Maximum Power Spectral Density Measurement

Power spectral density					
Test Mode	Frequency (MHz)	ANT-0			
		Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
Mode 2	5260	4.468	0.512	4.980	≤ 11.00
	5280	4.533	0.512	5.045	≤ 11.00
	5320	3.724	0.512	4.235	≤ 11.00
	5500	3.712	0.512	4.224	≤ 11.00
	5560	3.711	0.512	4.222	≤ 11.00
	5700	3.096	0.512	3.608	≤ 11.00
	5720	3.505	0.512	4.017	≤ 11.00
Mode 8	5260	4.203	0.054	4.257	≤ 11.00
	5280	4.244	0.054	4.297	≤ 11.00
	5320	3.491	0.054	3.545	≤ 11.00
	5500	4.608	0.054	4.662	≤ 11.00
	5560	4.745	0.054	4.798	≤ 11.00
	5700	4.396	0.054	4.450	≤ 11.00
	5720	4.436	0.054	4.490	≤ 11.00
Mode 9	5270	1.656	0.127	1.783	≤ 11.00
	5310	1.652	0.127	1.779	≤ 11.00
	5510	1.752	0.127	1.879	≤ 11.00
	5550	4.654	0.127	4.780	≤ 11.00
	5670	3.965	0.127	4.092	≤ 11.00
	5710	3.367	0.127	3.494	≤ 11.00
Mode 10	5290	-2.435	0.266	-2.169	≤ 11.00
	5530	-2.351	0.266	-2.085	≤ 11.00
	5610	2.701	0.266	2.967	≤ 11.00
	5690	0.175	0.266	0.441	≤ 11.00

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

Power spectral density					
Test Mode	Frequency (MHz)	ANT-0			
		Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
Mode 2	5720	-5.338	0.512	2.163	≤ 30.00
Mode 8	5720	-5.648	0.054	1.396	≤ 30.00
Mode 9	5710	-7.443	0.127	-0.327	≤ 30.00
Mode 10	5690	-10.720	0.266	-3.464	≤ 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)

Power spectral density					
Test Mode	Frequency (MHz)	ANT-1			
		Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
Mode 2	5260	3.633	0.512	4.145	≤ 11.00
	5280	3.285	0.512	3.797	≤ 11.00
	5320	4.431	0.512	4.942	≤ 11.00
	5500	5.188	0.512	5.700	≤ 11.00
	5560	5.316	0.512	5.827	≤ 11.00
	5700	3.693	0.512	4.205	≤ 11.00
	5720	4.269	0.512	4.781	≤ 11.00
Mode 8	5260	4.155	0.054	4.209	≤ 11.00
	5280	4.229	0.054	4.283	≤ 11.00
	5320	4.789	0.054	4.842	≤ 11.00
	5500	4.249	0.054	4.303	≤ 11.00
	5560	4.899	0.054	4.953	≤ 11.00
	5700	4.468	0.054	4.521	≤ 11.00
	5720	4.640	0.054	4.694	≤ 11.00
Mode 9	5270	1.257	0.127	1.384	≤ 11.00
	5310	1.479	0.127	1.606	≤ 11.00
	5510	1.136	0.127	1.263	≤ 11.00
	5550	4.207	0.127	4.334	≤ 11.00
	5670	4.375	0.127	4.501	≤ 11.00
	5710	3.350	0.127	3.477	≤ 11.00
Mode 10	5290	-2.528	0.266	-2.262	≤ 11.00
	5530	-2.788	0.266	-2.522	≤ 11.00
	5610	2.507	0.266	2.773	≤ 11.00
	5690	0.495	0.266	0.761	≤ 11.00

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

Power spectral density					
Test Mode	Frequency (MHz)	ANT-1			
		Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
Mode 2	5720	-5.381	0.512	2.120	≤ 30.00
Mode 8	5720	-5.510	0.054	1.534	≤ 30.00
Mode 9	5710	-7.234	0.127	-0.118	≤ 30.00
Mode 10	5690	-10.526	0.266	-3.270	≤ 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)

Power spectral density					
Test Mode	Frequency (MHz)	ANT-2			
		Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
Mode 2	5260	4.171	0.512	4.683	≤ 11.00
	5280	4.108	0.512	4.620	≤ 11.00
	5320	4.114	0.512	4.625	≤ 11.00
	5500	4.171	0.512	4.682	≤ 11.00
	5560	3.883	0.512	4.394	≤ 11.00
	5700	3.048	0.512	3.559	≤ 11.00
	5720	2.972	0.512	3.484	≤ 11.00
Mode 8	5260	3.936	0.054	3.990	≤ 11.00
	5280	4.582	0.054	4.636	≤ 11.00
	5320	4.818	0.054	4.872	≤ 11.00
	5500	3.693	0.054	3.747	≤ 11.00
	5560	4.360	0.054	4.414	≤ 11.00
	5700	3.389	0.054	3.443	≤ 11.00
	5720	3.838	0.054	3.892	≤ 11.00
Mode 9	5270	1.773	0.127	1.900	≤ 11.00
	5310	1.582	0.127	1.709	≤ 11.00
	5510	1.838	0.127	1.965	≤ 11.00
	5550	3.619	0.127	3.746	≤ 11.00
	5670	3.758	0.127	3.885	≤ 11.00
	5710	2.458	0.127	2.585	≤ 11.00
Mode 10	5290	-2.596	0.266	-2.330	≤ 11.00
	5530	-2.398	0.266	-2.132	≤ 11.00
	5610	2.536	0.266	2.802	≤ 11.00
	5690	-0.369	0.266	-0.103	≤ 11.00

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

Power spectral density					
Test Mode	Frequency (MHz)	ANT-2			
		Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
Mode 2	5720	-4.955	0.512	2.546	≤ 30.00
Mode 8	5720	-6.765	0.054	0.279	≤ 30.00
Mode 9	5710	-8.350	0.127	-1.234	≤ 30.00
Mode 10	5690	-10.998	0.266	-3.742	≤ 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)

Power spectral density					
Test Mode	Frequency (MHz)	ANT-3			
		Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
Mode 2	5260	3.401	0.512	3.913	≤ 11.00
	5280	3.524	0.512	4.036	≤ 11.00
	5320	4.712	0.512	5.223	≤ 11.00
	5500	4.601	0.512	5.112	≤ 11.00
	5560	4.558	0.512	5.070	≤ 11.00
	5700	4.092	0.512	4.604	≤ 11.00
	5720	4.964	0.512	5.476	≤ 11.00
Mode 8	5260	4.252	0.054	4.306	≤ 11.00
	5280	4.469	0.054	4.523	≤ 11.00
	5320	4.339	0.054	4.393	≤ 11.00
	5500	3.906	0.054	3.960	≤ 11.00
	5560	4.973	0.054	5.026	≤ 11.00
	5700	4.394	0.054	4.448	≤ 11.00
	5720	4.519	0.054	4.573	≤ 11.00
Mode 9	5270	1.664	0.127	1.791	≤ 11.00
	5310	1.602	0.127	1.729	≤ 11.00
	5510	1.998	0.127	2.125	≤ 11.00
	5550	3.875	0.127	4.002	≤ 11.00
	5670	3.746	0.127	3.872	≤ 11.00
	5710	3.402	0.127	3.529	≤ 11.00
Mode 10	5290	-2.399	0.266	-2.133	≤ 11.00
	5530	-2.282	0.266	-2.016	≤ 11.00
	5610	2.292	0.266	2.558	≤ 11.00
	5690	0.079	0.266	0.345	≤ 11.00

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

Power spectral density					
Test Mode	Frequency (MHz)	ANT-3			
		Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
Mode 2	5720	-4.303	0.512	3.198	≤ 30.00
Mode 8	5720	-6.051	0.054	0.993	≤ 30.00
Mode 9	5710	-7.316	0.127	-0.200	≤ 30.00
Mode 10	5690	-10.361	0.266	-3.105	≤ 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)

Power spectral density			
Test Mode	Frequency (MHz)	ANT-0+1+2+3	
		Calculated (dBm/MHz)	Limit (dBm/MHz)
Mode 2	5260	10.47	≤ 11.00
	5280	10.42	≤ 11.00
	5320	10.79	≤ 11.00
	5500	10.98	≤ 11.00
	5560	10.95	≤ 11.00
	5700	10.04	≤ 11.00
	5720	10.53	≤ 11.00
Mode 8	5260	10.21	≤ 11.00
	5280	10.46	≤ 11.00
	5320	10.47	≤ 11.00
	5500	10.20	≤ 11.00
	5560	10.82	≤ 11.00
	5700	10.26	≤ 11.00
	5720	10.44	≤ 11.00
Mode 9	5270	7.74	≤ 11.00
	5310	7.73	≤ 11.00
	5510	7.84	≤ 11.00
	5550	10.25	≤ 11.00
	5670	10.12	≤ 11.00
	5710	9.31	≤ 11.00
Mode 10	5290	3.80	≤ 11.00
	5530	3.84	≤ 11.00
	5610	8.80	≤ 11.00
	5690	6.39	≤ 11.00

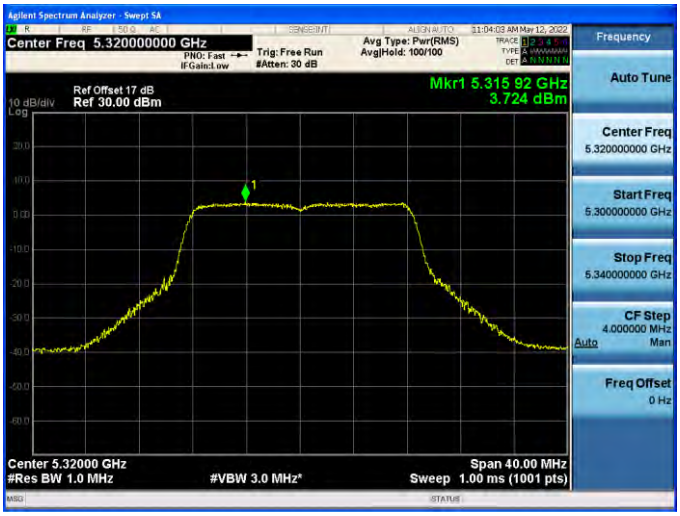
Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

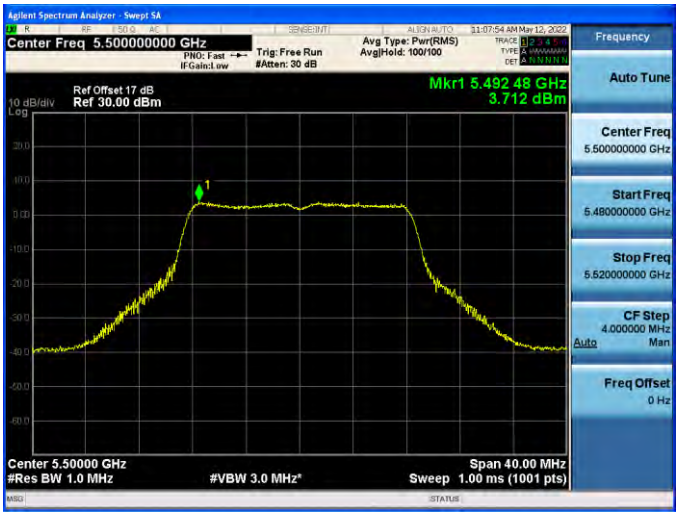
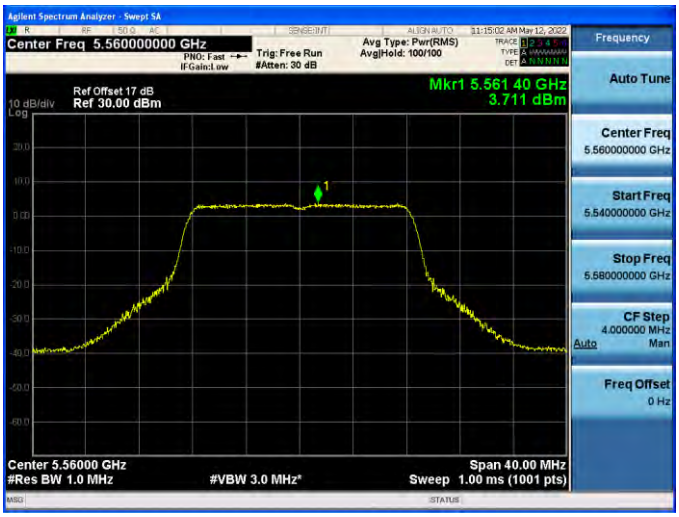
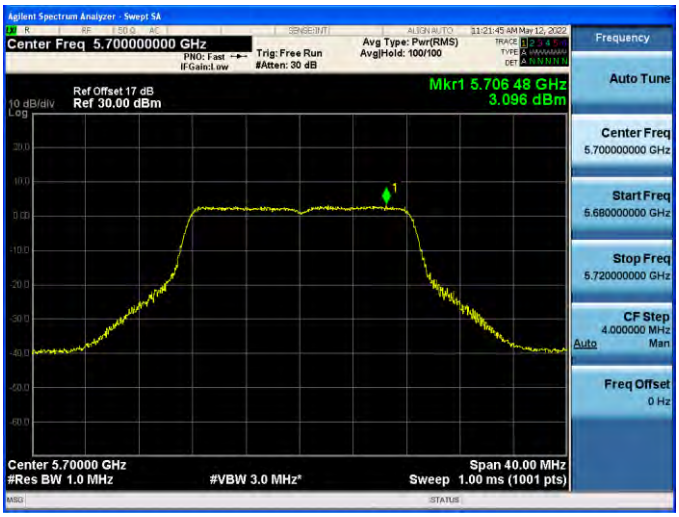
Power spectral density			
Test Mode	Frequency (MHz)	ANT-0+1+2+3	
		Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
Mode 2	5720	8.55	≤ 30.00
Mode 8	5720	7.10	≤ 30.00
Mode 9	5710	5.57	≤ 30.00
Mode 10	5690	2.63	≤ 30.00

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)

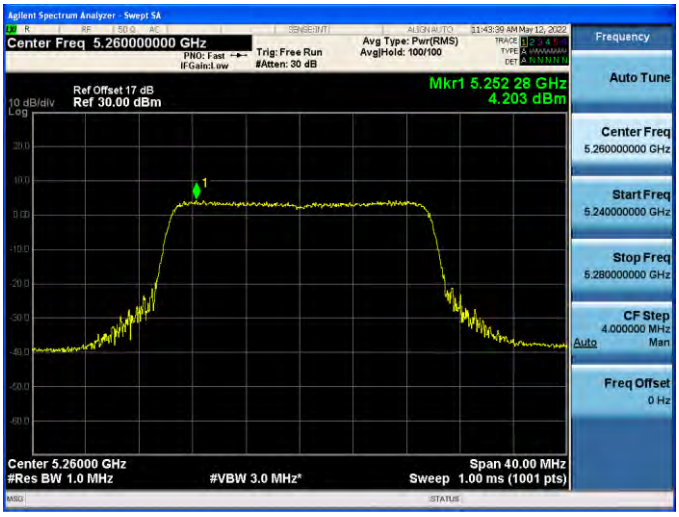
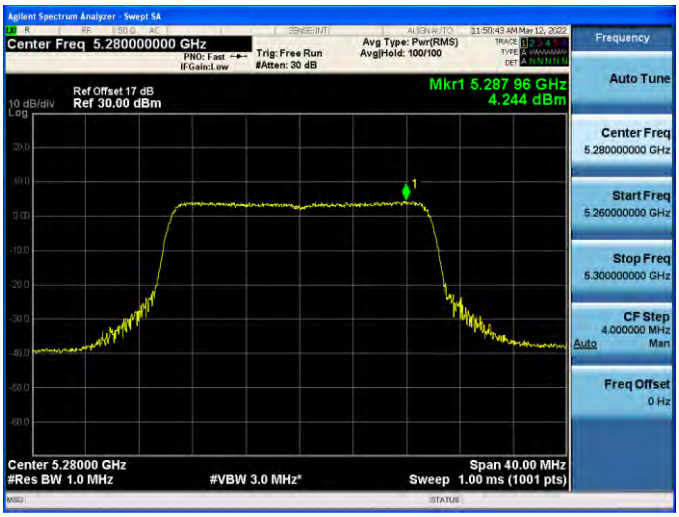
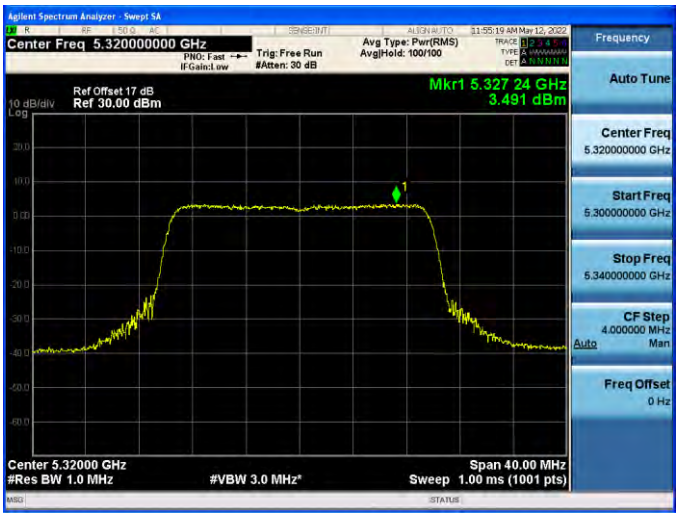
■ **Test Graphs**

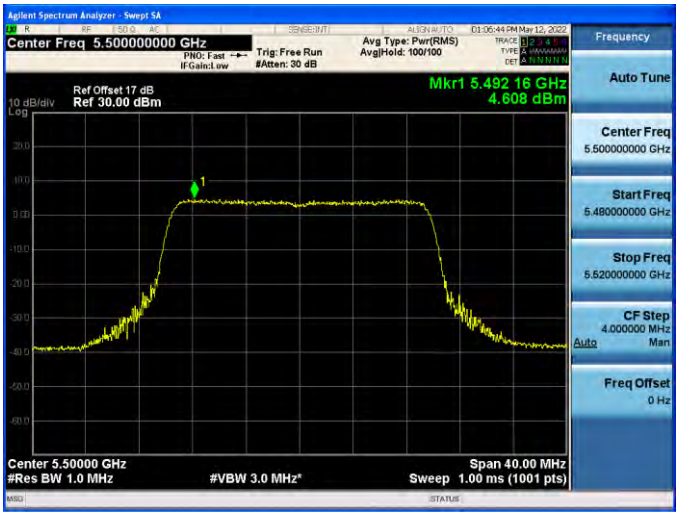
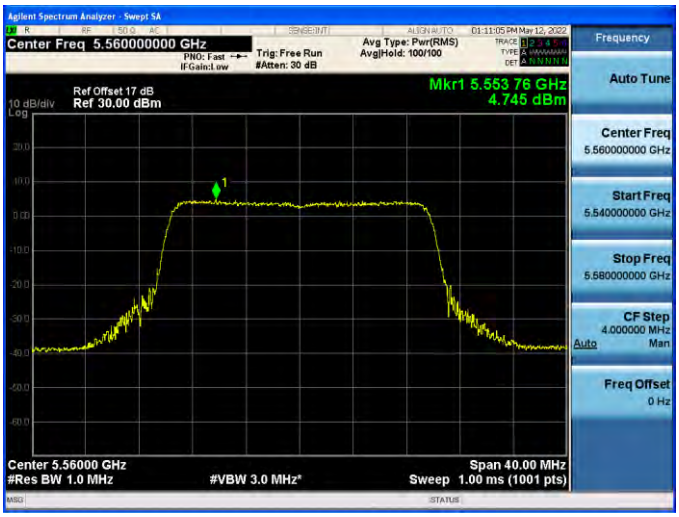
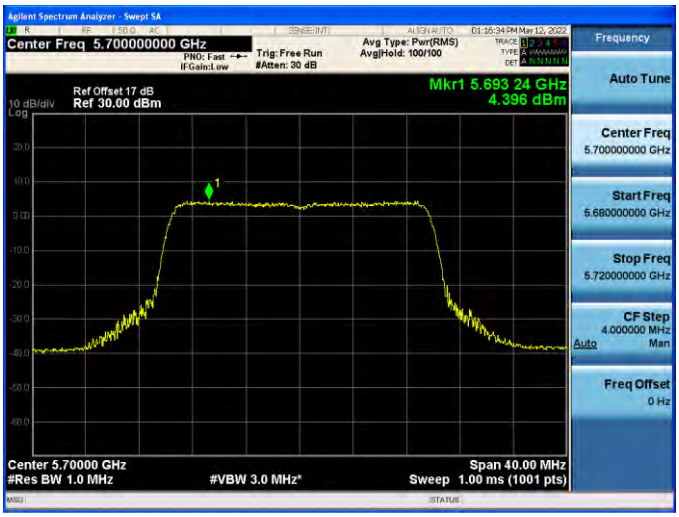
Mode 2: IEEE 802.11a Continuous TX mode_ANT-0	
5260 MHz	
5280 MHz	
5320 MHz	

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	
5720 MHz	

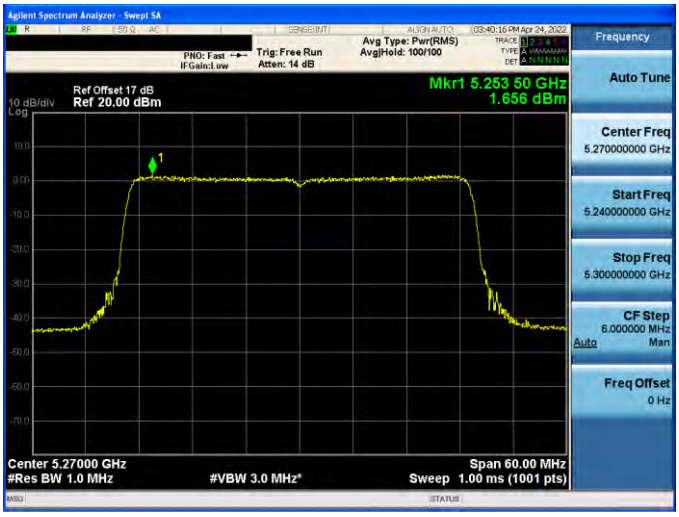
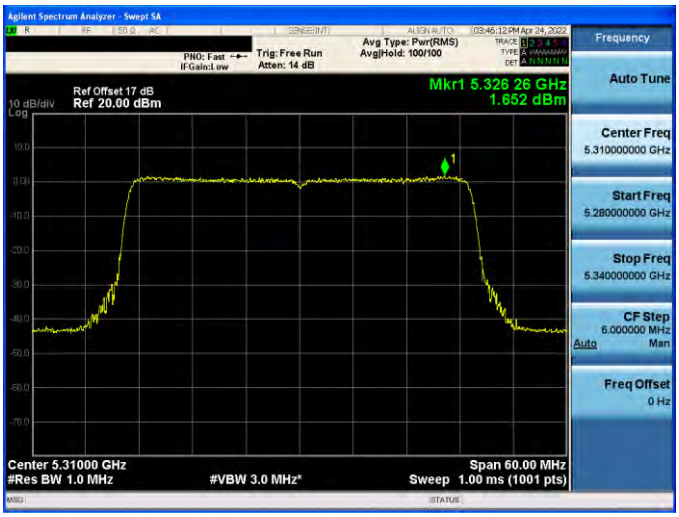
Mode 2: IEEE 802.11a Continuous TX mode_ANT-0	
5720 MHz	

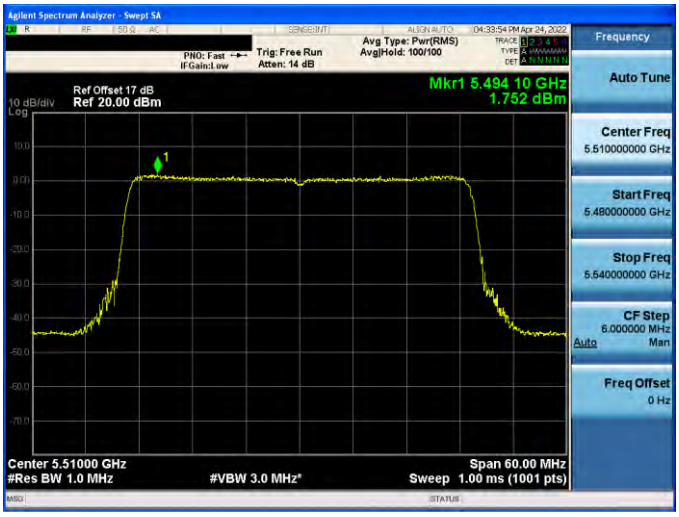
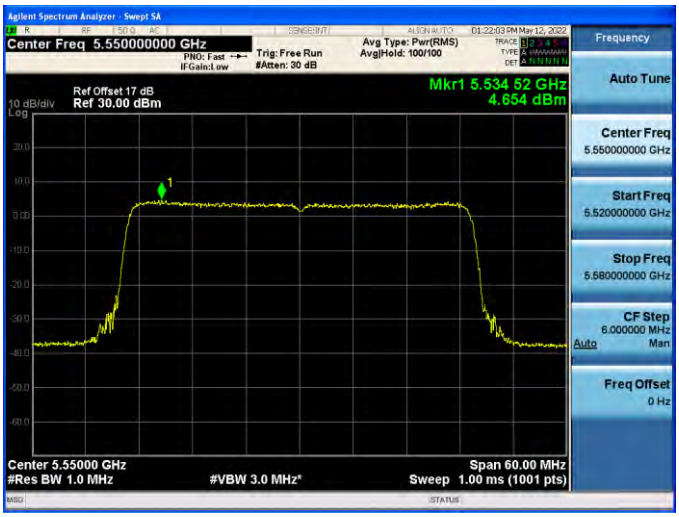
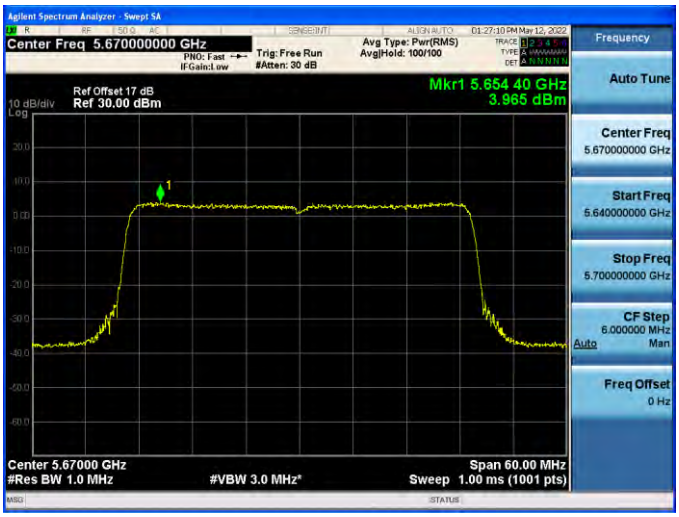
Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-0	
5260 MHz	
5280 MHz	
5320 MHz	

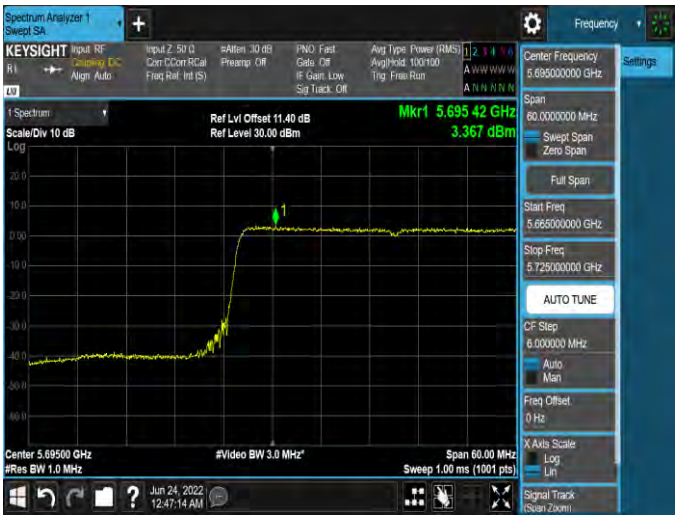
Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-0	
5500 MHz	
5560 MHz	
5700 MHz	

Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-0	
5720 MHz	

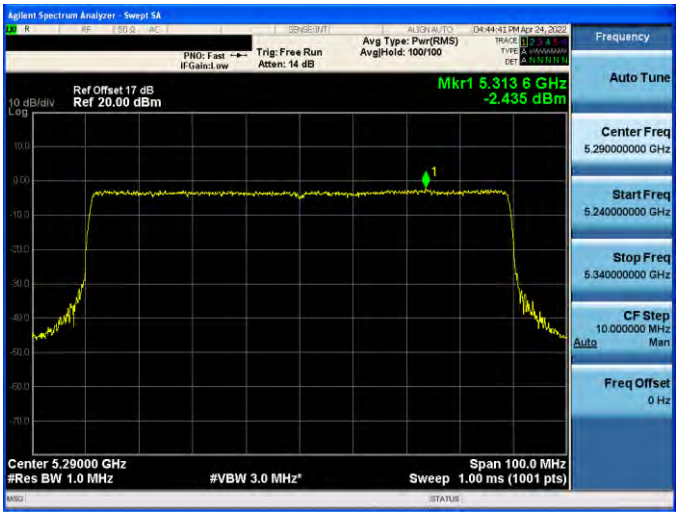
Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-0	
5720 MHz	

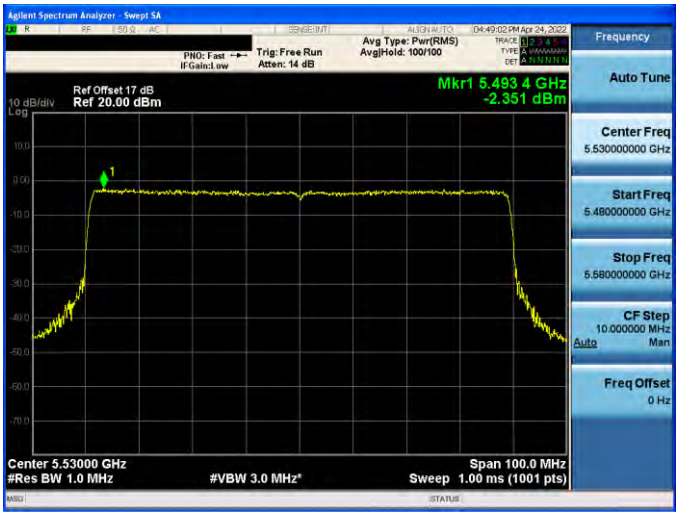
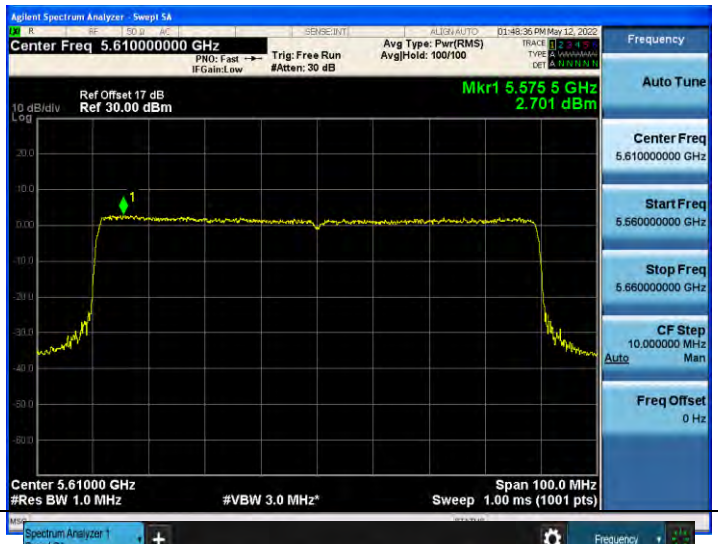
Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-0	
5270 MHz	
5310 MHz	

Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-0	
5510 MHz	
5550 MHz	
5670 MHz	

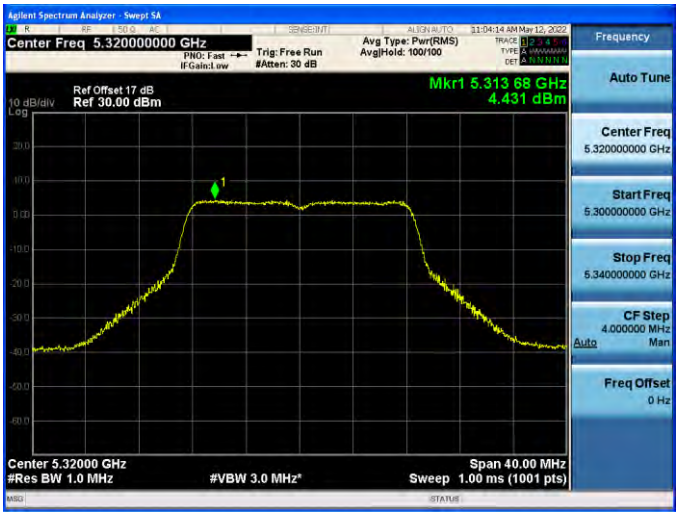
Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-0	
5710 MHz	

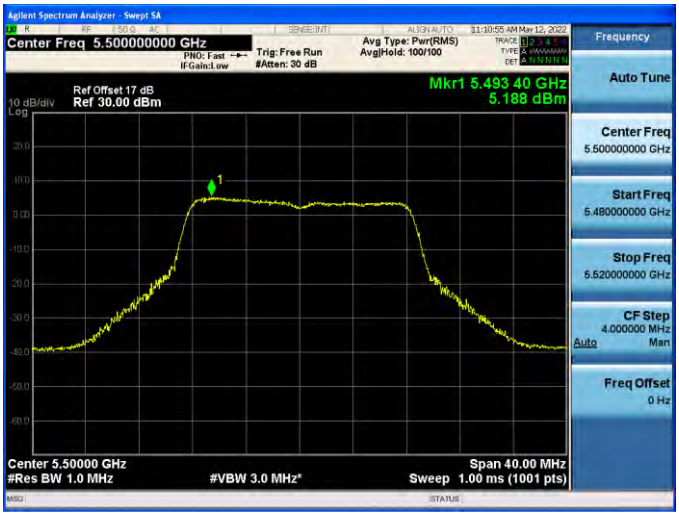
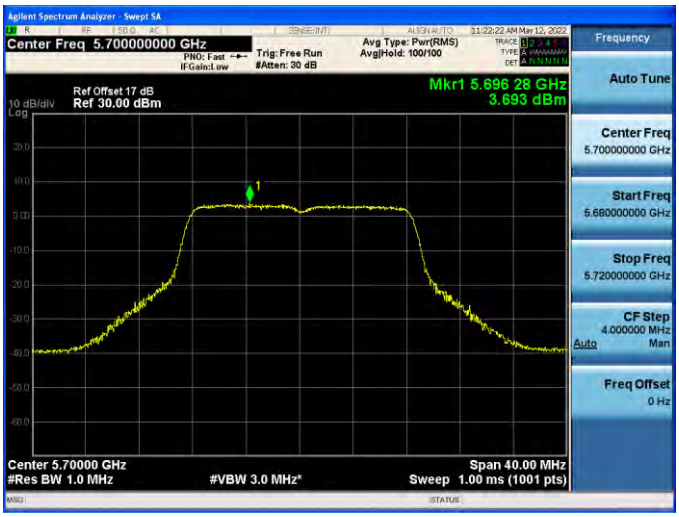
Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-0	
5710 MHz	

Mode 10: IEEE 802.11ax 80 MHz Continuous TX Mode_ANT-0	
5290 MHz	

Mode 10: IEEE 802.11ax 80 MHz Continuous TX Mode_ANT-0	
5530 MHz	
5610 MHz	
5690 MHz	

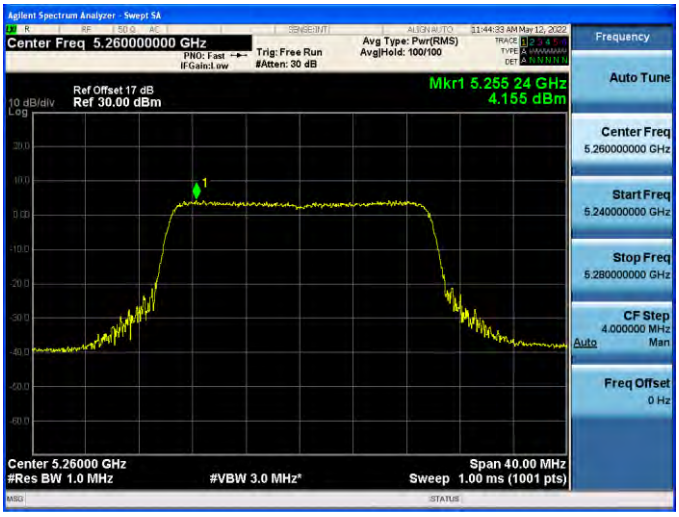
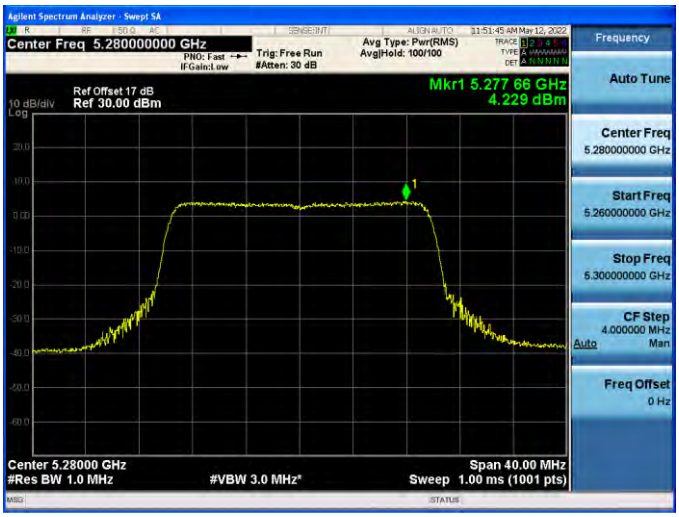
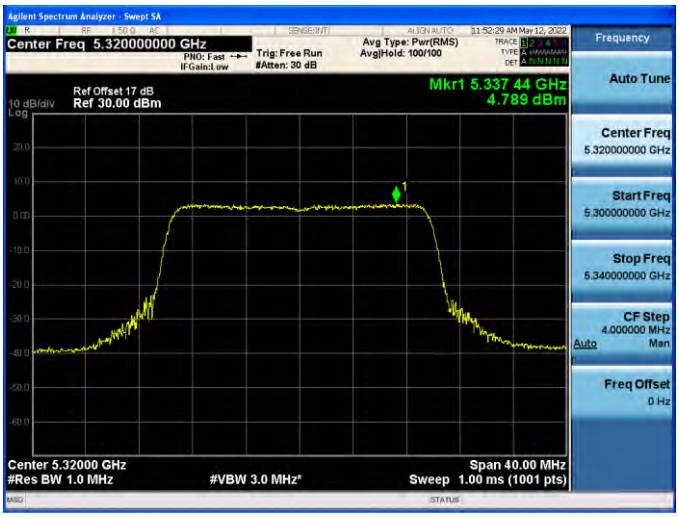
Mode 10: IEEE 802.11ax 80 MHz Continuous TX Mode_ANT-0	
5690 MHz	

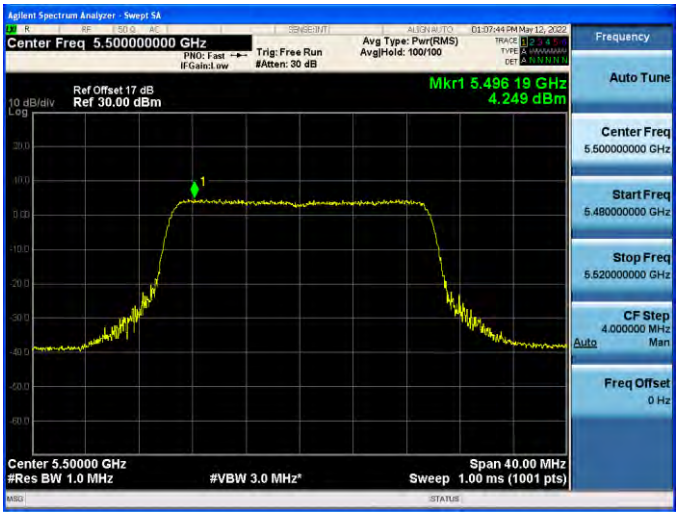
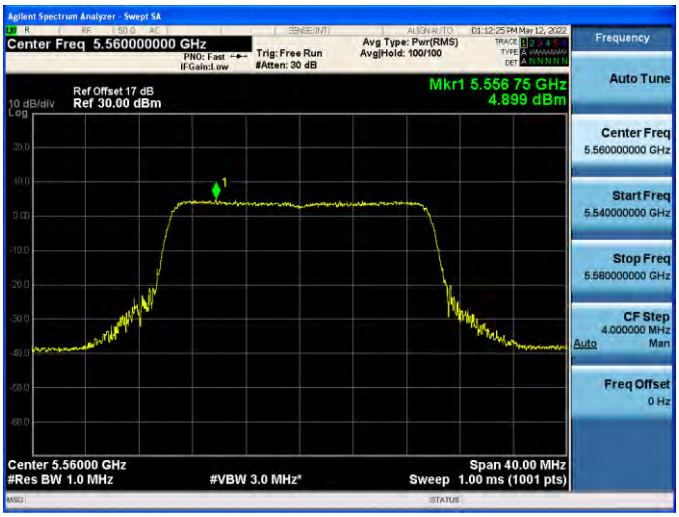
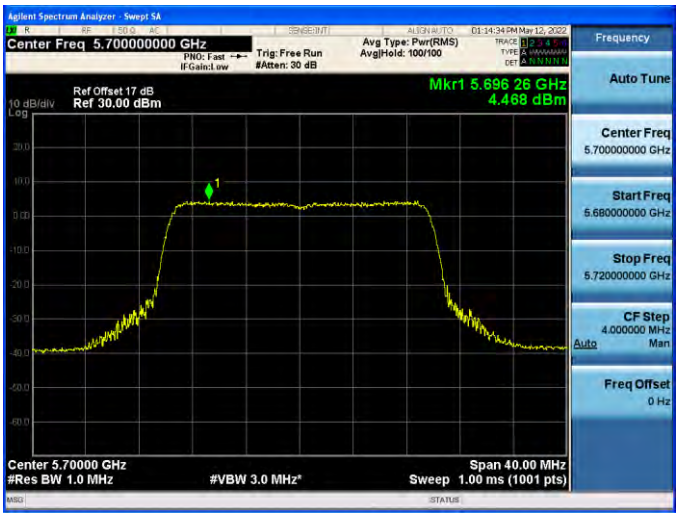
Mode 2: IEEE 802.11a Continuous TX mode_ANT-1	
5260 MHz	
5280 MHz	
5320 MHz	

Mode 2: IEEE 802.11a Continuous TX mode_ANT-1	
5500 MHz	
5560 MHz	
5700 MHz	

Mode 2: IEEE 802.11a Continuous TX mode_ANT-1	
5720 MHz	

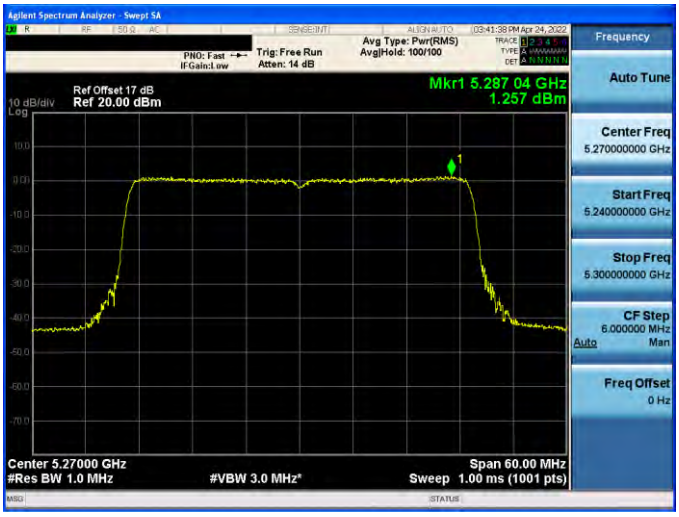
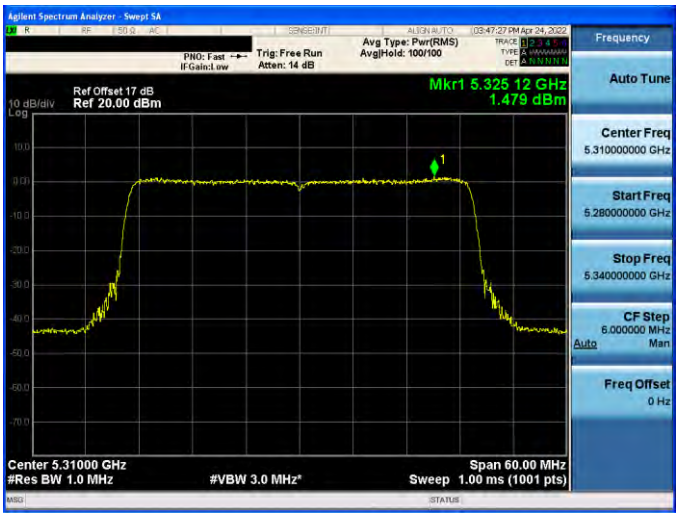
Mode 2: IEEE 802.11a Continuous TX mode_ANT-1	
5720 MHz	

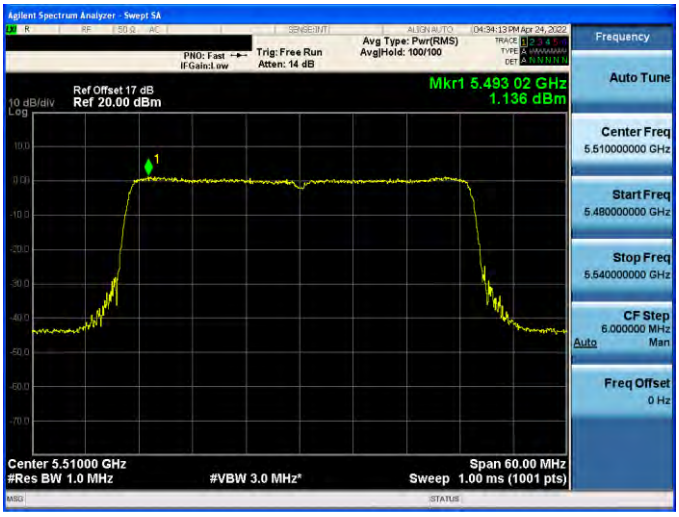
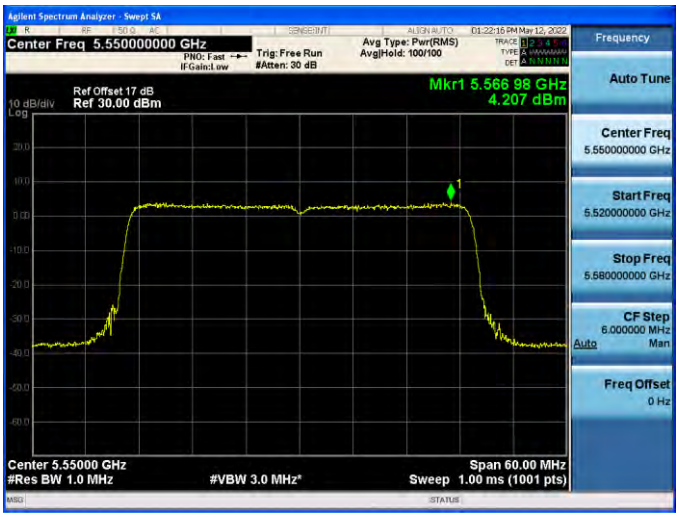
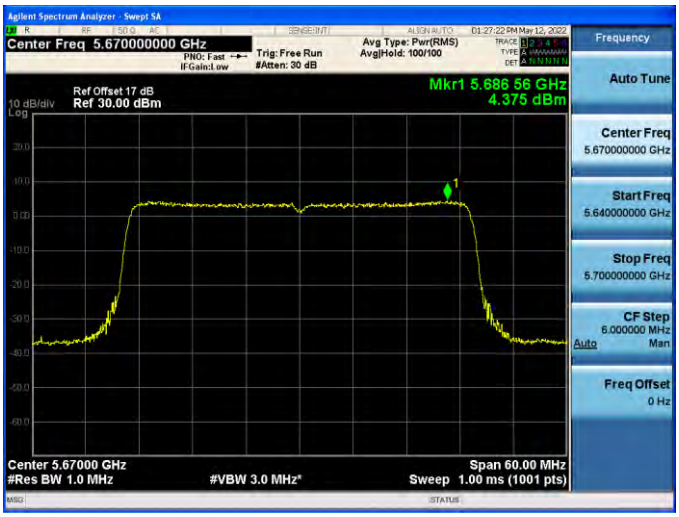
Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-1	
5260 MHz	
5280 MHz	
5320 MHz	

Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-1	
5500 MHz	
5560 MHz	
5700 MHz	

Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-1	
5720 MHz	

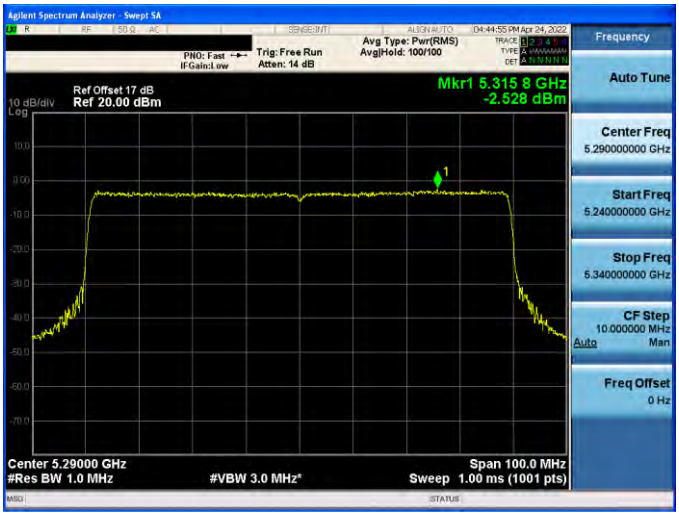
Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-1	
5720 MHz	

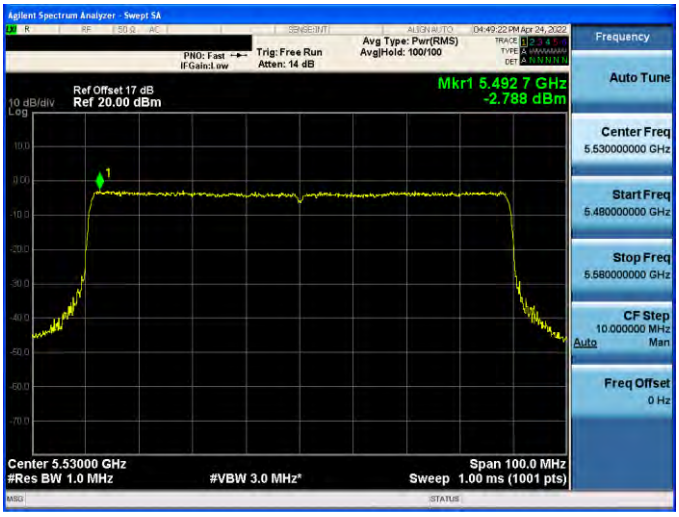
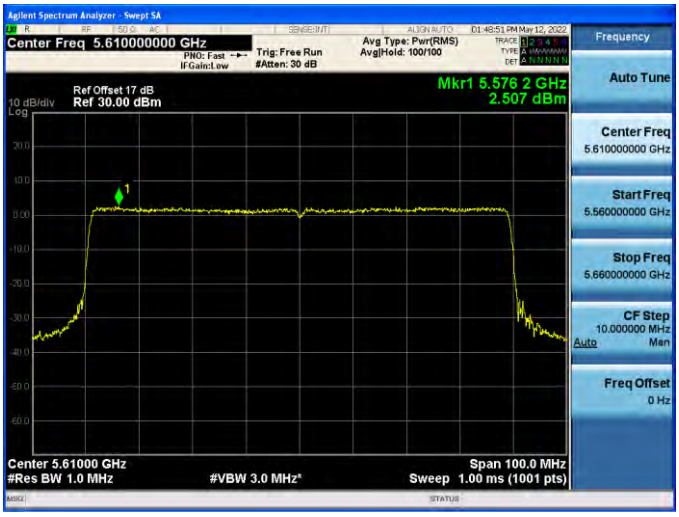
Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-1	
5270 MHz	
5310 MHz	

Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-1	
5510 MHz	
5550 MHz	
5670 MHz	

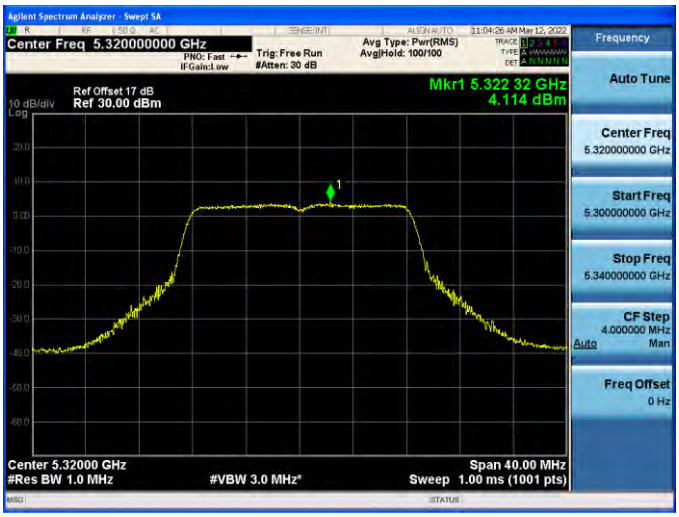
Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-1	
5710 MHz	

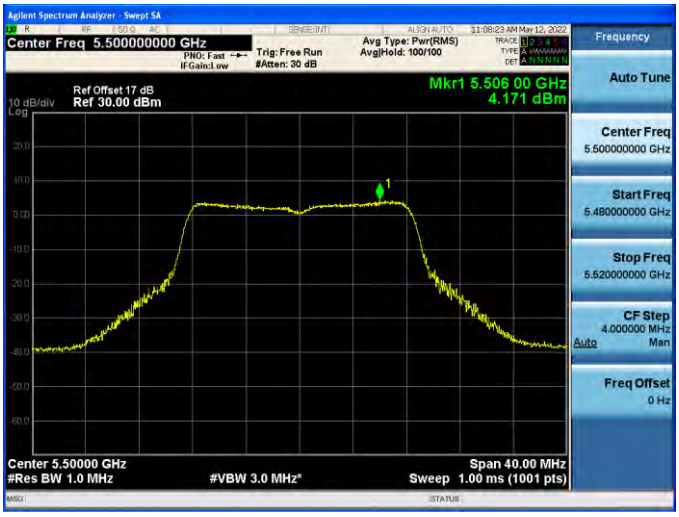
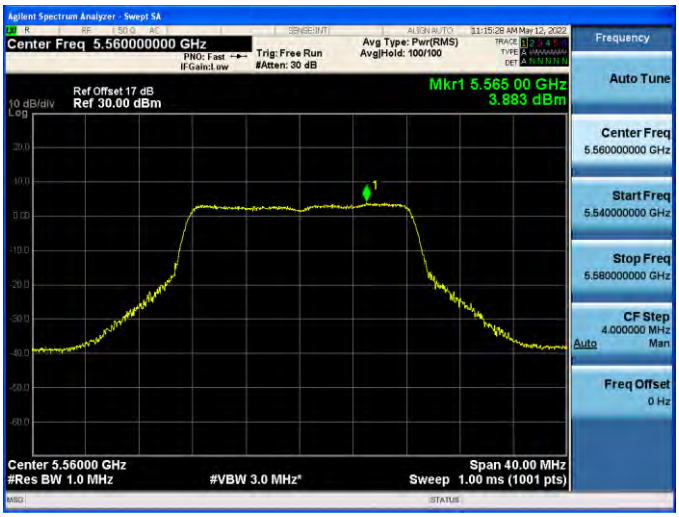
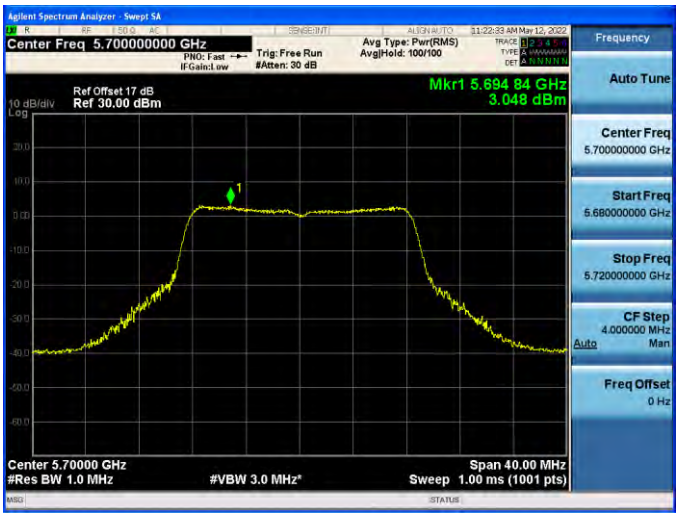
Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-1	
5710 MHz	

Mode 10: IEEE 802.11ax 80 MHz Continuous TX Mode_ANT-1	
5290 MHz	

Mode 10: IEEE 802.11ax 80 MHz Continuous TX Mode_ANT-1	
5530 MHz	
5610 MHz	
5690 MHz	

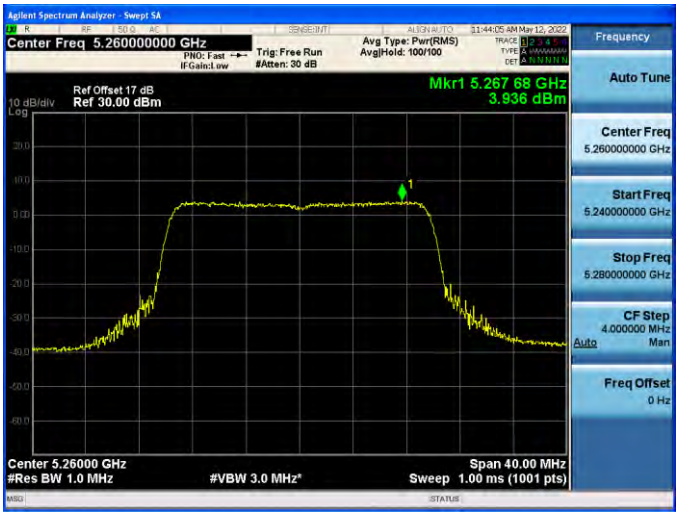
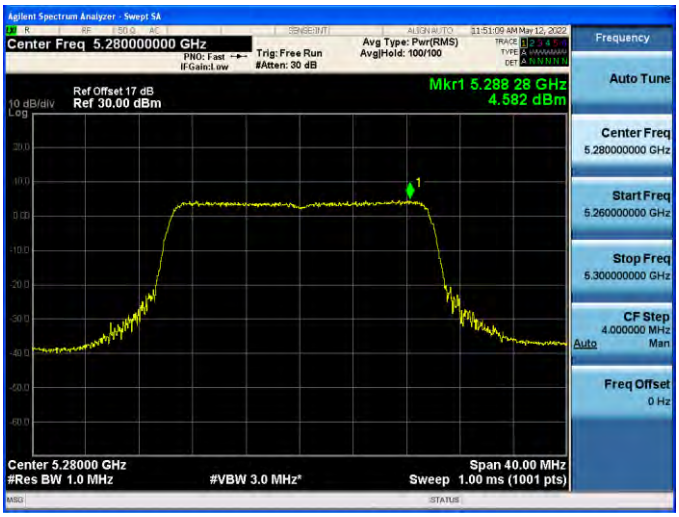
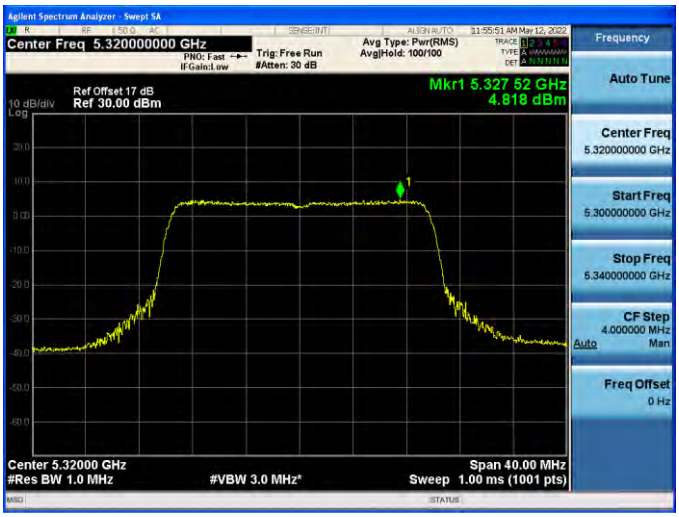
Mode 10: IEEE 802.11ax 80 MHz Continuous TX Mode_ANT-1	
5690 MHz	

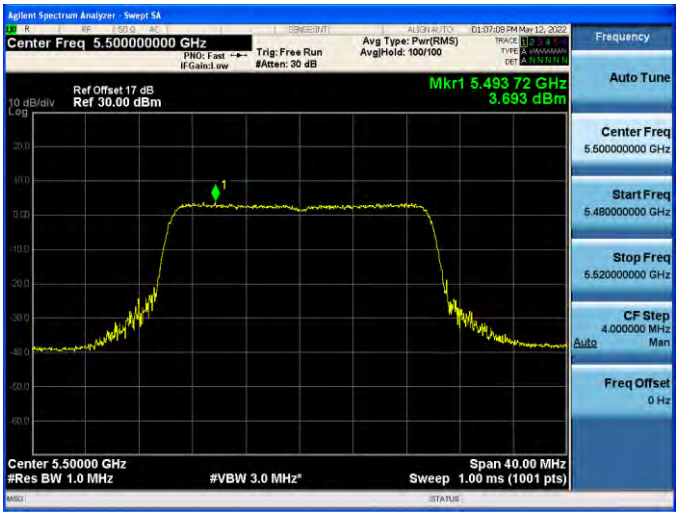
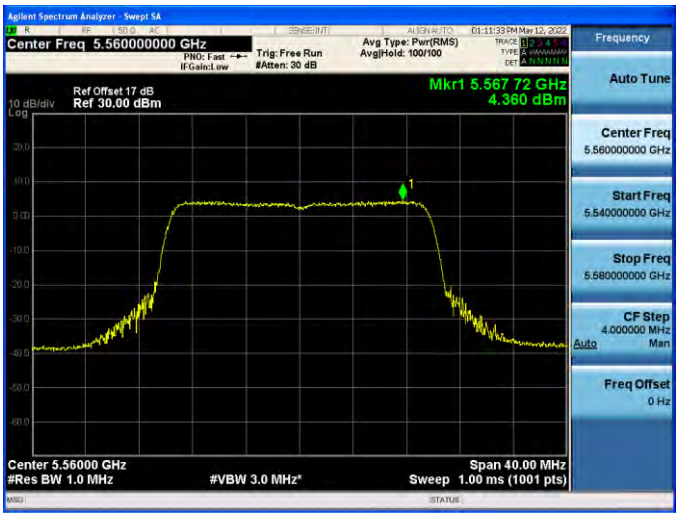
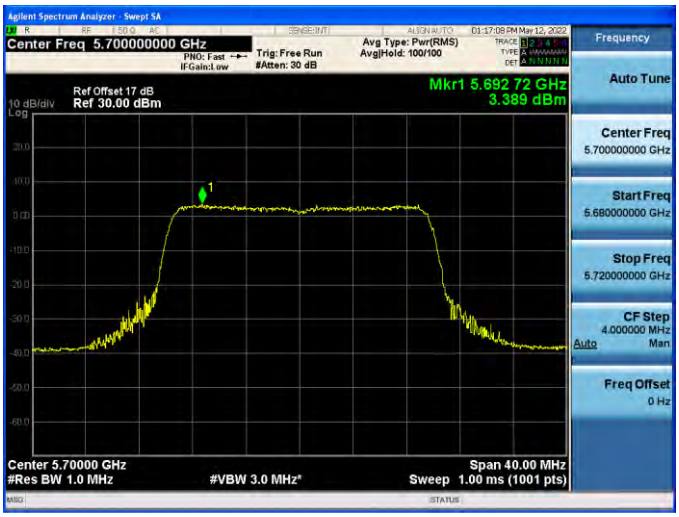
Mode 2: IEEE 802.11a Continuous TX mode_ANT-2	
5260 MHz	
5280 MHz	
5320 MHz	

Mode 2: IEEE 802.11a Continuous TX mode_ANT-2	
5500 MHz	
5560 MHz	
5700 MHz	

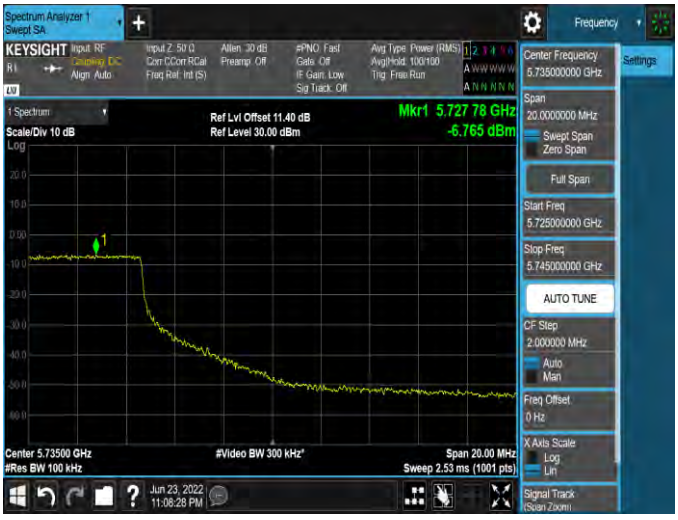
Mode 2: IEEE 802.11a Continuous TX mode_ANT-2	
5720 MHz	

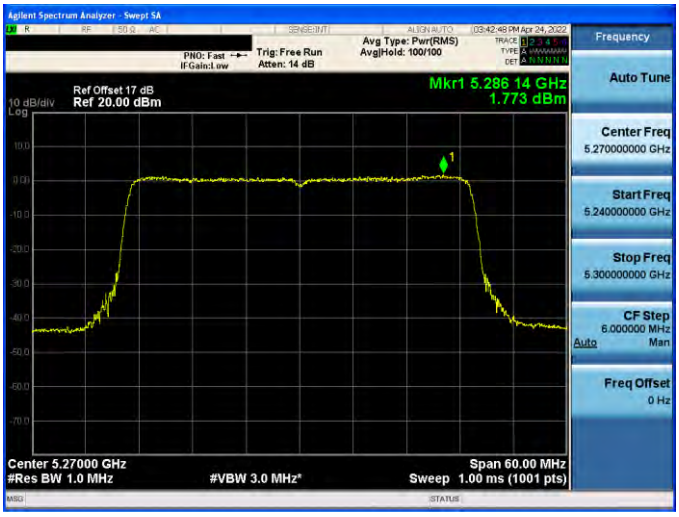
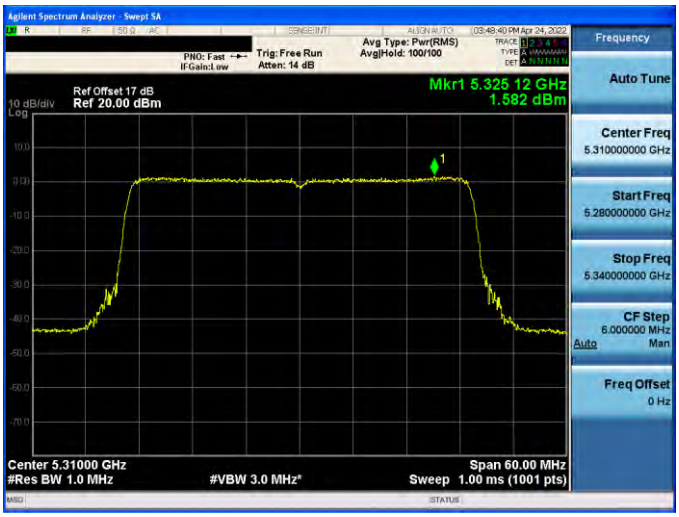
Mode 2: IEEE 802.11a Continuous TX mode_ANT-2	
5720 MHz	

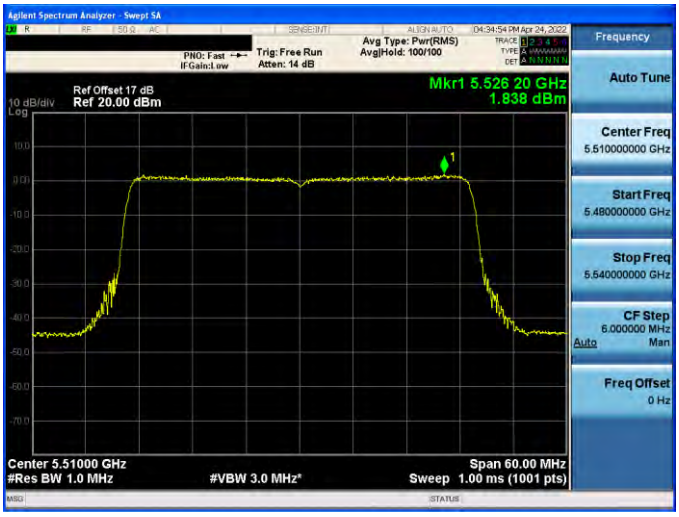
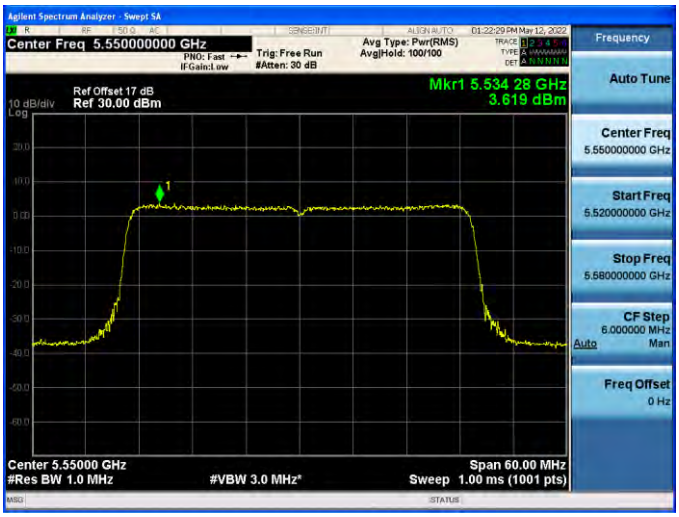
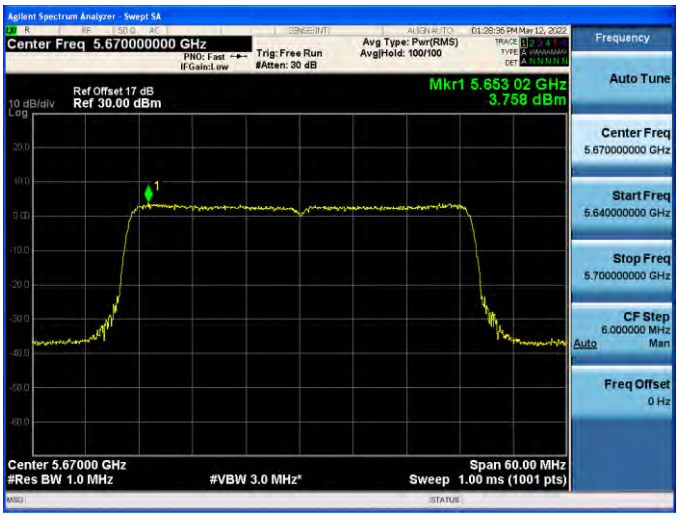
Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-2	
5260 MHz	
5280 MHz	
5320 MHz	

Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-2	
5500 MHz	
5560 MHz	
5700 MHz	

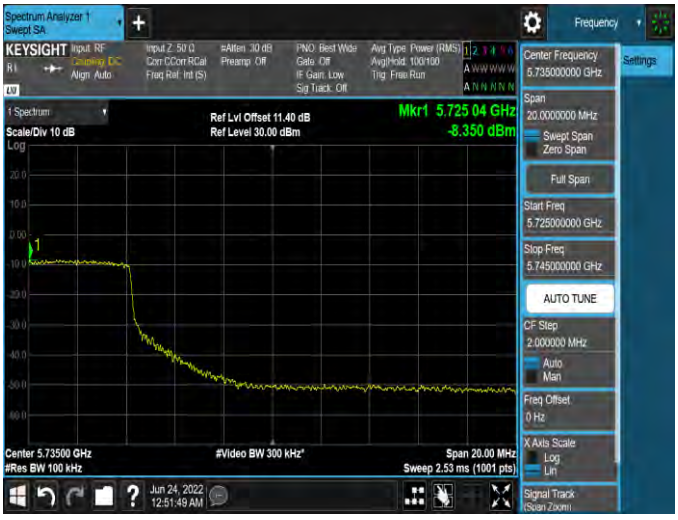
Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-2	
5720 MHz	

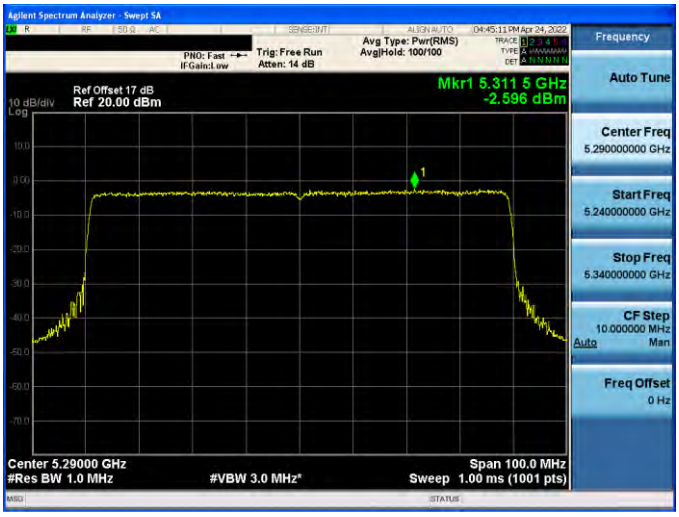
Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-2	
5720 MHz	

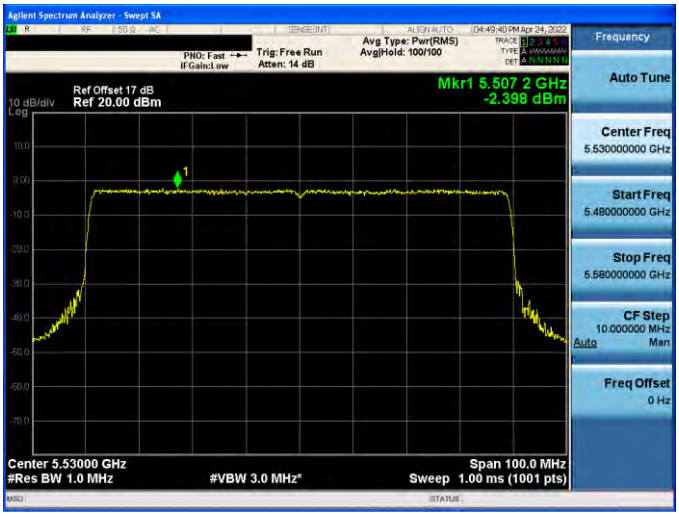
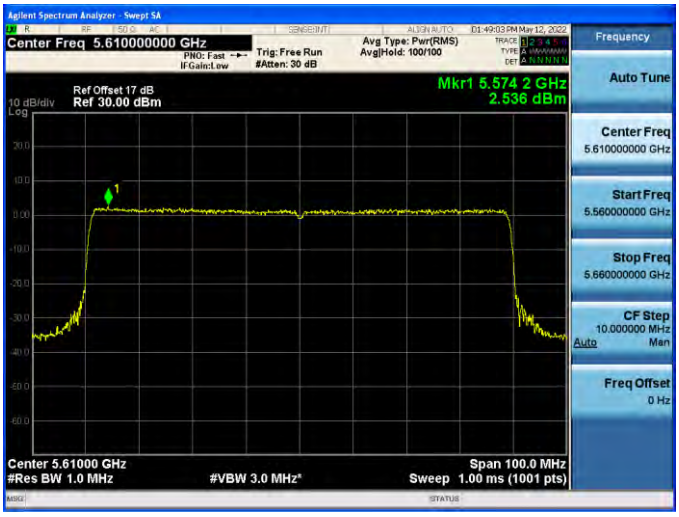
Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-2	
5270 MHz	
5310 MHz	

Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-2	
5510 MHz	
5550 MHz	
5670 MHz	

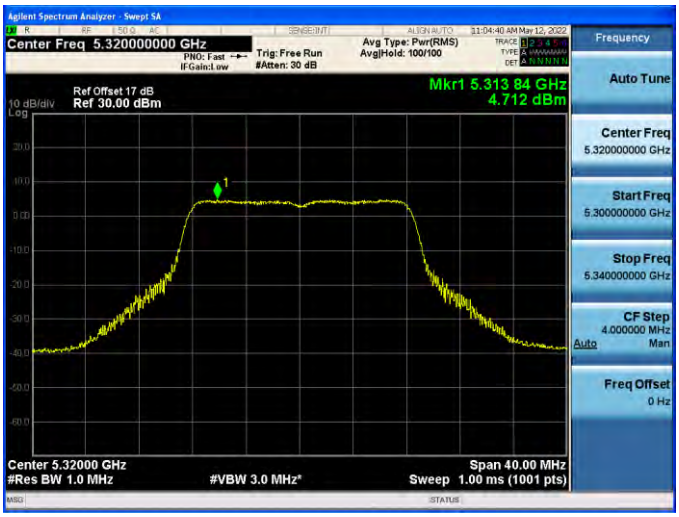
Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-2	
5710 MHz	

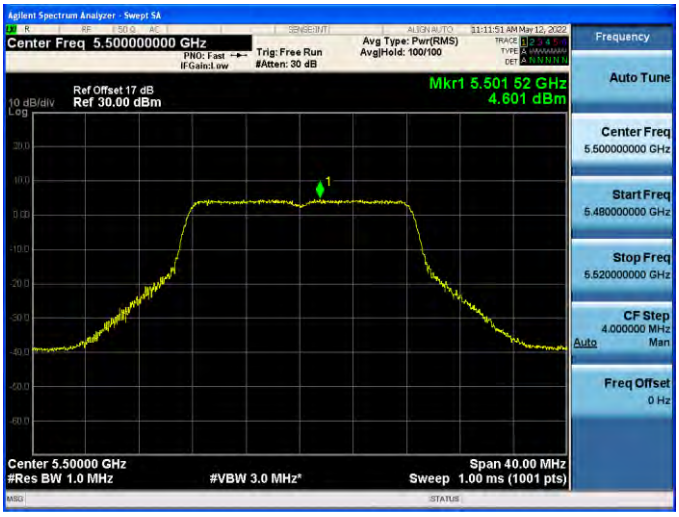
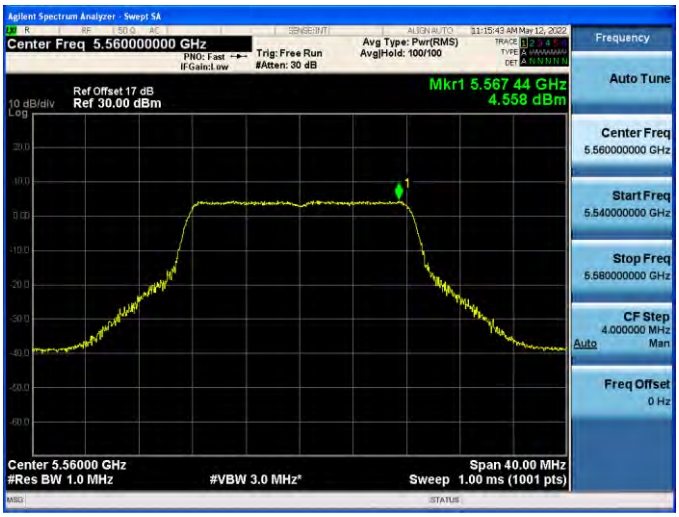
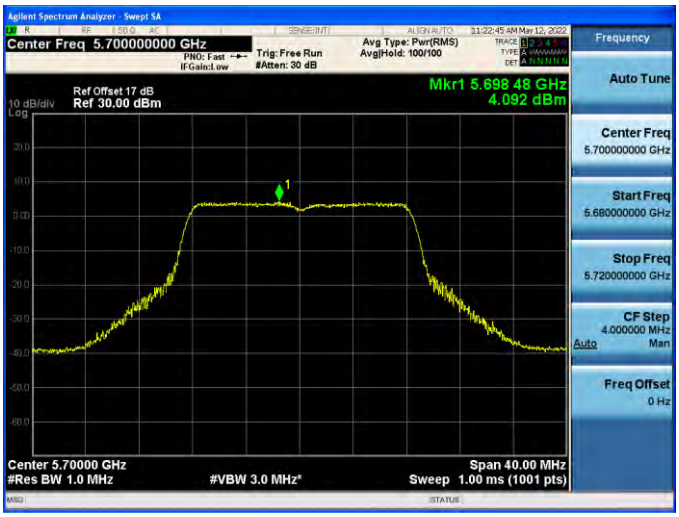
Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-2	
5710 MHz	

Mode 10: IEEE 802.11ax 80 MHz Continuous TX Mode_ANT-2	
5290 MHz	

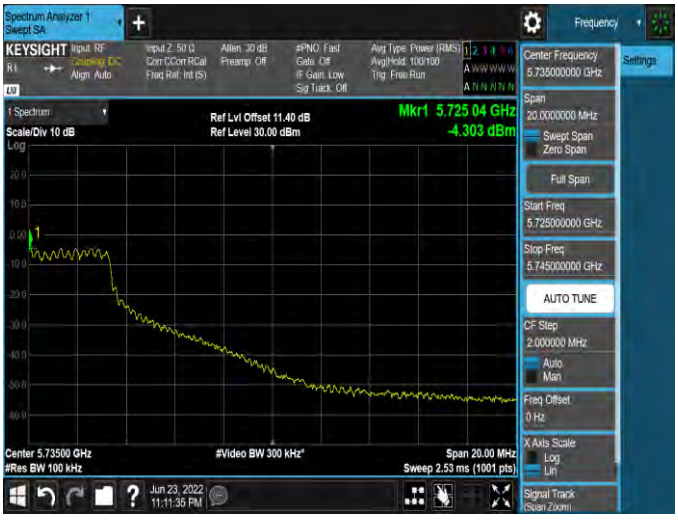
Mode 10: IEEE 802.11ax 80 MHz Continuous TX Mode_ANT-2	
5530 MHz	
5610 MHz	
5690 MHz	

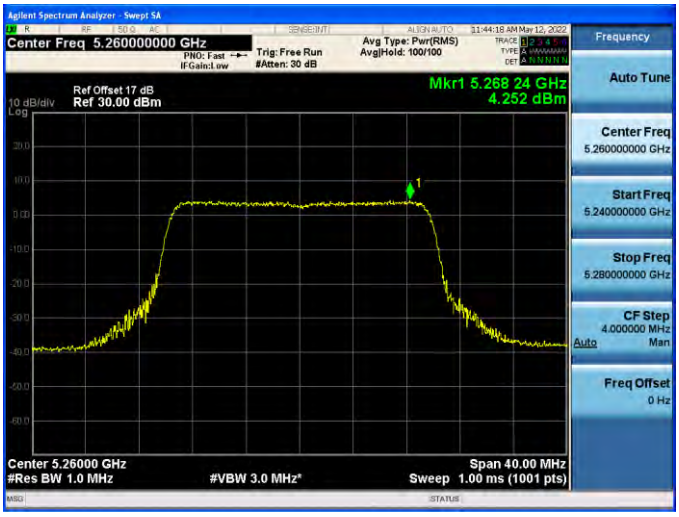
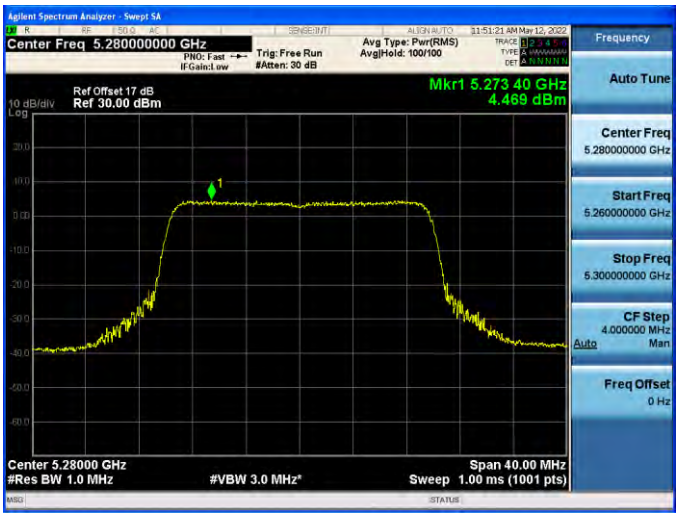
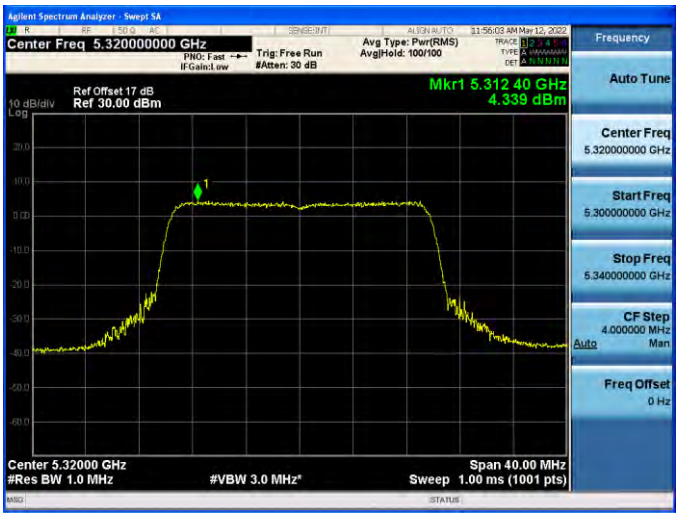
Mode 10: IEEE 802.11ax 80 MHz Continuous TX Mode_ANT-2	
5690 MHz	

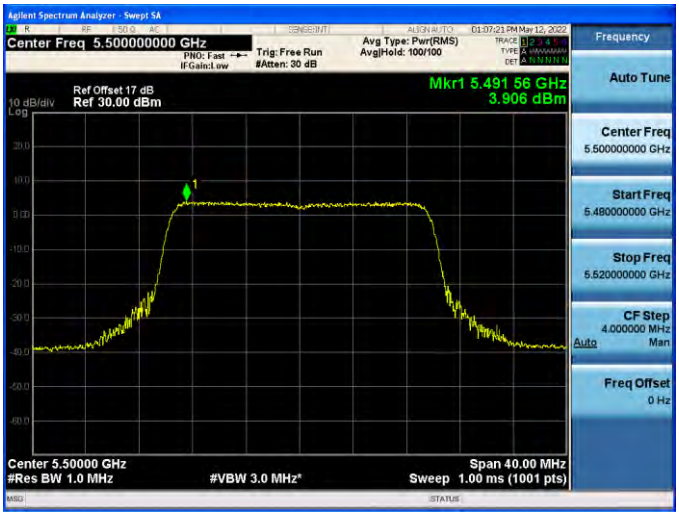
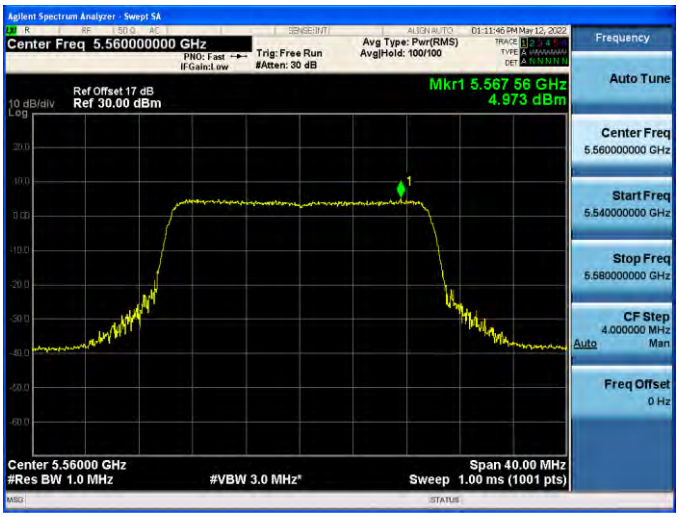
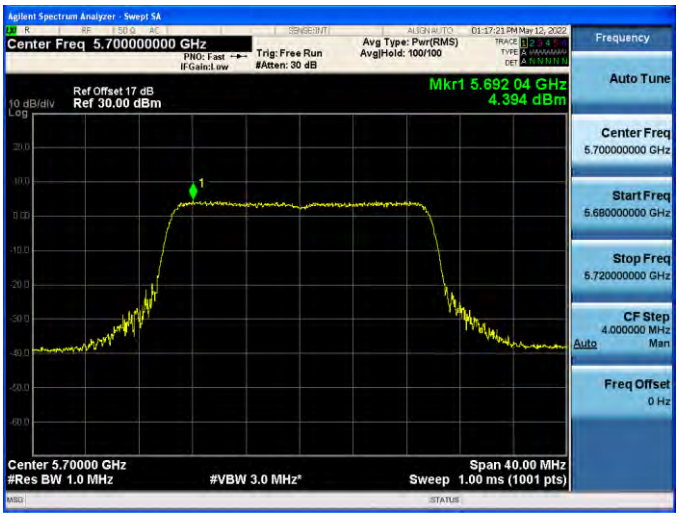
Mode 2: IEEE 802.11a Continuous TX mode_ANT-3	
5260 MHz	
5280 MHz	
5320 MHz	

Mode 2: IEEE 802.11a Continuous TX mode_ANT-3	
5500 MHz	
5560 MHz	
5700 MHz	

Mode 2: IEEE 802.11a Continuous TX mode_ANT-3	
5720 MHz	

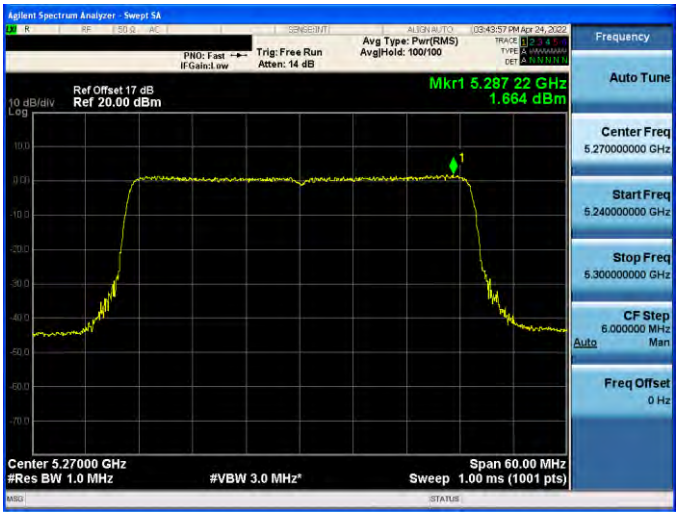
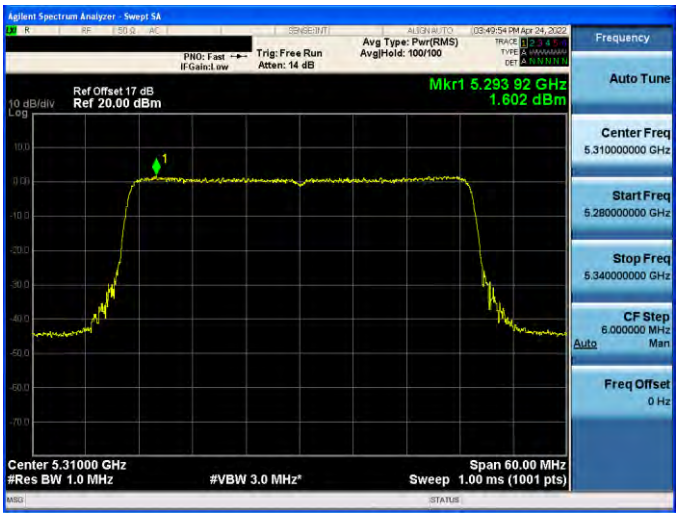
Mode 2: IEEE 802.11a Continuous TX mode_ANT-3	
5720 MHz	

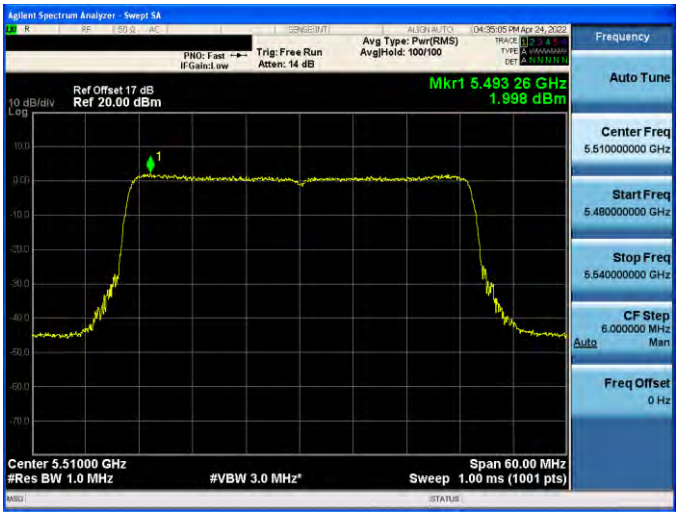
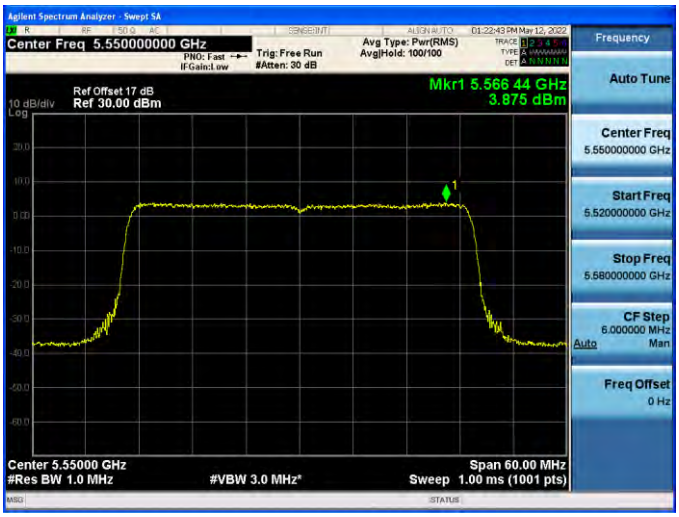
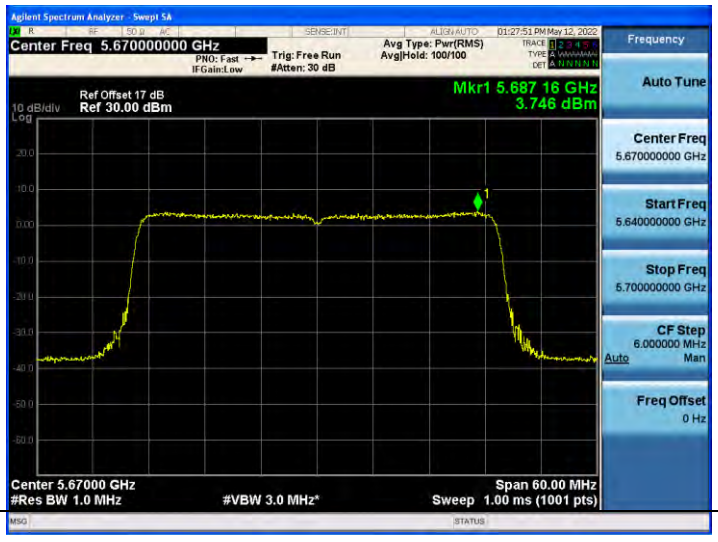
Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-3	
5260 MHz	
5280 MHz	
5320 MHz	

Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-3	
5500 MHz	
5560 MHz	
5700 MHz	

Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-3	
5720 MHz	

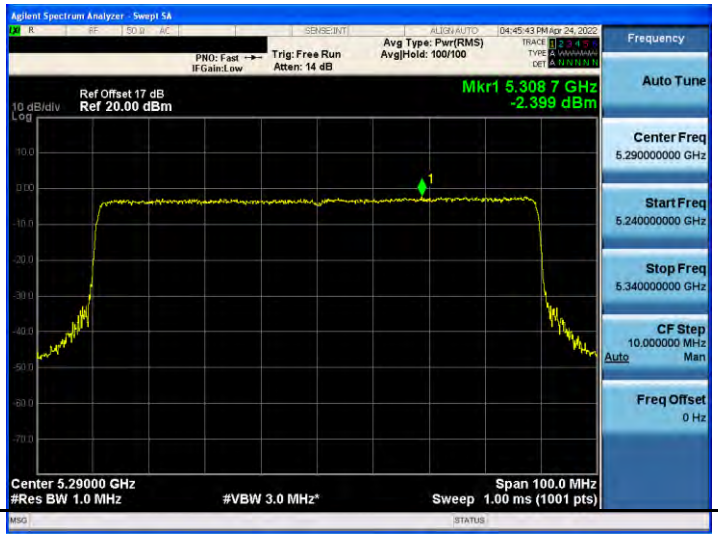
Mode 8: IEEE 802.11ax 20 MHz Continuous TX Mode_ANT-3	
5720 MHz	

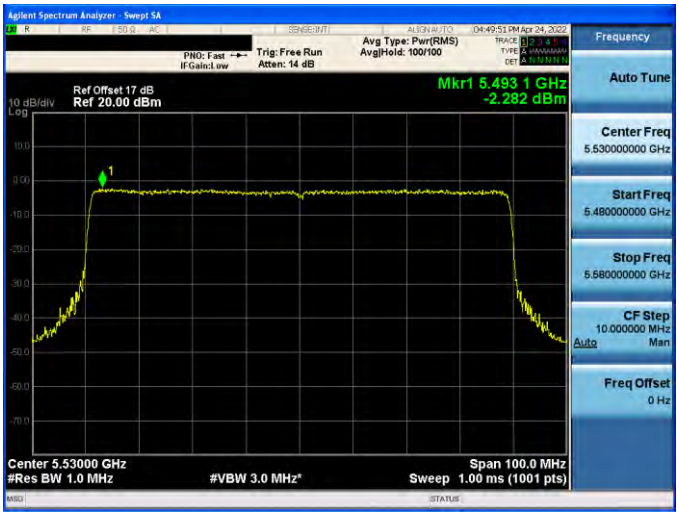
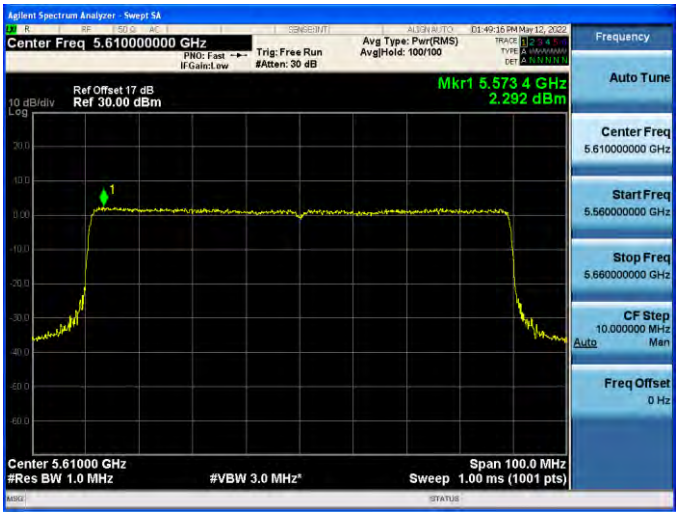
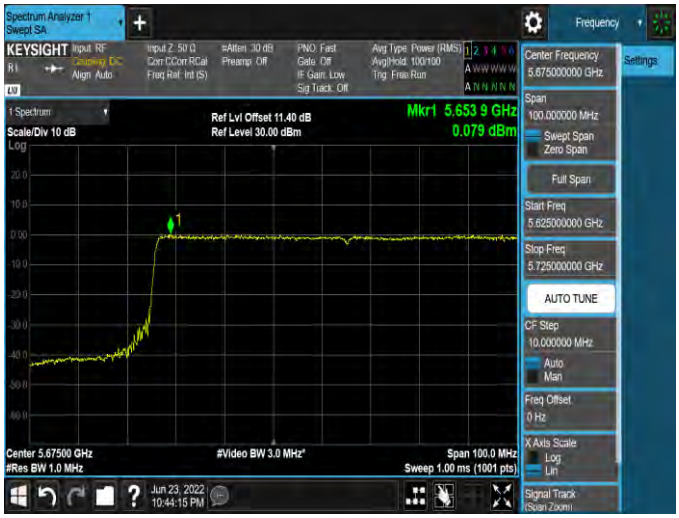
Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-3	
5270 MHz	
5310 MHz	

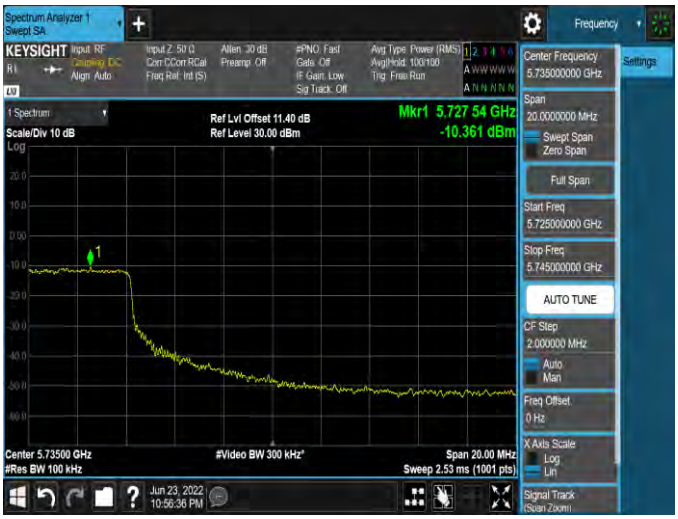
Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-3	
5510 MHz	
5550 MHz	
5670 MHz	

Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-3	
5710 MHz	

Mode 9: IEEE 802.11ax 40 MHz Continuous TX Mode_ANT-3	
5710 MHz	

Mode 10: IEEE 802.11ax 80 MHz Continuous TX Mode_ANT-3	
5290 MHz	

Mode 10: IEEE 802.11ax 80 MHz Continuous TX Mode_ANT-3	
5530 MHz	
5610 MHz	
5690 MHz	

Mode 10: IEEE 802.11ax 80 MHz Continuous TX Mode_ANT-3	
5690 MHz	

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