

Maximum Power Spectral Density Measurement

	Frequency (MHz)	ANT-1			Limit
		Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	(dBm/MHz)
Mode 2	5180	10.277	0.074	10.351	≤ 16.00
	5200	11.678	0.074	11.752	≤ 16.00
	5240	11.884	0.074	11.958	≤ 16.00
	5260	9.155	0.074	9.229	≤ 10.00
	5280	9.271	0.074	9.345	≤ 10.00
	5320	8.568	0.074	8.642	≤ 10.00
	5500	6.274	0.074	6.348	≤ 11.00
	5560	10.391	0.074	10.465	≤ 11.00
	5700	5.834	0.074	5.908	≤ 11.00

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

	Frequency (MHz)	ANT-1			Limit
		Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	(dBm/500 kHz)
Mode 2	5745	5.297	0.074	12.360	≤ 30.00
	5785	4.957	0.074	12.020	≤ 30.00
	5825	5.035	0.074	12.098	≤ 30.00

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

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

	Frequency (MHz)	ANT-1			Limit
		Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	(dBm/MHz)
Mode 3	5180	7.577	0.157	7.734	≤ 16.00
	5200	9.692	0.157	9.849	≤ 16.00
	5240	11.751	0.157	11.908	≤ 16.00
	5260	9.265	0.157	9.422	≤ 10.00
	5280	9.040	0.157	9.197	≤ 10.00
	5320	8.044	0.157	8.201	≤ 10.00
	5500	6.598	0.157	6.755	≤ 11.00
	5560	10.215	0.157	10.372	≤ 11.00
	5700	5.297	0.157	5.454	≤ 11.00

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

	Frequency (MHz)	ANT-1			Limit
		Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	(dBm/500 kHz)
Mode 3	5745	4.493	0.157	11.640	≤ 30.00
	5785	5.330	0.157	12.477	≤ 30.00
	5825	4.988	0.157	12.135	≤ 30.00

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

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

	Frequency (MHz)	ANT-1			Limit
		Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	(dBm/MHz)
Mode 4	5190	3.073	0.224	3.297	≤ 16.00
	5230	8.734	0.224	8.958	≤ 16.00
	5270	7.364	0.224	7.588	≤ 16.00
	5310	2.063	0.224	2.287	≤ 10.00
	5510	1.794	0.224	2.018	≤ 10.00
	5550	6.426	0.224	6.650	≤ 10.00
	5670	4.459	0.224	4.683	≤ 11.00

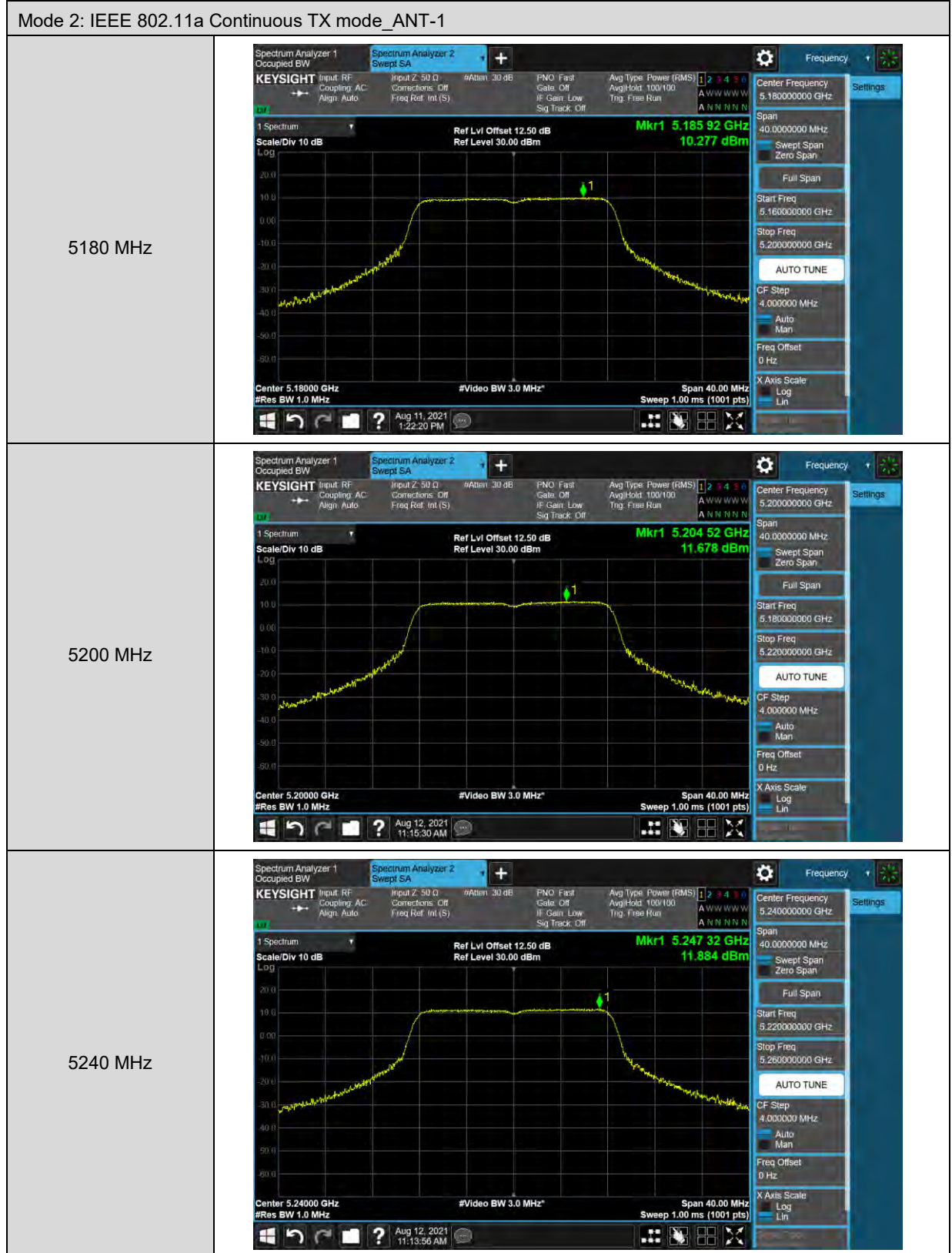
Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

	Frequency (MHz)	ANT-1			Limit
		Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	(dBm/500 kHz)
Mode 4	5755	-1.399	0.224	5.814	≤ 30.00
	5795	-0.469	0.224	6.744	≤ 30.00

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

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

Test Graphs



Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1

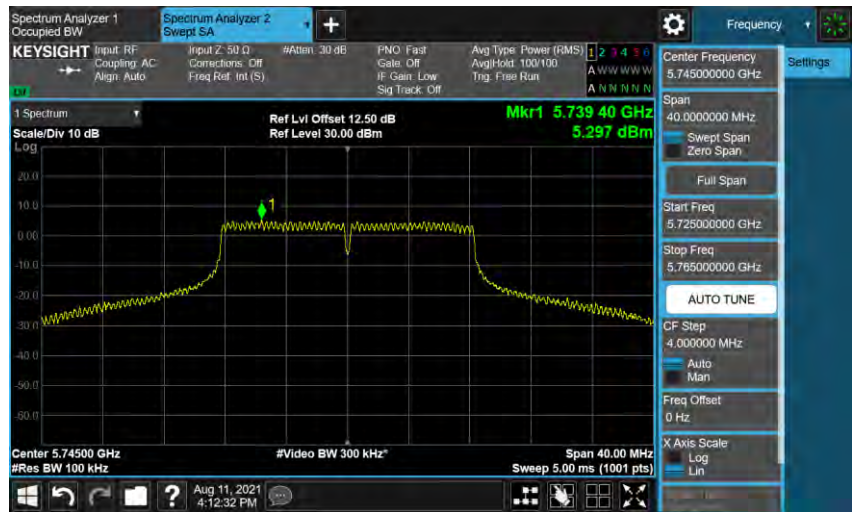
5260 MHz	
5280 MHz	
5320 MHz	

Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1

5500 MHz	
5560 MHz	
5700 MHz	

Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1

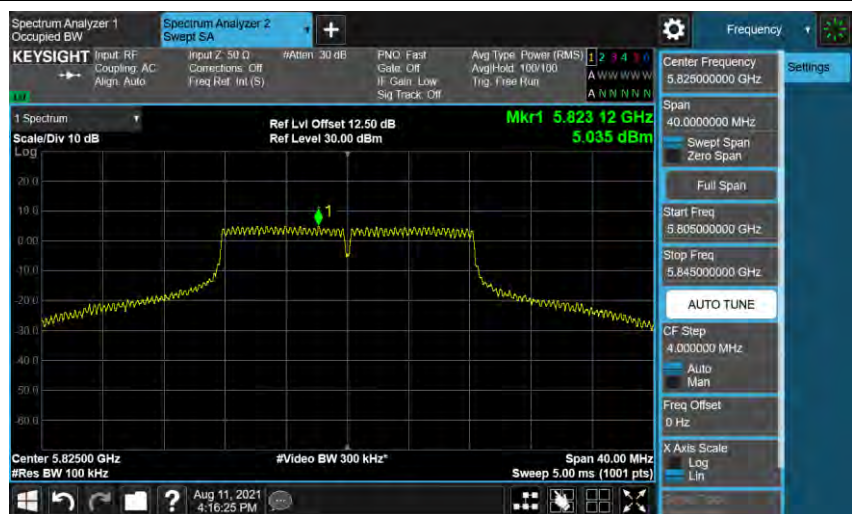
5745 MHz

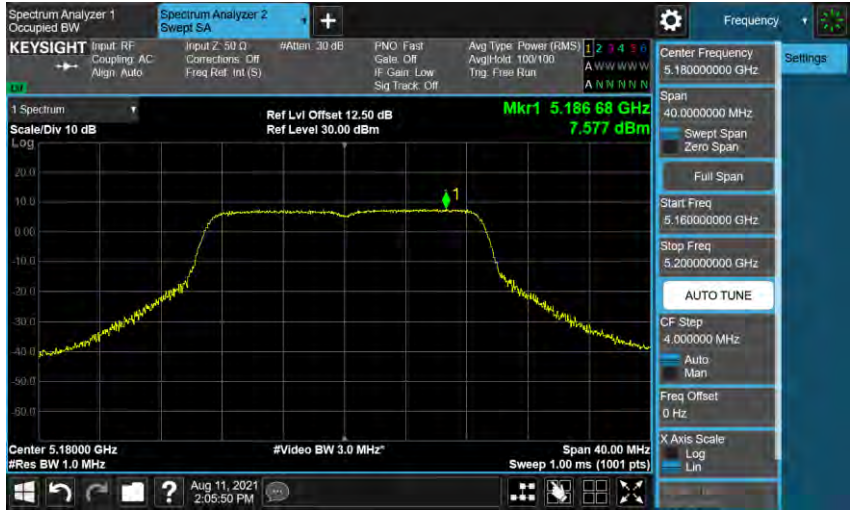
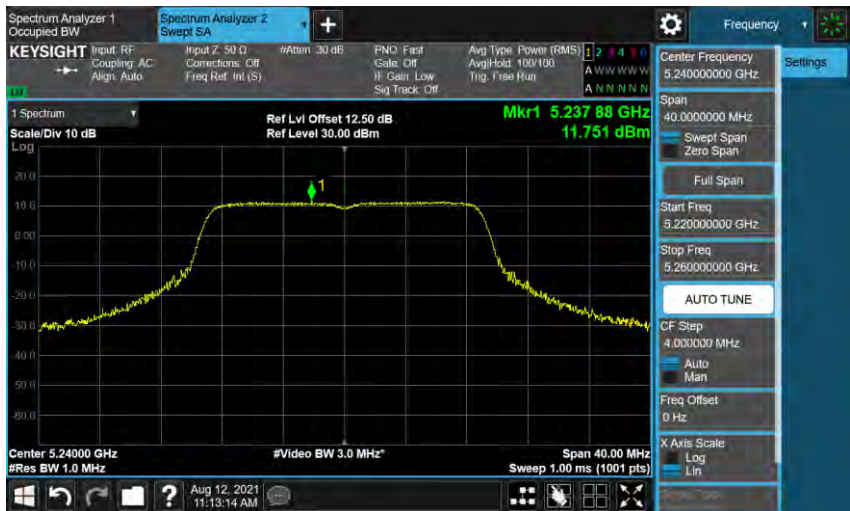


5785 MHz



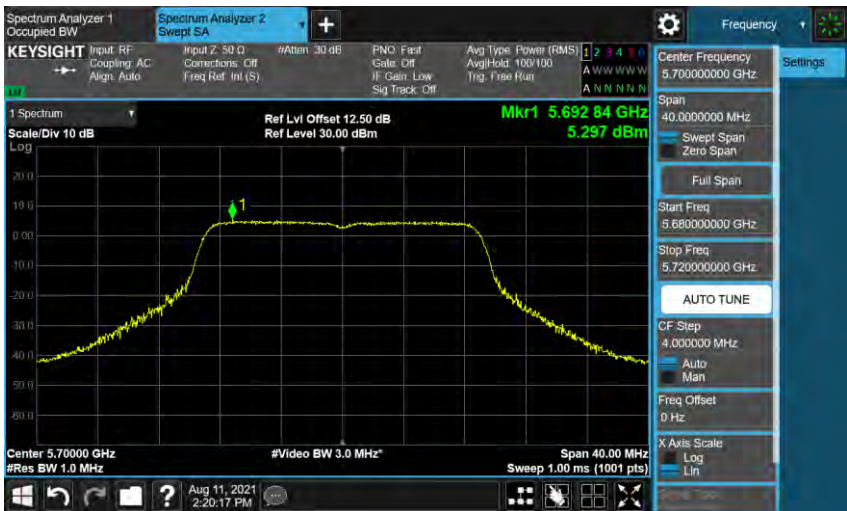
5825 MHz



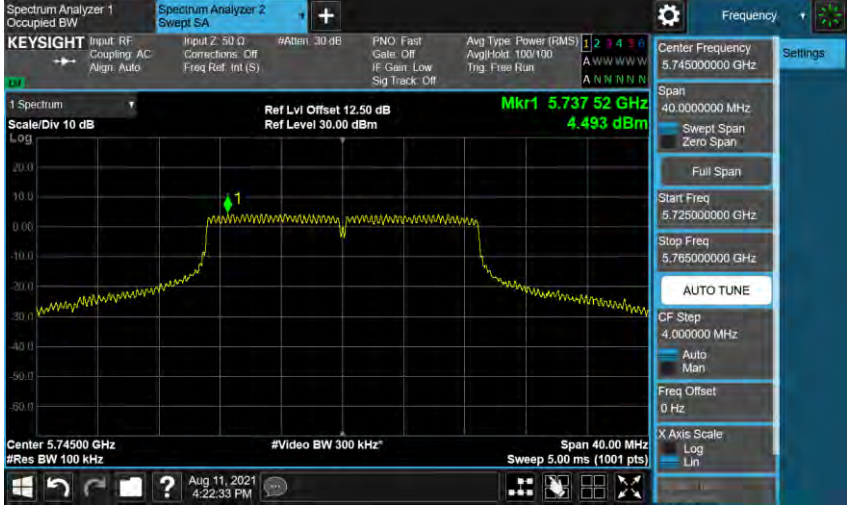
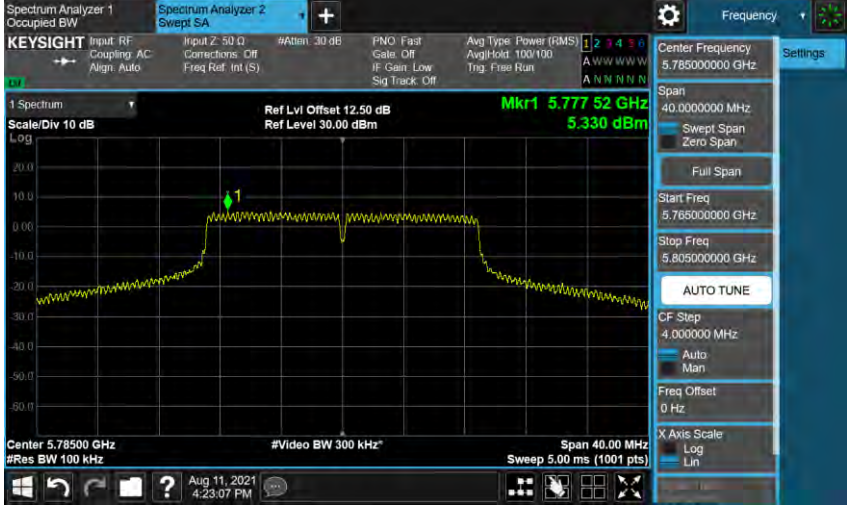
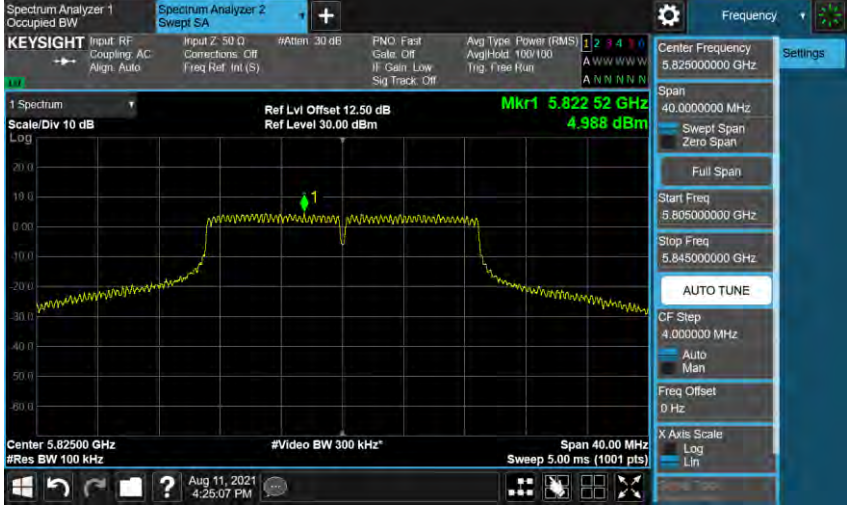
Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

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

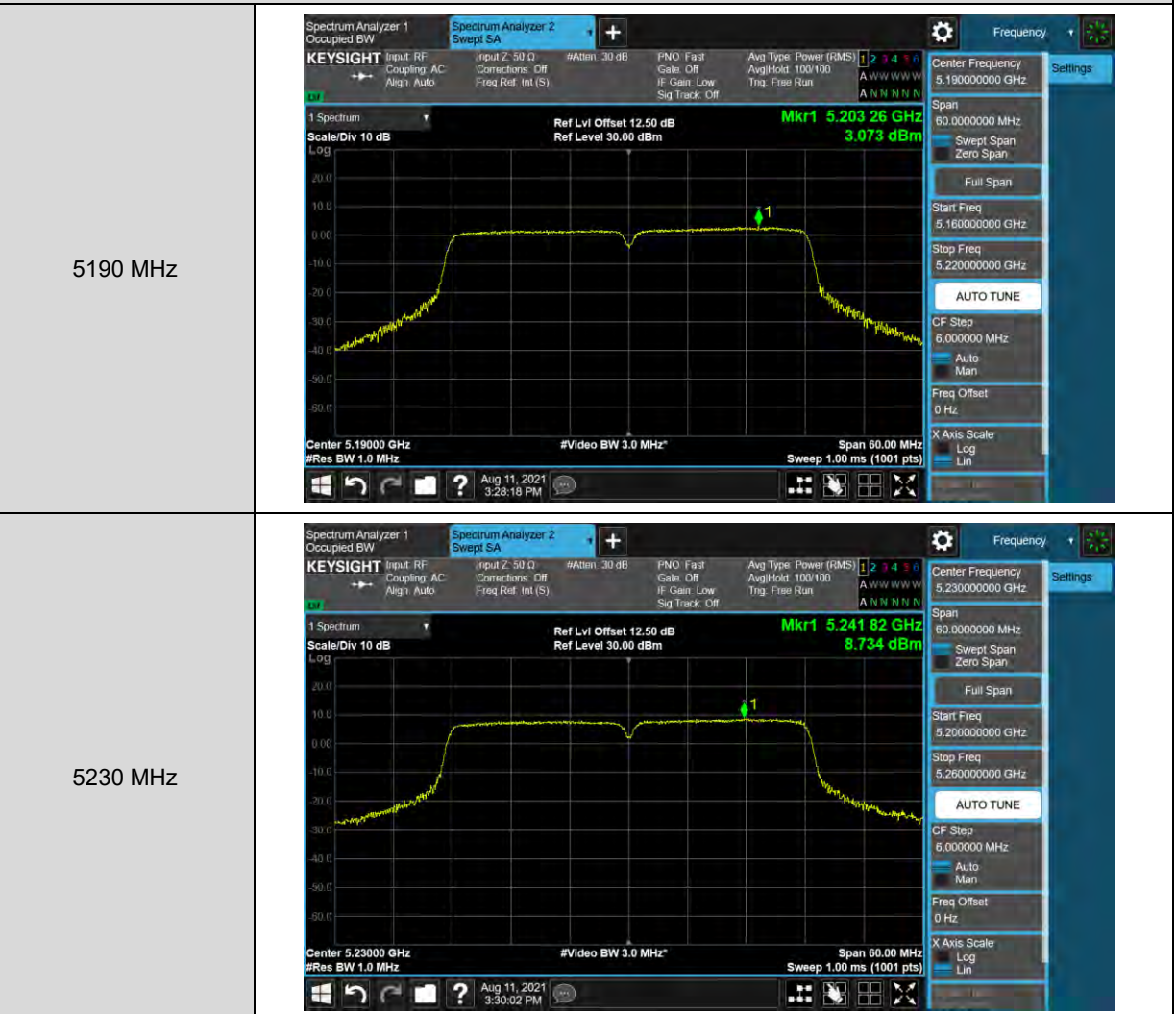
5260 MHz	
5280 MHz	
5320 MHz	

Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-1	
5500 MHz	
5560 MHz	
5700 MHz	

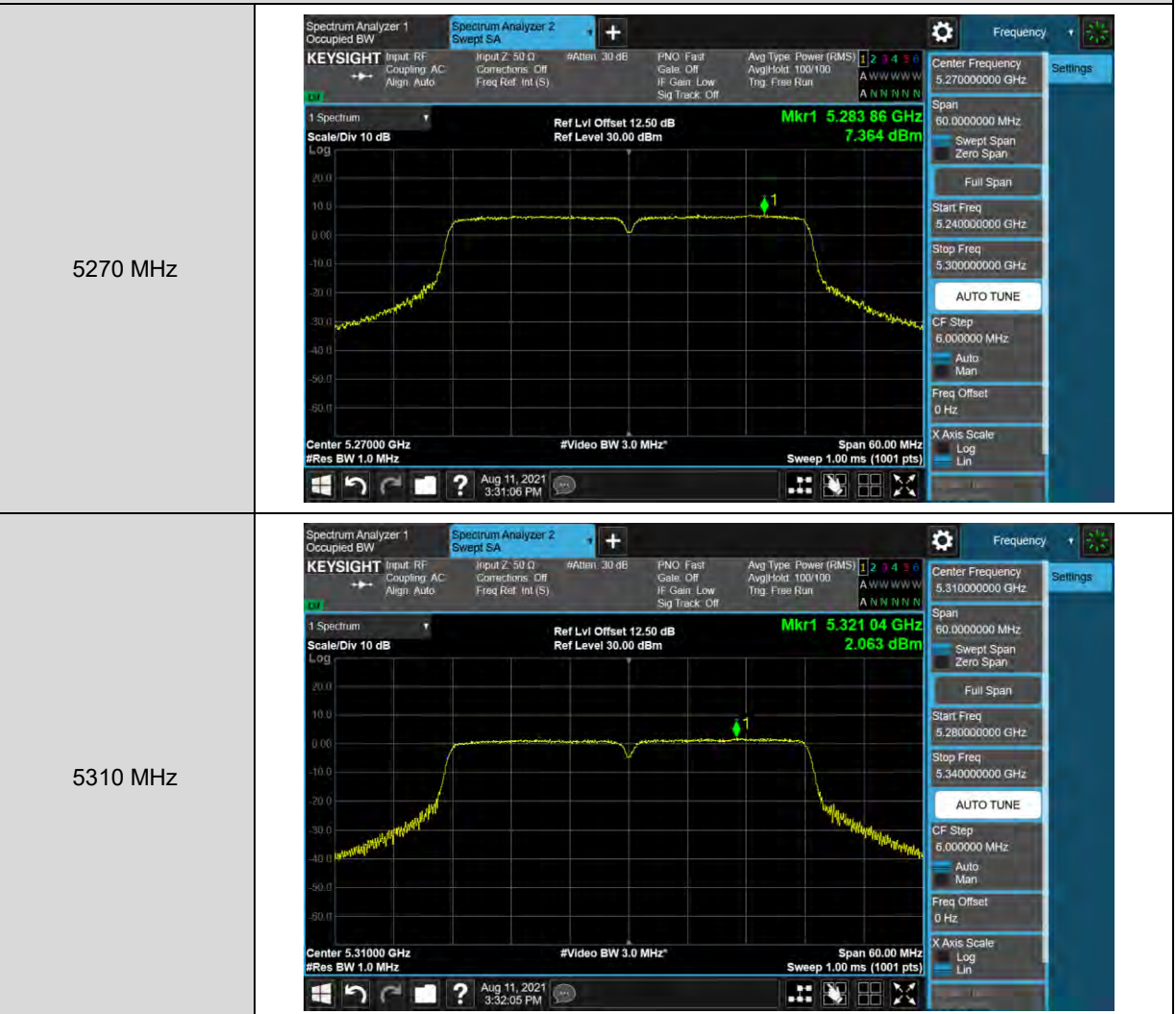
Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-1

5745 MHz	
5785 MHz	
5825 MHz	

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



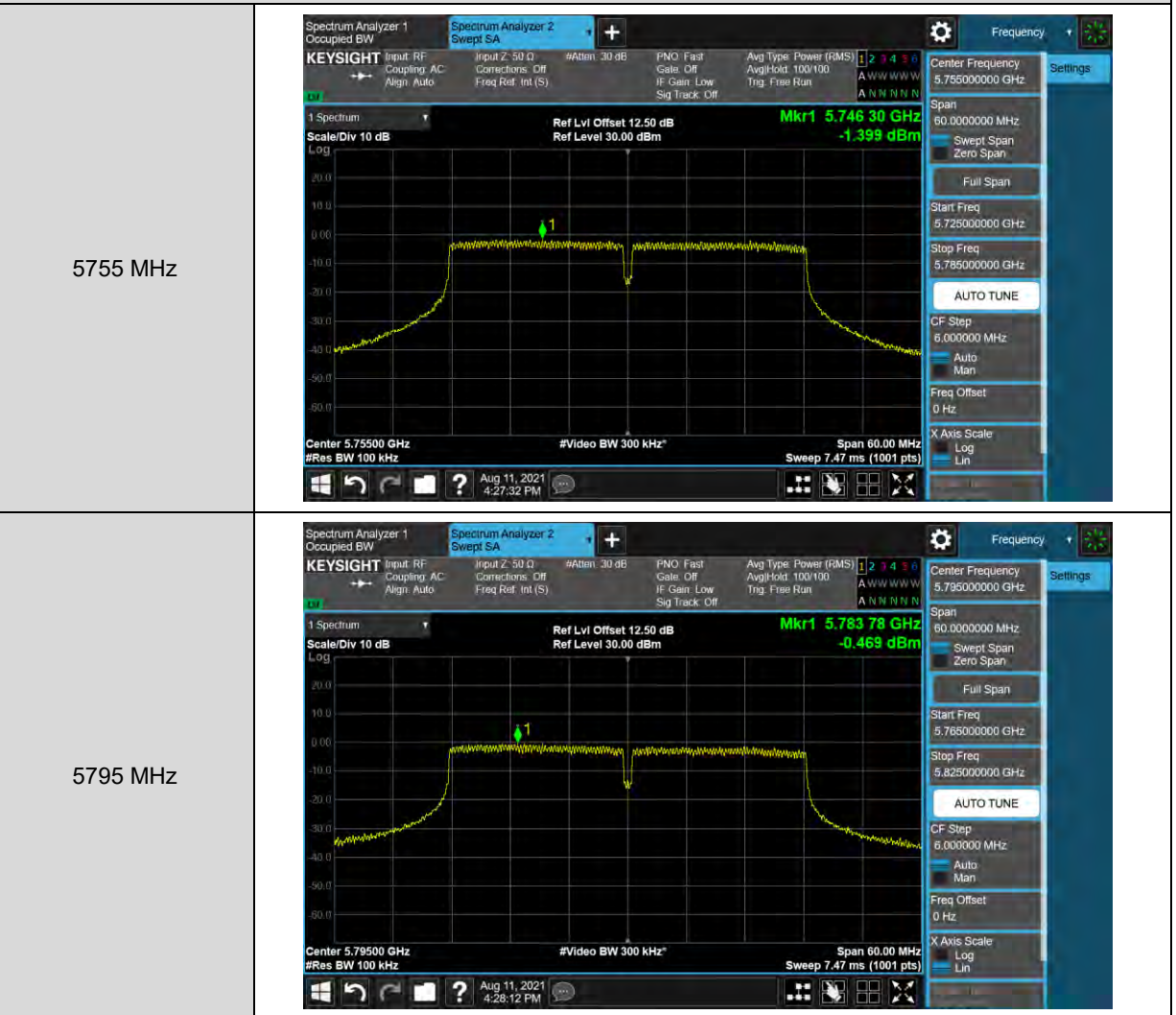
Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-1



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

5510 MHz	
5550 MHz	
5670 MHz	

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



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	21	21	ART2-GUI version 2.3
	5200	21	21	
	5220	21	21	
	5240	21	21	
	5260	18	18	
	5280	18	18	
	5300	18	18	
	5320	18	18	
	5500	16.5	16.5	
	5520	16.5	16.5	
	5540	16.5	16.5	
	5560	16.5	16.5	
	5580	16.5	16.5	
	5600	16.5	16.5	
	5620	16.5	16.5	
	5640	16.5	16.5	
	5660	16.5	16.5	
	5680	16.5	16.5	
	5700	21	21	
	5745	27	27	
	5765	27.5	27.5	
	5785	27.5	27.5	
	5805	27.5	27.5	
	5825	27	27	

Test Mode	Frequency (MHz)	RF Power setting in Test Software		Test Software Version
		ANT-0	ANT-1	
Mode 3	5180	21	21	ART2-GUI version 2.3
	5200	22	22	
	5220	22	22	
	5240	21	21	
	5260	19	19	
	5280	19	19	
	5300	19	19	
	5320	17	17	
	5500	17	17	
	5520	17	17	
	5540	17	17	
	5560	17	17	
	5580	17	17	
	5600	17	17	
	5620	17	17	
	5640	17	17	
	5660	17	17	
	5680	17	17	
	5700	18	18	
	5745	27	27	
	5765	28	28	
	5785	28	28	
	5805	28	28	
	5825	27	27	
Mode 4	5190	18	18	ART2-GUI version 2.3
	5230	20	20	
	5270	20	20	
	5310	17	17	
	5510	13	13	
	5550	14.5	14.5	
	5590	14.5	14.5	
	5630	14.5	14.5	
	5670	16	16	
	5755	18	18	
	5795	19	19	

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		ANT-0+1		Limit (dBm)
		Max. Output Power						
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	6 M	18.73	0.075	20.00	0.100	22.42	0.175	≤ 29.00
5200		18.72	0.074	19.98	0.100	22.41	0.174	≤ 29.00
5220		18.69	0.074	19.92	0.098	22.36	0.172	≤ 29.00
5240		19.41	0.087	20.36	0.109	22.92	0.196	≤ 29.00
5260		16.52	0.045	17.03	0.050	19.79	0.095	≤ 23.00
5280		17.26	0.053	17.52	0.056	20.40	0.110	≤ 23.00
5300		17.22	0.053	17.48	0.056	20.36	0.109	≤ 23.00
5320		17.83	0.061	18.22	0.066	21.04	0.127	≤ 23.00
5500		18.48	0.070	19.02	0.080	21.77	0.150	≤ 24.00
5520		17.89	0.062	18.41	0.069	21.17	0.131	≤ 24.00
5540		17.85	0.061	18.43	0.070	21.16	0.131	≤ 24.00
5560		17.92	0.062	18.46	0.070	21.21	0.132	≤ 24.00
5580		17.73	0.059	18.27	0.067	21.02	0.126	≤ 24.00
5600		17.32	0.054	17.86	0.061	20.61	0.115	≤ 24.00
5620		17.18	0.052	17.66	0.058	20.44	0.111	≤ 24.00
5640		16.43	0.044	16.89	0.049	19.68	0.093	≤ 24.00
5660		16.23	0.042	16.72	0.047	19.49	0.089	≤ 24.00
5680		16.25	0.042	16.71	0.047	19.50	0.089	≤ 24.00
5700		18.82	0.076	19.33	0.086	22.09	0.162	≤ 24.00
5745		24.42	0.277	24.52	0.283	27.48	0.560	≤ 30.00
5765		24.48	0.281	24.56	0.286	27.53	0.566	≤ 30.00
5785		24.61	0.289	24.72	0.296	27.68	0.586	≤ 30.00
5805		24.26	0.267	24.38	0.274	27.33	0.541	≤ 30.00
5825		24.36	0.273	24.73	0.297	27.56	0.570	≤ 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		ANT-0+1		Limit (dBm)
		Max. Output Power						
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	13 M	17.45	0.056	18.33	0.068	20.92	0.124	≤ 29.00
5200		18.92	0.078	19.32	0.086	22.13	0.163	≤ 29.00
5220		18.63	0.073	18.91	0.078	21.78	0.151	≤ 29.00
5240		19.46	0.088	19.76	0.095	22.62	0.183	≤ 29.00
5260		17.53	0.057	17.72	0.059	20.64	0.116	≤ 23.00
5280		17.81	0.060	18.32	0.068	21.08	0.128	≤ 23.00
5300		17.42	0.055	17.76	0.060	20.60	0.115	≤ 23.00
5320		16.76	0.047	17.03	0.050	19.91	0.098	≤ 23.00
5500		18.82	0.076	19.52	0.090	22.19	0.166	≤ 24.00
5520		18.25	0.067	18.63	0.073	21.45	0.140	≤ 24.00
5540		18.23	0.067	18.62	0.073	21.44	0.139	≤ 24.00
5560		18.29	0.067	18.69	0.074	21.50	0.141	≤ 24.00
5580		18.19	0.066	18.52	0.071	21.37	0.137	≤ 24.00
5600		17.62	0.058	18.22	0.066	20.94	0.124	≤ 24.00
5620		17.46	0.056	18.03	0.064	20.76	0.119	≤ 24.00
5640		16.72	0.047	17.37	0.055	20.07	0.102	≤ 24.00
5660		16.46	0.044	17.02	0.050	19.76	0.095	≤ 24.00
5680		15.45	0.035	15.91	0.039	18.70	0.074	≤ 24.00
5700		15.89	0.039	15.96	0.039	18.94	0.078	≤ 24.00
5745		24.42	0.277	24.57	0.286	27.51	0.563	≤ 30.00
5765		25.16	0.328	25.28	0.337	28.23	0.665	≤ 30.00
5785		25.23	0.333	25.31	0.340	28.28	0.673	≤ 30.00
5805		25.01	0.317	25.09	0.323	28.06	0.640	≤ 30.00
5825		24.31	0.270	24.63	0.290	27.48	0.560	≤ 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		ANT-0+1		Limit (dBm)
		Max. Output Power						
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5190	27 M	16.47	0.044	17.66	0.058	20.12	0.103	≤ 29.00
5230		18.28	0.067	19.12	0.082	21.73	0.149	≤ 29.00
5270		18.89	0.077	19.08	0.081	22.00	0.158	≤ 23.00
5310		17.43	0.055	18.21	0.066	20.85	0.122	≤ 23.00
5510		14.05	0.025	15.15	0.033	17.65	0.058	≤ 24.00
5550		16.43	0.044	16.56	0.045	19.51	0.089	≤ 24.00
5590		16.22	0.042	16.33	0.043	19.29	0.085	≤ 24.00
5630		15.48	0.035	15.61	0.036	18.56	0.072	≤ 24.00
5670		16.57	0.045	16.71	0.047	19.65	0.092	≤ 24.00
5755		15.68	0.037	15.76	0.038	18.73	0.075	≤ 30.00
5795		16.79	0.048	17.15	0.052	19.98	0.100	≤ 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	22.42	-2.1	20.32	≤ 21.00
5200		22.41	-2.1	20.31	≤ 21.00
5220		22.36	-2.1	20.26	≤ 21.00
5240		22.92	-2.1	20.82	≤ 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	20.92	-2.1	18.82	≤ 21.00
5200		22.13	-2.1	20.03	≤ 21.00
5220		21.78	-2.1	19.68	≤ 21.00
5240		22.62	-2.1	20.52	≤ 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	20.12	-2.1	18.02	≤ 21.00
5230		21.73	-2.1	19.63	≤ 21.00

Transmit power control Measurement

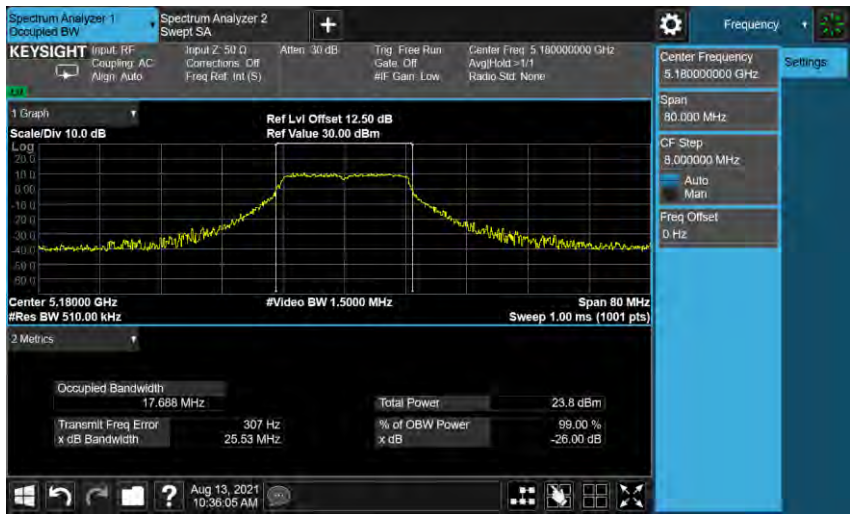
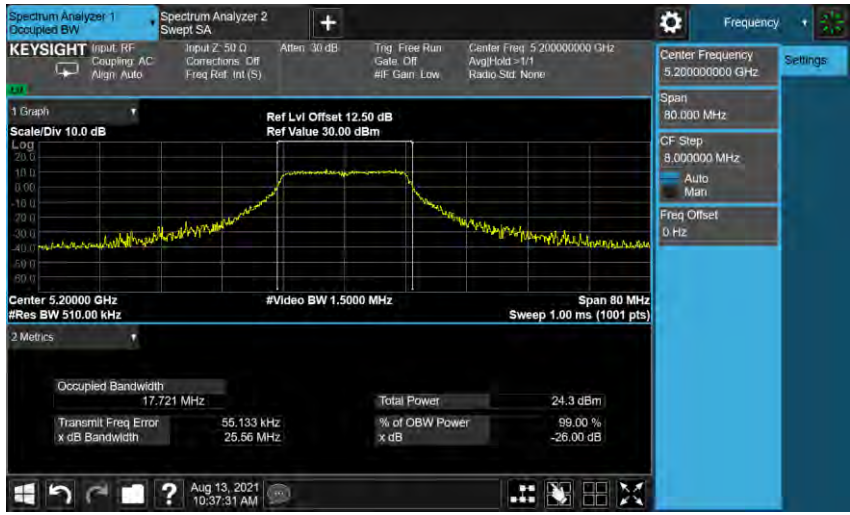
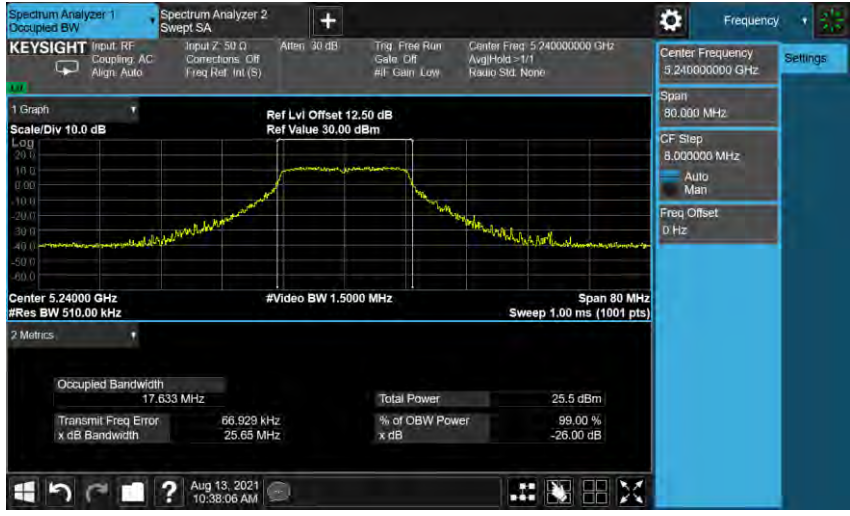
Test Mode	Data Rate	Frequency (MHz)	ANT-0+1				E.I.R.P. Limit (dBm)
			Max. Outup Power	Max. Gain	E.I.R.P.		
			(dBm)	(dBi)	(dBm)	(W)	
Mode 2	6 M	5260	16.42	7.00	23.42	0.220	≤ 24.00
		5280	16.78	7.00	23.78	0.239	≤ 24.00
		5300	16.69	7.00	23.69	0.234	≤ 24.00
		5320	16.72	7.00	23.72	0.236	≤ 24.00
		5500	17.65	6.00	23.65	0.232	≤ 24.00
		5520	17.16	6.00	23.16	0.207	≤ 24.00
		5540	17.16	6.00	23.16	0.207	≤ 24.00
		5560	17.19	6.00	23.19	0.208	≤ 24.00
		5580	17.07	6.00	23.07	0.203	≤ 24.00
		5600	16.98	6.00	22.98	0.198	≤ 24.00
		5620	16.81	6.00	22.81	0.191	≤ 24.00
		5640	16.34	6.00	22.34	0.171	≤ 24.00
		5660	16.25	6.00	22.25	0.168	≤ 24.00
		5680	15.85	6.00	21.85	0.153	≤ 24.00
		5700	16.46	6.00	22.46	0.176	≤ 24.00
Mode 3	13 M	5260	16.52	7.00	23.52	0.225	≤ 24.00
		5280	16.96	7.00	23.96	0.249	≤ 24.00
		5300	16.93	7.00	23.93	0.247	≤ 24.00
		5320	16.79	7.00	23.79	0.239	≤ 24.00
		5500	17.65	6.00	23.65	0.231	≤ 24.00
		5520	17.40	6.00	23.40	0.219	≤ 24.00
		5540	17.39	6.00	23.39	0.218	≤ 24.00
		5560	17.44	6.00	23.44	0.221	≤ 24.00
		5580	17.32	6.00	23.32	0.215	≤ 24.00
		5600	17.19	6.00	23.19	0.208	≤ 24.00
		5620	17.01	6.00	23.01	0.200	≤ 24.00
		5640	16.40	6.00	22.40	0.174	≤ 24.00
		5660	16.12	6.00	22.12	0.163	≤ 24.00
		5680	15.68	6.00	21.68	0.147	≤ 24.00
		5700	16.56	6.00	22.56	0.180	≤ 24.00
Mode 4	27 M	5270	16.07	7.00	23.07	0.203	≤ 24.00
		5310	16.59	7.00	23.59	0.229	≤ 24.00
		5510	17.65	6.00	23.65	0.231	≤ 24.00
		5550	17.88	6.00	23.88	0.245	≤ 24.00
		5590	17.61	6.00	23.61	0.230	≤ 24.00
		5630	17.04	6.00	23.04	0.202	≤ 24.00
		5670	17.70	6.00	23.70	0.234	≤ 24.00

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

26 dB RF Bandwidth

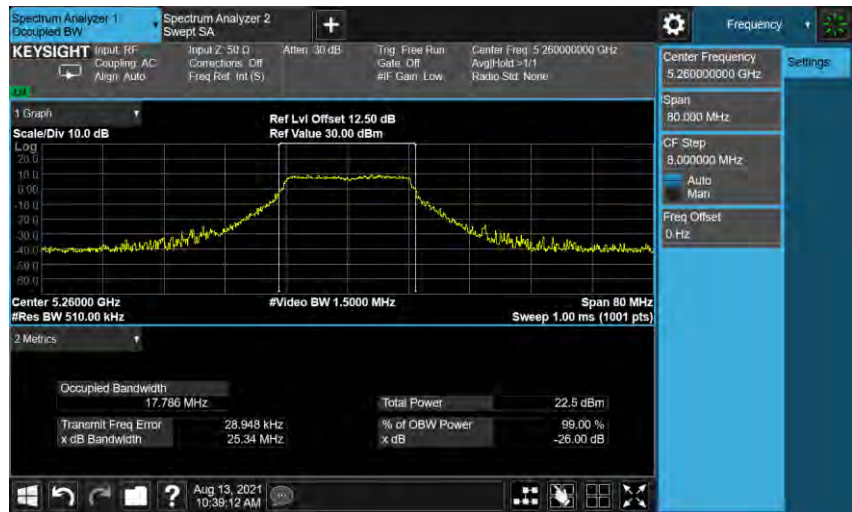
Test Mode	Frequency (MHz)	ANT-0	ANT-1
		Measurement Results (MHz)	Measurement Results (MHz)
Mode 2	5180	25.530	23.800
	5200	25.560	23.050
	5240	25.650	23.670
	5260	25.340	24.130
	5280	24.220	23.650
	5320	24.690	23.880
	5500	24.740	22.810
	5560	25.020	24.010
	5700	25.590	24.300
Mode 3	5180	26.090	23.660
	5200	25.620	24.060
	5240	26.090	24.280
	5260	25.770	24.270
	5280	26.340	24.540
	5320	25.740	24.870
	5500	33.960	24.190
	5560	25.500	24.030
	5700	25.470	24.330
Mode 4	5190	50.930	49.270
	5230	50.290	48.090
	5270	72.630	49.220
	5310	61.160	60.060
	5510	60.130	48.080
	5550	50.770	47.570
	5670	51.040	47.570

Test Graphs

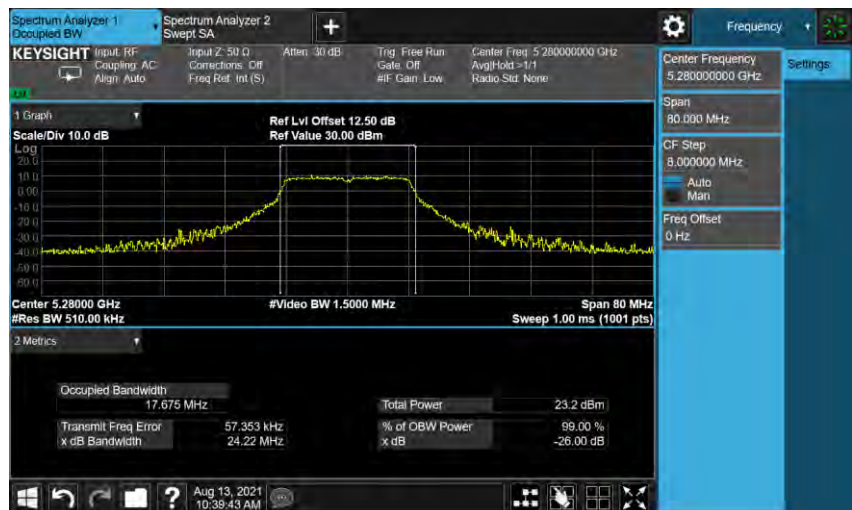
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0	
5180 MHz	 Center 5.18000 GHz #Res BW 510.00 kHz #Video BW 1.5000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth: 17.688 MHz Total Power: 23.8 dBm Transmit Freq Error: 307 Hz % of OBW Power: 99.00 % x dB Bandwidth: 25.53 MHz x dB: -26.00 dB
5200 MHz	 Center 5.20000 GHz #Res BW 510.00 kHz #Video BW 1.5000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth: 17.721 MHz Total Power: 24.3 dBm Transmit Freq Error: 56.133 kHz % of OBW Power: 99.00 % x dB Bandwidth: 25.56 MHz x dB: -26.00 dB
5240 MHz	 Center 5.24000 GHz #Res BW 510.00 kHz #Video BW 1.5000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth: 17.633 MHz Total Power: 25.5 dBm Transmit Freq Error: 66.929 kHz % of OBW Power: 99.00 % x dB Bandwidth: 25.65 MHz x dB: -26.00 dB

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

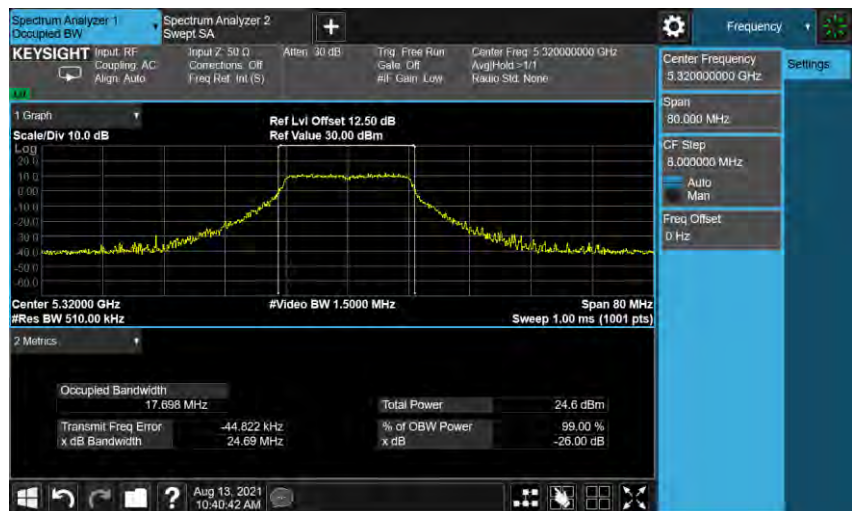
5260 MHz



5280 MHz

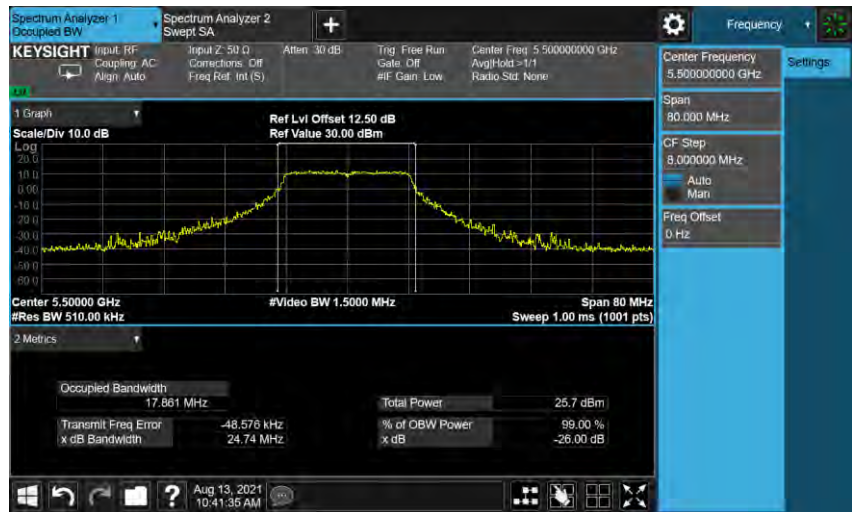


5320 MHz

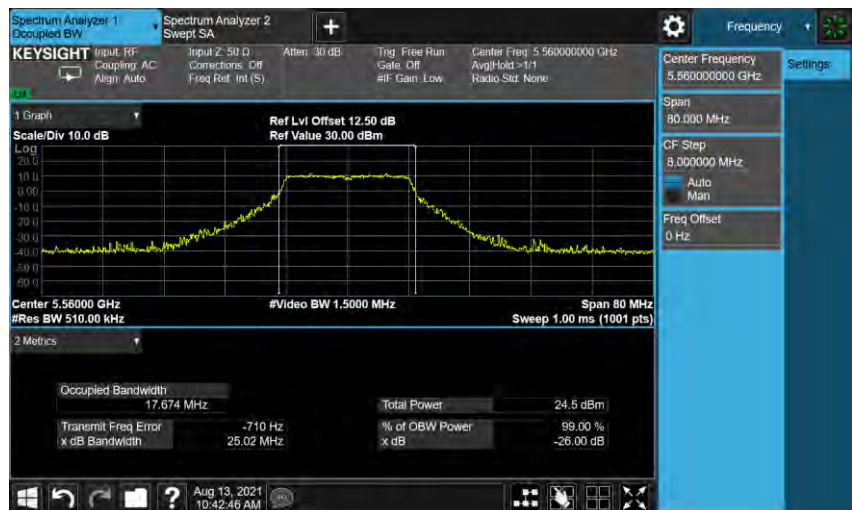


Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0

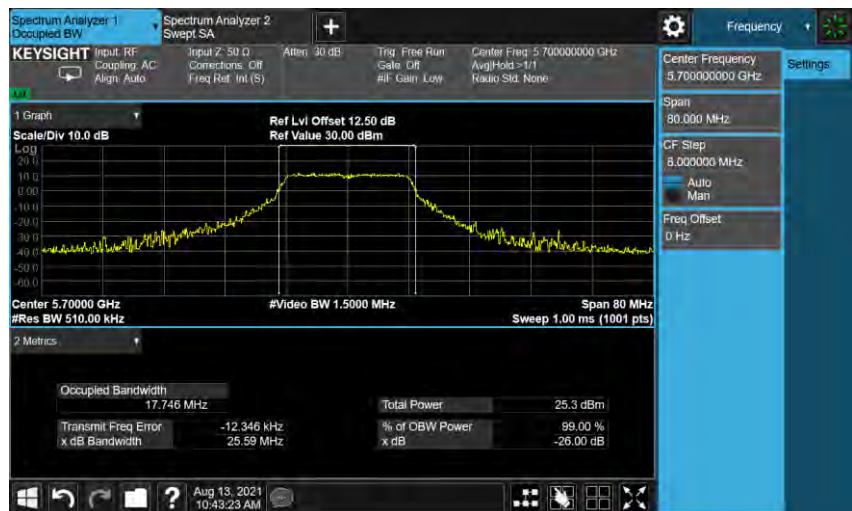
5500 MHz



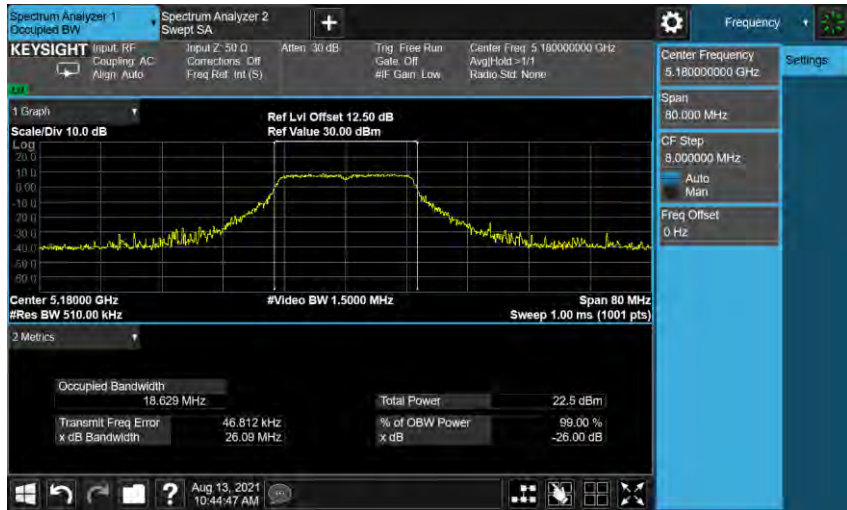
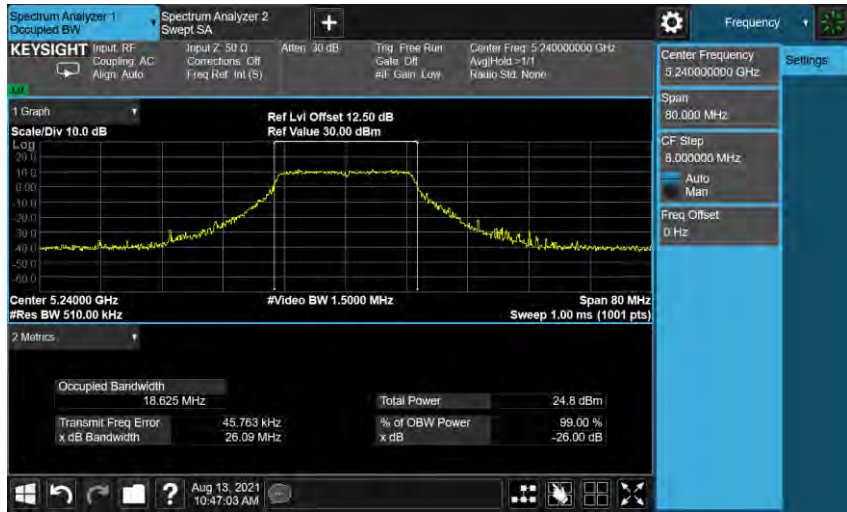
5560 MHz



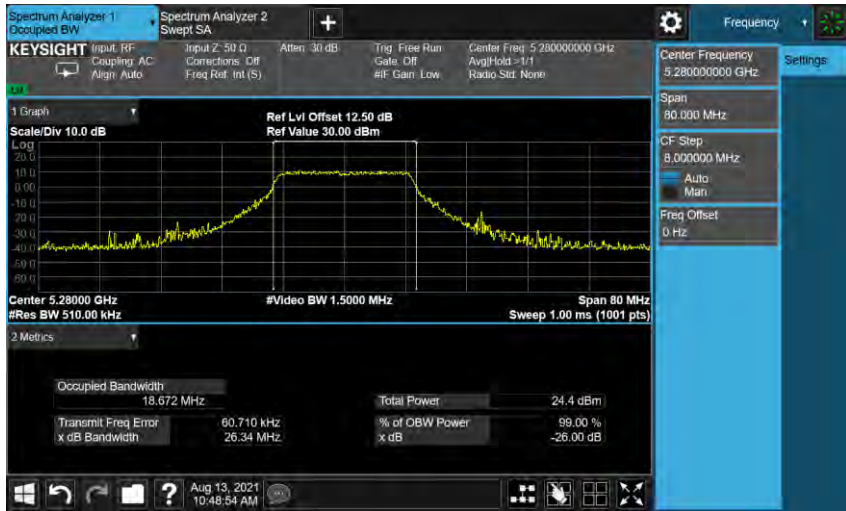
5700 MHz

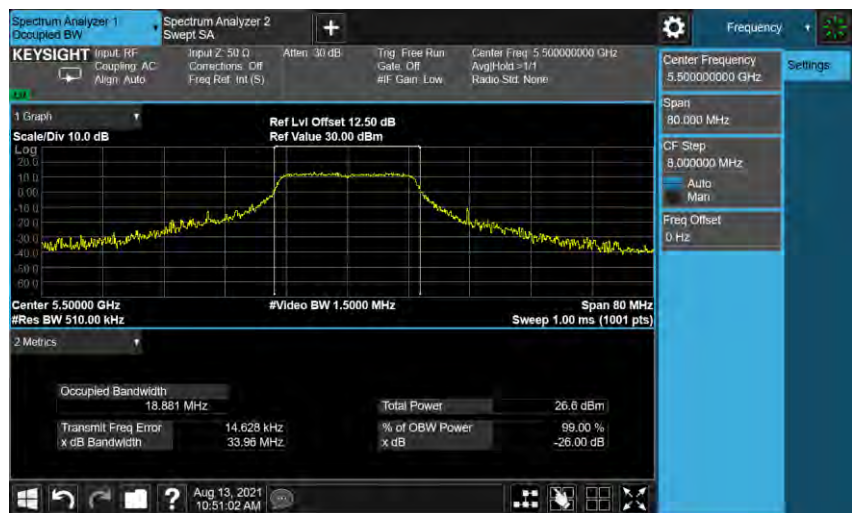
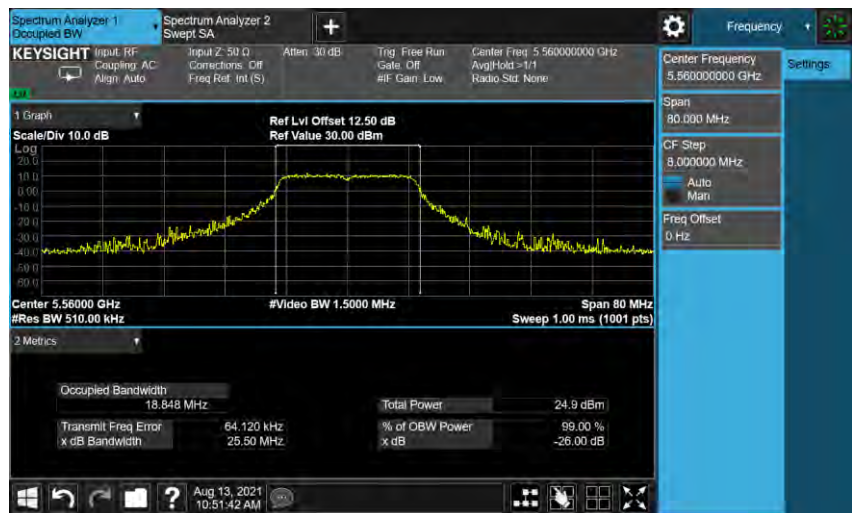


Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-0

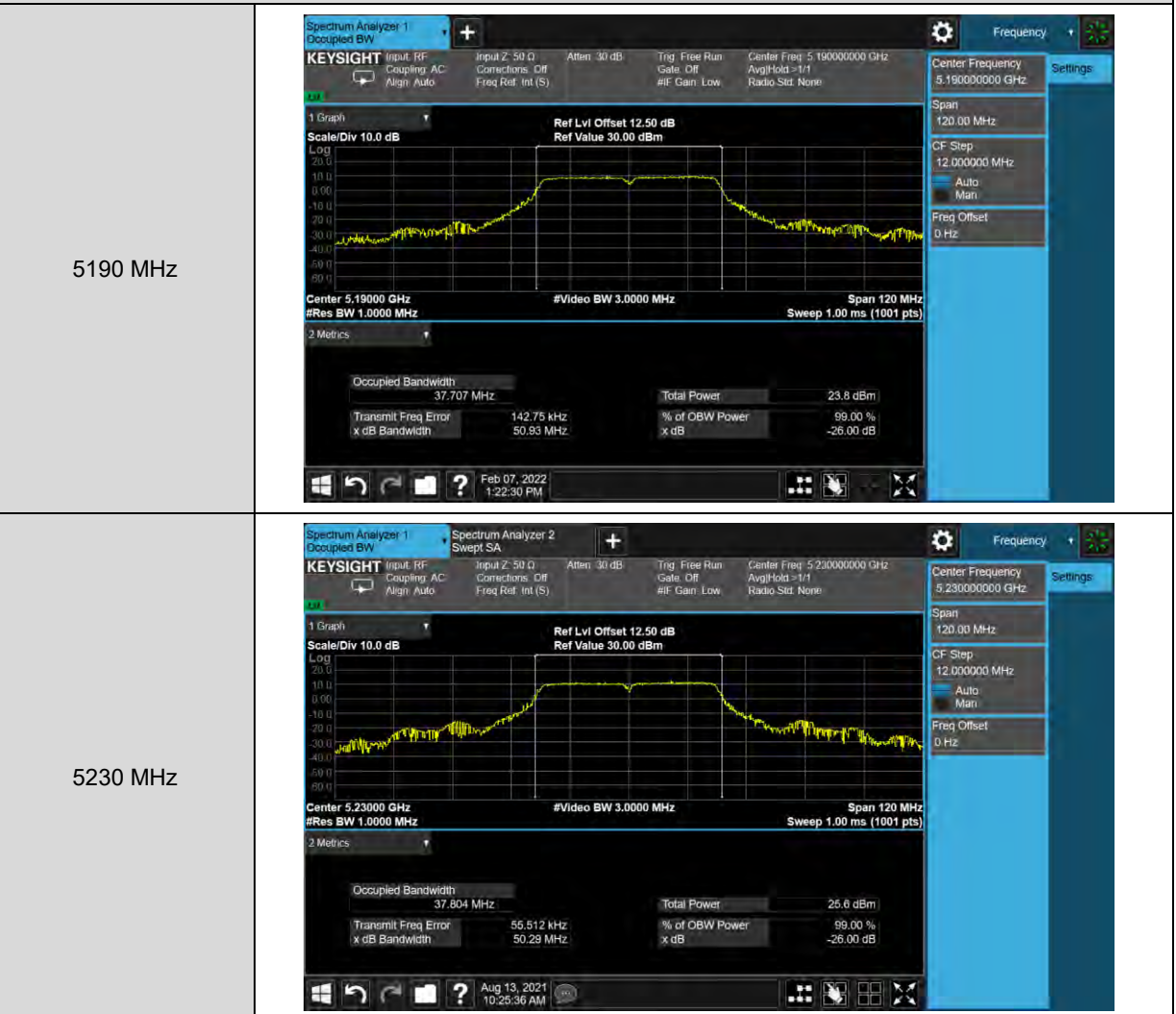
5180 MHz	
5200 MHz	
5240 MHz	

Mode 3: IEEE 802.11n 5 GHz 20 MHz 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 1 Graph Scale/Div 10.0 dB Ref Lvl Offset 12.50 dB Ref Value 30.00 dBm Center 5.26000 GHz #Res BW 510.00 kHz #Video BW 1.5000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>18.732 MHz</td><td>Total Power</td><td>23.7 dBm</td></tr><tr><td>Transmit Freq Error</td><td>85.929 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>25.77 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Aug 13, 2021 10:47:45 AM	Occupied Bandwidth	18.732 MHz	Total Power	23.7 dBm	Transmit Freq Error	85.929 kHz	% of OBW Power	99.00 %	x dB Bandwidth	25.77 MHz	x dB	-26.00 dB
Occupied Bandwidth	18.732 MHz	Total Power	23.7 dBm										
Transmit Freq Error	85.929 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	25.77 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 1 Graph Scale/Div 10.0 dB Ref Lvl Offset 12.50 dB Ref Value 30.00 dBm Center 5.28000 GHz #Res BW 510.00 kHz #Video BW 1.5000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>18.672 MHz</td><td>Total Power</td><td>24.4 dBm</td></tr><tr><td>Transmit Freq Error</td><td>60.710 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>26.34 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Aug 13, 2021 10:48:54 AM	Occupied Bandwidth	18.672 MHz	Total Power	24.4 dBm	Transmit Freq Error	60.710 kHz	% of OBW Power	99.00 %	x dB Bandwidth	26.34 MHz	x dB	-26.00 dB
Occupied Bandwidth	18.672 MHz	Total Power	24.4 dBm										
Transmit Freq Error	60.710 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	26.34 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 1 Graph Scale/Div 10.0 dB Ref Lvl Offset 12.50 dB Ref Value 30.00 dBm Center 5.32000 GHz #Res BW 510.00 kHz #Video BW 1.5000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>18.673 MHz</td><td>Total Power</td><td>23.4 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-138 Hz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>25.74 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Aug 13, 2021 10:49:32 AM	Occupied Bandwidth	18.673 MHz	Total Power	23.4 dBm	Transmit Freq Error	-138 Hz	% of OBW Power	99.00 %	x dB Bandwidth	25.74 MHz	x dB	-26.00 dB
Occupied Bandwidth	18.673 MHz	Total Power	23.4 dBm										
Transmit Freq Error	-138 Hz	% of OBW Power	99.00 %										
x dB Bandwidth	25.74 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: Occupied BW Center Frequency: 5.50000000 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 5.50000 GHz #Res BW 510.00 kHz #Video BW 1.5000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>18.881 MHz</td><td>Total Power</td><td>26.6 dBm</td></tr><tr><td>Transmit Freq Error</td><td>14.628 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>33.96 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Aug 13, 2021 10:51:02 AM	Occupied Bandwidth	18.881 MHz	Total Power	26.6 dBm	Transmit Freq Error	14.628 kHz	% of OBW Power	99.00 %	x dB Bandwidth	33.96 MHz	x dB	-26.00 dB
Occupied Bandwidth	18.881 MHz	Total Power	26.6 dBm										
Transmit Freq Error	14.628 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	33.96 MHz	x dB	-26.00 dB										
5560 MHz	 Keysight Spectrum Analyzer 1: Occupied BW Center Frequency: 5.56000000 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 5.56000 GHz #Res BW 510.00 kHz #Video BW 1.5000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>18.848 MHz</td><td>Total Power</td><td>24.9 dBm</td></tr><tr><td>Transmit Freq Error</td><td>64.120 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>25.50 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Aug 13, 2021 10:51:42 AM	Occupied Bandwidth	18.848 MHz	Total Power	24.9 dBm	Transmit Freq Error	64.120 kHz	% of OBW Power	99.00 %	x dB Bandwidth	25.50 MHz	x dB	-26.00 dB
Occupied Bandwidth	18.848 MHz	Total Power	24.9 dBm										
Transmit Freq Error	64.120 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	25.50 MHz	x dB	-26.00 dB										
5700 MHz	 Keysight Spectrum Analyzer 1: Occupied BW Center Frequency: 5.70000000 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 5.70000 GHz #Res BW 510.00 kHz #Video BW 1.5000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>18.625 MHz</td><td>Total Power</td><td>21.6 dBm</td></tr><tr><td>Transmit Freq Error</td><td>65.432 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>25.47 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Aug 13, 2021 10:52:59 AM	Occupied Bandwidth	18.625 MHz	Total Power	21.6 dBm	Transmit Freq Error	65.432 kHz	% of OBW Power	99.00 %	x dB Bandwidth	25.47 MHz	x dB	-26.00 dB
Occupied Bandwidth	18.625 MHz	Total Power	21.6 dBm										
Transmit Freq Error	65.432 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	25.47 MHz	x dB	-26.00 dB										

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



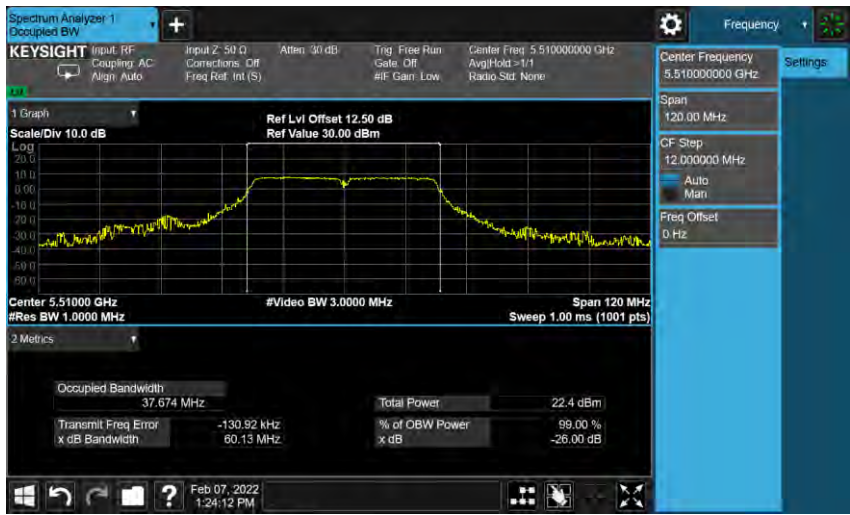
Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-0

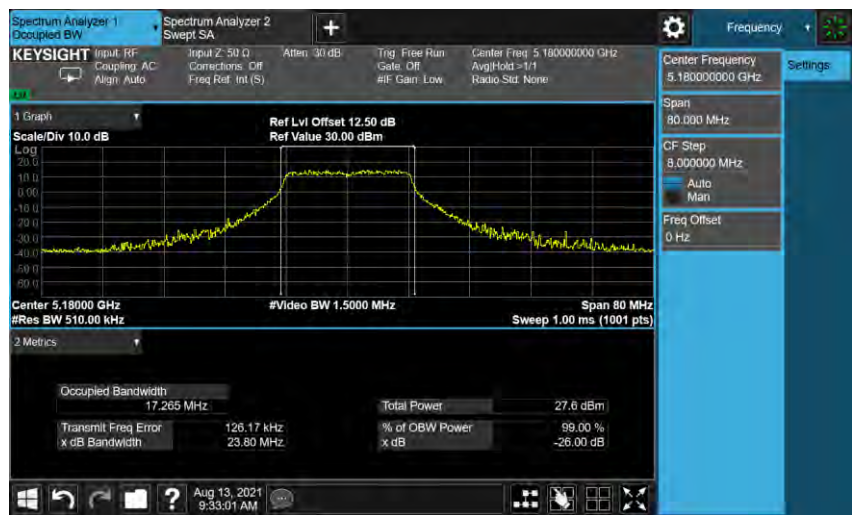
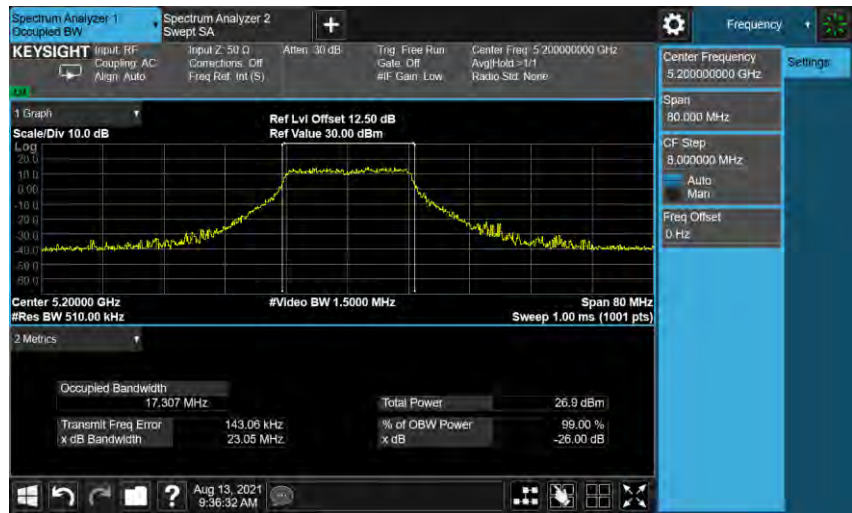
5270 MHz

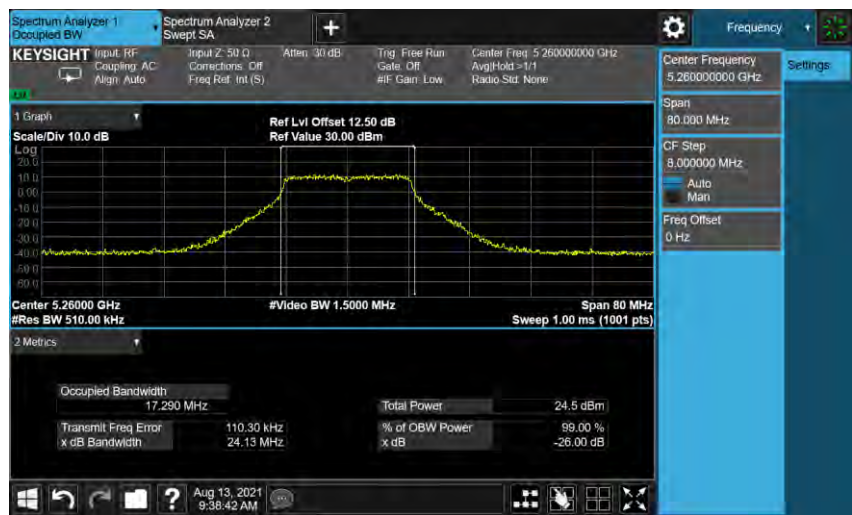
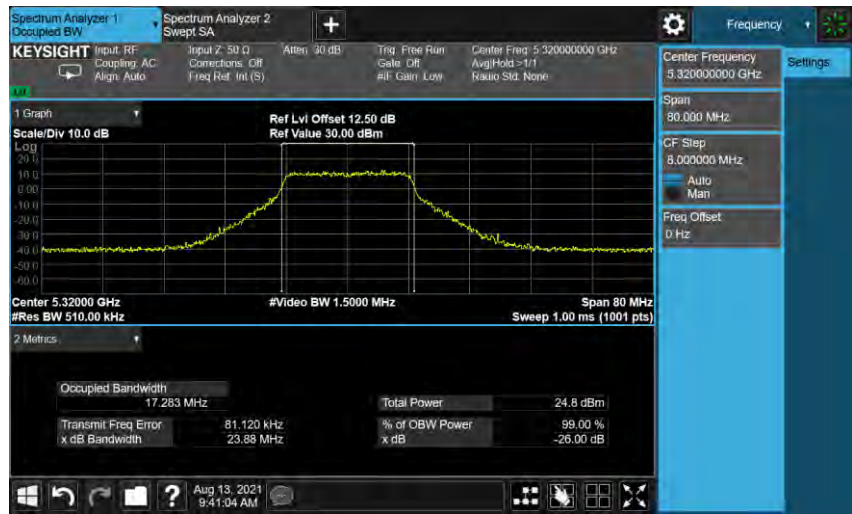


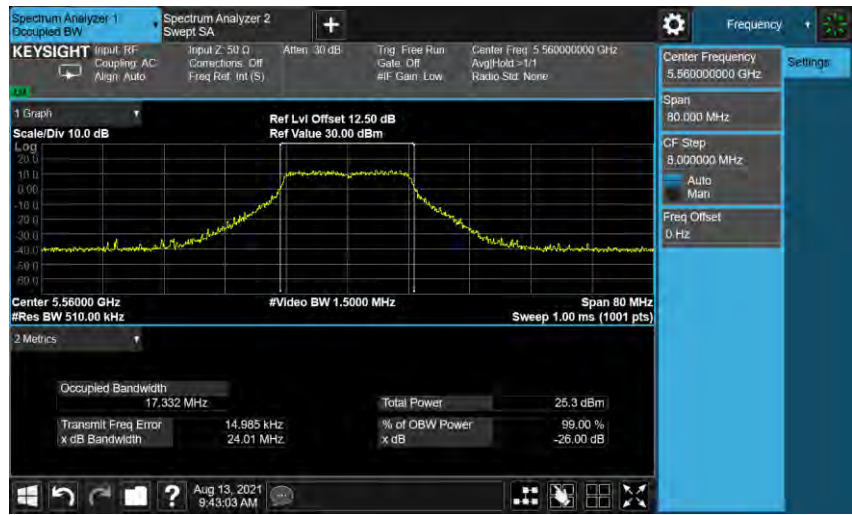
5310 MHz

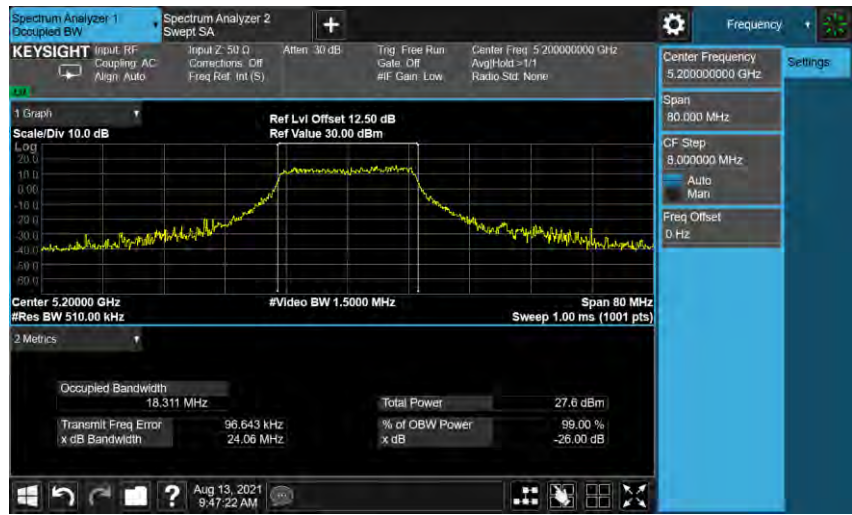
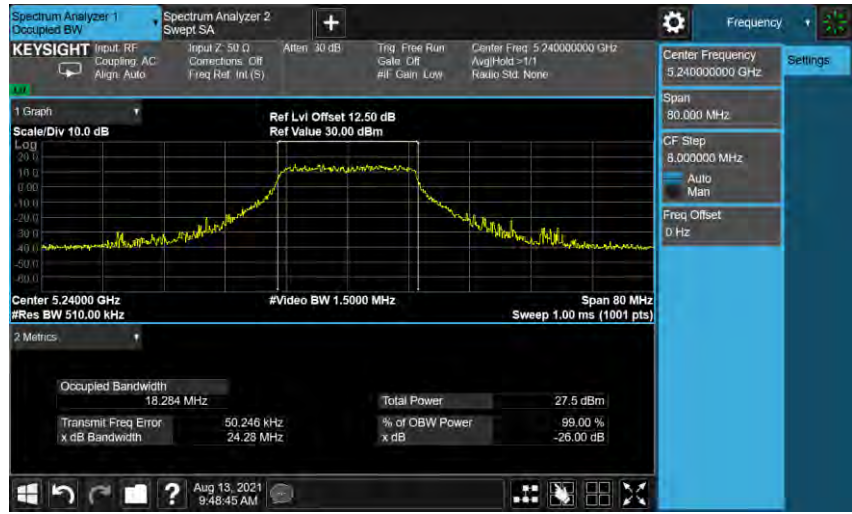


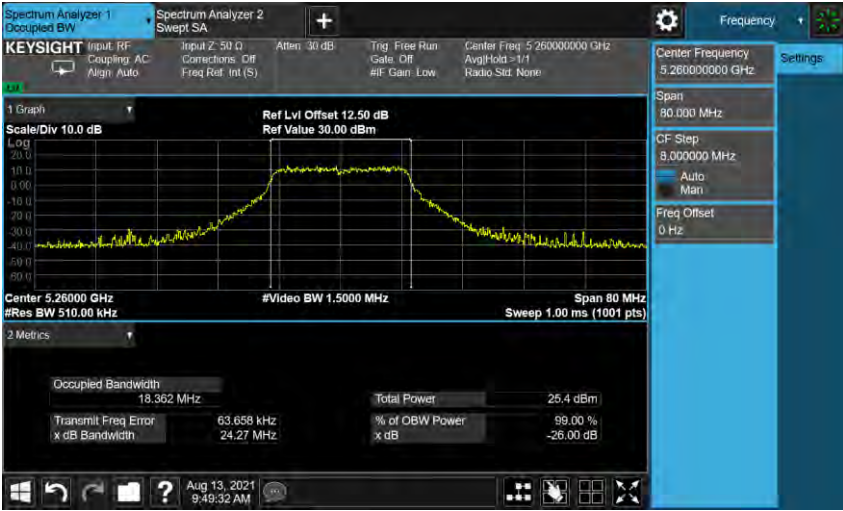
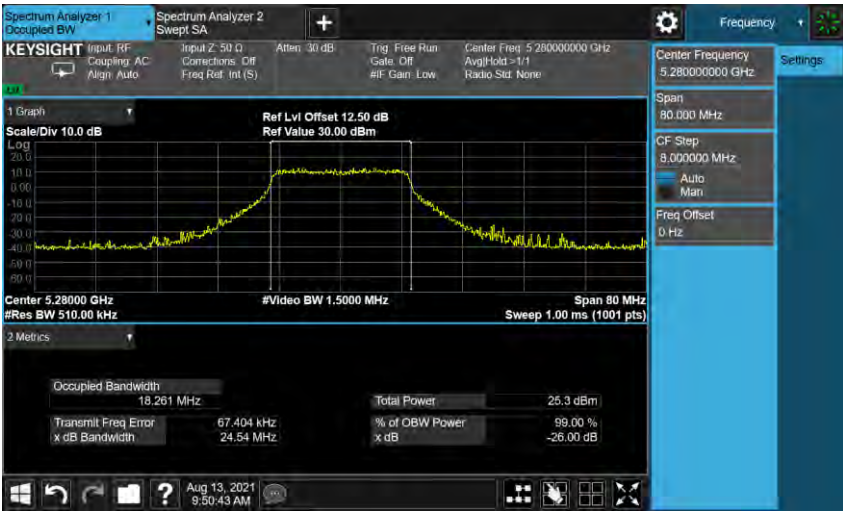
Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-0	
5510 MHz	
5550 MHz	
5670 MHz	

Mode 2: IEEE 802.11a Continuous TX mode_ANT-1													
5180 MHz	 Keysight Spectrum Analyzer 1: Occupied BW Center Frequency: 5.18000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz 1 Graph: Scale/Div 10.0 dB, Ref Lvl Offset 12.50 dB, Ref Value 30.00 dBm 2 Metrics: <table><tr><td>Occupied Bandwidth</td><td>17.265 MHz</td><td>Total Power</td><td>27.6 dBm</td></tr><tr><td>Transmit Freq Error</td><td>126.17 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>23.80 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	17.265 MHz	Total Power	27.6 dBm	Transmit Freq Error	126.17 kHz	% of OBW Power	99.00 %	x dB Bandwidth	23.80 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.265 MHz	Total Power	27.6 dBm										
Transmit Freq Error	126.17 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	23.80 MHz	x dB	-26.00 dB										
5200 MHz	 Keysight Spectrum Analyzer 1: Occupied BW Center Frequency: 5.20000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz 1 Graph: Scale/Div 10.0 dB, Ref Lvl Offset 12.50 dB, Ref Value 30.00 dBm 2 Metrics: <table><tr><td>Occupied Bandwidth</td><td>17.307 MHz</td><td>Total Power</td><td>26.9 dBm</td></tr><tr><td>Transmit Freq Error</td><td>143.06 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>23.05 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	17.307 MHz	Total Power	26.9 dBm	Transmit Freq Error	143.06 kHz	% of OBW Power	99.00 %	x dB Bandwidth	23.05 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.307 MHz	Total Power	26.9 dBm										
Transmit Freq Error	143.06 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	23.05 MHz	x dB	-26.00 dB										
5240 MHz	 Keysight Spectrum Analyzer 1: Occupied BW Center Frequency: 5.24000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz 1 Graph: Scale/Div 10.0 dB, Ref Lvl Offset 12.50 dB, Ref Value 30.00 dBm 2 Metrics: <table><tr><td>Occupied Bandwidth</td><td>17.319 MHz</td><td>Total Power</td><td>27.8 dBm</td></tr><tr><td>Transmit Freq Error</td><td>123.46 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>23.67 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	17.319 MHz	Total Power	27.8 dBm	Transmit Freq Error	123.46 kHz	% of OBW Power	99.00 %	x dB Bandwidth	23.67 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.319 MHz	Total Power	27.8 dBm										
Transmit Freq Error	123.46 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	23.67 MHz	x dB	-26.00 dB										

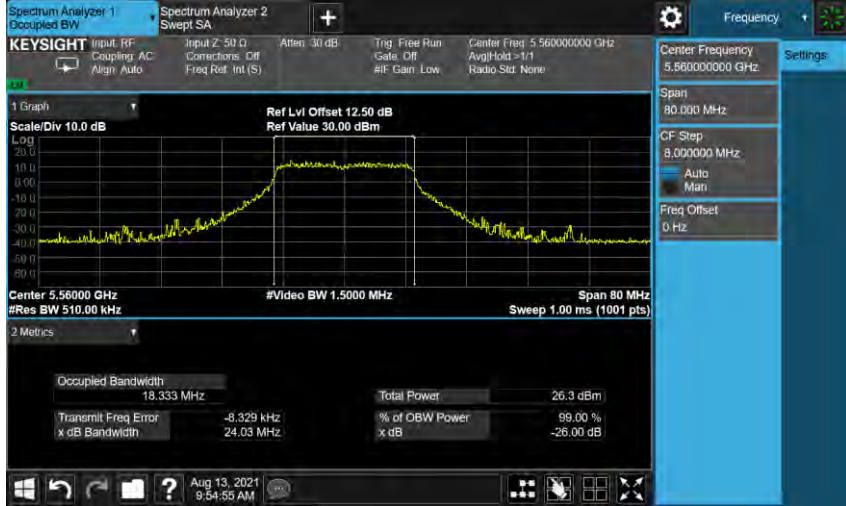
Mode 2: IEEE 802.11a Continuous TX mode_ANT-1													
5260 MHz	 Keysight Spectrum Analyzer 1: Occupied BW Center Frequency: 5.26000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Scale/Div: 10.0 dB Ref Lvl Offset: 12.50 dB Ref Value: 30.00 dBm #Video BW: 1.5000 MHz Span: 80 MHz Sweep: 1.00 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>17.290 MHz</td><td>Total Power</td><td>24.5 dBm</td></tr><tr><td>Transmit Freq Error</td><td>110.30 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>24.13 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Aug 13, 2021 9:38:42 AM	Occupied Bandwidth	17.290 MHz	Total Power	24.5 dBm	Transmit Freq Error	110.30 kHz	% of OBW Power	99.00 %	x dB Bandwidth	24.13 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.290 MHz	Total Power	24.5 dBm										
Transmit Freq Error	110.30 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	24.13 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 #Video BW: 1.5000 MHz Span: 80 MHz Sweep: 1.00 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>17.327 MHz</td><td>Total Power</td><td>24.6 dBm</td></tr><tr><td>Transmit Freq Error</td><td>124.04 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> Aug 13, 2021 9:39:27 AM	Occupied Bandwidth	17.327 MHz	Total Power	24.6 dBm	Transmit Freq Error	124.04 kHz	% of OBW Power	99.00 %	x dB Bandwidth	23.65 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.327 MHz	Total Power	24.6 dBm										
Transmit Freq Error	124.04 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	23.65 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 #Video BW: 1.5000 MHz Span: 80 MHz Sweep: 1.00 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>17.283 MHz</td><td>Total Power</td><td>24.8 dBm</td></tr><tr><td>Transmit Freq Error</td><td>81.120 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>23.88 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Aug 13, 2021 9:41:04 AM	Occupied Bandwidth	17.283 MHz	Total Power	24.8 dBm	Transmit Freq Error	81.120 kHz	% of OBW Power	99.00 %	x dB Bandwidth	23.88 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.283 MHz	Total Power	24.8 dBm										
Transmit Freq Error	81.120 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	23.88 MHz	x dB	-26.00 dB										

Mode 2: IEEE 802.11a Continuous TX mode_ANT-1													
5500 MHz	 Keysight Spectrum Analyzer 1: Occupied BW Center Frequency: 5.500000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz 1 Graph: Scale/Div 10.0 dB, Ref Lvl Offset 12.50 dB, Ref Value 30.00 dBm 2 Metrics: <table><tr><td>Occupied Bandwidth</td><td>17.412 MHz</td><td>Total Power</td><td>25.7 dBm</td></tr><tr><td>Transmit Freq Error</td><td>78.987 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>22.81 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Aug 13, 2021 9:41:58 AM	Occupied Bandwidth	17.412 MHz	Total Power	25.7 dBm	Transmit Freq Error	78.987 kHz	% of OBW Power	99.00 %	x dB Bandwidth	22.81 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.412 MHz	Total Power	25.7 dBm										
Transmit Freq Error	78.987 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	22.81 MHz	x dB	-26.00 dB										
5560 MHz	 Keysight Spectrum Analyzer 1: Occupied BW Center Frequency: 5.560000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz 1 Graph: Scale/Div 10.0 dB, Ref Lvl Offset 12.50 dB, Ref Value 30.00 dBm 2 Metrics: <table><tr><td>Occupied Bandwidth</td><td>17.332 MHz</td><td>Total Power</td><td>25.3 dBm</td></tr><tr><td>Transmit Freq Error</td><td>14.995 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>24.01 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Aug 13, 2021 9:43:03 AM	Occupied Bandwidth	17.332 MHz	Total Power	25.3 dBm	Transmit Freq Error	14.995 kHz	% of OBW Power	99.00 %	x dB Bandwidth	24.01 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.332 MHz	Total Power	25.3 dBm										
Transmit Freq Error	14.995 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	24.01 MHz	x dB	-26.00 dB										
5700 MHz	 Keysight Spectrum Analyzer 1: Occupied BW Center Frequency: 5.700000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz 1 Graph: Scale/Div 10.0 dB, Ref Lvl Offset 12.50 dB, Ref Value 30.00 dBm 2 Metrics: <table><tr><td>Occupied Bandwidth</td><td>17.220 MHz</td><td>Total Power</td><td>25.3 dBm</td></tr><tr><td>Transmit Freq Error</td><td>40.777 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>24.30 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Aug 13, 2021 9:43:38 AM	Occupied Bandwidth	17.220 MHz	Total Power	25.3 dBm	Transmit Freq Error	40.777 kHz	% of OBW Power	99.00 %	x dB Bandwidth	24.30 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.220 MHz	Total Power	25.3 dBm										
Transmit Freq Error	40.777 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	24.30 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: Occupied BW Center Frequency: 5.18000000 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: 5.18000 GHz #Res BW: 510.00 kHz #Video BW: 1.5000 MHz Span: 80 MHz Sweep: 1.00 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>18.348 MHz</td><td>Total Power</td><td>25.4 dBm</td></tr><tr><td>Transmit Freq Error</td><td>134.69 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>23.66 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Aug 13, 2021 9:46:39 AM	Occupied Bandwidth	18.348 MHz	Total Power	25.4 dBm	Transmit Freq Error	134.69 kHz	% of OBW Power	99.00 %	x dB Bandwidth	23.66 MHz	x dB	-26.00 dB
Occupied Bandwidth	18.348 MHz	Total Power	25.4 dBm										
Transmit Freq Error	134.69 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	23.66 MHz	x dB	-26.00 dB										
5200 MHz	 Keysight Spectrum Analyzer 1: Occupied BW Center Frequency: 5.20000000 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: 5.20000 GHz #Res BW: 510.00 kHz #Video BW: 1.5000 MHz Span: 80 MHz Sweep: 1.00 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>18.311 MHz</td><td>Total Power</td><td>27.6 dBm</td></tr><tr><td>Transmit Freq Error</td><td>96.643 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>24.06 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Aug 13, 2021 9:47:22 AM	Occupied Bandwidth	18.311 MHz	Total Power	27.6 dBm	Transmit Freq Error	96.643 kHz	% of OBW Power	99.00 %	x dB Bandwidth	24.06 MHz	x dB	-26.00 dB
Occupied Bandwidth	18.311 MHz	Total Power	27.6 dBm										
Transmit Freq Error	96.643 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	24.06 MHz	x dB	-26.00 dB										
5240 MHz	 Keysight Spectrum Analyzer 1: Occupied BW Center Frequency: 5.24000000 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: 5.24000 GHz #Res BW: 510.00 kHz #Video BW: 1.5000 MHz Span: 80 MHz Sweep: 1.00 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>18.284 MHz</td><td>Total Power</td><td>27.5 dBm</td></tr><tr><td>Transmit Freq Error</td><td>50.246 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>24.28 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Aug 13, 2021 9:48:45 AM	Occupied Bandwidth	18.284 MHz	Total Power	27.5 dBm	Transmit Freq Error	50.246 kHz	% of OBW Power	99.00 %	x dB Bandwidth	24.28 MHz	x dB	-26.00 dB
Occupied Bandwidth	18.284 MHz	Total Power	27.5 dBm										
Transmit Freq Error	50.246 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	24.28 MHz	x dB	-26.00 dB										

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	 Center 5.50000 GHz #Res BW 510.00 kHz #Video BW 1.5000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) <table><tr><td>Occupied Bandwidth</td><td>18.254 MHz</td><td>Total Power</td><td>26.8 dBm</td></tr><tr><td>Transmit Freq Error</td><td>16.174 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>24.19 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	18.254 MHz	Total Power	26.8 dBm	Transmit Freq Error	16.174 kHz	% of OBW Power	99.00 %	x dB Bandwidth	24.19 MHz	x dB	-26.00 dB
Occupied Bandwidth	18.254 MHz	Total Power	26.8 dBm										
Transmit Freq Error	16.174 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	24.19 MHz	x dB	-26.00 dB										
5560 MHz	 Center 5.56000 GHz #Res BW 510.00 kHz #Video BW 1.5000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) <table><tr><td>Occupied Bandwidth</td><td>18.333 MHz</td><td>Total Power</td><td>26.3 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-8.329 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>24.03 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	18.333 MHz	Total Power	26.3 dBm	Transmit Freq Error	-8.329 kHz	% of OBW Power	99.00 %	x dB Bandwidth	24.03 MHz	x dB	-26.00 dB
Occupied Bandwidth	18.333 MHz	Total Power	26.3 dBm										
Transmit Freq Error	-8.329 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	24.03 MHz	x dB	-26.00 dB										
5700 MHz	 Center 5.70000 GHz #Res BW 510.00 kHz #Video BW 1.5000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) <table><tr><td>Occupied Bandwidth</td><td>18.236 MHz</td><td>Total Power</td><td>22.1 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-853 Hz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>24.33 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Occupied Bandwidth	18.236 MHz	Total Power	22.1 dBm	Transmit Freq Error	-853 Hz	% of OBW Power	99.00 %	x dB Bandwidth	24.33 MHz	x dB	-26.00 dB
Occupied Bandwidth	18.236 MHz	Total Power	22.1 dBm										
Transmit Freq Error	-853 Hz	% of OBW Power	99.00 %										
x dB Bandwidth	24.33 MHz	x dB	-26.00 dB										

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

5190 MHz



5230 MHz





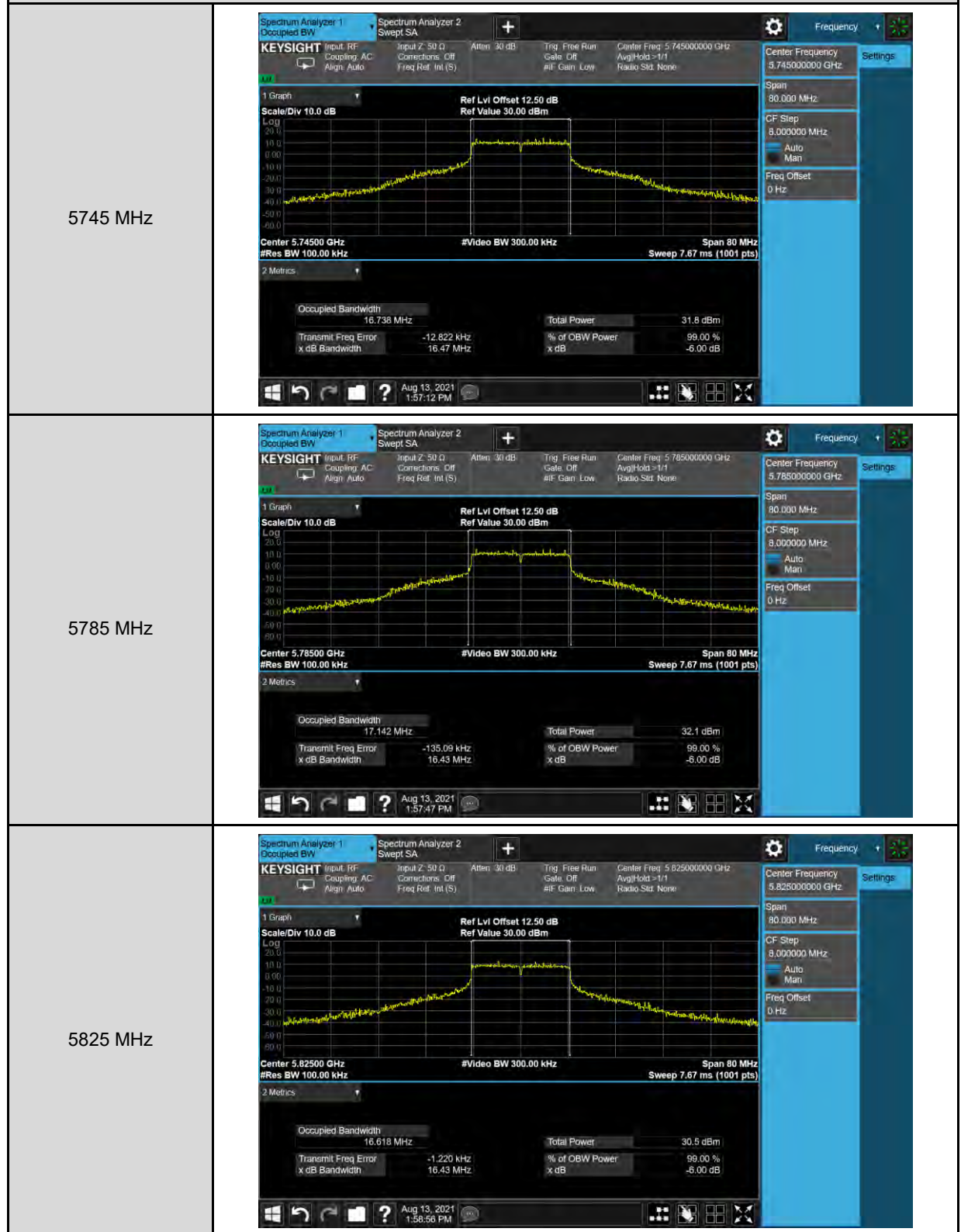
Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-1	
5510 MHz	 Center Frequency: 5.51000000 GHz Span: 120.00 MHz CF Step: 12.000000 MHz Auto Man Freq Offset: 0 Hz Occupied Bandwidth: 37.062 MHz Total Power: 20.9 dBm Transmit Freq Error: -17.842 kHz % of OBW Power: 99.00 % x dB Bandwidth: 48.08 MHz x dB: -26.00 dB Feb 07, 2022 1:18:48 PM
5550 MHz	 Center Frequency: 5.55000000 GHz Span: 120.00 MHz CF Step: 12.000000 MHz Auto Man Freq Offset: 0 Hz Occupied Bandwidth: 37.151 MHz Total Power: 25.1 dBm Transmit Freq Error: 2.459 kHz % of OBW Power: 99.00 % x dB Bandwidth: 47.57 MHz x dB: -26.00 dB Aug 13, 2021 10:04:27 AM
5670 MHz	 Center Frequency: 5.67000000 GHz Span: 120.00 MHz CF Step: 12.000000 MHz Auto Man Freq Offset: 0 Hz Occupied Bandwidth: 37.146 MHz Total Power: 23.7 dBm Transmit Freq Error: -86.633 kHz % of OBW Power: 99.00 % x dB Bandwidth: 47.07 MHz x dB: -26.00 dB Feb 07, 2022 1:20:00 PM

6 dB RF Bandwidth Measurement

Test Mode	Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
		Measurement Results (MHz)	Measurement Results (MHz)	
Mode 2	5745	16470	16420	≥ 500
	5785	16430	16450	≥ 500
	5825	16430	16410	≥ 500
Mode 3	5745	17650	17600	≥ 500
	5785	17670	17580	≥ 500
	5825	17660	17550	≥ 500
Mode 4	5755	35930	36050	≥ 500
	5795	35930	36070	≥ 500

Test Graphs

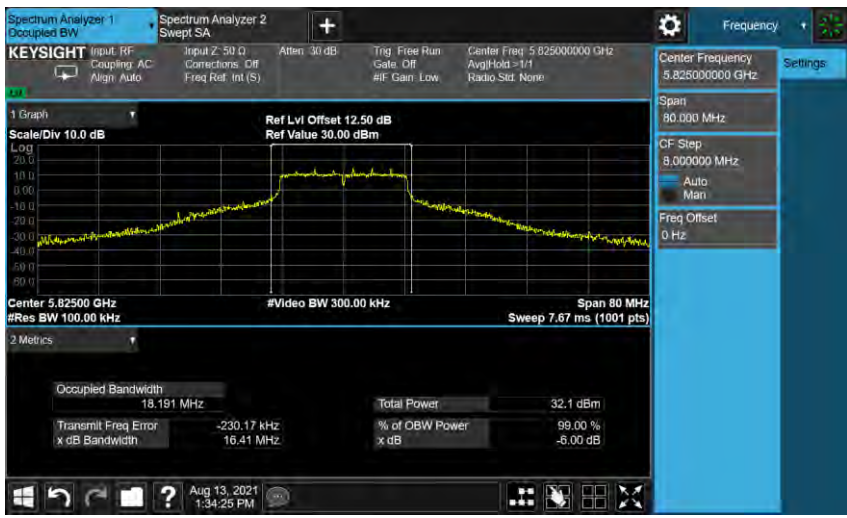
Mode 2: IEEE 802.11a Continuous TX mode_ANT-0



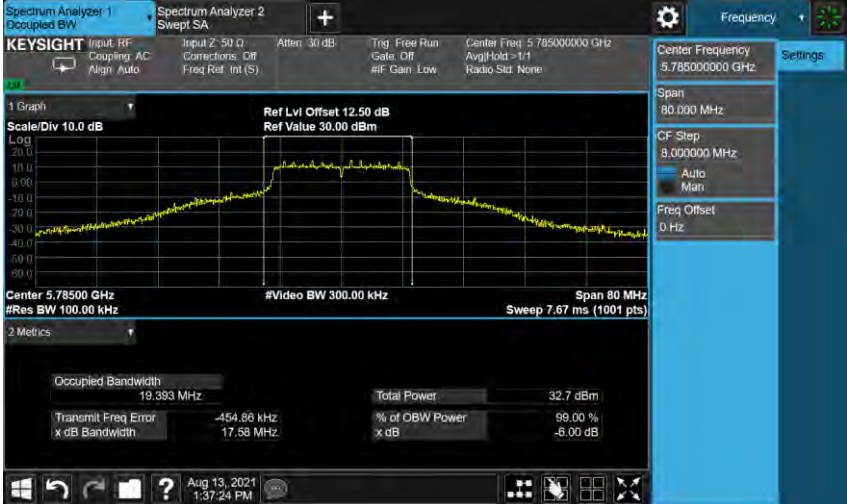
Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-0	
5745 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5745 MHz. The display includes a frequency plot with a peak at 5745 MHz, a scale/div of 10.0 dB, and a center frequency of 5.74500 GHz. The metrics section shows an occupied bandwidth of 17.869 MHz, total power of 32.0 dBm, and a transmit frequency error of 11.253 kHz.
5785 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5785 MHz. The display includes a frequency plot with a peak at 5785 MHz, a scale/div of 10.0 dB, and a center frequency of 5.78500 GHz. The metrics section shows an occupied bandwidth of 18.179 MHz, total power of 32.3 dBm, and a transmit frequency error of -117.27 kHz.
5825 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5825 MHz. The display includes a frequency plot with a peak at 5825 MHz, a scale/div of 10.0 dB, and a center frequency of 5.82500 GHz. The metrics section shows an occupied bandwidth of 17.823 MHz, total power of 31.1 dBm, and a transmit frequency error of -4.642 kHz.

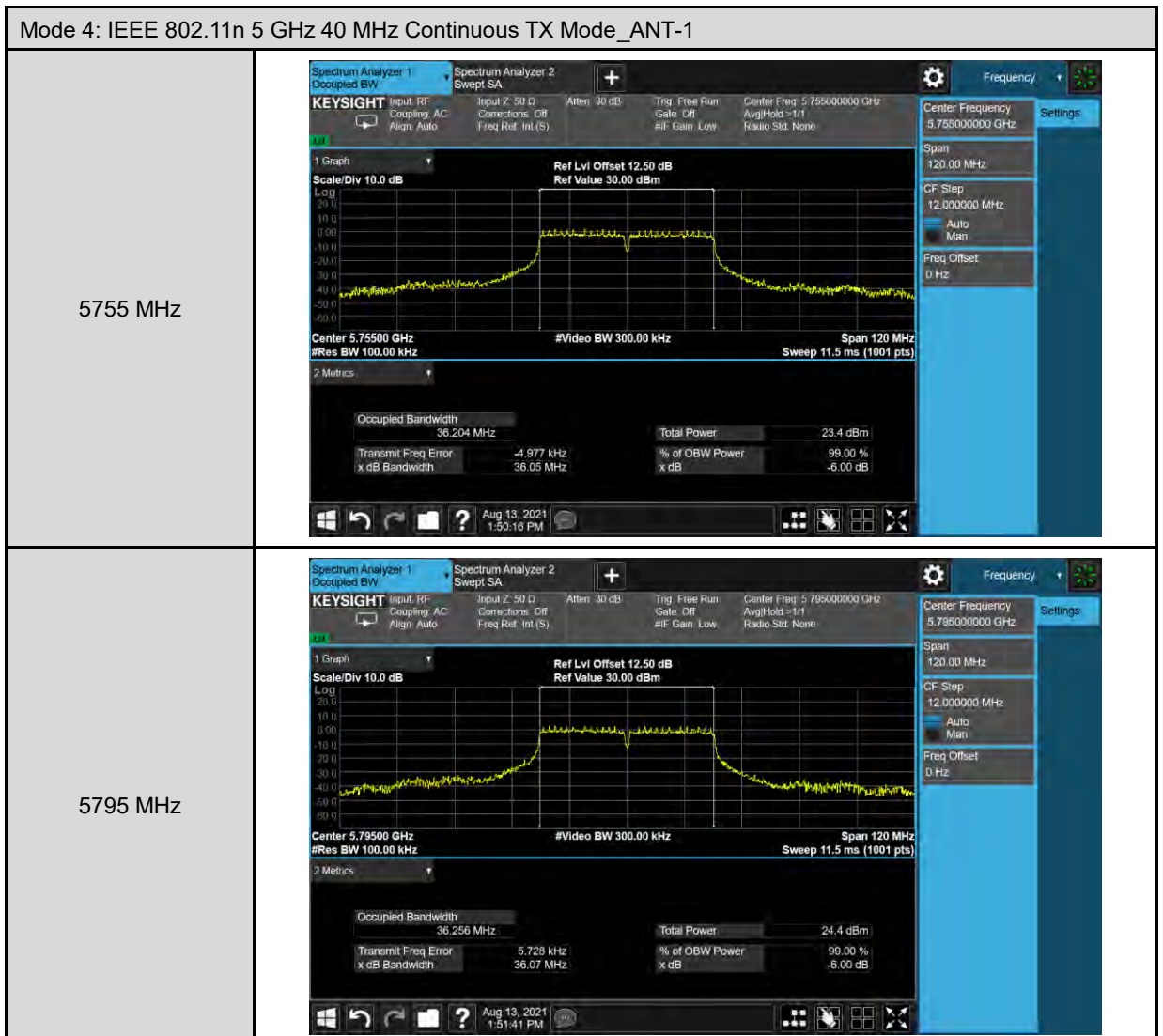


Mode 2: IEEE 802.11a Continuous TX mode _ANT-1

5745 MHz	 Center Frequency: 5.74500000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Auto Man Freq Offset: 0 Hz Center 5.74500 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 80 MHz Sweep 7.67 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>19.661 MHz</td><td>Total Power</td><td>33.4 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-420.93 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>16.42 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table> Aug 13, 2021 1:29:51 PM	Occupied Bandwidth	19.661 MHz	Total Power	33.4 dBm	Transmit Freq Error	-420.93 kHz	% of OBW Power	99.00 %	x dB Bandwidth	16.42 MHz	x dB	-6.00 dB
Occupied Bandwidth	19.661 MHz	Total Power	33.4 dBm										
Transmit Freq Error	-420.93 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	16.42 MHz	x dB	-6.00 dB										
5785 MHz	 Center Frequency: 5.78500000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Auto Man Freq Offset: 0 Hz Center 5.78500 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 80 MHz Sweep 7.67 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>18.985 MHz</td><td>Total Power</td><td>33.1 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-396.53 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>16.45 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table> Aug 13, 2021 1:32:27 PM	Occupied Bandwidth	18.985 MHz	Total Power	33.1 dBm	Transmit Freq Error	-396.53 kHz	% of OBW Power	99.00 %	x dB Bandwidth	16.45 MHz	x dB	-6.00 dB
Occupied Bandwidth	18.985 MHz	Total Power	33.1 dBm										
Transmit Freq Error	-396.53 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	16.45 MHz	x dB	-6.00 dB										
5825 MHz	 Center Frequency: 5.82500000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Auto Man Freq Offset: 0 Hz Center 5.82500 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 80 MHz Sweep 7.67 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>18.191 MHz</td><td>Total Power</td><td>32.1 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-230.17 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>16.41 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table> Aug 13, 2021 1:34:25 PM	Occupied Bandwidth	18.191 MHz	Total Power	32.1 dBm	Transmit Freq Error	-230.17 kHz	% of OBW Power	99.00 %	x dB Bandwidth	16.41 MHz	x dB	-6.00 dB
Occupied Bandwidth	18.191 MHz	Total Power	32.1 dBm										
Transmit Freq Error	-230.17 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	 Center Frequency: 5.74500000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Center Frequency: 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: 18.048 MHz Total Power: 31.5 dBm Transmit Freq Error: -84.496 kHz % of OBW Power: 99.00 % x dB Bandwidth: 17.60 MHz x dB: -6.00 dB Aug 13, 2021 1:36:41 PM
5785 MHz	 Center Frequency: 5.78500000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Center Frequency: 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: 19.393 MHz Total Power: 32.7 dBm Transmit Freq Error: -454.86 kHz % of OBW Power: 99.00 % x dB Bandwidth: 17.58 MHz x dB: -6.00 dB Aug 13, 2021 1:37:24 PM
5825 MHz	 Center Frequency: 5.82500000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Freq Offset: 0 Hz Center Frequency: 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: 18.678 MHz Total Power: 32.7 dBm Transmit Freq Error: -57.024 kHz % of OBW Power: 99.00 % x dB Bandwidth: 17.56 MHz x dB: -6.00 dB Aug 13, 2021 1:48:16 PM



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	7.215	0.042	7.257	8.619	0.042	8.661	≤ 16.00
	5200	8.091	0.042	8.133	9.086	0.042	9.128	≤ 16.00
	5240	8.471	0.042	8.513	9.651	0.042	9.693	≤ 16.00
	5260	4.887	0.042	4.929	6.793	0.042	6.835	≤ 10.00
	5280	6.144	0.042	6.186	5.604	0.042	5.646	≤ 10.00
	5320	6.665	0.042	6.707	7.180	0.042	7.222	≤ 10.00
	5500	7.667	0.042	7.709	7.978	0.042	8.020	≤ 11.00
	5560	7.119	0.042	7.161	7.289	0.042	7.331	≤ 11.00
	5700	6.826	0.042	6.868	7.634	0.042	7.676	≤ 11.00

	Frequency (MHz)	ANT-0+1	Limit (dBm/MHz)
		(dBm/MHz)	
Mode 2	5180	11.026	≤ 16.00
	5200	11.670	≤ 16.00
	5240	12.154	≤ 16.00
	5260	8.997	≤ 10.00
	5280	8.935	≤ 10.00
	5320	9.983	≤ 10.00
	5500	10.878	≤ 11.00
	5560	10.258	≤ 11.00
	5700	10.302	≤ 11.00

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

	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)	
Mode 2	5745	4.582	0.042	11.614	5.651	0.042	12.683	≤ 30.00
	5785	4.830	0.042	11.862	5.270	0.042	12.302	≤ 30.00
	5825	3.959	0.042	10.991	5.590	0.042	12.622	≤ 30.00

	Frequency (MHz)	ANT-0+1	Limit (dBm/500 kHz)
		Calculated (dBm/500 kHz)	
Mode 2	5745	15.192	≤ 30.00
	5785	15.098	≤ 30.00
	5825	14.893	≤ 30.00

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

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

	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	6.556	0.157	6.713	7.514	0.157	7.671	≤ 16.00
	5200	7.611	0.157	7.768	9.086	0.157	9.243	≤ 16.00
	5240	8.013	0.157	8.170	9.194	0.157	9.351	≤ 16.00
	5260	5.760	0.157	5.917	6.665	0.157	6.822	≤ 10.00
	5280	6.400	0.157	6.557	6.761	0.157	6.918	≤ 10.00
	5320	5.180	0.157	5.337	5.516	0.157	5.673	≤ 10.00
	5500	7.778	0.157	7.935	7.719	0.157	7.876	≤ 11.00
	5560	7.042	0.157	7.199	7.416	0.157	7.573	≤ 11.00
	5700	3.930	0.157	4.087	3.591	0.157	3.748	≤ 11.00

	Frequency (MHz)	ANT-0+1	Limit (dBm/MHz)
		(dBm/MHz)	
Mode 3	5180	10.229	≤ 16.00
	5200	11.578	≤ 16.00
	5240	11.811	≤ 16.00
	5260	9.403	≤ 10.00
	5280	9.752	≤ 10.00
	5320	8.519	≤ 10.00
	5500	10.916	≤ 11.00
	5560	10.400	≤ 11.00
	5700	6.931	≤ 11.00

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

	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)	
Mode 3	5745	4.093	0.157	11.240	4.060	0.157	11.207	≤ 30.00
	5785	4.998	0.157	12.145	4.845	0.157	11.992	≤ 30.00
	5825	3.737	0.157	10.884	4.606	0.157	11.753	≤ 30.00

	Frequency (MHz)	ANT-0+1	Limit (dBm/500 kHz)
		Calculated (dBm/500 kHz)	
Mode 3	5745	14.234	≤ 30.00
	5785	15.079	≤ 30.00
	5825	14.350	≤ 30.00

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

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

	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	1.335	0.209	1.544	3.076	0.209	3.285	≤ 16.00
	5230	3.652	0.209	3.861	4.613	0.209	4.822	≤ 16.00
	5270	4.472	0.209	4.681	4.491	0.209	4.700	≤ 10.00
	5310	3.005	0.209	3.214	3.212	0.209	3.421	≤ 10.00
	5510	-1.052	0.209	-0.843	0.125	0.209	0.334	≤ 11.00
	5550	1.859	0.209	2.068	2.056	0.209	2.265	≤ 11.00
	5670	1.231	0.209	1.440	1.741	0.209	1.950	≤ 11.00

	Frequency (MHz)	ANT-0+1	Limit (dBm/MHz)
		(dBm/MHz)	
Mode 4	5190	5.512	≤ 16.00
	5230	7.378	≤ 16.00
	5270	7.701	≤ 10.00
	5310	6.329	≤ 10.00
	5510	2.796	≤ 11.00
	5550	5.178	≤ 11.00
	5670	4.713	≤ 11.00

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

	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)	
Mode 4	5755	-7.563	0.209	-0.364	-7.394	0.209	-0.195	≤ 30.00
	5795	-6.233	0.209	0.966	-6.206	0.209	0.993	≤ 30.00

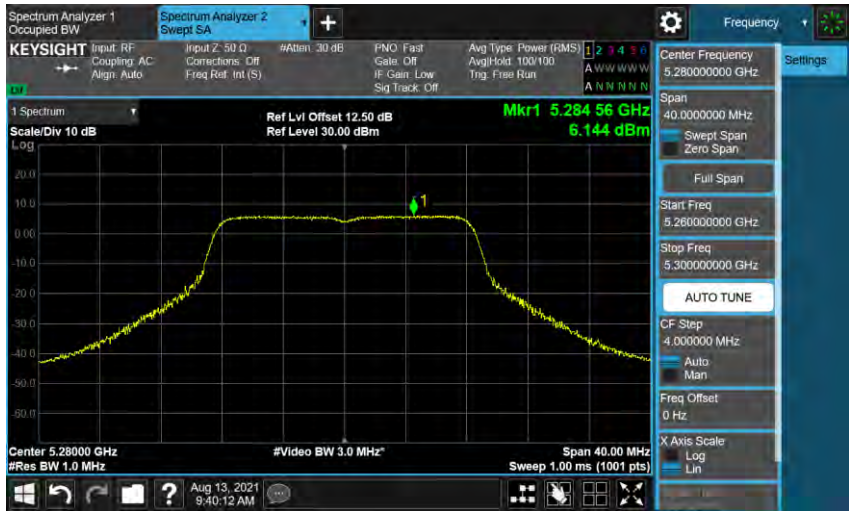
	Frequency (MHz)	ANT-0+1	Limit (dBm/500 kHz)
		Calculated (dBm/500 kHz)	
Mode 4	5755	2.731	≤ 30.00
	5795	3.990	≤ 30.00

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

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

Test Graphs

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

Mode 2: IEEE 802.11a Continuous TX mode_ANT-0	
5260 MHz	
5280 MHz	
5320 MHz	

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

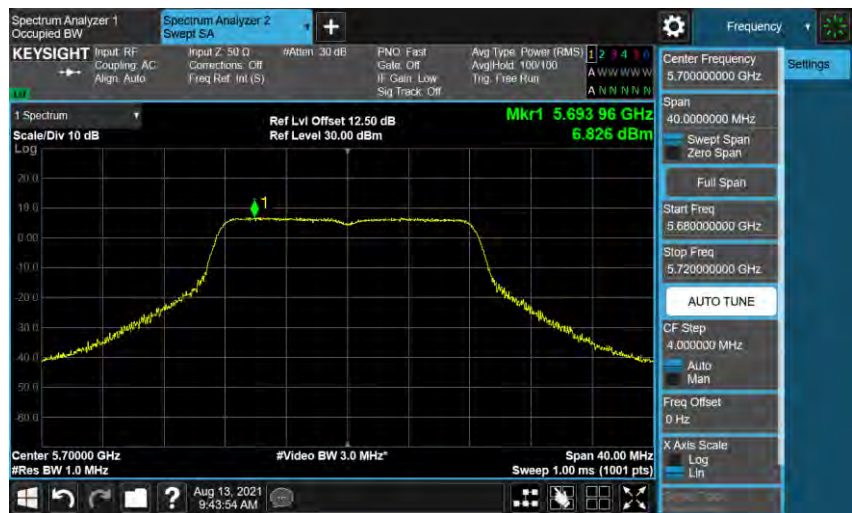
5500 MHz

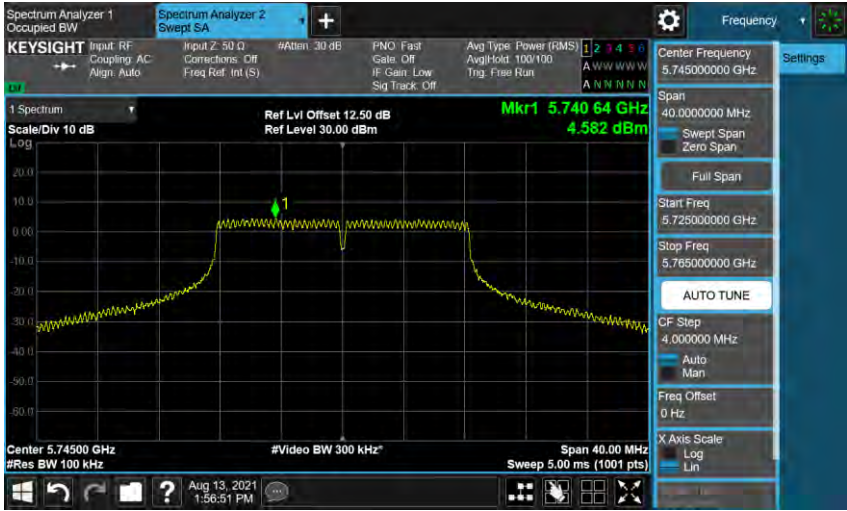
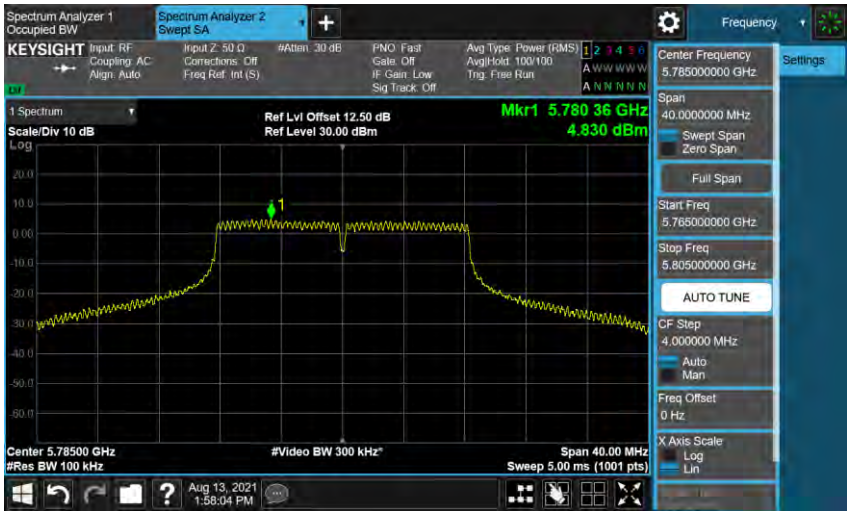
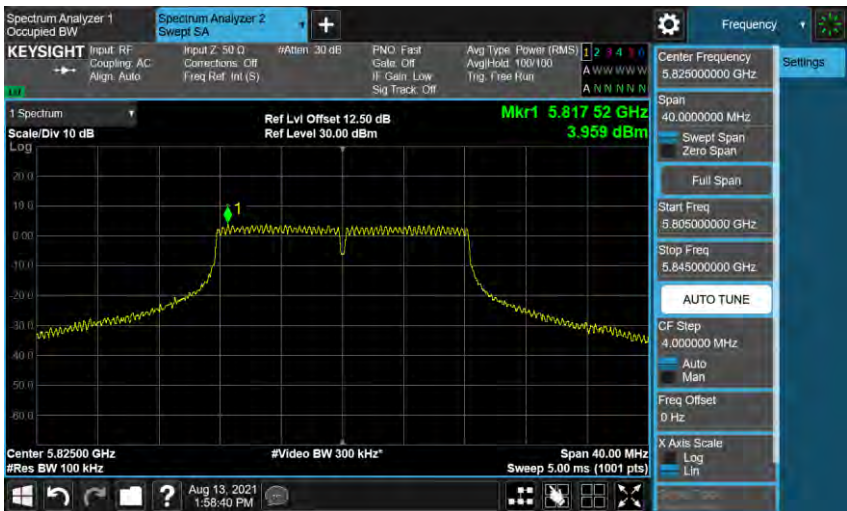


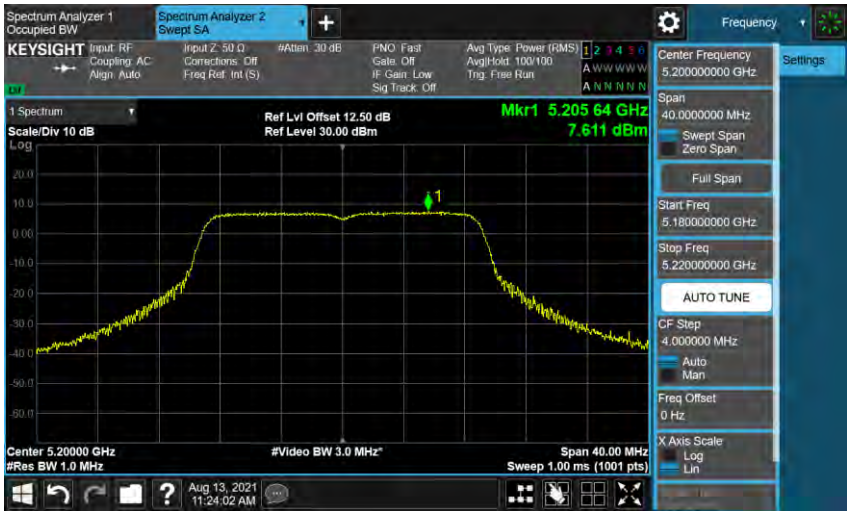
5560 MHz

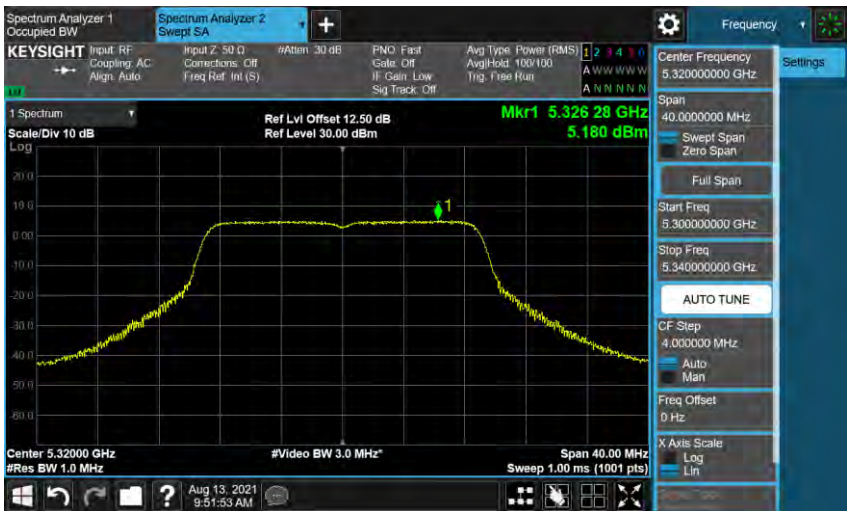


5700 MHz



Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0	
5745 MHz	
5785 MHz	
5825 MHz	

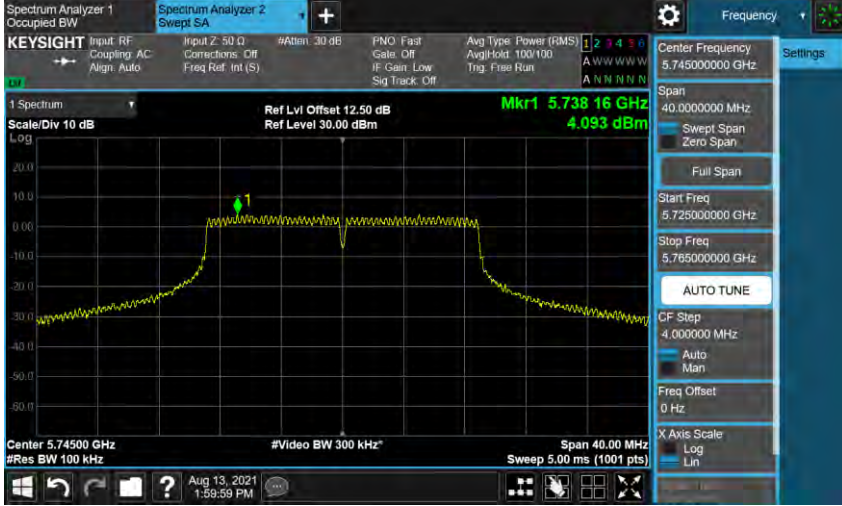
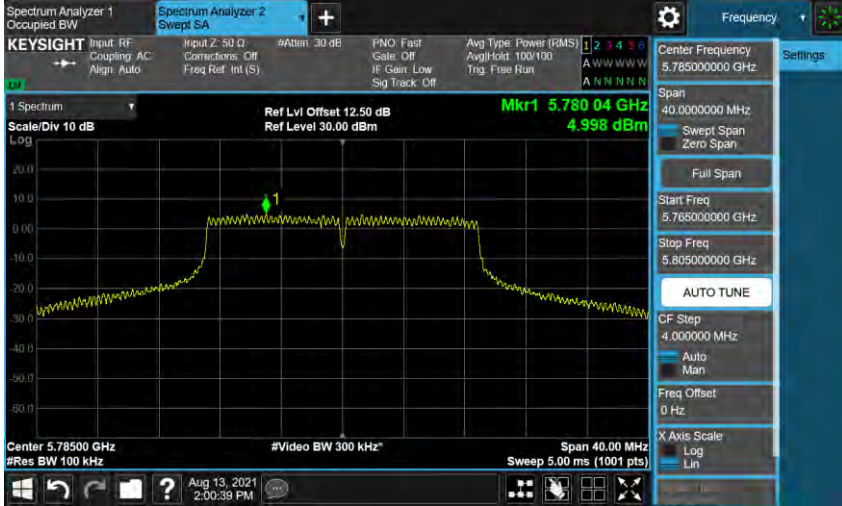
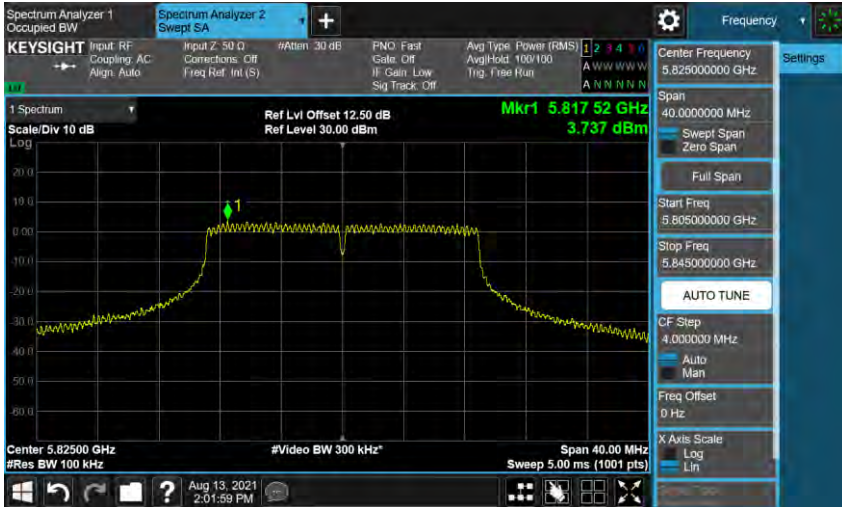
Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-0	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-0	
5260 MHz	 The screenshot shows a Keysight Spectrum Analyzer interface. The main display shows a spectrum plot with a yellow trace. A marker 'Mkr1' is placed at 5.26476 GHz with a power level of 5.760 dBm. The center frequency is 5.26000 GHz, and the span is 40.00 MHz. The resolution bandwidth is 3.0 MHz. The plot shows a flat signal across the 20 MHz channel.
5280 MHz	 The screenshot shows a Keysight Spectrum Analyzer interface. The main display shows a spectrum plot with a yellow trace. A marker 'Mkr1' is placed at 5.27532 GHz with a power level of 6.400 dBm. The center frequency is 5.28000 GHz, and the span is 40.00 MHz. The resolution bandwidth is 3.0 MHz. The plot shows a flat signal across the 20 MHz channel.
5320 MHz	 The screenshot shows a Keysight Spectrum Analyzer interface. The main display shows a spectrum plot with a yellow trace. A marker 'Mkr1' is placed at 5.32628 GHz with a power level of 5.180 dBm. The center frequency is 5.32000 GHz, and the span is 40.00 MHz. The resolution bandwidth is 3.0 MHz. The plot shows a flat signal across the 20 MHz channel.

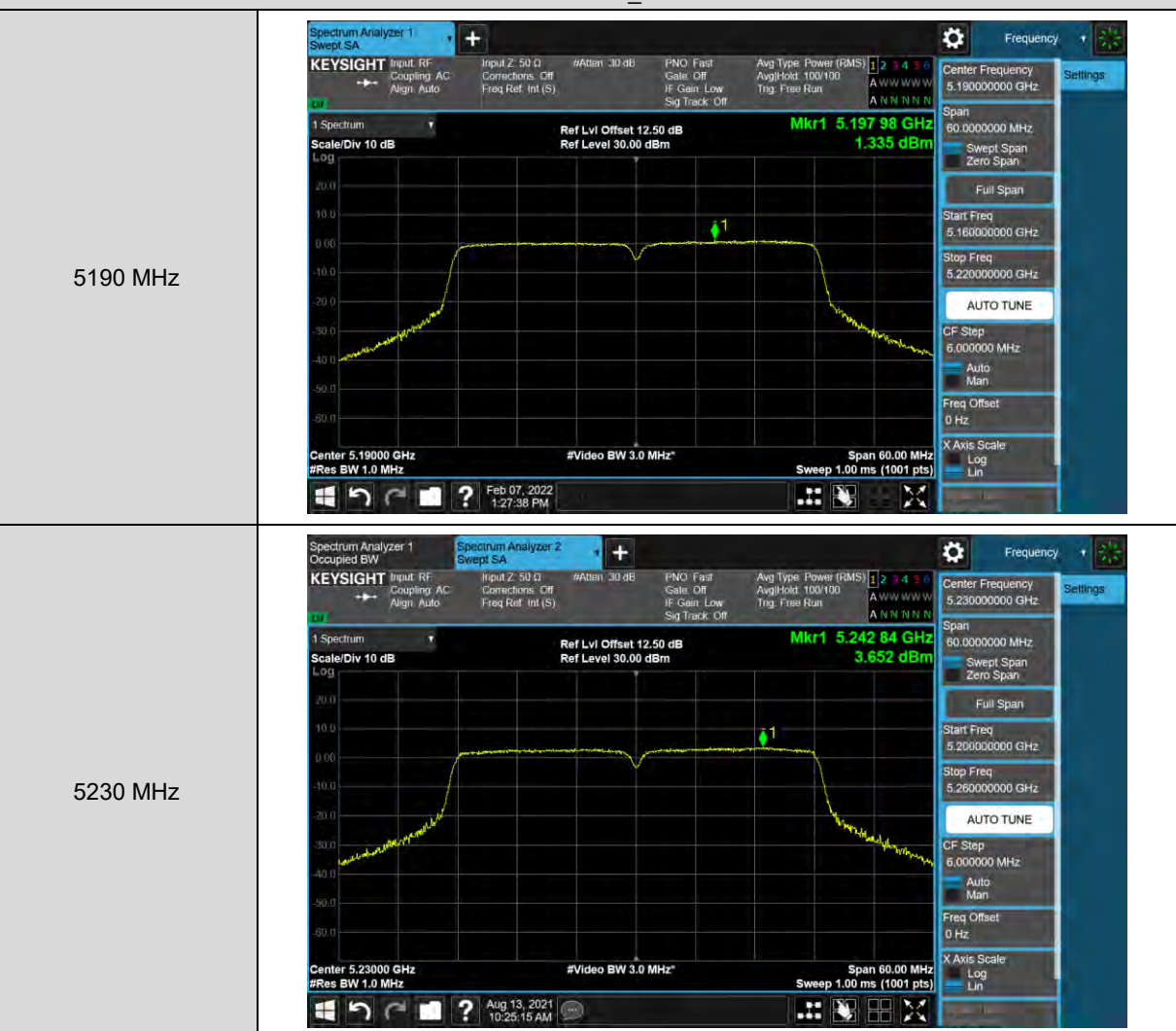
Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-0

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

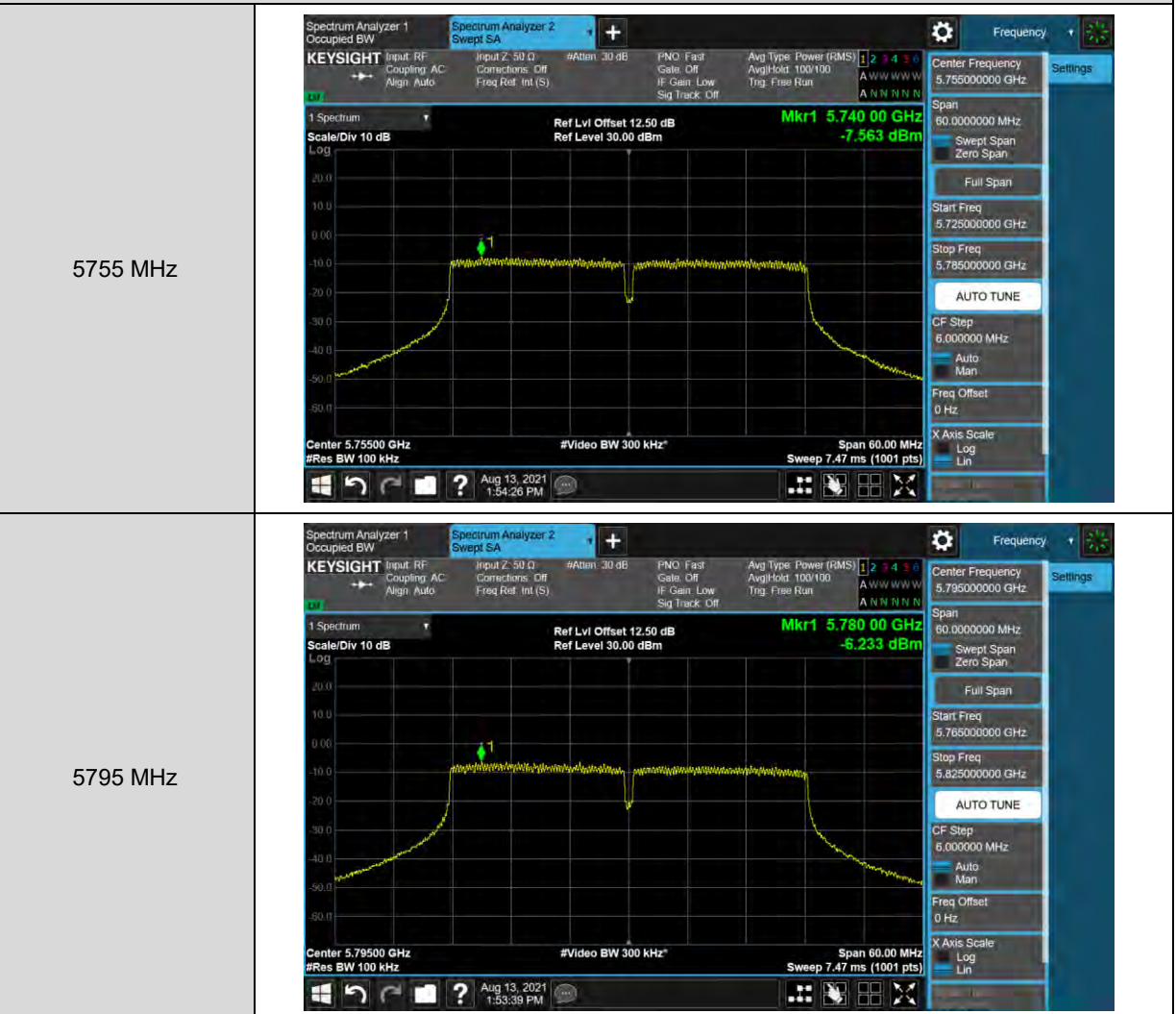




Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-0

5510 MHz	
5550 MHz	
5670 MHz	

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

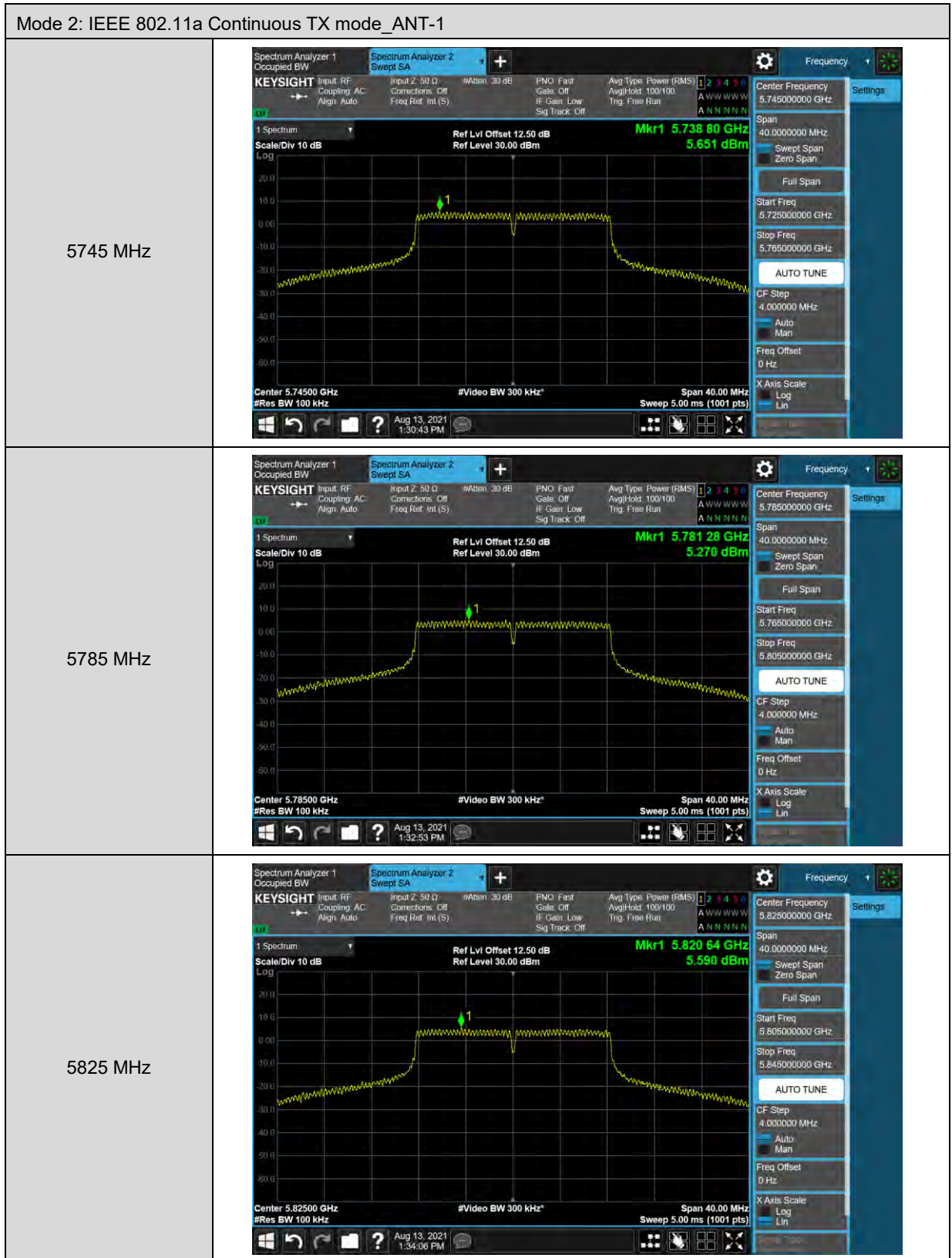


Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 2: IEEE 802.11a Continuous TX mode_ANT-1	
5260 MHz	
5280 MHz	
5320 MHz	

Mode 2: IEEE 802.11a Continuous TX mode_ANT-1

5500 MHz	
5560 MHz	
5700 MHz	

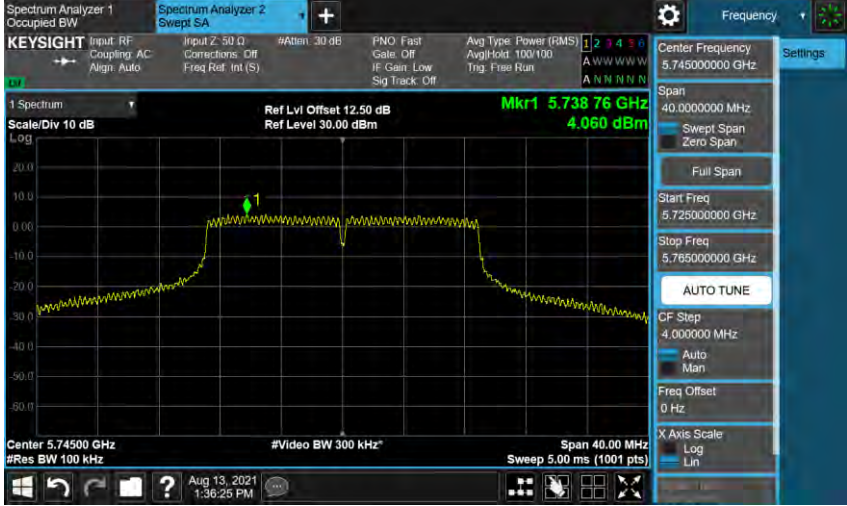
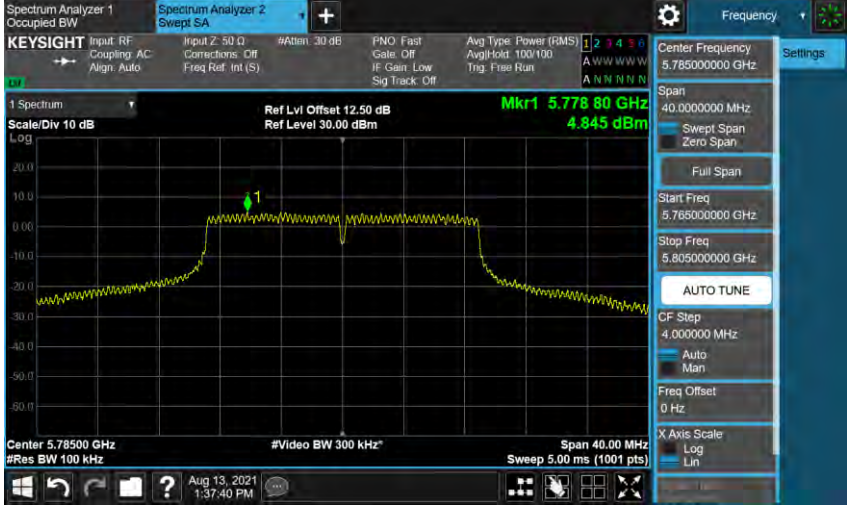
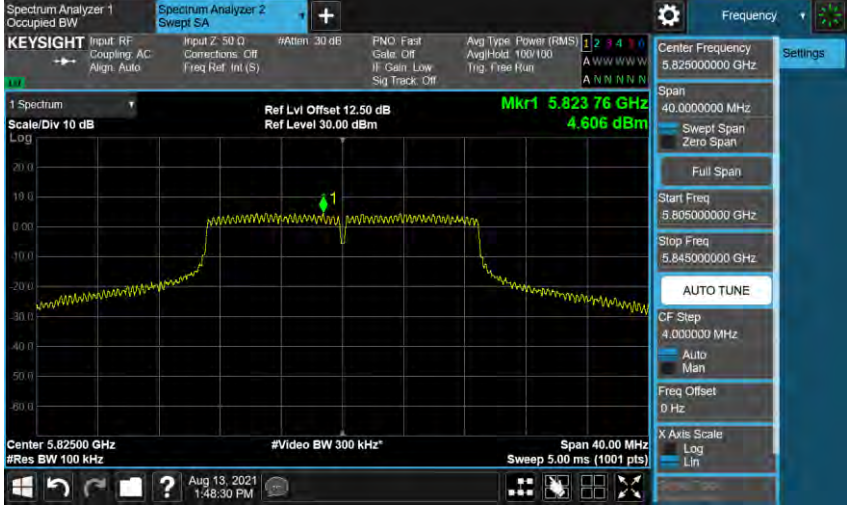


Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-1	
5180 MHz	 The screenshot shows a Keysight Spectrum Analyzer interface. The main display shows a spectrum plot with a peak at 5.18540 GHz and a power level of 7.514 dBm. The center frequency is set to 5.18000 GHz, and the span is 40.000 MHz. The resolution bandwidth (RBW) is 3.0 MHz, and the video bandwidth (VBW) is 3.0 MHz. The sweep time is 1.00 ms. The plot shows a typical channel bandwidth with a flat top and sloped sides.
5200 MHz	 The screenshot shows a Keysight Spectrum Analyzer interface. The main display shows a spectrum plot with a peak at 5.20668 GHz and a power level of 9.086 dBm. The center frequency is set to 5.20000 GHz, and the span is 40.000 MHz. The resolution bandwidth (RBW) is 3.0 MHz, and the video bandwidth (VBW) is 3.0 MHz. The sweep time is 1.00 ms. The plot shows a typical channel bandwidth with a flat top and sloped sides.
5240 MHz	 The screenshot shows a Keysight Spectrum Analyzer interface. The main display shows a spectrum plot with a peak at 5.24612 GHz and a power level of 9.194 dBm. The center frequency is set to 5.24000 GHz, and the span is 40.000 MHz. The resolution bandwidth (RBW) is 3.0 MHz, and the video bandwidth (VBW) is 3.0 MHz. The sweep time is 1.00 ms. The plot shows a typical channel bandwidth with a flat top and sloped sides.

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	
5560 MHz	
5700 MHz	

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

5190 MHz



5230 MHz

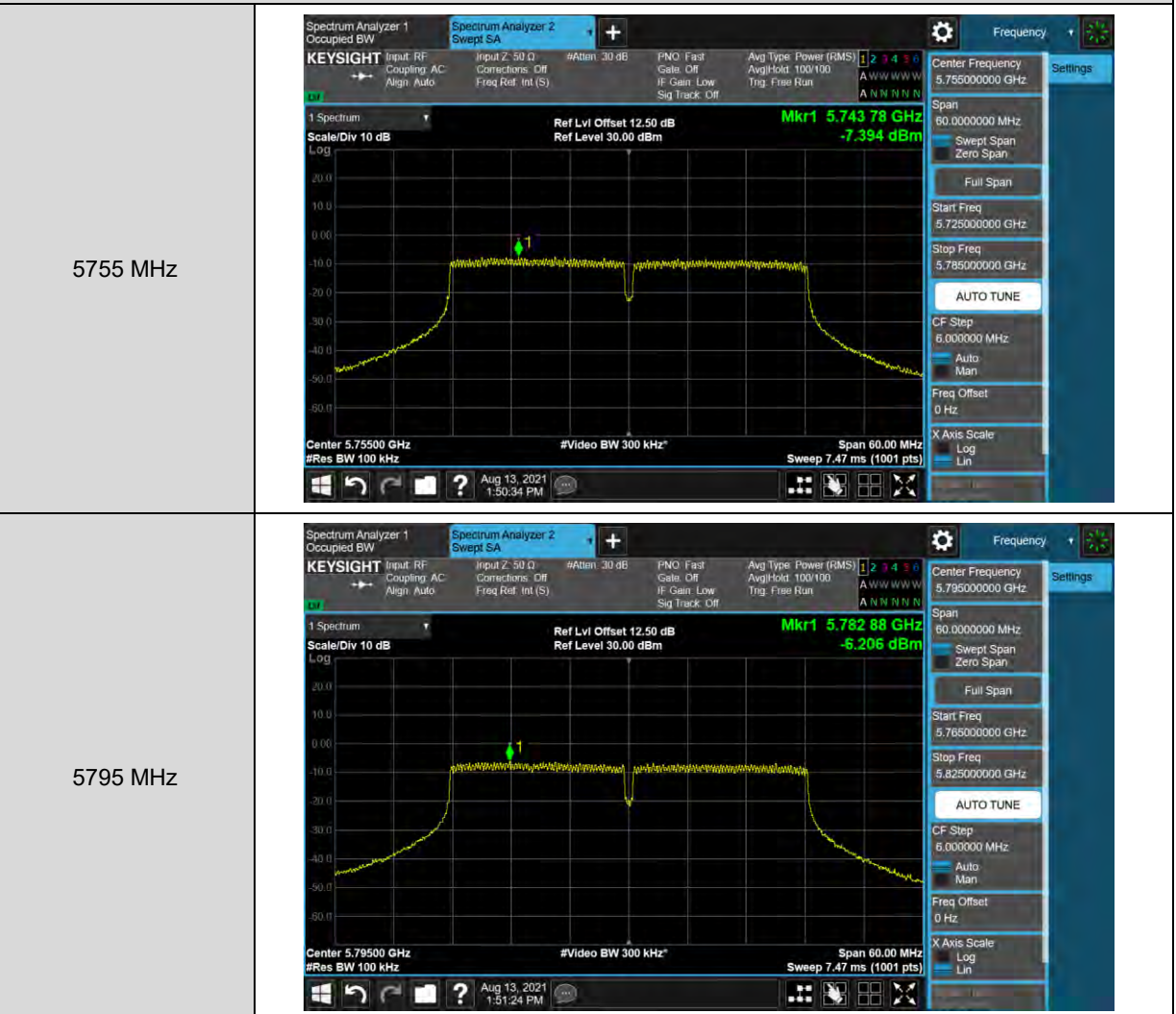




Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-1

5510 MHz	
5550 MHz	
5670 MHz	

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



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