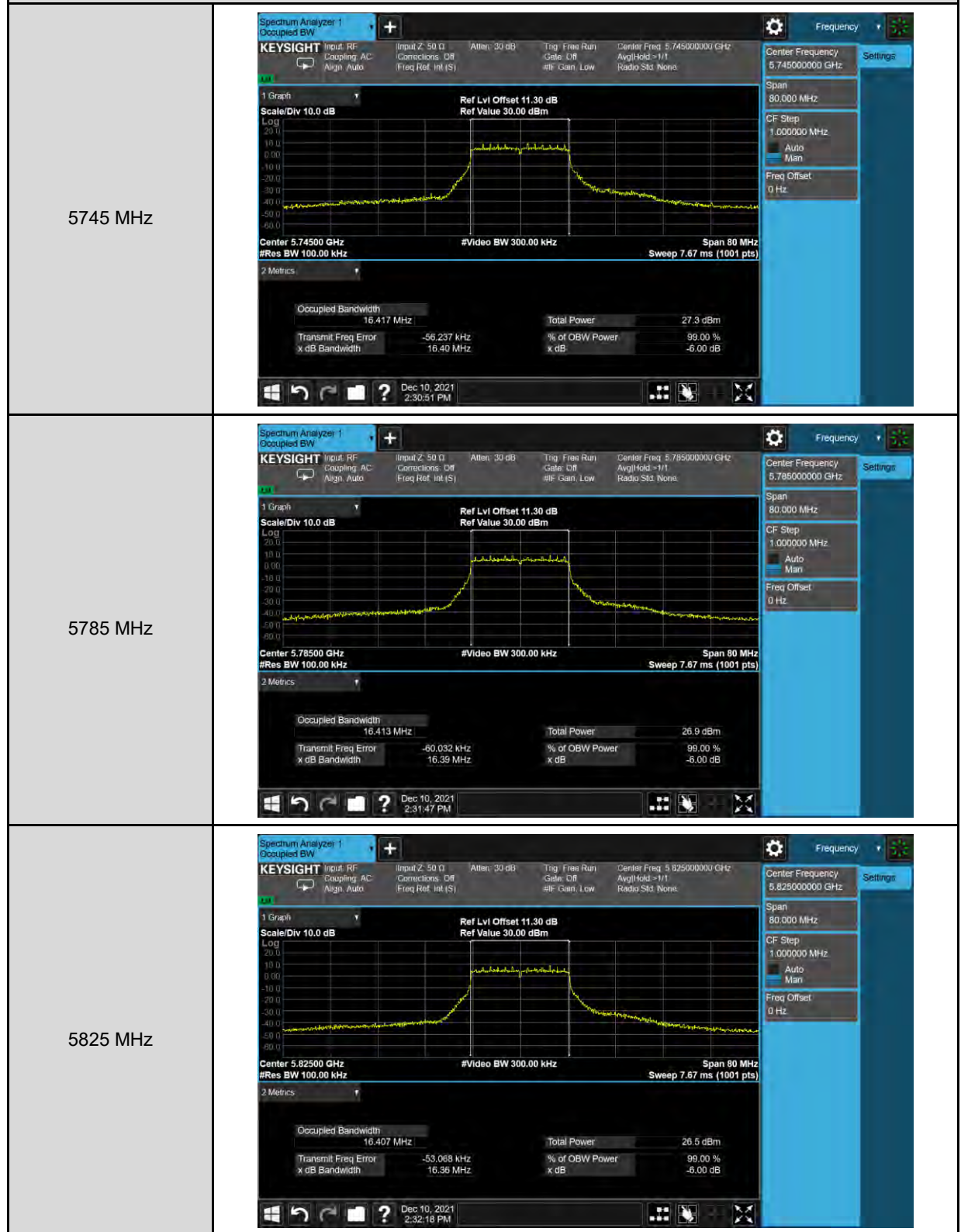


6 dB RF Bandwidth Measurement

Test Mode	Frequency (MHz)	ANT-0	ANT-1	ANT-2	ANT-3	Limit (kHz)
		Measurement Results (MHz)	Measurement Results (MHz)	Measurement Results (MHz)	Measurement Results (MHz)	
Mode 2	5745.0	16400	16400	16420	16410	≥ 500
	5785.0	16390	16350	16370	16390	≥ 500
	5825.0	16360	16390	16360	16430	≥ 500
Mode 5	5745.0	17570	17600	17230	16800	≥ 500
	5785.0	17530	17430	17740	17380	≥ 500
	5825.0	17560	17010	17590	17830	≥ 500
Mode 6	5755.0	35450	34050	35790	33240	≥ 500
	5795.0	35910	35450	35890	34430	≥ 500
Mode 7	5775.0	75860	76050	76090	76590	≥ 500

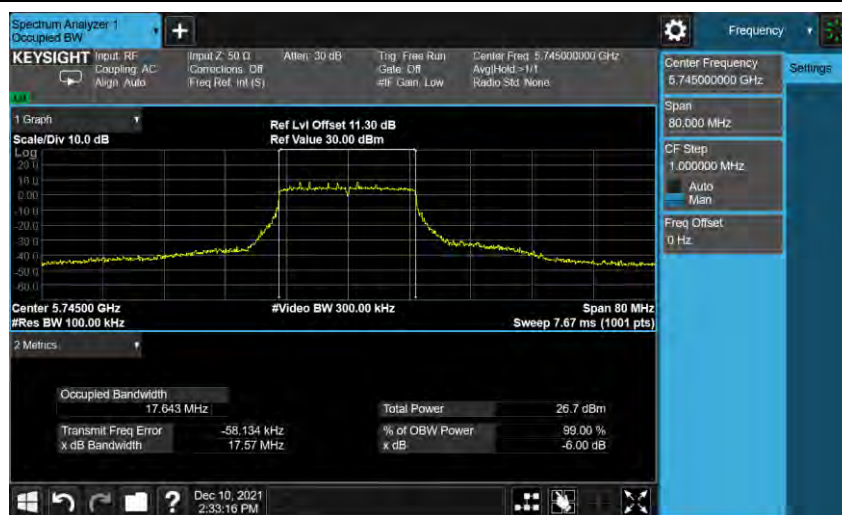
■ Test Graphs

Mode 2: IEEE 802.11a Continuous TX mode_ANT-0

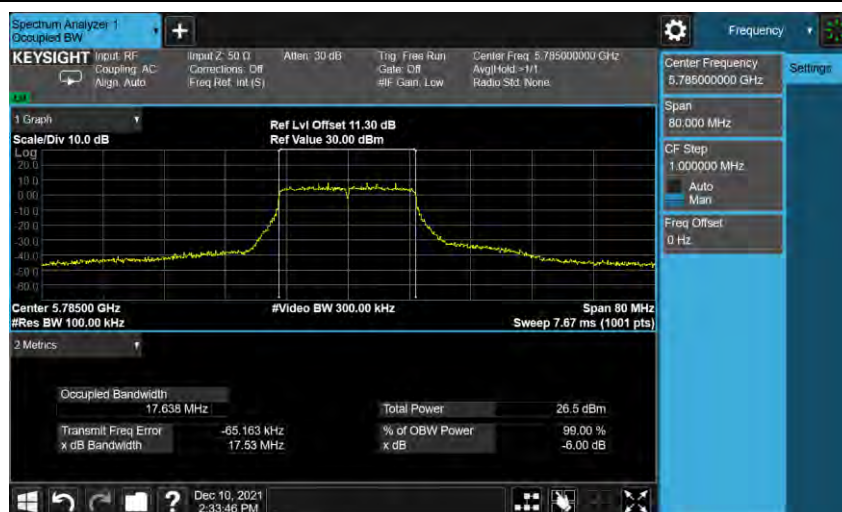


Mode 5: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-0

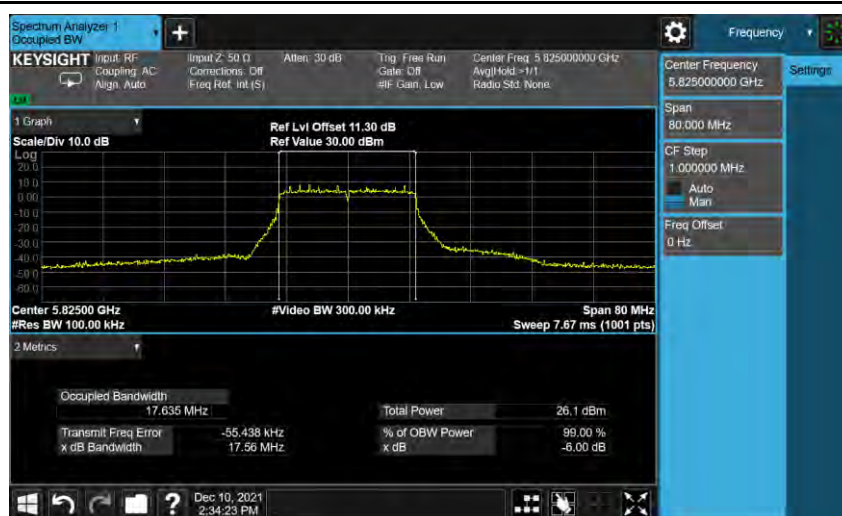
5745 MHz



5785 MHz

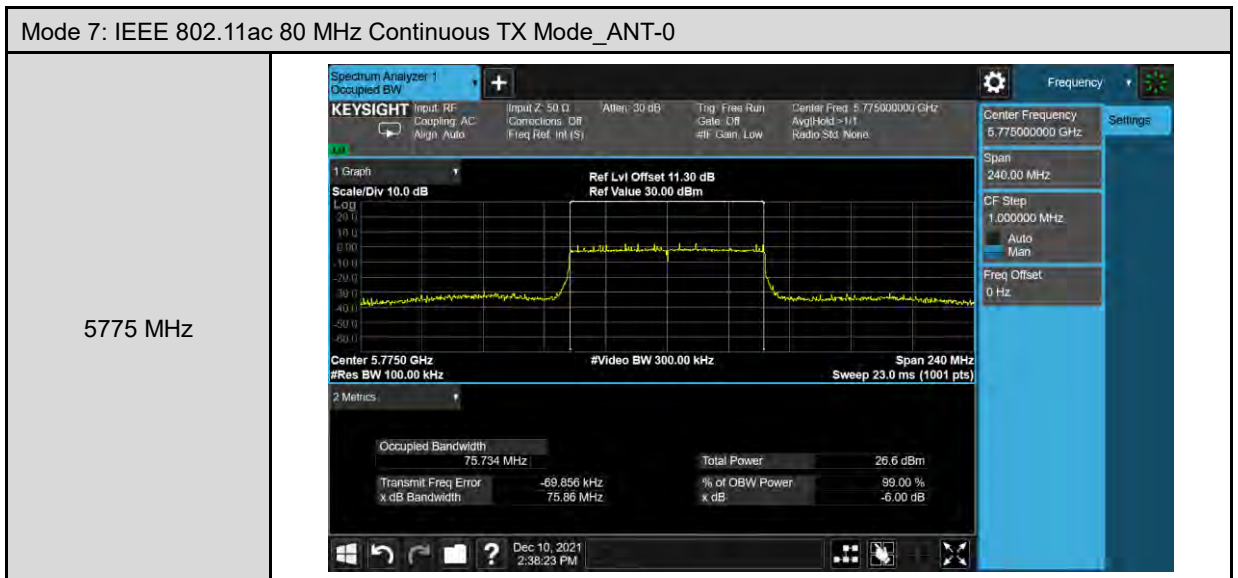


5825 MHz

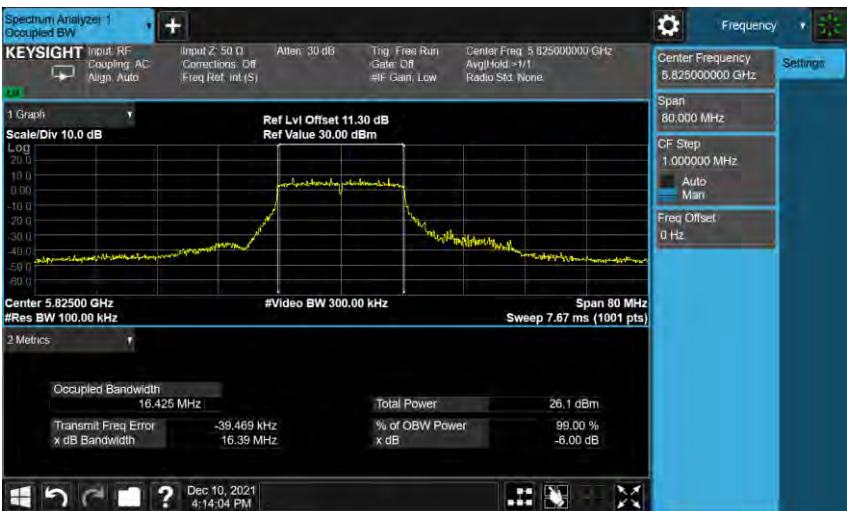


Mode 6: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-0

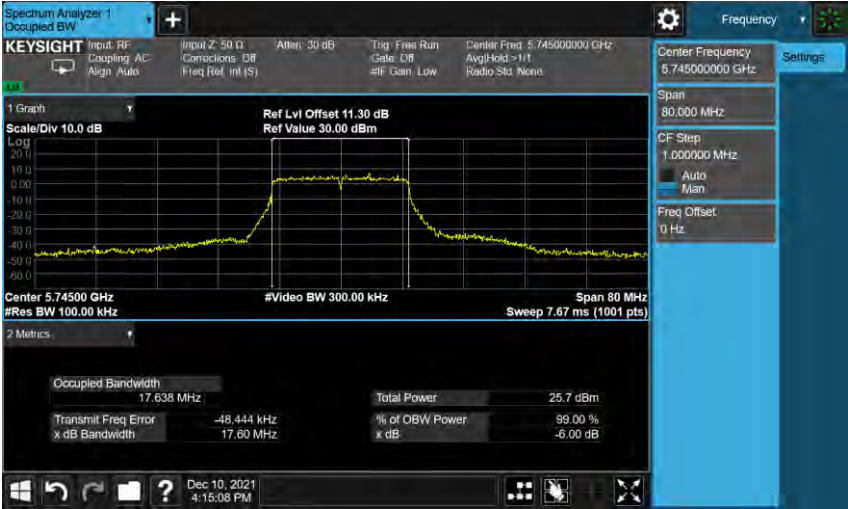
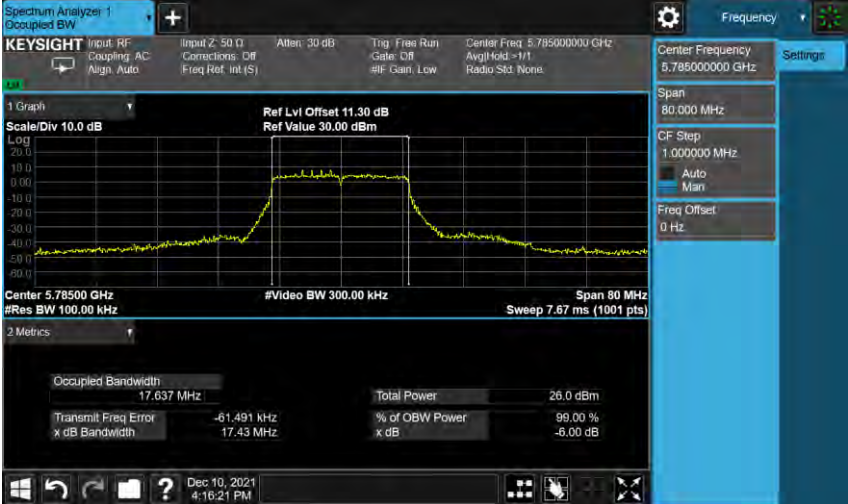
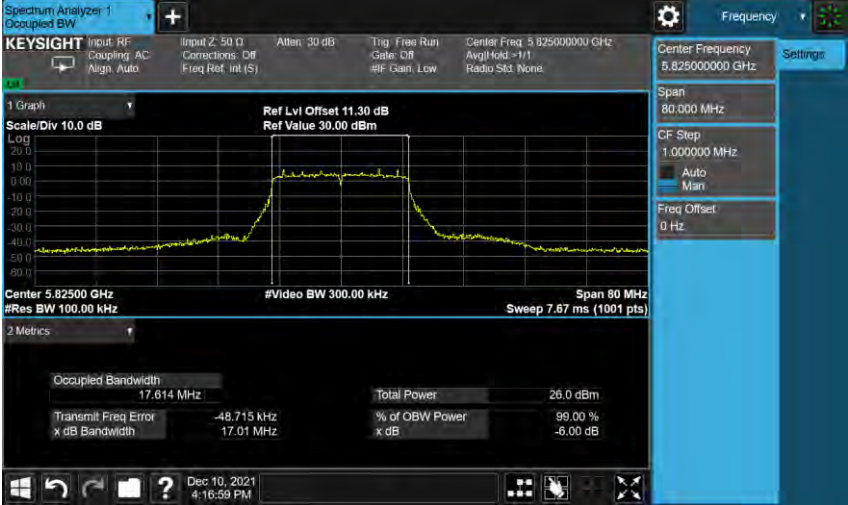




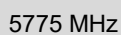
Mode 2: IEEE 802.11a Continuous TX mode_ANT-1

5745 MHz	 Keysight Spectrum Analyzer 1 Center Frequency: 5.74500000 GHz Span: 80.000 MHz CF Step: 1.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 16.431 MHz Total Power: 26.8 dBm Transmitt Freq Error: -39.086 kHz % of OBW Power: 99.00 % x dB Bandwidth: 16.40 MHz x dB: -6.00 dB
5785 MHz	 Keysight Spectrum Analyzer 1 Center Frequency: 5.78500000 GHz Span: 80.000 MHz CF Step: 1.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 16.436 MHz Total Power: 26.4 dBm Transmitt Freq Error: -46.864 kHz % of OBW Power: 99.00 % x dB Bandwidth: 16.35 MHz x dB: -6.00 dB
5825 MHz	 Keysight Spectrum Analyzer 1 Center Frequency: 5.82500000 GHz Span: 80.000 MHz CF Step: 1.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 16.425 MHz Total Power: 26.1 dBm Transmitt Freq Error: -39.469 kHz % of OBW Power: 99.00 % x dB Bandwidth: 16.39 MHz x dB: -6.00 dB

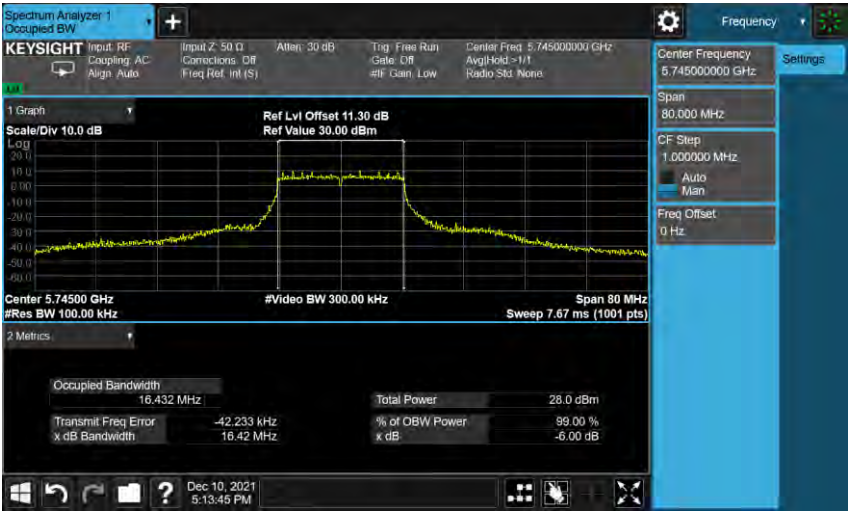
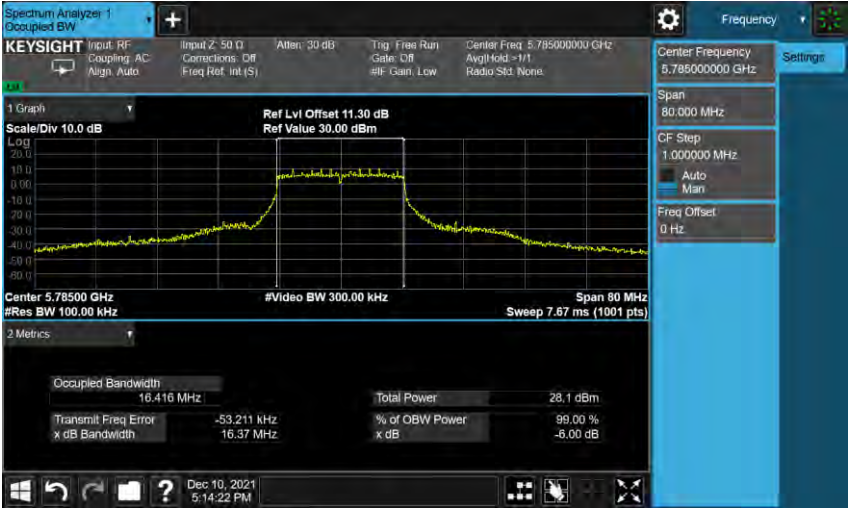
Mode 5: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-1

5745 MHz	 Center Frequency: 5.74500000 GHz Span: 80.000 MHz CF Step: 1.000000 MHz Auto Man Freq Offset: 0 Hz Occupied Bandwidth: 17.638 MHz Total Power: 25.7 dBm Transmit Freq Error: -48.444 kHz % of OBW Power: 99.00 % x dB Bandwidth: 17.60 MHz x dB: -6.00 dB
5785 MHz	 Center Frequency: 5.78500000 GHz Span: 80.000 MHz CF Step: 1.000000 MHz Auto Man Freq Offset: 0 Hz Occupied Bandwidth: 17.637 MHz Total Power: 26.0 dBm Transmit Freq Error: -61.491 kHz % of OBW Power: 99.00 % x dB Bandwidth: 17.43 MHz x dB: -6.00 dB
5825 MHz	 Center Frequency: 5.82500000 GHz Span: 80.000 MHz CF Step: 1.000000 MHz Auto Man Freq Offset: 0 Hz Occupied Bandwidth: 17.614 MHz Total Power: 26.0 dBm Transmit Freq Error: -48.715 kHz % of OBW Power: 99.00 % x dB Bandwidth: 17.01 MHz x dB: -6.00 dB



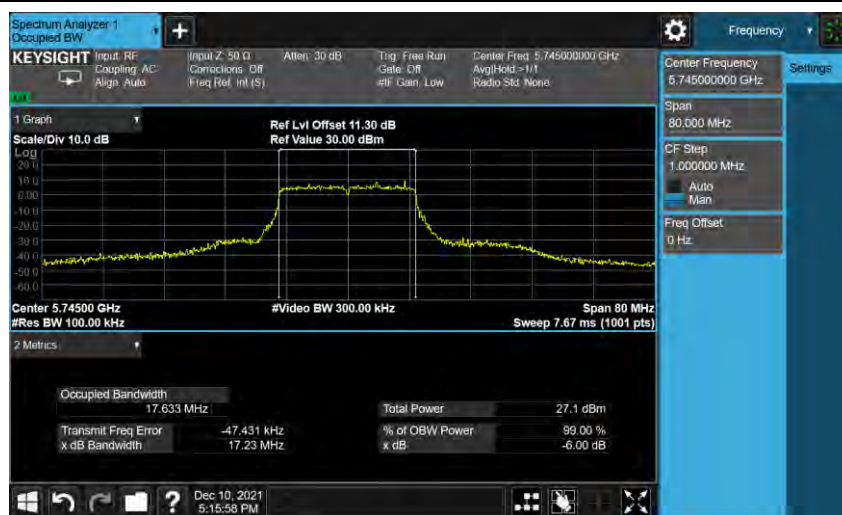


Mode 2: IEEE 802.11a Continuous TX mode_ANT-2

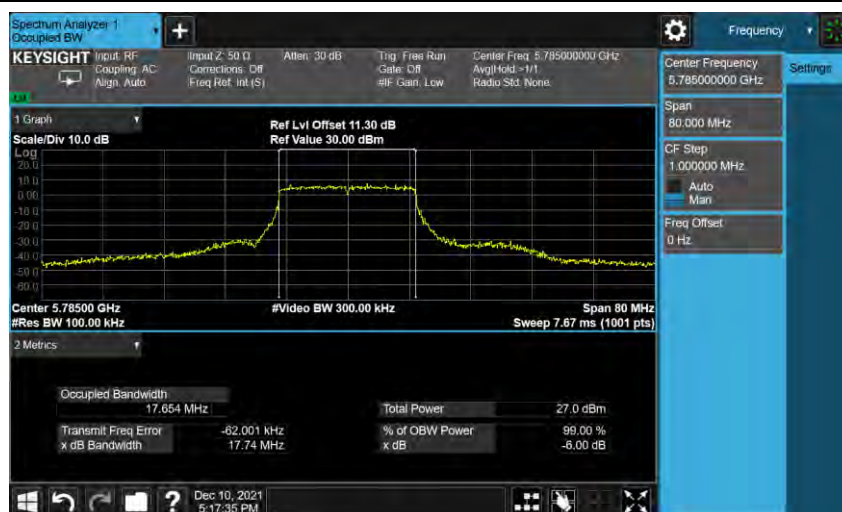
5745 MHz	 Center Frequency: 5.74500000 GHz Span: 80.000 MHz CF Step: 1.000000 MHz Freq Offset: 0 Hz Center 5.74500 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 80 MHz Sweep 7.67 ms (1001 pts) 2 Metrics Occupied Bandwidth: 16.432 MHz Total Power: 28.0 dBm Transmit Freq Error: -42.233 kHz % of OBW Power: 99.00 % x dB Bandwidth: 16.42 MHz x dB: -6.00 dB Dec 10, 2021 5:13:45 PM
5785 MHz	 Center Frequency: 5.78500000 GHz Span: 80.000 MHz CF Step: 1.000000 MHz Freq Offset: 0 Hz Center 5.78500 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 80 MHz Sweep 7.67 ms (1001 pts) 2 Metrics Occupied Bandwidth: 16.416 MHz Total Power: 28.1 dBm Transmit Freq Error: -53.211 kHz % of OBW Power: 99.00 % x dB Bandwidth: 16.37 MHz x dB: -6.00 dB Dec 10, 2021 5:14:22 PM
5825 MHz	 Center Frequency: 5.82500000 GHz Span: 80.000 MHz CF Step: 1.000000 MHz Freq Offset: 0 Hz Center 5.82500 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 80 MHz Sweep 7.67 ms (1001 pts) 2 Metrics Occupied Bandwidth: 16.421 MHz Total Power: 28.0 dBm Transmit Freq Error: -43.300 kHz % of OBW Power: 99.00 % x dB Bandwidth: 16.36 MHz x dB: -6.00 dB Dec 10, 2021 5:14:53 PM

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

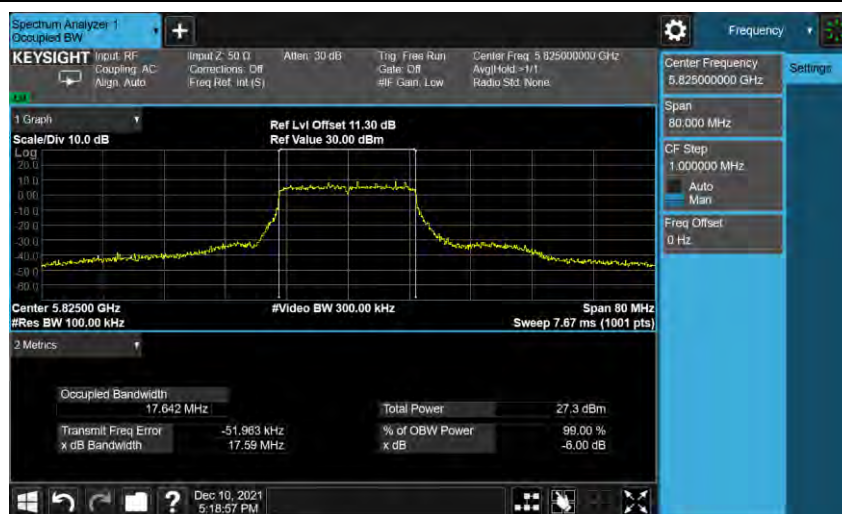
5745 MHz



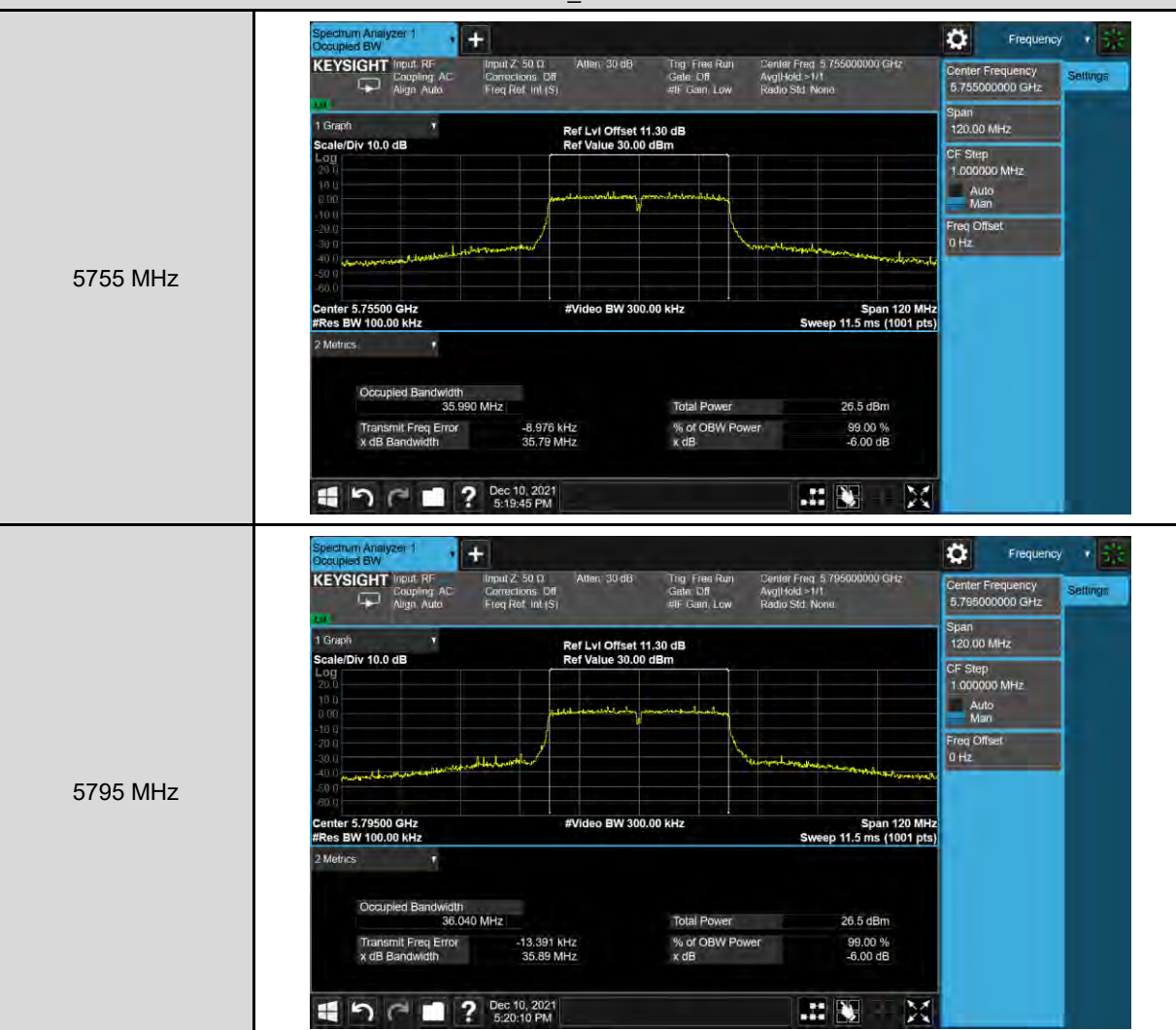
5785 MHz

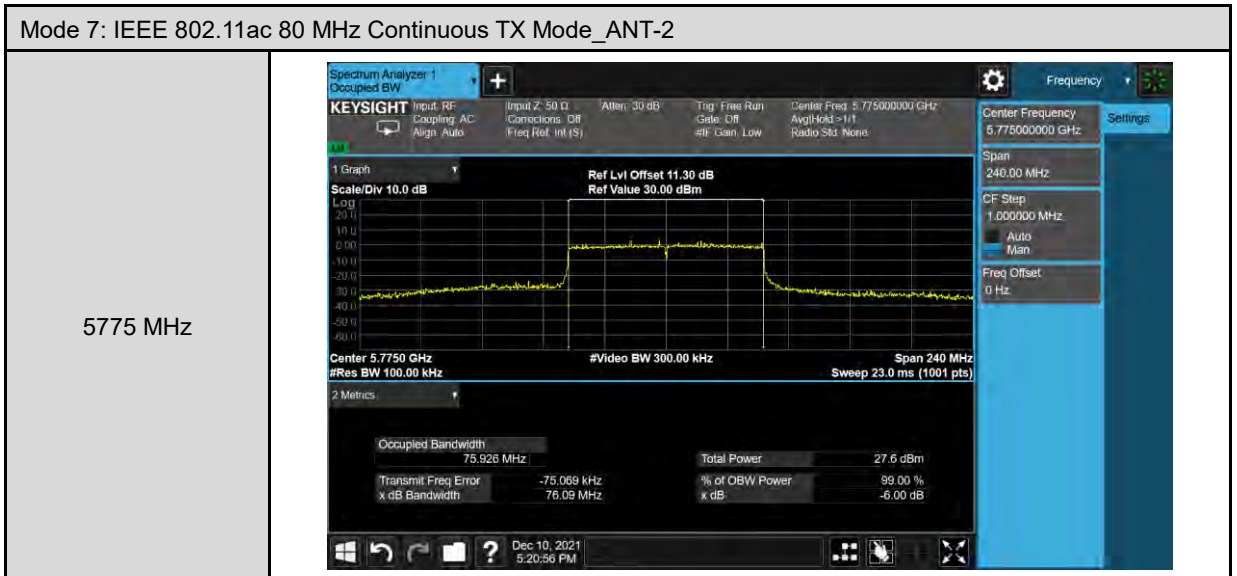


5825 MHz

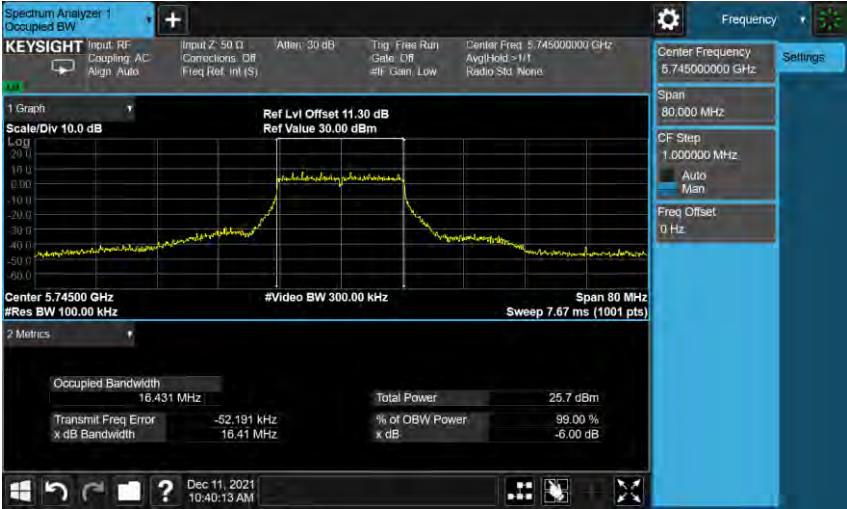
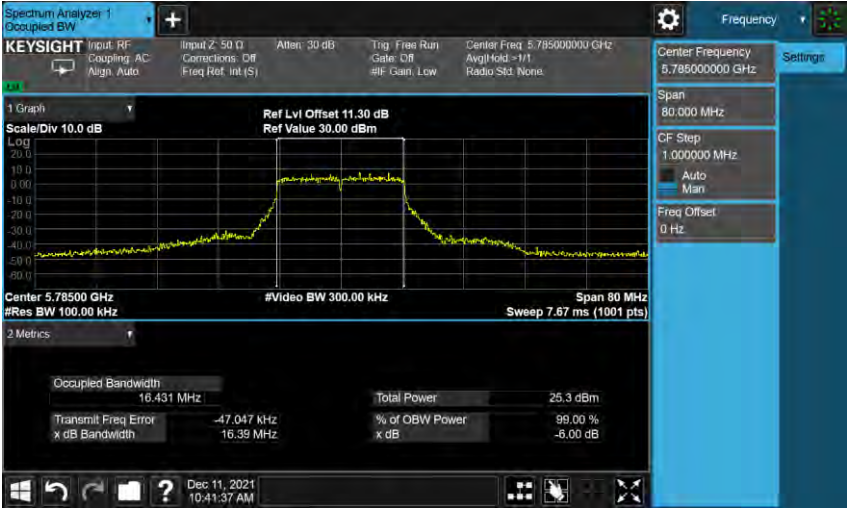


Mode 6: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-2





Mode 2: IEEE 802.11a Continuous TX mode_ANT-3

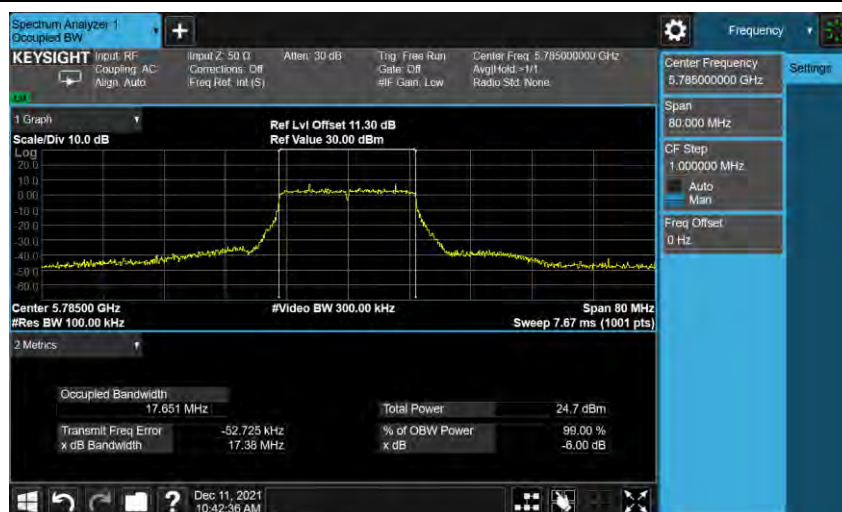
5745 MHz	
5785 MHz	
5825 MHz	

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

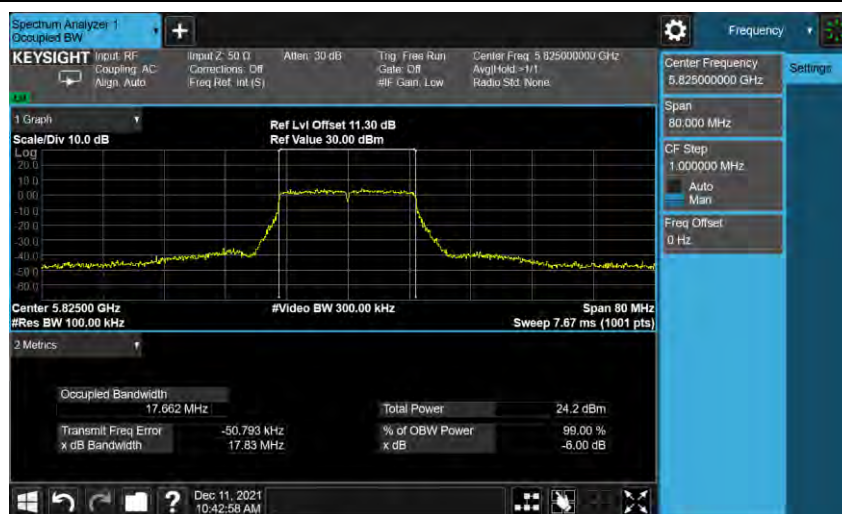
5745 MHz



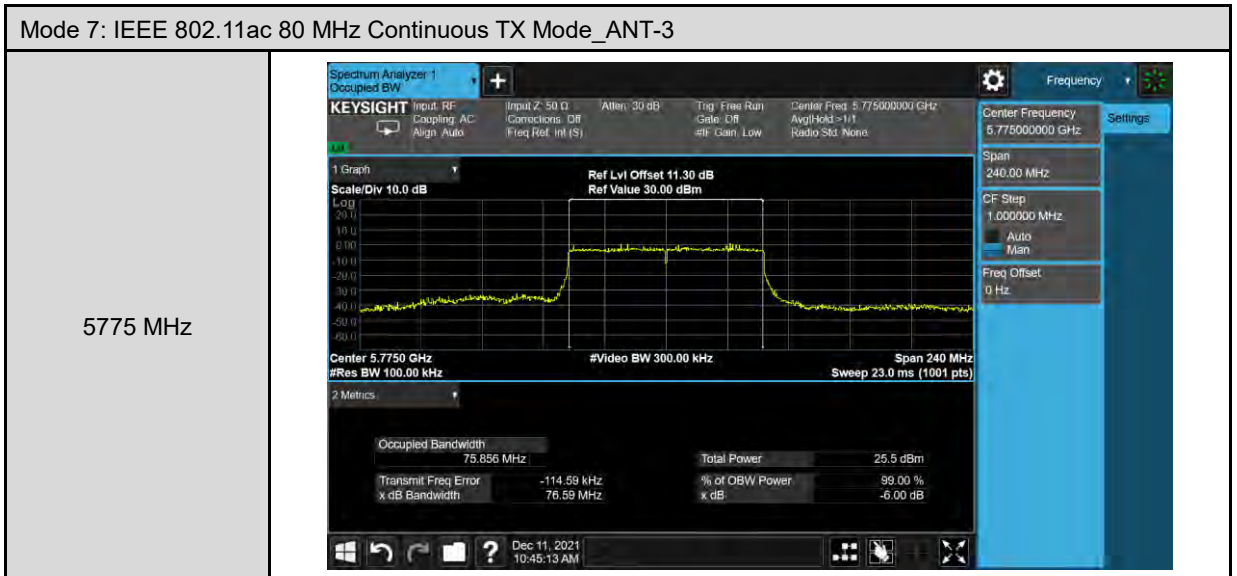
5785 MHz



5825 MHz







Maximum Power Spectral Density Measurement

Mode 2	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 2	5180.0	6.020	0.094	6.114	5.489	0.094	5.583	≤ 12.51
	5200.0	6.098	0.094	6.192	5.346	0.094	5.440	≤ 12.51
	5240.0	6.370	0.094	6.464	5.691	0.094	5.785	≤ 12.51

Mode 2	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 2	5180.0	5.885	0.094	5.979	4.578	0.094	4.672	≤ 12.51
	5200.0	5.876	0.094	5.970	4.579	0.094	4.673	≤ 12.51
	5240.0	6.108	0.094	6.202	4.940	0.094	5.034	≤ 12.51

Mode 2	Frequency (MHz)	ANT-0+1+2+3	Limit
		(dBm/MHz)	(dBm/MHz)
	5180.0	11.643	≤ 12.51
	5200.0	11.628	≤ 12.51
	5240.0	11.925	≤ 12.51

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

Mode 2	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)	
	5745.0	-0.767	0.094	6.317	-0.790	0.094	6.294	≤ 24.53
	5785.0	-0.603	0.094	6.481	-0.814	0.094	6.270	≤ 24.53
	5825.0	-1.188	0.094	5.896	-0.938	0.094	6.146	≤ 24.53

Mode 2	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)	
	5745.0	-0.850	0.094	6.234	-1.376	0.094	5.708	≤ 24.53
	5785.0	-1.011	0.094	6.073	-1.874	0.094	5.210	≤ 24.53
	5825.0	-0.912	0.094	6.172	-1.979	0.094	5.105	≤ 24.53

Mode 2	Frequency (MHz)	ANT-0+1+2+3	Limit
		Calculated (dBm/500 kHz)	(dBm/500 kHz)
	5745.0	12.166	≤ 24.53
	5785.0	12.055	≤ 24.53
	5825.0	11.871	≤ 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)

Mode 5	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)	
	5180.0	7.062	0.383	7.445	6.739	0.383	7.122	≤ 17.00
	5200.0	7.280	0.383	7.663	6.618	0.383	7.001	≤ 17.00
	5240.0	7.558	0.383	7.941	6.626	0.383	7.009	≤ 17.00

Mode 5	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)	
	5180.0	6.769	0.383	7.152	5.662	0.383	6.045	≤ 17.00
	5200.0	6.920	0.383	7.303	5.816	0.383	6.199	≤ 17.00
	5240.0	7.219	0.383	7.602	5.569	0.383	5.952	≤ 17.00

Mode 5	Frequency (MHz)	ANT-0+1+2+3	Limit
		(dBm/MHz)	(dBm/MHz)
	5180.0	12.993	≤ 17.00
	5200.0	13.095	≤ 17.00
	5240.0	13.210	≤ 17.00

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

Mode 5	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)	
	5745.0	-2.684	0.383	4.688	-2.458	0.383	4.914	≤ 30.00
	5785.0	-2.641	0.383	4.731	-2.673	0.383	4.699	≤ 30.00
	5825.0	-3.087	0.383	4.285	-2.920	0.383	4.452	≤ 30.00

Mode 5	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)	
	5745.0	-2.593	0.383	4.779	-2.908	0.383	4.464	≤ 30.00
	5785.0	-2.492	0.383	4.880	-3.082	0.383	4.290	≤ 30.00
	5825.0	-2.587	0.383	4.785	-3.186	0.383	4.186	≤ 30.00

Mode 5	Frequency (MHz)	ANT-0+1+2+3	Limit
		Calculated (dBm/500 kHz)	(dBm/500 kHz)
	5745.0	10.735	≤ 30.00
	5785.0	10.676	≤ 30.00
	5825.0	10.454	≤ 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)

Mode 6	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)	
	5190.0	1.578	0.041	1.619	1.731	0.041	1.772	≤ 17.00
	5230.0	4.257	0.041	4.298	3.516	0.041	3.557	≤ 17.00

Mode 6	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)	
	5190.0	2.099	0.041	2.140	3.399	0.041	3.440	≤ 17.00
	5230.0	3.903	0.041	3.944	2.223	0.041	2.264	≤ 17.00

Mode 6	Frequency (MHz)	ANT-0+1+2+3	Limit
		(dBm/MHz)	(dBm/MHz)
	5190.0	8.325	≤ 17.00
	5230.0	9.601	≤ 17.00

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

Mode 6	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)	
	5755.0	-6.534	0.041	0.496	-6.039	0.041	0.991	≤ 30.00
	5795.0	-6.725	0.041	0.305	-6.396	0.041	0.634	≤ 30.00

Mode 6	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)	
	5755.0	-5.469	0.041	1.561	-6.914	0.041	0.116	≤ 30.00
	5795.0	-5.317	0.041	1.713	-7.299	0.041	-0.269	≤ 30.00

Mode 6	Frequency (MHz)	ANT-0+1+2+3	Limit
		Calculated (dBm/500 kHz)	(dBm/500 kHz)
	5755.0	6.846	≤ 30.00
	5795.0	6.678	≤ 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)

Mode 7	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	-7.076	0.167	-6.909	-6.845	0.167	-6.678	≤ 17.00

Mode 7	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	-6.787	0.167	-6.620	-5.201	0.167	-5.034	≤ 17.00

Mode 7	Frequency (MHz)	ANT-0+1+2+3	Limit
		(dBm/MHz)	(dBm/MHz)
	5210.0	-0.222	≤ 17.00

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

Mode 7	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)	
	5775.0	-7.085	0.167	0.071	-7.407	0.167	-0.251	≤ 30.00

Mode 7	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)	
	5775.0	-7.306	0.167	-0.150	-8.637	0.167	-1.481	≤ 30.00

Mode 7	Frequency (MHz)	ANT-0+1+2+3		Limit
		(dBm/MHz)		(dBm/MHz)
	5775.0	5.608		≤ 30.00

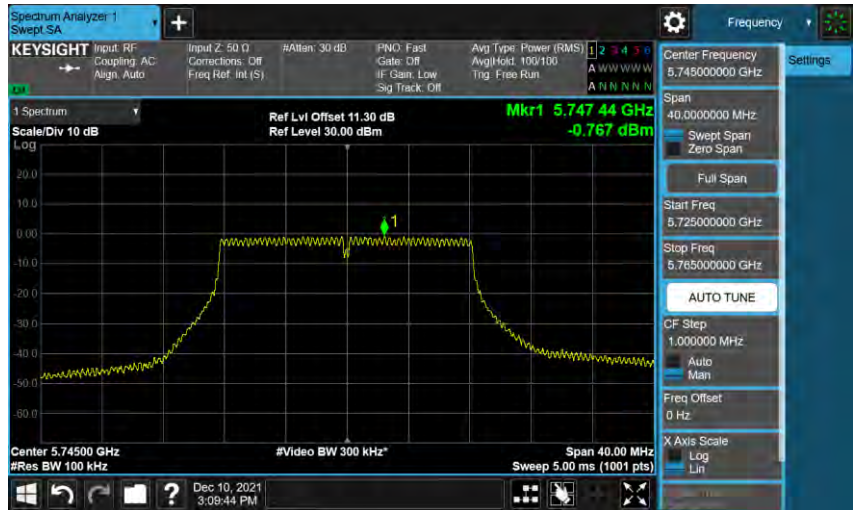
Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

■ Test Graphs

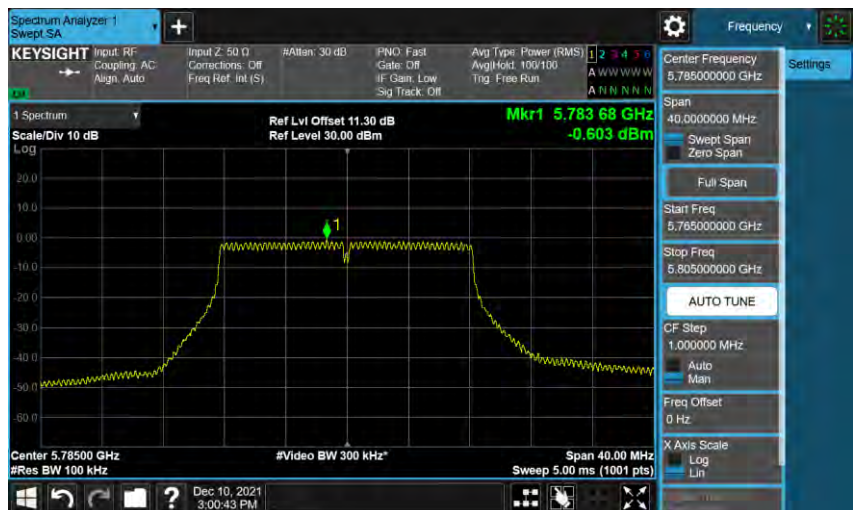


Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0

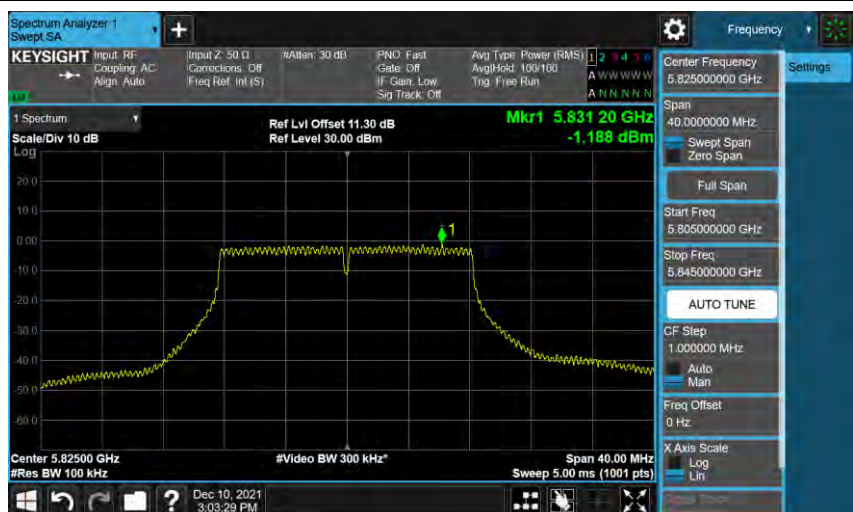
5745 MHz



5785 MHz



5825 MHz



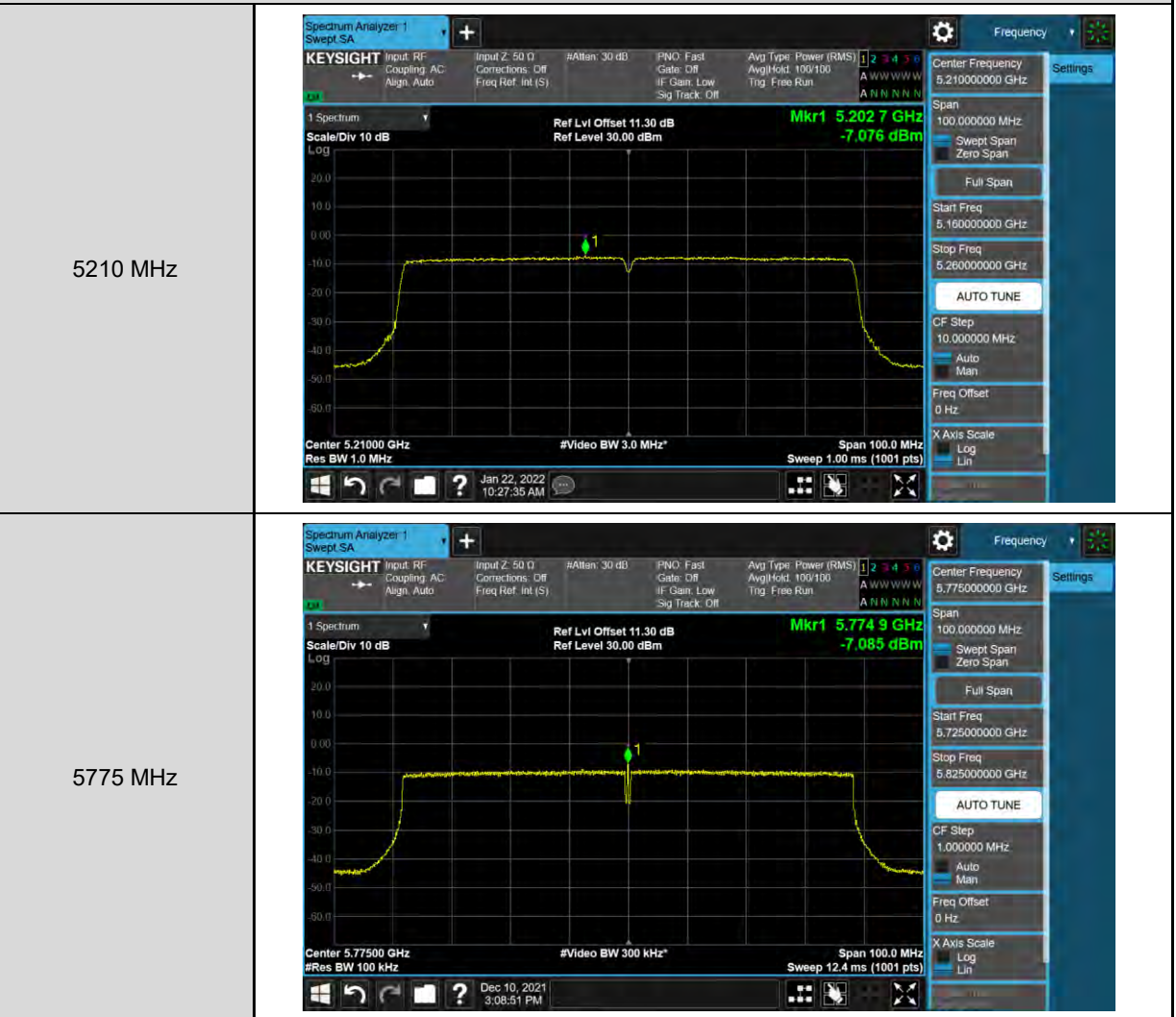




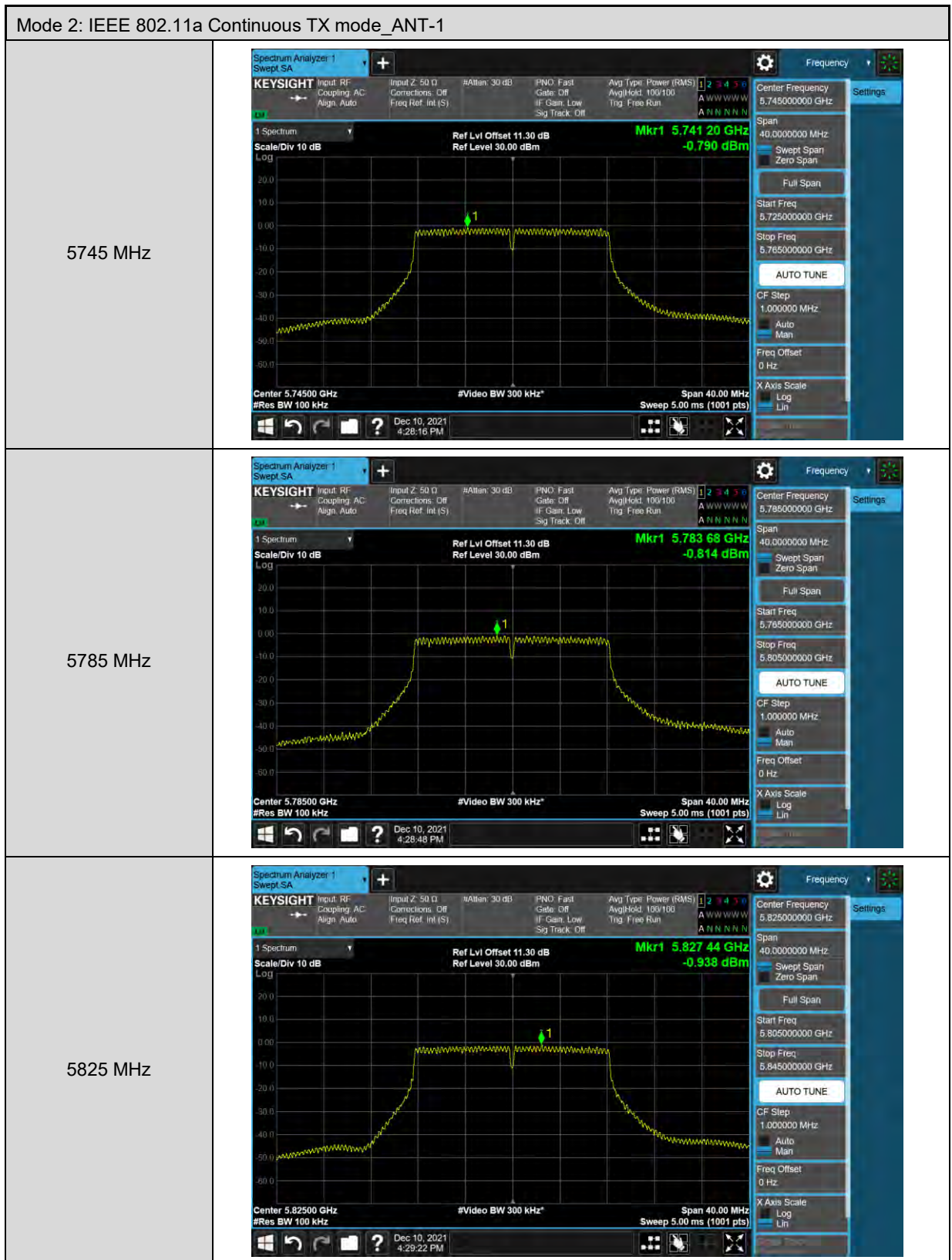




Mode 7: IEEE 802.11ac 80 MHz Continuous TX Mode _ANT-0

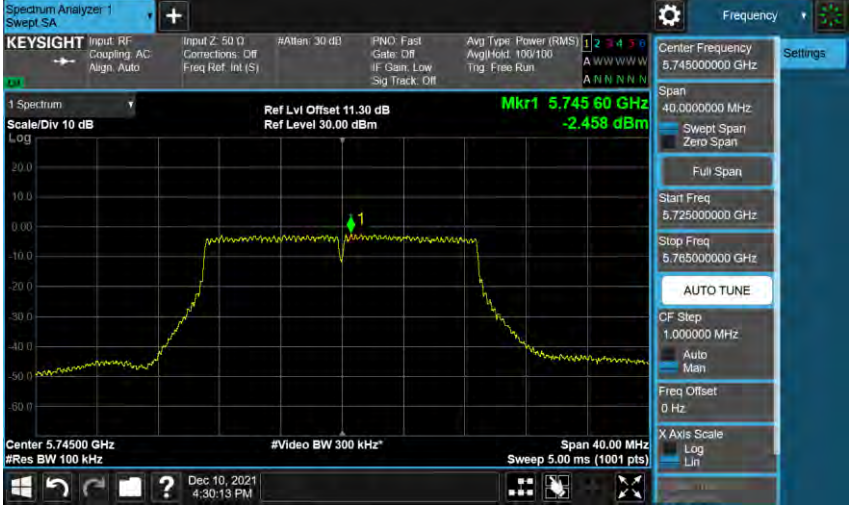
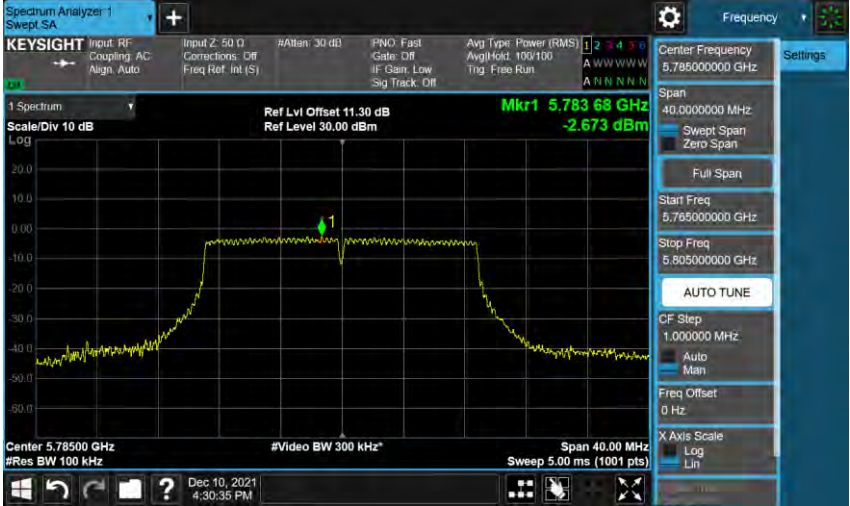






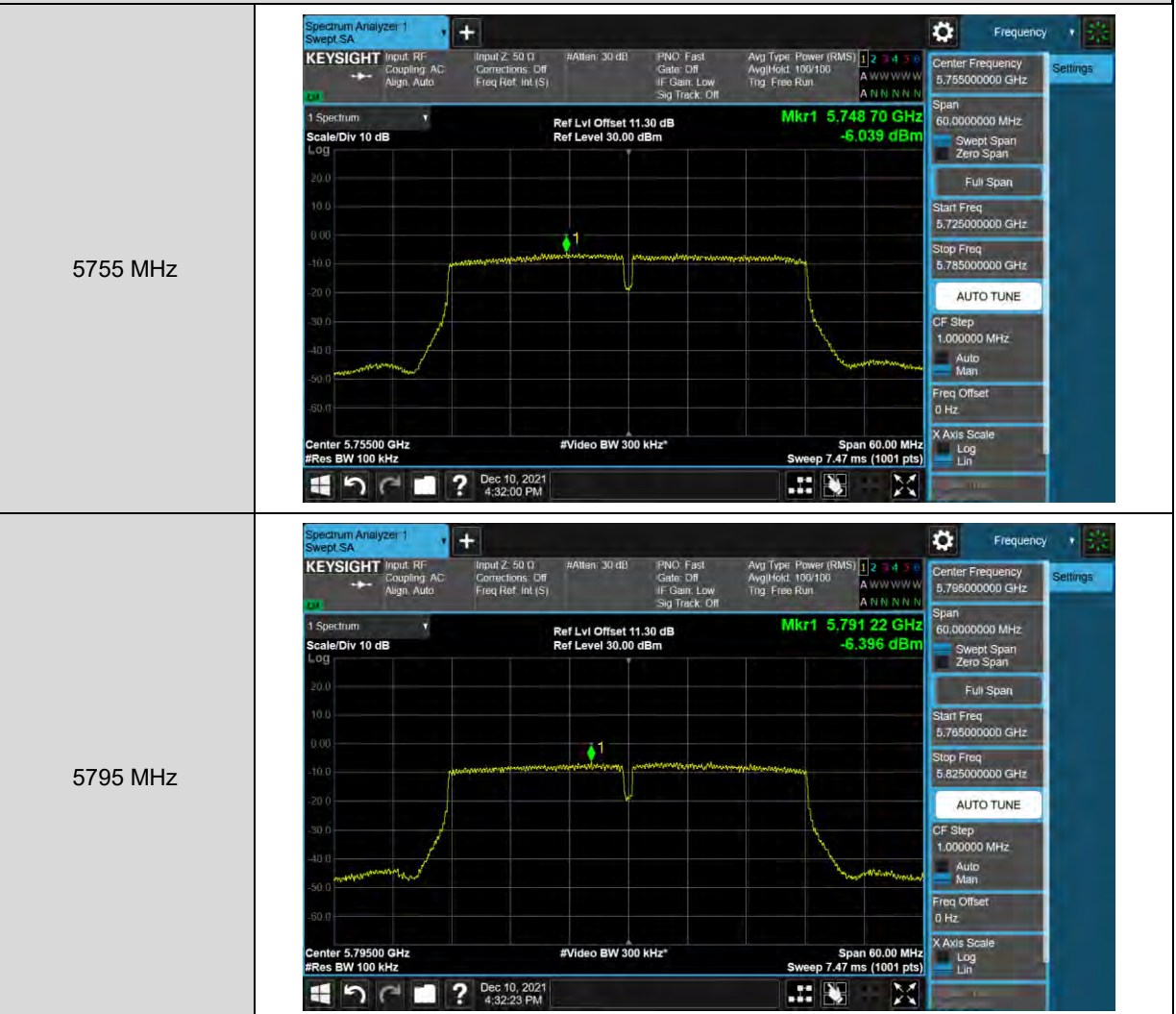


Mode 5: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-1

5745 MHz	 Center 5.74500 GHz #Res BW 100 kHz #Video BW 300 kHz Span 40.00 MHz Sweep 5.00 ms (1001 pts)
5785 MHz	 Center 5.78500 GHz #Res BW 100 kHz #Video BW 300 kHz Span 40.00 MHz Sweep 5.00 ms (1001 pts)
5825 MHz	 Center 5.82500 GHz #Res BW 100 kHz #Video BW 300 kHz Span 40.00 MHz Sweep 5.00 ms (1001 pts)



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

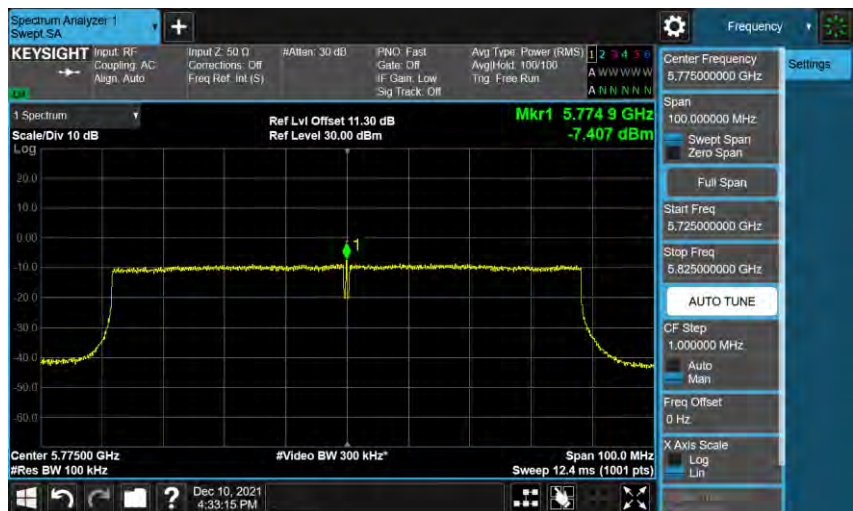


Mode 7: IEEE 802.11ac 80 MHz Continuous TX Mode _ANT-1

5210 MHz



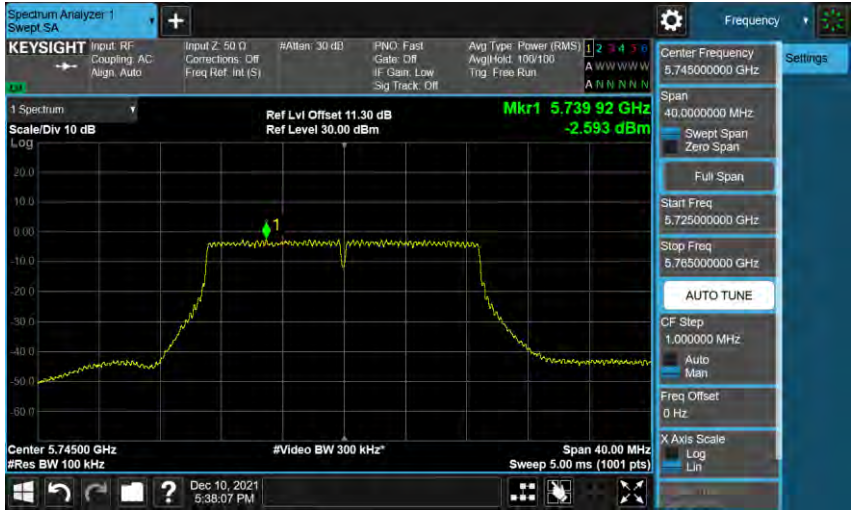
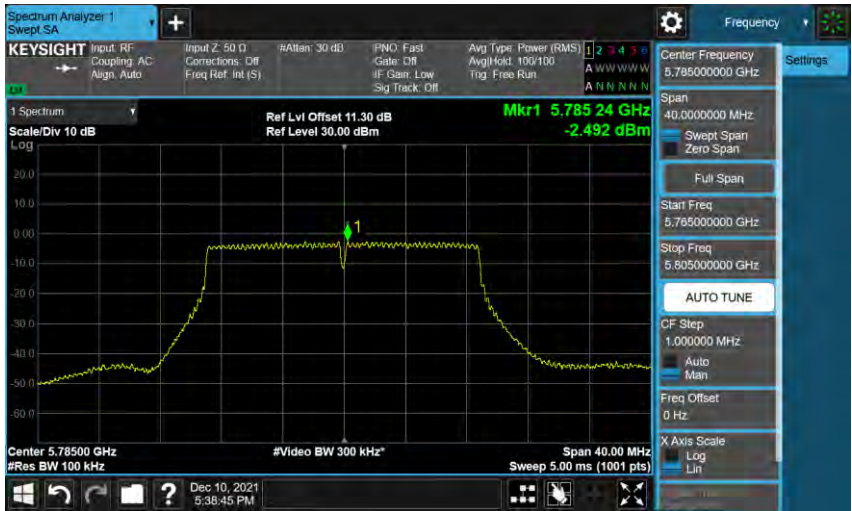
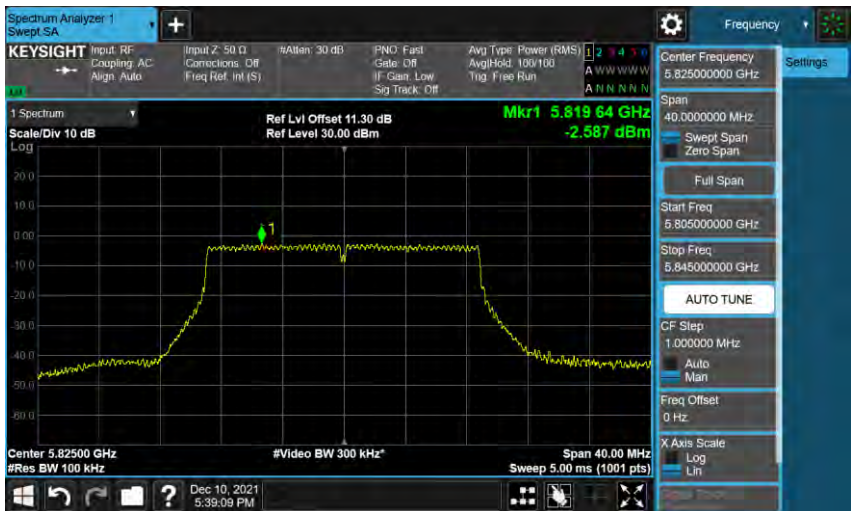
5775 MHz







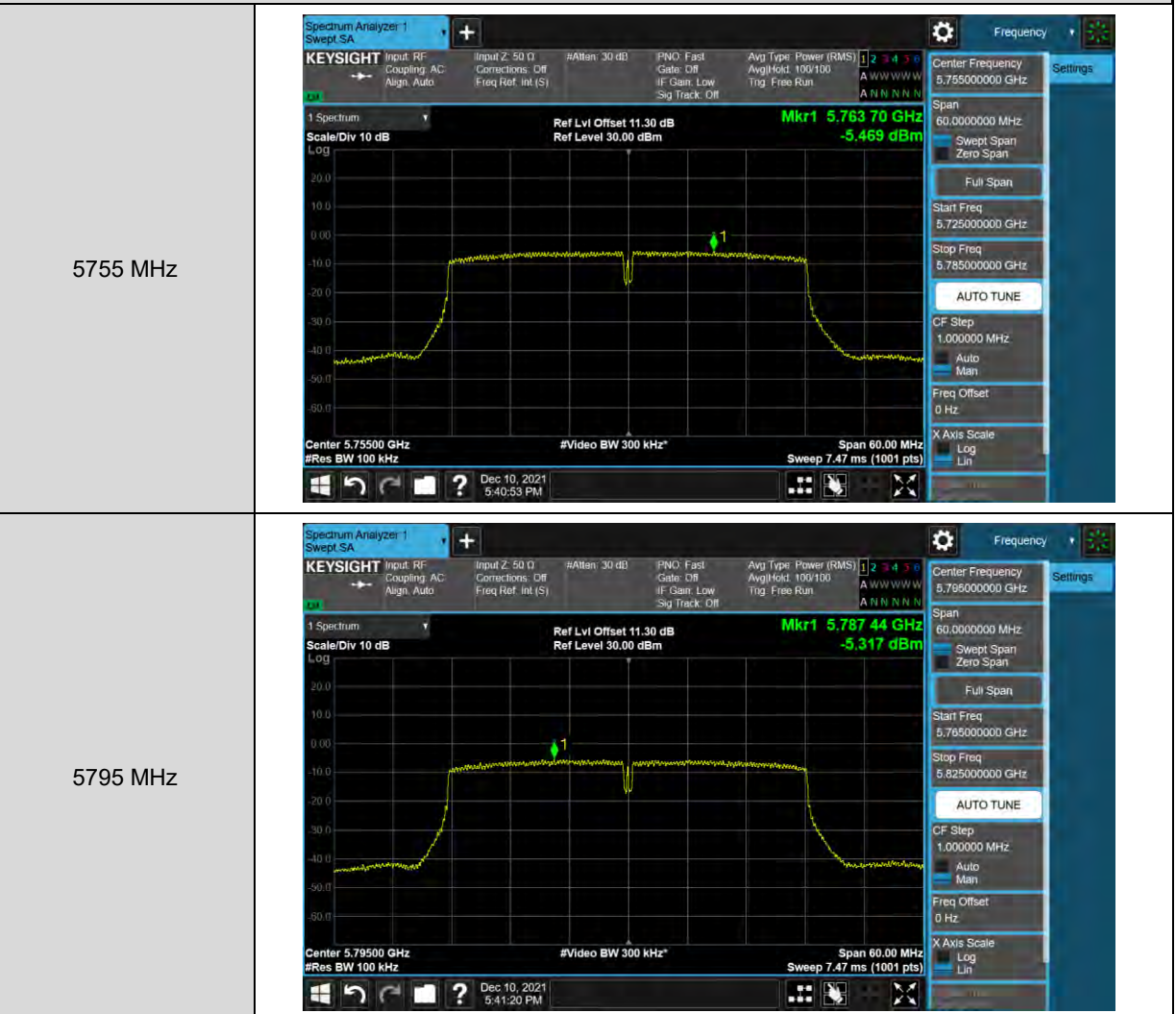


Mode 5: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-2	
5745 MHz	
5785 MHz	
5825 MHz	

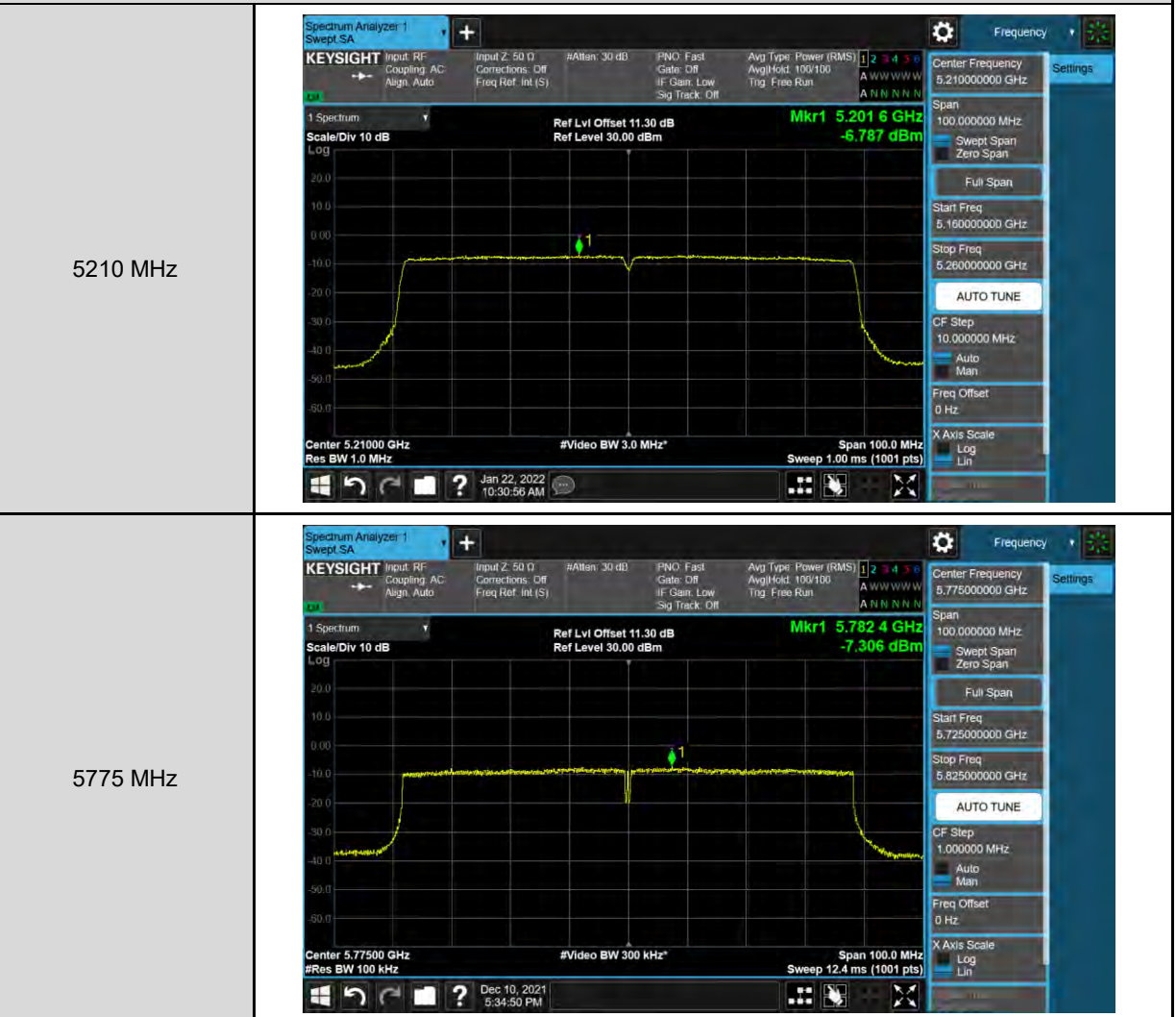
Mode 6: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-2



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

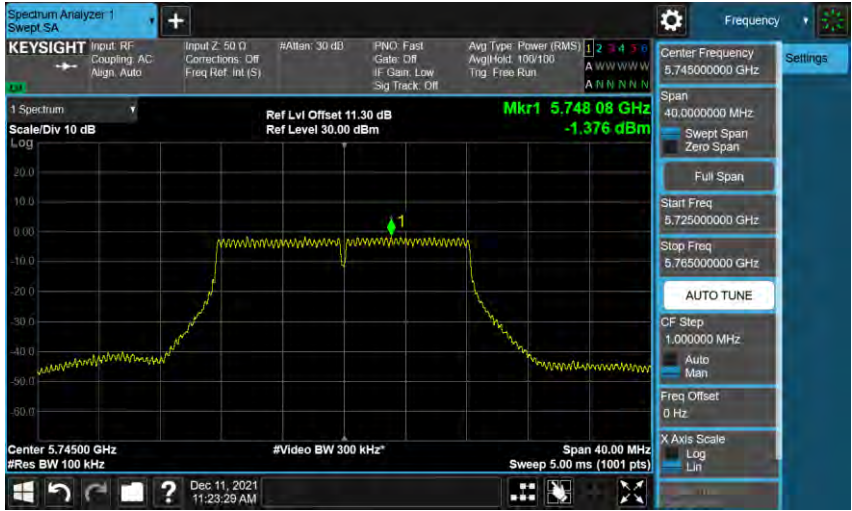
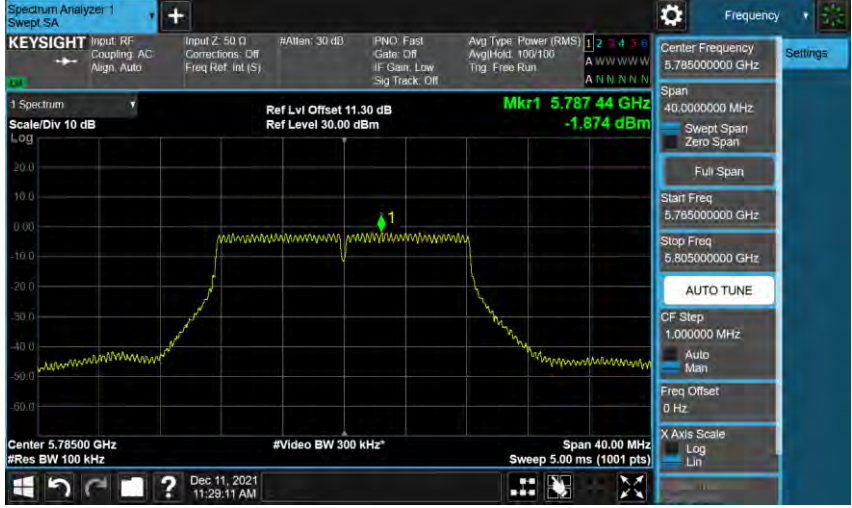
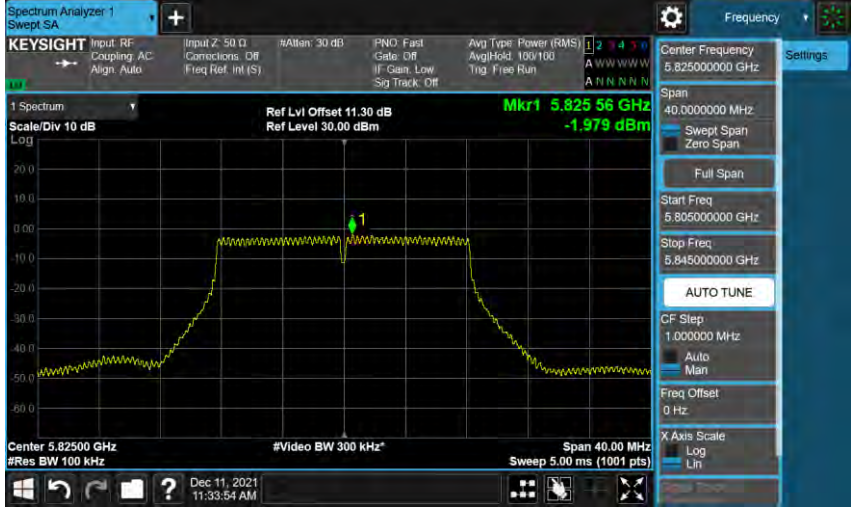


Mode 7: IEEE 802.11ac 80 MHz Continuous TX Mode _ANT-2

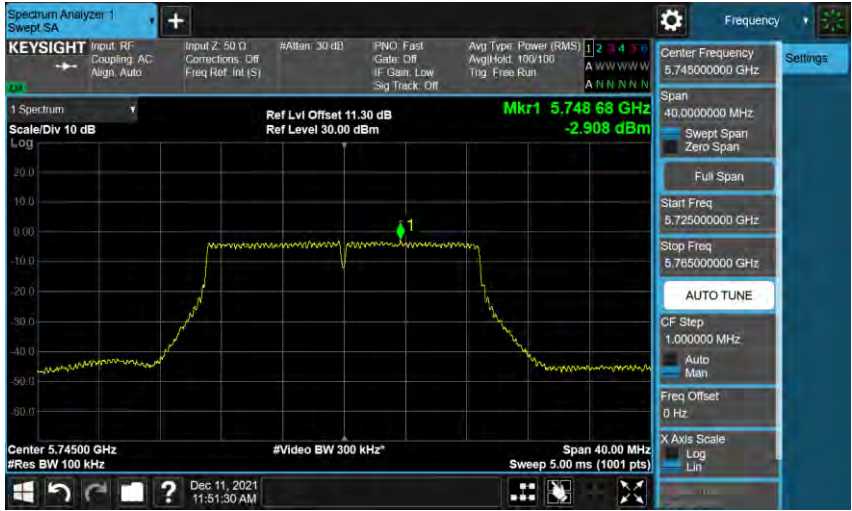
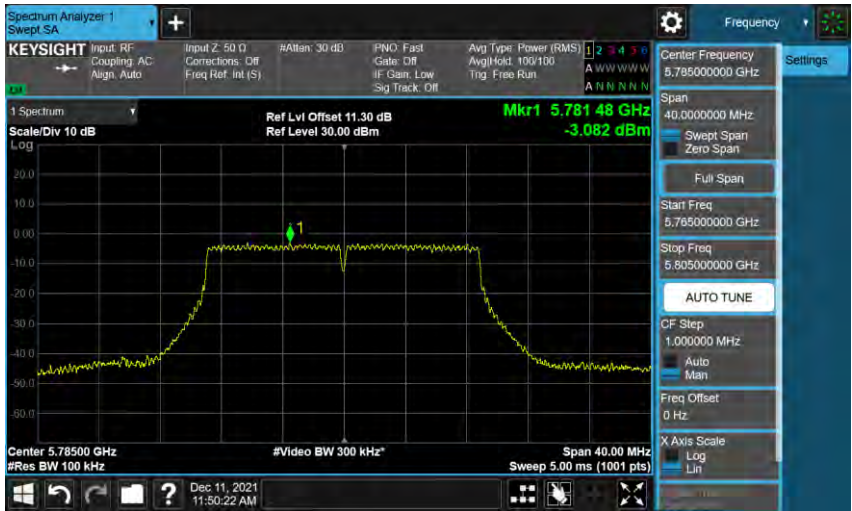
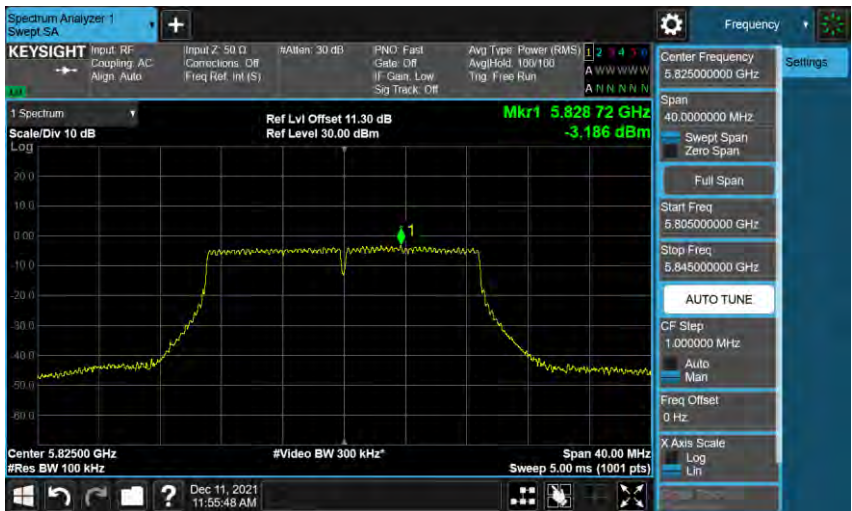




Mode 2: IEEE 802.11a Continuous TX mode_ANT-3

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

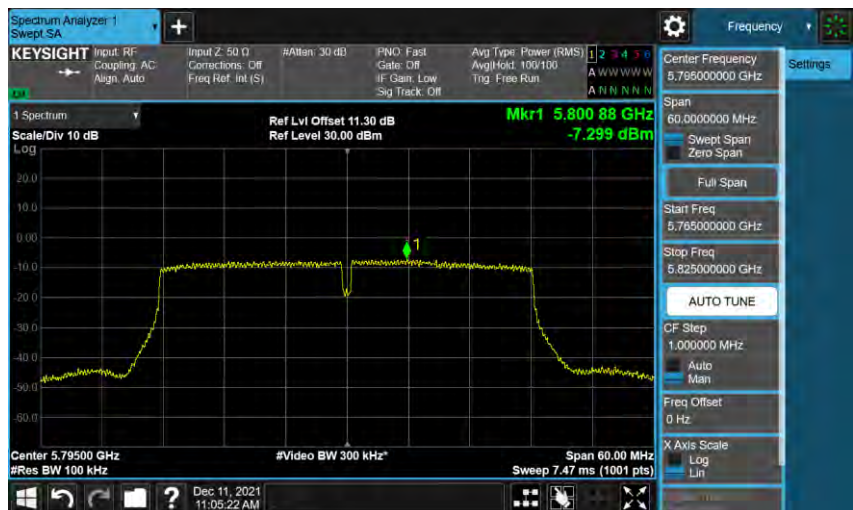


Mode 6: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-3

5755 MHz



5795 MHz





Beamforming on

Maximum Conducted Output Power Measurement

Test Mode	Frequency (MHz)	RF Power setting in Test Software				Test Software Version
		ANT-0	ANT-1	ANT-2	ANT-3	
Mode 3	5180	10.5	10.5	10.5	10.5	QSPR Version 5.0-00188
	5200	10.5	10.5	10.5	10.5	
	5220	10.5	10.5	10.5	10.5	
	5240	10.5	10.5	10.5	10.5	
	5745	10.5	10.5	10.5	10.5	
	5765	10.5	10.5	10.5	10.5	
	5785	10.5	10.5	10.5	10.5	
	5805	10.5	10.5	10.5	10.5	
	5825	10.5	10.5	10.5	10.5	
Mode 4	5190	10.5	10.5	10.5	10.5	
	5230	10.5	10.5	10.5	10.5	
	5755	10.5	10.5	10.5	10.5	
	5795	10.5	10.5	10.5	10.5	
Mode 5	5180	10.5	10.5	10.5	10.5	
	5200	10.5	10.5	10.5	10.5	
	5220	10.5	10.5	10.5	10.5	
	5240	10.5	10.5	10.5	10.5	
	5745	10.5	10.5	10.5	10.5	
	5765	10.5	10.5	10.5	10.5	
	5785	10.5	10.5	10.5	10.5	
	5805	10.5	10.5	10.5	10.5	
	5825	10.5	10.5	10.5	10.5	
Mode 6	5190	10.5	10.5	10.5	10.5	
	5230	10.5	10.5	10.5	10.5	
	5755	10.5	10.5	10.5	10.5	
	5795	10.5	10.5	10.5	10.5	
Mode 7	5210	4.5	4.5	4.5	4.5	
	5775	10.5	10.5	10.5	10.5	

Maximum Conducted Output Power and Transmit power control Measurement

Test Mode		Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode										
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-2		ANT-3		ANT-0+1+2+3		Limit (dBm)
		Max. Output Power										
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	26 M	12.15	0.016	11.70	0.015	12.03	0.016	10.55	0.011	17.67	0.059	≤ 25.51
5200		12.19	0.017	11.72	0.015	12.09	0.016	10.57	0.011	17.71	0.059	≤ 25.51
5220		12.15	0.016	11.65	0.015	12.01	0.016	10.56	0.011	17.66	0.058	≤ 25.51
5240		12.33	0.017	11.81	0.015	12.29	0.017	10.86	0.012	17.88	0.061	≤ 25.51
5745		11.60	0.014	11.72	0.015	12.62	0.018	10.74	0.012	17.74	0.059	≤ 24.53
5765		11.41	0.014	11.49	0.014	12.56	0.018	10.38	0.011	17.55	0.057	≤ 24.53
5785		11.49	0.014	11.51	0.014	12.61	0.018	10.45	0.011	17.60	0.058	≤ 24.53
5805		11.44	0.014	11.48	0.014	12.56	0.018	10.34	0.011	17.55	0.057	≤ 24.53
5825		11.02	0.013	11.23	0.013	12.44	0.018	10.03	0.010	17.29	0.054	≤ 24.53

Test Mode		Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode										
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-2		ANT-3		ANT-0+1+2+3		Limit (dBm)
		Max. Output Power										
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5190	54 M	9.74	0.009	9.91	0.010	10.15	0.010	12.01	0.016	16.58	0.045	≤ 25.51
5230		12.17	0.016	11.63	0.015	11.96	0.016	10.46	0.011	17.62	0.058	≤ 25.51
5755		11.29	0.013	11.38	0.014	12.26	0.017	10.56	0.011	17.44	0.055	≤ 24.53
5795		11.12	0.013	11.29	0.013	12.23	0.017	10.30	0.011	17.31	0.054	≤ 24.53

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		ANT-1		ANT-2		ANT-3		ANT-0+1+2+3		Limit (dBm)
		Max. Output Power										
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	26 M	12.25	0.017	11.81	0.015	12.06	0.016	10.58	0.011	17.74	0.059	≤ 25.51
5200		12.29	0.017	11.78	0.015	12.19	0.017	10.64	0.012	17.79	0.060	≤ 25.51
5220		12.23	0.017	11.75	0.015	12.13	0.016	10.59	0.011	17.74	0.059	≤ 25.51
5240		12.42	0.017	11.93	0.016	12.36	0.017	10.98	0.013	17.98	0.063	≤ 25.51
5745		11.63	0.015	11.75	0.015	12.71	0.019	10.81	0.012	17.80	0.060	≤ 24.53
5765		11.49	0.014	11.60	0.014	12.62	0.018	10.47	0.011	17.63	0.058	≤ 24.53
5785		11.51	0.014	11.62	0.015	12.67	0.018	10.50	0.011	17.66	0.058	≤ 24.53
5805		11.48	0.014	11.59	0.014	12.61	0.018	10.45	0.011	17.62	0.058	≤ 24.53
5825		11.10	0.013	11.33	0.014	12.55	0.018	10.15	0.010	17.39	0.055	≤ 24.53

Test Mode		Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode										
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-2		ANT-3		ANT-0+1+2+3		Limit (dBm)
		Max. Output Power										
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5190	54 M	9.82	0.010	9.99	0.010	10.21	0.010	12.08	0.016	16.65	0.046	≤ 25.51
5230		12.21	0.017	11.75	0.015	12.09	0.016	10.53	0.011	17.71	0.059	≤ 25.51
5755		11.40	0.014	11.46	0.014	12.39	0.017	10.61	0.012	17.53	0.057	≤ 24.53
5795		11.18	0.013	11.43	0.014	12.37	0.017	10.42	0.011	17.43	0.055	≤ 24.53

Test Mode		Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode										
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-2		ANT-3		ANT-0+1+2+3		Limit (dBm)
		Max. Output Power										
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5210	117.2 M	4.60	0.003	4.83	0.003	4.88	0.003	6.32	0.004	11.23	0.013	≤ 25.51
5775		11.75	0.015	11.90	0.015	12.89	0.019	11.02	0.013	17.96	0.063	≤ 24.53

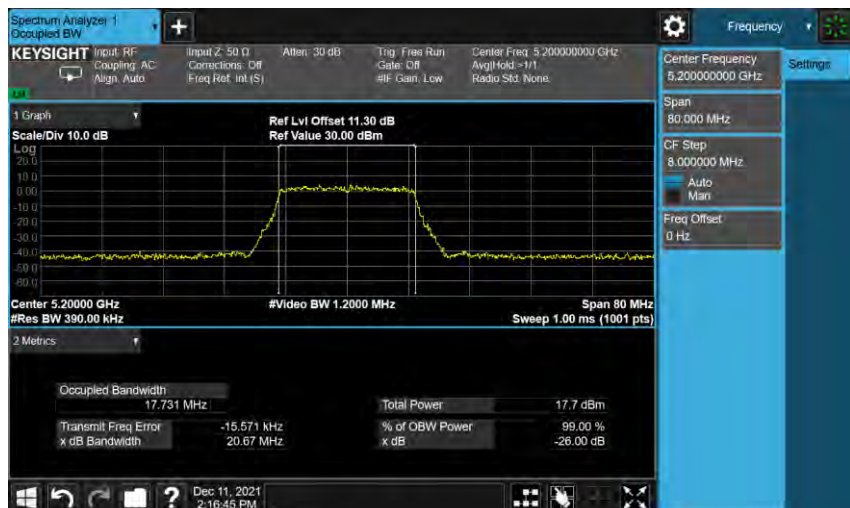
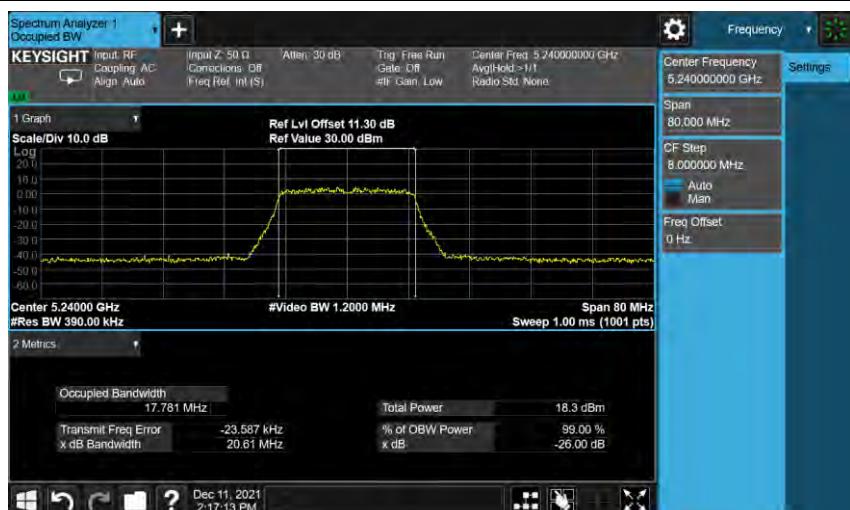
Note: The relevant measured result has the offset with cable loss already.

26 dB RF Bandwidth

Test Mode	Frequency (MHz)	ANT-0	ANT-1	ANT-2	ANT-3
		Measurement Results (MHz)	Measurement Results (MHz)	Measurement Results (MHz)	Measurement Results (MHz)
Mode 5	5180.0	20.480	20.940	20.520	20.420
	5200.0	20.670	20.340	20.490	20.430
	5240.0	20.610	20.620	20.760	20.610
Mode 6	5190.0	39.790	40.010	40.190	39.760
	5230.0	39.700	39.810	39.470	39.360
Mode 7	5210.0	83.770	83.100	83.990	83.980

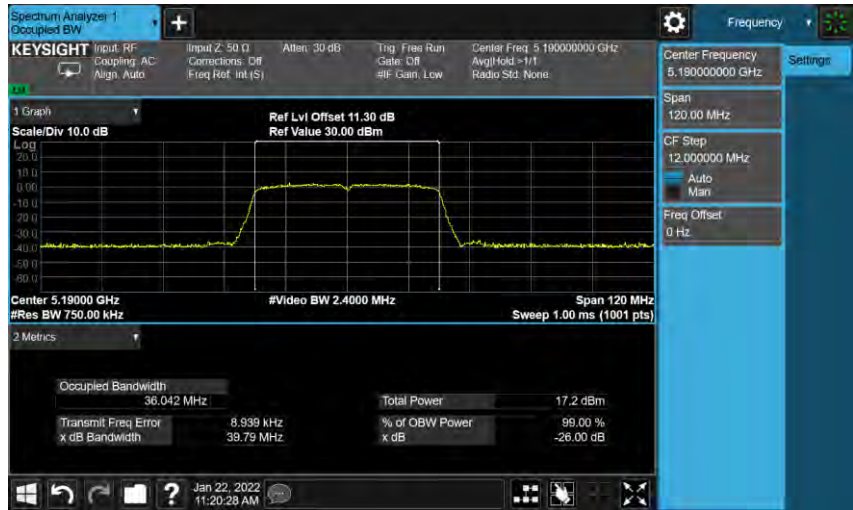
Test Graphs

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

5180 MHz	 Center 5.18000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>17.728 MHz</td><td>Total Power</td><td>18.3 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-15.839 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>20.48 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	17.728 MHz	Total Power	18.3 dBm	Transmit Freq Error	-15.839 kHz	% of OBW Power	99.00 %	x dB Bandwidth	20.48 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.728 MHz	Total Power	18.3 dBm										
Transmit Freq Error	-15.839 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	20.48 MHz	x dB	-26.00 dB										
5200 MHz	 Center 5.20000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>17.731 MHz</td><td>Total Power</td><td>17.7 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-15.571 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>20.67 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	17.731 MHz	Total Power	17.7 dBm	Transmit Freq Error	-15.571 kHz	% of OBW Power	99.00 %	x dB Bandwidth	20.67 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.731 MHz	Total Power	17.7 dBm										
Transmit Freq Error	-15.571 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	20.67 MHz	x dB	-26.00 dB										
5240 MHz	 Center 5.24000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>17.781 MHz</td><td>Total Power</td><td>18.3 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-23.587 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>20.61 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	17.781 MHz	Total Power	18.3 dBm	Transmit Freq Error	-23.587 kHz	% of OBW Power	99.00 %	x dB Bandwidth	20.61 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.781 MHz	Total Power	18.3 dBm										
Transmit Freq Error	-23.587 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	20.61 MHz	x dB	-26.00 dB										

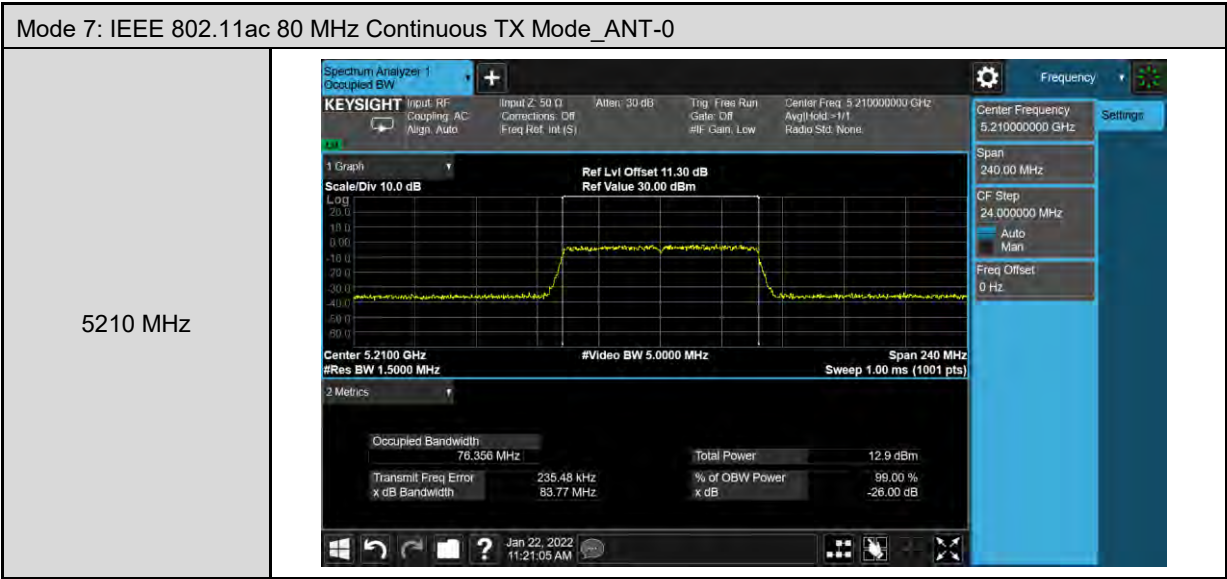
Mode 6: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-0

5190 MHz

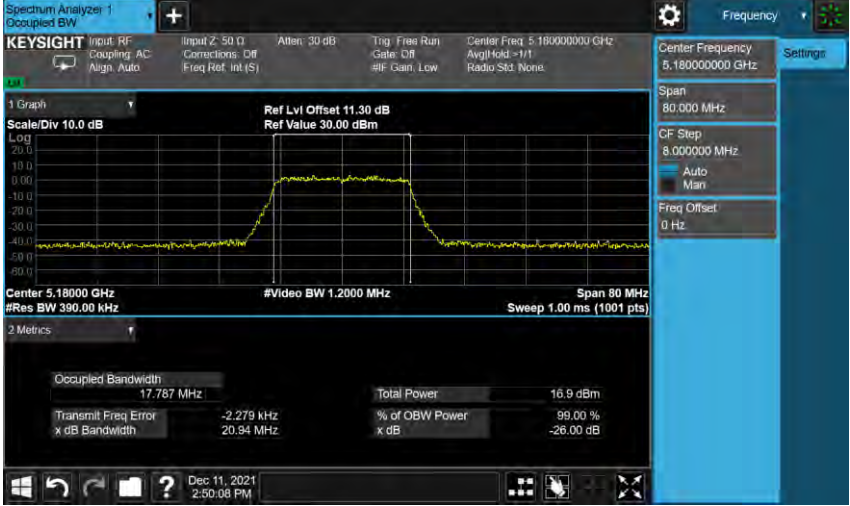


5230 MHz



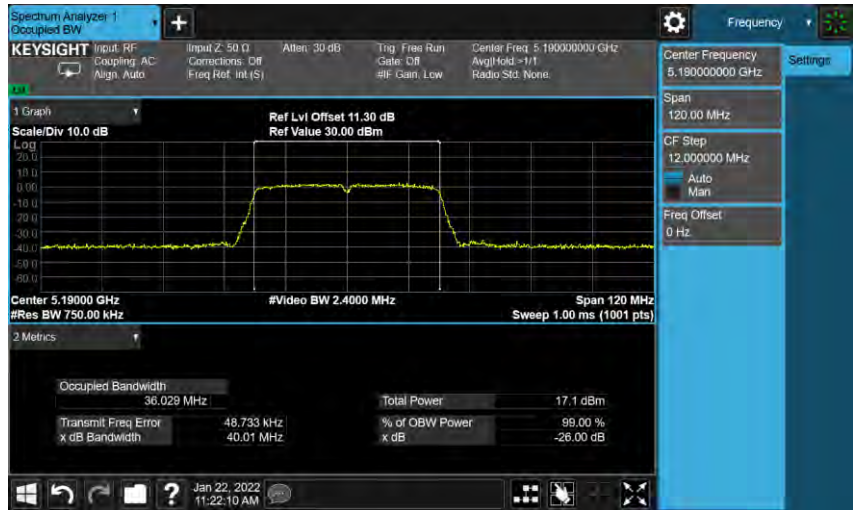


Mode 5: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-1

5180 MHz	 Center Frequency: 5.18000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz FREQ Offset: 0 Hz Occupied Bandwidth: 17.767 MHz Total Power: 16.9 dBm Transmit Freq Error: -2.279 kHz % of OBW Power: 99.00 % x dB Bandwidth: 20.94 MHz x dB: -26.00 dB
5200 MHz	 Center Frequency: 5.20000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz FREQ Offset: 0 Hz Occupied Bandwidth: 17.733 MHz Total Power: 17.1 dBm Transmit Freq Error: -26.640 kHz % of OBW Power: 99.00 % x dB Bandwidth: 20.34 MHz x dB: -26.00 dB
5240 MHz	 Center Frequency: 5.24000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz FREQ Offset: 0 Hz Occupied Bandwidth: 17.726 MHz Total Power: 17.3 dBm Transmit Freq Error: -33.221 kHz % of OBW Power: 99.00 % x dB Bandwidth: 20.62 MHz x dB: -26.00 dB

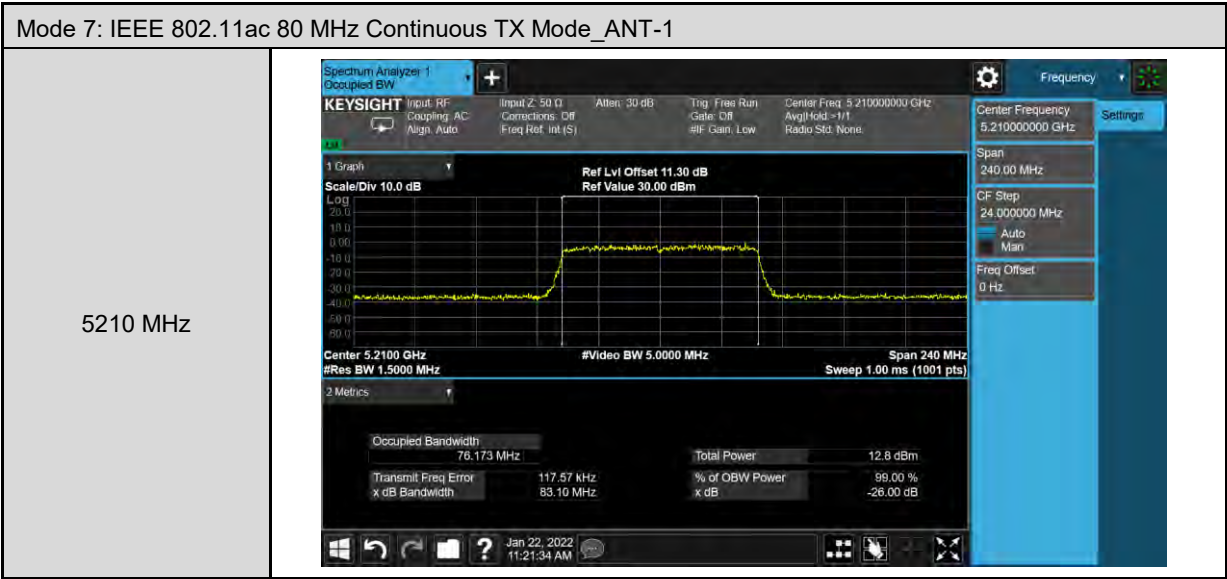
Mode 6: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-1

5190 MHz

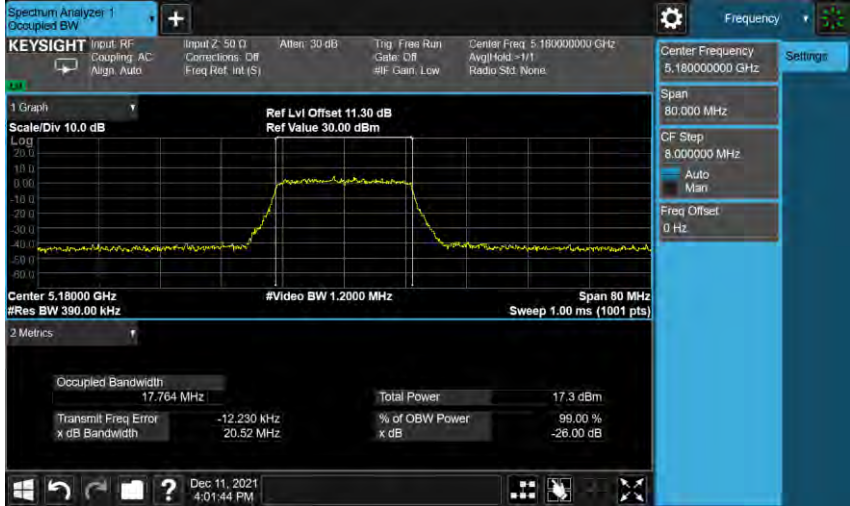
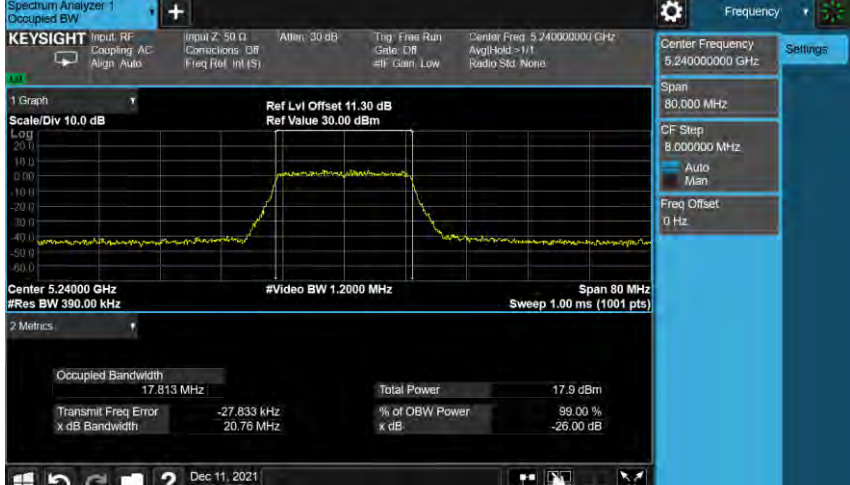


5230 MHz



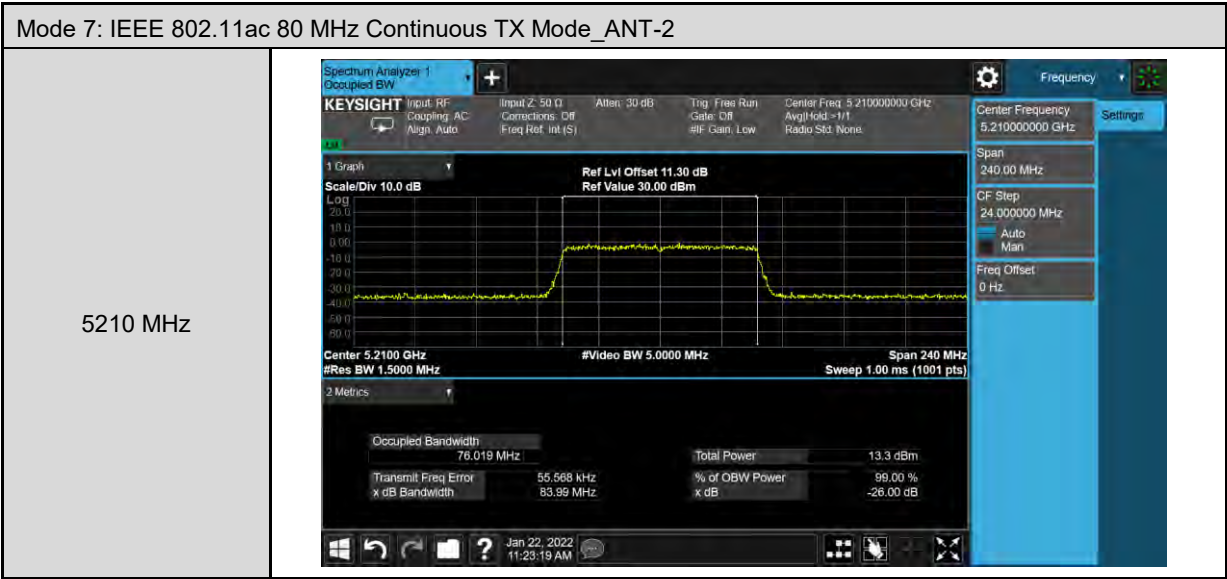


Mode 5: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-2

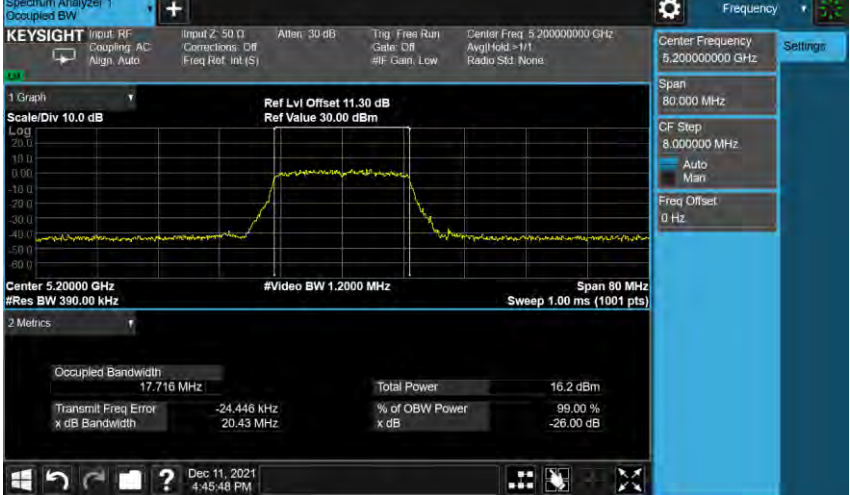
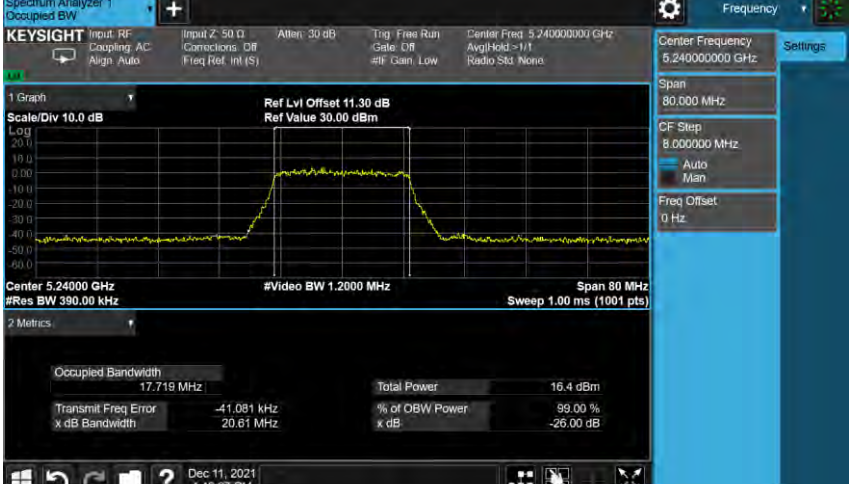
5180 MHz	 Center 5.18000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) <table><tr><td>Occupied Bandwidth</td><td>17.764 MHz</td><td>Total Power</td><td>17.3 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-12.230 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>20.52 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	17.764 MHz	Total Power	17.3 dBm	Transmit Freq Error	-12.230 kHz	% of OBW Power	99.00 %	x dB Bandwidth	20.52 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.764 MHz	Total Power	17.3 dBm										
Transmit Freq Error	-12.230 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	20.52 MHz	x dB	-26.00 dB										
5200 MHz	 Center 5.20000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) <table><tr><td>Occupied Bandwidth</td><td>17.797 MHz</td><td>Total Power</td><td>17.4 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-23.969 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>20.49 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	17.797 MHz	Total Power	17.4 dBm	Transmit Freq Error	-23.969 kHz	% of OBW Power	99.00 %	x dB Bandwidth	20.49 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.797 MHz	Total Power	17.4 dBm										
Transmit Freq Error	-23.969 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	20.49 MHz	x dB	-26.00 dB										
5240 MHz	 Center 5.24000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) <table><tr><td>Occupied Bandwidth</td><td>17.813 MHz</td><td>Total Power</td><td>17.9 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-27.833 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>20.76 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	17.813 MHz	Total Power	17.9 dBm	Transmit Freq Error	-27.833 kHz	% of OBW Power	99.00 %	x dB Bandwidth	20.76 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.813 MHz	Total Power	17.9 dBm										
Transmit Freq Error	-27.833 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	20.76 MHz	x dB	-26.00 dB										

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



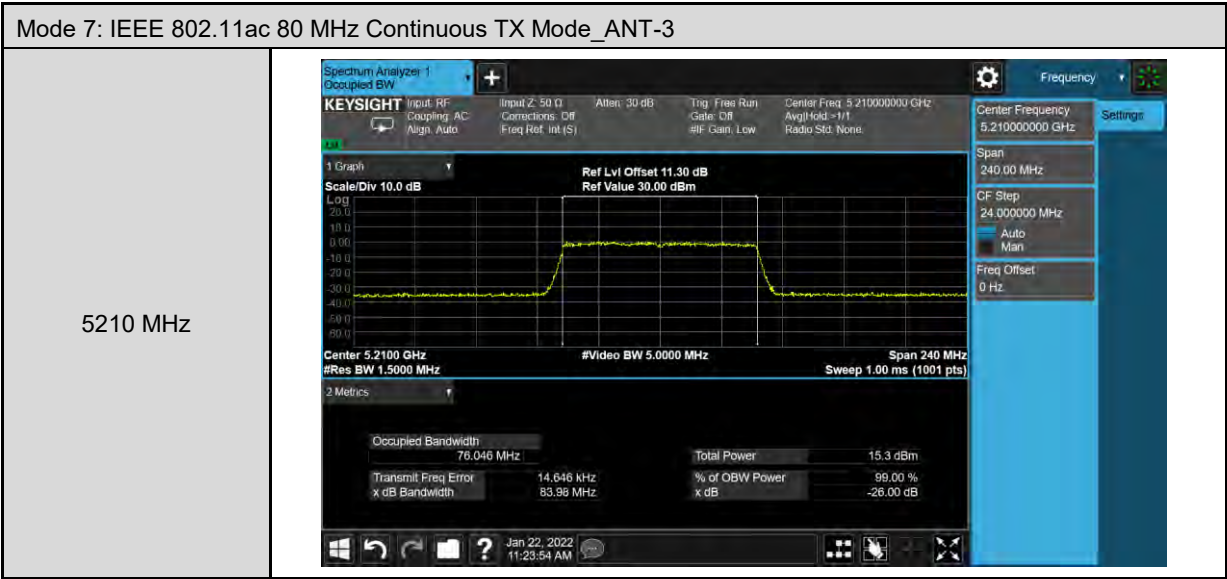


Mode 5: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-3

5180 MHz	 Center Frequency: 5.18000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 17.079 MHz Total Power: 16.4 dBm Transmit Freq Error: -28.851 kHz % of OBW Power: 99.00 % x dB Bandwidth: 20.42 MHz x dB: -26.00 dB
5200 MHz	 Center Frequency: 5.20000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 17.716 MHz Total Power: 16.2 dBm Transmit Freq Error: -24.446 kHz % of OBW Power: 99.00 % x dB Bandwidth: 20.43 MHz x dB: -26.00 dB
5240 MHz	 Center Frequency: 5.24000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 17.719 MHz Total Power: 16.4 dBm Transmit Freq Error: -41.081 kHz % of OBW Power: 99.00 % x dB Bandwidth: 20.61 MHz x dB: -26.00 dB

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



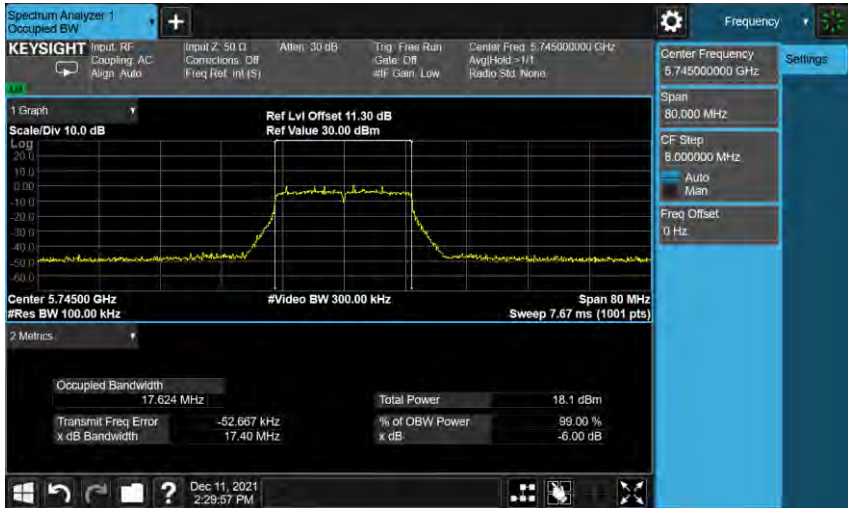


6 dB RF Bandwidth Measurement

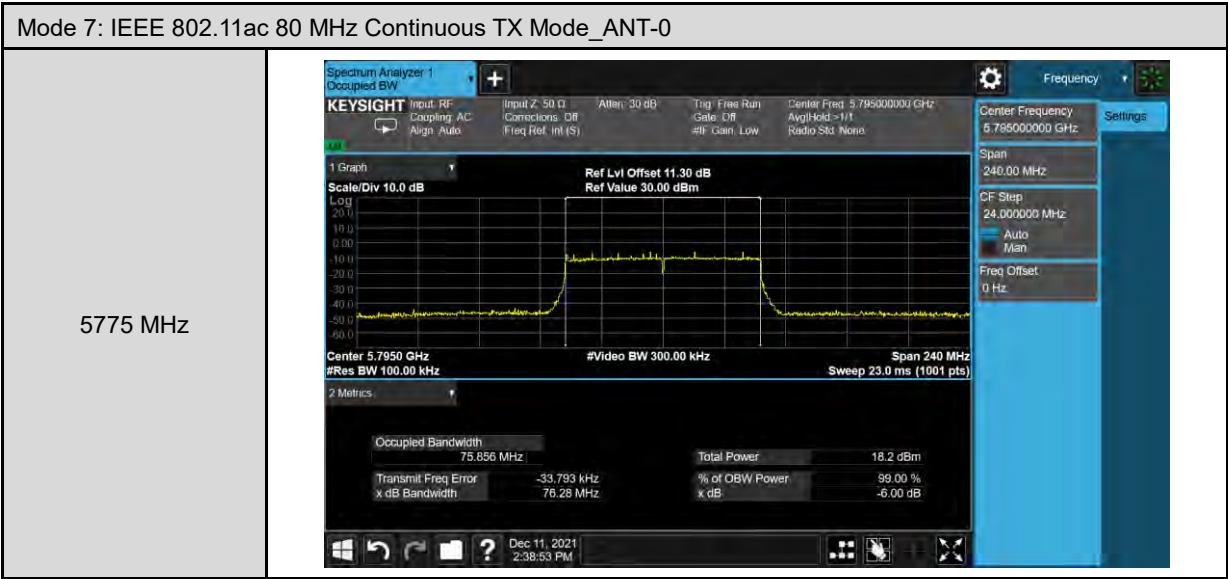
Test Mode	Frequency (MHz)	ANT-0	ANT-1	ANT-2	ANT-3	Limit (kHz)
		Measurement Results (MHz)	Measurement Results (MHz)	Measurement Results (MHz)	Measurement Results (MHz)	
Mode 5	5745.0	17400	17450	17350	17680	≥ 500
	5785.0	17340	16850	17310	17630	≥ 500
	5825.0	16910	17560	17400	17540	≥ 500
Mode 6	5755.0	34560	34980	34160	35330	≥ 500
	5795.0	35090	35070	34570	34870	≥ 500
Mode 7	5775.0	76280	76210	75980	76330	≥ 500

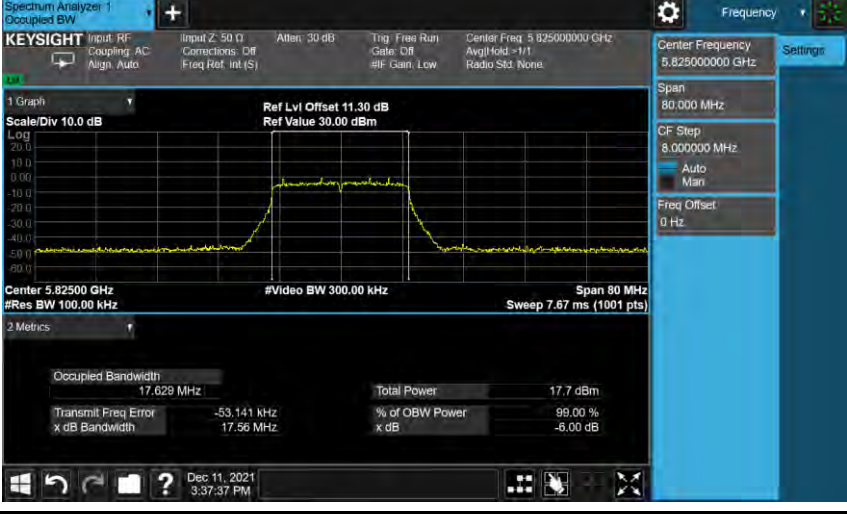
Test Graphs

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

5745 MHz	 Center Frequency: 5.74500000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Center 5.74500 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 80 MHz Sweep 7.67 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>17.624 MHz</td><td>Total Power</td><td>18.1 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-52.667 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>17.40 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table>	Occupied Bandwidth	17.624 MHz	Total Power	18.1 dBm	Transmit Freq Error	-52.667 kHz	% of OBW Power	99.00 %	x dB Bandwidth	17.40 MHz	x dB	-6.00 dB
Occupied Bandwidth	17.624 MHz	Total Power	18.1 dBm										
Transmit Freq Error	-52.667 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	17.40 MHz	x dB	-6.00 dB										
5785 MHz	 Center Frequency: 5.78500000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Center 5.78500 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 80 MHz Sweep 7.67 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>17.634 MHz</td><td>Total Power</td><td>18.1 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-54.511 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>17.34 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table>	Occupied Bandwidth	17.634 MHz	Total Power	18.1 dBm	Transmit Freq Error	-54.511 kHz	% of OBW Power	99.00 %	x dB Bandwidth	17.34 MHz	x dB	-6.00 dB
Occupied Bandwidth	17.634 MHz	Total Power	18.1 dBm										
Transmit Freq Error	-54.511 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	17.34 MHz	x dB	-6.00 dB										
5825 MHz	 Center Frequency: 5.82500000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Center 5.82500 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 80 MHz Sweep 7.67 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>17.637 MHz</td><td>Total Power</td><td>17.6 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-45.742 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>16.91 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table>	Occupied Bandwidth	17.637 MHz	Total Power	17.6 dBm	Transmit Freq Error	-45.742 kHz	% of OBW Power	99.00 %	x dB Bandwidth	16.91 MHz	x dB	-6.00 dB
Occupied Bandwidth	17.637 MHz	Total Power	17.6 dBm										
Transmit Freq Error	-45.742 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	16.91 MHz	x dB	-6.00 dB										





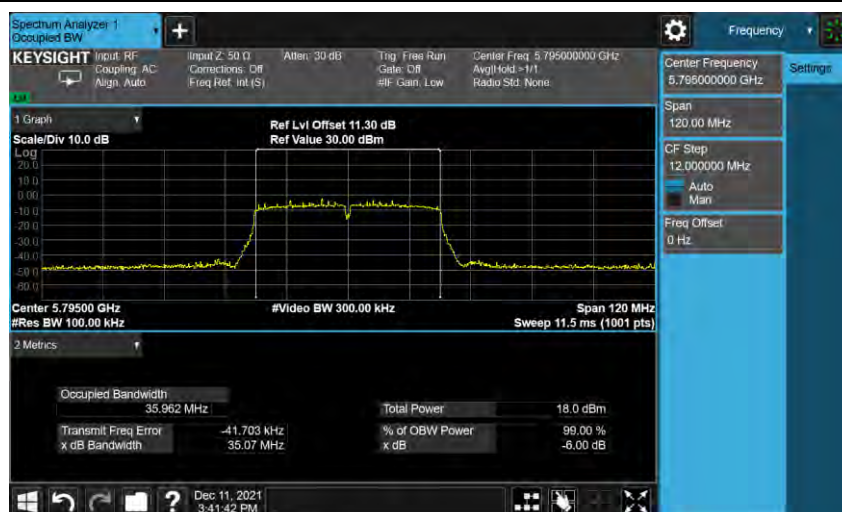
Mode 5: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-1	
5745 MHz	 Keysight Spectrum Analyzer 1 Occupied BW Center Frequency: 5.74500000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 17.623 MHz Total Power: 17.9 dBm Transmit Freq Error: -47.478 kHz % of OBW Power: 99.00 % x dB Bandwidth: 17.45 MHz x dB: -6.00 dB
5785 MHz	 Keysight Spectrum Analyzer 1 Occupied BW Center Frequency: 5.78500000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 17.620 MHz Total Power: 18.0 dBm Transmit Freq Error: -48.434 kHz % of OBW Power: 99.00 % x dB Bandwidth: 16.85 MHz x dB: -6.00 dB
5825 MHz	 Keysight Spectrum Analyzer 1 Occupied BW Center Frequency: 5.82500000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 17.629 MHz Total Power: 17.7 dBm Transmit Freq Error: -53.141 kHz % of OBW Power: 99.00 % x dB Bandwidth: 17.56 MHz x dB: -6.00 dB

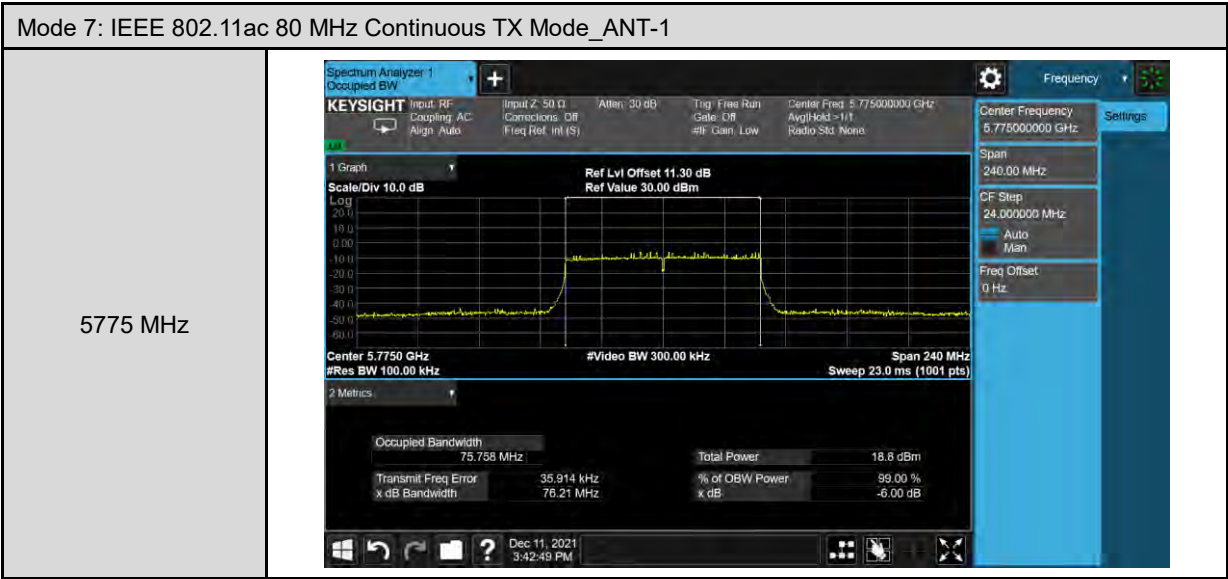
Mode 6: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-1

5755 MHz



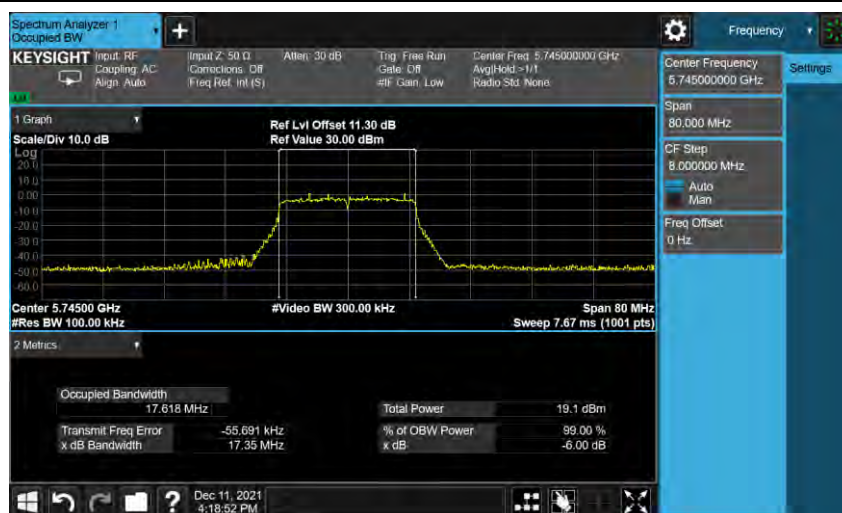
5795 MHz



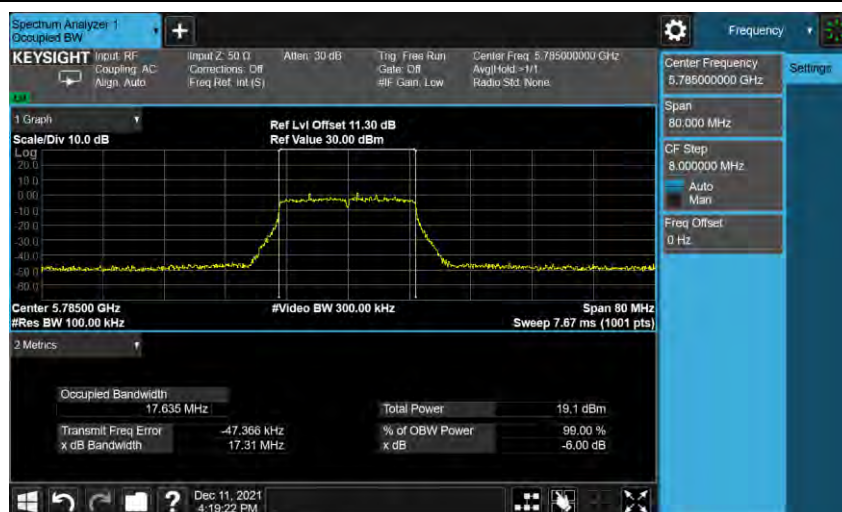


Mode 5: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-2

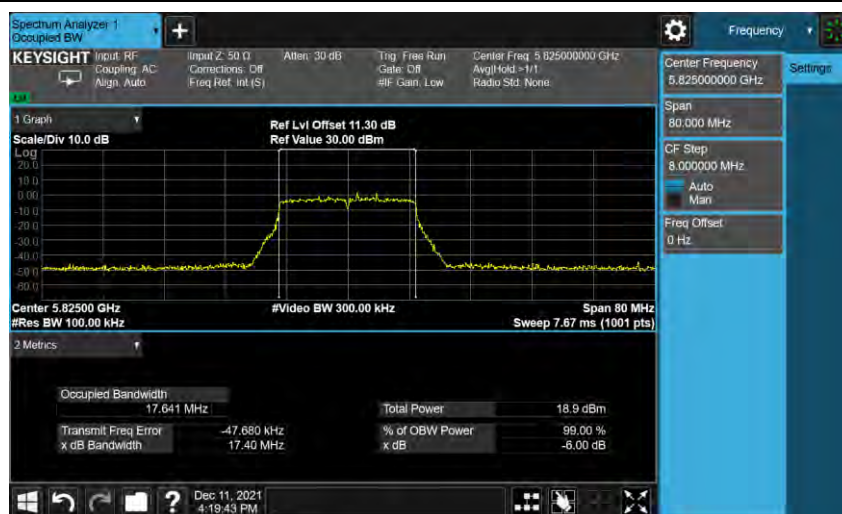
5745 MHz



5785 MHz

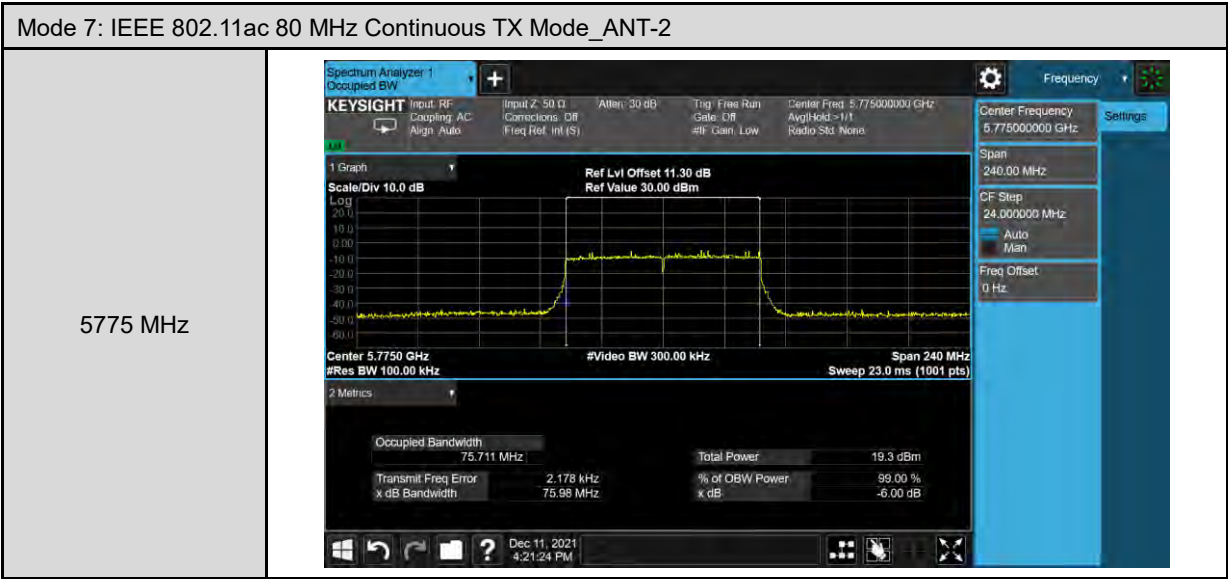


5825 MHz



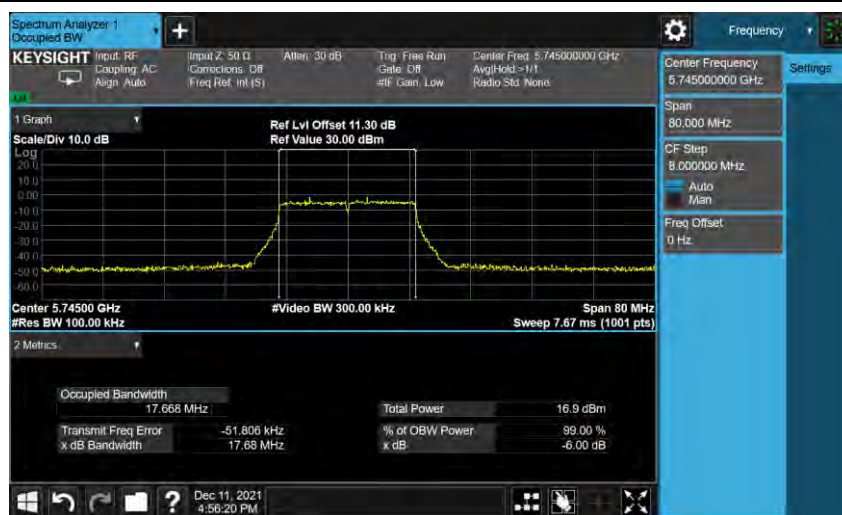
Mode 6: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-2



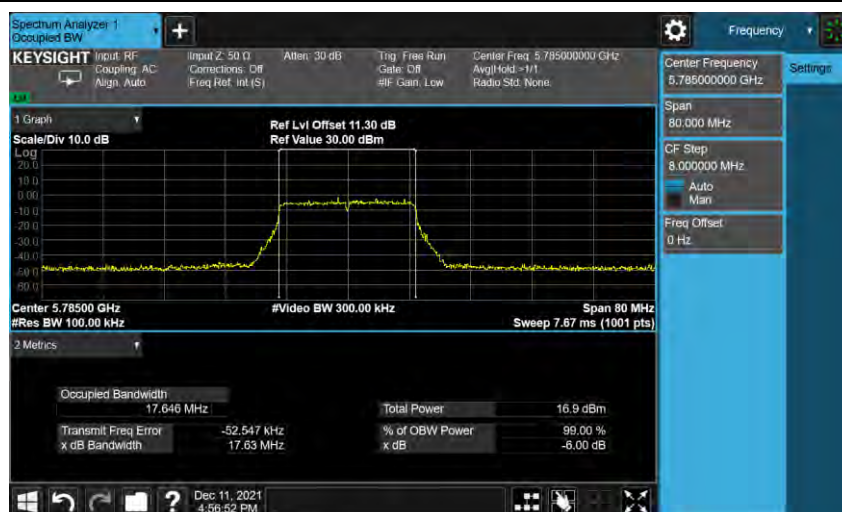


Mode 5: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-3

5745 MHz



5785 MHz



5825 MHz

