



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-2	Ant-3	Ant-0	Ant-1	Ant-2	Ant-3
5180	20.020	19.840	19.530	19.320	16.462	16.446	16.449	16.438
5200	19.940	19.560	19.430	19.360	16.475	16.466	16.455	16.449
5240	19.990	19.840	19.720	19.360	16.478	16.461	16.471	16.468

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-2	Ant-3	Ant-0	Ant-1	Ant-2	Ant-3
5180	20.690	20.520	20.370	20.100	17.669	17.636	17.644	17.636
5200	21.010	20.380	20.380	20.360	17.654	17.620	17.661	17.625
5240	20.830	20.380	20.290	20.490	17.648	17.636	17.666	17.642

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-2	Ant-3	Ant-0	Ant-1	Ant-2	Ant-3
5190	40.580	40.550	40.130	39.660	36.117	36.146	36.066	36.045
5230	40.510	40.230	39.610	40.040	36.140	36.113	36.108	36.088

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-2	Ant-3	Ant-0	Ant-1	Ant-2	Ant-3
5210	83.110	83.330	82.550	82.550	75.756	75.945	75.810	75.867

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-2	Ant-3	Ant-0	Ant-1	Ant-2	Ant-3
5180	20.440	20.750	20.370	20.770	17.640	17.612	17.626	17.624
5200	20.460	20.500	20.630	20.480	17.652	17.615	17.626	17.619
5240	20.520	20.670	20.340	20.540	17.649	17.623	17.664	17.632

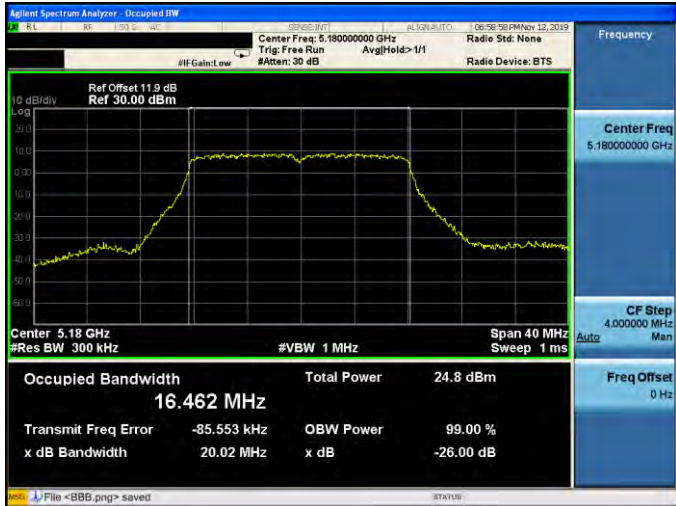
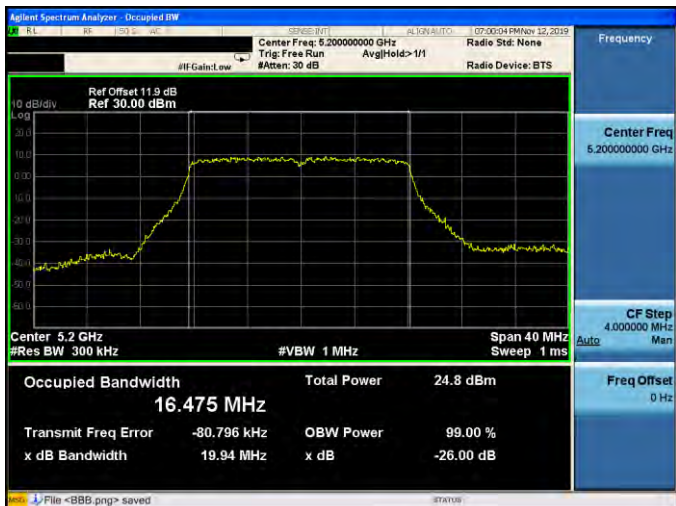
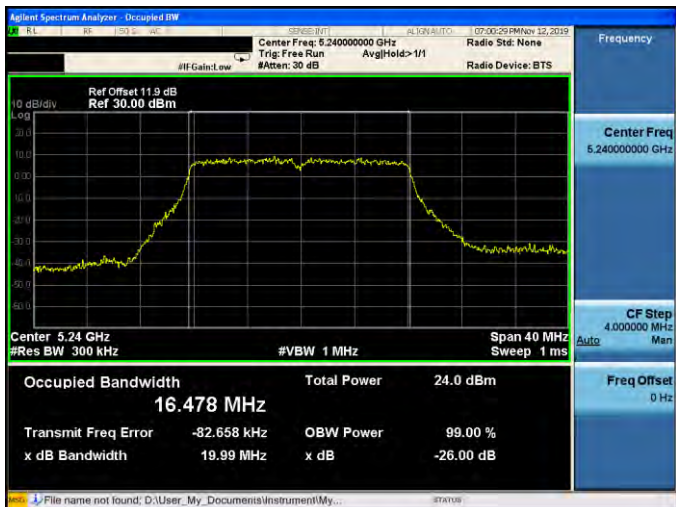
Test Mode	Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode							
Frequency (MHz)	26 dB Bandwidth (MHz)				99 % Occupied Bandwidth (MHz)			
	Ant-0	Ant-1	Ant-2	Ant-3	Ant-0	Ant-1	Ant-2	Ant-3
5190	40.430	40.210	39.990	40.210	36.004	36.034	36.033	36.020
5230	40.390	40.510	40.090	40.140	35.999	36.141	36.063	36.079

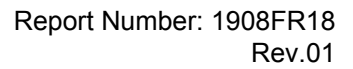
Test Mode	Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode							
Frequency (MHz)	26 dB Bandwidth (MHz)				99 % Occupied Bandwidth (MHz)			
	Ant-0	Ant-1	Ant-2	Ant-3	Ant-0	Ant-1	Ant-2	Ant-3
5210	83.190	82.790	83.220	82.110	75.742	75.802	75.847	75.742

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

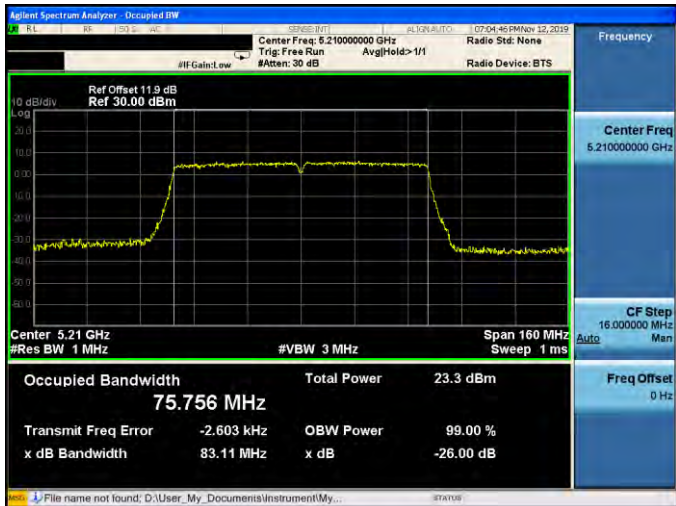


■ Test Graphs

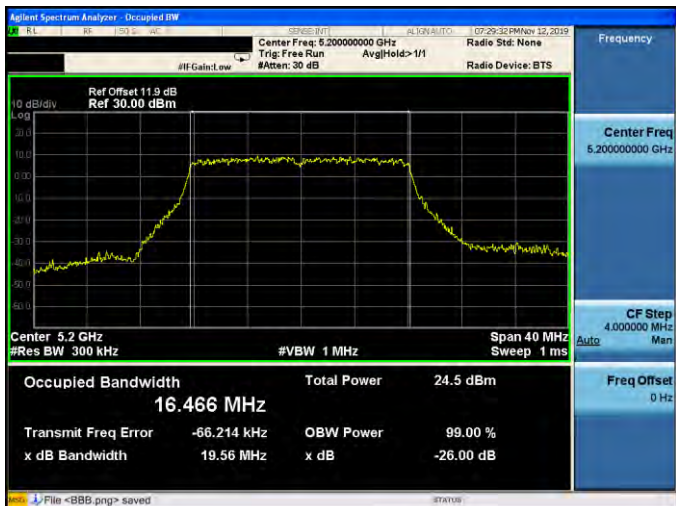
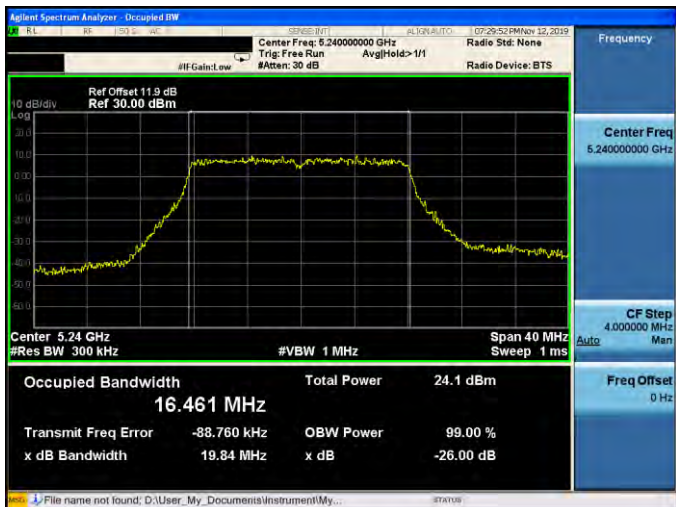
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0	
5180 MHz	
5200 MHz	
5240 MHz	

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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	

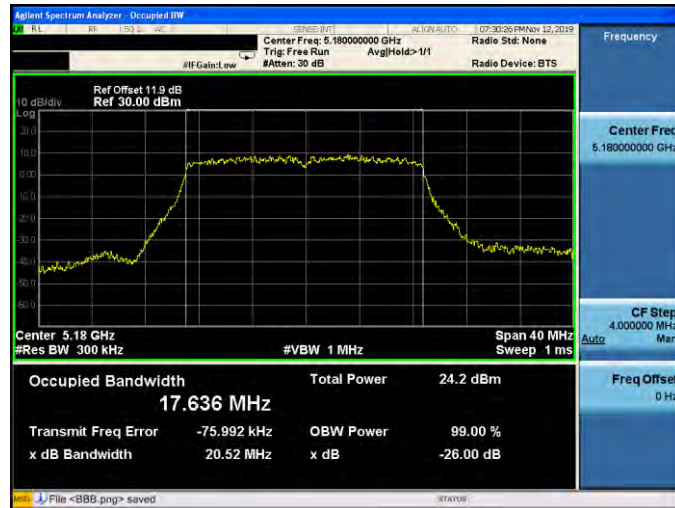


Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

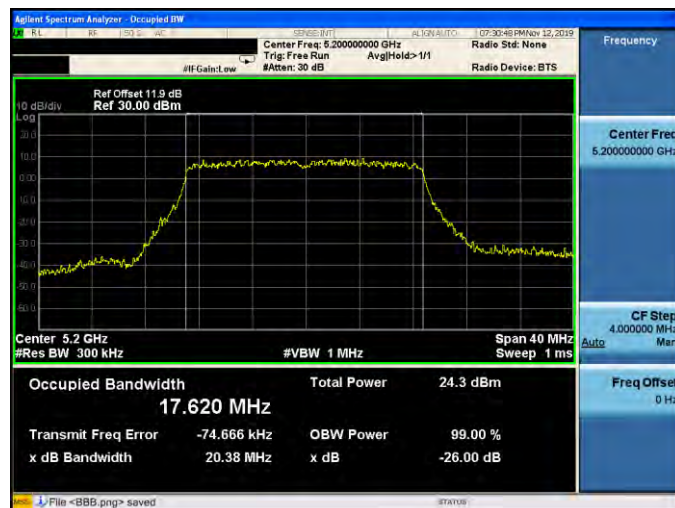


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ ANT-1

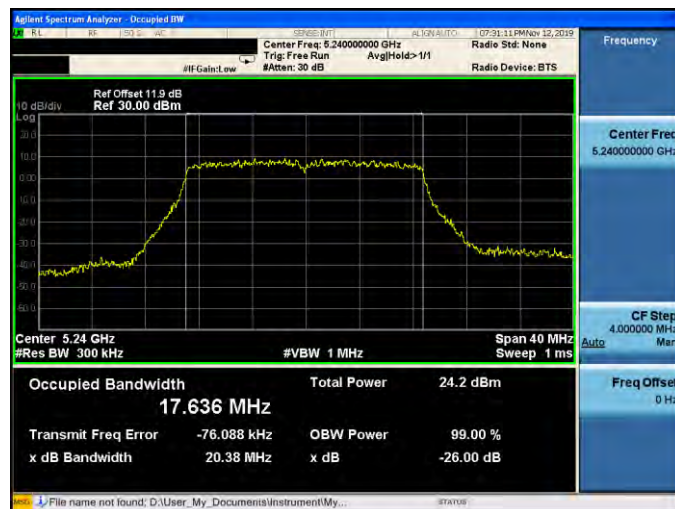
5180 MHz



5200 MHz



5240 MHz





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

5190 MHz

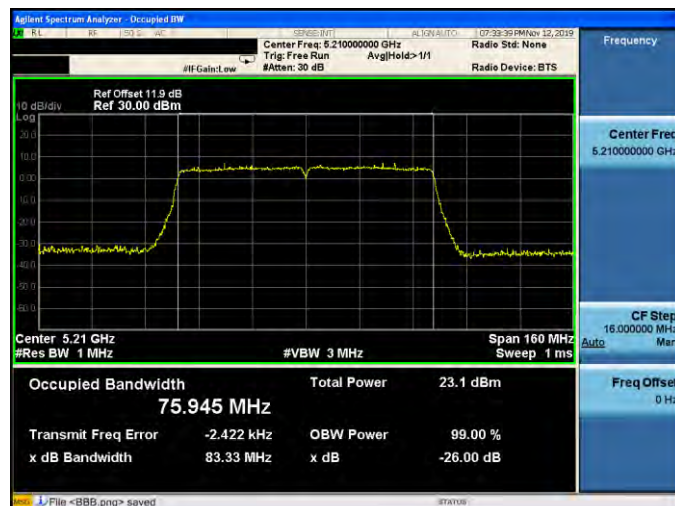


5230 MHz

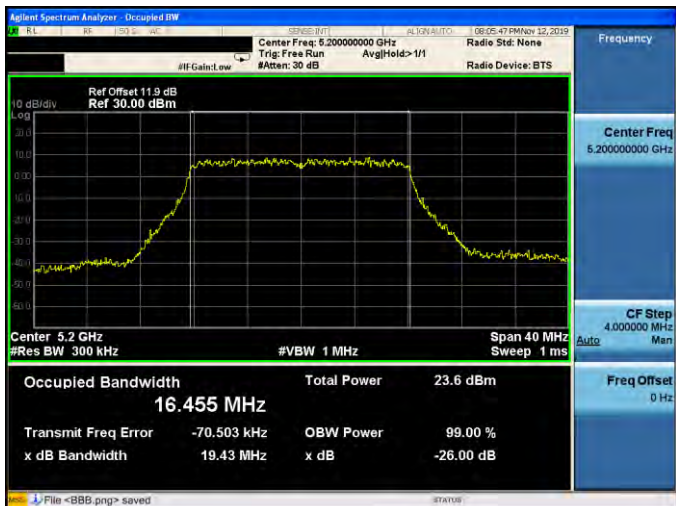
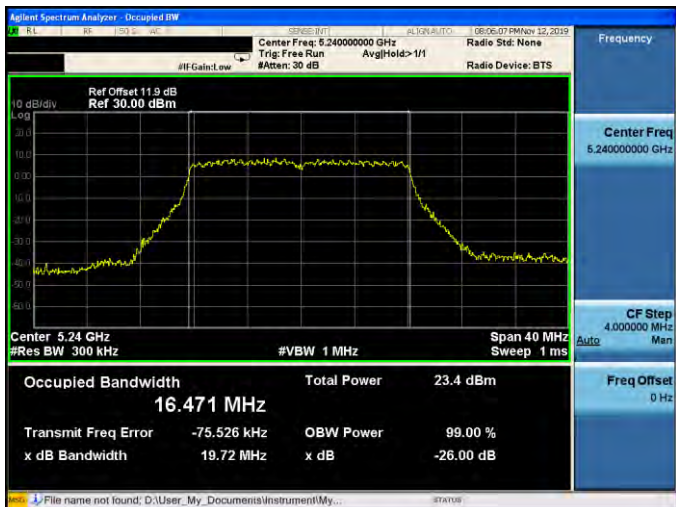


Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode_ ANT-1

5210 MHz



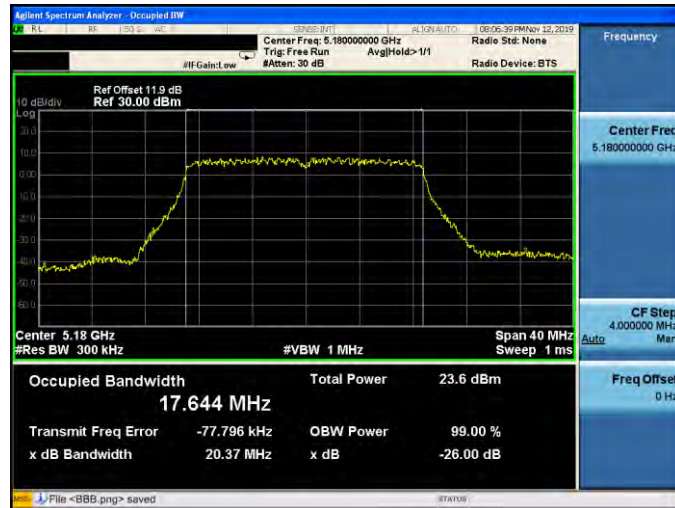


Mode 2: IEEE 802.11a Continuous TX mode_ ANT-2	
5180 MHz	
5200 MHz	
5240 MHz	

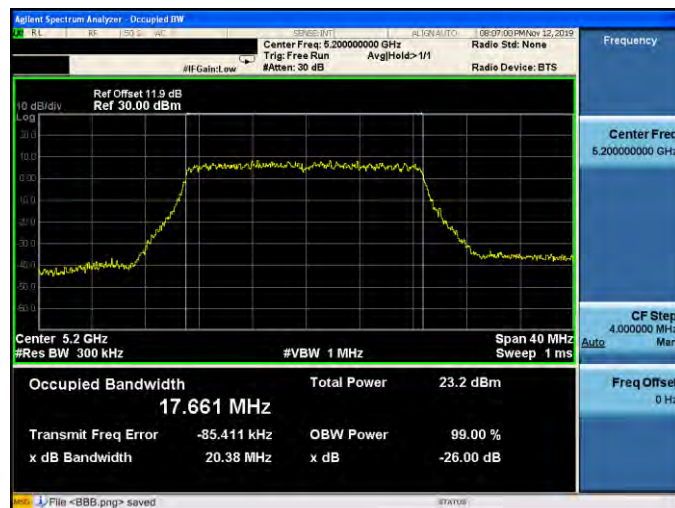


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ ANT-2

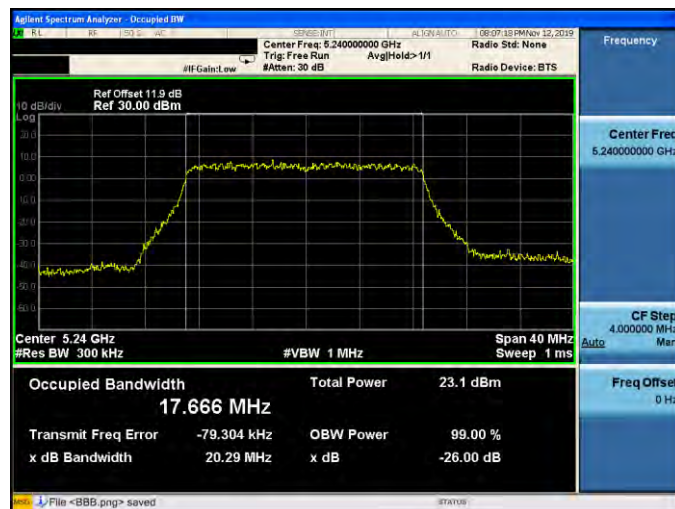
5180 MHz



5200 MHz



5240 MHz





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

5190 MHz

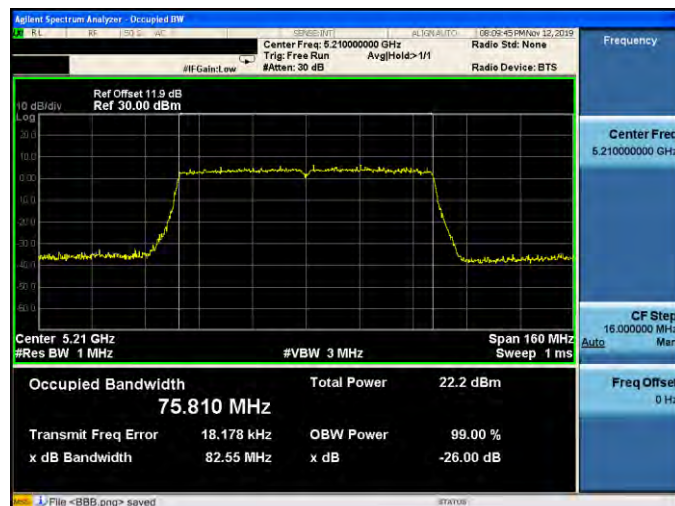


5230 MHz

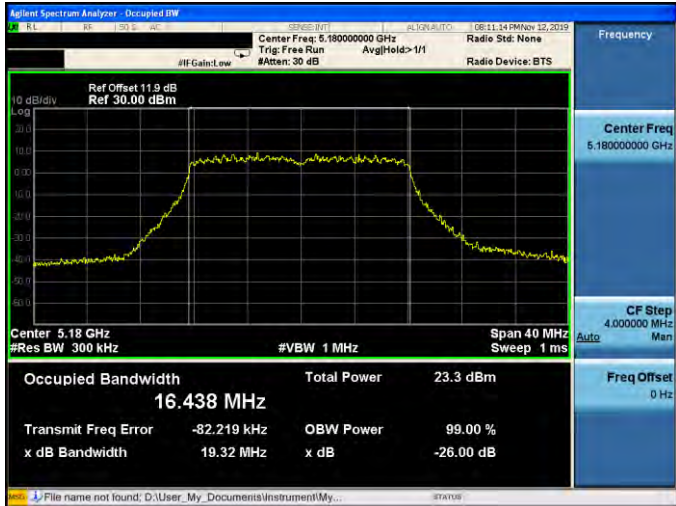
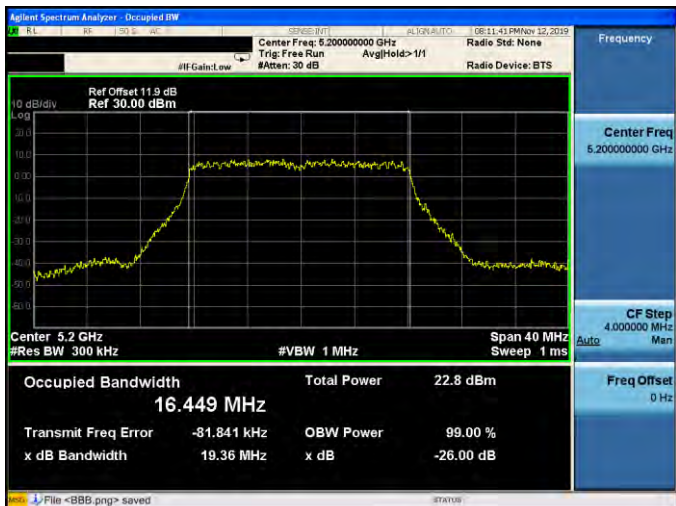
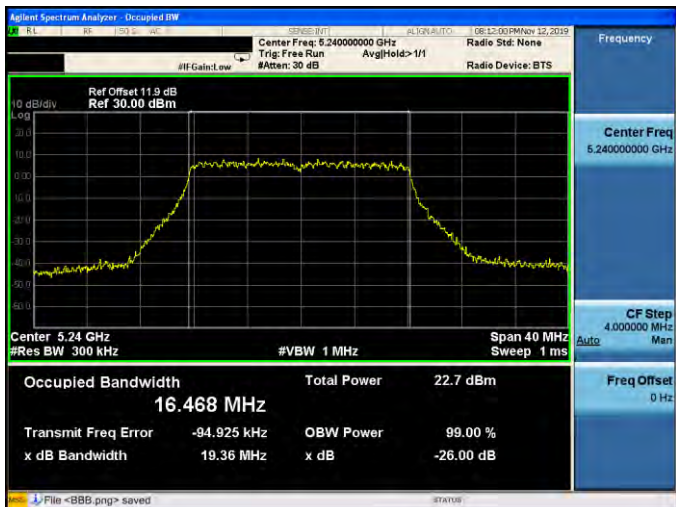


Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode_ ANT-2

5210 MHz



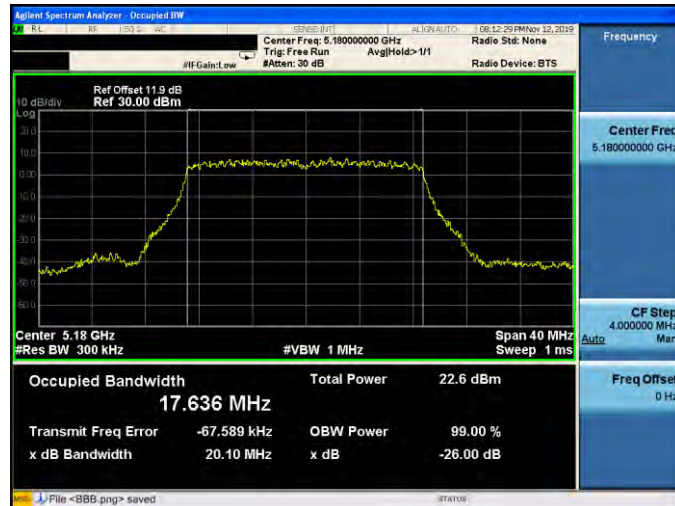


Mode 2: IEEE 802.11a Continuous TX mode_ ANT-3	
5180 MHz	
5200 MHz	
5240 MHz	

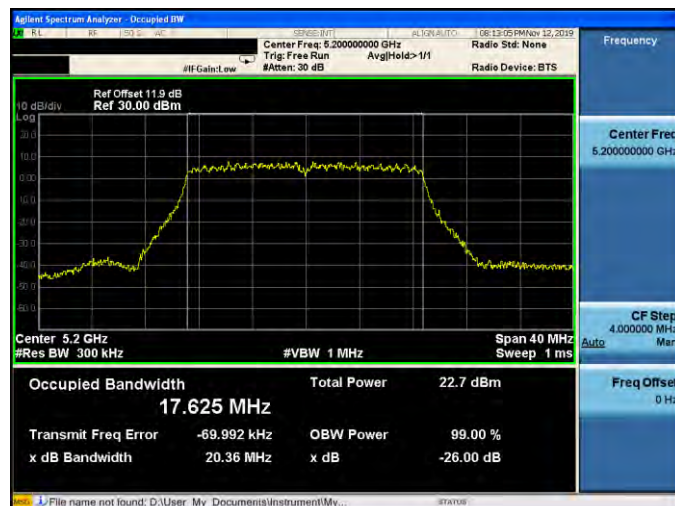


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ ANT-3

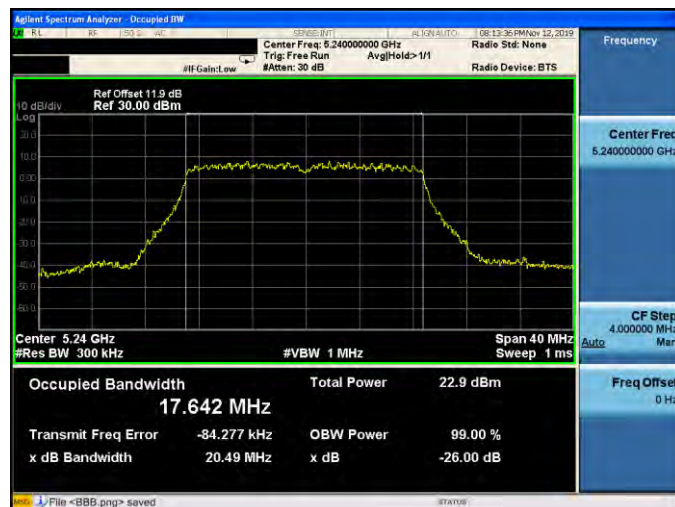
5180 MHz



5200 MHz



5240 MHz



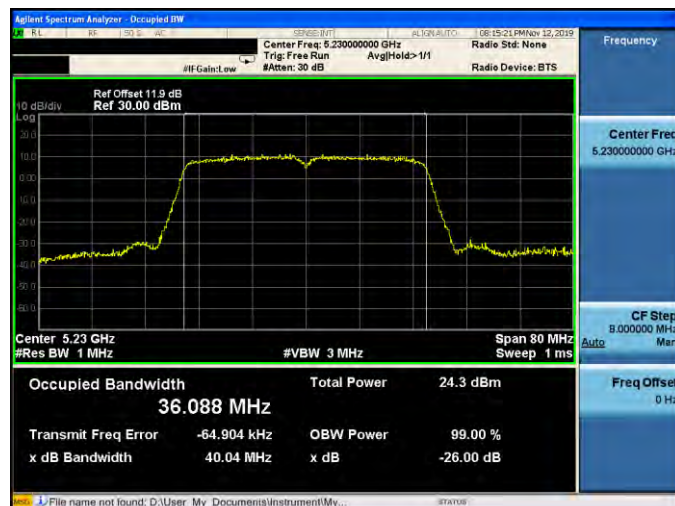


Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-3

5190 MHz



5230 MHz



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

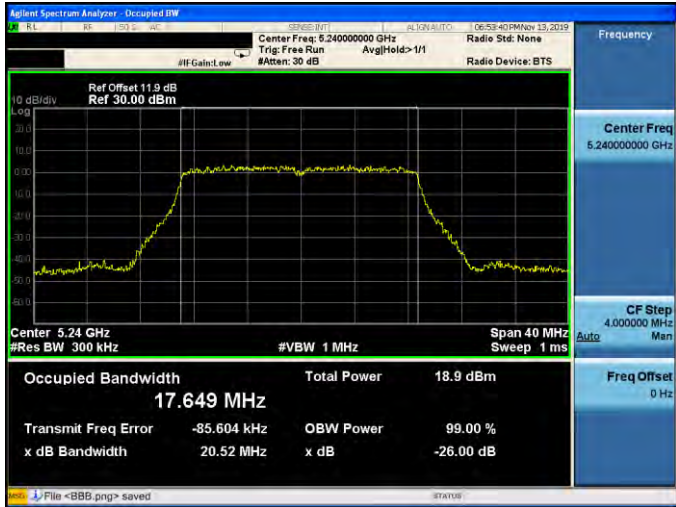
5210 MHz





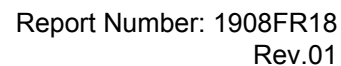
Beamforming on

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

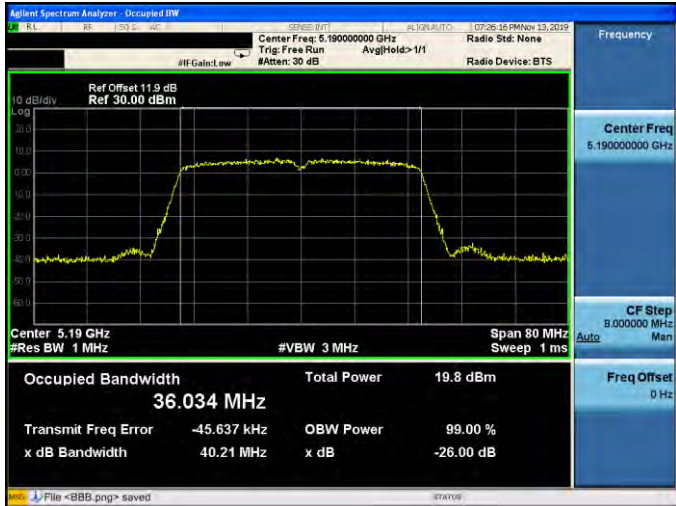
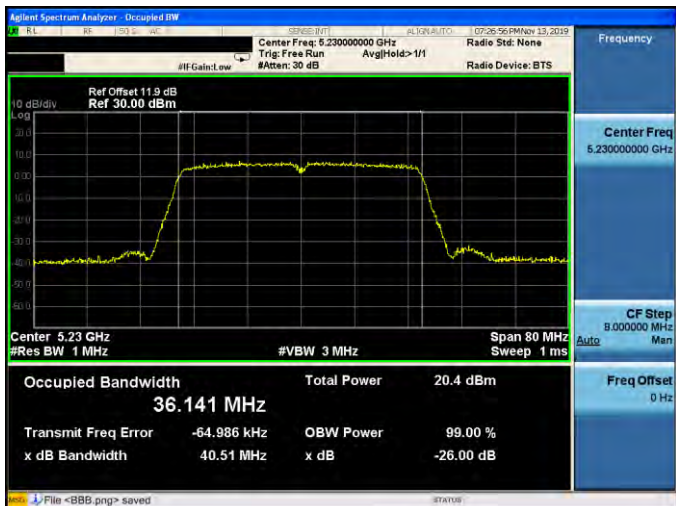
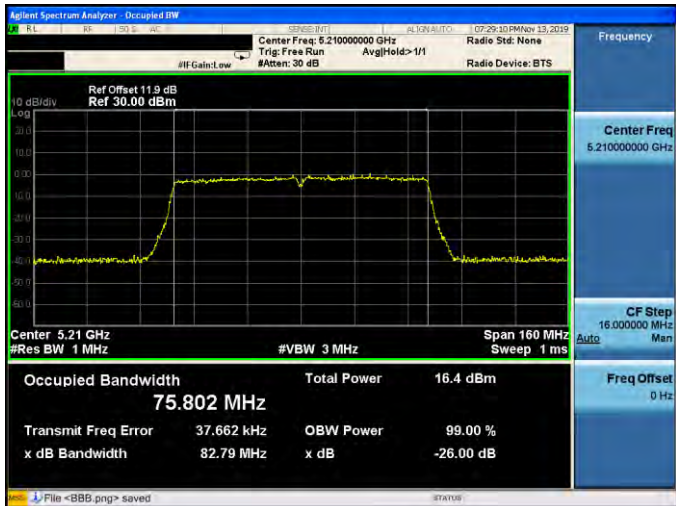
5180 MHz	
5200 MHz	
5240 MHz	

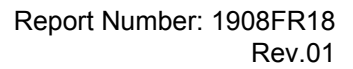


Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-0	
5190 MHz	Ref Offset 11.9 dB Ref 30.00 dBm Center 5.19 GHz #Res BW 1 MHz #VBW 3 MHz Span 60 MHz Sweep 1 ms Occupied Bandwidth 36.004 MHz Total Power 20.1 dBm Transmit Freq Error -47.153 kHz OBW Power 99.00 % x dB Bandwidth 40.43 MHz x dB -26.00 dB File <BBB.png> saved
5230 MHz	Ref Offset 11.9 dB Ref 30.00 dBm Center 5.23 GHz #Res BW 1 MHz #VBW 3 MHz Span 60 MHz Sweep 1 ms Occupied Bandwidth 35.999 MHz Total Power 20.0 dBm Transmit Freq Error -67.637 kHz OBW Power 99.00 % x dB Bandwidth 40.39 MHz x dB -26.00 dB File <BBB.png> saved
Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode_ ANT-0	
5210 MHz	Ref Offset 11.9 dB Ref 30.00 dBm Center 5.21 GHz #Res BW 1 MHz #VBW 3 MHz Span 160 MHz Sweep 1 ms Occupied Bandwidth 75.742 MHz Total Power 16.7 dBm Transmit Freq Error 33.207 kHz OBW Power 99.00 % x dB Bandwidth 83.19 MHz x dB -26.00 dB File <BBB.png> saved

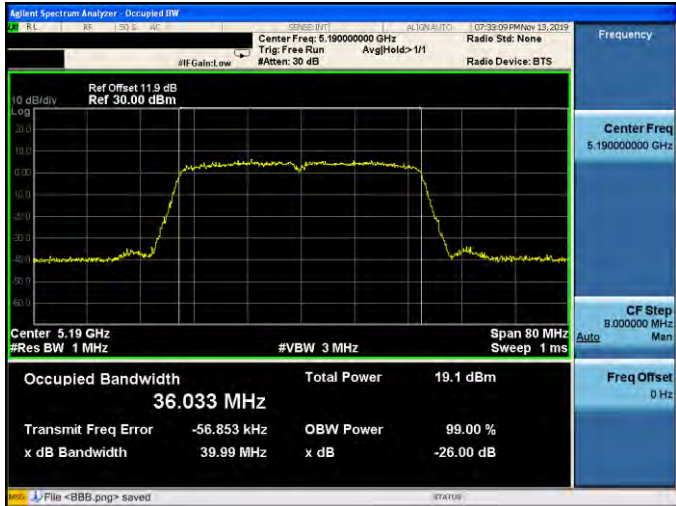
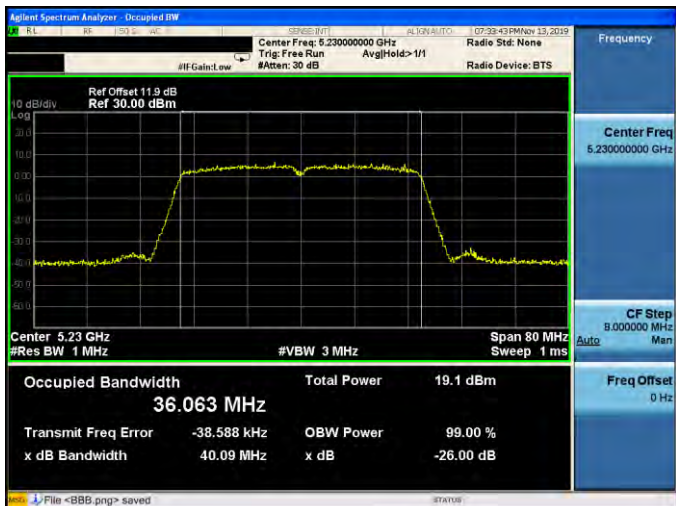
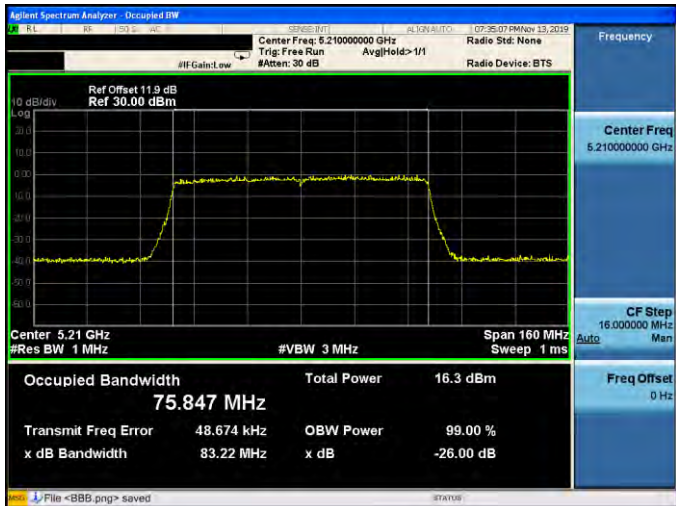
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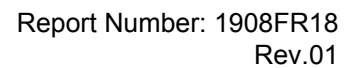


Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-1	
5190 MHz	
5230 MHz	
Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode_ ANT-1	
5210 MHz	

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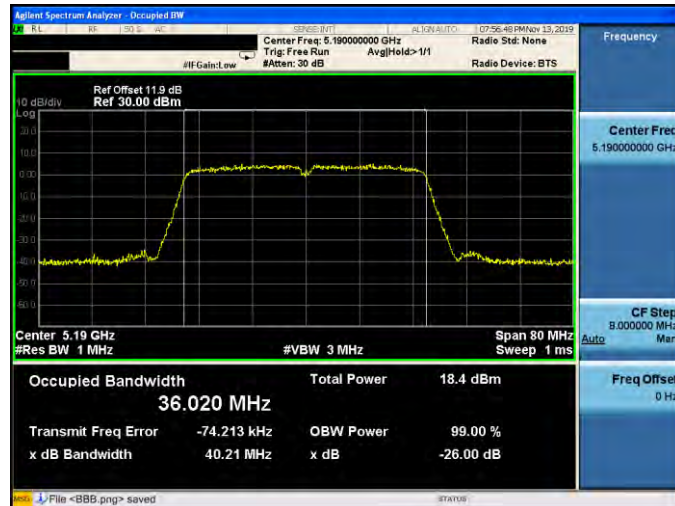
Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-2	
5190 MHz	
5230 MHz	
Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode_ ANT-2	
5210 MHz	

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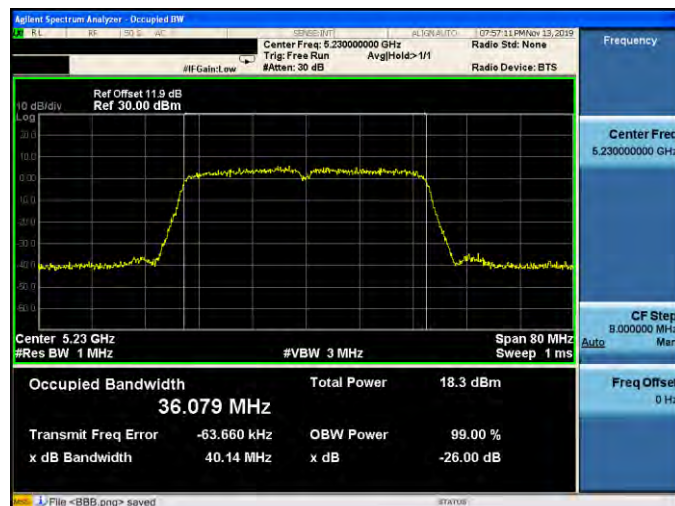


Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-3

5190 MHz



5230 MHz



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

5210 MHz





6 dB RF Bandwidth Measurement

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode				
Frequency (MHz)	ANT-0	ANT-1	ANT-2	ANT-3	Limit (kHz)
5745	16360	16370	16360	16390	≥ 500
5785	16350	16370	16350	16370	≥ 500
5825	16340	16360	16370	16380	≥ 500

Test Mode	Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode				
Frequency (MHz)	ANT-0	ANT-1	ANT-2	ANT-3	Limit (kHz)
5745	17220	17580	17570	17580	≥ 500
5785	17280	17570	17550	17540	≥ 500
5825	17580	17580	17580	17590	≥ 500

Test Mode	Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode				
Frequency (MHz)	ANT-0	ANT-1	ANT-2	ANT-3	Limit (kHz)
5755	35140	35180	35160	35220	≥ 500
5795	35200	35230	35200	34480	≥ 500

Test Mode	Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode				
Frequency (MHz)	ANT-0	ANT-1	ANT-2	ANT-3	Limit (kHz)
5775	75870	75960	75840	75890	≥ 500



Beamforming on

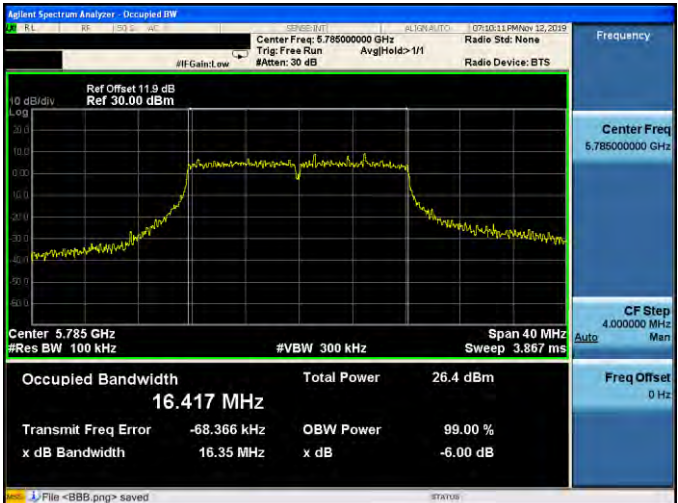
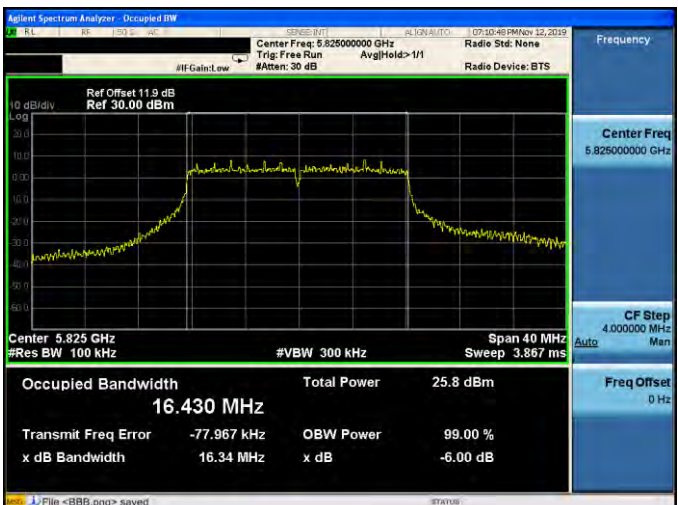
Test Mode	Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode				
Frequency (MHz)	ANT-0	ANT-1	ANT-2	ANT-3	Limit (kHz)
5745	17220	17580	17580	17310	≥ 500
5785	17530	17570	17560	17550	≥ 500
5825	17560	17560	17600	17590	≥ 500

Test Mode	Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode				
Frequency (MHz)	ANT-0	ANT-1	ANT-2	ANT-3	Limit (kHz)
5755	35100	35190	35200	34520	≥ 500
5795	35200	34500	35190	35280	≥ 500

Test Mode	Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode				
Frequency (MHz)	ANT-0	ANT-1	ANT-2	ANT-3	Limit (kHz)
5775	76350	75850	76360	75870	≥ 500

Test Graphs

Mode 2: IEEE 802.11a Continuous TX mode_ANT-0

5745 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.745000000 GHz Trig: Free Run Ave/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.9 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 16.384 MHz Total Power 27.6 dBm Transmit Freq Error -86.006 kHz OBW Power 99.00 % x dB Bandwidth 16.36 MHz x dB -6.00 dB File <BBB.png> saved
5785 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.785000000 GHz Trig: Free Run Ave/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.9 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 16.417 MHz Total Power 26.4 dBm Transmit Freq Error -68.366 kHz OBW Power 99.00 % x dB Bandwidth 16.35 MHz x dB -6.00 dB File <BBB.png> saved
5825 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.825000000 GHz Trig: Free Run Ave/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.9 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 16.430 MHz Total Power 25.8 dBm Transmit Freq Error -77.967 kHz OBW Power 99.00 % x dB Bandwidth 16.34 MHz x dB -6.00 dB File <BBB.png> saved

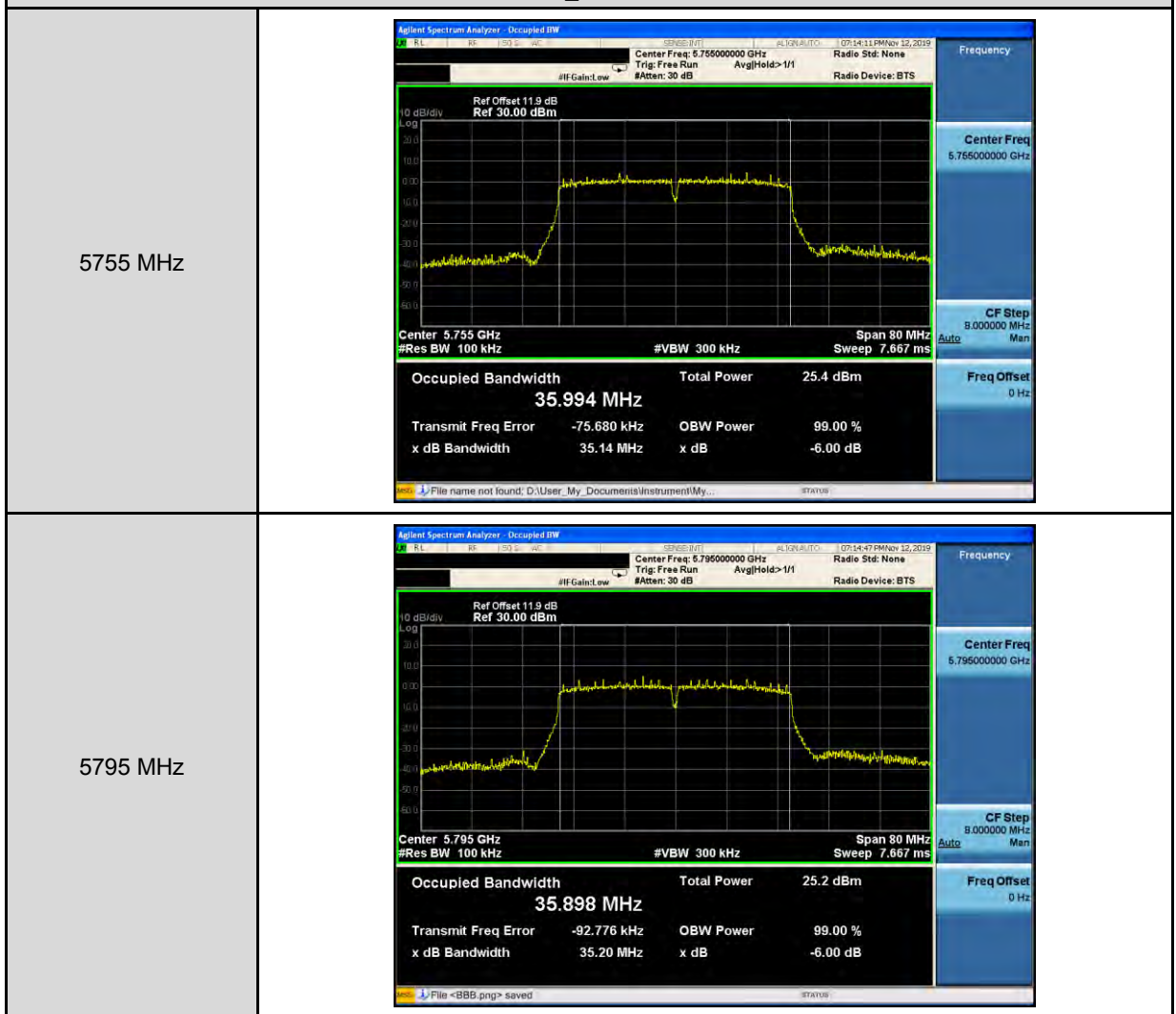


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-0

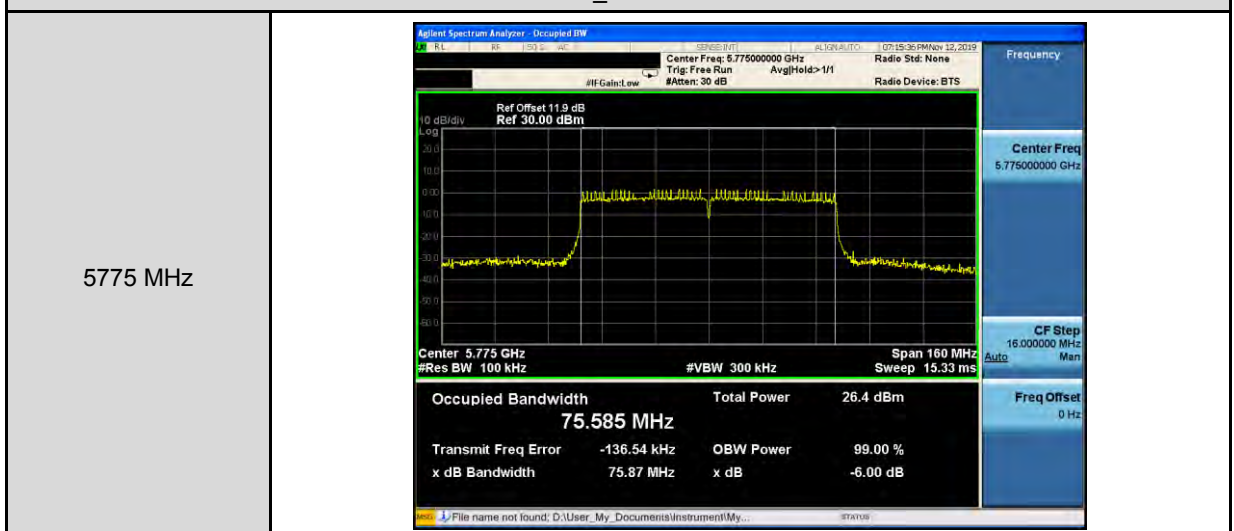
5745 MHz	
5785 MHz	
5825 MHz	



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



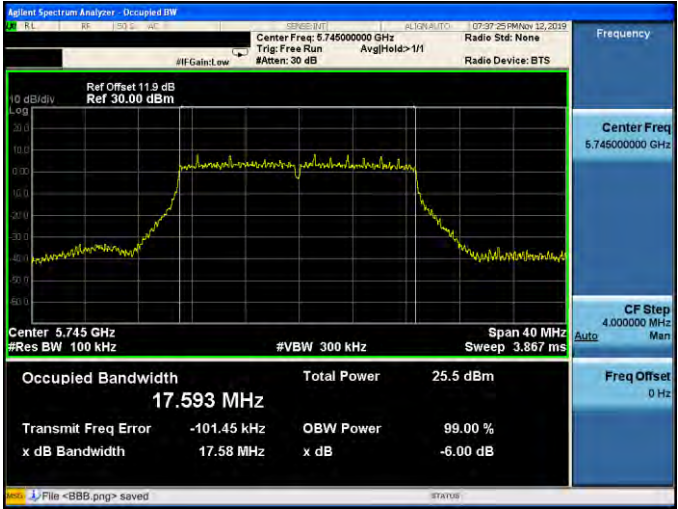
Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-0





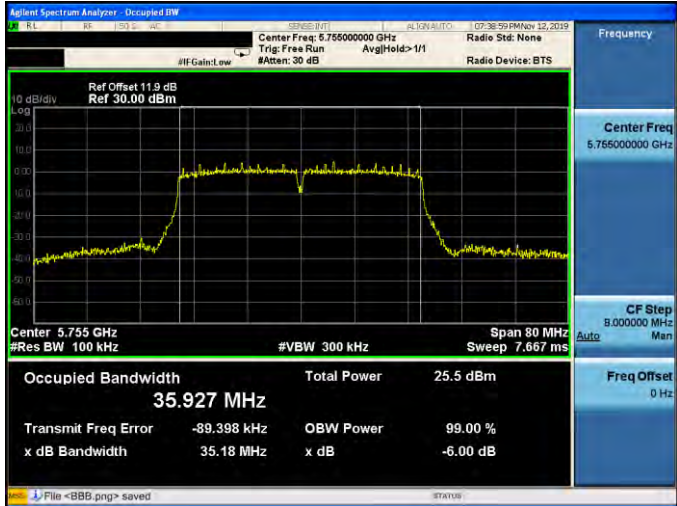
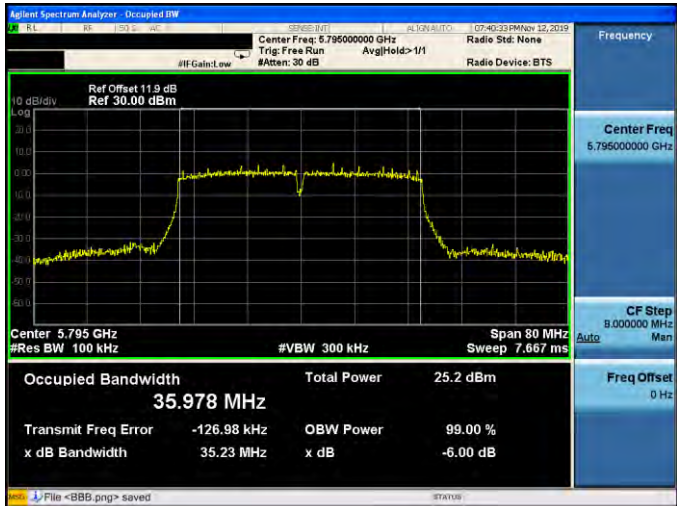
Mode 2: IEEE 802.11a Continuous TX mode_ANT-1	
5745 MHz	
5785 MHz	
5825 MHz	



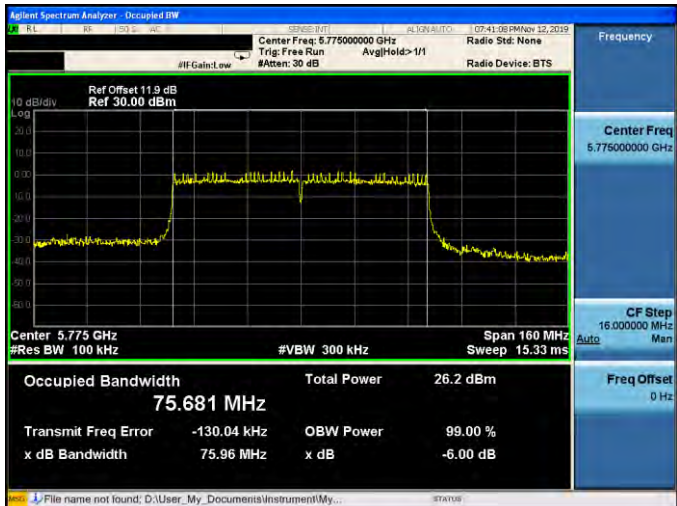
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5745 MHz	
5785 MHz	
5825 MHz	



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

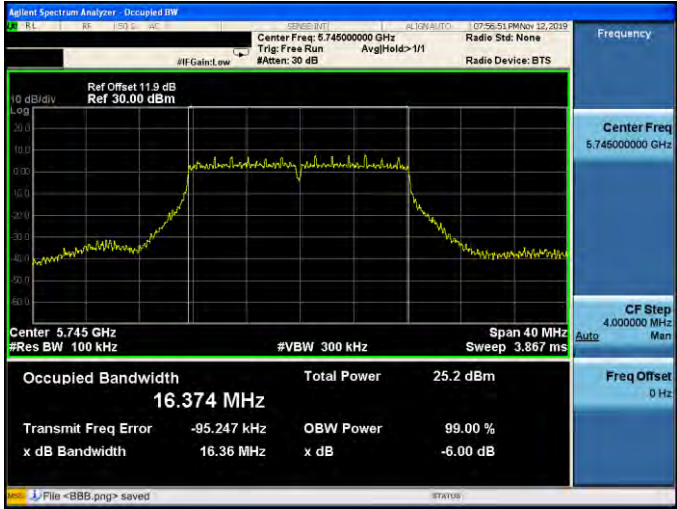
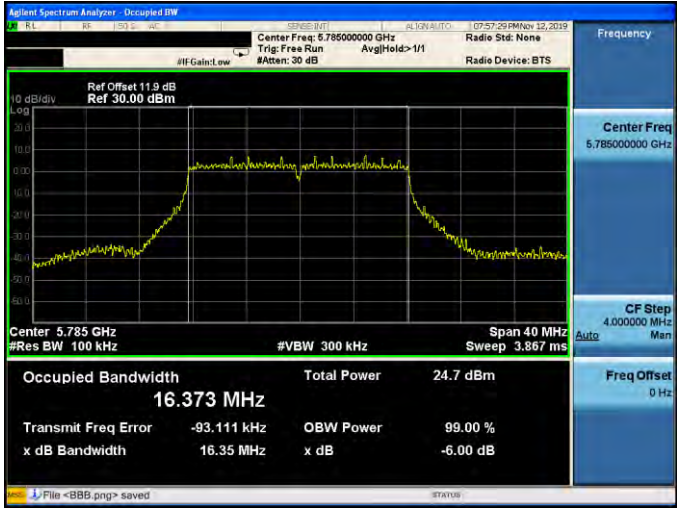
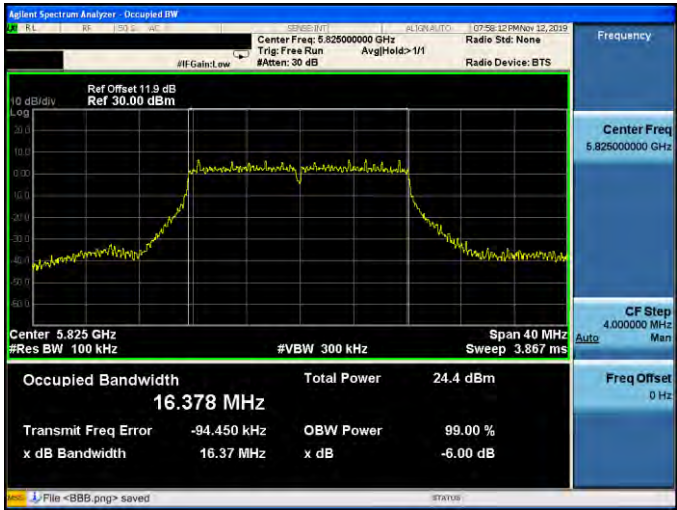
5755 MHz	
5795 MHz	

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

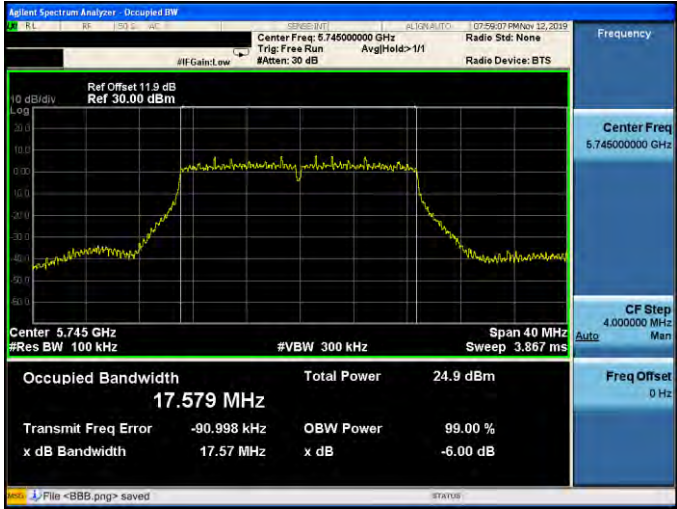
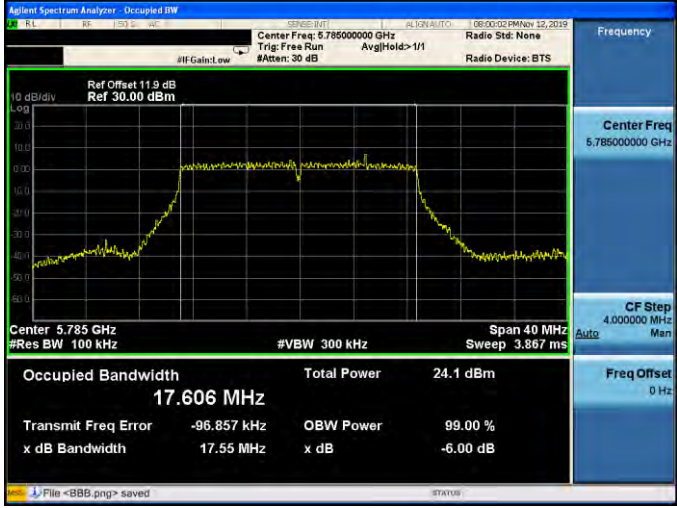
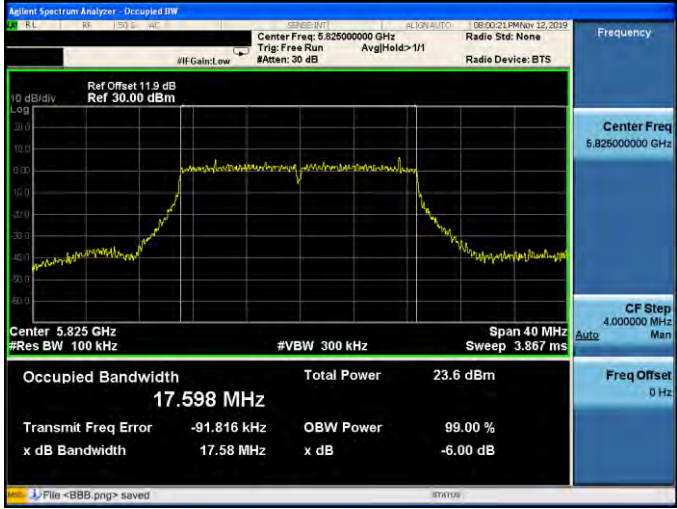
5775 MHz	
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Mode 2: IEEE 802.11a Continuous TX mode_ANT-2

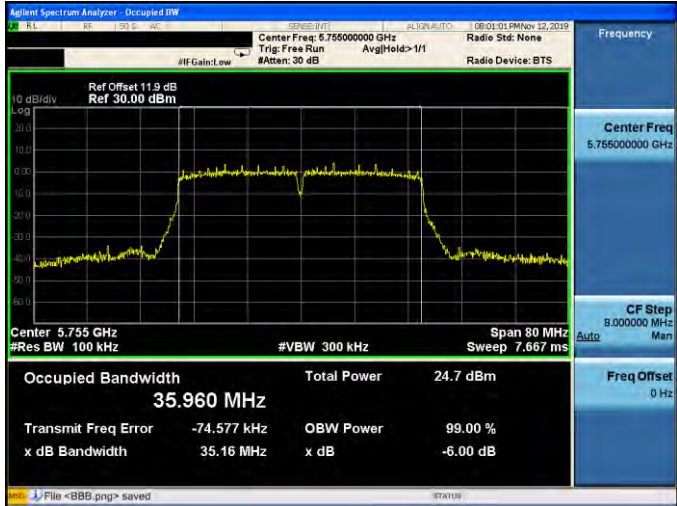
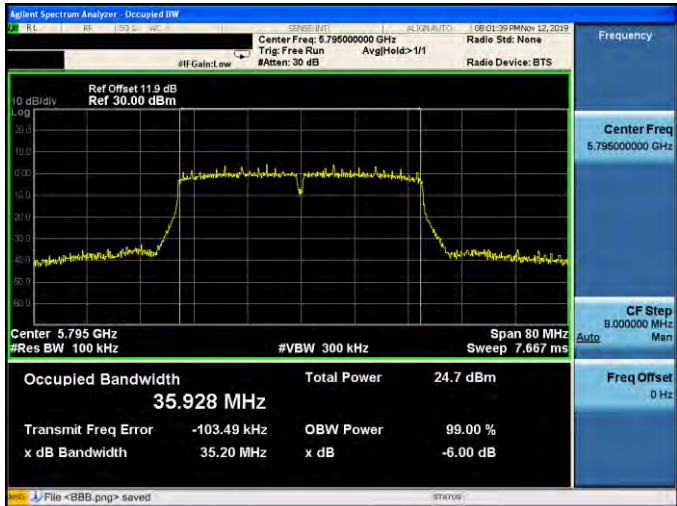
5745 MHz	
5785 MHz	
5825 MHz	



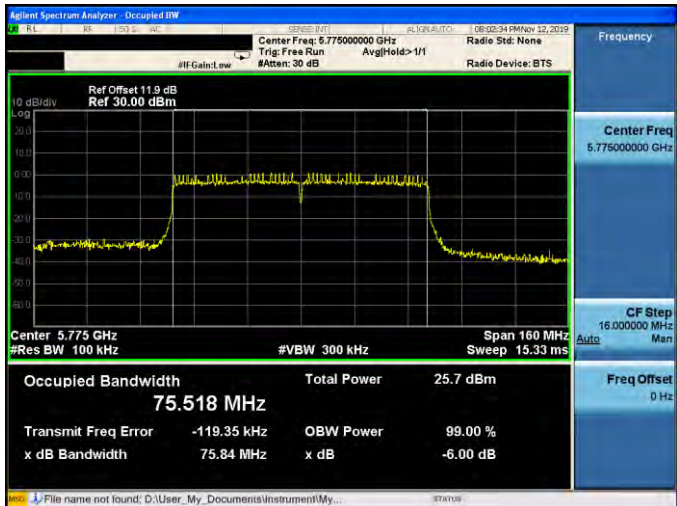
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-2	
5745 MHz	
5785 MHz	
5825 MHz	



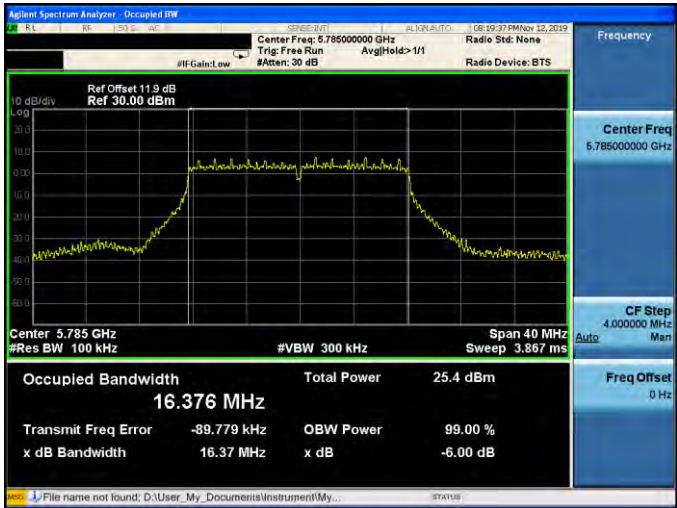
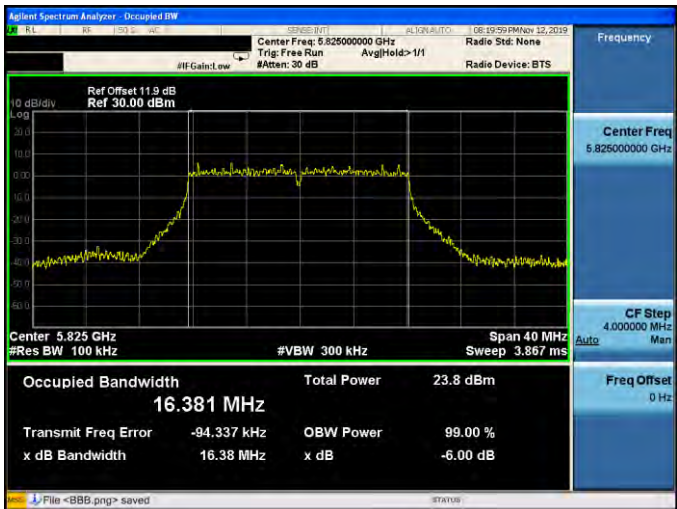
Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-2

5755 MHz	
5795 MHz	

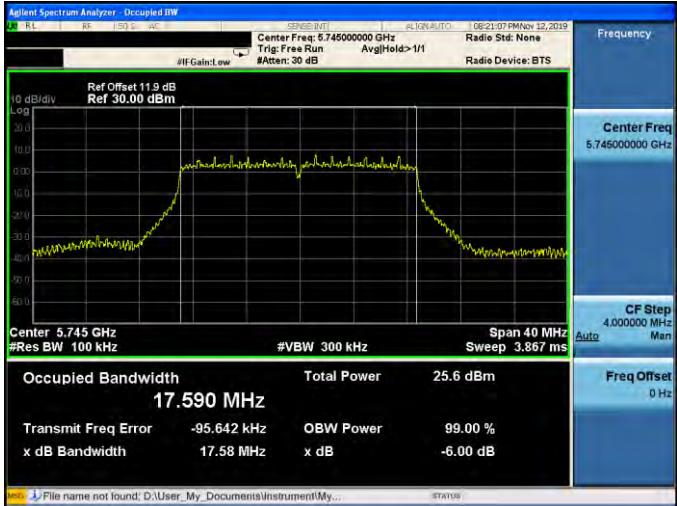
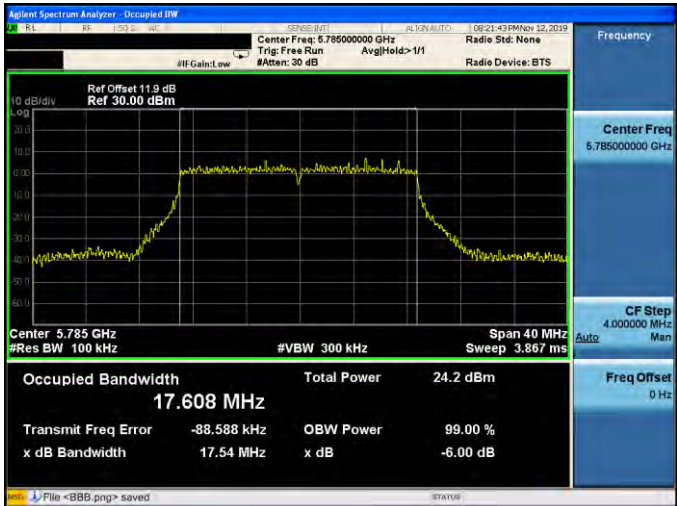
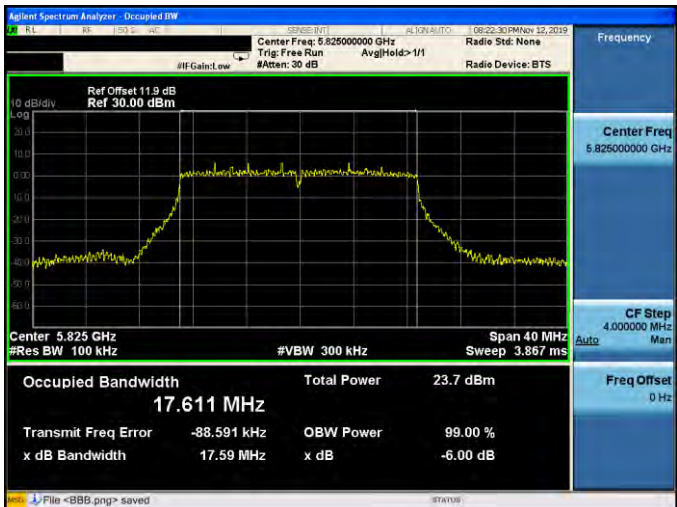
Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-2

5775 MHz	
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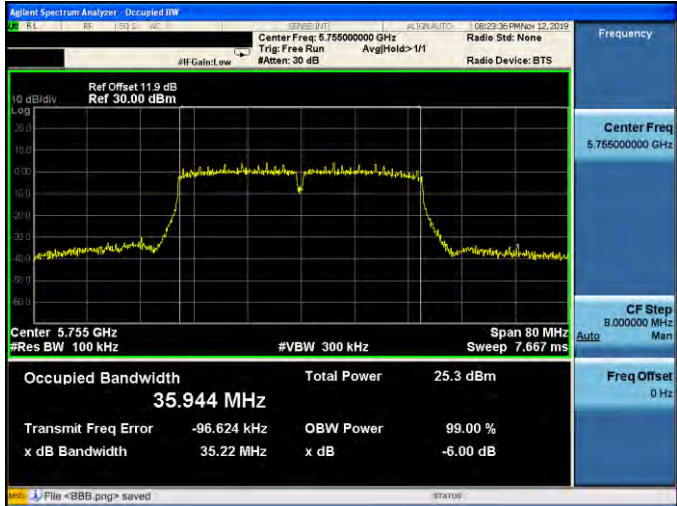
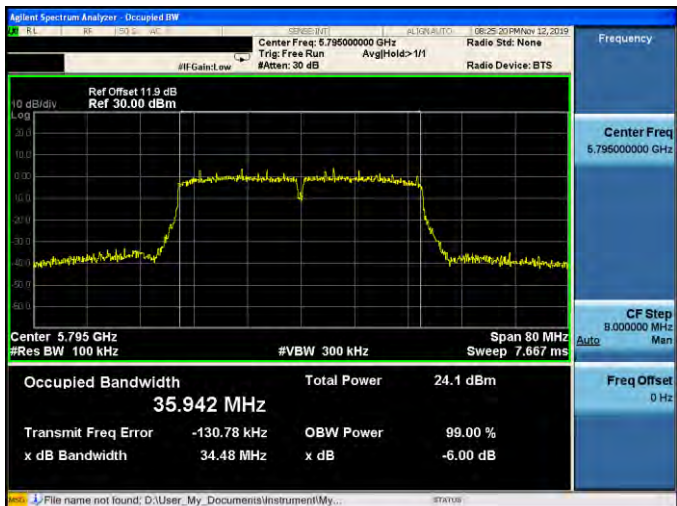
Mode 2: IEEE 802.11a Continuous TX mode_ANT-3	
5745 MHz	
5785 MHz	
5825 MHz	



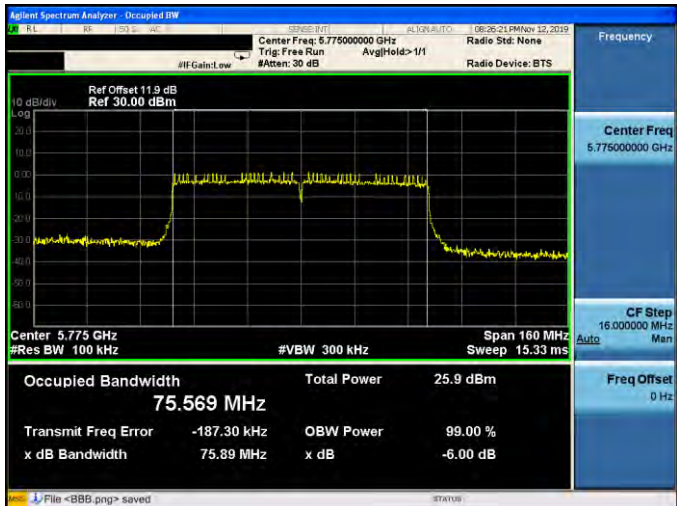
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-3	
5745 MHz	
5785 MHz	
5825 MHz	



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

5755 MHz	
5795 MHz	

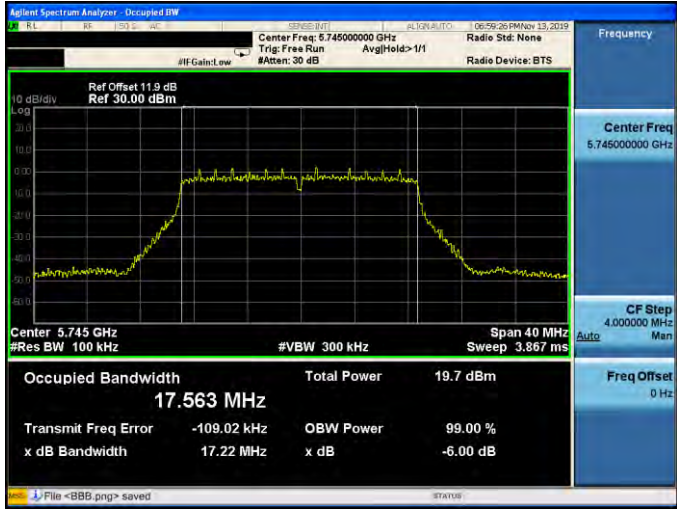
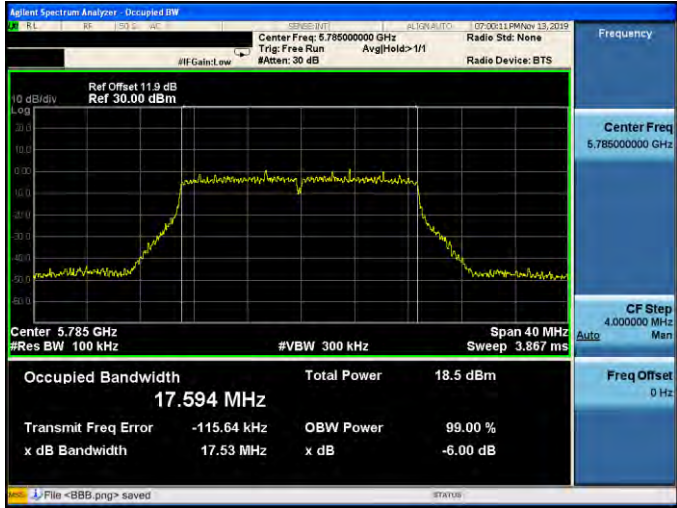
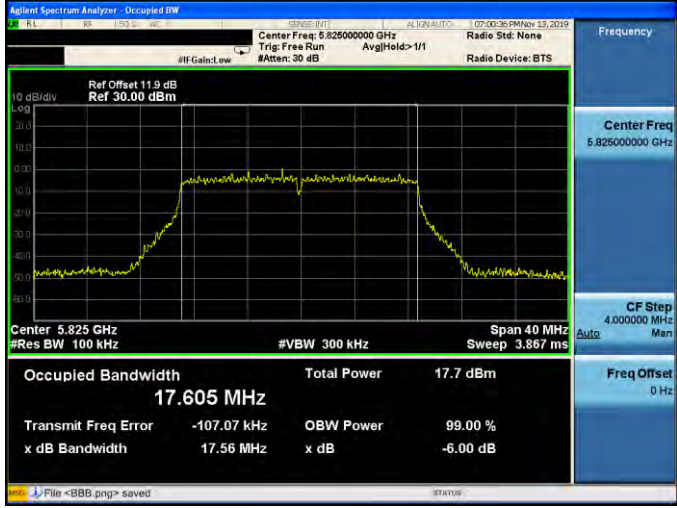
Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-3

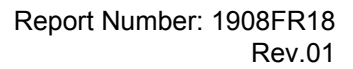
5775 MHz	
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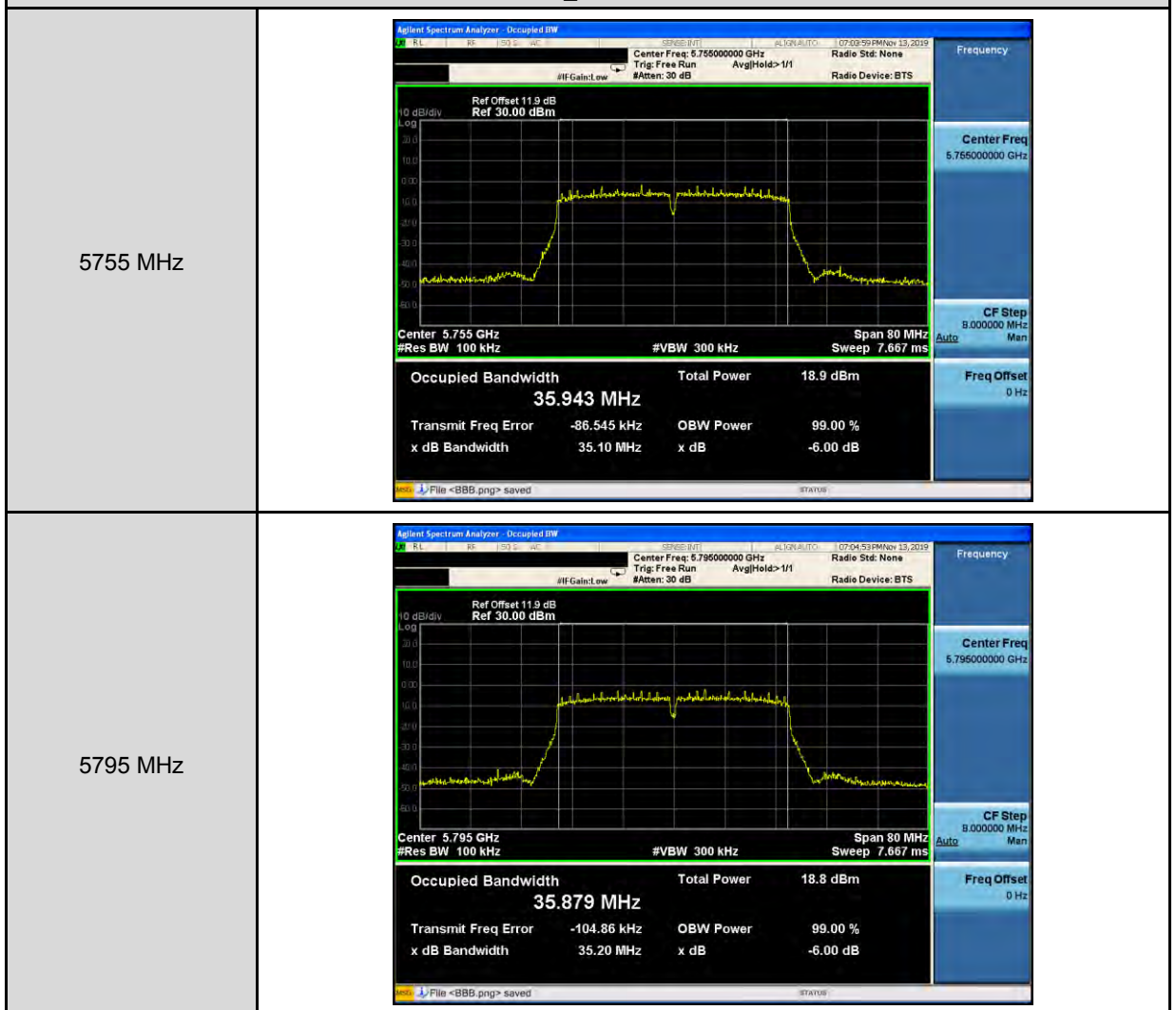
Beamforming on

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

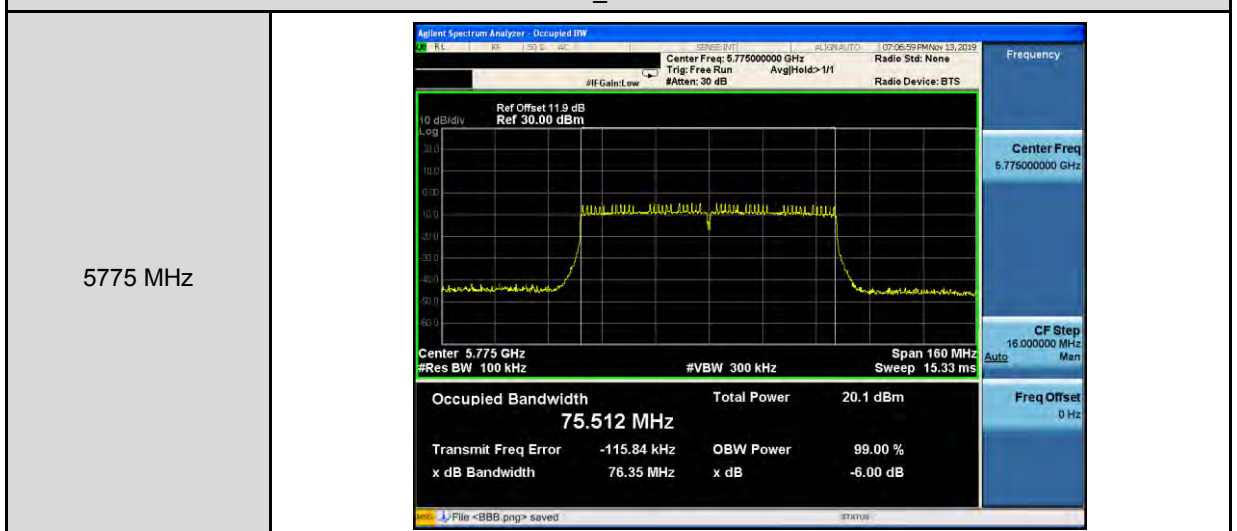
5745 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.74500000 GHz Trig: Free Run Aval: Hold>1/1 Radio Std: None Radio Device: BTS Ref Offset 11.9 dB Ref 30.00 dBm Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms Occupied Bandwidth 17.563 MHz Total Power 19.7 dBm Transmit Freq Error -109.02 kHz OBW Power 99.00 % x dB Bandwidth 17.22 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 Aval: Hold>1/1 Radio Std: None Radio Device: BTS Ref Offset 11.9 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 17.594 MHz Total Power 18.5 dBm Transmit Freq Error -115.64 kHz OBW Power 99.00 % x dB Bandwidth 17.53 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 Aval: Hold>1/1 Radio Std: None Radio Device: BTS Ref Offset 11.9 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 17.605 MHz Total Power 17.7 dBm Transmit Freq Error -107.07 kHz OBW Power 99.00 % x dB Bandwidth 17.56 MHz x dB -6.00 dB File <BBB.png> saved



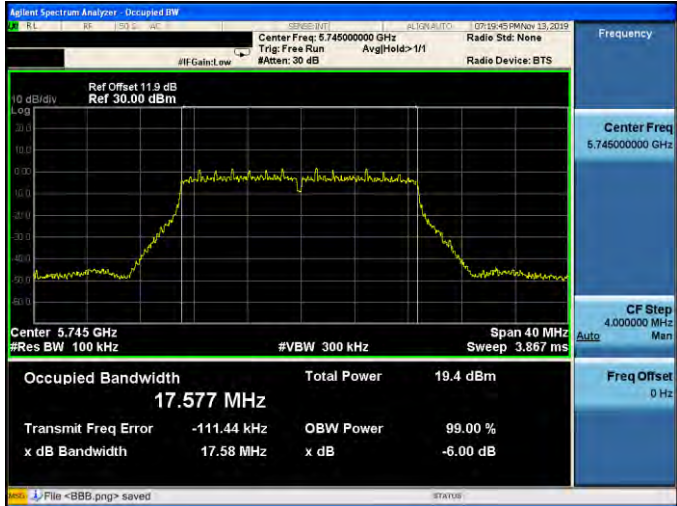
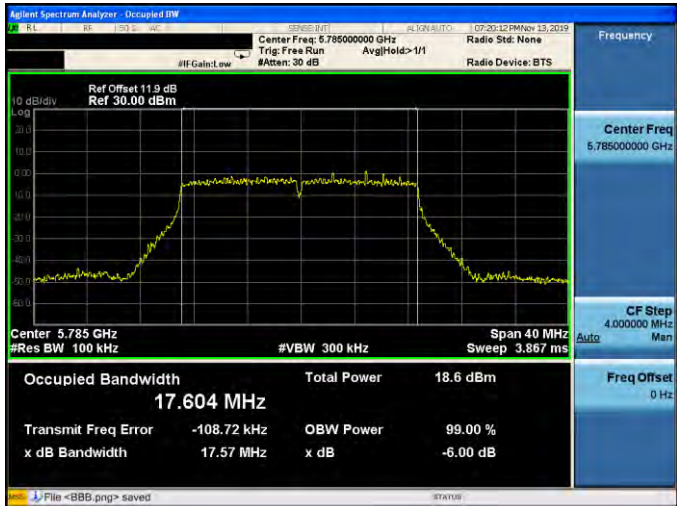
Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0

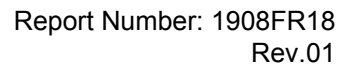


Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-0

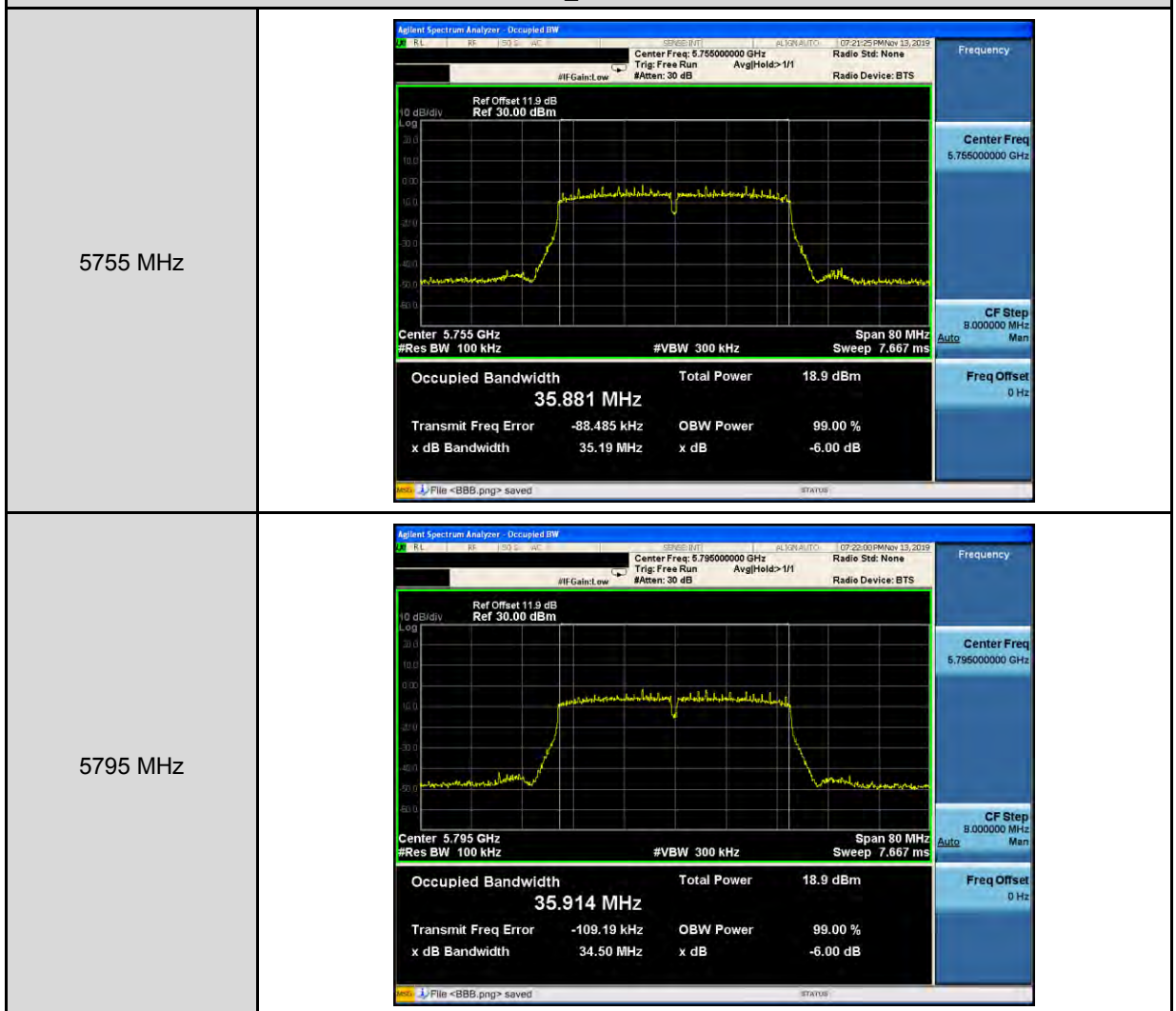




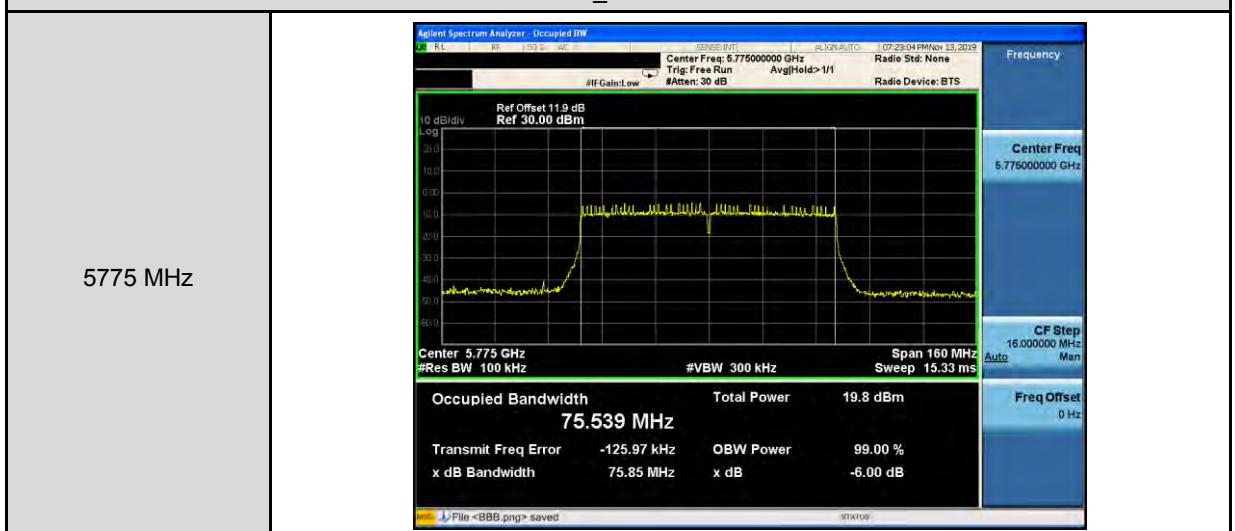
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5745 MHz	
5785 MHz	
5825 MHz	



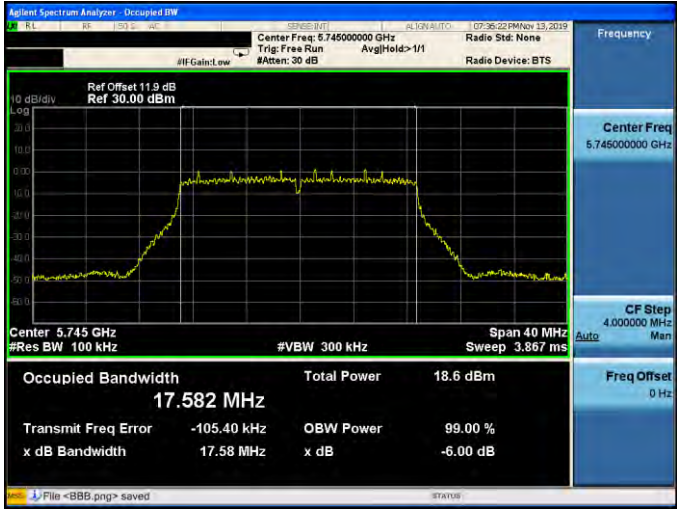
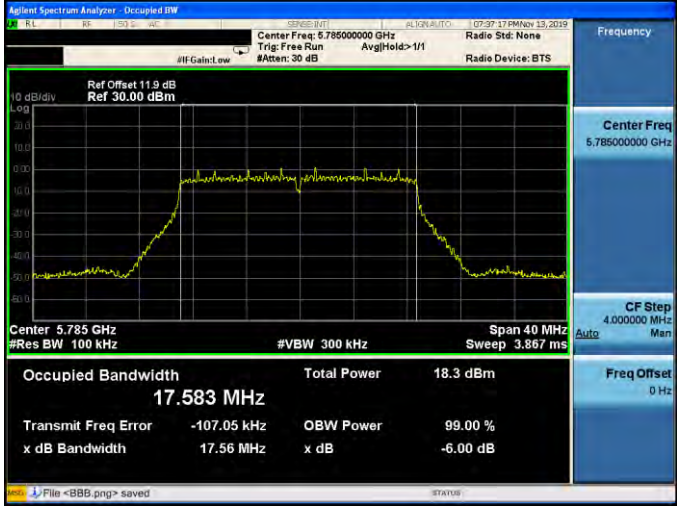
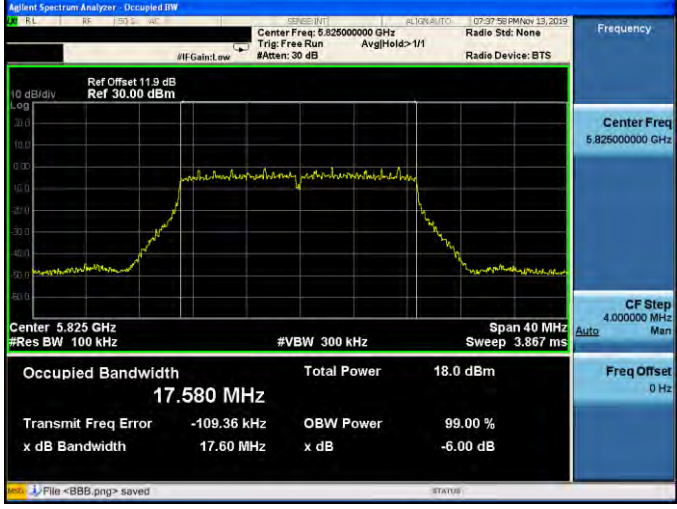
Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-1



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

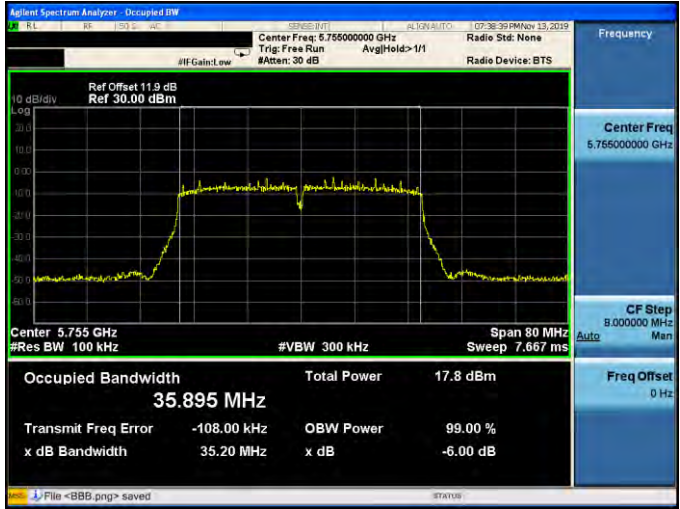
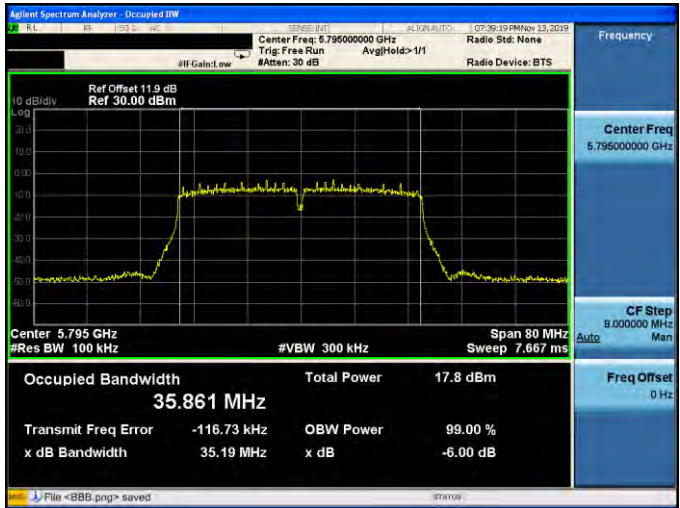




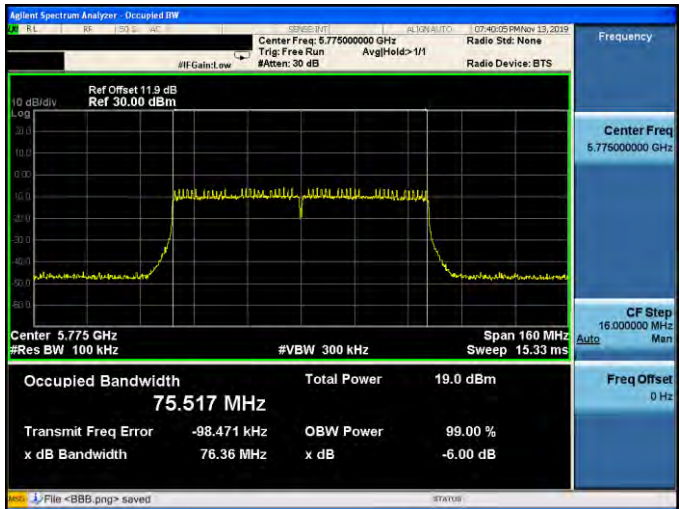
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-2	
5745 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.74500000 GHz Trig: Free Run #IF Gain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.9 dB Ref 30.00 dBm Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms Occupied Bandwidth 17.582 MHz Total Power 18.6 dBm Transmit Freq Error -105.40 kHz OBW Power 99.00 % x dB Bandwidth 17.58 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 11.9 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 17.583 MHz Total Power 18.3 dBm Transmit Freq Error -107.05 kHz OBW Power 99.00 % x dB Bandwidth 17.56 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 11.9 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 17.580 MHz Total Power 18.0 dBm Transmit Freq Error -109.36 kHz OBW Power 99.00 % x dB Bandwidth 17.60 MHz x dB -6.00 dB File <BBB.png> saved



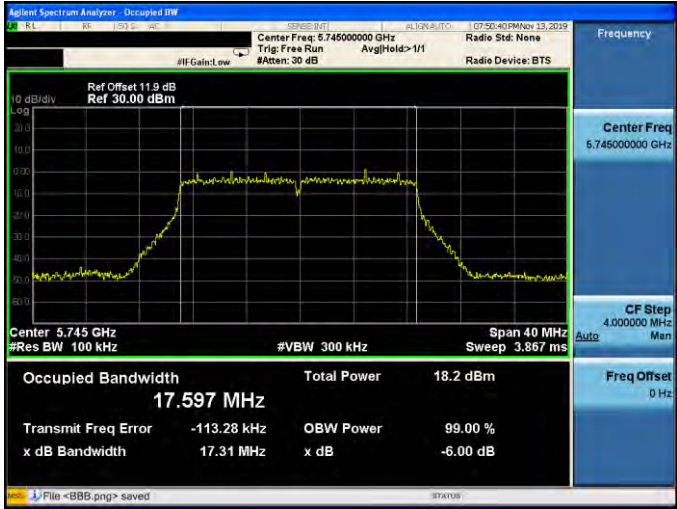
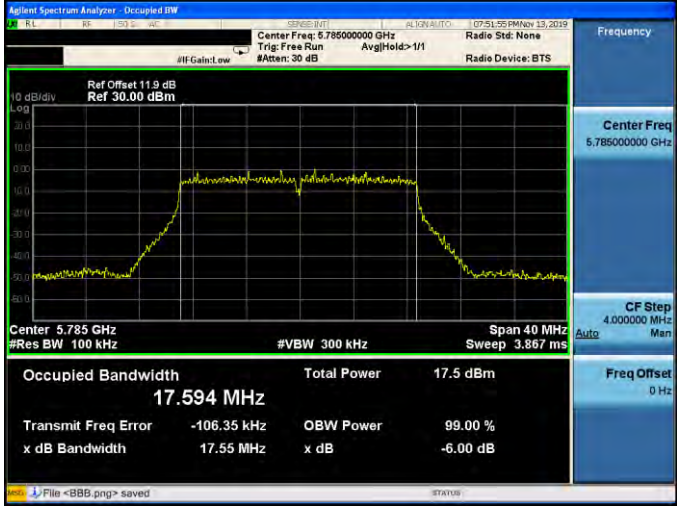
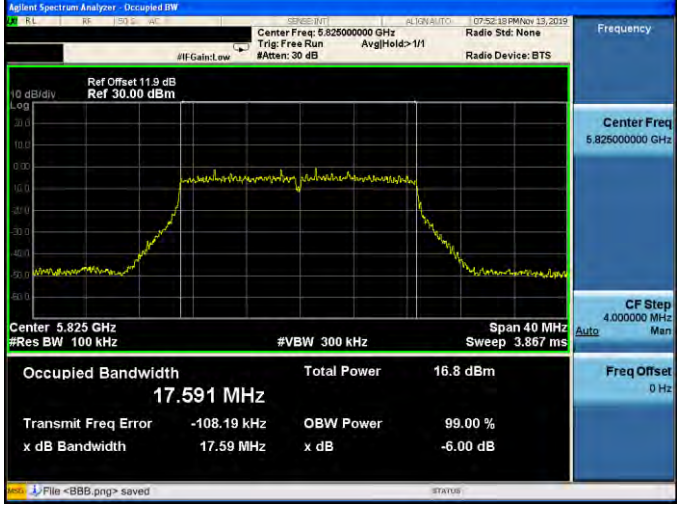
Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-2

5755 MHz	
5795 MHz	

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

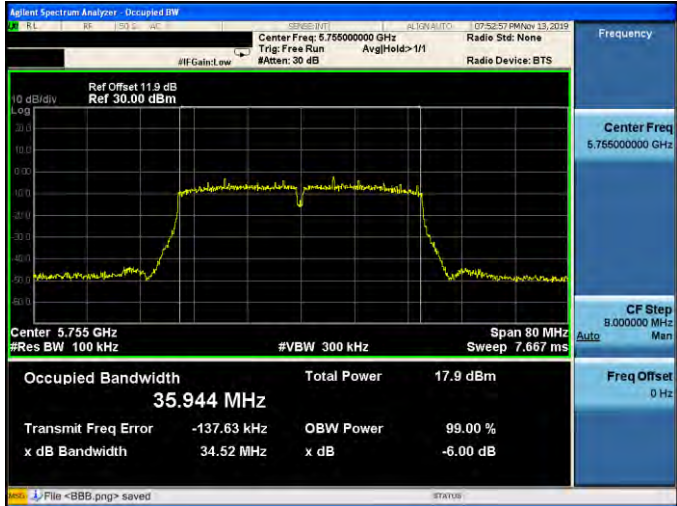
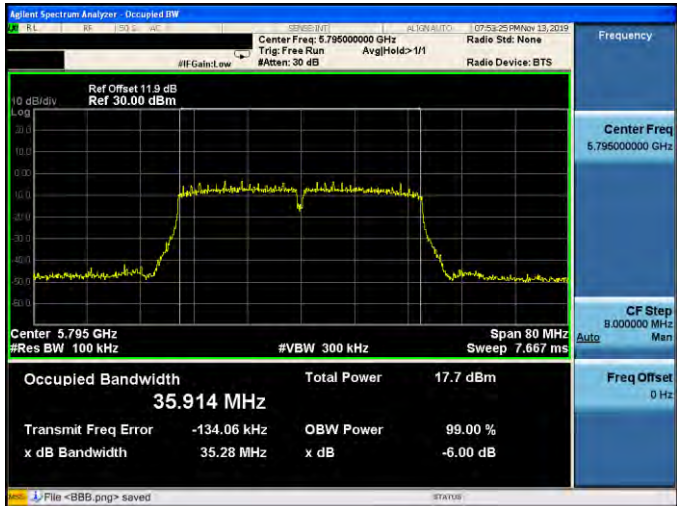
5775 MHz	
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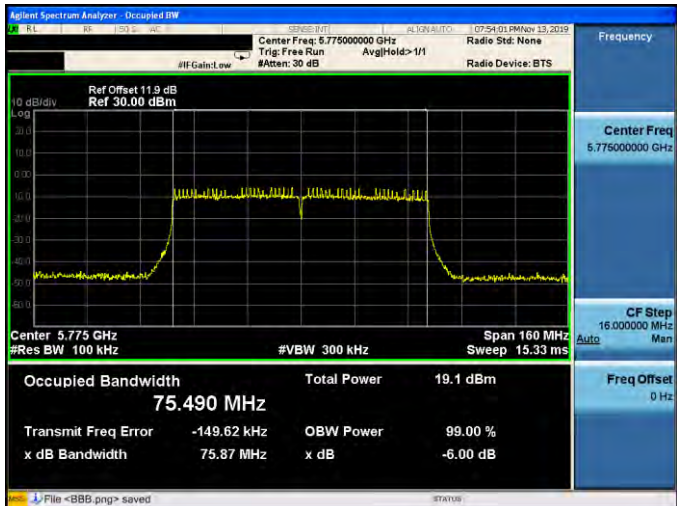
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-3	
5745 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.74500000 GHz Trig: Free Run #IF Gain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.9 dB Ref 30.00 dBm Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms Occupied Bandwidth 17.597 MHz Total Power 18.2 dBm Transmit Freq Error -113.28 kHz OBW Power 99.00 % x dB Bandwidth 17.31 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 11.9 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 17.594 MHz Total Power 17.5 dBm Transmit Freq Error -106.35 kHz OBW Power 99.00 % x dB Bandwidth 17.55 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 11.9 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 17.591 MHz Total Power 16.8 dBm Transmit Freq Error -108.19 kHz OBW Power 99.00 % x dB Bandwidth 17.59 MHz x dB -6.00 dB File <BBB.png> saved



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	6.114	0.084	6.198	≤ 12.51
5200	6.063	0.084	6.147	
5240	5.896	0.084	5.980	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	5.644	0.084	5.728	≤ 12.51
5200	5.648	0.084	5.732	
5240	5.568	0.084	5.652	
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	5.078	0.084	5.162	≤ 12.51
5200	4.875	0.084	4.959	
5240	4.826	0.084	4.910	
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	4.363	0.084	4.447	≤ 12.51
5200	4.264	0.084	4.348	
5240	4.158	0.084	4.242	
Power Spectral Density				
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180.0	11.453			≤ 12.51
5200.0	11.372			
5240.0	11.268			

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	-0.315	0.084	6.759	≤ 24.53
5785	-0.444	0.084	6.630	
5825	-1.313	0.084	5.761	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-0.886	0.084	6.188	≤ 24.53
5785	-0.771	0.084	6.303	
5825	-0.682	0.084	6.392	
Frequency (MHz)	ANT-2			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-0.956	0.084	6.118	≤ 24.53
5785	-1.433	0.084	5.641	
5825	-1.872	0.084	5.202	
Frequency (MHz)	ANT-3			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-1.340	0.084	5.734	≤ 24.53
5785	-1.723	0.084	5.351	
5825	-2.237	0.084	4.837	
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5745	12.236			≤ 24.53
5785	12.031			
5825	11.608			

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	7.696	0.026	7.722	≤ 17.00
5200	7.518	0.026	7.544	
5240	7.473	0.026	7.499	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	7.097	0.026	7.123	≤ 17.00
5200	6.992	0.026	7.018	
5240	7.032	0.026	7.058	
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	6.633	0.026	6.659	≤ 17.00
5200	6.490	0.026	6.516	
5240	6.147	0.026	6.173	
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	5.866	0.026	5.892	≤ 17.00
5200	6.063	0.026	6.089	
5240	5.740	0.026	5.766	
Power Spectral Density				
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180.0	12.920			≤ 17.00
5200.0	12.847			
5240.0	12.699			

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	-1.791	0.026	5.225	≤ 30.00
5785	-2.568	0.026	4.448	
5825	-2.933	0.026	4.083	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-2.336	0.026	4.680	≤ 30.00
5785	-2.349	0.026	4.667	
5825	-2.587	0.026	4.429	
Frequency (MHz)	ANT-2			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-2.835	0.026	4.181	≤ 30.00
5785	-3.137	0.026	3.879	
5825	-3.514	0.026	3.502	
Frequency (MHz)	ANT-3			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-2.670	0.026	4.346	≤ 30.00
5785	-3.221	0.026	3.795	
5825	-3.946	0.026	3.070	
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5745	10.647			≤ 30.00
5785	10.233			
5825	9.823			

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	4.708	0.071	4.779	≤ 17.00
5230	4.683	0.071	4.754	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	4.141	0.071	4.212	≤ 17.00
5230	4.246	0.071	4.317	
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	3.511	0.071	3.582	≤ 17.00
5230	3.359	0.071	3.430	
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	2.649	0.071	2.720	≤ 17.00
5230	2.999	0.071	3.070	
Power Spectral Density				
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5190.0	9.910			≤ 17.00
5230.0	9.965			

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	-5.372	0.071	1.688	≤ 30.00
5795	-5.506	0.071	1.554	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-5.362	0.071	1.698	≤ 30.00
5795	-5.283	0.071	1.777	
Frequency (MHz)	ANT-2			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-6.105	0.071	0.955	≤ 30.00
5795	-6.523	0.071	0.537	
Frequency (MHz)	ANT-3			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-5.766	0.071	1.294	≤ 30.00
5795	-6.290	0.071	0.770	
Frequency (MHz)	ANT-0+1+2+3			
	Calculated (dBm/500 kHz)			Limit (dBm/500 kHz)
5755	7.441			≤ 30.00
5795	7.211			

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	-2.321	0.147	-2.174	≤ 17.00
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-2.813	0.147	-2.666	≤ 17.00
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-3.713	0.147	-3.566	≤ 17.00
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-4.233	0.147	-4.086	≤ 17.00
Power Spectral Density				
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5210.0	2.962			≤ 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	-8.177	0.147	-1.040	≤ 30.00
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-8.279	0.147	-1.142	≤ 30.00
Frequency (MHz)	ANT-2			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-8.891	0.147	-1.754	≤ 30.00
Frequency (MHz)	ANT-3			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-8.934	0.147	-1.797	≤ 30.00
Frequency (MHz)	ANT-0+1+2+3			
	Calculated (dBm/500 kHz)			Limit (dBm/500 kHz)
5775	4.601			≤ 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	1.013	0.026	1.039	≤ 12.51
5200	0.833	0.026	0.859	
5240	0.618	0.026	0.644	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	0.787	0.026	0.813	≤ 12.51
5200	0.718	0.026	0.744	
5240	0.456	0.026	0.482	
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	-0.213	0.026	-0.187	≤ 12.51
5200	-0.138	0.026	-0.112	
5240	-0.578	0.026	-0.552	
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	-0.734	0.026	-0.708	≤ 12.51
5200	-0.998	0.026	-0.972	
5240	-1.073	0.026	-1.047	
Power Spectral Density				
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180.0	6.318			≤ 12.51
5200.0	6.211			
5240.0	5.959			

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	-8.841	0.026	-1.825	≤ 24.53
5785	-9.308	0.026	-2.292	
5825	-9.270	0.026	-2.254	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-8.286	0.026	-1.270	≤ 24.53
5785	-8.838	0.026	-1.822	
5825	-8.826	0.026	-1.810	
Frequency (MHz)	ANT-2			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-9.441	0.026	-2.425	≤ 24.53
5785	-9.675	0.026	-2.659	
5825	-10.080	0.026	-3.064	
Frequency (MHz)	ANT-3			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-9.320	0.026	-2.304	≤ 24.53
5785	-9.670	0.026	-2.654	
5825	-10.474	0.026	-3.458	
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5745	4.088			≤ 24.53
5785	3.677			
5825	3.422			

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	-1.906	0.071	-1.835	≤ 12.51
5230	-2.116	0.071	-2.045	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	-2.220	0.071	-2.149	≤ 12.51
5230	-2.175	0.071	-2.104	
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	-3.220	0.071	-3.149	≤ 12.51
5230	-3.278	0.071	-3.207	
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	-3.862	0.071	-3.791	≤ 12.51
5230	-3.801	0.071	-3.730	
Power Spectral Density				
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5190.0	3.358			≤ 12.51
5230.0	3.308			

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	-11.875	0.071	-4.815	≤ 24.53
5795	-12.417	0.071	-5.357	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-11.878	0.071	-4.818	≤ 24.53
5795	-11.957	0.071	-4.897	
Frequency (MHz)	ANT-2			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-12.894	0.071	-5.834	≤ 24.53
5795	-13.192	0.071	-6.132	
Frequency (MHz)	ANT-3			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-12.831	0.071	-5.771	≤ 24.53
5795	-13.159	0.071	-6.099	
Frequency (MHz)	ANT-0+1+2+3			
	Calculated (dBm/500 kHz)			Limit (dBm/500 kHz)
5755	0.739			≤ 24.53
5795	0.431			

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	-8.884	0.147	-8.737	≤ 12.51
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-9.359	0.147	-9.212	≤ 12.51
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-10.311	0.147	-10.164	≤ 12.51
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-10.476	0.147	-10.329	≤ 12.51
Power Spectral Density				
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5210.0	-3.539			≤ 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	-15.016	0.147	-7.879	≤ 24.53
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-14.992	0.147	-7.855	≤ 24.53
Frequency (MHz)	ANT-2			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-15.653	0.147	-8.516	≤ 24.53
Frequency (MHz)	ANT-3			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-15.643	0.147	-8.506	≤ 24.53
Frequency (MHz)	ANT-0+1+2+3			
	Calculated (dBm/500 kHz)			Limit (dBm/500 kHz)
5775	-2.157			≤ 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)