

Annex C. Conducted Test Results

Maximum Conducted Output Power Measurement

Test Mode		Mode 2: IEEE 802.11a Continuous TX mode		
Frequency (MHz)	Data Rate	ANT-0		Limit (dBm)
		(dBm)	(W)	
5180.0	6 M	15.08	0.032	≤ 30.00
5200.0		14.95	0.031	≤ 30.00
5220.0		14.90	0.031	≤ 30.00
5240.0		14.89	0.031	≤ 30.00
Frequency (MHz)	Data Rate	ANT-1		Limit (dBm)
		(dBm)	(W)	
5180.0	6 M	15.24	0.033	≤ 30.00
5200.0		15.15	0.033	≤ 30.00
5220.0		15.10	0.032	≤ 30.00
5240.0		15.04	0.032	≤ 30.00
Frequency (MHz)	Data Rate	ANT-2		Limit (dBm)
		(dBm)	(W)	
5180.0	6 M	15.54	0.036	≤ 30.00
5200.0		15.48	0.035	≤ 30.00
5220.0		15.40	0.035	≤ 30.00
5240.0		14.93	0.031	≤ 30.00
Frequency (MHz)	Data Rate	ANT-3		Limit (dBm)
		(dBm)	(W)	
5180.0	6 M	14.89	0.031	≤ 30.00
5200.0		15.05	0.032	≤ 30.00
5220.0		15.00	0.032	≤ 30.00
5240.0		15.02	0.032	≤ 30.00
Frequency (MHz)	Data Rate	ANT-0+1+2+3		Limit (dBm)
		(dBm)	(W)	
5180.0	6 M	21.21	0.132	≤ 30.00
5200.0		21.18	0.131	≤ 30.00
5220.0		21.12	0.129	≤ 30.00
5240.0		20.99	0.126	≤ 30.00

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

Test Mode		Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode		
Frequency (MHz)	Data Rate	ANT-0		Limit (dBm)
		(dBm)	(W)	
5180.0	26 M	14.68	0.029	≤ 30.00
5200.0		14.84	0.030	≤ 30.00
5220.0		14.80	0.030	≤ 30.00
5240.0		14.65	0.029	≤ 30.00
Frequency (MHz)	Data Rate	ANT-1		Limit (dBm)
		(dBm)	(W)	
5180.0	26 M	14.93	0.031	≤ 30.00
5200.0		15.02	0.032	≤ 30.00
5220.0		15.00	0.032	≤ 30.00
5240.0		15.09	0.032	≤ 30.00
Frequency (MHz)	Data Rate	ANT-2		Limit (dBm)
		(dBm)	(W)	
5180.0	26 M	15.18	0.033	≤ 30.00
5200.0		15.29	0.034	≤ 30.00
5220.0		15.18	0.033	≤ 30.00
5240.0		15.08	0.032	≤ 30.00
Frequency (MHz)	Data Rate	ANT-3		Limit (dBm)
		(dBm)	(W)	
5180.0	26 M	14.83	0.030	≤ 30.00
5200.0		14.75	0.030	≤ 30.00
5220.0		14.70	0.030	≤ 30.00
5240.0		14.86	0.031	≤ 30.00
Frequency (MHz)	Data Rate	ANT-0+1+2+3		Limit (dBm)
		(dBm)	(W)	
5180.0	26 M	20.93	0.124	≤ 30.00
5200.0		21.00	0.126	≤ 30.00
5220.0		20.94	0.124	≤ 30.00
5240.0		20.94	0.124	≤ 30.00

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

Test Mode		Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode		
Frequency (MHz)	Data Rate	ANT-0		Limit (dBm)
		(dBm)	(W)	
5190.0	54 M	13.78	0.024	≤ 30.00
5230.0		14.82	0.030	≤ 30.00
Frequency (MHz)	Data Rate	ANT-1		Limit (dBm)
		(dBm)	(W)	
5190.0	54 M	13.92	0.025	≤ 30.00
5230.0		14.99	0.032	≤ 30.00
Frequency (MHz)	Data Rate	ANT-2		Limit (dBm)
		(dBm)	(W)	
5190.0	54 M	14.01	0.025	≤ 30.00
5230.0		15.14	0.033	≤ 30.00
Frequency (MHz)	Data Rate	ANT-3		Limit (dBm)
		(dBm)	(W)	
5190.0	54 M	13.62	0.023	≤ 30.00
5230.0		15.15	0.033	≤ 30.00
Frequency (MHz)	Data Rate	ANT-0+1+2+3		Limit (dBm)
		(dBm)	(W)	
5190.0	54 M	19.86	0.097	≤ 30.00
5230.0		21.05	0.127	≤ 30.00

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

Test Mode		Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode		
Frequency (MHz)	Data Rate	ANT-0		Limit (dBm)
		(dBm)	(W)	
5180.0	26 M	14.79	0.030	≤ 30.00
5200.0		14.92	0.031	≤ 30.00
5220.0		14.82	0.030	≤ 30.00
5240.0		14.78	0.030	≤ 30.00
Frequency (MHz)	Data Rate	ANT-1		Limit (dBm)
		(dBm)	(W)	
5180.0	26 M	15.01	0.032	≤ 30.00
5200.0		15.10	0.032	≤ 30.00
5220.0		15.07	0.032	≤ 30.00
5240.0		15.14	0.033	≤ 30.00
Frequency (MHz)	Data Rate	ANT-2		Limit (dBm)
		(dBm)	(W)	
5180.0	26 M	15.59	0.036	≤ 30.00
5200.0		15.39	0.035	≤ 30.00
5220.0		15.25	0.033	≤ 30.00
5240.0		15.19	0.033	≤ 30.00
Frequency (MHz)	Data Rate	ANT-3		Limit (dBm)
		(dBm)	(W)	
5180.0	26 M	14.94	0.031	≤ 30.00
5200.0		14.85	0.031	≤ 30.00
5220.0		14.82	0.030	≤ 30.00
5240.0		15.00	0.032	≤ 30.00
Frequency (MHz)	Data Rate	ANT-0+1+2+3		Limit (dBm)
		(dBm)	(W)	
5180.0	26 M	21.11	0.129	≤ 30.00
5200.0		21.09	0.129	≤ 30.00
5220.0		21.01	0.126	≤ 30.00
5240.0		21.05	0.127	≤ 30.00

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

Test Mode		Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode		
Frequency (MHz)	Data Rate	ANT-0		Limit (dBm)
		(dBm)	(W)	
5190.0	54 M	13.85	0.024	≤ 30.00
5230.0		14.90	0.031	≤ 30.00
Frequency (MHz)	Data Rate	ANT-1		Limit (dBm)
		(dBm)	(W)	
5190.0	54 M	14.05	0.025	≤ 30.00
5230.0		15.11	0.032	≤ 30.00
Frequency (MHz)	Data Rate	ANT-2		Limit (dBm)
		(dBm)	(W)	
5190.0	54 M	14.12	0.026	≤ 30.00
5230.0		15.28	0.034	≤ 30.00
Frequency (MHz)	Data Rate	ANT-3		Limit (dBm)
		(dBm)	(W)	
5190.0	54 M	13.74	0.024	≤ 30.00
5230.0		15.28	0.034	≤ 30.00
Frequency (MHz)	Data Rate	ANT-0+1+2+3		Limit (dBm)
		(dBm)	(W)	
5190.0	54 M	19.96	0.099	≤ 30.00
5230.0		21.17	0.131	≤ 30.00

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

Test Mode		Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode		
Frequency (MHz)	Data Rate	ANT-0		Limit (dBm)
		(dBm)	(W)	
5210.0	117.2 M	14.91	0.031	≤ 30.00
Frequency (MHz)	Data Rate	ANT-1		Limit (dBm)
		(dBm)	(W)	
5210.0	117.2 M	15.00	0.032	≤ 30.00
Frequency (MHz)	Data Rate	ANT-2		Limit (dBm)
		(dBm)	(W)	
5210.0	117.2 M	15.14	0.033	≤ 30.00
Frequency (MHz)	Data Rate	ANT-3		Limit (dBm)
		(dBm)	(W)	
5210.0	117.2 M	15.04	0.032	≤ 30.00
Frequency (MHz)	Data Rate	ANT-0+1+2+3		Limit (dBm)
		(dBm)	(W)	
5210.0	117.2 M	21.04	0.127	≤ 30.00

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

Test Mode		Mode 8: IEEE 802.11ax 20 MHz Continuous TX mode		
Frequency (MHz)	Data Rate	ANT-0		Limit (dBm)
		(dBm)	(W)	
5180.0	MCS 0	15.24	0.033	≤ 30.00
5200.0		15.39	0.035	≤ 30.00
5220.0		15.36	0.034	≤ 30.00
5240.0		15.42	0.035	≤ 30.00
Frequency (MHz)	Data Rate	ANT-1		Limit (dBm)
		(dBm)	(W)	
5180.0	MCS 0	15.21	0.033	≤ 30.00
5200.0		15.24	0.033	≤ 30.00
5220.0		15.15	0.033	≤ 30.00
5240.0		15.21	0.033	≤ 30.00
Frequency (MHz)	Data Rate	ANT-2		Limit (dBm)
		(dBm)	(W)	
5180.0	MCS 0	15.57	0.036	≤ 30.00
5200.0		15.52	0.036	≤ 30.00
5220.0		15.49	0.035	≤ 30.00
5240.0		15.37	0.034	≤ 30.00
Frequency (MHz)	Data Rate	ANT-3		Limit (dBm)
		(dBm)	(W)	
5180.0	MCS 0	15.24	0.033	≤ 30.00
5200.0		15.15	0.033	≤ 30.00
5220.0		15.12	0.033	≤ 30.00
5240.0		15.25	0.033	≤ 30.00
Frequency (MHz)	Data Rate	ANT-0+1+2+3		Limit (dBm)
		(dBm)	(W)	
5180.0	MCS 0	21.34	0.136	≤ 30.00
5200.0		21.35	0.136	≤ 30.00
5220.0		21.30	0.135	≤ 30.00
5240.0		21.33	0.136	≤ 30.00

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

Test Mode		Mode 9: IEEE 802.11ax 40 MHz Continuous TX mode		
Frequency (MHz)	Data Rate	ANT-0		Limit (dBm)
		(dBm)	(W)	
5190.0	MCS 0	14.07	0.026	≤ 30.00
5230.0		15.28	0.034	≤ 30.00
Frequency (MHz)	Data Rate	ANT-1		Limit (dBm)
		(dBm)	(W)	
5190.0	MCS 0	13.87	0.024	≤ 30.00
5230.0		15.29	0.034	≤ 30.00
Frequency (MHz)	Data Rate	ANT-2		Limit (dBm)
		(dBm)	(W)	
5190.0	MCS 0	14.27	0.027	≤ 30.00
5230.0		15.36	0.034	≤ 30.00
Frequency (MHz)	Data Rate	ANT-3		Limit (dBm)
		(dBm)	(W)	
5190.0	MCS 0	13.83	0.024	≤ 30.00
5230.0		15.55	0.036	≤ 30.00
Frequency (MHz)	Data Rate	ANT-0+1+2+3		Limit (dBm)
		(dBm)	(W)	
5190.0	MCS 0	20.03	0.101	≤ 30.00
5230.0		21.39	0.138	≤ 30.00

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

Test Mode		Mode 10: IEEE 802.11ax 80 MHz Continuous TX mode		
Frequency (MHz)	Data Rate	ANT-0		Limit (dBm)
		(dBm)	(W)	
5210.0	MCS 0	15.14	0.033	≤ 30.00
Frequency (MHz)	Data Rate	ANT-1		Limit (dBm)
		(dBm)	(W)	
5210.0	MCS 0	15.31	0.034	≤ 30.00
Frequency (MHz)	Data Rate	ANT-2		Limit (dBm)
		(dBm)	(W)	
5210.0	MCS 0	15.33	0.034	≤ 30.00
Frequency (MHz)	Data Rate	ANT-3		Limit (dBm)
		(dBm)	(W)	
5210.0	MCS 0	15.25	0.033	≤ 30.00
Frequency (MHz)	Data Rate	ANT-0+1+2+3		Limit (dBm)
		(dBm)	(W)	
5210.0	MCS 0	21.28	0.134	≤ 30.00

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	
5180.0	19.950	16.669
5200.0	19.580	16.654
5240.0	20.450	16.743
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-1	
5180.0	19.310	16.614
5200.0	19.800	16.755
5240.0	20.630	16.793
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-2	
5180.0	19.240	16.424
5200.0	19.720	16.606
5240.0	19.150	16.586
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-3	
5180.0	19.270	16.597
5200.0	19.370	16.550
5240.0	19.580	16.649

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

Test Mode	Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode	
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-0	
5180.0	21.270	17.918
5200.0	20.900	17.870
5240.0	20.900	17.792
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-1	
5180.0	20.890	17.921
5200.0	20.520	17.870
5240.0	20.410	17.766
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-2	
5180.0	20.430	17.614
5200.0	20.380	17.673
5240.0	21.060	17.826
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-3	
5180.0	20.560	17.682
5200.0	20.820	17.729
5240.0	20.630	17.838

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

Test Mode	Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode	
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-0	
5190.0	40.980	36.328
5230.0	41.010	36.289
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-1	
5190.0	40.870	36.230
5230.0	41.230	36.435
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-2	
5190.0	40.940	36.404
5230.0	40.380	36.111
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-3	
5190.0	40.700	36.492
5230.0	40.580	36.316

Test Mode	Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode	
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-0	
5210.0	81.660	75.490
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-1	
5210.0	81.460	75.524
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-2	
5210.0	81.270	75.282
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-3	
5210.0	80.740	75.479

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

Test Mode	Mode 8: IEEE 802.11ax 20 MHz Continuous TX mode	
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-0	
5180.0	21.580	19.048
5200.0	21.620	18.993
5240.0	21.520	19.132
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-1	
5180.0	21.380	19.133
5200.0	21.250	18.935
5240.0	21.240	18.934
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-2	
5180.0	21.680	19.194
5200.0	21.190	18.999
5240.0	21.260	19.072
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-3	
5180.0	20.780	18.966
5200.0	21.870	19.159
5240.0	21.150	19.120

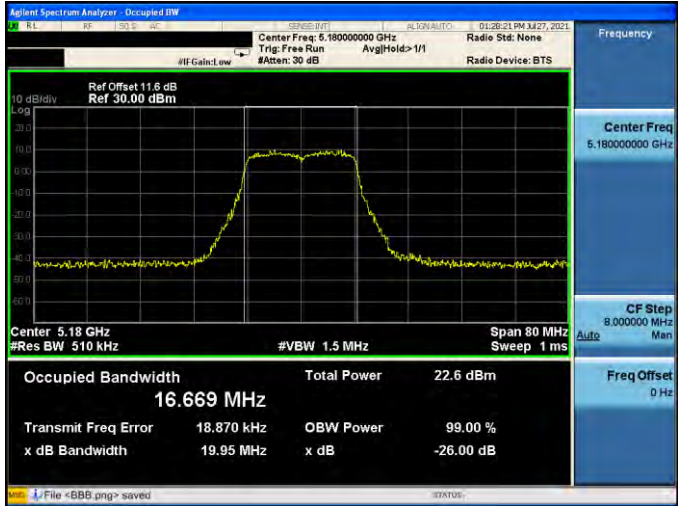
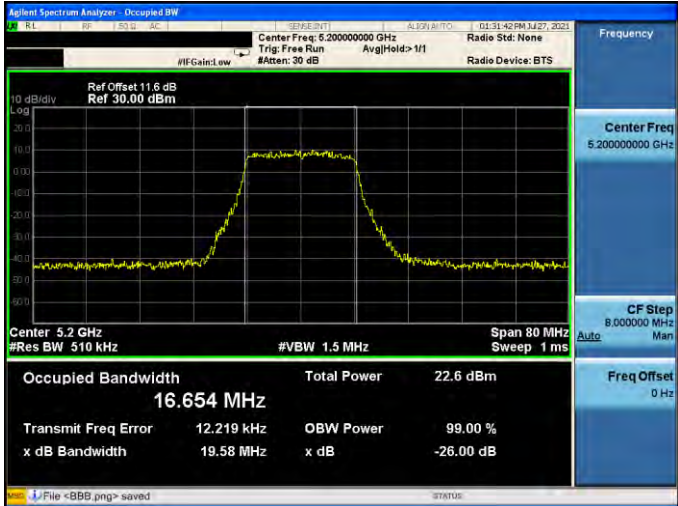
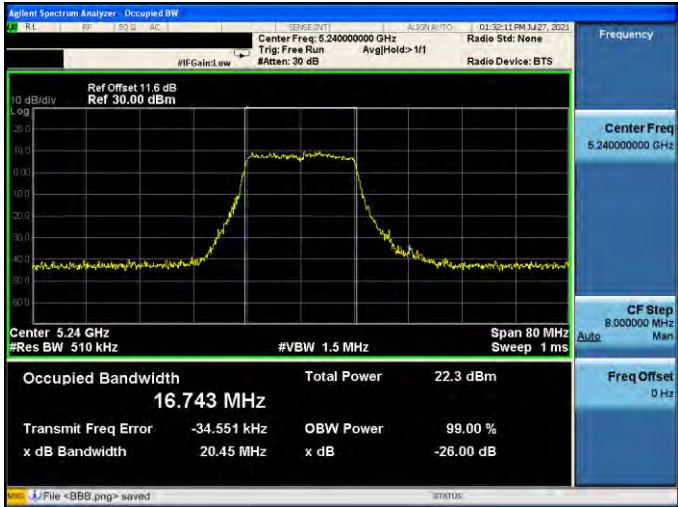
Note: The 99 % occupied bandwidth not crossed 5250 MHz.

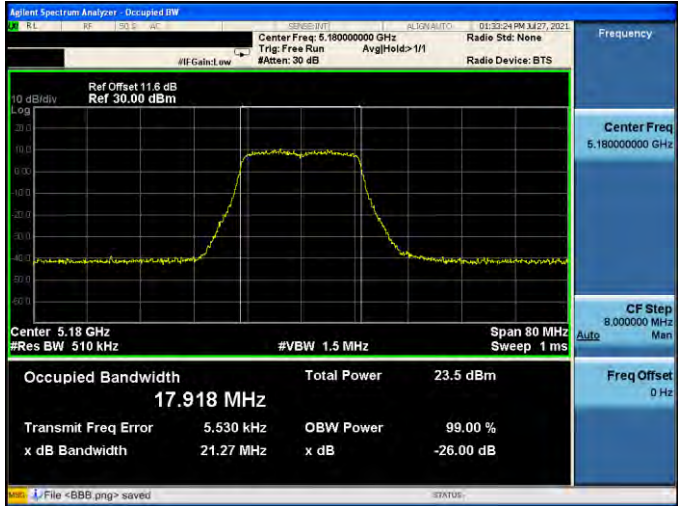
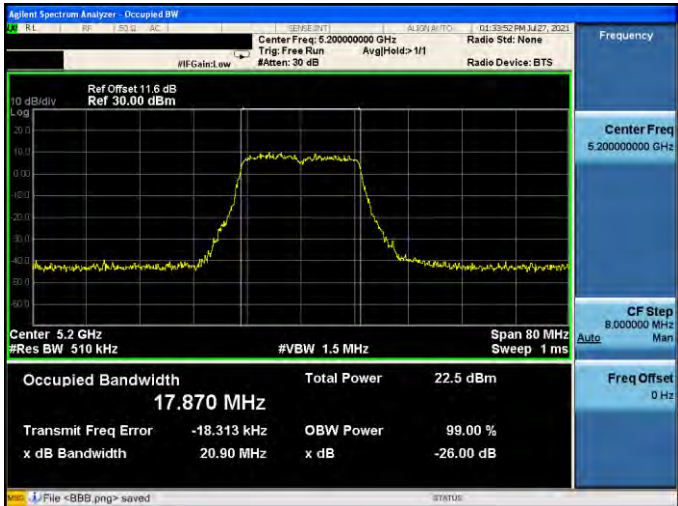
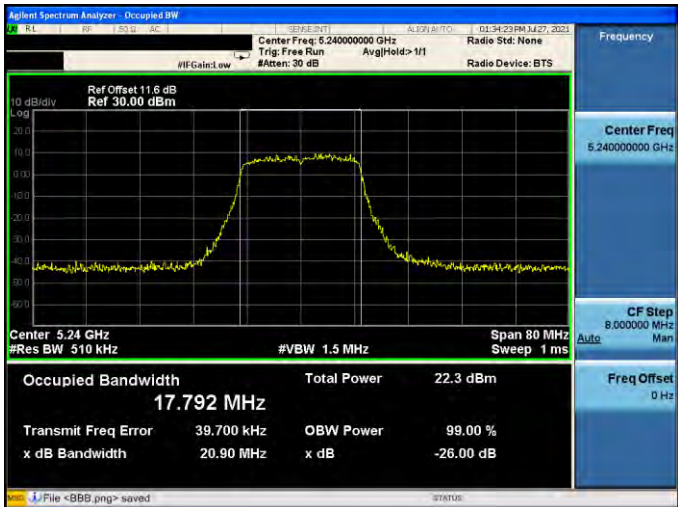
Test Mode	Mode 9: IEEE 802.11ax 40 MHz Continuous TX mode	
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-0	
5190.0	41.440	38.035
5230.0	40.430	37.894
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-1	
5190.0	41.510	38.065
5230.0	41.510	38.079
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-2	
5190.0	41.060	37.806
5230.0	41.360	37.782
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-3	
5190.0	41.860	38.049
5230.0	41.370	37.799

Test Mode	Mode 10: IEEE 802.11ax 80 MHz Continuous TX mode	
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-0	
5210.0	82.120	77.308
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-1	
5210.0	81.570	77.281
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-2	
5210.0	80.980	77.019
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-3	
5210.0	82.240	77.263

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

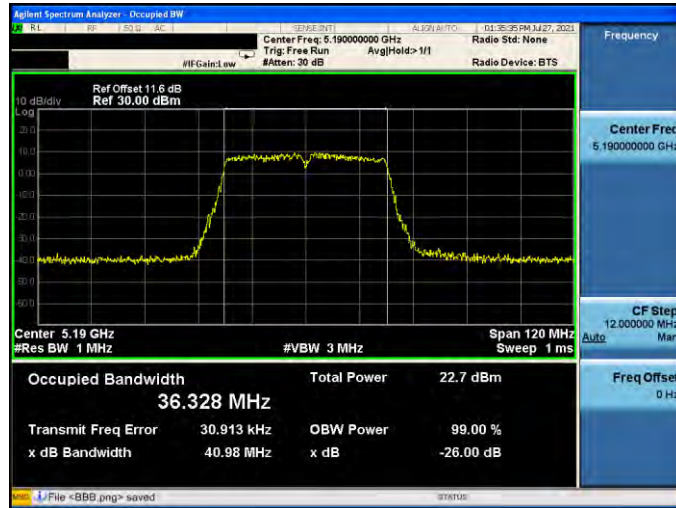
Test Graphs

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 Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.18 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 16.669 MHz Total Power 22.6 dBm Transmit Freq Error 18.870 kHz OBW Power 99.00 % x dB Bandwidth 19.95 MHz x dB -26.00 dB File <888.png> saved
5200 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.20000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.2 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 16.654 MHz Total Power 22.6 dBm Transmit Freq Error 12.219 kHz OBW Power 99.00 % x dB Bandwidth 19.58 MHz x dB -26.00 dB File <888.png> saved
5240 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.24000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.24 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 16.743 MHz Total Power 22.3 dBm Transmit Freq Error -34.551 kHz OBW Power 99.00 % x dB Bandwidth 20.45 MHz x dB -26.00 dB File <888.png> saved

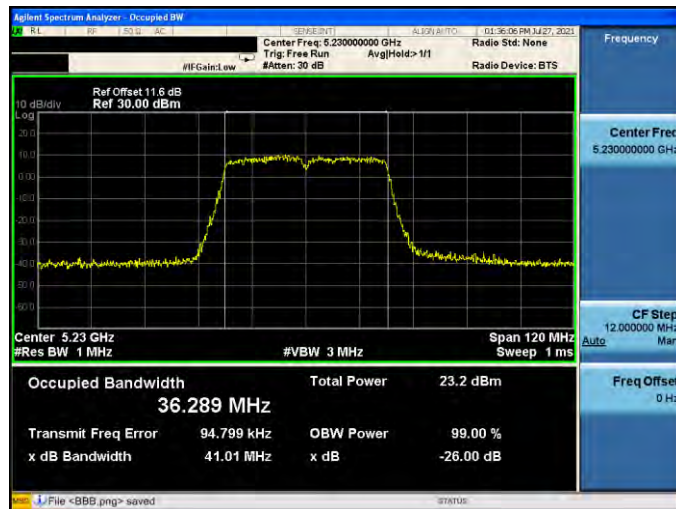
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode _ANT-0	
5180 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.180000000 GHz Trig: Free Run #Atten: 30 dB Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.18 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 17.918 MHz Total Power 23.5 dBm Transmit Freq Error 5.530 kHz OBW Power 99.00 % x dB Bandwidth 21.27 MHz x dB -26.00 dB File <888.png> saved
5200 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.200000000 GHz Trig: Free Run #Atten: 30 dB Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.2 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 17.870 MHz Total Power 22.5 dBm Transmit Freq Error -18.313 kHz OBW Power 99.00 % x dB Bandwidth 20.90 MHz x dB -26.00 dB File <888.png> saved
5240 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.240000000 GHz Trig: Free Run #Atten: 30 dB Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.24 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 17.792 MHz Total Power 22.3 dBm Transmit Freq Error 39.700 kHz OBW Power 99.00 % x dB Bandwidth 20.90 MHz x dB -26.00 dB File <888.png> saved

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

5190 MHz



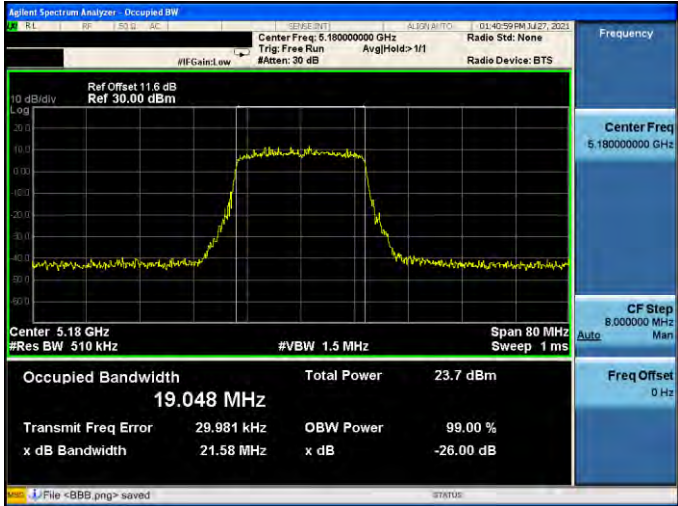
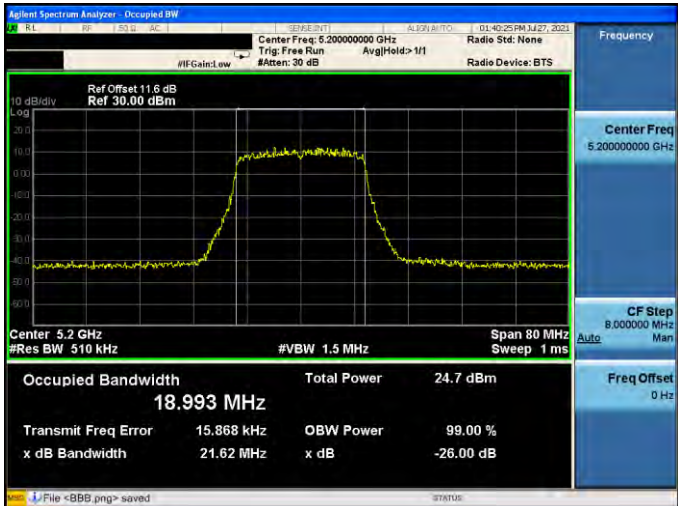
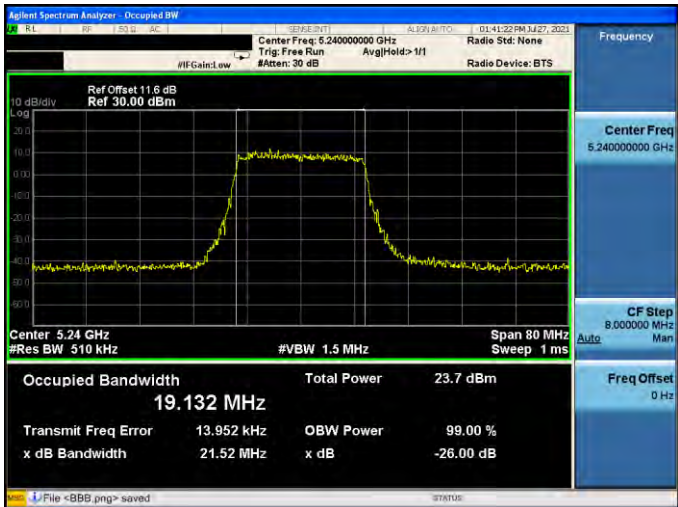
5230 MHz



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

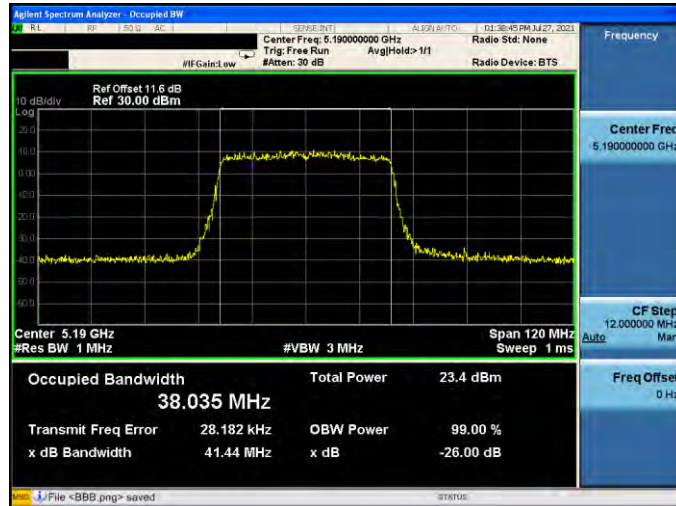
5210 MHz



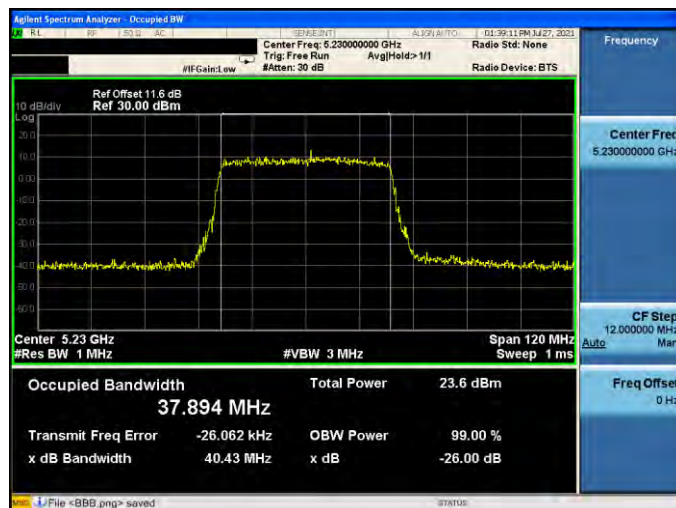
Mode 8: IEEE 802.11ax 20 MHz Continuous TX mode_ANT-0	
5180 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.18000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.18 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 19.048 MHz Total Power 23.7 dBm Transmit Freq Error 29.981 kHz OBW Power 99.00 % x dB Bandwidth 21.58 MHz x dB -26.00 dB File <888.png> saved
5200 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.20000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.2 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 18.993 MHz Total Power 24.7 dBm Transmit Freq Error 15.868 kHz OBW Power 99.00 % x dB Bandwidth 21.62 MHz x dB -26.00 dB File <888.png> saved
5240 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.24000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.24 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 19.132 MHz Total Power 23.7 dBm Transmit Freq Error 13.952 kHz OBW Power 99.00 % x dB Bandwidth 21.52 MHz x dB -26.00 dB File <888.png> saved

Mode 9: IEEE 802.11ax 40 MHz Continuous TX mode_ANT-0

5190 MHz

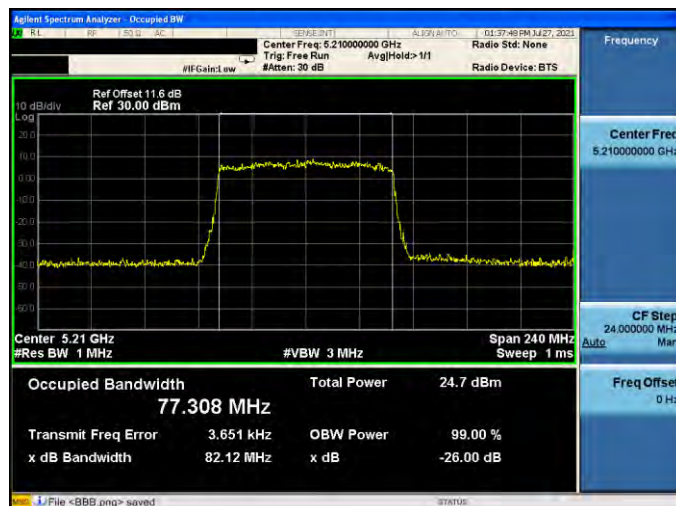


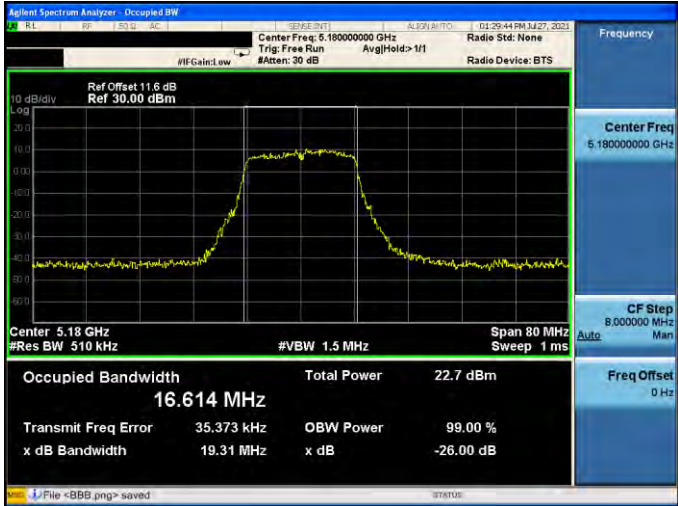
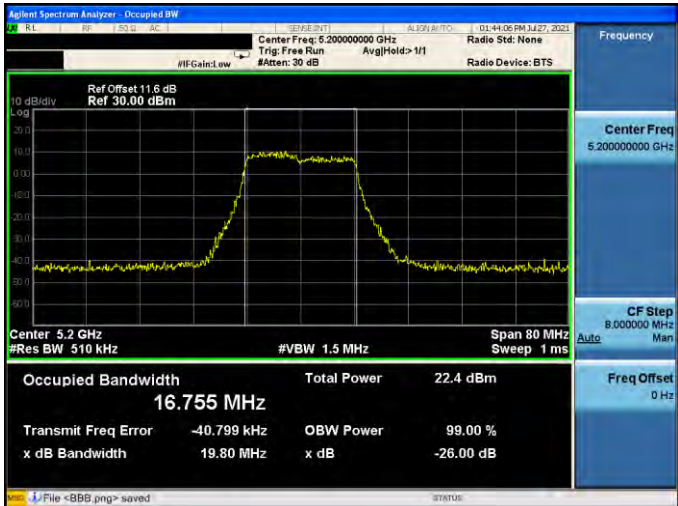
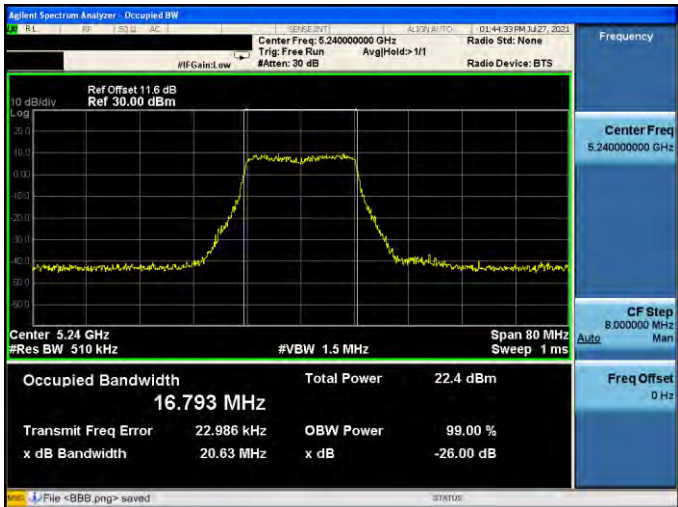
5230 MHz



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

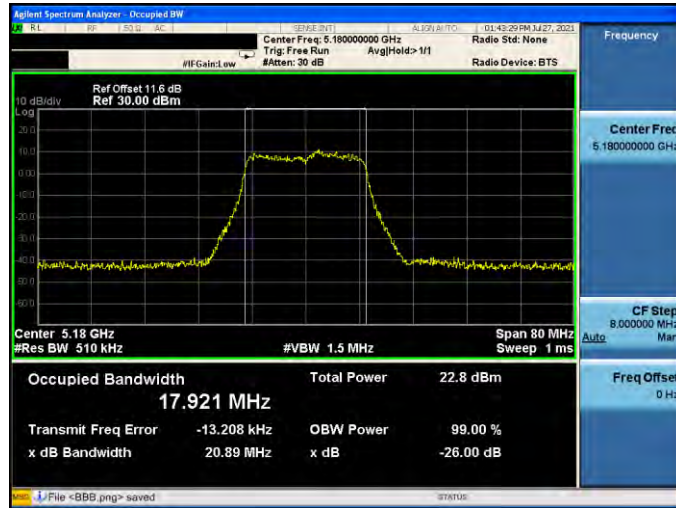
5210 MHz



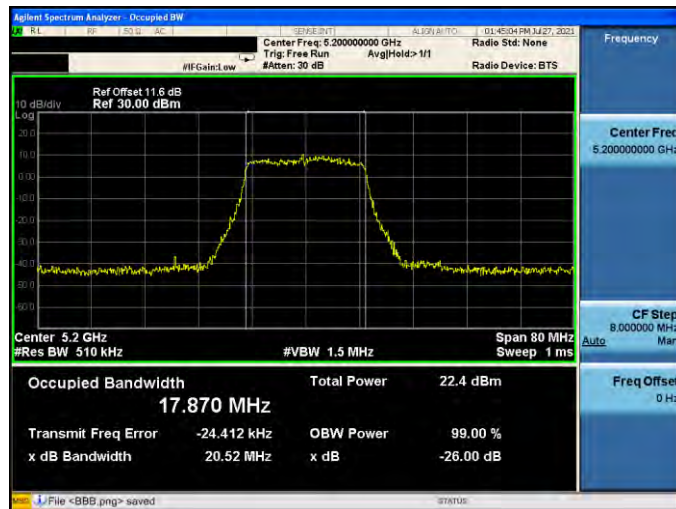
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5180 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.18000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.18 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 16.614 MHz Total Power 22.7 dBm Transmit Freq Error 35.373 kHz OBW Power 99.00 % x dB Bandwidth 19.31 MHz x dB -26.00 dB File <888.png> saved
5200 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.20000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.2 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 16.755 MHz Total Power 22.4 dBm Transmit Freq Error -40.799 kHz OBW Power 99.00 % x dB Bandwidth 19.80 MHz x dB -26.00 dB File <888.png> saved
5240 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.24000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.24 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 16.793 MHz Total Power 22.4 dBm Transmit Freq Error 22.986 kHz OBW Power 99.00 % x dB Bandwidth 20.63 MHz x dB -26.00 dB File <888.png> saved

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

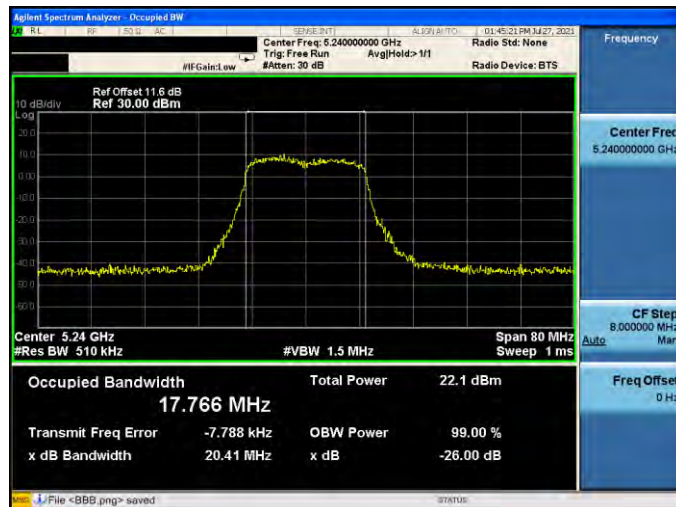
5180 MHz



5200 MHz

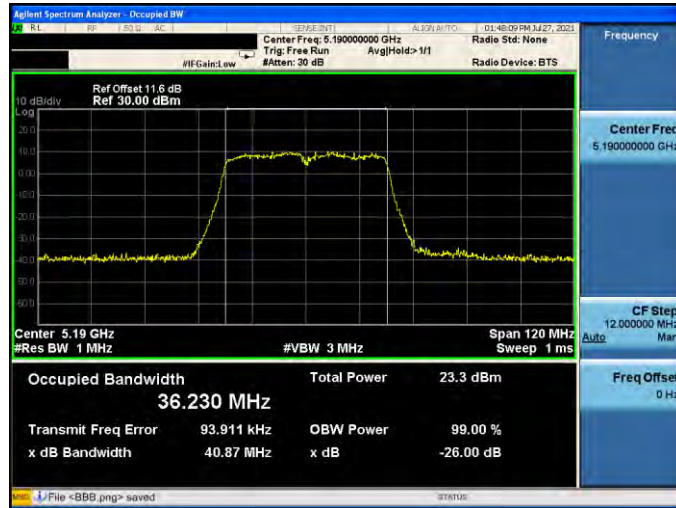


5240 MHz



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

5190 MHz

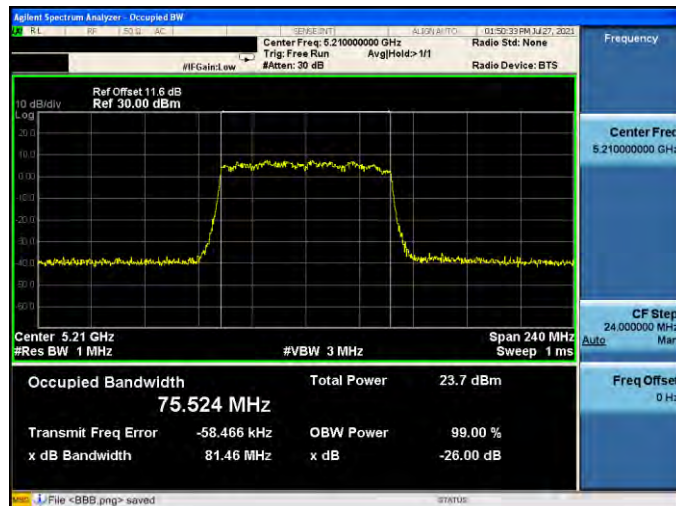


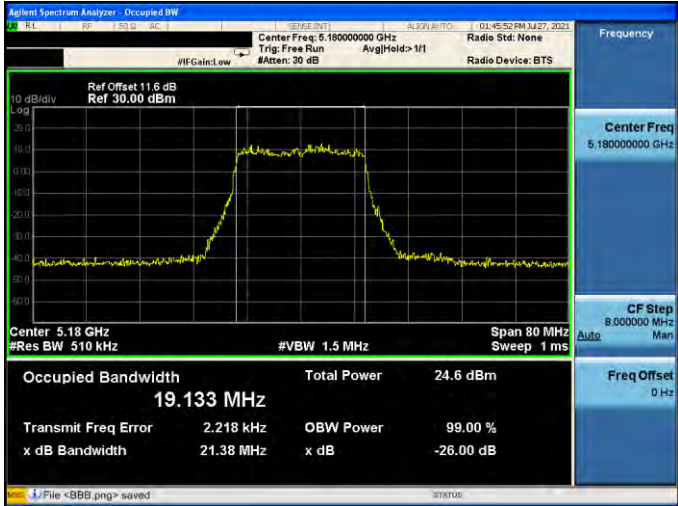
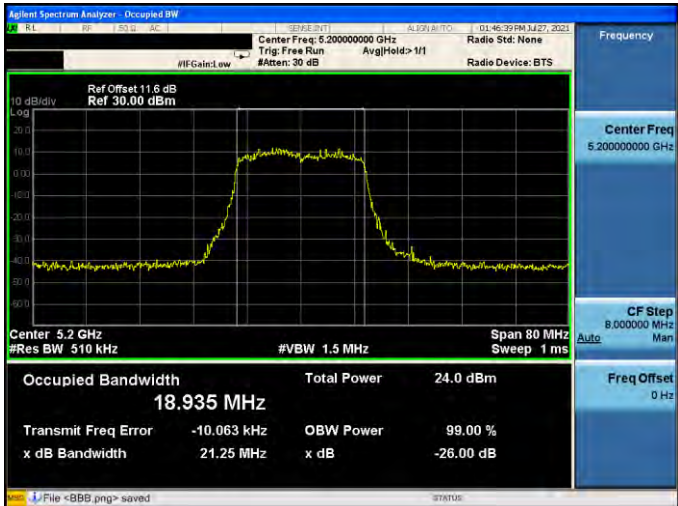
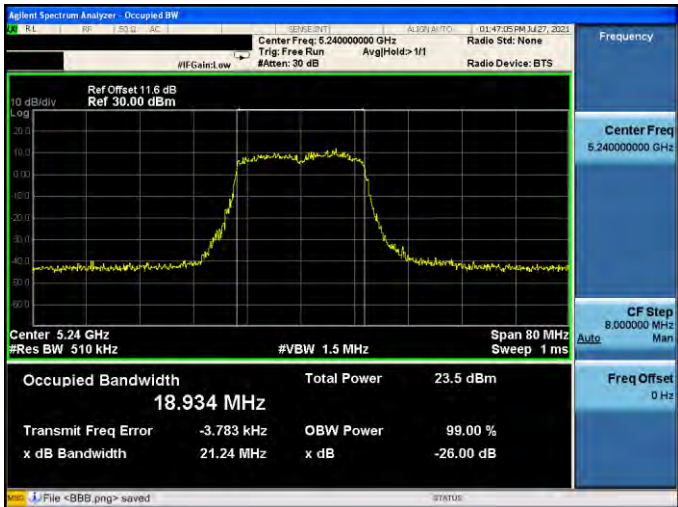
5230 MHz



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

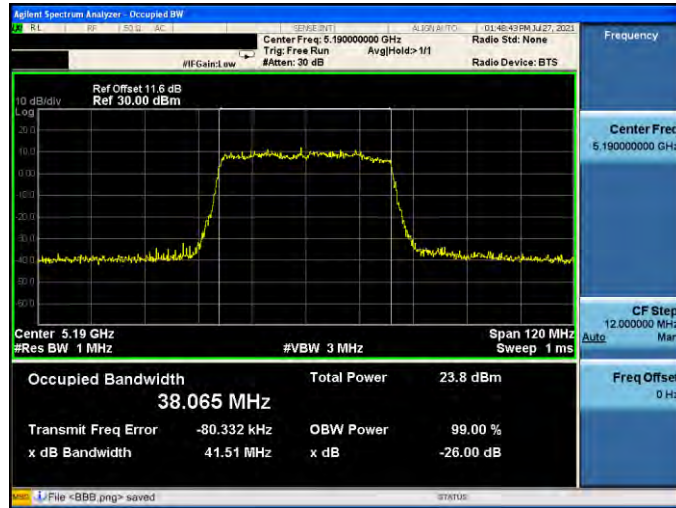
5210 MHz



Mode 8: IEEE 802.11ax 20 MHz Continuous TX mode_ ANT-1	
5180 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.18000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.18 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 19.133 MHz Total Power 24.6 dBm Transmit Freq Error 2.218 kHz OBW Power 99.00 % x dB Bandwidth 21.38 MHz x dB -26.00 dB File <BBB.png> saved
5200 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.20000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.2 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 18.935 MHz Total Power 24.0 dBm Transmit Freq Error -10.063 kHz OBW Power 99.00 % x dB Bandwidth 21.25 MHz x dB -26.00 dB File <BBB.png> saved
5240 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.24000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.24 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 18.934 MHz Total Power 23.5 dBm Transmit Freq Error -3.783 kHz OBW Power 99.00 % x dB Bandwidth 21.24 MHz x dB -26.00 dB File <BBB.png> saved

Mode 9: IEEE 802.11ax 40 MHz Continuous TX mode_ ANT-1

5190 MHz

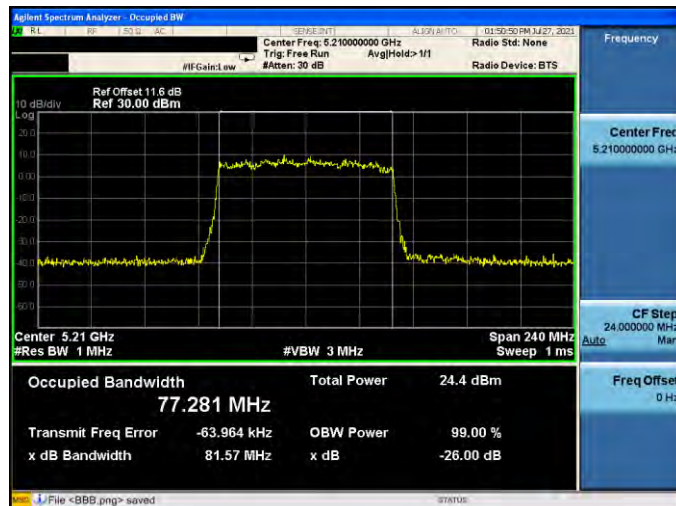


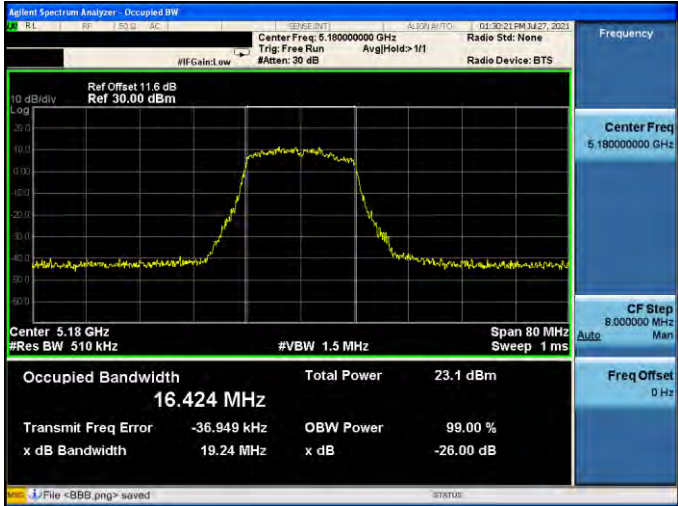
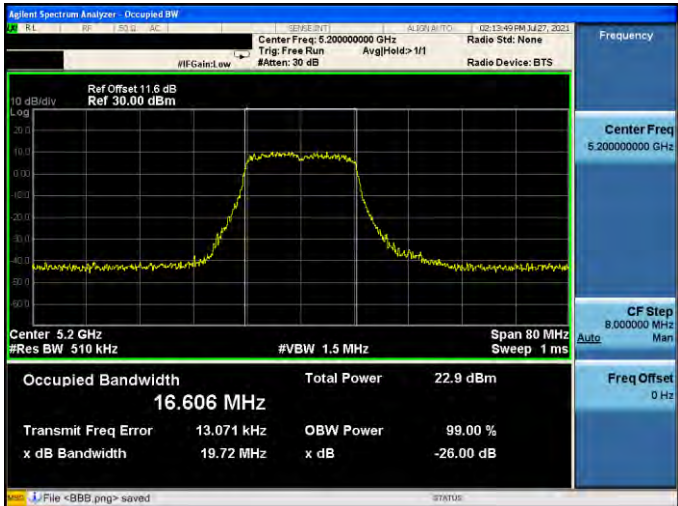
5230 MHz

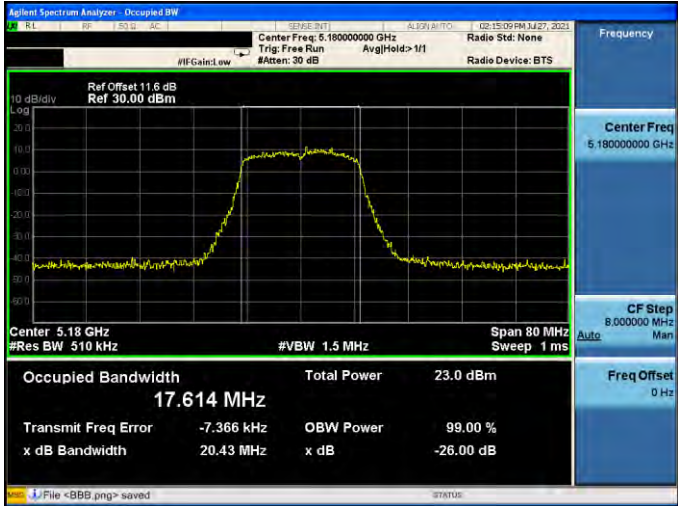
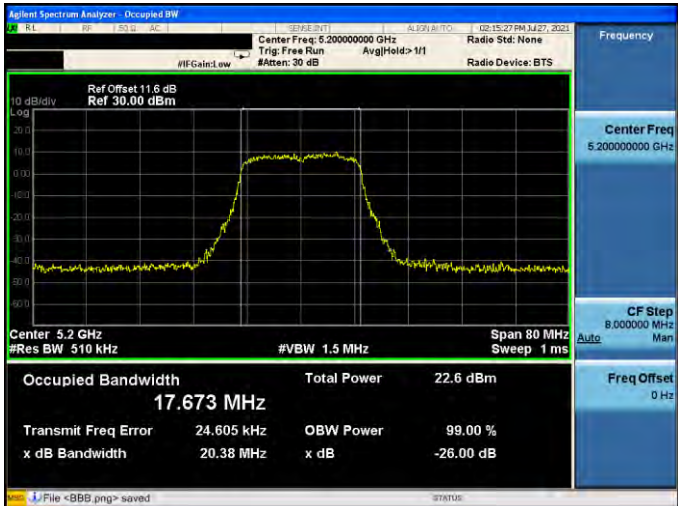
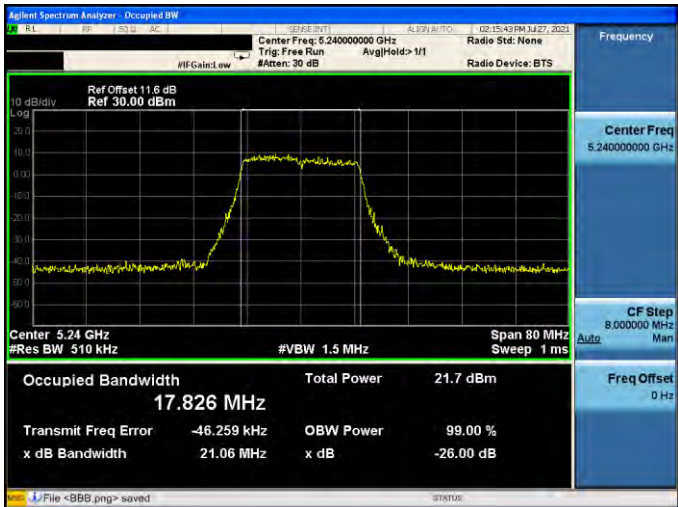


Mode 10: IEEE 802.11ax 80 MHz Continuous TX mode_ ANT-1

5210 MHz

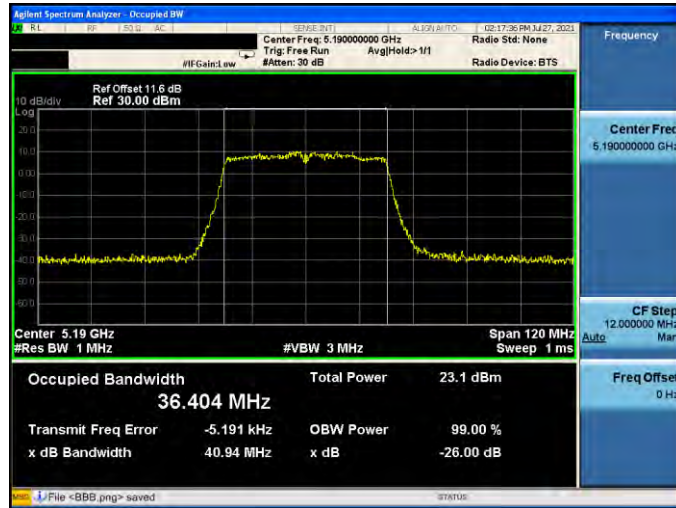


Mode 2: IEEE 802.11a Continuous TX mode_ ANT-2	
5180 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.18000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.18 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 16.424 MHz Total Power 23.1 dBm Transmit Freq Error -36.949 kHz OBW Power 99.00 % x dB Bandwidth 19.24 MHz x dB -26.00 dB File <BBB.png> saved
5200 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.20000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.2 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 16.606 MHz Total Power 22.9 dBm Transmit Freq Error 13.071 kHz OBW Power 99.00 % x dB Bandwidth 19.72 MHz x dB -26.00 dB File <BBB.png> saved
5240 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.24000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.24 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 16.586 MHz Total Power 22.0 dBm Transmit Freq Error -24.253 kHz OBW Power 99.00 % x dB Bandwidth 19.15 MHz x dB -26.00 dB File <BBB.png> saved

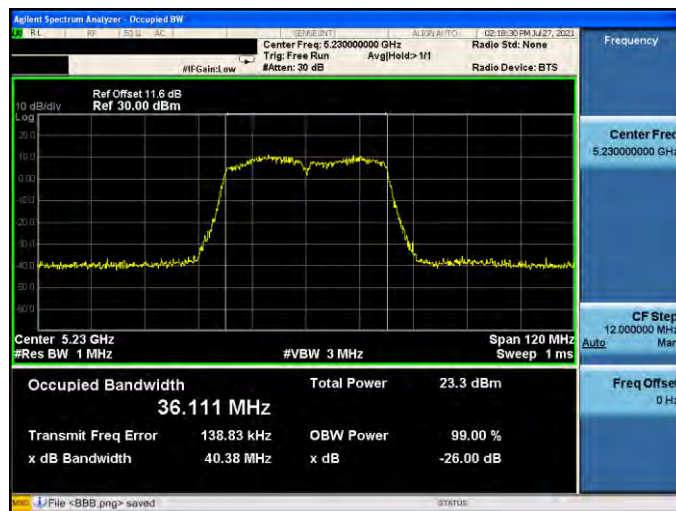
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-2	
5180 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.18000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.18 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 17.614 MHz Total Power 23.0 dBm Transmit Freq Error -7.366 kHz OBW Power 99.00 % x dB Bandwidth 20.43 MHz x dB -26.00 dB File <BBB.png> saved
5200 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.20000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.2 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 17.673 MHz Total Power 22.6 dBm Transmit Freq Error 24.605 kHz OBW Power 99.00 % x dB Bandwidth 20.38 MHz x dB -26.00 dB File <BBB.png> saved
5240 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.24000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.24 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 17.826 MHz Total Power 21.7 dBm Transmit Freq Error -46.259 kHz OBW Power 99.00 % x dB Bandwidth 21.06 MHz x dB -26.00 dB File <BBB.png> saved

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

5190 MHz

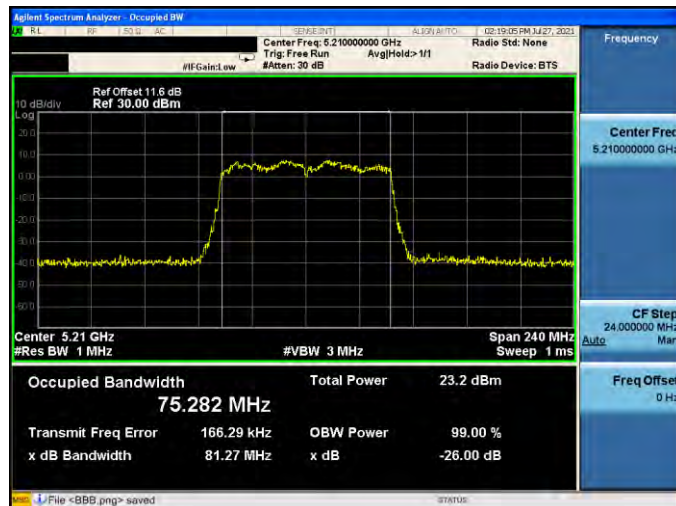


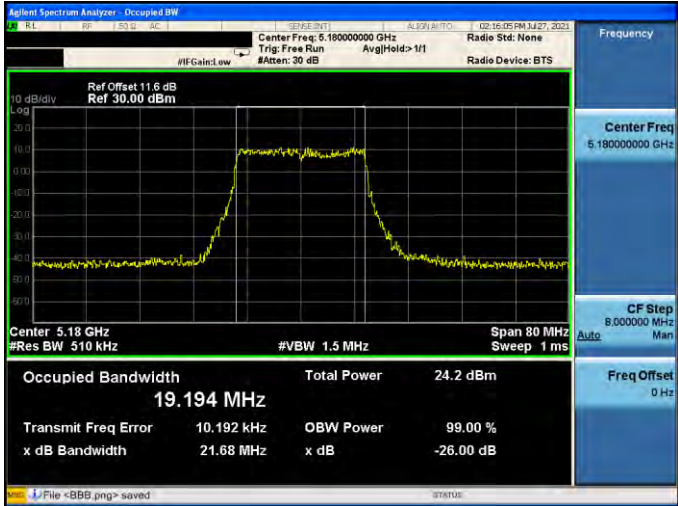
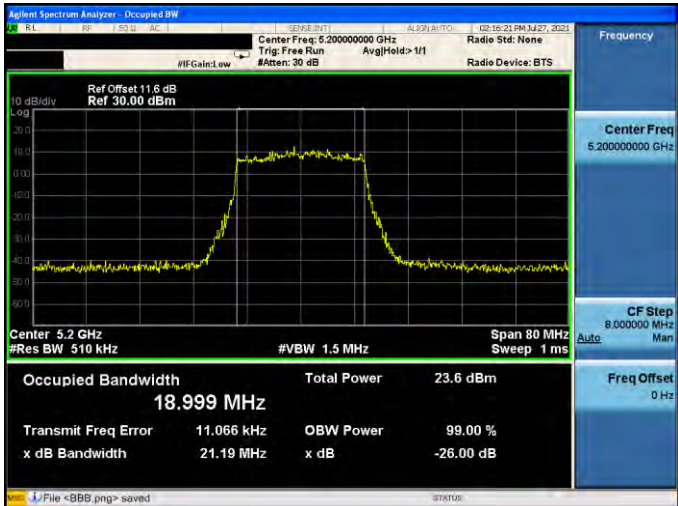
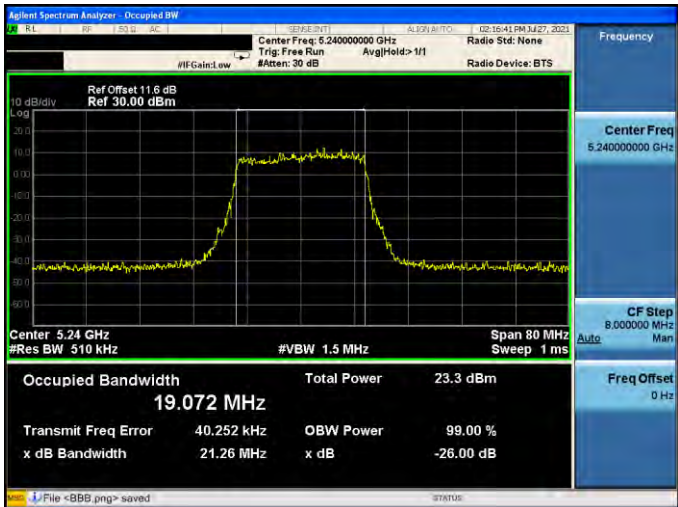
5230 MHz



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

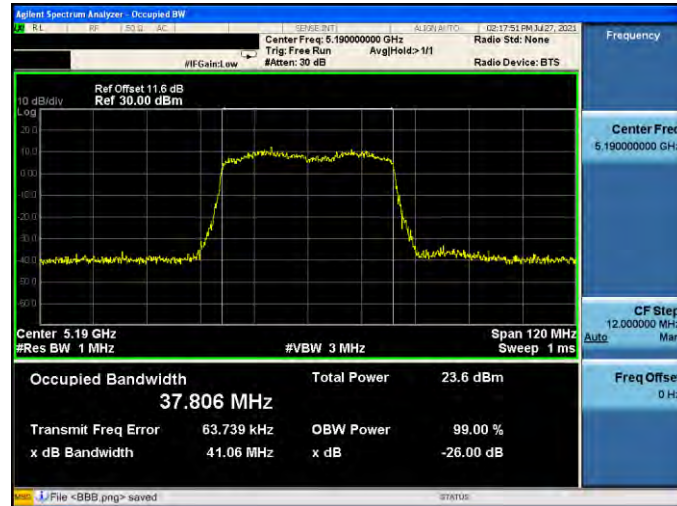
5210 MHz



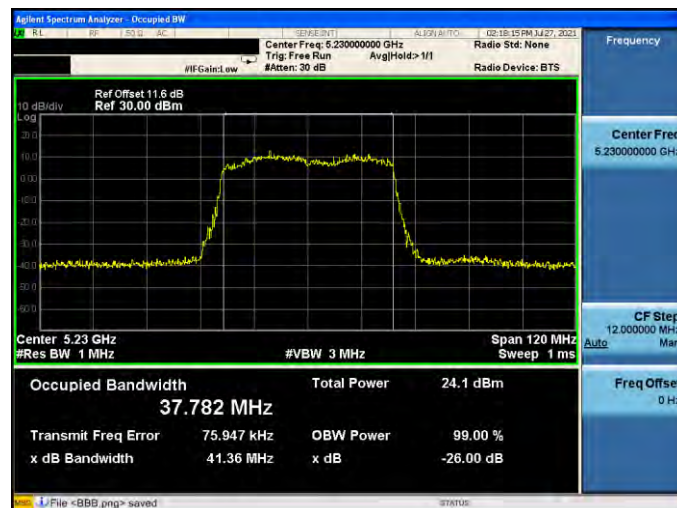
Mode 8: IEEE 802.11ax 20 MHz Continuous TX mode_ ANT-2	
5180 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.18000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.18 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 19.194 MHz Total Power 24.2 dBm Transmit Freq Error 10.192 kHz OBW Power 99.00 % x dB Bandwidth 21.68 MHz x dB -26.00 dB File <BBB.png> saved
5200 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.20000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.2 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 18.999 MHz Total Power 23.6 dBm Transmit Freq Error 11.066 kHz OBW Power 99.00 % x dB Bandwidth 21.19 MHz x dB -26.00 dB File <BBB.png> saved
5240 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.24000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.24 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 19.072 MHz Total Power 23.3 dBm Transmit Freq Error 40.252 kHz OBW Power 99.00 % x dB Bandwidth 21.26 MHz x dB -26.00 dB File <BBB.png> saved

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

5190 MHz



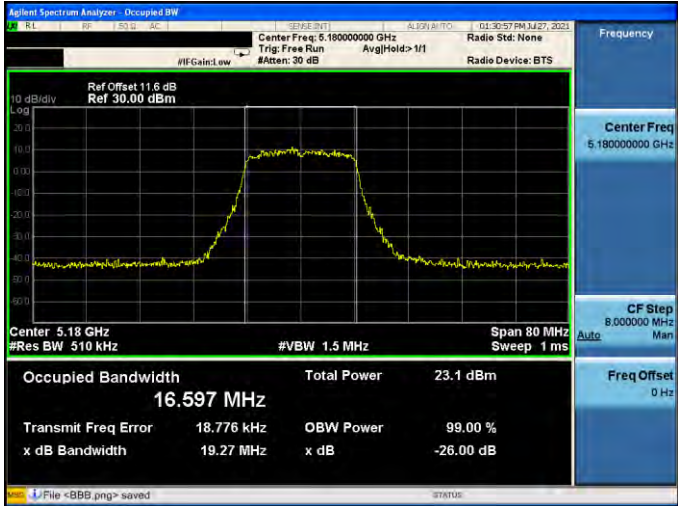
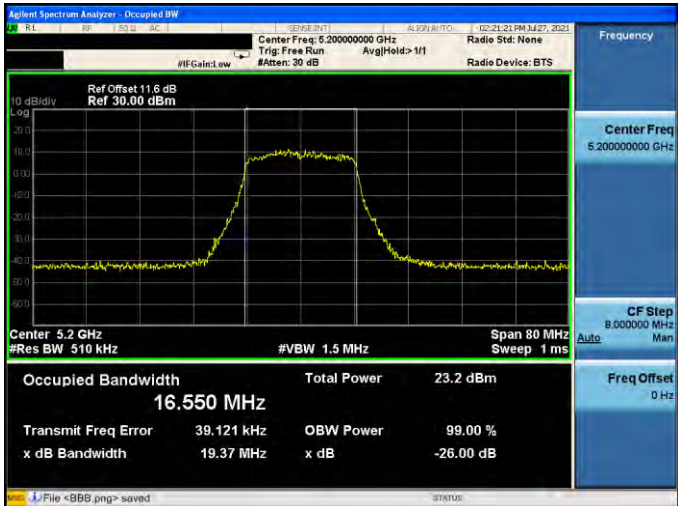
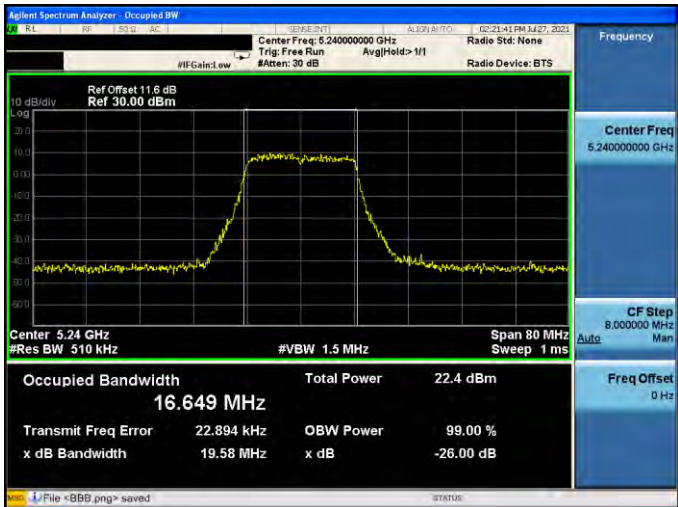
5230 MHz

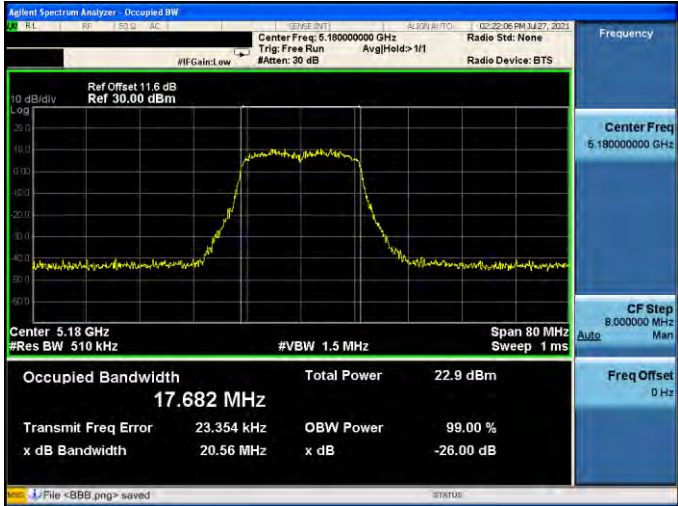
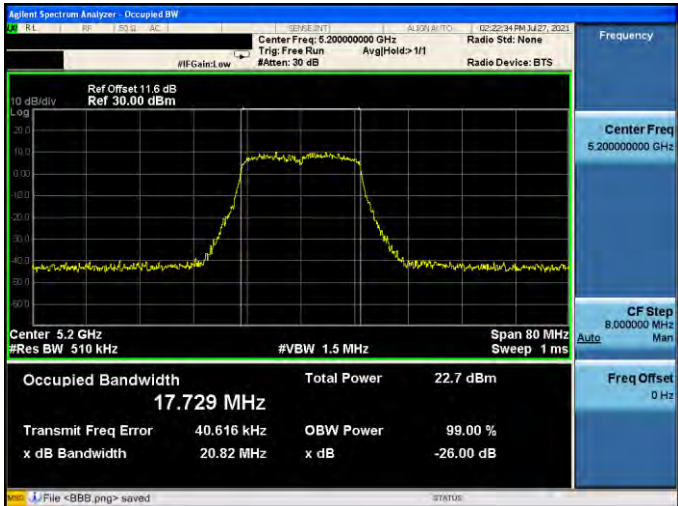
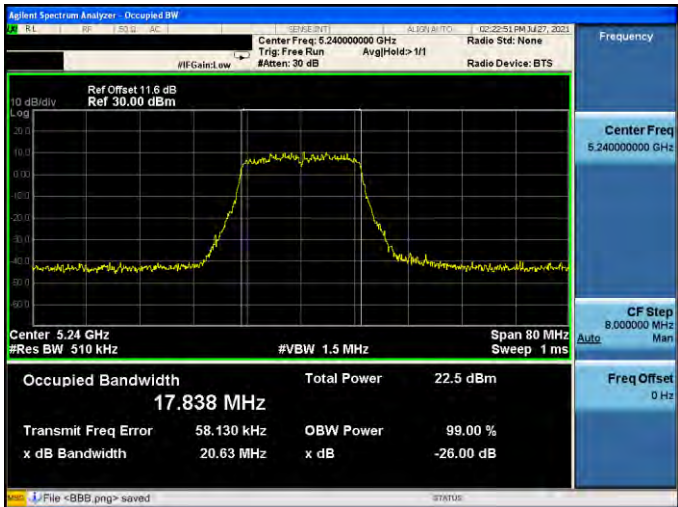


Mode 10: IEEE 802.11ax 80 MHz Continuous TX mode_ ANT-2

5210 MHz

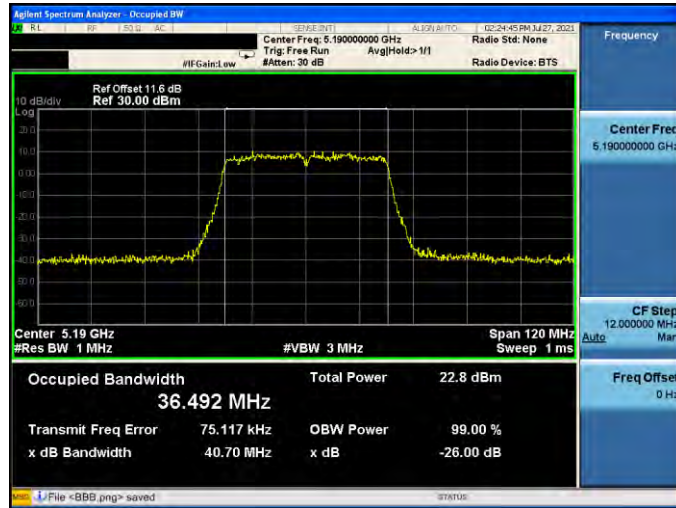


Mode 2: IEEE 802.11a Continuous TX mode_ ANT-3	
5180 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.18000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.18 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 16.597 MHz Total Power 23.1 dBm Transmit Freq Error 18.776 kHz OBW Power 99.00 % x dB Bandwidth 19.27 MHz x dB -26.00 dB File <BBB.png> saved
5200 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.20000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.2 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 16.550 MHz Total Power 23.2 dBm Transmit Freq Error 39.121 kHz OBW Power 99.00 % x dB Bandwidth 19.37 MHz x dB -26.00 dB File <BBB.png> saved
5240 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.24000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.24 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 16.649 MHz Total Power 22.4 dBm Transmit Freq Error 22.894 kHz OBW Power 99.00 % x dB Bandwidth 19.58 MHz x dB -26.00 dB File <BBB.png> saved

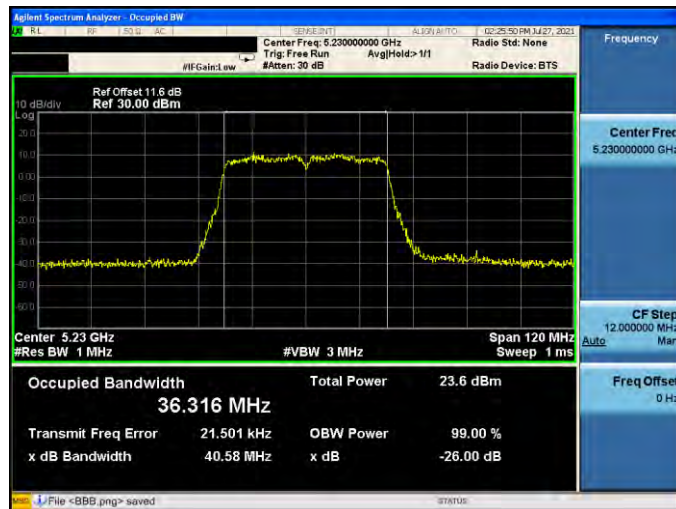
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode_ ANT-3	
5180 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.18000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.18 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 17.682 MHz Total Power 22.9 dBm Transmit Freq Error 23.354 kHz OBW Power 99.00 % x dB Bandwidth 20.56 MHz x dB -26.00 dB File <888.png> saved
5200 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.20000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.2 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 17.729 MHz Total Power 22.7 dBm Transmit Freq Error 40.616 kHz OBW Power 99.00 % x dB Bandwidth 20.82 MHz x dB -26.00 dB File <888.png> saved
5240 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.24000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.24 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 17.838 MHz Total Power 22.5 dBm Transmit Freq Error 58.130 kHz OBW Power 99.00 % x dB Bandwidth 20.63 MHz x dB -26.00 dB File <888.png> saved

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

5190 MHz

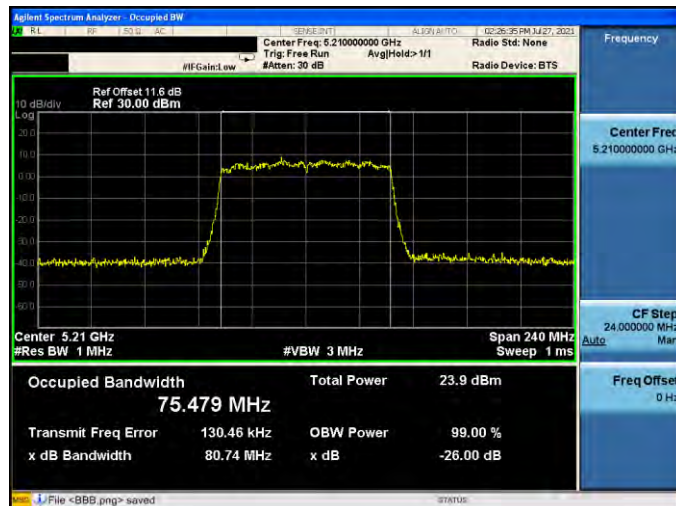


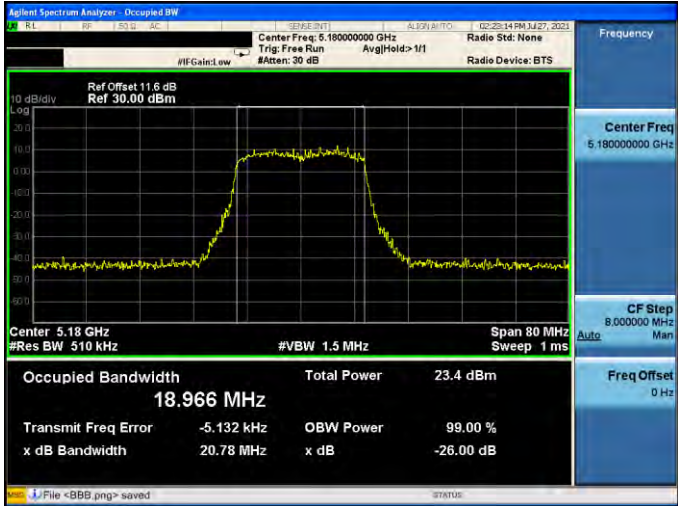
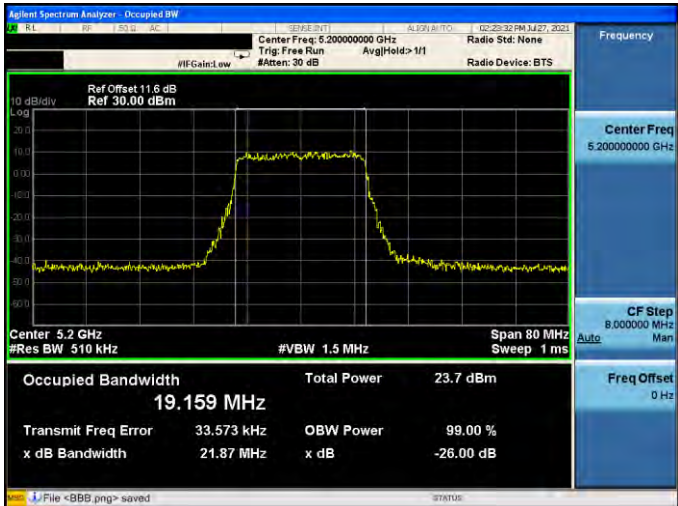
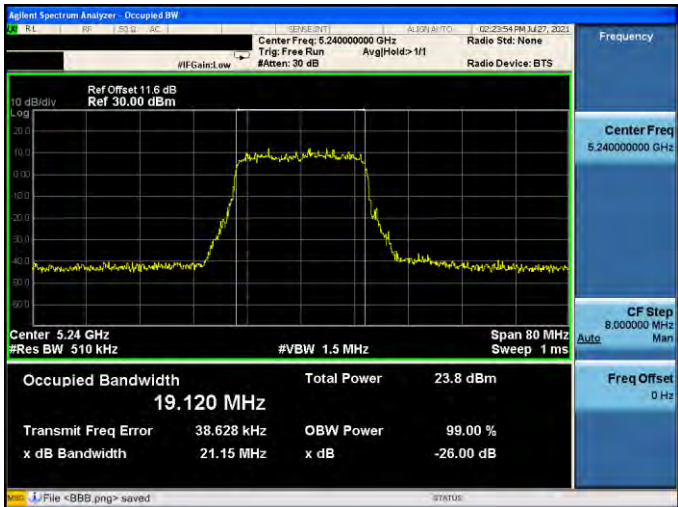
5230 MHz



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

5210 MHz



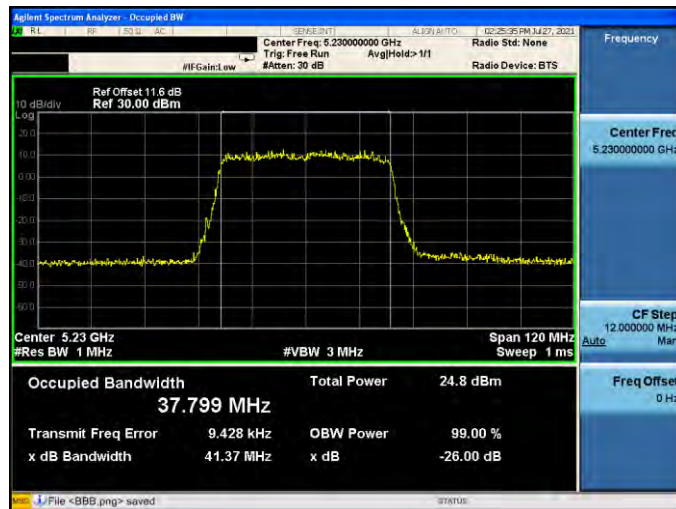
Mode 8: IEEE 802.11ax 20 MHz Continuous TX mode_ ANT-3	
5180 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.18000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.18 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 18.966 MHz Total Power 23.4 dBm Transmit Freq Error -5.132 kHz OBW Power 99.00 % x dB Bandwidth 20.78 MHz x dB -26.00 dB File <BBB.png> saved
5200 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.20000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.2 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 19.159 MHz Total Power 23.7 dBm Transmit Freq Error 33.573 kHz OBW Power 99.00 % x dB Bandwidth 21.87 MHz x dB -26.00 dB File <BBB.png> saved
5240 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.24000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.24 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 19.120 MHz Total Power 23.8 dBm Transmit Freq Error 38.628 kHz OBW Power 99.00 % x dB Bandwidth 21.15 MHz x dB -26.00 dB File <BBB.png> saved

Mode 9: IEEE 802.11ax 40 MHz Continuous TX mode_ ANT-3

5190 MHz

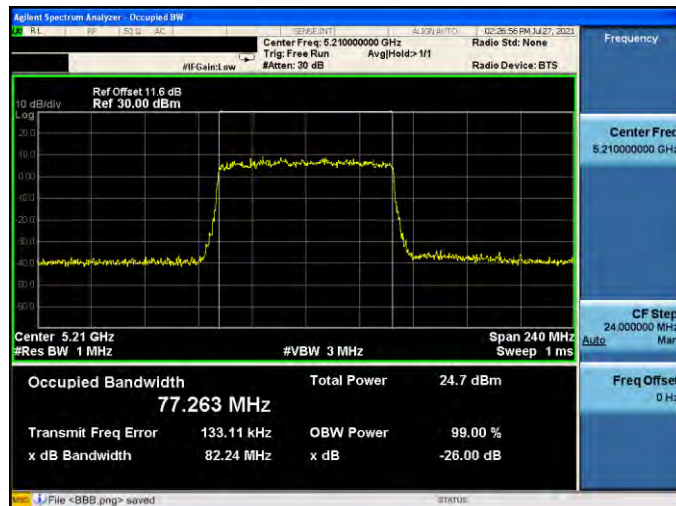


5230 MHz



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

5210 MHz



Maximum Power Spectral Density Measurement

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode			
Power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	4.414	0.257	4.671	≤ 13.31
5200	3.913	0.257	4.170	
5240	3.884	0.257	4.141	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	4.420	0.257	4.677	≤ 13.31
5200	4.126	0.257	4.383	
5240	3.820	0.257	4.077	
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	4.699	0.257	4.956	≤ 13.31
5200	4.546	0.257	4.803	
5240	4.484	0.257	4.741	
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	4.098	0.257	4.355	≤ 13.31
5200	4.015	0.257	4.272	
5240	4.172	0.257	4.429	
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180	10.690			≤ 13.31
5200	10.434			
5240	10.375			

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			
Power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	3.697	0.242	3.939	≤ 13.31
5200	3.331	0.242	3.573	
5240	3.011	0.242	3.253	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	4.045	0.242	4.287	≤ 13.31
5200	3.941	0.242	4.183	
5240	3.883	0.242	4.125	
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	3.972	0.242	4.214	≤ 13.31
5200	4.304	0.242	4.546	
5240	3.696	0.242	3.938	
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	4.276	0.242	4.518	≤ 13.31
5200	4.061	0.242	4.303	
5240	3.800	0.242	4.042	
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180	10.265			≤ 13.31
5200	10.186			
5240	9.873			

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			
Power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	0.185	0.469	0.654	≤ 13.31
5230	0.582	0.469	1.051	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	0.511	0.469	0.980	≤ 13.31
5230	0.678	0.469	1.147	
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	1.098	0.469	1.567	≤ 13.31
5230	1.350	0.469	1.819	
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	0.218	0.469	0.687	≤ 13.31
5230	1.193	0.469	1.662	
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5190	7.008			≤ 13.31
5230	7.453			

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			
Power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-2.137	0.494	-1.643	≤ 13.31
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-1.791	0.494	-1.297	≤ 13.31
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-1.668	0.494	-1.174	≤ 13.31
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-1.649	0.494	-1.155	≤ 13.31
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5210	4.707			≤ 13.31

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

Test Mode	Mode 8: IEEE 802.11ax 20 MHz Continuous TX mode			
Power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	3.566	0.206	3.772	≤ 13.31
5200	3.575	0.206	3.781	
5240	3.475	0.206	3.681	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	4.327	0.206	4.533	≤ 13.31
5200	4.142	0.206	4.348	
5240	3.884	0.206	4.090	
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	4.549	0.206	4.755	≤ 13.31
5200	4.374	0.206	4.580	
5240	3.918	0.206	4.124	
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	4.410	0.206	4.616	≤ 13.31
5200	4.271	0.206	4.477	
5240	3.863	0.206	4.069	
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180	10.456			≤ 13.31
5200	10.328			
5240	10.015			

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

Test Mode	Mode 9: IEEE 802.11ax 40 MHz Continuous TX mode			
Power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	0.283	0.165	0.448	≤ 13.31
5230	0.982	0.165	1.147	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	0.554	0.165	0.719	≤ 13.31
5230	1.437	0.165	1.602	
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	1.255	0.165	1.420	≤ 13.31
5230	1.930	0.165	2.095	
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	0.546	0.165	0.711	≤ 13.31
5230	1.480	0.165	1.645	
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5190	6.861			≤ 13.31
5230	7.656			

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

Test Mode	Mode 10: IEEE 802.11ax 80 MHz Continuous TX mode			
Power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-1.573	0.162	-1.411	≤ 13.31
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-1.211	0.162	-1.049	≤ 13.31
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-1.197	0.162	-1.035	≤ 13.31
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-1.258	0.162	-1.096	≤ 13.31
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5210	4.876			≤ 13.31

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

■ Test Graphs

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

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 8: IEEE 802.11ax 20 MHz Continuous TX mode_ ANT-0	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 9: IEEE 802.11ax 40 MHz Continuous TX mode_ ANT-0

5190 MHz



5230 MHz



Mode 10: IEEE 802.11ax 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

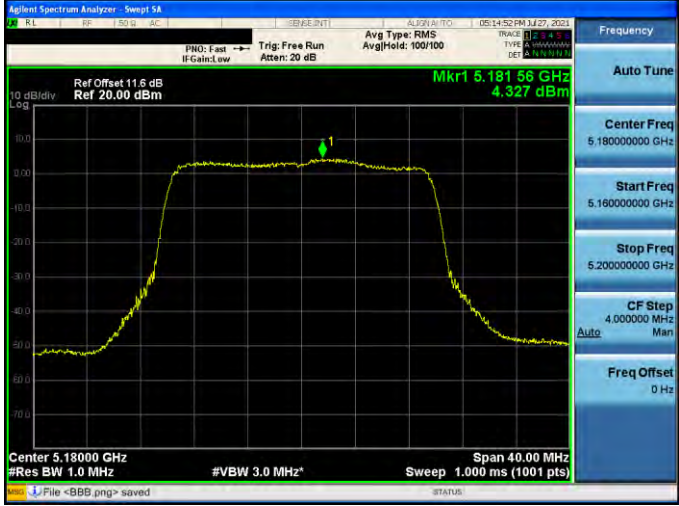


Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode_ ANT-1

5210 MHz



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

5180 MHz	 Agilent Spectrum Analyzer: Sweep 1A Ref Offset 11.5 dB Ref 20.00 dBm Mkr1 5.181 56 GHz 4.327 dBm Center 5.18000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (1001 pts) Span 40.00 MHz File <8BB.png> saved
5200 MHz	 Agilent Spectrum Analyzer: Sweep 1A Ref Offset 11.5 dB Ref 20.00 dBm Mkr1 5.205 32 GHz 4.142 dBm Center 5.20000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (1001 pts) Span 40.00 MHz File <8BB.png> saved
5240 MHz	 Agilent Spectrum Analyzer: Sweep 1A Ref Offset 11.5 dB Ref 20.00 dBm Mkr1 5.236 32 GHz 3.884 dBm Center 5.24000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (1001 pts) Span 40.00 MHz File <8BB.png> saved

Mode 9: IEEE 802.11ax 40 MHz Continuous TX mode_ ANT-1

5190 MHz



5230 MHz



Mode 10: IEEE 802.11ax 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



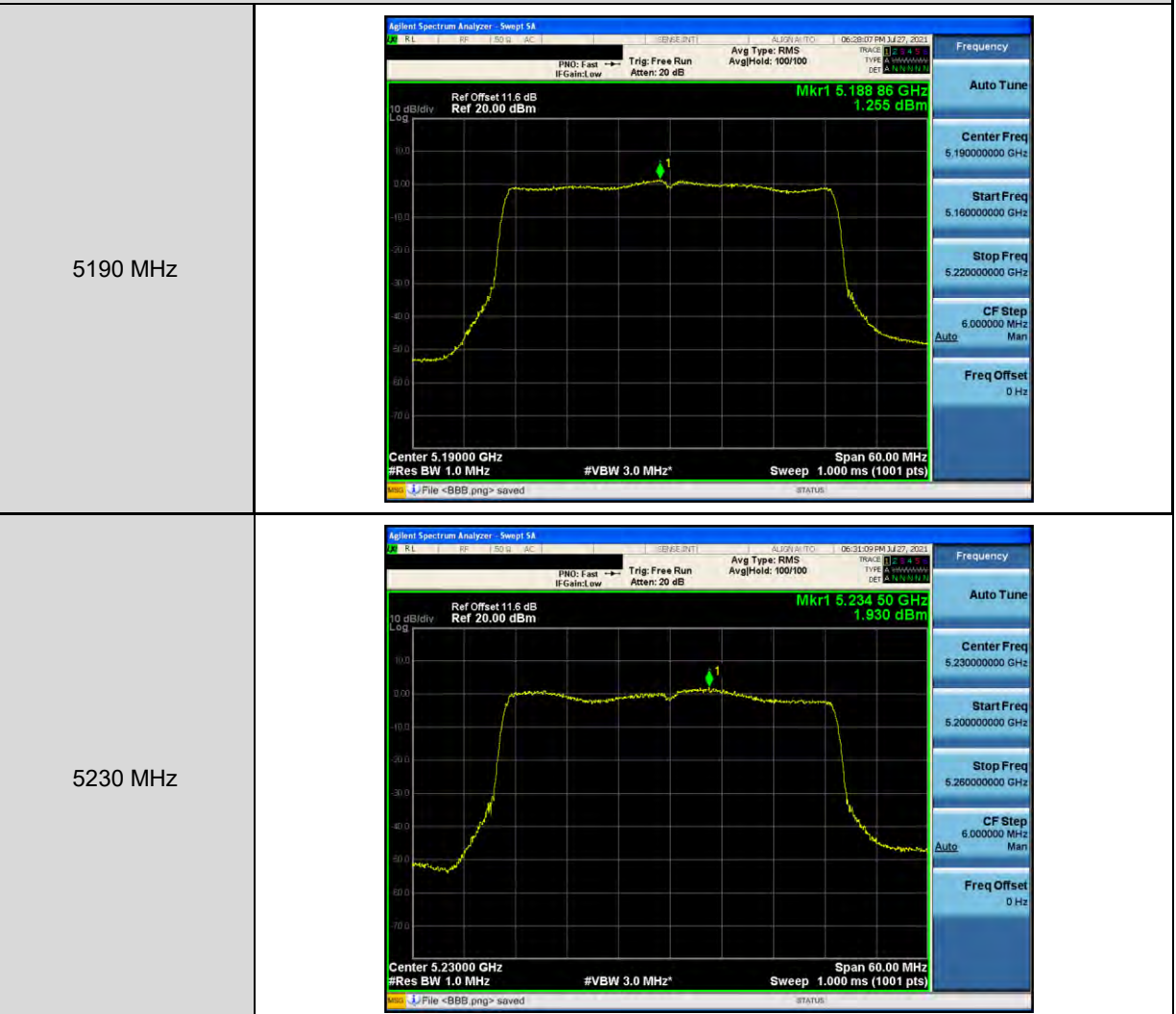
Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode_ ANT-2

5210 MHz



Mode 8: IEEE 802.11ax 20 MHz Continuous TX mode_ ANT-2	
5180 MHz	
5200 MHz	
5240 MHz	

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



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



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



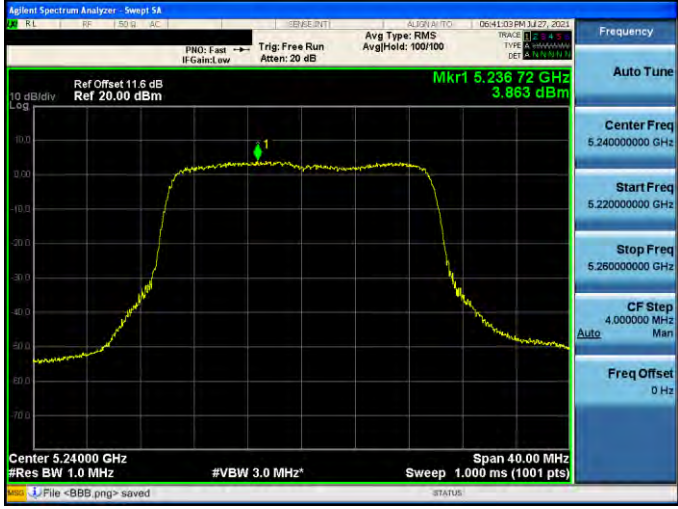
5230 MHz



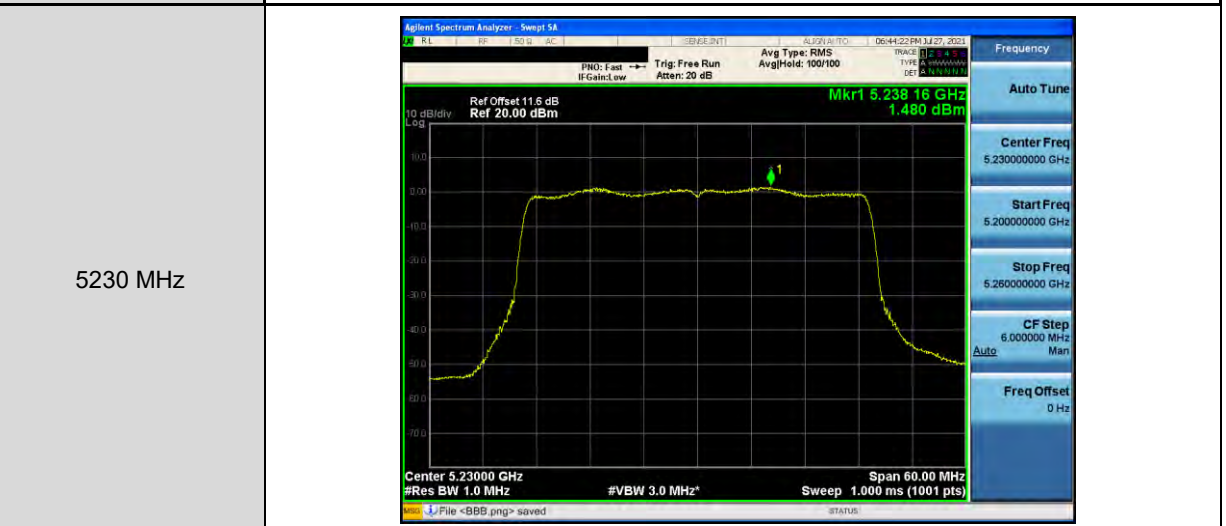
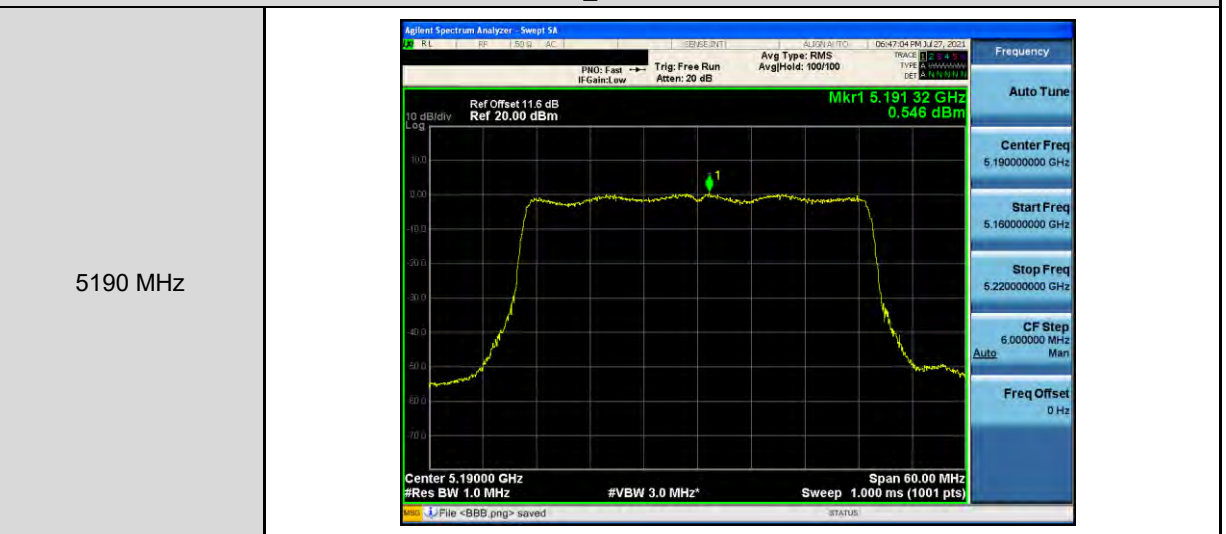
Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode_ ANT-3

5210 MHz



Mode 8: IEEE 802.11ax 20 MHz Continuous TX mode_ ANT-3	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 9: IEEE 802.11ax 40 MHz Continuous TX mode_ ANT-3



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



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