.825000000 GHz												
Start Freq	5.810000000 GHz												
Stop Freq	5.840000000 GHz												
CF Step	3.000000 MHz												
Freq Offset	0 Hz												



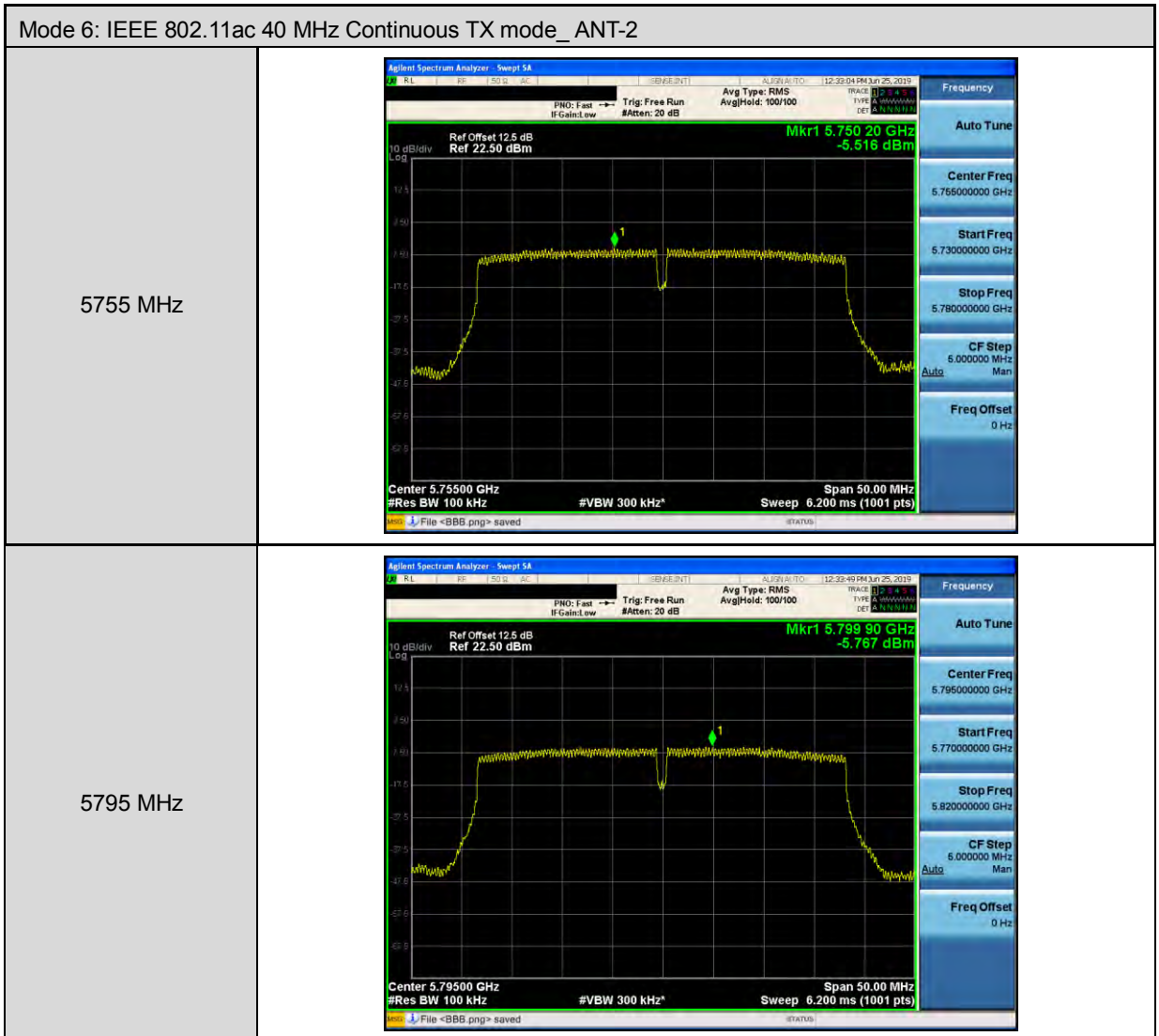
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-2	
5180 MHz	
5200 MHz	
5240 MHz	

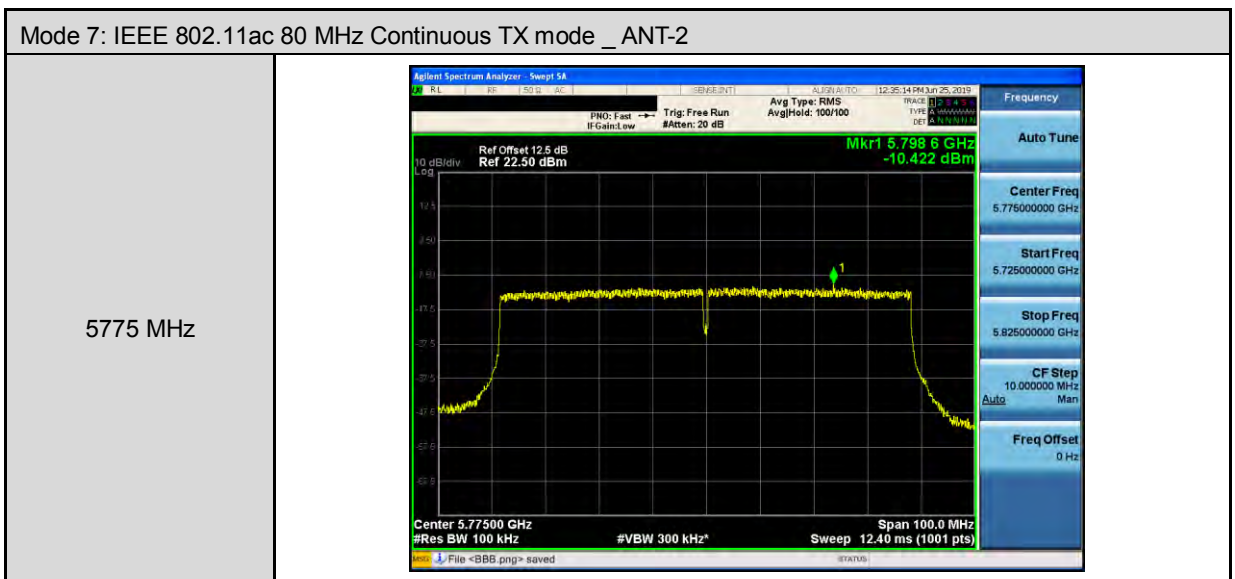
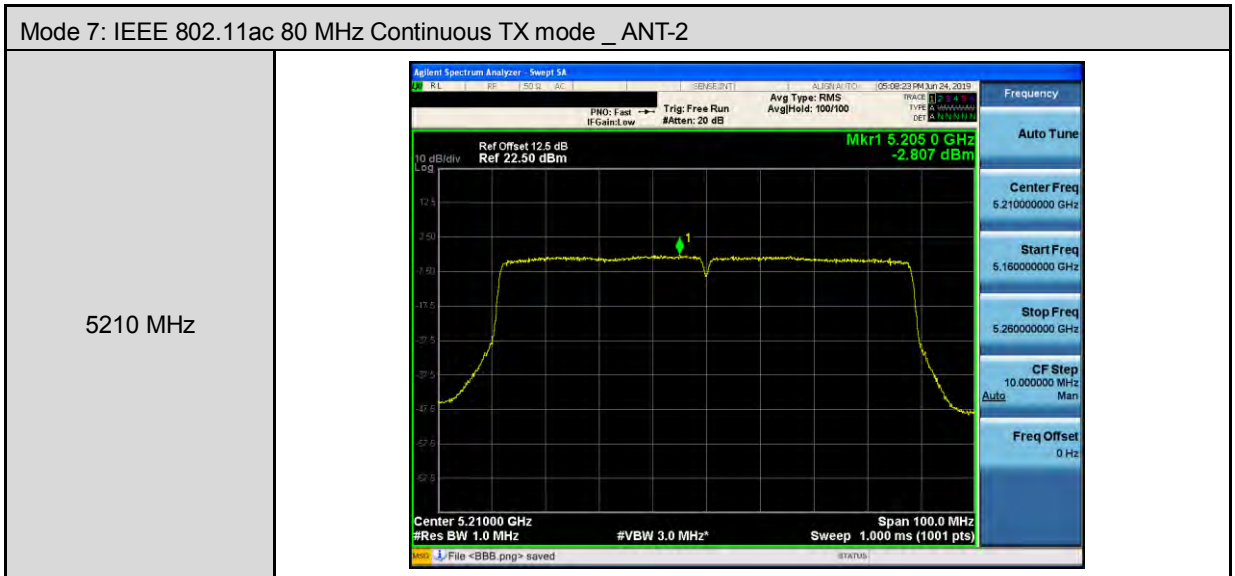


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-2	
5745 MHz	<p>Agilent Spectrum Analyzer: Sweep 14 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS Avg/Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.748 96 GHz -2.081 dBm Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts) File «BBB.png» saved</p>
5785 MHz	<p>Agilent Spectrum Analyzer: Sweep 14 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS Avg/Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.780 50 GHz -2.013 dBm Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts) File «BBB.png» saved</p>
5825 MHz	<p>Agilent Spectrum Analyzer: Sweep 14 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS Avg/Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.820 83 GHz -2.258 dBm Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts) File «BBB.png» saved</p>













Mode 2: IEEE 802.11a Continuous TX mode_ ANT-3	
5180 MHz	
5200 MHz	
5240 MHz	



Mode 2: IEEE 802.11a Continuous TX mode_ ANT-3	
5745 MHz	
5785 MHz	
5825 MHz	



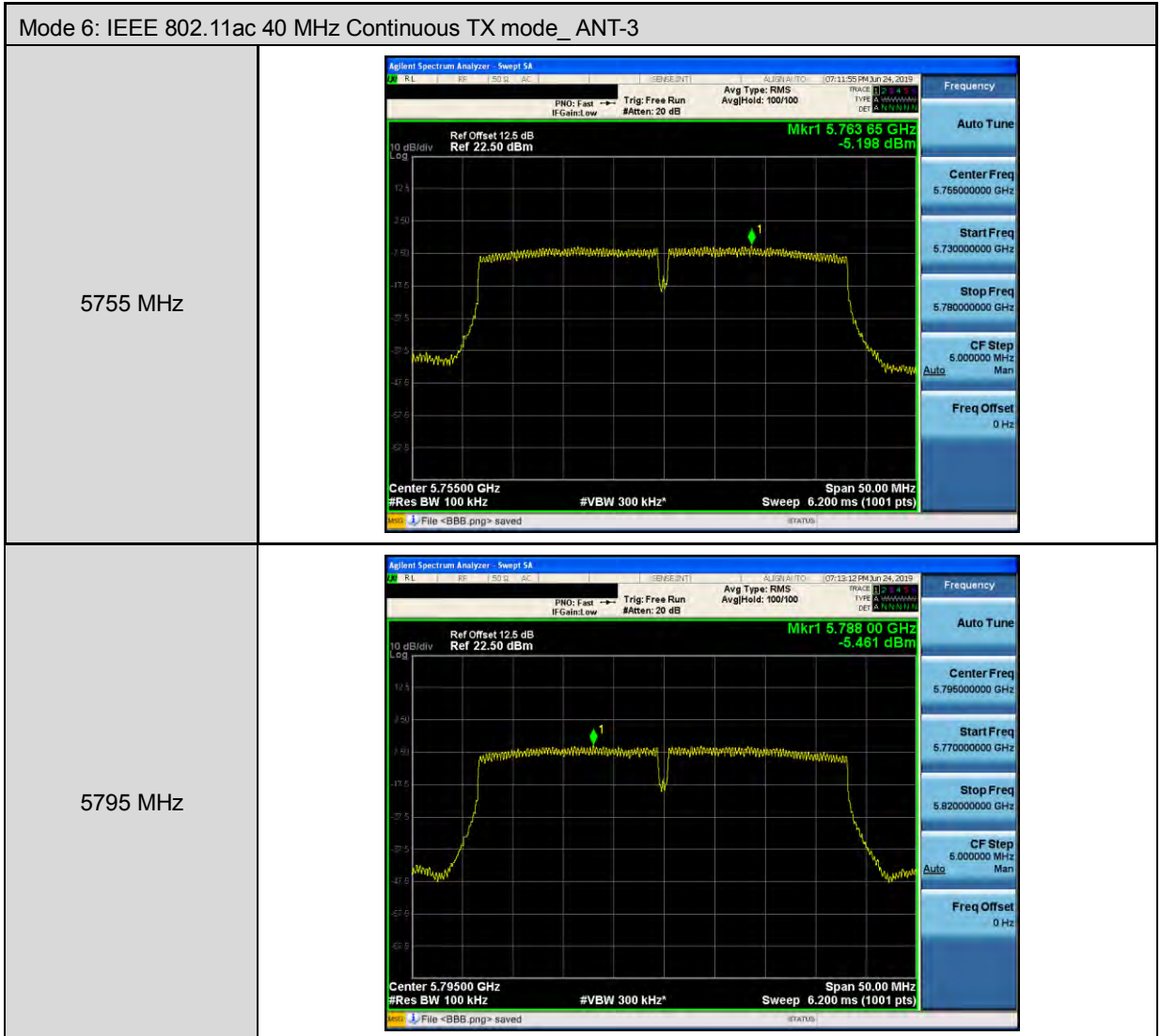
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-3	
5180 MHz	 <p>Agilent Spectrum Analyzer: Sweep 5A PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS Avg/Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.178 65 GHz 7.036 dBm Center 5.180000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts) File «BBB.png» saved</p>
5200 MHz	 <p>Agilent Spectrum Analyzer: Sweep 5A PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS Avg/Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.200 69 GHz 7.097 dBm Center 5.200000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts) File «BBB.png» saved</p>
5240 MHz	 <p>Agilent Spectrum Analyzer: Sweep 5A PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS Avg/Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.237 36 GHz 6.847 dBm Center 5.240000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts) File «BBB.png» saved</p>

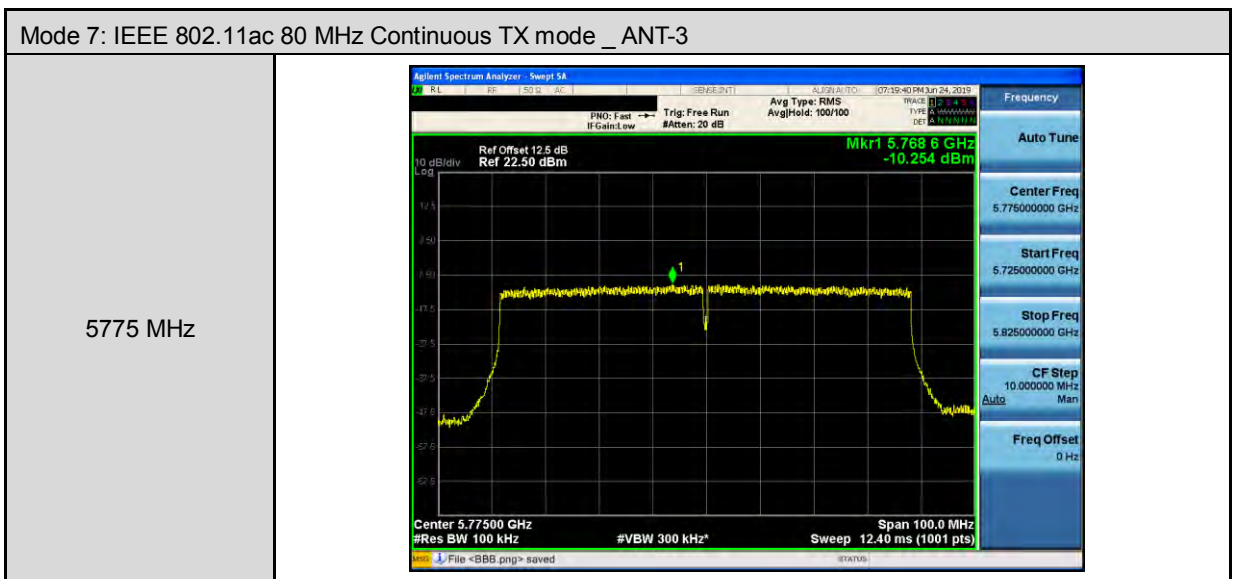
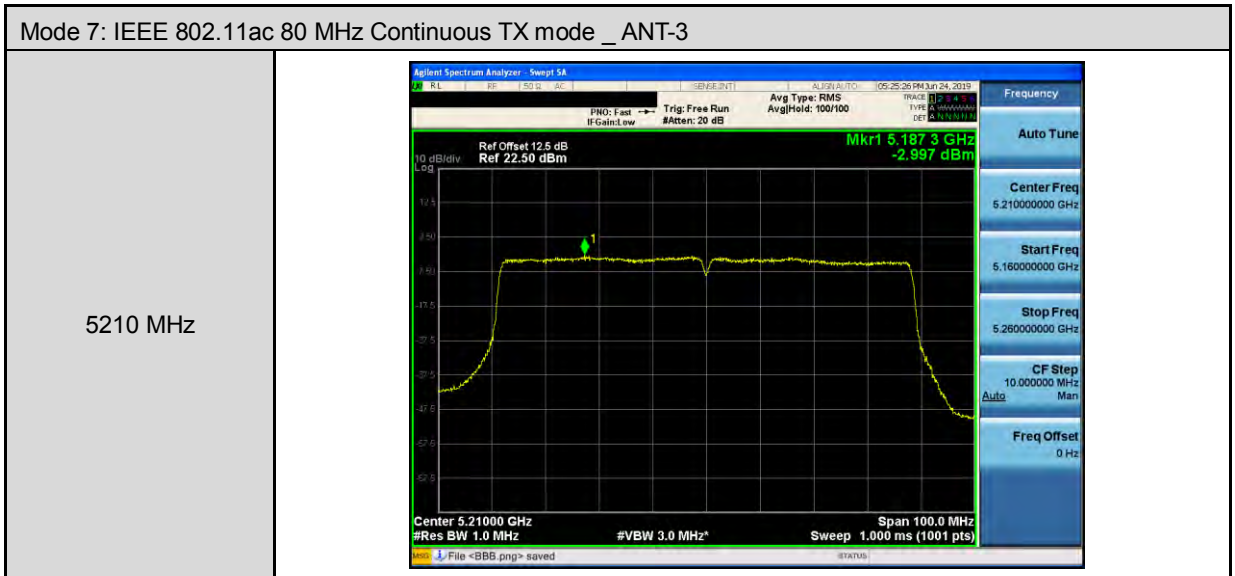


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-3													
5745 MHz	<p>Agilent Spectrum Analyzer: Sweep 5A PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS Avg Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.749 26 GHz -1.732 dBm Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts) File «BBB.png» saved</p> <table border="1"><tr><td>Frequency</td><td>Auto Tune</td></tr><tr><td>Center Freq</td><td>5.745000000 GHz</td></tr><tr><td>Start Freq</td><td>5.730000000 GHz</td></tr><tr><td>Stop Freq</td><td>5.760000000 GHz</td></tr><tr><td>CF Step</td><td>3.000000 MHz</td></tr><tr><td>Freq Offset</td><td>0 Hz</td></tr></table>	Frequency	Auto Tune	Center Freq	5.745000000 GHz	Start Freq	5.730000000 GHz	Stop Freq	5.760000000 GHz	CF Step	3.000000 MHz	Freq Offset	0 Hz
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Center Freq	5.745000000 GHz												
Start Freq	5.730000000 GHz												
Stop Freq	5.760000000 GHz												
CF Step	3.000000 MHz												
Freq Offset	0 Hz												
5785 MHz	<p>Agilent Spectrum Analyzer: Sweep 5A PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS Avg Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.788 33 GHz -1.779 dBm Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts) File «BBB.png» saved</p> <table border="1"><tr><td>Frequency</td><td>Auto Tune</td></tr><tr><td>Center Freq</td><td>5.785000000 GHz</td></tr><tr><td>Start Freq</td><td>5.770000000 GHz</td></tr><tr><td>Stop Freq</td><td>5.800000000 GHz</td></tr><tr><td>CF Step</td><td>3.000000 MHz</td></tr><tr><td>Freq Offset</td><td>0 Hz</td></tr></table>	Frequency	Auto Tune	Center Freq	5.785000000 GHz	Start Freq	5.770000000 GHz	Stop Freq	5.800000000 GHz	CF Step	3.000000 MHz	Freq Offset	0 Hz
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Stop Freq	5.800000000 GHz												
CF Step	3.000000 MHz												
Freq Offset	0 Hz												
5825 MHz	<p>Agilent Spectrum Analyzer: Sweep 5A PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS Avg Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.829 29 GHz -2.091 dBm Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts) File «BBB.png» saved</p> <table border="1"><tr><td>Frequency</td><td>Auto Tune</td></tr><tr><td>Center Freq</td><td>5.825000000 GHz</td></tr><tr><td>Start Freq</td><td>5.810000000 GHz</td></tr><tr><td>Stop Freq</td><td>5.840000000 GHz</td></tr><tr><td>CF Step</td><td>3.000000 MHz</td></tr><tr><td>Freq Offset</td><td>0 Hz</td></tr></table>	Frequency	Auto Tune	Center Freq	5.825000000 GHz	Start Freq	5.810000000 GHz	Stop Freq	5.840000000 GHz	CF Step	3.000000 MHz	Freq Offset	0 Hz
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Start Freq	5.810000000 GHz												
Stop Freq	5.840000000 GHz												
CF Step	3.000000 MHz												
Freq Offset	0 Hz												








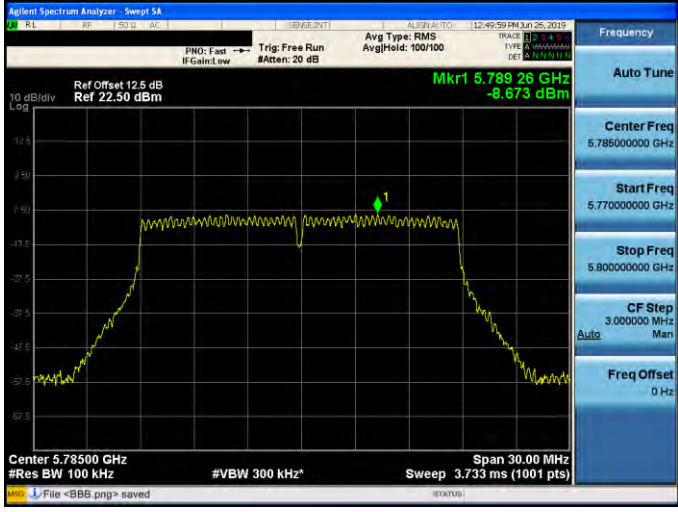
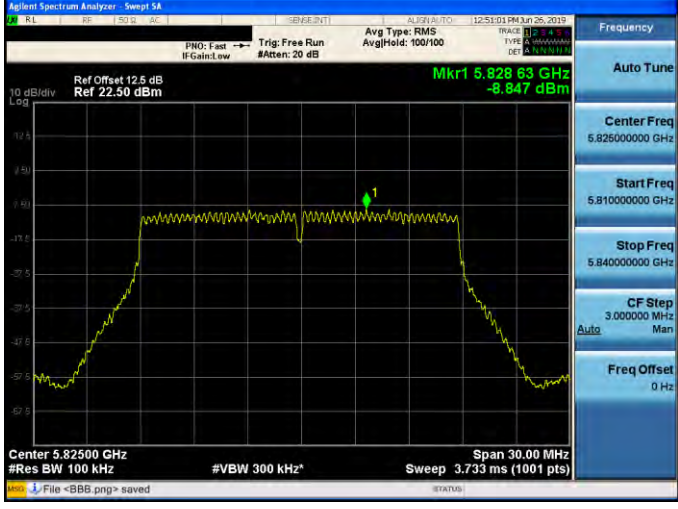


Beamforming on

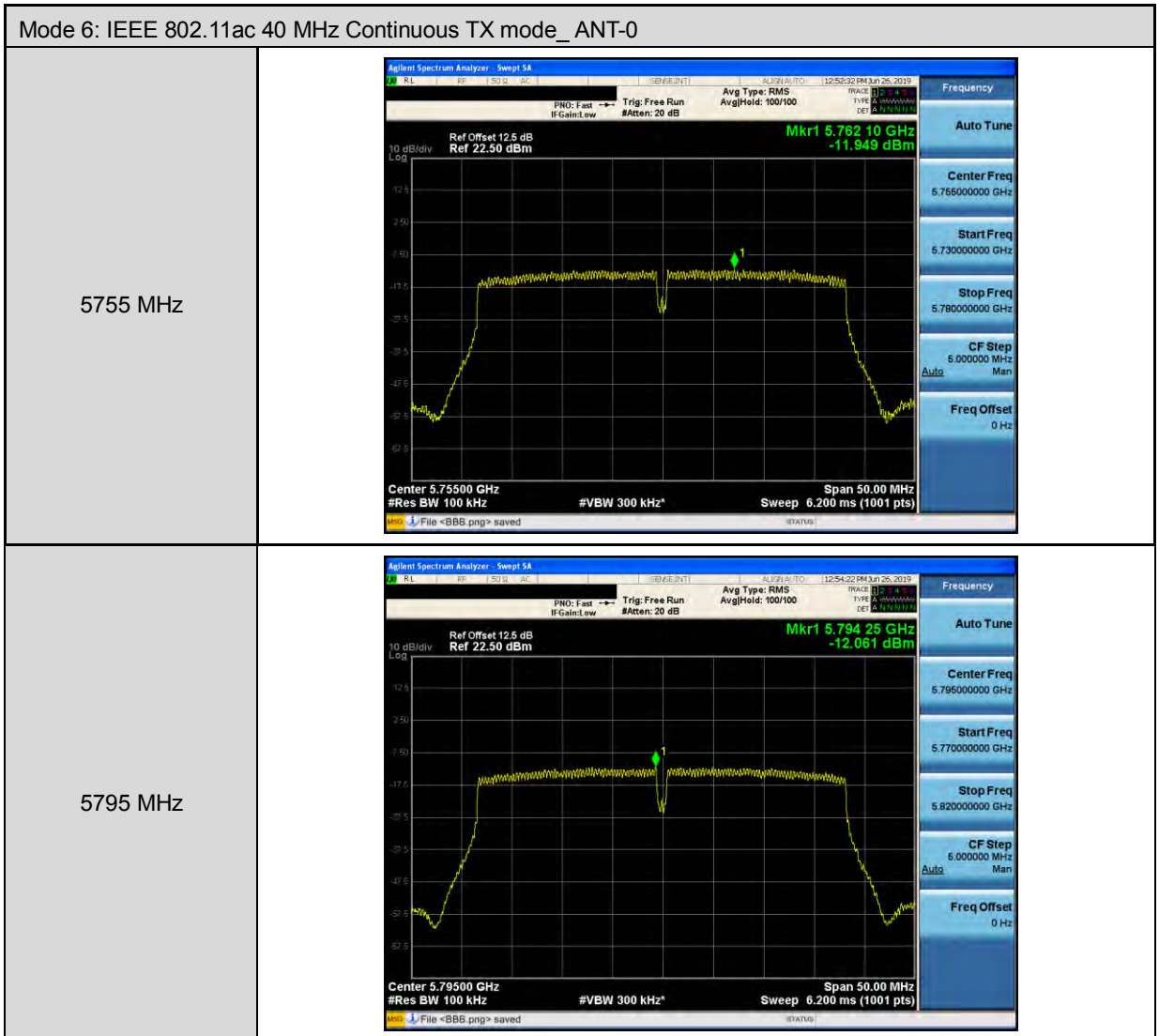
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode \_ANT-0

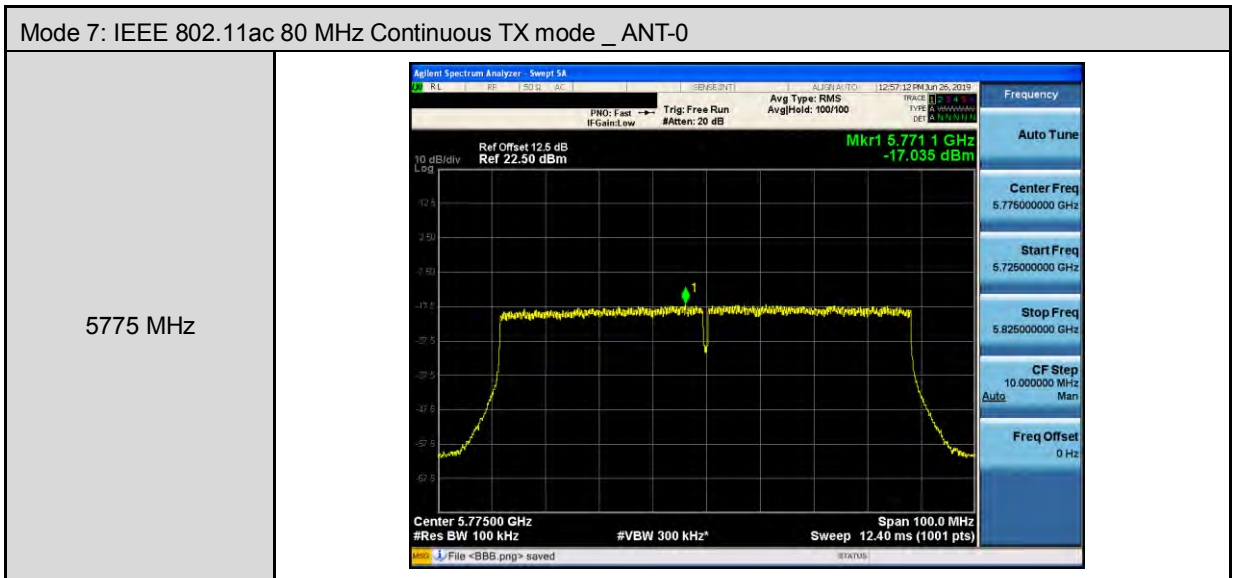
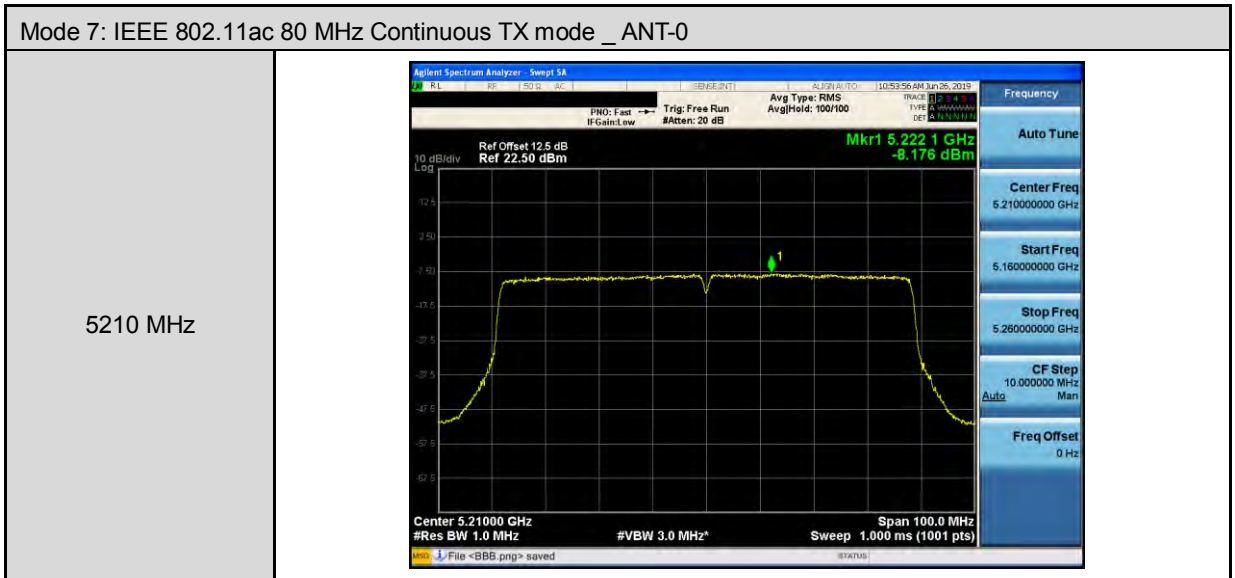
5180 MHz	
5200 MHz	
5240 MHz	



Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-0									
5745 MHz	 <p>Agilent Spectrum Analyzer: Sweep 14 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS AvgHold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.740 50 GHz -8.529 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"><tr><td>Frequency</td></tr><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></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
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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									
5785 MHz	 <p>Agilent Spectrum Analyzer: Sweep 14 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS AvgHold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.789 26 GHz -8.673 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"><tr><td>Frequency</td></tr><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></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
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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 14 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS AvgHold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.828 63 GHz -8.847 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"><tr><td>Frequency</td></tr><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></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
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									









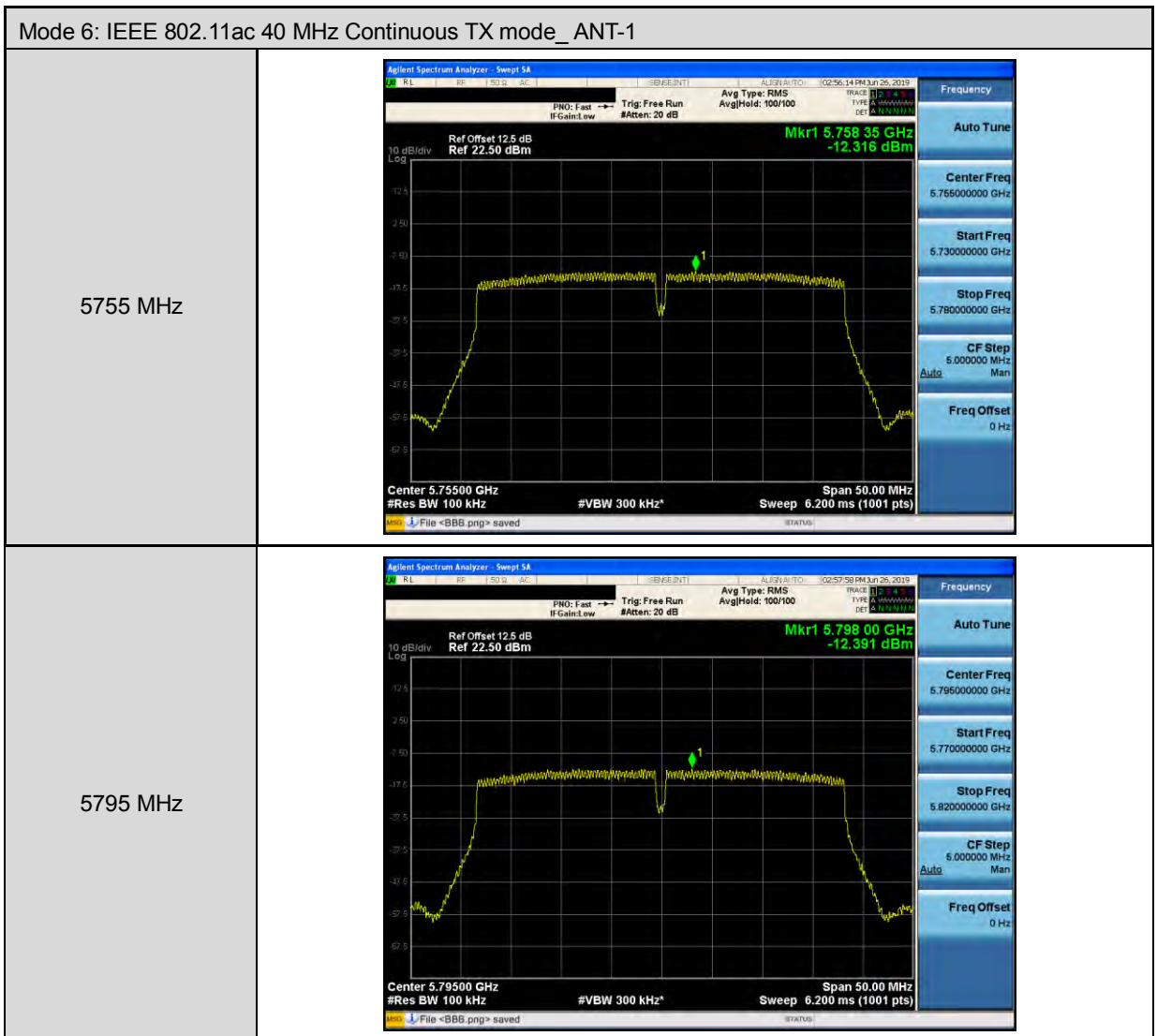
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

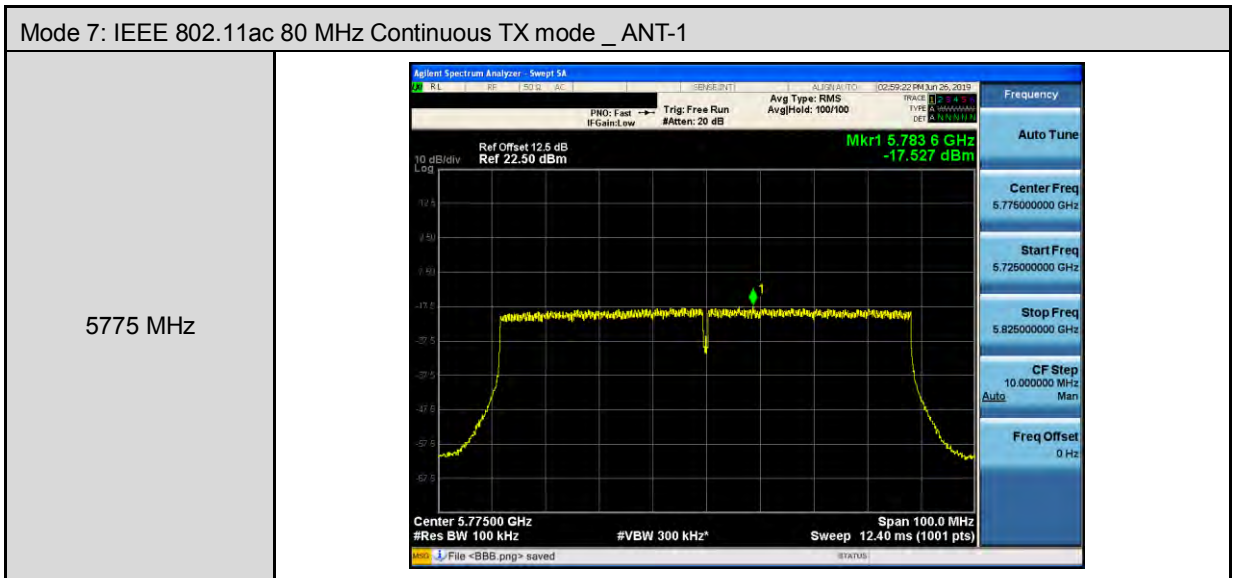
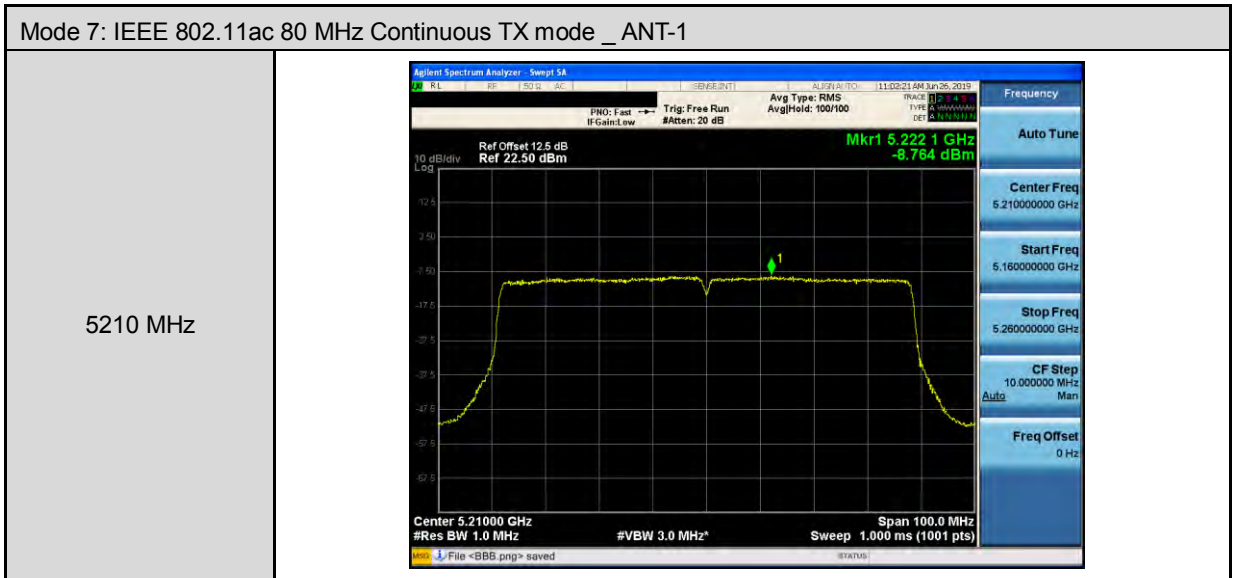




Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-1															
5745 MHz	<p>Agilent Spectrum Analyzer: Sweep 14 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS Avg/Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.745 87 GHz -9.113 dBm Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.733 ms (1001 pts) Span 30.00 MHz File &lt;BBB.png&gt; saved</p> <table border="1"><tr><td>Frequency</td><td>Auto Tune</td></tr><tr><td>Center Freq</td><td>5.745000000 GHz</td></tr><tr><td>Start Freq</td><td>5.730000000 GHz</td></tr><tr><td>Stop Freq</td><td>5.760000000 GHz</td></tr><tr><td>CF Step</td><td>3.000000 MHz</td></tr><tr><td>Auto</td><td>Man</td></tr><tr><td>Freq Offset</td><td>0 Hz</td></tr></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
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Auto	Man														
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5785 MHz	<p>Agilent Spectrum Analyzer: Sweep 14 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS Avg/Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.783 68 GHz -9.220 dBm Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.733 ms (1001 pts) Span 30.00 MHz File &lt;BBB.png&gt; saved</p> <table border="1"><tr><td>Frequency</td><td>Auto Tune</td></tr><tr><td>Center Freq</td><td>5.785000000 GHz</td></tr><tr><td>Start Freq</td><td>5.770000000 GHz</td></tr><tr><td>Stop Freq</td><td>5.800000000 GHz</td></tr><tr><td>CF Step</td><td>3.000000 MHz</td></tr><tr><td>Auto</td><td>Man</td></tr><tr><td>Freq Offset</td><td>0 Hz</td></tr></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
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Stop Freq	5.800000000 GHz														
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Auto	Man														
Freq Offset	0 Hz														
5825 MHz	<p>Agilent Spectrum Analyzer: Sweep 14 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS Avg/Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.825 18 GHz -8.759 dBm Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.733 ms (1001 pts) Span 30.00 MHz File &lt;BBB.png&gt; saved</p> <table border="1"><tr><td>Frequency</td><td>Auto Tune</td></tr><tr><td>Center Freq</td><td>5.825000000 GHz</td></tr><tr><td>Start Freq</td><td>5.810000000 GHz</td></tr><tr><td>Stop Freq</td><td>5.840000000 GHz</td></tr><tr><td>CF Step</td><td>3.000000 MHz</td></tr><tr><td>Auto</td><td>Man</td></tr><tr><td>Freq Offset</td><td>0 Hz</td></tr></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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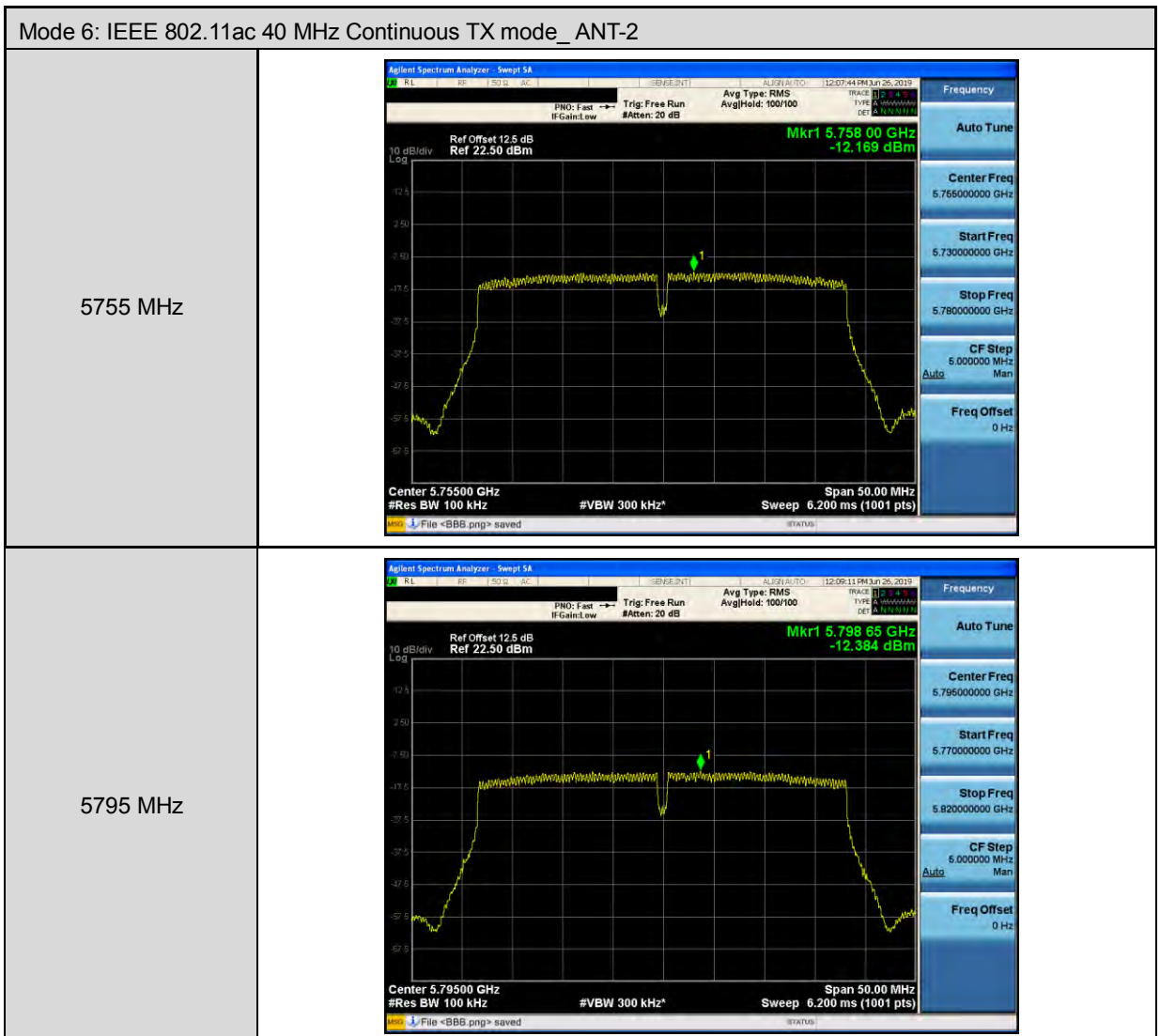


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-2	
5180 MHz	<p>Agilent Spectrum Analyzer: Sweep 1A Ref Offset: 12.5 dB Ref: 22.50 dBm Mkr1 5.181 59 GHz 1.072 dBm Center 5.18000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Span 30.00 MHz Sweep 1.000 ms (1001 pts)</p>
5200 MHz	<p>Agilent Spectrum Analyzer: Sweep 1A Ref Offset: 12.5 dB Ref: 22.50 dBm Mkr1 5.197 09 GHz 0.968 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 1A Ref Offset: 12.5 dB Ref: 22.50 dBm Mkr1 5.237 30 GHz 0.691 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>

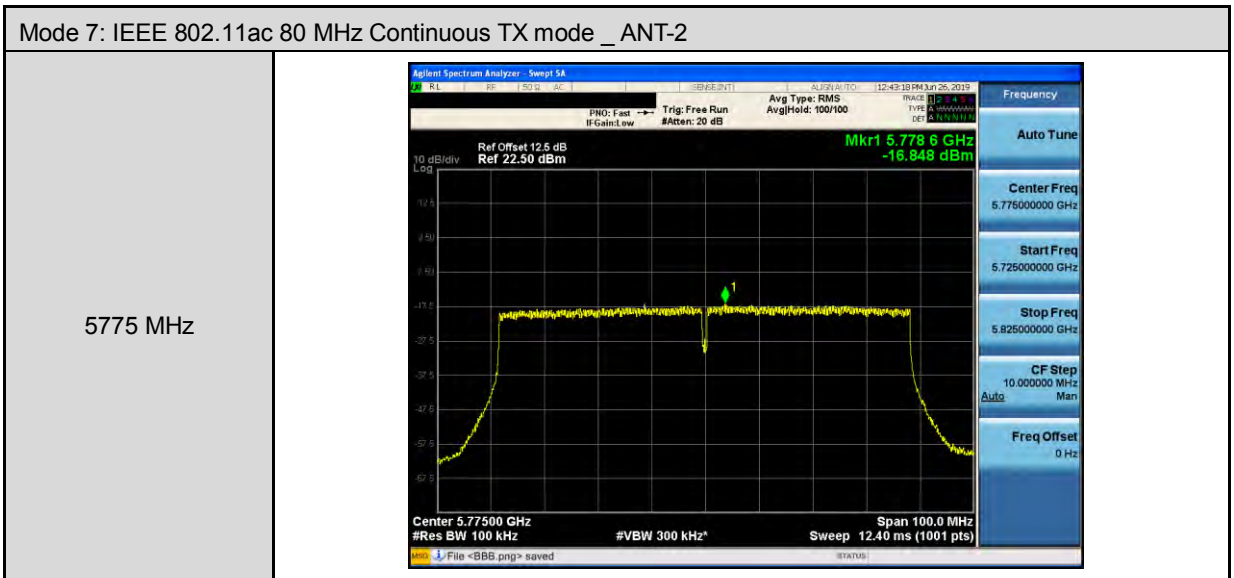
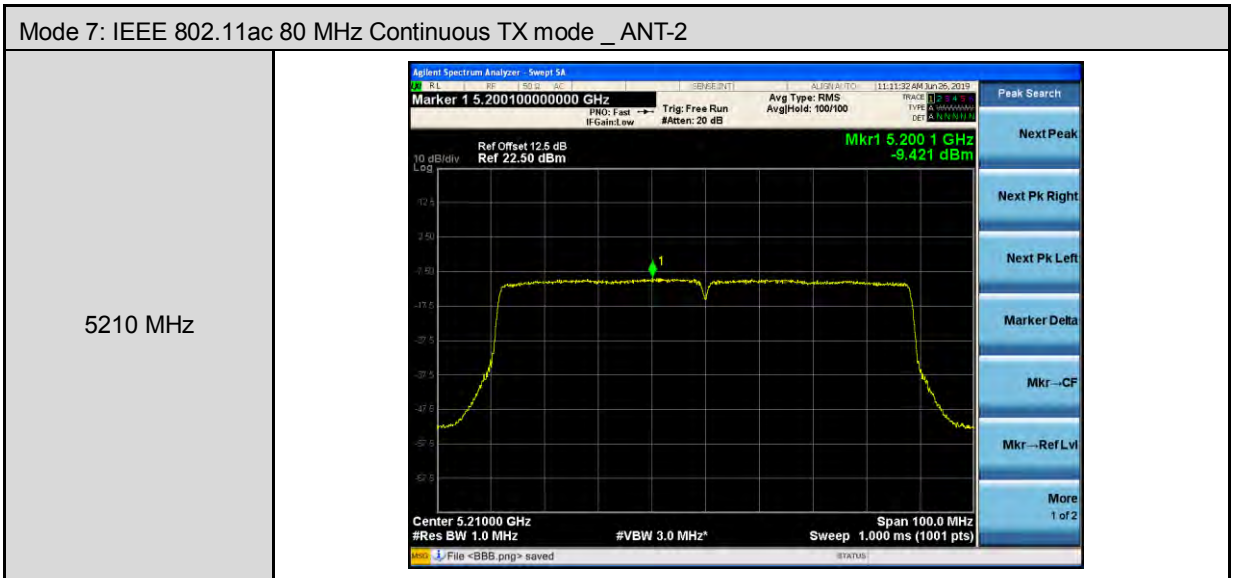


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-2									
5745 MHz	<p>Agilent Spectrum Analyzer: Sweep 14 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS Avg Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.745 54 GHz -8.592 dBm Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 3.733 ms (1001 pts) File &lt;BBB.png&gt; saved</p> <table border="1"><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 3.000000 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 3.000000 MHz	Auto Man	Freq Offset 0 Hz
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5785 MHz	<p>Agilent Spectrum Analyzer: Sweep 14 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS Avg Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.783 62 GHz -8.790 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"><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 3.000000 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 3.000000 MHz	Auto Man	Freq Offset 0 Hz
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5825 MHz	<p>Agilent Spectrum Analyzer: Sweep 14 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS Avg Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.829 26 GHz -8.714 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"><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 3.000000 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 3.000000 MHz	Auto Man	Freq Offset 0 Hz
Frequency									
Auto Tune									
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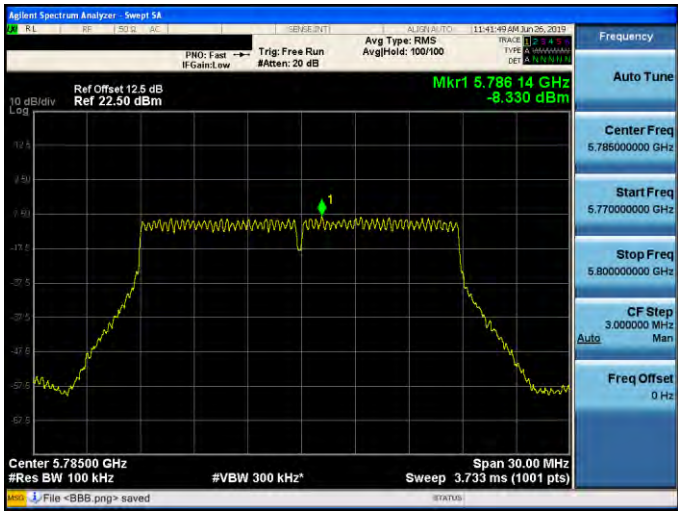
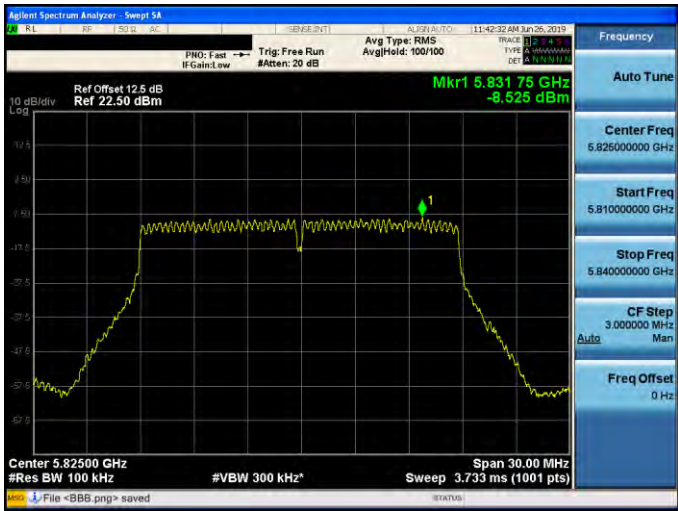






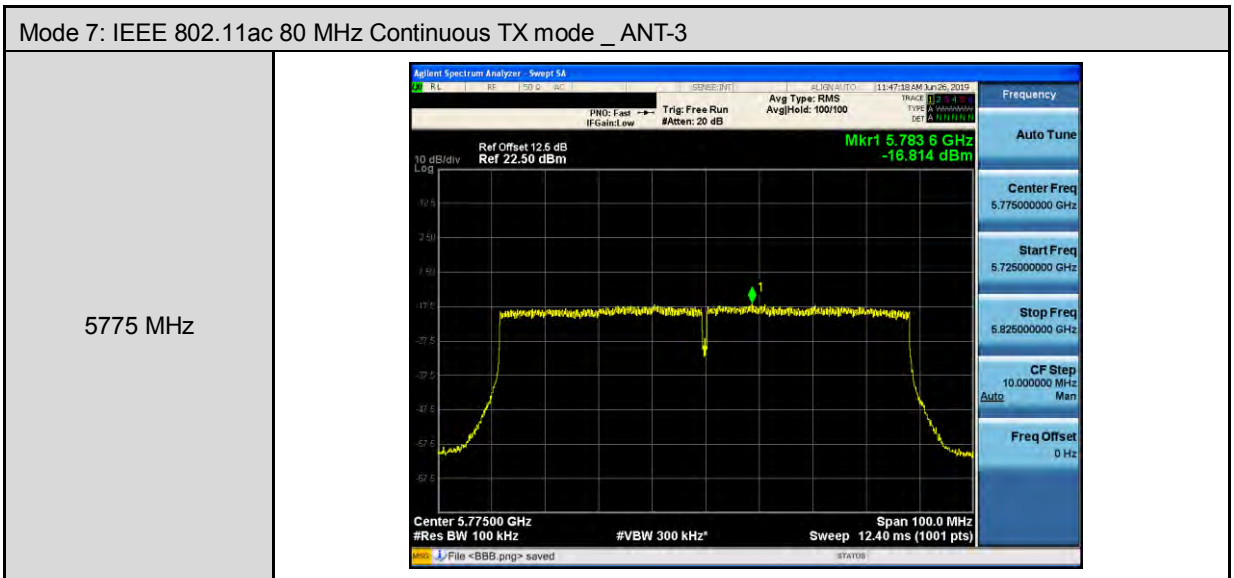
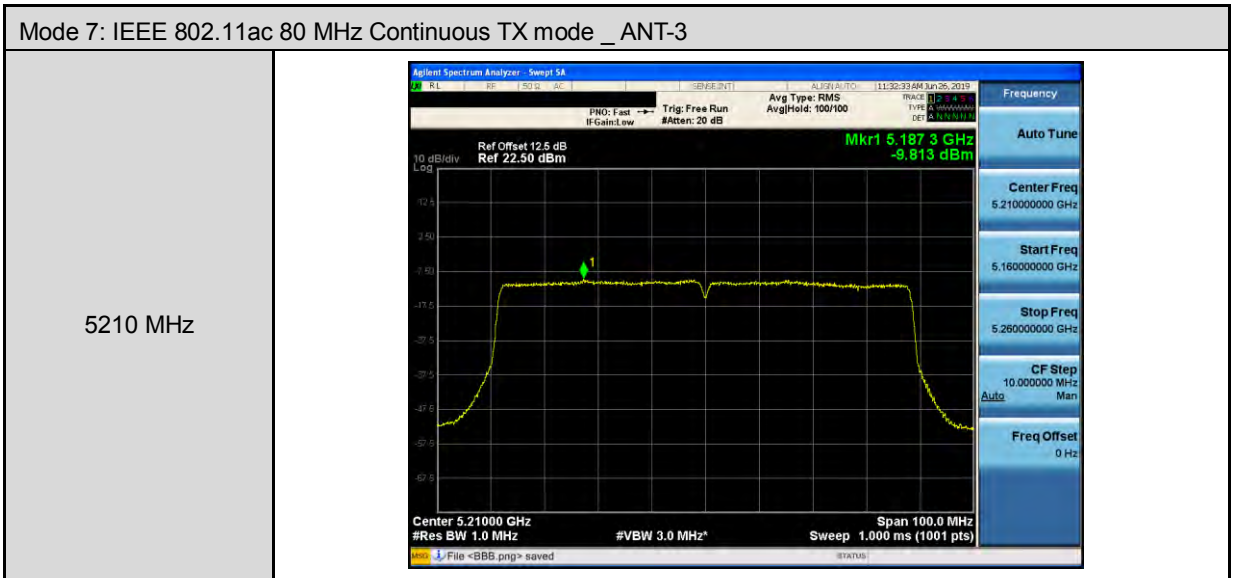
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-3	
5180 MHz	<p>Agilent Spectrum Analyzer: Sweep 14 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS Avg/Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.180 93 GHz 0.497 dBm Center 5.18000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts) File «BBB.png» saved</p>
5200 MHz	<p>Agilent Spectrum Analyzer: Sweep 14 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS Avg/Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.198 80 GHz 0.523 dBm Center 5.20000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts) File «BBB.png» saved</p>
5240 MHz	<p>Agilent Spectrum Analyzer: Sweep 14 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS Avg/Hold: 100/100 Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.238 56 GHz 0.335 dBm Center 5.24000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts) File «BBB.png» saved</p>



Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-3	
5745 MHz	
5785 MHz	
5825 MHz	







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