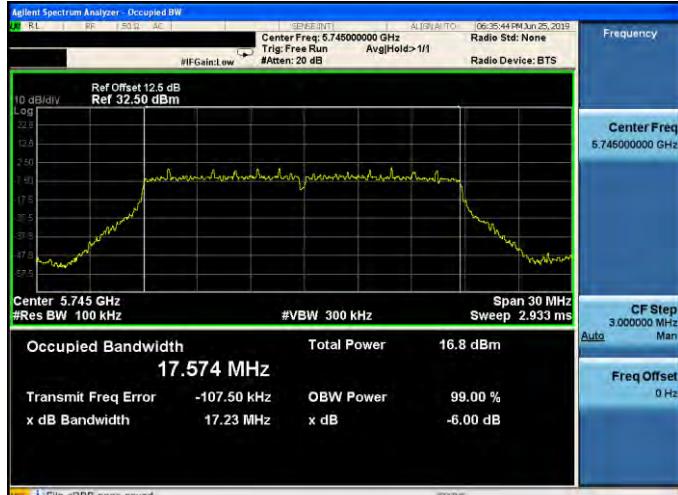
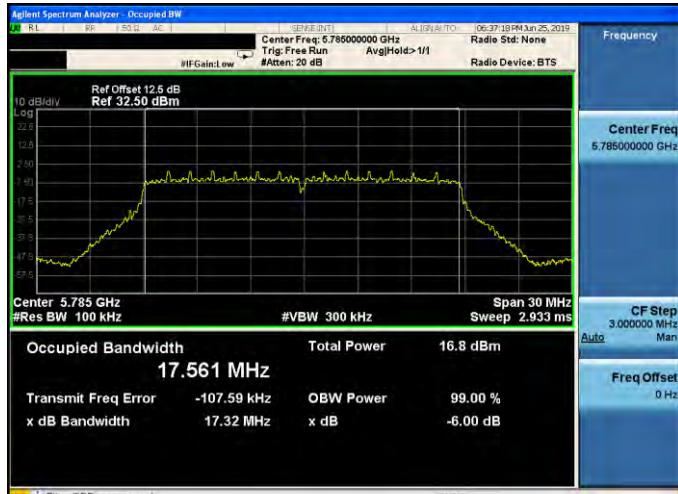
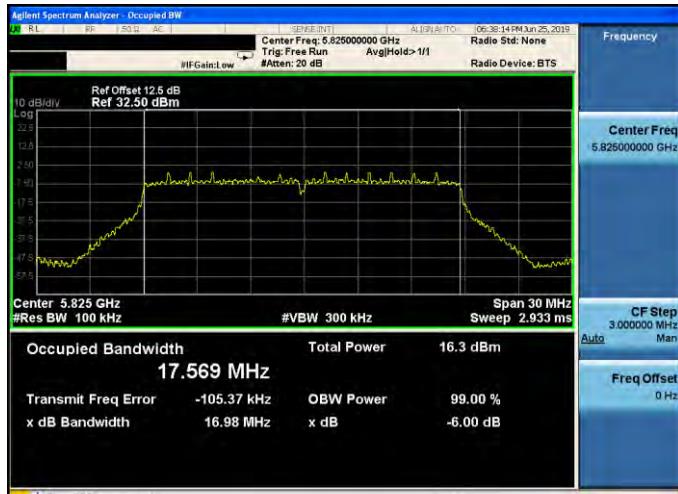
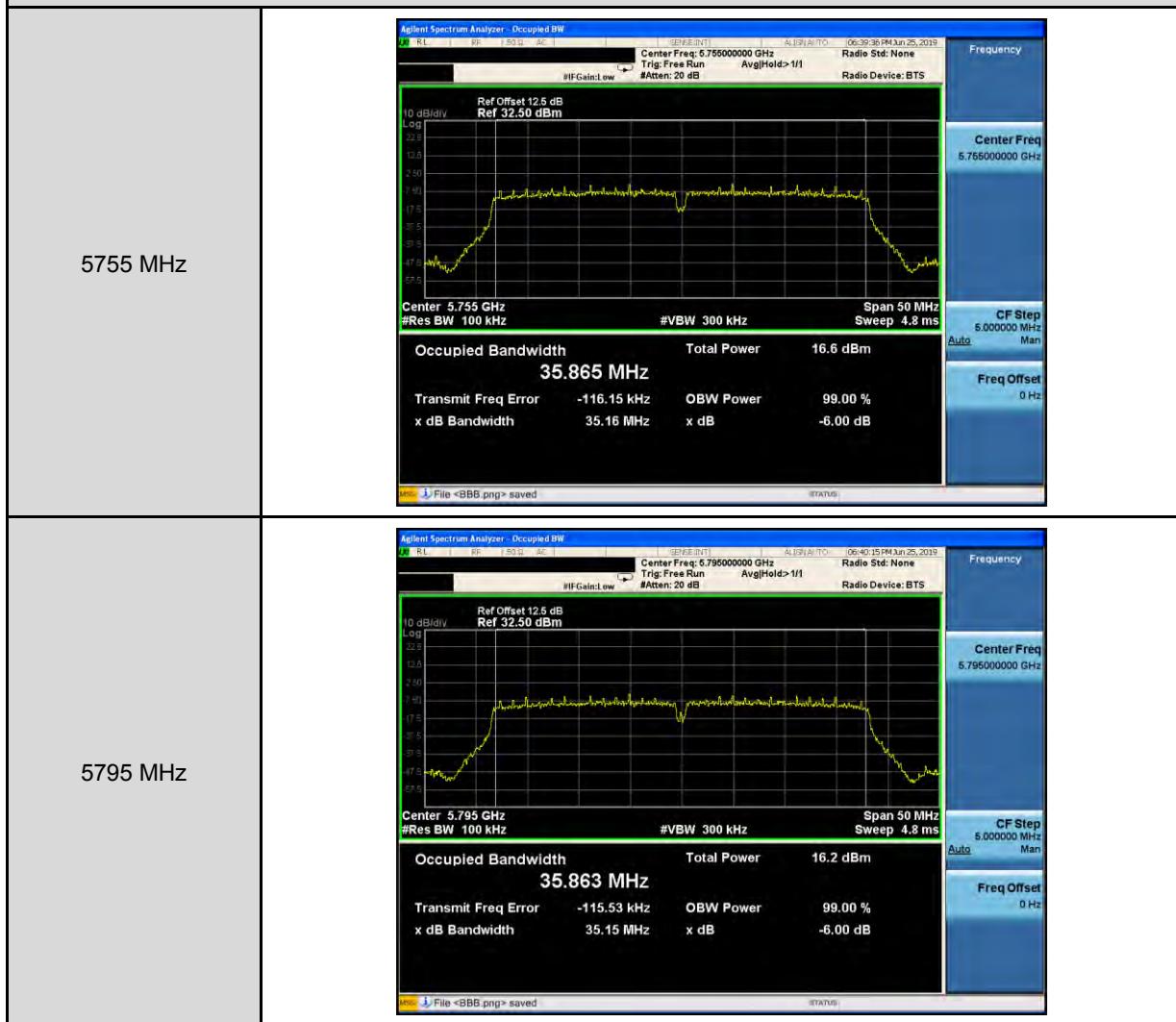


Beamforming on

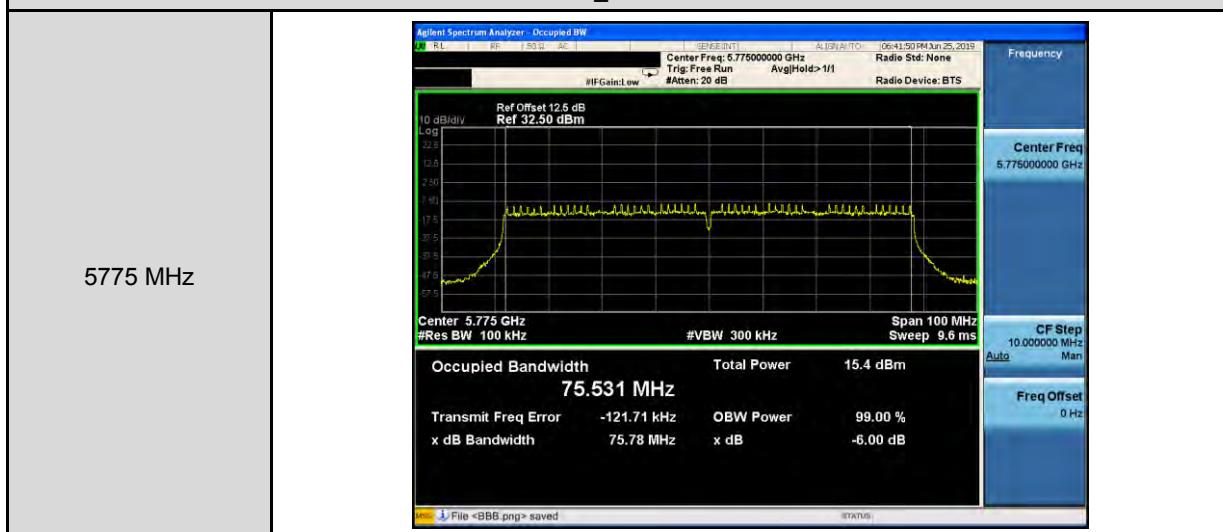
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-0

5745 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz Trig: Free Run Avg Hold> 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.5 dB Ref 32.50 dBm Frequency</p> <p>Span 30 MHz Center Freq 5.745000000 GHz</p> <p>Occupied Bandwidth: 17.574 MHz Total Power: 16.8 dBm</p> <p>Transmit Freq Error: -107.50 kHz OBW Power: 99.00 %</p> <p>x dB Bandwidth: 17.23 MHz x dB: -6.00 dB</p> <p>Freq Offset: 0 Hz</p> <p>File <BBB.png> saved</p>
5785 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz Trig: Free Run Avg Hold> 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.5 dB Ref 32.50 dBm Frequency</p> <p>Span 30 MHz Center Freq 5.785000000 GHz</p> <p>Occupied Bandwidth: 17.561 MHz Total Power: 16.8 dBm</p> <p>Transmit Freq Error: -107.59 kHz OBW Power: 99.00 %</p> <p>x dB Bandwidth: 17.32 MHz x dB: -6.00 dB</p> <p>Freq Offset: 0 Hz</p> <p>File <BBB.png> saved</p>
5825 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.825000000 GHz Trig: Free Run Avg Hold> 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.5 dB Ref 32.50 dBm Frequency</p> <p>Span 30 MHz Center Freq 5.825000000 GHz</p> <p>Occupied Bandwidth: 17.569 MHz Total Power: 16.3 dBm</p> <p>Transmit Freq Error: -105.37 kHz OBW Power: 99.00 %</p> <p>x dB Bandwidth: 16.98 MHz x dB: -6.00 dB</p> <p>Freq Offset: 0 Hz</p> <p>File <BBB.png> saved</p>

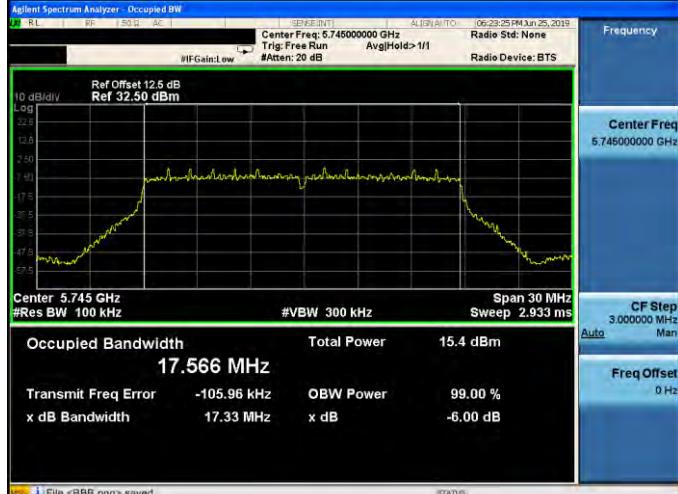
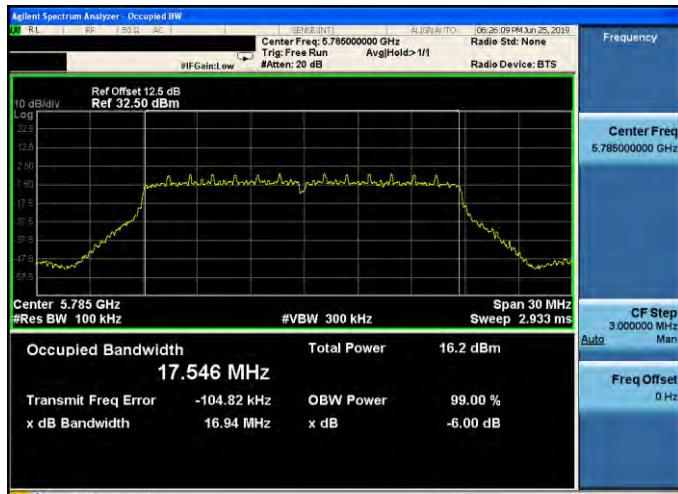
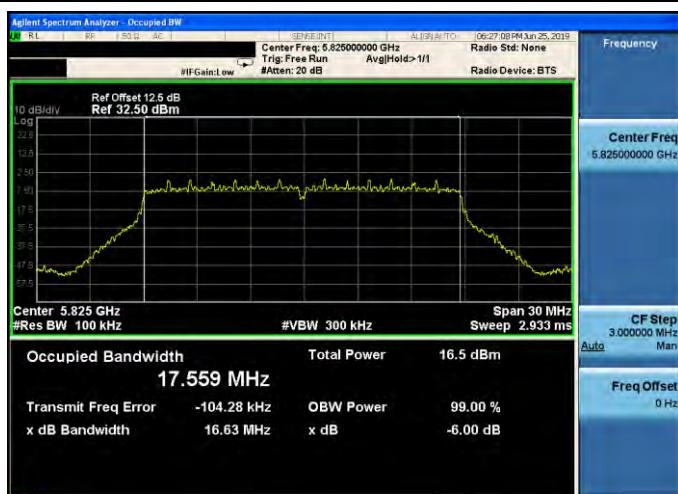
Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0



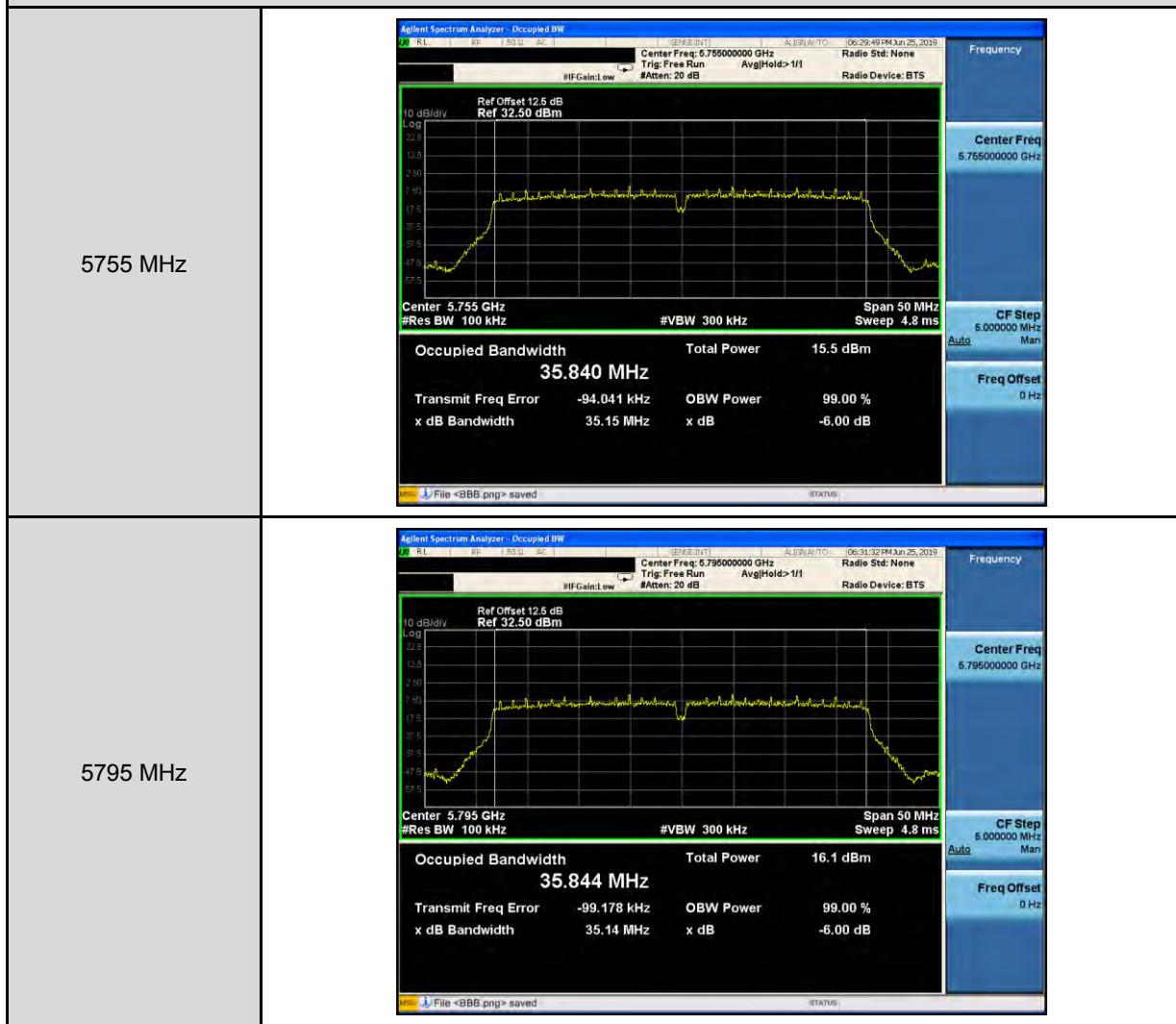
Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-0



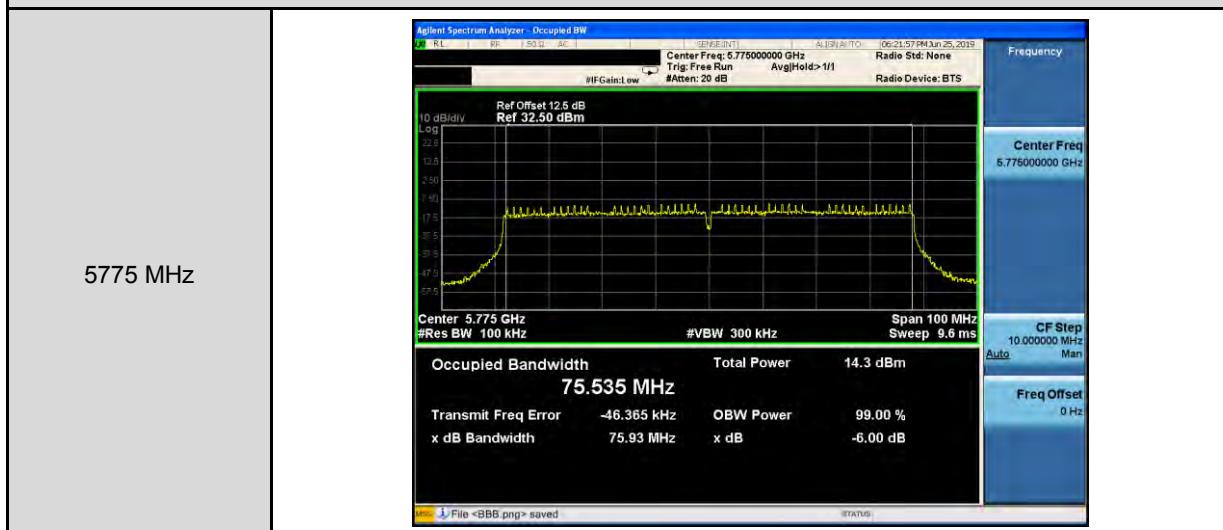
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1

5745 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.5 dB Ref 32.50 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: 17.566 MHz 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 <BBB.png> saved</p>
5785 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.5 dB Ref 32.50 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: 17.546 MHz 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 <BBB.png> saved</p>
5825 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.825000000 GHz Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.5 dB Ref 32.50 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: 17.559 MHz 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 <BBB.png> saved</p>

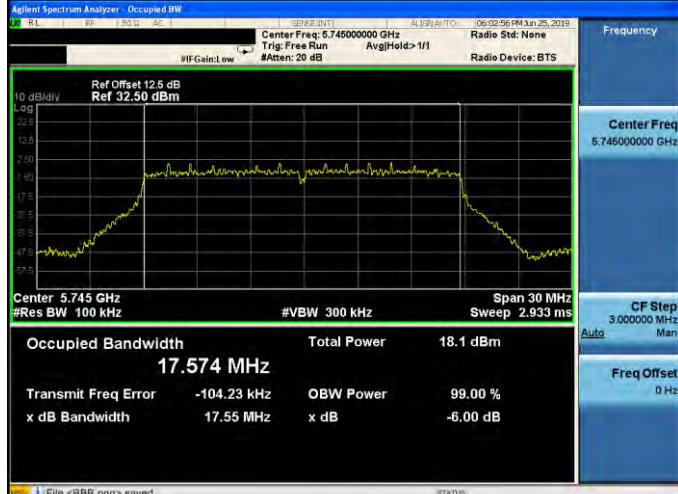
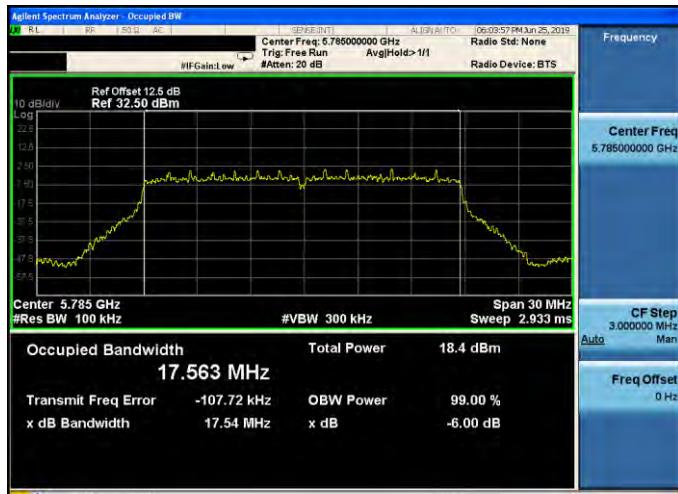
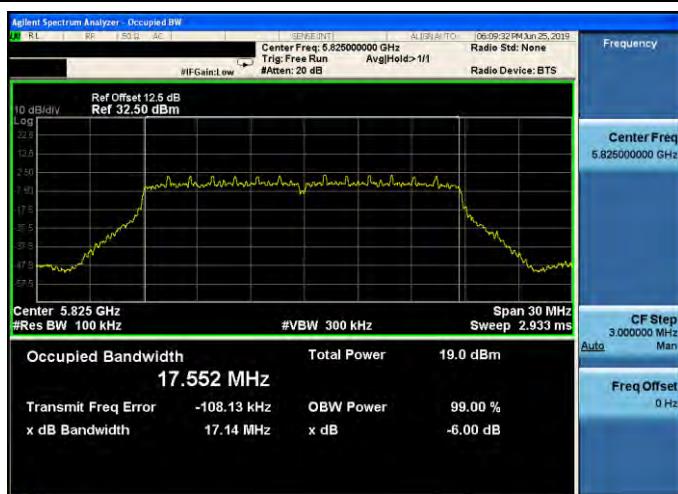
Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-1



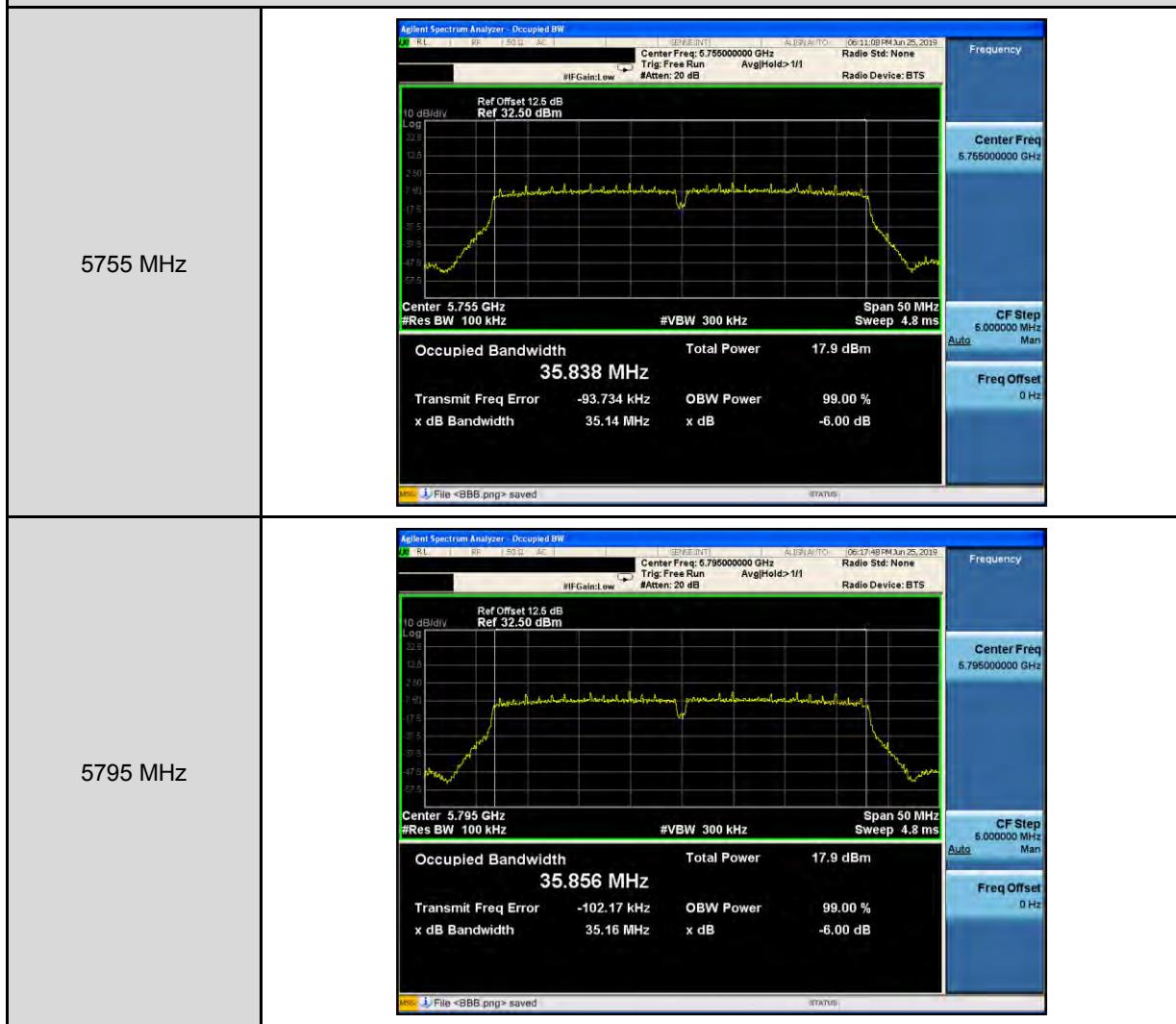
Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-1



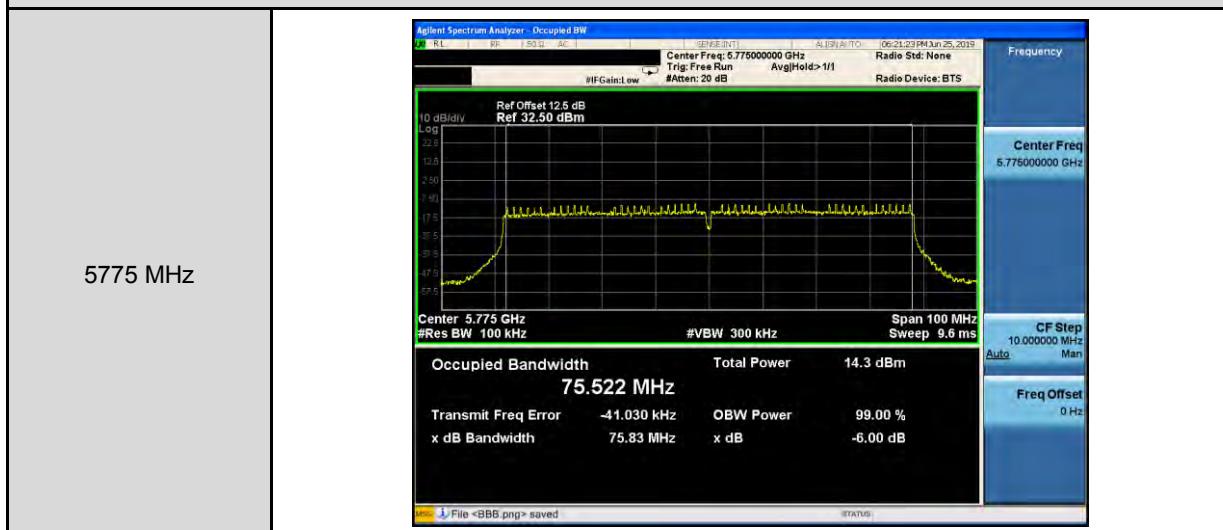
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-2

5745 MHz	 <p>Occupied Bandwidth Total Power 17.574 MHz Transmit Freq Error OBW Power 99.00 % x dB Bandwidth x dB -6.00 dB</p>
5785 MHz	 <p>Occupied Bandwidth Total Power 17.563 MHz Transmit Freq Error OBW Power 99.00 % x dB Bandwidth x dB -6.00 dB</p>
5825 MHz	 <p>Occupied Bandwidth Total Power 17.552 MHz Transmit Freq Error OBW Power 99.00 % x dB Bandwidth x dB -6.00 dB</p>

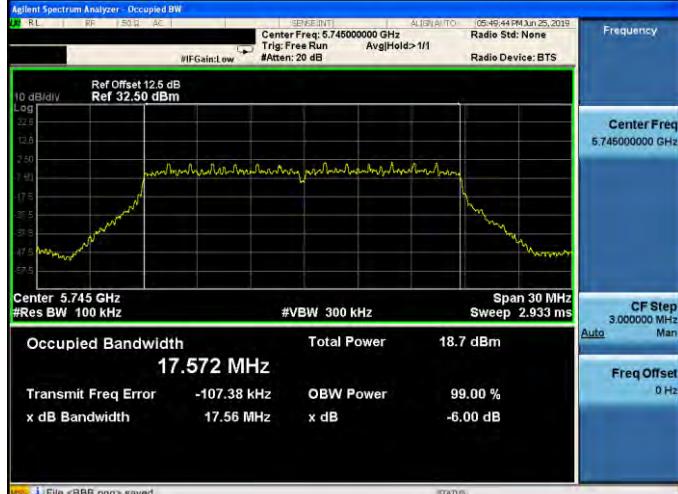
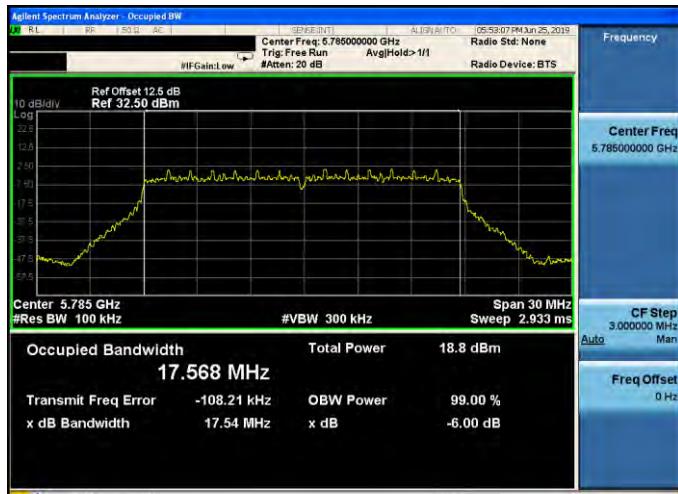
Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-2



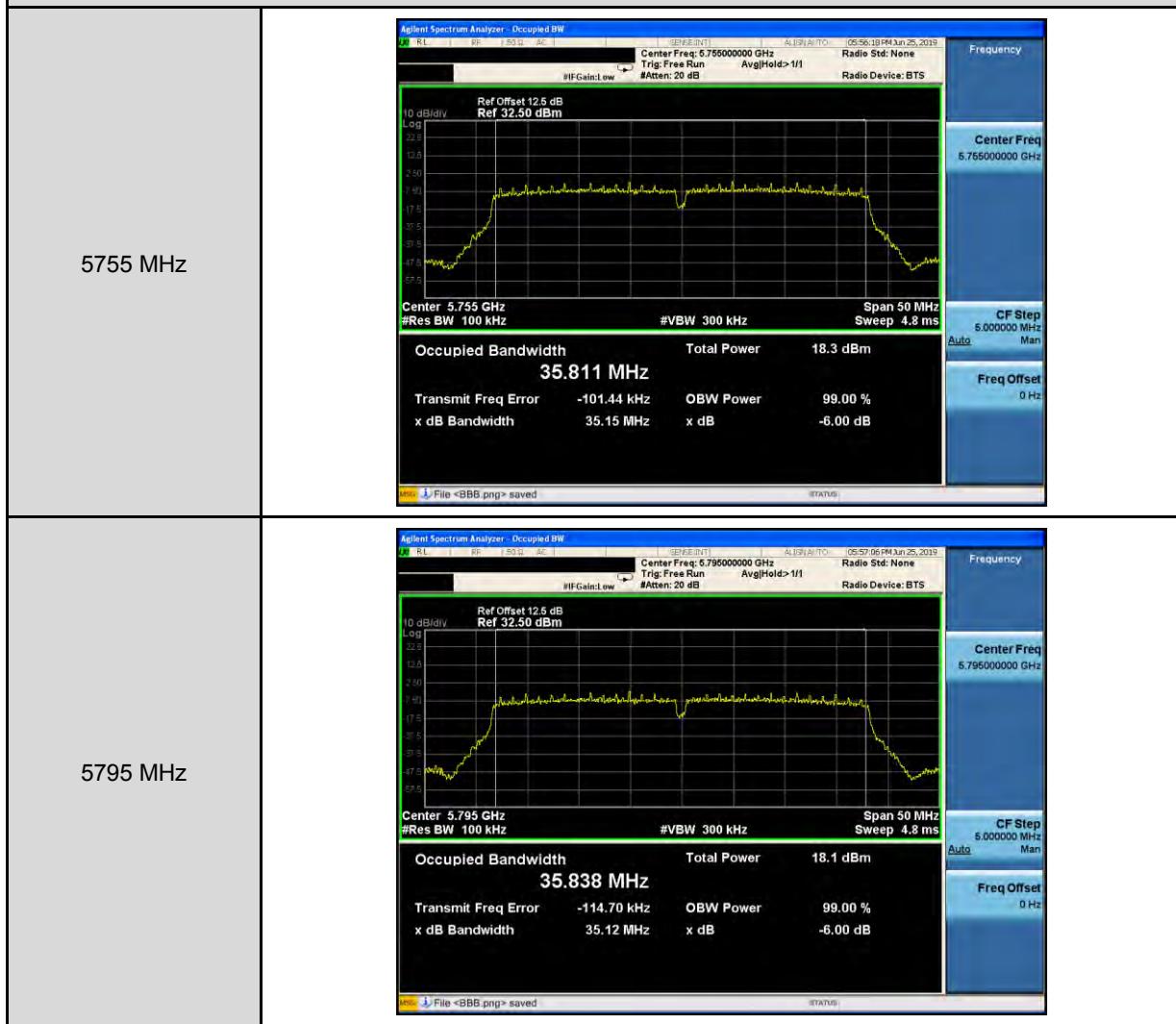
Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-2



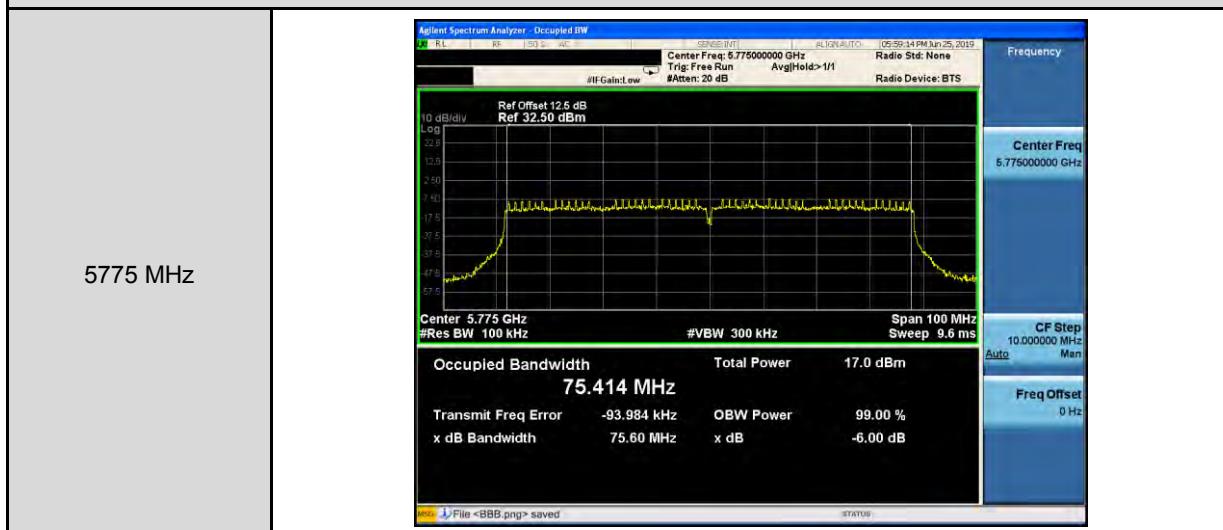
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-3

5745 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.5 dB Ref 32.50 dBm</p> <p>10 dB/dIV Log</p> <p>Span 30 MHz Sweep 2.933 ms</p> <p>#VBW 300 kHz #Res BW 100 kHz</p> <p>Occupied Bandwidth: 17.572 MHz 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>CF Step: 3.000000 MHz Freq Offset: 0 Hz</p> <p>Auto Man</p> <p>File <BBB.png> saved</p>
5785 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.5 dB Ref 32.50 dBm</p> <p>10 dB/dIV Log</p> <p>Span 30 MHz Sweep 2.933 ms</p> <p>#VBW 300 kHz #Res BW 100 kHz</p> <p>Occupied Bandwidth: 17.568 MHz 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>CF Step: 3.000000 MHz Freq Offset: 0 Hz</p> <p>Auto Man</p> <p>File <BBB.png> saved</p>
5825 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.825000000 GHz Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12.5 dB Ref 32.50 dBm</p> <p>10 dB/dIV Log</p> <p>Span 30 MHz Sweep 2.933 ms</p> <p>#VBW 300 kHz #Res BW 100 kHz</p> <p>Occupied Bandwidth: 17.585 MHz 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>CF Step: 3.000000 MHz Freq Offset: 0 Hz</p> <p>Auto Man</p> <p>File <BBB.png> 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 + $10 \log(1/\text{duty cycle})$ + 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				
	Calculated (dBm/500 kHz)			Limit (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 = $10 \cdot \log(500 \text{ k}/100 \text{ k})$

Test Mode	Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode				
Conducted power spectral density					
Frequency (MHz)		ANT-0			
Frequency (MHz)	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			
Frequency (MHz)	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			
Frequency (MHz)	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			
Frequency (MHz)	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				
	Calculated (dBm/500 kHz)			Limit (dBm/500 kHz)	
5745	10.876			≤ 30.00	
5785	10.956				
5825	10.862				

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

+ duty factor.

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

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 + $10 \log(1/\text{duty cycle})$ + 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			
	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 = $10 \cdot \log(500 \text{ k}/100 \text{ k})$

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			
	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 = $10 \cdot \log(500 \text{ k}/100 \text{ k})$

Beamforming on					
Test Mode	Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode				
Frequency (MHz)	Conducted power spectral density				
	ANT-0				
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			≤ 12.51	
	Calculated (dBm/MHz)				
5180.0	7.409				
5200.0	7.398				
5240.0	7.071				

Note: Method SA-2, Power density = measured result + $10 \log(1/\text{duty cycle})$ + 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				
	Calculated (dBm/500 kHz)			Limit (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 = $10 \cdot \log(500 \text{ k}/100 \text{ k})$

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 + $10 \log(1/\text{duty cycle})$ + 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			
	Calculated (dBm/500 kHz)			Limit (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 = $10 \cdot \log(500 \text{ k}/100 \text{ k})$

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			
	Calculated (dBm/500 kHz)			Limit (dBm/500 kHz)
5775	-3.853			≤ 24.53

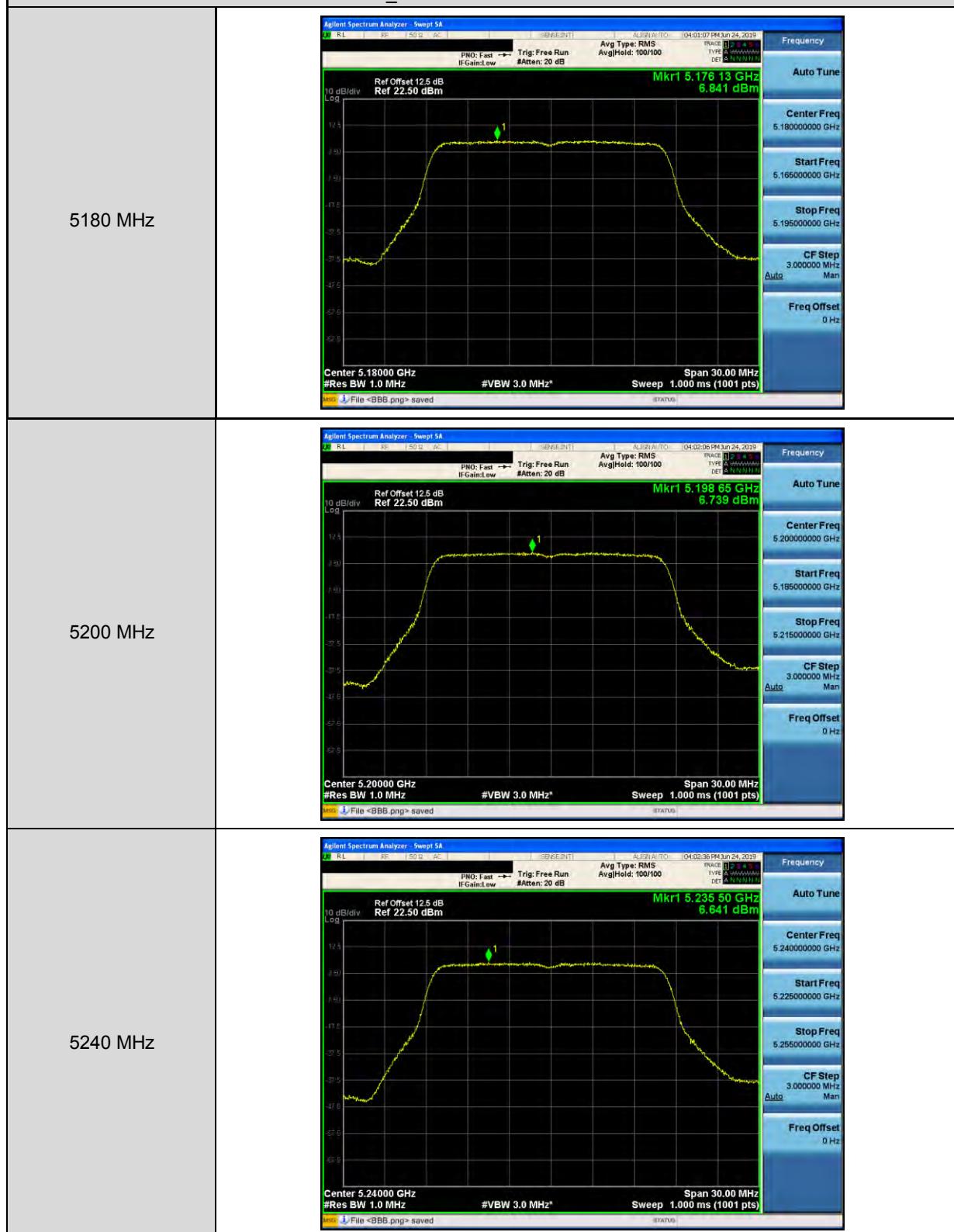
Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result

+ duty factor.

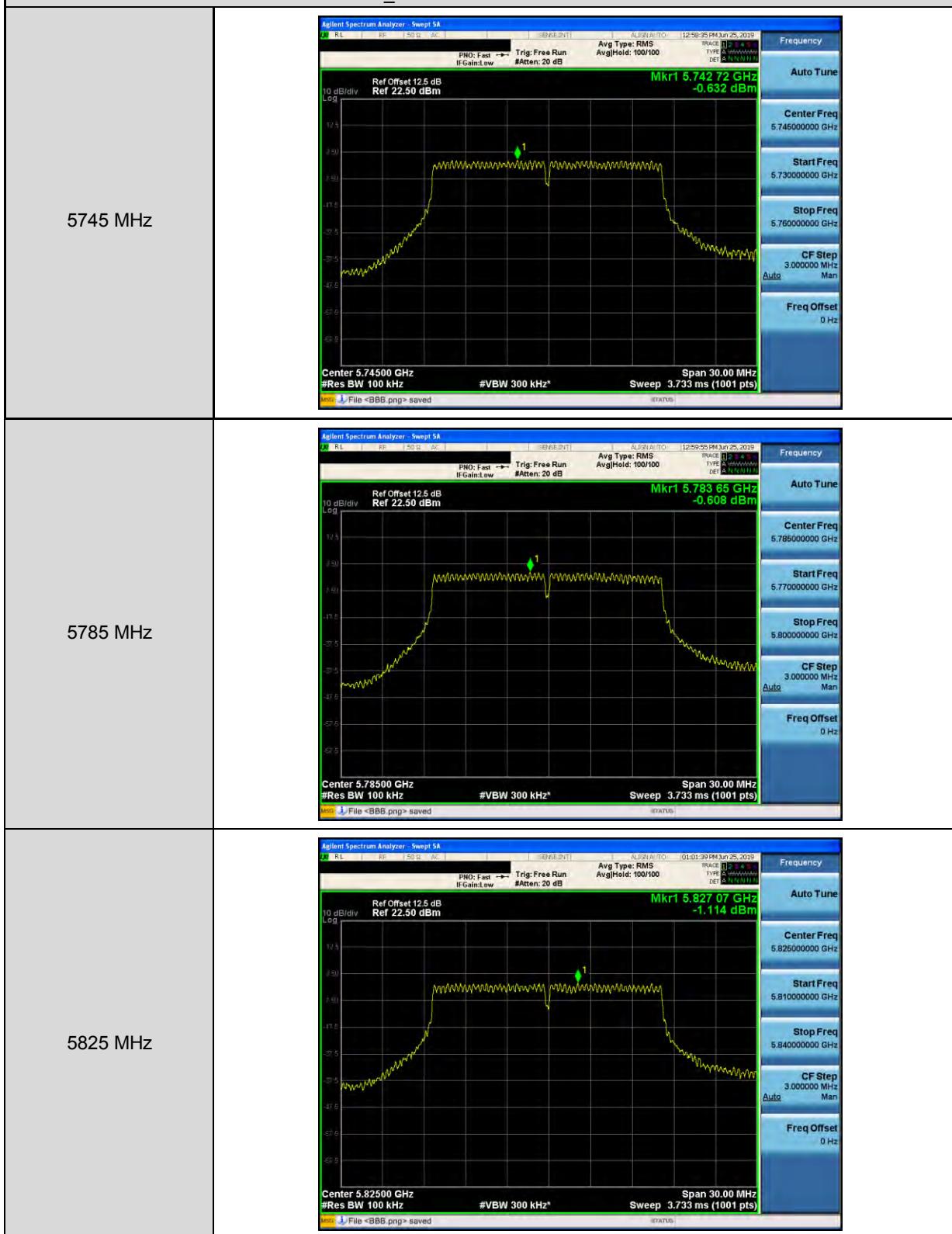
Conversion ratio = $10 \cdot \log(500 \text{ k}/100 \text{ k})$

■ Test Graphs

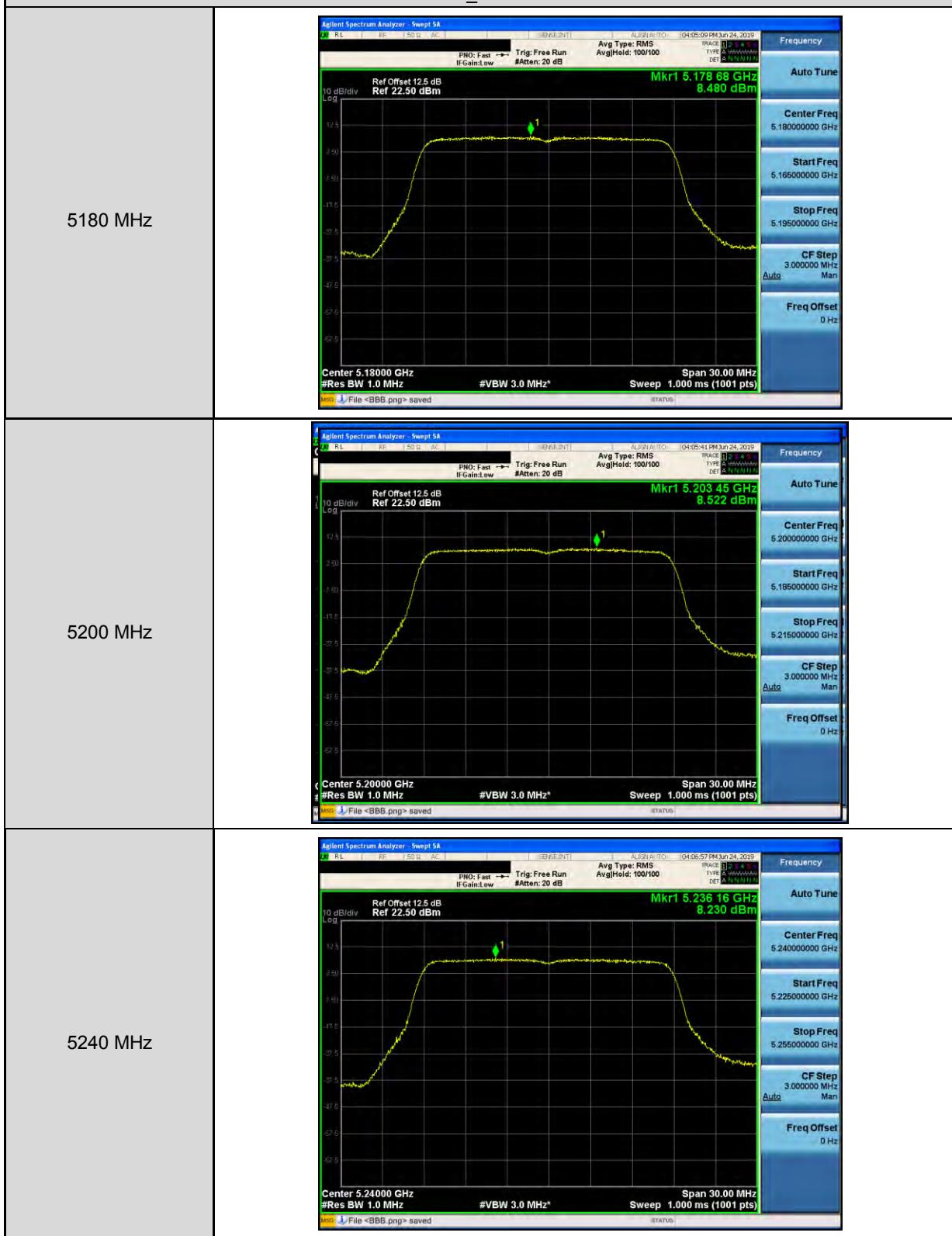
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0



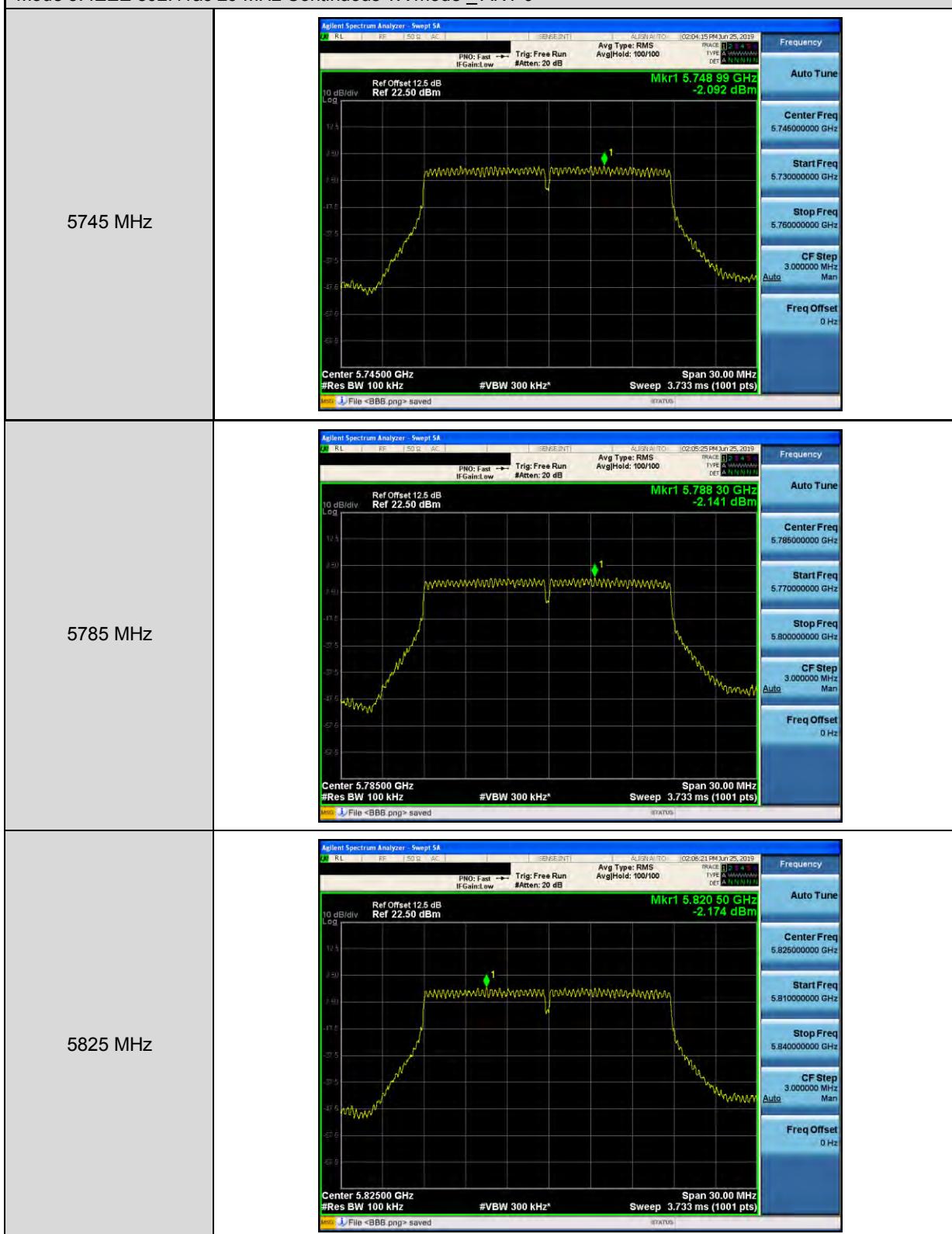
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0



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



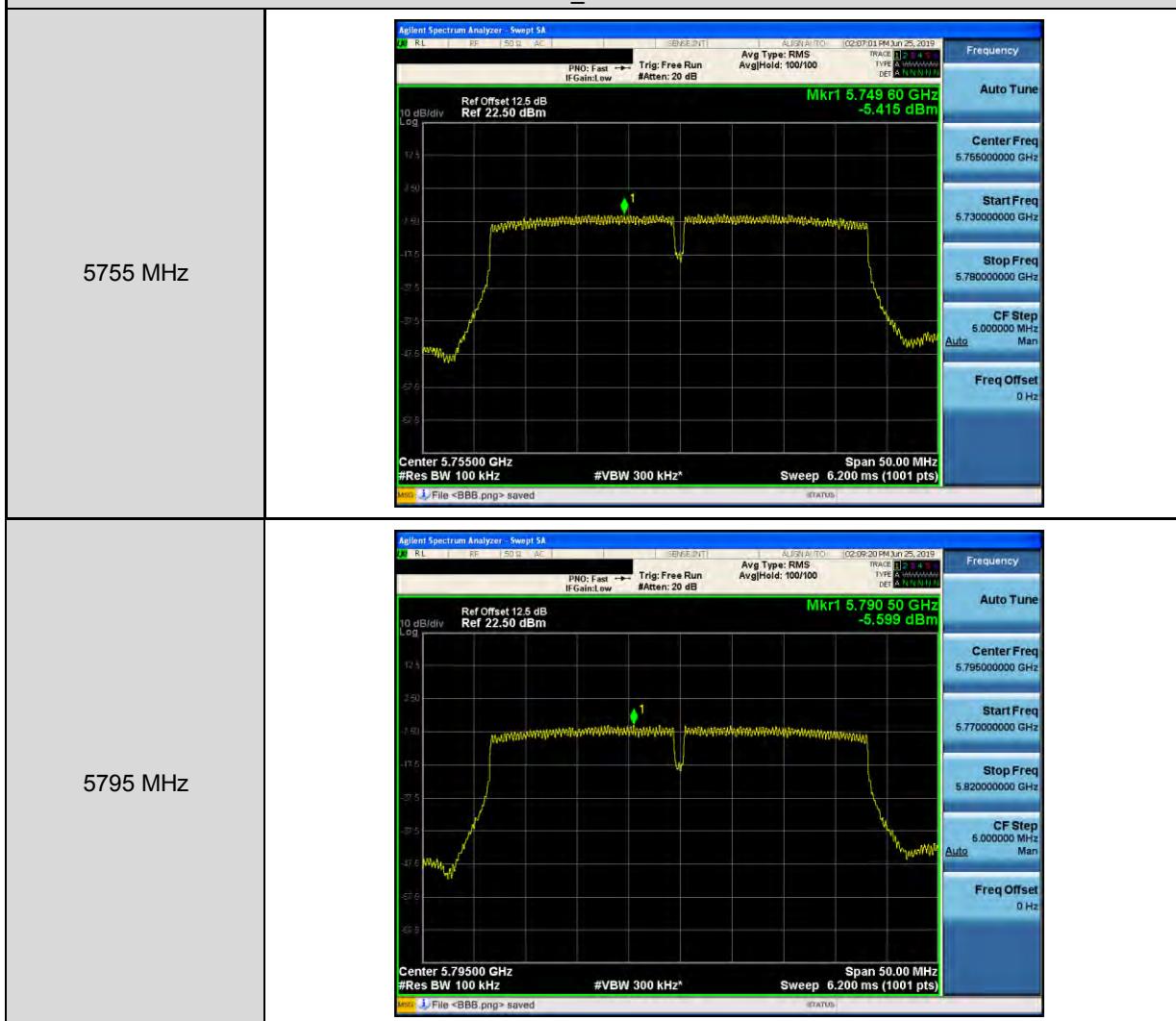
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-0



Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-0



Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-0



Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-0

5210 MHz

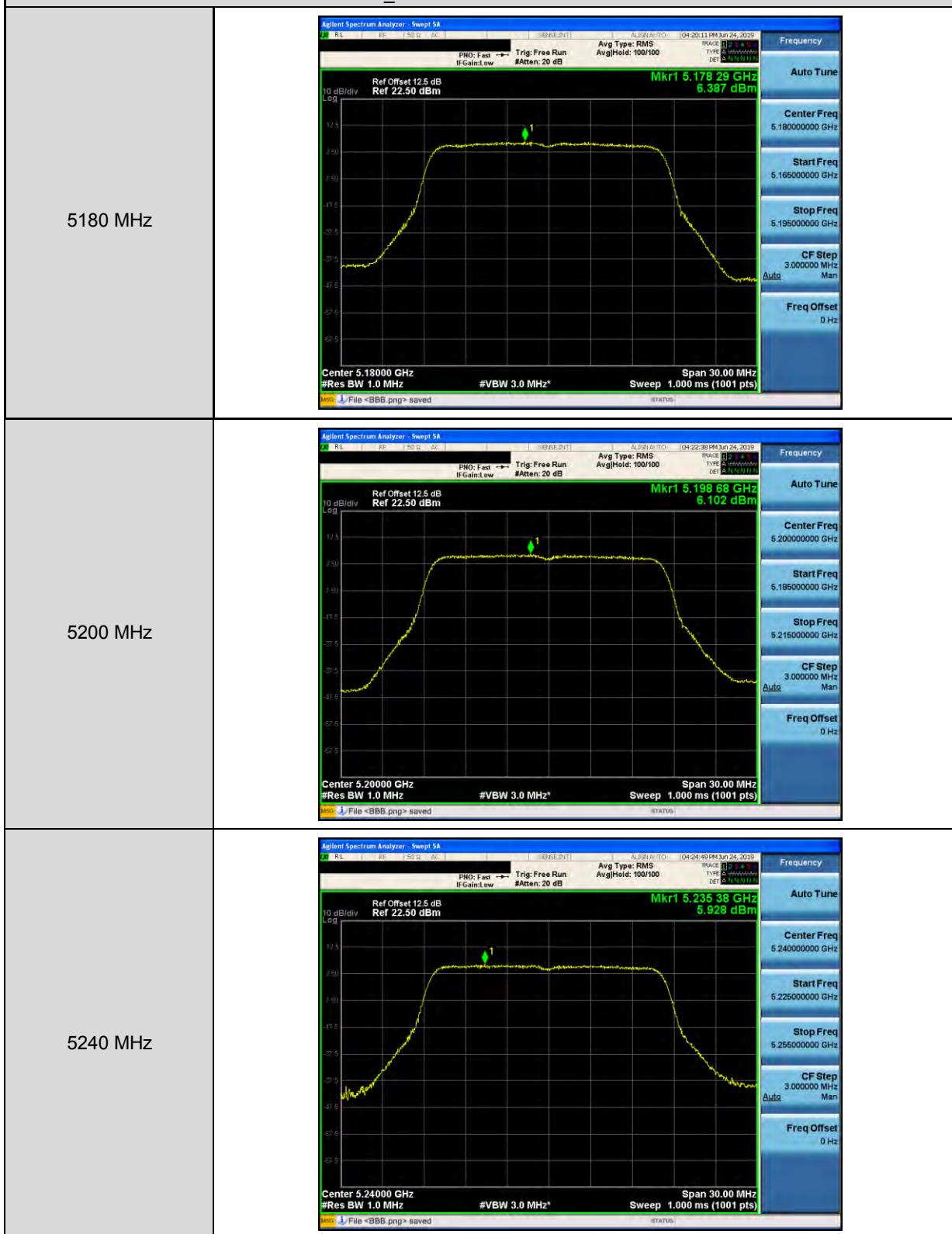


Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-0

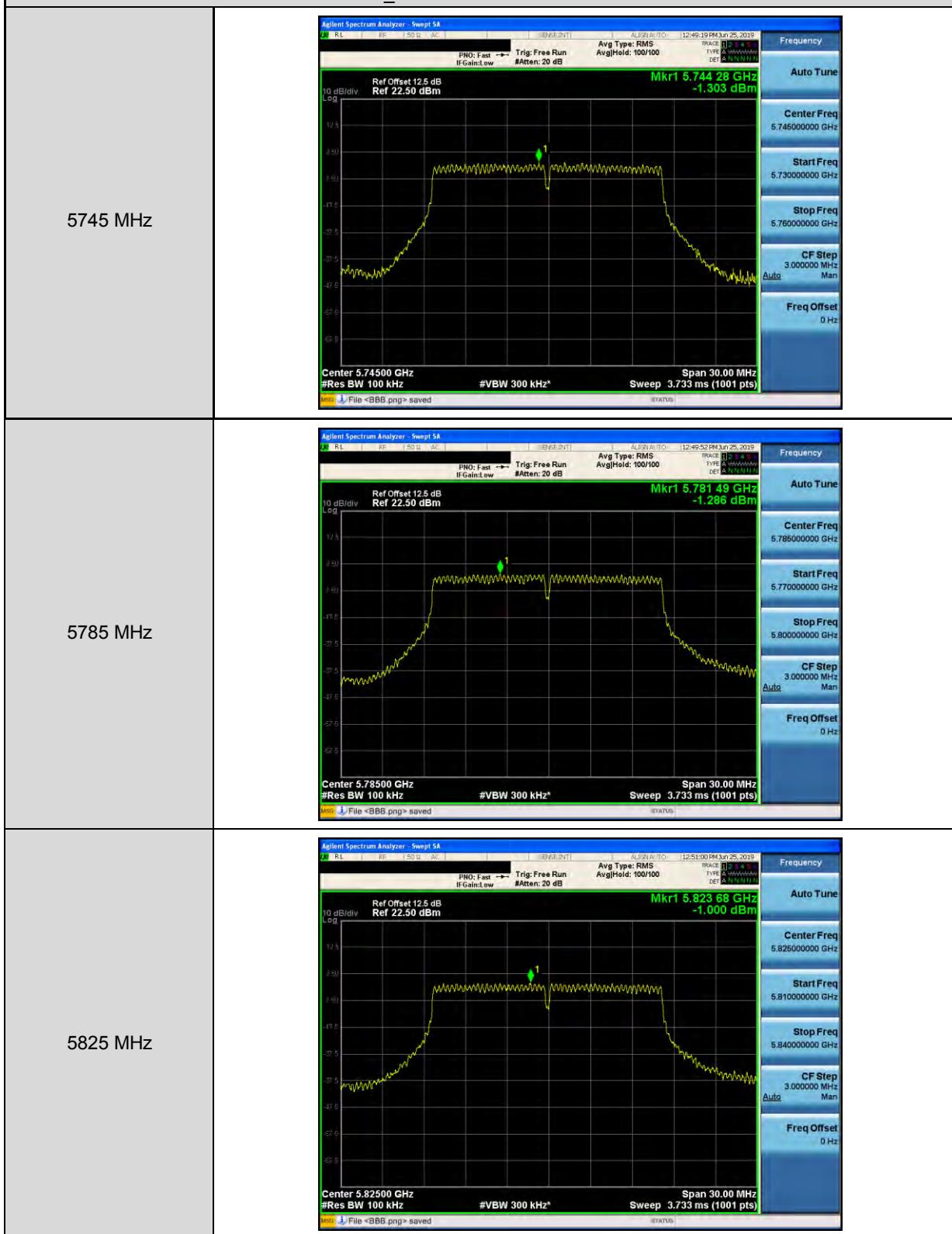
5775 MHz



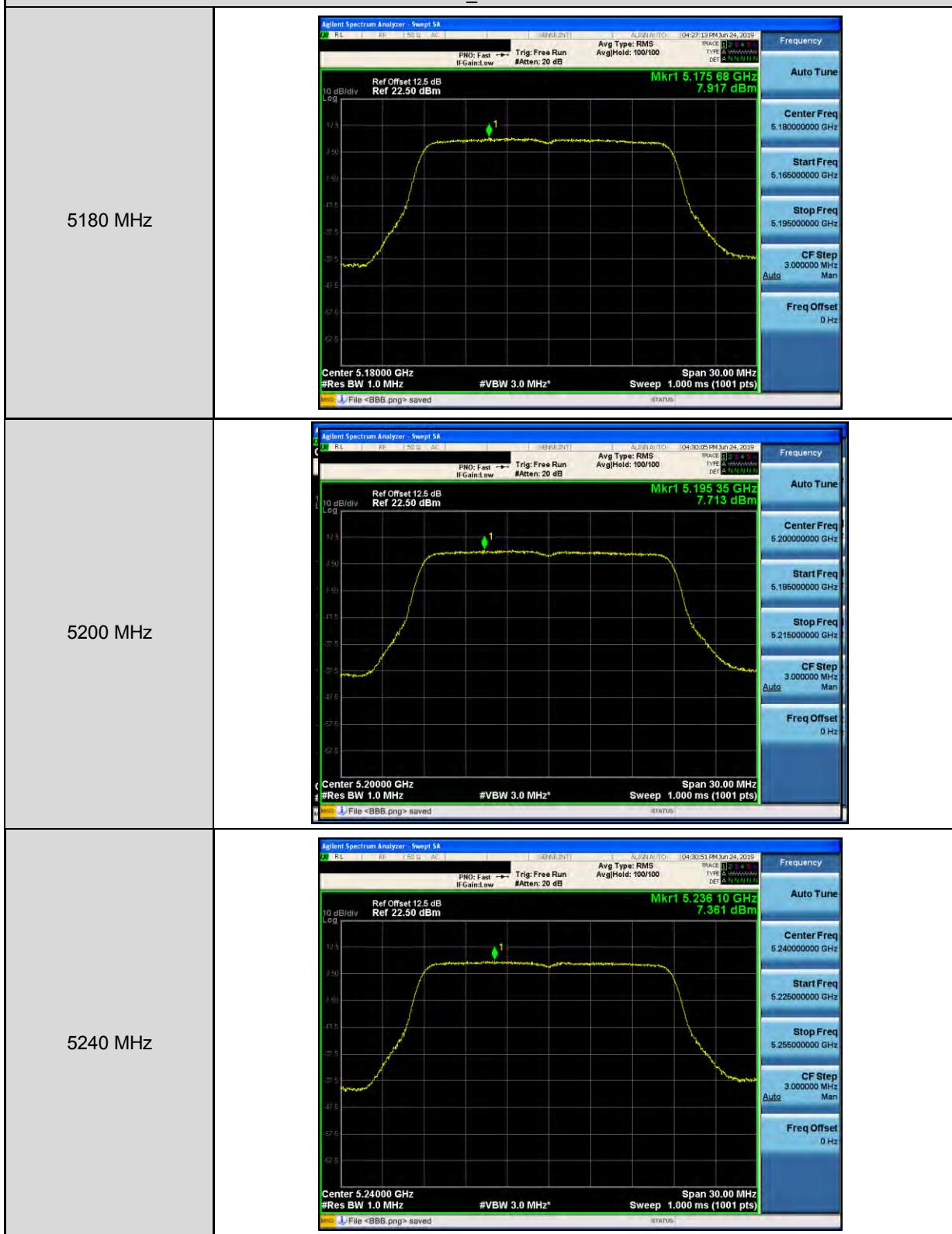
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1



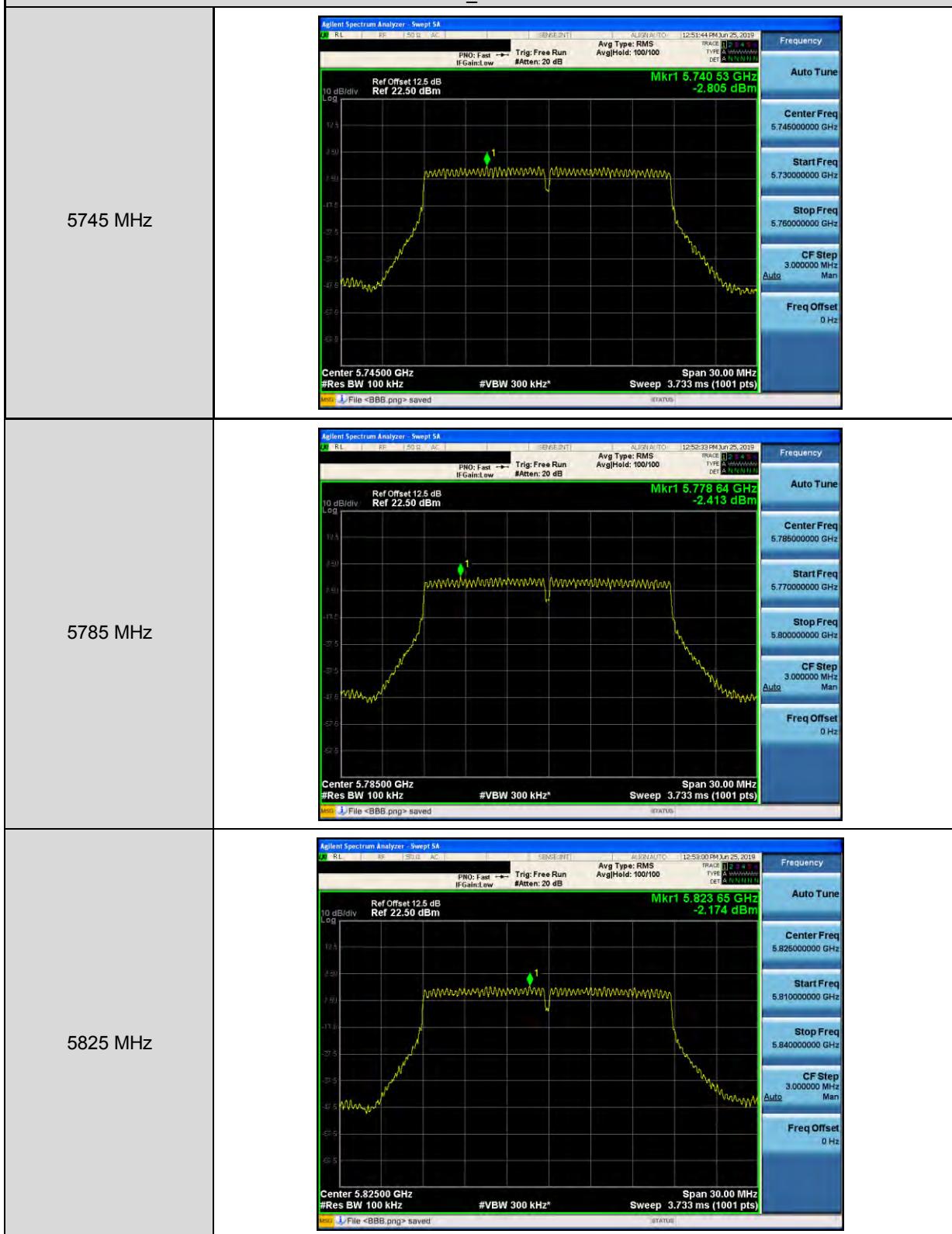
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1



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



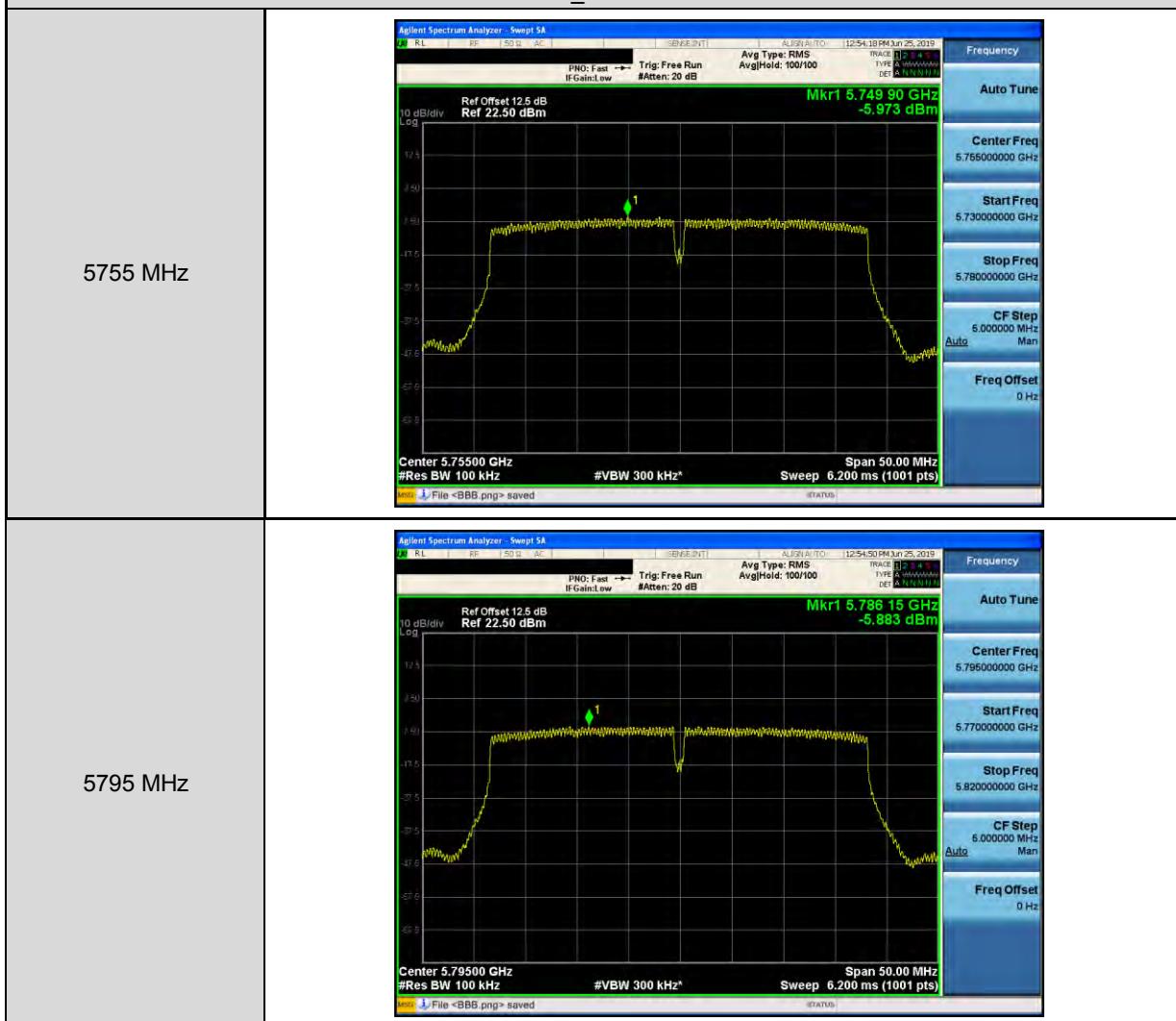
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-1



Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-1



Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-1



Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-1

5210 MHz

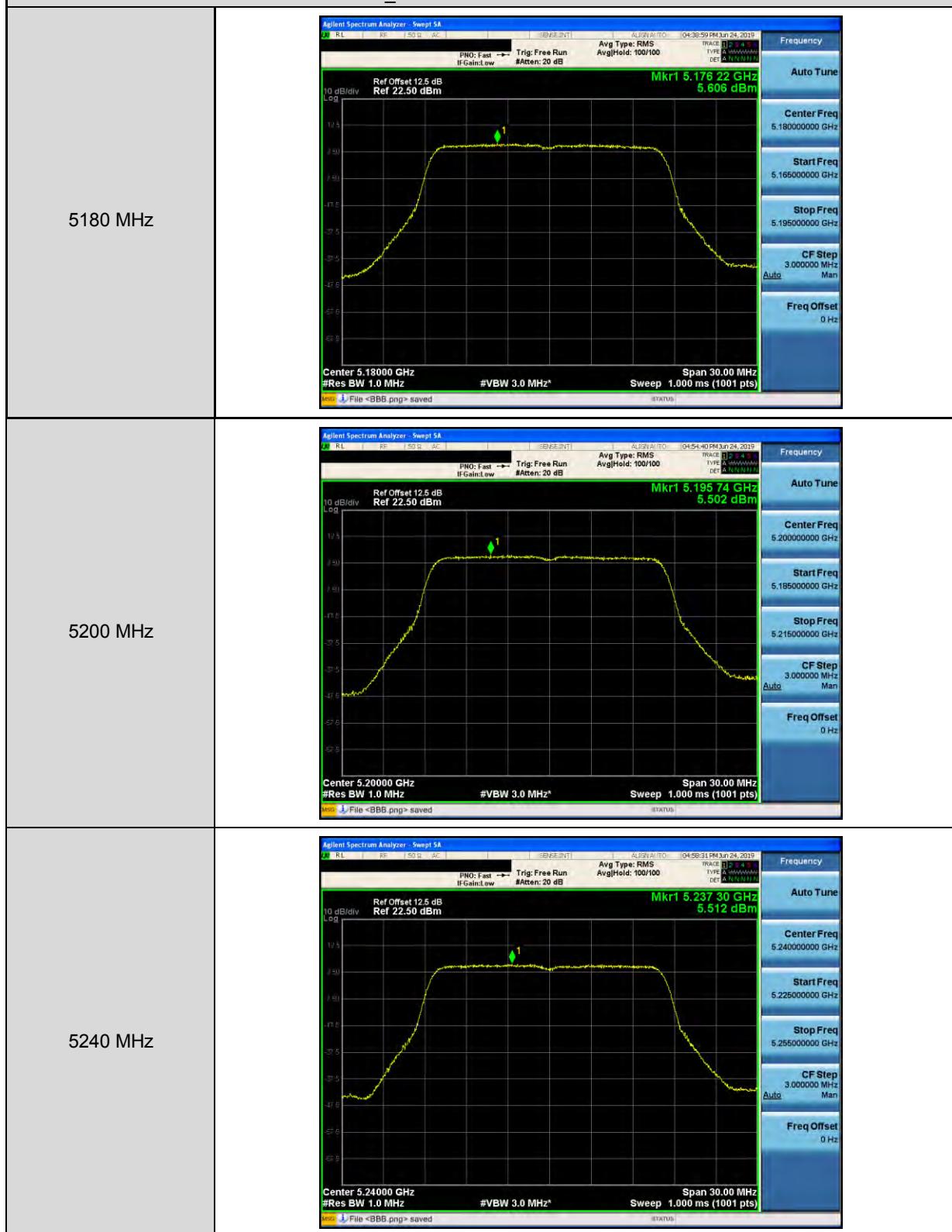


Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-1

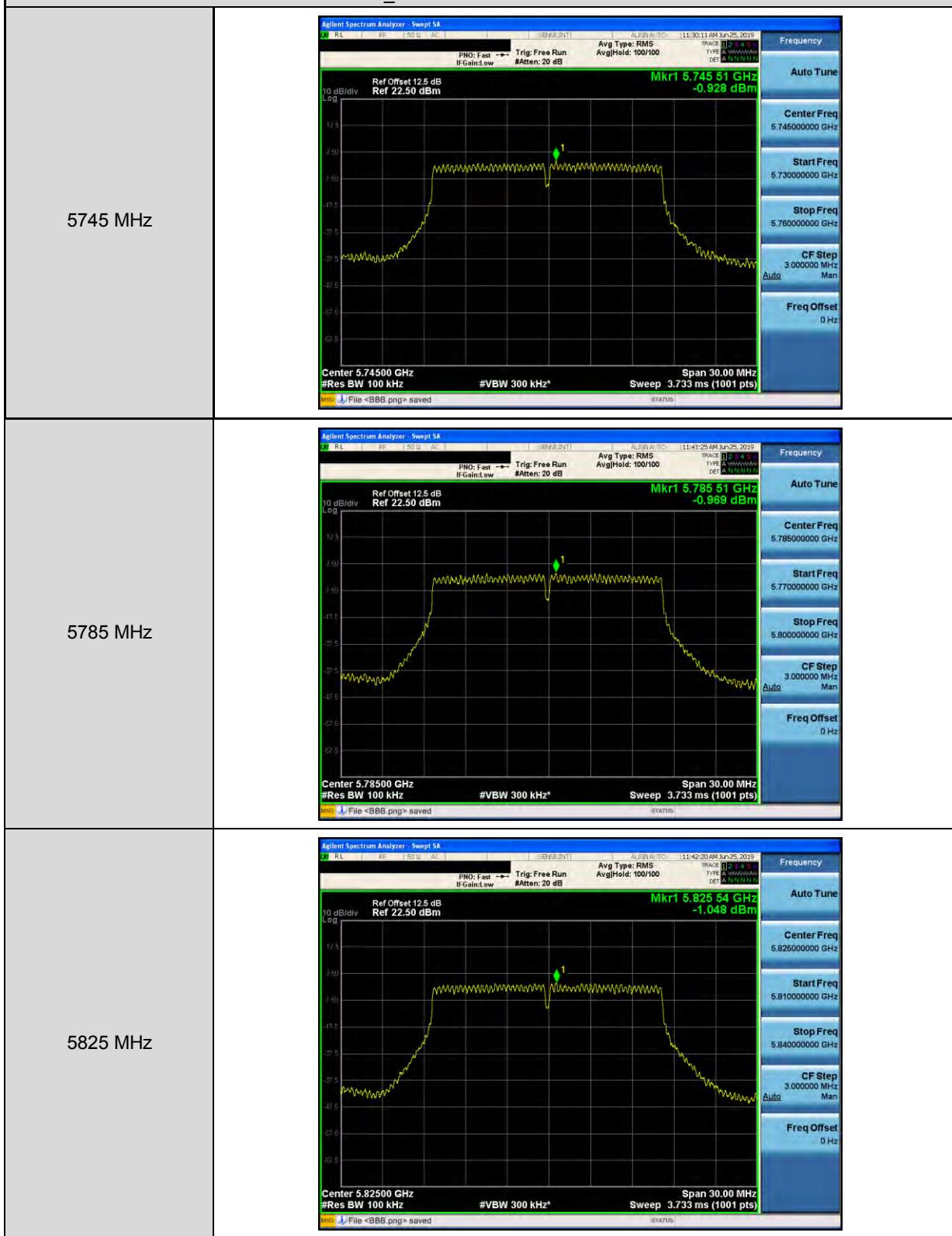
5775 MHz



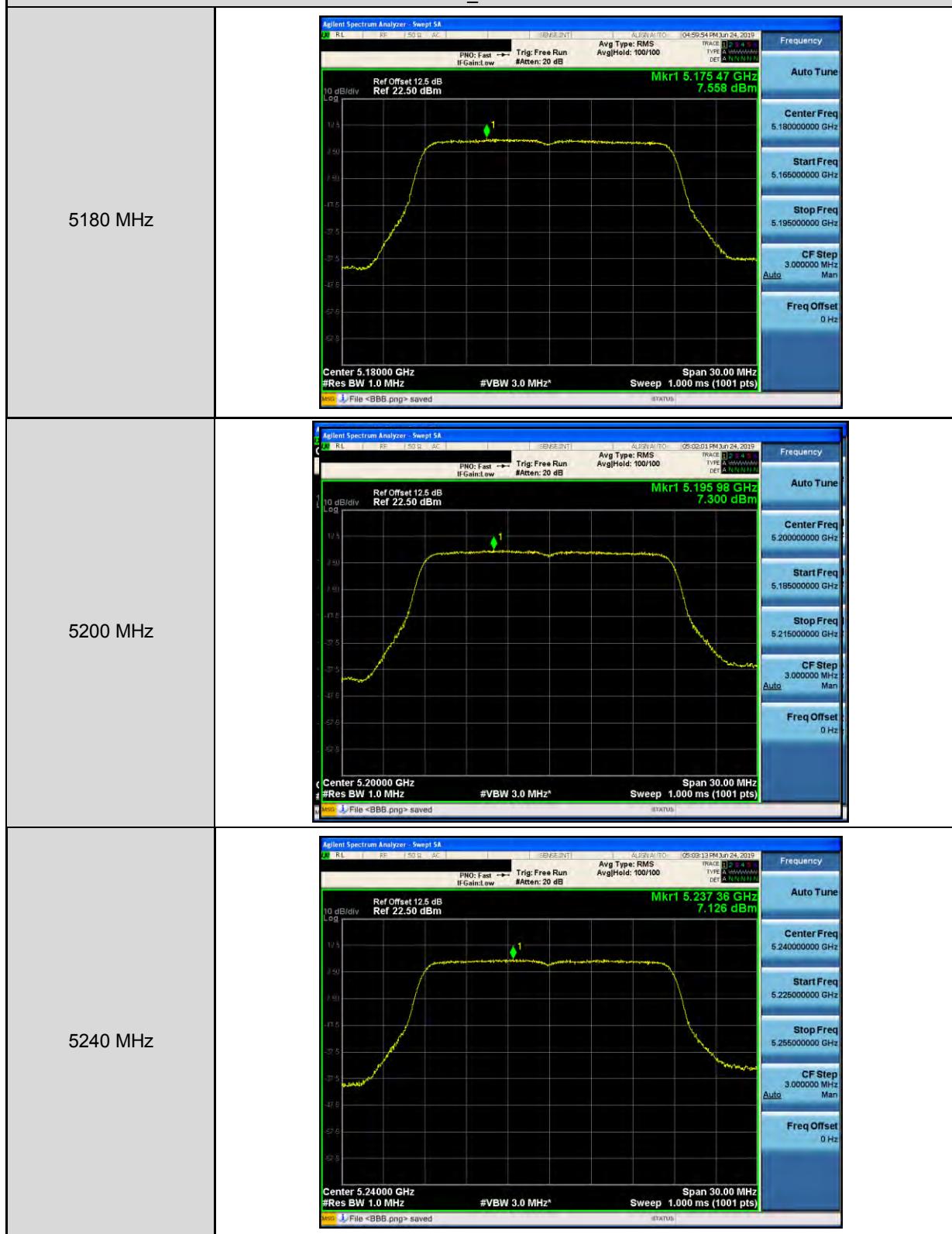
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-2



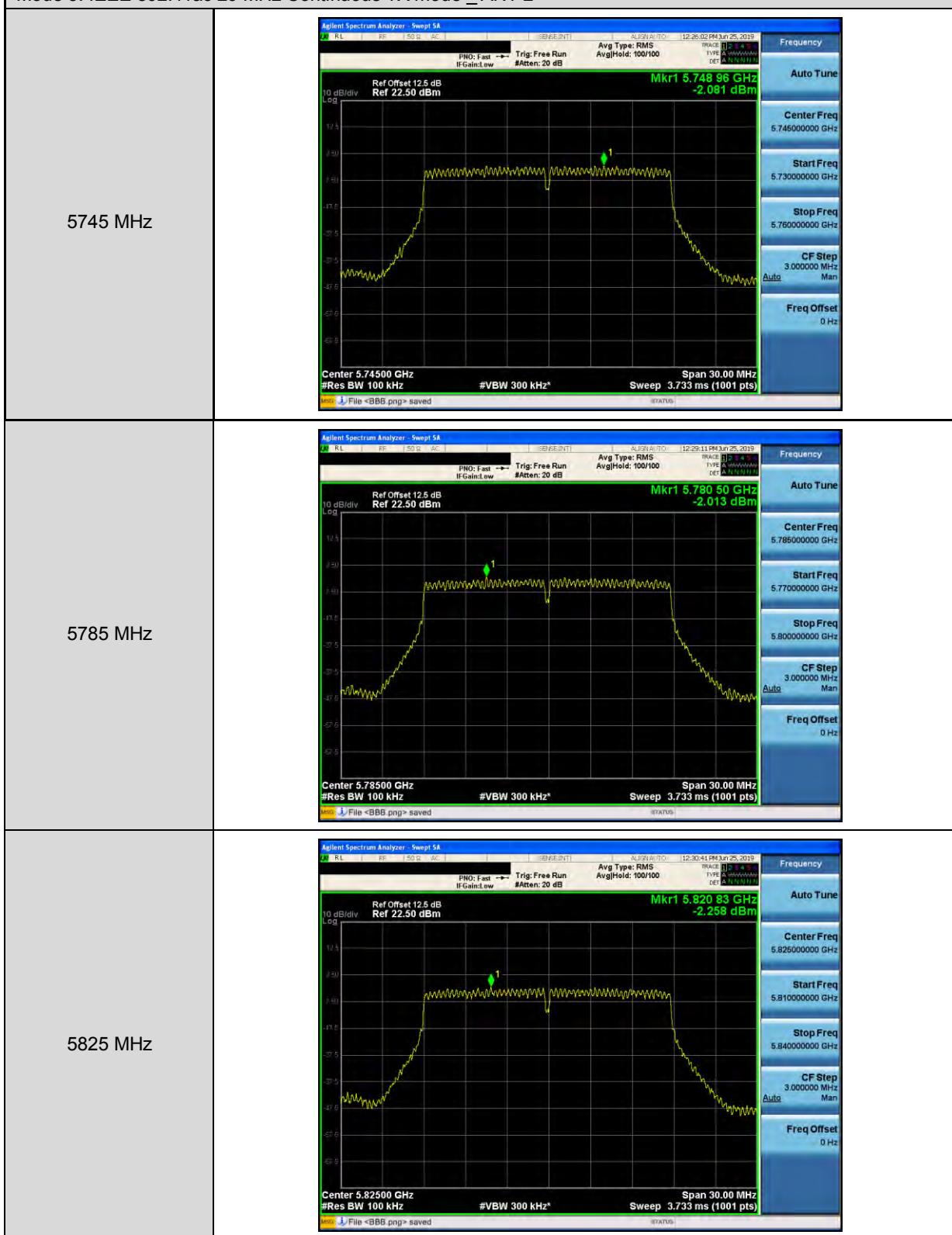
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-2



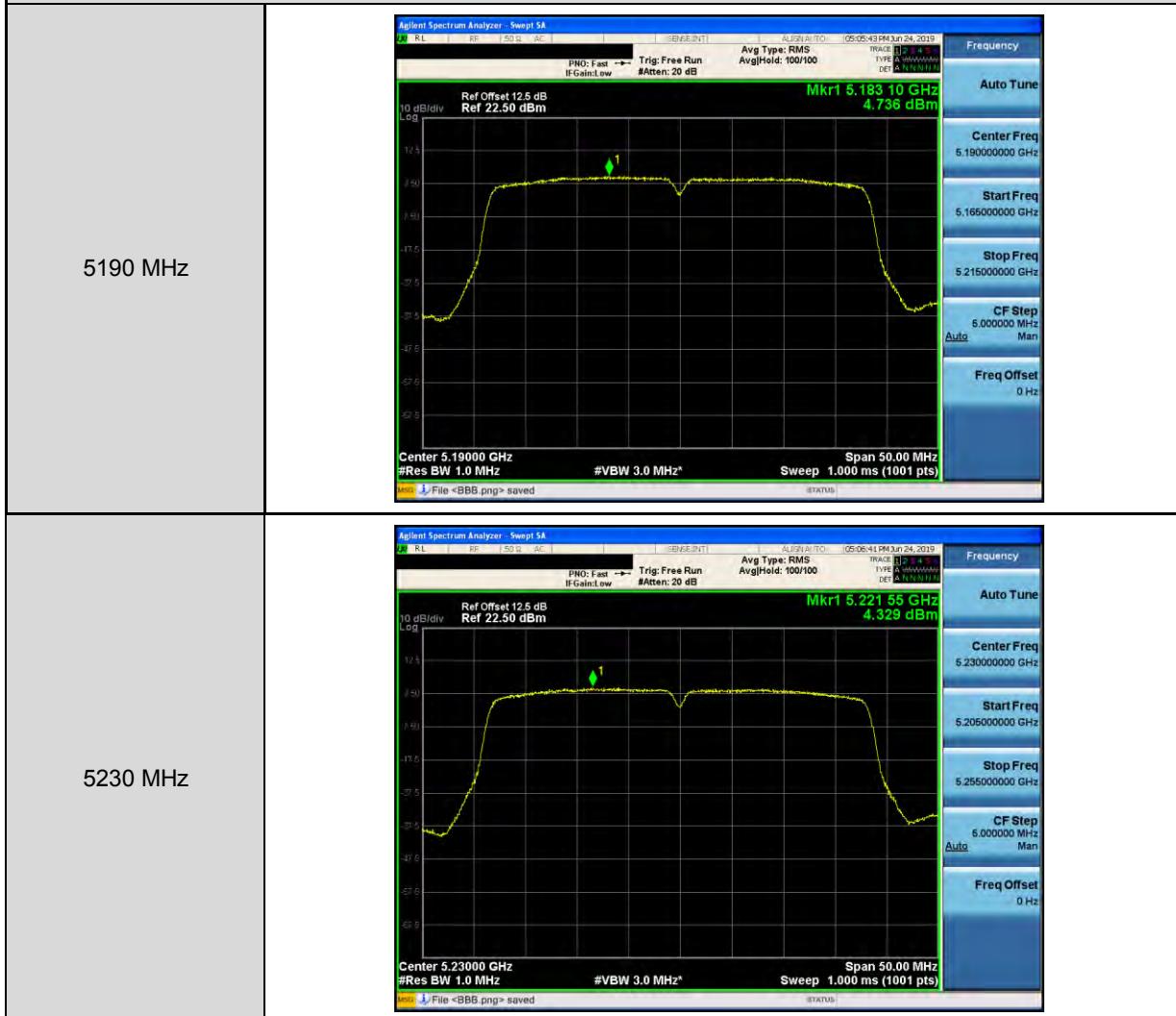
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-2



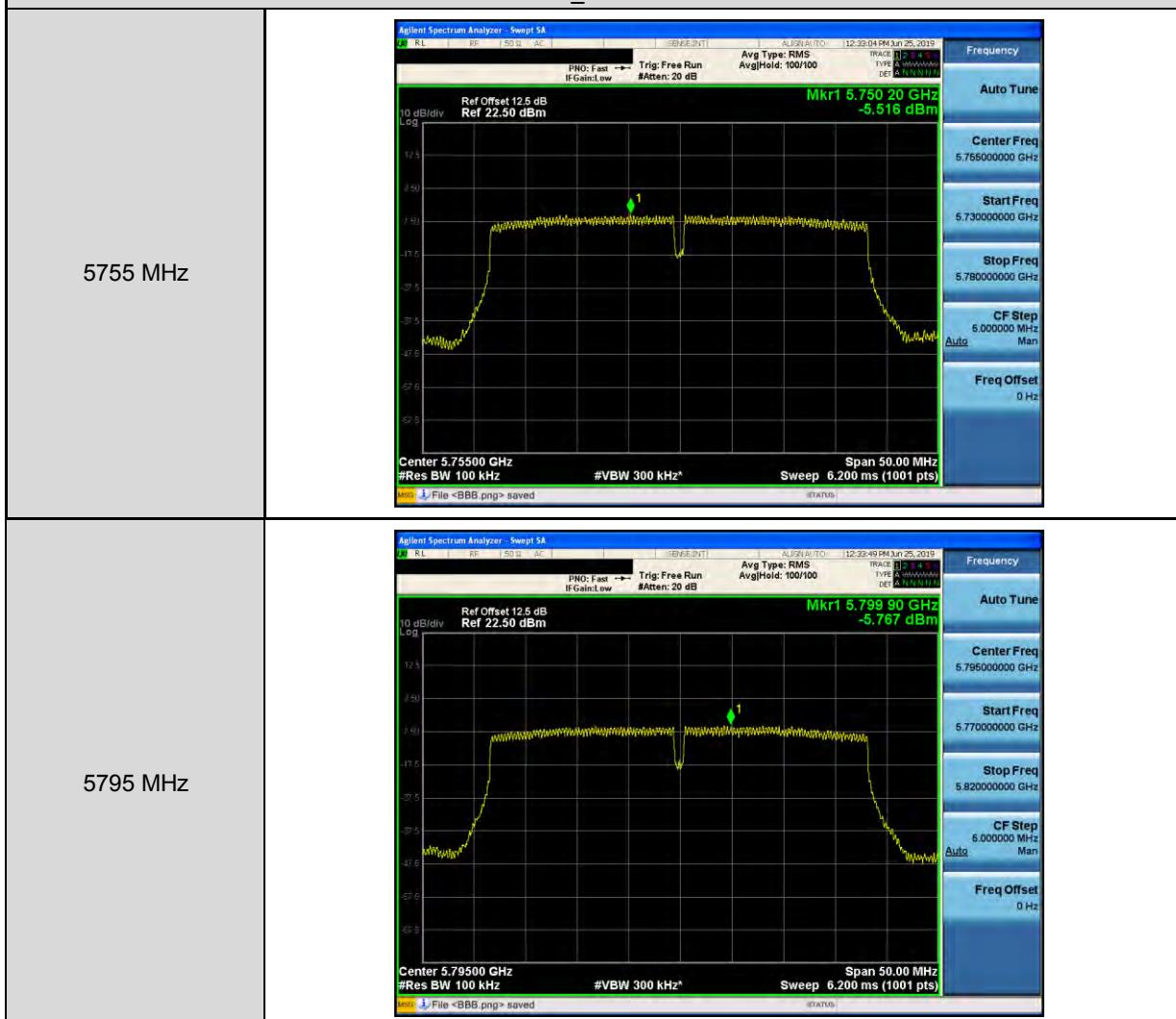
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-2



Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-2



Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-2



Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-2

5210 MHz

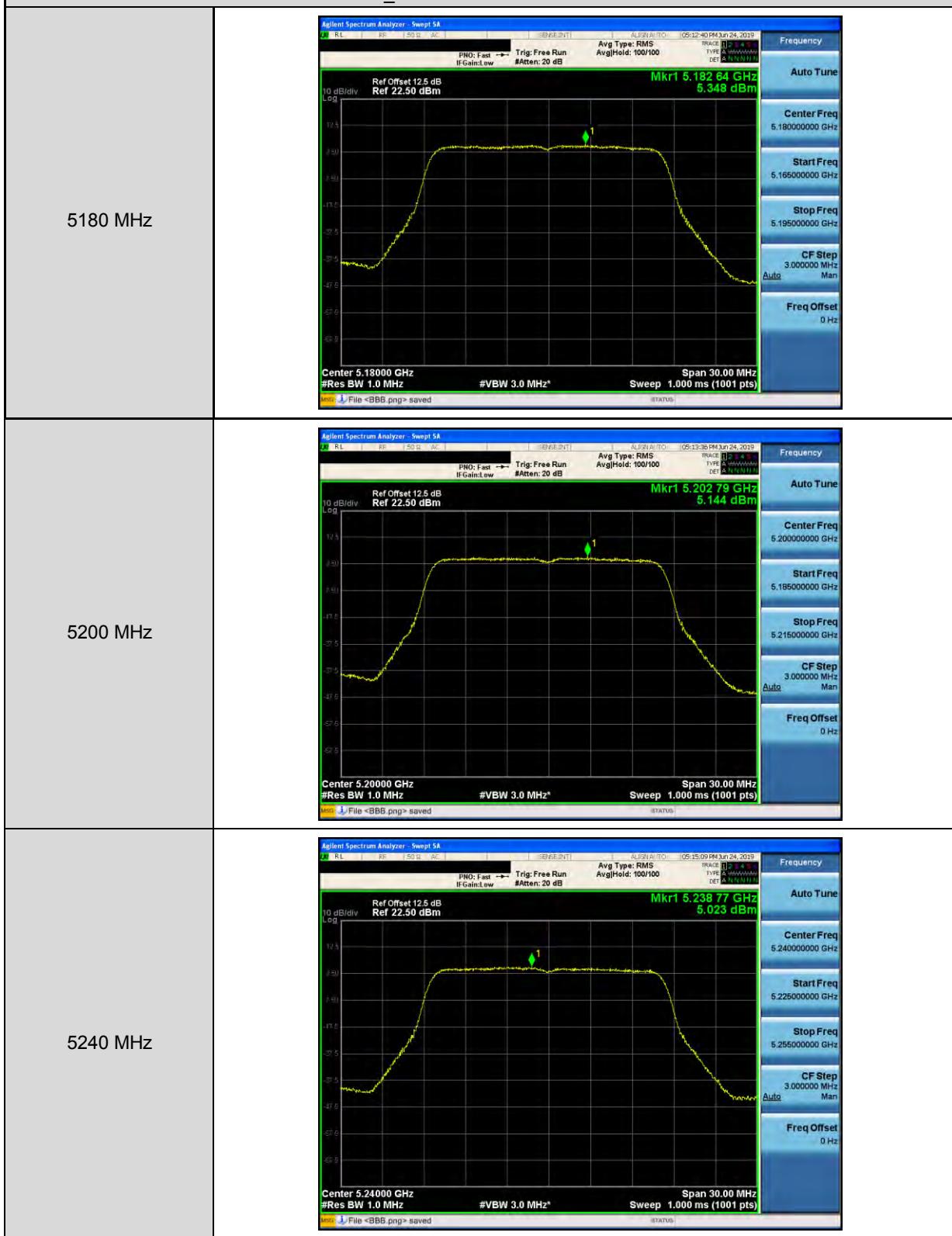


Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-2

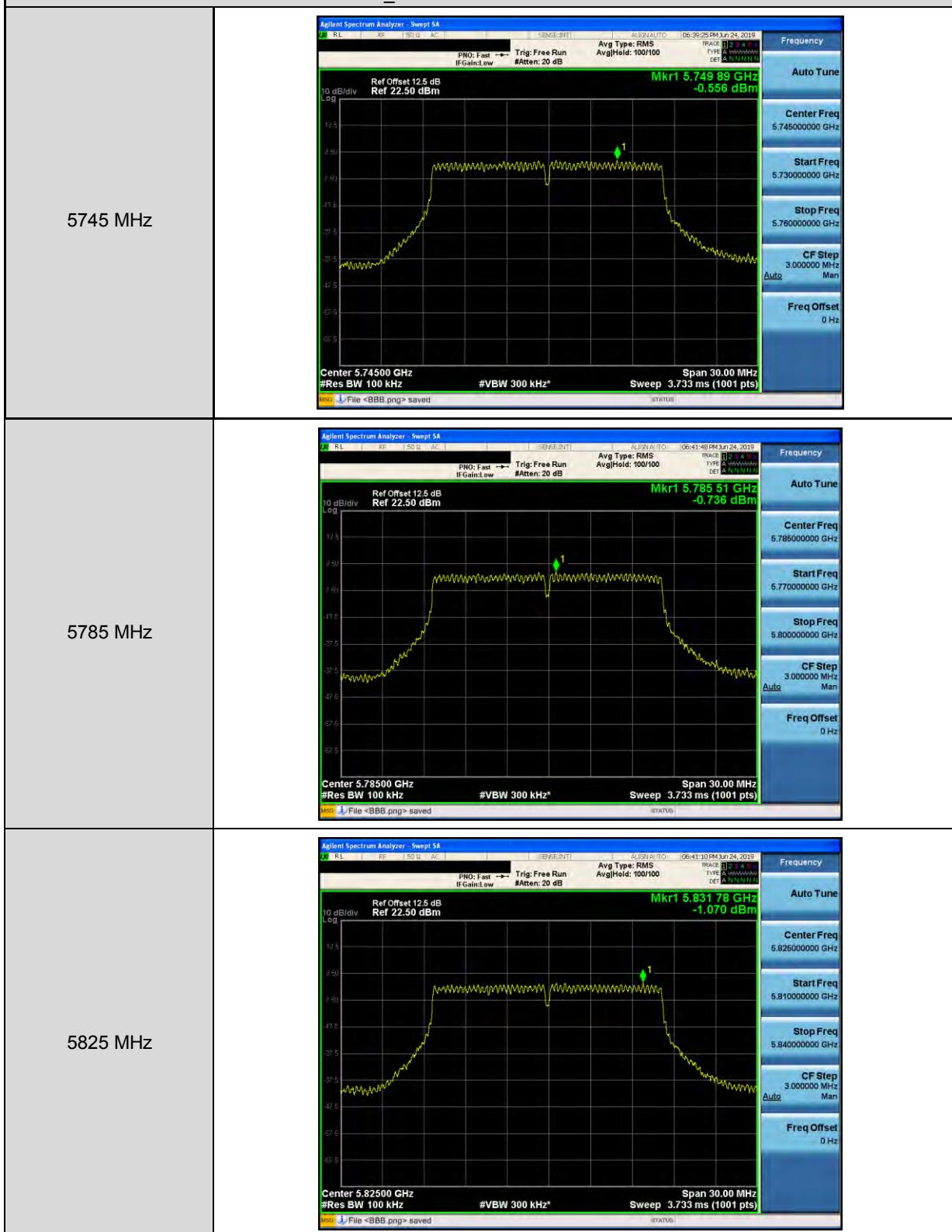
5775 MHz



Mode 2: IEEE 802.11a Continuous TX mode_ ANT-3



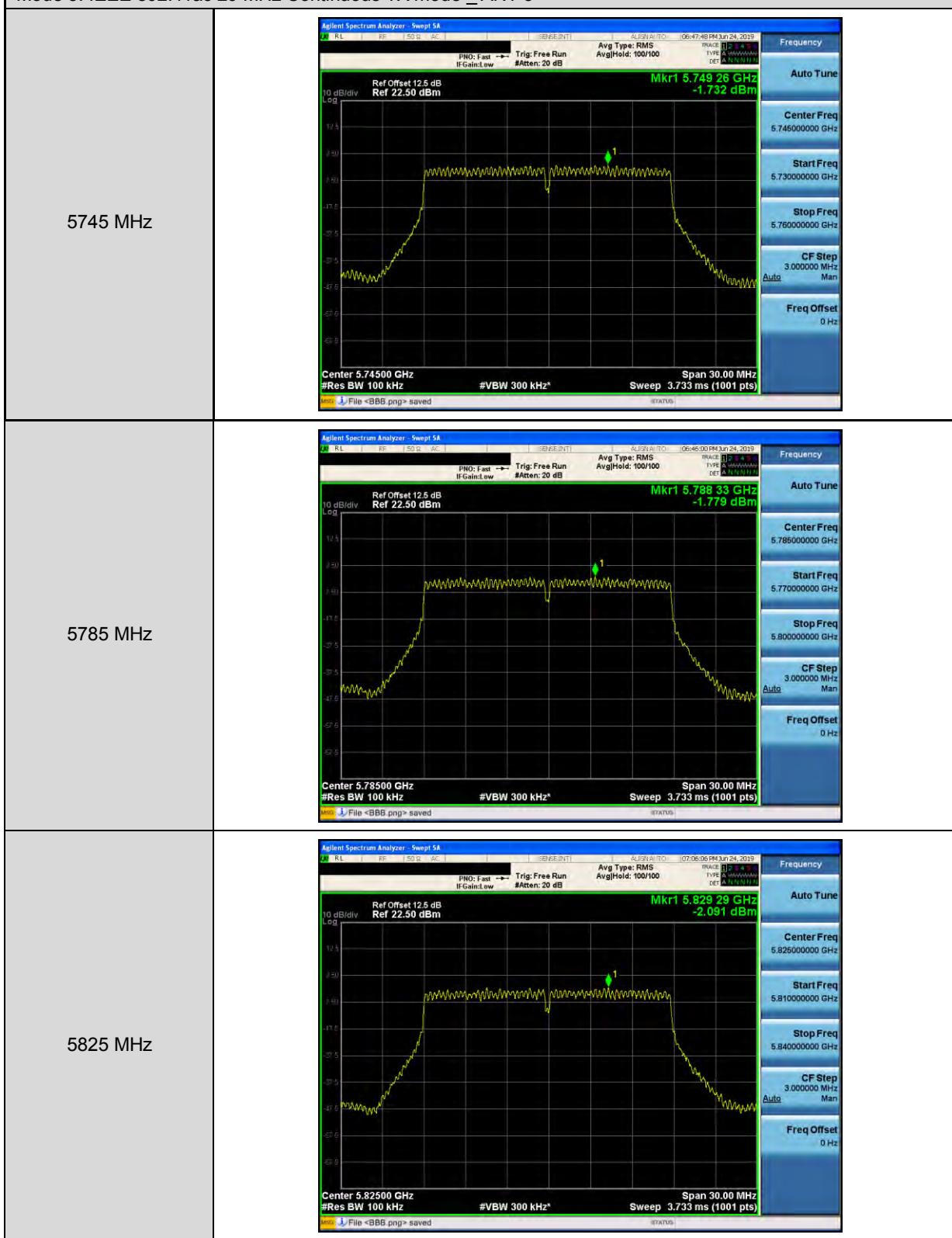
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-3



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



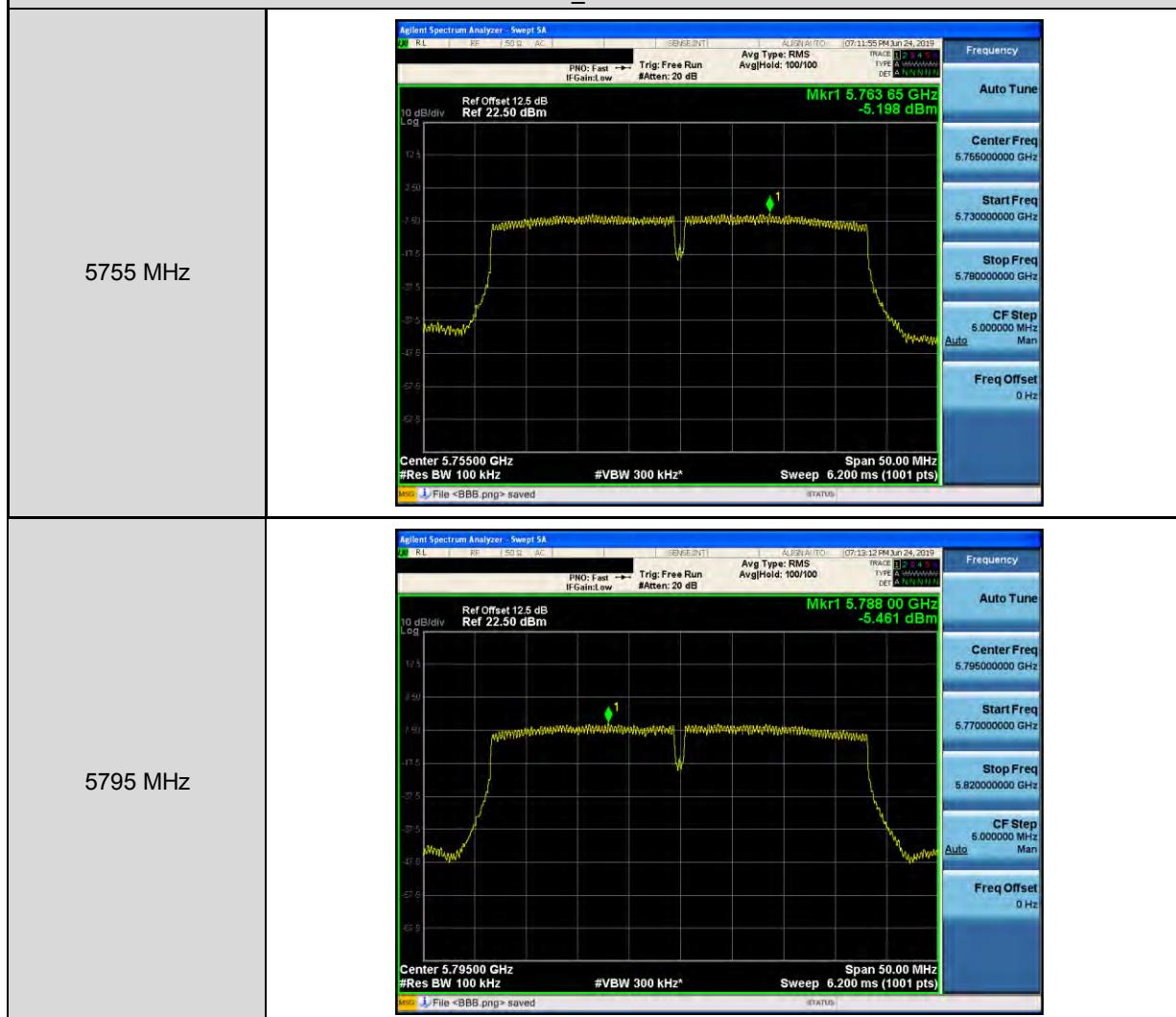
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-3



Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-3



Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-3



Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-3

5210 MHz



Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-3

5775 MHz



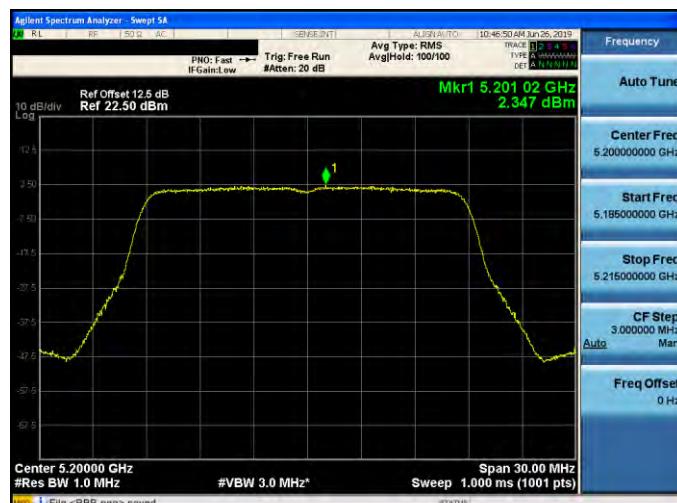
Beamforming on

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

5180 MHz



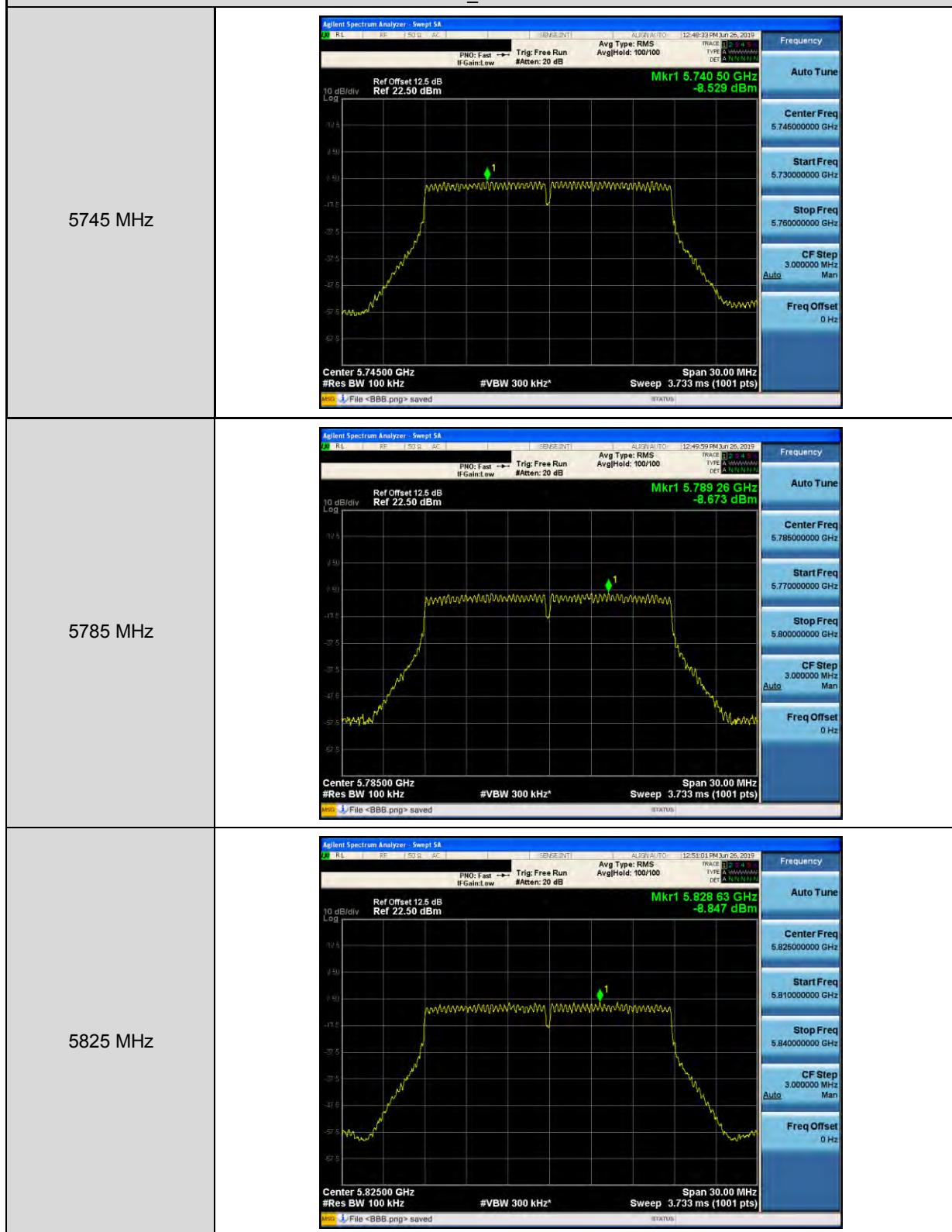
5200 MHz



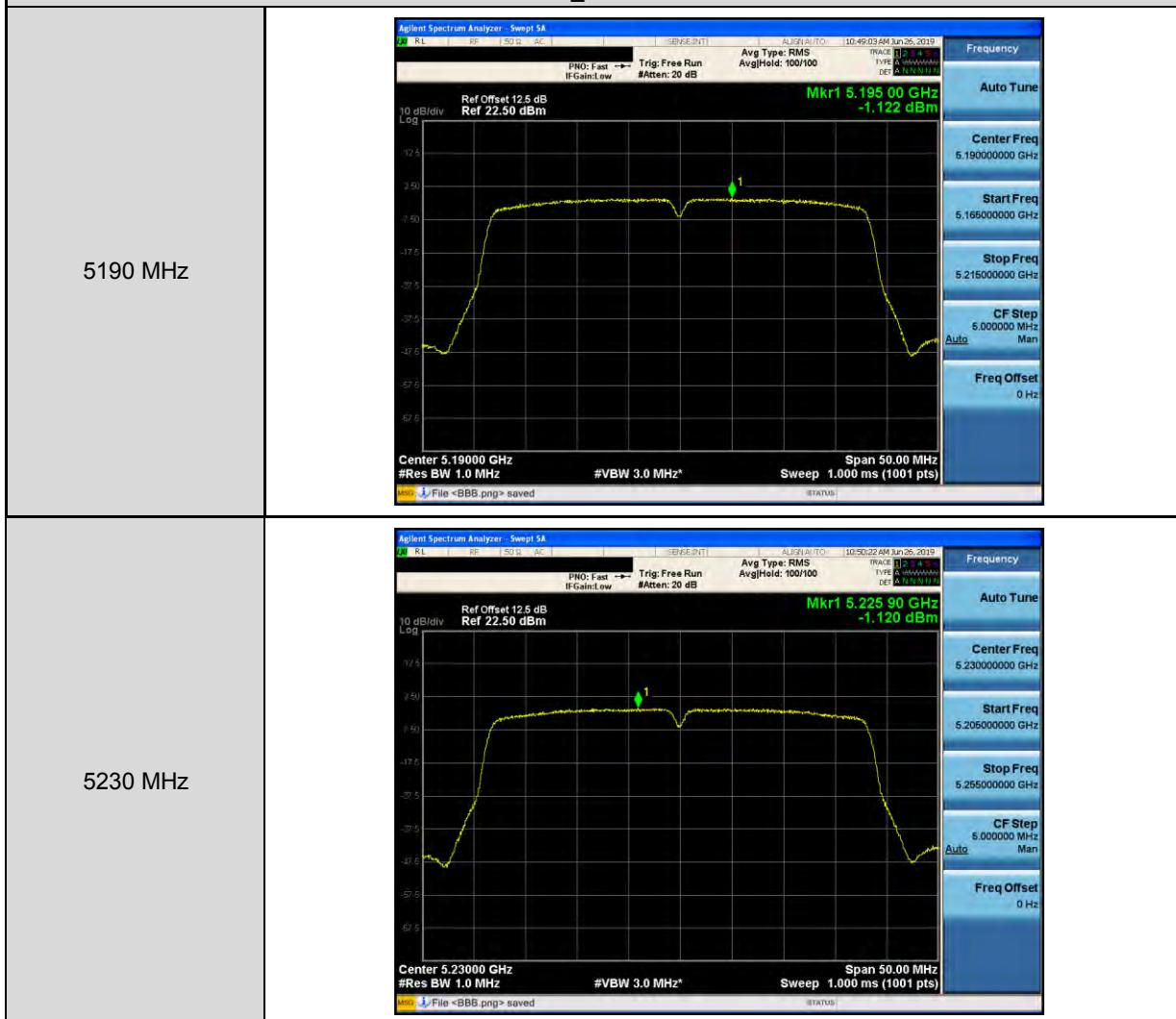
5240 MHz



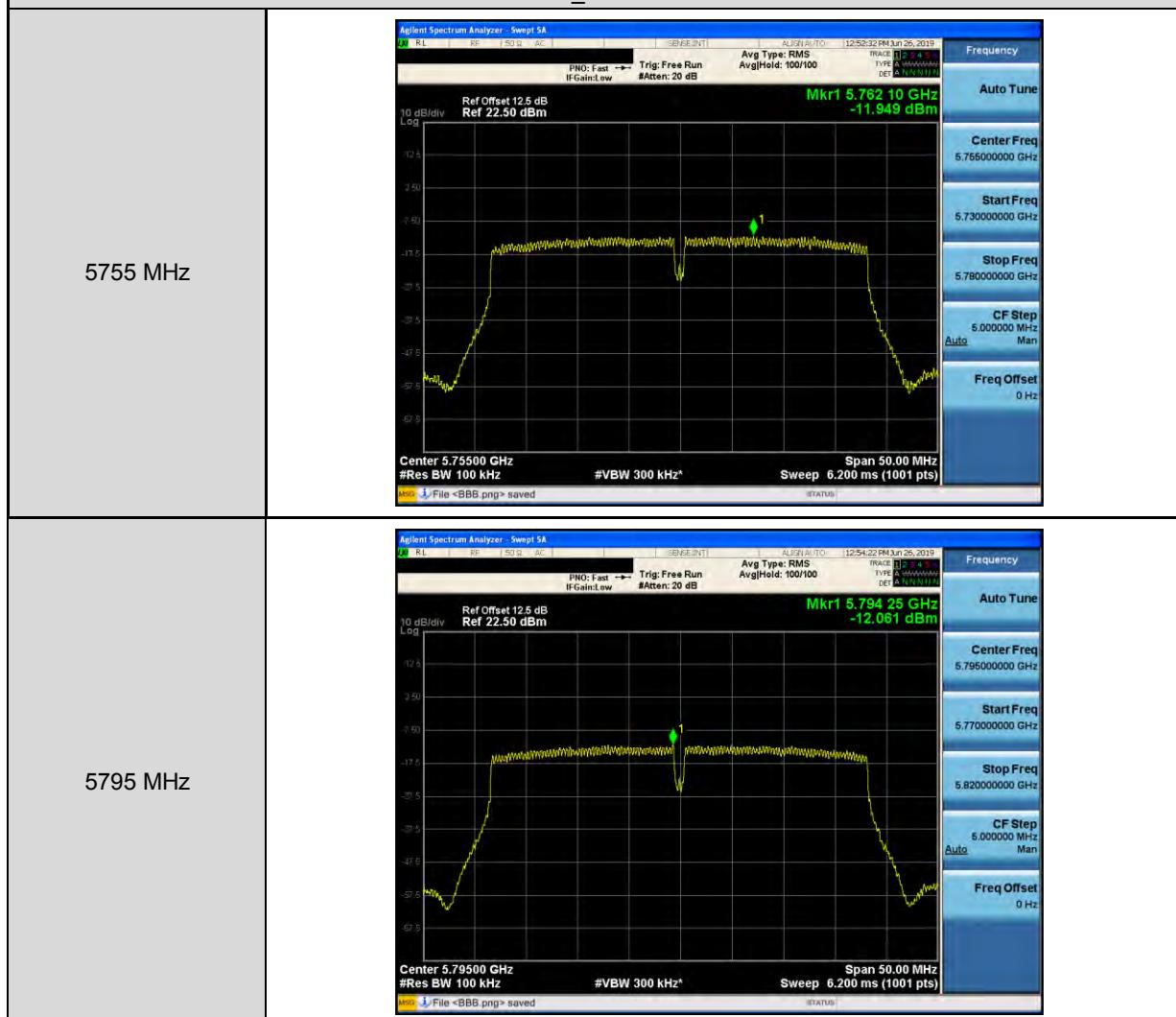
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-0



Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-0



Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-0



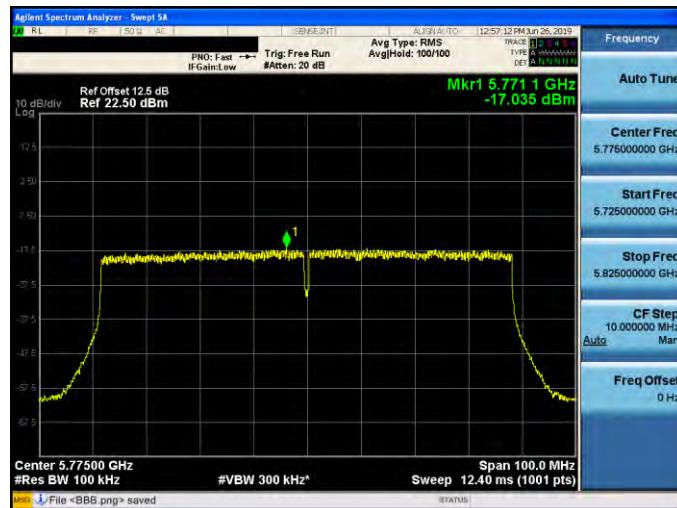
Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-0

5210 MHz

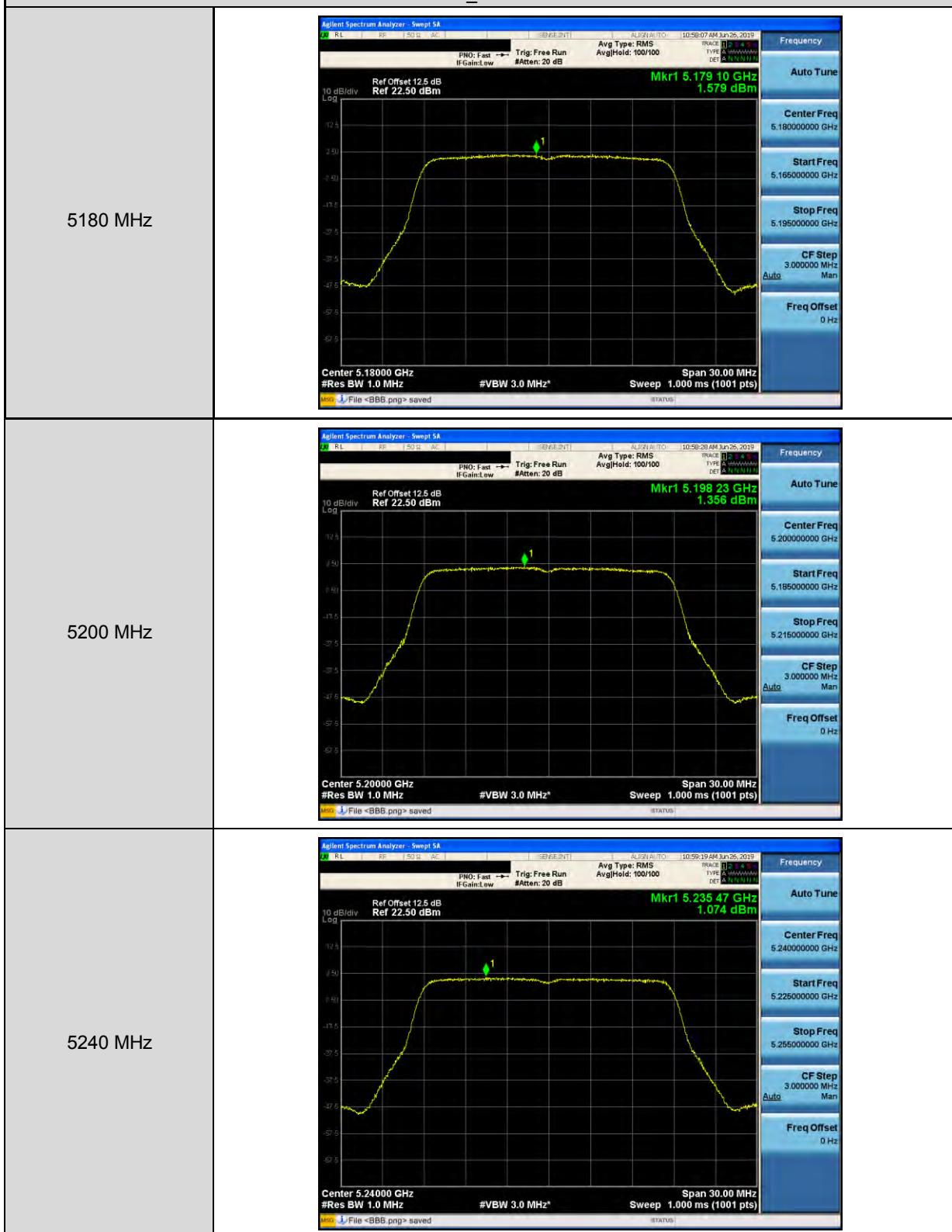


Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-0

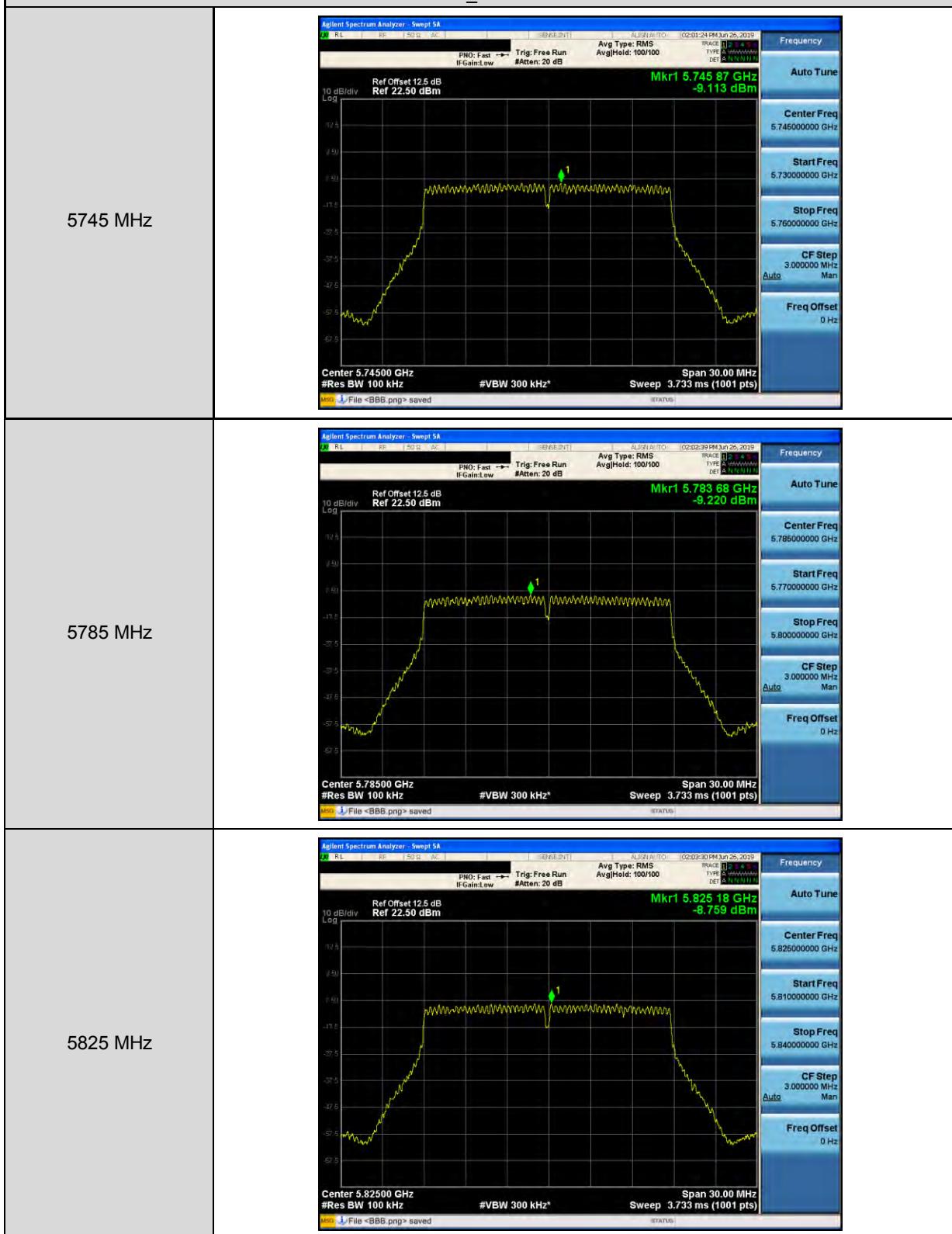
5775 MHz



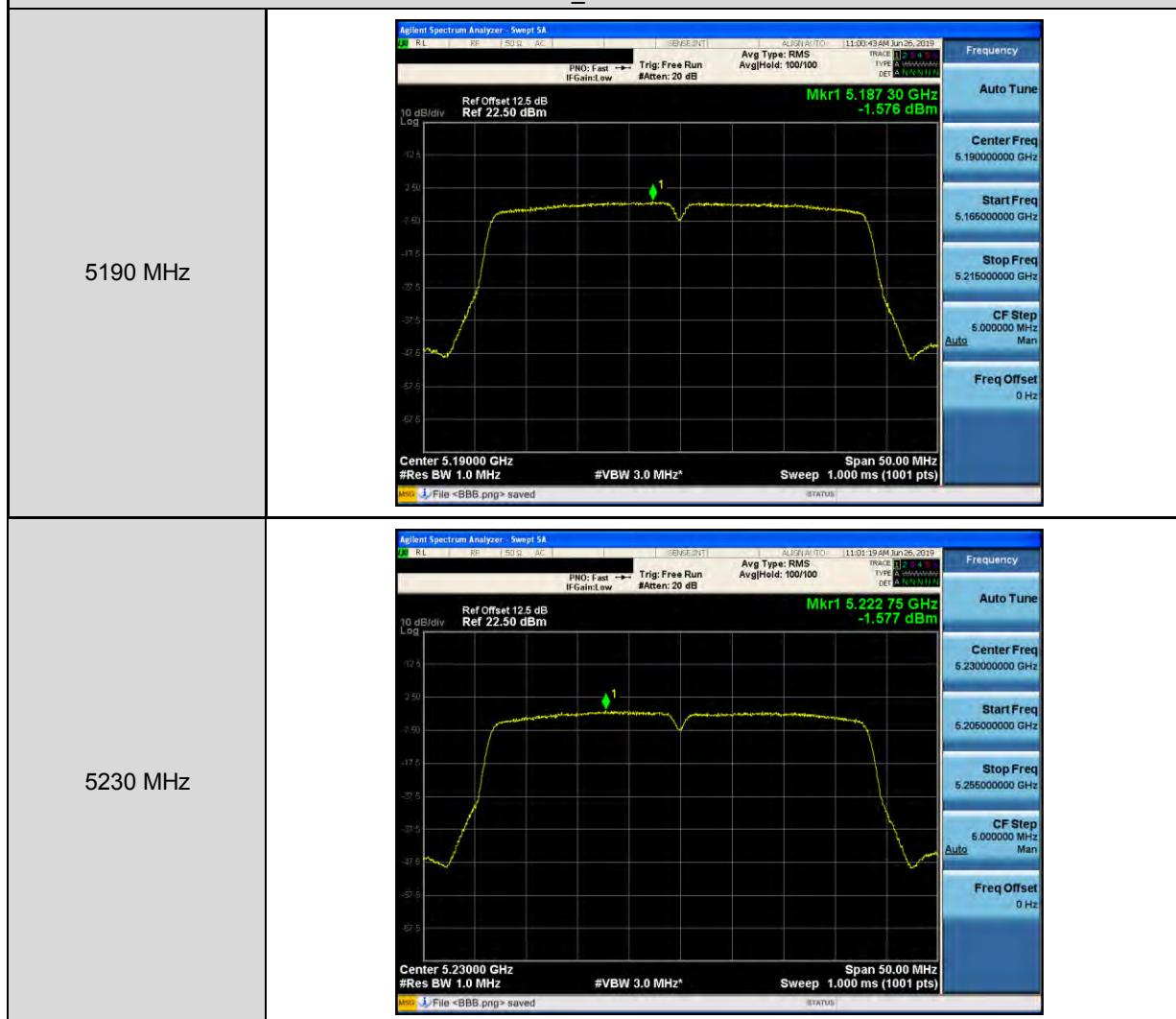
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-1



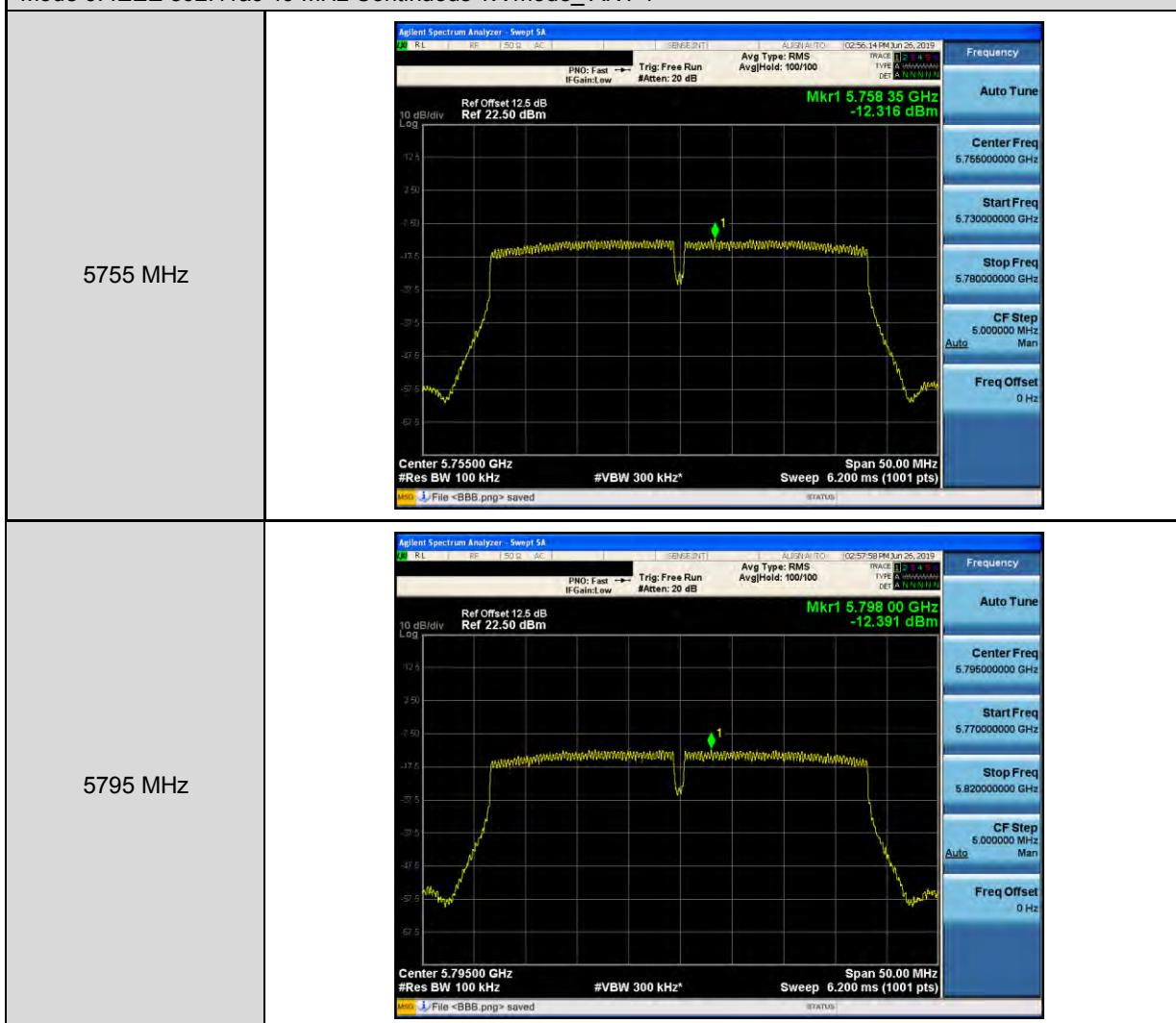
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-1



Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-1



Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-1



Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-1

5210 MHz

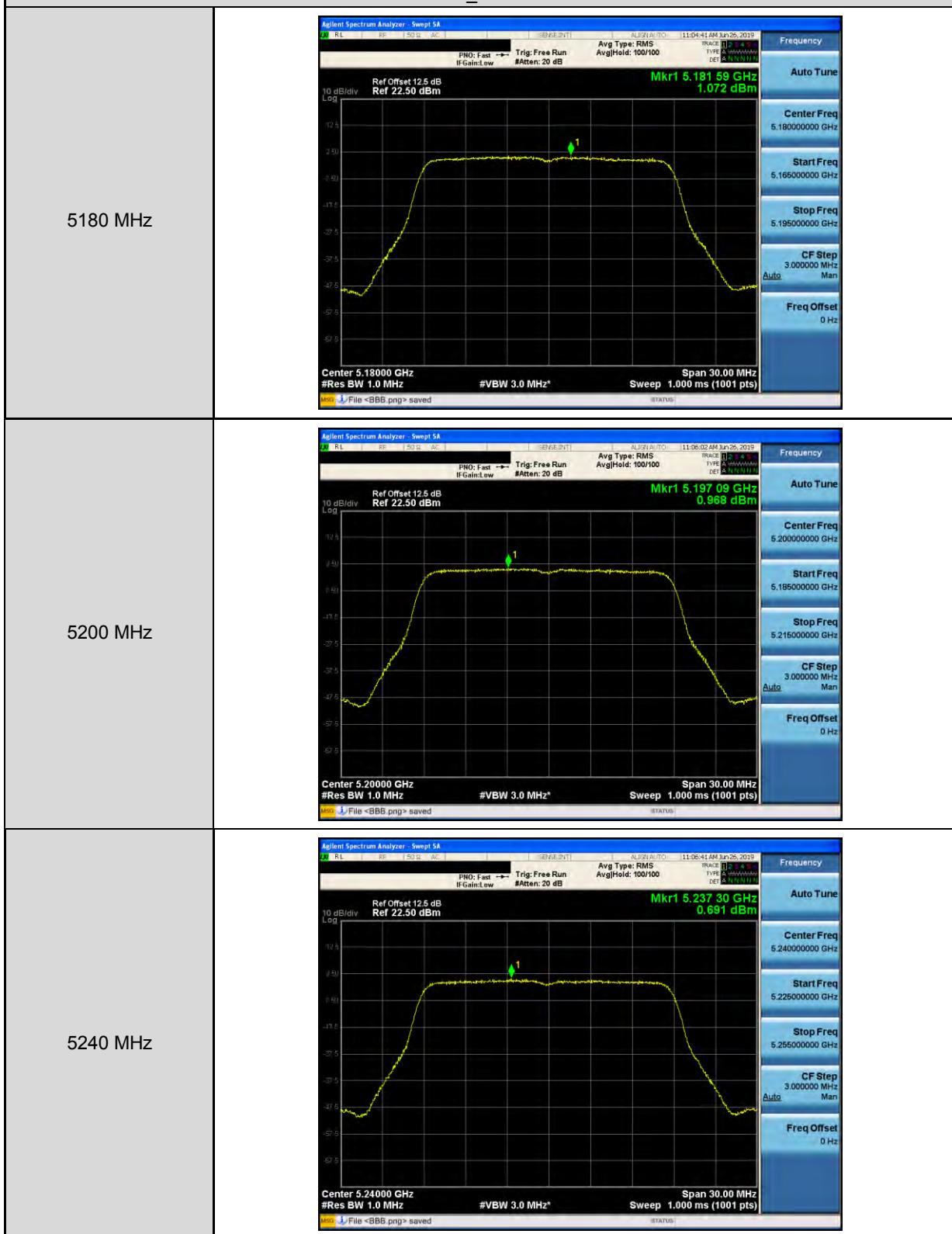


Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-1

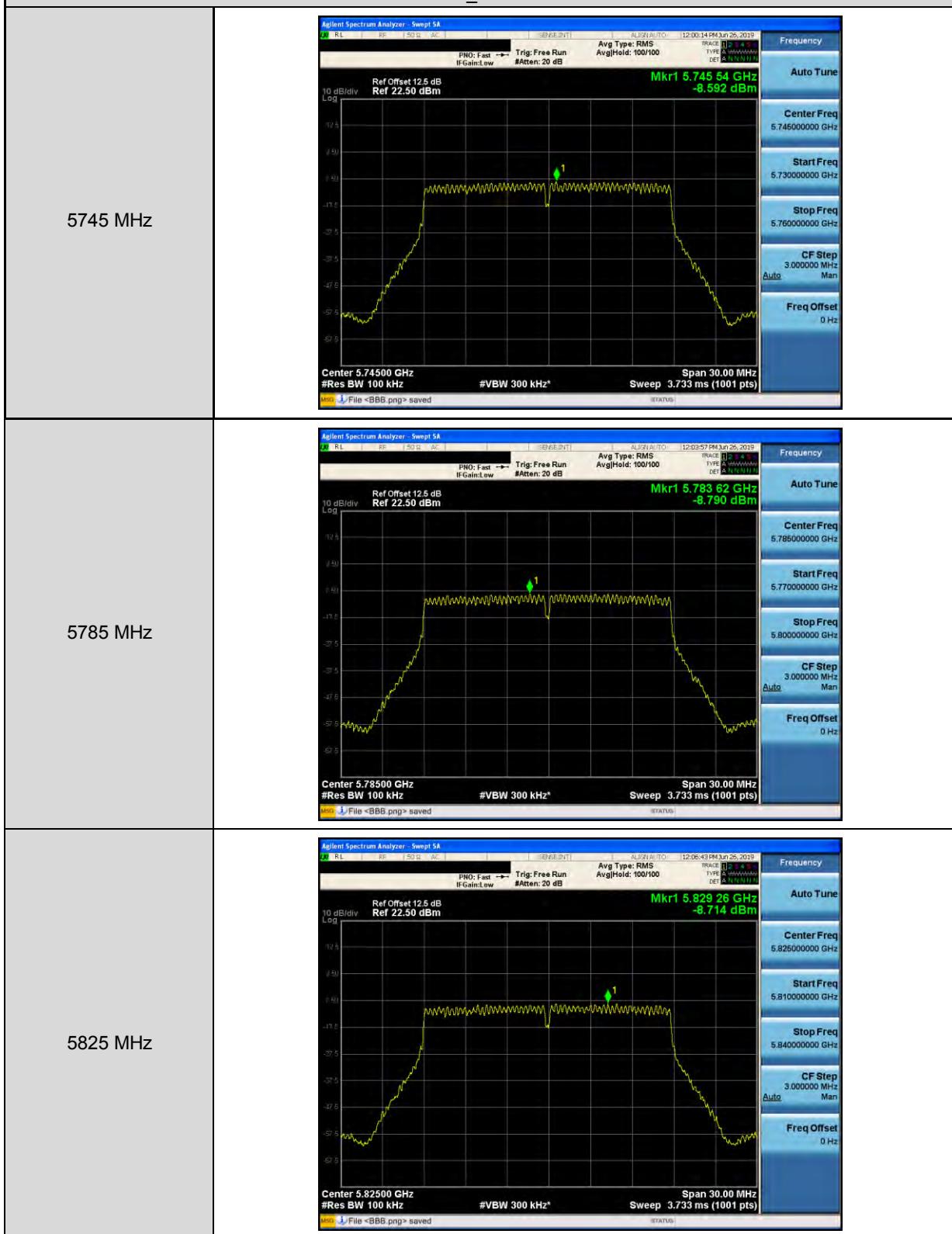
5775 MHz



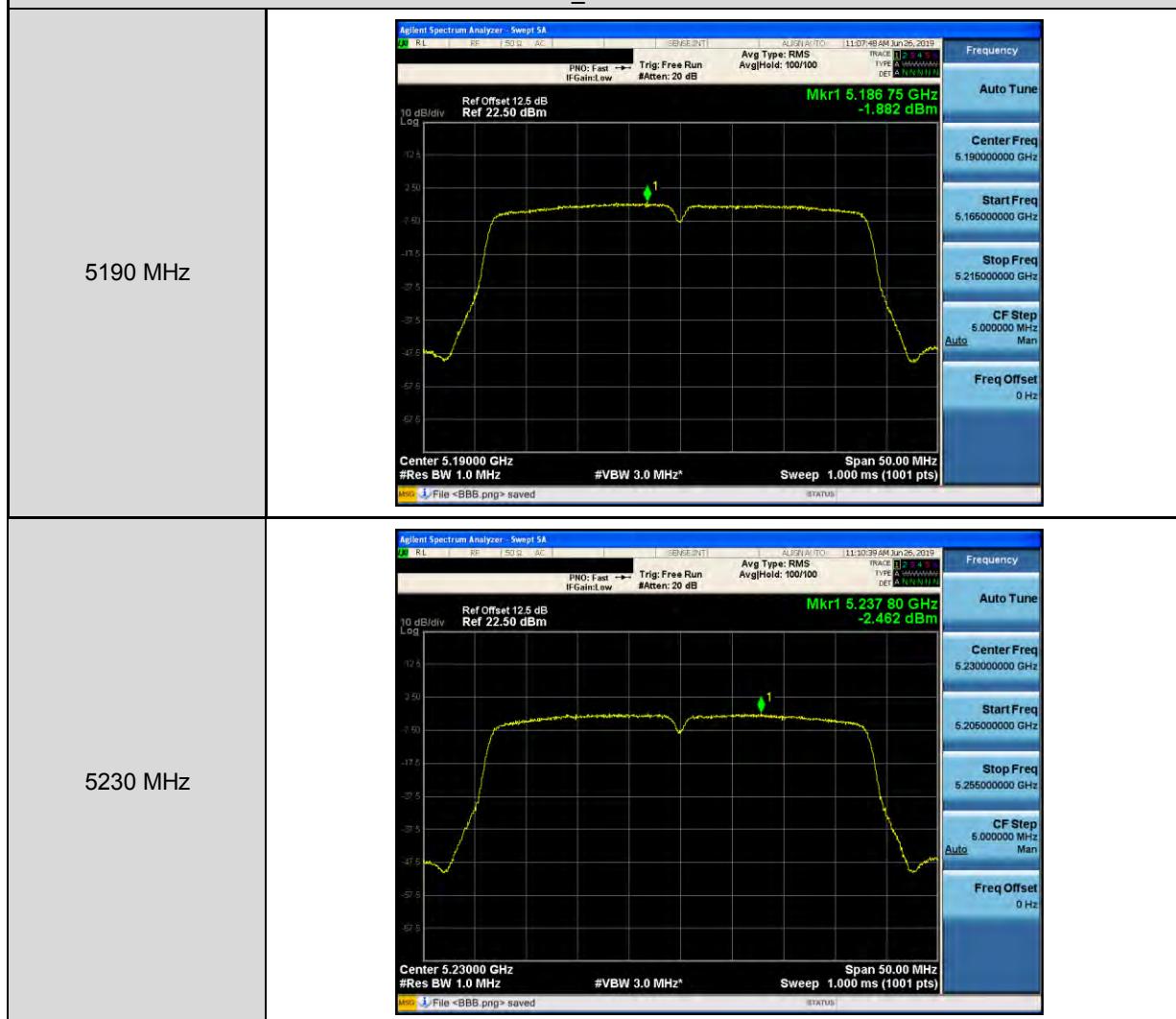
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-2



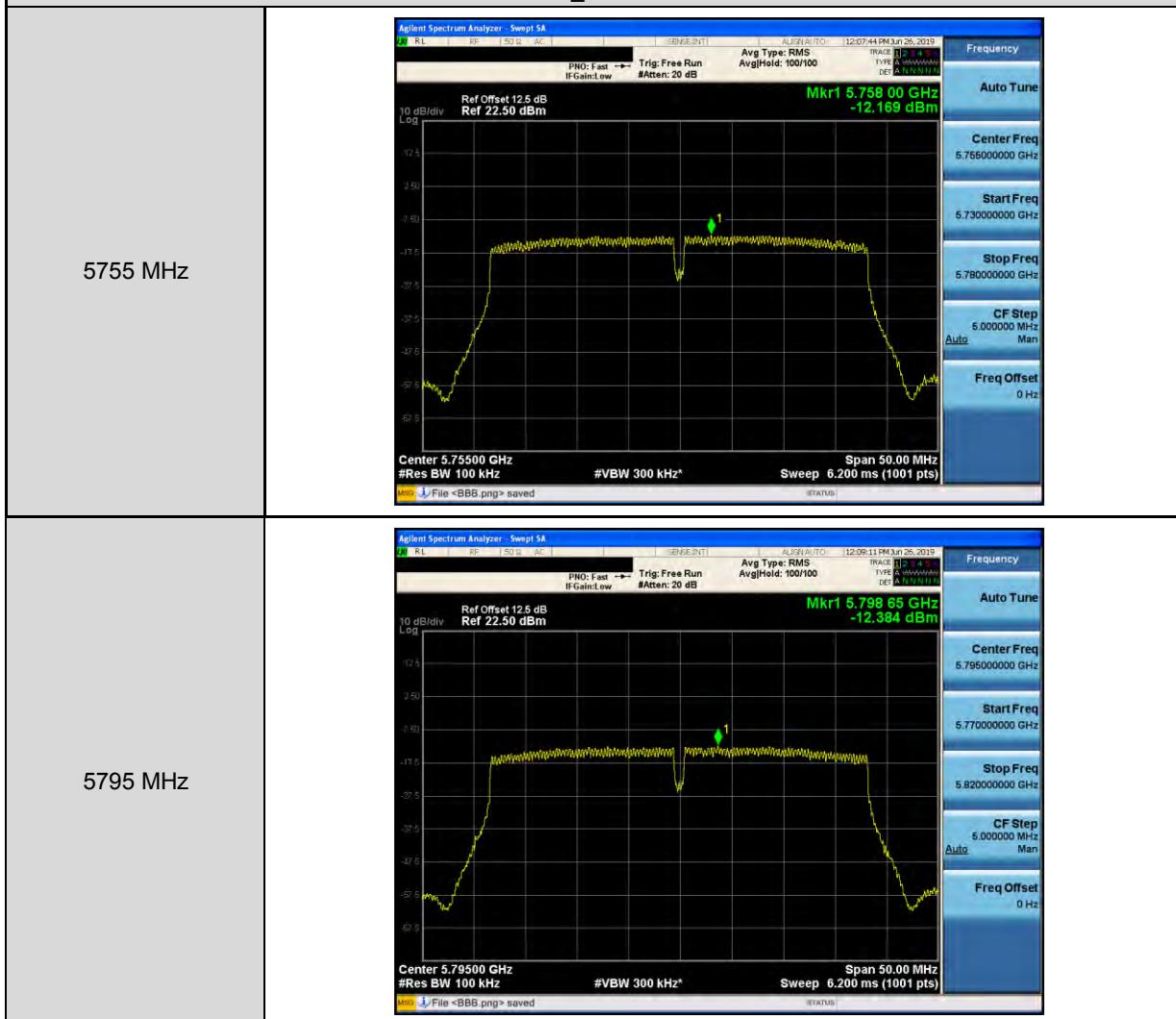
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-2



Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-2

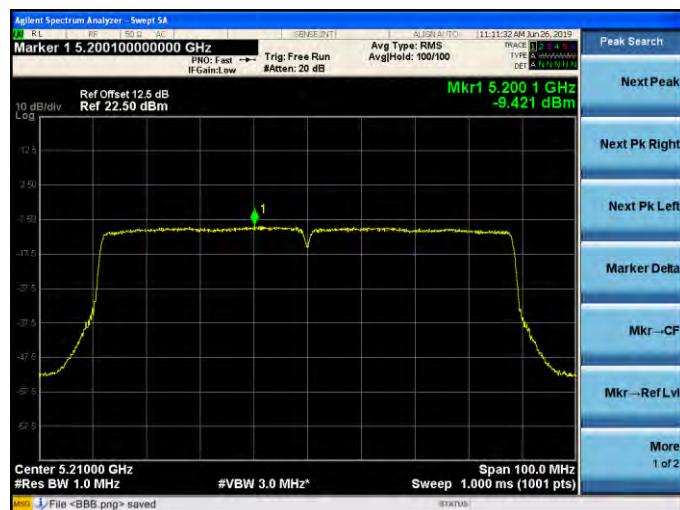


Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-2



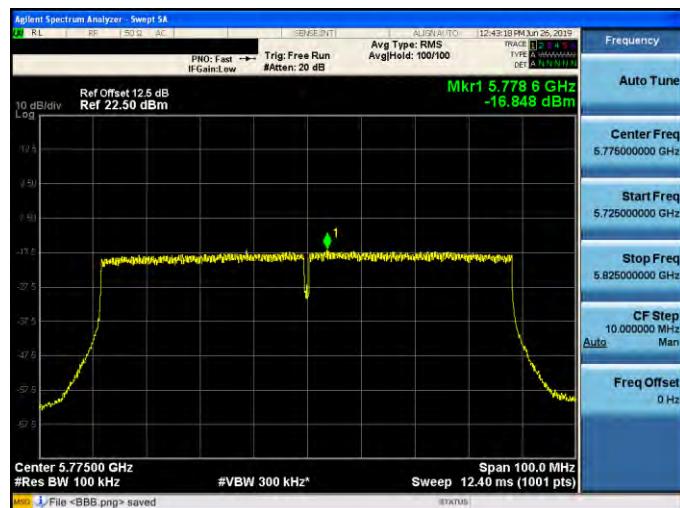
Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-2

5210 MHz

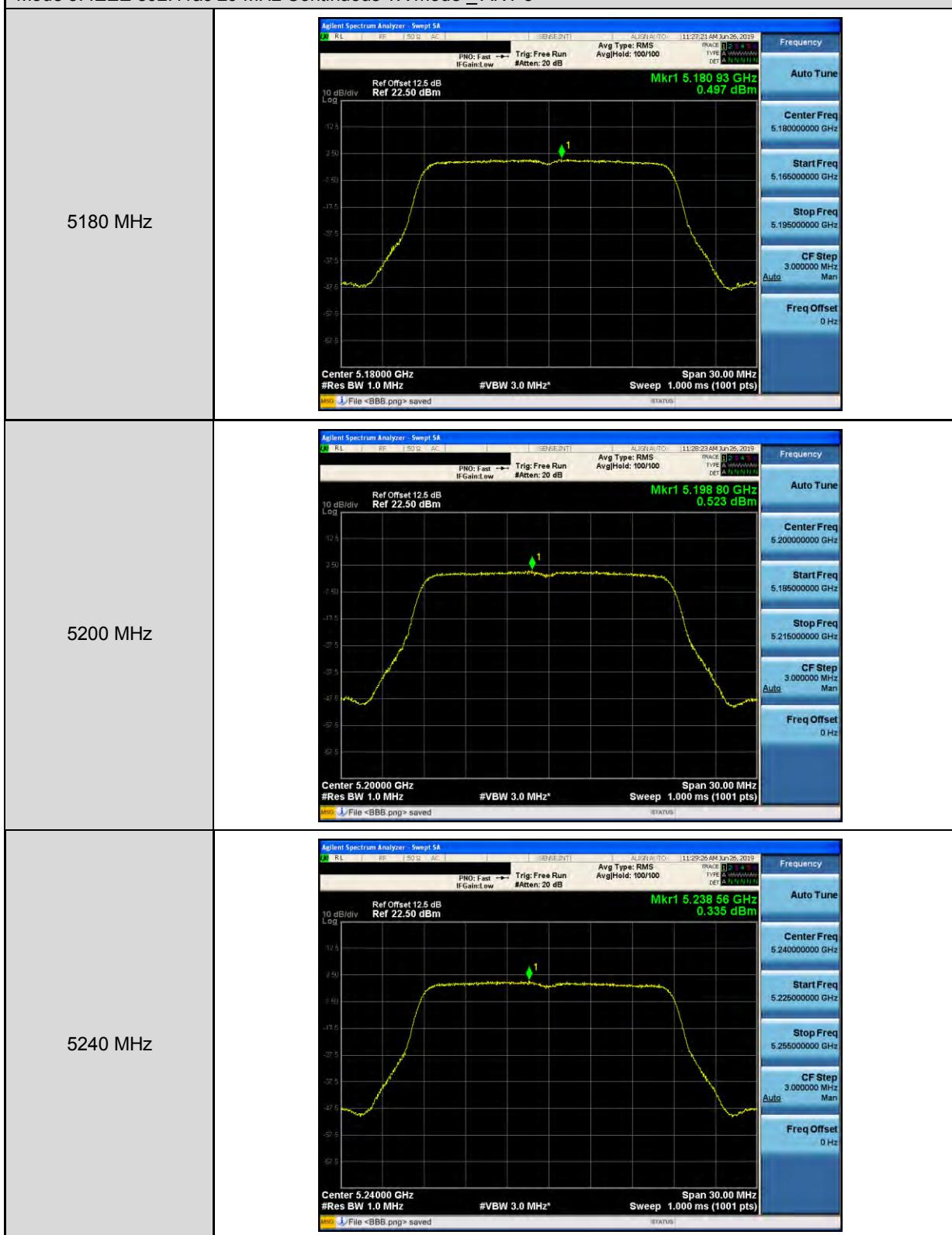


Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-2

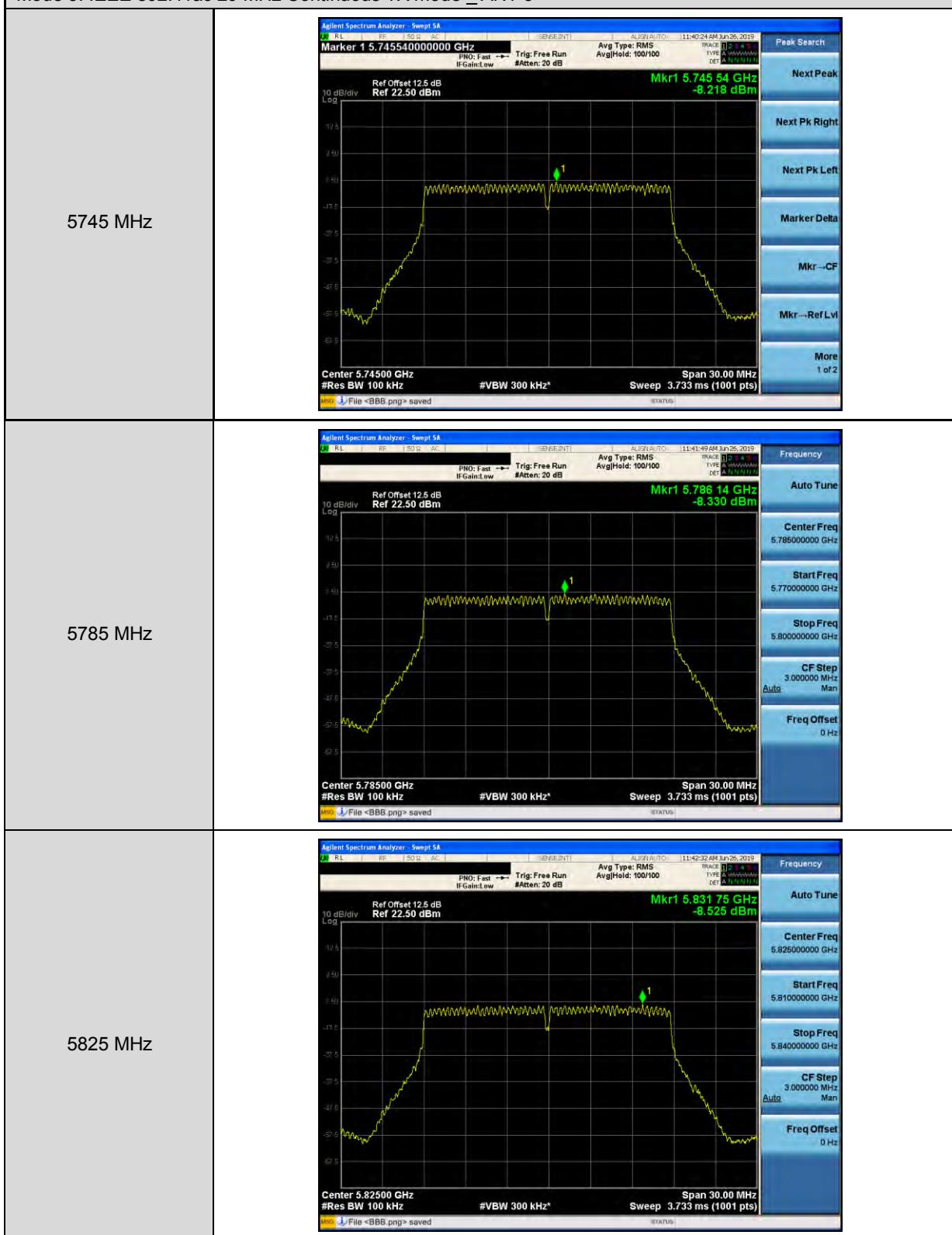
5775 MHz



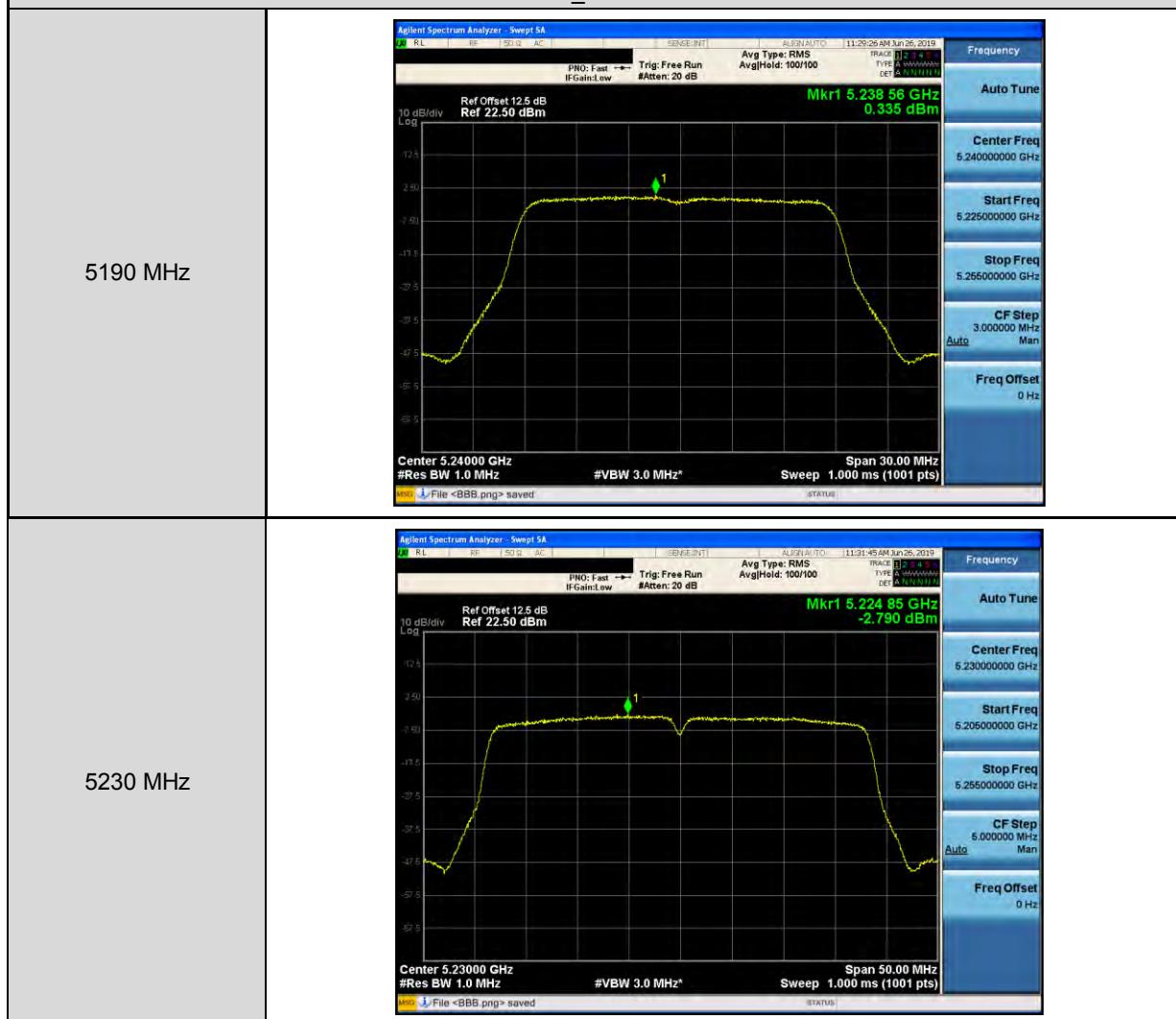
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-3



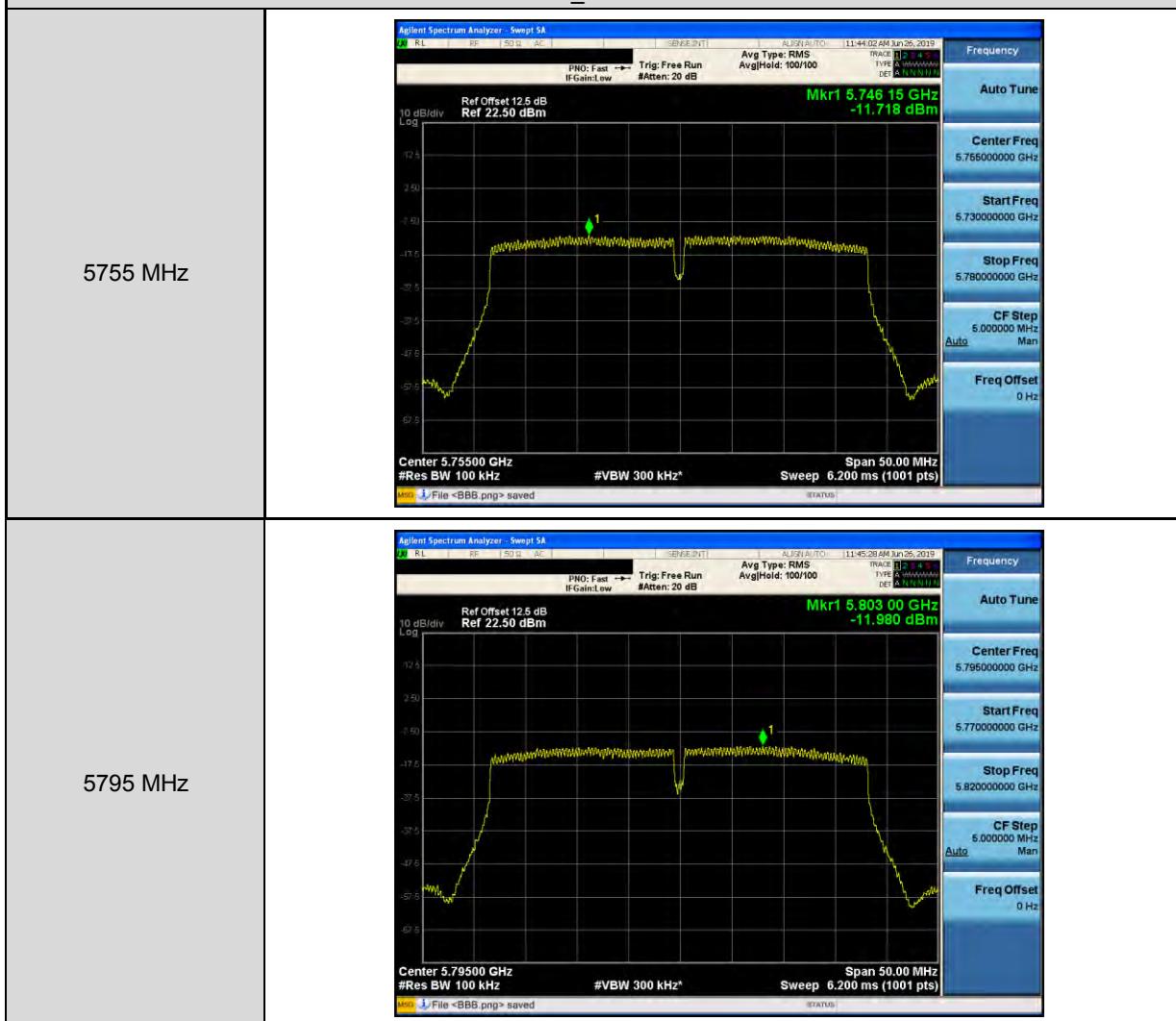
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-3



Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-3



Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-3



Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-3

5210 MHz



Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-3

5775 MHz



--- END ---