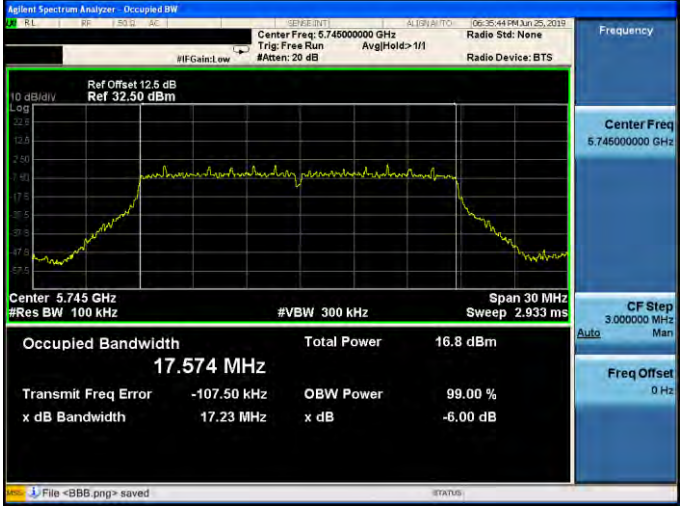
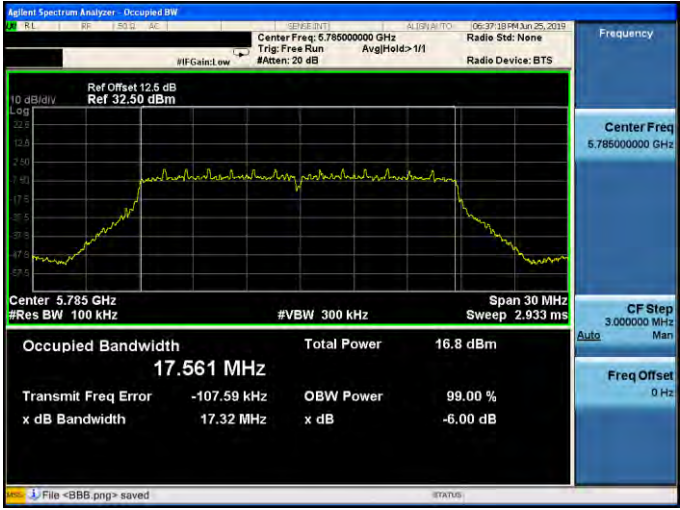
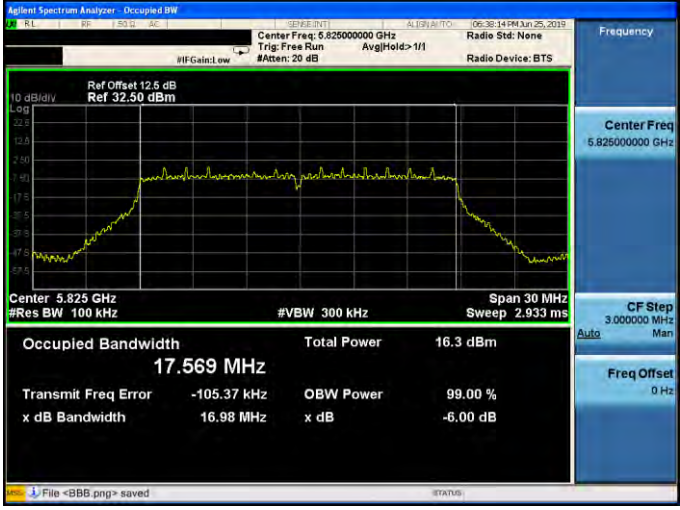


Beamforming on

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

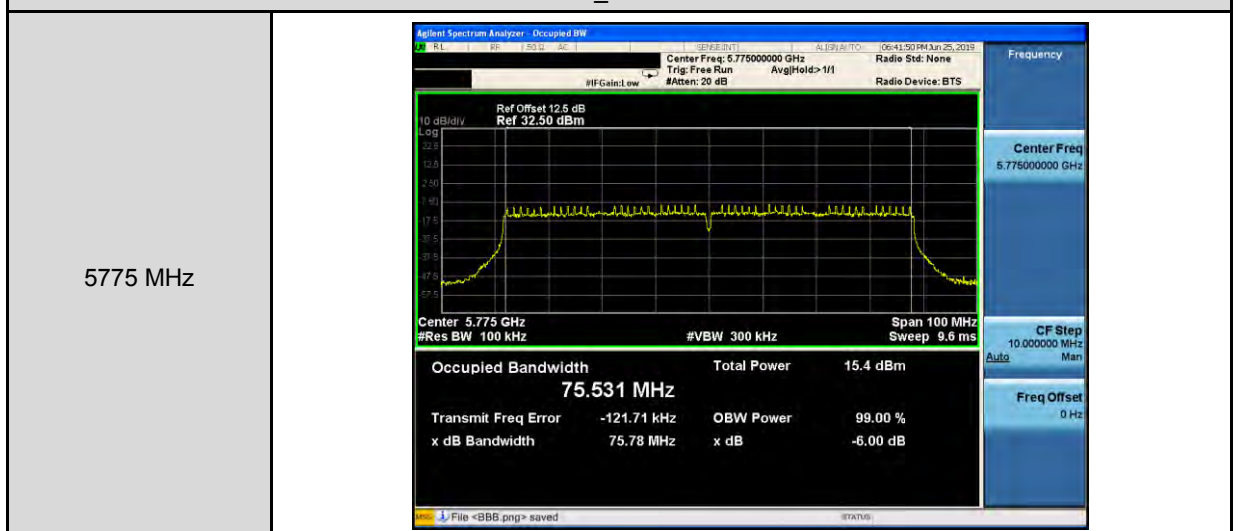
5745 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.74500000 GHz Trig: Free Run #Att: 20 dB Radio Std: None Radio Device: BTS Ref Offset 12.5 dB Ref 32.50 dBm Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms Occupied Bandwidth 17.574 MHz Total Power 16.8 dBm Transmit Freq Error -107.50 kHz OBW Power 99.00 % x dB Bandwidth 17.23 MHz x dB -6.00 dB File <BBB.png> saved
5785 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.78500000 GHz Trig: Free Run #Att: 20 dB Radio Std: None Radio Device: BTS Ref Offset 12.5 dB Ref 32.50 dBm Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms Occupied Bandwidth 17.561 MHz Total Power 16.8 dBm Transmit Freq Error -107.59 kHz OBW Power 99.00 % x dB Bandwidth 17.32 MHz x dB -6.00 dB File <BBB.png> saved
5825 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.82500000 GHz Trig: Free Run #Att: 20 dB Radio Std: None Radio Device: BTS Ref Offset 12.5 dB Ref 32.50 dBm Center 5.825 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms Occupied Bandwidth 17.569 MHz Total Power 16.3 dBm Transmit Freq Error -105.37 kHz OBW Power 99.00 % x dB Bandwidth 16.98 MHz x dB -6.00 dB File <BBB.png> saved



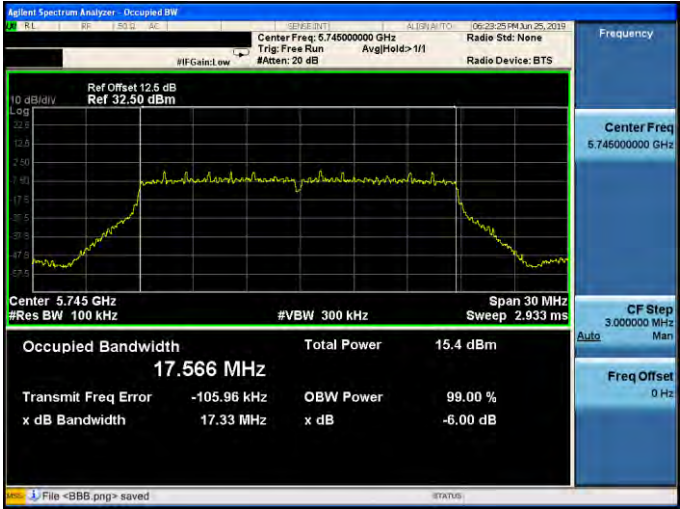
Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0



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

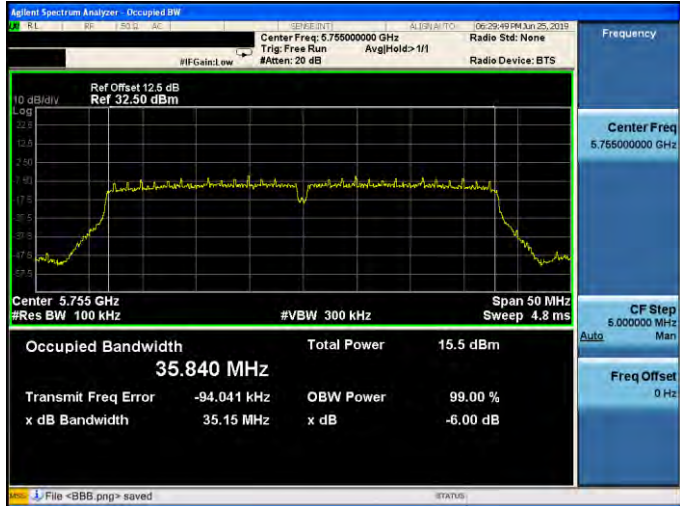
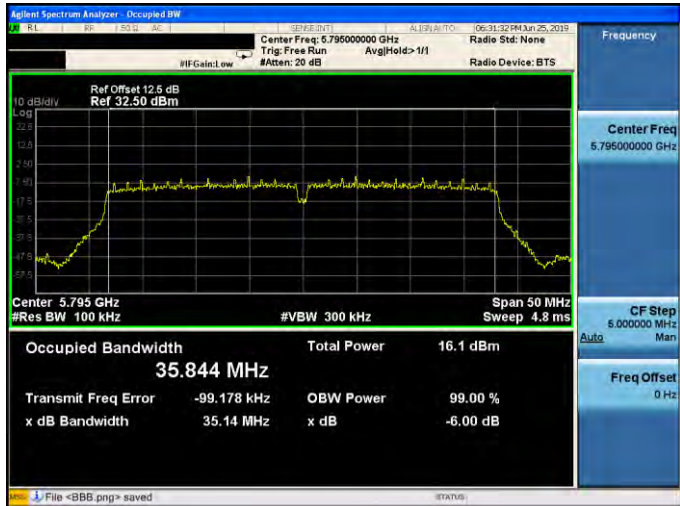




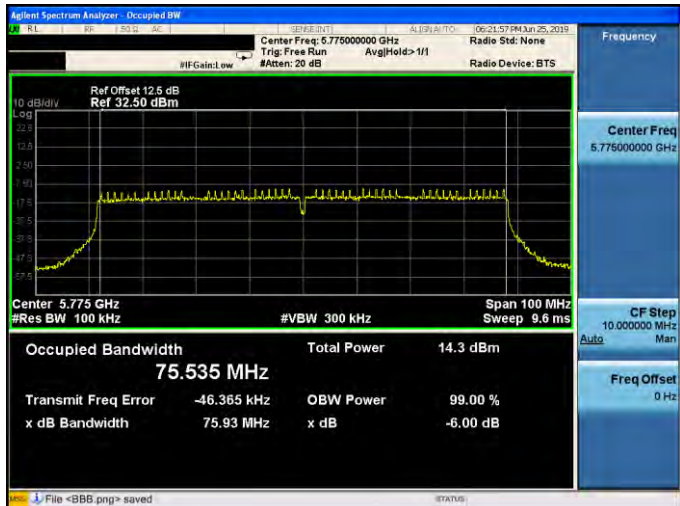
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5745 MHz	
5785 MHz	
5825 MHz	



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

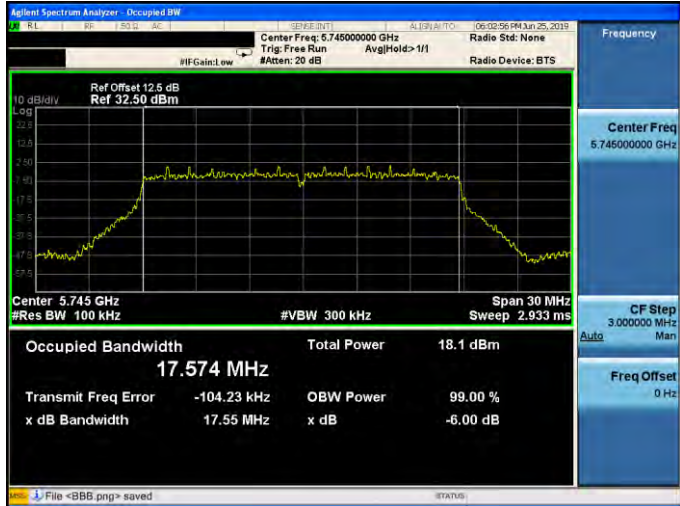
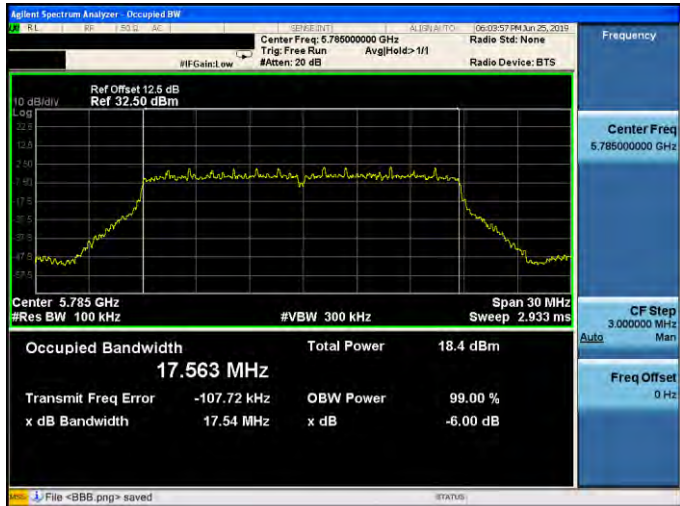
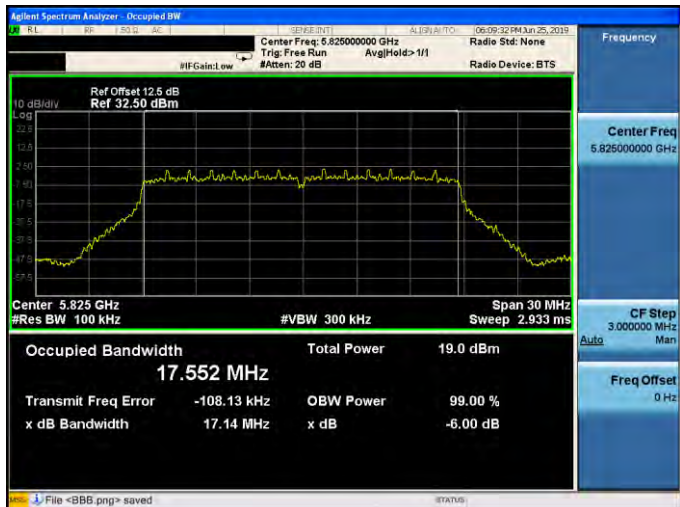
5755 MHz	
5795 MHz	

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

5775 MHz	
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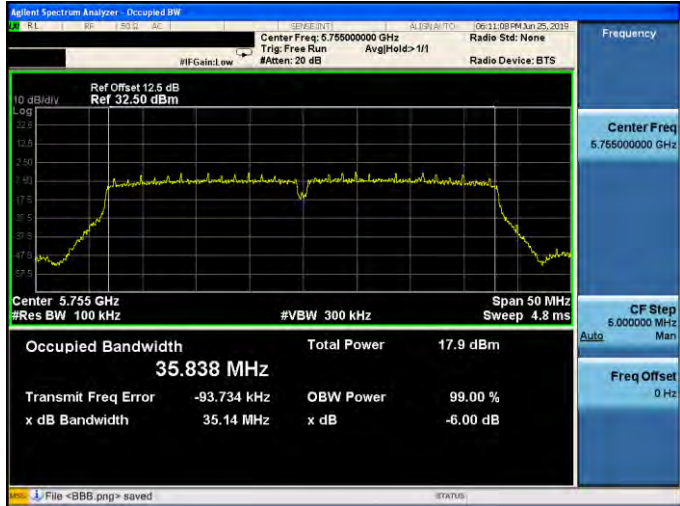


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-2

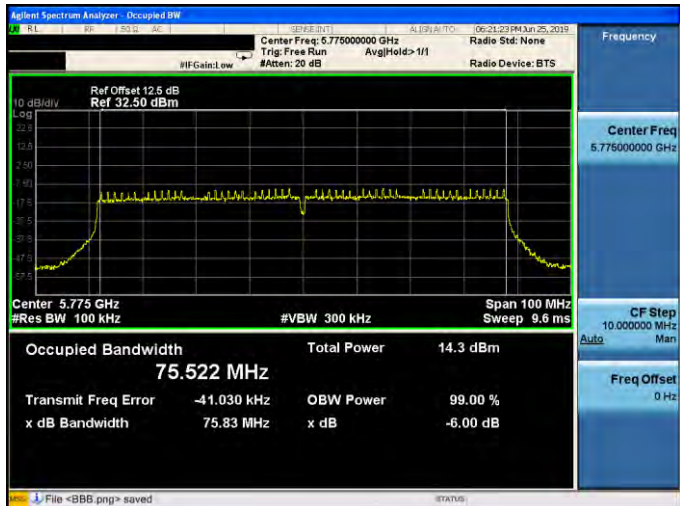
5745 MHz	
5785 MHz	
5825 MHz	



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

5755 MHz	
5795 MHz	

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

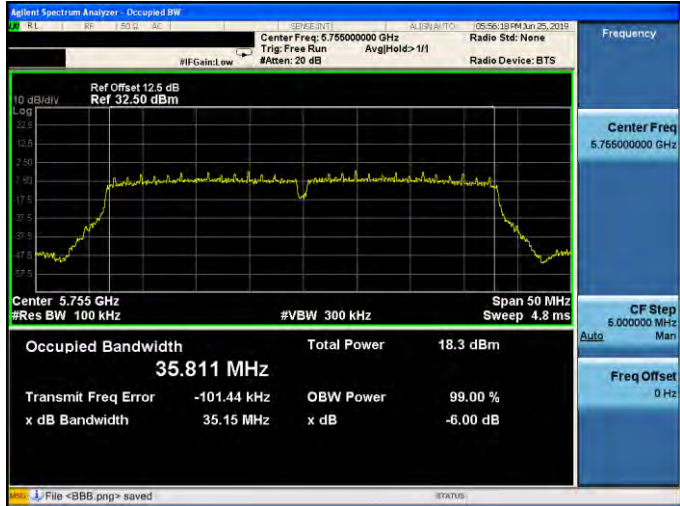
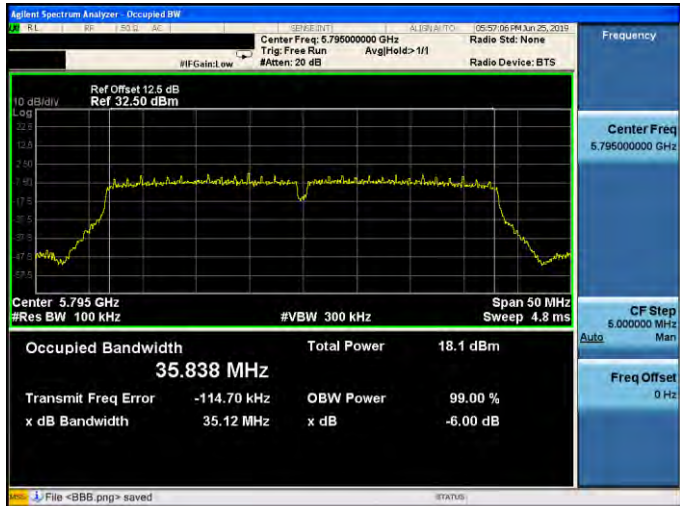
5775 MHz	
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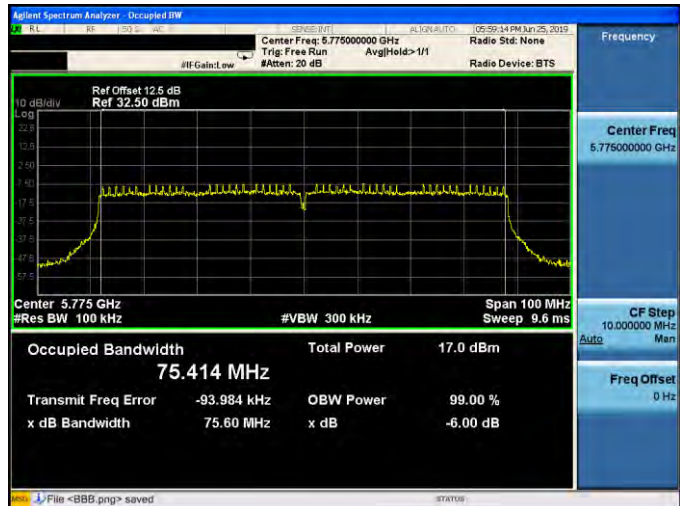
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-3	
5745 MHz	
5785 MHz	
5825 MHz	



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

5755 MHz	
5795 MHz	

Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-3

5775 MHz	
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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			
	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			
	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			
	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*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			
	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.

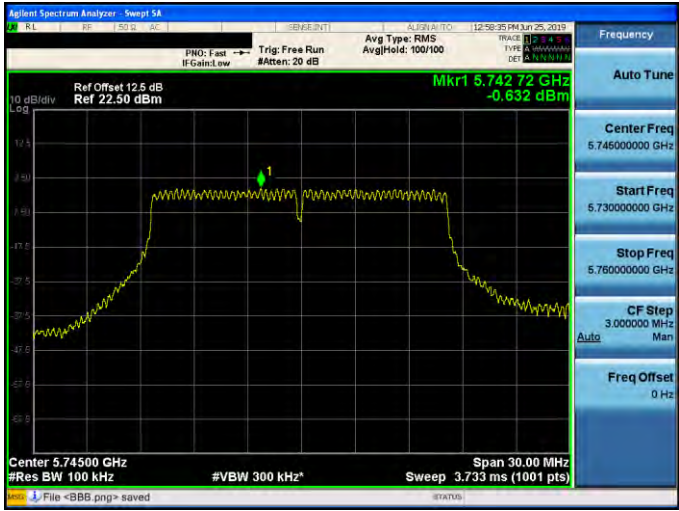
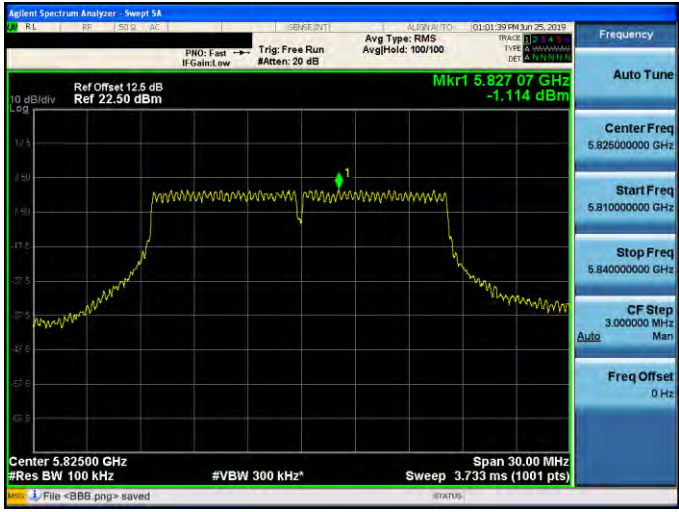
Conversion ratio = 10*Log(500 k/100 k)



■ Test Graphs

Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0	
5180 MHz	 Agilent Spectrum Analyzer: Sweep 1A 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* Sweep 1.000 ms (1001 pts) Span 30.00 MHz File <BBB.png> saved Frequency Auto Tune Center Freq 5.18000000 GHz Start Freq 5.16500000 GHz Stop Freq 5.19500000 GHz CF Step 3.000000 MHz Auto Freq Offset 0 Hz
5200 MHz	 Agilent Spectrum Analyzer: Sweep 1A 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* Sweep 1.000 ms (1001 pts) Span 30.00 MHz File <BBB.png> saved Frequency Auto Tune Center Freq 5.20000000 GHz Start Freq 5.18500000 GHz Stop Freq 5.21500000 GHz CF Step 3.000000 MHz Auto Freq Offset 0 Hz
5240 MHz	 Agilent Spectrum Analyzer: Sweep 1A 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* Sweep 1.000 ms (1001 pts) Span 30.00 MHz File <BBB.png> saved Frequency Auto Tune Center Freq 5.24000000 GHz Start Freq 5.22500000 GHz Stop Freq 5.25500000 GHz CF Step 3.000000 MHz Auto Freq Offset 0 Hz



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



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

5180 MHz



5200 MHz



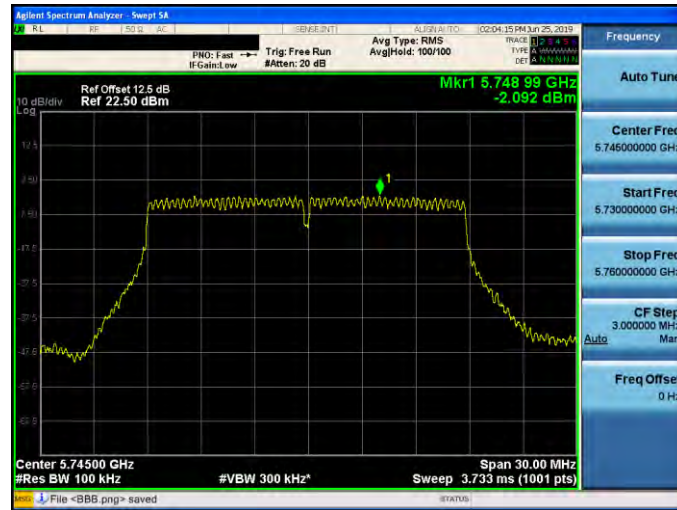
5240 MHz



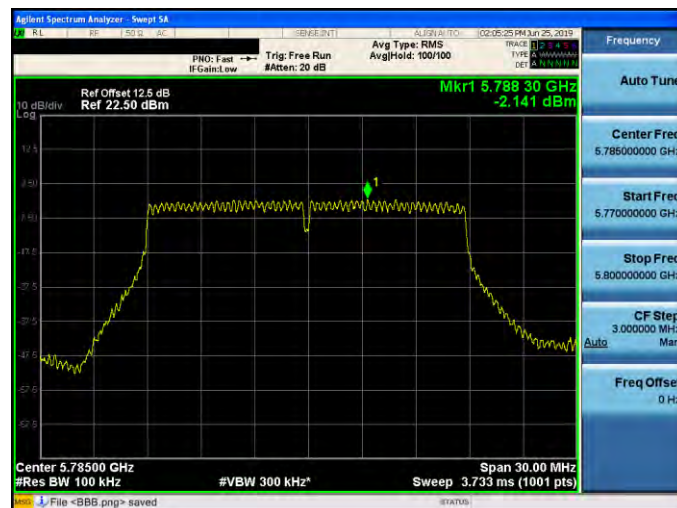


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-0

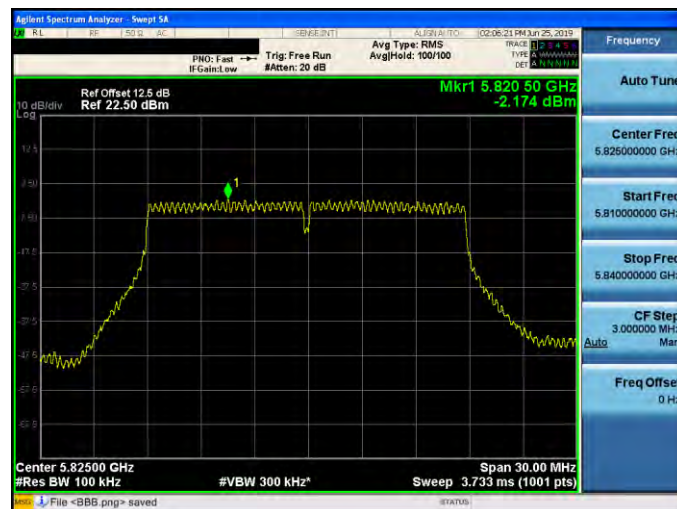
5745 MHz

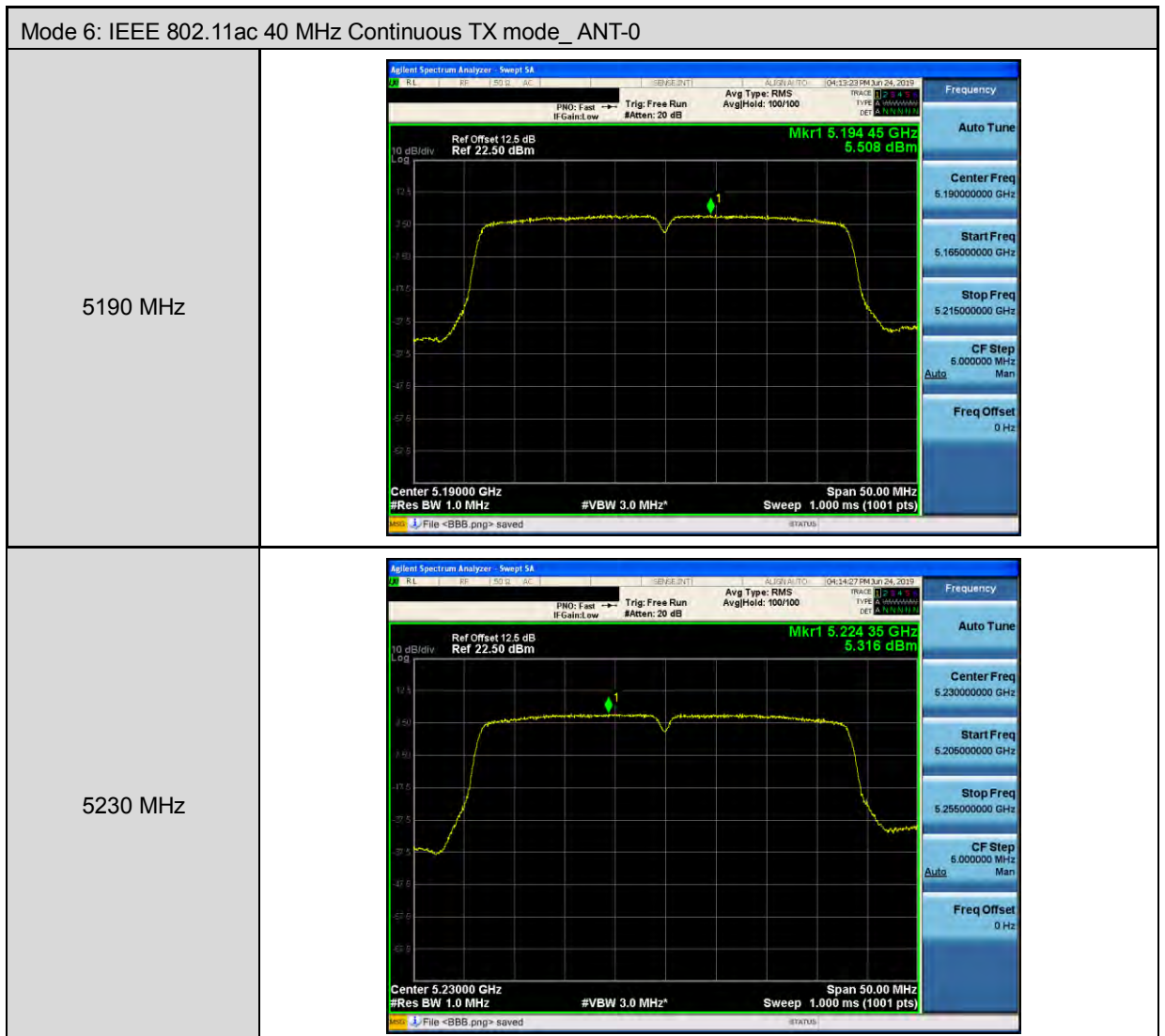


5785 MHz

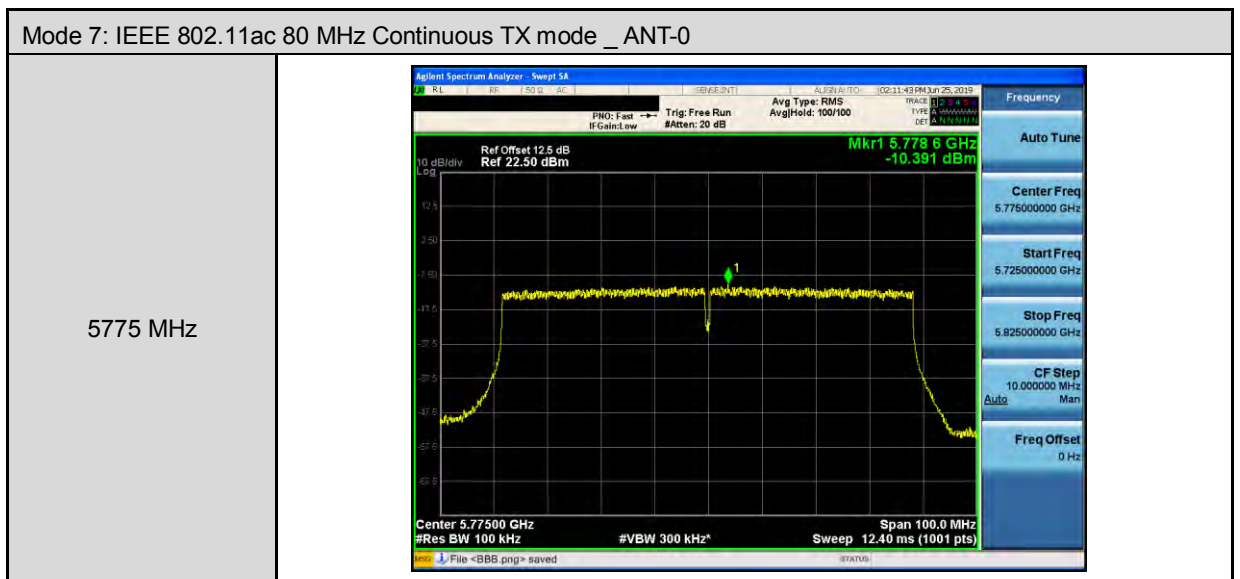
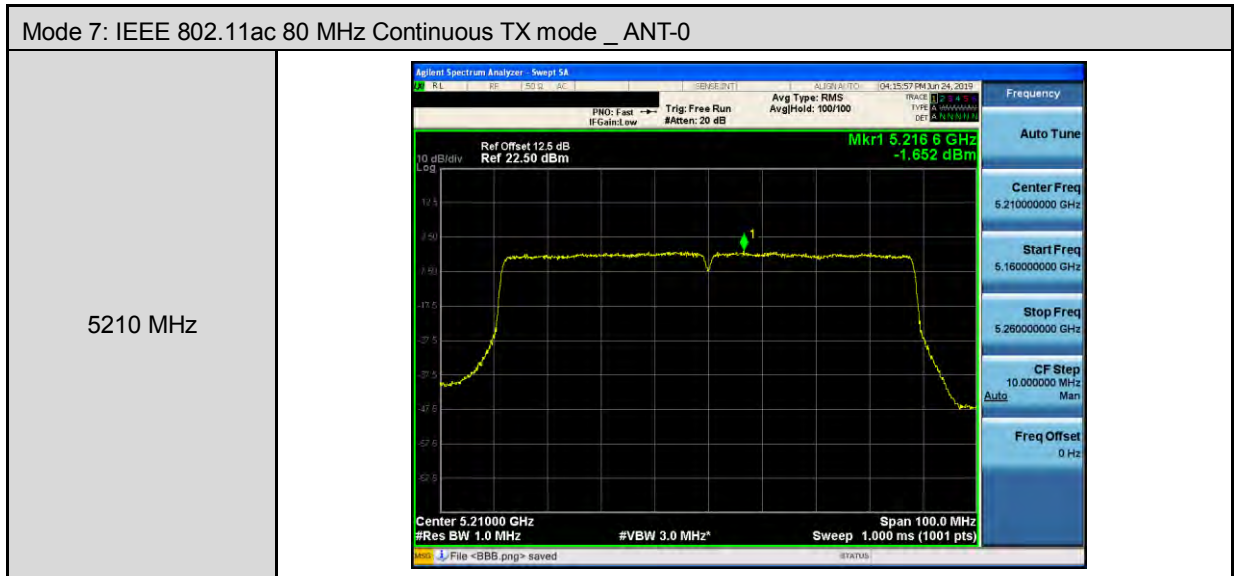


5825 MHz











Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5180 MHz	 Agilent Spectrum Analyzer: Sweep 1A Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.178 29 GHz 6.387 dBm Center 5.18000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (1001 pts) Span 30.00 MHz File <888.png> saved Frequency Auto Tune Center Freq 5.18000000 GHz Start Freq 5.16500000 GHz Stop Freq 5.19500000 GHz CF Step 3.000000 MHz Auto Freq Offset 0 Hz
5200 MHz	 Agilent Spectrum Analyzer: Sweep 1A Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.198 88 GHz 6.102 dBm Center 5.20000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (1001 pts) Span 30.00 MHz File <888.png> saved Frequency Auto Tune Center Freq 5.20000000 GHz Start Freq 5.18500000 GHz Stop Freq 5.21500000 GHz CF Step 3.000000 MHz Auto Freq Offset 0 Hz
5240 MHz	 Agilent Spectrum Analyzer: Sweep 1A Ref Offset 12.5 dB Ref 22.50 dBm Mkr1 5.235 38 GHz 5.928 dBm Center 5.24000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (1001 pts) Span 30.00 MHz File <888.png> saved Frequency Auto Tune Center Freq 5.24000000 GHz Start Freq 5.22500000 GHz Stop Freq 5.25500000 GHz CF Step 3.000000 MHz Auto Freq Offset 0 Hz

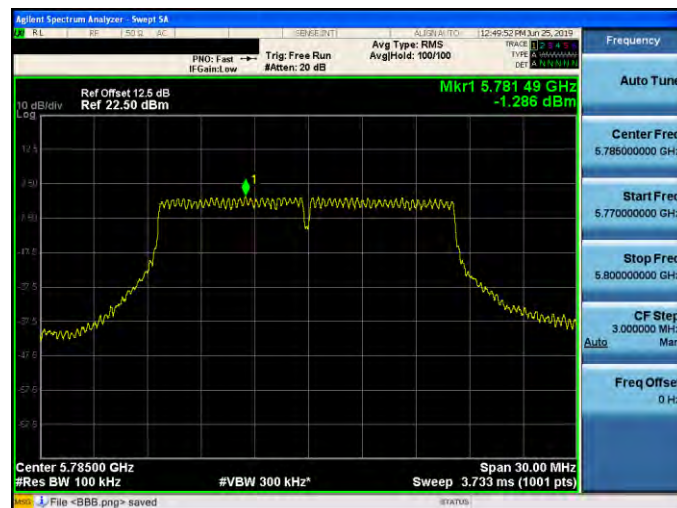


Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1

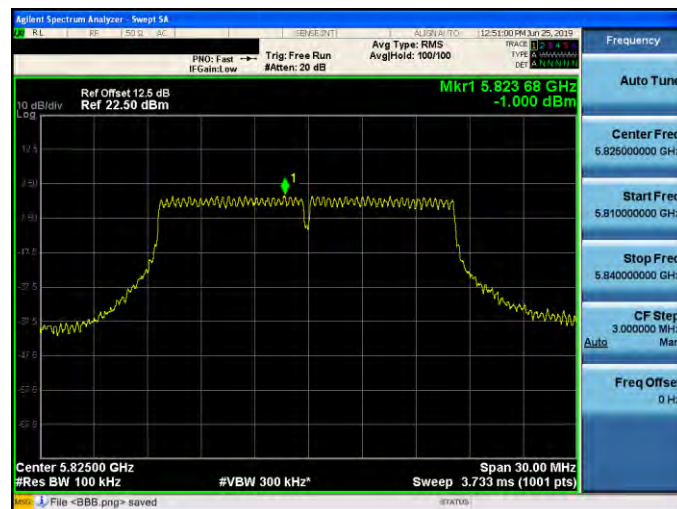
5745 MHz



5785 MHz



5825 MHz



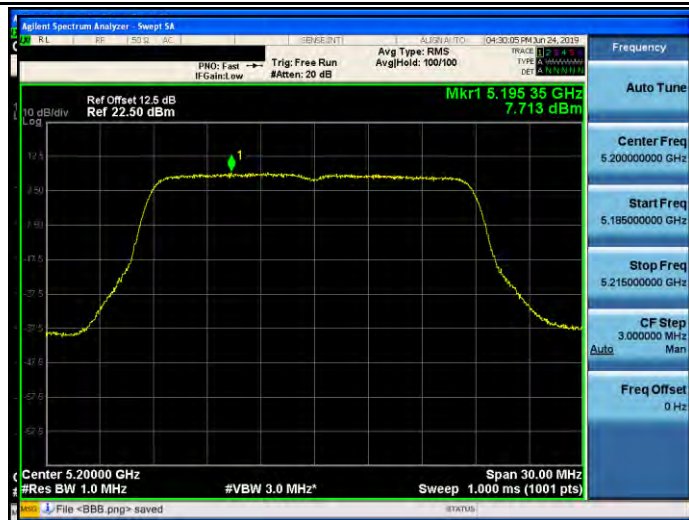


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-1

5180 MHz



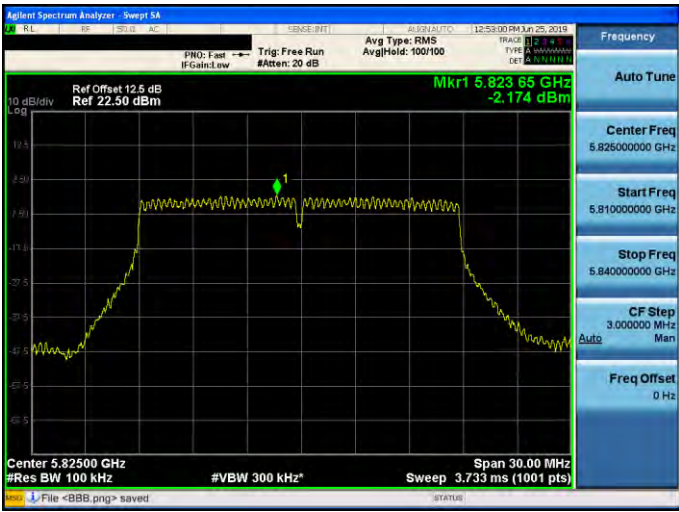
5200 MHz



5240 MHz





Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-1	
5745 MHz	
5785 MHz	
5825 MHz	



Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-1	
5190 MHz	
5230 MHz	



Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-1	
5755 MHz	
5795 MHz	



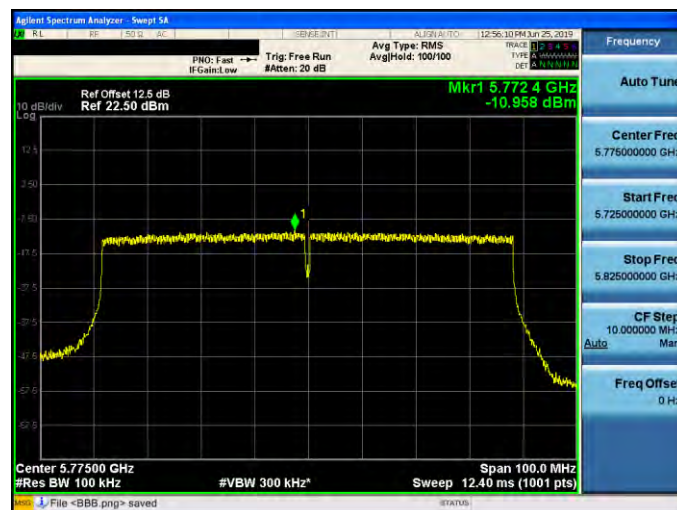
Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-1

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	
5180 MHz	
5200 MHz	
5240 MHz	



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



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

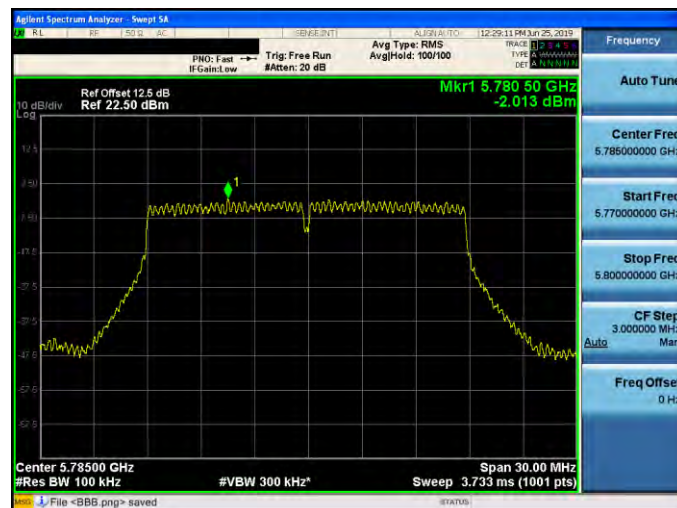


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-2

5745 MHz



5785 MHz



5825 MHz





Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-2	
5190 MHz	
5230 MHz	





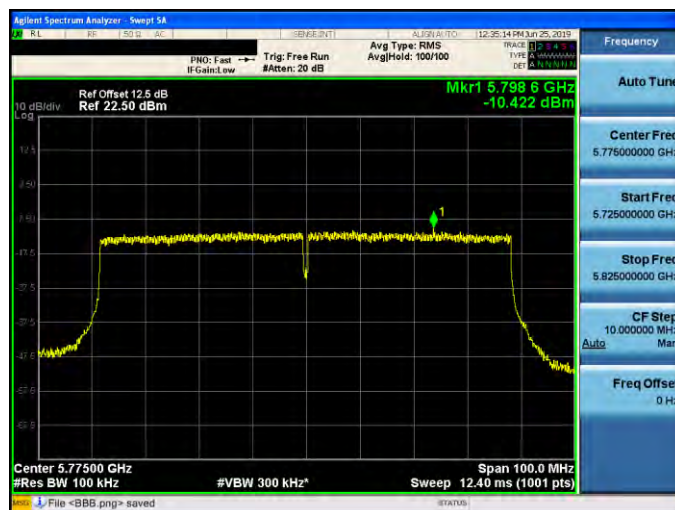
Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-2

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

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



5200 MHz



5240 MHz



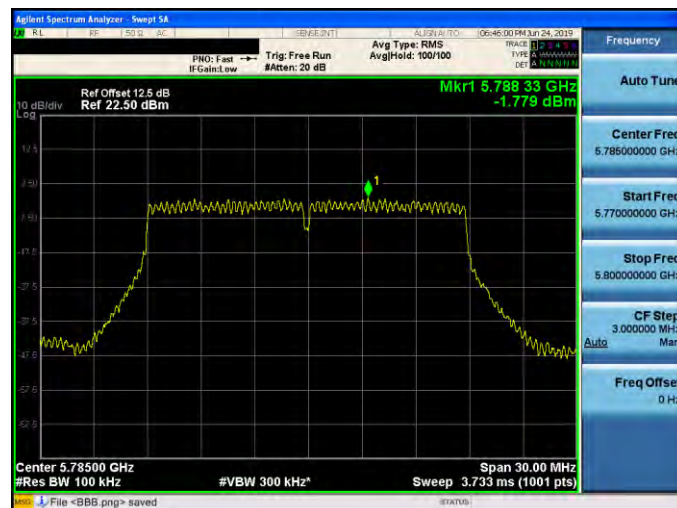


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-3

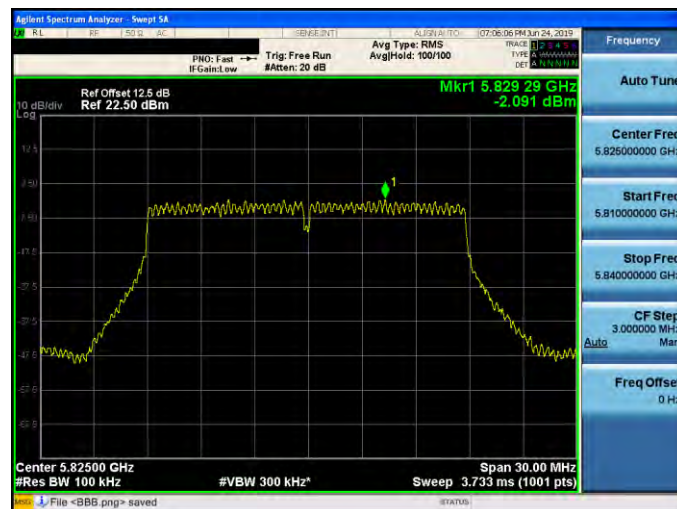
5745 MHz



5785 MHz



5825 MHz

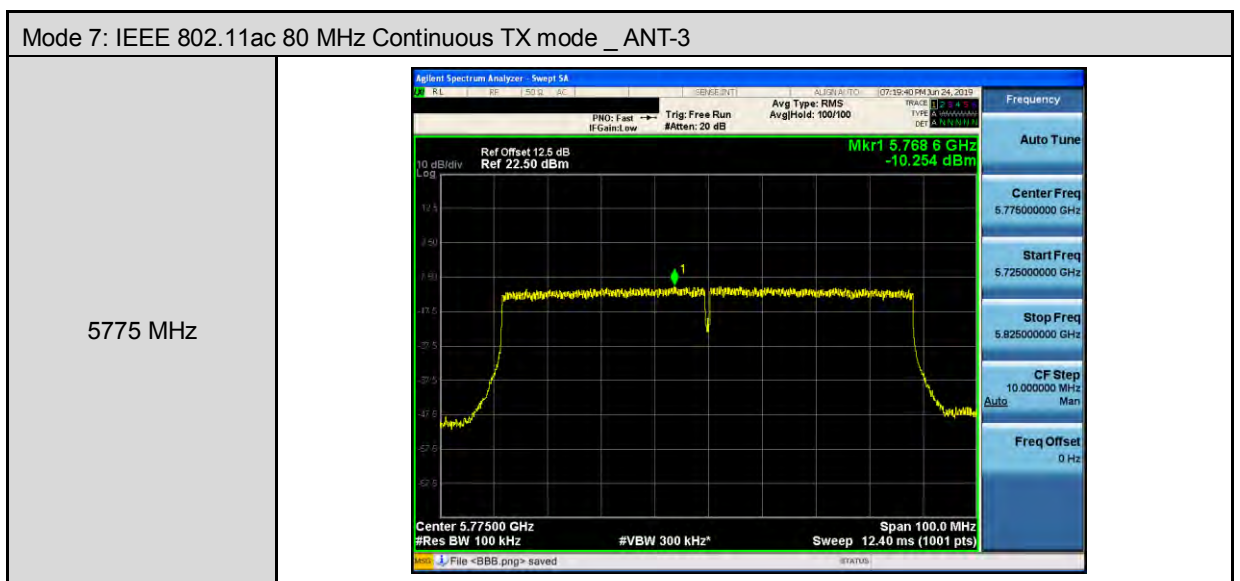
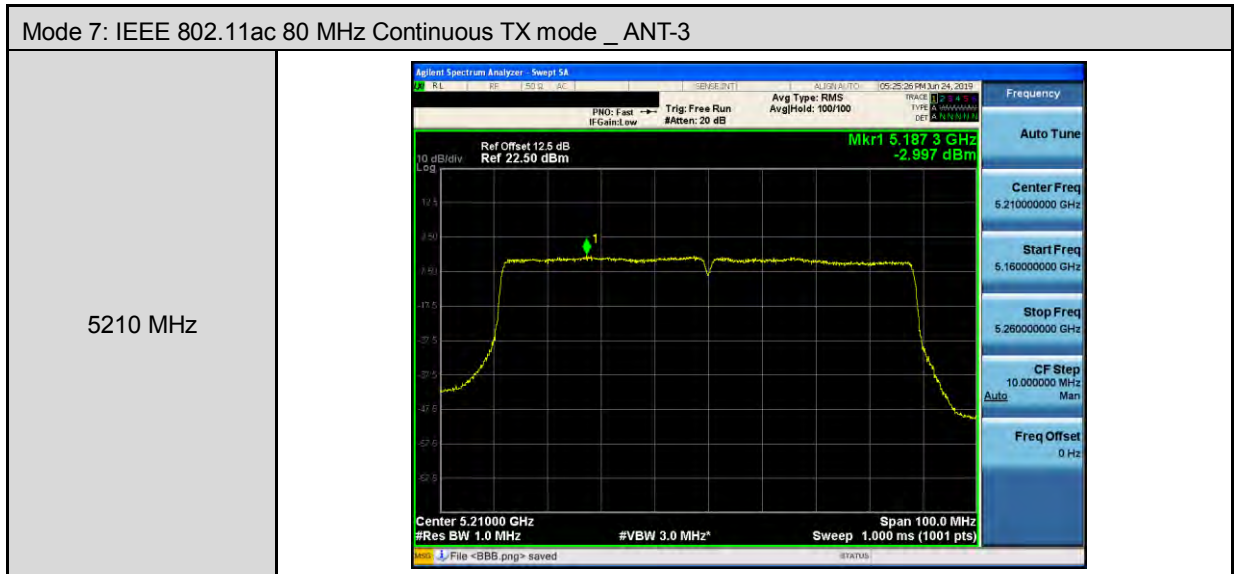




Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-3	
5190 MHz	
5230 MHz	



Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-3	
5755 MHz	
5795 MHz	

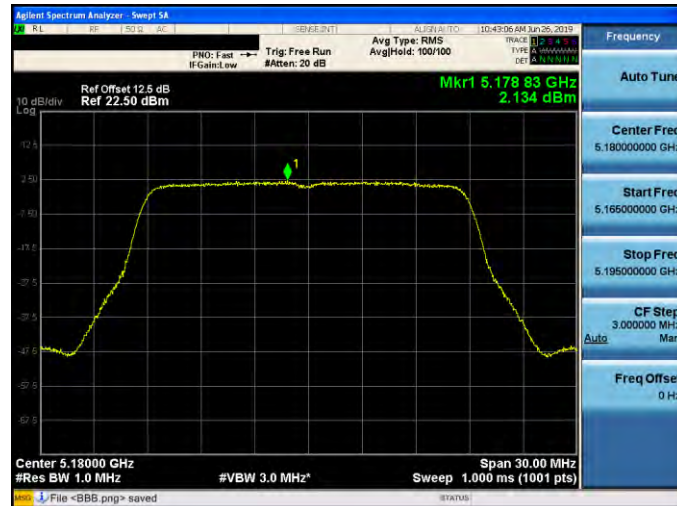




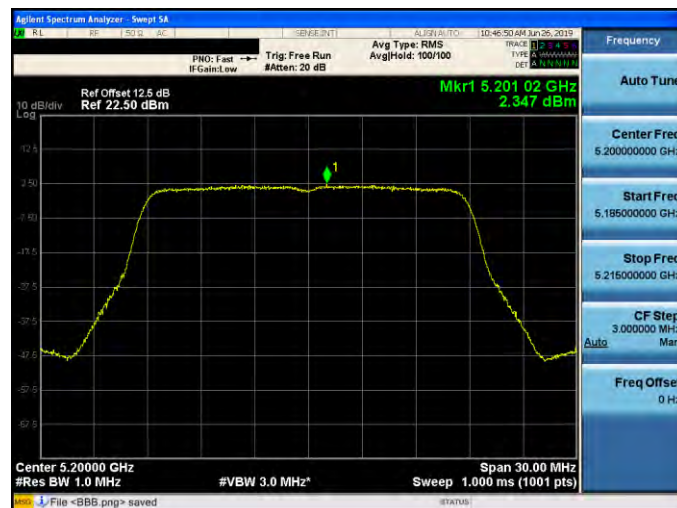
Beamforming on

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

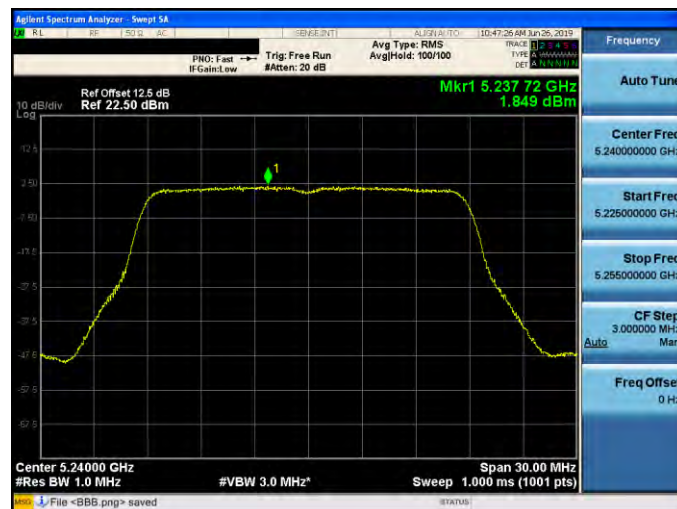
5180 MHz



5200 MHz

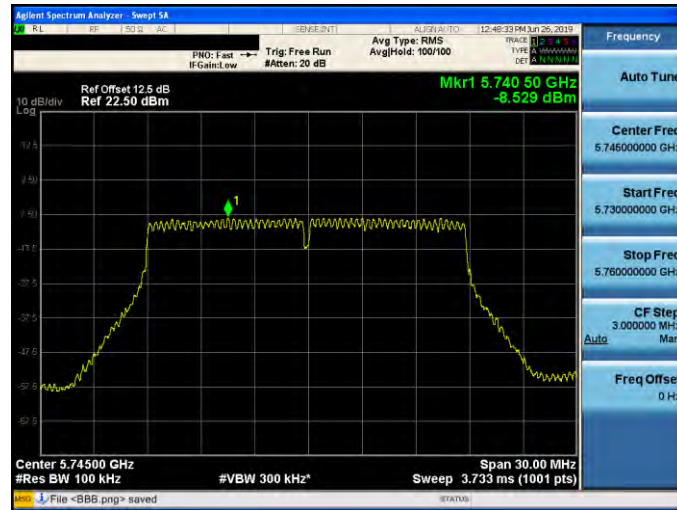


5240 MHz

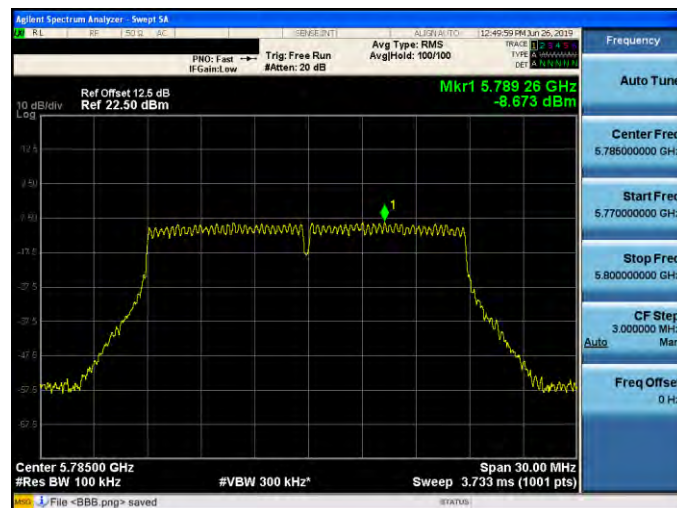


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-0

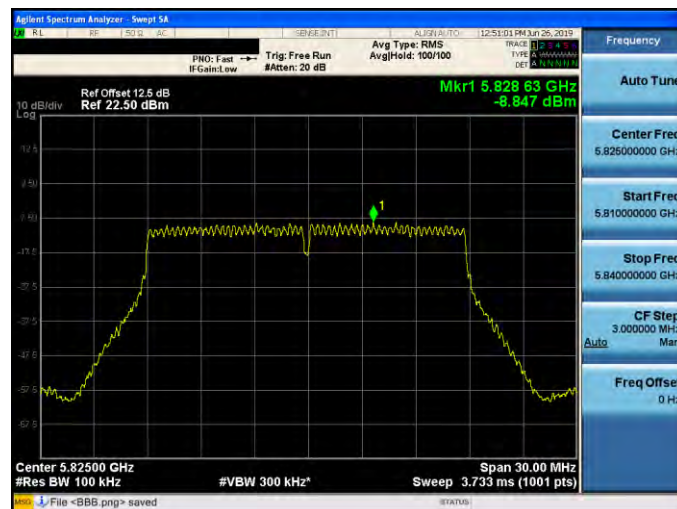
5745 MHz



5785 MHz

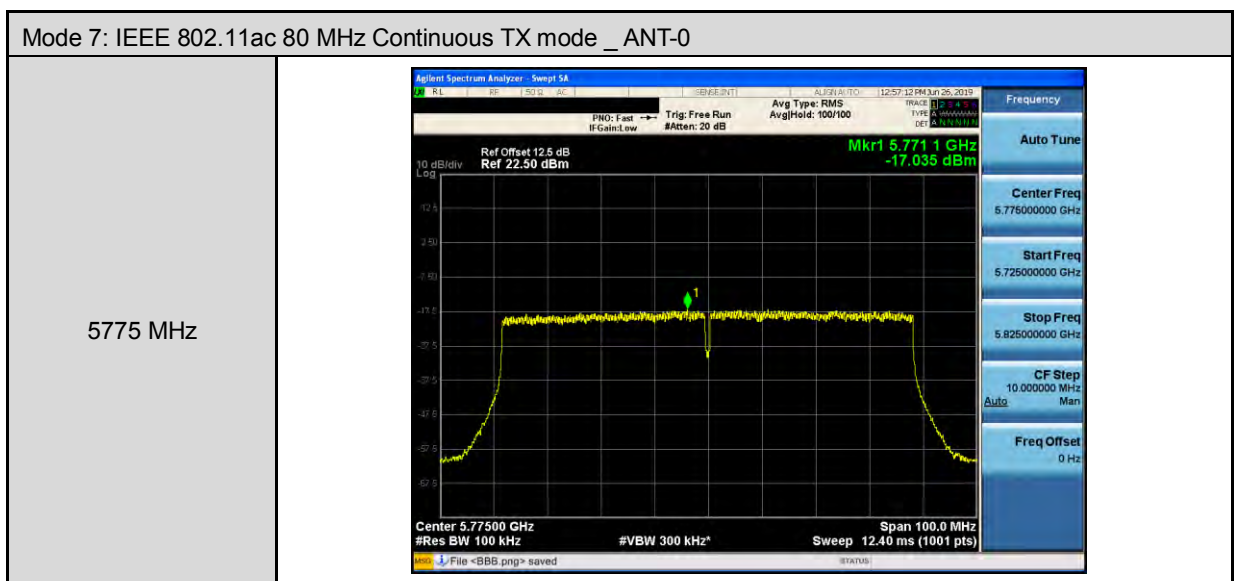
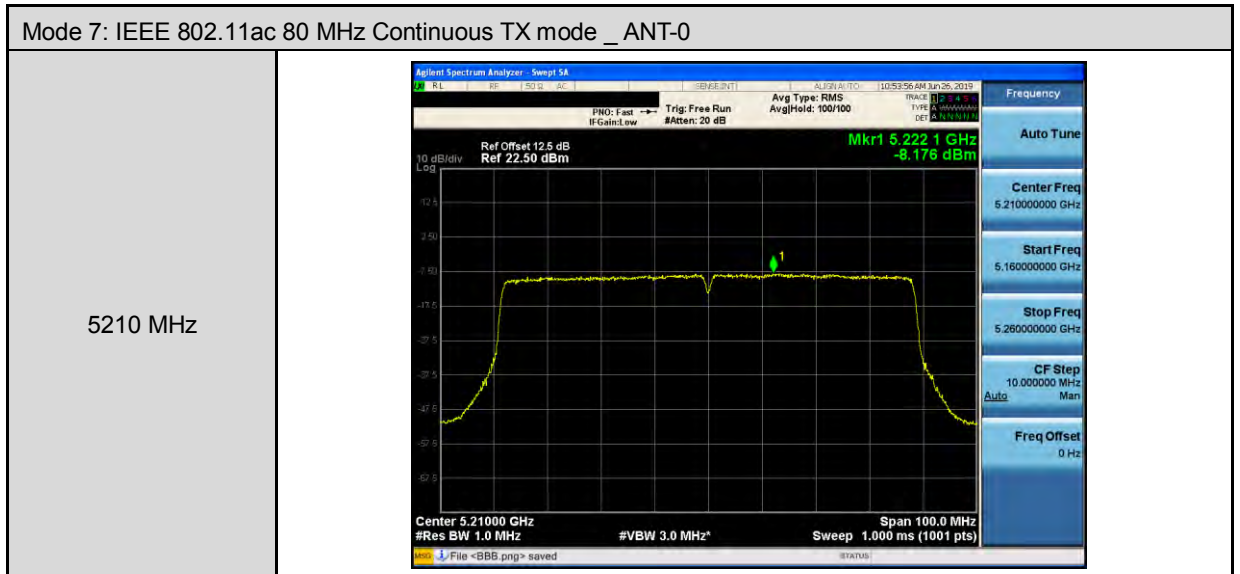


5825 MHz

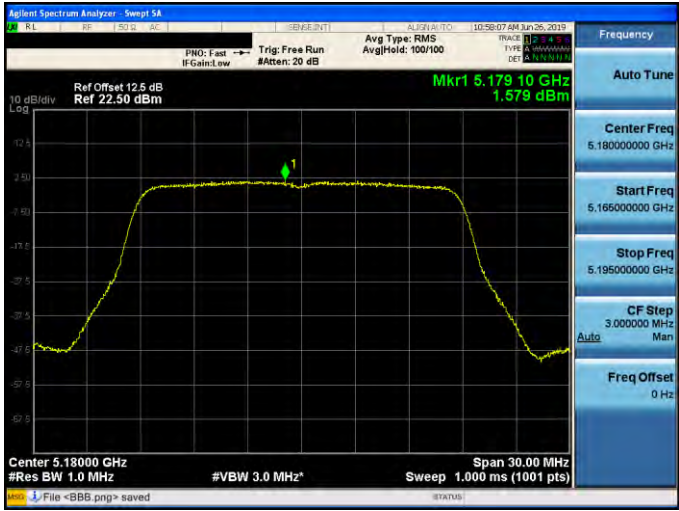
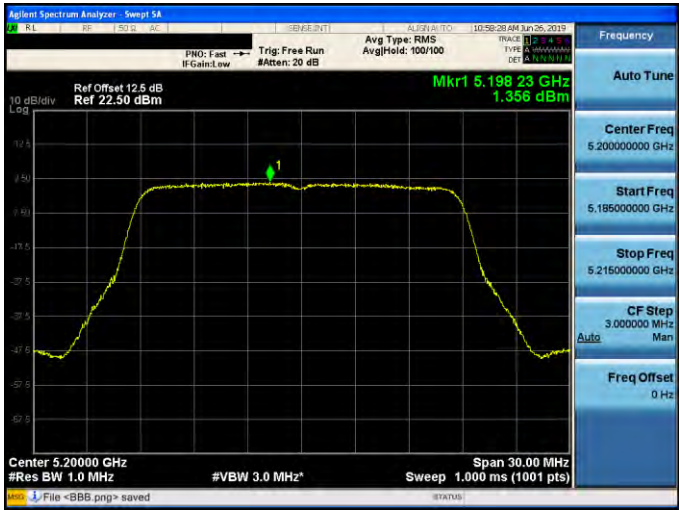
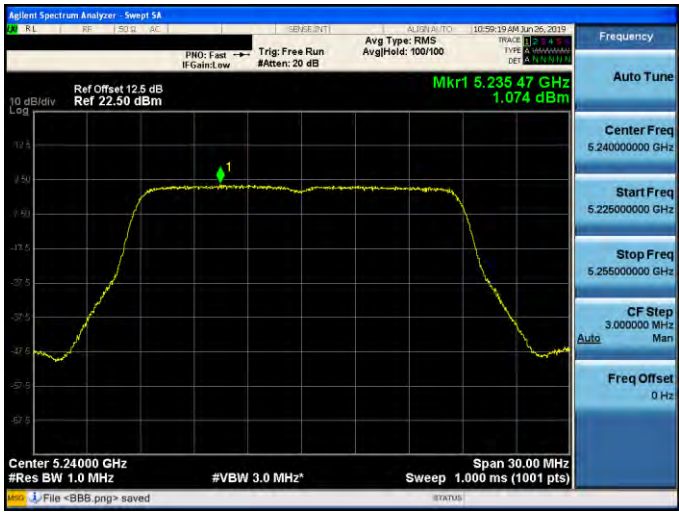








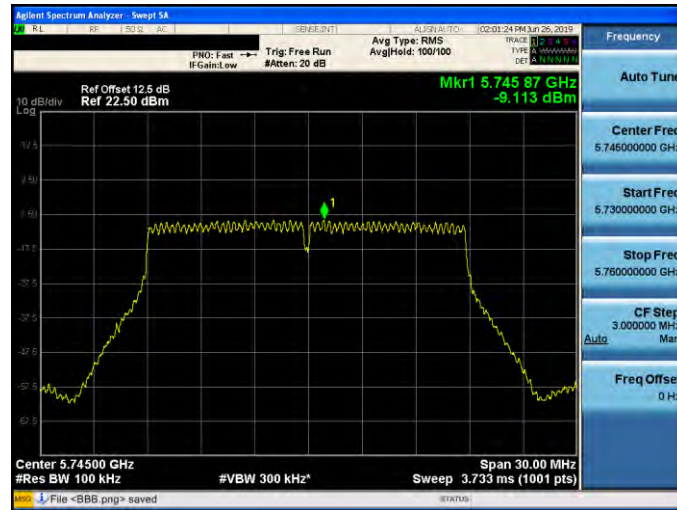


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	



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

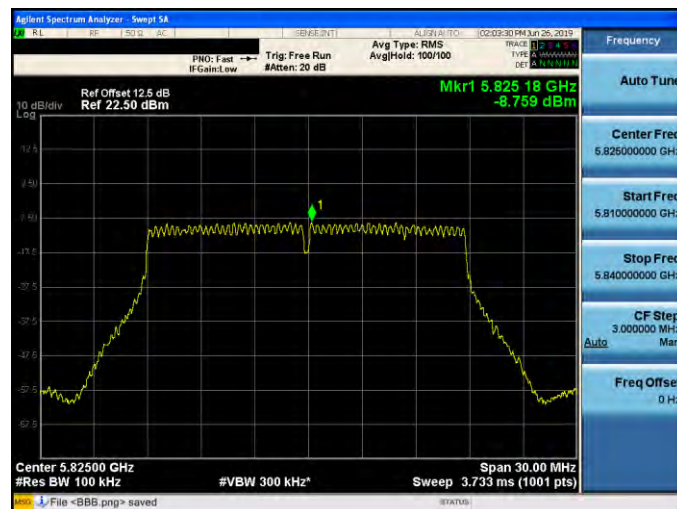
5745 MHz



5785 MHz

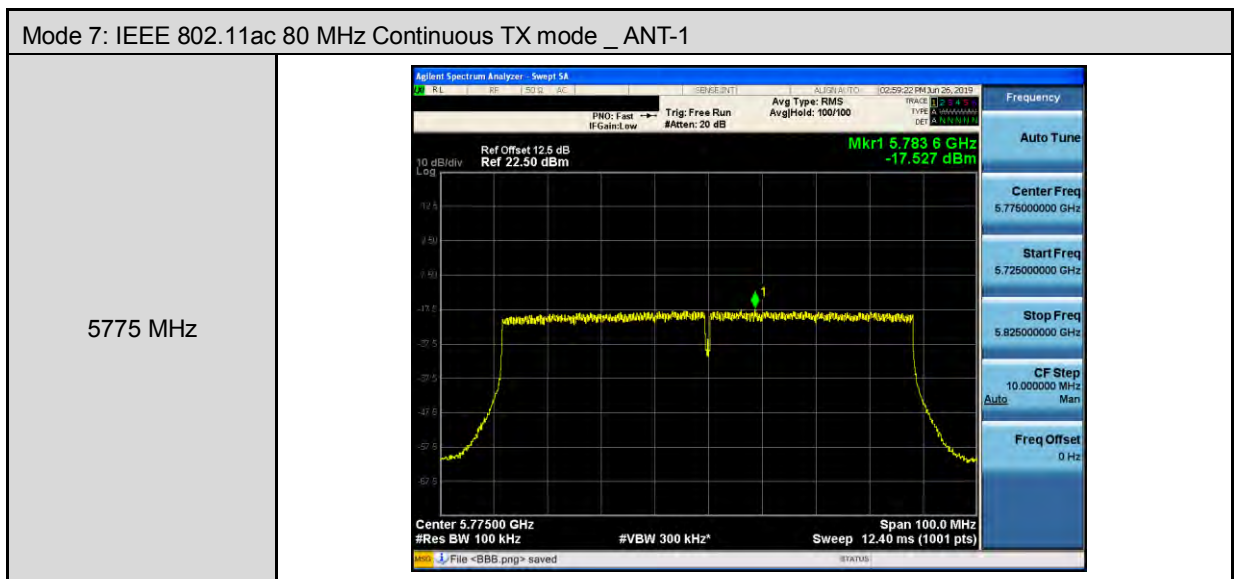
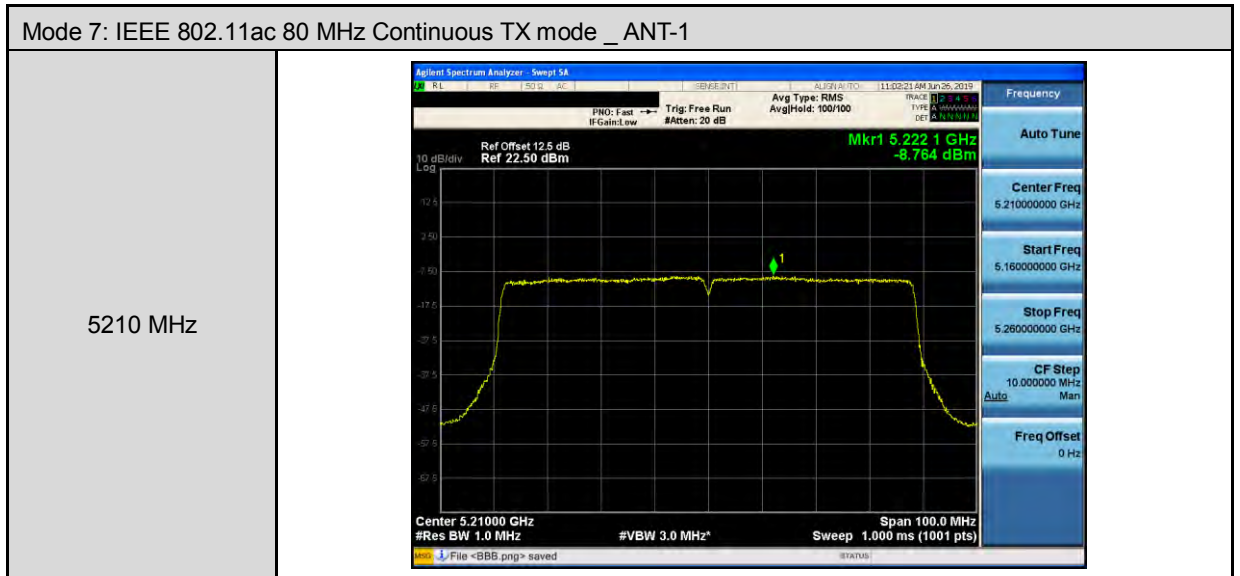


5825 MHz

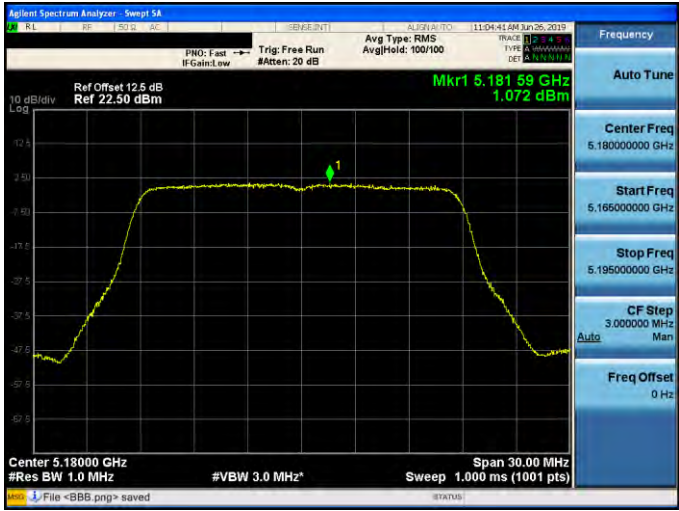
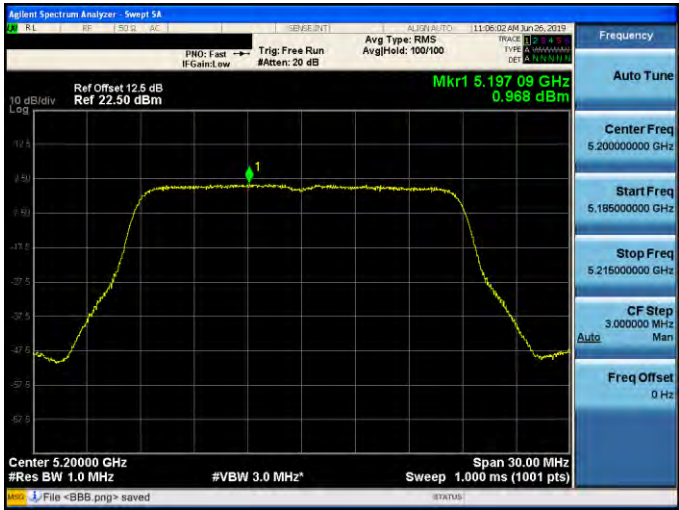








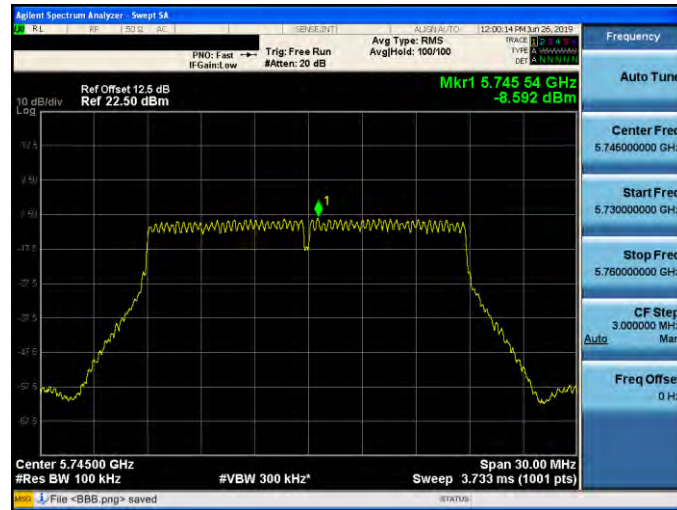


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-2	
5180 MHz	
5200 MHz	
5240 MHz	



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

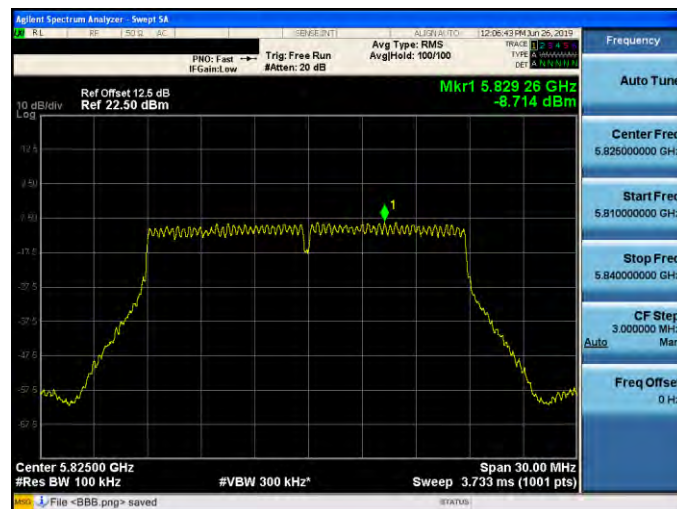
5745 MHz



5785 MHz



5825 MHz

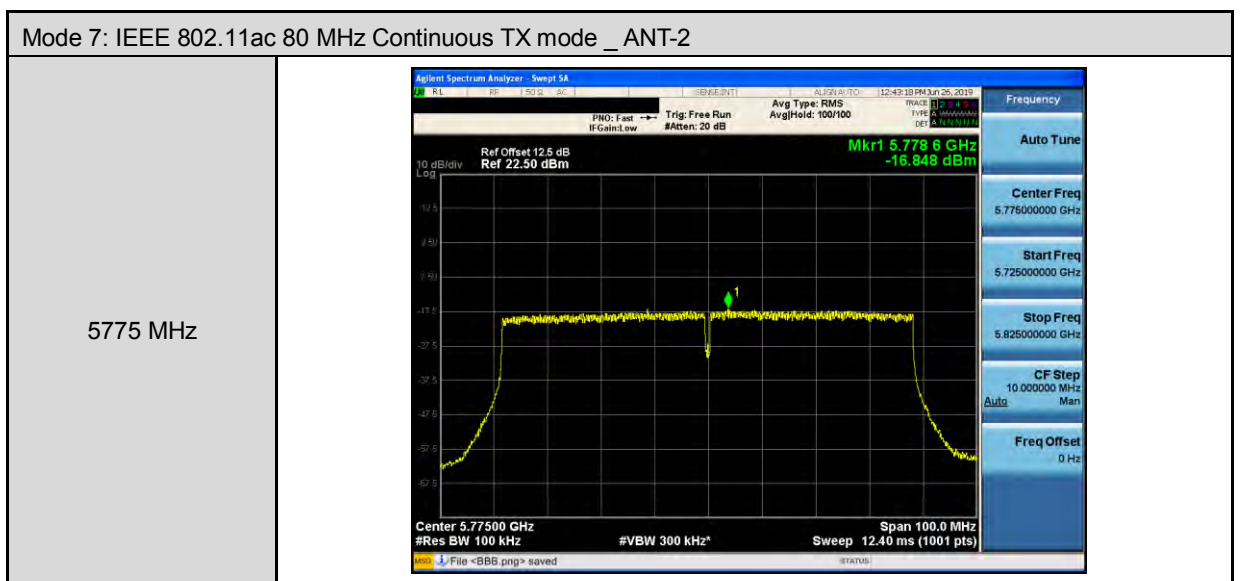
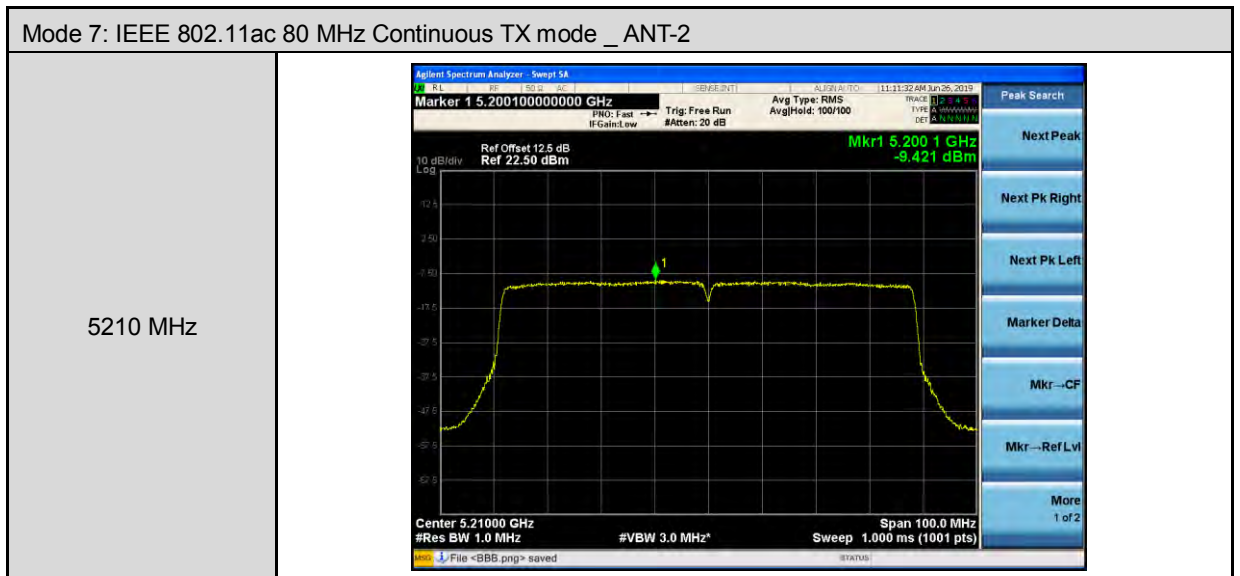




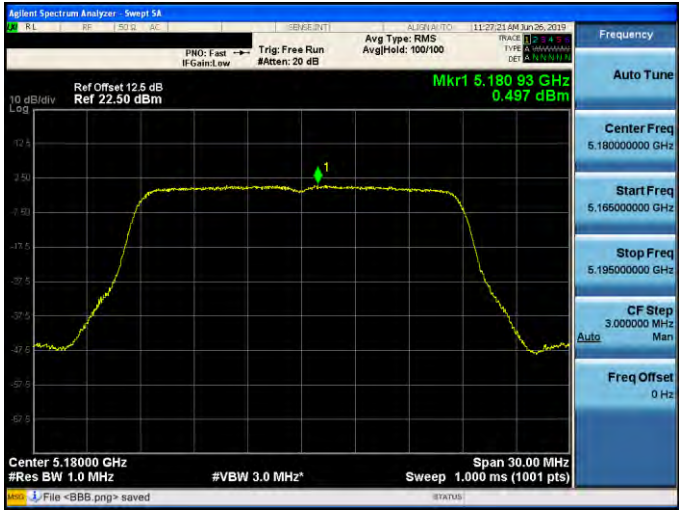
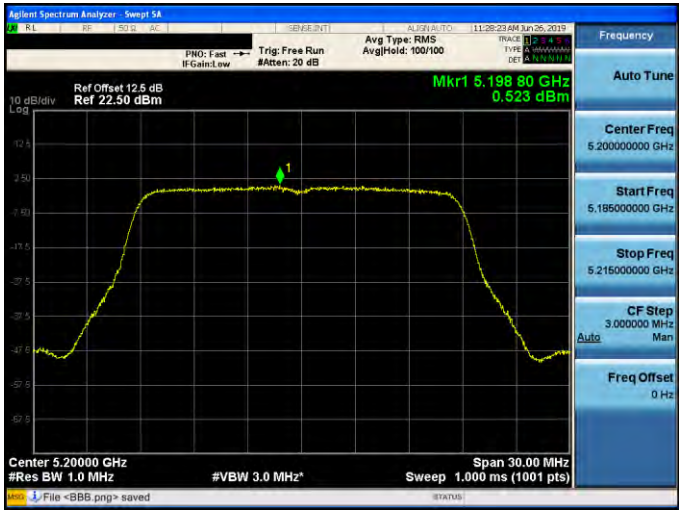
Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-2	
5190 MHz	
5230 MHz	



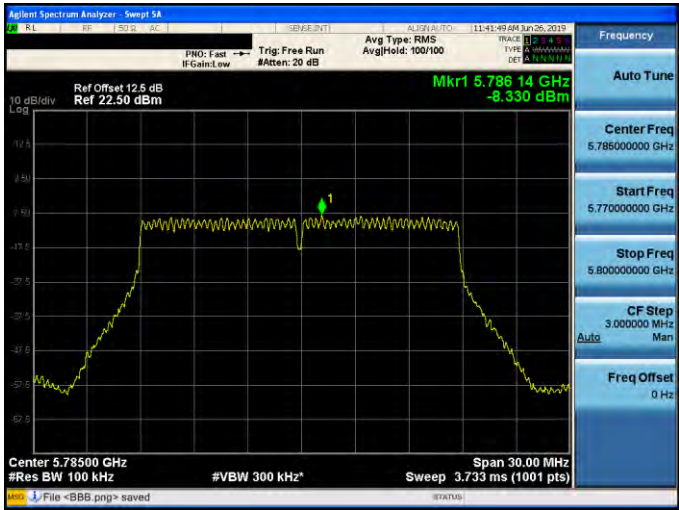
Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-2	
5755 MHz	
5795 MHz	





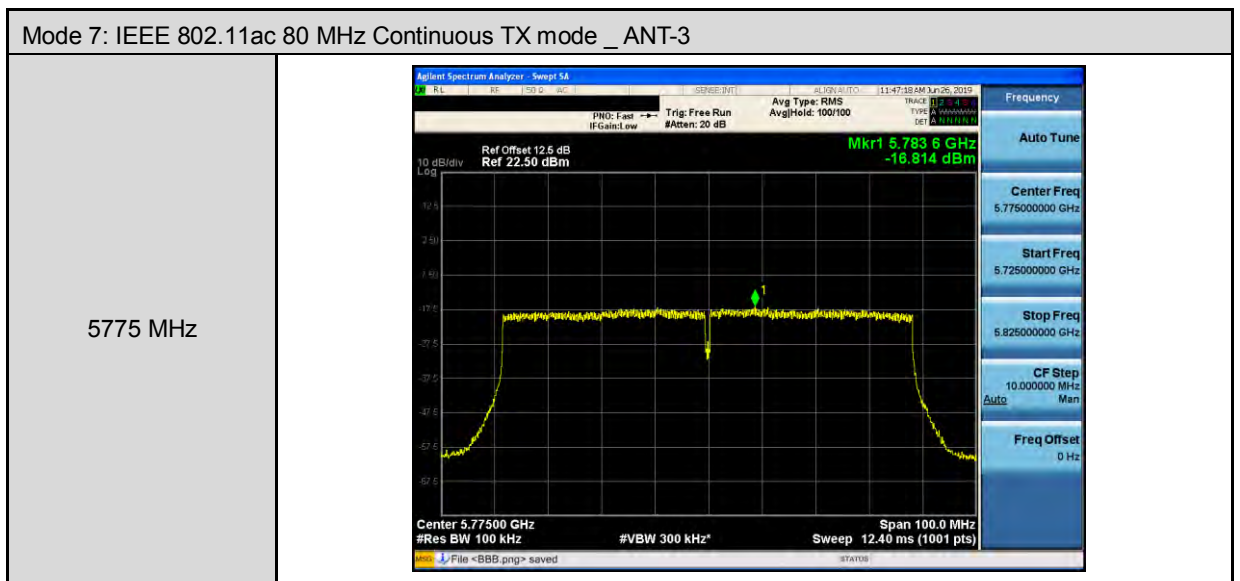
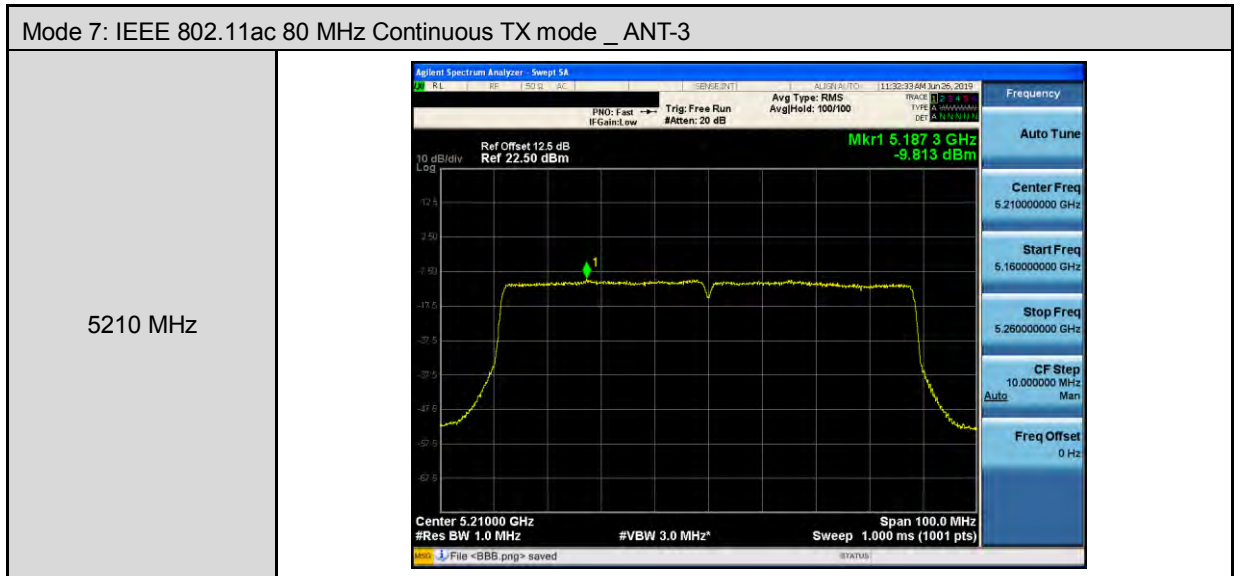
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-3	
5180 MHz	
5200 MHz	
5240 MHz	



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







--- END---