

Annex C. Conducted Test Results

Maximum Conducted Output Power Measurement

Test Item		Maximum Conducted Output Power						
Test Mode		Mode 2: IEEE 802.11a Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	6 M	12.32	0.017	12.06	0.016	15.20	0.033	≤ 30
5200		12.41	0.017	12.08	0.016	15.26	0.034	
5220		12.44	0.018	12.11	0.016	15.29	0.034	
5240		12.46	0.018	12.24	0.017	15.36	0.034	
5745		20.74	0.119	21.08	0.128	23.92	0.247	≤ 30
5765		20.71	0.118	21.12	0.129	23.93	0.247	
5785		20.74	0.119	21.09	0.129	23.93	0.247	
5805		20.76	0.119	21.05	0.127	23.92	0.246	
5825		20.73	0.118	21.11	0.129	23.93	0.247	

Test Item		Maximum Conducted Output Power						
Test Mode		Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	13 M	12.39	0.017	12.17	0.016	15.29	0.034	≤ 30
5200		12.35	0.017	11.98	0.016	15.18	0.033	
5220		12.40	0.017	12.17	0.016	15.30	0.034	
5240		12.39	0.017	12.26	0.017	15.34	0.034	
5745		20.70	0.117	21.14	0.130	23.94	0.248	≤ 30
5765		20.69	0.117	21.03	0.127	23.87	0.244	
5785		20.72	0.118	21.13	0.130	23.94	0.248	
5805		20.70	0.117	21.18	0.131	23.96	0.249	
5825		20.70	0.117	21.11	0.129	23.92	0.247	

Test Item		Maximum Conducted Output Power						
Test Mode		Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5190	27 M	12.29	0.017	12.03	0.016	15.17	0.033	≤ 30
5230		12.19	0.017	11.97	0.016	15.09	0.032	
5755		19.95	0.099	20.08	0.102	23.03	0.201	≤ 30
5795		19.88	0.097	20.09	0.102	23.00	0.199	

Note: The relevant measured result has the offset with cable loss already.



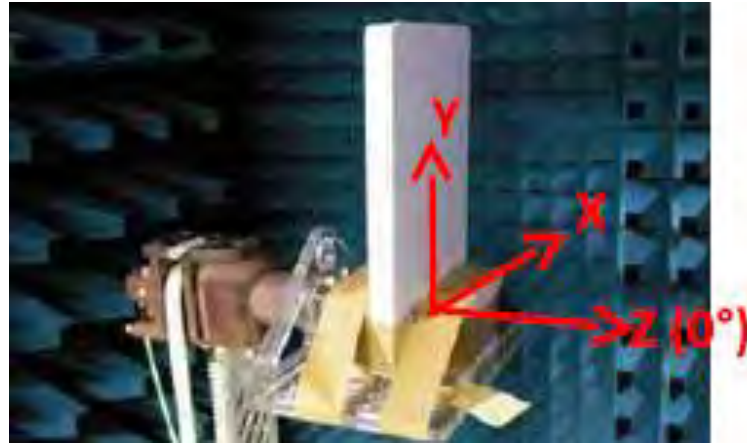
Test Item		Maximum Conducted Output Power						
Test Mode		Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	13 M	12.52	0.018	12.18	0.017	15.36	0.034	≤ 30
5200		12.42	0.017	12.07	0.016	15.26	0.034	
5220		12.45	0.018	12.21	0.017	15.34	0.034	
5240		12.42	0.017	12.31	0.017	15.38	0.034	
5745		20.71	0.118	21.15	0.130	23.95	0.248	≤ 30
5765		20.74	0.119	21.14	0.130	23.95	0.249	
5785		20.73	0.118	21.19	0.132	23.98	0.250	
5805		20.81	0.121	21.21	0.132	24.02	0.253	
5825		20.76	0.119	21.12	0.129	23.95	0.249	

Test Item		Maximum Conducted Output Power						
Test Mode		Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5190	27 M	12.32	0.017	12.05	0.016	15.20	0.033	≤ 30
5230		12.31	0.017	12.10	0.016	15.22	0.033	
5755		20.01	0.100	20.21	0.105	23.12	0.205	≤ 30
5795		19.96	0.099	20.23	0.105	23.11	0.205	

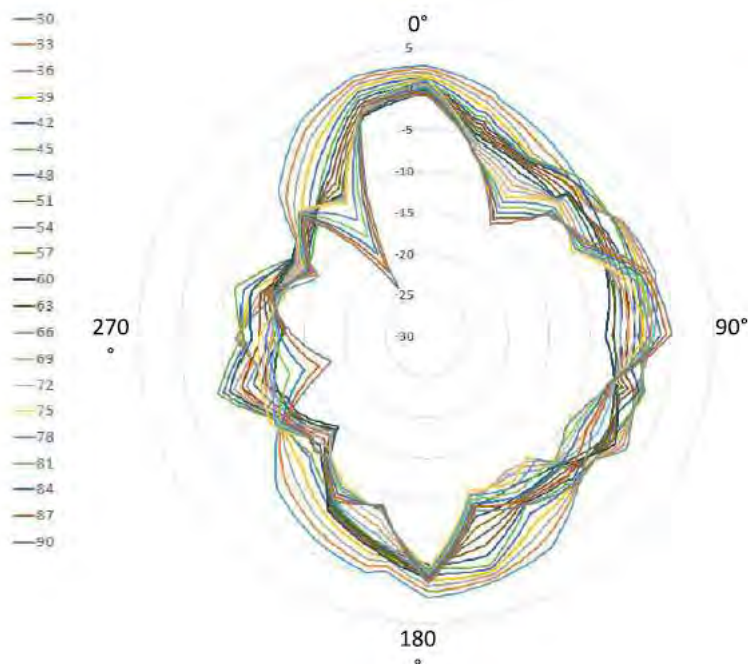
Test Item		Maximum Conducted Output Power						
Test Mode		Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5210	58.6 M	12.02	0.016	11.92	0.016	14.98	0.031	≤ 30
5775		19.75	0.094	20.02	0.100	22.90	0.195	≤ 30

Note: The relevant measured result has the offset with cable loss already.

Antenna Configuration

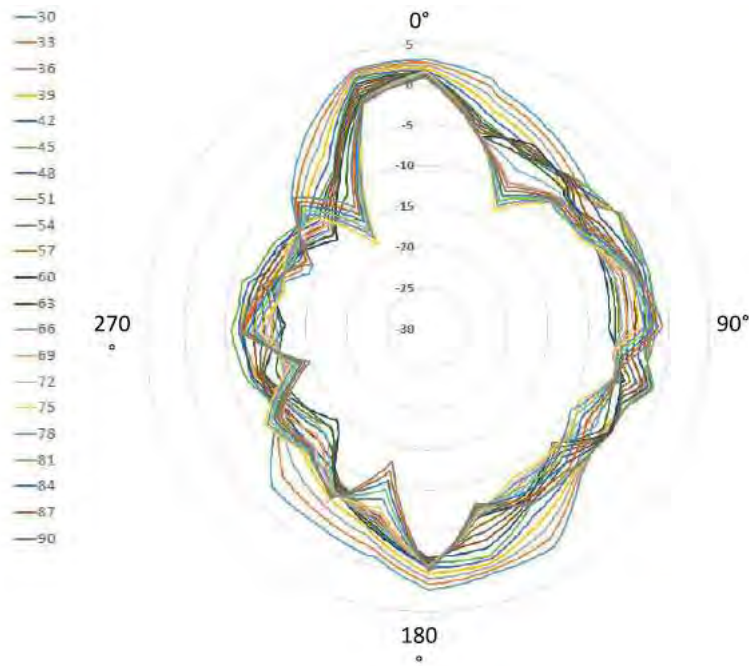


30deg to 90deg –5180 MHz



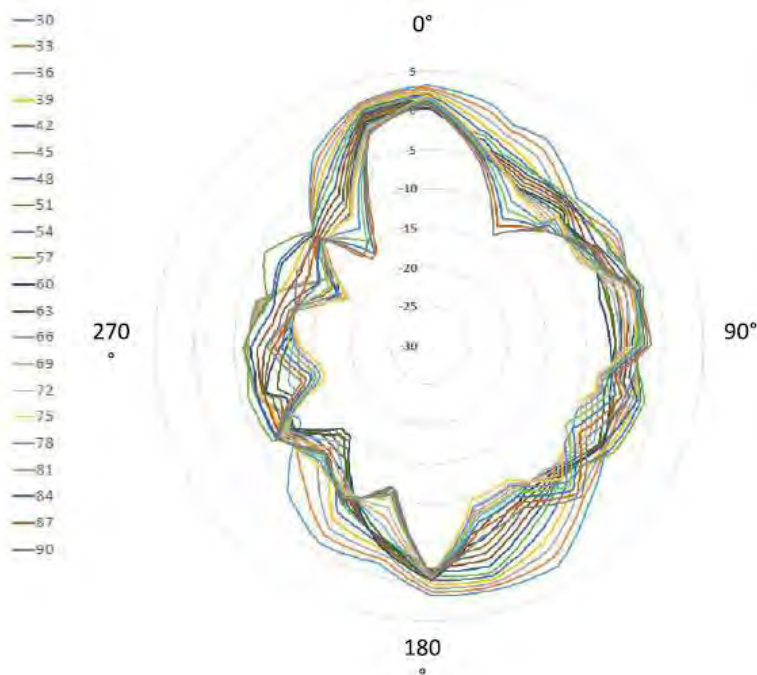
5180		
Deg.	Phi Cut Deg.	Peak Gain (dBi)
30	0	2.69
33	0	2.35
36	0	2.01
39	0	1.67
42	0	1.33
45	0	0.99
48	0	0.65
51	0	0.31
54	0	-0.02
57	0	-0.36
60	180	-0.45
63	0	-0.29
66	0	0.11
69	0	0.51
72	0	0.91
75	0	1.31
78	0	0.87
81	0	0.43
84	0	-0.02
87	180	-0.19
90	180	0.18

30deg to 90deg –5200 MHz

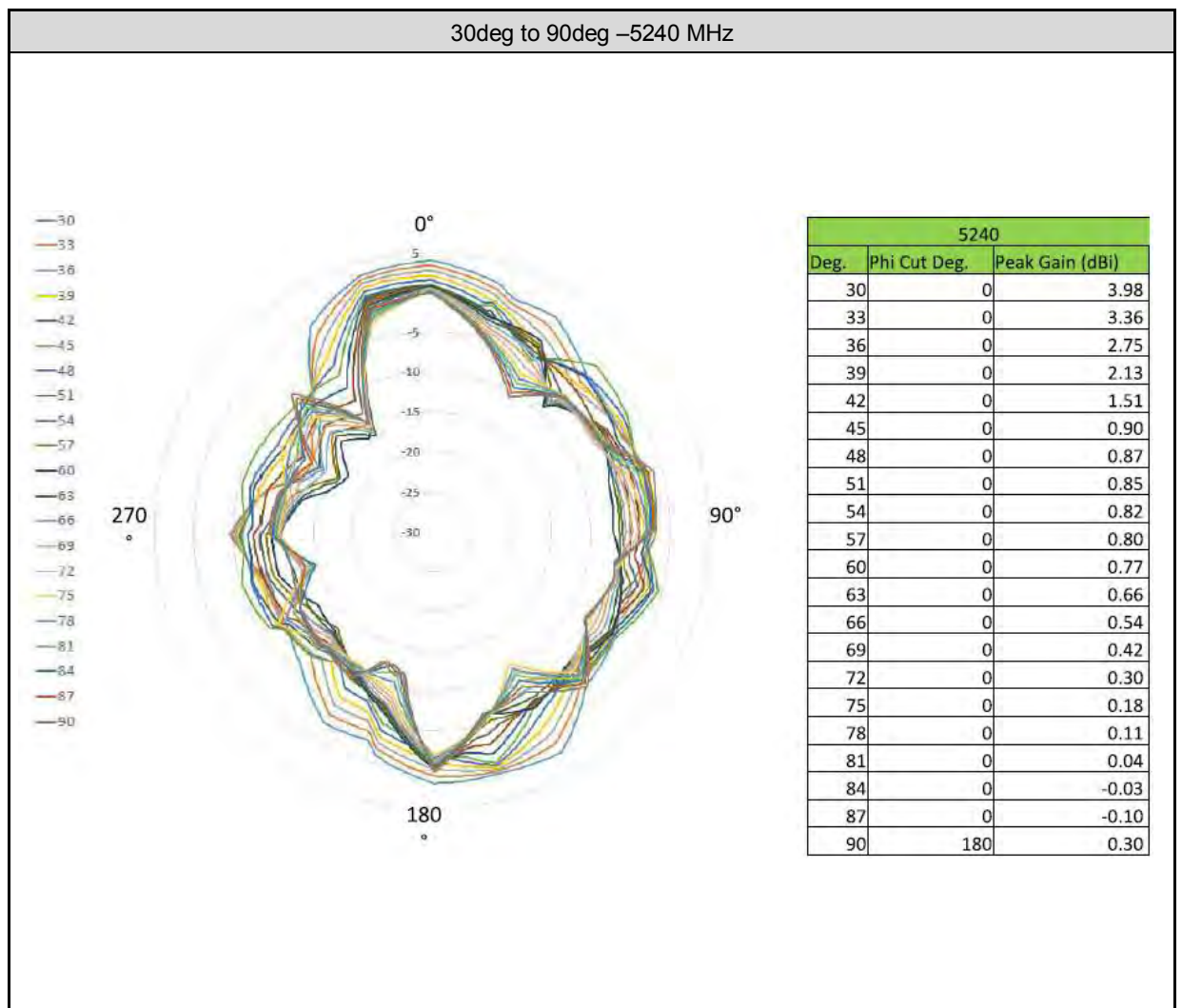


5200		
Deg.	Phi Cut Deg.	Peak Gain (dBi)
30	345	3.07
33	345	2.81
36	345	2.54
39	345	2.28
42	345	2.02
45	345	1.75
48	0	1.46
51	0	1.52
54	0	1.59
57	0	1.65
60	0	1.71
63	0	1.65
66	0	1.58
69	0	1.52
72	0	1.46
75	0	1.39
78	0	1.26
81	0	1.13
84	0	0.99
87	0	0.86
90	0	0.73

30deg to 90deg –5220 MHz



5220		
Deg.	Phi Cut Deg.	Peak Gain (dBi)
30	0	3.21
33	0	2.92
36	0	2.62
39	0	2.32
42	0	2.03
45	0	1.73
48	0	1.45
51	0	1.17
54	0	0.88
57	0	0.60
60	0	0.32
63	0	0.62
66	0	0.92
69	0	1.22
72	0	1.52
75	0	1.83
78	0	1.60
81	0	1.38
84	0	1.16
87	0	0.94
90	0	0.72





Test Item		Max_EIRP at any elevation angle > 30° form horizon				
Test Mode		Mode 2: IEEE 802.11a Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0+1	Directional Gain	Max_EIRP		FCC Limit (dBm)
		Max. Output Power		(dBm)	(W)	
		(dBm)	(dBi)	(dBm)	(W)	
5180	6 M	15.20	5.50	20.70	0.117	< 21
5200		15.26	5.50	20.75	0.119	
5220		15.29	5.50	20.78	0.120	
5240		15.36	5.50	20.86	0.122	

Test Item		Max_EIRP at any elevation angle > 30° form horizon				
Test Mode		Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0+1	Directional Gain	Max_EIRP		FCC Limit (dBm)
		Max. Output Power		(dBm)	(W)	
		(dBm)	(dBi)	(dBm)	(W)	
5180	13 M	15.29	5.50	20.79	0.120	< 21
5200		15.18	5.50	20.67	0.117	
5220		15.30	5.50	20.79	0.120	
5240		15.34	5.50	20.83	0.121	

Test Item		Max_EIRP at any elevation angle > 30° form horizon				
Test Mode		Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0+1	Directional Gain	Max_EIRP		FCC Limit (dBm)
		Max. Output Power		(dBm)	(W)	
		(dBm)	(dBi)	(dBm)	(W)	
5190	27 M	15.17	5.50	20.67	0.117	< 21
5230		15.09	5.50	20.59	0.114	

Note: The relevant measured result has the offset with cable loss already.



Test Item		Max_EIRP at any elevation angle > 30° form horizon				
Test Mode		Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0+1	Directional Gain	Max_EIRP		FCC Limit (dBm)
		Max. Output Power				
		(dBm)		(dBi)	(dBm)	
5180	13 M	15.36	5.50	20.86	0.122	< 21
5200		15.26	5.50	20.75	0.119	
5220		15.34	5.50	20.84	0.121	
5240		15.38	5.50	20.87	0.122	

Test Item		Max_EIRP at any elevation angle > 30° form horizon				
Test Mode		Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0+1	Directional Gain	Max_EIRP		FCC Limit (dBm)
		Max. Output Power				
		(dBm)	(dBi)	(dBm)	(W)	
5190	27 M	15.20	5.50	20.69	0.117	< 21
5230		15.22	5.50	20.71	0.118	

Test Item		Max_EIRP at any elevation angle > 30° form horizon				
Test Mode		Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0+1	Directional Gain	Max_EIRP		FCC Limit (dBm)
		Max. Output Power				
		(dBm)	(dBi)	(dBm)	(W)	
5210	58.6 M	14.98	5.50	20.48	0.112	< 21

Note: The relevant measured result has the offset with cable loss already.

Beamforming on

Test Item		Maximum Conducted Output Power						
Test Mode		Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	13 M	8.99	0.008	8.70	0.007	11.86	0.015	≤ 27.50
5200		8.93	0.008	8.59	0.007	11.77	0.015	
5220		8.93	0.008	8.75	0.007	11.85	0.015	
5240		8.95	0.008	8.85	0.008	11.91	0.016	
5745		17.45	0.056	17.75	0.060	20.61	0.115	≤ 28.33
5765		17.44	0.055	17.73	0.059	20.60	0.115	
5785		17.42	0.055	17.80	0.060	20.62	0.115	
5805		17.48	0.056	17.81	0.060	20.66	0.116	
5825		17.45	0.056	17.73	0.059	20.60	0.115	

Test Item		Maximum Conducted Output Power						
Test Mode		Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5190	27 M	8.78	0.008	8.58	0.007	11.69	0.015	≤ 27.50
5230		8.82	0.008	8.62	0.007	11.73	0.015	
5755		16.66	0.046	16.82	0.048	19.75	0.094	≤ 28.33
5795		16.61	0.046	16.83	0.048	19.73	0.094	

Test Item		Maximum Conducted Output Power						
Test Mode		Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5210	58.6 M	8.48	0.007	8.39	0.007	11.45	0.014	≤ 27.50
5775		16.38	0.043	16.62	0.046	19.51	0.089	≤ 28.33

Note: The relevant measured result has the offset with cable loss already.



Test Item		Max_EIRP at any elevation angle > 30° form horizon				
Test Mode		Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0+1	Directional Gain	Max_EIRP		FCC Limit (dBm)
		Max. Output Power				
		(dBm)		(dBi)	(dBm)	
5180	13 M	11.86	5.50	17.35	0.054	< 21
5200		11.77	5.50	17.27	0.053	
5220		11.85	5.50	17.35	0.054	
5240		11.91	5.50	17.41	0.055	

Test Item		Max_EIRP at any elevation angle > 30° form horizon				
Test Mode		Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0+1	Directional Gain	Max_EIRP		FCC Limit (dBm)
		Max. Output Power				
		(dBm)		(dBi)	(dBm)	
5190	27 M	11.69	5.50	17.19	0.052	< 21
5230		11.73	5.50	17.23	0.053	

Test Item		Max_EIRP at any elevation angle > 30° form horizon				
Test Mode		Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0+1	Directional Gain	Max_EIRP		FCC Limit (dBm)
		Max. Output Power				
		(dBm)	(dBi)	(dBm)	(W)	
5210	58.6 M	11.45	5.50	16.94	0.049	< 21

Note: The relevant measured result has the offset with cable loss already.

26 dB RF Bandwidth Measurement & 99 % Occupied Bandwidth Measurement

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5180	18.760	18.930	16.454	16.458
5200	19.270	18.850	16.432	16.453
5240	19.100	18.960	16.457	16.451

Test Mode	Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5180	19.850	20.000	17.623	17.623
5200	19.900	20.130	17.589	17.603
5240	19.970	19.920	17.624	17.624

Test Mode	Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5190	40.140	40.210	36.028	35.973
5230	40.120	40.110	35.996	35.987

Test Mode	Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5210	82.410	83.020	75.760	75.722

Note: The 99 % occupied bandwidth not crossed 5250 MHz.

Beamforming on

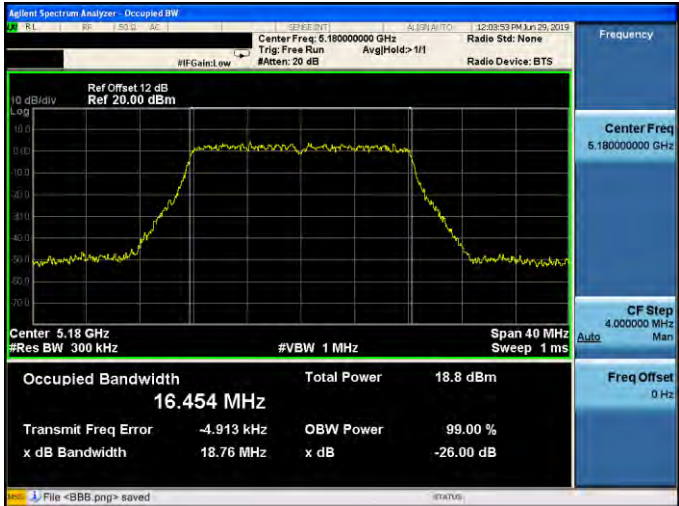
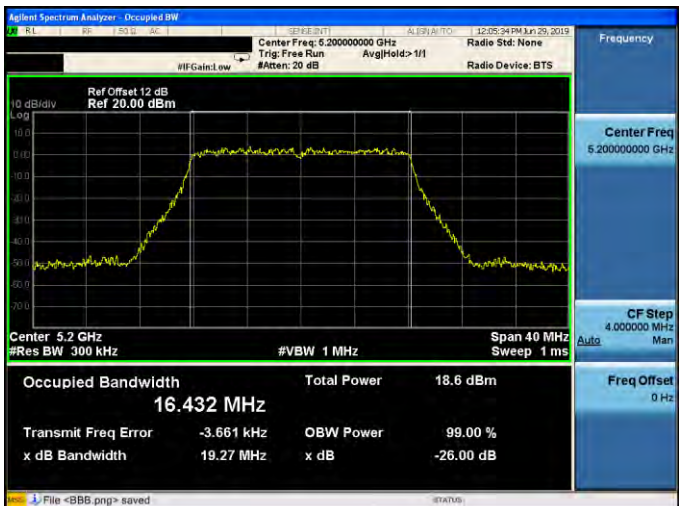
Test Mode	Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5180	19.870	20.070	17.612	17.640
5200	20.080	20.120	17.610	17.609
5240	19.910	20.150	17.606	17.632

Test Mode	Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5190	40.030	40.140	36.037	36.007
5230	39.980	40.310	36.038	36.045

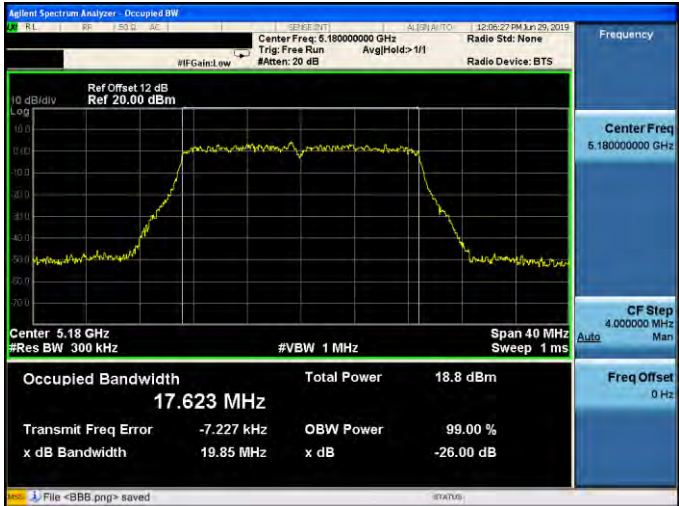
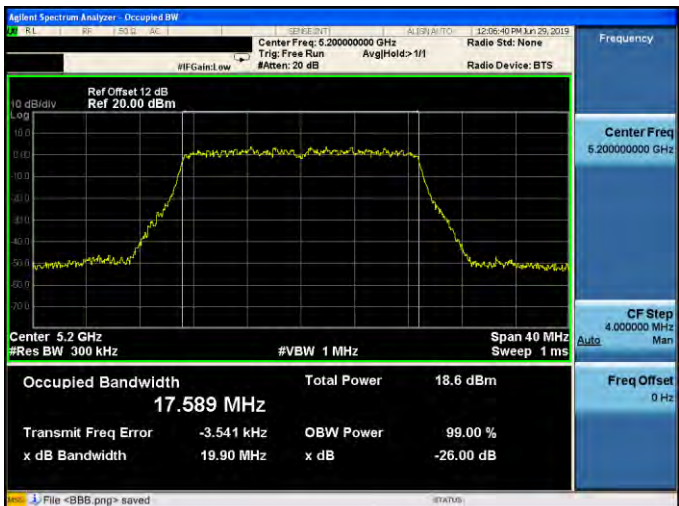
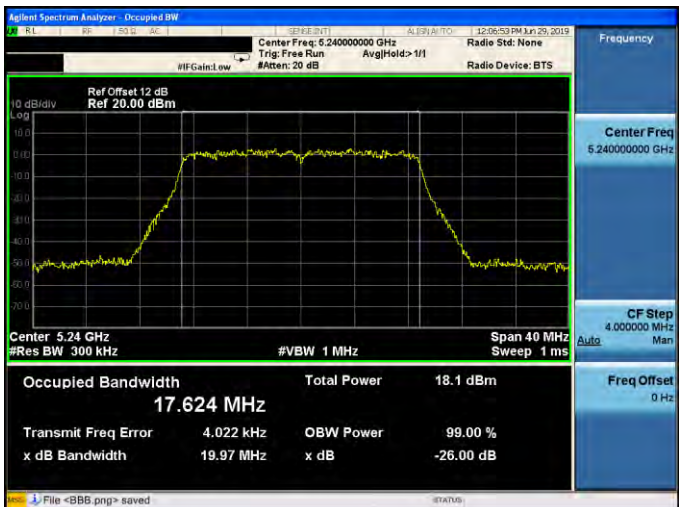
Test Mode	Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5210	83.080	82.790	75.635	75.717

Note: The 99 % occupied bandwidth not crossed 5250 MHz.

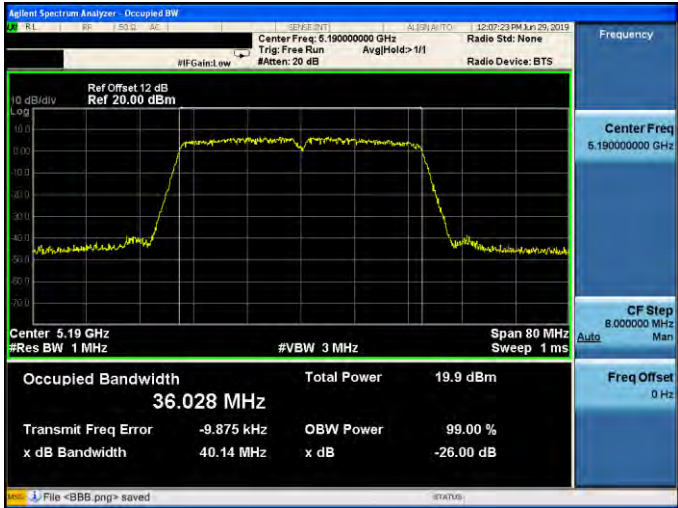
Test Graphs

Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0	
5180 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.18000000 GHz Trig: Free Run #Atten: 20 dB Radio Std: None Radio Device: BTS Ref Offset 12 dB Ref 20.00 dBm Center 5.18 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms Occupied Bandwidth 16.454 MHz Total Power 18.8 dBm Transmit Freq Error -4.913 kHz OBW Power 99.00 % x dB Bandwidth 18.76 MHz x dB -26.00 dB File <BB6.png> saved
5200 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.20000000 GHz Trig: Free Run #Atten: 20 dB Radio Std: None Radio Device: BTS Ref Offset 12 dB Ref 20.00 dBm Center 5.2 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms Occupied Bandwidth 16.432 MHz Total Power 18.6 dBm Transmit Freq Error -3.661 kHz OBW Power 99.00 % x dB Bandwidth 19.27 MHz x dB -26.00 dB File <BB6.png> saved
5240 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.24000000 GHz Trig: Free Run #Atten: 20 dB Radio Std: None Radio Device: BTS Ref Offset 12 dB Ref 20.00 dBm Center 5.24 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms Occupied Bandwidth 16.457 MHz Total Power 18.3 dBm Transmit Freq Error 2.554 kHz OBW Power 99.00 % x dB Bandwidth 19.10 MHz x dB -26.00 dB File <BB6.png> saved

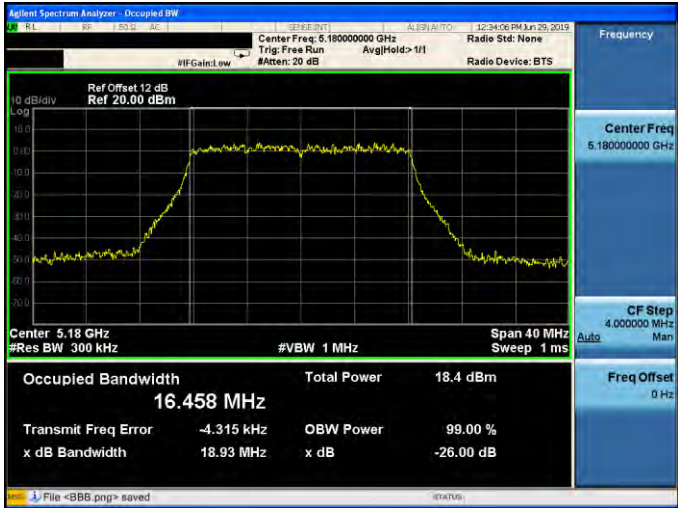
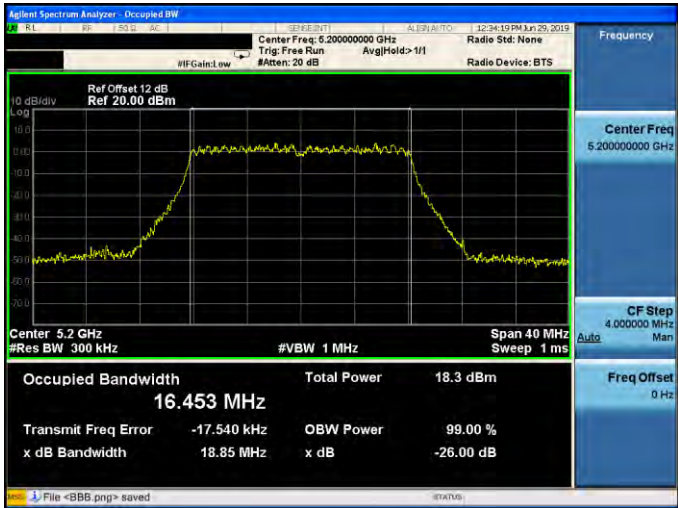
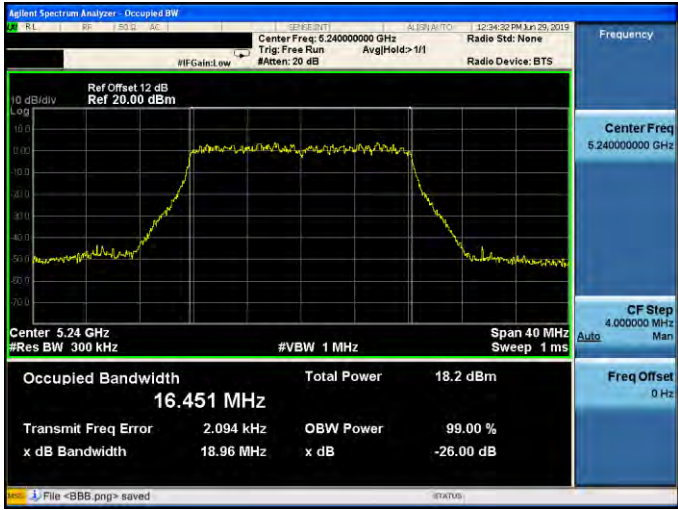


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ ANT-0	
5180 MHz	
5200 MHz	
5240 MHz	



Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-0	
5190 MHz	
5230 MHz	
Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode_ ANT-0	
5210 MHz	

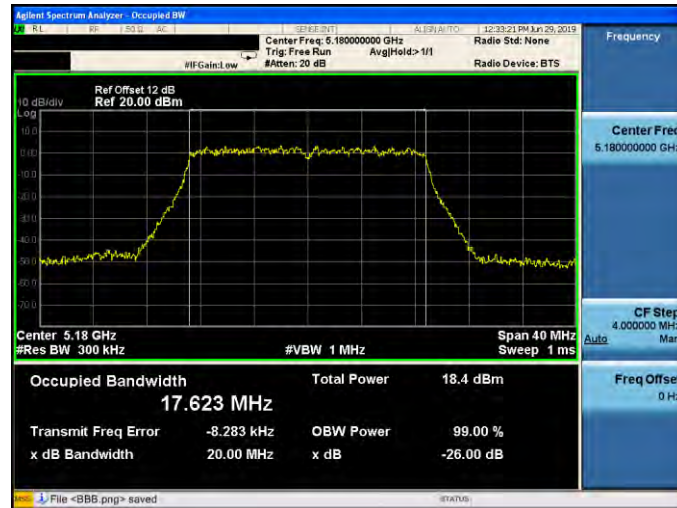


Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

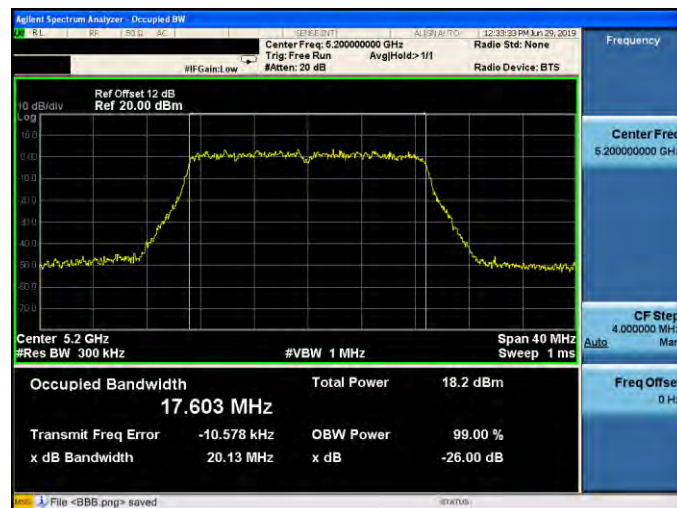


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ ANT-1

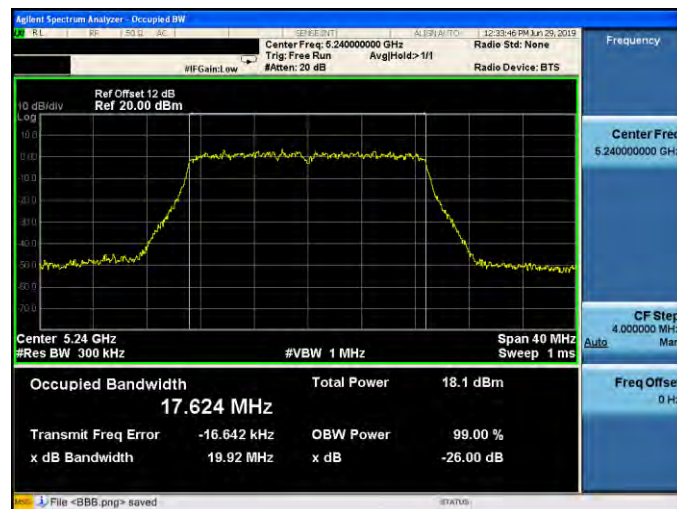
5180 MHz



5200 MHz



5240 MHz





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

5190 MHz



5230 MHz



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

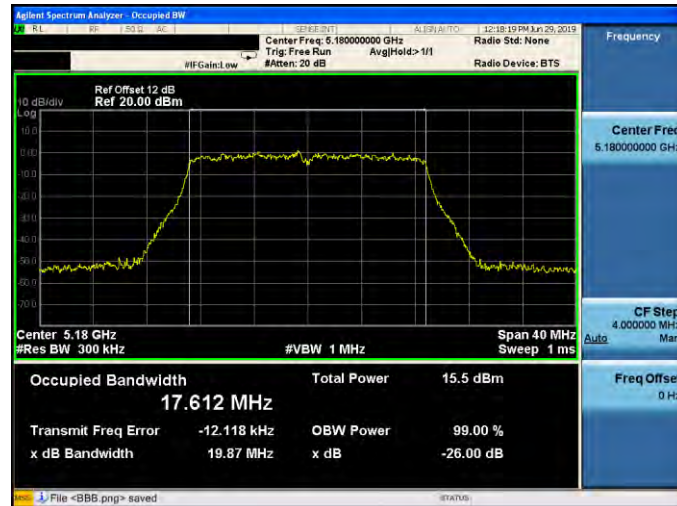
5210 MHz



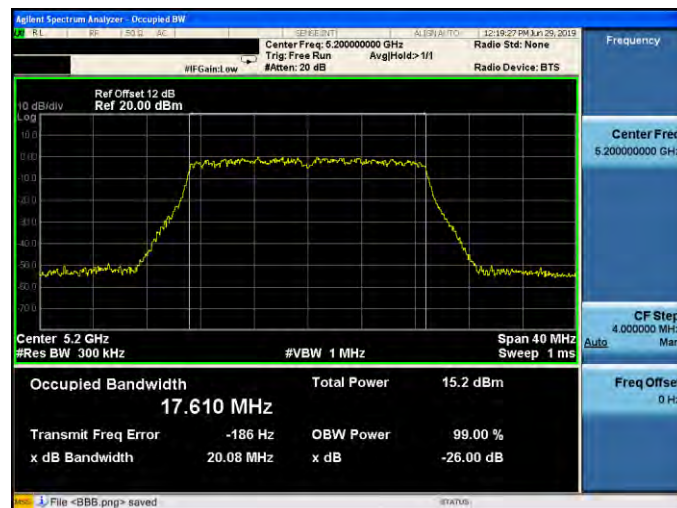
Beamforming on

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

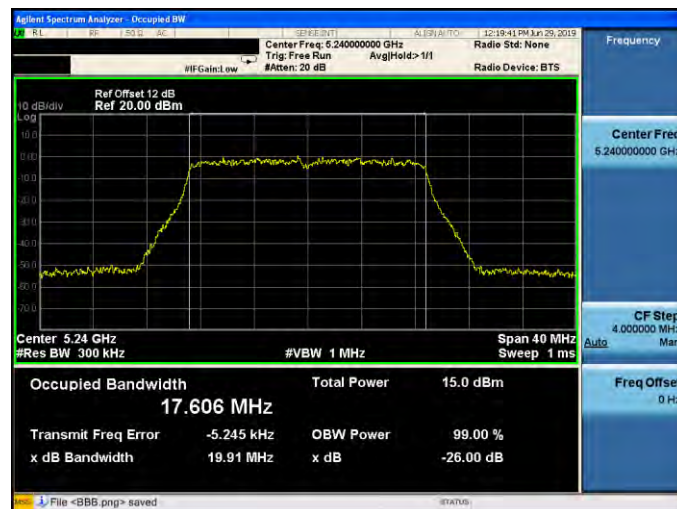
5180 MHz



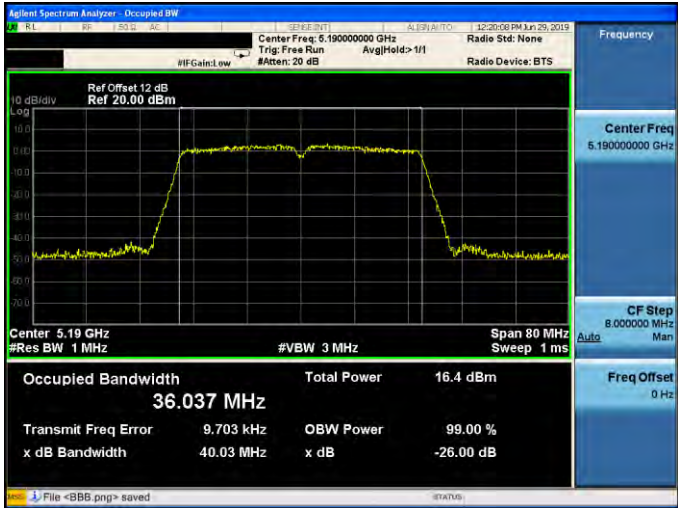
5200 MHz

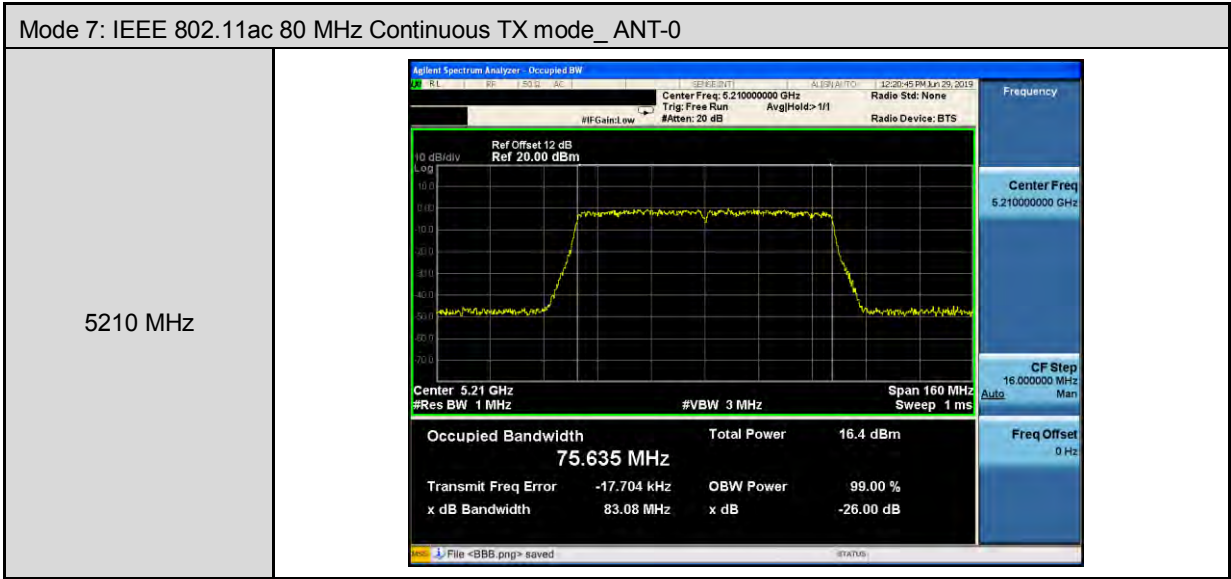


5240 MHz

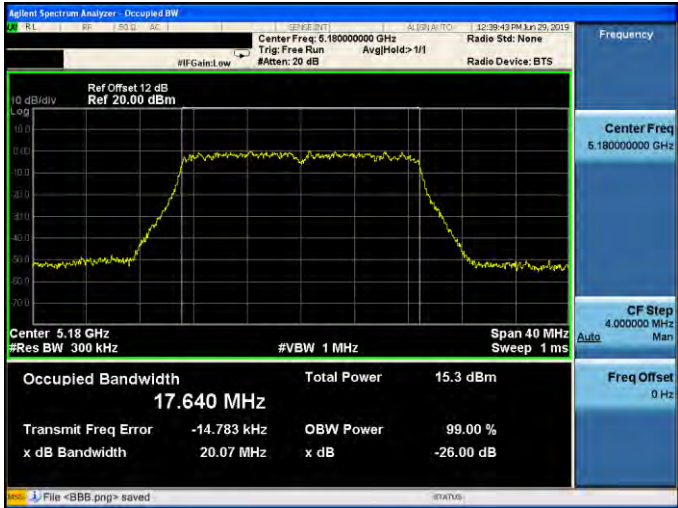
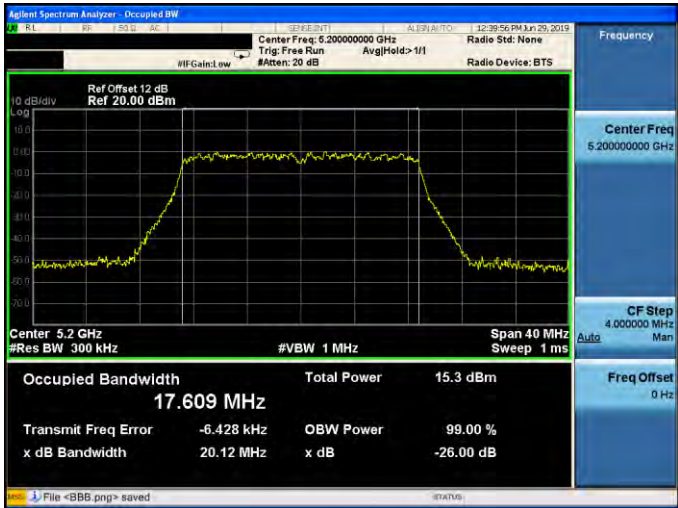
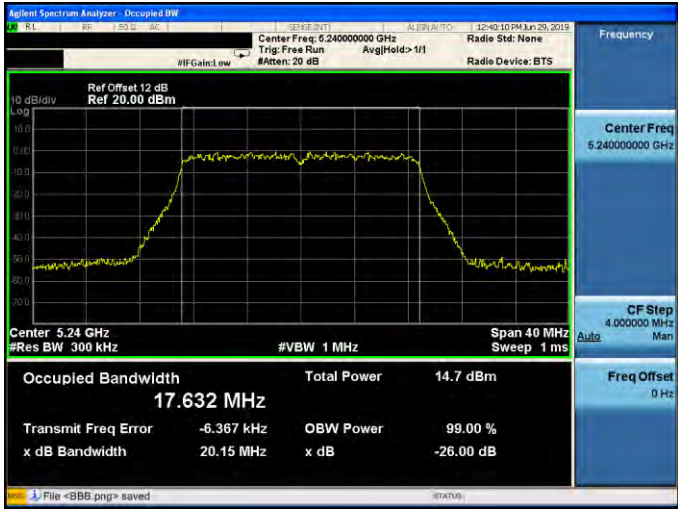




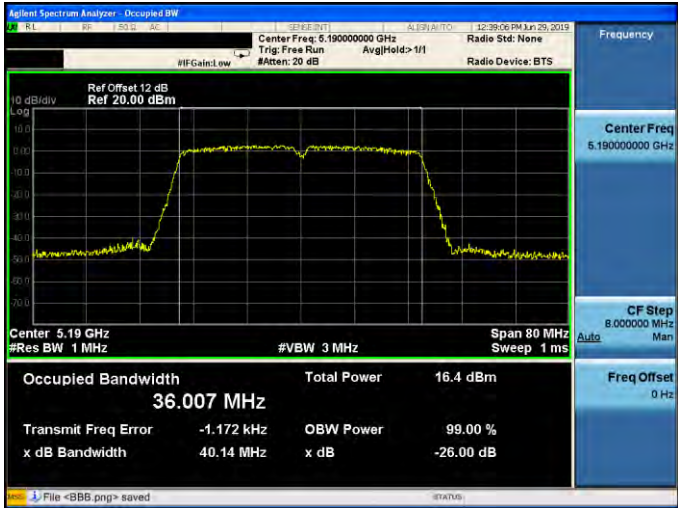
Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-0	
5190 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.190000000 GHz Trig: Free Run #Atten: 20 dB Radio Std: None Radio Device: BTS Ref Offset 12 dB Ref 20.00 dBm Center 5.19 GHz #Res BW 1 MHz #VBW 3 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 36.037 MHz Total Power 16.4 dBm Transmit Freq Error 9.703 kHz OBW Power 99.00 % x dB Bandwidth 40.03 MHz x dB -26.00 dB File <BB6.png> saved
5230 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.230000000 GHz Trig: Free Run #Atten: 20 dB Radio Std: None Radio Device: BTS Ref Offset 12 dB Ref 20.00 dBm Center 5.23 GHz #Res BW 1 MHz #VBW 3 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 36.038 MHz Total Power 16.0 dBm Transmit Freq Error 8.744 kHz OBW Power 99.00 % x dB Bandwidth 39.98 MHz x dB -26.00 dB File <BB6.png> saved

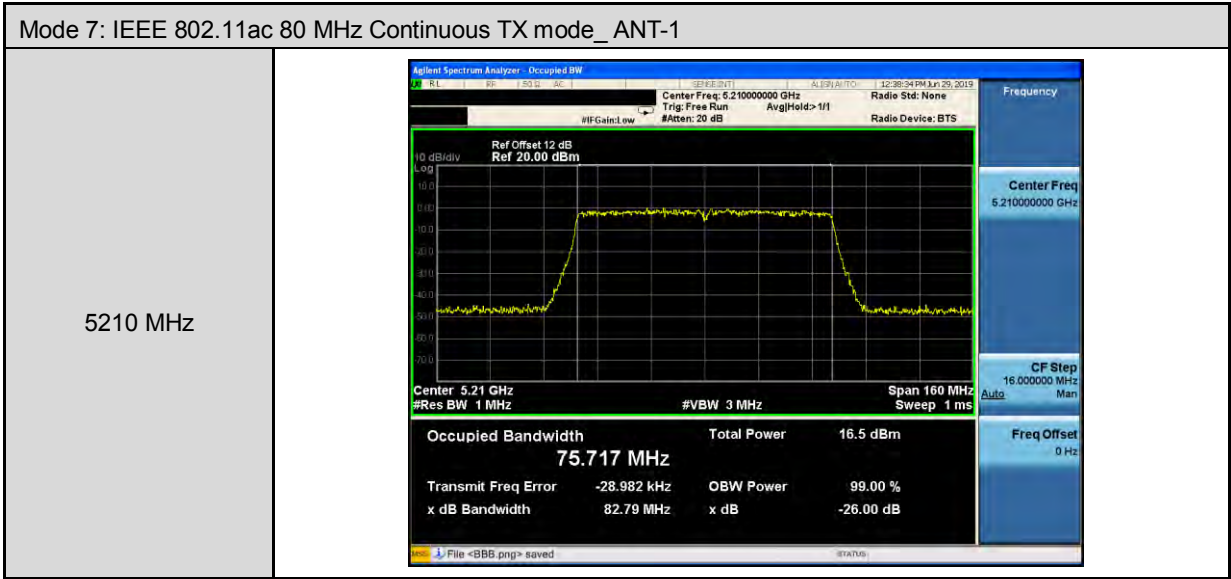




Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	



Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-1	
5190 MHz	
5230 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	16390	16400	≥ 500
5785	16380	16380	≥ 500
5825	16370	16370	≥ 500

Test Mode	Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5745	17680	17540	≥ 500
5785	17610	17590	≥ 500
5825	17590	17620	≥ 500

Test Mode	Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5755	35350	35500	≥ 500
5795	35870	35230	≥ 500

Test Mode	Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5775	76320	75800	≥ 500

Beamforming on

Test Mode	Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5745	17630	17620	≥ 500
5785	17640	17630	≥ 500
5825	17590	17700	≥ 500

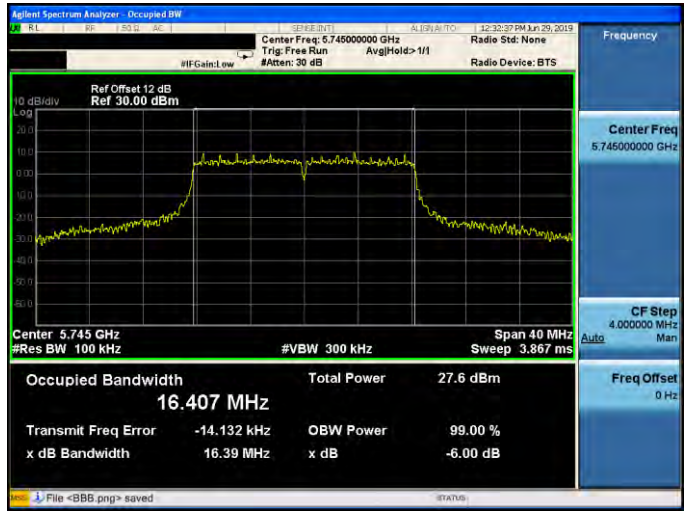
Test Mode	Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5755	35230	35220	≥ 500
5795	33970	35090	≥ 500

Test Mode	Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5775	76260	76340	≥ 500

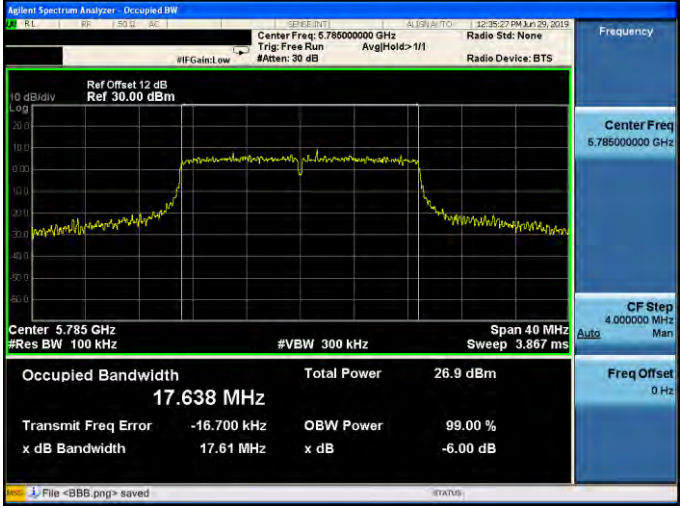


Test Graphs

Mode 2: IEEE 802.11a Continuous TX mode_ANT-0

5745 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.74500000 GHz Trig: Free Run #IF Gain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 12 dB Ref 30.00 dBm Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms Occupied Bandwidth 16.407 MHz Total Power 27.6 dBm Transmit Freq Error -14.132 kHz OBW Power 99.00 % x dB Bandwidth 16.39 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 #IF Gain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 12 dB Ref 30.00 dBm Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms Occupied Bandwidth 16.416 MHz Total Power 26.9 dBm Transmit Freq Error -1.847 kHz OBW Power 99.00 % x dB Bandwidth 16.38 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 #IF Gain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 12 dB Ref 30.00 dBm Center 5.825 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms Occupied Bandwidth 16.437 MHz Total Power 27.1 dBm Transmit Freq Error -16.308 kHz OBW Power 99.00 % x dB Bandwidth 16.37 MHz x dB -6.00 dB File <BBB.png> saved



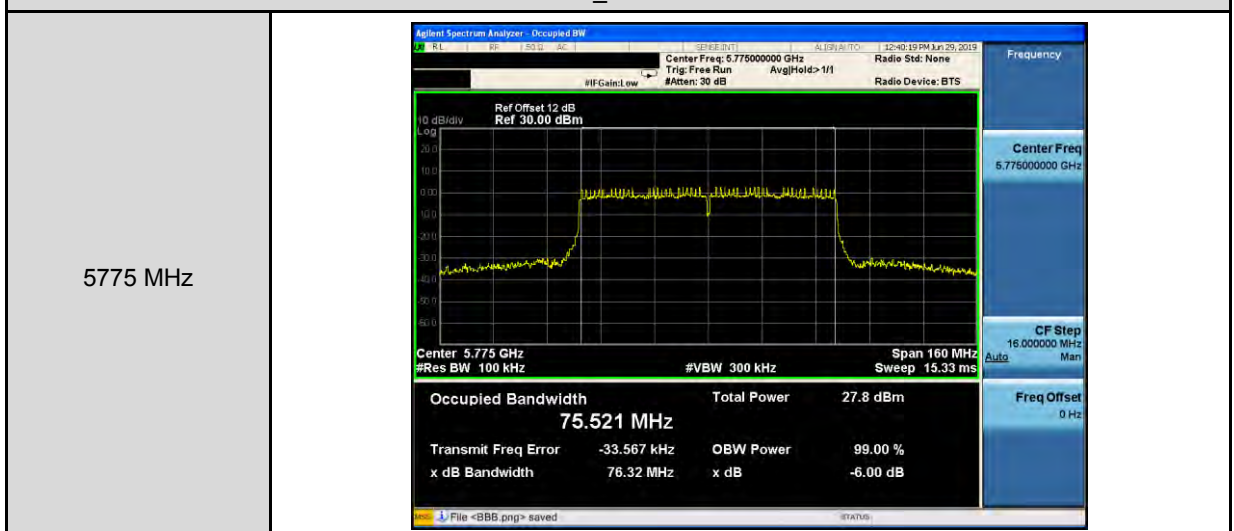
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-0	
5745 MHz	
5785 MHz	
5825 MHz	



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



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





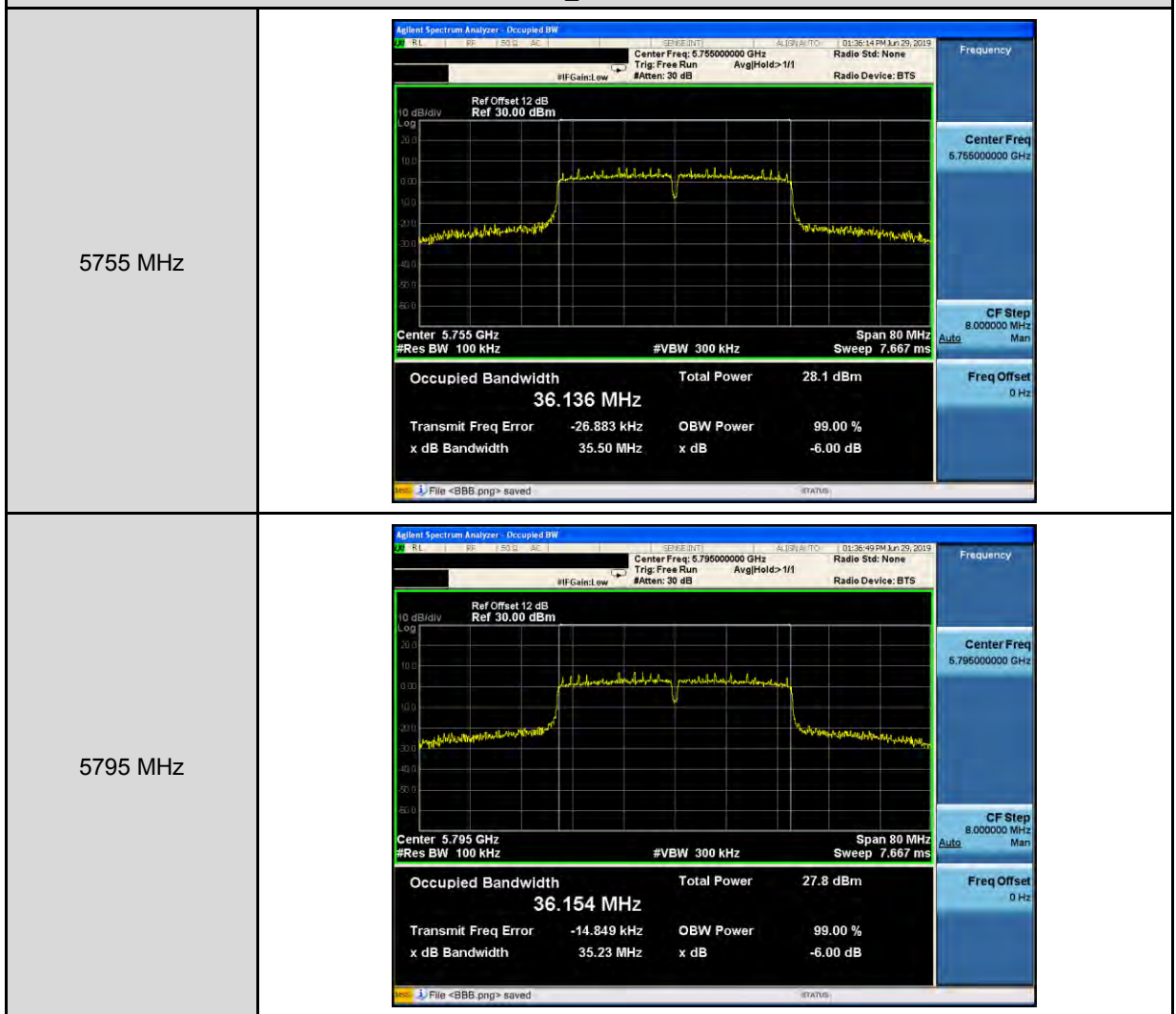
Mode 2: IEEE 802.11a Continuous TX mode_ANT-1	
5745 MHz	
5785 MHz	
5825 MHz	



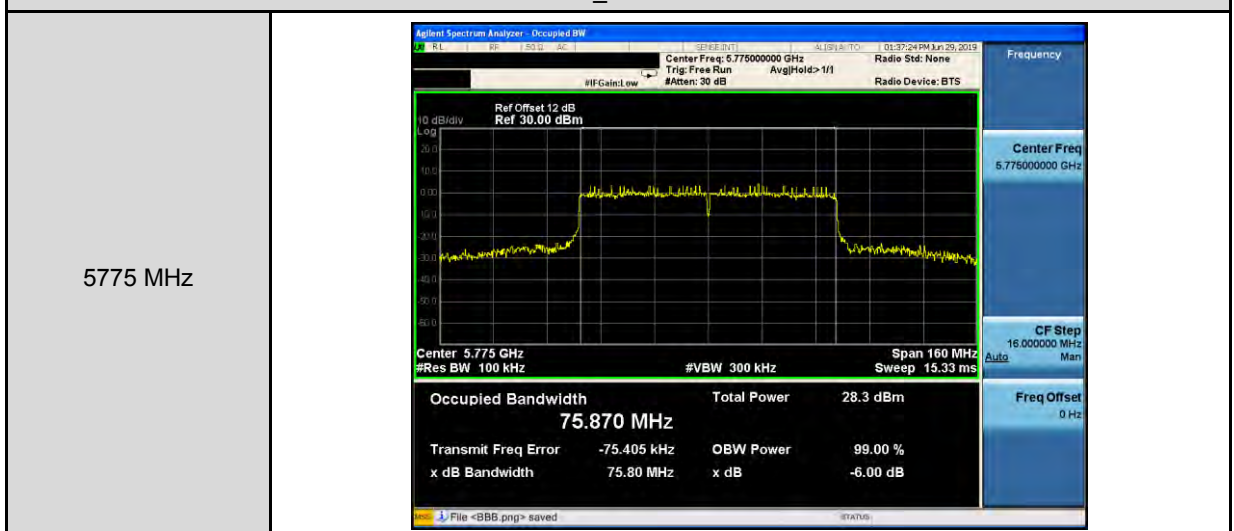
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5745 MHz	Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.745000000 GHz Trig: Free Run #Atten: 30 dB Radio Std: None Radio Device: BTS Ref Offset 12 dB Ref 30.00 dBm Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms Occupied Bandwidth 17.730 MHz Total Power 28.4 dBm Transmit Freq Error -21.925 kHz OBW Power 99.00 % x dB Bandwidth 17.54 MHz x dB -6.00 dB File <BBB.png> saved STATUS Frequency Center Freq 5.745000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz
5785 MHz	Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.785000000 GHz Trig: Free Run #Atten: 30 dB Radio Std: None Radio Device: BTS Ref Offset 12 dB Ref 30.00 dBm Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms Occupied Bandwidth 17.785 MHz Total Power 27.9 dBm Transmit Freq Error -16.407 kHz OBW Power 99.00 % x dB Bandwidth 17.59 MHz x dB -6.00 dB File <BBB.png> saved STATUS Frequency Center Freq 5.785000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz
5825 MHz	Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.825000000 GHz Trig: Free Run #Atten: 30 dB Radio Std: None Radio Device: BTS Ref Offset 12 dB Ref 30.00 dBm Center 5.825 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms Occupied Bandwidth 17.871 MHz Total Power 27.8 dBm Transmit Freq Error -35.207 kHz OBW Power 99.00 % x dB Bandwidth 17.62 MHz x dB -6.00 dB File <BBB.png> saved STATUS Frequency Center Freq 5.825000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz



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



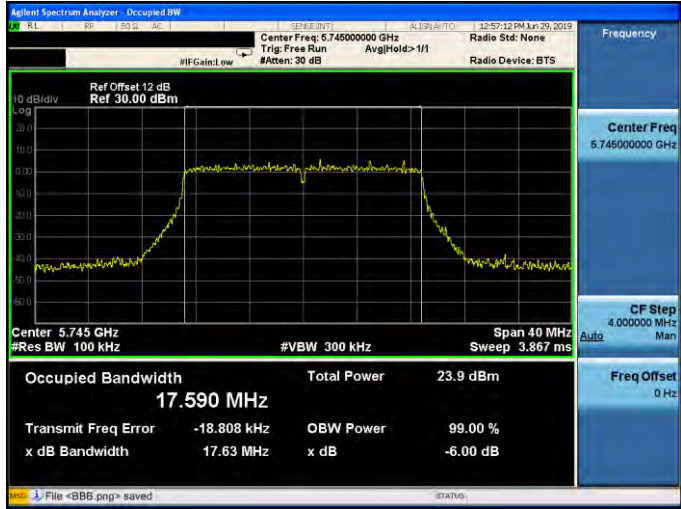
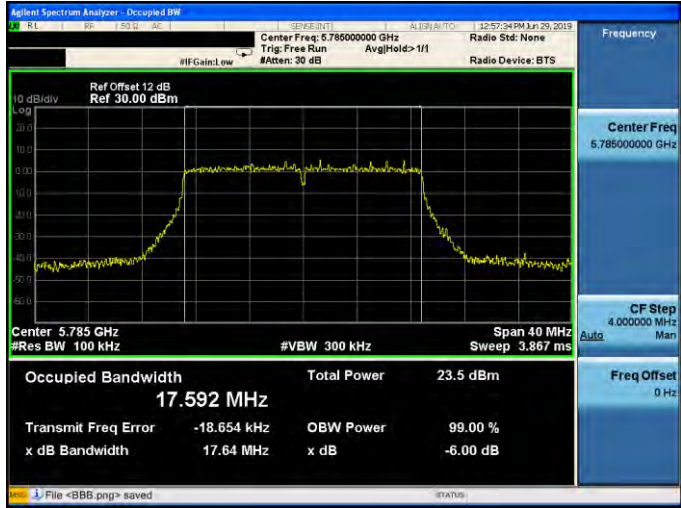
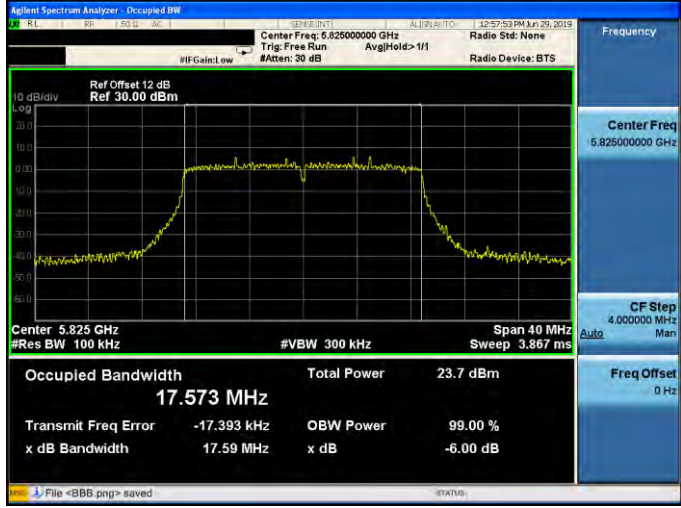
Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-1



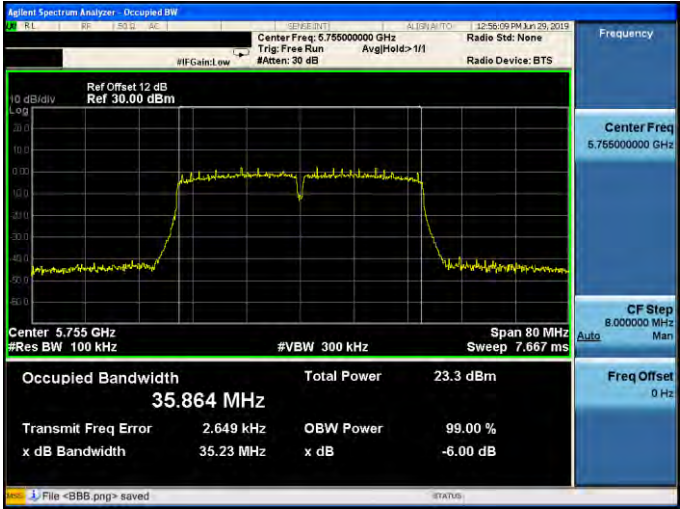
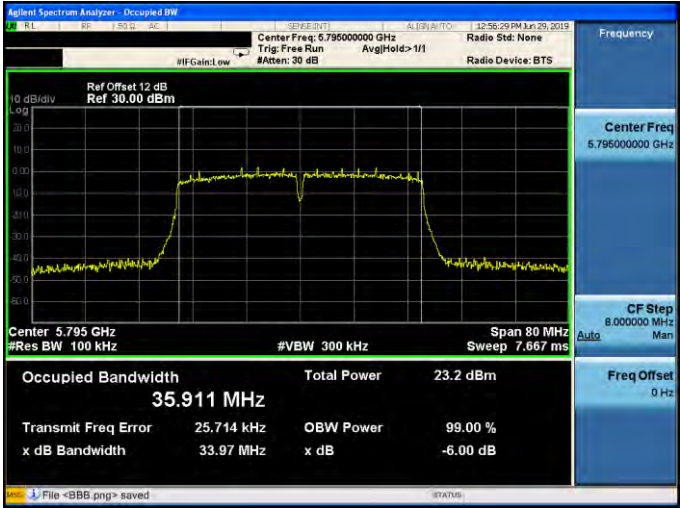


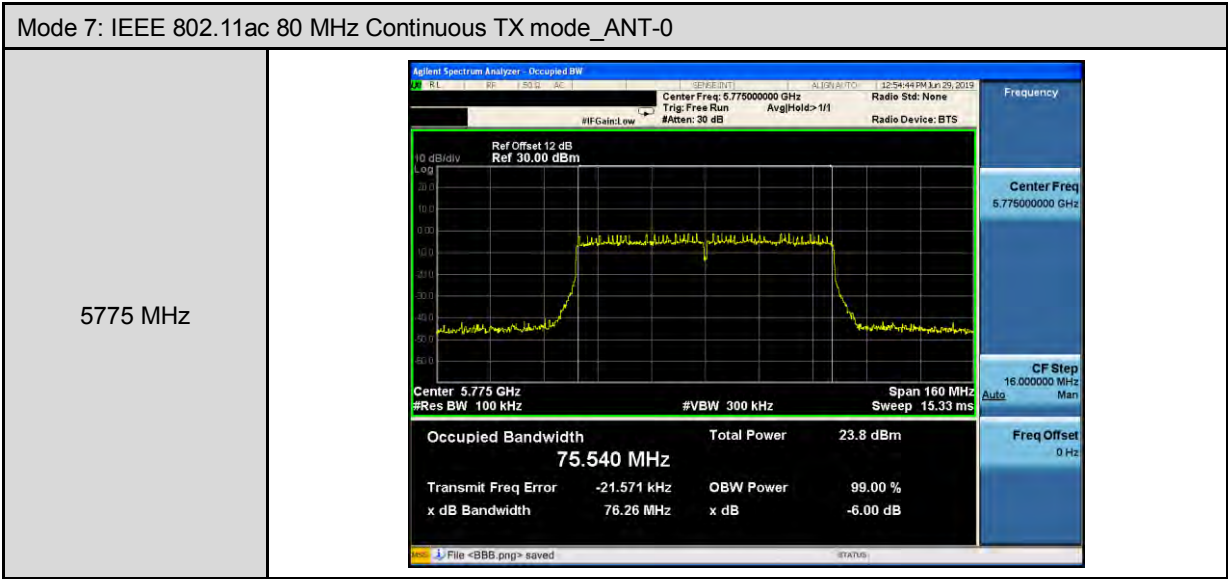
Beamforming on

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: 30 dB Radio Std: None Radio Device: BTS Ref Offset 12 dB Ref 30.00 dBm 10 dB/div Log Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms Occupied Bandwidth 17.590 MHz Total Power 23.9 dBm Transmit Freq Error -18.808 kHz OBW Power 99.00 % x dB Bandwidth 17.63 MHz x dB -6.00 dB File <BBB.png> saved Frequency Center Freq 5.74500000 GHz CF Step 4.000000 MHz Auto Man Freq Offset 0 Hz
5785 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.78500000 GHz Trig: Free Run #Att: 30 dB Radio Std: None Radio Device: BTS Ref Offset 12 dB Ref 30.00 dBm 10 dB/div Log Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms Occupied Bandwidth 17.592 MHz Total Power 23.5 dBm Transmit Freq Error -18.654 kHz OBW Power 99.00 % x dB Bandwidth 17.64 MHz x dB -6.00 dB File <BBB.png> saved Frequency Center Freq 5.78500000 GHz CF Step 4.000000 MHz Auto Man Freq Offset 0 Hz
5825 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.82500000 GHz Trig: Free Run #Att: 30 dB Radio Std: None Radio Device: BTS Ref Offset 12 dB Ref 30.00 dBm 10 dB/div Log Center 5.825 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms Occupied Bandwidth 17.573 MHz Total Power 23.7 dBm Transmit Freq Error -17.393 kHz OBW Power 99.00 % x dB Bandwidth 17.59 MHz x dB -6.00 dB File <BBB.png> saved Frequency Center Freq 5.82500000 GHz CF Step 4.000000 MHz Auto Man Freq Offset 0 Hz

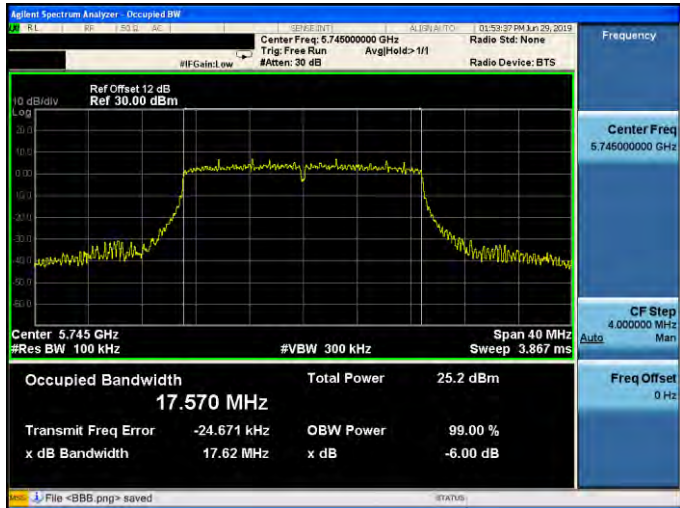
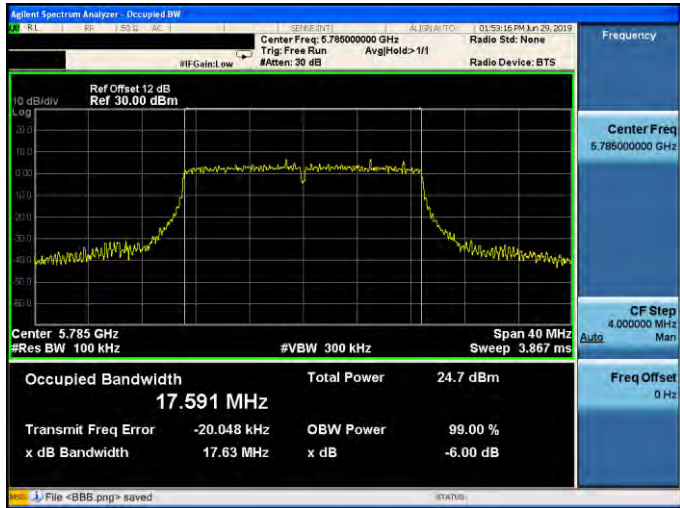
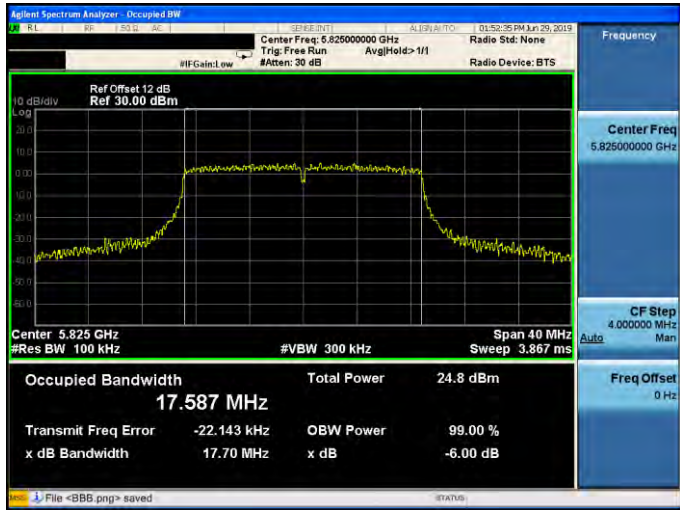


Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0	
5755 MHz	
5795 MHz	

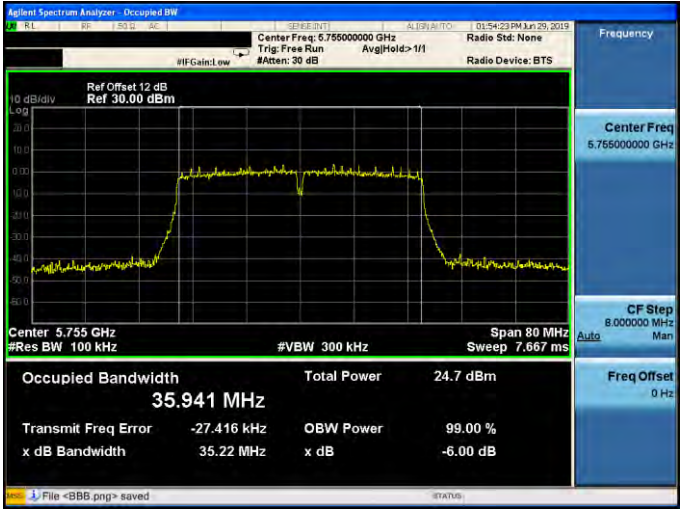


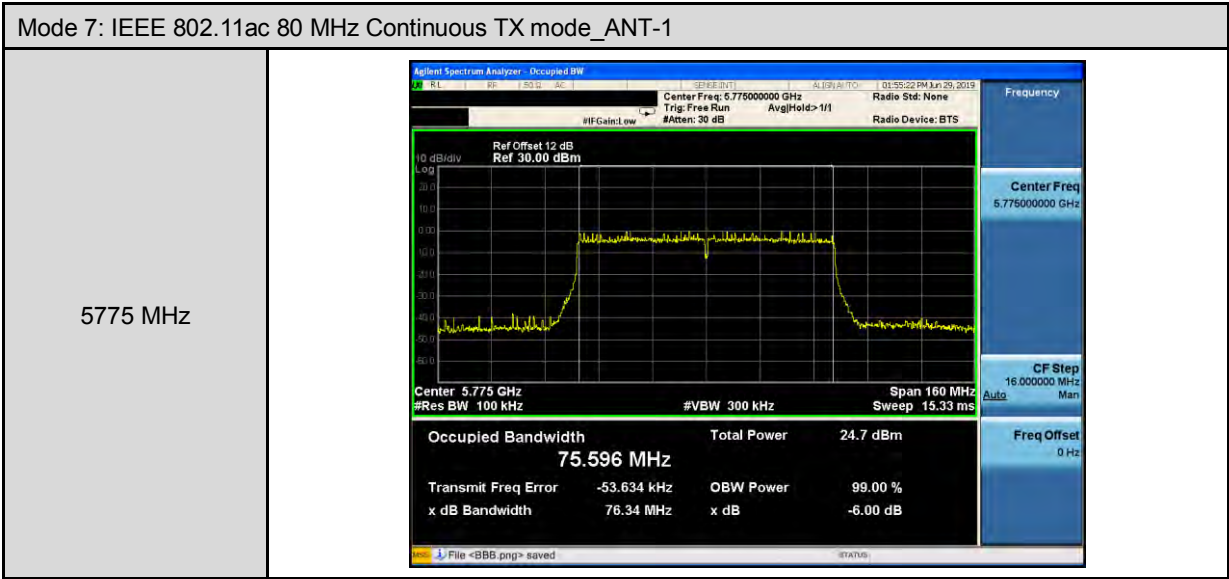


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1

5745 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.74500000 GHz Trig: Free Run #IF Gain: Low #Atten: 30 dB Radio Std: None Radio Device: BTS Ref Offset 12 dB Ref 30.00 dBm Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms Occupied Bandwidth 17.570 MHz Total Power 25.2 dBm Transmit Freq Error -24.671 kHz OBW Power 99.00 % x dB Bandwidth 17.62 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 #IF Gain: Low #Atten: 30 dB Radio Std: None Radio Device: BTS Ref Offset 12 dB Ref 30.00 dBm Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms Occupied Bandwidth 17.591 MHz Total Power 24.7 dBm Transmit Freq Error -20.048 kHz OBW Power 99.00 % x dB Bandwidth 17.63 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 #IF Gain: Low #Atten: 30 dB Radio Std: None Radio Device: BTS Ref Offset 12 dB Ref 30.00 dBm Center 5.825 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms Occupied Bandwidth 17.587 MHz Total Power 24.8 dBm Transmit Freq Error -22.143 kHz OBW Power 99.00 % x dB Bandwidth 17.70 MHz x dB -6.00 dB File <BBB.png> saved



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





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	1.373	0.124	1.497	≤ 14.50
5200	1.143	0.124	1.267	
5240	0.690	0.124	0.814	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	1.139	0.124	1.263	≤ 14.50
5200	0.989	0.124	1.113	
5240	0.756	0.124	0.880	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180	4.391			≤ 14.50
5200	4.200			
5240	3.857			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	0.64	0.124	7.75	≤ 28.33
5785	0.27	0.124	7.38	
5825	0.41	0.124	7.53	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	1.85	0.124	8.96	≤ 28.33
5785	1.30	0.124	8.41	
5825	1.24	0.124	8.35	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5745	11.41			≤ 28.33
5785	10.94			
5825	10.97			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	1.498	0.043	1.541	≤ 17.00
5200	1.577	0.043	1.620	
5240	0.629	0.043	0.672	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	1.123	0.043	1.166	≤ 17.00
5200	0.858	0.043	0.901	
5240	0.774	0.043	0.817	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180	4.368			≤ 17.00
5200	4.286			
5240	3.755			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	0.37	0.043	7.40	≤ 30.00
5785	0.32	0.043	7.35	
5825	0.44	0.043	7.47	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	1.66	0.043	8.69	≤ 30.00
5785	1.38	0.043	8.41	
5825	1.41	0.043	8.44	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5745	11.10			≤ 30.00
5785	10.93			
5825	10.99			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	-1.433	0.123	-1.310	≤ 17.00
5230	-1.535	0.123	-1.412	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	-1.521	0.123	-1.398	≤ 17.00
5230	-1.999	0.123	-1.876	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5190	1.656			≤ 17.00
5230	1.372			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-3.23	0.123	3.88	≤ 30.00
5795	-3.07	0.123	4.05	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-2.05	0.123	5.06	≤ 30.00
5795	-2.13	0.123	4.98	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5755	7.52			≤ 30.00
5795	7.55			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-5.377	0.254	-5.123	≤ 17.00
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-5.636	0.254	-5.382	≤ 17.00
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5210	-2.240			≤ 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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-7.01	0.254	0.24	≤ 30.00
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-6.02	0.254	1.22	≤ 30.00
Frequency (MHz)	ANT-0+1			
	Calculated (dBm/500 kHz)			Limit (dBm/500 kHz)
5775	3.77			≤ 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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	-1.992	0.043	-1.949	≤ 14.50
5200	-2.430	0.043	-2.387	
5240	-2.670	0.043	-2.627	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	-2.397	0.043	-2.354	≤ 14.50
5200	-2.434	0.043	-2.391	
5240	-2.885	0.043	-2.842	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180	0.863			≤ 14.50
5200	0.621			
5240	0.277			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-2.85	0.043	4.18	≤ 28.83
5785	-2.94	0.043	4.09	
5825	-2.99	0.043	4.04	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-1.28	0.043	5.76	≤ 28.83
5785	-1.62	0.043	5.41	
5825	-1.59	0.043	5.44	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5745	8.05			≤ 28.83
5785	7.81			
5825	7.81			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	-4.532	0.123	-4.409	≤ 14.50
5230	-5.185	0.123	-5.062	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	-5.096	0.123	-4.973	≤ 14.50
5230	-5.391	0.123	-5.268	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5190	-1.672			≤ 14.50
5230	-2.154			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-6.70	0.123	0.42	≤ 28.83
5795	-6.47	0.123	0.65	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-5.32	0.123	1.80	≤ 28.83
5795	-5.34	0.123	1.77	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5755	4.17			≤ 28.83
5795	4.26			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-8.860	0.254	-8.606	≤ 14.50
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-8.709	0.254	-8.455	≤ 14.50
Frequency (MHz)	ANT-0+1			
	Calculated (dBm/MHz)			Limit (dBm/MHz)
5210	-5.519			≤ 14.50

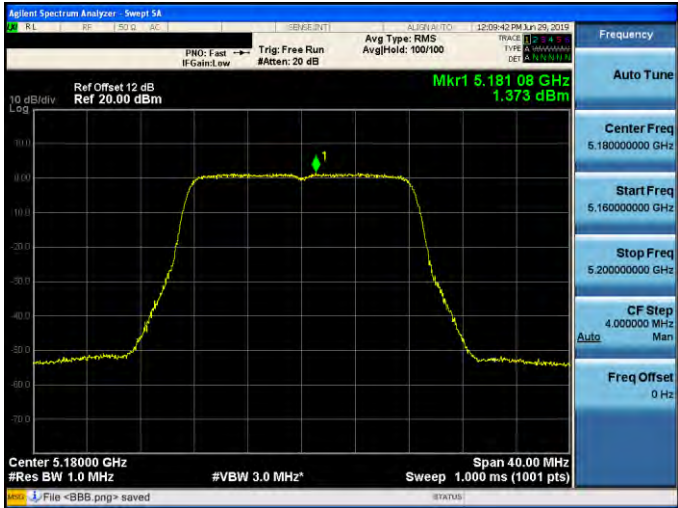
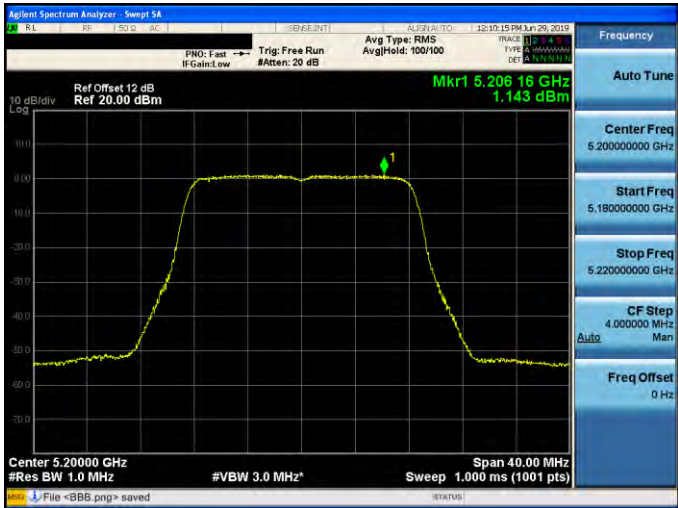
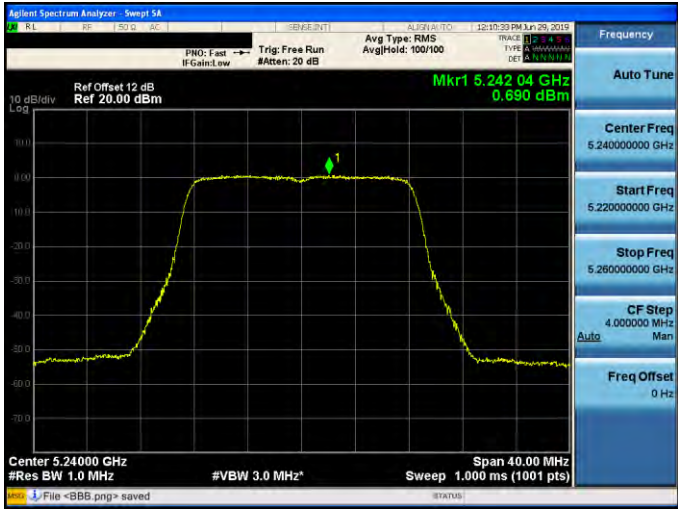
Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Test Mode	Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-10.73	0.254	-3.48	≤ 28.83
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-9.33	0.254	-2.08	≤ 28.83
Frequency (MHz)	ANT-0+1			
	Calculated (dBm/500 kHz)			Limit (dBm/500 kHz)
5775	0.29			≤ 28.83

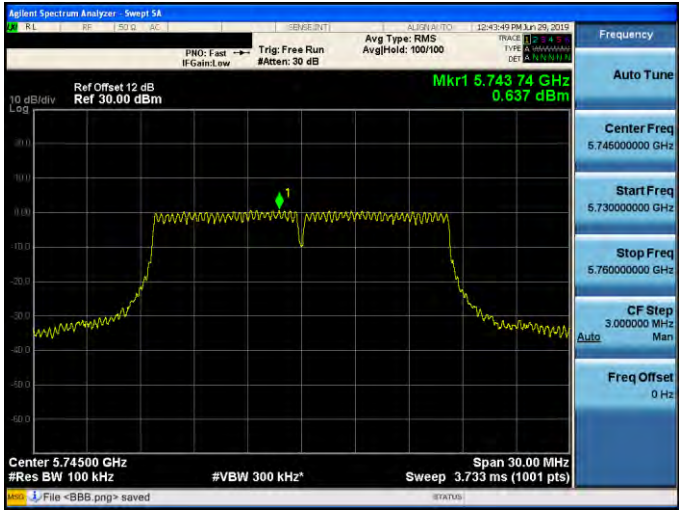
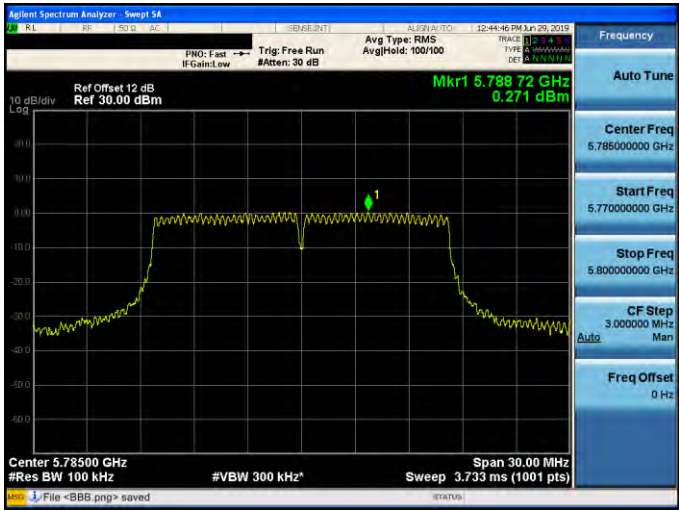
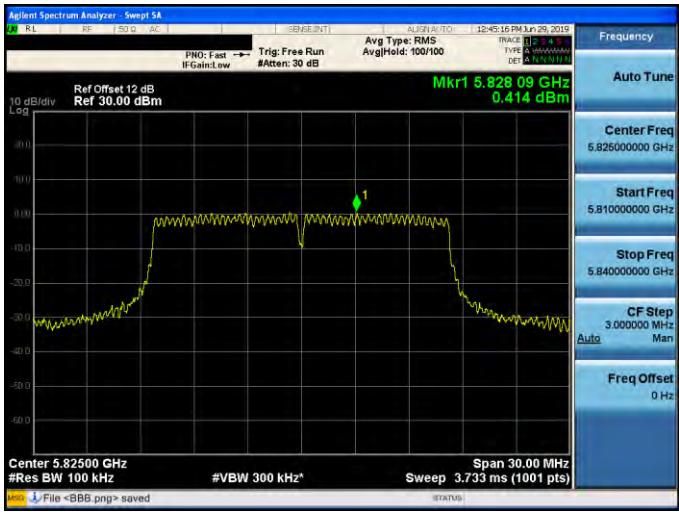
Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

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

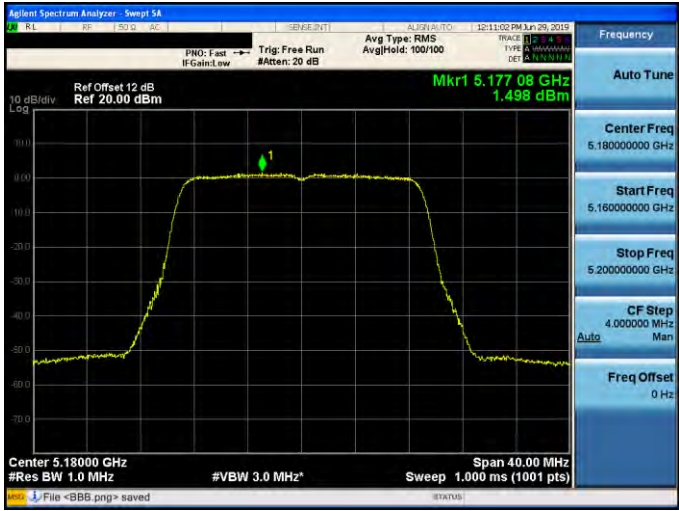
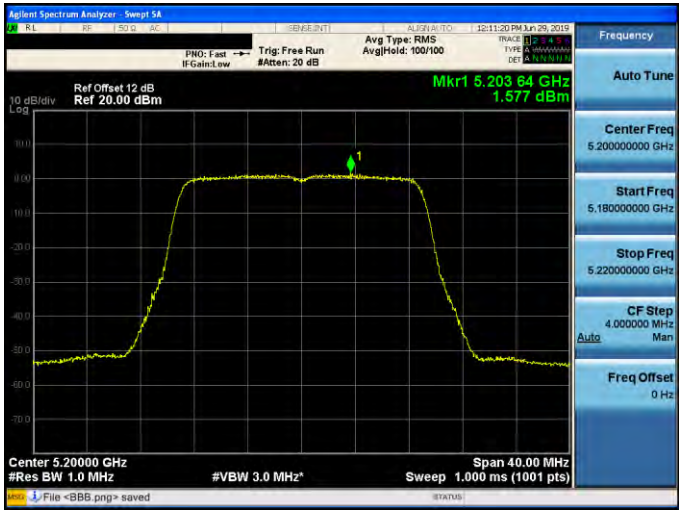
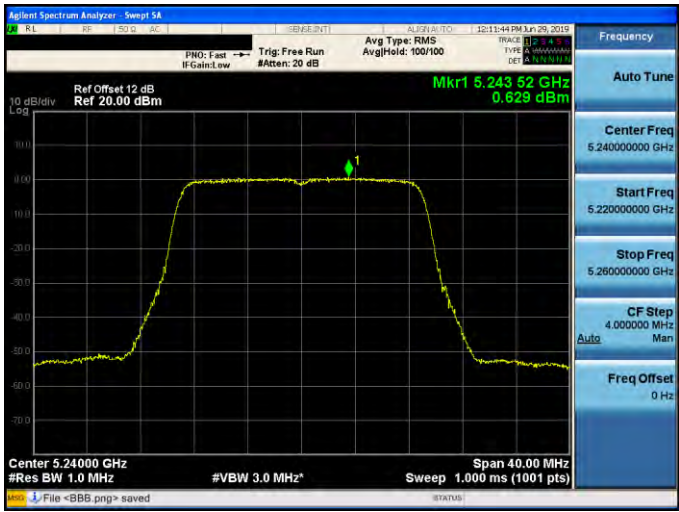
■ Test Graphs

Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0	
5180 MHz	 Agilent Spectrum Analyzer: Sweep 14 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS Avg/Hold: 100/100 Ref Offset 12 dB Ref 20.00 dBm Mkr1 5.181 08 GHz 1.373 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 <888.png> saved
5200 MHz	 Agilent Spectrum Analyzer: Sweep 14 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS Avg/Hold: 100/100 Ref Offset 12 dB Ref 20.00 dBm Mkr1 5.206 16 GHz 1.143 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 <888.png> saved
5240 MHz	 Agilent Spectrum Analyzer: Sweep 14 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: RMS Avg/Hold: 100/100 Ref Offset 12 dB Ref 20.00 dBm Mkr1 5.242 04 GHz 0.690 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 <888.png> saved

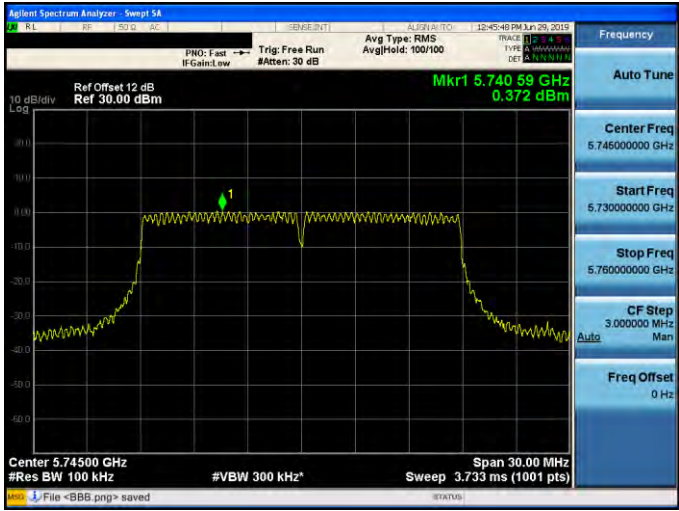
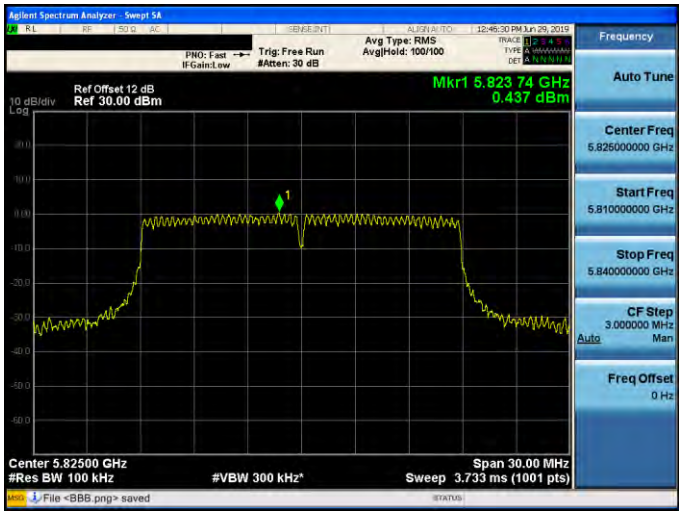


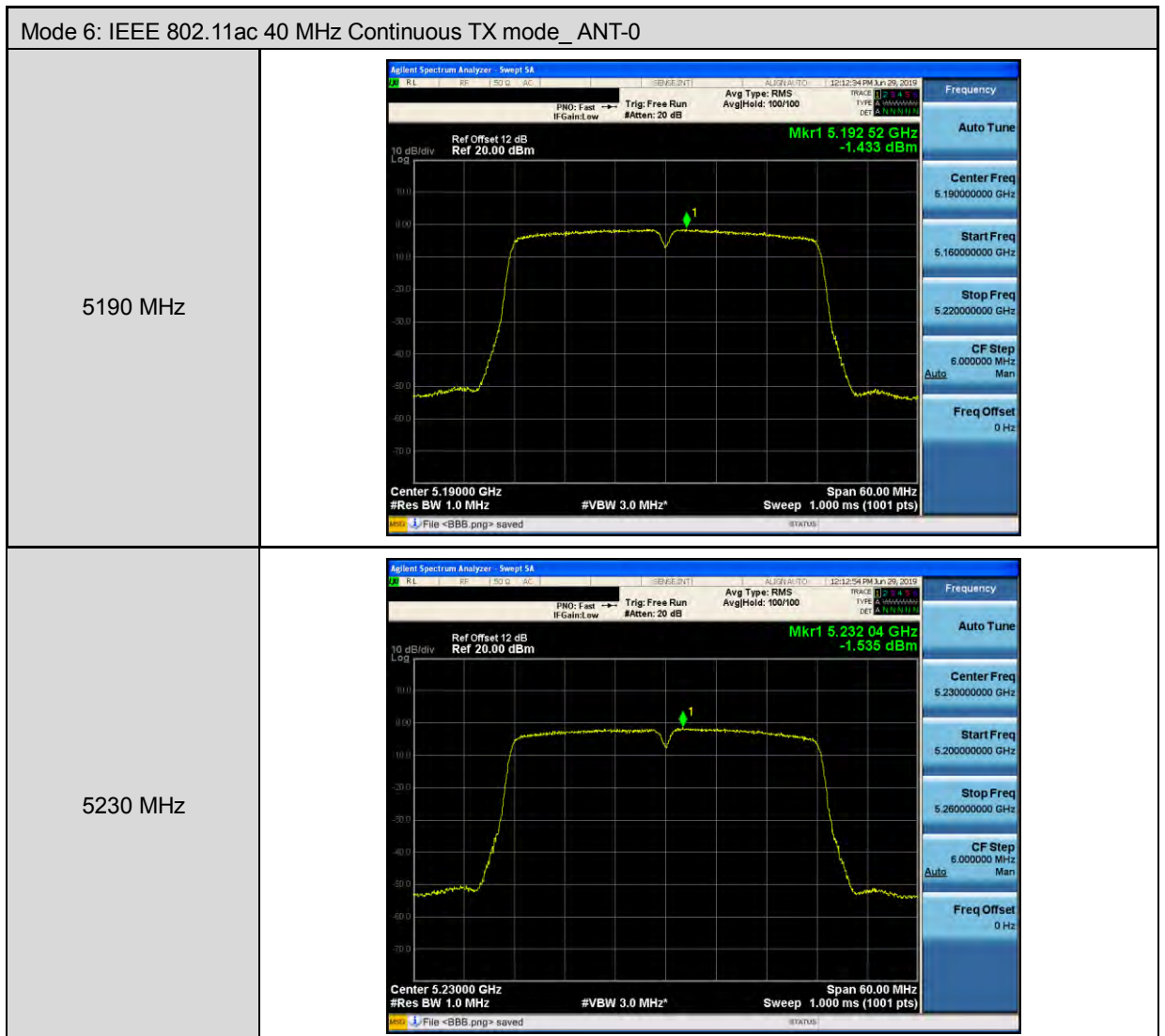
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0	
5745 MHz	
5785 MHz	
5825 MHz	



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

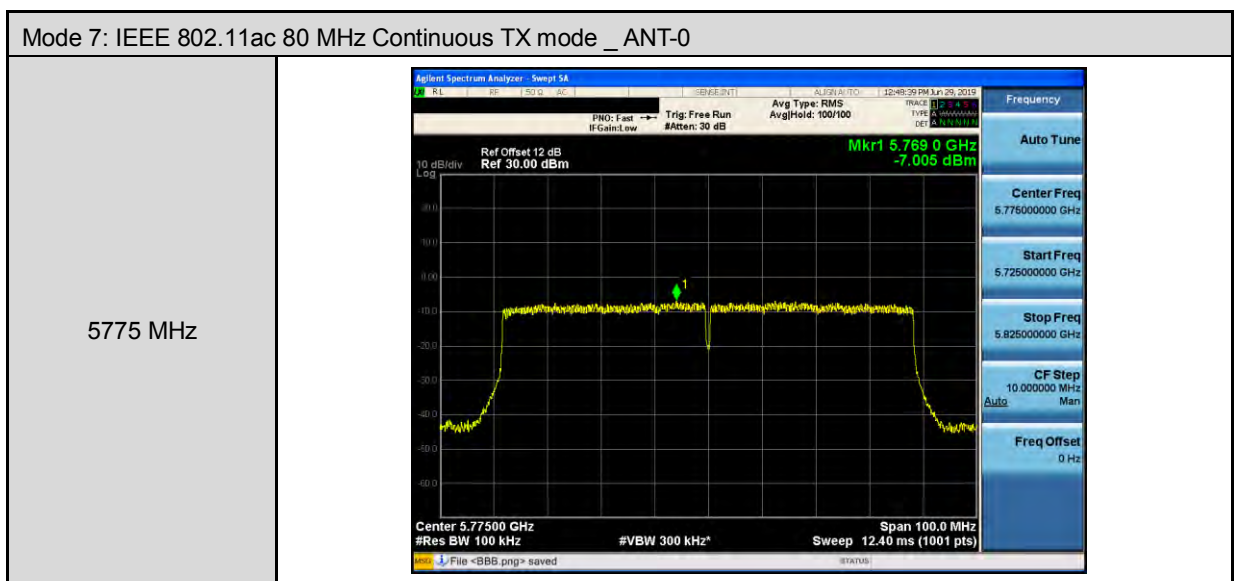
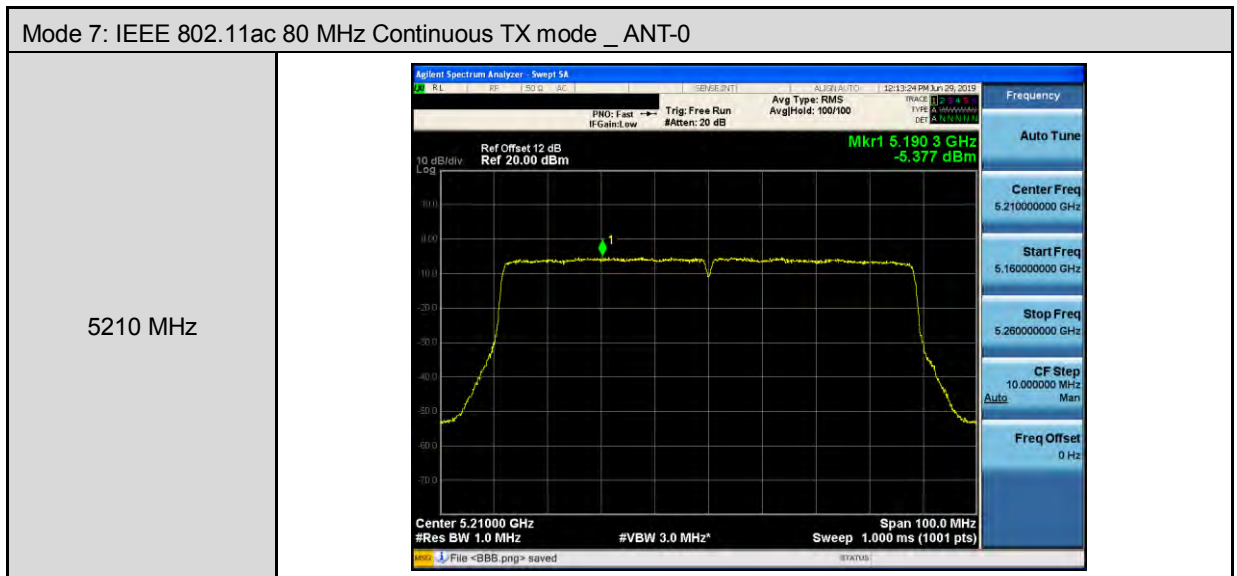


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-0	
5745 MHz	
5785 MHz	
5825 MHz	

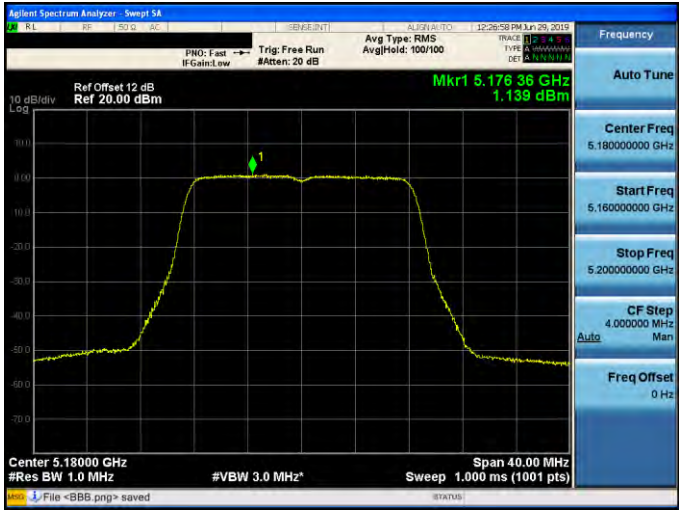
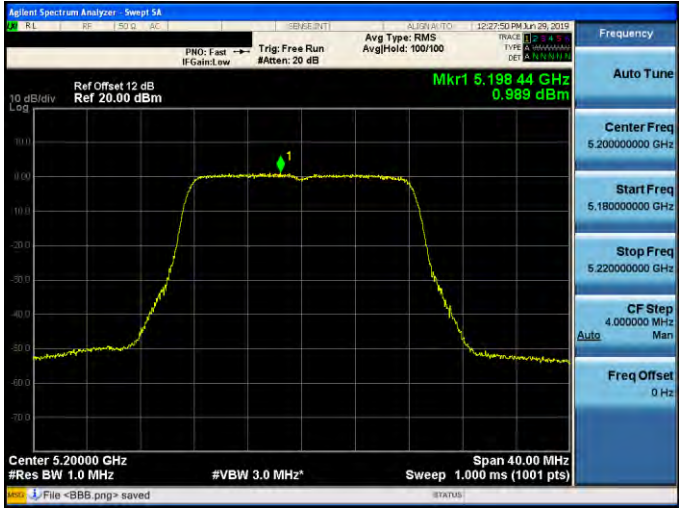
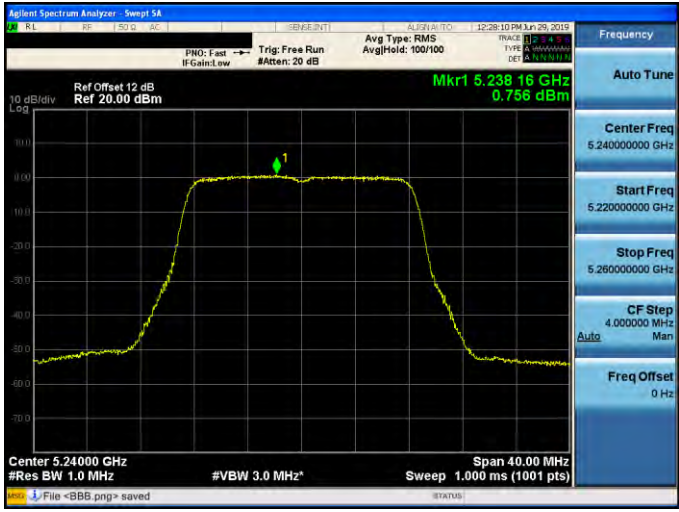




Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-0	
5755 MHz	
5795 MHz	



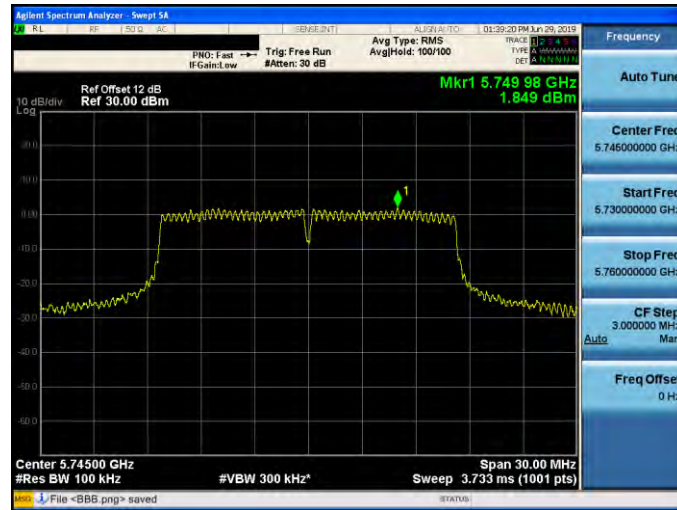


Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

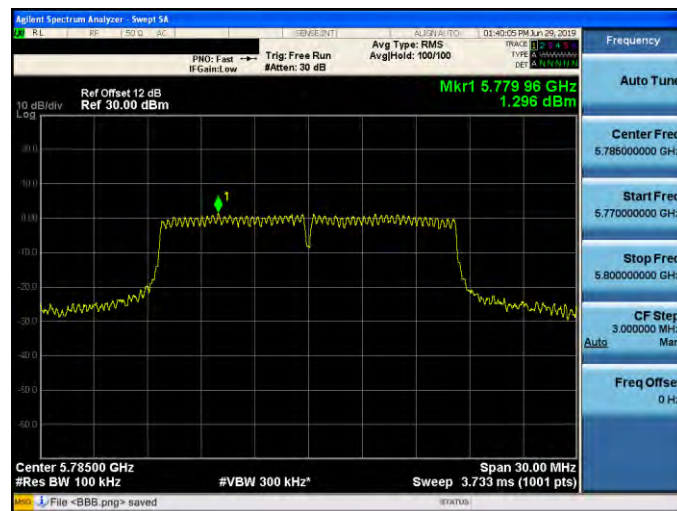


Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1

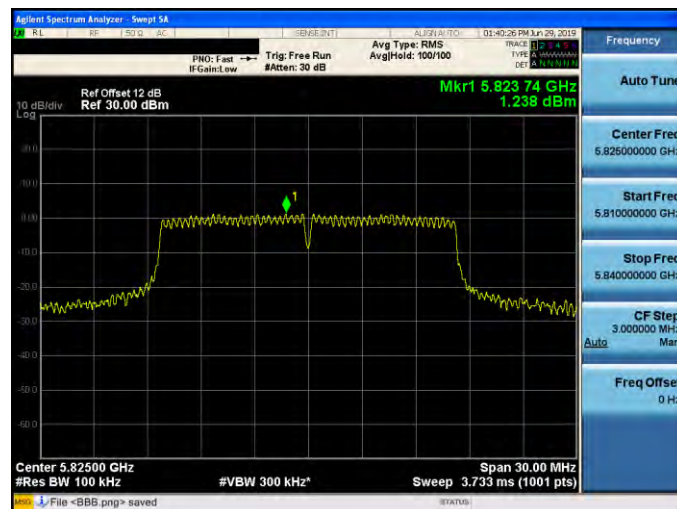
5745 MHz



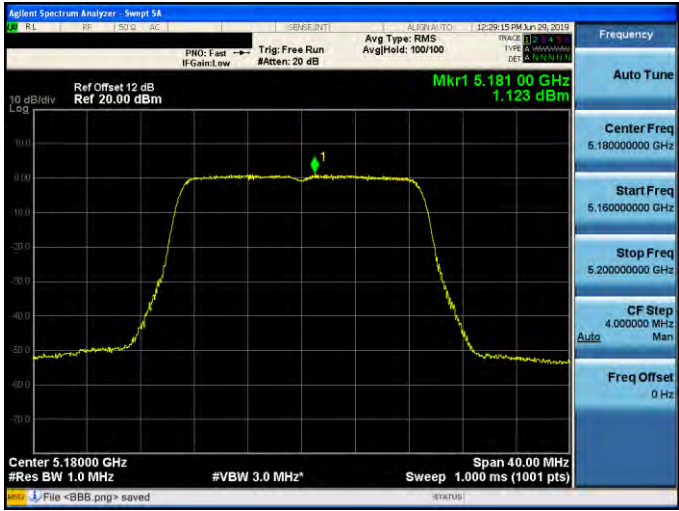
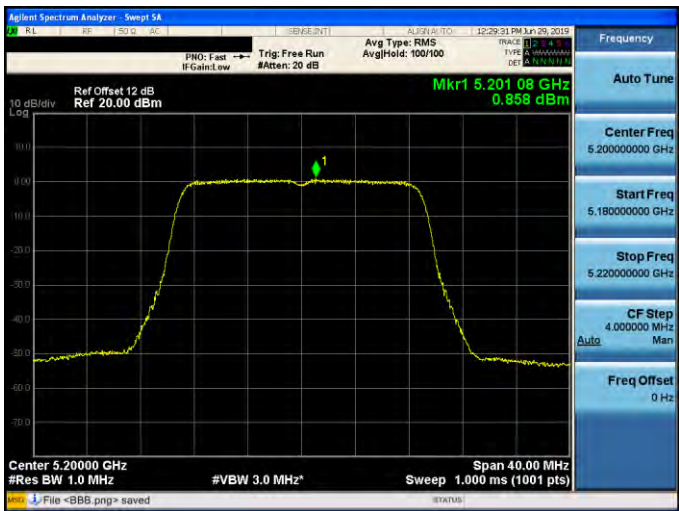
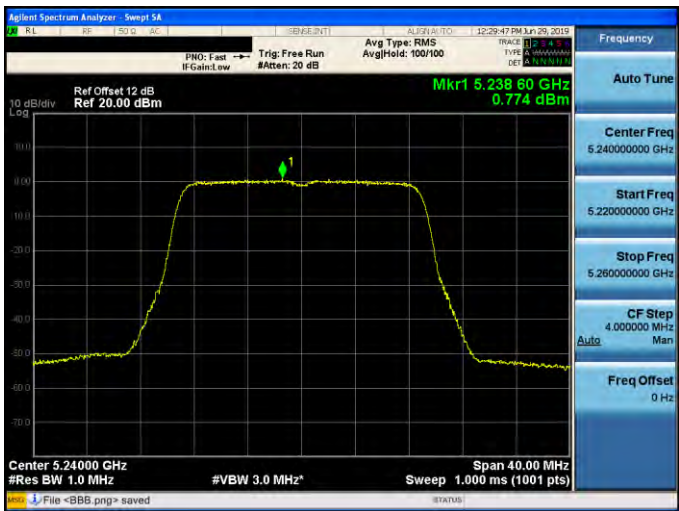
5785 MHz



5825 MHz



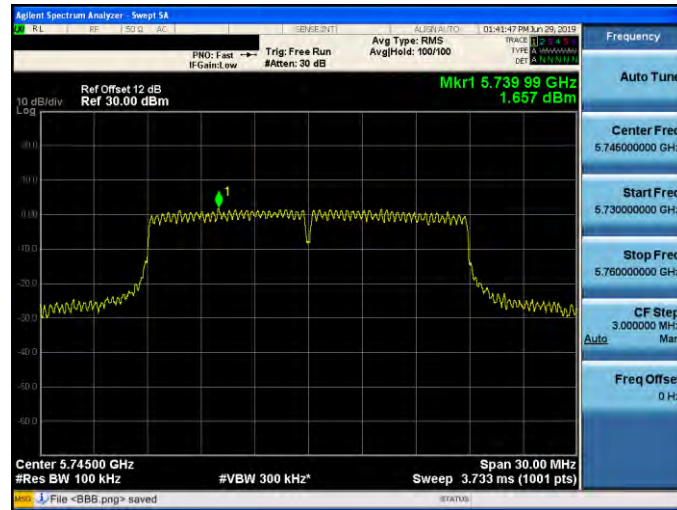


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

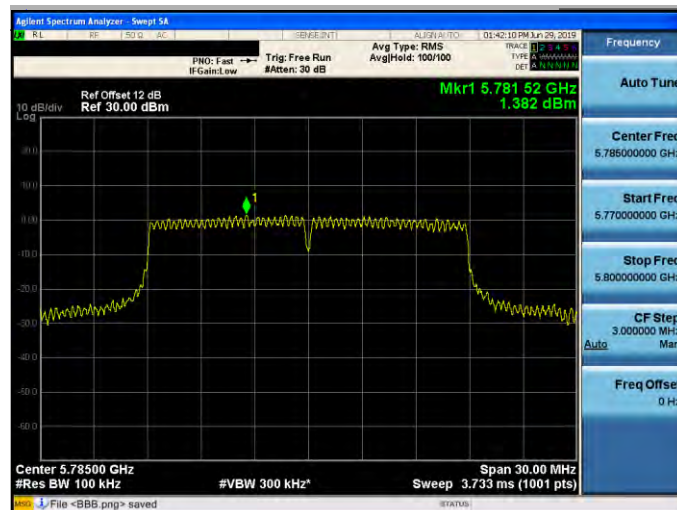


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-1

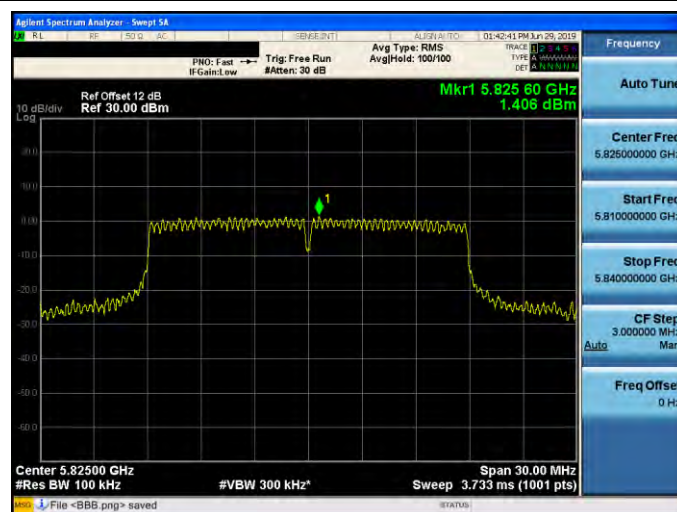
5745 MHz

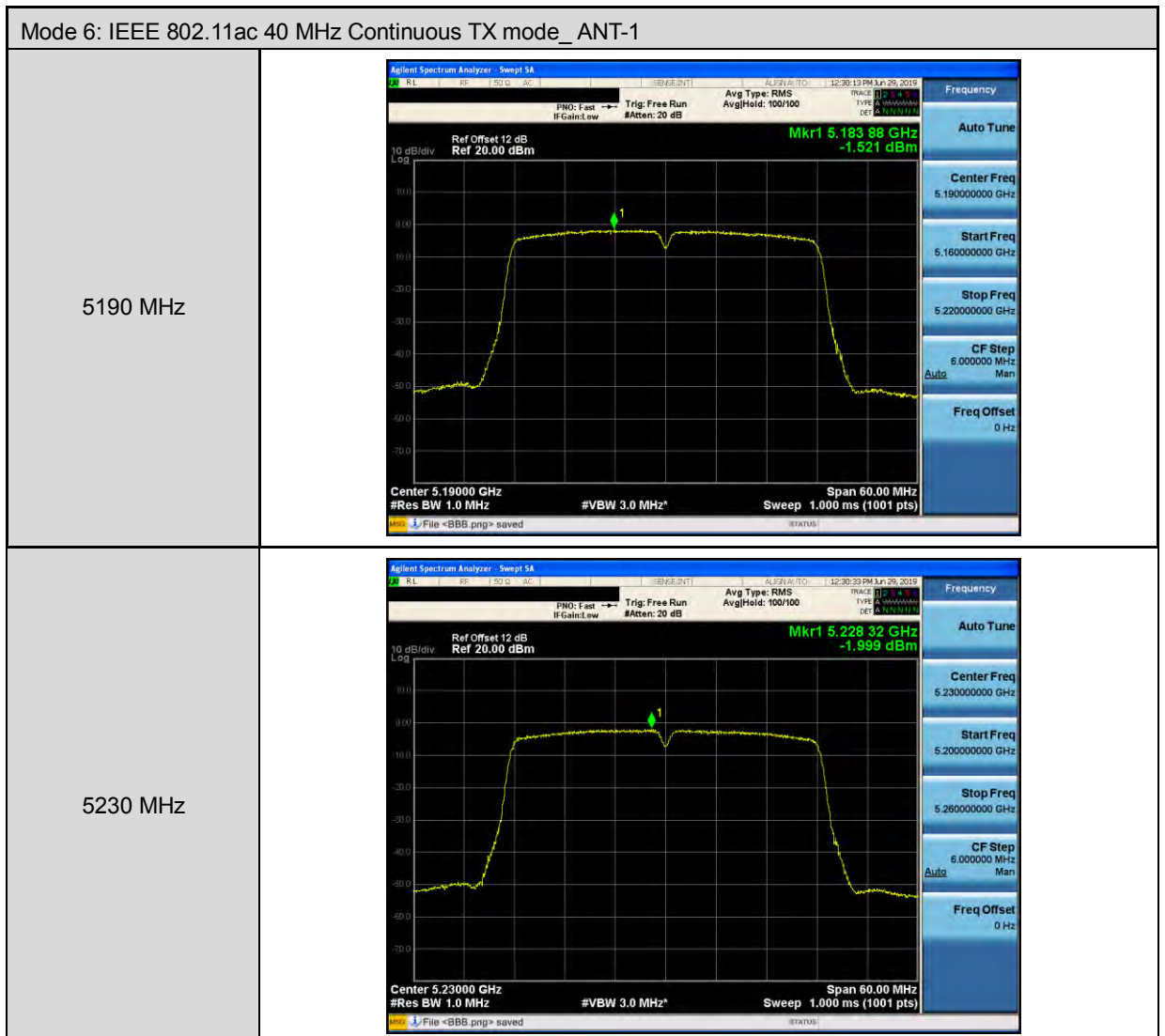


5785 MHz



5825 MHz

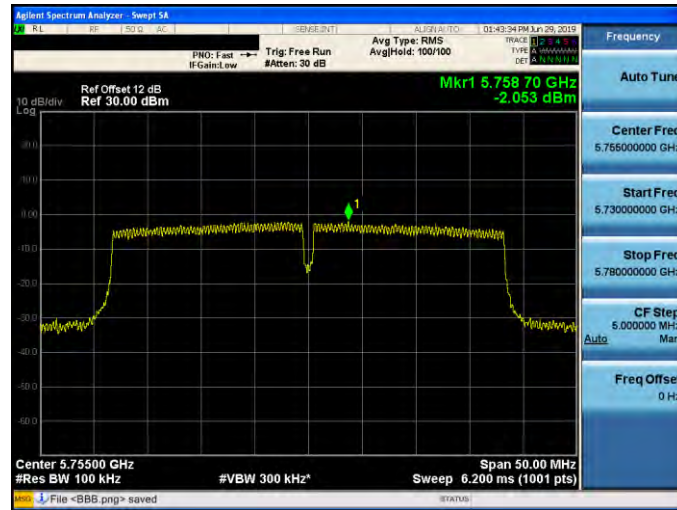






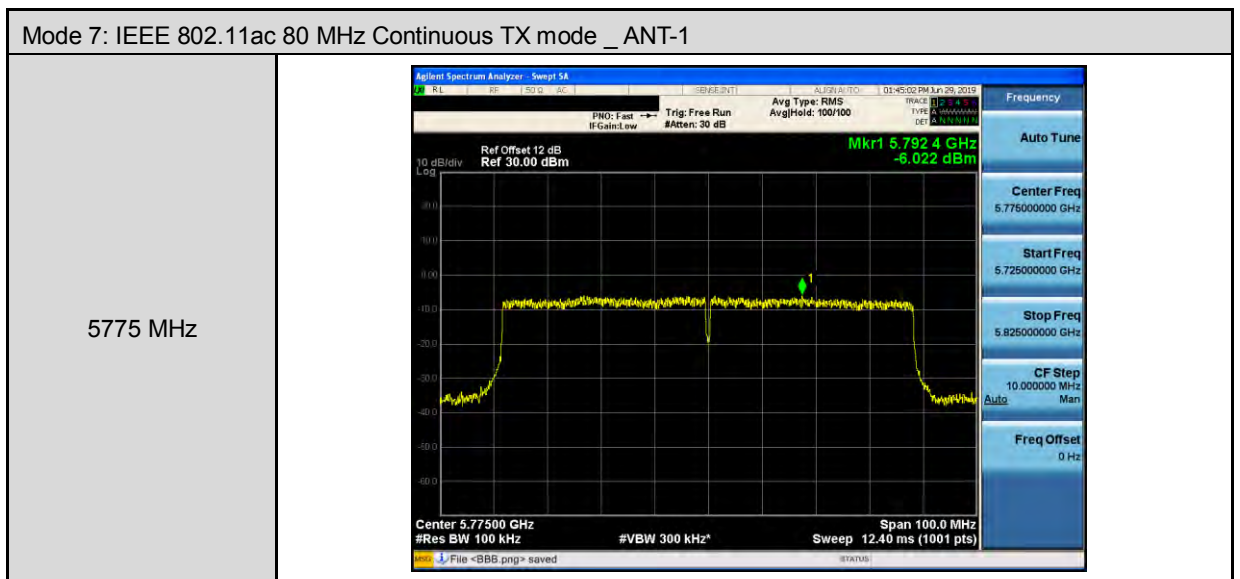
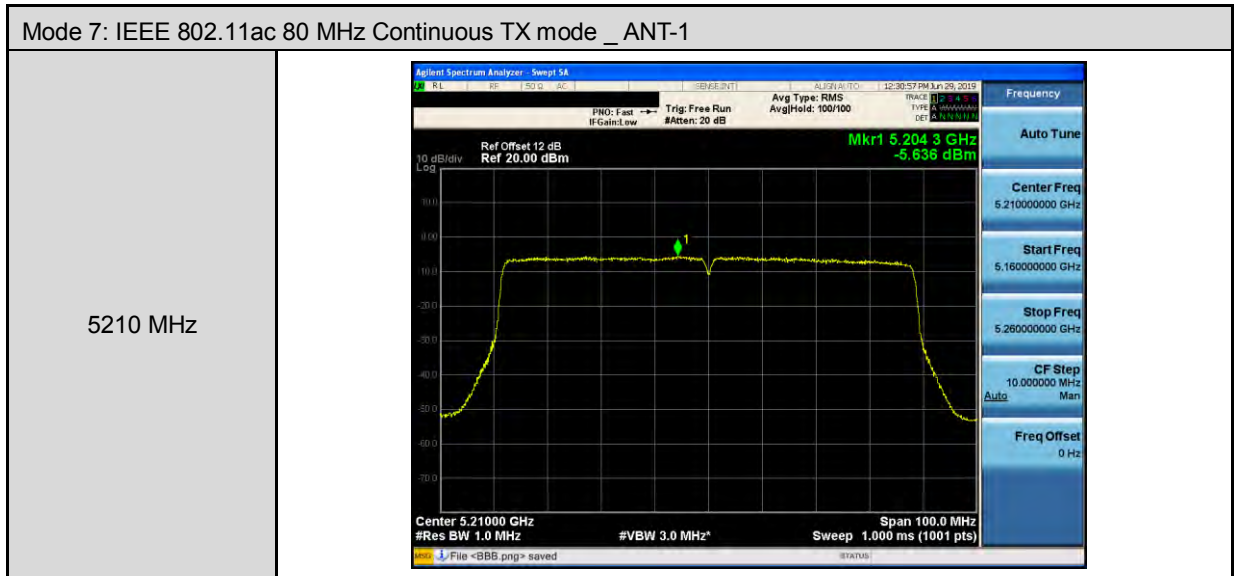
Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-1

5755 MHz



5795 MHz



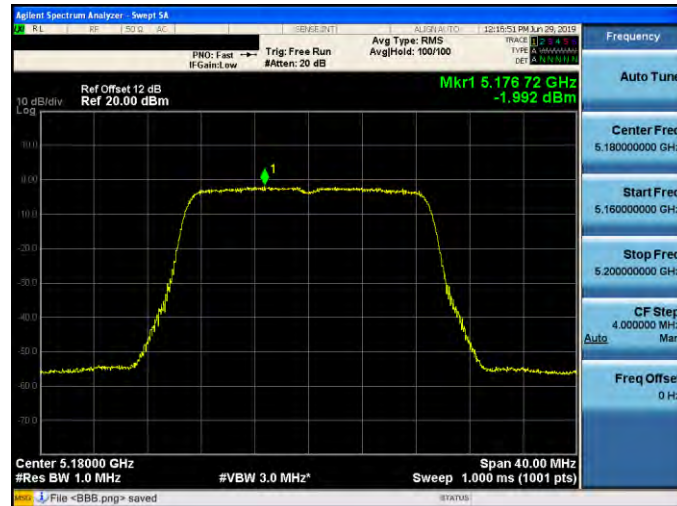




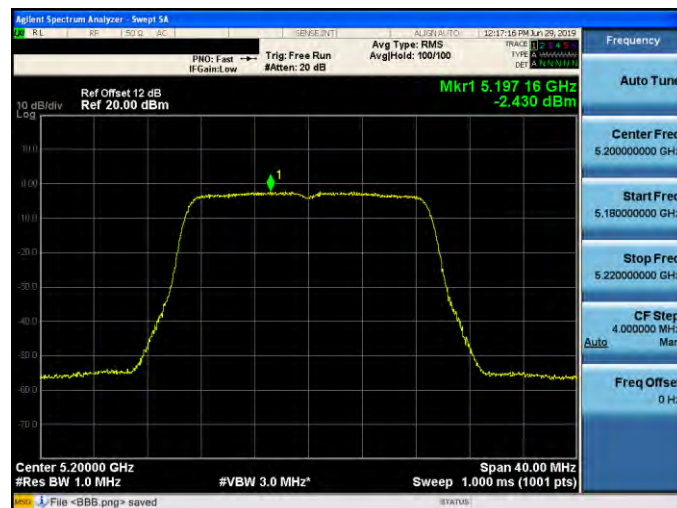
Beamforming on

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

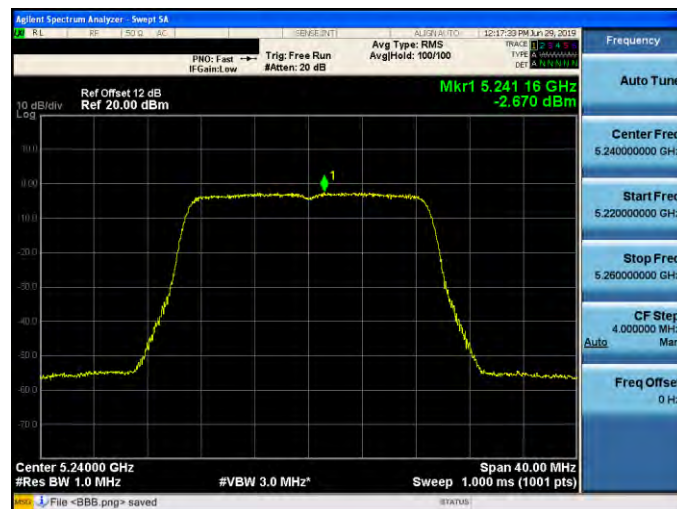
5180 MHz



5200 MHz



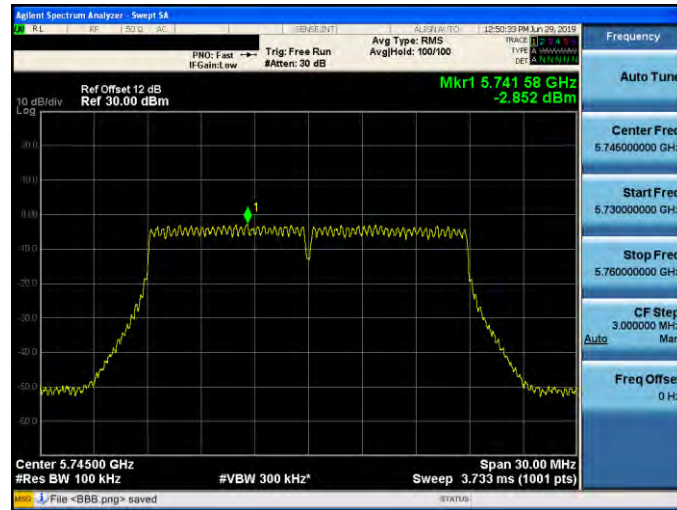
5240 MHz



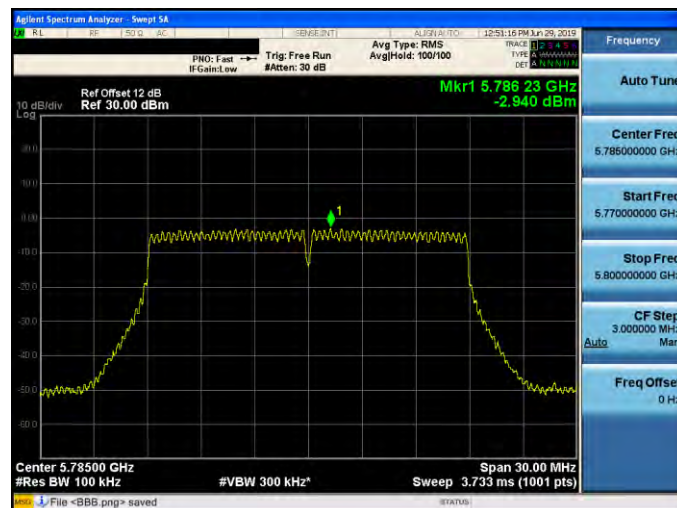


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-0

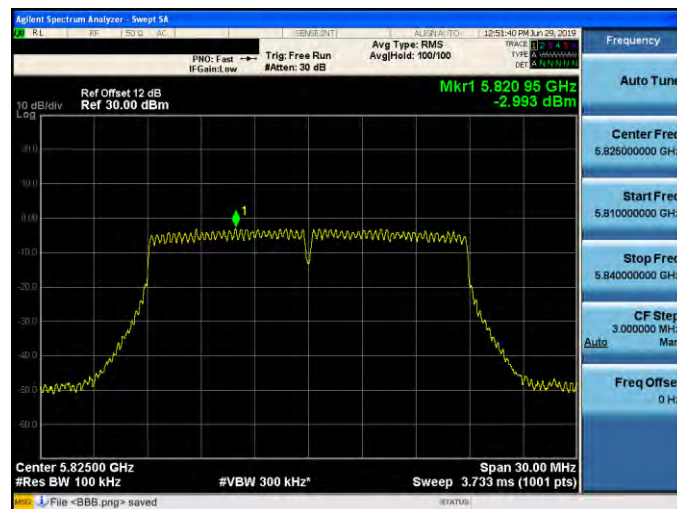
5745 MHz



5785 MHz



5825 MHz





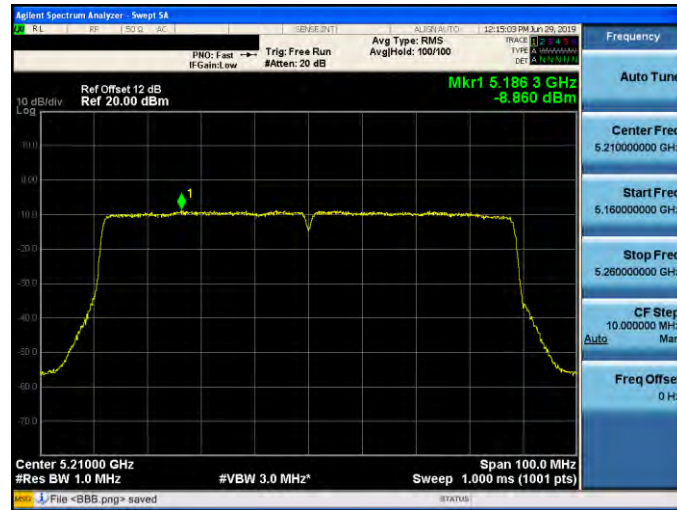


Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-0	
5755 MHz	
5795 MHz	



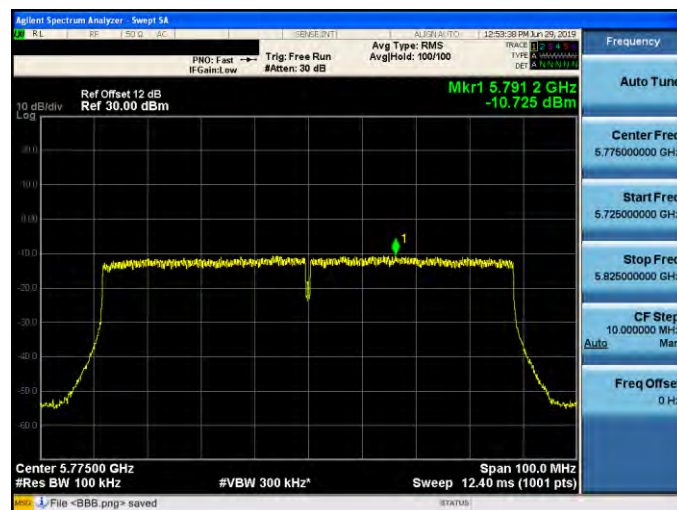
Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-0

5210 MHz

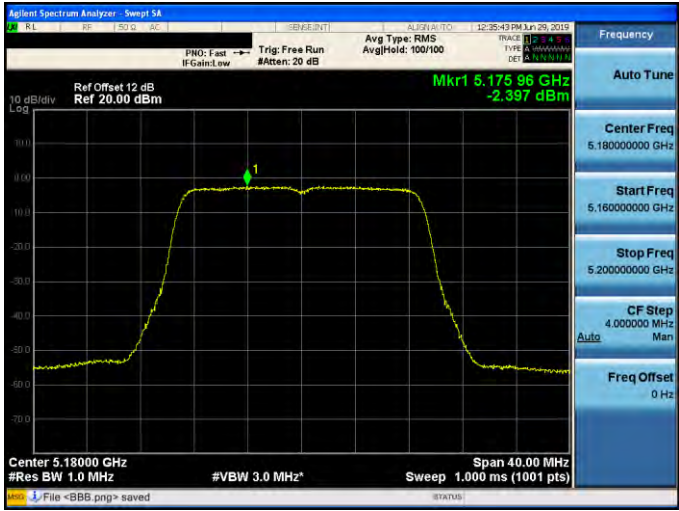
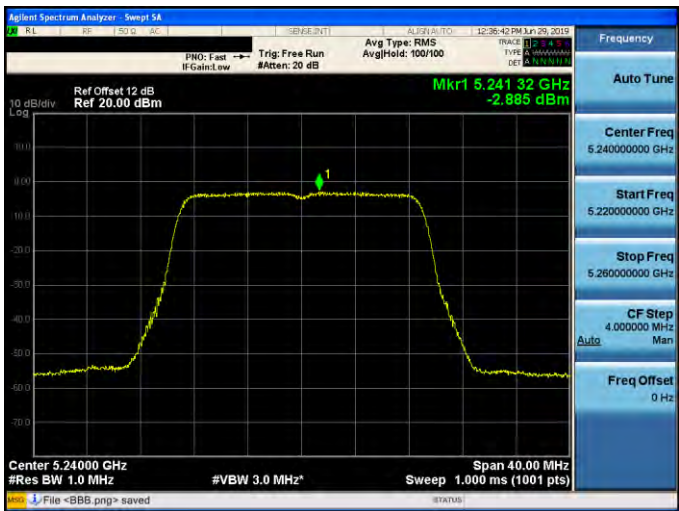


Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-0

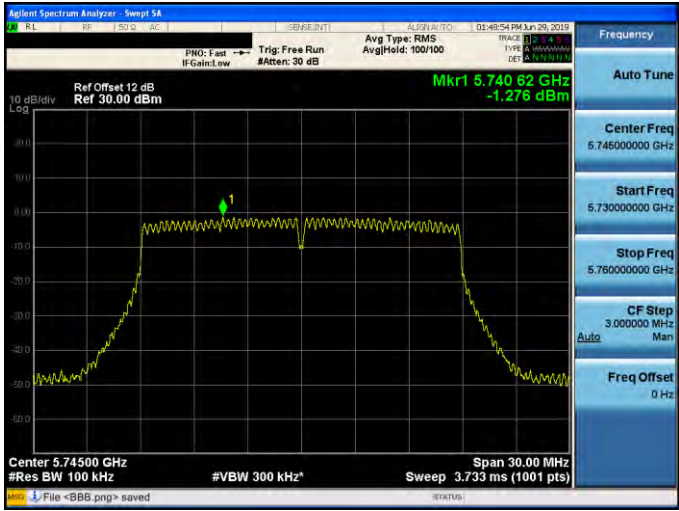
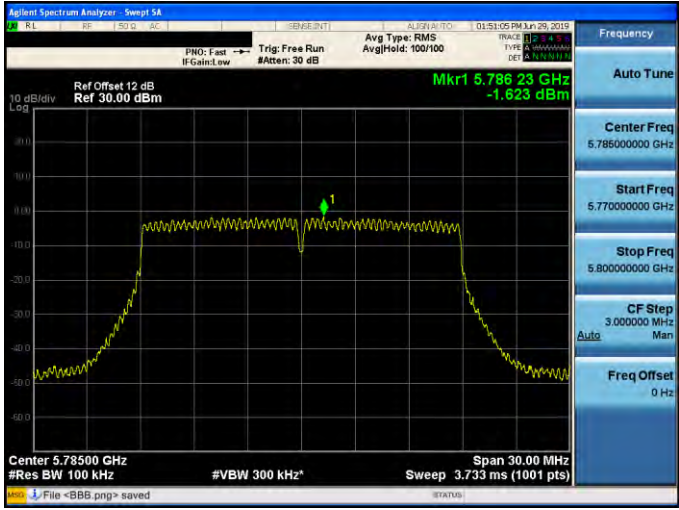
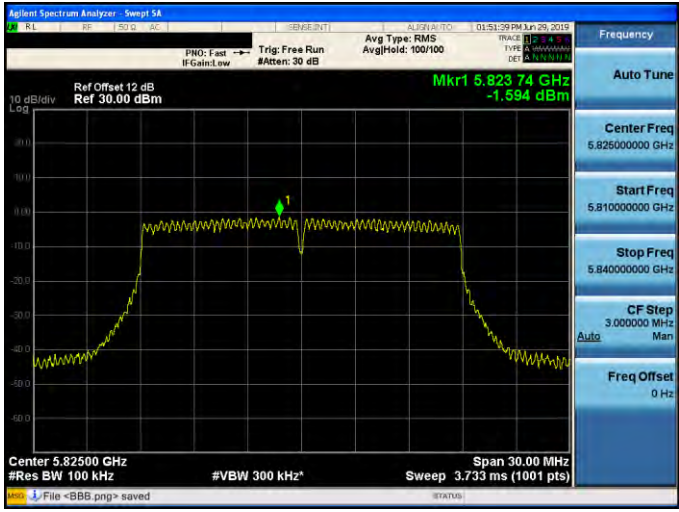
5775 MHz

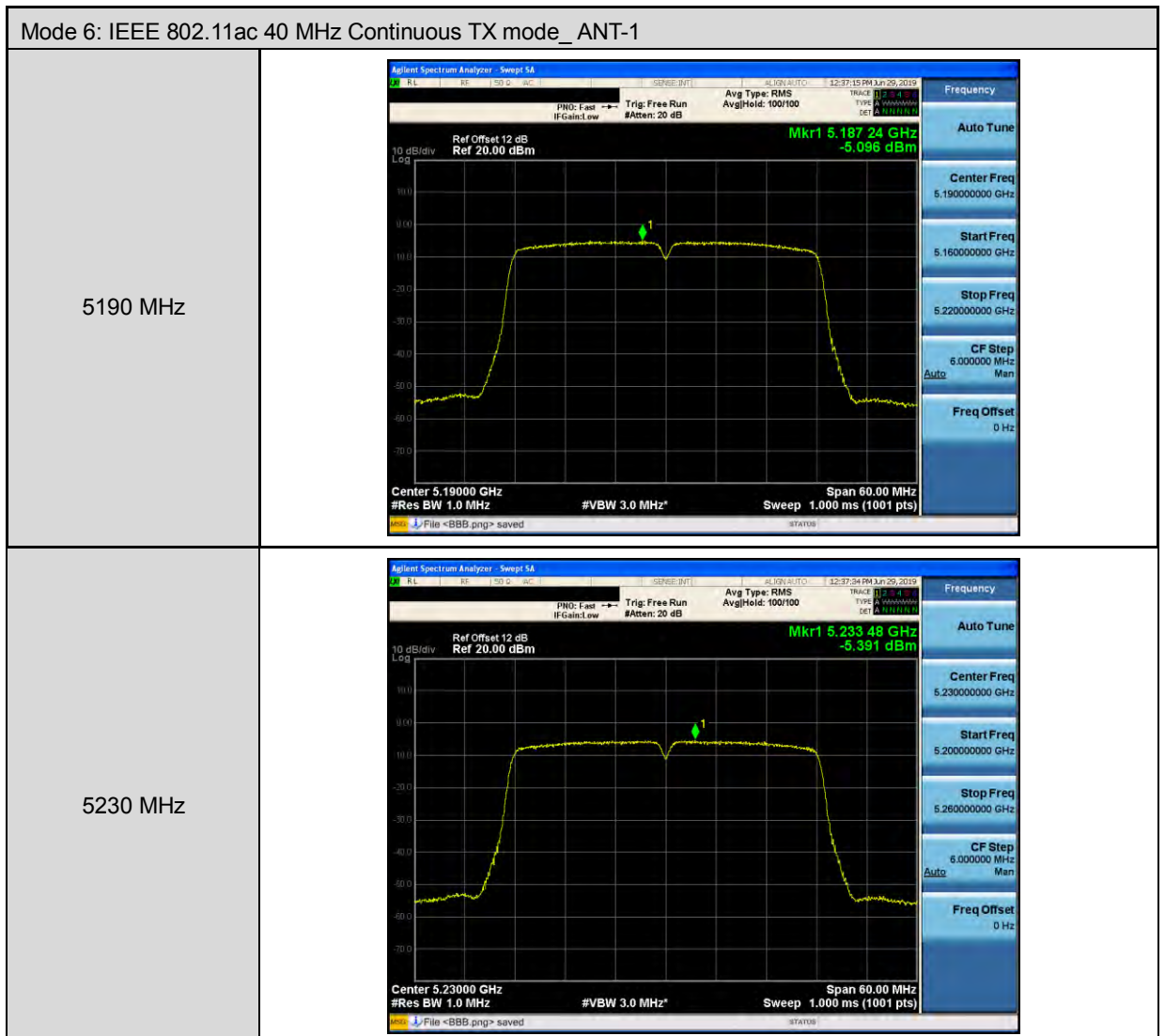


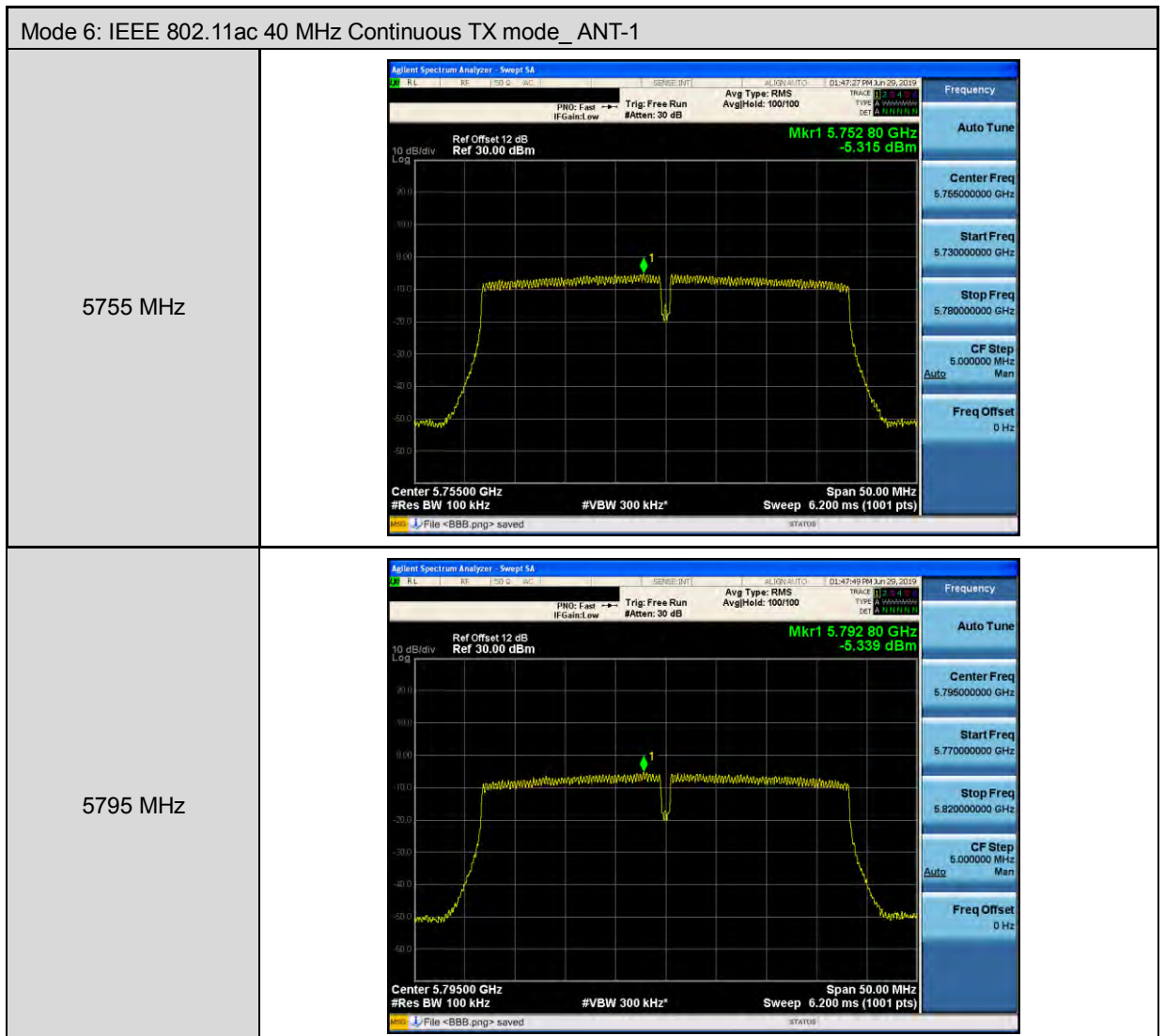


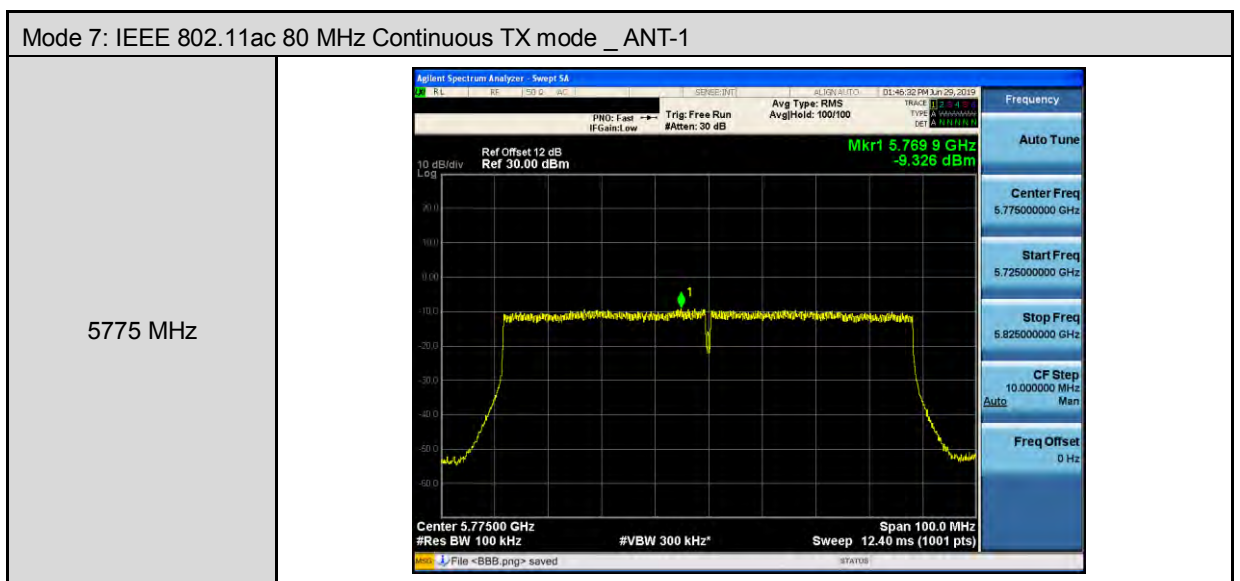
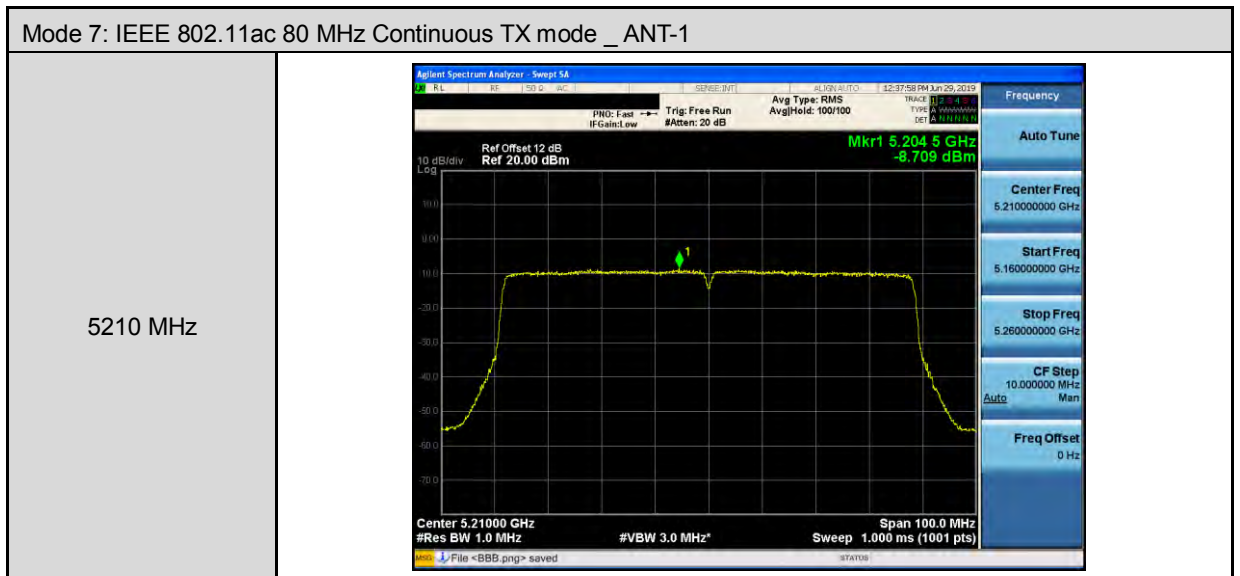
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	



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







--- END---