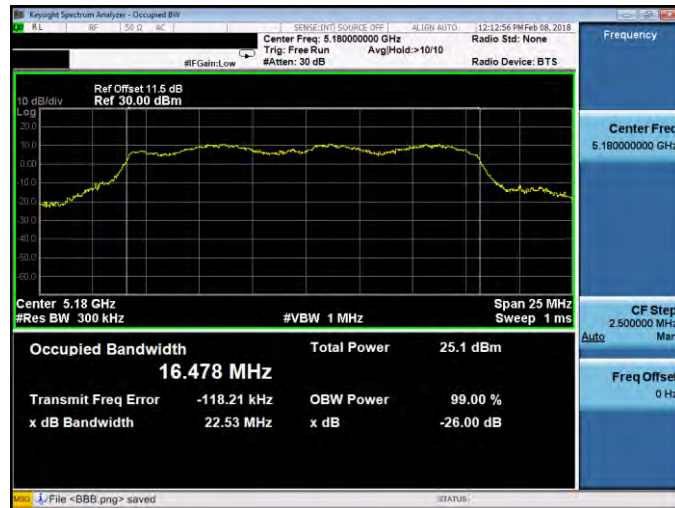




Test Graphs

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

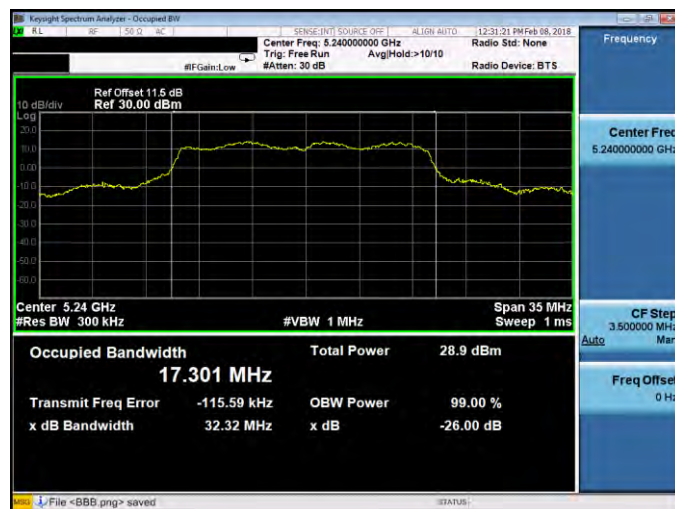
5180 MHz



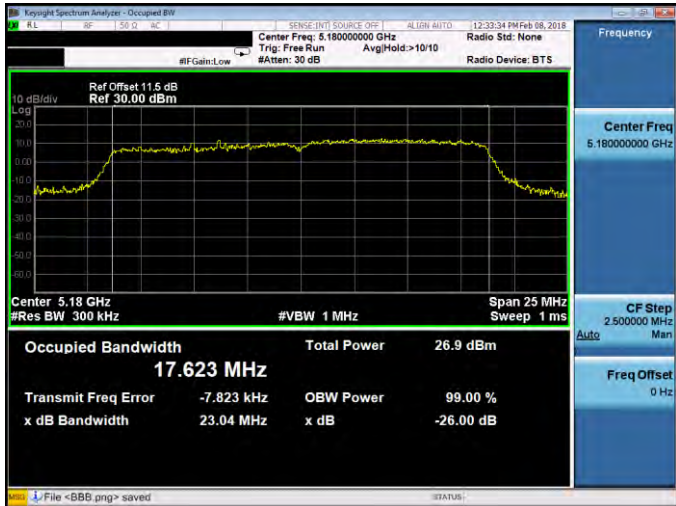
5200 MHz



5240 MHz



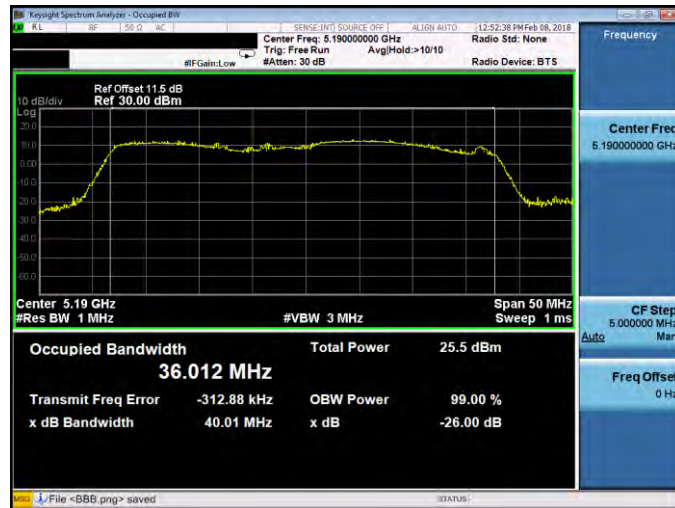


Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ ANT-0													
5180 MHz	 Center Freq: 5.18000000 GHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref Offset 11.5 dB Ref 30.00 dBm Center 5.18 GHz #Res BW 300 kHz #VBW 1 MHz Span 25 MHz Sweep 1 ms <table><tr><td>Occupied Bandwidth</td><td>Total Power</td></tr><tr><td>17.623 MHz</td><td>26.9 dBm</td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td></tr><tr><td>-7.823 kHz</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>x dB</td></tr><tr><td>23.04 MHz</td><td>-26.00 dB</td></tr></table> File <555.png> saved	Occupied Bandwidth	Total Power	17.623 MHz	26.9 dBm	Transmit Freq Error	OBW Power	-7.823 kHz	99.00 %	x dB Bandwidth	x dB	23.04 MHz	-26.00 dB
Occupied Bandwidth	Total Power												
17.623 MHz	26.9 dBm												
Transmit Freq Error	OBW Power												
-7.823 kHz	99.00 %												
x dB Bandwidth	x dB												
23.04 MHz	-26.00 dB												
5200 MHz	 Center Freq: 5.20000000 GHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref Offset 11.5 dB Ref 30.00 dBm Center 5.2 GHz #Res BW 300 kHz #VBW 1 MHz Span 45 MHz Sweep 1 ms <table><tr><td>Occupied Bandwidth</td><td>Total Power</td></tr><tr><td>18.985 MHz</td><td>29.3 dBm</td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td></tr><tr><td>-41.569 kHz</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>x dB</td></tr><tr><td>40.65 MHz</td><td>-26.00 dB</td></tr></table> File <555.png> saved	Occupied Bandwidth	Total Power	18.985 MHz	29.3 dBm	Transmit Freq Error	OBW Power	-41.569 kHz	99.00 %	x dB Bandwidth	x dB	40.65 MHz	-26.00 dB
Occupied Bandwidth	Total Power												
18.985 MHz	29.3 dBm												
Transmit Freq Error	OBW Power												
-41.569 kHz	99.00 %												
x dB Bandwidth	x dB												
40.65 MHz	-26.00 dB												
5240 MHz	 Center Freq: 5.24000000 GHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref Offset 11.5 dB Ref 30.00 dBm Center 5.24 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms <table><tr><td>Occupied Bandwidth</td><td>Total Power</td></tr><tr><td>18.587 MHz</td><td>29.0 dBm</td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td></tr><tr><td>711 Hz</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>x dB</td></tr><tr><td>37.86 MHz</td><td>-26.00 dB</td></tr></table> File <555.png> saved	Occupied Bandwidth	Total Power	18.587 MHz	29.0 dBm	Transmit Freq Error	OBW Power	711 Hz	99.00 %	x dB Bandwidth	x dB	37.86 MHz	-26.00 dB
Occupied Bandwidth	Total Power												
18.587 MHz	29.0 dBm												
Transmit Freq Error	OBW Power												
711 Hz	99.00 %												
x dB Bandwidth	x dB												
37.86 MHz	-26.00 dB												



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

5190 MHz



5230 MHz

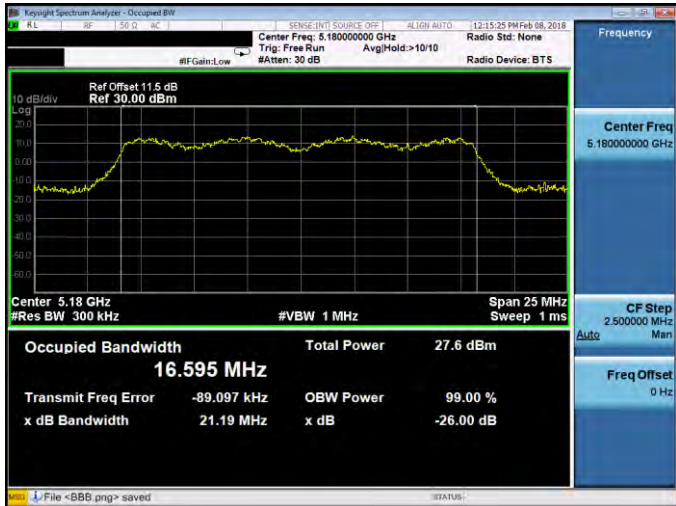


Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ ANT-0

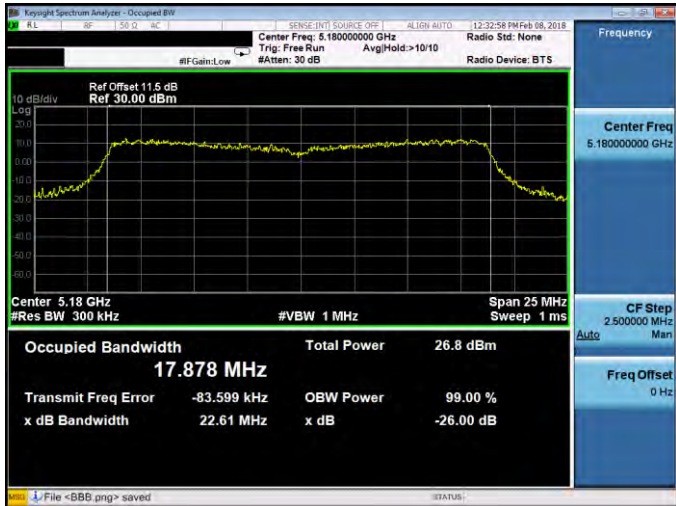
5210 MHz





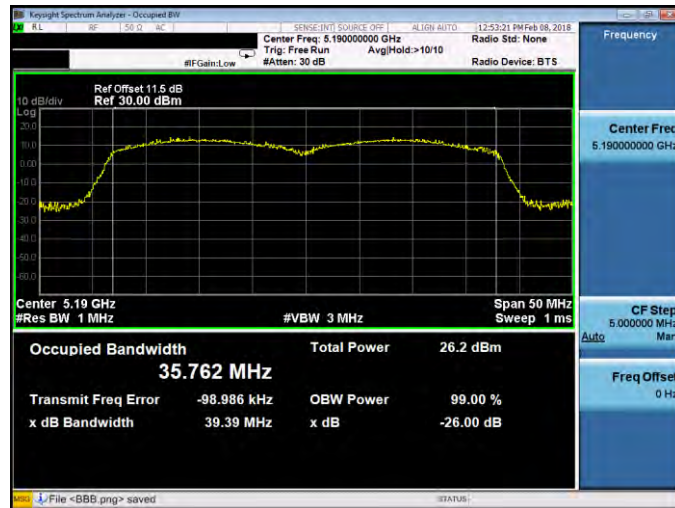
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	



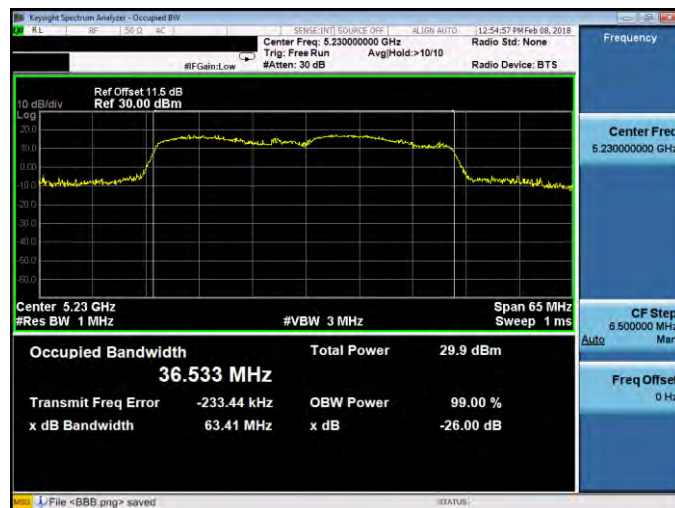
Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

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

5190 MHz



5230 MHz



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

5210 MHz

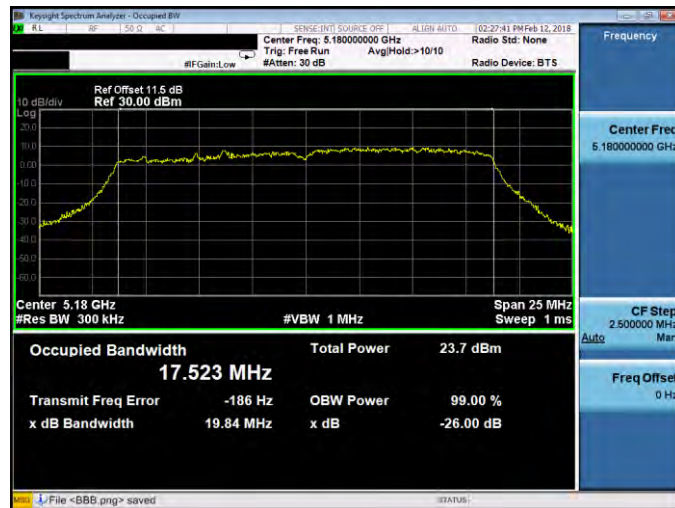




Beamforming on

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

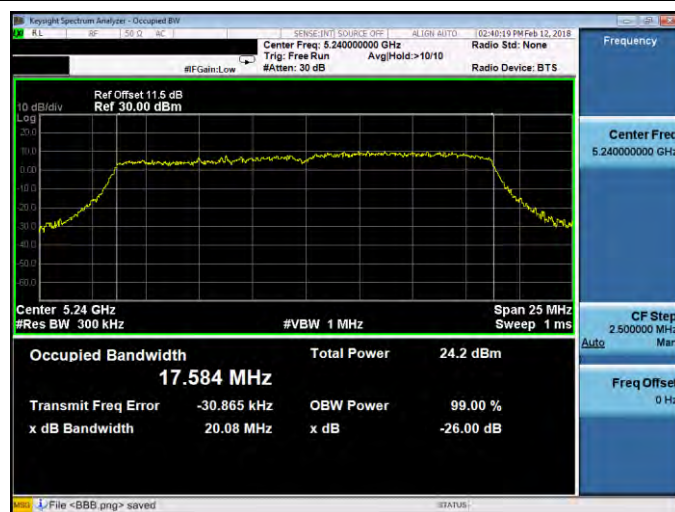
5180 MHz



5200 MHz

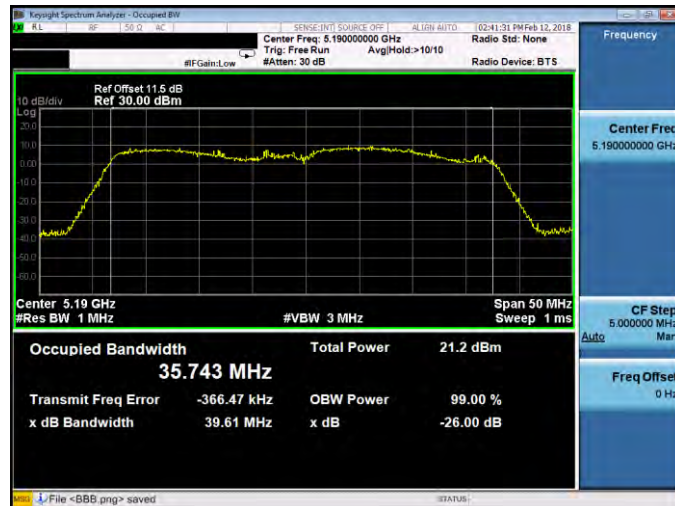


5240 MHz



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

5190 MHz



5230 MHz

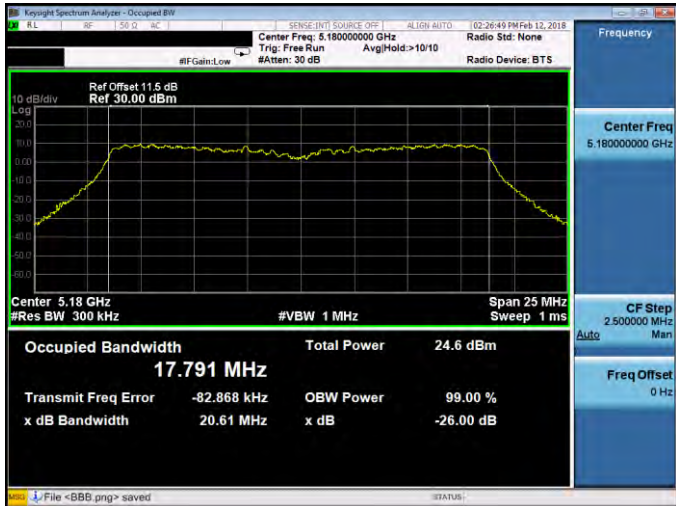
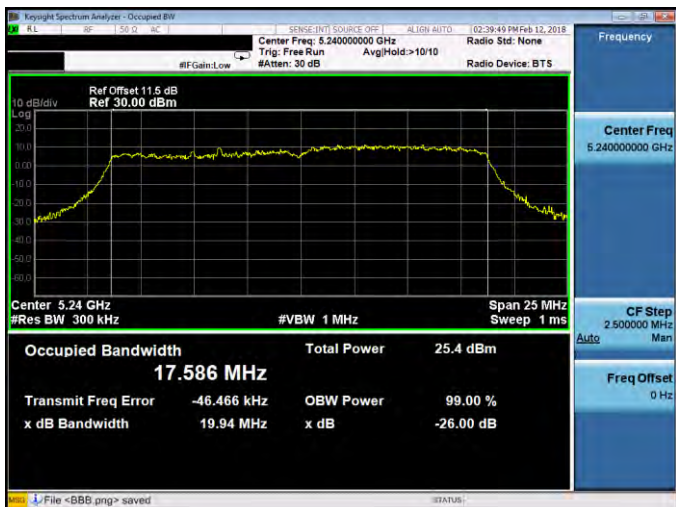


Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ ANT-0

5210 MHz



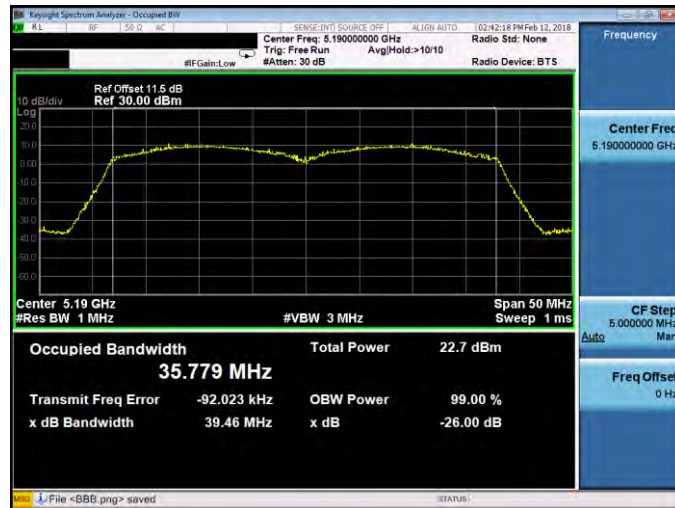


Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

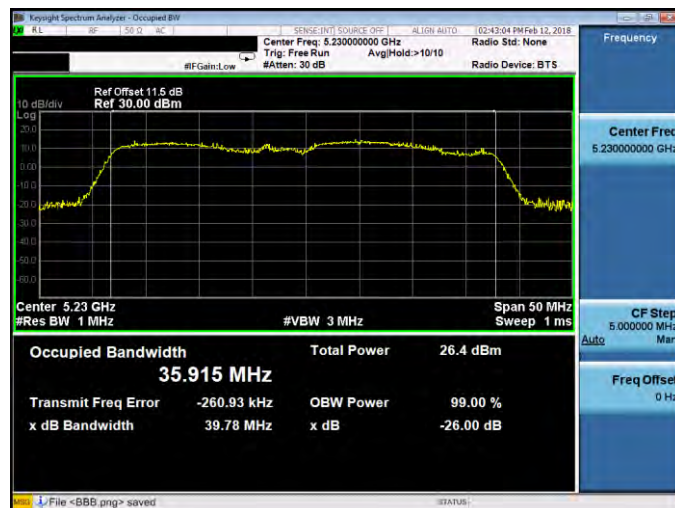


Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ ANT-1

5190 MHz

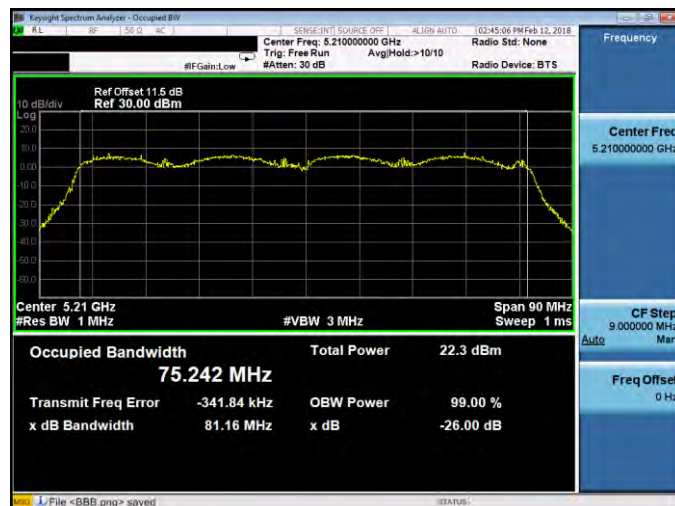


5230 MHz



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

5210 MHz





6 dB RF Bandwidth Measurement

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5745	16320	16370	≥ 500
5785	15720	16340	≥ 500
5825	16320	15730	≥ 500

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5745	17160	17610	≥ 500
5785	17140	16940	≥ 500
5825	17580	16340	≥ 500

Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5755	35740	35170	≥ 500
5795	35720	35670	≥ 500

Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5775	75820	75790	≥ 500



Beamforming on

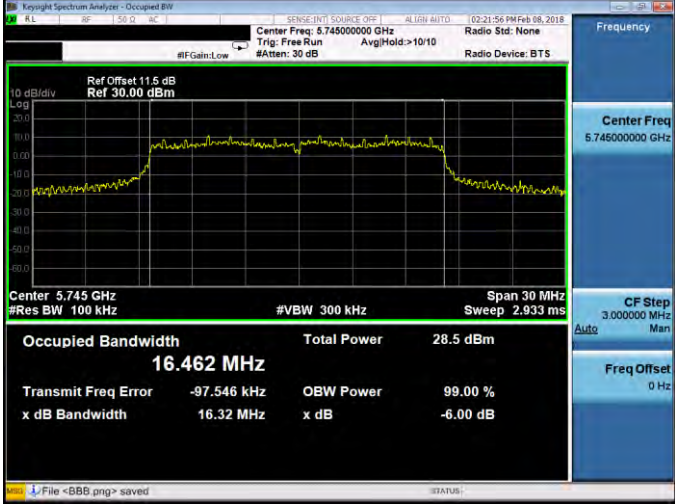
Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5745	17180	17640	≥ 500
5785	17290	16900	≥ 500
5825	17600	17550	≥ 500

Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5755	35690	33890	≥ 500
5795	35460	35740	≥ 500

Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5775	75770	75500	≥ 500

■ Test Graphs

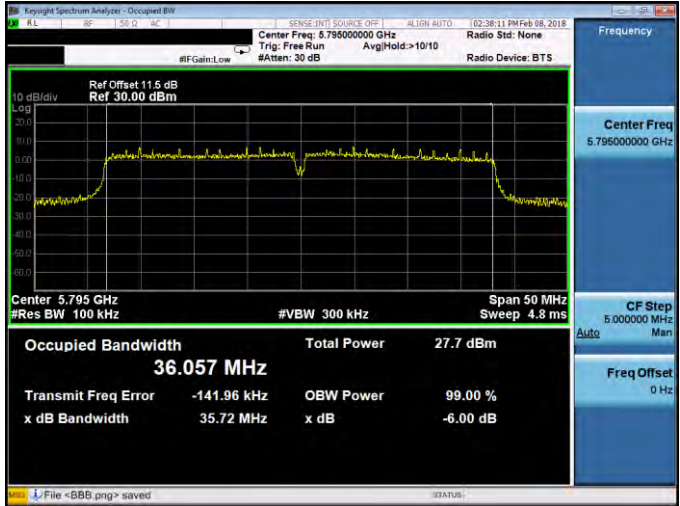
Mode 2: IEEE 802.11a Continuous TX mode_ANT-0

5745 MHz	 Center Freq: 5.745 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 30 MHz Sweep: 2.933 ms Occupied Bandwidth: 16.462 MHz Total Power: 28.5 dBm Transmit Freq Error: -97.546 kHz OBW Power: 99.00 % x dB Bandwidth: 16.32 MHz x dB: -6.00 dB Radio Device: BTS
5785 MHz	 Center Freq: 5.785 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 30 MHz Sweep: 2.933 ms Occupied Bandwidth: 16.451 MHz Total Power: 28.0 dBm Transmit Freq Error: -103.11 kHz OBW Power: 99.00 % x dB Bandwidth: 15.72 MHz x dB: -6.00 dB Radio Device: BTS
5825 MHz	 Center Freq: 5.825 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 30 MHz Sweep: 2.933 ms Occupied Bandwidth: 16.450 MHz Total Power: 27.5 dBm Transmit Freq Error: -113.75 kHz OBW Power: 99.00 % x dB Bandwidth: 16.32 MHz x dB: -6.00 dB Radio Device: BTS

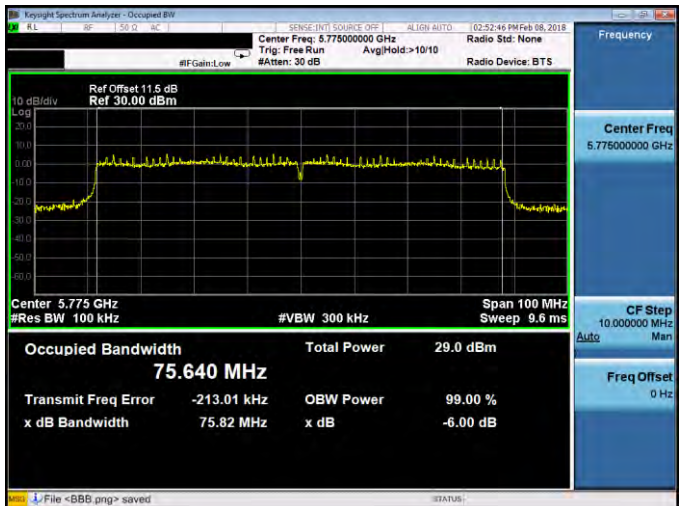
Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ANT-0	
5745 MHz	 Center Freq: 5.745 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 30 MHz Sweep: 2.933 ms Occupied Bandwidth: 17.790 MHz Total Power: 29.4 dBm Transmit Freq Error: -55.609 kHz OBW Power: 99.00 % x dB Bandwidth: 17.16 MHz x dB: -6.00 dB
5785 MHz	 Center Freq: 5.785 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 30 MHz Sweep: 2.933 ms Occupied Bandwidth: 17.773 MHz Total Power: 29.5 dBm Transmit Freq Error: -83.789 kHz OBW Power: 99.00 % x dB Bandwidth: 17.14 MHz x dB: -6.00 dB
5825 MHz	 Center Freq: 5.825 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 30 MHz Sweep: 2.933 ms Occupied Bandwidth: 17.837 MHz Total Power: 28.6 dBm Transmit Freq Error: -79.051 kHz OBW Power: 99.00 % x dB Bandwidth: 17.58 MHz x dB: -6.00 dB



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

5755 MHz	 Center Freq: 5.755 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 50 MHz Sweep: 4.8 ms Occupied Bandwidth: 35.986 MHz Total Power: 27.9 dBm Transmit Freq Error: -163.24 kHz OBW Power: 99.00 % x dB Bandwidth: 35.74 MHz x dB: -6.00 dB
5795 MHz	 Center Freq: 5.795 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 50 MHz Sweep: 4.8 ms Occupied Bandwidth: 36.057 MHz Total Power: 27.7 dBm Transmit Freq Error: -141.96 kHz OBW Power: 99.00 % x dB Bandwidth: 35.72 MHz x dB: -6.00 dB

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

5775 MHz	 Center Freq: 5.775 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 100 MHz Sweep: 9.6 ms Occupied Bandwidth: 75.640 MHz Total Power: 29.0 dBm Transmit Freq Error: -213.01 kHz OBW Power: 99.00 % x dB Bandwidth: 75.82 MHz x dB: -6.00 dB
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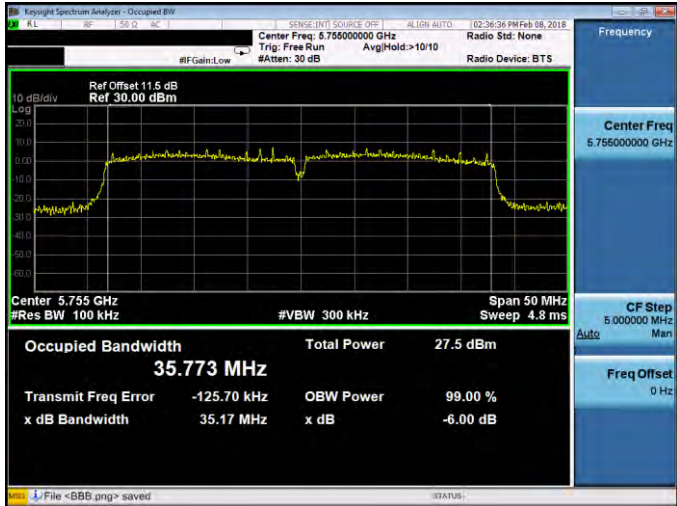
Mode 2: IEEE 802.11a Continuous TX mode_ANT-1	
5745 MHz	
5785 MHz	
5825 MHz	



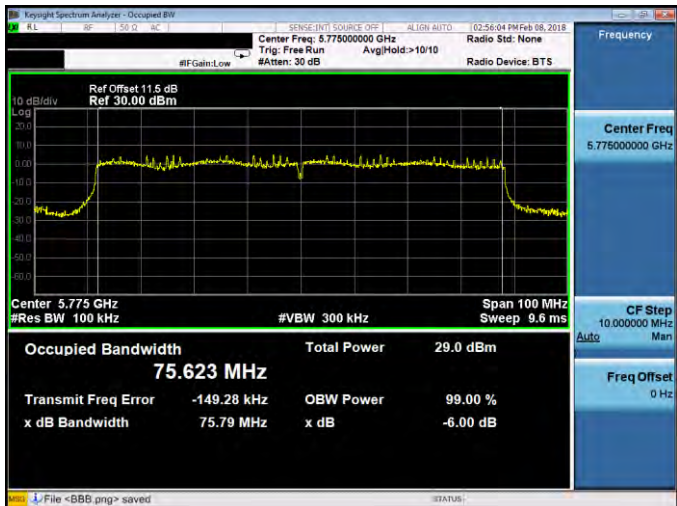
Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ANT-1	
5745 MHz	
5785 MHz	
5825 MHz	



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

5755 MHz	
5795 MHz	

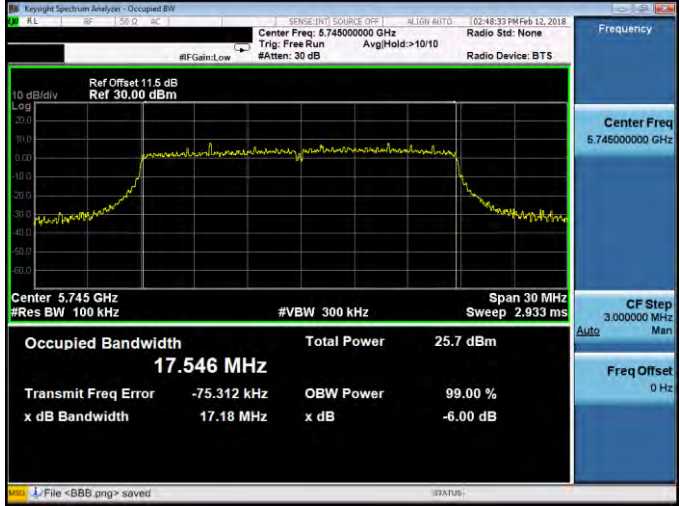
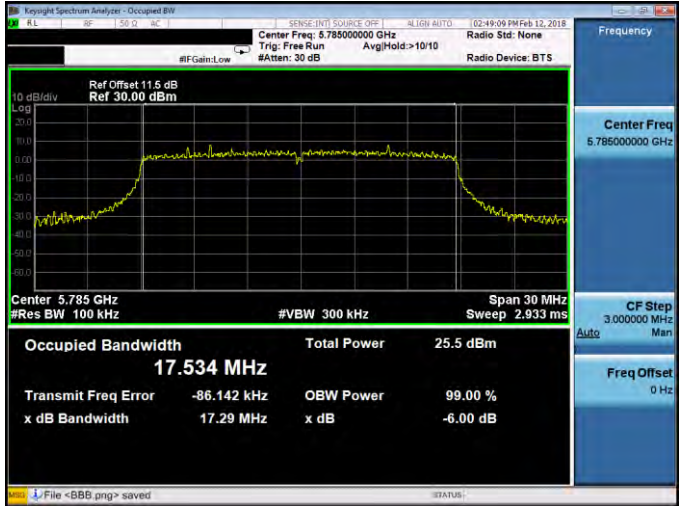
Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ANT-1

5775 MHz	
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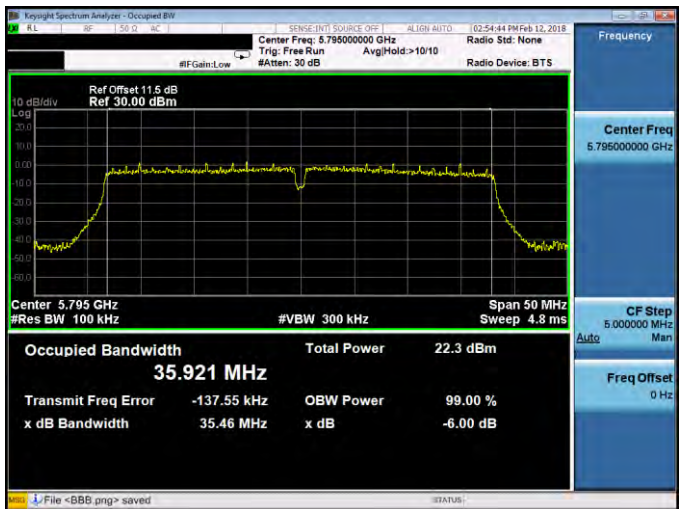
Beamforming on

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

5745 MHz	 Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms Ref Offset 11.5 dB Ref 30.00 dBm Occupied Bandwidth 17.546 MHz Total Power 25.7 dBm Transmit Freq Error -75.312 kHz OBW Power 99.00 % x dB Bandwidth 17.18 MHz x dB -6.00 dB
5785 MHz	 Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms Ref Offset 11.5 dB Ref 30.00 dBm Occupied Bandwidth 17.534 MHz Total Power 25.5 dBm Transmit Freq Error -86.142 kHz OBW Power 99.00 % x dB Bandwidth 17.29 MHz x dB -6.00 dB
5825 MHz	 Center 5.825 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms Ref Offset 11.5 dB Ref 30.00 dBm Occupied Bandwidth 17.561 MHz Total Power 23.9 dBm Transmit Freq Error -88.460 kHz OBW Power 99.00 % x dB Bandwidth 17.60 MHz x dB -6.00 dB



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

5755 MHz	
5795 MHz	

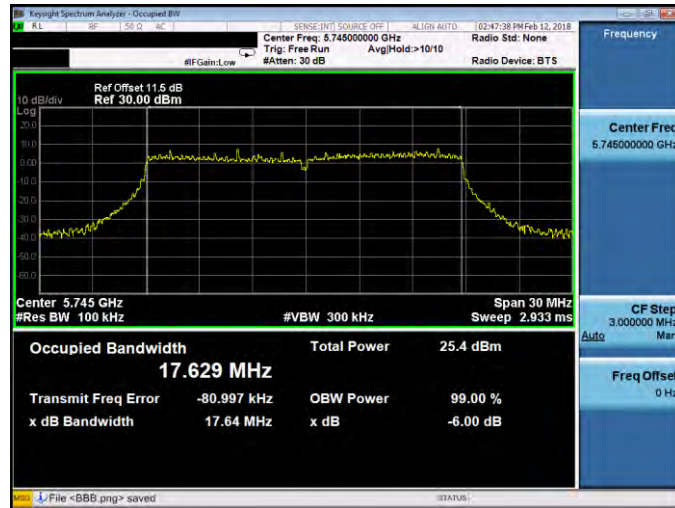
Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ANT-0

5775 MHz	
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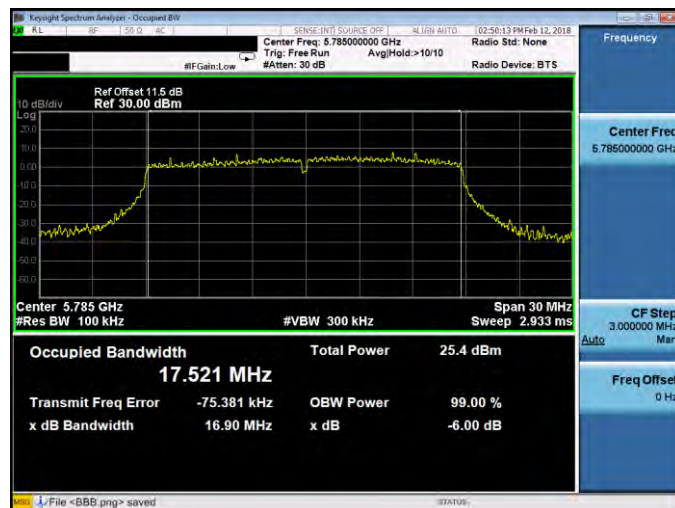


Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ANT-1

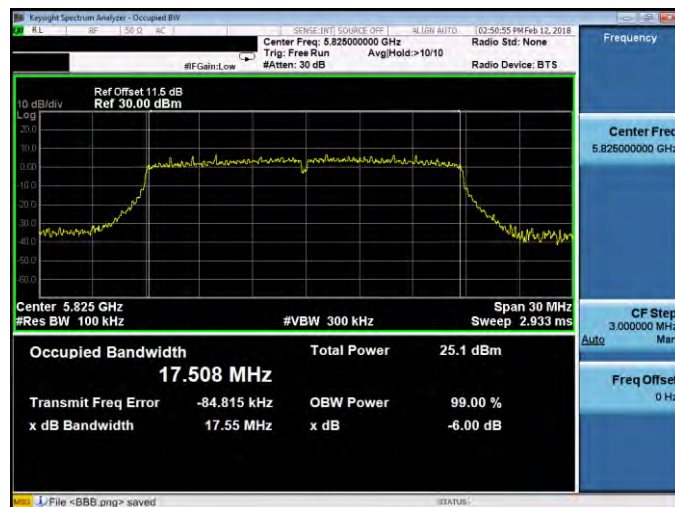
5745 MHz



5785 MHz

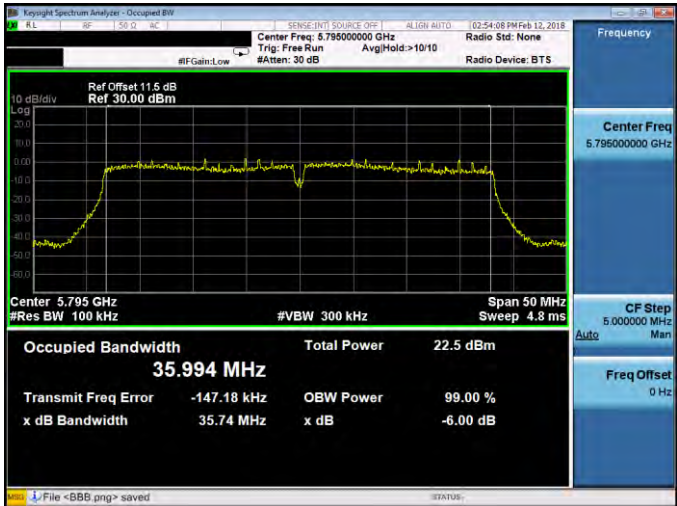


5825 MHz

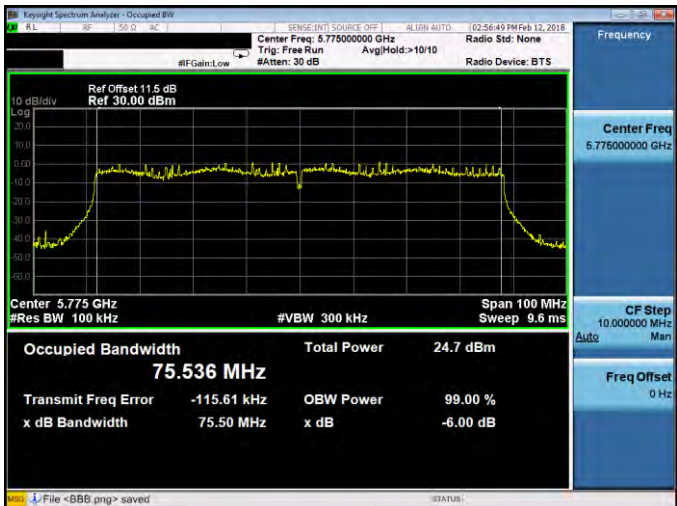




Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ANT-1

5755 MHz	
5795 MHz	

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

5775 MHz	
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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	10.281	0.105	10.386	< 15.05
5200	11.434	0.105	11.539	
5240	10.894	0.105	10.999	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	10.677	0.105	10.782	< 15.05
5200	11.620	0.105	11.725	
5240	11.785	0.105	11.890	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180	13.598			< 15.05
5200	14.643			
5240	14.477			

Note: Method SA-2, Power density = measured result + 10log(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/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5745	2.38	0.105	9.47	< 27.74
5785	1.81	0.105	8.91	
5825	1.78	0.105	8.88	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5745	2.04	0.105	9.14	< 27.74
5785	2.22	0.105	9.32	
5825	1.94	0.105	9.04	
Frequency (MHz)	ANT-0+1			Limit (dBm/500KHz)
	Calculated (dBm/500KHz)			
5745	12.32			< 27.74
5785	12.13			
5825	11.97			

Note: Method SA-2, Power density = measured result + 10log(1/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	10.366	0.039	10.405	< 15.05
5200	11.507	0.039	11.546	
5240	10.601	0.039	10.640	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	9.832	0.039	9.871	< 15.05
5200	11.813	0.039	11.852	
5240	11.567	0.039	11.606	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180	13.156			< 15.05
5200	14.712			
5240	14.160			

Note: Method SA-2, Power density = measured result + 10log(1/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	2.69	0.039	9.72	< 27.74
5785	2.61	0.039	9.64	
5825	1.90	0.039	8.93	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5745	2.66	0.039	9.69	< 27.74
5785	2.64	0.039	9.67	
5825	2.49	0.039	9.52	
Frequency (MHz)	ANT-0+1			Limit (dBm/500KHz)
	Calculated (dBm/500KHz)			
5745	12.71			< 27.74
5785	12.67			
5825	12.25			

Note: Method SA-2, Power density = measured result + 10log(1/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	4.973	0.106	5.079	< 15.05
5230	8.255	0.106	8.361	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	5.355	0.106	5.461	< 15.05
5230	8.856	0.106	8.962	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5190	8.284			< 15.05
5230	11.682			

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	-1.39	0.106	5.71	< 27.74
5795	-1.59	0.106	5.51	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5755	-1.70	0.106	5.39	< 27.74
5795	-1.56	0.106	5.54	
Frequency (MHz)	ANT-0+1			Limit (dBm/500KHz)
	Calculated (dBm/500KHz)			
5755	8.56			< 27.74
5795	8.53			

Note: Method SA-2, Power density = measured result + 10log(1/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	1.527	0.240	1.767	< 15.05
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	1.678	0.240	1.918	< 15.05
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5210	4.853			< 15.05

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	-4.45	0.240	2.78	< 27.74
Frequency (MHz)	ANT-1			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5775	-4.46	0.240	2.77	< 27.74
Frequency (MHz)	ANT-0+1			Limit (dBm/500KHz)
	Calculated (dBm/500KHz)			
5775	5.79			< 27.74

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

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



Beamforming on

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	6.709	0.039	6.748	< 15.05
5200	7.790	0.039	7.829	
5240	7.187	0.039	7.226	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	6.752	0.039	6.791	< 15.05
5200	8.159	0.039	8.198	
5240	8.269	0.039	8.308	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180	9.780			< 15.05
5200	11.028			
5240	10.811			

Note: Method SA-2, Power density = measured result + 10log(1/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	-1.12	0.039	5.91	< 27.74
5785	-1.15	0.039	5.88	
5825	-1.49	0.039	5.54	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5745	-0.86	0.039	6.17	< 27.74
5785	-0.57	0.039	6.46	
5825	-1.06	0.039	5.97	
Frequency (MHz)	ANT-0+1			Limit (dBm/500KHz)
	Calculated (dBm/500KHz)			
5745	9.05			< 27.74
5785	9.19			
5825	8.77			

Note: Method SA-2, Power density = measured result + 10log(1/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	1.737	0.106	1.843	< 15.05
5230	4.620	0.106	4.726	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	2.279	0.106	2.385	< 15.05
5230	5.529	0.106	5.635	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5190	5.133			< 15.05
5230	8.214			

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	-4.26	0.106	2.84	< 27.74
5795	-4.51	0.106	2.59	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5755	-4.61	0.106	2.49	< 27.74
5795	-4.76	0.106	2.34	
Frequency (MHz)	ANT-0+1			Limit (dBm/500KHz)
	Calculated (dBm/500KHz)			
5755	5.68			< 27.74
5795	5.48			

Note: Method SA-2, Power density = measured result + 10log(1/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	-2.180	0.240	-1.940	< 15.05
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-1.842	0.240	-1.602	< 15.05
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5210	-3.482			< 15.05

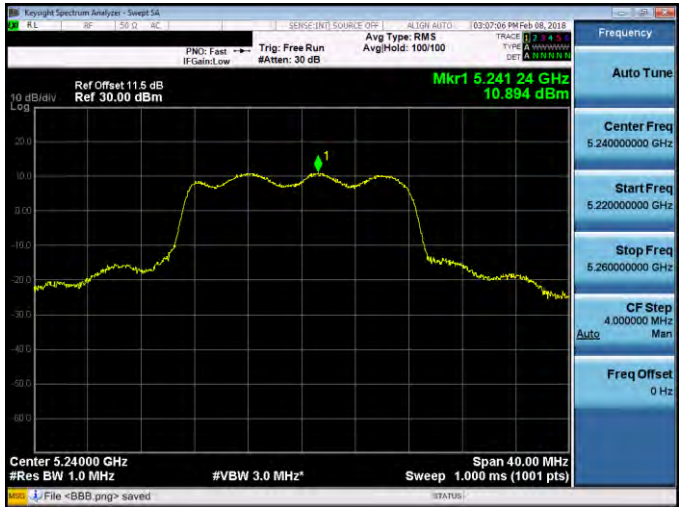
Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

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	-7.65	0.240	-0.42	< 27.74
Frequency (MHz)	ANT-1			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5775	-7.58	0.240	-0.35	< 27.74
Frequency (MHz)	ANT-0+1			Limit (dBm/500KHz)
	Calculated (dBm/500KHz)			
5775	2.62			< 27.74

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

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

Test Graphs

Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0	
5180 MHz	 Keygraph Spectrum Analyzer - Sweep SA Ref Offset 11.5 dB Ref 30.00 dBm Mkr1 5.17556 GHz 10.281 dBm Center 5.18000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 40.00 MHz Sweep 1.000 ms (1001 pts) File <BBB.png> saved
5200 MHz	 Keygraph Spectrum Analyzer - Sweep SA Ref Offset 11.5 dB Ref 30.00 dBm Mkr1 5.20564 GHz 11.434 dBm Center 5.20000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 40.00 MHz Sweep 1.000 ms (1001 pts) File <BBB.png> saved
5240 MHz	 Keygraph Spectrum Analyzer - Sweep SA Ref Offset 11.5 dB Ref 30.00 dBm Mkr1 5.24124 GHz 10.894 dBm Center 5.24000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 40.00 MHz Sweep 1.000 ms (1001 pts) File <BBB.png> saved



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

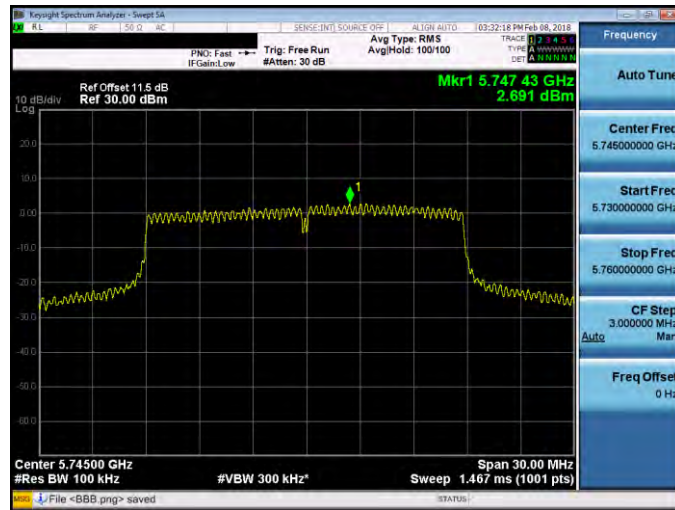


Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ANT-0	
5180 MHz	
5200 MHz	
5240 MHz	

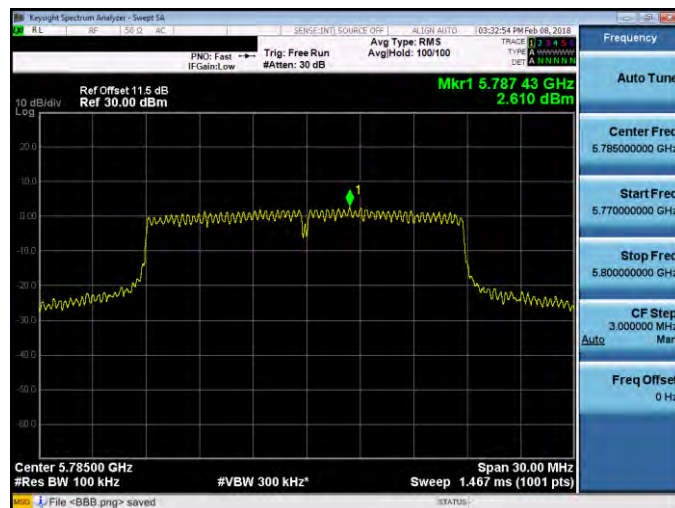


Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ANT-0

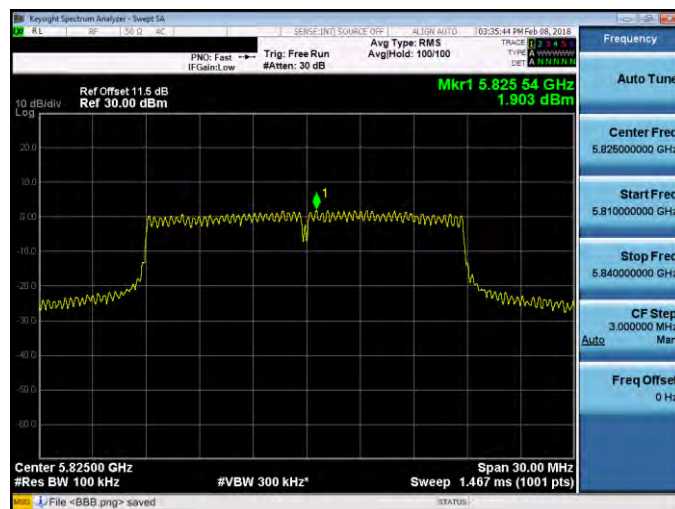
5745 MHz



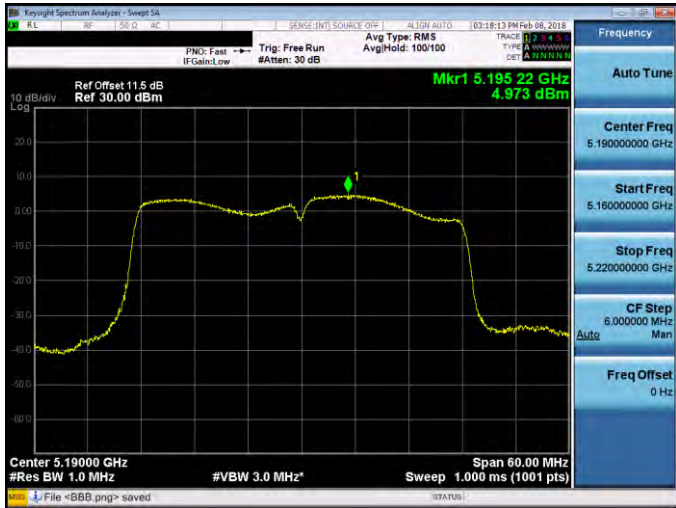
5785 MHz



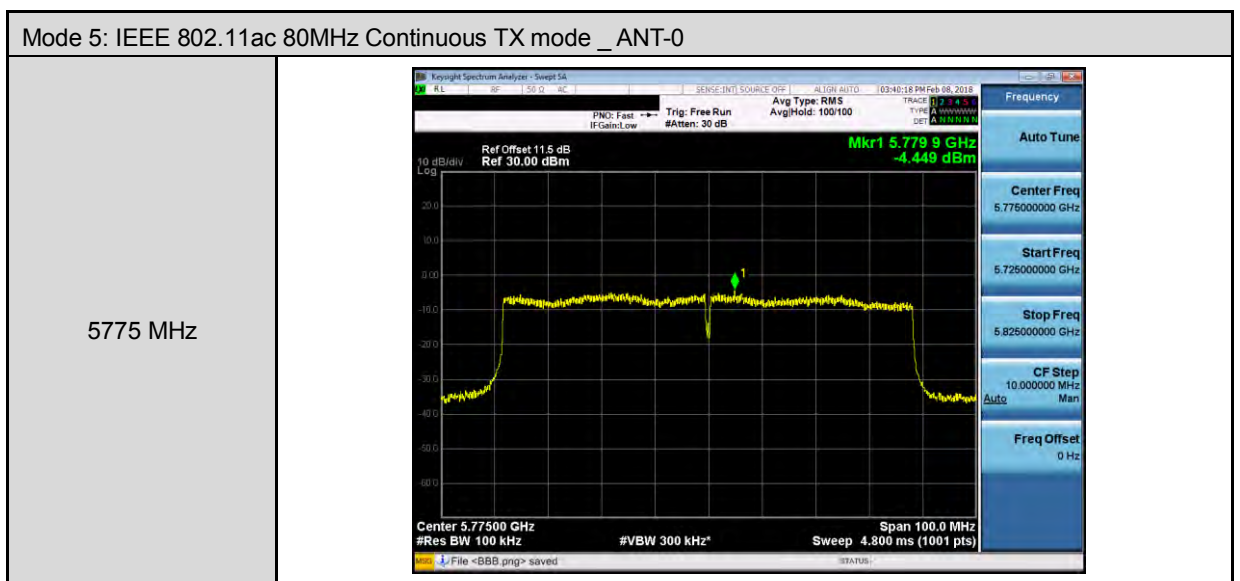
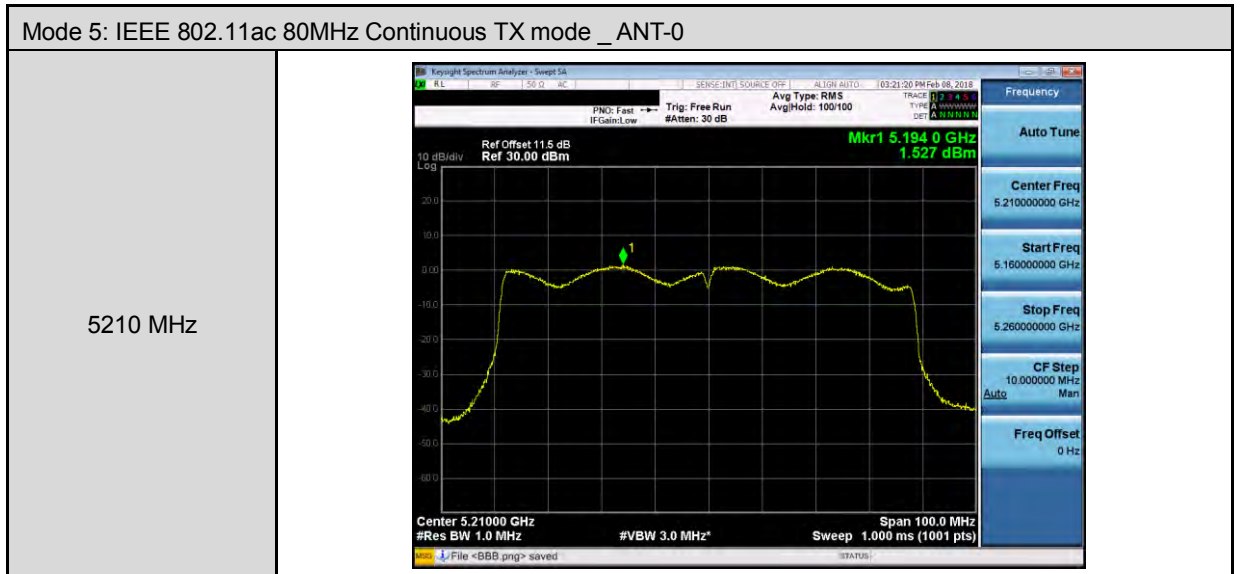
5825 MHz



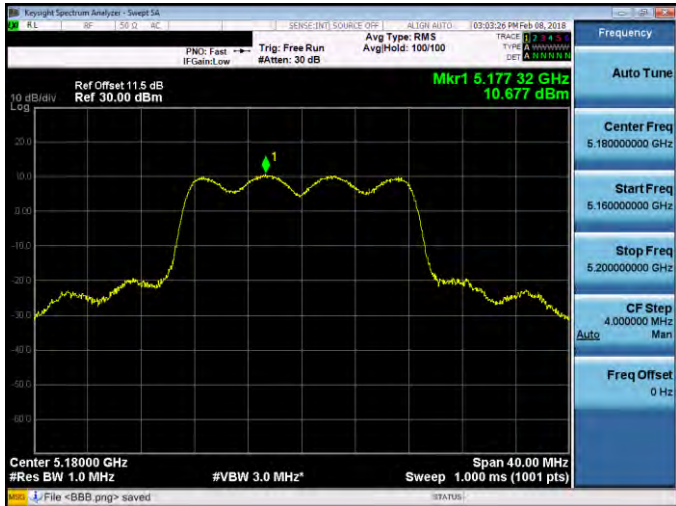
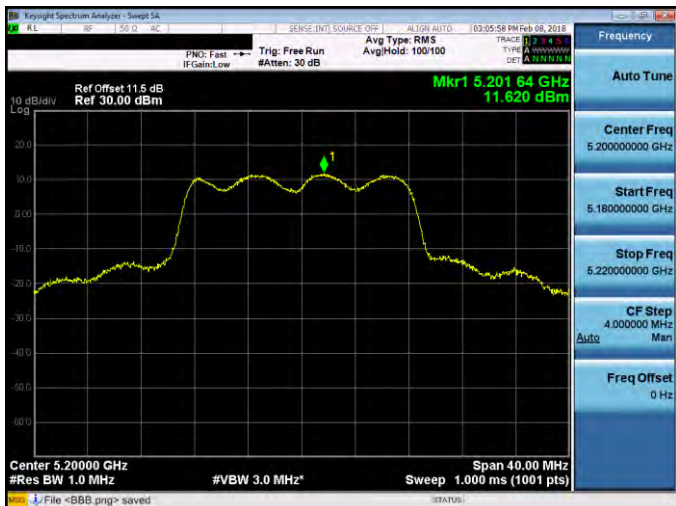
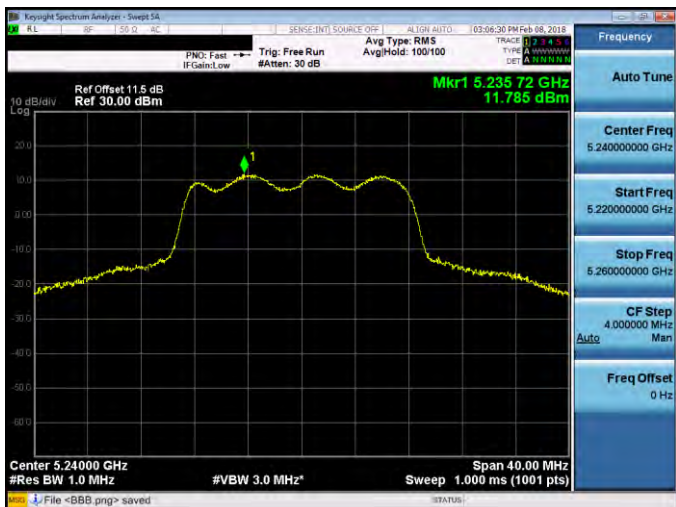


Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ ANT-0	
5190 MHz	
5230 MHz	

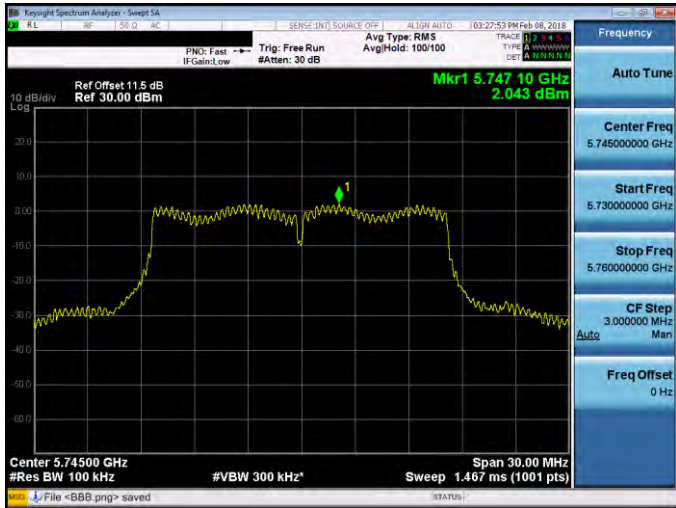
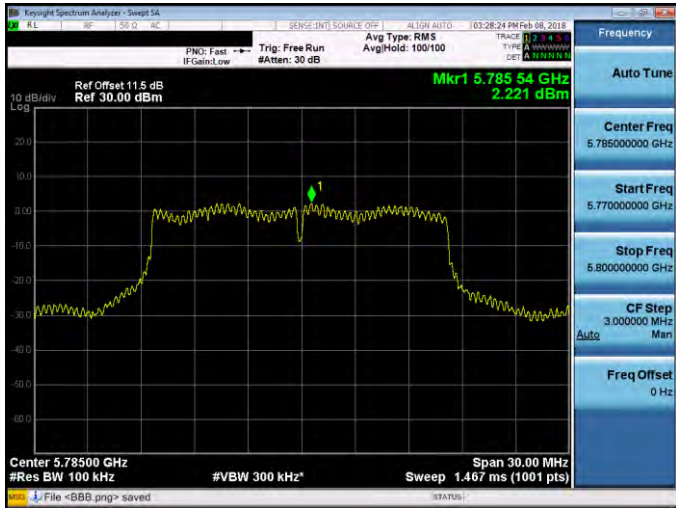
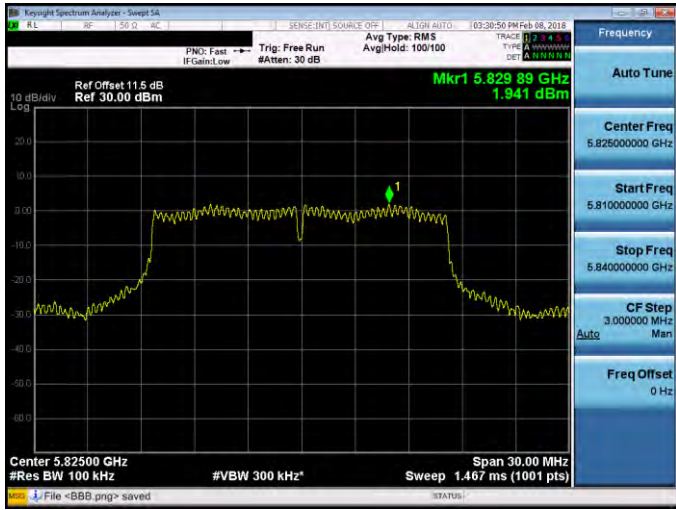






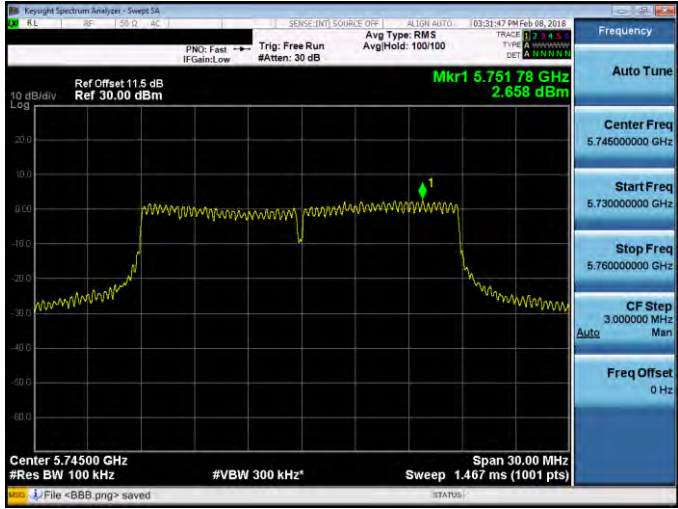
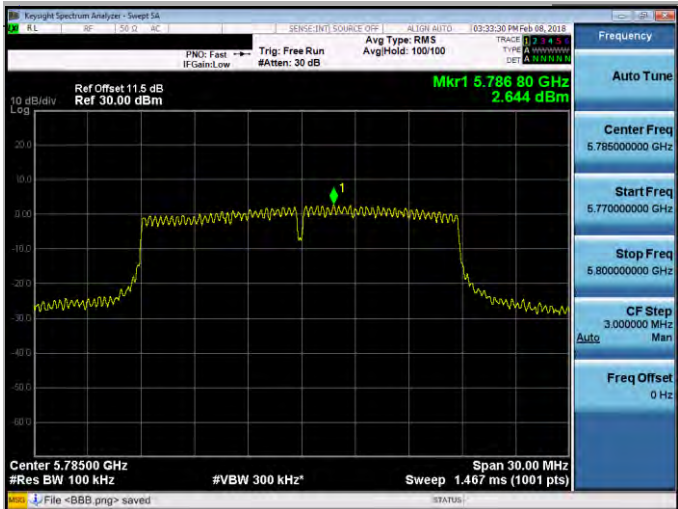
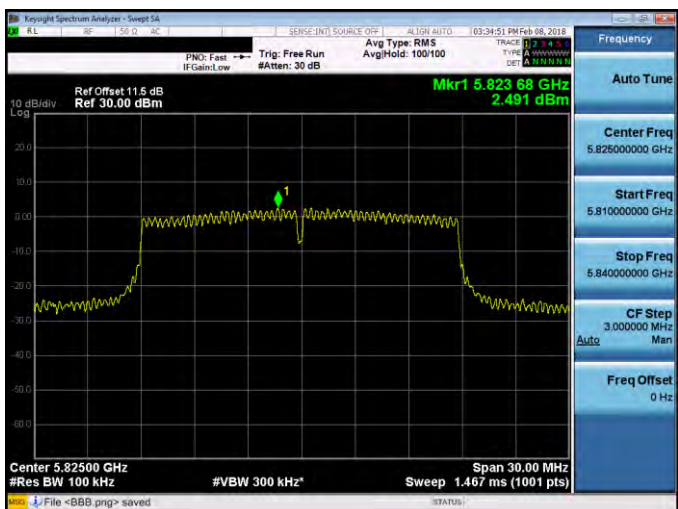
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	



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



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

Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ANT-1	
5745 MHz	 Key parameters for 5745 MHz: - Center Freq: 5.74500000 GHz - Start Freq: 5.73000000 GHz - Stop Freq: 5.76000000 GHz - CF Step: 3.000000 MHz - Freq Offset: 0 Hz - Center Freq: 5.74500 GHz - Span: 30.00 MHz - Res BW: 100 kHz - VBW: 300 kHz - Sweep: 1.467 ms (1001 pts)
5785 MHz	 Key parameters for 5785 MHz: - Center Freq: 5.78500000 GHz - Start Freq: 5.77000000 GHz - Stop Freq: 5.80000000 GHz - CF Step: 3.000000 MHz - Freq Offset: 0 Hz - Center Freq: 5.78500 GHz - Span: 30.00 MHz - Res BW: 100 kHz - VBW: 300 kHz - Sweep: 1.467 ms (1001 pts)
5825 MHz	 Key parameters for 5825 MHz: - Center Freq: 5.82500000 GHz - Start Freq: 5.81000000 GHz - Stop Freq: 5.84000000 GHz - CF Step: 3.000000 MHz - Freq Offset: 0 Hz - Center Freq: 5.82500 GHz - Span: 30.00 MHz - Res BW: 100 kHz - VBW: 300 kHz - Sweep: 1.467 ms (1001 pts)



Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ ANT-1	
5190 MHz	
5230 MHz	

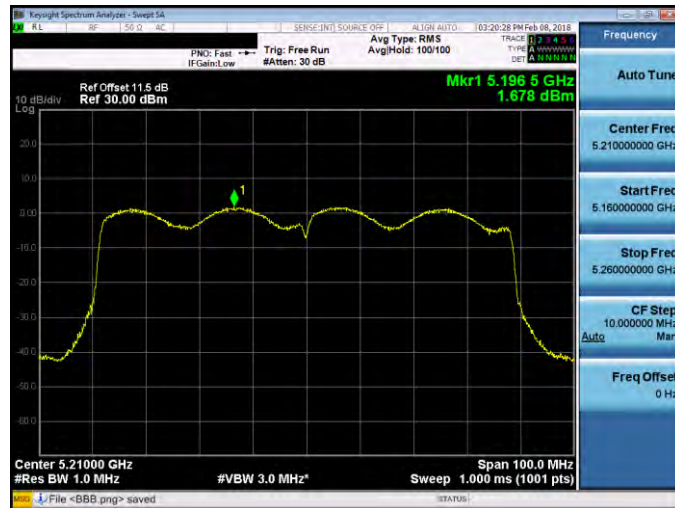


Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ ANT-1	
5755 MHz	
5795 MHz	



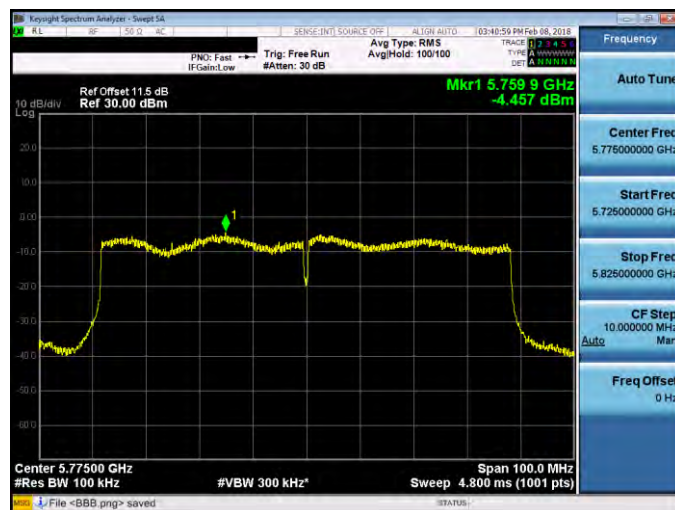
Mode 5: IEEE 802.11ac 80MHz Continuous TX mode _ANT-1

5210 MHz



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

5775 MHz

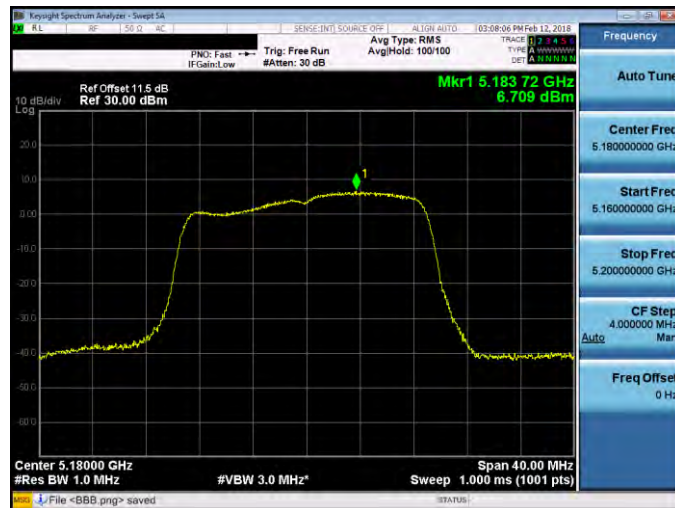




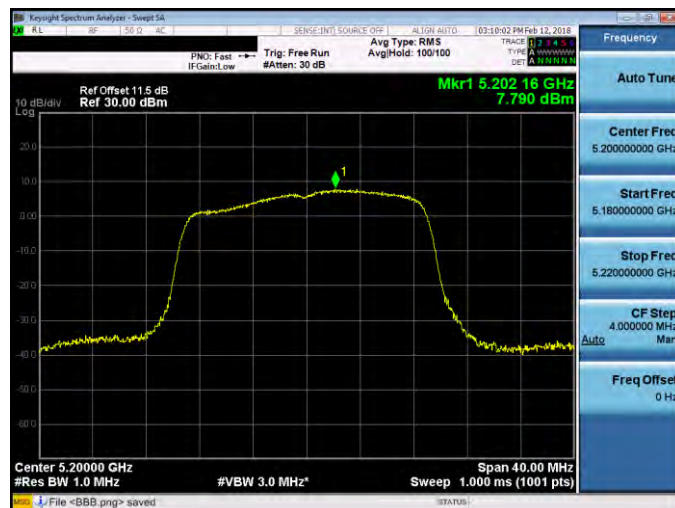
Beamforming on

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

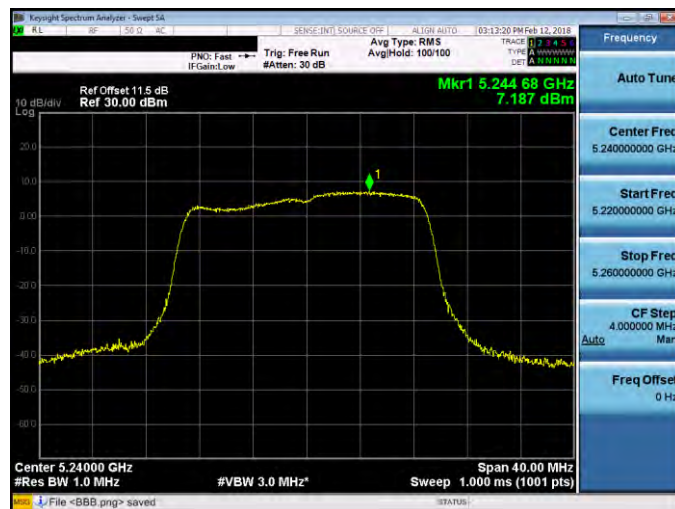
5180 MHz



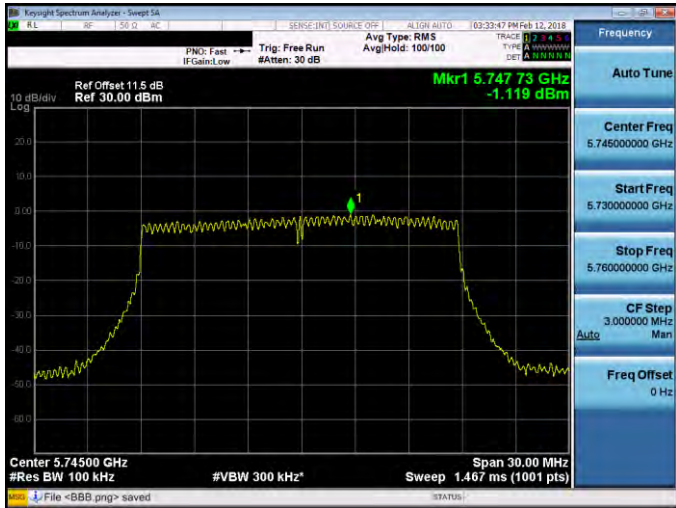
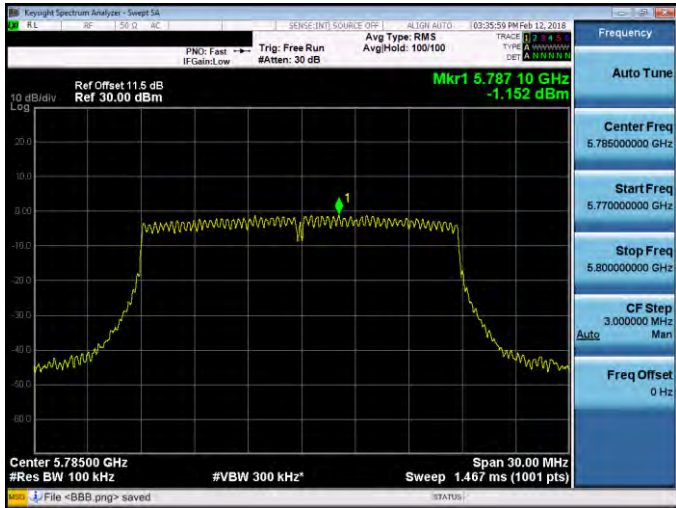
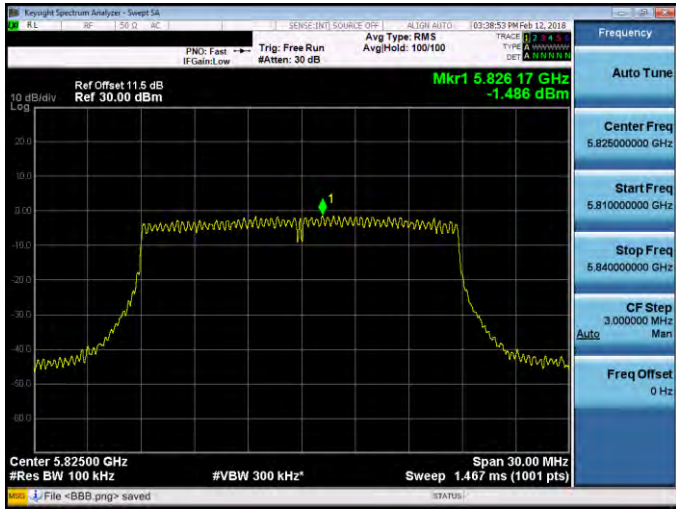
5200 MHz

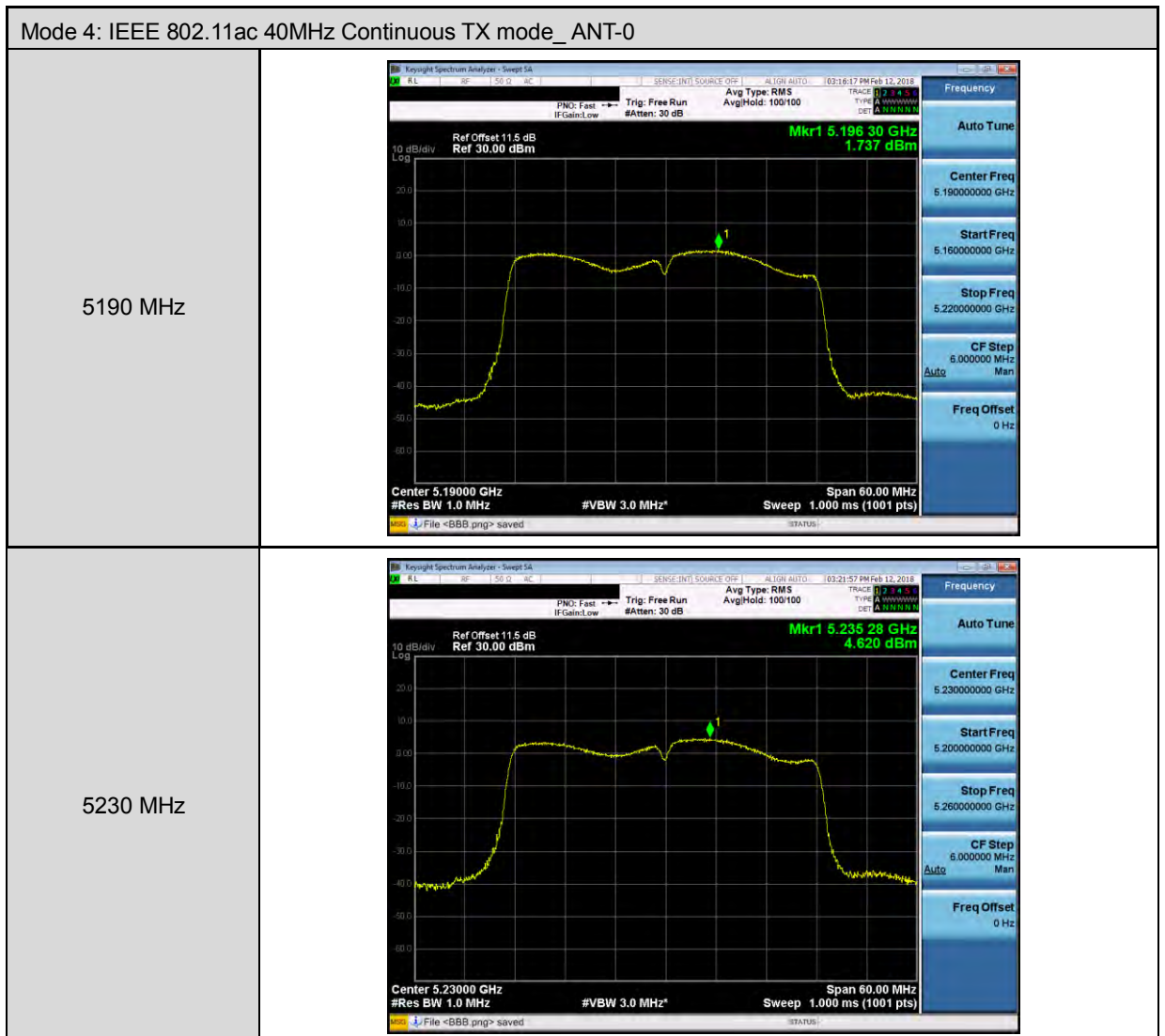


5240 MHz

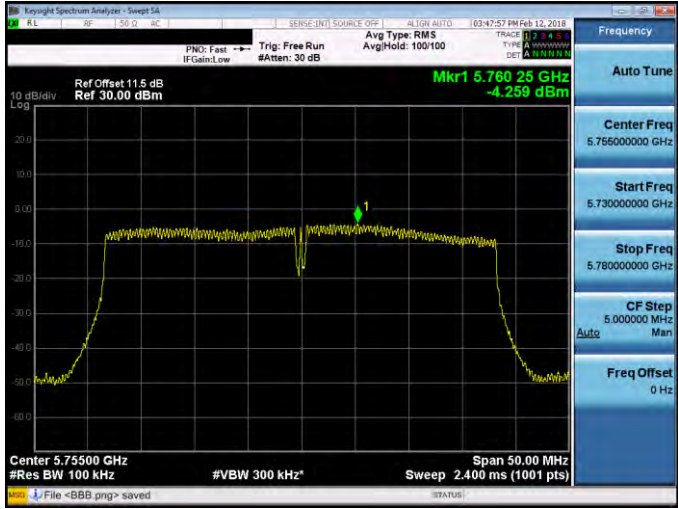




Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ANT-0	
5745 MHz	
5785 MHz	
5825 MHz	



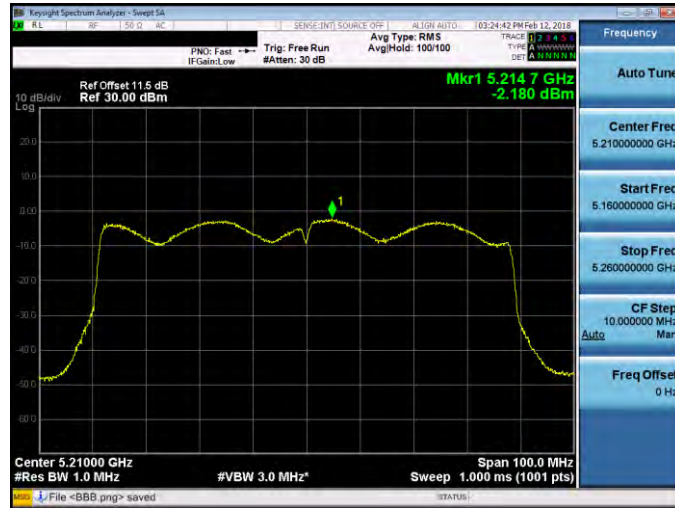


Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ ANT-0	
5755 MHz	
5795 MHz	



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

5210 MHz

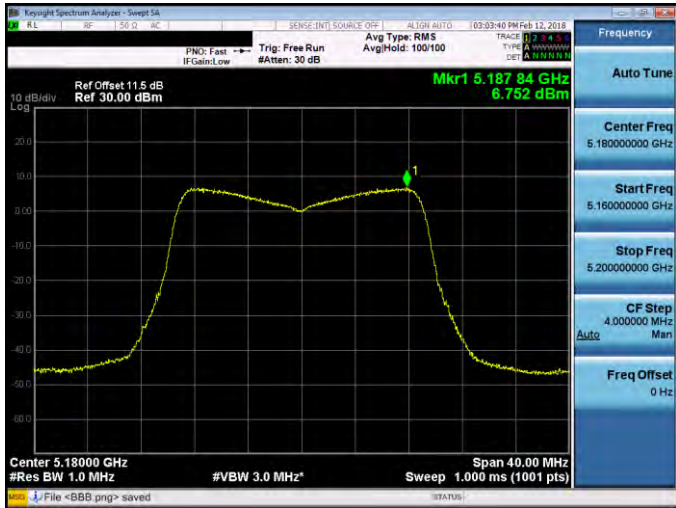
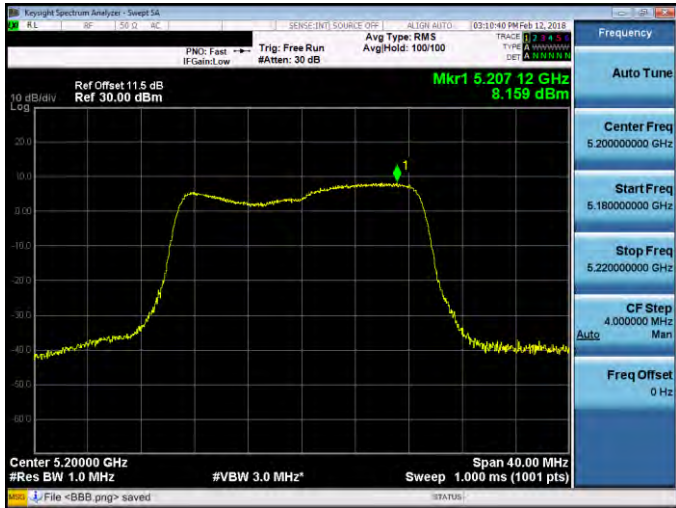
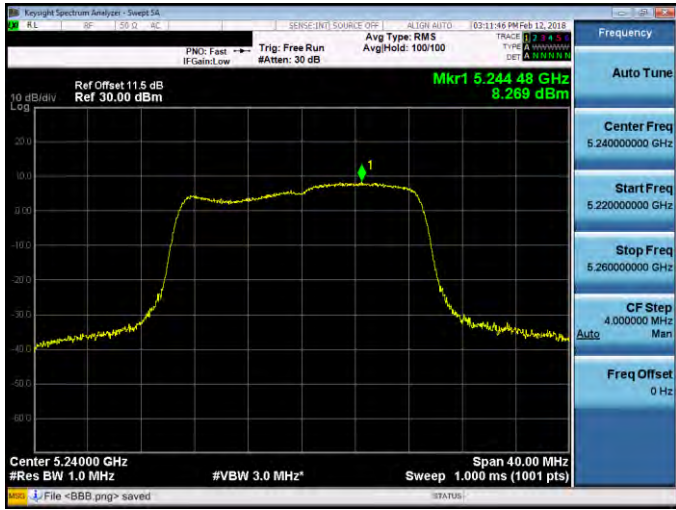


Mode 5: IEEE 802.11ac 80MHz Continuous TX mode _ANT-0

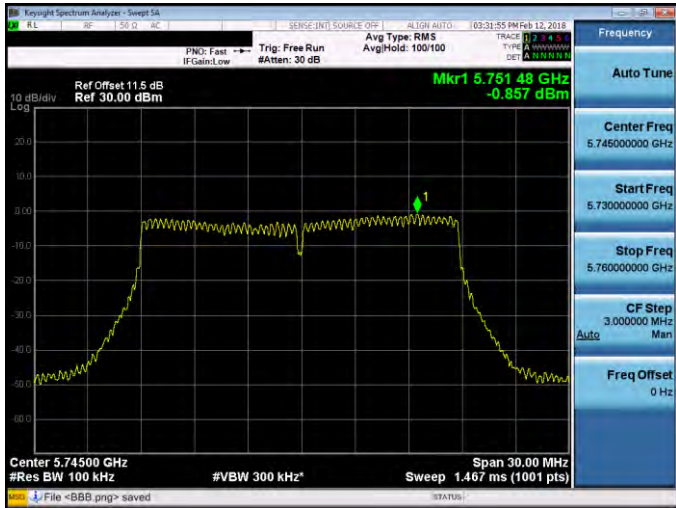
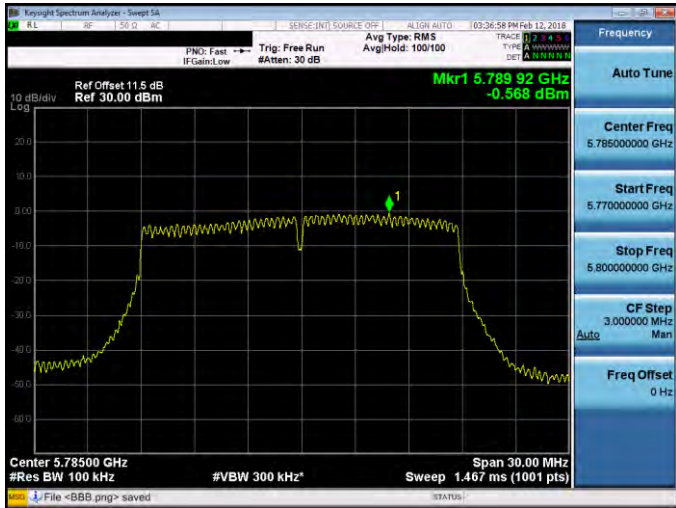
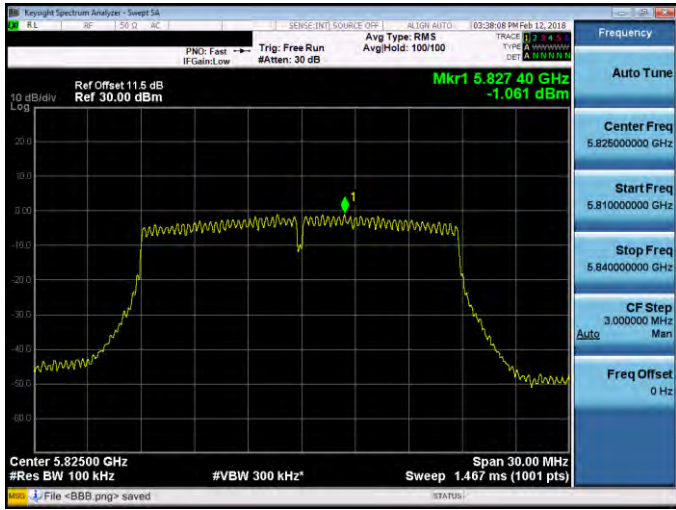
5775 MHz





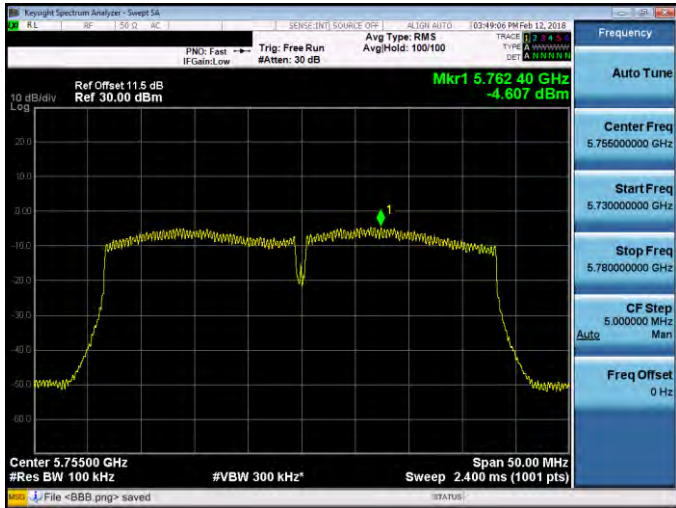
Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

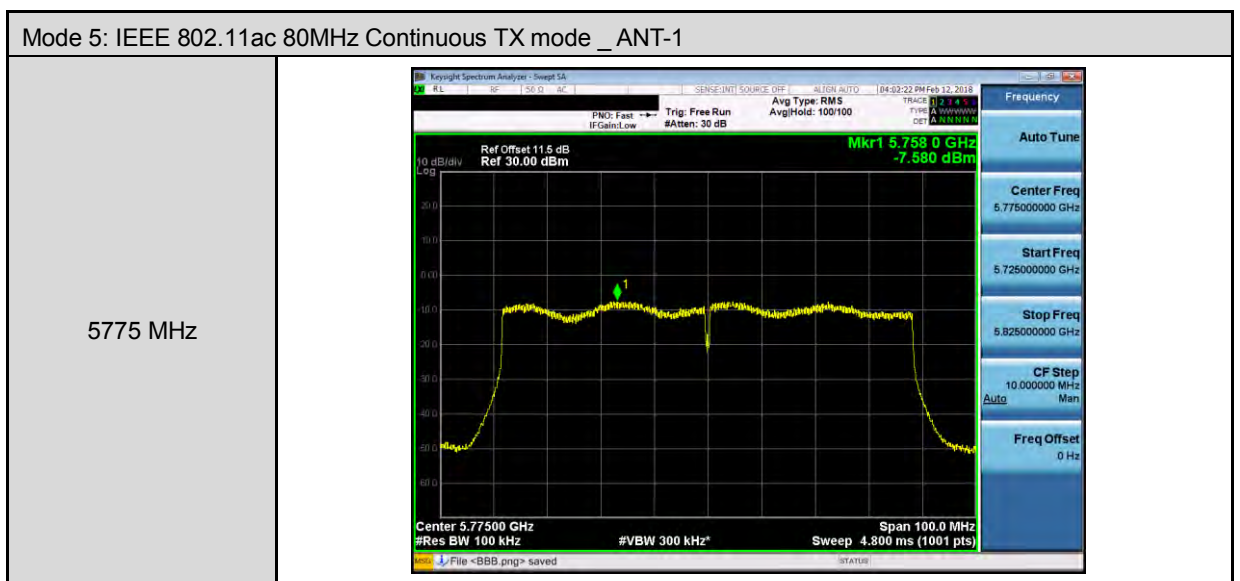
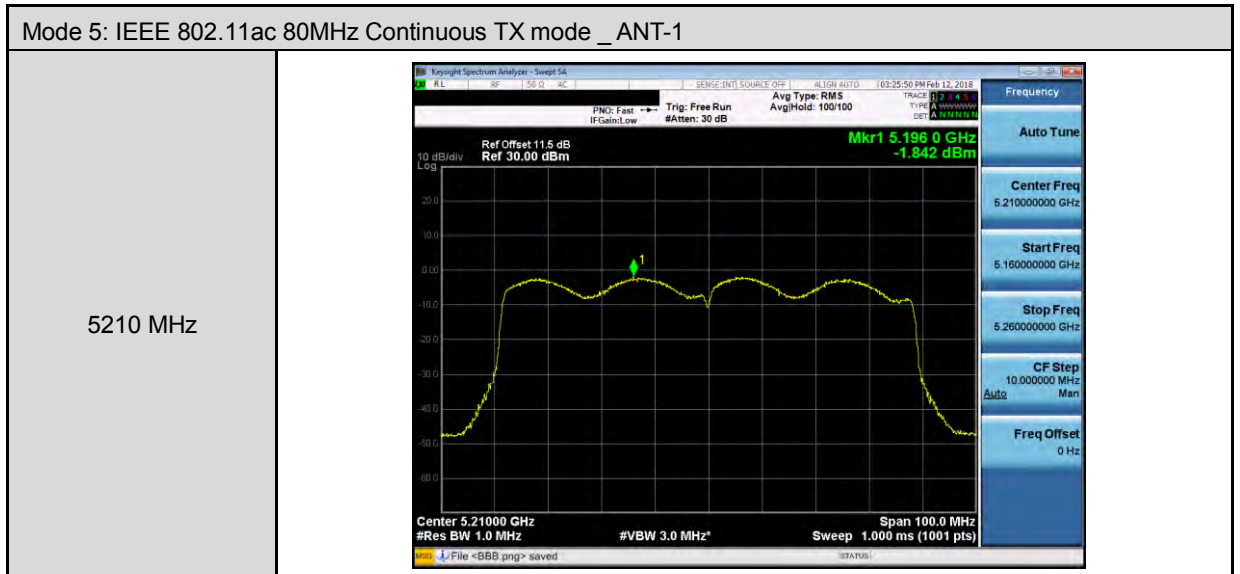


Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ANT-1	
5745 MHz	
5785 MHz	
5825 MHz	





Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ ANT-1	
5755 MHz	
5795 MHz	



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