

## Appendix B: Occupied Channel Bandwidth

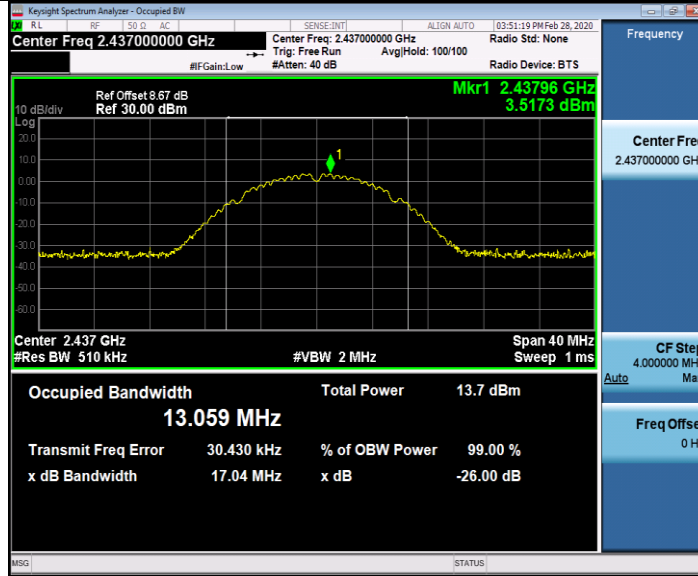
### Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.056	2405.462	2418.518	---	PASS
	Ant2	2412	13.045	2405.469	2418.514	---	PASS
	Ant1	2437	13.059	2430.501	2443.560	---	PASS
	Ant2	2437	13.053	2430.497	2443.550	---	PASS
	Ant1	2462	12.996	2455.528	2468.524	---	PASS
	Ant2	2462	13.000	2455.513	2468.513	---	PASS
11G	Ant1	2412	16.682	2403.640	2420.322	---	PASS
	Ant2	2412	16.669	2403.632	2420.301	---	PASS
	Ant1	2437	16.652	2428.682	2445.334	---	PASS
	Ant2	2437	16.620	2428.665	2445.285	---	PASS
	Ant1	2462	16.686	2453.664	2470.350	---	PASS
	Ant2	2462	16.631	2453.661	2470.292	---	PASS
11N20MIMO	Ant1	2412	17.775	2403.073	2420.848	---	PASS
	Ant2	2412	17.779	2403.079	2420.858	---	PASS
	Ant1	2437	17.755	2428.116	2445.871	---	PASS
	Ant2	2437	17.748	2428.114	2445.862	---	PASS
	Ant1	2462	17.708	2453.147	2470.855	---	PASS
	Ant2	2462	17.736	2453.125	2470.861	---	PASS
11N40MIMO	Ant1	2422	35.909	2404.054	2439.963	---	PASS
	Ant2	2422	35.878	2404.045	2439.923	---	PASS
	Ant1	2437	35.895	2419.089	2454.984	---	PASS
	Ant2	2437	35.894	2419.045	2454.939	---	PASS
	Ant1	2452	35.904	2434.101	2470.005	---	PASS
	Ant2	2452	35.863	2434.094	2469.957	---	PASS

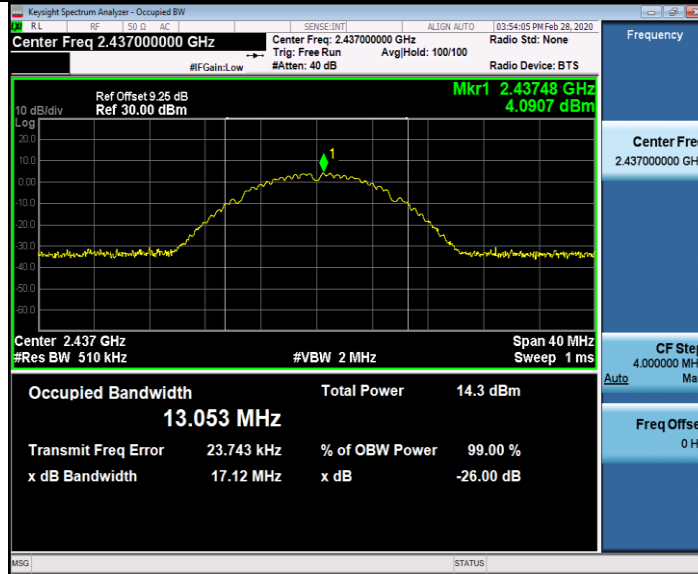
## Test Graphs



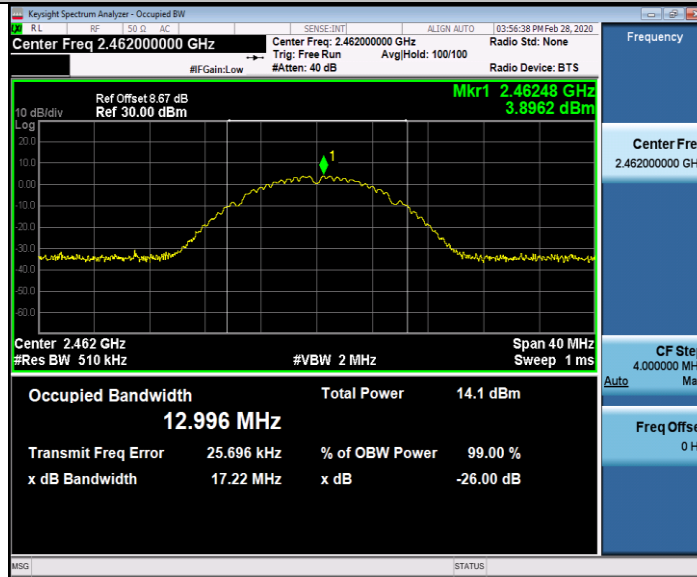
11B\_Ant1\_2437



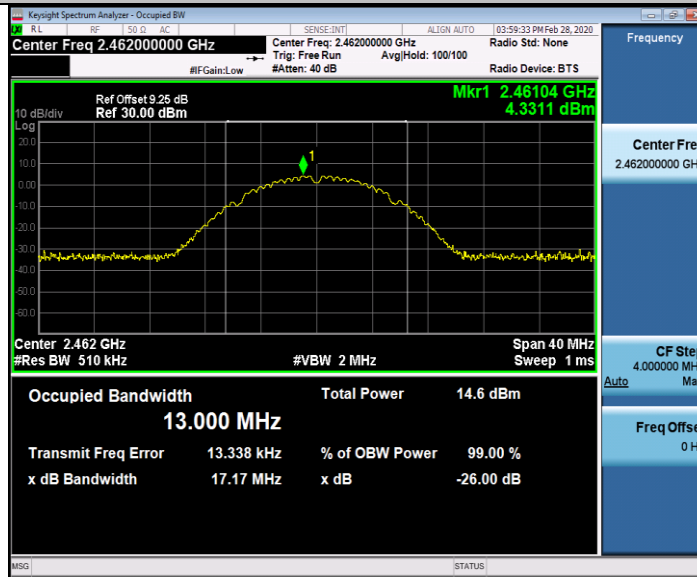
11B\_Ant2\_2437



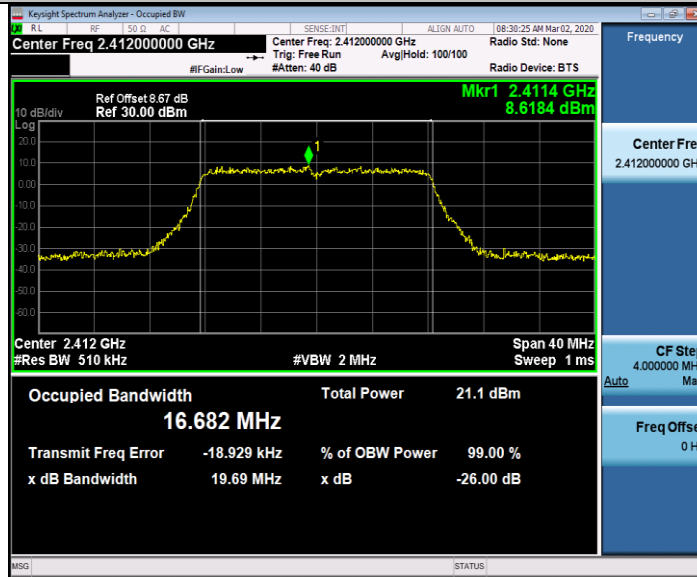
11B\_Ant1\_2462



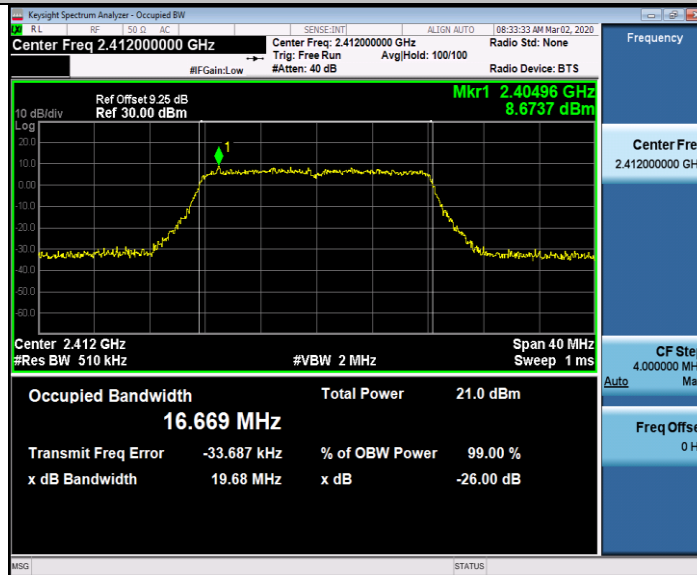
11B\_Ant2\_2462



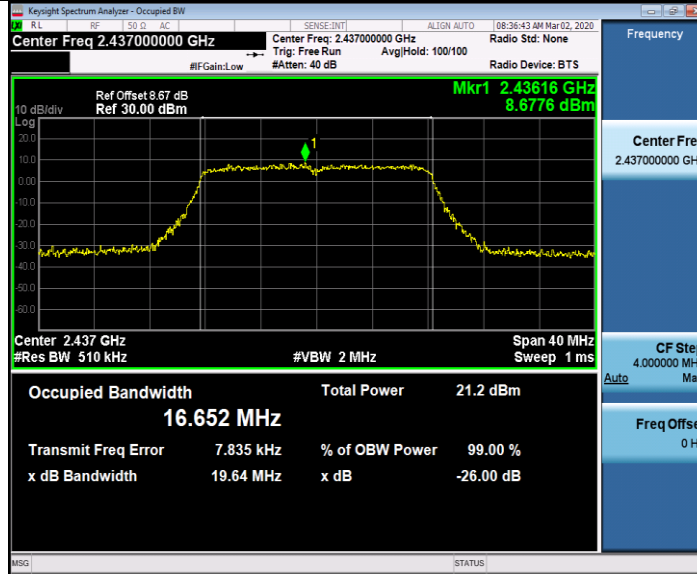
## 11G\_Ant1\_2412



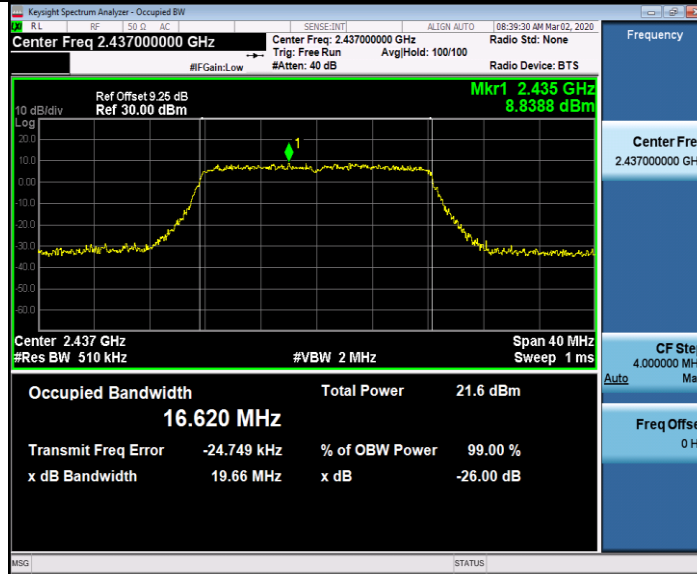
## 11G\_Ant2\_2412



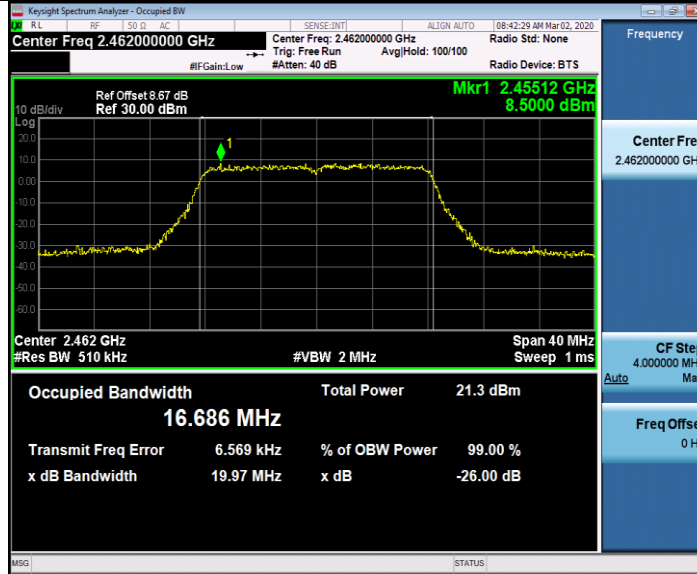
11G\_Ant1\_2437



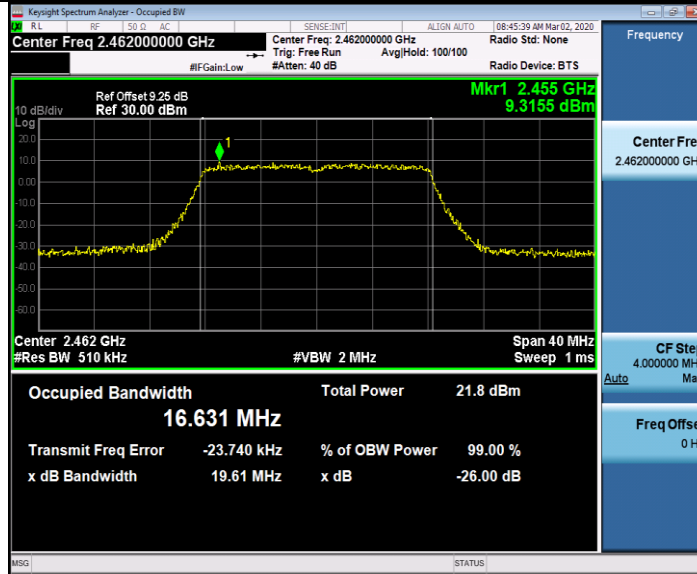
11G\_Ant2\_2437



## 11G\_Ant1\_2462



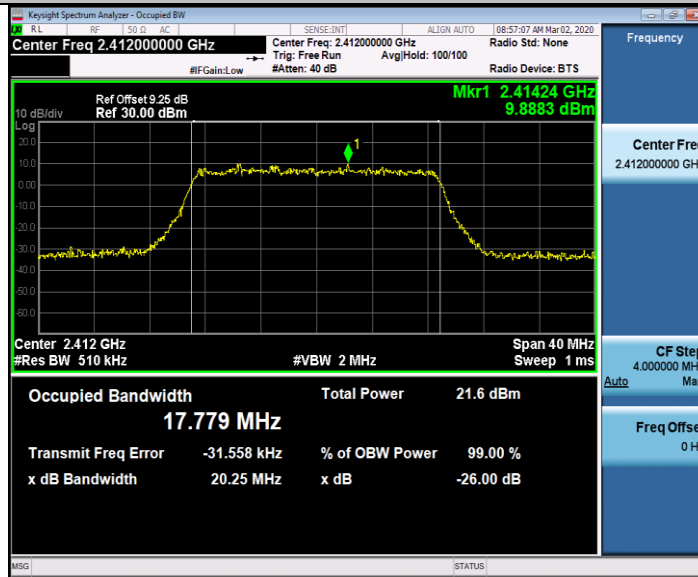
## 11G\_Ant2\_2462



11N20MIMO\_Ant1\_2412

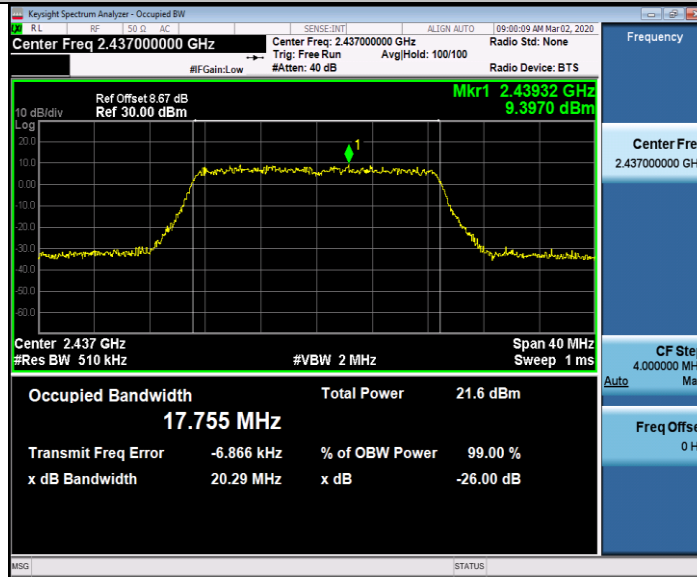


11N20MIMO\_Ant2\_2412

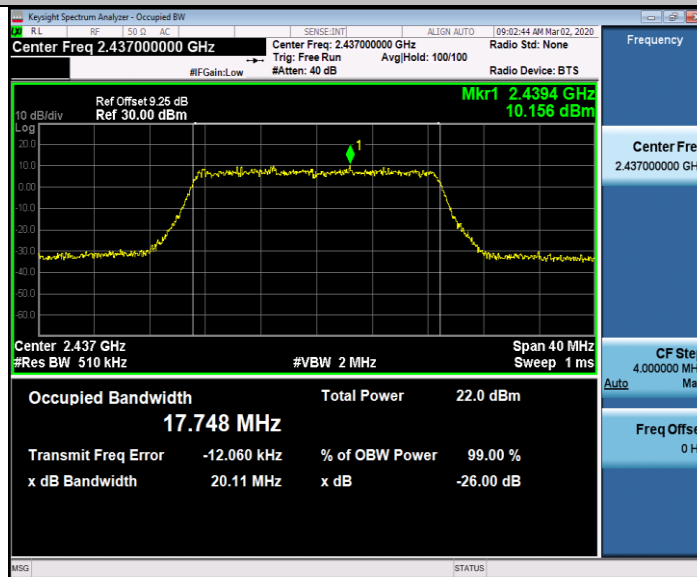




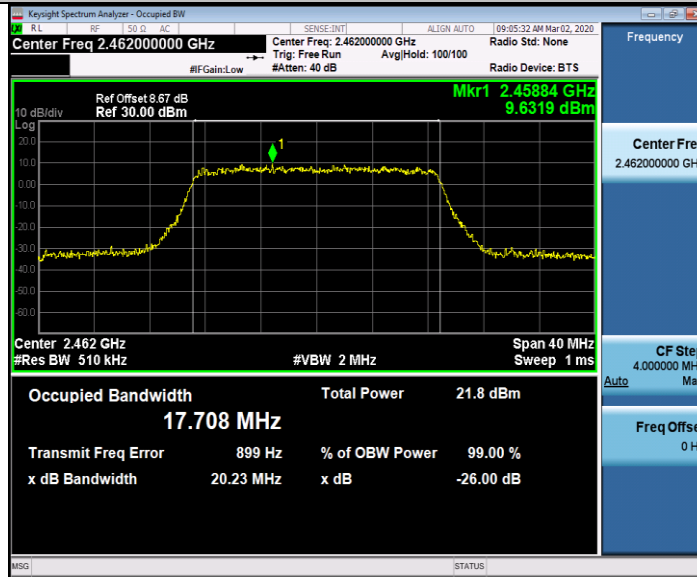
## 11N20MIMO\_Ant1\_2437



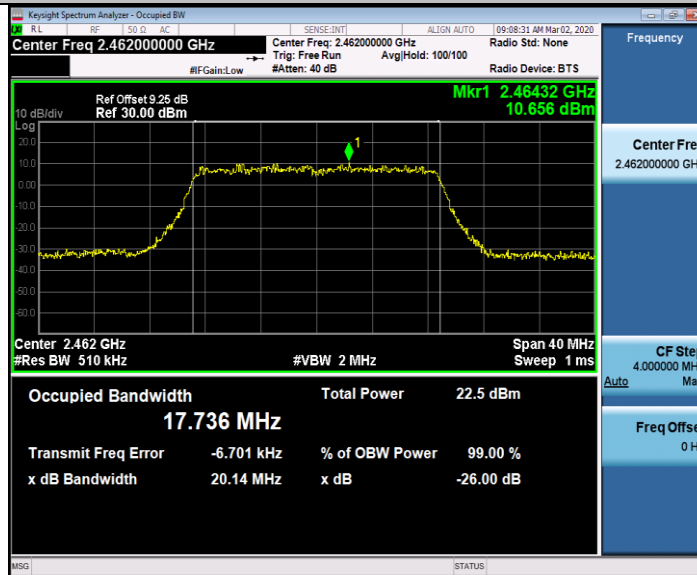
## 11N20MIMO\_Ant2\_2437



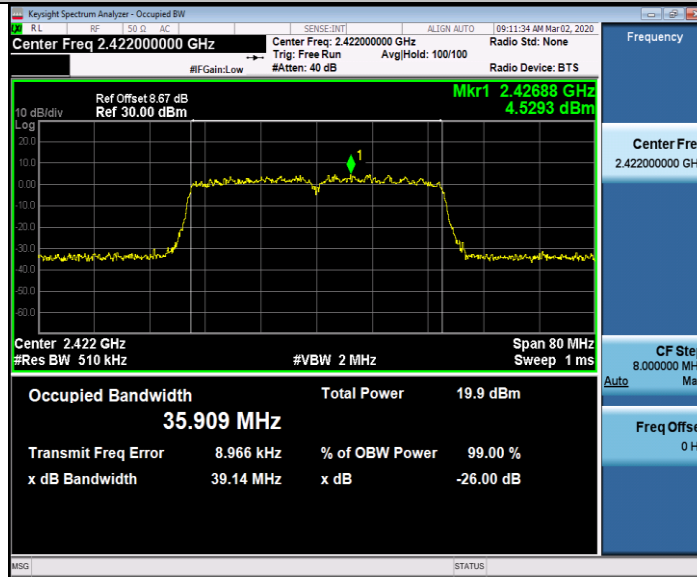
11N20MIMO\_Ant1\_2462



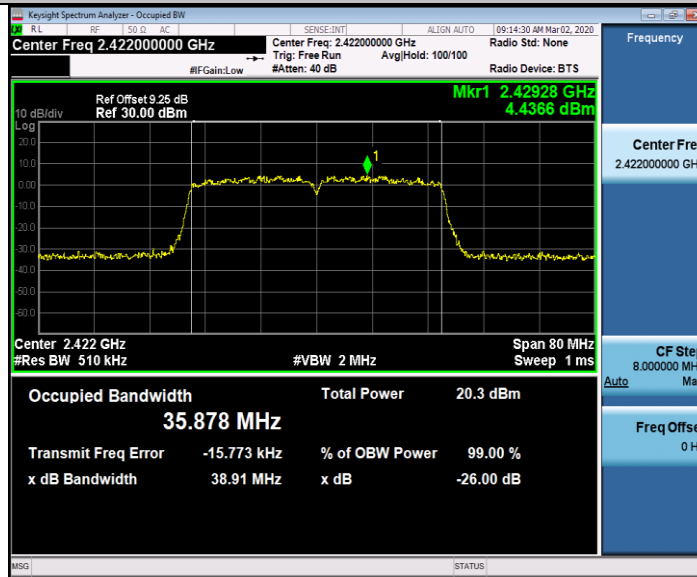
11N20MIMO\_Ant2\_2462



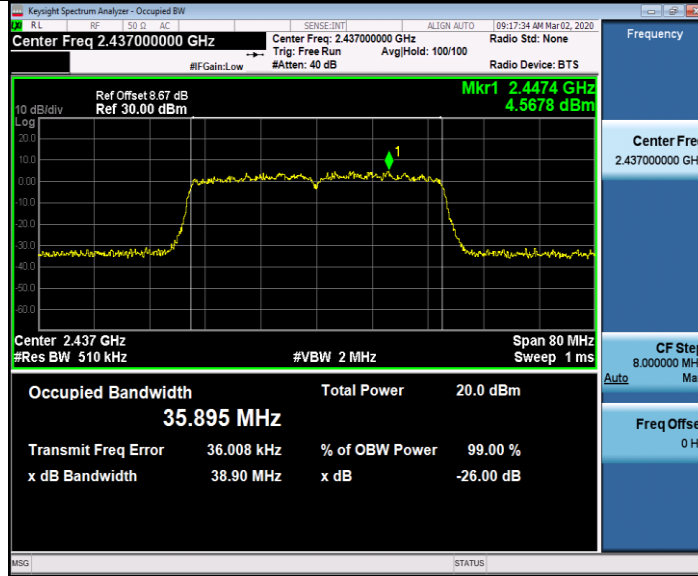
11N40MIMO\_Ant1\_2422



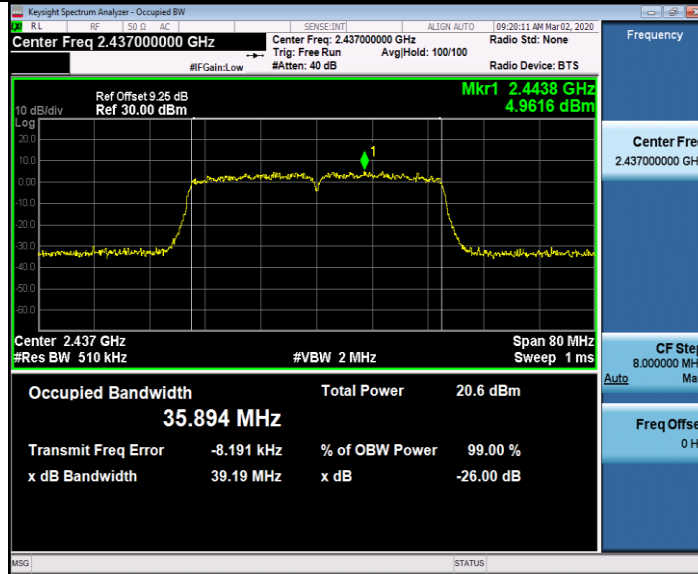
11N40MIMO\_Ant2\_2422



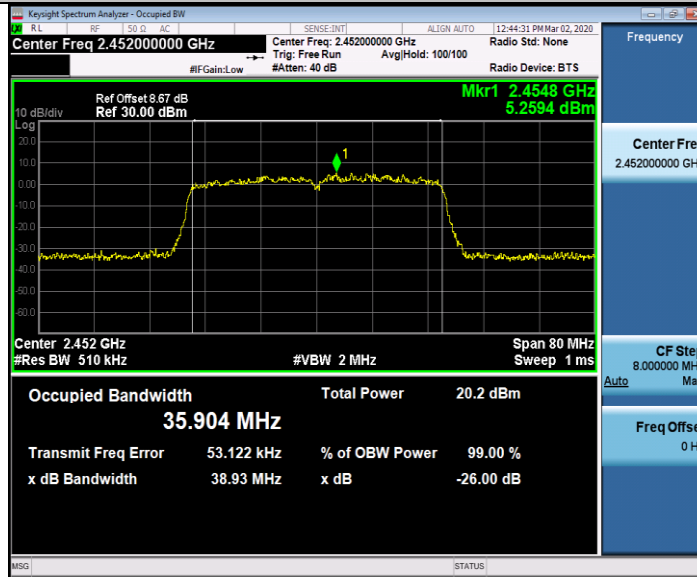
11N40MIMO\_Ant1\_2437



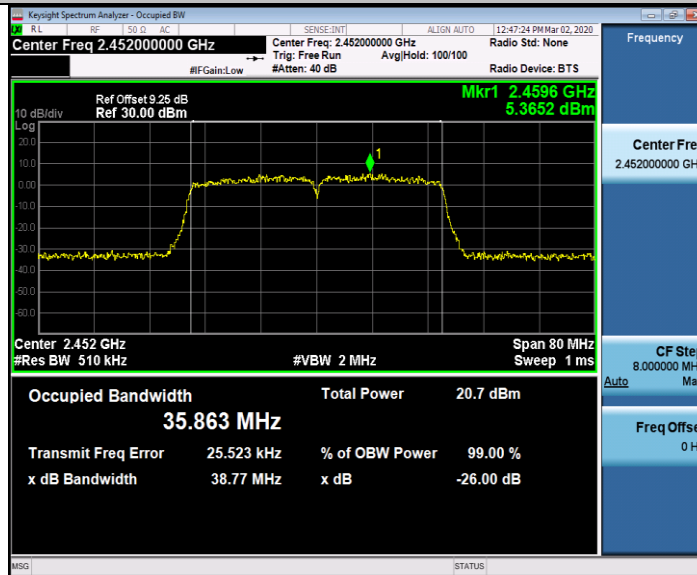
11N40MIMO\_Ant2\_2437



11N40MIMO\_Ant1\_2452



11N40MIMO\_Ant2\_2452



## Appendix C: Maximum conducted output power & E.I.R.P.

### Peak Power Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.83	<=30	PASS
	Ant2	2412	16.64	<=30	PASS
	Ant1	2437	15.25	<=30	PASS
	Ant2	2437	15.71	<=30	PASS
	Ant1	2462	15.50	<=30	PASS
	Ant2	2462	15.90	<=30	PASS
11G	Ant1	2412	21.04	<=30	PASS
	Ant2	2412	20.98	<=30	PASS
	Ant1	2437	21.06	<=30	PASS
	Ant2	2437	21.41	<=30	PASS
	Ant1	2462	21.26	<=30	PASS
	Ant2	2462	21.83	<=30	PASS
11N20MIMO	Ant1	2412	21.48	<=30	PASS
	Ant2	2412	21.60	<=30	PASS
	total	2412	24.6	<=30	PASS
	Ant1	2437	21.46	<=30	PASS
	Ant2	2437	22.13	<=30	PASS
	total	2437	24.8	<=30	PASS
	Ant1	2462	21.70	<=30	PASS
	Ant2	2462	22.24	<=30	PASS
	total	2462	25.0	<=30	PASS
11N40MIMO	Ant1	2422	19.63	<=30	PASS
	Ant2	2422	19.88	<=30	PASS
	total	2422	22.8	<=30	PASS
	Ant1	2437	19.82	<=30	PASS
	Ant2	2437	20.45	<=30	PASS
	total	2437	23.2	<=30	PASS
	Ant1	2452	20.15	<=30	PASS
	Ant2	2452	20.26	<=30	PASS
	total	2452	23.2	<=30	PASS

**E.I.R.P. Test Result**

TestMode	Antenna	Channel	E.I.R.P. Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	19.83	<=36	PASS
	Ant2	2412	19.64	<=36	PASS
	Ant1	2437	18.25	<=36	PASS
	Ant2	2437	18.71	<=36	PASS
	Ant1	2462	18.5	<=36	PASS
	Ant2	2462	18.9	<=36	PASS
11G	Ant1	2412	24.04	<=36	PASS
	Ant2	2412	23.98	<=36	PASS
	Ant1	2437	24.06	<=36	PASS
	Ant2	2437	24.41	<=36	PASS
	Ant1	2462	24.26	<=36	PASS
	Ant2	2462	24.83	<=36	PASS
11N20MIMO	total	2412	27.6	<=36	PASS
	total	2437	27.8	<=36	PASS
	total	2462	28	<=36	PASS
11N40MIMO	total	2422	25.8	<=36	PASS
	total	2437	26.2	<=36	PASS
	total	2452	26.2	<=36	PASS

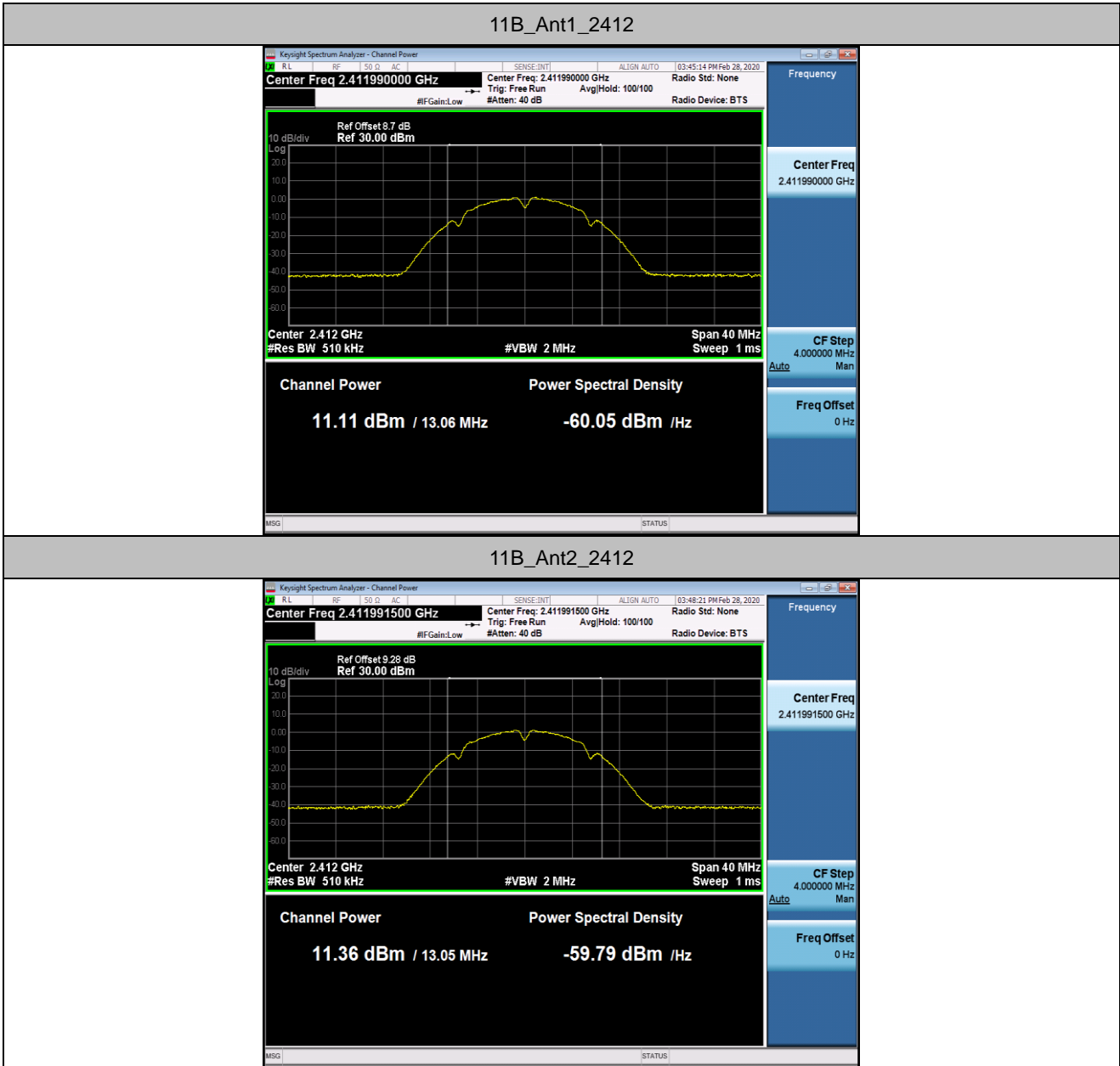
**Average Power Test Result**

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	11.11	<=30	PASS
	Ant2	2412	11.36	<=30	PASS
	Ant1	2437	11.14	<=30	PASS
	Ant2	2437	11.74	<=30	PASS
	Ant1	2462	11.69	<=30	PASS
	Ant2	2462	11.94	<=30	PASS
11G	Ant1	2412	14.79	<=30	PASS
	Ant2	2412	14.65	<=30	PASS
	Ant1	2437	14.87	<=30	PASS
	Ant2	2437	15.18	<=30	PASS
	Ant1	2462	14.95	<=30	PASS
	Ant2	2462	15.45	<=30	PASS
11N20MIMO	Ant1	2412	14.66	<=30	PASS
	Ant2	2412	14.77	<=30	PASS
	total	2412	17.7	<=30	PASS
	Ant1	2437	14.89	<=30	PASS
	Ant2	2437	15.28	<=30	PASS
	total	2437	18.1	<=30	PASS
	Ant1	2462	15.06	<=30	PASS
	Ant2	2462	16.05	<=30	PASS
	total	2462	18.6	<=30	PASS
11N40MIMO	Ant1	2422	13.03	<=30	PASS
	Ant2	2422	14.06	<=30	PASS
	total	2422	16.6	<=30	PASS
	Ant1	2437	13.26	<=30	PASS
	Ant2	2437	13.88	<=30	PASS
	total	2437	16.6	<=30	PASS
	Ant1	2452	13.47	<=30	PASS
	Ant2	2452	13.82	<=30	PASS
	total	2452	16.7	<=30	PASS

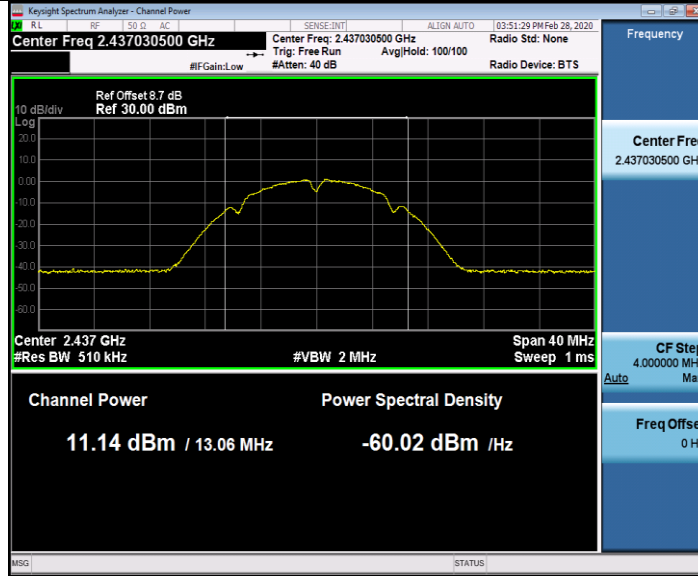
Note: Duty cycle factor had been compensated to the spectrum offset.



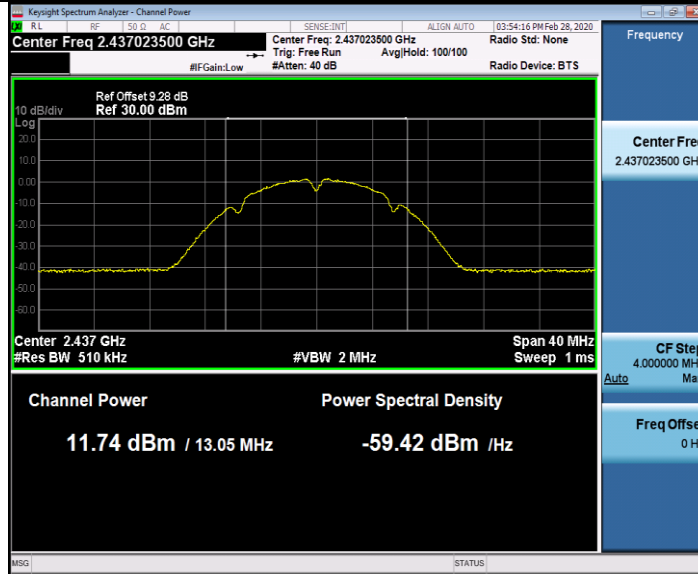
Test Graphs



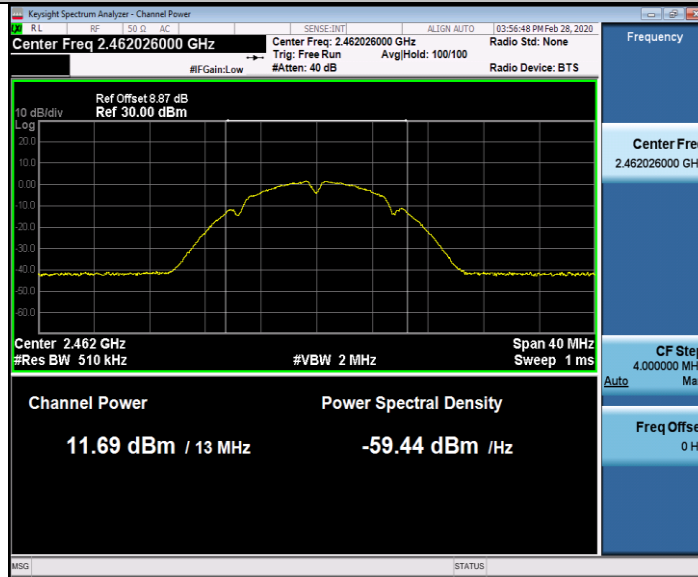
11B\_Ant1\_2437



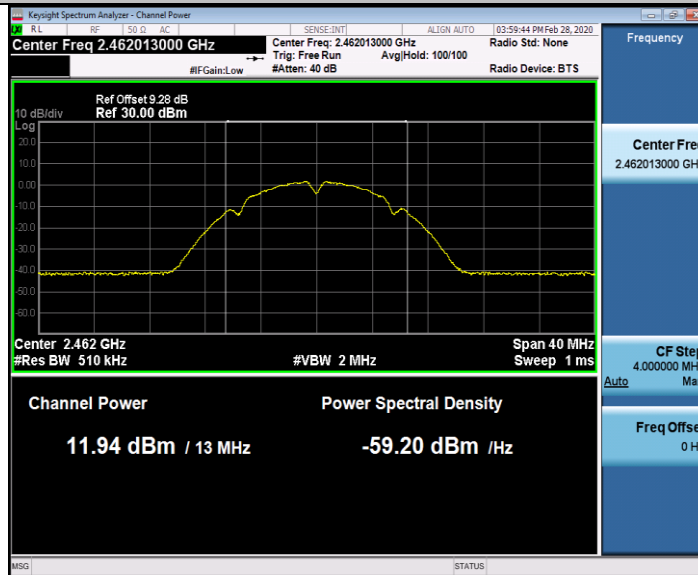
11B\_Ant2\_2437



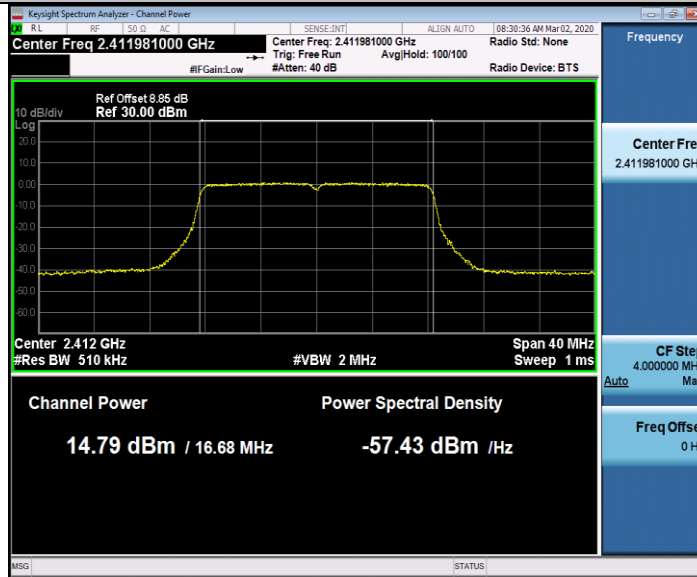
11B\_Ant1\_2462



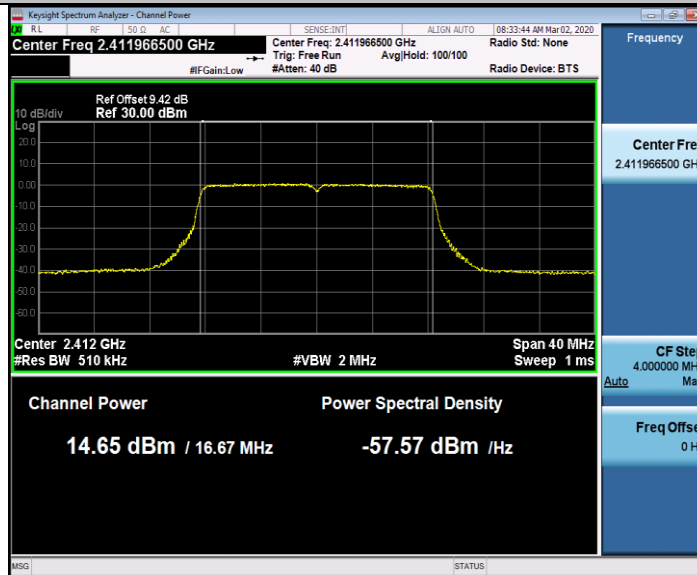
11B\_Ant2\_2462



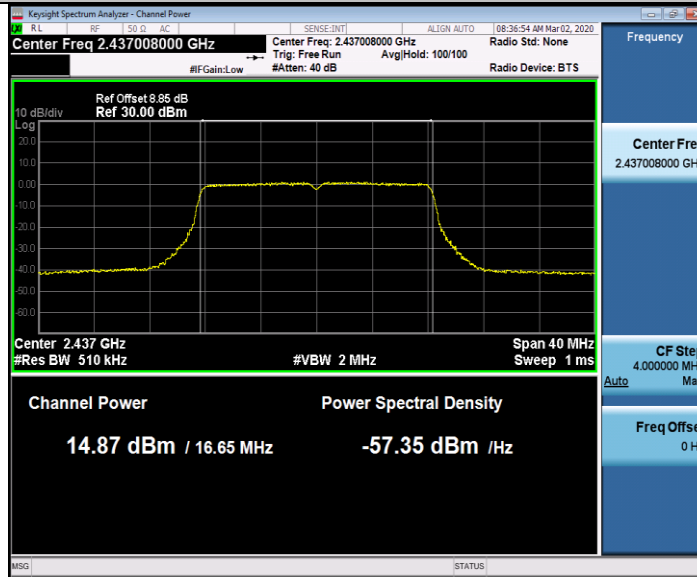
11G\_Ant1\_2412



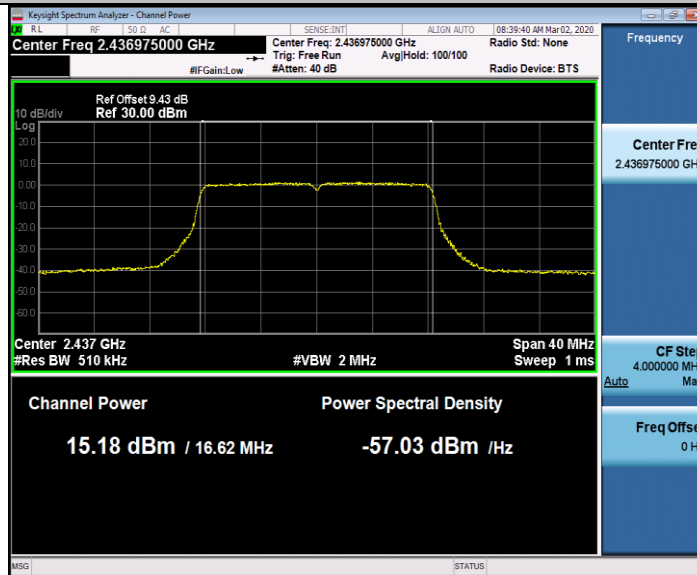
11G\_Ant2\_2412



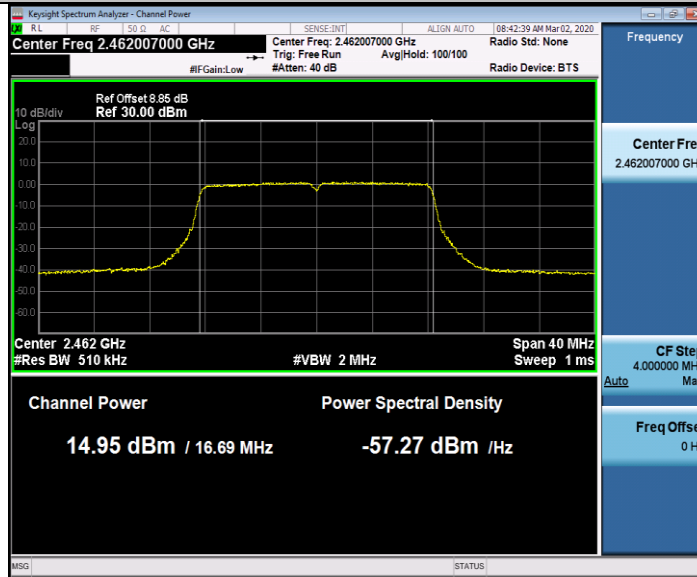
11G\_Ant1\_2437



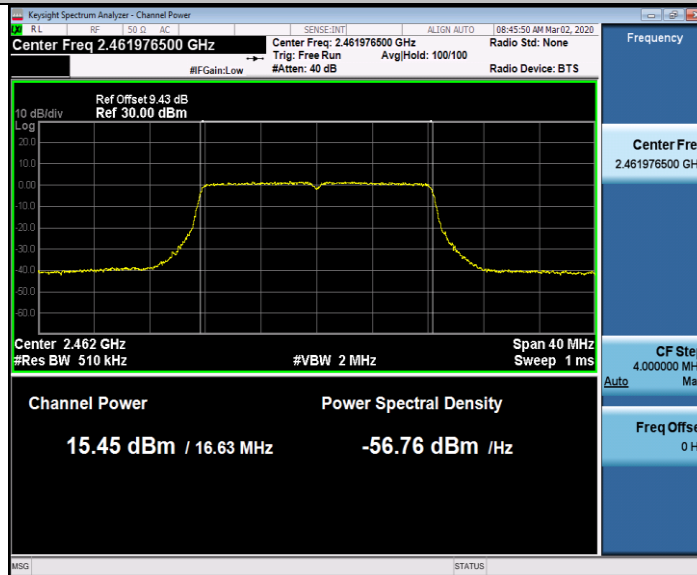
11G\_Ant2\_2437



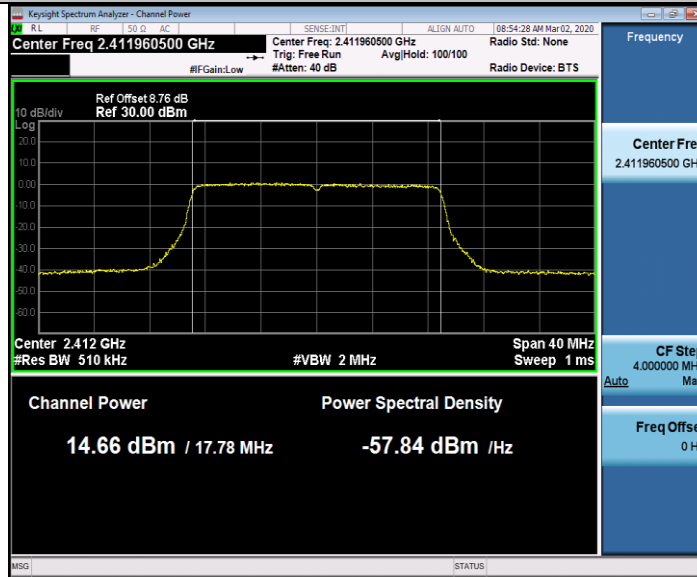
11G\_Ant1\_2462



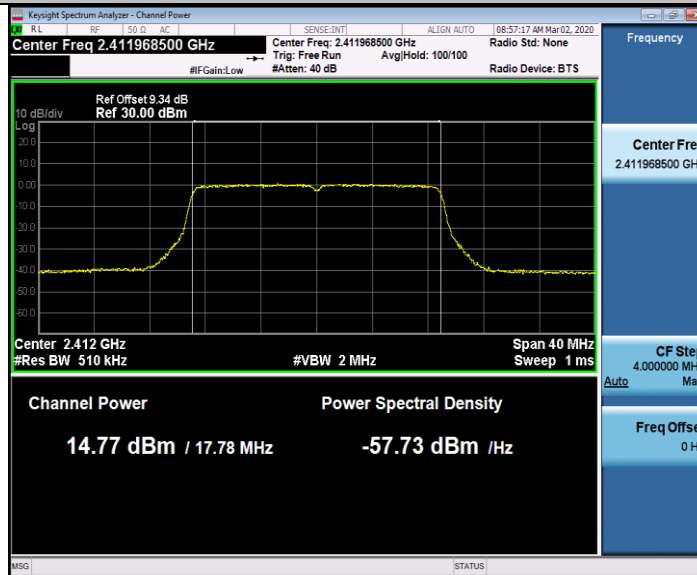
11G\_Ant2\_2462



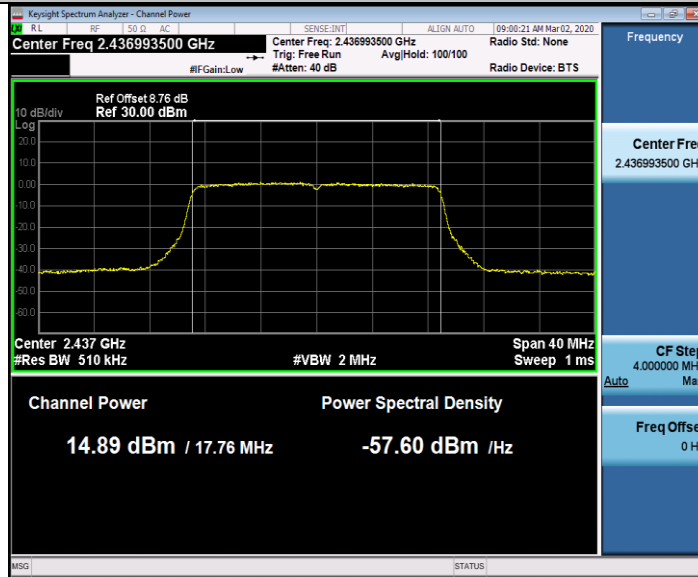
11N20MIMO\_Ant1\_2412



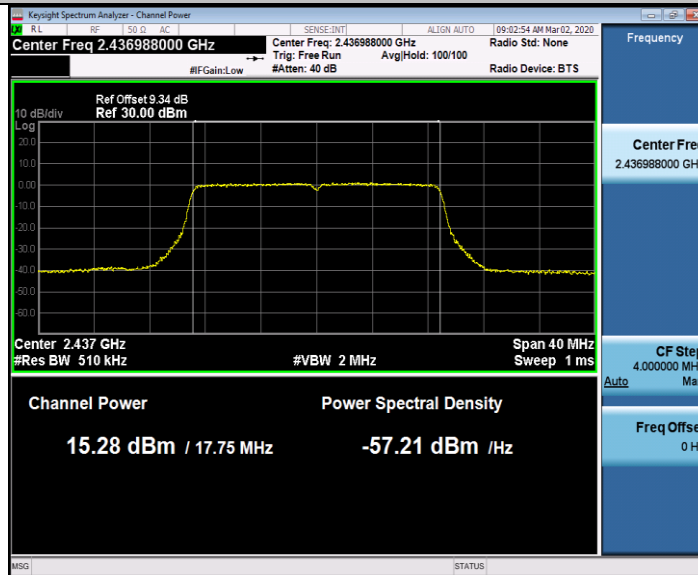
11N20MIMO\_Ant2\_2412



11N20MIMO\_Ant1\_2437

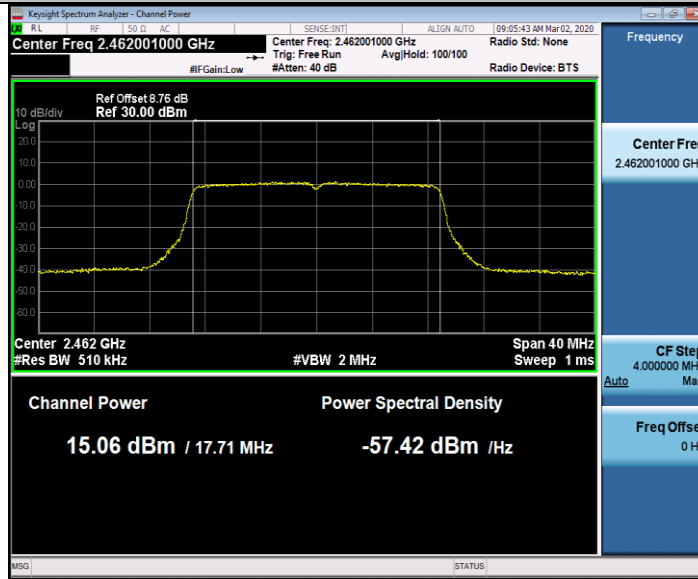


11N20MIMO\_Ant2\_2437

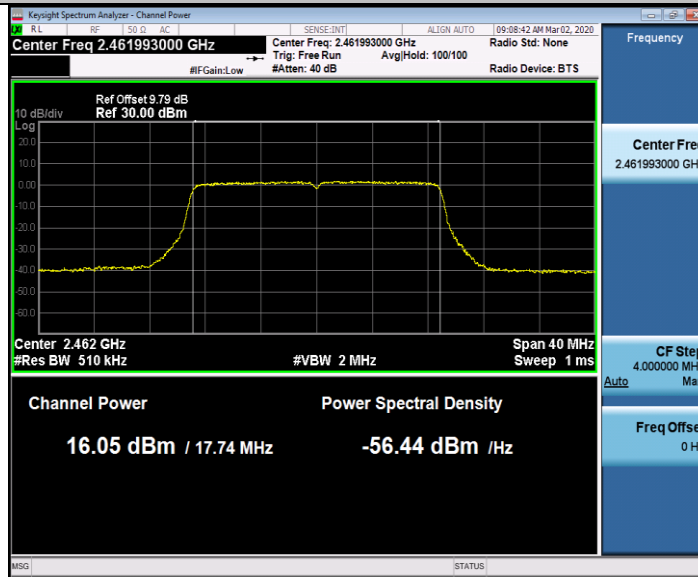




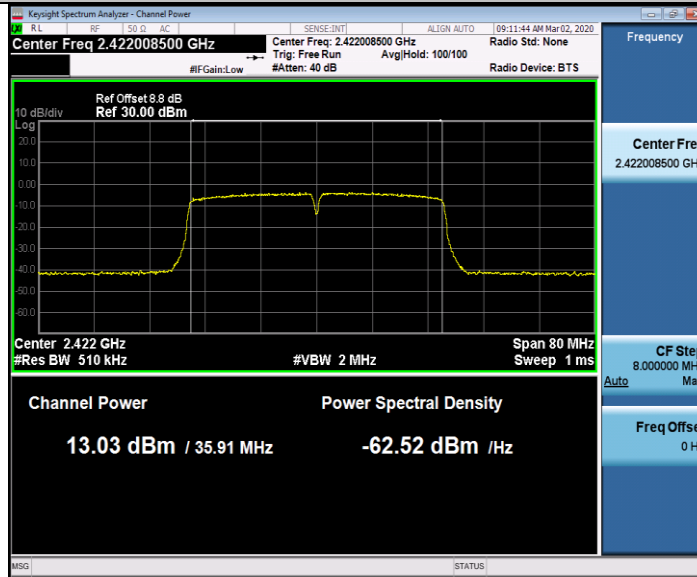
11N20MIMO\_Ant1\_2462



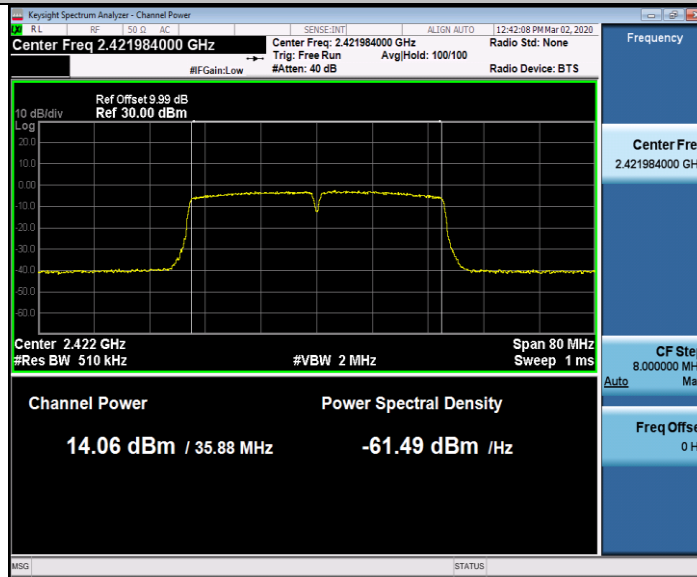
11N20MIMO\_Ant2\_2462



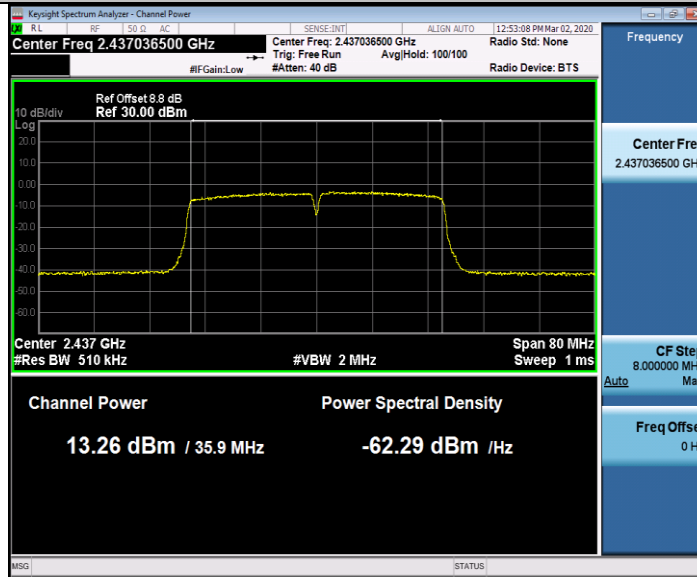
11N40MIMO\_Ant1\_2422



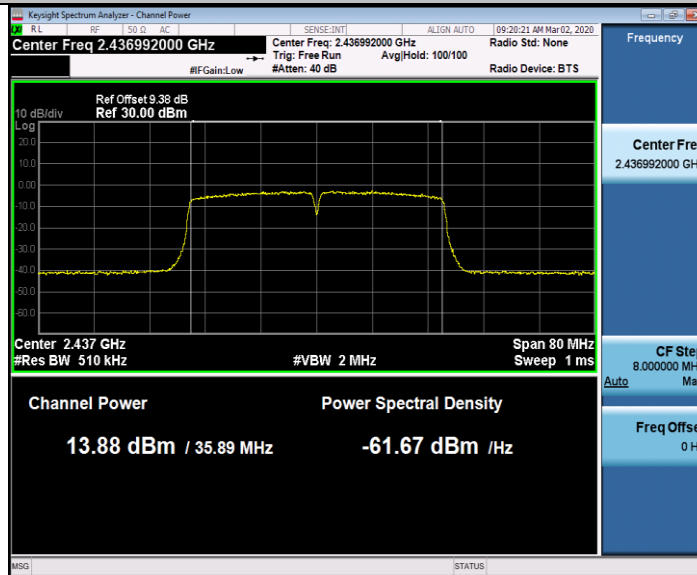
11N40MIMO\_Ant2\_2422



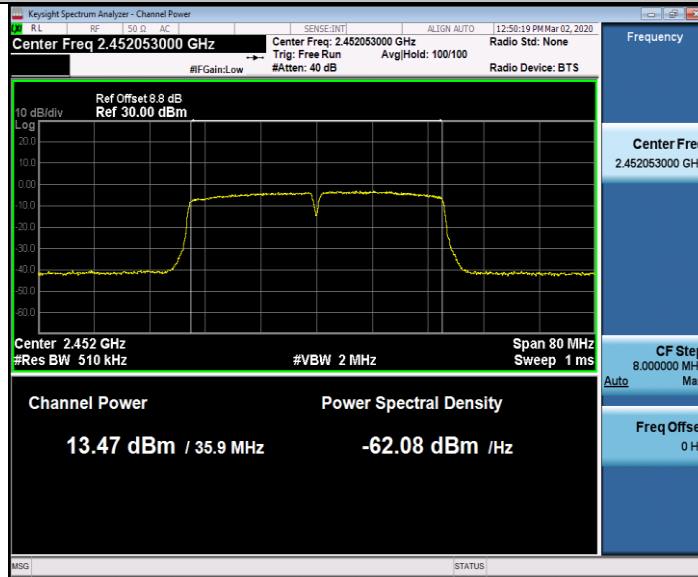
11N40MIMO\_Ant1\_2437



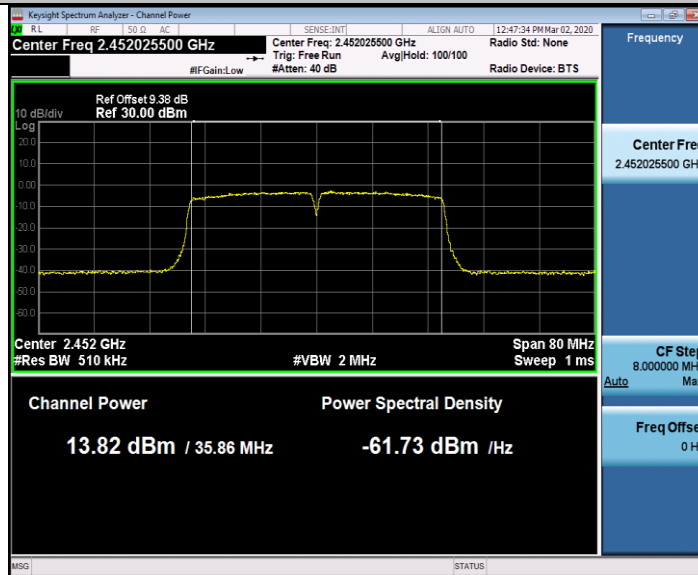
11N40MIMO\_Ant2\_2437



11N40MIMO\_Ant1\_2452



11N40MIMO\_Ant2\_2452



## Appendix D: Maximum power spectral density

### Test Result

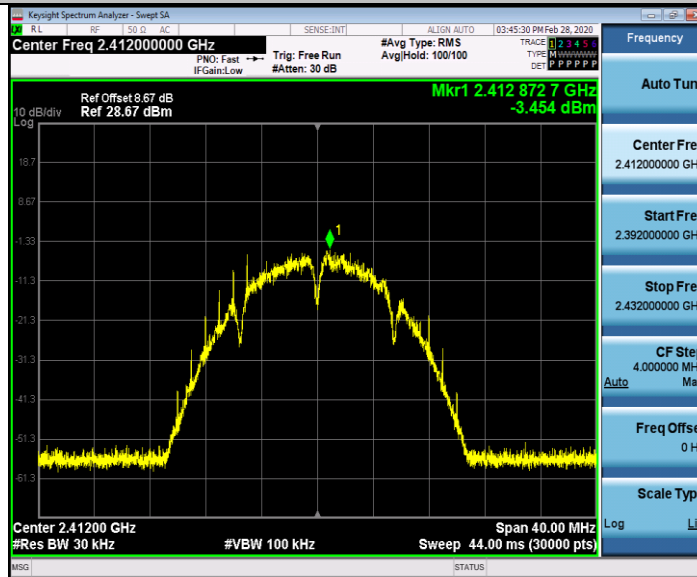
TestMode	Antenna	Channel	Result[dBm/30kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-3.45	-13.45	<=8	PASS
	Ant2	2412	-2.73	-12.73	<=8	PASS
	Ant1	2437	-1.88	-11.88	<=8	PASS
	Ant2	2437	3.67	-6.33	<=8	PASS
	Ant1	2462	3.58	-6.42	<=8	PASS
	Ant2	2462	4.08	-5.92	<=8	PASS
11G	Ant1	2412	-1.01	-11.01	<=8	PASS
	Ant2	2412	-0.36	-10.36	<=8	PASS
	Ant1	2437	-1.39	-11.39	<=8	PASS
	Ant2	2437	-1.47	-11.47	<=8	PASS
	Ant1	2462	-0.72	-10.72	<=8	PASS
	Ant2	2462	-0.56	-10.56	<=8	PASS
11N20MIMO	Ant1	2412	-1.26	-11.26	<=8	PASS
	Ant2	2412	-2.14	-12.14	<=8	PASS
	total	2412	1.33	-8.67	8	PASS
	Ant1	2437	-0.92	-10.92	<=8	PASS
	Ant2	2437	-0.83	-10.83	<=8	PASS
	total	2437	2.14	-7.86	8	PASS
	Ant1	2462	-1.64	-11.64	<=8	PASS
	Ant2	2462	-0.28	-10.28	<=8	PASS
	total	2462	2.10	-7.9	8	PASS
11N40MIMO	Ant1	2422	-5.65	-15.65	<=8	PASS
	Ant2	2422	-5.44	-15.44	<=8	PASS
	total	2422	-2.53	-12.53	8	PASS
	Ant1	2437	-4.72	-14.72	<=8	PASS
	Ant2	2437	-5.02	-15.02	<=8	PASS
	total	2437	-1.86	-11.86	8	PASS
	Ant1	2452	-4.37	-14.37	<=8	PASS
	Ant2	2452	-5.27	-15.27	<=8	PASS
	total	2452	-1.79	-11.79	8	PASS

Note: Result[dBm/3kHz]= Result[dBm/30kHz]+10Log(3KHz/30KHz)

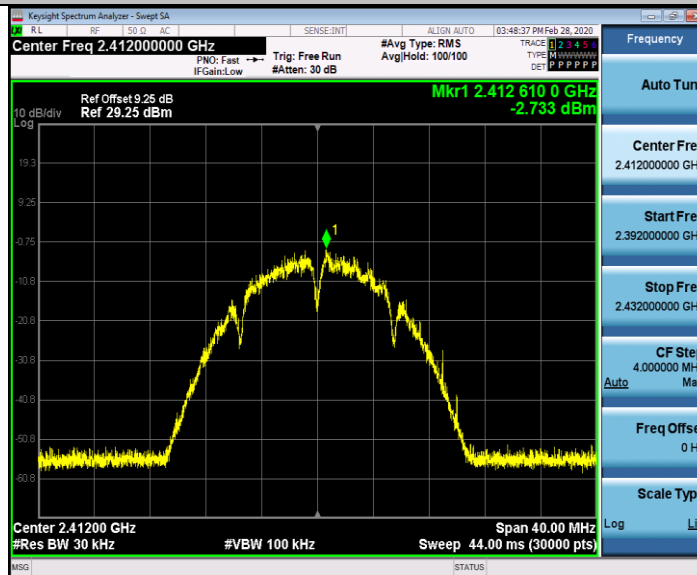
Duty cycle factor had been compensated to the spectrum offset.

## Test Graphs

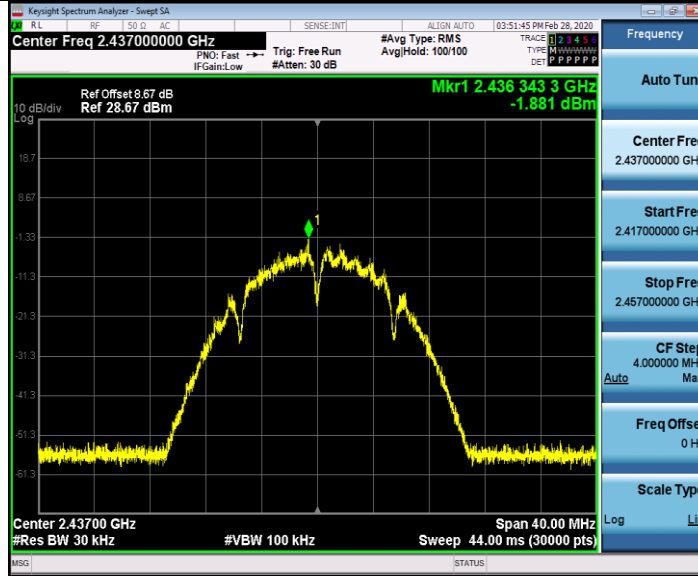
11B\_Ant1\_2412



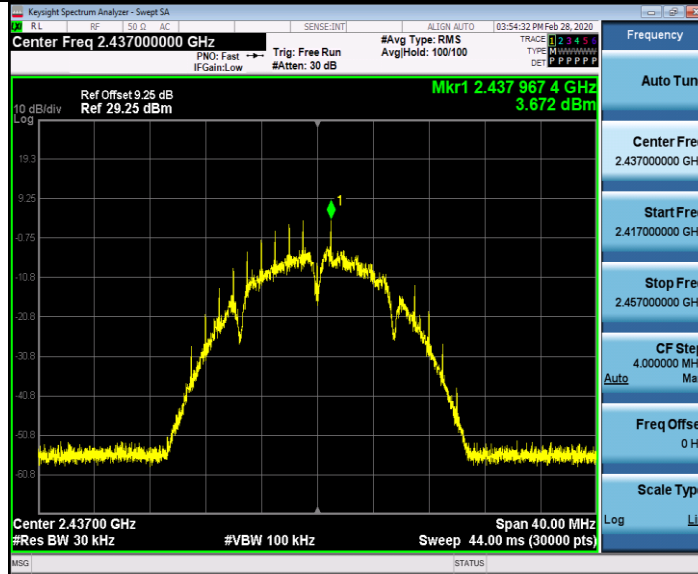
11B\_Ant2\_2412



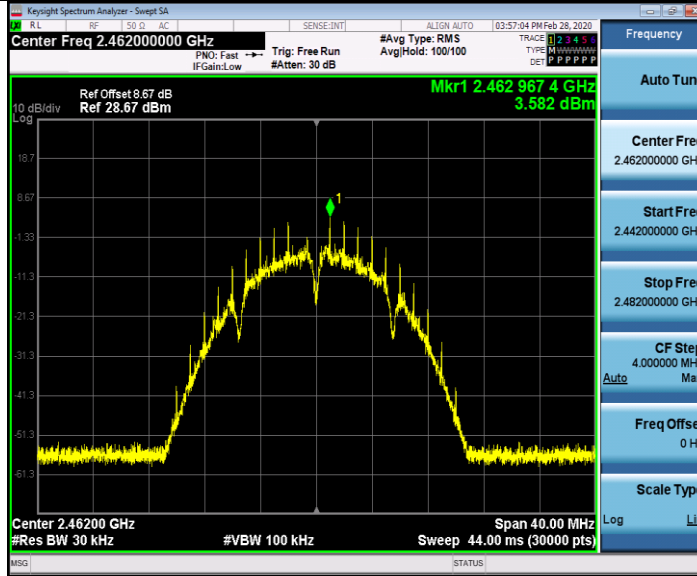
11B\_Ant1\_2437



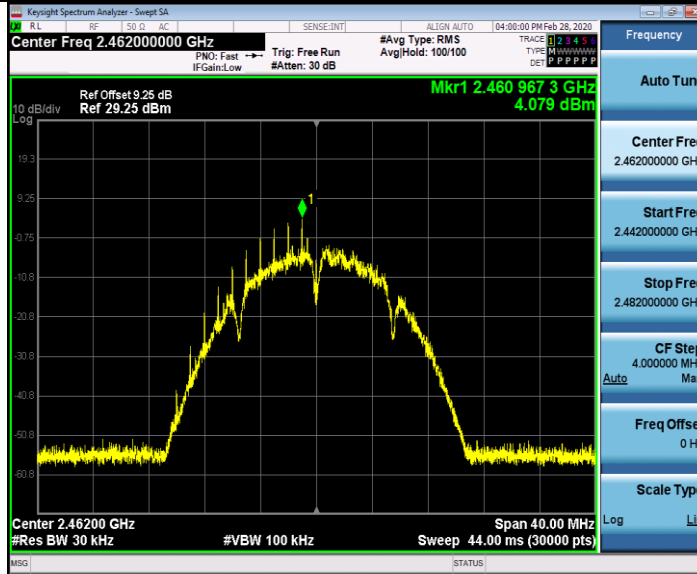
11B\_Ant2\_2437



11B\_Ant1\_2462

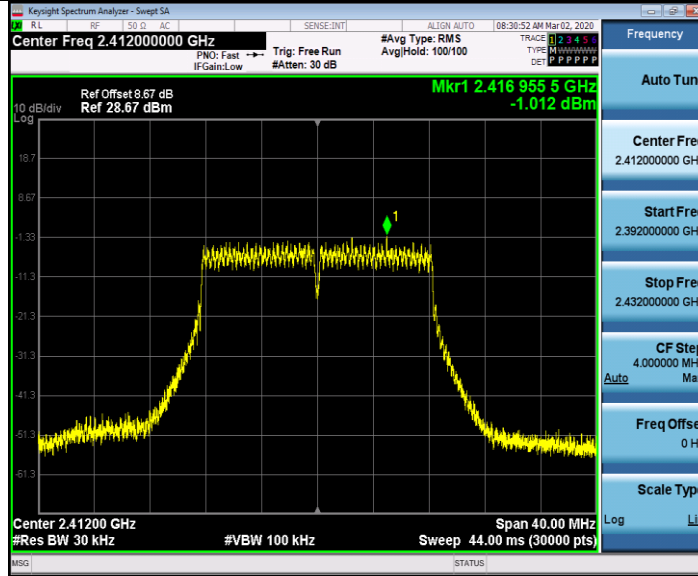


11B\_Ant2\_2462

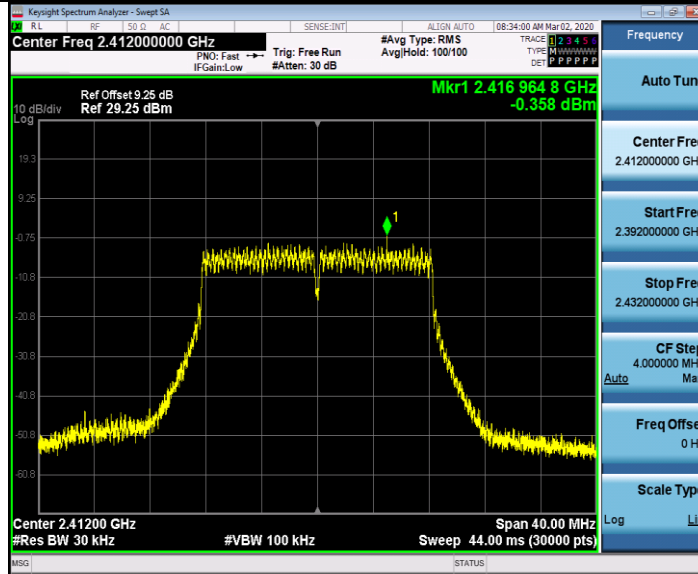




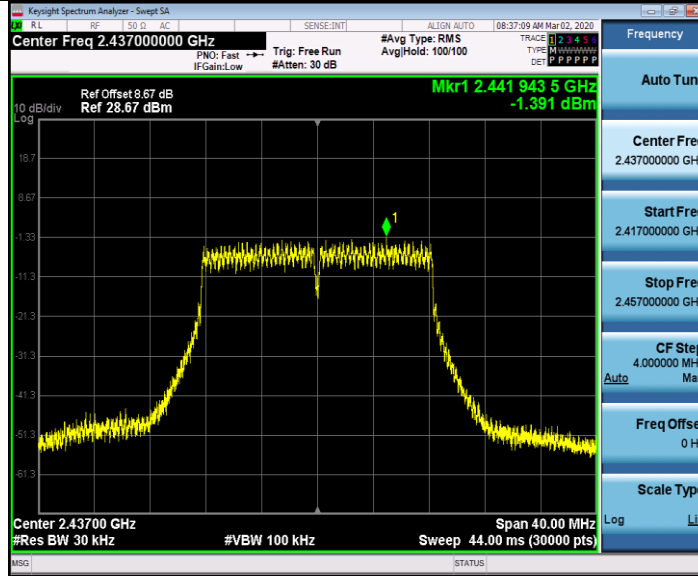
11G\_Ant1\_2412



11G\_Ant2\_2412



11G\_Ant1\_2437



11G\_Ant2\_2437

