

5.3. Conducted Test Results

Maximum Conducted Output Power Measurement

Test Mode	Frequency (MHz)	RF Power setting in Test Software		Test Software Version
		ANT-0	ANT-1	
Mode 2	5180	11	11	QRCT Toolkit v4.0 Version 4.0.00175.0
	5200	11	11	
	5220	11	11	
	5240	11	11	
	5260	11	11	
	5280	11	11	
	5300	11	11	
	5320	11.5	11.5	
	5500	13	13	
	5520	13.5	13.5	
	5540	13.5	13.5	
	5560	13.5	13.5	
	5580	13.5	13.5	
	5600	13.5	13.5	
	5620	13.5	13.5	
	5640	13.5	13.5	
	5660	13.5	13.5	
	5680	13.5	13.5	
	5700	13	13	
	5720	14	14	
	5745	13	13	
	5765	13	13	
	5785	13	13	
	5805	13	13	
	5825	13	13	

Test Mode	Frequency (MHz)	RF Power setting in Test Software		Test Software Version
		ANT-0	ANT-1	
Mode 3	5180	11	11	QRCT Toolkit v4.0 Version 4.0.00175.0
	5200	11	11	
	5220	11	11	
	5240	11	11	
	5260	11	11	
	5280	11.5	11.5	
	5300	11.5	11.5	
	5320	11.5	11.5	
	5500	13.5	13.5	
	5520	14	14	
	5540	14	14	
	5560	14	14	
	5580	14	14	
	5600	14	14	
	5620	14	14	
	5640	14	14	
	5660	14	14	
	5680	14	14	
	5700	13.5	13.5	
	5720	14	14	
	5745	13	13	
	5765	13	13	
	5785	13	13	
	5805	13	13	
	5825	13.5	13.5	
Mode 4	5190	9	9	
	5230	9	9	
	5270	9	9	
	5310	9.5	9.5	
	5510	10.5	10.5	
	5550	10.5	10.5	
	5590	10.5	10.5	
	5630	10.5	10.5	
	5670	10.5	10.5	
	5710	11	11	
	5755	11.5	11.5	
	5795	11.5	11.5	

Test Mode	Frequency (MHz)	RF Power setting in Test Software		Test Software Version
		ANT-0	ANT-1	
Mode 5	5180	11	11	QRCT Toolkit v4.0 Version 4.0.00175.0
	5200	11	11	
	5220	11	11	
	5240	11	11	
	5260	11	11	
	5280	11.5	11.5	
	5300	11.5	11.5	
	5320	11.5	11.5	
	5500	13.5	13.5	
	5520	14	14	
	5540	14	14	
	5560	14	14	
	5580	14	14	
	5600	14	14	
	5620	14	14	
	5640	14	14	
	5660	14	14	
	5680	14	14	
	5700	13.5	13.5	
	5720	14	14	
	5745	13	13	
	5765	13	13	
	5785	13	13	
	5805	13	13	
	5825	13.5	13.5	
Mode 6	5190	9	9	
	5230	9	9	
	5270	9	9	
	5310	9.5	9.5	
	5510	10.5	10.5	
	5550	10.5	10.5	
	5590	10.5	10.5	
	5630	10.5	10.5	
	5670	10.5	10.5	
	5710	11	11	
	5755	11.5	11.5	
	5795	11.5	11.5	
Mode 7	5210	9.5	9.5	
	5290	9.5	9.5	
	5530	11.5	11.5	
	5610	11.5	11.5	
	5690	11.5	11.5	
	5775	12	12	

Maximum Conducted Output Power and Transmit power control Measurement

Test Mode		Mode 2: IEEE 802.11a Continuous TX mode						
Data Rate	Frequency (MHz)	ANT-0		ANT-1		ANT-0+1		Limit (dBm)
		Max. Output Power						
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
6 M	5180	11.35	0.014	10.99	0.013	14.18	0.026	≤ 24.00
	5200	11.23	0.013	11.03	0.013	14.14	0.026	≤ 24.00
	5220	11.18	0.013	10.96	0.012	14.08	0.026	≤ 24.00
	5240	11.20	0.013	10.81	0.012	14.02	0.025	≤ 24.00
	5260	11.35	0.014	11.11	0.013	14.24	0.027	≤ 24.00
	5280	11.14	0.013	10.81	0.012	13.99	0.025	≤ 24.00
	5300	11.11	0.013	10.78	0.012	13.96	0.025	≤ 24.00
	5320	11.47	0.014	11.41	0.014	14.45	0.028	≤ 24.00
	5500	13.09	0.020	12.73	0.019	15.92	0.039	≤ 22.98
	5520	13.15	0.021	13.06	0.020	16.12	0.041	≤ 22.98
	5540	13.16	0.021	13.02	0.020	16.10	0.041	≤ 22.98
	5560	13.18	0.021	13.08	0.020	16.14	0.041	≤ 22.98
	5580	13.15	0.021	13.05	0.020	16.11	0.041	≤ 22.98
	5600	13.13	0.021	13.03	0.020	16.09	0.041	≤ 22.98
	5620	13.14	0.021	13.04	0.020	16.10	0.041	≤ 22.98
	5640	13.09	0.020	12.99	0.020	16.05	0.040	≤ 22.98
	5660	13.08	0.020	13.00	0.020	16.05	0.040	≤ 22.98
	5680	13.10	0.020	12.98	0.020	16.05	0.040	≤ 22.98
	5700	13.27	0.021	13.09	0.020	16.19	0.042	≤ 22.98
	5720	12.38	0.017	12.33	0.017	15.37	0.034	≤ 22.98
	5720	5.36	0.003	5.24	0.003	8.31	0.007	≤ 30.00
	5745	13.45	0.022	12.72	0.019	16.11	0.041	≤ 30.00
	5765	13.33	0.022	12.51	0.018	15.95	0.039	≤ 30.00
	5785	13.36	0.022	12.56	0.018	15.99	0.040	≤ 30.00
	5805	13.34	0.022	12.53	0.018	15.96	0.039	≤ 30.00
	5825	13.06	0.020	12.59	0.018	15.84	0.038	≤ 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						
Data Rate	Frequency (MHz)	ANT-0		ANT-1		ANT-0+1		Limit (dBm)
		Max. Output Power						
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
13 M	5180	11.10	0.013	10.75	0.012	13.94	0.025	≤ 24.00
	5200	10.89	0.012	10.76	0.012	13.84	0.024	≤ 24.00
	5220	10.86	0.012	10.71	0.012	13.80	0.024	≤ 24.00
	5240	10.91	0.012	10.60	0.011	13.77	0.024	≤ 24.00
	5260	11.03	0.013	10.80	0.012	13.93	0.025	≤ 24.00
	5280	11.32	0.014	10.94	0.012	14.14	0.026	≤ 24.00
	5300	11.30	0.013	10.91	0.012	14.12	0.026	≤ 24.00
	5320	11.18	0.013	10.98	0.013	14.09	0.026	≤ 24.00
	5500	13.08	0.020	12.87	0.019	15.99	0.040	≤ 23.29
	5520	13.17	0.021	13.16	0.021	16.18	0.041	≤ 23.29
	5540	13.17	0.021	13.19	0.021	16.19	0.042	≤ 23.29
	5560	13.29	0.021	13.20	0.021	16.26	0.042	≤ 23.29
	5580	13.13	0.021	13.18	0.021	16.17	0.041	≤ 23.29
	5600	13.06	0.020	13.11	0.020	16.10	0.041	≤ 23.29
	5620	13.11	0.020	13.13	0.021	16.13	0.041	≤ 23.29
	5640	13.19	0.021	13.08	0.020	16.15	0.041	≤ 23.29
	5660	13.21	0.021	13.15	0.021	16.19	0.042	≤ 23.29
	5680	13.18	0.021	13.18	0.021	16.19	0.042	≤ 23.29
	5700	13.40	0.022	13.29	0.021	16.36	0.043	≤ 23.29
	5720	11.99	0.016	11.96	0.016	14.98	0.032	≤ 23.29
	5720	6.07	0.004	5.86	0.004	8.98	0.008	≤ 30.00
	5745	13.10	0.020	12.53	0.018	15.83	0.038	≤ 30.00
	5765	13.07	0.020	12.27	0.017	15.70	0.037	≤ 30.00
	5785	13.09	0.020	12.33	0.017	15.74	0.037	≤ 30.00
	5805	13.01	0.020	12.24	0.017	15.65	0.037	≤ 30.00
	5825	13.28	0.021	13.03	0.020	16.17	0.041	≤ 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						
Data Rate	Frequency (MHz)	ANT-0		ANT-1		ANT-0+1		Limit (dBm)
		Max. Output Power						
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
27 M	5190	9.71	0.009	9.18	0.008	12.46	0.018	≤ 24.00
	5230	9.53	0.009	9.06	0.008	12.31	0.017	≤ 24.00
	5270	9.54	0.009	9.07	0.008	12.32	0.017	≤ 24.00
	5310	9.82	0.010	9.28	0.008	12.57	0.018	≤ 24.00
	5510	10.73	0.012	10.44	0.011	13.60	0.023	≤ 24.00
	5550	10.70	0.012	10.37	0.011	13.55	0.023	≤ 24.00
	5590	10.76	0.012	10.36	0.011	13.57	0.023	≤ 24.00
	5630	10.68	0.012	10.29	0.011	13.50	0.022	≤ 24.00
	5670	10.94	0.012	10.90	0.012	13.93	0.025	≤ 24.00
	5710	10.47	0.011	10.40	0.011	13.45	0.022	≤ 24.00
	5710	-0.55	0.001	-0.76	0.001	2.36	0.002	≤ 30.00
	5755	12.19	0.017	11.44	0.014	14.84	0.030	≤ 30.00
	5795	12.02	0.016	11.33	0.014	14.70	0.030	≤ 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						
Data Rate	Frequency (MHz)	ANT-0		ANT-1		ANT-0+1		Limit (dBm)
		Max. Output Power						
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
13 M	5180	11.13	0.013	10.77	0.012	13.96	0.025	≤ 24.00
	5200	10.99	0.013	10.82	0.012	13.92	0.025	≤ 24.00
	5220	10.94	0.012	10.78	0.012	13.87	0.024	≤ 24.00
	5240	10.92	0.012	10.71	0.012	13.83	0.024	≤ 24.00
	5260	11.04	0.013	10.94	0.012	14.00	0.025	≤ 24.00
	5280	11.41	0.014	11.08	0.013	14.26	0.027	≤ 24.00
	5300	11.38	0.014	11.04	0.013	14.22	0.026	≤ 24.00
	5320	11.22	0.013	11.11	0.013	14.18	0.026	≤ 24.00
	5500	13.18	0.021	12.92	0.020	16.06	0.040	≤ 23.20
	5520	13.27	0.021	13.25	0.021	16.27	0.042	≤ 23.20
	5540	13.26	0.021	13.22	0.021	16.25	0.042	≤ 23.20
	5560	13.31	0.021	13.28	0.021	16.31	0.043	≤ 23.20
	5580	13.22	0.021	13.20	0.021	16.22	0.042	≤ 23.20
	5600	13.20	0.021	13.19	0.021	16.21	0.042	≤ 23.20
	5620	13.18	0.021	13.16	0.021	16.18	0.041	≤ 23.20
	5640	13.21	0.021	13.18	0.021	16.21	0.042	≤ 23.20
	5660	13.23	0.021	13.21	0.021	16.23	0.042	≤ 23.20
	5680	13.22	0.021	13.20	0.021	16.22	0.042	≤ 23.20
	5700	13.41	0.022	13.33	0.022	16.38	0.043	≤ 23.20
	5720	12.02	0.016	12.00	0.016	15.02	0.032	≤ 23.20
	5720	6.14	0.004	5.98	0.004	9.07	0.008	≤ 30.00
	5745	13.22	0.021	12.56	0.018	15.91	0.039	≤ 30.00
	5765	13.16	0.021	12.35	0.017	15.78	0.038	≤ 30.00
	5785	13.19	0.021	12.37	0.017	15.81	0.038	≤ 30.00
	5805	13.12	0.021	12.32	0.017	15.75	0.038	≤ 30.00
	5825	13.38	0.022	13.11	0.020	16.26	0.042	≤ 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						
Data Rate	Frequency (MHz)	ANT-0		ANT-1		ANT-0+1		Limit (dBm)
		Max. Output Power						
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
27 M	5190	9.79	0.010	9.23	0.008	12.53	0.018	≤ 24.00
	5230	9.54	0.009	9.11	0.008	12.34	0.017	≤ 24.00
	5270	9.55	0.009	9.18	0.008	12.38	0.017	≤ 24.00
	5310	9.88	0.010	9.41	0.009	12.66	0.018	≤ 24.00
	5510	10.79	0.012	10.52	0.011	13.67	0.023	≤ 24.00
	5550	10.81	0.012	10.48	0.011	13.66	0.023	≤ 24.00
	5590	10.77	0.012	10.45	0.011	13.62	0.023	≤ 24.00
	5630	10.74	0.012	10.41	0.011	13.59	0.023	≤ 24.00
	5670	10.97	0.013	10.92	0.012	13.96	0.025	≤ 24.00
	5710	10.50	0.011	10.45	0.011	13.48	0.022	≤ 24.00
	5710	-0.51	0.001	-0.70	0.001	2.41	0.002	≤ 30.00
	5755	12.23	0.017	11.48	0.014	14.88	0.031	≤ 30.00
	5795	12.09	0.016	11.36	0.014	14.75	0.030	≤ 30.00

Test Mode		Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode						
Data Rate	Frequency (MHz)	ANT-0		ANT-1		ANT-0+1		Limit (dBm)
		Max. Output Power						
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
58.6 M	5210	9.63	0.009	9.32	0.009	12.49	0.018	≤ 24.00
	5290	9.54	0.009	8.99	0.008	12.28	0.017	≤ 24.00
	5530	10.88	0.012	10.69	0.012	13.80	0.024	≤ 24.00
	5610	10.97	0.013	10.85	0.012	13.92	0.025	≤ 24.00
	5690	10.52	0.011	10.48	0.011	13.51	0.022	≤ 24.00
	5690	-3.89	0.000	-3.96	0.000	-0.92	0.001	≤ 30.00
	5775	12.28	0.017	11.29	0.013	14.82	0.030	≤ 30.00

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

26 dB RF Bandwidth

Test Mode	Frequency (MHz)	ANT-0	ANT-1
		Measurement Results (MHz)	Measurement Results (MHz)
Mode 2	5180	21.950	21.560
	5200	22.630	22.230
	5240	22.450	21.700
	5260	22.430	21.410
	5280	23.150	21.350
	5320	21.350	21.870
	5500	21.990	21.530
	5560	22.920	21.290
	5700	22.360	21.240
	5720	16.190	15.770
Mode 3	5260	22.330	22.530
	5280	23.100	22.670
	5320	23.490	22.510
	5500	23.290	23.980
	5560	23.510	22.850
	5700	22.570	24.050
	5720	16.930	17.180
Mode 4	5270	41.460	41.260
	5310	41.170	40.900
	5510	41.690	40.790
	5550	41.630	41.360
	5670	41.710	41.630
	5710	35.330	35.950
Mode 5	5180	23.680	23.510
	5200	23.320	22.500
	5240	23.520	22.580
	5260	23.730	23.040
	5280	23.360	22.810
	5320	23.400	22.980
	5500	23.610	23.680
	5560	23.320	23.360
	5700	23.120	23.620
	5720	17.650	16.590

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

Test Mode	Frequency (MHz)	ANT-0	ANT-1
		Measurement Results (MHz)	Measurement Results (MHz)
Mode 6	5190	41.540	41.410
	5230	41.360	41.360
	5270	41.250	41.400
	5310	41.250	41.590
	5510	41.640	41.130
	5550	40.990	41.200
	5670	41.530	41.380
	5710	35.510	35.530
Mode 7	5210	83.390	82.860
	5290	84.400	82.230
	5530	84.120	82.610
	5610	83.490	82.590
	5690	76.570	76.280

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

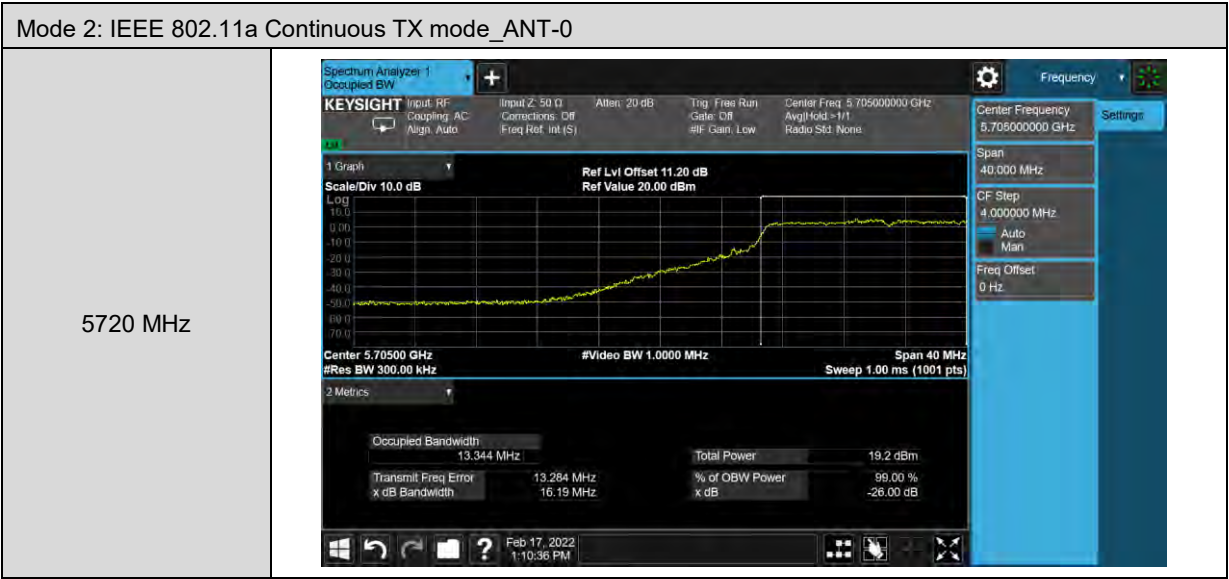
Test Graphs

Mode 2: IEEE 802.11a 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) Occupied Bandwidth: 16.783 MHz Total Power: 17.9 dBm Transmit Freq Error: 18.789 kHz % of OBW Power: 99.00 % x dB Bandwidth: 21.95 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) Occupied Bandwidth: 16.807 MHz Total Power: 17.6 dBm Transmit Freq Error: 14.811 kHz % of OBW Power: 99.00 % x dB Bandwidth: 22.63 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) Occupied Bandwidth: 16.745 MHz Total Power: 17.5 dBm Transmit Freq Error: 48.737 kHz % of OBW Power: 99.00 % x dB Bandwidth: 22.45 MHz x dB: -26.00 dB

Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0	
5260 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5260.000 GHz. The graph displays a signal with a peak level of approximately 10 dBm. The settings include: Center Frequency 5.26000000 GHz, Span 80.000 MHz, CF Step 8.000000 MHz, Auto Man, Freq Offset 0 Hz. The metrics show: Occupied Bandwidth 16.637 MHz, Total Power 17.5 dBm, Transmit Freq Error 44.434 KHz, % of OBW Power 99.00 %, x dB Bandwidth 22.43 MHz, x dB -26.00 dB.
5280 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5280.000 GHz. The graph displays a signal with a peak level of approximately 10 dBm. The settings include: Center Frequency 5.28000000 GHz, Span 80.000 MHz, CF Step 8.000000 MHz, Auto Man, Freq Offset 0 Hz. The metrics show: Occupied Bandwidth 16.775 MHz, Total Power 17.5 dBm, Transmit Freq Error 44.859 KHz, % of OBW Power 99.00 %, x dB Bandwidth 23.15 MHz, x dB -26.00 dB.
5320 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5320.000 GHz. The graph displays a signal with a peak level of approximately 10 dBm. The settings include: Center Frequency 5.32000000 GHz, Span 80.000 MHz, CF Step 8.000000 MHz, Auto Man, Freq Offset 0 Hz. The metrics show: Occupied Bandwidth 16.799 MHz, Total Power 17.7 dBm, Transmit Freq Error 43.093 KHz, % of OBW Power 99.00 %, x dB Bandwidth 21.35 MHz, x dB -26.00 dB.

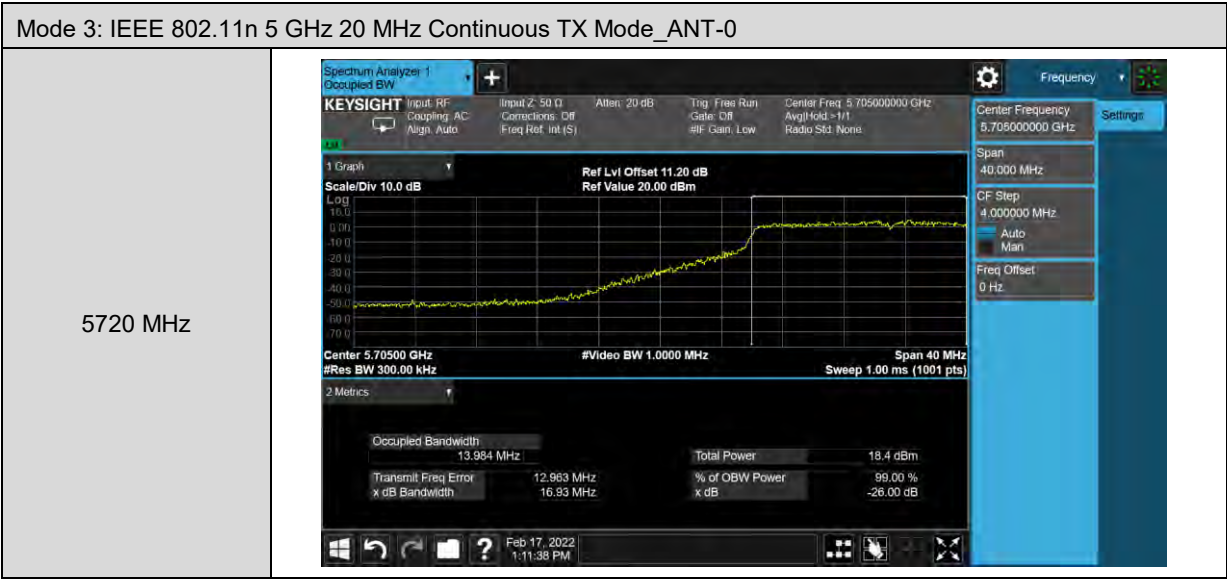
Mode 2: IEEE 802.11a Continuous TX mode_ANT-0	
5500 MHz	 Center 5.50000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth 16.810 MHz Total Power 19.1 dBm Transmit Freq Error 17.125 kHz % of OBW Power 99.00 % x dB Bandwidth 21.99 MHz x dB -26.00 dB
5560 MHz	 Center 5.56000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth 16.733 MHz Total Power 19.4 dBm Transmit Freq Error 22.991 kHz % of OBW Power 99.00 % x dB Bandwidth 22.92 MHz x dB -26.00 dB
5700 MHz	 Center 5.70000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth 16.762 MHz Total Power 18.9 dBm Transmit Freq Error 22.092 kHz % of OBW Power 99.00 % x dB Bandwidth 22.36 MHz x dB -26.00 dB

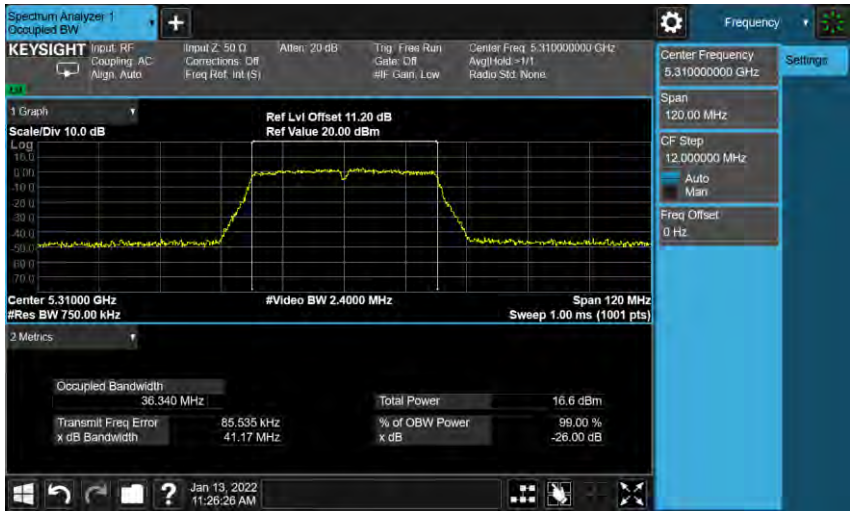


Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-0

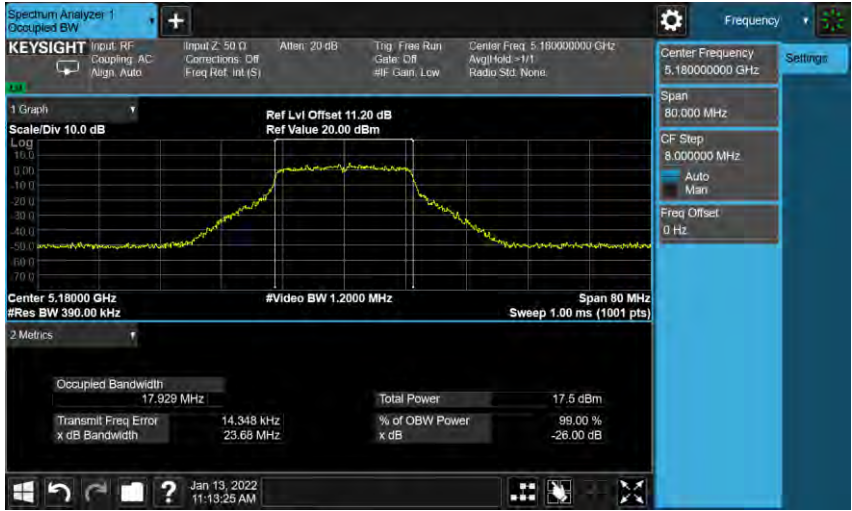
5260 MHz	 Center Frequency: 5.26000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 18.072 MHz Total Power: 17.6 dBm Transmit Freq Error: 57.443 KHz % of OBW Power: 99.00 % x dB Bandwidth: 22.33 MHz x dB: -26.00 dB
5280 MHz	 Center Frequency: 5.28000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 17.947 MHz Total Power: 17.9 dBm Transmit Freq Error: 41.137 KHz % of OBW Power: 99.00 % x dB Bandwidth: 23.10 MHz x dB: -26.00 dB
5320 MHz	 Center Frequency: 5.32000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 17.930 MHz Total Power: 17.6 dBm Transmit Freq Error: 16.971 KHz % of OBW Power: 99.00 % x dB Bandwidth: 23.49 MHz x dB: -26.00 dB

Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-0	
5500 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5500.000 GHz. The graph displays a signal with a peak at 5500.000 GHz. The scale is 10.0 dB, and the span is 80.000 MHz. The center frequency is 5.50000000 GHz. The video bandwidth is 1.2000 MHz, and the resolution bandwidth is 390.00 kHz. The sweep is 1.00 ms (1001 pts). The metrics show an occupied bandwidth of 18.081 MHz, total power of 19.3 dBm, transmit frequency error of 54.617 kHz, and x dB bandwidth of 23.29 MHz. The % of OBW Power is 99.00 %.
5560 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5560.000 GHz. The graph displays a signal with a peak at 5560.000 GHz. The scale is 10.0 dB, and the span is 80.000 MHz. The center frequency is 5.56000000 GHz. The video bandwidth is 1.2000 MHz, and the resolution bandwidth is 390.00 kHz. The sweep is 1.00 ms (1001 pts). The metrics show an occupied bandwidth of 18.024 MHz, total power of 19.7 dBm, transmit frequency error of 25.493 kHz, and x dB bandwidth of 23.51 MHz. The % of OBW Power is 99.00 %.
5700 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5700.000 GHz. The graph displays a signal with a peak at 5700.000 GHz. The scale is 10.0 dB, and the span is 80.000 MHz. The center frequency is 5.70000000 GHz. The video bandwidth is 1.2000 MHz, and the resolution bandwidth is 390.00 kHz. The sweep is 1.00 ms (1001 pts). The metrics show an occupied bandwidth of 17.991 MHz, total power of 19.5 dBm, transmit frequency error of 30.799 kHz, and x dB bandwidth of 22.57 MHz. The % of OBW Power is 99.00 %.



Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-0	
5270 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5270.000 GHz. The graph displays a signal with a peak level of approximately 17.0 dBm. The settings include a center frequency of 5.27000000 GHz, a span of 120.00 MHz, and a resolution bandwidth of 750.00 kHz. The occupied bandwidth is 36.305 MHz, and the total power is 17.0 dBm.
5310 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5310.000 GHz. The graph displays a signal with a peak level of approximately 16.6 dBm. The settings include a center frequency of 5.31000000 GHz, a span of 120.00 MHz, and a resolution bandwidth of 750.00 kHz. The occupied bandwidth is 36.340 MHz, and the total power is 16.6 dBm.
5510 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5510.000 GHz. The graph displays a signal with a peak level of approximately 18.2 dBm. The settings include a center frequency of 5.51000000 GHz, a span of 120.00 MHz, and a resolution bandwidth of 750.00 kHz. The occupied bandwidth is 36.330 MHz, and the total power is 18.2 dBm.

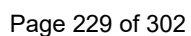
Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-0	
5550 MHz	 Center Frequency: 5.55000000 GHz Span: 120.00 MHz CF Step: 12.000000 MHz FREQ Offset: 0 Hz Occupied Bandwidth: 36.291 MHz Total Power: 17.5 dBm Transmit Freq Error: 64.110 kHz % of OBW Power: 99.00 % x dB Bandwidth: 41.63 MHz x dB: -26.00 dB
5670 MHz	 Center Frequency: 5.67000000 GHz Span: 120.00 MHz CF Step: 12.000000 MHz FREQ Offset: 0 Hz Occupied Bandwidth: 36.356 MHz Total Power: 18.0 dBm Transmit Freq Error: 42.238 kHz % of OBW Power: 99.00 % x dB Bandwidth: 41.71 MHz x dB: -26.00 dB
5710 MHz	 Center Frequency: 5.68500000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz FREQ Offset: 0 Hz Occupied Bandwidth: 33.037 MHz Total Power: 17.0 dBm Transmit Freq Error: 23.343 MHz % of OBW Power: 99.00 % x dB Bandwidth: 35.33 MHz x dB: -26.00 dB

Mode 5: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-0	
5180 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5180 MHz. The graph displays a signal with a peak at 5180 MHz. The metrics show an Occupied Bandwidth of 17.929 MHz, Total Power of 17.5 dBm, and a Transmit Freq Error of 14.348 kHz. The settings include a Center Frequency of 5.18000000 GHz, Span of 80.000 MHz, and a Video BW of 1.2000 MHz.
5200 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5200 MHz. The graph displays a signal with a peak at 5200 MHz. The metrics show an Occupied Bandwidth of 17.955 MHz, Total Power of 17.5 dBm, and a Transmit Freq Error of 21.578 kHz. The settings include a Center Frequency of 5.20000000 GHz, Span of 80.000 MHz, and a Video BW of 1.2000 MHz.
5240 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5240 MHz. The graph displays a signal with a peak at 5240 MHz. The metrics show an Occupied Bandwidth of 17.989 MHz, Total Power of 17.4 dBm, and a Transmit Freq Error of 54.863 kHz. The settings include a Center Frequency of 5.24000000 GHz, Span of 80.000 MHz, and a Video BW of 1.2000 MHz.

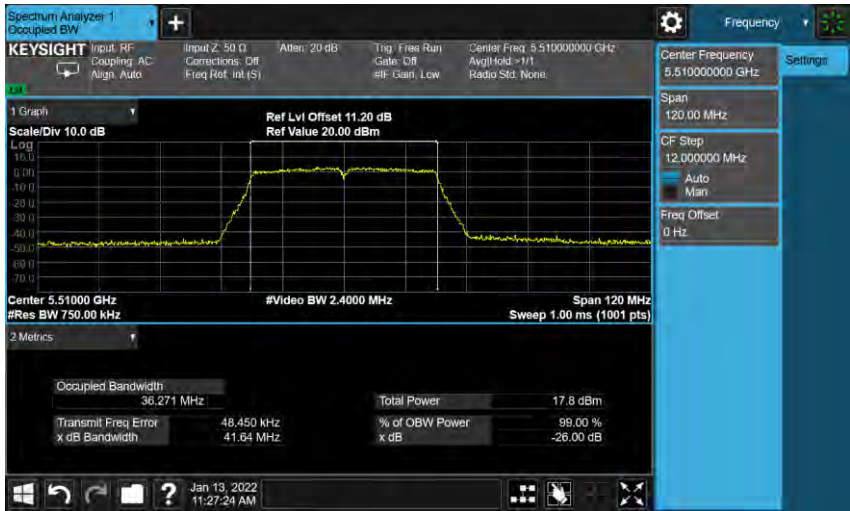
Mode 5: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-0

5260 MHz	 Center 5.26000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth: 18.034 MHz Total Power: 17.2 dBm Transmit Freq Error: 41.296 kHz % of OBW Power: 99.00 % x dB Bandwidth: 23.73 MHz x dB: -26.00 dB
5280 MHz	 Center 5.28000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth: 17.980 MHz Total Power: 17.8 dBm Transmit Freq Error: 66.362 kHz % of OBW Power: 99.00 % x dB Bandwidth: 23.36 MHz x dB: -26.00 dB
5320 MHz	 Center 5.32000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth: 17.914 MHz Total Power: 17.5 dBm Transmit Freq Error: 40.848 kHz % of OBW Power: 99.00 % x dB Bandwidth: 23.40 MHz x dB: -26.00 dB

Mode 5: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-0	
5500 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5500.000 GHz. The graph displays a signal with a peak at 5500.000 GHz. The scale is 10.0 dB, and the span is 80.000 MHz. The center frequency is 5.50000000 GHz. The video bandwidth is 1.2000 MHz, and the resolution bandwidth is 390.00 kHz. The sweep is 1.00 ms (1001 pts). The metrics show an occupied bandwidth of 17.981 MHz, total power of 19.3 dBm, transmit frequency error of 68.823 kHz, and x dB bandwidth of 23.61 MHz. The % of OBW Power is 99.00 % and the x dB value is -26.00 dB.
5560 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5560.000 GHz. The graph displays a signal with a peak at 5560.000 GHz. The scale is 10.0 dB, and the span is 80.000 MHz. The center frequency is 5.56000000 GHz. The video bandwidth is 1.2000 MHz, and the resolution bandwidth is 390.00 kHz. The sweep is 1.00 ms (1001 pts). The metrics show an occupied bandwidth of 18.047 MHz, total power of 19.9 dBm, transmit frequency error of 38.046 kHz, and x dB bandwidth of 23.32 MHz. The % of OBW Power is 99.00 % and the x dB value is -26.00 dB.
5700 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5700.000 GHz. The graph displays a signal with a peak at 5700.000 GHz. The scale is 10.0 dB, and the span is 80.000 MHz. The center frequency is 5.70000000 GHz. The video bandwidth is 1.2000 MHz, and the resolution bandwidth is 390.00 kHz. The sweep is 1.00 ms (1001 pts). The metrics show an occupied bandwidth of 18.031 MHz, total power of 19.5 dBm, transmit frequency error of 23.482 kHz, and x dB bandwidth of 23.12 MHz. The % of OBW Power is 99.00 % and the x dB value is -26.00 dB.



Mode 6: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-0	
5190 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5190.000 GHz. The graph displays a signal with a peak level of approximately 16.7 dBm. The settings include a center frequency of 5.19000000 GHz, a span of 120.00 MHz, and a resolution bandwidth of 750.00 kHz. The metrics show an occupied bandwidth of 36.281 MHz, a total power of 16.7 dBm, and a transmit frequency error of 43.882 kHz.
5230 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5230.000 GHz. The graph displays a signal with a peak level of approximately 17.1 dBm. The settings include a center frequency of 5.23000000 GHz, a span of 120.00 MHz, and a resolution bandwidth of 750.00 kHz. The metrics show an occupied bandwidth of 36.258 MHz, a total power of 17.1 dBm, and a transmit frequency error of 78.469 kHz.
5270 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5270.000 GHz. The graph displays a signal with a peak level of approximately 16.5 dBm. The settings include a center frequency of 5.27000000 GHz, a span of 120.00 MHz, and a resolution bandwidth of 750.00 kHz. The metrics show an occupied bandwidth of 36.344 MHz, a total power of 16.5 dBm, and a transmit frequency error of 106.20 kHz.

Mode 6: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-0	
5310 MHz	 Center Frequency: 5.31000000 GHz Span: 120.00 MHz CF Step: 12.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 36.282 MHz Total Power: 16.5 dBm Transmit Freq Error: 60.725 kHz x dB Bandwidth: 41.25 MHz % of OBW Power: 99.00 % x dB: -26.00 dB
5510 MHz	 Center Frequency: 5.51000000 GHz Span: 120.00 MHz CF Step: 12.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 36.271 MHz Total Power: 17.8 dBm Transmit Freq Error: 48.450 kHz x dB Bandwidth: 41.64 MHz % of OBW Power: 99.00 % x dB: -26.00 dB
5550 MHz	 Center Frequency: 5.55000000 GHz Span: 120.00 MHz CF Step: 12.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 36.312 MHz Total Power: 17.3 dBm Transmit Freq Error: 93.906 kHz x dB Bandwidth: 40.99 MHz % of OBW Power: 99.00 % x dB: -26.00 dB



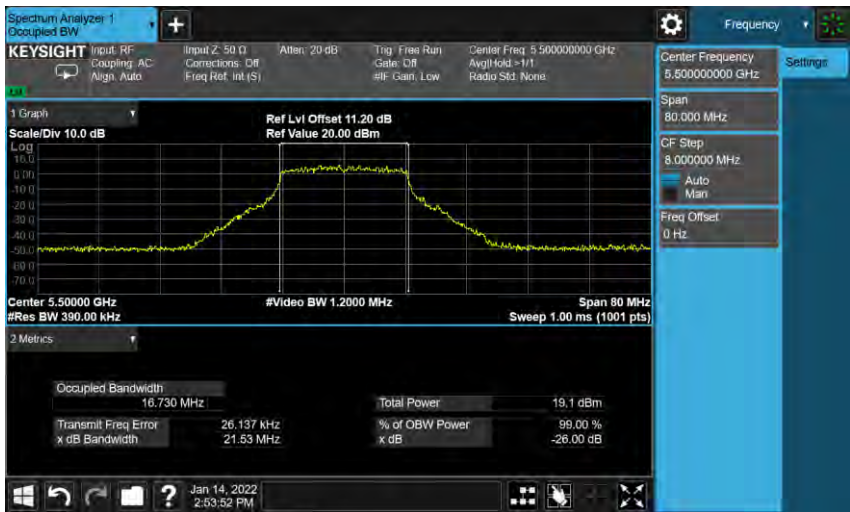
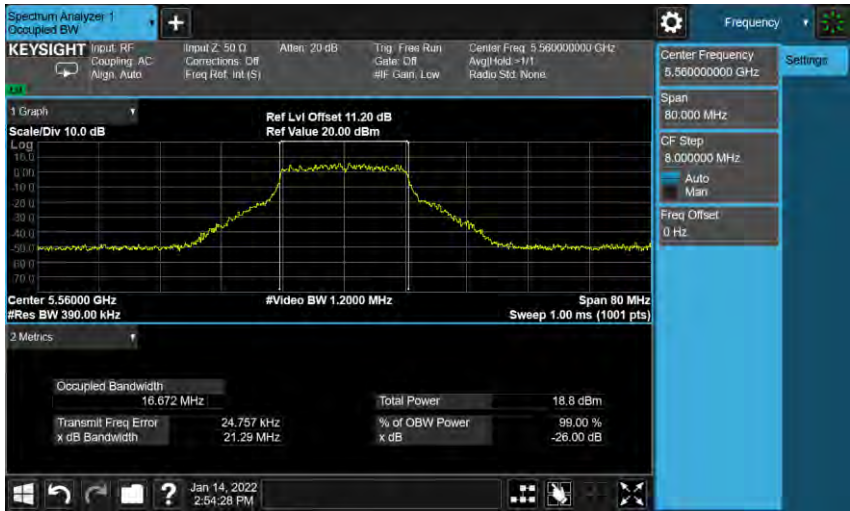
Mode 7: IEEE 802.11ac 80 MHz Continuous TX Mode_ANT-0	
5210 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5210 MHz. The graph displays a signal with a peak at 5210 MHz. The metrics section shows: - Center Frequency: 5.21000000 GHz - Span: 240.00 MHz - CF Step: 24.000000 MHz - Freq Offset: 0 Hz - Ref Lvl Offset: 11.20 dB - Ref Value: 20.00 dBm - Video BW: 5.0000 MHz - Span: 240 MHz - Sweep: 1.00 ms (1001 pts) - Occupied Bandwidth: 75.738 MHz - Total Power: 17.7 dBm - Transmit Freq Error: 170.52 KHz % of OBW Power: 99.00 % - x dB Bandwidth: 83.39 MHz - x dB: -26.00 dB
5290 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5290 MHz. The graph displays a signal with a peak at 5290 MHz. The metrics section shows: - Center Frequency: 5.29000000 GHz - Span: 240.00 MHz - CF Step: 24.000000 MHz - Freq Offset: 0 Hz - Ref Lvl Offset: 11.20 dB - Ref Value: 20.00 dBm - Video BW: 5.0000 MHz - Span: 240 MHz - Sweep: 1.00 ms (1001 pts) - Occupied Bandwidth: 75.607 MHz - Total Power: 17.4 dBm - Transmit Freq Error: 162.72 KHz % of OBW Power: 99.00 % - x dB Bandwidth: 84.40 MHz - x dB: -26.00 dB
5530 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5530 MHz. The graph displays a signal with a peak at 5530 MHz. The metrics section shows: - Center Frequency: 5.53000000 GHz - Span: 240.00 MHz - CF Step: 24.000000 MHz - Freq Offset: 0 Hz - Ref Lvl Offset: 11.20 dB - Ref Value: 20.00 dBm - Video BW: 5.0000 MHz - Span: 240 MHz - Sweep: 1.00 ms (1001 pts) - Occupied Bandwidth: 75.628 MHz - Total Power: 18.8 dBm - Transmit Freq Error: 161.92 KHz % of OBW Power: 99.00 % - x dB Bandwidth: 84.12 MHz - x dB: -26.00 dB

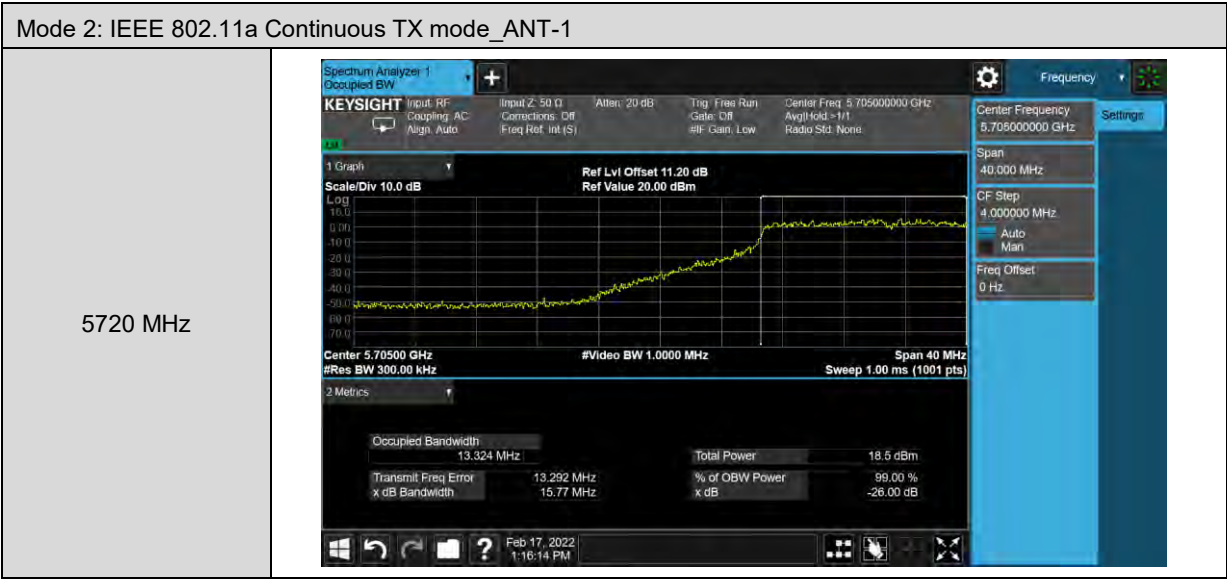
Mode 7: IEEE 802.11ac 80 MHz Continuous TX Mode_ANT-0



Mode 2: IEEE 802.11a Continuous TX mode_ANT-1													
5180 MHz	 Center Frequency: 5.18000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Auto Man Freq Offset: 0 Hz 1 Graph Scale/Div 10.0 dB Log Ref Lvl Offset 11.20 dB Ref Value 20.00 dBm 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>16.778 MHz</td><td>Total Power</td><td>17.3 dBm</td></tr><tr><td>Transmit Freq Error</td><td>41.979 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>21.56 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Jan 14, 2022 2:50:19 PM	Occupied Bandwidth	16.778 MHz	Total Power	17.3 dBm	Transmit Freq Error	41.979 kHz	% of OBW Power	99.00 %	x dB Bandwidth	21.56 MHz	x dB	-26.00 dB
Occupied Bandwidth	16.778 MHz	Total Power	17.3 dBm										
Transmit Freq Error	41.979 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	21.56 MHz	x dB	-26.00 dB										
5200 MHz	 Center Frequency: 5.20000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Auto Man Freq Offset: 0 Hz 1 Graph Scale/Div 10.0 dB Log Ref Lvl Offset 11.20 dB Ref Value 20.00 dBm 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>16.680 MHz</td><td>Total Power</td><td>19.3 dBm</td></tr><tr><td>Transmit Freq Error</td><td>36.347 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>22.23 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Jan 14, 2022 2:51:13 PM	Occupied Bandwidth	16.680 MHz	Total Power	19.3 dBm	Transmit Freq Error	36.347 kHz	% of OBW Power	99.00 %	x dB Bandwidth	22.23 MHz	x dB	-26.00 dB
Occupied Bandwidth	16.680 MHz	Total Power	19.3 dBm										
Transmit Freq Error	36.347 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	22.23 MHz	x dB	-26.00 dB										
5240 MHz	 Center Frequency: 5.24000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Auto Man Freq Offset: 0 Hz 1 Graph Scale/Div 10.0 dB Log Ref Lvl Offset 11.20 dB Ref Value 20.00 dBm 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>16.640 MHz</td><td>Total Power</td><td>19.1 dBm</td></tr><tr><td>Transmit Freq Error</td><td>43.282 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>21.70 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Jan 14, 2022 2:51:43 PM	Occupied Bandwidth	16.640 MHz	Total Power	19.1 dBm	Transmit Freq Error	43.282 kHz	% of OBW Power	99.00 %	x dB Bandwidth	21.70 MHz	x dB	-26.00 dB
Occupied Bandwidth	16.640 MHz	Total Power	19.1 dBm										
Transmit Freq Error	43.282 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	21.70 MHz	x dB	-26.00 dB										

Mode 2: IEEE 802.11a Continuous TX mode_ANT-1	
5260 MHz	 Center Frequency: 5.26000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Auto Man Freq Offset: 0 Hz Occupied Bandwidth: 16.660 MHz Total Power: 19.6 dBm Transmit Freq Error: 24.816 kHz % of OBW Power: 99.00 % x dB Bandwidth: 21.41 MHz x dB: -26.00 dB
5280 MHz	 Center Frequency: 5.28000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Auto Man Freq Offset: 0 Hz Occupied Bandwidth: 16.681 MHz Total Power: 19.3 dBm Transmit Freq Error: 18.985 kHz % of OBW Power: 99.00 % x dB Bandwidth: 21.35 MHz x dB: -26.00 dB
5320 MHz	 Center Frequency: 5.32000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Auto Man Freq Offset: 0 Hz Occupied Bandwidth: 16.721 MHz Total Power: 19.2 dBm Transmit Freq Error: 51.051 kHz % of OBW Power: 99.00 % x dB Bandwidth: 21.87 MHz x dB: -26.00 dB

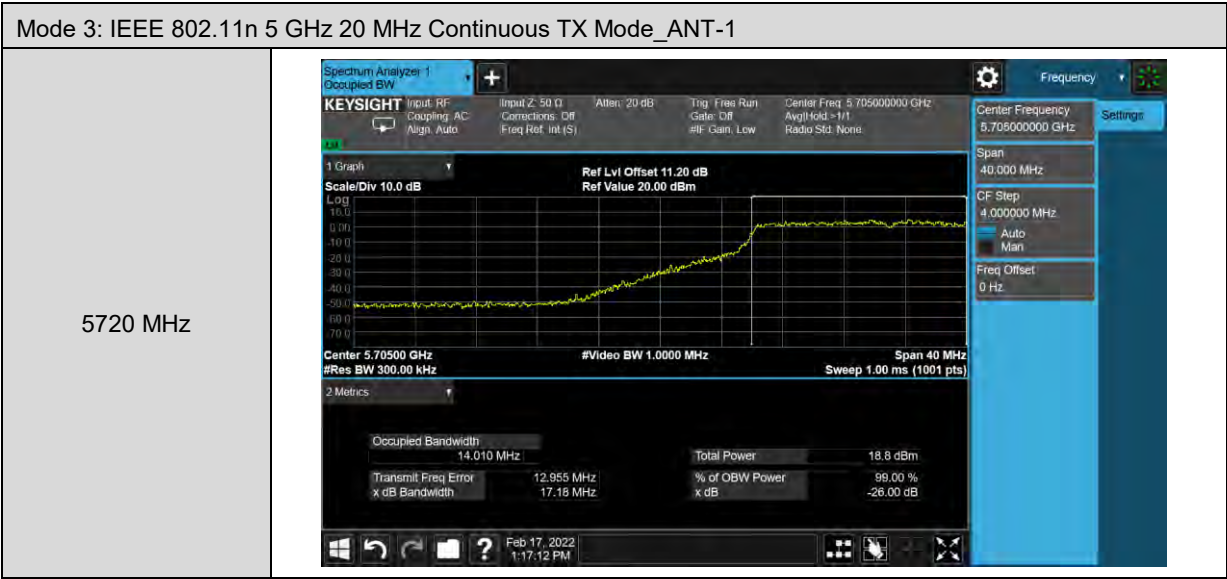
Mode 2: IEEE 802.11a Continuous TX mode_ANT-1	
5500 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5500.000 GHz. The graph displays a signal with a peak at 5500.000 GHz. The scale is 10.0 dB, and the span is 80.000 MHz. The center frequency is 5.50000000 GHz. The video bandwidth is 1.2000 MHz, and the resolution bandwidth is 390.00 kHz. The sweep is 1.00 ms (1001 pts). The metrics show an occupied bandwidth of 16.730 MHz, total power of 19.1 dBm, transmit frequency error of 26.137 kHz, and x dB bandwidth of 21.53 MHz. The reference level is 20.00 dBm, and the reference level offset is 11.20 dB. The settings panel on the right shows center frequency, span, CF step, and frequency offset.
5560 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5560.000 GHz. The graph displays a signal with a peak at 5560.000 GHz. The scale is 10.0 dB, and the span is 80.000 MHz. The center frequency is 5.56000000 GHz. The video bandwidth is 1.2000 MHz, and the resolution bandwidth is 390.00 kHz. The sweep is 1.00 ms (1001 pts). The metrics show an occupied bandwidth of 16.672 MHz, total power of 18.8 dBm, transmit frequency error of 24.757 kHz, and x dB bandwidth of 21.29 MHz. The reference level is 20.00 dBm, and the reference level offset is 11.20 dB. The settings panel on the right shows center frequency, span, CF step, and frequency offset.
5700 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5700.000 GHz. The graph displays a signal with a peak at 5700.000 GHz. The scale is 10.0 dB, and the span is 80.000 MHz. The center frequency is 5.70000000 GHz. The video bandwidth is 1.2000 MHz, and the resolution bandwidth is 390.00 kHz. The sweep is 1.00 ms (1001 pts). The metrics show an occupied bandwidth of 16.702 MHz, total power of 19.5 dBm, transmit frequency error of 22.667 kHz, and x dB bandwidth of 21.24 MHz. The reference level is 20.00 dBm, and the reference level offset is 11.20 dB. The settings panel on the right shows center frequency, span, CF step, and frequency offset.



Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-1

5260 MHz	 Center 5.26000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth: 17.929 MHz Total Power: 17.2 dBm Transmit Freq Error: 22.609 kHz % of OBW Power: 99.00 % x dB Bandwidth: 22.53 MHz x dB: -26.00 dB
5280 MHz	 Center 5.28000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth: 17.897 MHz Total Power: 17.3 dBm Transmit Freq Error: 39.815 kHz % of OBW Power: 99.00 % x dB Bandwidth: 22.67 MHz x dB: -26.00 dB
5320 MHz	 Center 5.32000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth: 17.925 MHz Total Power: 17.6 dBm Transmit Freq Error: 15.437 kHz % of OBW Power: 99.00 % x dB Bandwidth: 22.51 MHz x dB: -26.00 dB

Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-1	
5500 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5500.000 GHz. The graph displays a signal with a peak at 5500.000 GHz. The scale is 10.0 dB, and the span is 80.000 MHz. The center frequency is 5.50000000 GHz. The video bandwidth is 1.2000 MHz, and the resolution bandwidth is 390.00 kHz. The total power is 18.8 dBm, and the occupied bandwidth is 17.952 MHz. The transmit frequency error is 59.276 kHz, and the x dB bandwidth is 23.98 MHz. The % of OBW power is 99.00 %, and the x dB is -26.00 dB. The settings panel on the right shows Center Frequency: 5.50000000 GHz, Span: 80.000 MHz, CF Step: 8.000000 MHz, Auto Man, Freq Offset: 0 Hz.
5560 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5560.000 GHz. The graph displays a signal with a peak at 5560.000 GHz. The scale is 10.0 dB, and the span is 80.000 MHz. The center frequency is 5.56000000 GHz. The video bandwidth is 1.2000 MHz, and the resolution bandwidth is 390.00 kHz. The total power is 19.2 dBm, and the occupied bandwidth is 17.971 MHz. The transmit frequency error is 32.122 kHz, and the x dB bandwidth is 22.85 MHz. The % of OBW power is 99.00 %, and the x dB is -26.00 dB. The settings panel on the right shows Center Frequency: 5.56000000 GHz, Span: 80.000 MHz, CF Step: 8.000000 MHz, Auto Man, Freq Offset: 0 Hz.
5700 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5700.000 GHz. The graph displays a signal with a peak at 5700.000 GHz. The scale is 10.0 dB, and the span is 80.000 MHz. The center frequency is 5.70000000 GHz. The video bandwidth is 1.2000 MHz, and the resolution bandwidth is 390.00 kHz. The total power is 19.4 dBm, and the occupied bandwidth is 17.949 MHz. The transmit frequency error is 20.477 kHz, and the x dB bandwidth is 24.05 MHz. The % of OBW power is 99.00 %, and the x dB is -26.00 dB. The settings panel on the right shows Center Frequency: 5.70000000 GHz, Span: 80.000 MHz, CF Step: 8.000000 MHz, Auto Man, Freq Offset: 0 Hz.



Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-1

5270 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5270.000 GHz. The graph displays a signal with a peak level of approximately 15.8 dBm. The settings include a center frequency of 5270.000 GHz, a span of 120.00 MHz, and a resolution bandwidth of 750.00 kHz. The metrics show an occupied bandwidth of 36.286 MHz and a total power of 15.8 dBm.
5310 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5310.000 GHz. The graph displays a signal with a peak level of approximately 15.8 dBm. The settings include a center frequency of 5310.000 GHz, a span of 120.00 MHz, and a resolution bandwidth of 750.00 kHz. The metrics show an occupied bandwidth of 36.275 MHz and a total power of 15.8 dBm.
5510 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5510.000 GHz. The graph displays a signal with a peak level of approximately 16.8 dBm. The settings include a center frequency of 5510.000 GHz, a span of 120.00 MHz, and a resolution bandwidth of 750.00 kHz. The metrics show an occupied bandwidth of 36.268 MHz and a total power of 16.8 dBm.

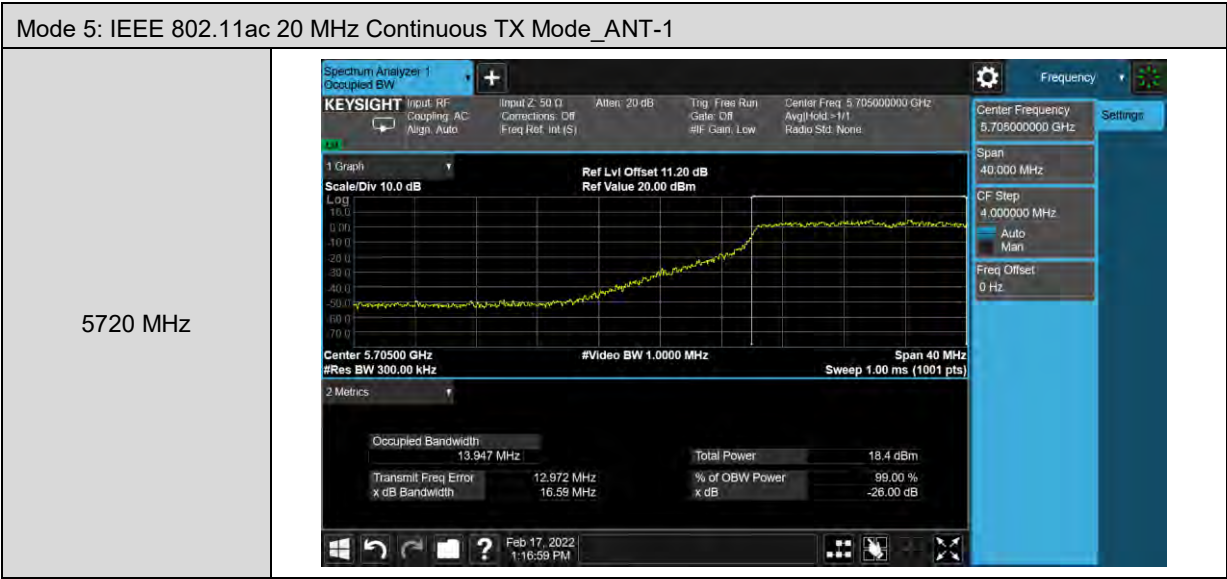
Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-1	
5550 MHz	
5670 MHz	
5710 MHz	

Mode 5: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-1	
5180 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5180.000 GHz. The graph displays a signal with a peak at 5180 MHz. The metrics section shows: - Occupied Bandwidth: 17.979 MHz - Total Power: 17.3 dBm - Transmit Freq Error: 40.658 kHz % of OBW Power: 99.00 % - x dB Bandwidth: 23.51 MHz - x dB: -26.00 dB
5200 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5200.000 GHz. The graph displays a signal with a peak at 5200 MHz. The metrics section shows: - Occupied Bandwidth: 17.982 MHz - Total Power: 16.9 dBm - Transmit Freq Error: 22.734 kHz % of OBW Power: 99.00 % - x dB Bandwidth: 22.50 MHz - x dB: -26.00 dB
5240 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5240.000 GHz. The graph displays a signal with a peak at 5240 MHz. The metrics section shows: - Occupied Bandwidth: 17.937 MHz - Total Power: 17.1 dBm - Transmit Freq Error: 68.605 kHz % of OBW Power: 99.00 % - x dB Bandwidth: 22.58 MHz - x dB: -26.00 dB

Mode 5: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-1	
5260 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5260 MHz. The graph displays a signal with a peak at 5260 MHz. The metrics show an Occupied Bandwidth of 17.88 MHz, Total Power of 17.1 dBm, and a Transmit Freq Error of 27.535 kHz. The settings include a Center Frequency of 5.26000000 GHz, Span of 80.000 MHz, and a Video BW of 1.2000 MHz.
5280 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5280 MHz. The graph displays a signal with a peak at 5280 MHz. The metrics show an Occupied Bandwidth of 17.956 MHz, Total Power of 17.2 dBm, and a Transmit Freq Error of 34.416 kHz. The settings include a Center Frequency of 5.28000000 GHz, Span of 80.000 MHz, and a Video BW of 1.2000 MHz.
5320 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5320 MHz. The graph displays a signal with a peak at 5320 MHz. The metrics show an Occupied Bandwidth of 17.977 MHz, Total Power of 17.6 dBm, and a Transmit Freq Error of 25.798 kHz. The settings include a Center Frequency of 5.32000000 GHz, Span of 80.000 MHz, and a Video BW of 1.2000 MHz.

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

5500 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5500.000 GHz. The graph displays a signal with a peak level of approximately 19.0 dBm. The settings include: Center Frequency 5,500,000,000 GHz, Span 80.000 MHz, Res BW 390.00 kHz, Video BW 1.2000 MHz, and Sweep 1.00 ms (1001 pts). The metrics show: Occupied Bandwidth 17.906 MHz, Total Power 19.0 dBm, Transmit Freq Error 44.885 kHz, and % of OBW Power 99.00 %.
5560 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5560.000 GHz. The graph displays a signal with a peak level of approximately 19.5 dBm. The settings include: Center Frequency 5,560,000,000 GHz, Span 80.000 MHz, Res BW 390.00 kHz, Video BW 1.2000 MHz, and Sweep 1.00 ms (1001 pts). The metrics show: Occupied Bandwidth 17.942 MHz, Total Power 19.5 dBm, Transmit Freq Error 36.395 kHz, and % of OBW Power 99.00 %.
5700 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5700.000 GHz. The graph displays a signal with a peak level of approximately 19.5 dBm. The settings include: Center Frequency 5,700,000,000 GHz, Span 80.000 MHz, Res BW 390.00 kHz, Video BW 1.2000 MHz, and Sweep 1.00 ms (1001 pts). The metrics show: Occupied Bandwidth 17.911 MHz, Total Power 19.5 dBm, Transmit Freq Error -2.269 kHz, and % of OBW Power 99.00 %.



Mode 6: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-1	
5190 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5190.000 GHz. The graph displays a signal with a peak level of approximately 15.9 dBm. The settings include a center frequency of 5.19000000 GHz, a span of 120.00 MHz, and a resolution bandwidth of 750.00 kHz. The occupied bandwidth is 36.284 MHz, and the total power is 15.9 dBm.
5230 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5230.000 GHz. The graph displays a signal with a peak level of approximately 15.8 dBm. The settings include a center frequency of 5.23000000 GHz, a span of 120.00 MHz, and a resolution bandwidth of 750.00 kHz. The occupied bandwidth is 36.321 MHz, and the total power is 15.8 dBm.
5270 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5270.000 GHz. The graph displays a signal with a peak level of approximately 15.8 dBm. The settings include a center frequency of 5.27000000 GHz, a span of 120.00 MHz, and a resolution bandwidth of 750.00 kHz. The occupied bandwidth is 36.274 MHz, and the total power is 15.8 dBm.

Mode 6: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-1	
5310 MHz	 Center 5.31000 GHz #Res BW 750.00 kHz #Video BW 2.4000 MHz Span 120 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth: 36.274 MHz Total Power: 16.0 dBm Transmit Freq Error: 69.659 kHz % of OBW Power: 99.00 % x dB Bandwidth: 41.59 MHz x dB: -26.00 dB
5510 MHz	 Center 5.51000 GHz #Res BW 750.00 kHz #Video BW 2.4000 MHz Span 120 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth: 36.284 MHz Total Power: 16.9 dBm Transmit Freq Error: 47.928 kHz % of OBW Power: 99.00 % x dB Bandwidth: 41.13 MHz x dB: -26.00 dB
5550 MHz	 Center 5.55000 GHz #Res BW 750.00 kHz #Video BW 2.4000 MHz Span 120 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth: 36.244 MHz Total Power: 17.0 dBm Transmit Freq Error: 92.587 kHz % of OBW Power: 99.00 % x dB Bandwidth: 41.20 MHz x dB: -26.00 dB

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

5670 MHz



5710 MHz



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

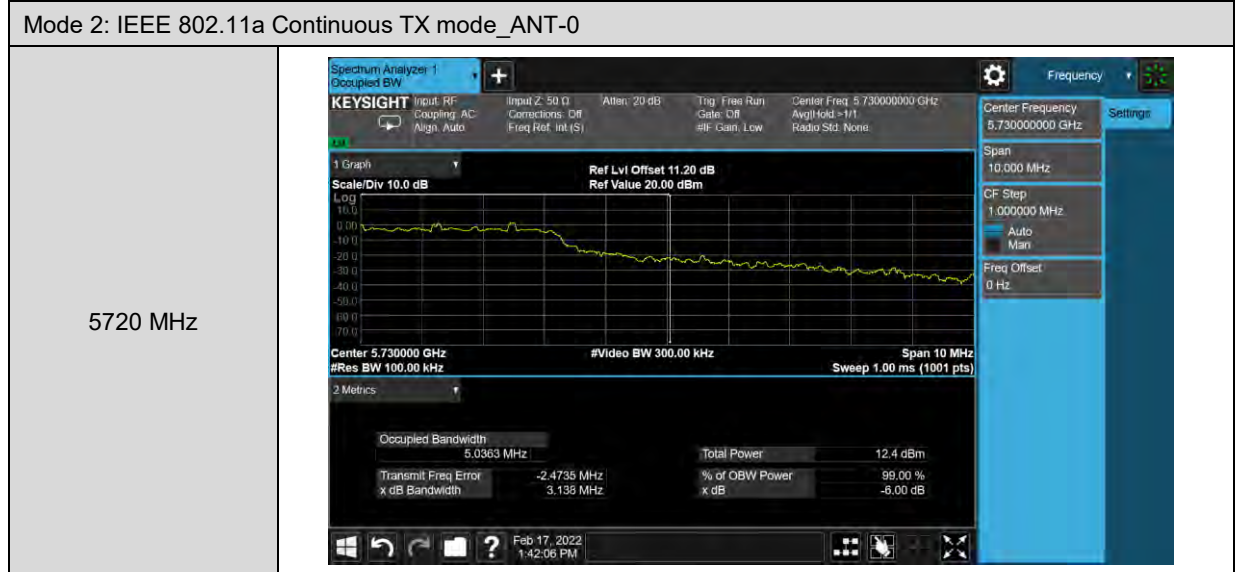
5210 MHz	 Center 5.2100 GHz #Res BW 1.5000 MHz #Video BW 5.0000 MHz Span 240 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth: 75.746 MHz Total Power: 17.2 dBm Transmit Freq Error: 150.57 KHz % of OBW Power: 99.00 % x dB Bandwidth: 82.86 MHz x dB: -26.00 dB
5290 MHz	 Center 5.2900 GHz #Res BW 1.5000 MHz #Video BW 5.0000 MHz Span 240 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth: 75.742 MHz Total Power: 17.0 dBm Transmit Freq Error: 110.55 KHz % of OBW Power: 99.00 % x dB Bandwidth: 82.23 MHz x dB: -26.00 dB
5530 MHz	 Center 5.5300 GHz #Res BW 1.5000 MHz #Video BW 5.0000 MHz Span 240 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth: 75.605 MHz Total Power: 18.5 dBm Transmit Freq Error: 49.074 KHz % of OBW Power: 99.00 % x dB Bandwidth: 82.61 MHz x dB: -26.00 dB



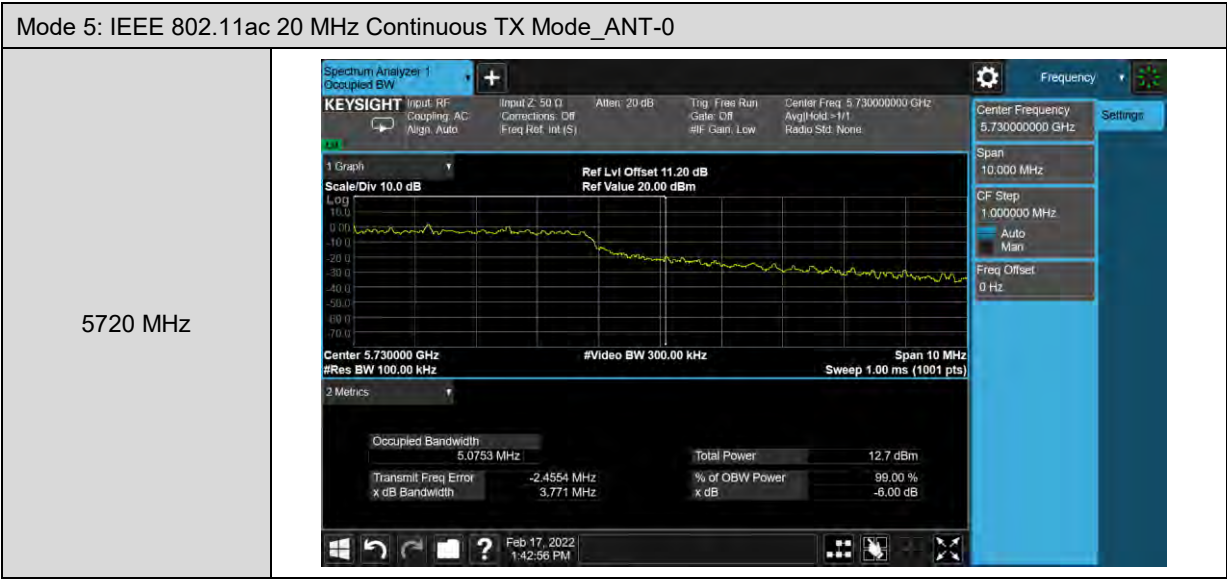
6 dB RF Bandwidth Measurement

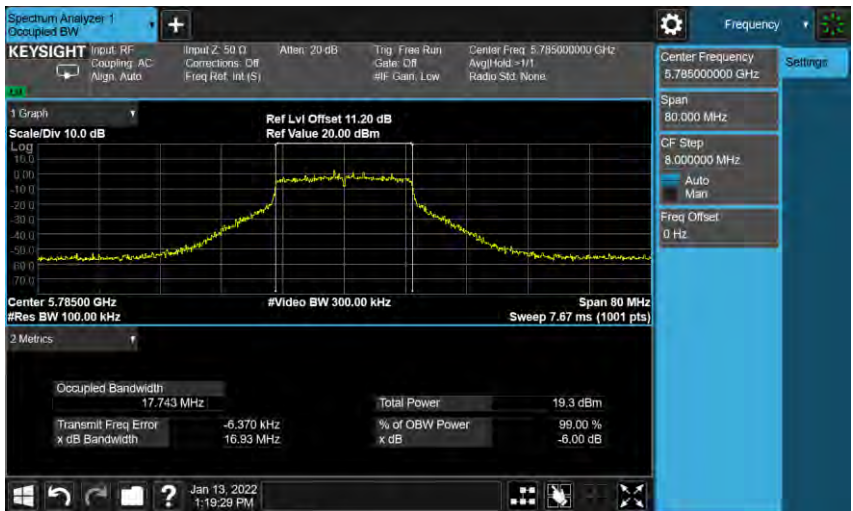
Test Mode	Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
		Measurement Results (MHz)	Measurement Results (MHz)	
Mode 2	5720	3138	3138	≥ 500
	5745	16370	15120	≥ 500
	5785	15220	15540	≥ 500
	5825	16120	16080	≥ 500
Mode 5	5720	3771	3754	≥ 500
	5745	16900	17340	≥ 500
	5785	16930	15480	≥ 500
	5825	15410	16890	≥ 500
Mode 6	5710	3164	3140	≥ 500
	5755	35320	35510	≥ 500
	5795	35400	35460	≥ 500
Mode 7	5690	3165	3184	≥ 500
	5775	74080	75160	≥ 500

■ Test Graphs



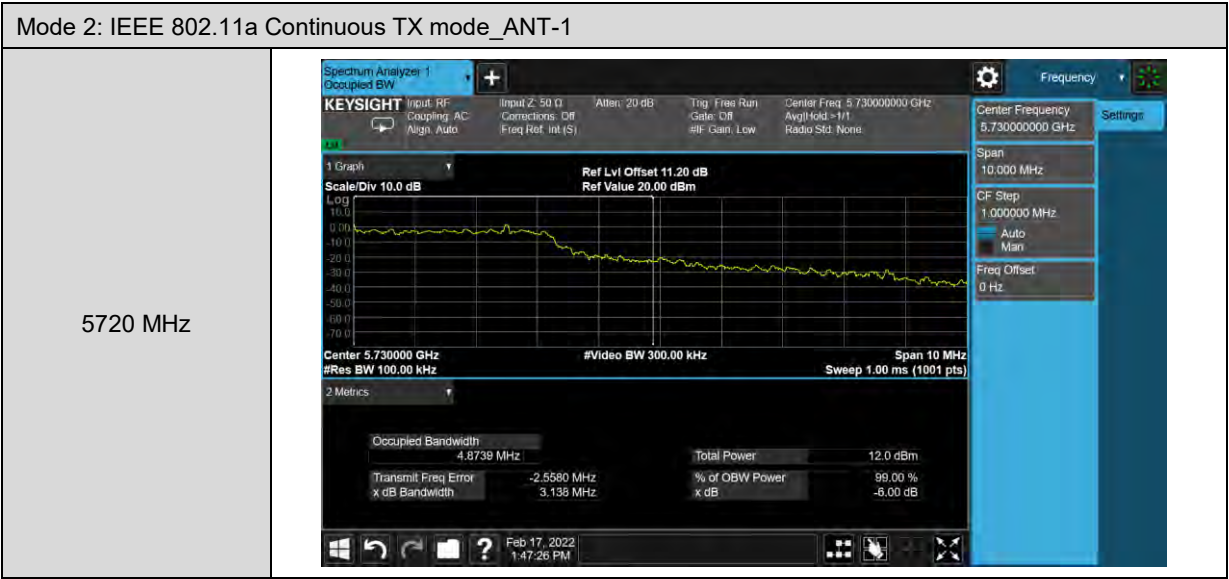
Mode 2: IEEE 802.11a Continuous TX mode_ANT-0	
5745 MHz	 Keysight Spectrum Analyzer 1 Occupied BW Center Frequency: 5.74500000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 16.516 MHz Total Power: 19.4 dBm Transmit Freq Error: -12.602 kHz % of OBW Power: 99.00 % x dB Bandwidth: 16.37 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: 16.479 MHz Total Power: 19.5 dBm Transmit Freq Error: -13.999 kHz % of OBW Power: 99.00 % x dB Bandwidth: 15.22 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: 16.498 MHz Total Power: 19.4 dBm Transmit Freq Error: -8.224 kHz % of OBW Power: 99.00 % x dB Bandwidth: 16.12 MHz x dB: -6.00 dB



Mode 5: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-0	
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: 17.723 MHz Total Power: 19.6 dBm Transmit Freq Error: -16.357 kHz % of OBW Power: 99.00 % x dB Bandwidth: 16.90 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: 17.743 MHz Total Power: 19.3 dBm Transmit Freq Error: -6.370 kHz % of OBW Power: 99.00 % x dB Bandwidth: 16.93 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: 17.703 MHz Total Power: 20.0 dBm Transmit Freq Error: -17.018 kHz % of OBW Power: 99.00 % x dB Bandwidth: 15.41 MHz x dB: -6.00 dB

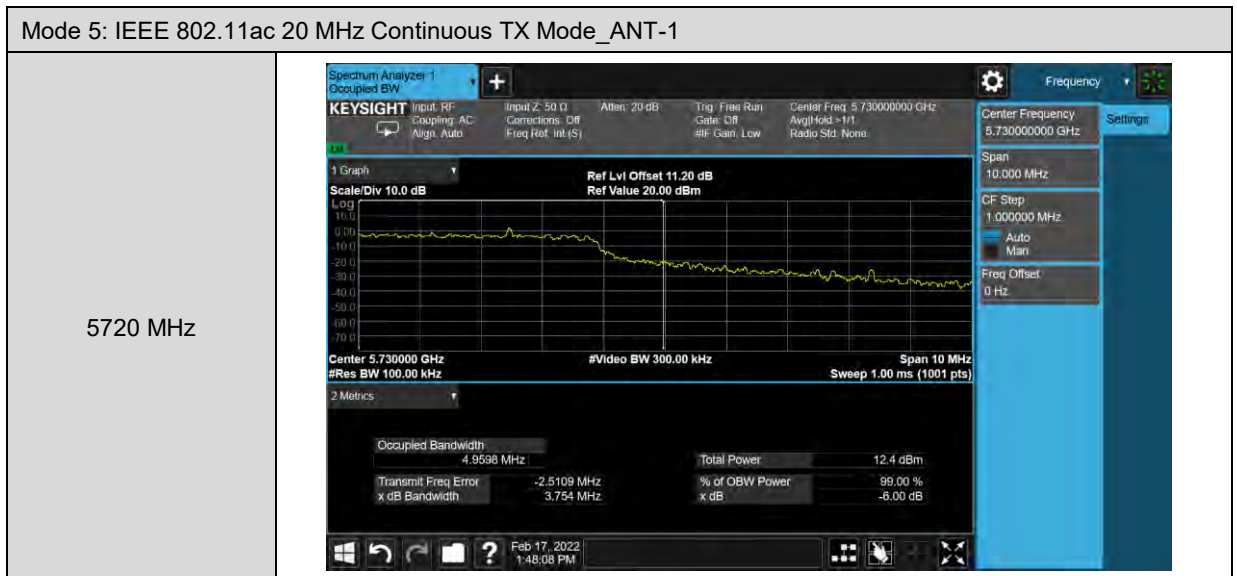
Mode 6: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-0	
5710 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a continuous transmission signal at 5710 MHz. The center frequency is 5.730000000 GHz. The span is 10.000 MHz. The occupied bandwidth is 4.1257 MHz. The total power is 5.92 dBm. The transmit frequency error is -2.9268 MHz. The x dB bandwidth is 3.164 MHz. The video bandwidth is 300.00 kHz. The resolution bandwidth is 100.00 kHz. The sweep is 1.00 ms (1001 pts). The reference level offset is 11.20 dB. The reference value is 20.00 dBm. The scale/div is 10.0 dB. The log scale is selected. The frequency is 5710 MHz.
5755 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a continuous transmission signal at 5755 MHz. The center frequency is 5.755000000 GHz. The span is 120.00 MHz. The occupied bandwidth is 36.070 MHz. The total power is 19.1 dBm. The transmit frequency error is -14.476 kHz. The x dB bandwidth is 35.32 MHz. The video bandwidth is 300.00 kHz. The resolution bandwidth is 100.00 kHz. The sweep is 11.5 ms (1001 pts). The reference level offset is 11.20 dB. The reference value is 20.00 dBm. The scale/div is 10.0 dB. The log scale is selected. The frequency is 5755 MHz.
5795 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a continuous transmission signal at 5795 MHz. The center frequency is 5.795000000 GHz. The span is 120.00 MHz. The occupied bandwidth is 36.121 MHz. The total power is 19.7 dBm. The transmit frequency error is -25.582 kHz. The x dB bandwidth is 35.40 MHz. The video bandwidth is 300.00 kHz. The resolution bandwidth is 100.00 kHz. The sweep is 11.5 ms (1001 pts). The reference level offset is 11.20 dB. The reference value is 20.00 dBm. The scale/div is 10.0 dB. The log scale is selected. The frequency is 5795 MHz.

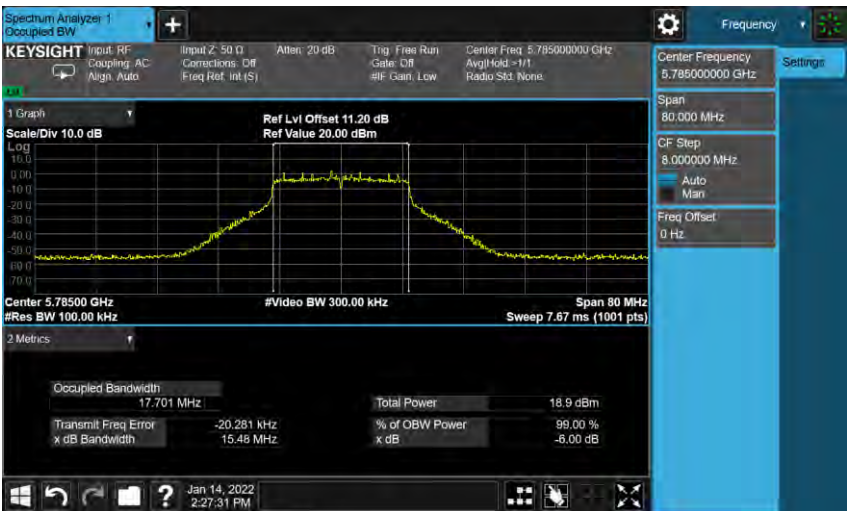
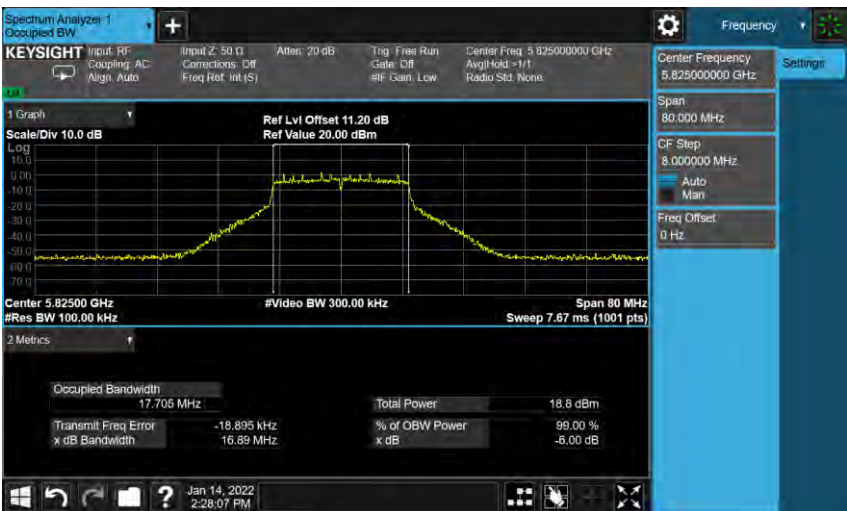




Mode 2: IEEE 802.11a Continuous TX mode_ANT-1

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 Occupied Bandwidth: 16.487 MHz Total Power: 19.0 dBm Transmit Freq Error: -14.704 kHz % of OBW Power: 99.00 % x dB Bandwidth: 15.12 MHz x dB: -6.00 dB Jan 14, 2022 2:24:09 PM
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 Occupied Bandwidth: 16.472 MHz Total Power: 18.9 dBm Transmit Freq Error: -12.902 kHz % of OBW Power: 99.00 % x dB Bandwidth: 15.54 MHz x dB: -6.00 dB Jan 14, 2022 2:25:09 PM
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 Occupied Bandwidth: 16.503 MHz Total Power: 18.9 dBm Transmit Freq Error: -11.736 kHz % of OBW Power: 99.00 % x dB Bandwidth: 16.08 MHz x dB: -6.00 dB Jan 14, 2022 2:26:13 PM



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: 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 Occupied Bandwidth: 17.725 MHz Total Power: 18.8 dBm Transmit Freq Error: -22.086 kHz % of OBW Power: 99.00 % x dB Bandwidth: 17.34 MHz x dB: -6.00 dB Jan 14, 2022 2:27:00 PM
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 Occupied Bandwidth: 17.701 MHz Total Power: 18.9 dBm Transmit Freq Error: -20.281 kHz % of OBW Power: 99.00 % x dB Bandwidth: 15.48 MHz x dB: -6.00 dB Jan 14, 2022 2:27:31 PM
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 Occupied Bandwidth: 17.705 MHz Total Power: 18.8 dBm Transmit Freq Error: -18.895 kHz % of OBW Power: 99.00 % x dB Bandwidth: 16.89 MHz x dB: -6.00 dB Jan 14, 2022 2:28:07 PM

Mode 6: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-1	
5710 MHz	 Center Frequency: 5.73000000 GHz Span: 10.000 MHz CF Step: 1.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 4.0377 MHz Total Power: 6.36 dBm Transmitt Freq Error: -2.9727 MHz x dB Bandwidth: 3.140 MHz % of OBW Power: 99.00 % x dB: -6.00 dB
5755 MHz	 Center Frequency: 5.75500000 GHz Span: 120.00 MHz CF Step: 12.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 36.086 MHz Total Power: 18.4 dBm Transmitt Freq Error: -32.488 kHz x dB Bandwidth: 35.51 MHz % of OBW Power: 99.00 % x dB: -6.00 dB
5795 MHz	 Center Frequency: 5.79500000 GHz Span: 120.00 MHz CF Step: 12.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 36.132 MHz Total Power: 17.9 dBm Transmitt Freq Error: -36.750 kHz x dB Bandwidth: 35.46 MHz % of OBW Power: 99.00 % x dB: -6.00 dB

