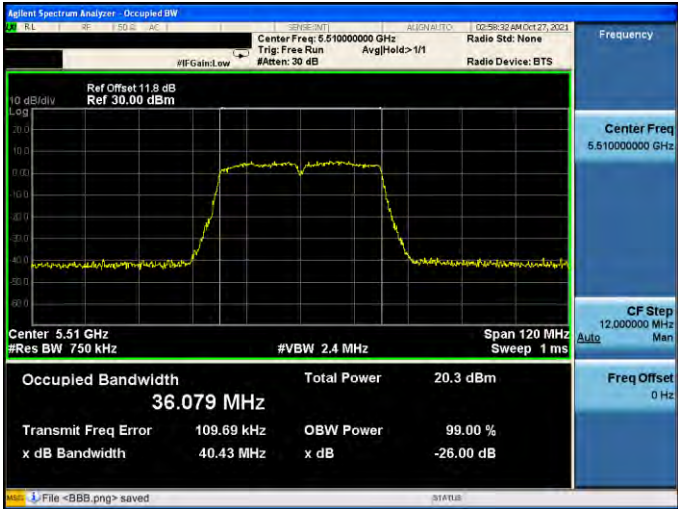
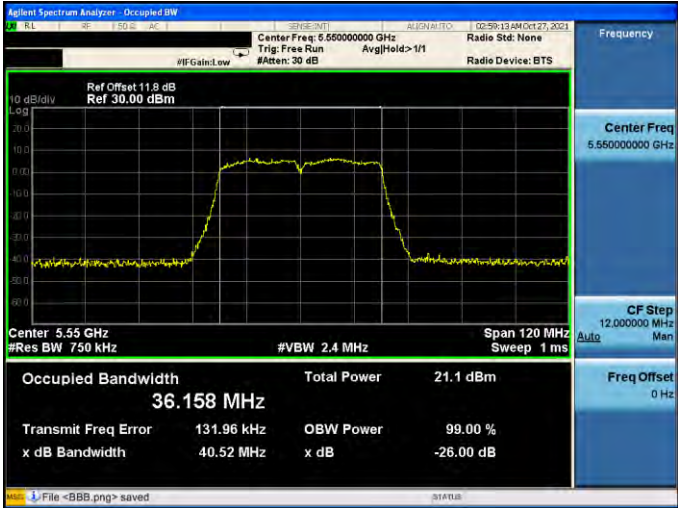
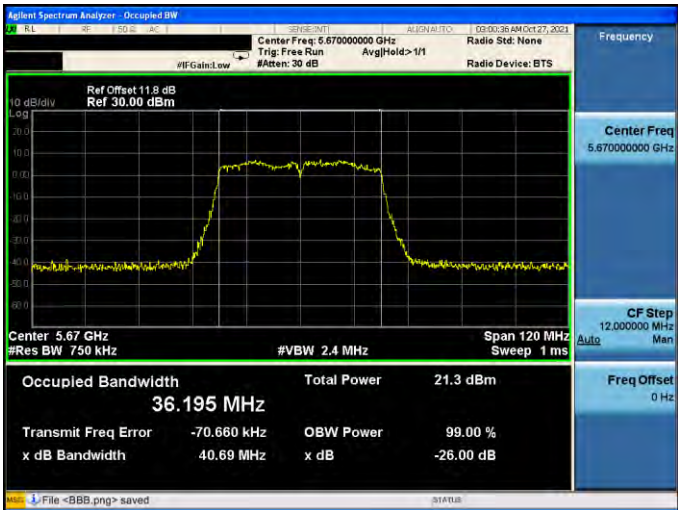
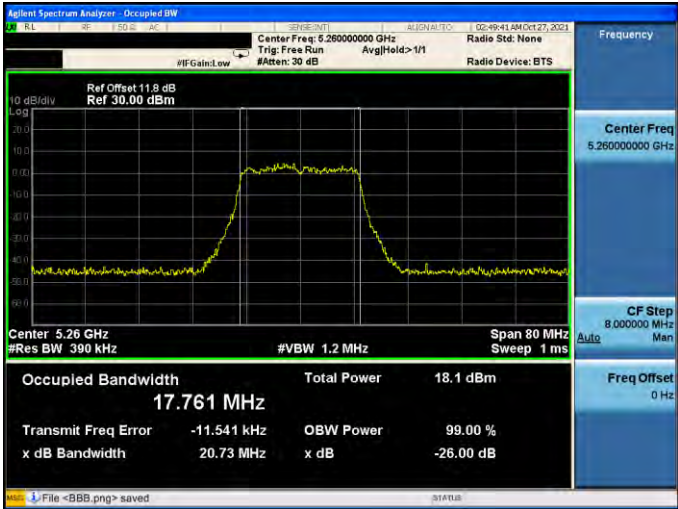
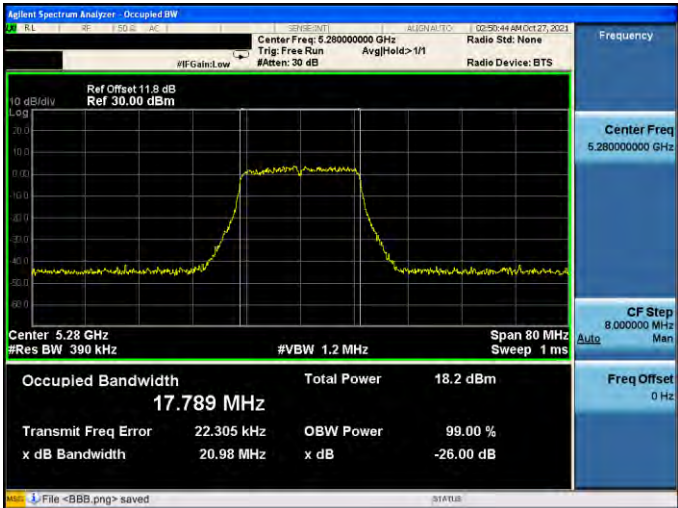
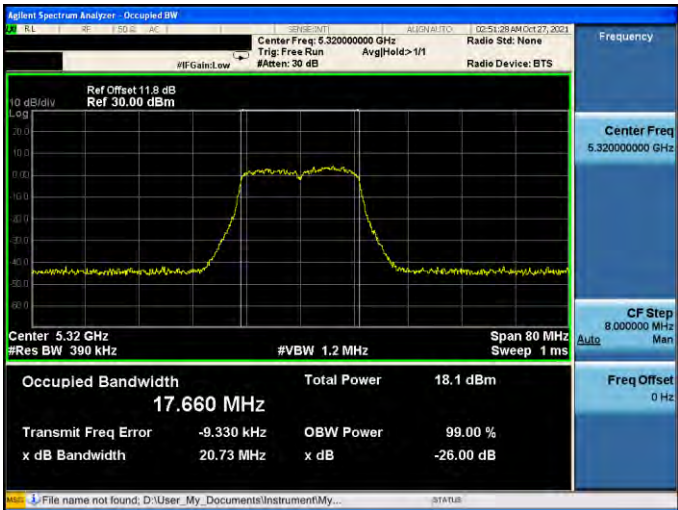
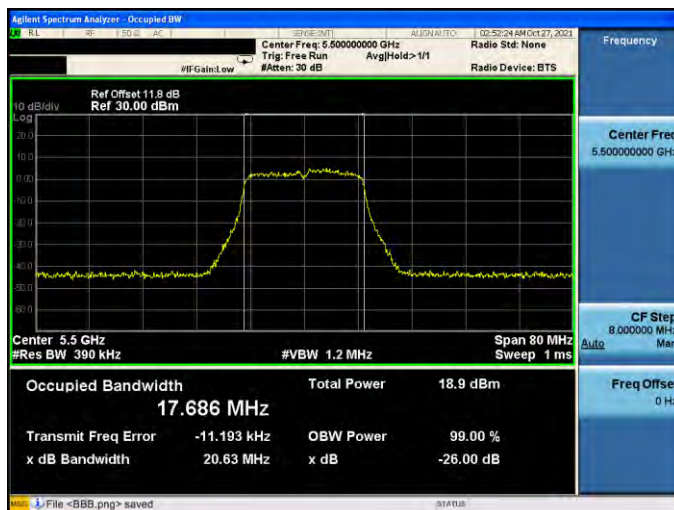


Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-2	
5510 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.51000000 GHz Span: 120 MHz Occupied Bandwidth: 36.079 MHz Total Power: 20.3 dBm Transmit Freq Error: 109.69 kHz OBW Power: 99.00 % x dB Bandwidth: 40.43 MHz x dB: -26.00 dB
5550 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.55000000 GHz Span: 120 MHz Occupied Bandwidth: 36.158 MHz Total Power: 21.1 dBm Transmit Freq Error: 131.96 kHz OBW Power: 99.00 % x dB Bandwidth: 40.52 MHz x dB: -26.00 dB
5670 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.67000000 GHz Span: 120 MHz Occupied Bandwidth: 36.195 MHz Total Power: 21.3 dBm Transmit Freq Error: -70.660 kHz OBW Power: 99.00 % x dB Bandwidth: 40.69 MHz x dB: -26.00 dB

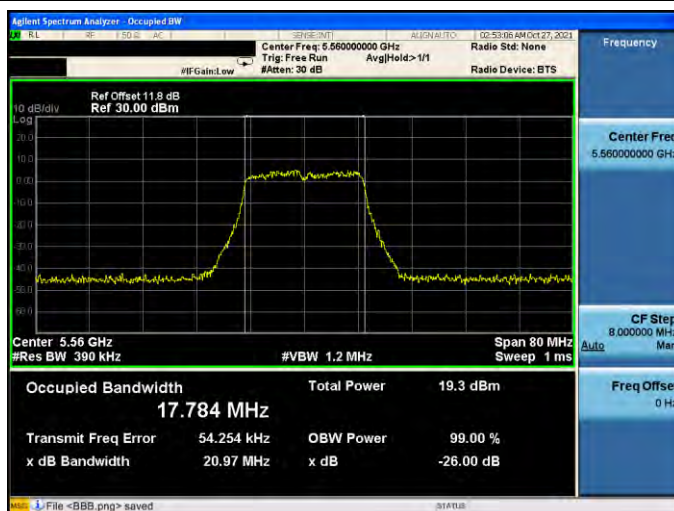
Mode 5: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-2	
5260 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.26000000 GHz Ref Offset 11.8 dB Ref 30.00 dBm Center 5.26 GHz #Res BW 390 kHz #VBW 1.2 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 17.761 MHz Total Power 18.1 dBm Transmit Freq Error -11.541 kHz OBW Power 99.00 % x dB Bandwidth 20.73 MHz x dB -26.00 dB File <BBB.png> saved
5280 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.28000000 GHz Ref Offset 11.8 dB Ref 30.00 dBm Center 5.28 GHz #Res BW 390 kHz #VBW 1.2 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 17.789 MHz Total Power 18.2 dBm Transmit Freq Error 22.305 kHz OBW Power 99.00 % x dB Bandwidth 20.98 MHz x dB -26.00 dB File <BBB.png> saved
5320 Hz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.32000000 GHz Ref Offset 11.8 dB Ref 30.00 dBm Center 5.32 GHz #Res BW 390 kHz #VBW 1.2 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 17.660 MHz Total Power 18.1 dBm Transmit Freq Error -9.330 kHz OBW Power 99.00 % x dB Bandwidth 20.73 MHz x dB -26.00 dB File name not found, D:\User_My_Documents\InstrumentMy...

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

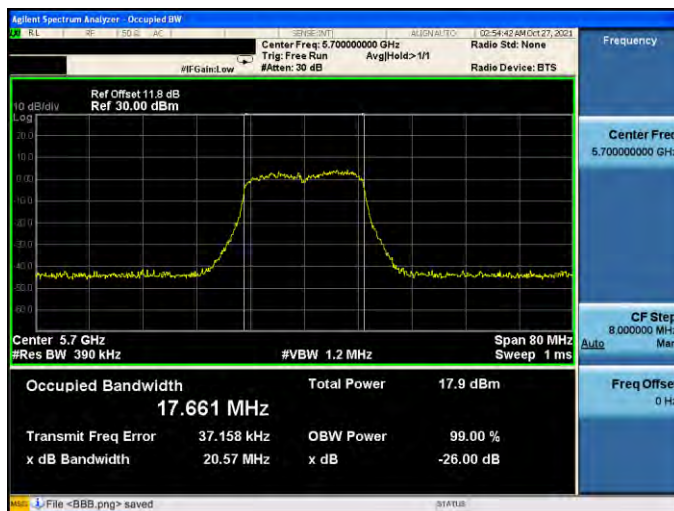
5500 MHz

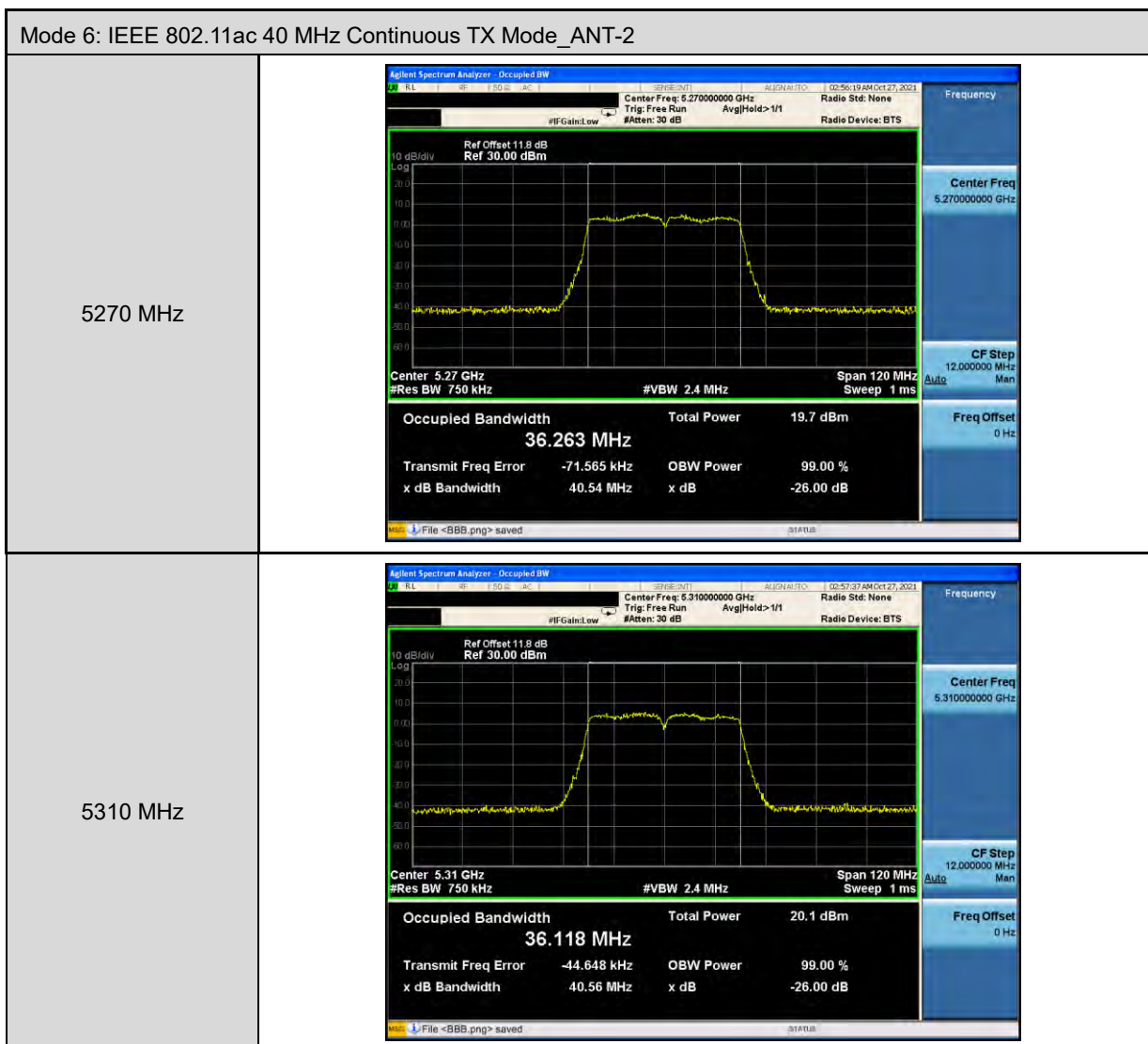


5560 MHz



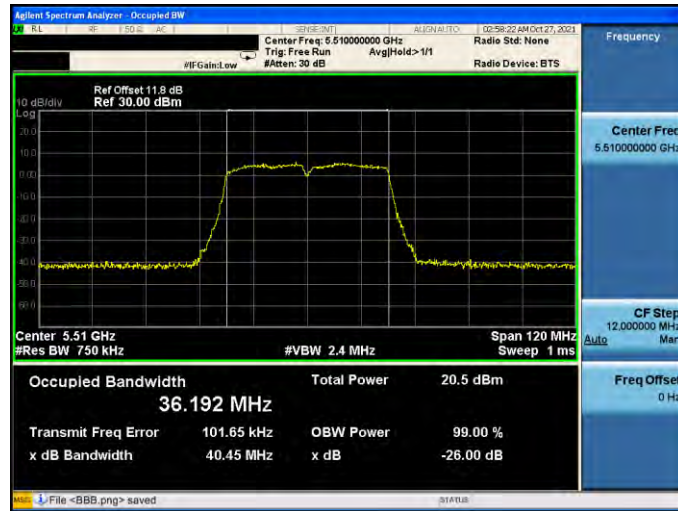
5700 MHz



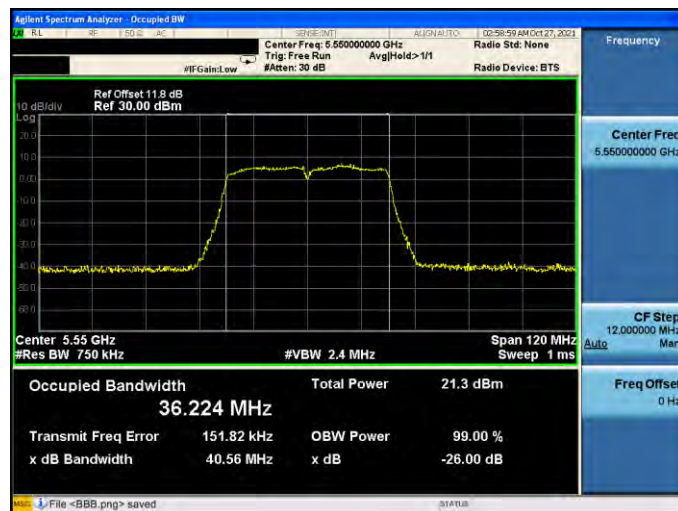


Mode 6: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-2

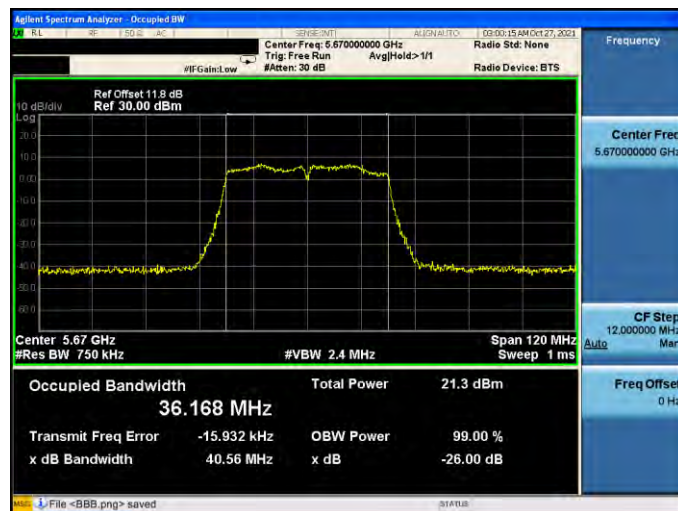
5510 MHz

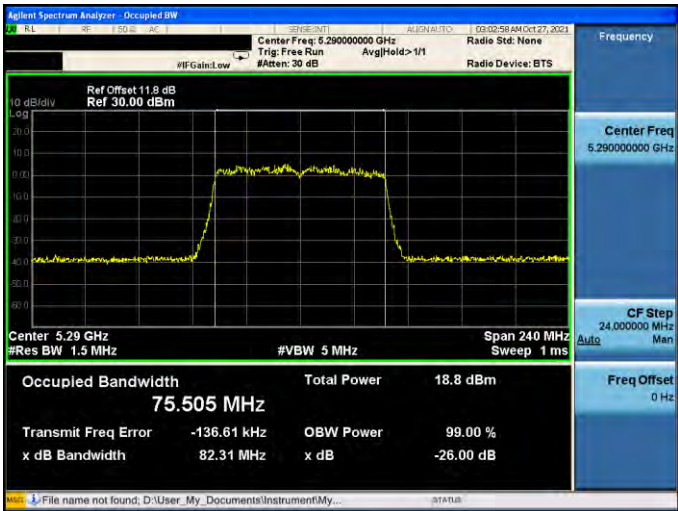
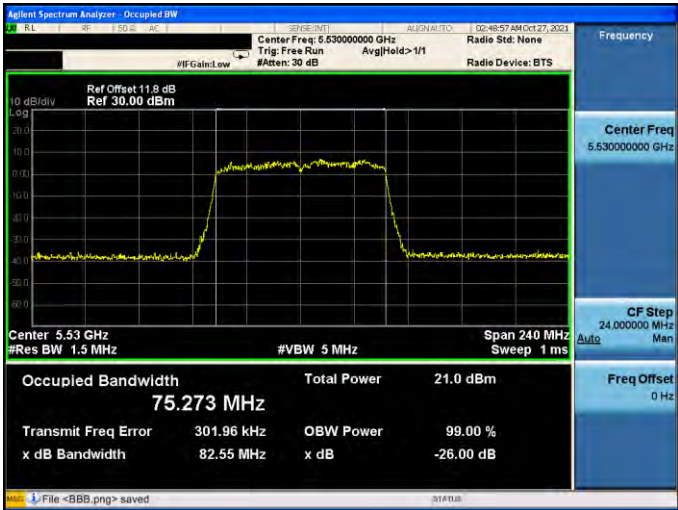


5550 MHz



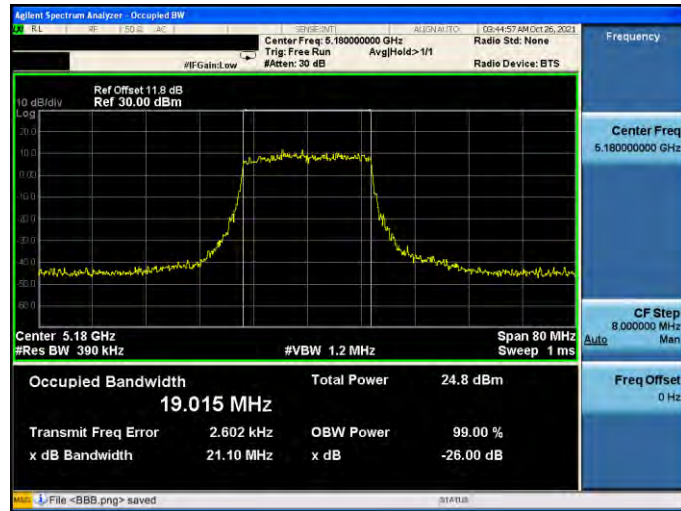
5670 MHz



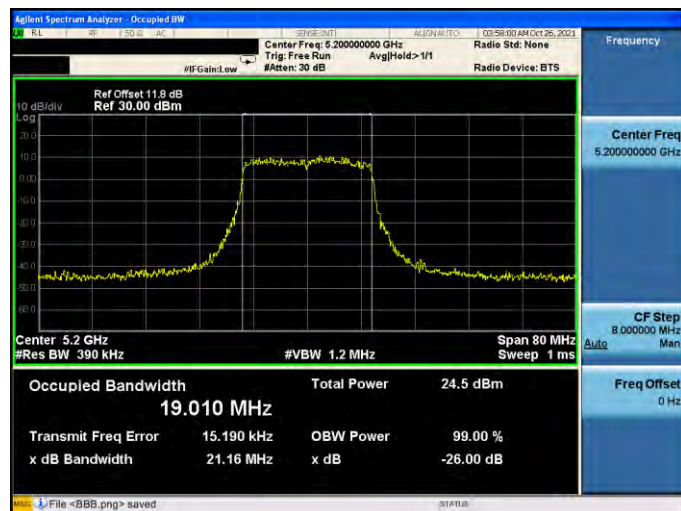
Mode 7: IEEE 802.11ac 80 MHz Continuous TX Mode_ANT-2	
5290 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.29000000 GHz Ref Offset 11.8 dB Ref 30.00 dBm Center 5.29 GHz #Res BW 1.5 MHz #VBW 5 MHz Span 240 MHz Sweep 1 ms Occupied Bandwidth 75.505 MHz Total Power 18.8 dBm Transmit Freq Error -136.61 kHz OBW Power 99.00 % x dB Bandwidth 82.31 MHz x dB -26.00 dB File name not found, D:\User_My_Documents\Instrument\My...
5530 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.53000000 GHz Ref Offset 11.8 dB Ref 30.00 dBm Center 5.53 GHz #Res BW 1.5 MHz #VBW 5 MHz Span 240 MHz Sweep 1 ms Occupied Bandwidth 75.273 MHz Total Power 21.0 dBm Transmit Freq Error 301.96 kHz OBW Power 99.00 % x dB Bandwidth 82.55 MHz x dB -26.00 dB File <BBB.png> saved

Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-2

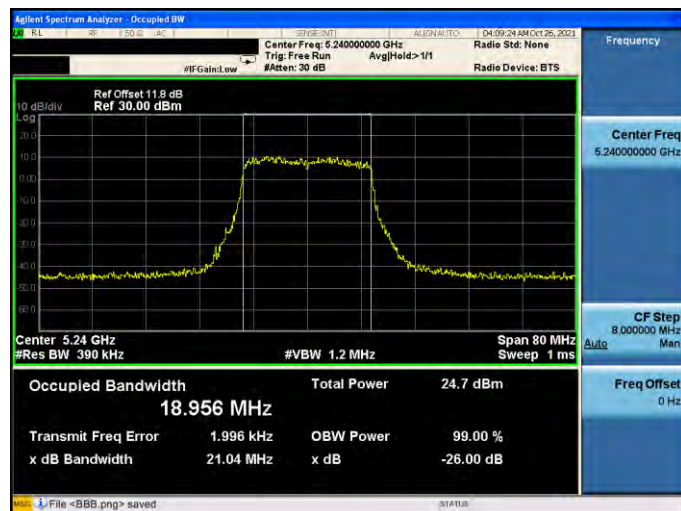
5180 MHz



5200 MHz

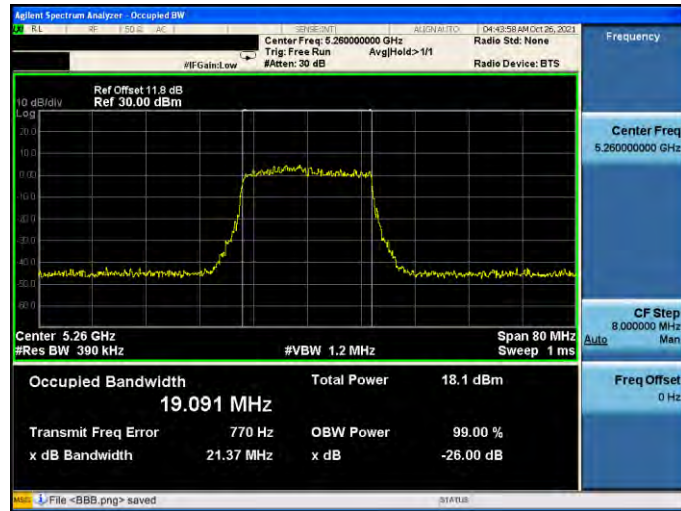


5240 MHz

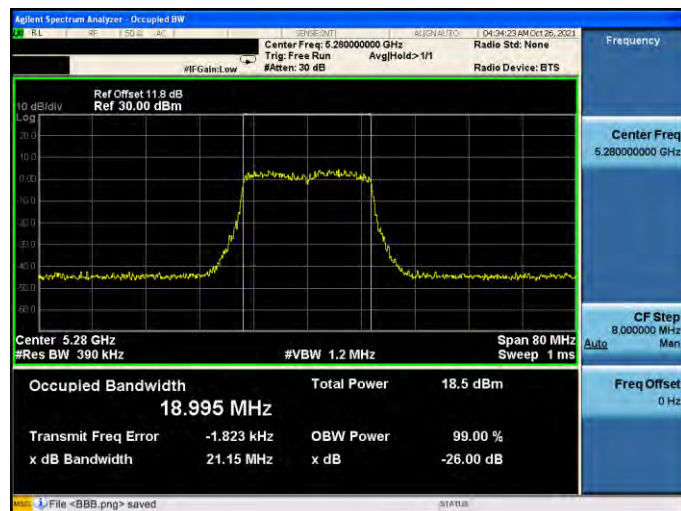


Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-2

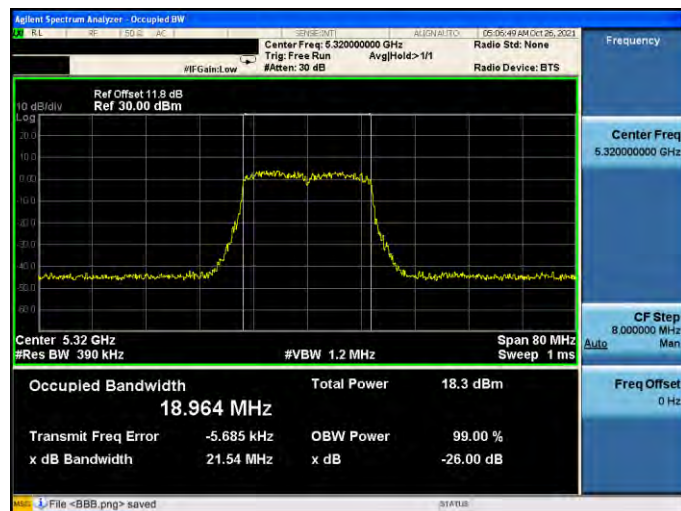
5260 MHz



5280 MHz

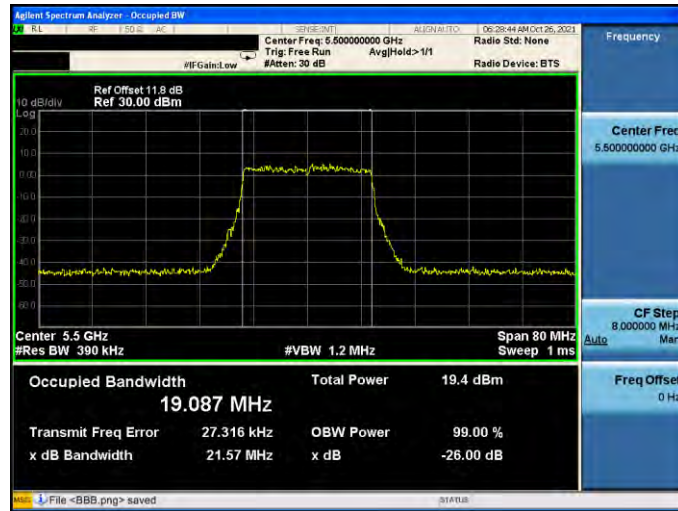


5320 MHz

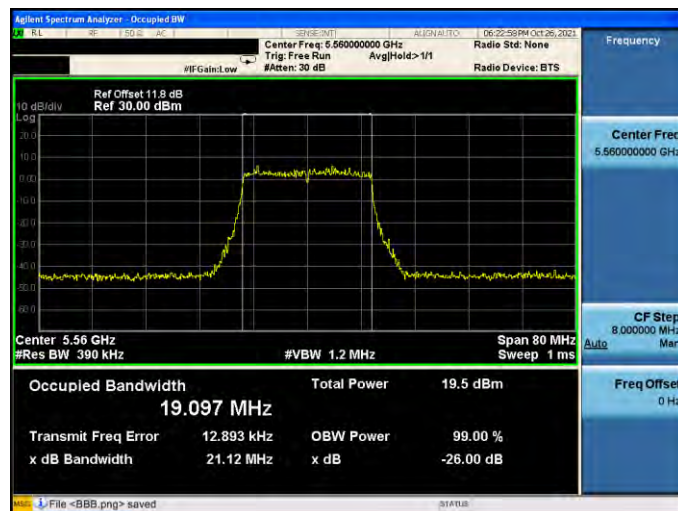


Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-2

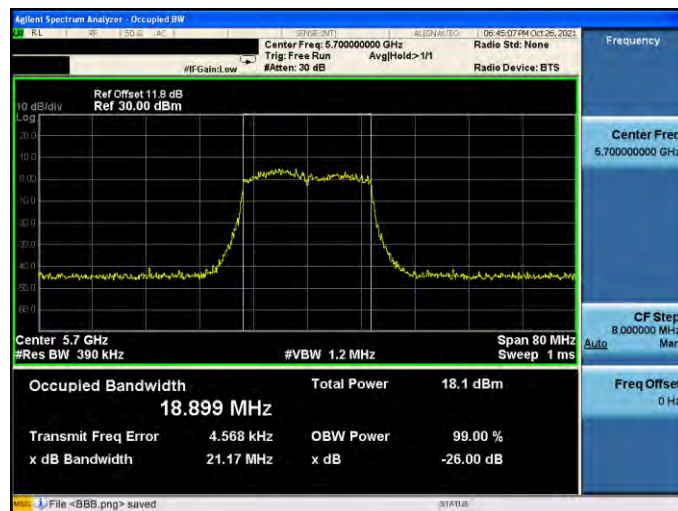
5500 MHz

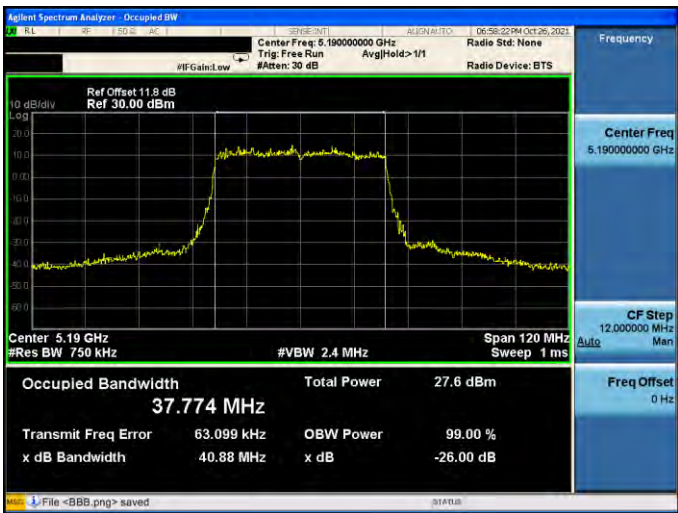
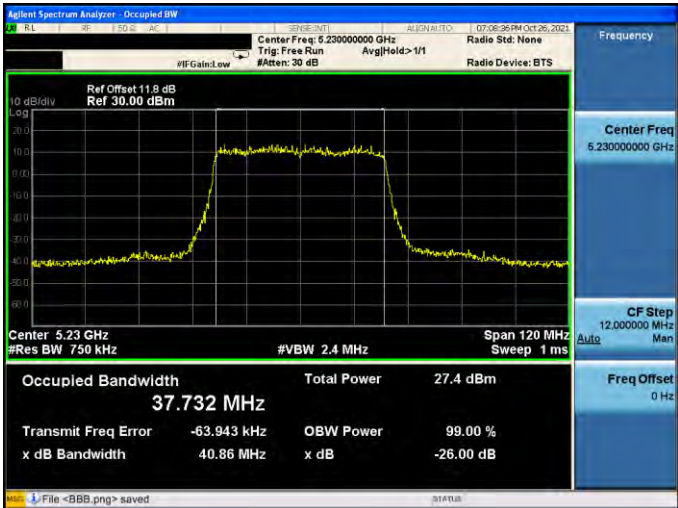


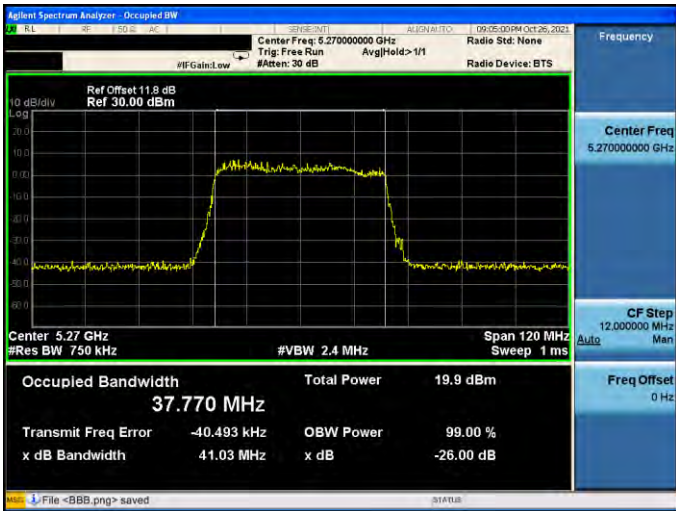
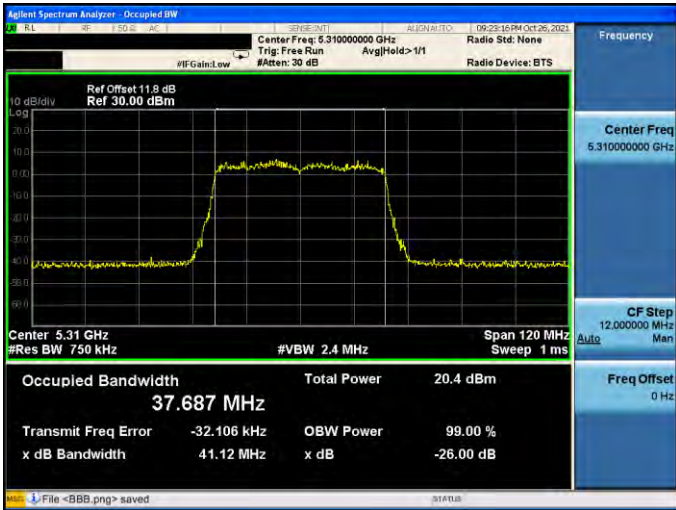
5560 MHz



5700 MHz

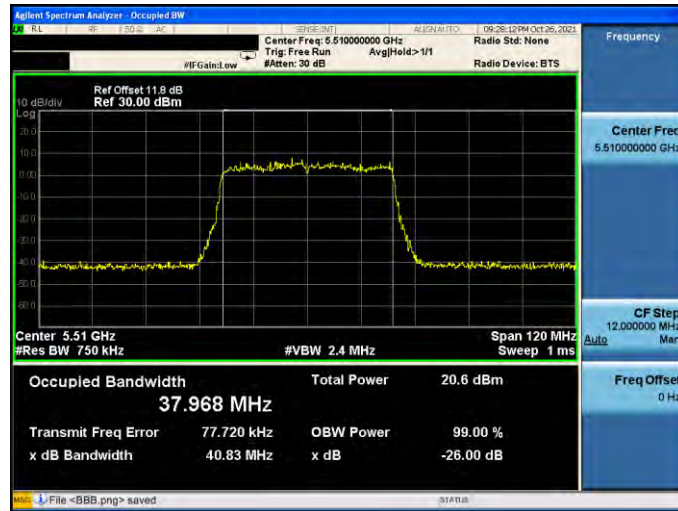


Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-2	
5190 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.190000000 GHz Span: 120 MHz Occupied Bandwidth: 37.774 MHz Total Power: 27.6 dBm Transmit Freq Error: 63.099 kHz OBW Power: 99.00 % x dB Bandwidth: 40.88 MHz x dB: -26.00 dB
5230 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.230000000 GHz Span: 120 MHz Occupied Bandwidth: 37.732 MHz Total Power: 27.4 dBm Transmit Freq Error: -63.943 kHz OBW Power: 99.00 % x dB Bandwidth: 40.86 MHz x dB: -26.00 dB

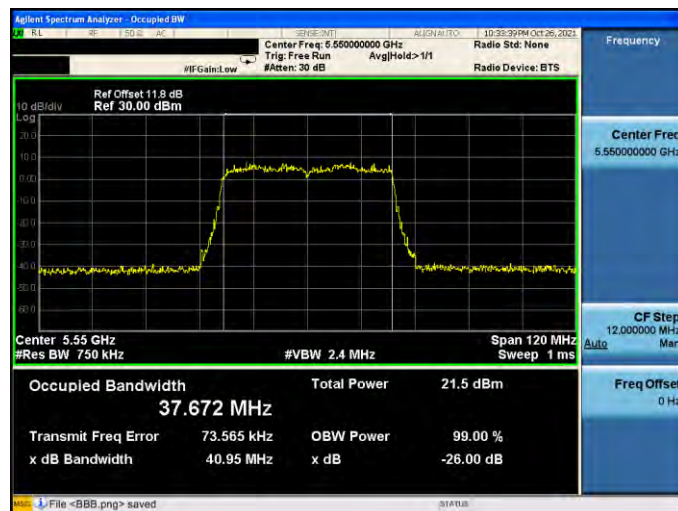
Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-2	
5270 MHz	
5310 MHz	

Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-2

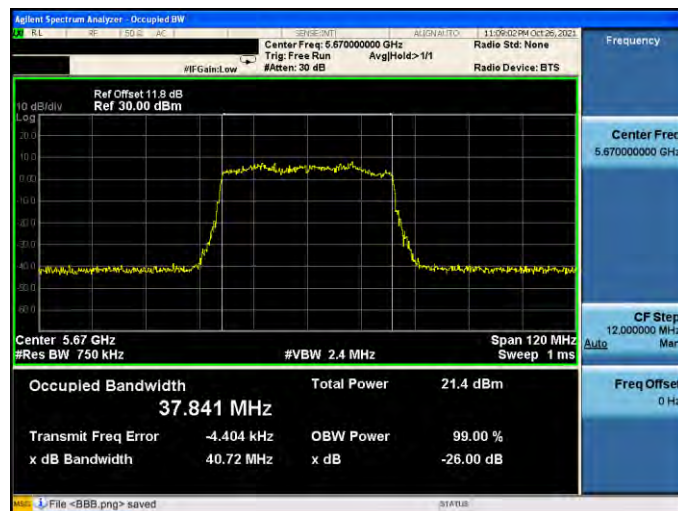
5510 MHz



5550 MHz

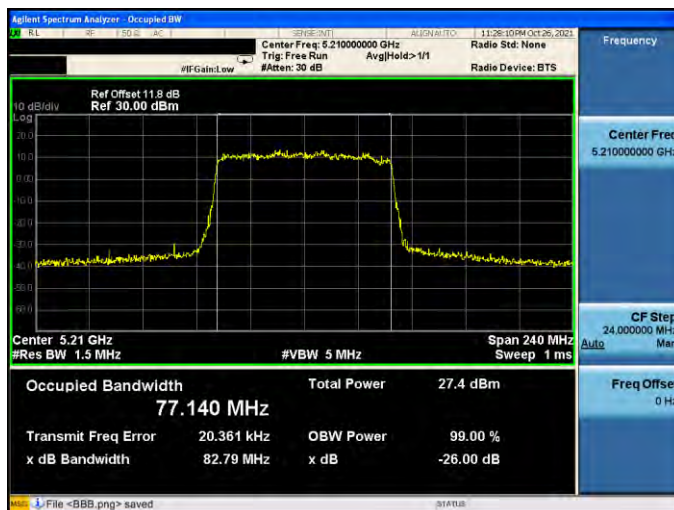


5670 MHz

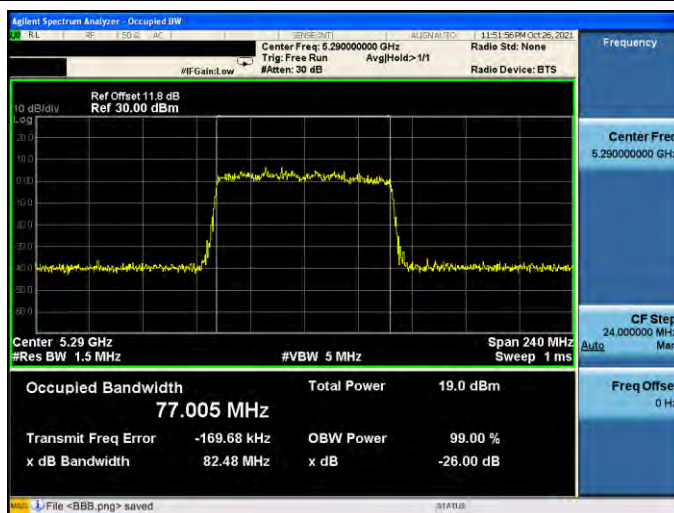


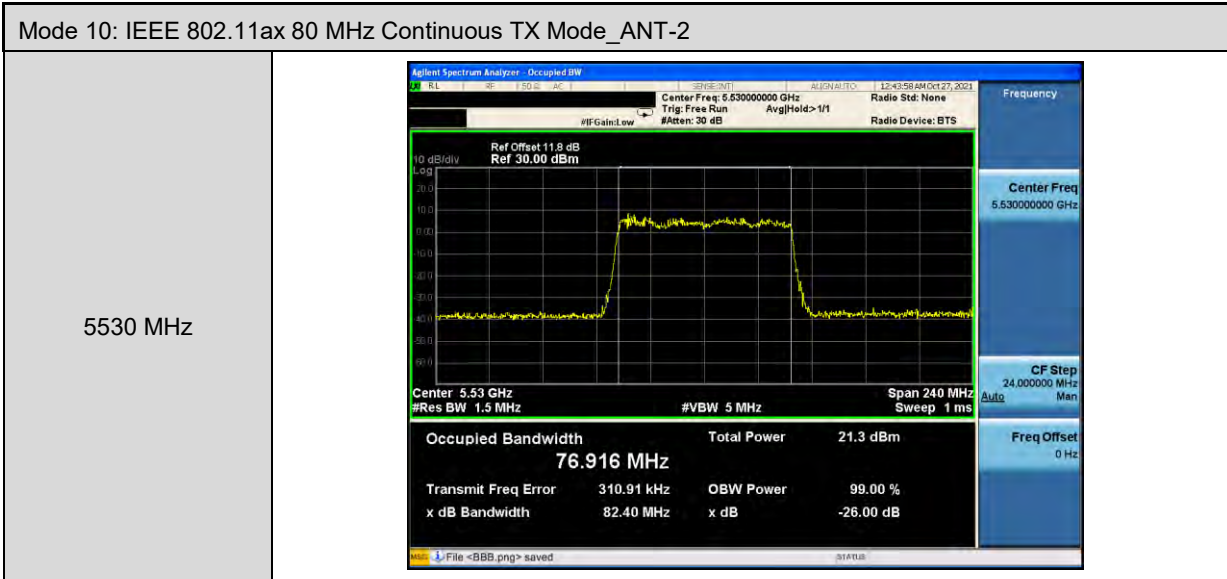
Mode 10: IEEE 802.11ax 80 MHz Continuous TX Mode_ANT-2

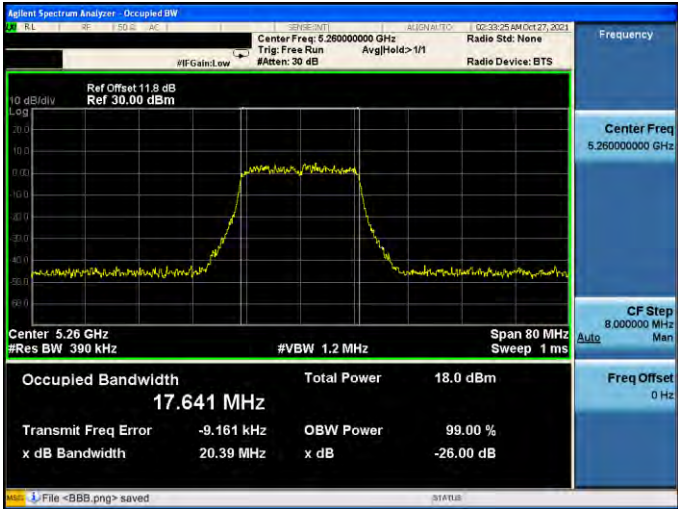
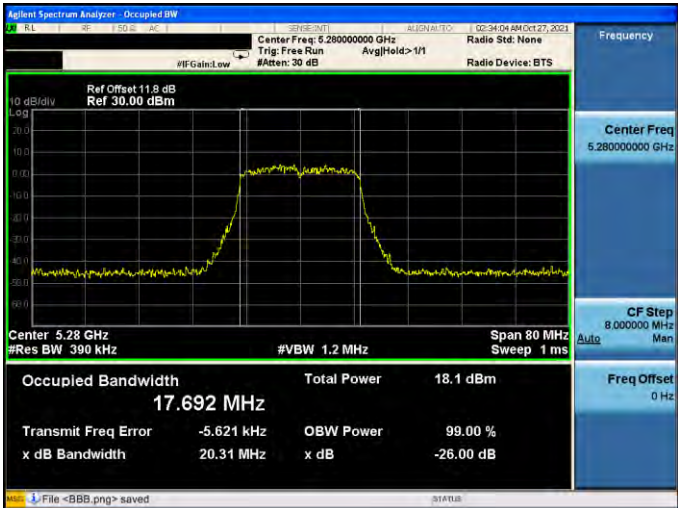
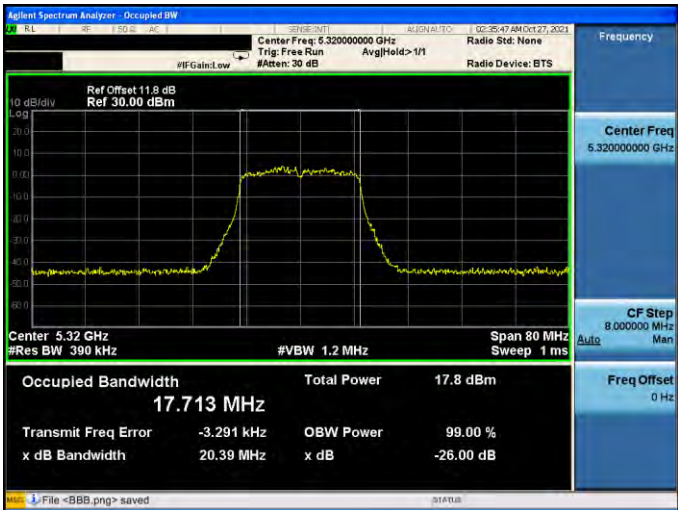
5210 MHz

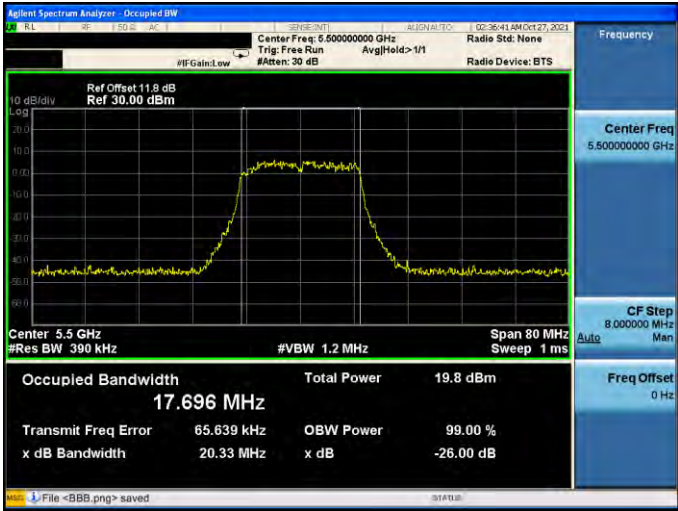
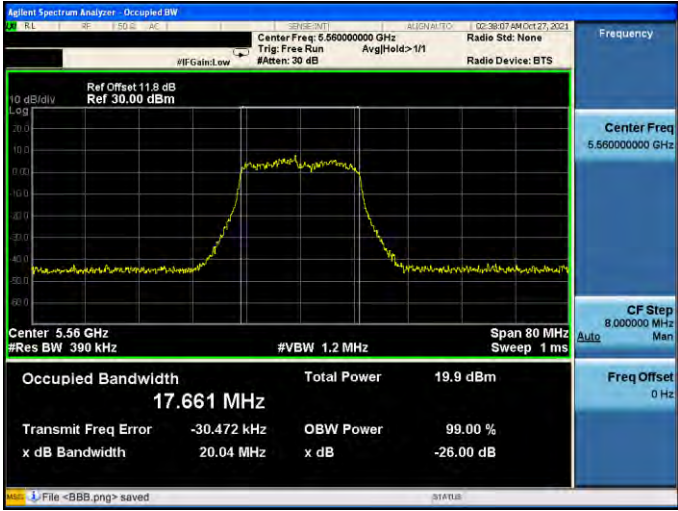
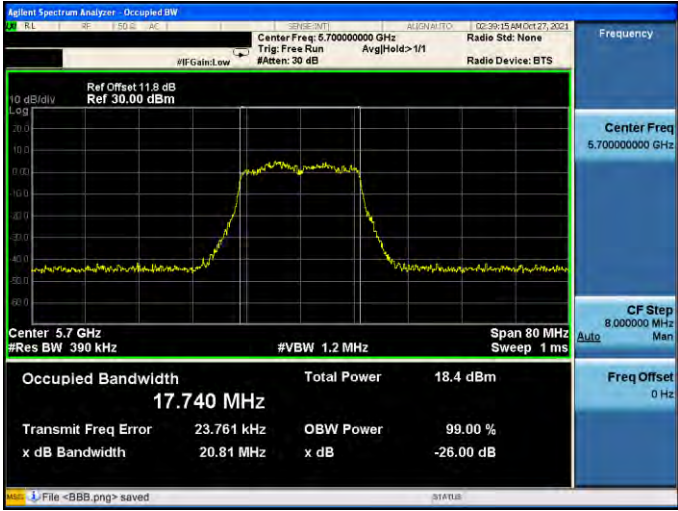


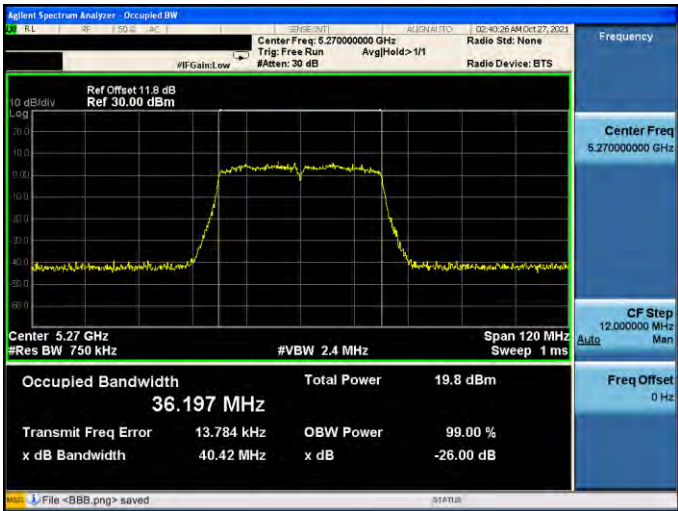
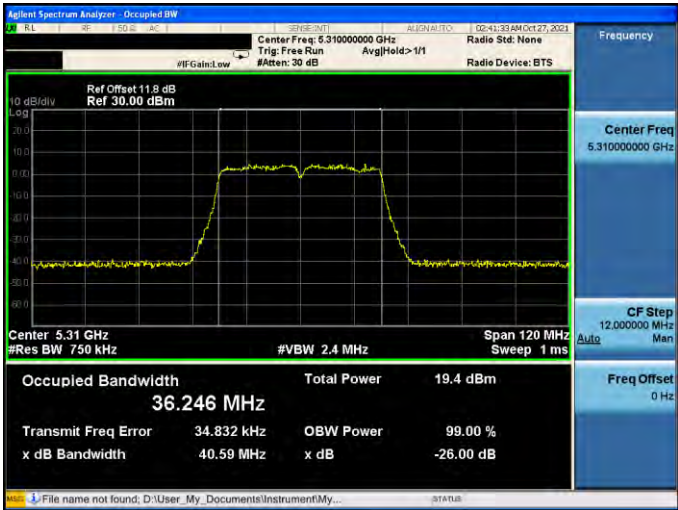
5290 MHz

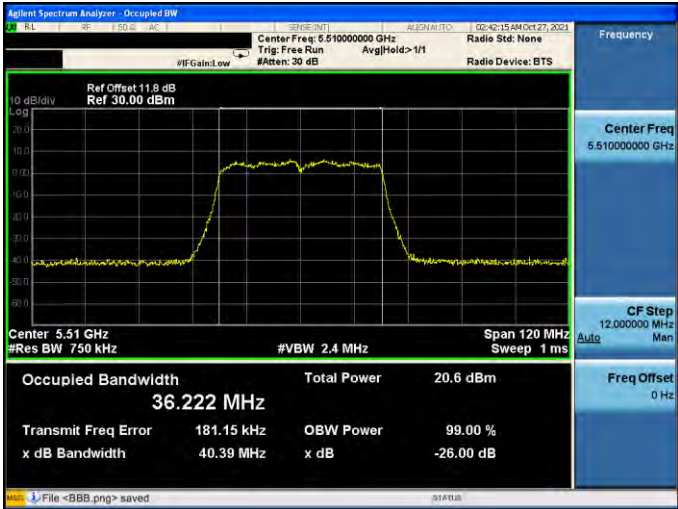
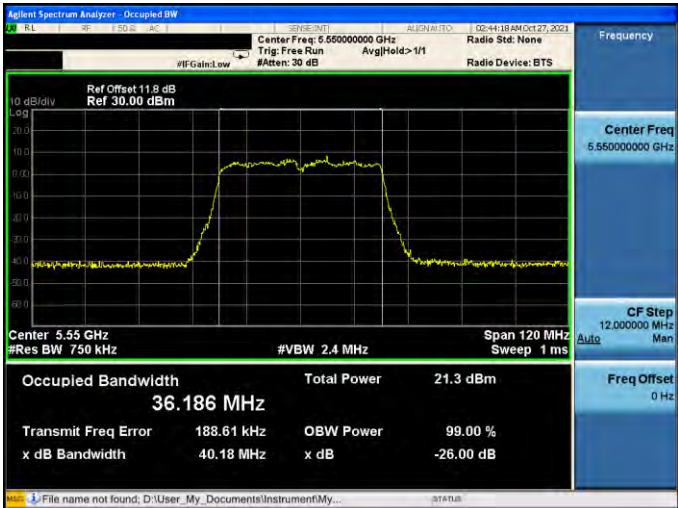
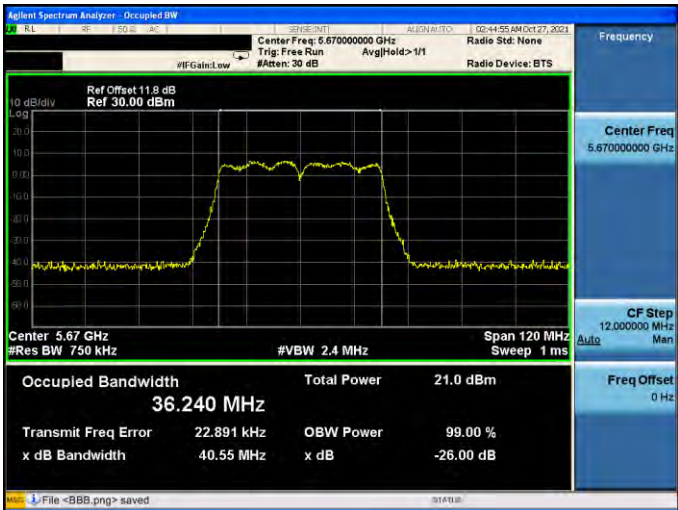




Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-3	
5260 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.26000000 GHz Ref Offset 11.8 dB Ref 30.00 dBm Occupied Bandwidth: 17.641 MHz Total Power: 18.0 dBm Transmit Freq Error: -9.161 kHz OBW Power: 99.00 % x dB Bandwidth: 20.39 MHz x dB: -26.00 dB
5280 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.28000000 GHz Ref Offset 11.8 dB Ref 30.00 dBm Occupied Bandwidth: 17.692 MHz Total Power: 18.1 dBm Transmit Freq Error: -5.621 kHz OBW Power: 99.00 % x dB Bandwidth: 20.31 MHz x dB: -26.00 dB
5320 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.32000000 GHz Ref Offset 11.8 dB Ref 30.00 dBm Occupied Bandwidth: 17.713 MHz Total Power: 17.8 dBm Transmit Freq Error: -3.291 kHz OBW Power: 99.00 % x dB Bandwidth: 20.39 MHz x dB: -26.00 dB

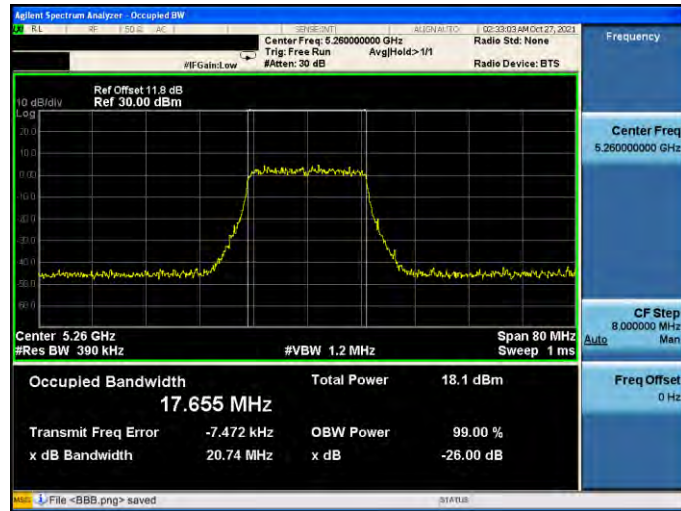
Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-3	
5500 MHz	 Occupied Bandwidth 17.696 MHz Total Power 19.8 dBm Transmit Freq Error 65.639 kHz x dB Bandwidth 20.33 MHz
5560 MHz	 Occupied Bandwidth 17.661 MHz Total Power 19.9 dBm Transmit Freq Error -30.472 kHz x dB Bandwidth 20.04 MHz
5700 MHz	 Occupied Bandwidth 17.740 MHz Total Power 18.4 dBm Transmit Freq Error 23.761 kHz x dB Bandwidth 20.81 MHz

Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-3	
5270 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.27000000 GHz Ref Offset 11.8 dB Ref 30.00 dBm Center 5.27 GHz #Res BW 750 kHz #VBW 2.4 MHz Span 120 MHz Sweep 1 ms Occupied Bandwidth 36.197 MHz Total Power 19.8 dBm Transmit Freq Error 13.784 kHz OBW Power 99.00 % x dB Bandwidth 40.42 MHz x dB -26.00 dB File <BBB.png> saved
5310 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.31000000 GHz Ref Offset 11.8 dB Ref 30.00 dBm Center 5.31 GHz #Res BW 750 kHz #VBW 2.4 MHz Span 120 MHz Sweep 1 ms Occupied Bandwidth 36.246 MHz Total Power 19.4 dBm Transmit Freq Error 34.832 kHz OBW Power 99.00 % x dB Bandwidth 40.59 MHz x dB -26.00 dB File name not found, D:\User_My_Documents\InstrumentMy...

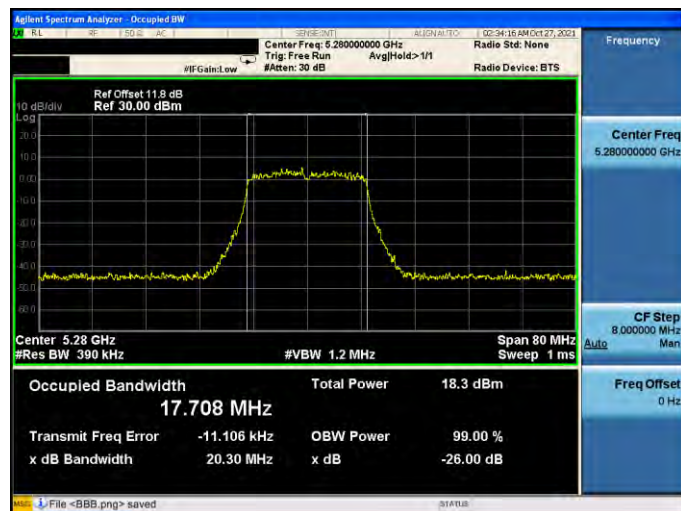
Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-3	
5510 MHz	 Occupied Bandwidth 36.222 MHz Total Power 20.6 dBm Transmit Freq Error 181.15 kHz OBW Power 99.00 % x dB Bandwidth 40.39 MHz x dB -26.00 dB
5550 MHz	 Occupied Bandwidth 36.186 MHz Total Power 21.3 dBm Transmit Freq Error 188.61 kHz OBW Power 99.00 % x dB Bandwidth 40.18 MHz x dB -26.00 dB
5670 MHz	 Occupied Bandwidth 36.240 MHz Total Power 21.0 dBm Transmit Freq Error 22.891 kHz OBW Power 99.00 % x dB Bandwidth 40.55 MHz x dB -26.00 dB

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

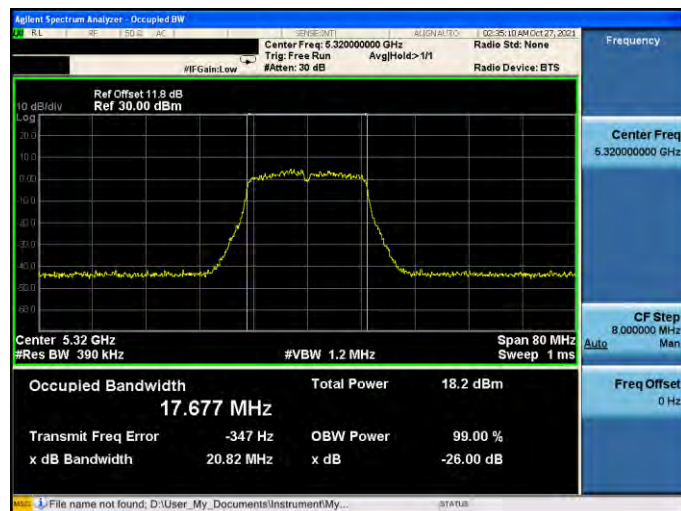
5260 MHz



5280 MHz

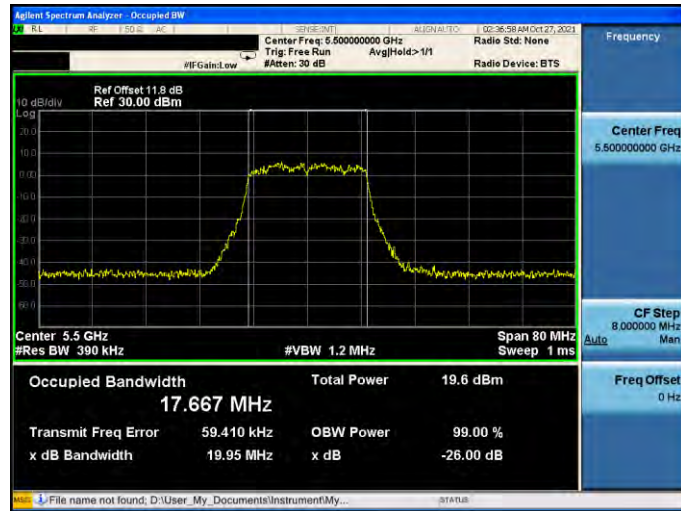


5320 MHz

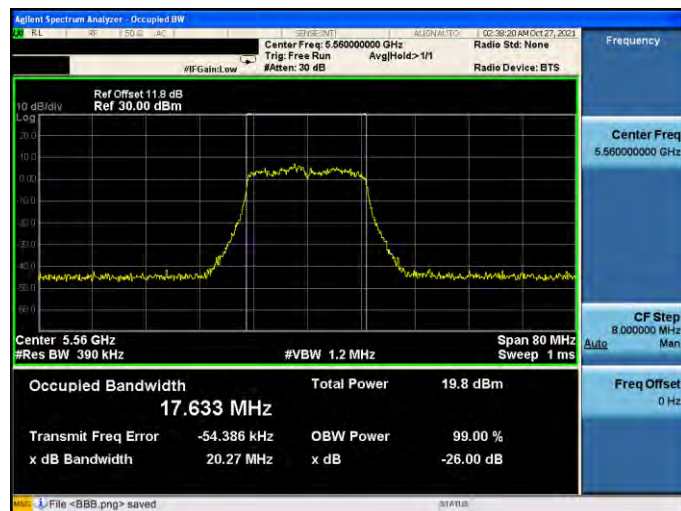


Mode 5: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-3

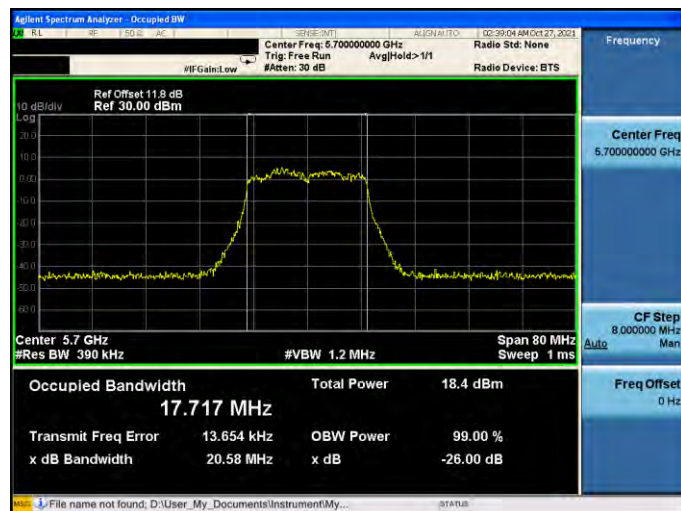
5500 MHz

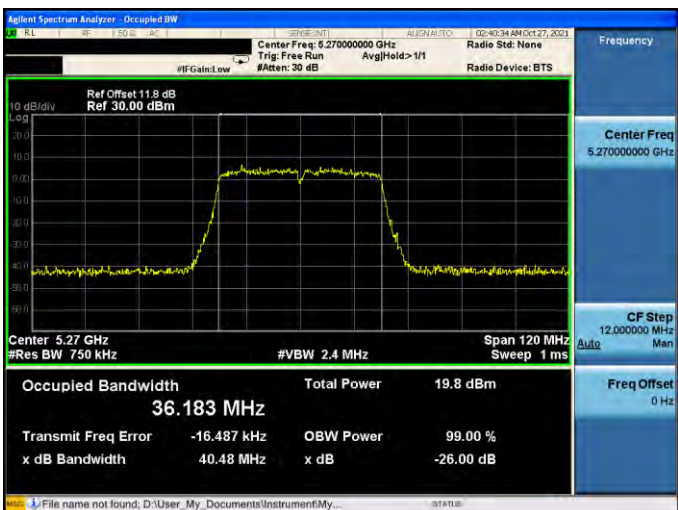
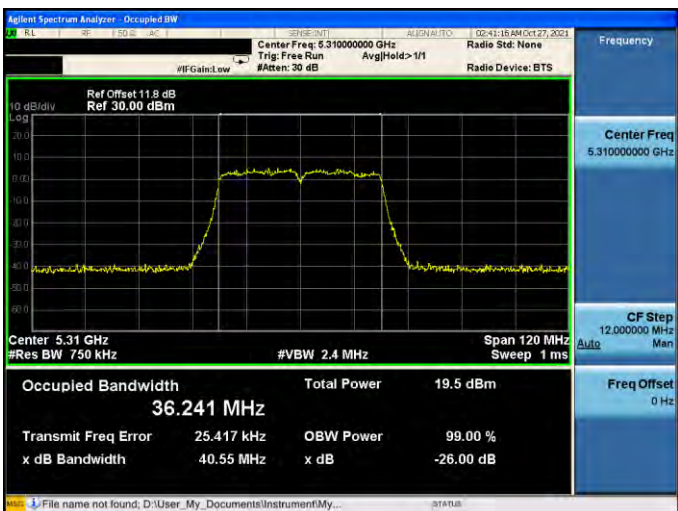


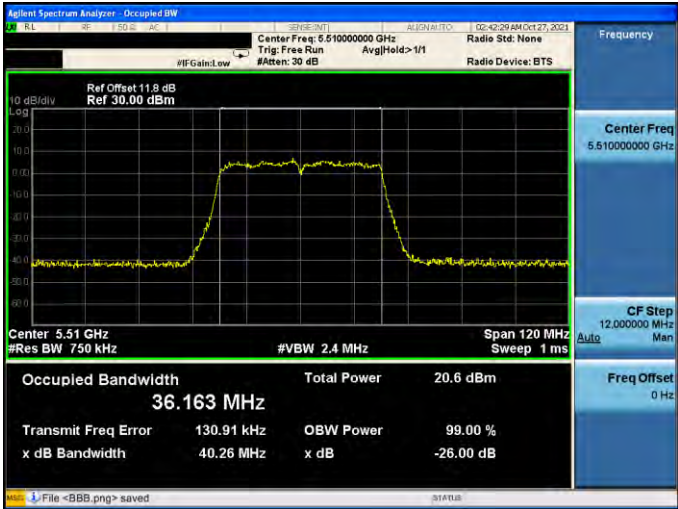
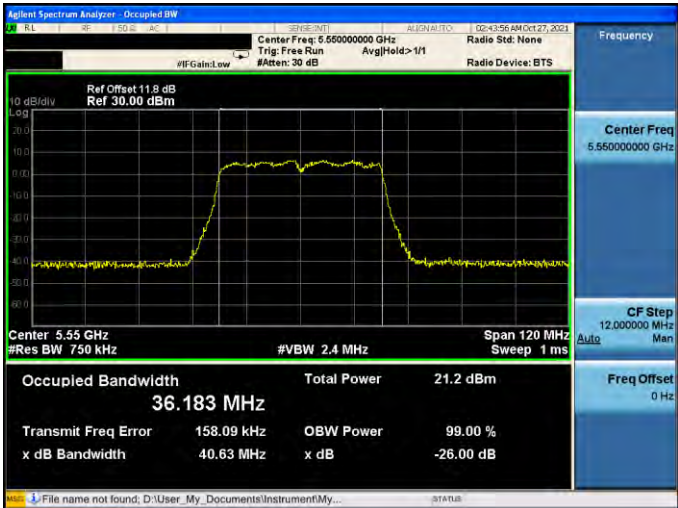
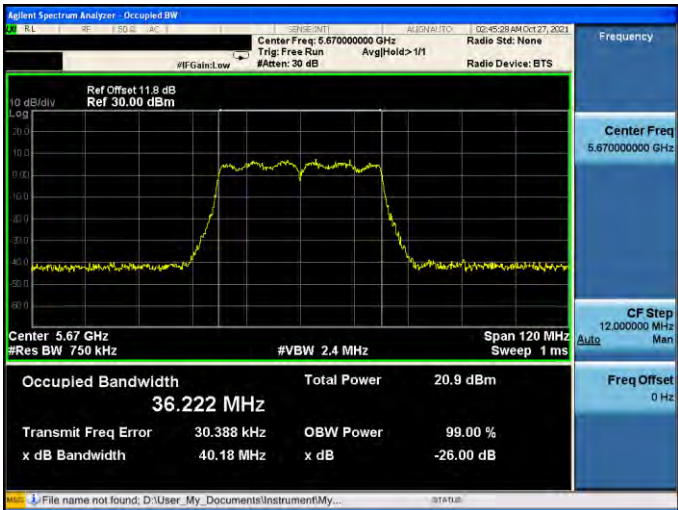
5560 MHz

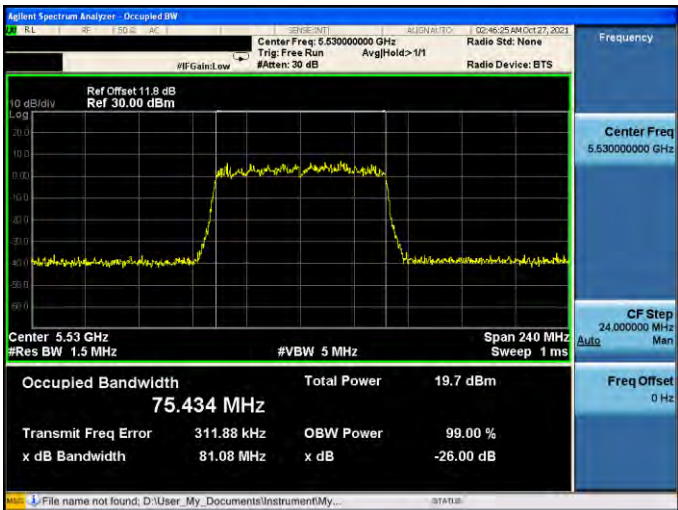


5700 MHz



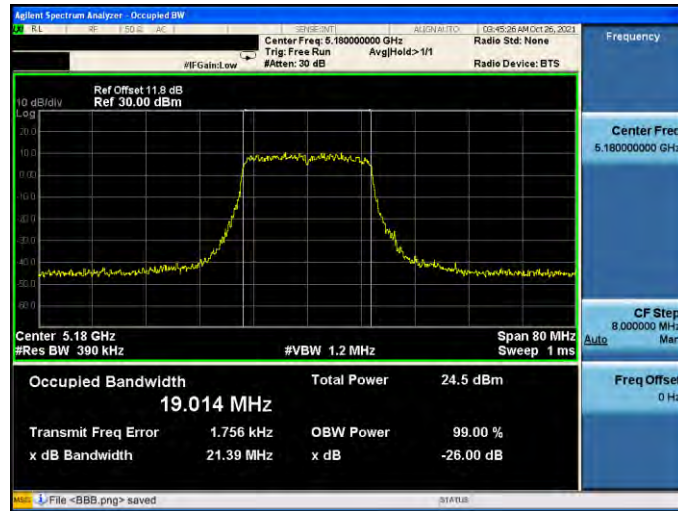
Mode 6: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-3	
5270 MHz	
5310 MHz	

Mode 6: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-3	
5510 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.51000000 GHz Span: 120 MHz Occupied Bandwidth: 36.163 MHz Total Power: 20.6 dBm Transmit Freq Error: 130.91 kHz OBW Power: 99.00 % x dB Bandwidth: 40.26 MHz x dB: -26.00 dB
5550 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.55000000 GHz Span: 120 MHz Occupied Bandwidth: 36.183 MHz Total Power: 21.2 dBm Transmit Freq Error: 158.09 kHz OBW Power: 99.00 % x dB Bandwidth: 40.63 MHz x dB: -26.00 dB
5670 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.67000000 GHz Span: 120 MHz Occupied Bandwidth: 36.222 MHz Total Power: 20.9 dBm Transmit Freq Error: 30.388 kHz OBW Power: 99.00 % x dB Bandwidth: 40.18 MHz x dB: -26.00 dB

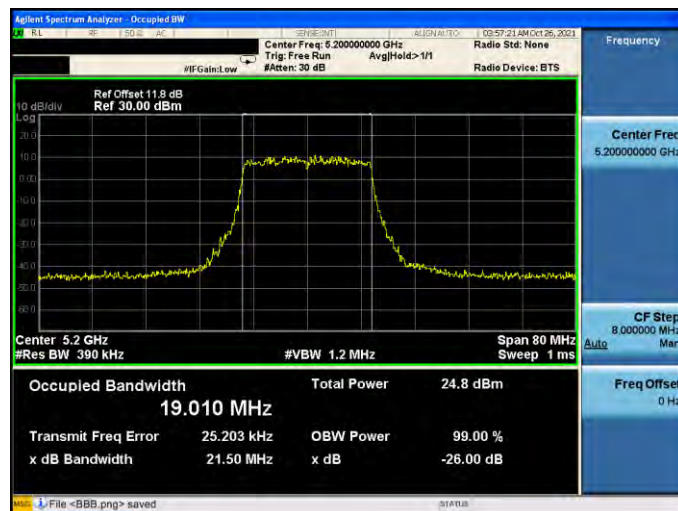
Mode 7: IEEE 802.11ac 80 MHz Continuous TX Mode_ANT-3	
5290 MHz	
5530 MHz	

Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-3

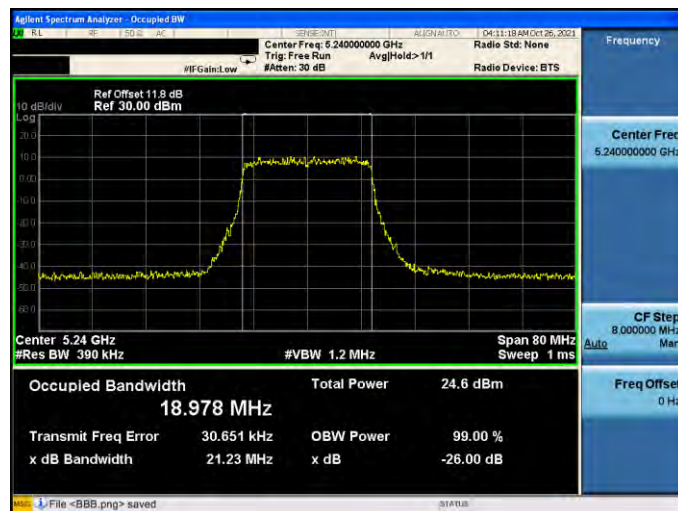
5180 MHz



5200 MHz

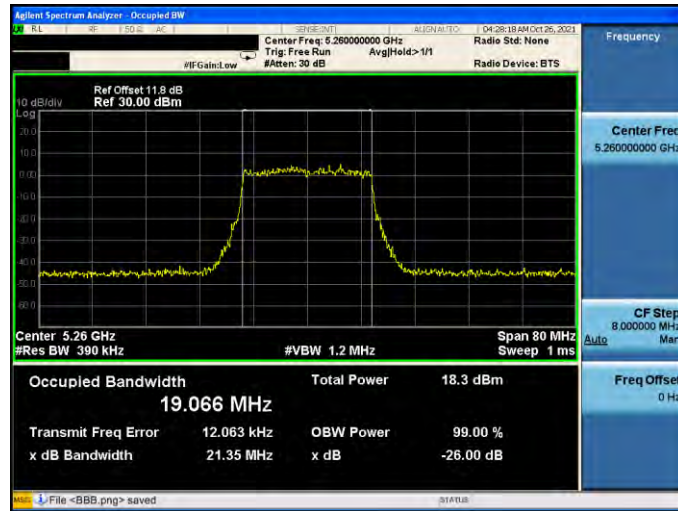


5240 MHz

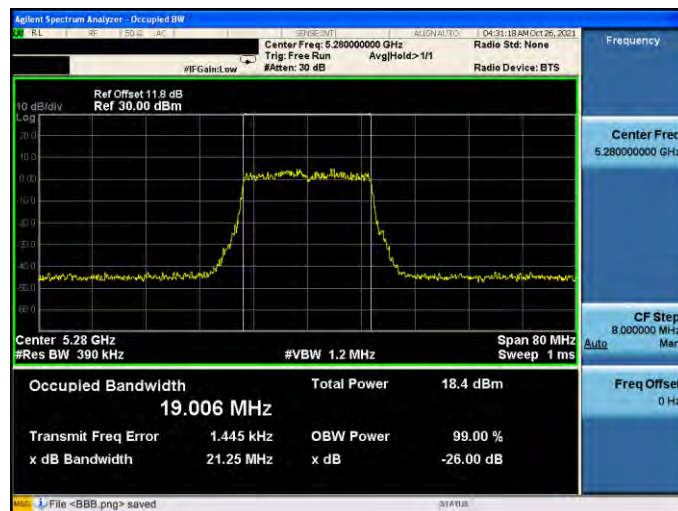


Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-3

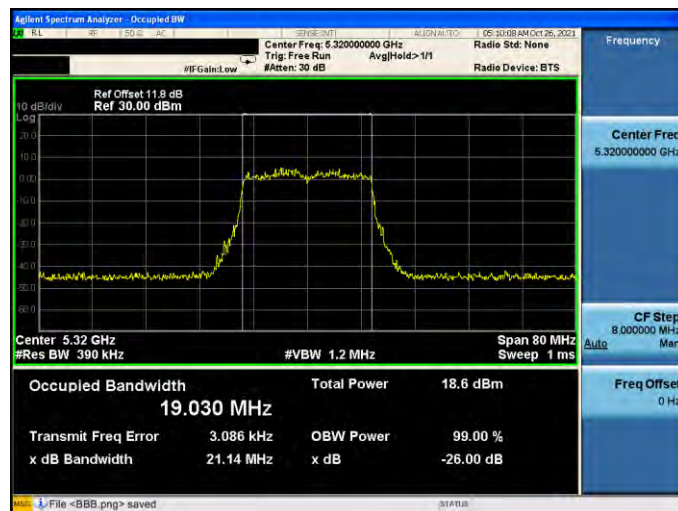
5260 MHz

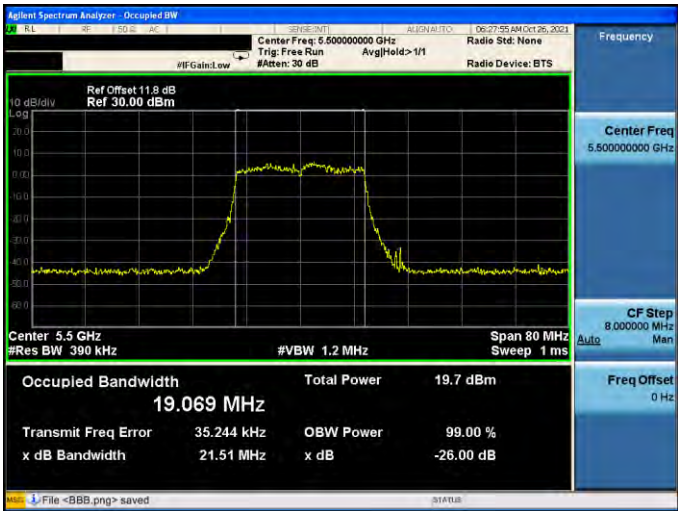
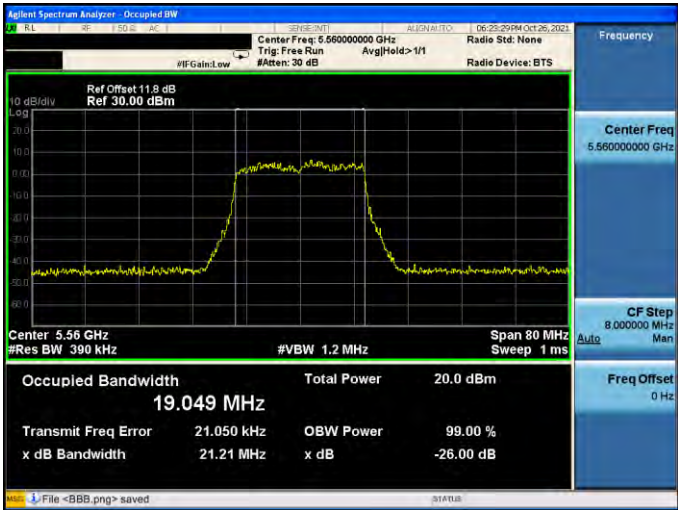
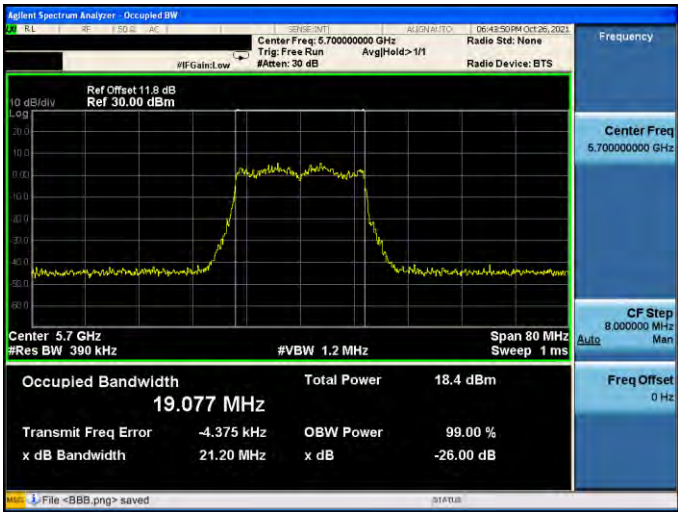


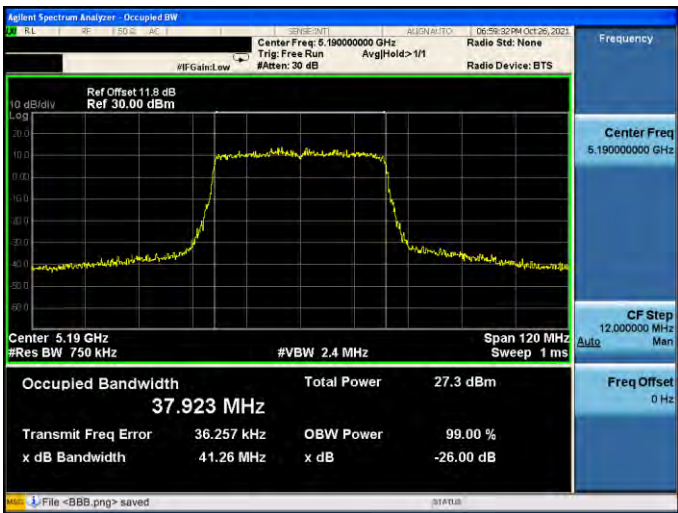
5280 MHz

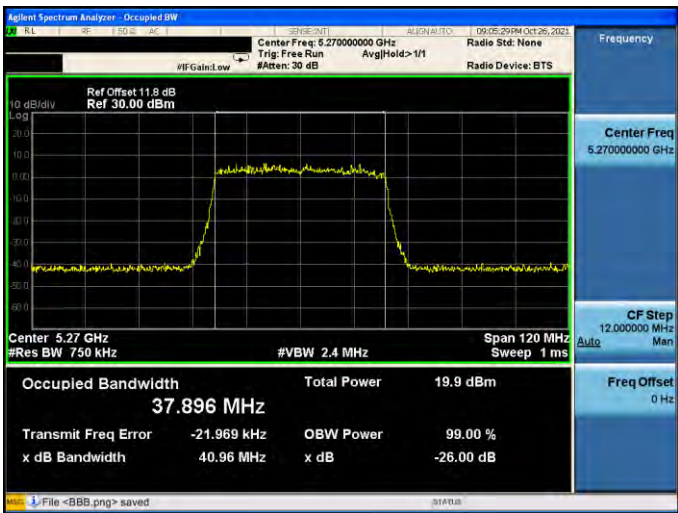
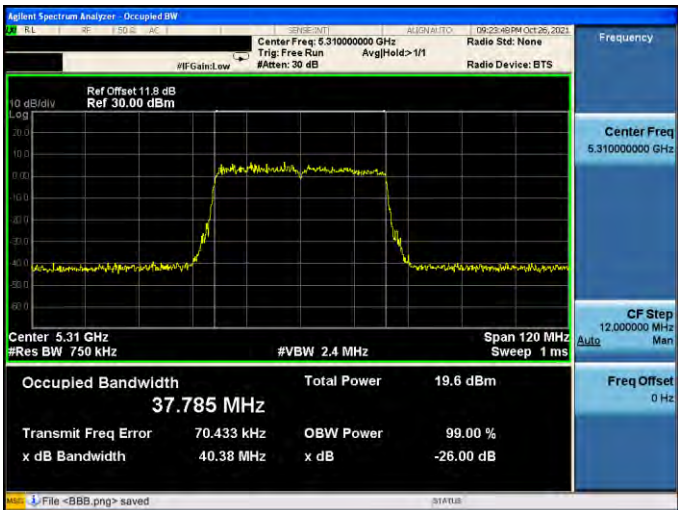


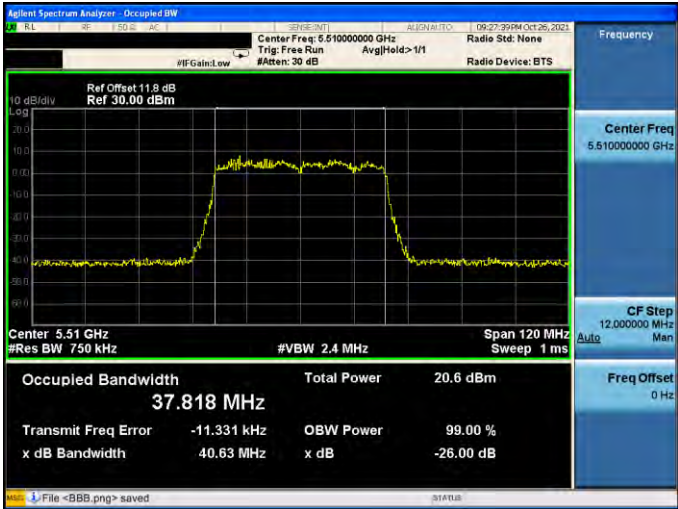
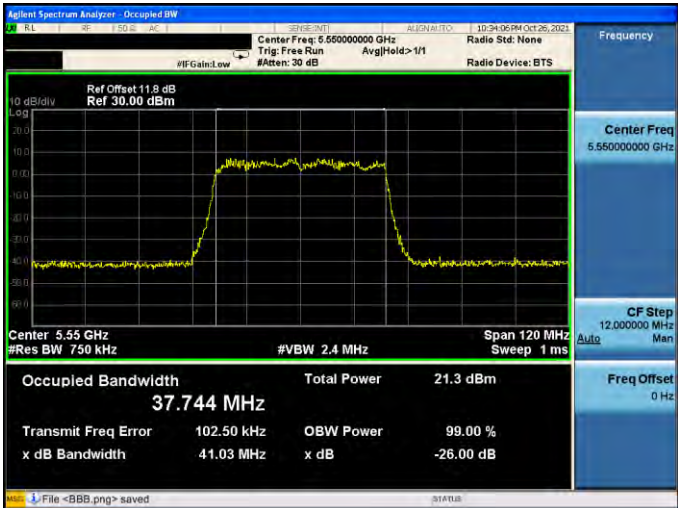
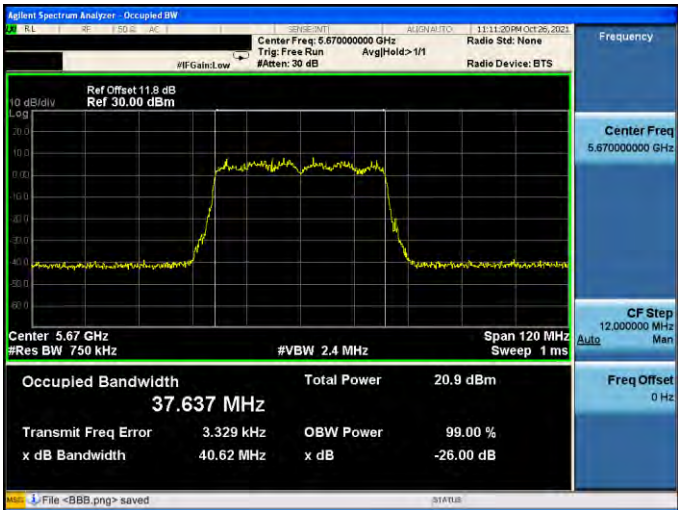
5320 MHz



Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-3	
5500 MHz	
5560 MHz	
5700 MHz	

Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-3	
5190 MHz	 Occupied Bandwidth 37.923 MHz Total Power 27.3 dBm Transmit Freq Error 36.257 kHz OBW Power 99.00 % x dB Bandwidth 41.26 MHz x dB -26.00 dB
5230 MHz	 Occupied Bandwidth 37.844 MHz Total Power 27.5 dBm Transmit Freq Error 34.198 kHz OBW Power 99.00 % x dB Bandwidth 41.46 MHz x dB -26.00 dB

Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-3	
5270 MHz	
5310 MHz	

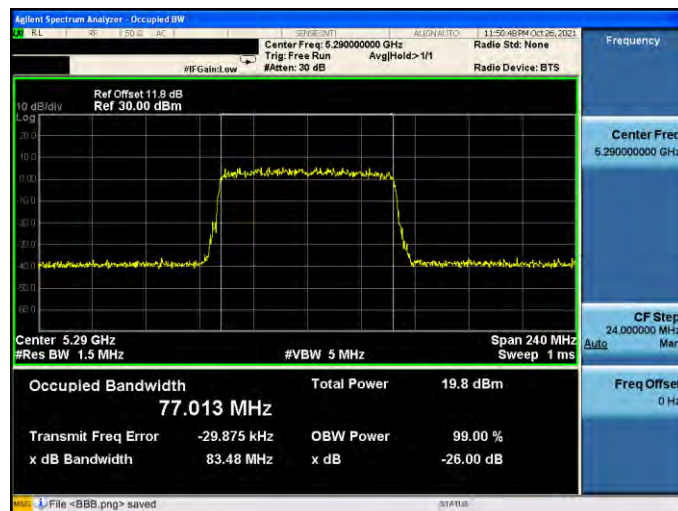
Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-3	
5510 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.51000000 GHz Ref Offset 11.8 dB Ref 30.00 dBm Occupied Bandwidth: 37.818 MHz Total Power: 20.6 dBm Transmit Freq Error: -11.331 kHz OBW Power: 99.00 % x dB Bandwidth: 40.63 MHz x dB: -26.00 dB
5550 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.55000000 GHz Ref Offset 11.8 dB Ref 30.00 dBm Occupied Bandwidth: 37.744 MHz Total Power: 21.3 dBm Transmit Freq Error: 102.50 kHz OBW Power: 99.00 % x dB Bandwidth: 41.03 MHz x dB: -26.00 dB
5670 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.67000000 GHz Ref Offset 11.8 dB Ref 30.00 dBm Occupied Bandwidth: 37.637 MHz Total Power: 20.9 dBm Transmit Freq Error: 3.329 kHz OBW Power: 99.00 % x dB Bandwidth: 40.62 MHz x dB: -26.00 dB

Mode 10: IEEE 802.11ax 80 MHz Continuous TX Mode_ANT-3

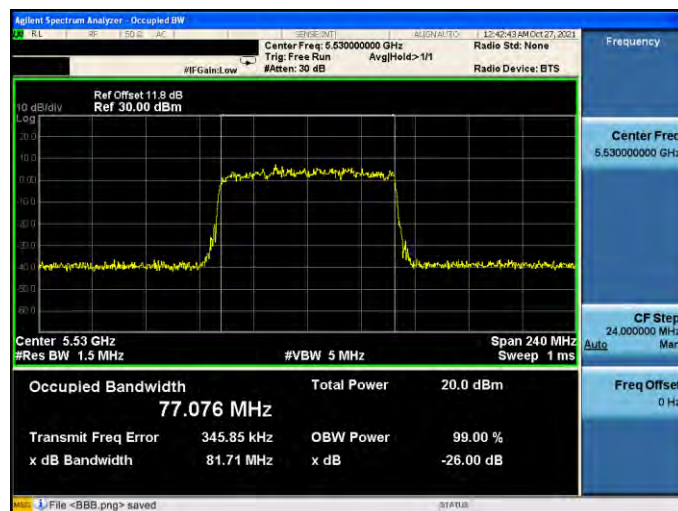
5210 MHz



5290 MHz



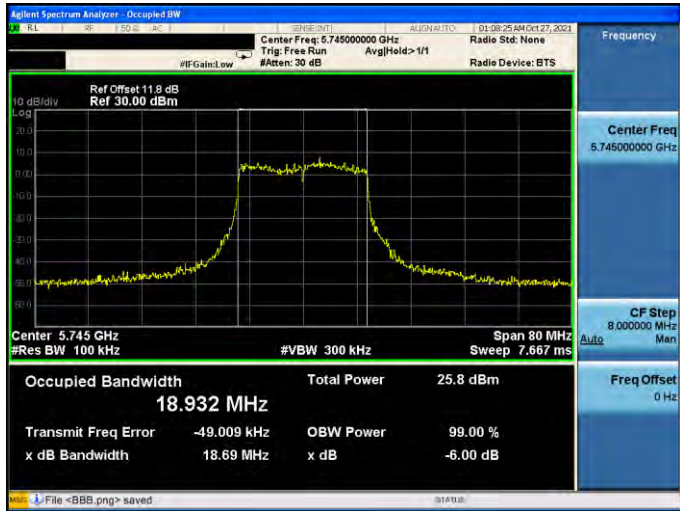
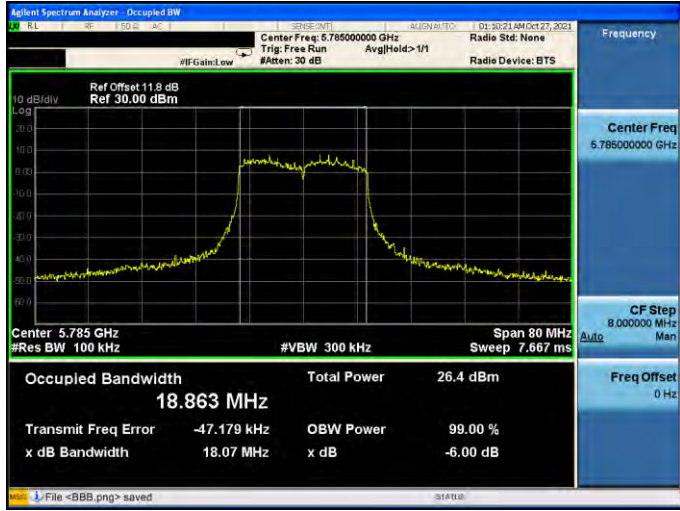
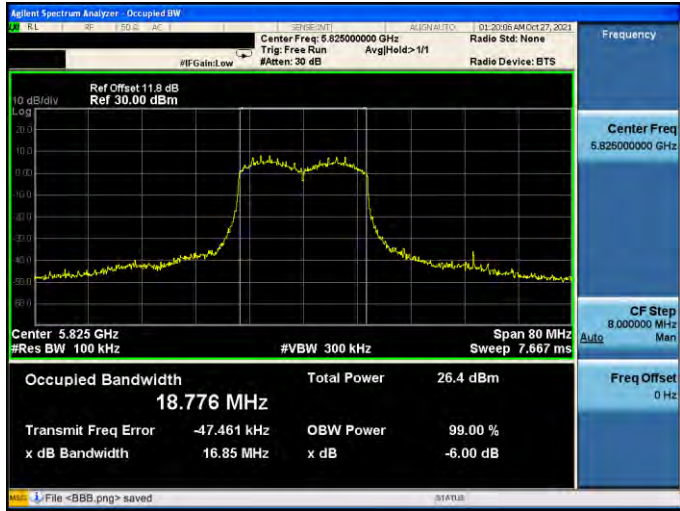
5530 MHz

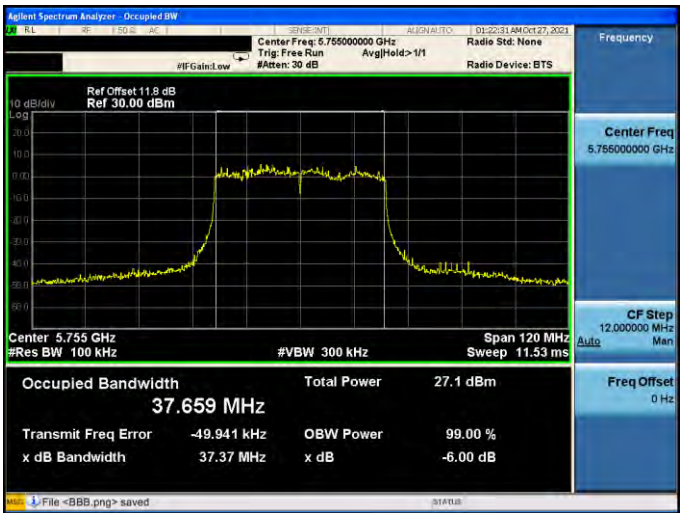


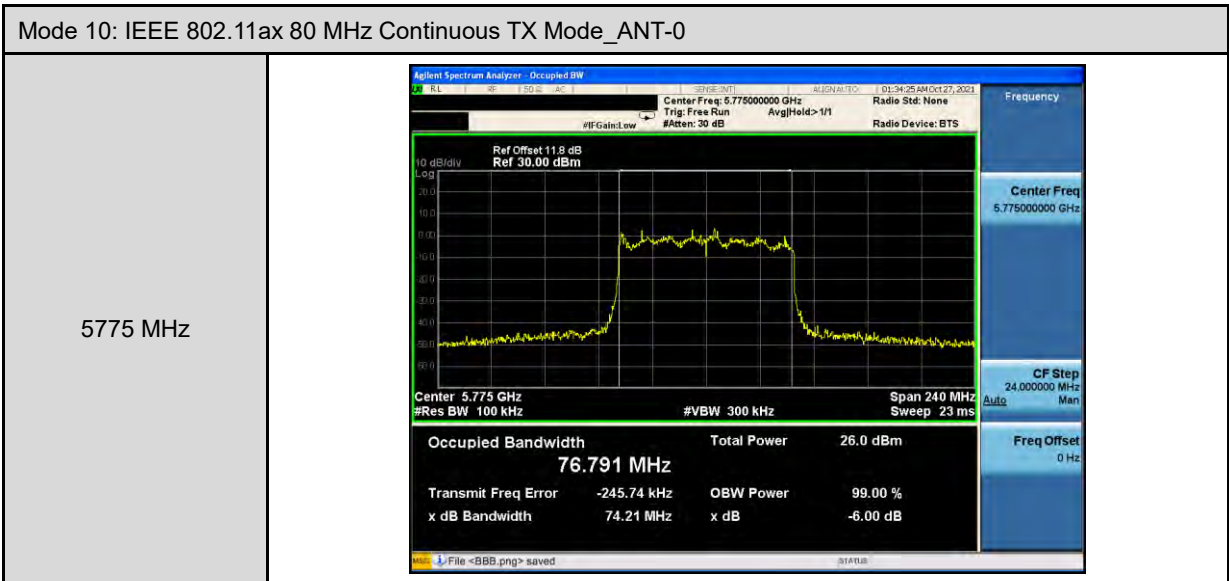
6 dB RF Bandwidth Measurement

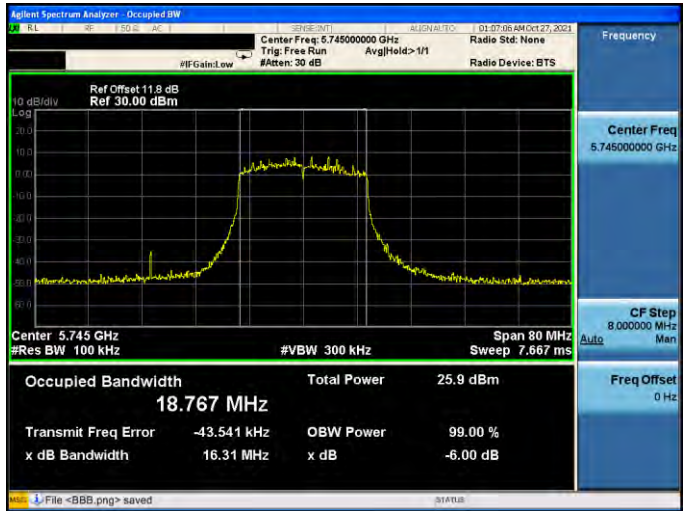
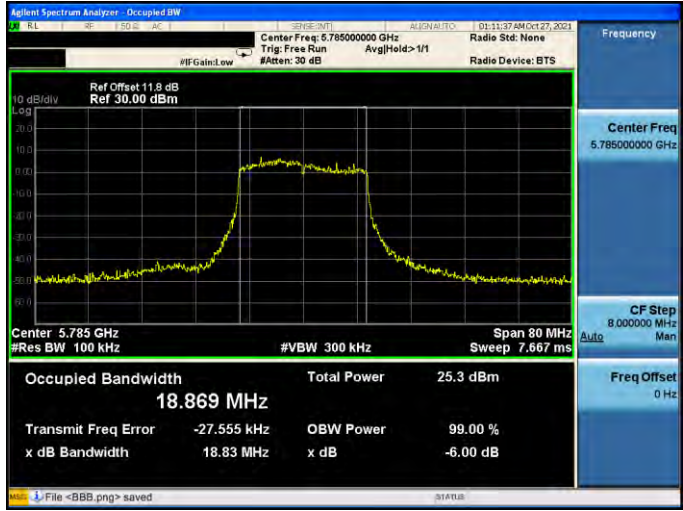
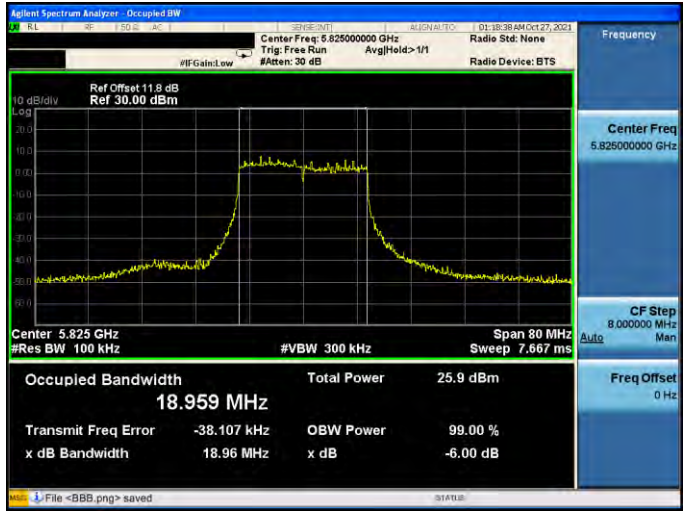
Test Mode	Frequency (MHz)	ANT-0	ANT-1	ANT-2	ANT-3	Limit (kHz)
		Measurement Results (kHz)	Measurement Results (kHz)	Measurement Results (kHz)	Measurement Results (kHz)	
Mode 8	5745	18690	16310	18030	18720	≥ 500
	5785	18070	18830	17270	18130	≥ 500
	5825	16850	18960	19040	18970	≥ 500
Mode 9	5755	37370	30930	35400	36840	≥ 500
	5795	36580	36410	34050	36330	≥ 500
Mode 10	5775	74210	75290	76390	75610	≥ 500

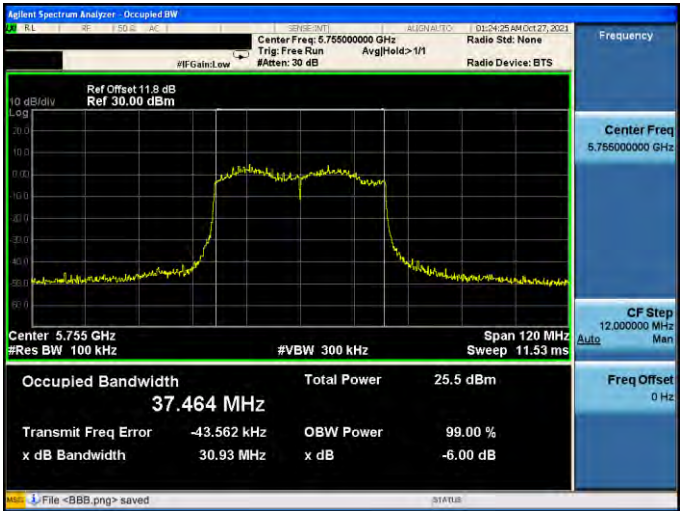
■ Test Graphs

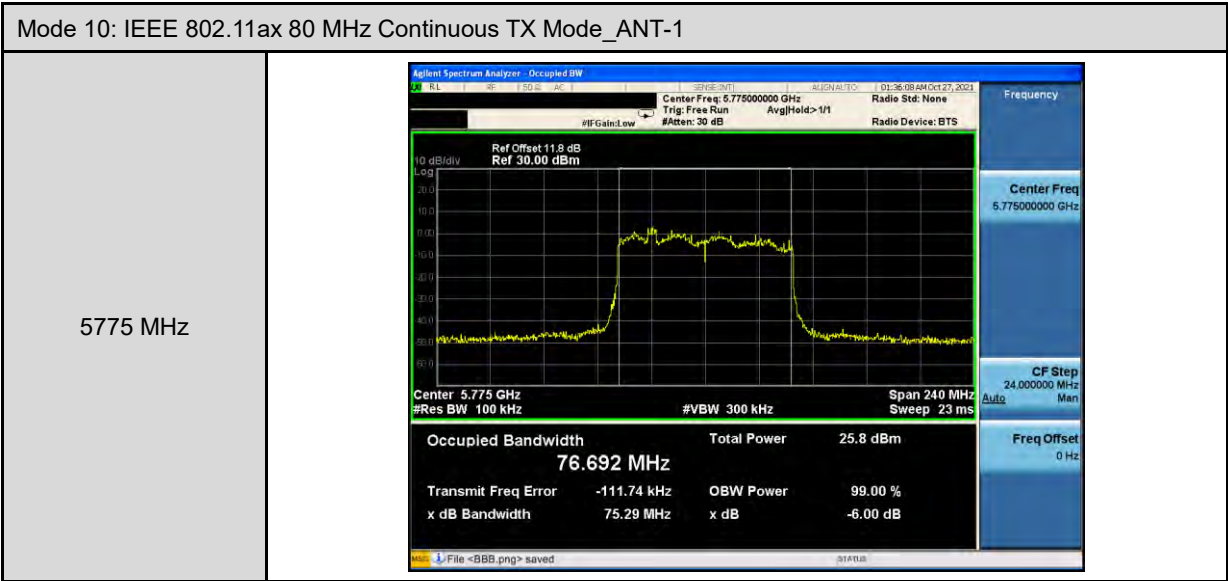
Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-0	
5745 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.74500000 GHz Trig: Free Run #IF Gain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.8 dB Ref 30.00 dBm Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 80 MHz Sweep 7.667 ms Occupied Bandwidth 18.932 MHz Total Power 25.8 dBm Transmit Freq Error -49.009 kHz OBW Power 99.00 % x dB Bandwidth 18.69 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 #IF Gain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.8 dB Ref 30.00 dBm Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz Span 80 MHz Sweep 7.667 ms Occupied Bandwidth 18.863 MHz Total Power 26.4 dBm Transmit Freq Error -47.179 kHz OBW Power 99.00 % x dB Bandwidth 18.07 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 #IF Gain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.8 dB Ref 30.00 dBm Center 5.825 GHz #Res BW 100 kHz #VBW 300 kHz Span 80 MHz Sweep 7.667 ms Occupied Bandwidth 18.776 MHz Total Power 26.4 dBm Transmit Freq Error -47.461 kHz OBW Power 99.00 % x dB Bandwidth 16.85 MHz x dB -6.00 dB File <BBB.png> saved

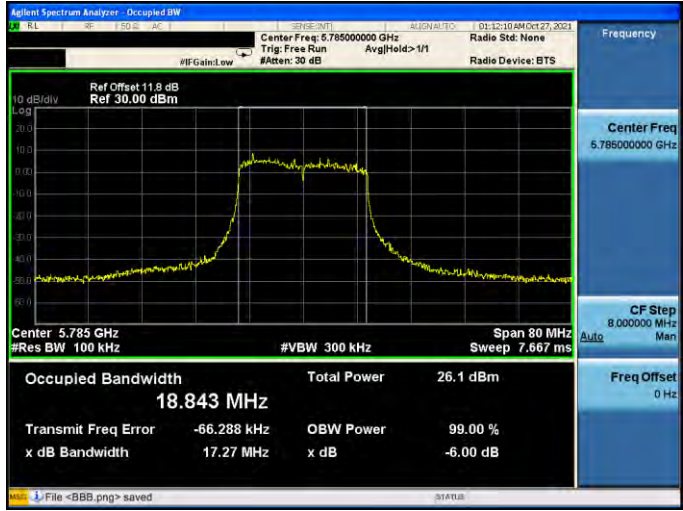
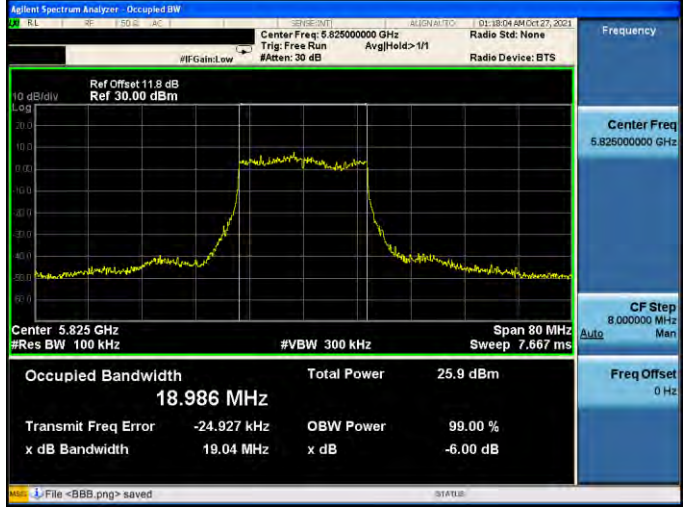
Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-0	
5755 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.75500000 GHz Trig: Free Run #IF Gain: Low #Atten: 30 dB Radio Std: None Radio Device: BTS Ref Offset 11.8 dB Ref 30.00 dBm Center 5.755 GHz #Res BW 100 kHz #VBW 300 kHz Span 120 MHz Sweep 11.53 ms Occupied Bandwidth 37.659 MHz Total Power 27.1 dBm Transmit Freq Error -49.941 kHz OBW Power 99.00 % x dB Bandwidth 37.37 MHz x dB -6.00 dB File <BBB.png> saved
5795 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.79500000 GHz Trig: Free Run #IF Gain: Low #Atten: 30 dB Radio Std: None Radio Device: BTS Ref Offset 11.8 dB Ref 30.00 dBm Center 5.795 GHz #Res BW 100 kHz #VBW 300 kHz Span 120 MHz Sweep 11.53 ms Occupied Bandwidth 37.584 MHz Total Power 26.3 dBm Transmit Freq Error -114.79 kHz OBW Power 99.00 % x dB Bandwidth 36.58 MHz x dB -6.00 dB File <BBB.png> saved

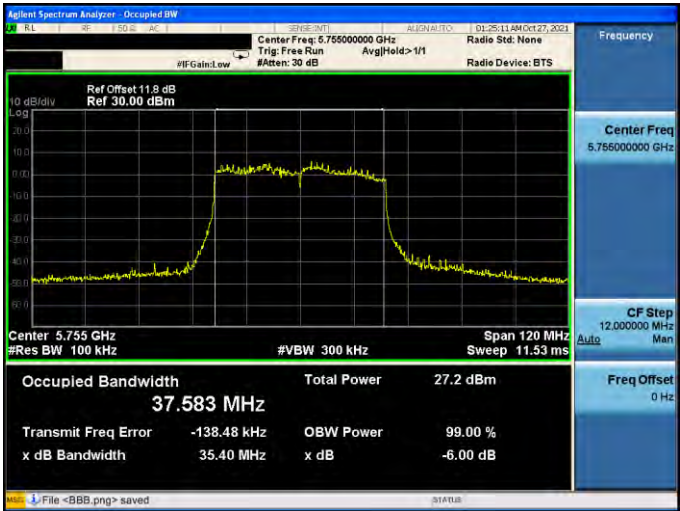


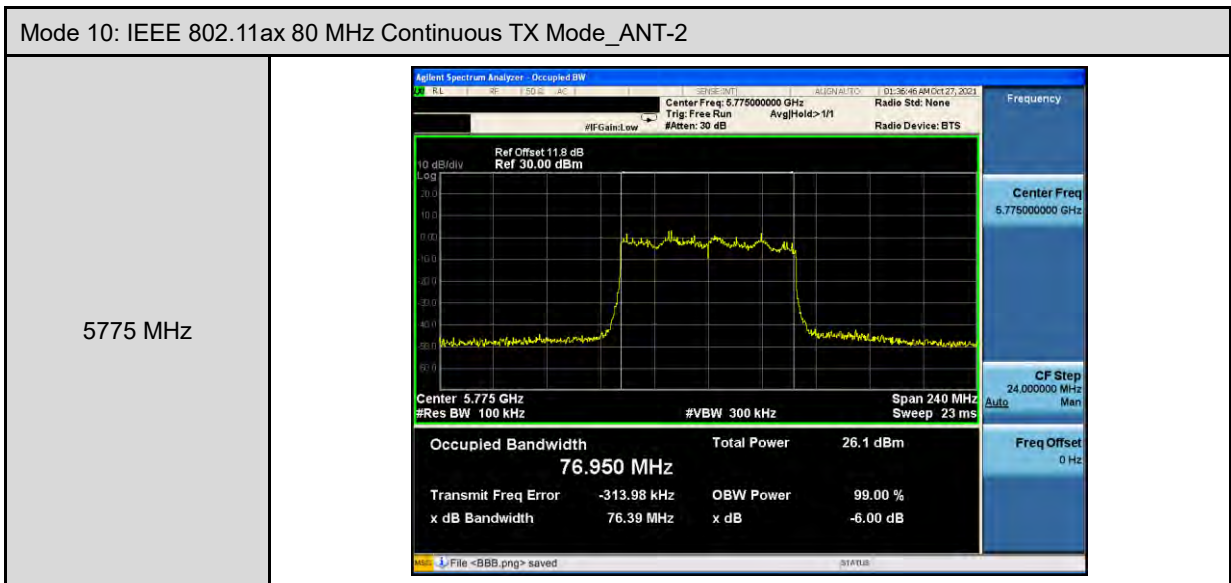
Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-1	
5745 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.74500000 GHz Trig: Free Run #IF Gain: Low #Atten: 30 dB Radio Std: None Radio Device: BTS Ref Offset 11.8 dB Ref 30.00 dBm Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 80 MHz Sweep 7.667 ms Occupied Bandwidth 18.767 MHz Total Power 25.9 dBm Transmit Freq Error -43.541 kHz OBW Power 99.00 % x dB Bandwidth 16.31 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 Radio Std: None Radio Device: BTS Ref Offset 11.8 dB Ref 30.00 dBm Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz Span 80 MHz Sweep 7.667 ms Occupied Bandwidth 18.869 MHz Total Power 25.3 dBm Transmit Freq Error -27.555 kHz OBW Power 99.00 % x dB Bandwidth 18.83 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 11.8 dB Ref 30.00 dBm Center 5.825 GHz #Res BW 100 kHz #VBW 300 kHz Span 80 MHz Sweep 7.667 ms Occupied Bandwidth 18.959 MHz Total Power 25.9 dBm Transmit Freq Error -38.107 kHz OBW Power 99.00 % x dB Bandwidth 18.96 MHz x dB -6.00 dB File <BBB.png> saved

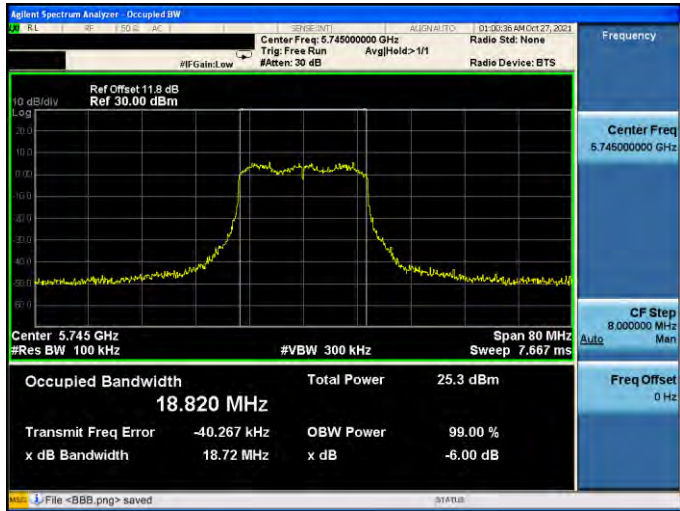
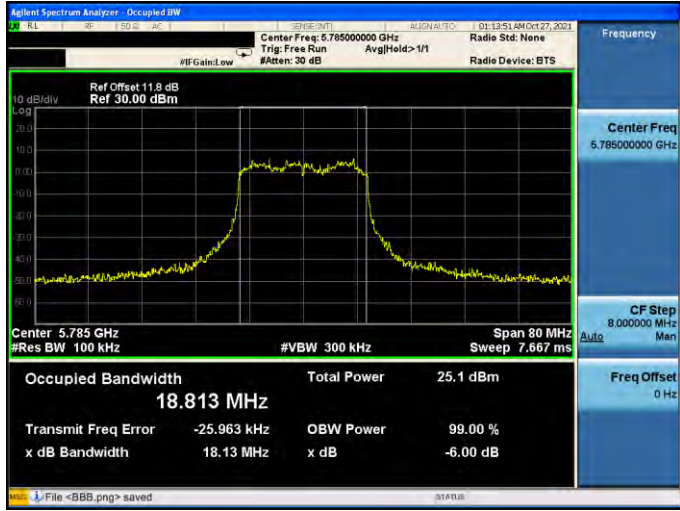
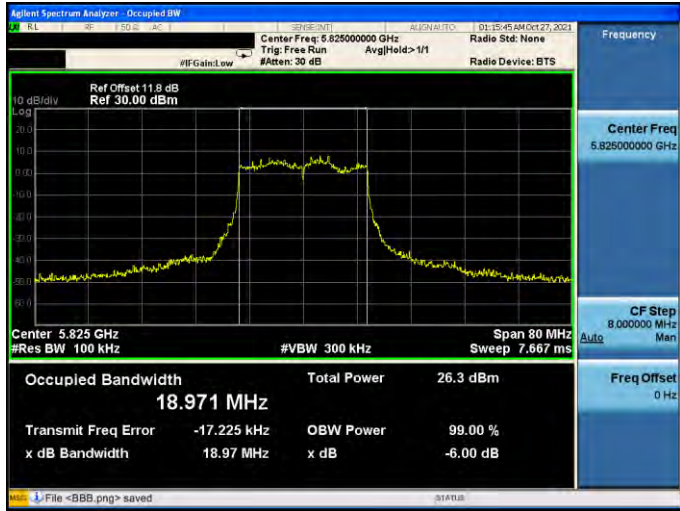
Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-1	
5755 MHz	 Occupied Bandwidth 37.464 MHz Total Power: 25.5 dBm Transmit Freq Error: -43.562 kHz x dB Bandwidth: 30.93 MHz OBW Power: 99.00 % x dB: -6.00 dB
5795 MHz	 Occupied Bandwidth 37.613 MHz Total Power: 25.8 dBm Transmit Freq Error: -58.670 kHz x dB Bandwidth: 36.41 MHz OBW Power: 99.00 % x dB: -6.00 dB

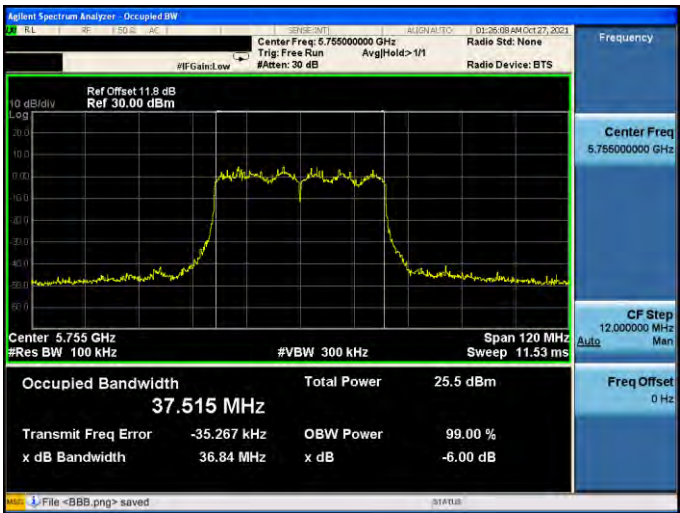
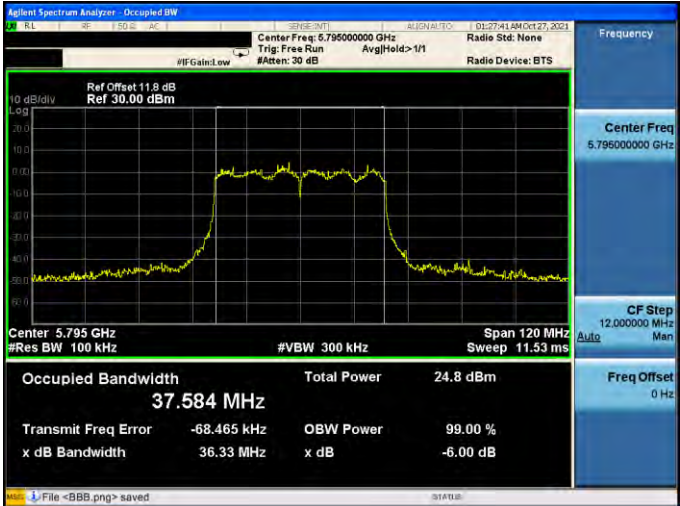


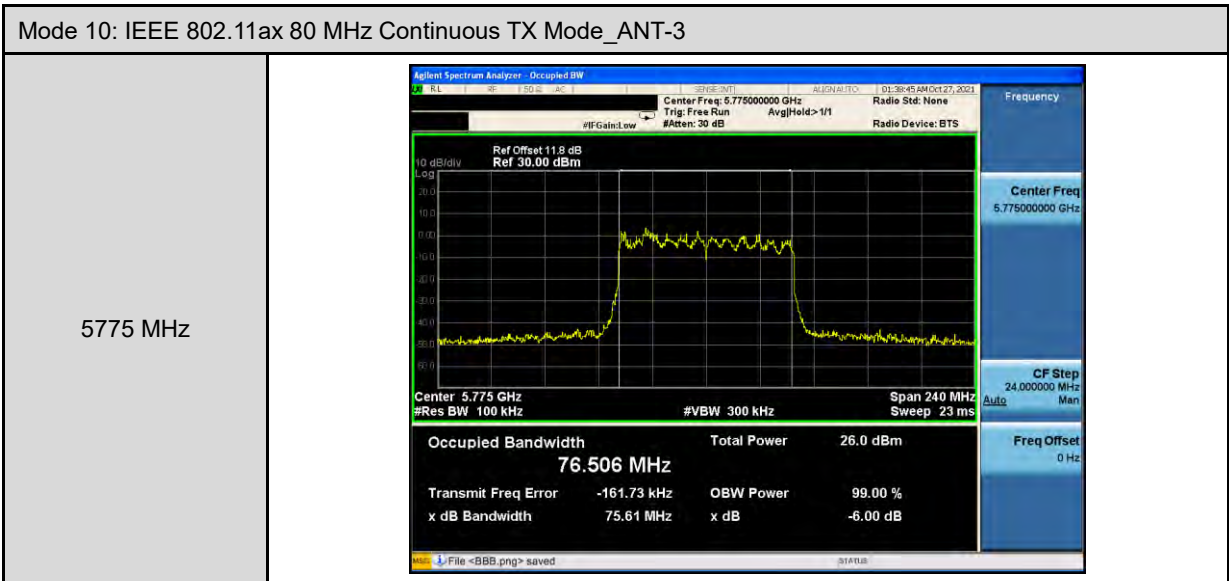
Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-2	
5745 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.745000000 GHz Span 80 MHz Res BW 100 kHz #VBW 300 kHz Sweep 7.667 ms Ref Offset 11.8 dB Ref 30.00 dBm Total Power 25.9 dBm Occupied Bandwidth 18.851 MHz Transmit Freq Error 6.551 kHz x dB Bandwidth 18.03 MHz OBW Power 99.00 % x dB -6.00 dB
5785 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.785000000 GHz Span 80 MHz Res BW 100 kHz #VBW 300 kHz Sweep 7.667 ms Ref Offset 11.8 dB Ref 30.00 dBm Total Power 26.1 dBm Occupied Bandwidth 18.843 MHz Transmit Freq Error -66.288 kHz x dB Bandwidth 17.27 MHz OBW Power 99.00 % x dB -6.00 dB
5825 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.825000000 GHz Span 80 MHz Res BW 100 kHz #VBW 300 kHz Sweep 7.667 ms Ref Offset 11.8 dB Ref 30.00 dBm Total Power 25.9 dBm Occupied Bandwidth 18.986 MHz Transmit Freq Error -24.927 kHz x dB Bandwidth 19.04 MHz OBW Power 99.00 % x dB -6.00 dB

Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-2	
5755 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.75500000 GHz Trig: Free Run #IF Gain: Low #Atten: 30 dB Radio Std: None Radio Device: BTS Ref Offset 11.8 dB Ref 30.00 dBm Center 5.755 GHz Res BW 100 kHz Span 120 MHz Sweep 11.53 ms Occupied Bandwidth 37.583 MHz Total Power 27.2 dBm Transmit Freq Error -138.48 kHz OBW Power 99.00 % x dB Bandwidth 35.40 MHz x dB -6.00 dB File <BBB.png> saved
5795 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.79500000 GHz Trig: Free Run #IF Gain: Low #Atten: 30 dB Radio Std: None Radio Device: BTS Ref Offset 11.8 dB Ref 30.00 dBm Center 5.795 GHz Res BW 100 kHz Span 120 MHz Sweep 11.53 ms Occupied Bandwidth 37.601 MHz Total Power 26.1 dBm Transmit Freq Error -152.29 kHz OBW Power 99.00 % x dB Bandwidth 34.05 MHz x dB -6.00 dB File <BBB.png> saved



Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-3	
5745 MHz	 Center Freq 5.74500000 GHz CF Step 8.000000 MHz Freq Offset 0 Hz Occupied Bandwidth 18.820 MHz Total Power 25.3 dBm Transmit Freq Error -40.267 kHz OBW Power 99.00 % x dB Bandwidth 18.72 MHz
5785 MHz	 Center Freq 5.78500000 GHz CF Step 8.000000 MHz Freq Offset 0 Hz Occupied Bandwidth 18.813 MHz Total Power 25.1 dBm Transmit Freq Error -25.963 kHz OBW Power 99.00 % x dB Bandwidth 18.13 MHz
5825 MHz	 Center Freq 5.82500000 GHz CF Step 8.000000 MHz Freq Offset 0 Hz Occupied Bandwidth 18.971 MHz Total Power 26.3 dBm Transmit Freq Error -17.225 kHz OBW Power 99.00 % x dB Bandwidth 18.97 MHz

Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-3	
5755 MHz	
5795 MHz	



Maximum Power Spectral Density Measurement

	Frequency (MHz)	ANT-0			ANT-1			Limit (dBm/MHz)
		Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	
Mode 8	5180	5.207	0.280	5.487	5.128	0.280	5.408	≤ 11.68
	5200	5.170	0.280	5.450	5.013	0.280	5.293	≤ 11.68
	5240	5.103	0.280	5.383	5.150	0.280	5.430	≤ 11.68
	5260	-0.971	0.280	-0.691	-1.302	0.280	-1.022	≤ 5.72
	5280	-0.676	0.280	-0.396	-0.603	0.280	-0.323	≤ 5.72
	5320	-1.090	0.280	-0.810	-1.041	0.280	-0.761	≤ 5.72
	5500	-0.196	0.280	0.084	-0.311	0.280	-0.031	≤ 6.33
	5560	-0.194	0.280	0.086	-0.171	0.280	0.109	≤ 6.33
	5700	-0.464	0.280	-0.184	-0.428	0.280	-0.148	≤ 6.33

	Frequency (MHz)	ANT-2			ANT-3			Limit (dBm/MHz)
		Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	
Mode 8	5180	5.158	0.280	5.438	5.297	0.280	5.577	≤ 11.68
	5200	5.426	0.280	5.706	5.321	0.280	5.601	≤ 11.68
	5240	5.088	0.280	5.368	5.272	0.280	5.552	≤ 11.68
	5260	-0.962	0.280	-0.682	-1.086	0.280	-0.806	≤ 5.72
	5280	-0.720	0.280	-0.440	-0.510	0.280	-0.230	≤ 5.72
	5320	-1.131	0.280	-0.851	-1.282	0.280	-1.002	≤ 5.72
	5500	-0.784	0.280	-0.504	-0.290	0.280	-0.010	≤ 6.33
	5560	-0.284	0.280	-0.004	-0.032	0.280	0.248	≤ 6.33
	5700	-0.157	0.280	0.123	-0.433	0.280	-0.153	≤ 6.33

	Frequency (MHz)	ANT-0+1+2+3	Limit (dBm/MHz)
		(dBm/MHz)	
Mode 8	5180	11.499	≤ 11.68
	5200	11.536	≤ 11.68
	5240	11.455	≤ 11.68
	5260	5.223	≤ 5.72
	5280	5.674	≤ 5.72
	5320	5.166	≤ 5.72
	5500	5.912	≤ 6.33
	5560	6.132	≤ 6.33
	5700	5.932	≤ 6.33

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

Mode 8	Frequency (MHz)	ANT-0			ANT-1			Limit (dBm/500 kHz)
		Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	
	5745	-2.319	0.280	4.951	-2.582	0.280	4.688	≤ 24.95
	5785	-2.305	0.280	4.965	-3.331	0.280	3.939	≤ 24.95
	5825	-2.567	0.280	4.703	-3.063	0.280	4.207	≤ 24.95

Mode 8	Frequency (MHz)	ANT-2			ANT-3			Limit (dBm/500 kHz)
		Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	
	5745	-3.159	0.280	4.111	-3.159	0.280	4.111	≤ 24.95
	5785	-2.708	0.280	4.562	-2.564	0.280	4.706	≤ 24.95
	5825	-2.694	0.280	4.576	-2.523	0.280	4.747	≤ 24.95

Mode 8	Frequency (MHz)	ANT-0+1+2+3	Limit
		Calculated (dBm/500 kHz)	(dBm/500 kHz)
	5745	10.501	≤ 24.95
	5785	10.580	≤ 24.95
	5825	10.584	≤ 24.95

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)

	Frequency (MHz)	ANT-0			ANT-1			Limit (dBm/MHz)
		Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	
Mode 9	5190	4.984	0.324	5.308	4.927	0.324	5.251	≤ 11.68
	5230	4.618	0.324	4.942	4.476	0.324	4.800	≤ 11.68
	5270	-2.606	0.324	-2.282	-3.179	0.324	-2.855	≤ 5.72
	5310	-2.546	0.324	-2.222	-2.626	0.324	-2.302	≤ 5.72
	5510	-1.896	0.324	-1.572	-2.490	0.324	-2.166	≤ 5.72
	5550	-1.465	0.324	-1.141	-1.589	0.324	-1.265	≤ 6.33
	5670	-0.640	0.324	-0.316	-0.881	0.324	-0.557	≤ 6.33

	Frequency (MHz)	ANT-2			ANT-3			Limit (dBm/MHz)
		Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	
Mode 9	5190	4.701	0.324	5.025	4.766	0.324	5.090	≤ 11.68
	5230	4.847	0.324	5.171	4.635	0.324	4.959	≤ 11.68
	5270	-2.318	0.324	-1.994	-2.656	0.324	-2.332	≤ 5.72
	5310	-2.317	0.324	-1.993	-2.786	0.324	-2.462	≤ 5.72
	5510	-2.158	0.324	-1.834	-2.319	0.324	-1.995	≤ 5.72
	5550	-0.922	0.324	-0.598	-1.790	0.324	-1.466	≤ 6.33
	5670	-0.418	0.324	-0.094	-1.058	0.324	-0.734	≤ 6.33

Mode 9	Frequency (MHz)	ANT-0+1+2+3	Limit
		(dBm/MHz)	(dBm/MHz)
	5190	11.190	≤ 11.68
	5230	10.990	≤ 11.68
	5270	3.665	≤ 5.72
	5310	3.779	≤ 5.72
	5510	4.134	≤ 5.72
	5550	4.915	≤ 6.33
	5670	5.602	≤ 6.33

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

Mode 9	Frequency (MHz)	ANT-0			ANT-1			Limit (dBm/500 kHz)
		Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	
	5755	-4.726	0.324	2.587	-5.064	0.324	2.249	≤ 24.95
	5795	-4.984	0.324	2.329	-5.243	0.324	2.070	≤ 24.95

Mode 9	Frequency (MHz)	ANT-2			ANT-3			Limit (dBm/500 kHz)
		Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	
	5755	-4.469	0.324	2.844	-5.605	0.324	1.708	≤ 24.95
	5795	-5.089	0.324	2.224	-5.532	0.324	1.781	≤ 24.95

Mode 9	Frequency (MHz)	ANT-0+1+2+3	Limit
		Calculated (dBm/500 kHz)	(dBm/500 kHz)
	5755	8.388	≤ 24.95
	5795	8.127	≤ 24.95

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)

Mode 10	Frequency (MHz)	ANT-0			ANT-1			Limit (dBm/MHz)
		Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	
	5210.0	-0.041	0.349	0.308	-0.145	0.349	0.204	≤ 11.68
	5290.0	-5.428	0.349	-5.079	-4.912	0.349	-4.563	≤ 5.72
	5530.0	-4.012	0.349	-3.663	-4.319	0.349	-3.970	≤ 6.33

Mode 10	Frequency (MHz)	ANT-2			ANT-3			Limit (dBm/MHz)
		Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	
	5210.0	0.054	0.349	0.403	-0.284	0.349	0.065	≤ 11.68
	5290.0	-4.938	0.349	-4.589	-5.587	0.349	-5.238	≤ 5.72
	5530.0	-4.048	0.349	-3.699	-4.191	0.349	-3.842	≤ 6.33

Mode 10	Frequency (MHz)	ANT-0+1+2+3	Limit
		(dBm/MHz)	(dBm/MHz)
	5210.0	6.268	≤ 11.68
	5290.0	1.164	≤ 5.72
	5530.0	2.229	≤ 6.33

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

Mode 10	Frequency (MHz)	ANT-0			ANT-1			Limit
		Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	
	5775.0	-7.987	0.349	-0.648	-8.341	0.349	-1.002	≤ 24.95

Mode 10	Frequency (MHz)	ANT-2			ANT-3			Limit
		Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	
	5775.0	-7.782	0.349	-0.443	-8.876	0.349	-1.537	≤ 24.95

Mode 10	Frequency (MHz)	ANT-0+1+2+3		Limit
		(dBm/MHz)		(dBm/MHz)
	5775.0	5.132		≤ 24.95

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

■ Test Graphs

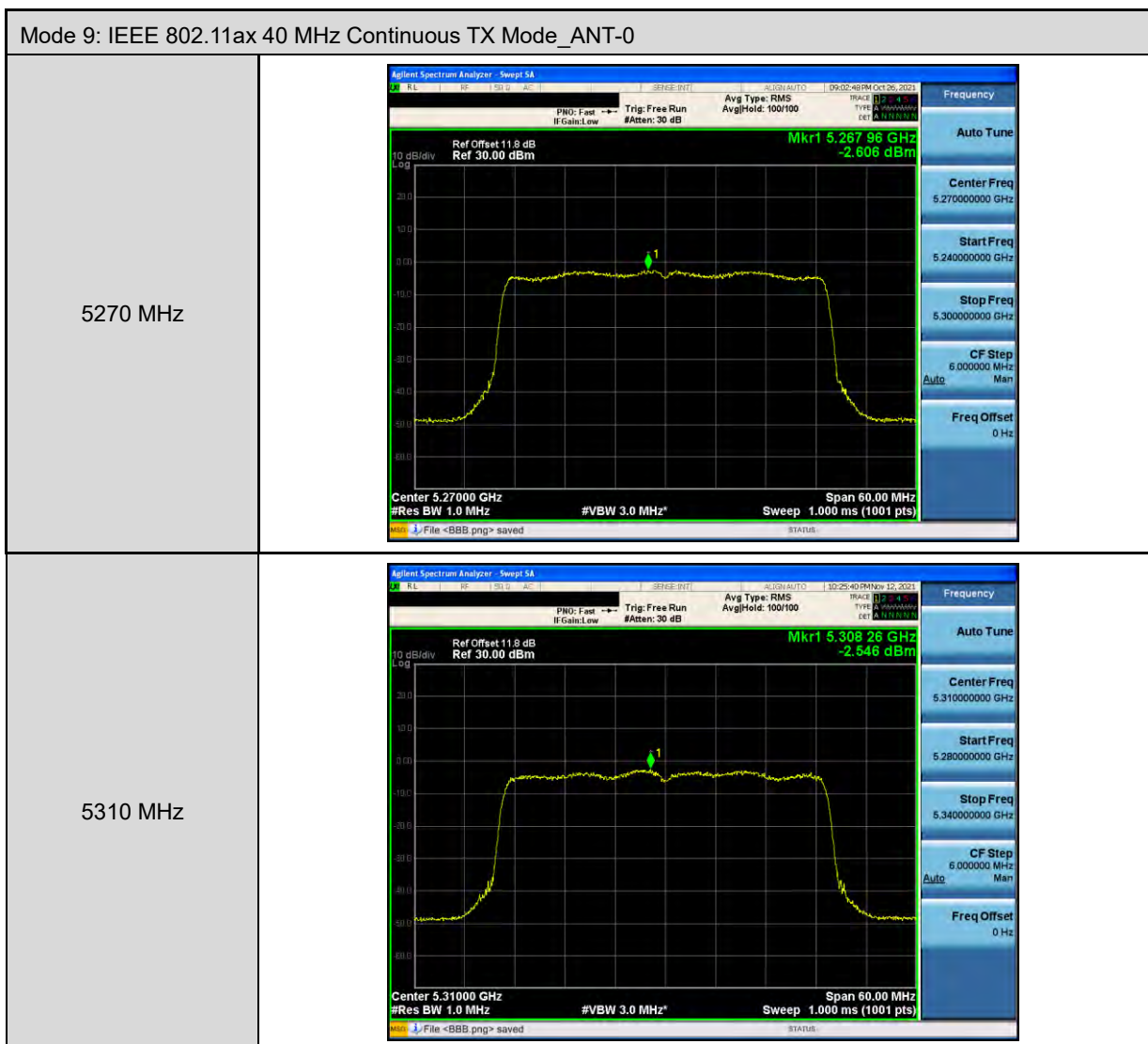
Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-0	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-0	
5260 MHz	
5280 MHz	
5320 MHz	

Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-0	
5500 MHz	
5560 MHz	
5700 MHz	

Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-0	
5745 MHz	
5785 MHz	
5825 MHz	





Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-0	
5510 MHz	
5550 MHz	
5670 MHz	



Mode 10: IEEE 802.11ax 80 MHz Continuous TX Mode_ANT-0

5210 MHz



5290 MHz

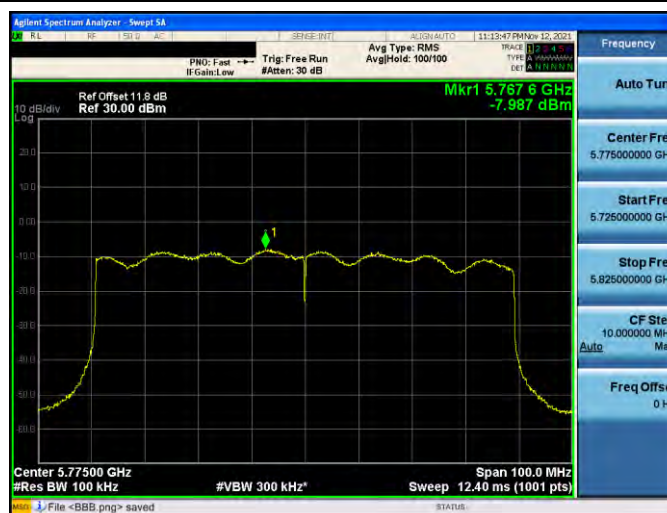


5530 MHz



Mode 10: IEEE 802.11ax 80 MHz Continuous TX Mode_ANT-0

5775 MHz



Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-1	
5260 MHz	
5280 MHz	
5320 MHz	

Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-1	
5500 MHz	
5560 MHz	
5700 MHz	

Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-1

5745 MHz

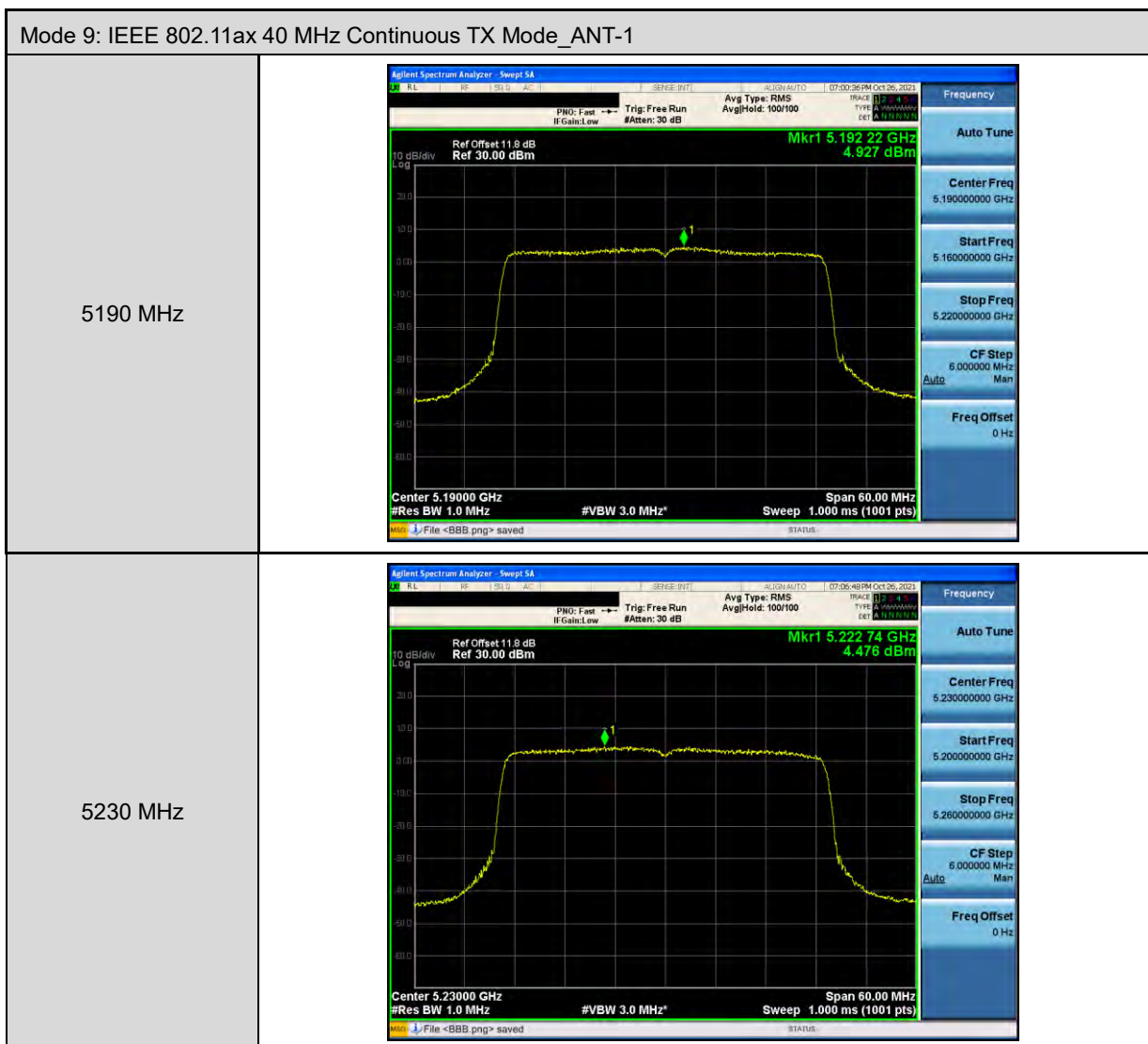


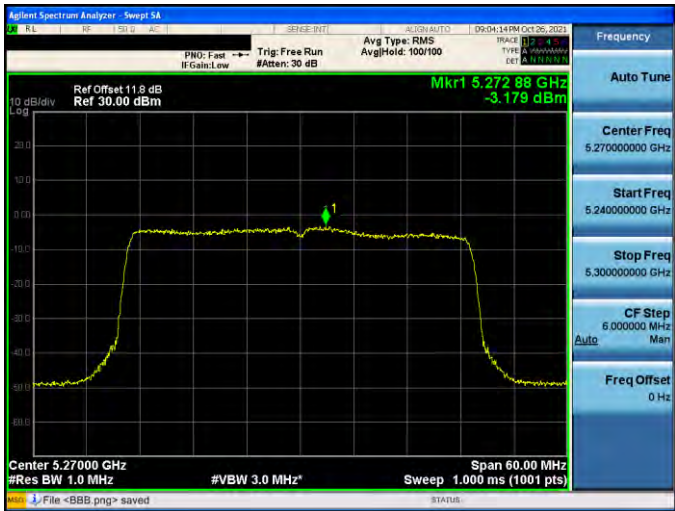
5785 MHz



5825 MHz





Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-1	
527 MHz	
5310 MHz	

Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-1	
5510 MHz	
5550 MHz	
5670 MHz	

Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-1	
5755 MHz	
5795 MHz	

Mode 10: IEEE 802.11ax 80 MHz Continuous TX Mode_ANT-1

5210 MHz

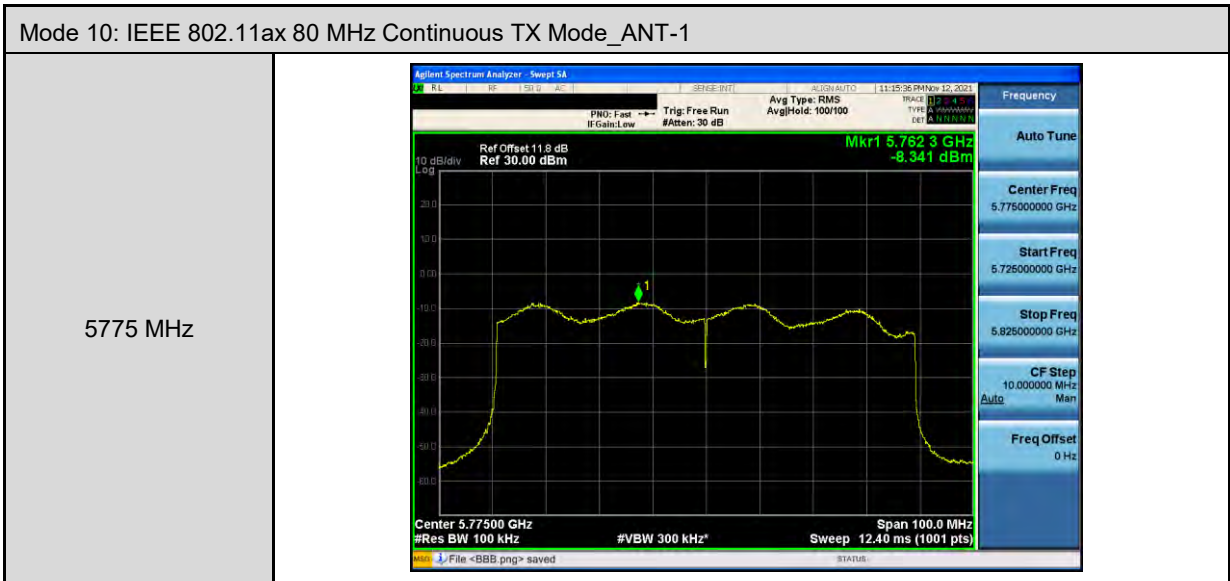


5290 MHz



5530 MHz





Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-2

5180 MHz



5200 MHz

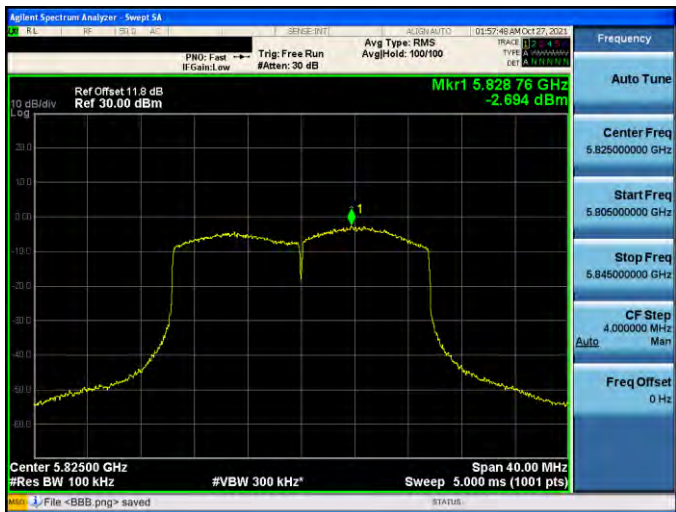


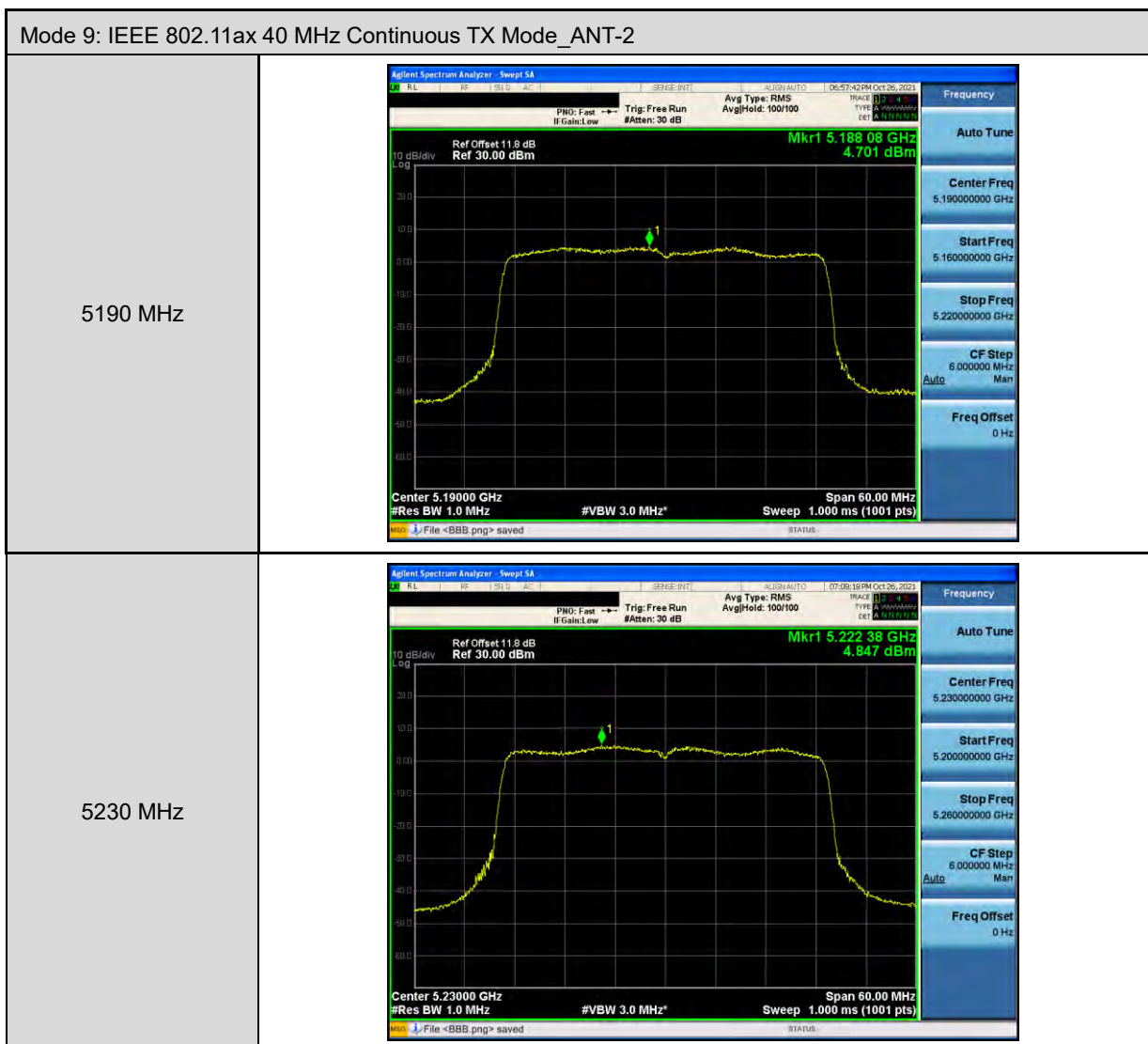
5240 MHz

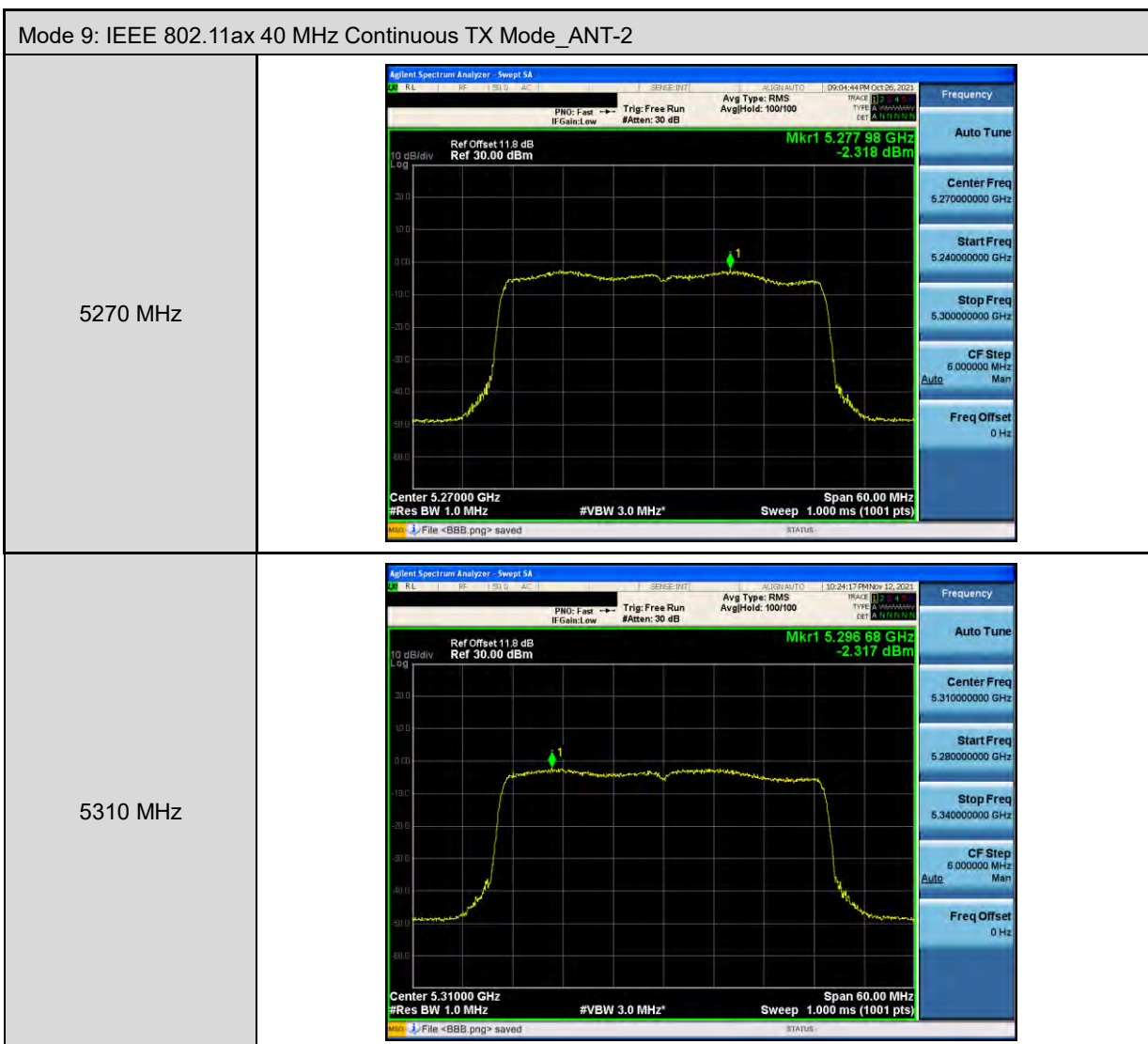


Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-2	
5260 MHz	
5280 MHz	
5320 MHz	

Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-2	
5500 MHz	
5560 MHz	
5700 MHz	

Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-2	
5475 MHz	
5785 MHz	
5825 MHz	





Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-2

5510 MHz

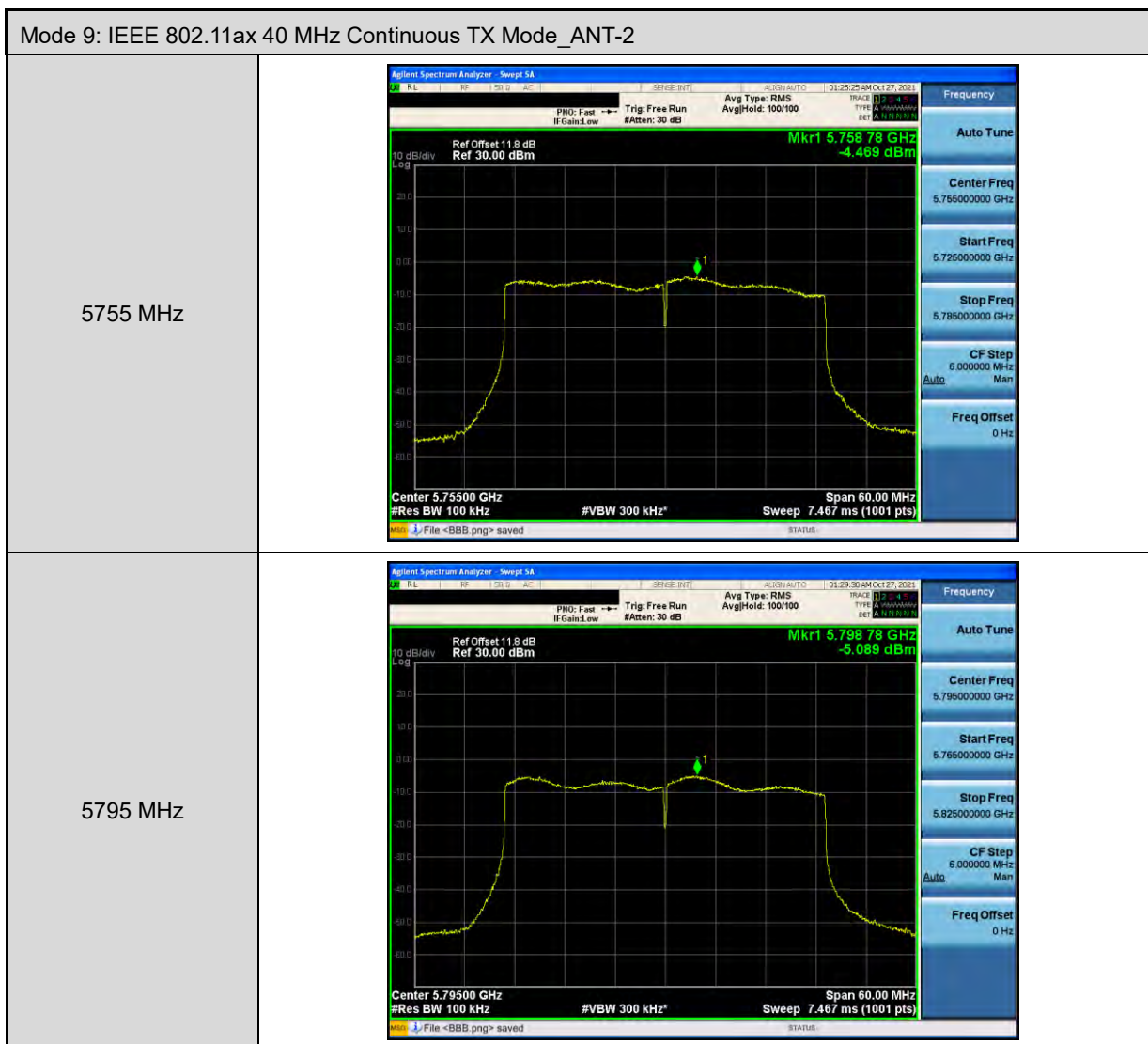


5550 MHz



5670 MHz





Mode 10: IEEE 802.11ax 80 MHz Continuous TX Mode_ANT-2

5210 MHz



5290 MHz



5530 MHz

