

MIMO

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	19	19	ART2-GUI version 2.3
	5200	19	19	
	5220	19	19	
	5240	19	19	
	5260	15	15	
	5280	15.5	15.5	
	5300	15.5	15.5	
	5320	10.5	10.5	
	5500	15.5	15.5	
	5520	15.5	15.5	
	5540	15.5	15.5	
	5560	15.5	15.5	
	5580	15.5	15.5	
	5600	15.5	15.5	
	5620	15.5	15.5	
	5640	15.5	15.5	
	5660	15.5	15.5	
	5680	15.5	15.5	
	5700	16.5	16.5	
	5745	25	25	
	5765	24	24	
	5785	24	24	
	5805	24	24	
	5825	23.5	23.5	

Test Mode	Frequency (MHz)	RF Power setting in Test Software		Test Software Version
		ANT-0	ANT-1	
Mode 3	5180	18	18	ART2-GUI version 2.3
	5200	18	18	
	5220	18	18	
	5240	17.5	17.5	
	5260	17	17	
	5280	16.5	16.5	
	5300	16.5	16.5	
	5320	16	16	
	5500	14	14	
	5520	14.5	14.5	
	5540	14.5	14.5	
	5560	14.5	14.5	
	5580	14.5	14.5	
	5600	14.5	14.5	
	5620	14.5	14.5	
	5640	14.5	14.5	
	5660	14.5	14.5	
	5680	14.5	14.5	
	5700	14.5	14.5	
	5745	24.5	24.5	
	5765	23.5	23.5	
	5785	23.5	23.5	
	5805	23.5	23.5	
	5825	22.5	22.5	
Mode 4	5190	16	16	
	5230	16	16	
	5270	15.5	15.5	
	5310	10	10	
	5510	14	14	
	5550	17	17	
	5590	17	17	
	5630	17	17	
	5670	14	14	
	5755	14.5	14.5	
	5795	14.5	14.5	

Maximum Conducted Output Power and Transmit power control Measurement

Test Mode		Mode 2: IEEE 802.11a Continuous TX mode					
Frequency (MHz)	Data Rate	ANT-0		ANT-1		Limit (dBm)	
		Max. Output Power					
		(dBm)	(W)	(dBm)	(W)		
5180	6 M	18.70	0.074	17.96	0.063	≤	29.00
5200		18.98	0.079	18.55	0.072	≤	29.00
5220		18.90	0.078	18.43	0.070	≤	29.00
5240		19.01	0.080	18.85	0.077	≤	29.00
5260		15.53	0.036	15.49	0.035	≤	23.00
5280		16.19	0.042	15.92	0.039	≤	23.00
5300		16.11	0.041	15.87	0.039	≤	23.00
5320		11.27	0.013	10.94	0.012	≤	23.00
5500		16.62	0.046	16.48	0.044	≤	24.00
5520		16.39	0.044	15.77	0.038	≤	24.00
5540		16.36	0.043	15.76	0.038	≤	24.00
5560		16.43	0.044	15.81	0.038	≤	24.00
5580		16.37	0.043	15.72	0.037	≤	24.00
5600		16.35	0.043	15.73	0.037	≤	24.00
5620		16.36	0.043	15.71	0.037	≤	24.00
5640		16.32	0.043	15.76	0.038	≤	24.00
5660		16.30	0.043	15.79	0.038	≤	24.00
5680		16.28	0.042	15.70	0.037	≤	24.00
5700		17.39	0.055	16.63	0.046	≤	24.00
5745		23.72	0.236	22.85	0.193	≤	30.00
5765		23.13	0.206	22.89	0.195	≤	30.00
5785		23.20	0.209	22.98	0.199	≤	30.00
5805		23.14	0.206	22.90	0.195	≤	30.00
5825		23.37	0.217	22.31	0.170	≤	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		ANT-1		Limit (dBm)	
		Max. Output Power					
		(dBm)	(W)	(dBm)	(W)		
5180	13 M	17.73	0.059	16.82	0.048	≤	29.00
5200		18.03	0.064	17.25	0.053	≤	29.00
5220		17.98	0.063	17.20	0.052	≤	29.00
5240		17.53	0.057	17.25	0.053	≤	29.00
5260		17.57	0.057	17.29	0.054	≤	23.00
5280		17.12	0.052	16.81	0.048	≤	23.00
5300		17.03	0.050	16.72	0.047	≤	23.00
5320		16.52	0.045	16.46	0.044	≤	23.00
5500		15.02	0.032	14.87	0.031	≤	24.00
5520		15.57	0.036	14.76	0.030	≤	24.00
5540		15.56	0.036	14.77	0.030	≤	24.00
5560		15.65	0.037	14.82	0.030	≤	24.00
5580		15.58	0.036	14.71	0.030	≤	24.00
5600		15.61	0.036	14.72	0.030	≤	24.00
5620		15.59	0.036	14.69	0.029	≤	24.00
5640		15.63	0.037	14.73	0.030	≤	24.00
5660		15.55	0.036	14.75	0.030	≤	24.00
5680		15.58	0.036	14.76	0.030	≤	24.00
5700		16.30	0.043	14.74	0.030	≤	24.00
5745		23.25	0.211	22.48	0.177	≤	30.00
5765		22.77	0.189	22.73	0.187	≤	30.00
5785		22.85	0.193	22.81	0.191	≤	30.00
5805		22.78	0.190	22.71	0.187	≤	30.00
5825		22.57	0.181	21.75	0.150	≤	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		ANT-1		Limit (dBm)	
		Max. Output Power					
		(dBm)	(W)	(dBm)	(W)		
5190	27 M	16.11	0.041	15.35	0.034	≤	29.00
5230		16.47	0.044	16.03	0.040	≤	29.00
5270		16.44	0.044	16.07	0.040	≤	23.00
5310		11.03	0.013	10.58	0.011	≤	23.00
5510		15.47	0.035	14.93	0.031	≤	24.00
5550		18.21	0.066	18.02	0.063	≤	24.00
5590		18.16	0.065	17.95	0.062	≤	24.00
5630		18.14	0.065	17.98	0.063	≤	24.00
5670		14.92	0.031	14.27	0.027	≤	24.00
5755		21.32	0.136	20.39	0.109	≤	30.00
5795		21.15	0.130	21.10	0.129	≤	30.00

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

Test Mode		Mode 2: IEEE 802.11a Continuous TX mode			
Frequency (MHz)	Data Rate	Max_EIRP at any elevation angle > 30° from horizon			Limit (dBm)
		Max. Output Power (dBm)	Elevation angle above 30° Max Gain (dBi)	Elevation angle above 30° EIRP (dBm)	
		ANT-0+1			
5180	6 M	21.36	-2.1	19.26	≤ 21.00
5200		21.78	-2.1	19.68	≤ 21.00
5220		21.68	-2.1	19.58	≤ 21.00
5240		21.94	-2.1	19.84	≤ 21.00

Test Mode		Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode			
Frequency (MHz)	Data Rate	Max_EIRP at any elevation angle > 30° from horizon			Limit (dBm)
		Max. Output Power (dBm)	Elevation angle above 30° Max Gain (dBi)	Elevation angle above 30° EIRP (dBm)	
		ANT-0+1			
5180	13 M	20.31	-2.1	18.21	≤ 21.00
5200		20.67	-2.1	18.57	≤ 21.00
5220		20.62	-2.1	18.52	≤ 21.00
5240		20.40	-2.1	18.30	≤ 21.00

Test Mode		Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode			
Frequency (MHz)	Data Rate	Max_EIRP at any elevation angle > 30 ° from horizon			Limit (dBm)
		Max. Output Power (dBm)	Elevation angle above 30 ° Max Gain (dBi)	Elevation angle above 30 ° EIRP (dBm)	
		ANT-0+1			
5190	27 M	18.76	-2.1	16.66	≤ 21.00
5230		19.27	-2.1	17.17	≤ 21.00

Transmit power control Measurement

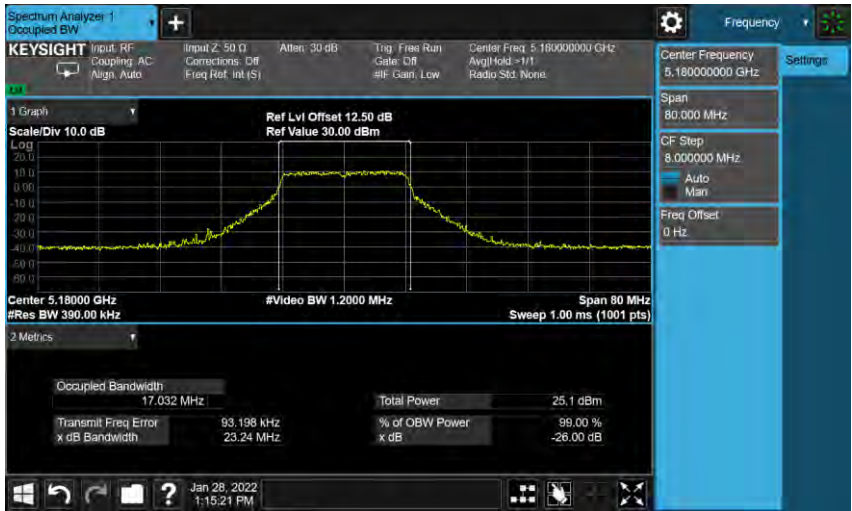
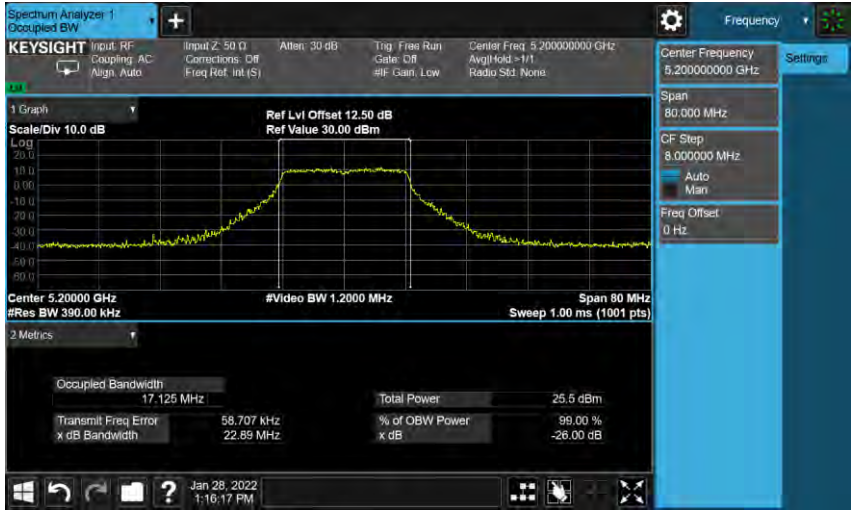
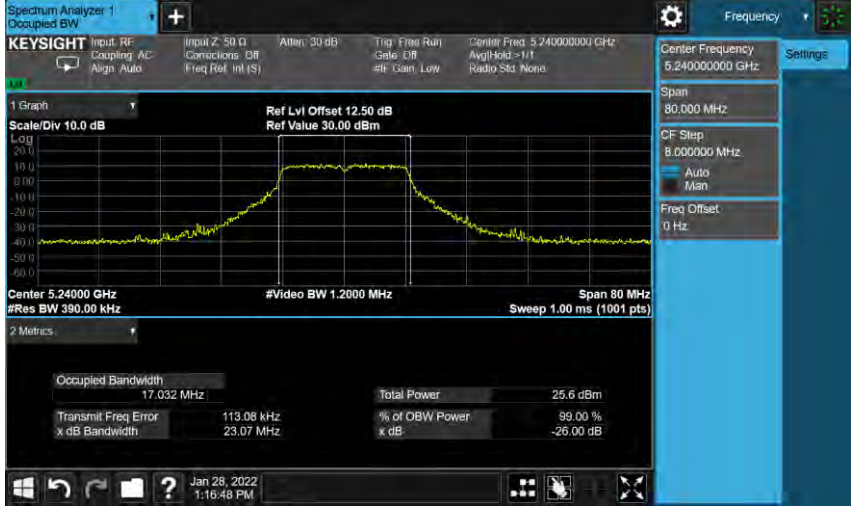
Test Mode	Data Rate	Frequency (MHz)	ANT-0+1				E.I.R.P. Limit (dBm)
			Max. Outup Power	Max. Gain	E.I.R.P.		
			(dBm)	(dBi)	(dBm)	(W)	
Mode 2	6 M	5260	16.77	7.00	23.77	0.238	≤ 24.00
		5280	16.68	7.00	23.68	0.233	≤ 24.00
		5300	16.63	7.00	23.63	0.230	≤ 24.00
		5320	14.12	7.00	21.12	0.129	≤ 24.00
		5500	17.92	6.00	23.92	0.246	≤ 24.00
		5520	17.70	6.00	23.70	0.234	≤ 24.00
		5540	17.70	6.00	23.70	0.235	≤ 24.00
		5560	17.76	6.00	23.76	0.238	≤ 24.00
		5580	17.67	6.00	23.67	0.233	≤ 24.00
		5600	17.64	6.00	23.64	0.231	≤ 24.00
		5620	17.67	6.00	23.67	0.233	≤ 24.00
		5640	17.69	6.00	23.69	0.234	≤ 24.00
		5660	17.69	6.00	23.69	0.234	≤ 24.00
		5680	17.66	6.00	23.66	0.232	≤ 24.00
		5700	17.72	6.00	23.72	0.236	≤ 24.00
Mode 3	13 M	5260	16.65	7.00	23.65	0.232	≤ 24.00
		5280	16.73	7.00	23.73	0.236	≤ 24.00
		5300	16.67	7.00	23.67	0.233	≤ 24.00
		5320	16.94	7.00	23.94	0.248	≤ 24.00
		5500	17.96	6.00	23.96	0.249	≤ 24.00
		5520	17.68	6.00	23.68	0.233	≤ 24.00
		5540	17.65	6.00	23.65	0.232	≤ 24.00
		5560	17.73	6.00	23.73	0.236	≤ 24.00
		5580	17.68	6.00	23.68	0.233	≤ 24.00
		5600	17.68	6.00	23.68	0.233	≤ 24.00
		5620	17.70	6.00	23.70	0.235	≤ 24.00
		5640	17.68	6.00	23.68	0.233	≤ 24.00
		5660	17.66	6.00	23.66	0.232	≤ 24.00
		5680	17.68	6.00	23.68	0.234	≤ 24.00
		5700	17.51	6.00	23.51	0.225	≤ 24.00
Mode 4	27 M	5270	16.93	7.00	23.93	0.247	≤ 24.00
		5310	13.82	7.00	20.82	0.121	≤ 24.00
		5510	17.78	6.00	23.78	0.239	≤ 24.00
		5550	17.72	6.00	23.72	0.236	≤ 24.00
		5590	17.65	6.00	23.65	0.232	≤ 24.00
		5630	17.59	6.00	23.59	0.229	≤ 24.00
		5670	17.62	6.00	23.62	0.230	≤ 24.00

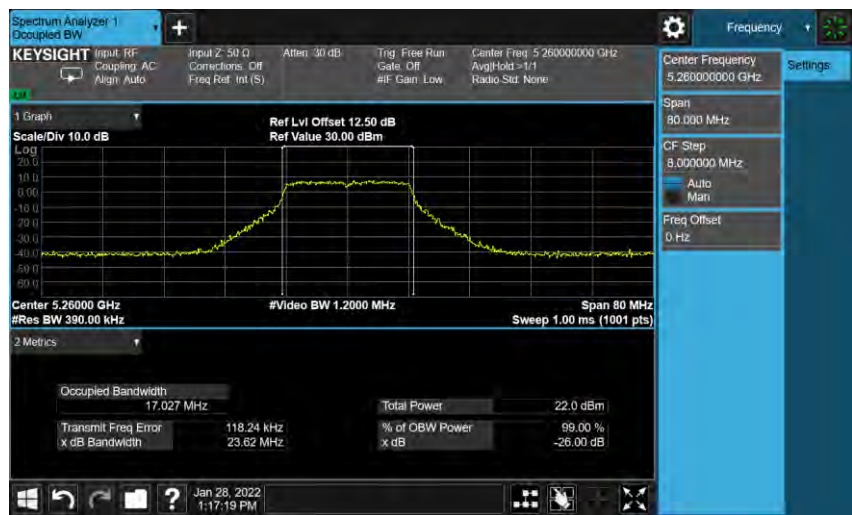
Note: The relevant measured result has the offset with cable loss already.

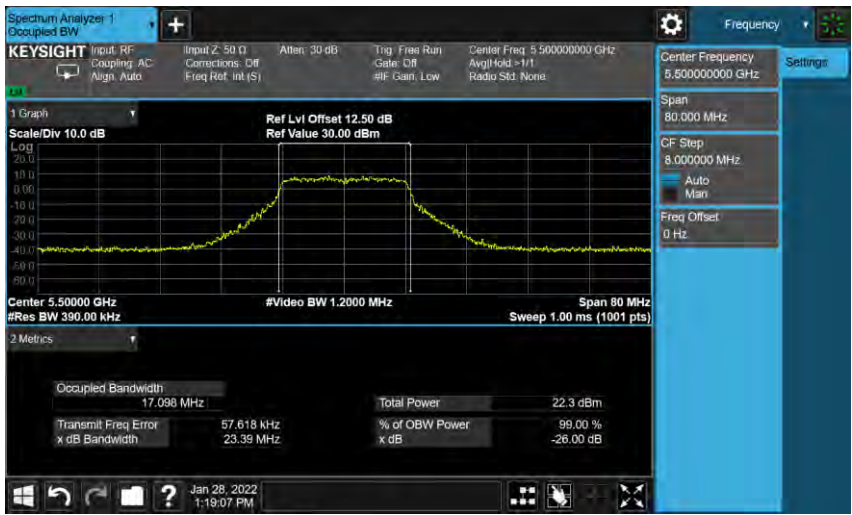
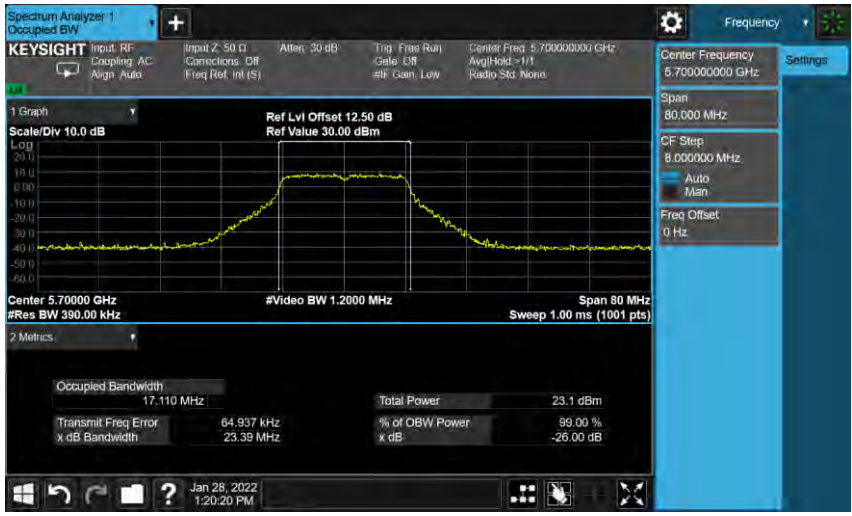
26 dB RF Bandwidth

Test Mode	Frequency (MHz)	ANT-0	ANT-1
		Measurement Results (MHz)	
Mode 2	5180	23.240	22.010
	5200	22.890	21.670
	5240	23.070	22.480
	5260	23.620	21.860
	5280	22.660	22.240
	5320	23.650	21.750
	5500	23.390	21.350
	5560	23.700	21.890
	5700	23.390	21.890
Mode 3	5180	24.460	21.830
	5200	23.670	22.590
	5240	24.190	23.330
	5260	24.490	23.310
	5280	23.810	22.630
	5320	23.970	22.370
	5500	23.940	22.860
	5560	23.750	22.580
	5700	23.080	22.800
Mode 4	5190	46.950	44.370
	5230	47.250	45.110
	5270	47.390	45.550
	5310	47.480	44.780
	5510	47.910	45.020
	5550	49.520	45.840
	5670	48.020	45.920

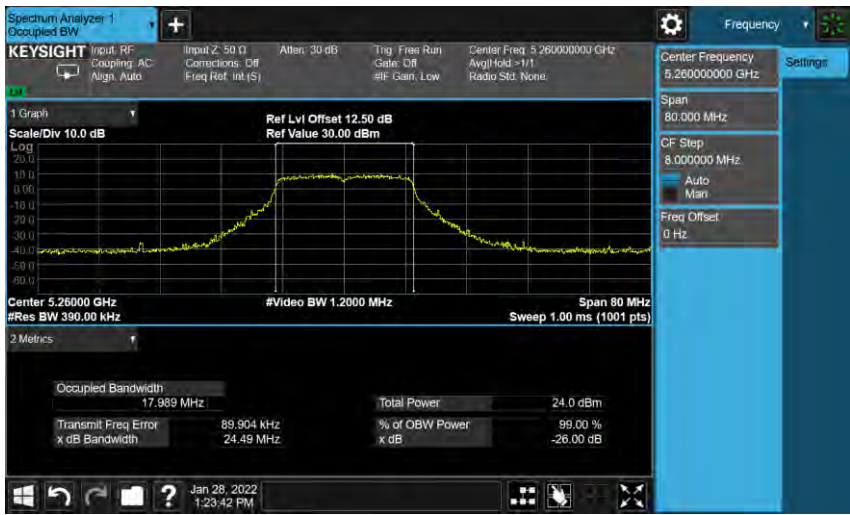
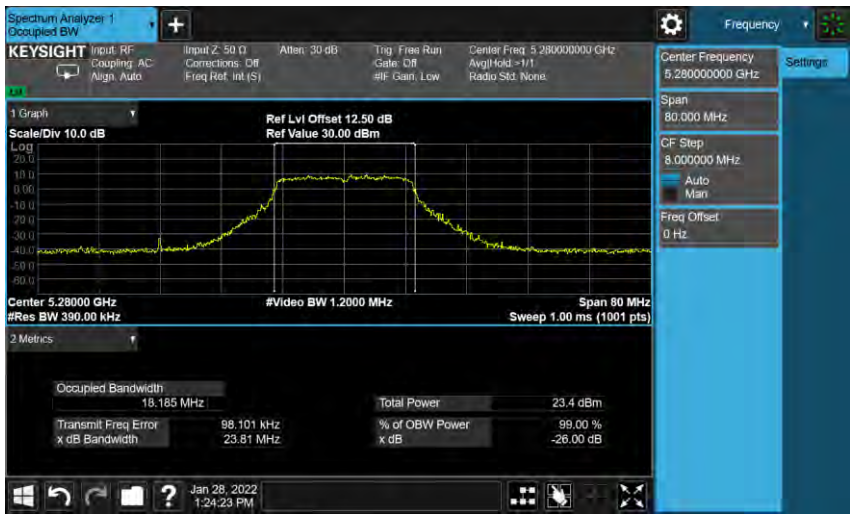
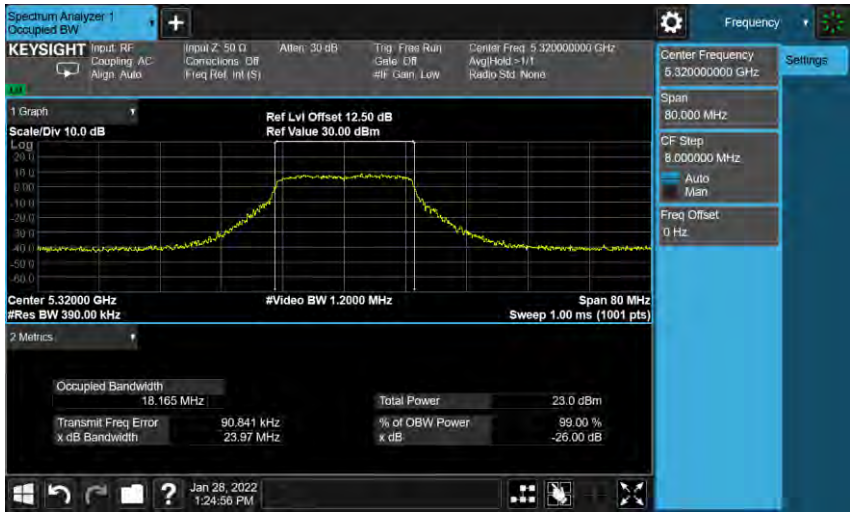
■ Test Graphs

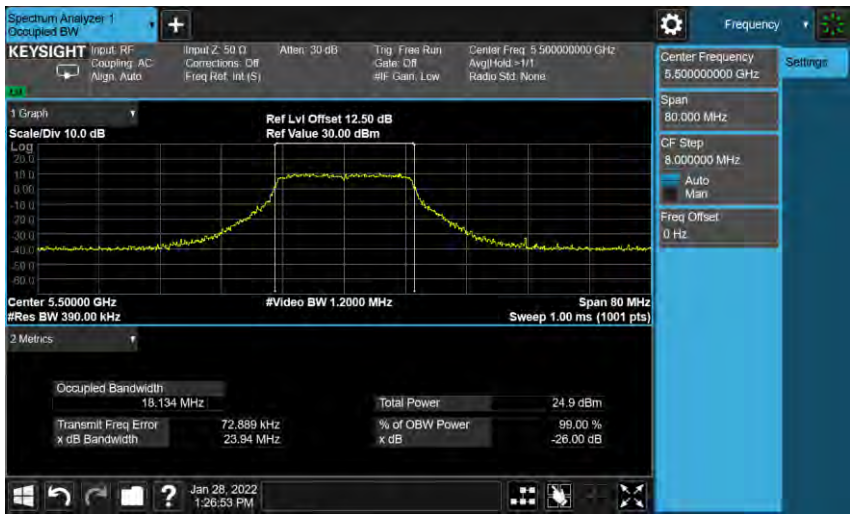
Mode 2: IEEE 802.11a Continuous TX mode_ANT-0	
5180 MHz	 Center 5.18000 GHz #Res BW 390.00 kHz #Video BW 1.2000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth: 17.032 MHz Total Power: 25.1 dBm Transmit Freq Error: 93.198 kHz % of OBW Power: 99.00 % x dB Bandwidth: 23.24 MHz x dB: -26.00 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: 17.125 MHz Total Power: 25.5 dBm Transmit Freq Error: 58.707 kHz % of OBW Power: 99.00 % x dB Bandwidth: 22.89 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: 17.032 MHz Total Power: 25.6 dBm Transmit Freq Error: 113.06 kHz % of OBW Power: 99.00 % x dB Bandwidth: 23.07 MHz x dB: -26.00 dB

Mode 2: IEEE 802.11a Continuous TX mode_ANT-0													
5260 MHz	 Keysight Spectrum Analyzer 1: Occupied BW Center Frequency: 5.26000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Scale/Div: 10.0 dB Ref Lvl Offset: 12.50 dB Ref Value: 30.00 dBm Center: 5.26000 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>17.027 MHz</td><td>Total Power</td><td>22.0 dBm</td></tr><tr><td>Transmit Freq Error</td><td>118.24 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>23.62 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Jan 28, 2022 1:17:19 PM	Occupied Bandwidth	17.027 MHz	Total Power	22.0 dBm	Transmit Freq Error	118.24 kHz	% of OBW Power	99.00 %	x dB Bandwidth	23.62 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.027 MHz	Total Power	22.0 dBm										
Transmit Freq Error	118.24 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	23.62 MHz	x dB	-26.00 dB										
5280 MHz	 Keysight Spectrum Analyzer 1: Occupied BW Center Frequency: 5.28000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Scale/Div: 10.0 dB Ref Lvl Offset: 12.50 dB Ref Value: 30.00 dBm Center: 5.28000 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>17.032 MHz</td><td>Total Power</td><td>22.6 dBm</td></tr><tr><td>Transmit Freq Error</td><td>81.495 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>22.66 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Jan 28, 2022 1:17:51 PM	Occupied Bandwidth	17.032 MHz	Total Power	22.6 dBm	Transmit Freq Error	81.495 kHz	% of OBW Power	99.00 %	x dB Bandwidth	22.66 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.032 MHz	Total Power	22.6 dBm										
Transmit Freq Error	81.495 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	22.66 MHz	x dB	-26.00 dB										
5320 MHz	 Keysight Spectrum Analyzer 1: Occupied BW Center Frequency: 5.32000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Scale/Div: 10.0 dB Ref Lvl Offset: 12.50 dB Ref Value: 30.00 dBm Center: 5.32000 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>17.154 MHz</td><td>Total Power</td><td>17.1 dBm</td></tr><tr><td>Transmit Freq Error</td><td>109.69 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>23.65 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Jan 28, 2022 1:18:32 PM	Occupied Bandwidth	17.154 MHz	Total Power	17.1 dBm	Transmit Freq Error	109.69 kHz	% of OBW Power	99.00 %	x dB Bandwidth	23.65 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.154 MHz	Total Power	17.1 dBm										
Transmit Freq Error	109.69 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	23.65 MHz	x dB	-26.00 dB										

Mode 2: IEEE 802.11a 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 settings include: Center Frequency 5,500,000,000 GHz, Span 80.000 MHz, CF Step 8.000,000 MHz, Auto Man, Freq Offset 0 Hz. The metrics show: Occupied Bandwidth 17.098 MHz, Total Power 22.3 dBm, Transmit Freq Error 57.618 kHz, % of OBW Power 99.00 %, x dB Bandwidth 23.39 MHz, x dB -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 settings include: Center Frequency 5,560,000,000 GHz, Span 80.000 MHz, CF Step 8.000,000 MHz, Auto Man, Freq Offset 0 Hz. The metrics show: Occupied Bandwidth 17.228 MHz, Total Power 22.2 dBm, Transmit Freq Error 33.209 kHz, % of OBW Power 99.00 %, x dB Bandwidth 23.70 MHz, x dB -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 settings include: Center Frequency 5,700,000,000 GHz, Span 80.000 MHz, CF Step 8.000,000 MHz, Auto Man, Freq Offset 0 Hz. The metrics show: Occupied Bandwidth 17.110 MHz, Total Power 23.1 dBm, Transmit Freq Error 64.937 kHz, % of OBW Power 99.00 %, x dB Bandwidth 23.39 MHz, x dB -26.00 dB.

Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-0	
5180 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5180 MHz. The display shows a signal with a peak at 5180 MHz. The settings are: Center Frequency 5.18000000 GHz, Span 80.000 MHz, CF Step 8.000000 MHz, Freq Offset 0 Hz. The metrics show: Occupied Bandwidth 18.129 MHz, Total Power 26.9 dBm, Transmit Freq Error 105.00 kHz, x dB Bandwidth 24.46 MHz, % of OBW Power 99.00 %, x dB -26.00 dB.
5200 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5200 MHz. The display shows a signal with a peak at 5200 MHz. The settings are: Center Frequency 5.20000000 GHz, Span 80.000 MHz, CF Step 8.000000 MHz, Freq Offset 0 Hz. The metrics show: Occupied Bandwidth 18.149 MHz, Total Power 24.4 dBm, Transmit Freq Error 105.12 kHz, x dB Bandwidth 23.67 MHz, % of OBW Power 99.00 %, x dB -26.00 dB.
5240 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5240 MHz. The display shows a signal with a peak at 5240 MHz. The settings are: Center Frequency 5.24000000 GHz, Span 80.000 MHz, CF Step 8.000000 MHz, Freq Offset 0 Hz. The metrics show: Occupied Bandwidth 18.121 MHz, Total Power 24.1 dBm, Transmit Freq Error 142.81 kHz, x dB Bandwidth 24.19 MHz, % of OBW Power 99.00 %, x dB -26.00 dB.

Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-0	
5260 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5260 MHz. The display includes a frequency plot with a peak at 5260 MHz, a scale of 10.0 dB, and a video bandwidth of 1.2000 MHz. The metrics section shows an occupied bandwidth of 17.989 MHz, total power of 24.0 dBm, and a transmit frequency error of 89.904 kHz.
5280 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5280 MHz. The display includes a frequency plot with a peak at 5280 MHz, a scale of 10.0 dB, and a video bandwidth of 1.2000 MHz. The metrics section shows an occupied bandwidth of 18.185 MHz, total power of 23.4 dBm, and a transmit frequency error of 98.101 kHz.
5320 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5320 MHz. The display includes a frequency plot with a peak at 5320 MHz, a scale of 10.0 dB, and a video bandwidth of 1.2000 MHz. The metrics section shows an occupied bandwidth of 18.165 MHz, total power of 23.0 dBm, and a transmit frequency error of 90.841 kHz.

Mode 3: IEEE 802.11n 5 GHz 20 MHz 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 18.134 MHz Total Power 24.9 dBm Transmit Freq Error 72.889 kHz % of OBW Power 99.00 % x dB Bandwidth 23.94 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 18.155 MHz Total Power 20.9 dBm Transmit Freq Error 82.057 kHz % of OBW Power 99.00 % x dB Bandwidth 23.75 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 18.045 MHz Total Power 20.5 dBm Transmit Freq Error 26.196 kHz % of OBW Power 99.00 % x dB Bandwidth 23.08 MHz x dB -26.00 dB

Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-0

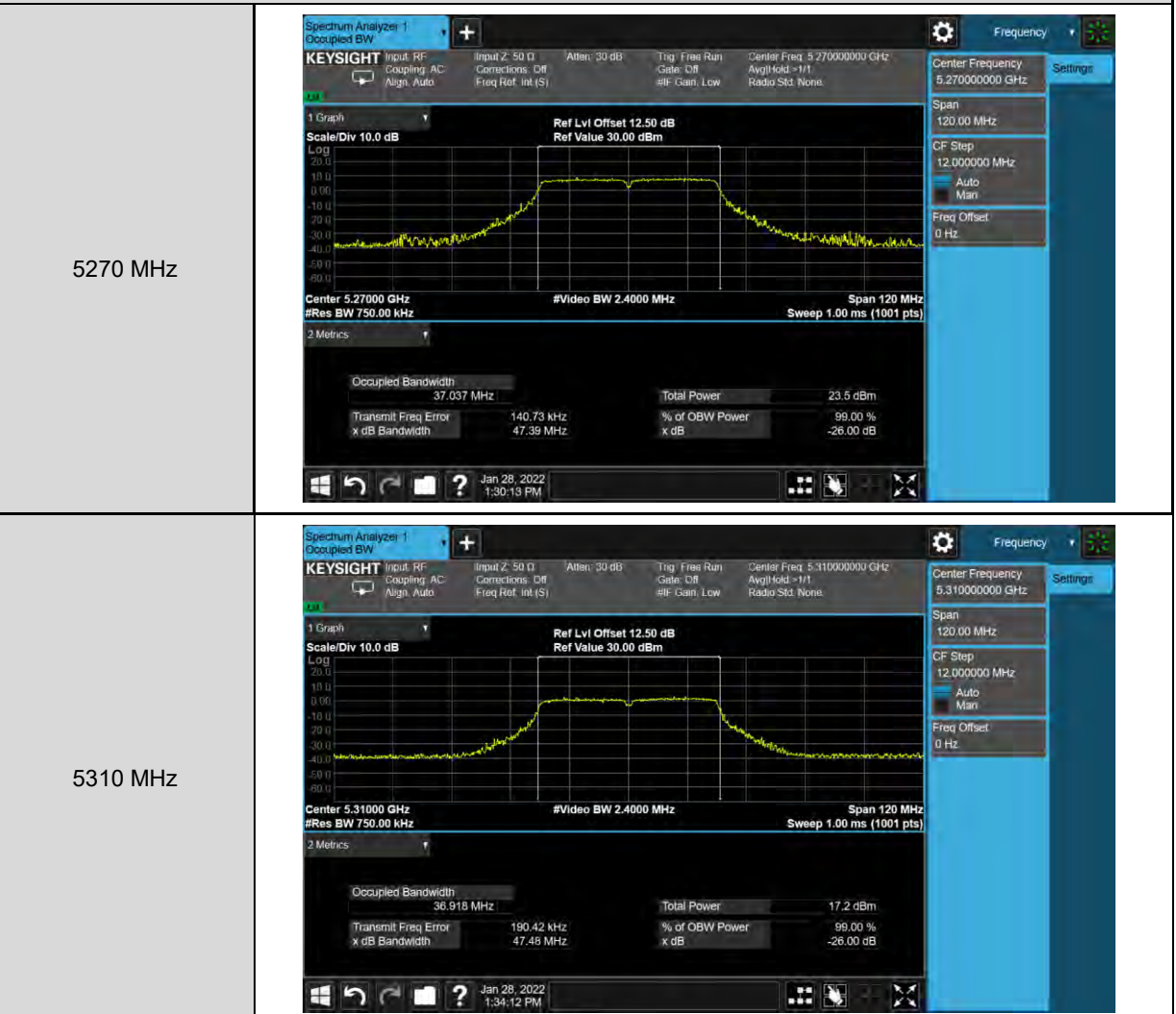
5190 MHz



5230 MHz

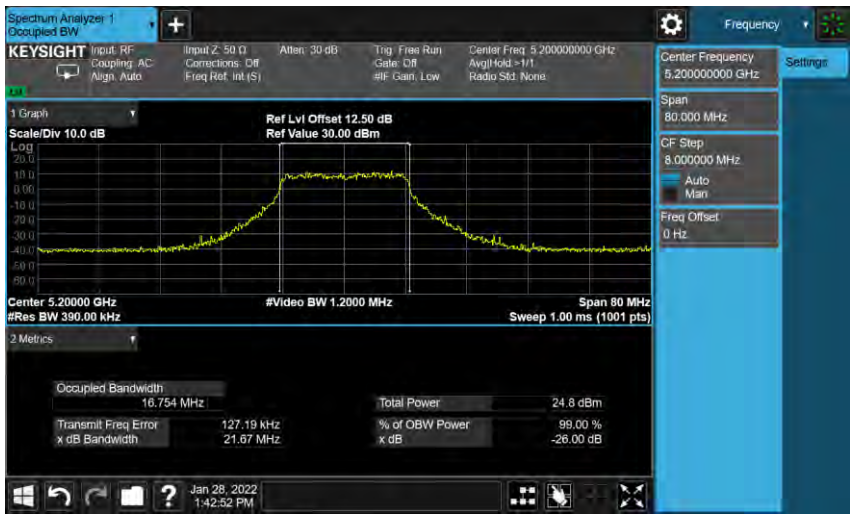


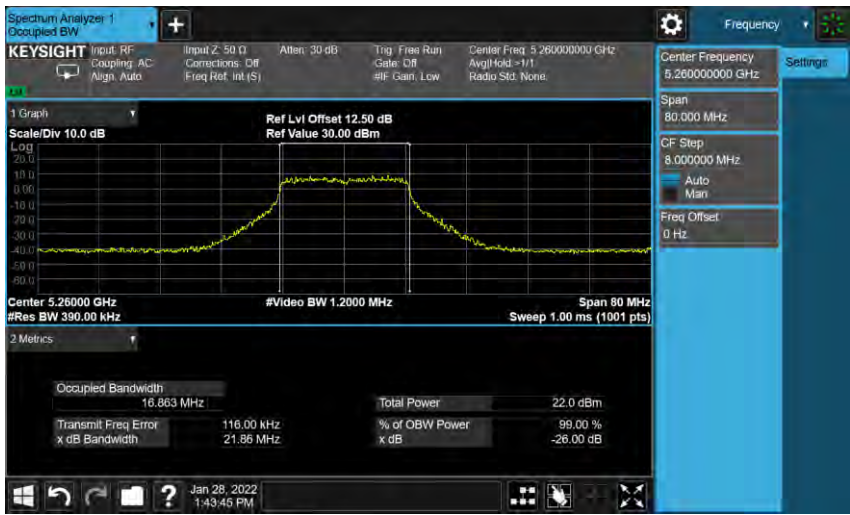
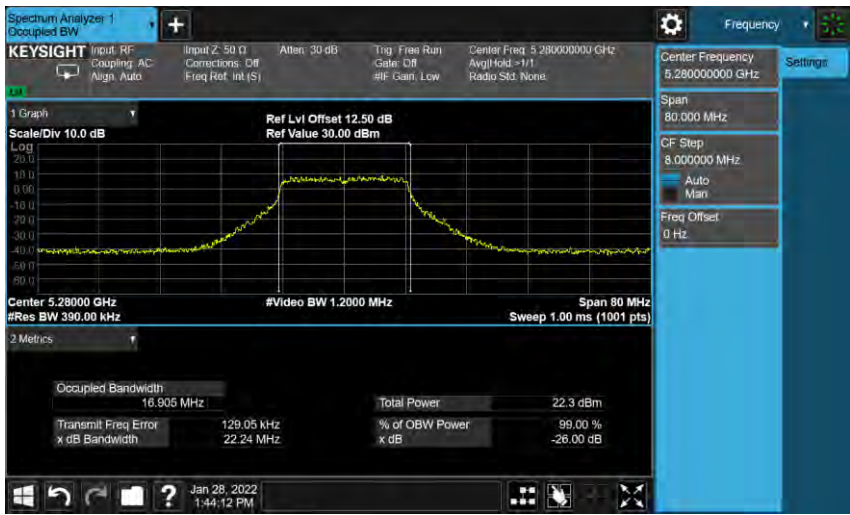
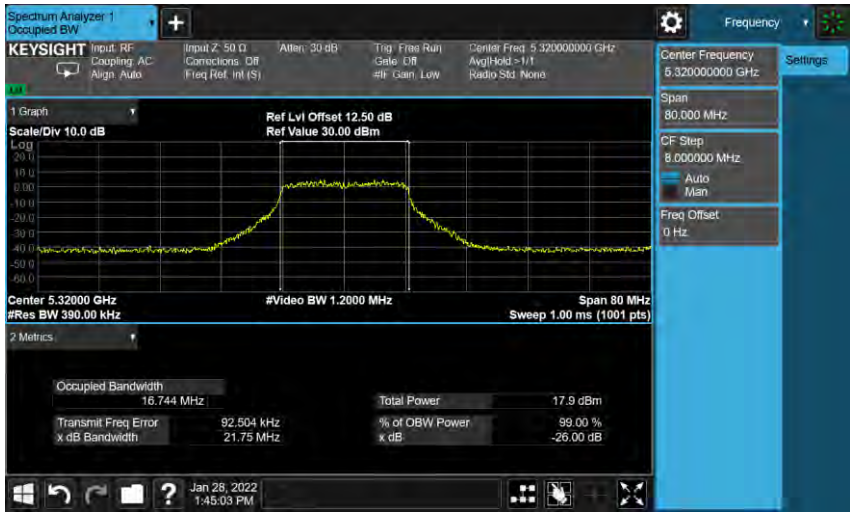
Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-0

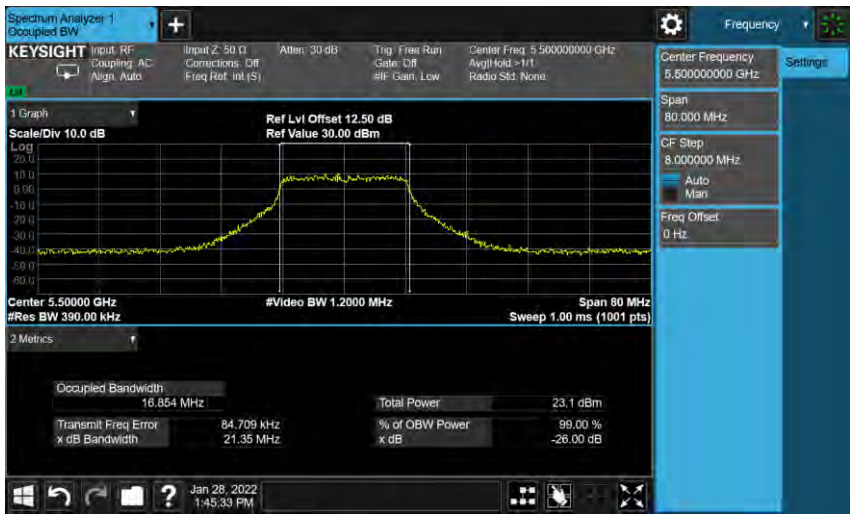
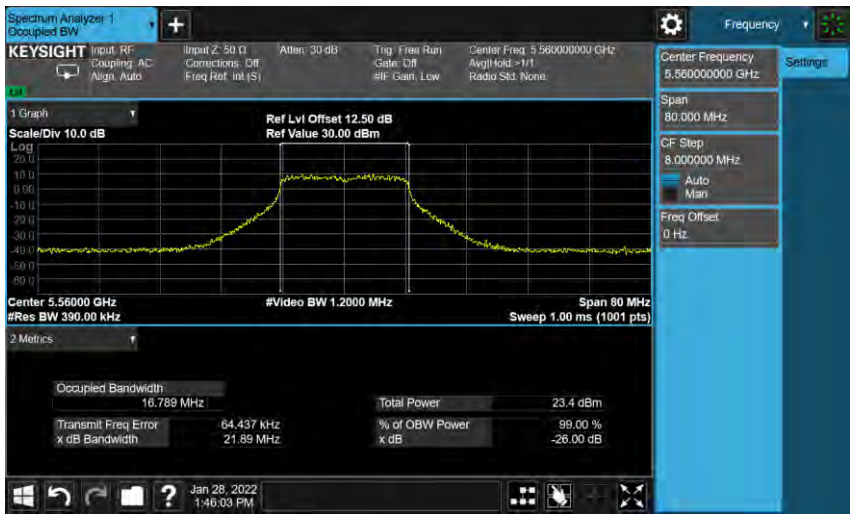


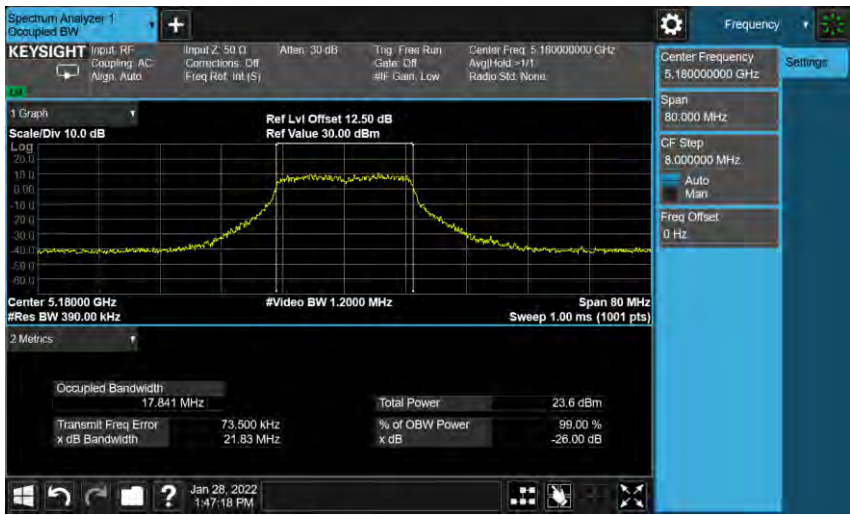
Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-0

5510 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5510 MHz. The display includes a graph with a yellow trace, a settings panel on the right, and a metrics panel at the bottom. The metrics panel shows: Occupied Bandwidth: 36.950 MHz, Total Power: 21.4 dBm, Transmit Freq Error: 92.301 kHz, x dB Bandwidth: 47.91 MHz, % of OBW Power: 99.00 %, and x dB: -26.00 dB. The center frequency is 5.510000 GHz, span is 120 MHz, and resolution bandwidth is 750.00 kHz.
5550 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5550 MHz. The display includes a graph with a yellow trace, a settings panel on the right, and a metrics panel at the bottom. The metrics panel shows: Occupied Bandwidth: 36.948 MHz, Total Power: 24.9 dBm, Transmit Freq Error: -35.674 kHz, x dB Bandwidth: 49.52 MHz, % of OBW Power: 99.00 %, and x dB: -26.00 dB. The center frequency is 5.550000 GHz, span is 120 MHz, and resolution bandwidth is 750.00 kHz.
5670 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5670 MHz. The display includes a graph with a yellow trace, a settings panel on the right, and a metrics panel at the bottom. The metrics panel shows: Occupied Bandwidth: 37.003 MHz, Total Power: 20.8 dBm, Transmit Freq Error: -5.864 kHz, x dB Bandwidth: 48.02 MHz, % of OBW Power: 99.00 %, and x dB: -26.00 dB. The center frequency is 5.670000 GHz, span is 120 MHz, and resolution bandwidth is 750.00 kHz.

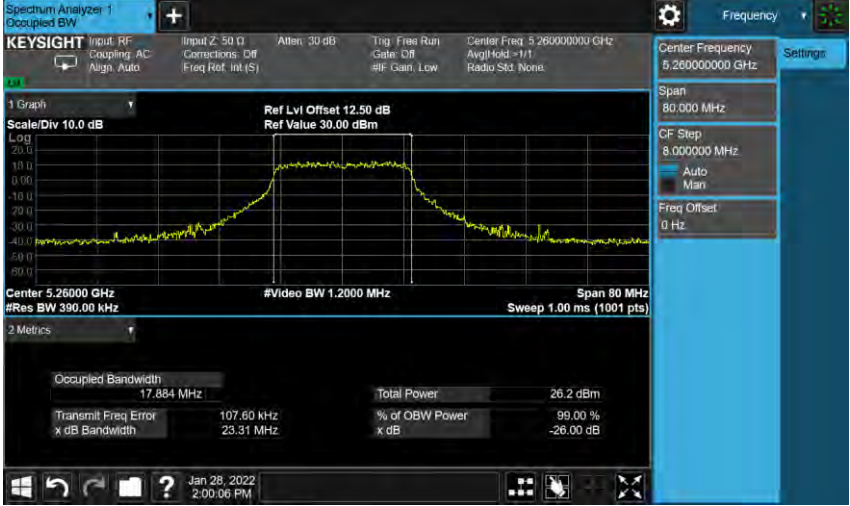
Mode 2: IEEE 802.11a Continuous TX mode_ANT-1																									
5180 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5180 MHz. The display includes a graph with a peak at 5180 MHz, a settings panel on the right, and a metrics panel at the bottom. <table border="1"> <thead> <tr> <th>Parameter</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Center Frequency</td> <td>5.18000000 GHz</td> </tr> <tr> <td>Span</td> <td>80.000 MHz</td> </tr> <tr> <td>CF Step</td> <td>8.000000 MHz</td> </tr> <tr> <td>Auto Man</td> <td>Auto</td> </tr> <tr> <td>Freq Offset</td> <td>0 Hz</td> </tr> <tr> <td>Occupied Bandwidth</td> <td>16.847 MHz</td> </tr> <tr> <td>Total Power</td> <td>24.3 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>135.79 kHz</td> </tr> <tr> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>22.01 MHz</td> </tr> <tr> <td>x dB</td> <td>-26.00 dB</td> </tr> </tbody> </table>	Parameter	Value	Center Frequency	5.18000000 GHz	Span	80.000 MHz	CF Step	8.000000 MHz	Auto Man	Auto	Freq Offset	0 Hz	Occupied Bandwidth	16.847 MHz	Total Power	24.3 dBm	Transmit Freq Error	135.79 kHz	% of OBW Power	99.00 %	x dB Bandwidth	22.01 MHz	x dB	-26.00 dB
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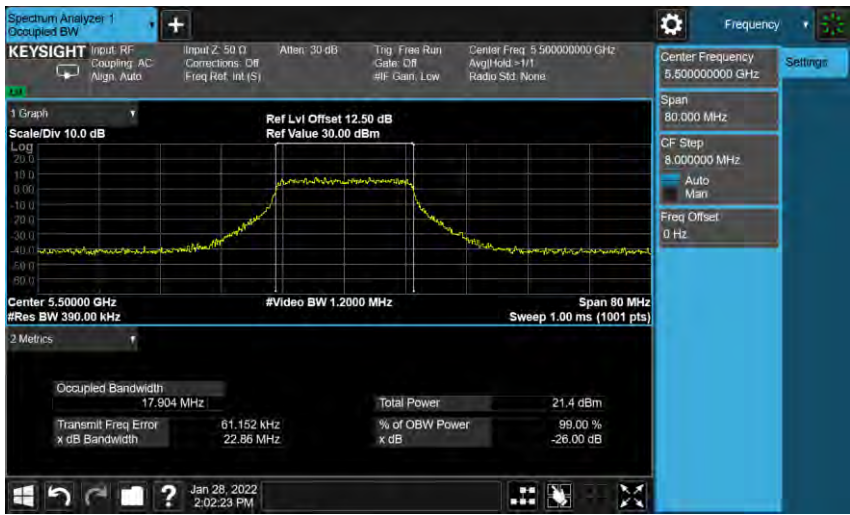
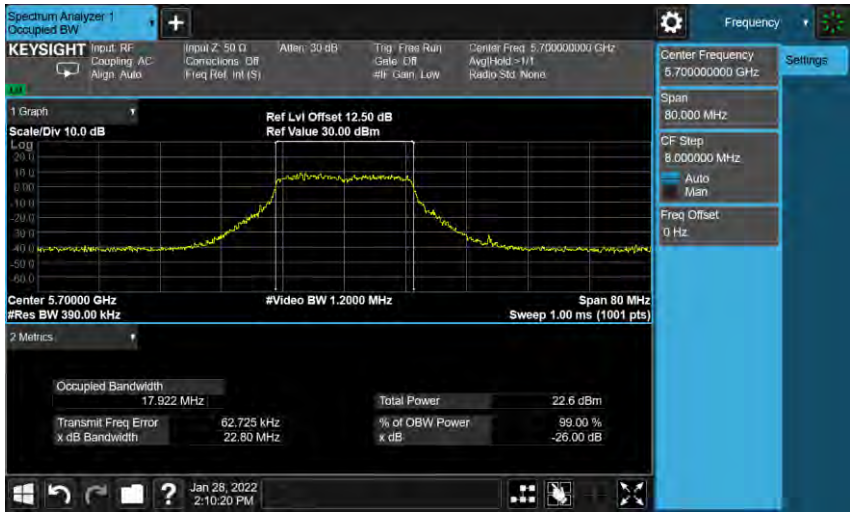
Mode 2: IEEE 802.11a Continuous TX mode_ANT-1	
5260 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5260 MHz. The graph displays a signal with a peak at 5260 MHz. The settings are: Center Frequency 5.26000000 GHz, Span 80.000 MHz, CF Step 8.000000 MHz, Freq Offset 0 Hz. The metrics show: Occupied Bandwidth 16.863 MHz, Total Power 22.0 dBm, Transmit Freq Error 116.00 kHz, and x dB Bandwidth 21.86 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 settings are: Center Frequency 5.28000000 GHz, Span 80.000 MHz, CF Step 8.000000 MHz, Freq Offset 0 Hz. The metrics show: Occupied Bandwidth 16.905 MHz, Total Power 22.3 dBm, Transmit Freq Error 129.05 kHz, and x dB Bandwidth 22.24 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 settings are: Center Frequency 5.32000000 GHz, Span 80.000 MHz, CF Step 8.000000 MHz, Freq Offset 0 Hz. The metrics show: Occupied Bandwidth 16.744 MHz, Total Power 17.9 dBm, Transmit Freq Error 92.504 kHz, and x dB Bandwidth 21.75 MHz.

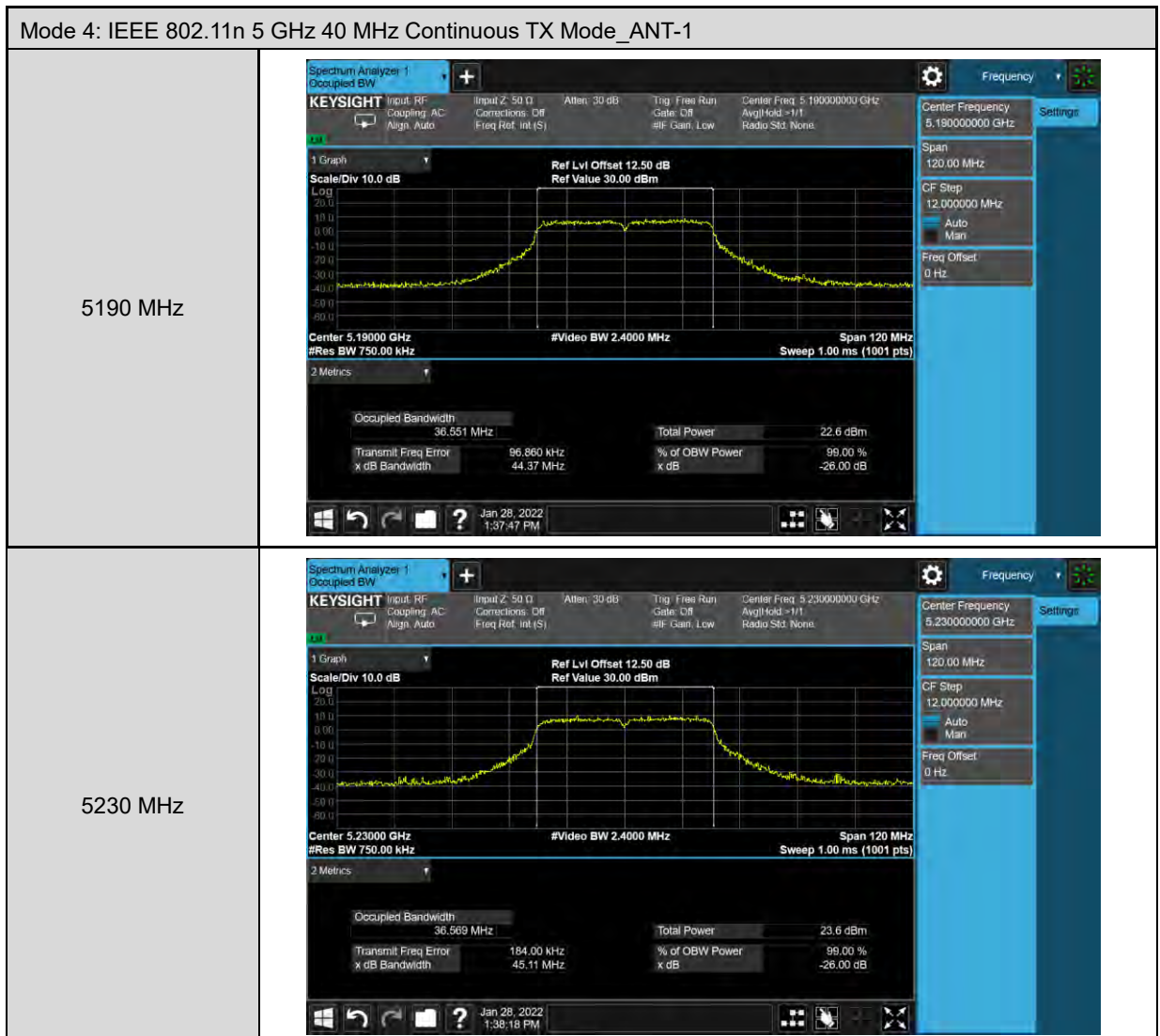
Mode 2: IEEE 802.11a Continuous TX mode_ANT-1	
5500 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5500.000 GHz. The graph displays a signal with a peak at 5500 MHz. The settings include: Center Frequency 5,500,000,000 GHz, Span 80.000 MHz, CF Step 8.000,000 MHz, Auto Man, Freq Offset 0 Hz. The metrics show: Occupied Bandwidth 16.854 MHz, Total Power 23.1 dBm, Transmit Freq Error 84.709 kHz, % of OBW Power 99.00 %, x dB Bandwidth 21.35 MHz, x dB -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 MHz. The settings include: Center Frequency 5,560,000,000 GHz, Span 80.000 MHz, CF Step 8.000,000 MHz, Auto Man, Freq Offset 0 Hz. The metrics show: Occupied Bandwidth 16.789 MHz, Total Power 23.4 dBm, Transmit Freq Error 64.437 kHz, % of OBW Power 99.00 %, x dB Bandwidth 21.89 MHz, x dB -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 MHz. The settings include: Center Frequency 5,700,000,000 GHz, Span 80.000 MHz, CF Step 8.000,000 MHz, Auto Man, Freq Offset 0 Hz. The metrics show: Occupied Bandwidth 16.787 MHz, Total Power 24.0 dBm, Transmit Freq Error 48.919 kHz, % of OBW Power 99.00 %, x dB Bandwidth 21.89 MHz, x dB -26.00 dB.

Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-1																																	
5180 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5180 MHz. The display includes a graph with a peak at 5180 MHz, a settings panel on the right, and a metrics panel at the bottom. <table border="1"> <thead> <tr> <th>Parameter</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Center Frequency</td> <td>5.18000000 GHz</td> </tr> <tr> <td>Span</td> <td>80.000 MHz</td> </tr> <tr> <td>CF Step</td> <td>8.000000 MHz</td> </tr> <tr> <td>Freq Offset</td> <td>0 Hz</td> </tr> <tr> <td>Ref Lvl Offset</td> <td>12.50 dB</td> </tr> <tr> <td>Ref Value</td> <td>30.00 dBm</td> </tr> <tr> <td>Video BW</td> <td>1.2000 MHz</td> </tr> <tr> <td>Span</td> <td>80 MHz</td> </tr> <tr> <td>Sweep</td> <td>1.00 ms (1001 pts)</td> </tr> <tr> <td>Occupied Bandwidth</td> <td>17.841 MHz</td> </tr> <tr> <td>Total Power</td> <td>23.6 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>73.500 kHz</td> </tr> <tr> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>21.83 MHz</td> </tr> <tr> <td>x dB</td> <td>-26.00 dB</td> </tr> </tbody> </table>	Parameter	Value	Center Frequency	5.18000000 GHz	Span	80.000 MHz	CF Step	8.000000 MHz	Freq Offset	0 Hz	Ref Lvl Offset	12.50 dB	Ref Value	30.00 dBm	Video BW	1.2000 MHz	Span	80 MHz	Sweep	1.00 ms (1001 pts)	Occupied Bandwidth	17.841 MHz	Total Power	23.6 dBm	Transmit Freq Error	73.500 kHz	% of OBW Power	99.00 %	x dB Bandwidth	21.83 MHz	x dB	-26.00 dB
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Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-1

5260 MHz	 Center Frequency: 5.26000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz FREQ Offset: 0 Hz Occupied Bandwidth: 17.884 MHz Total Power: 26.2 dBm Transmit Freq Error: 107.60 KHz % of OBW Power: 99.00 % x dB Bandwidth: 23.31 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: 17.870 MHz Total Power: 23.8 dBm Transmit Freq Error: 47.782 KHz % of OBW Power: 99.00 % x dB Bandwidth: 22.63 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: 17.905 MHz Total Power: 23.3 dBm Transmit Freq Error: 101.42 KHz % of OBW Power: 99.00 % x dB Bandwidth: 22.37 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 settings include: Center Frequency 5,500,000,000 GHz, Span 80.000 MHz, CF Step 8.000,000 MHz, Freq Offset 0 Hz, Ref Lvl Offset 12.50 dB, Ref Value 30.00 dBm, #Video BW 1.2000 MHz, #Res BW 390.00 kHz, Sweep 1.00 ms (1001 pts). The metrics show: Occupied Bandwidth 17.904 MHz, Total Power 21.4 dBm, Transmit Freq Error 61.152 kHz, % of OBW Power 99.00 %, x dB Bandwidth 22.86 MHz, x dB -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 settings include: Center Frequency 5,560,000,000 GHz, Span 80.000 MHz, CF Step 8.000,000 MHz, Freq Offset 0 Hz, Ref Lvl Offset 12.50 dB, Ref Value 30.00 dBm, #Video BW 1.2000 MHz, #Res BW 390.00 kHz, Sweep 1.00 ms (1001 pts). The metrics show: Occupied Bandwidth 17.886 MHz, Total Power 26.2 dBm, Transmit Freq Error 57.259 kHz, % of OBW Power 99.00 %, x dB Bandwidth 22.58 MHz, x dB -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 settings include: Center Frequency 5,700,000,000 GHz, Span 80.000 MHz, CF Step 8.000,000 MHz, Freq Offset 0 Hz, Ref Lvl Offset 12.50 dB, Ref Value 30.00 dBm, #Video BW 1.2000 MHz, #Res BW 390.00 kHz, Sweep 1.00 ms (1001 pts). The metrics show: Occupied Bandwidth 17.922 MHz, Total Power 22.6 dBm, Transmit Freq Error 62.725 kHz, % of OBW Power 99.00 %, x dB Bandwidth 22.80 MHz, x dB -26.00 dB.



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

5270 MHz



5310 MHz



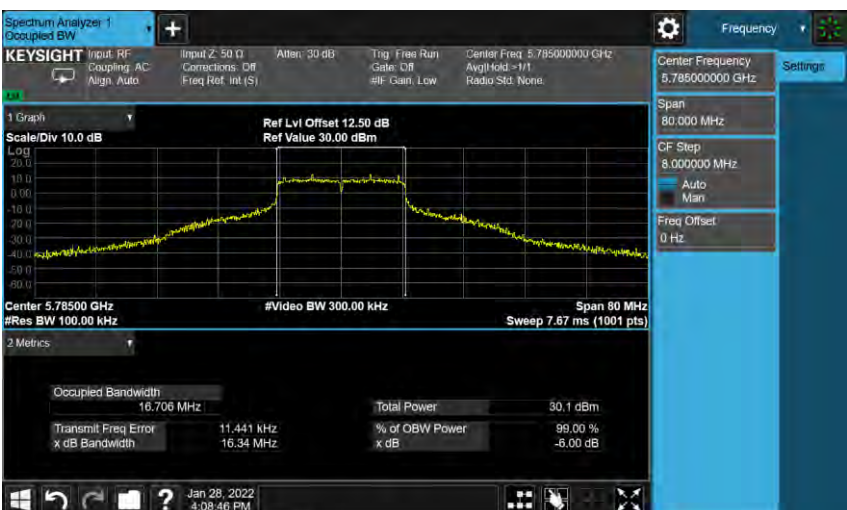
Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-1	
5510 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5510 MHz. The display includes a graph with a yellow trace, a settings panel on the right, and a metrics panel at the bottom. The metrics show an Occupied Bandwidth of 36.472 MHz, Total Power of 22.6 dBm, and a Transmit Freq Error of 108.88 kHz.
5550 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5550 MHz. The display includes a graph with a yellow trace, a settings panel on the right, and a metrics panel at the bottom. The metrics show an Occupied Bandwidth of 36.513 MHz, Total Power of 25.7 dBm, and a Transmit Freq Error of 103.43 kHz.
5670 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5670 MHz. The display includes a graph with a yellow trace, a settings panel on the right, and a metrics panel at the bottom. The metrics show an Occupied Bandwidth of 36.480 MHz, Total Power of 22.1 dBm, and a Transmit Freq Error of 6.270 kHz.

6 dB RF Bandwidth Measurement

Test Mode	Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
		Measurement Results (MHz)	Measurement Results (MHz)	
Mode 2	5745.0	16430	16350	≥ 500
	5785.0	16340	16340	≥ 500
	5825.0	16330	16410	≥ 500
Mode 3	5745.0	17000	16780	≥ 500
	5785.0	16690	17340	≥ 500
	5825.0	16750	17550	≥ 500
Mode 4	5755.0	36540	36070	≥ 500
	5795.0	35580	35630	≥ 500

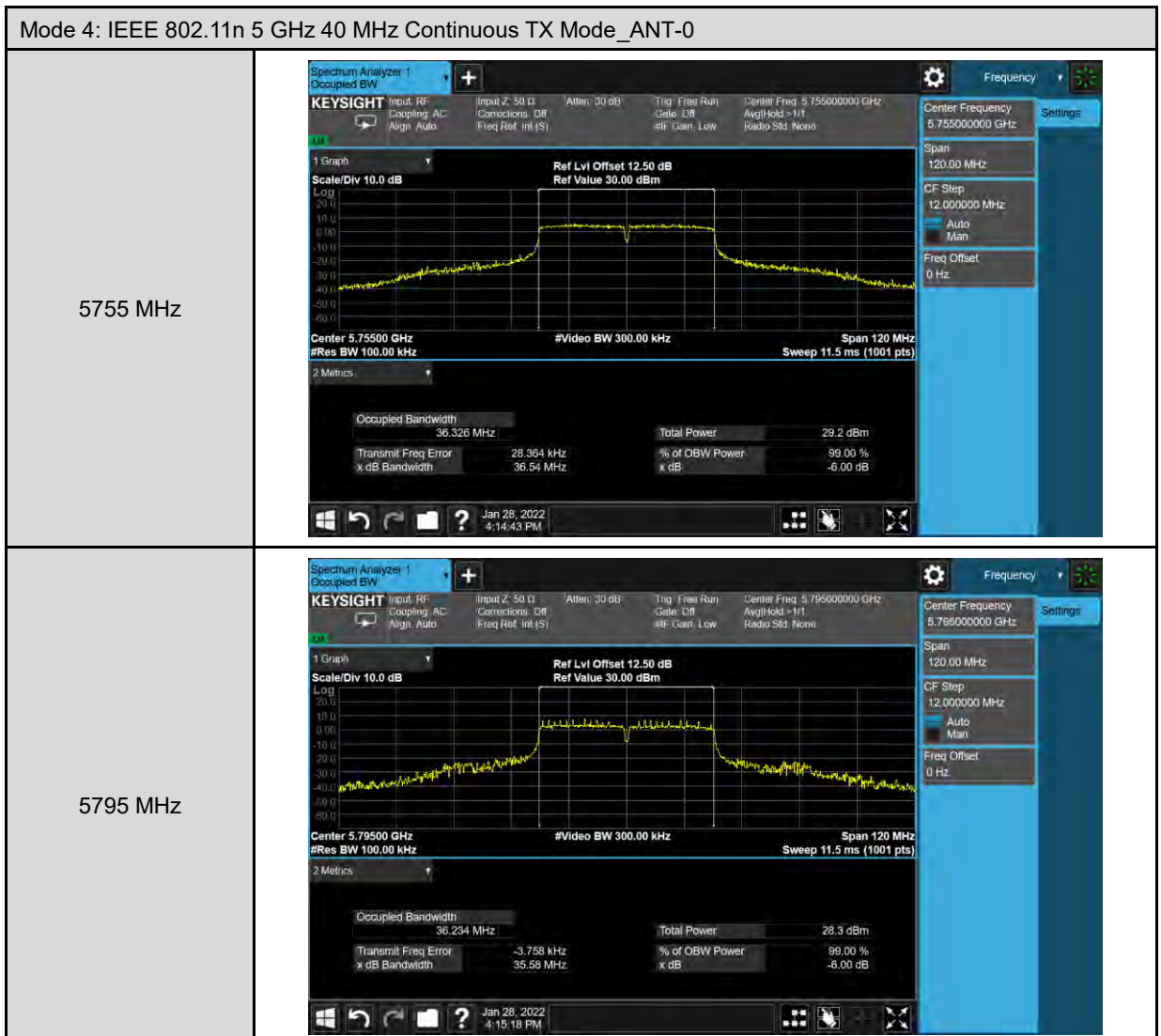
■ Test Graphs

Mode 2: IEEE 802.11a Continuous TX mode_ANT-0

5745 MHz	 Center Frequency: 5.745000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Center Frequency: 5.745000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 16.584 MHz Total Power: 29.7 dBm Transmit Freq Error: 29.342 kHz x dB Bandwidth: 16.43 MHz % of OBW Power: 99.00 % x dB: -6.00 dB
5785 MHz	 Center Frequency: 5.785000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Center Frequency: 5.785000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 16.706 MHz Total Power: 30.1 dBm Transmit Freq Error: 11.441 kHz x dB Bandwidth: 16.34 MHz % of OBW Power: 99.00 % x dB: -6.00 dB
5825 MHz	 Center Frequency: 5.825000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Center Frequency: 5.825000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 16.995 MHz Total Power: 30.3 dBm Transmit Freq Error: -58.992 kHz x dB Bandwidth: 16.33 MHz % of OBW Power: 99.00 % x dB: -6.00 dB

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

5745 MHz	 Center 5.74500 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 80 MHz Sweep 7.67 ms (1001 pts) <table><tr><td>Occupied Bandwidth</td><td>17.720 MHz</td><td>Total Power</td><td>29.6 dBm</td></tr><tr><td>Transmitt Freq Error</td><td>20.536 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>17.00 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table>	Occupied Bandwidth	17.720 MHz	Total Power	29.6 dBm	Transmitt Freq Error	20.536 kHz	% of OBW Power	99.00 %	x dB Bandwidth	17.00 MHz	x dB	-6.00 dB
Occupied Bandwidth	17.720 MHz	Total Power	29.6 dBm										
Transmitt Freq Error	20.536 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	17.00 MHz	x dB	-6.00 dB										
5785 MHz	 Center 5.78500 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 80 MHz Sweep 7.67 ms (1001 pts) <table><tr><td>Occupied Bandwidth</td><td>17.763 MHz</td><td>Total Power</td><td>30.0 dBm</td></tr><tr><td>Transmitt Freq Error</td><td>27.908 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>16.69 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table>	Occupied Bandwidth	17.763 MHz	Total Power	30.0 dBm	Transmitt Freq Error	27.908 kHz	% of OBW Power	99.00 %	x dB Bandwidth	16.69 MHz	x dB	-6.00 dB
Occupied Bandwidth	17.763 MHz	Total Power	30.0 dBm										
Transmitt Freq Error	27.908 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	16.69 MHz	x dB	-6.00 dB										
5825 MHz	 Center 5.82500 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 80 MHz Sweep 7.67 ms (1001 pts) <table><tr><td>Occupied Bandwidth</td><td>17.748 MHz</td><td>Total Power</td><td>29.8 dBm</td></tr><tr><td>Transmitt Freq Error</td><td>24.670 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>16.75 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table>	Occupied Bandwidth	17.748 MHz	Total Power	29.8 dBm	Transmitt Freq Error	24.670 kHz	% of OBW Power	99.00 %	x dB Bandwidth	16.75 MHz	x dB	-6.00 dB
Occupied Bandwidth	17.748 MHz	Total Power	29.8 dBm										
Transmitt Freq Error	24.670 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	16.75 MHz	x dB	-6.00 dB										



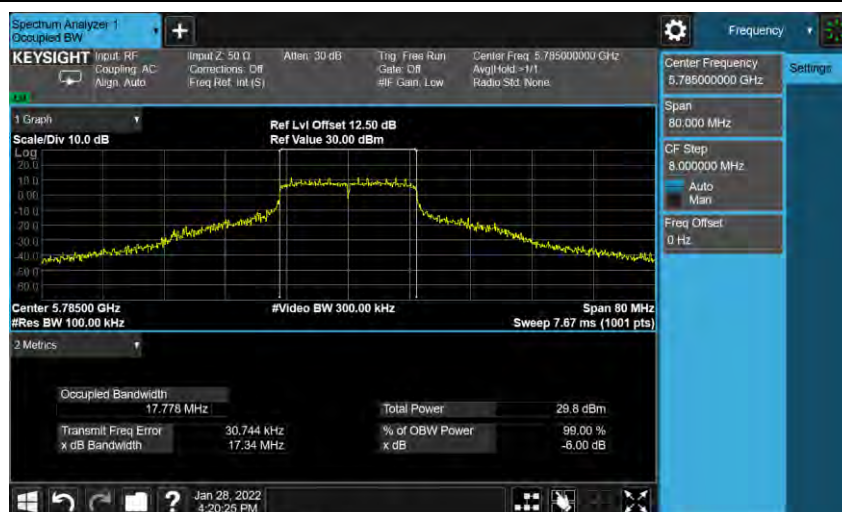
Mode 2: IEEE 802.11a Continuous TX mode_ANT-1	
5745 MHz	 Center Frequency: 5.745000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Center Frequency: 5.745000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 16.819 MHz Total Power: 30.6 dBm Transmitt Freq Error: 61.870 kHz % of OBW Power: 99.00 % x dB Bandwidth: 16.35 MHz x dB: -6.00 dB
5785 MHz	 Center Frequency: 5.785000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Center Frequency: 5.785000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 16.680 MHz Total Power: 29.8 dBm Transmitt Freq Error: 7.267 kHz % of OBW Power: 99.00 % x dB Bandwidth: 16.34 MHz x dB: -6.00 dB
5825 MHz	 Center Frequency: 5.825000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Center Frequency: 5.825000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 16.562 MHz Total Power: 29.7 dBm Transmitt Freq Error: 26.988 kHz % of OBW Power: 99.00 % x dB Bandwidth: 16.41 MHz x dB: -6.00 dB

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

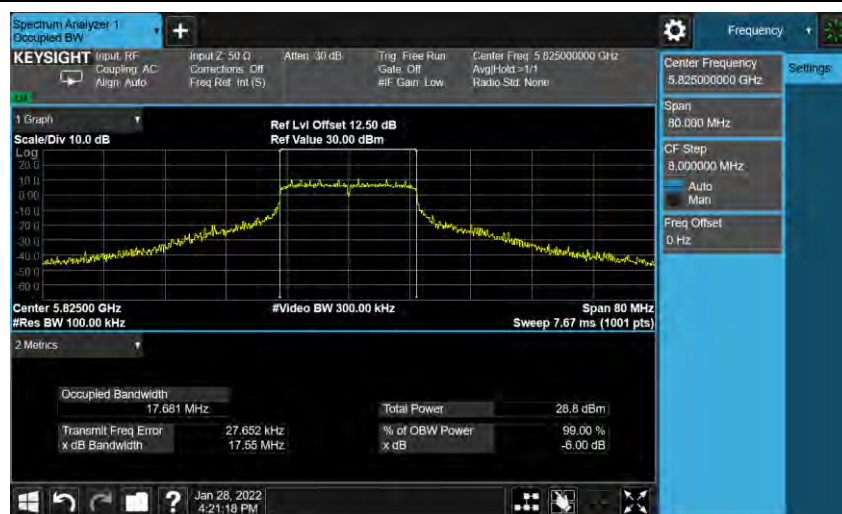
5745 MHz



5785 MHz



5825 MHz





Maximum Power Spectral Density Measurement

	Frequency (MHz)	ANT-0			ANT-1			Limit (dBm/MHz)
		Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	
Mode 2	5180.0	7.155	0.074	7.229	6.572	0.074	6.646	≤ 16.00
	5200.0	7.450	0.074	7.524	7.106	0.074	7.180	≤ 16.00
	5240.0	7.871	0.074	7.945	7.431	0.074	7.505	≤ 16.00
	5260.0	4.293	0.074	4.367	3.999	0.074	4.073	≤ 10.00
	5280.0	4.702	0.074	4.776	4.441	0.074	4.515	≤ 10.00
	5320.0	0.005	0.074	0.079	-0.777	0.074	-0.703	≤ 10.00
	5500.0	5.252	0.074	5.326	4.977	0.074	5.051	≤ 11.00
	5560.0	4.997	0.074	5.071	4.575	0.074	4.649	≤ 11.00
	5700.0	5.978	0.074	6.052	5.077	0.074	5.151	≤ 11.00

	Frequency (MHz)	ANT-0+1	Limit (dBm/MHz)
		(dBm/MHz)	
Mode 2	5180.0	9.958	≤ 16.00
	5200.0	10.366	≤ 16.00
	5240.0	10.741	≤ 16.00
	5260.0	7.233	≤ 10.00
	5280.0	7.658	≤ 10.00
	5320.0	2.716	≤ 10.00
	5500.0	8.201	≤ 11.00
	5560.0	7.875	≤ 11.00
	5700.0	8.635	≤ 11.00

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	5.435	0.074	12.499	3.237	0.074	10.301	≤ 30
	5785.0	2.761	0.074	9.825	2.666	0.074	9.730	≤ 30
	5825.0	2.761	0.074	9.825	1.809	0.074	8.873	≤ 30

Mode 2	Frequency (MHz)	ANT-0+1	Limit
		Calculated (dBm/500 kHz)	(dBm/500 kHz)
	5745.0	14.548	≤ 30
	5785.0	12.788	≤ 30
	5825.0	12.385	≤ 30

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

Conversion ratio = 10*Log(500 k/100 k)

	Frequency (MHz)	ANT-0			ANT-1			Limit (dBm/MHz)
		Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	
Mode 3	5180.0	6.002	0.157	6.159	5.294	0.157	5.451	≤ 16.00
	5200.0	6.594	0.157	6.751	5.718	0.157	5.875	≤ 16.00
	5240.0	5.906	0.157	6.063	5.732	0.157	5.889	≤ 16.00
	5260.0	5.716	0.157	5.873	5.622	0.157	5.779	≤ 10.00
	5280.0	5.229	0.157	5.386	5.165	0.157	5.322	≤ 10.00
	5320.0	4.791	0.157	4.948	4.680	0.157	4.837	≤ 10.00
	5500.0	3.061	0.157	3.218	2.813	0.157	2.970	≤ 11.00
	5560.0	3.500	0.157	3.657	3.246	0.157	3.403	≤ 11.00
	5700.0	4.161	0.157	4.318	3.296	0.157	3.453	≤ 11.00

	Frequency (MHz)	ANT-0+1	Limit (dBm/MHz)
		(dBm/MHz)	
Mode 3	5180.0	8.830	≤ 16.00
	5200.0	9.345	≤ 16.00
	5240.0	8.987	≤ 16.00
	5260.0	8.837	≤ 10.00
	5280.0	8.364	≤ 10.00
	5320.0	7.903	≤ 10.00
	5500.0	6.106	≤ 11.00
	5560.0	6.542	≤ 11.00
	5700.0	6.917	≤ 11.00

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

Mode 3	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	2.411	0.157	9.558	1.474	0.157	8.621	≤ 30
	5785.0	2.169	0.157	9.316	2.140	0.157	9.287	≤ 30
	5825.0	2.080	0.157	9.227	0.944	0.157	8.091	≤ 30

Mode 3	Frequency (MHz)	ANT-0+1	Limit
		Calculated (dBm/500 kHz)	(dBm/500 kHz)
	5745.0	12.125	≤ 30
	5785.0	12.312	≤ 30
	5825.0	11.706	≤ 30

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

Conversion ratio = 10*Log(500 k/100 k)

	Frequency (MHz)	ANT-0			ANT-1			Limit (dBm/MHz)
		Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	
Mode 4	5190.0	1.569	0.224	1.793	0.910	0.224	1.134	≤ 16.00
	5230.0	1.890	0.224	2.114	1.658	0.224	1.882	≤ 16.00
	5270.0	1.820	0.224	2.044	1.575	0.224	1.799	≤ 10.00
	5310.0	-3.562	0.224	-3.338	-3.789	0.224	-3.565	≤ 10.00
	5510.0	0.526	0.224	0.750	0.200	0.224	0.424	≤ 11.00
	5550.0	3.381	0.224	3.605	3.356	0.224	3.580	≤ 11.00
	5670.0	0.096	0.224	0.320	-0.140	0.224	0.084	≤ 11.00

	Frequency (MHz)	ANT-0+1	Limit (dBm/MHz)
		(dBm/MHz)	
Mode 4	5190.0	4.486	≤ 16.00
	5230.0	5.010	≤ 16.00
	5270.0	4.933	≤ 10.00
	5310.0	-0.440	≤ 10.00
	5510.0	3.600	≤ 11.00
	5550.0	6.603	≤ 11.00
	5670.0	3.214	≤ 11.00

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

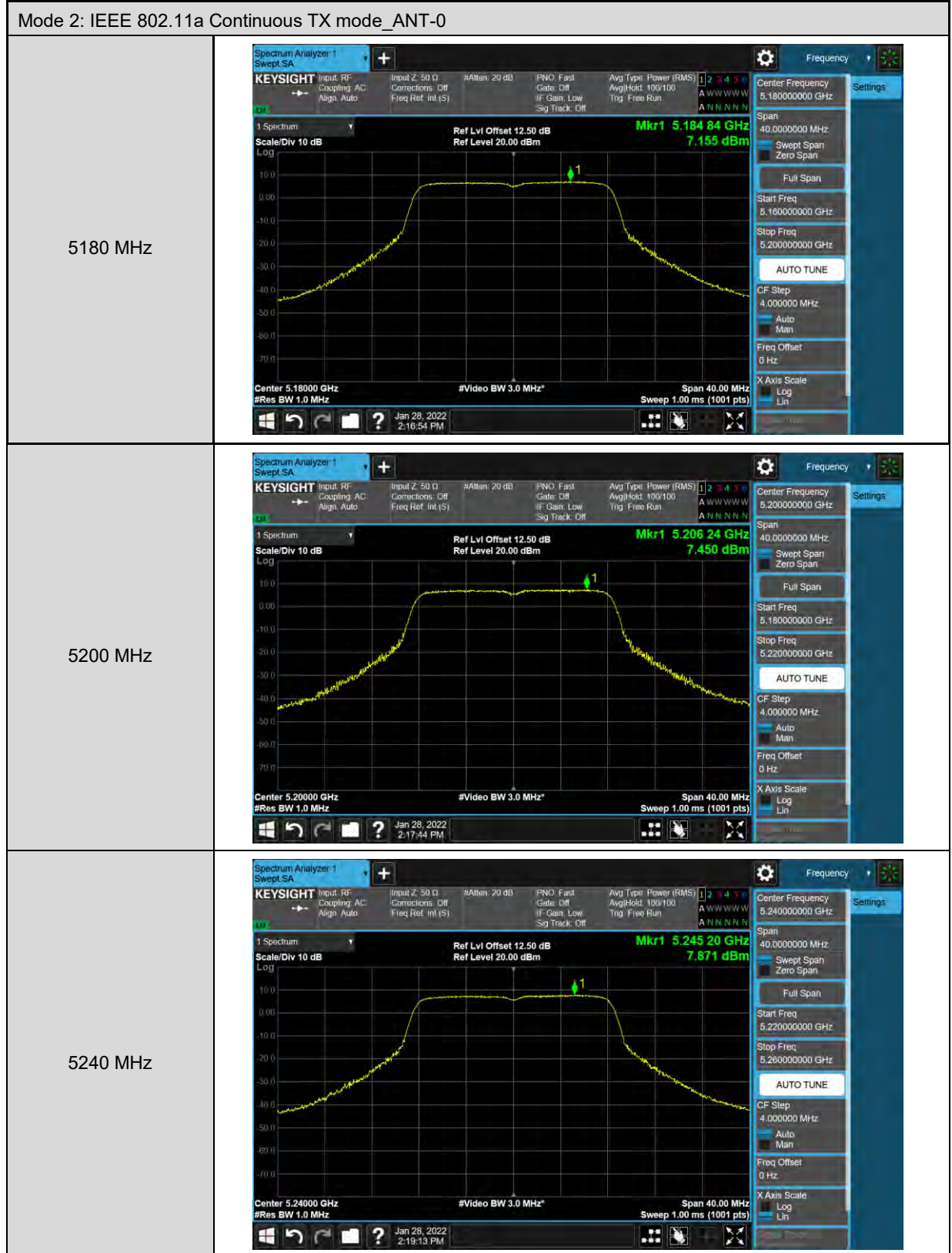
Mode 4	Frequency (MHz)	ANT-0			ANT-1			Limit (dBm/500 kHz)
		Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	
	5755.0	-2.254	0.224	4.959	-3.176	0.224	4.037	≤ 30
	5795.0	-1.626	0.224	5.587	-2.470	0.224	4.743	≤ 30

Mode 4	Frequency (MHz)	ANT-0+1	Limit
		Calculated (dBm/500 kHz)	(dBm/500 kHz)
	5755.0	7.533	≤ 30
	5795.0	8.196	≤ 30

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

Conversion ratio = 10*Log(500 k/100 k)

■ Test Graphs

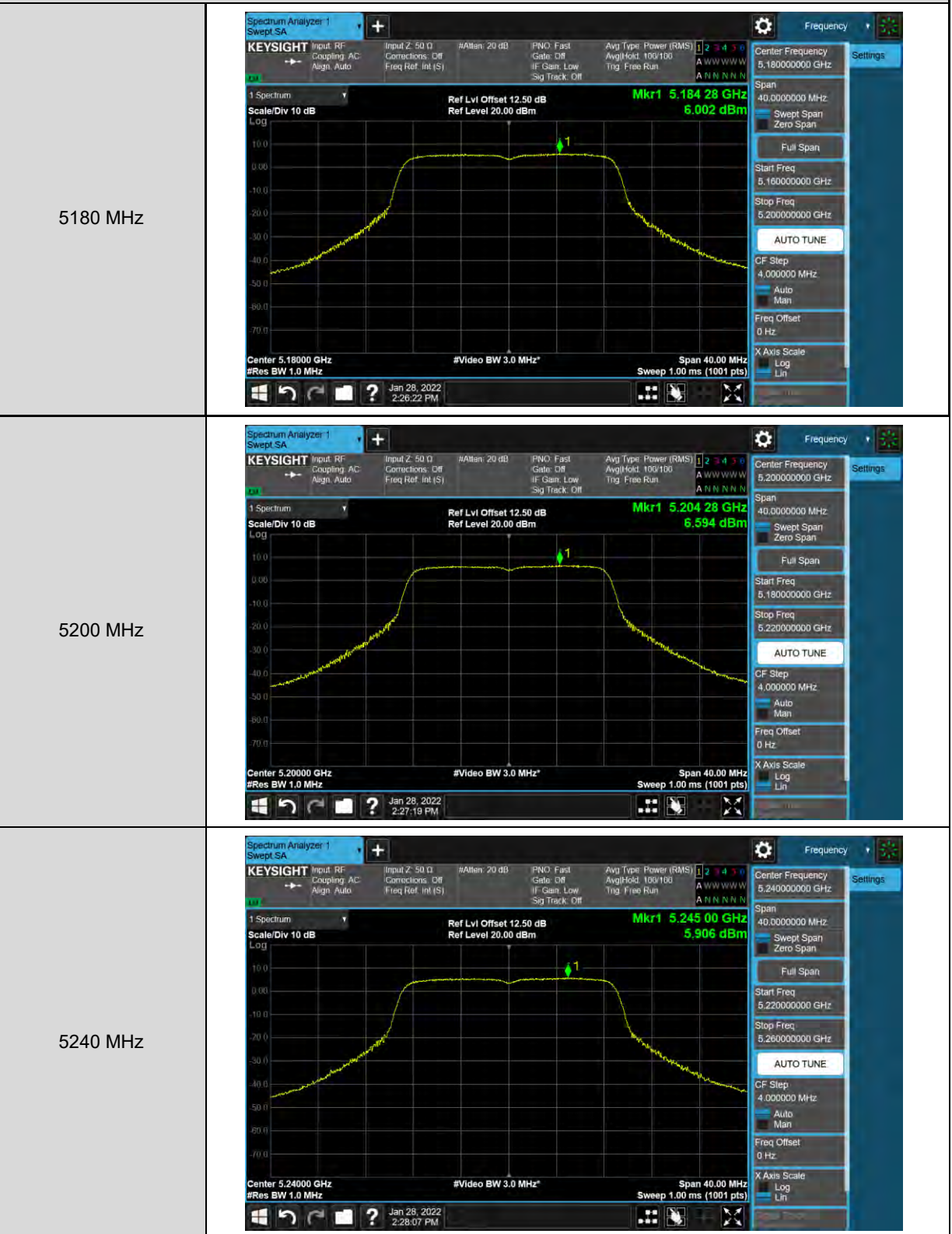


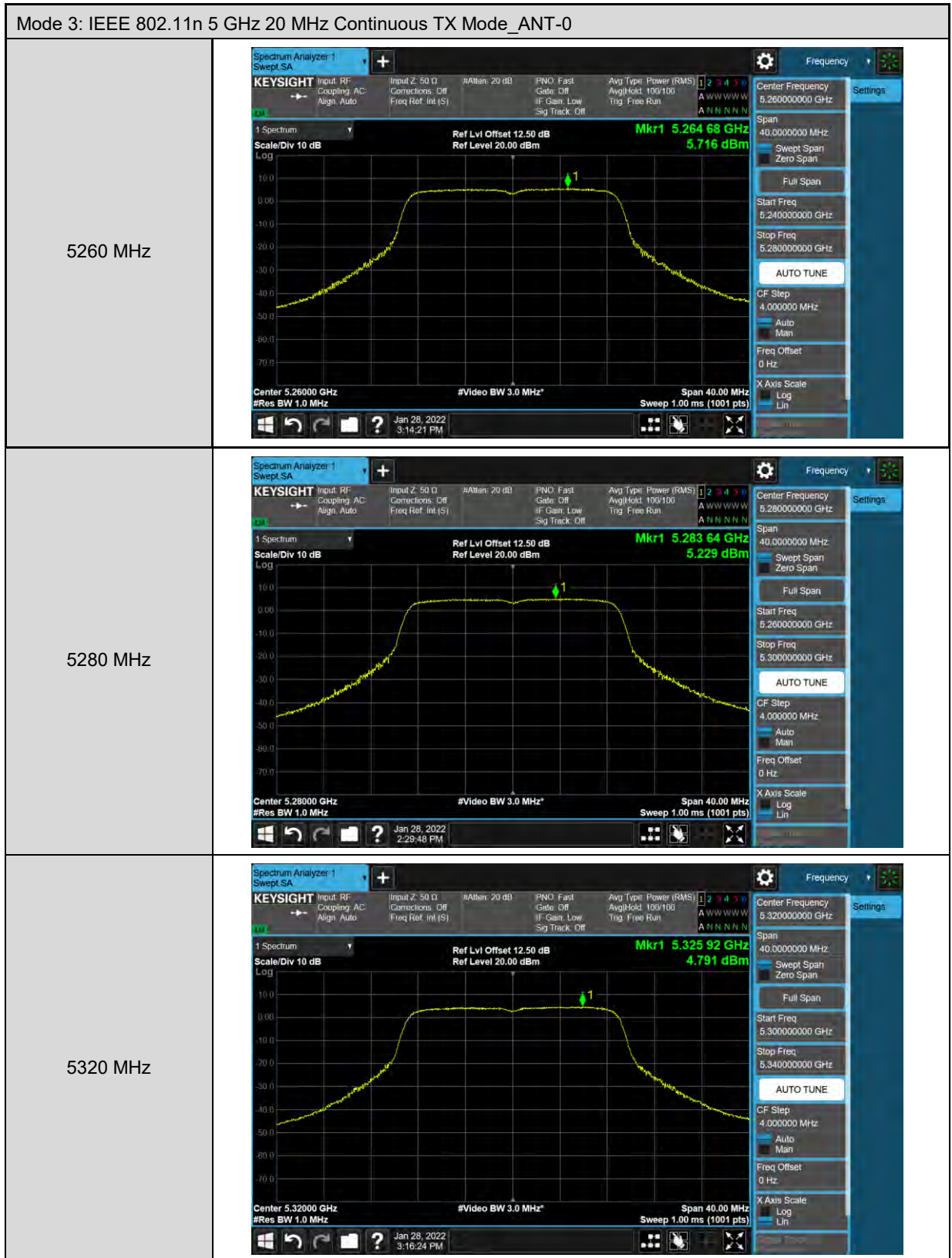






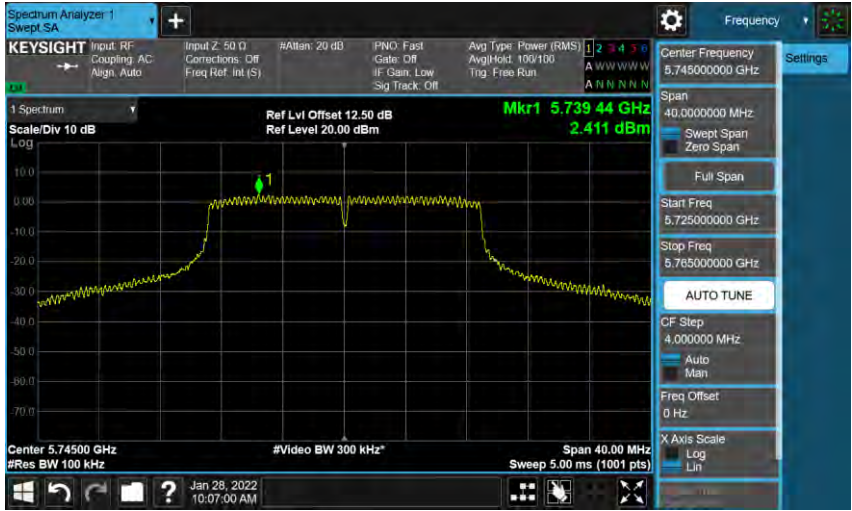
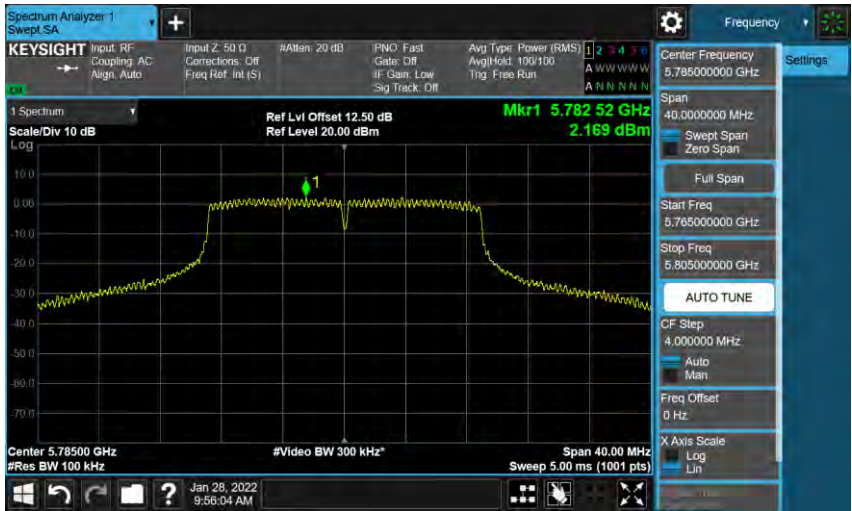
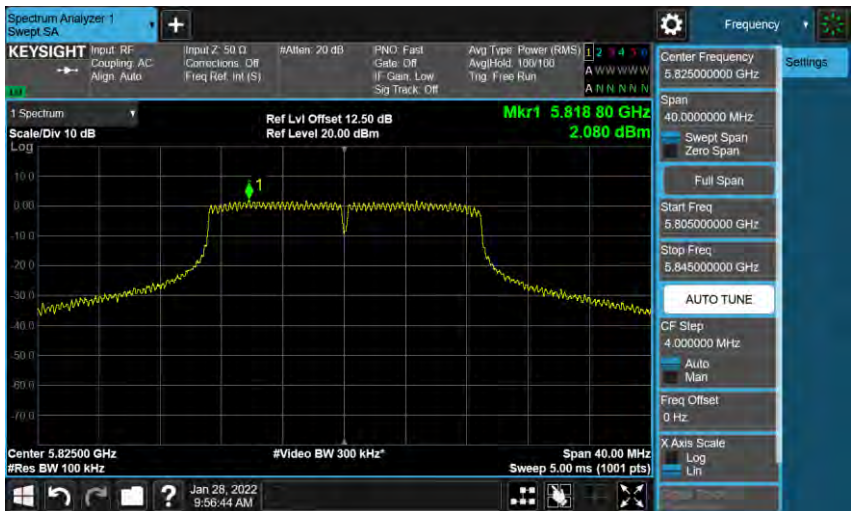
Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-0



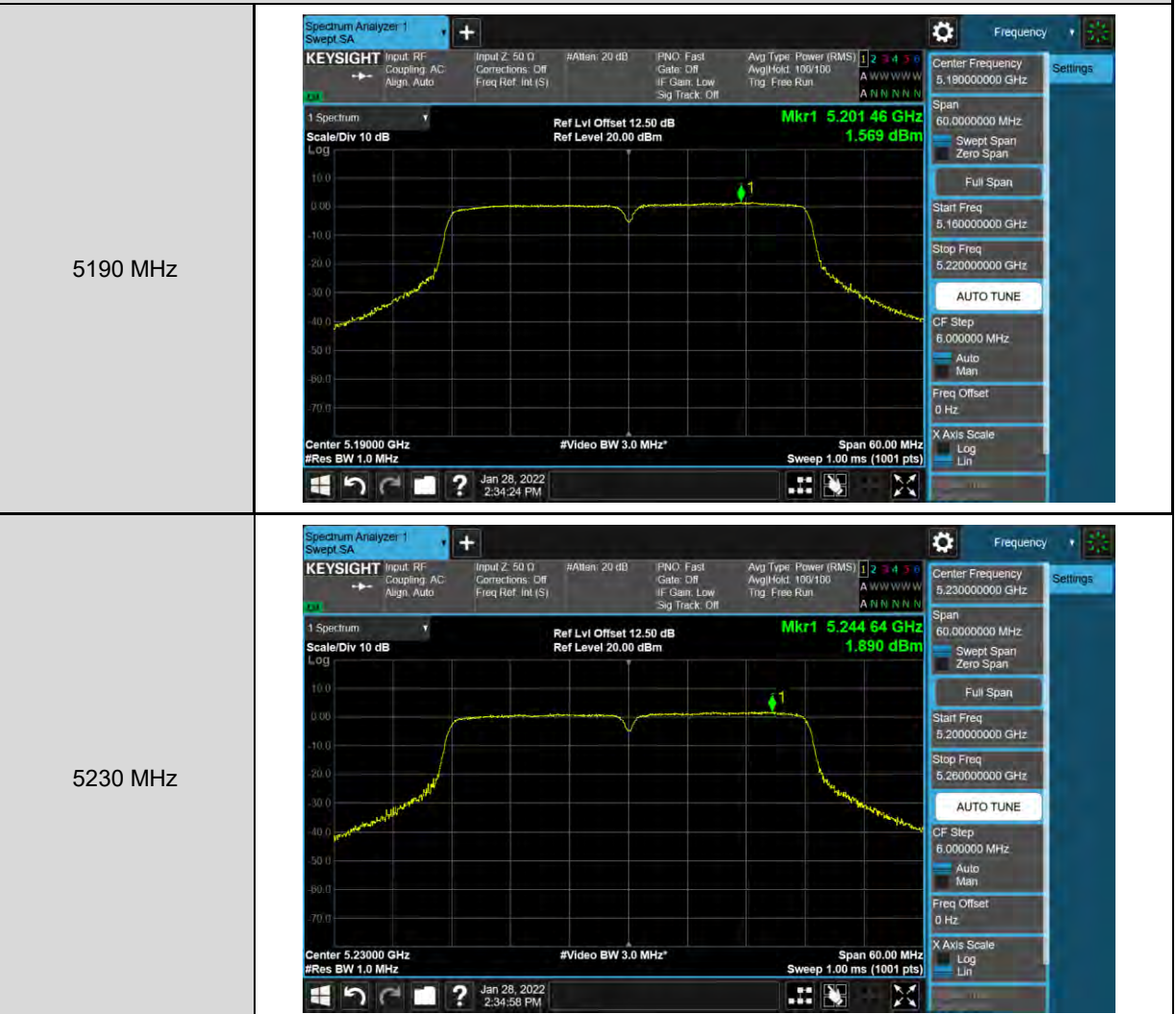


Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-0

5500 MHz	
5560 MHz	
5700 MHz	

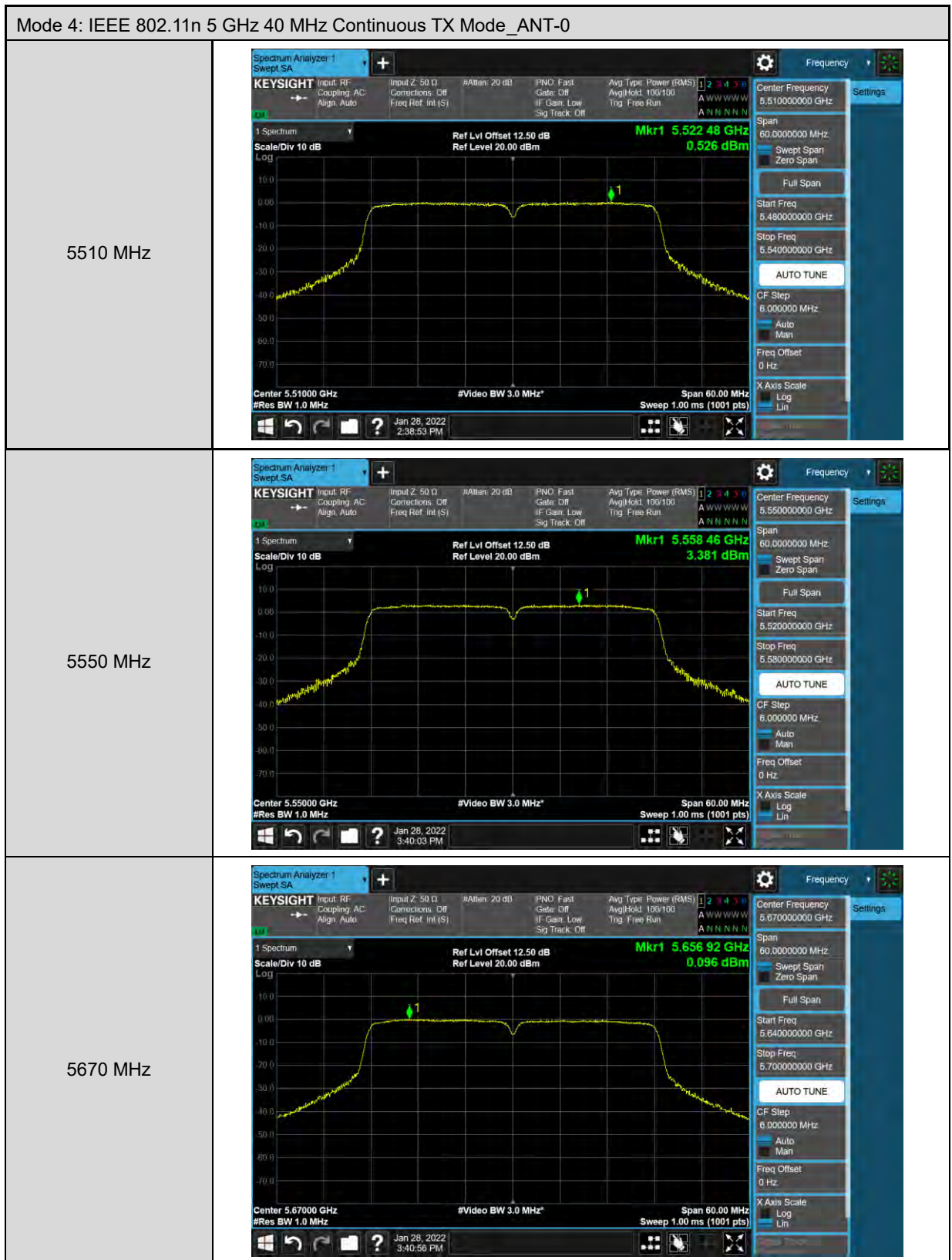
Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-0	
5745 MHz	
5785 MHz	
5825 MHz	

Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-0



Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-0





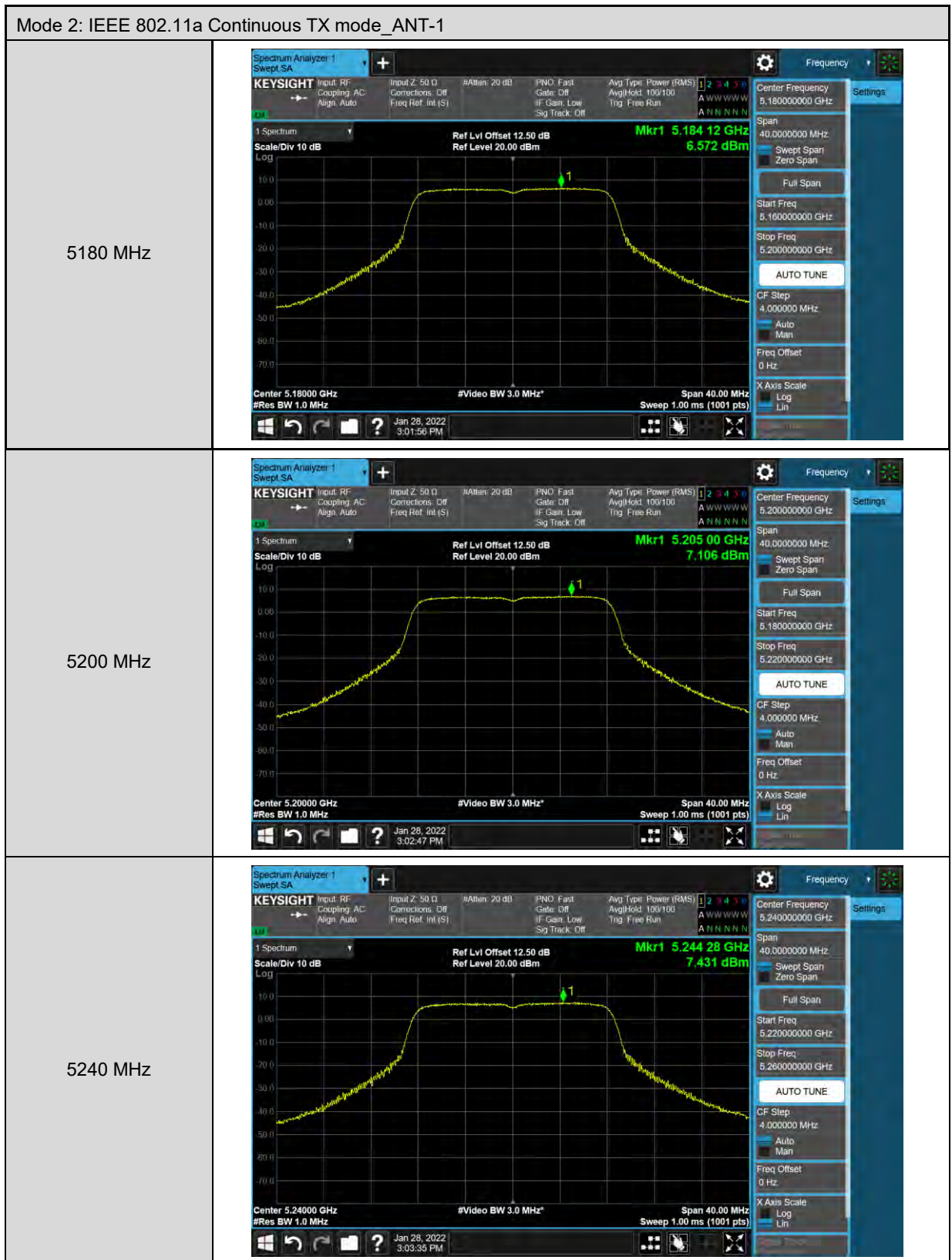
Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-0

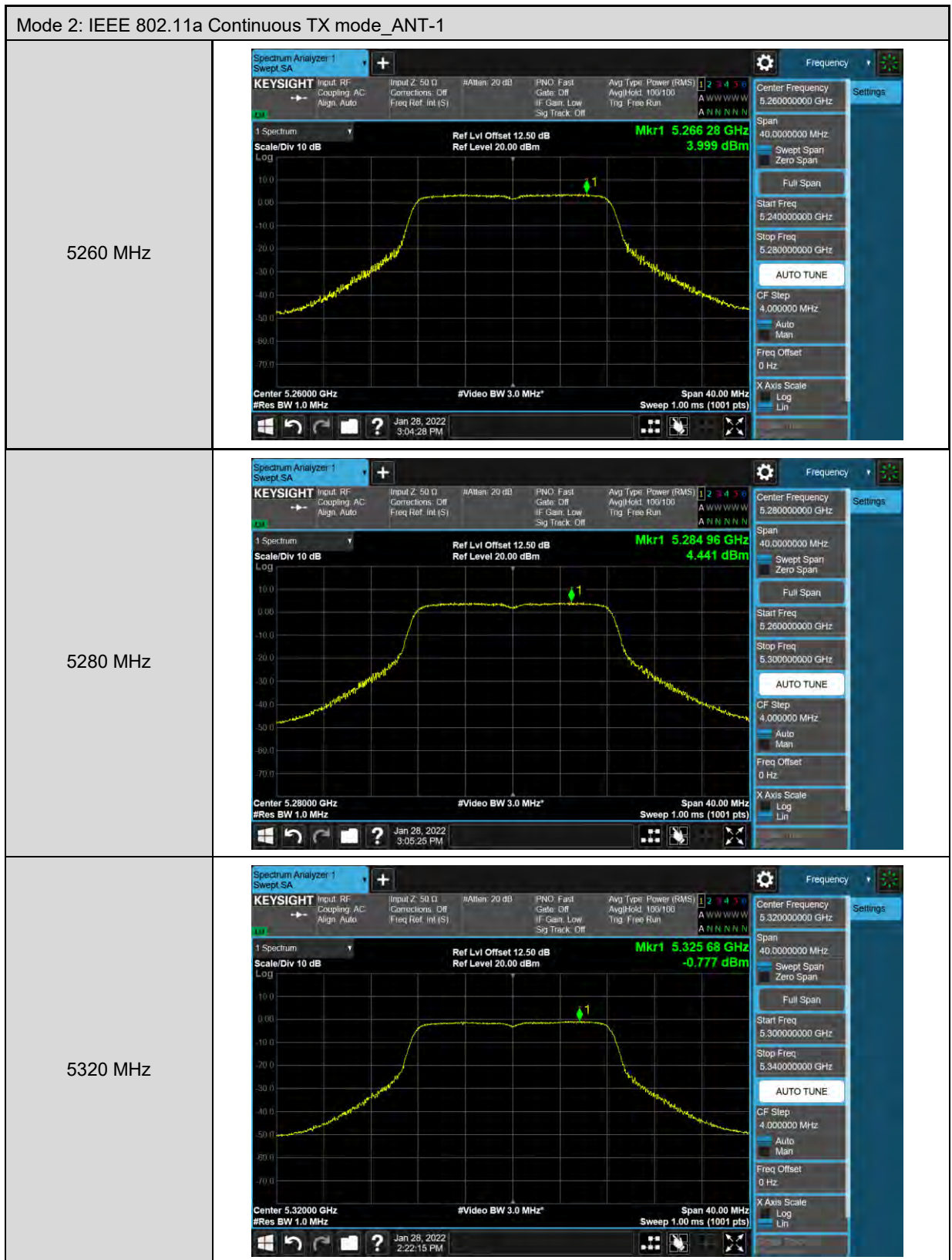
5755 MHz

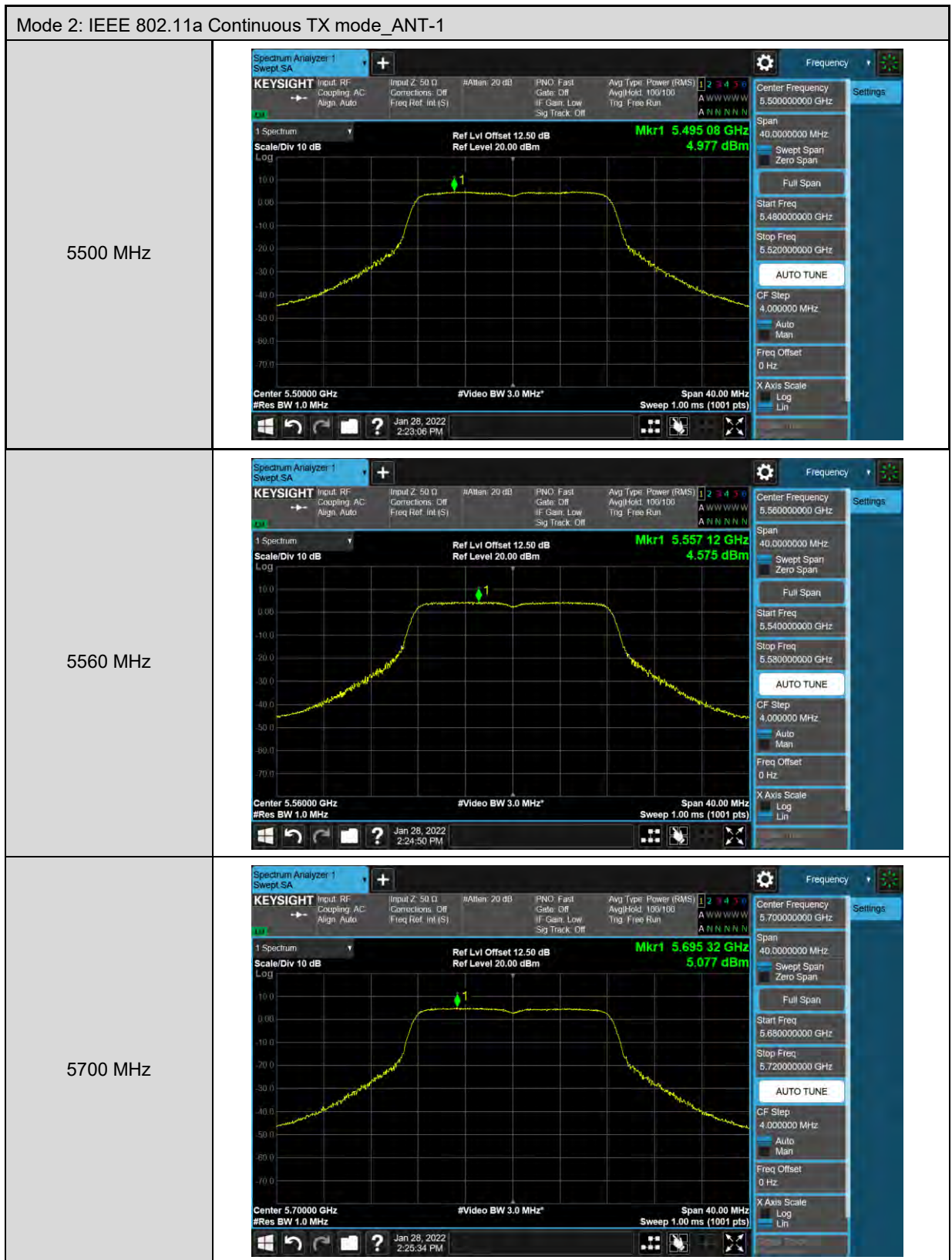


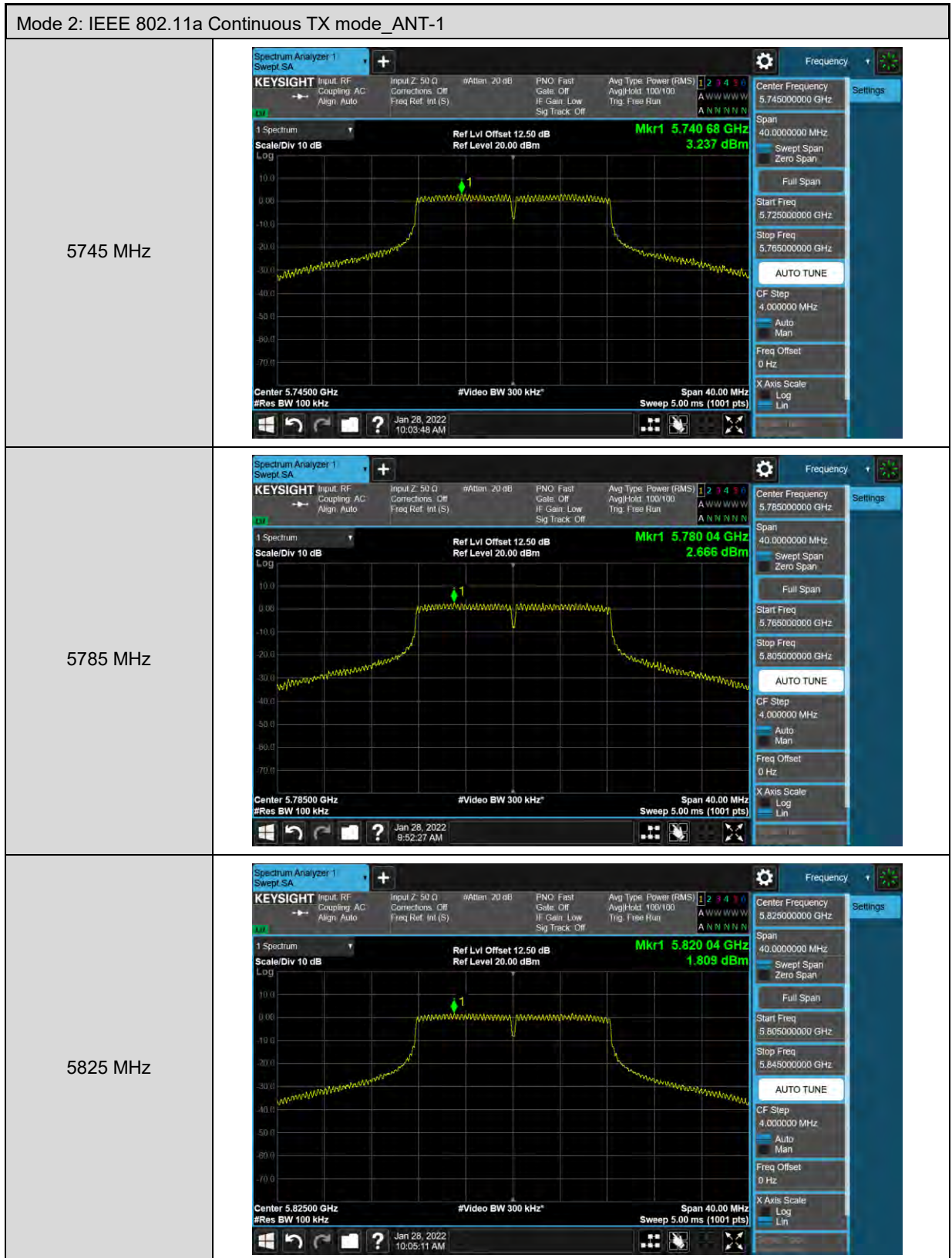
5795 MHz











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

5180 MHz	
5200 MHz	
5240 MHz	

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

5260 MHz



5280 MHz

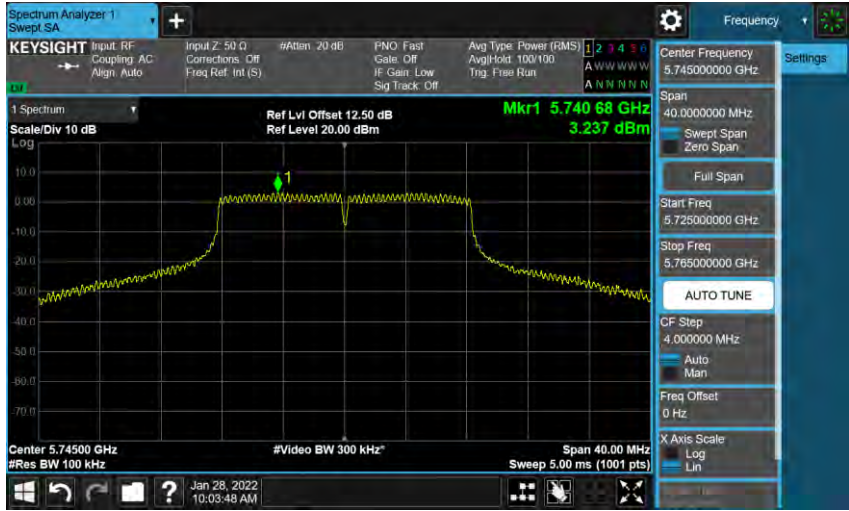
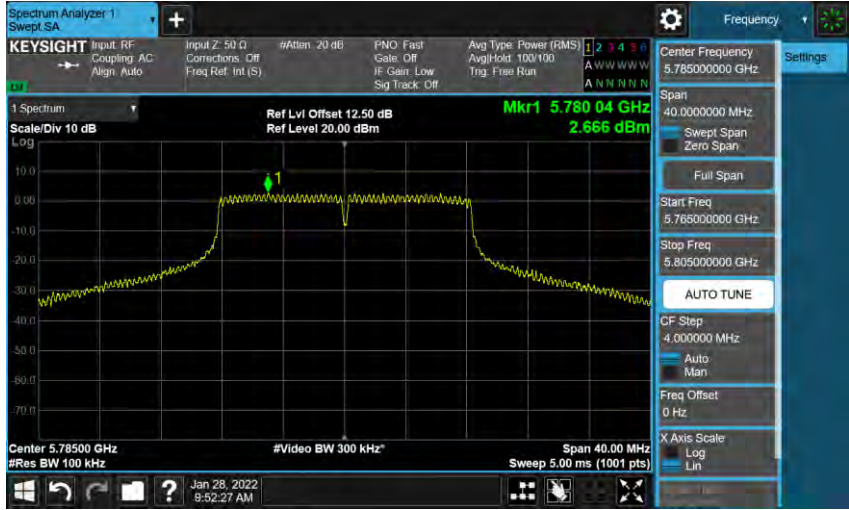


5320 MHz



Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-1	
5500 MHz	 KEYSIGHT Spectrum Analyzer 1 Sweep SA Input: RF Coupling: AC Align: Auto Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) #Att: 20 dB IFNO: Fast Gate: Off IF Gain: Low Sig Track: Off Avg Type: Power (RMS) Avg Hold: 100/100 Trig: Free Run Center Frequency: 5.50000000 GHz Span: 40.0000000 MHz Start Freq: 5.480000000 GHz Stop Freq: 5.520000000 GHz AUTO TUNE CF Step: 4.000000 MHz Auto Man Freq Offset: 0 Hz X Axis Scale: Log Lin Scale/Div 10 dB Ref Lvl Offset 12.50 dB Ref Level 20.00 dBm Mkr1 5.505 00 GHz 2.813 dBm Center 5.50000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Span 40.00 MHz Sweep 1.00 ms (1001 pts) Jan 28, 2022 2:31:14 PM
5560 MHz	 KEYSIGHT Spectrum Analyzer 1 Sweep SA Input: RF Coupling: AC Align: Auto Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) #Att: 20 dB IFNO: Fast Gate: Off IF Gain: Low Sig Track: Off Avg Type: Power (RMS) Avg Hold: 100/100 Trig: Free Run Center Frequency: 5.56000000 GHz Span: 40.0000000 MHz Start Freq: 5.540000000 GHz Stop Freq: 5.580000000 GHz AUTO TUNE CF Step: 4.000000 MHz Auto Man Freq Offset: 0 Hz X Axis Scale: Log Lin Scale/Div 10 dB Ref Lvl Offset 12.50 dB Ref Level 20.00 dBm Mkr1 5.555 32 GHz 3.246 dBm Center 5.56000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Span 40.00 MHz Sweep 1.00 ms (1001 pts) Jan 28, 2022 2:32:36 PM
5700 MHz	 KEYSIGHT Spectrum Analyzer 1 Sweep SA Input: RF Coupling: AC Align: Auto Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) #Att: 20 dB IFNO: Fast Gate: Off IF Gain: Low Sig Track: Off Avg Type: Power (RMS) Avg Hold: 100/100 Trig: Free Run Center Frequency: 5.70000000 GHz Span: 40.0000000 MHz Start Freq: 5.680000000 GHz Stop Freq: 5.720000000 GHz AUTO TUNE CF Step: 4.000000 MHz Auto Man Freq Offset: 0 Hz X Axis Scale: Log Lin Scale/Div 10 dB Ref Lvl Offset 12.50 dB Ref Level 20.00 dBm Mkr1 5.694 92 GHz 3.296 dBm Center 5.70000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Span 40.00 MHz Sweep 1.00 ms (1001 pts) Jan 28, 2022 2:33:30 PM

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

5745 MHz	
5785 MHz	
5825 MHz	



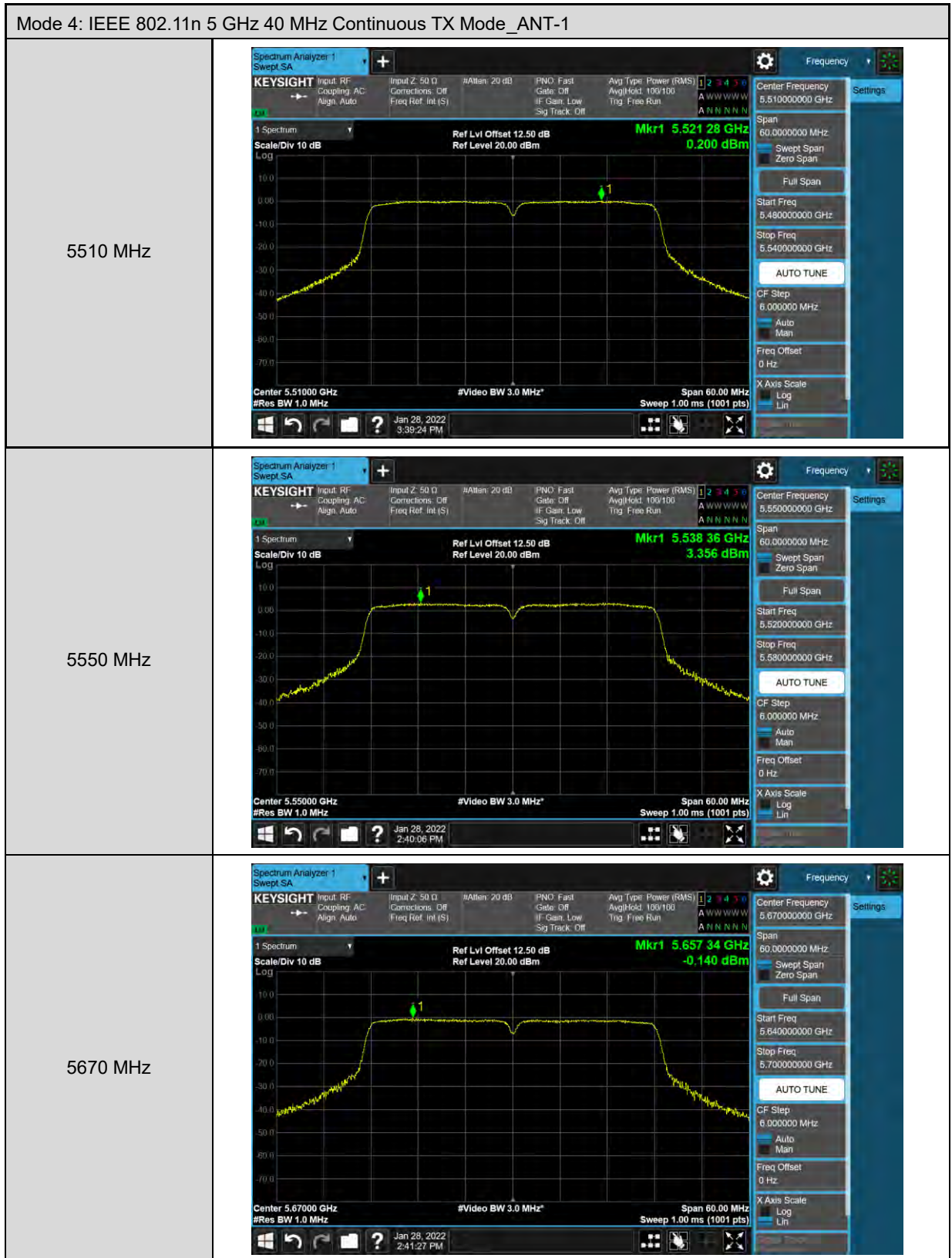
Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-1

5270 MHz

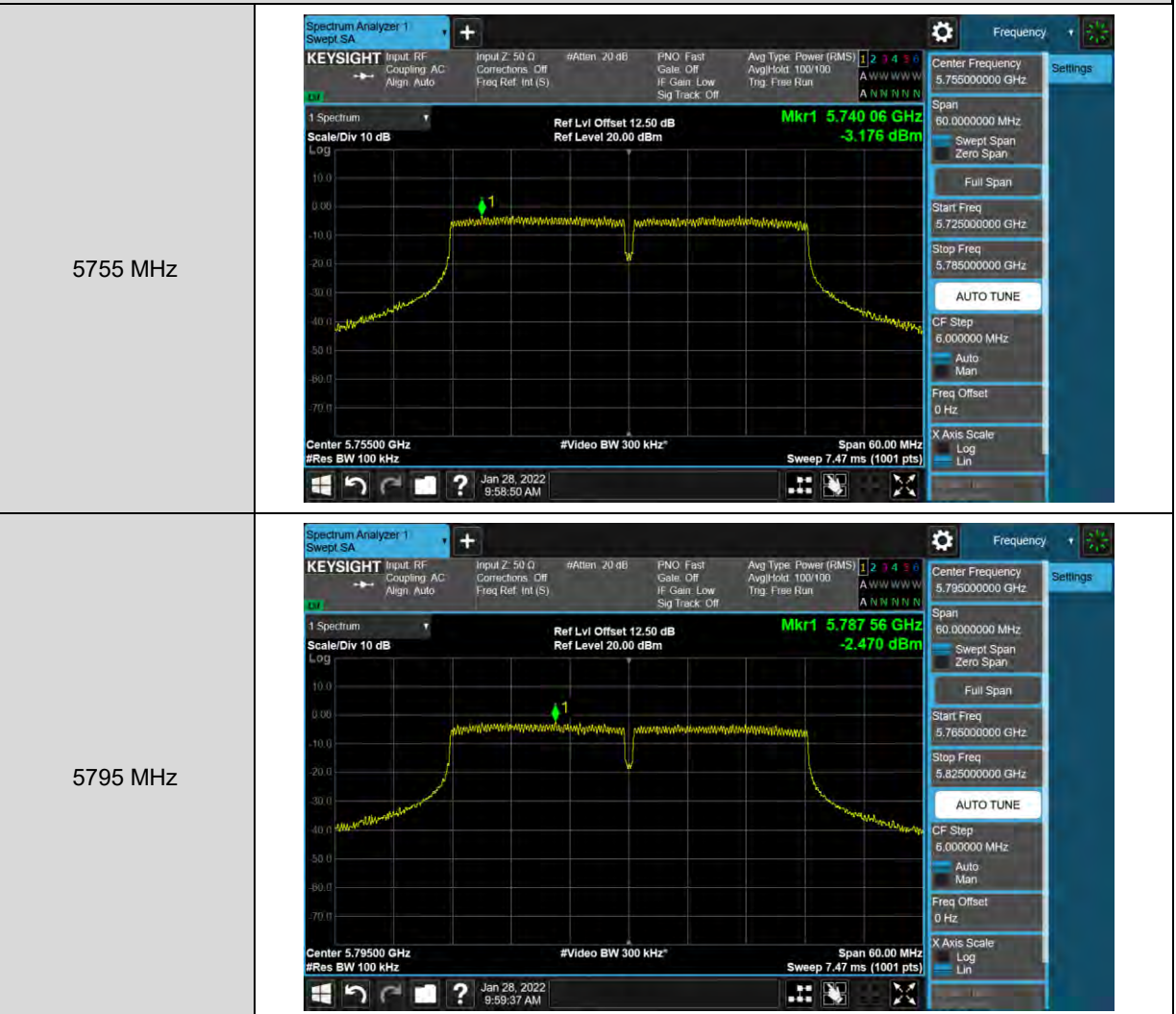


5310 MHz





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



---END---