

Appendix: 2.4G WIFI

Contents

Appendix A: DTS Bandwidth..... 3

 Test Result..... 3

 Test Graphs.....4

Appendix B: Occupied Channel Bandwidth..... 17

 Test Result..... 17

 Test Graphs..... 18

Appendix C: Maximum conducted output power.....30

 Test Result..... 30

Appendix D: Maximum power spectral density..... 32

 Test Result..... 32

 Test Graphs..... 34

Appendix E: Band edge measurements..... 52

 Test Result..... 52

 Test Graphs..... 53

Appendix F: Conducted Spurious Emission..... 61

 Test Result..... 61

 Test Graphs..... 63

Appendix G: Duty Cycle..... 99

 Test Result..... 99

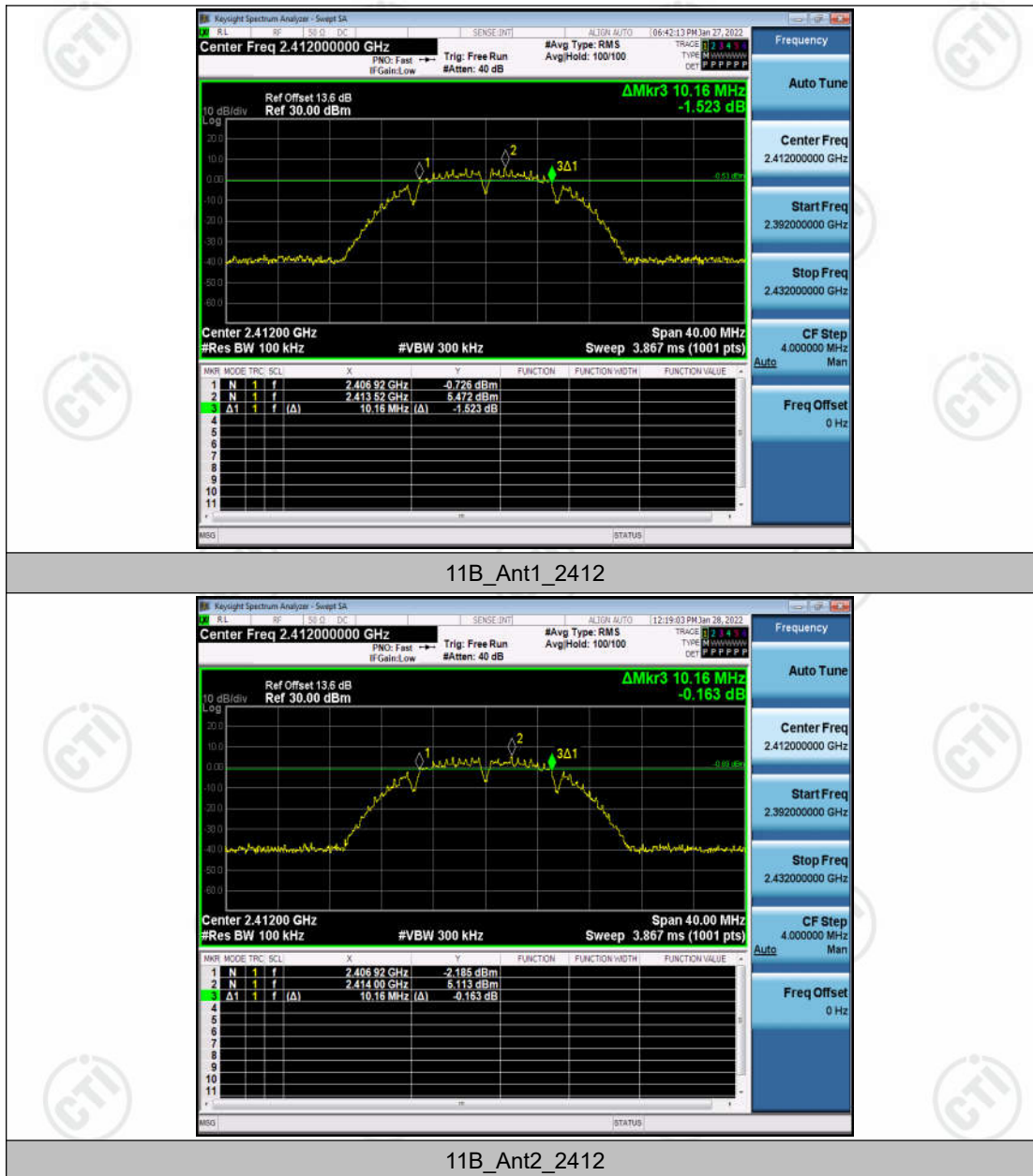
 Test Graphs..... 100

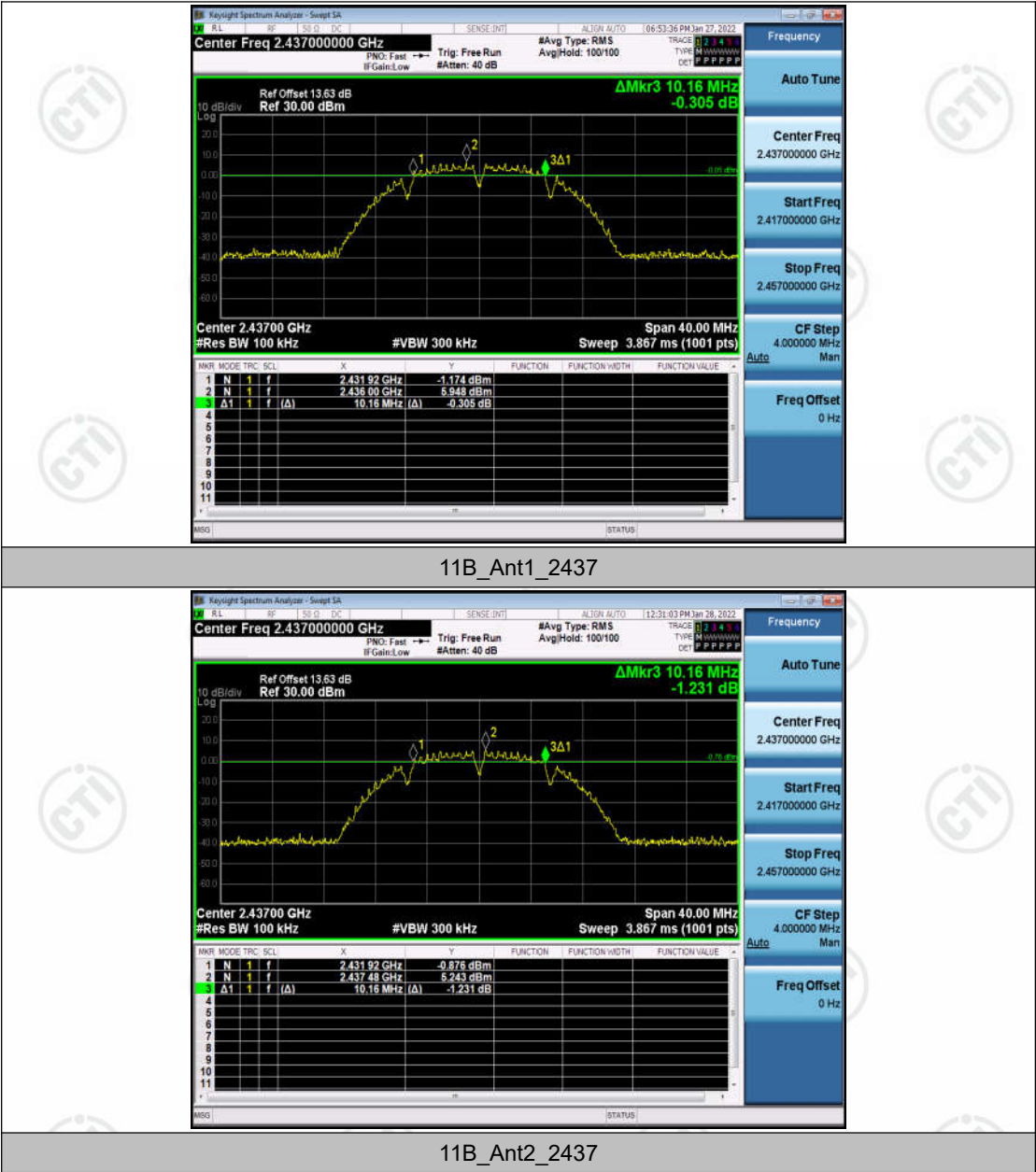
Appendix A: DTS Bandwidth

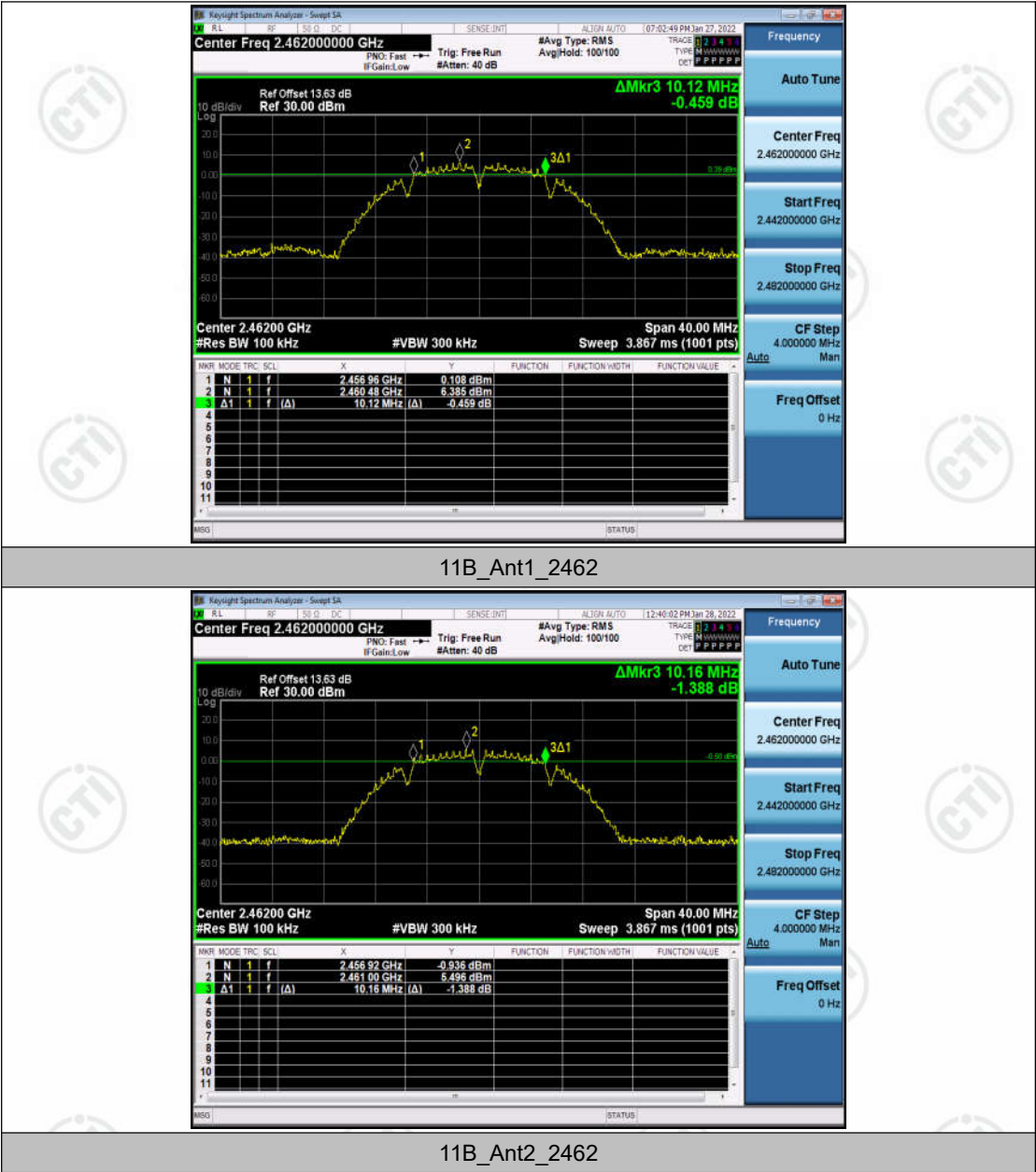
Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.160	2406.920	2417.080	0.5	PASS
	Ant2	2412	10.160	2406.920	2417.080	0.5	PASS
	Ant1	2437	10.160	2431.920	2442.080	0.5	PASS
	Ant2	2437	10.160	2431.920	2442.080	0.5	PASS
	Ant1	2462	10.120	2456.960	2467.080	0.5	PASS
	Ant2	2462	10.160	2456.920	2467.080	0.5	PASS
11G	Ant1	2412	15.720	2404.440	2420.160	0.5	PASS
	Ant2	2412	15.400	2404.440	2419.840	0.5	PASS
	Ant1	2437	15.760	2429.040	2444.800	0.5	PASS
	Ant2	2437	15.720	2429.080	2444.800	0.5	PASS
	Ant1	2462	15.920	2454.040	2469.960	0.5	PASS
	Ant2	2462	15.800	2454.080	2469.880	0.5	PASS
11N20SISO	Ant1	2412	16.520	2403.840	2420.360	0.5	PASS
	Ant2	2412	15.360	2404.440	2419.800	0.5	PASS
	Ant1	2437	14.680	2429.840	2444.520	0.5	PASS
	Ant2	2437	15.840	2429.040	2444.880	0.5	PASS
	Ant1	2462	16.960	2453.440	2470.400	0.5	PASS
	Ant2	2462	16.400	2453.800	2470.200	0.5	PASS
11N40SISO	Ant1	2422	35.200	2404.400	2439.600	0.5	PASS
	Ant2	2422	34.880	2404.720	2439.600	0.5	PASS
	Ant1	2437	35.200	2419.400	2454.600	0.5	PASS
	Ant2	2437	35.200	2419.400	2454.600	0.5	PASS
	Ant1	2452	35.360	2434.320	2469.680	0.5	PASS
	Ant2	2452	35.120	2434.400	2469.520	0.5	PASS

Test Graphs

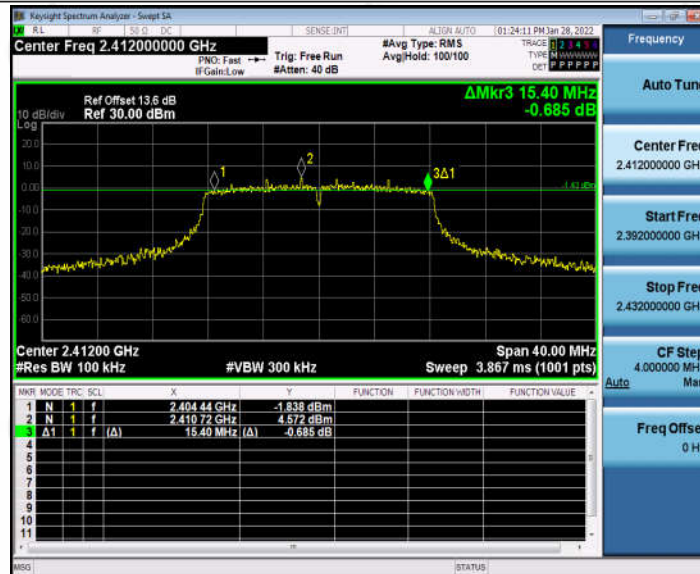




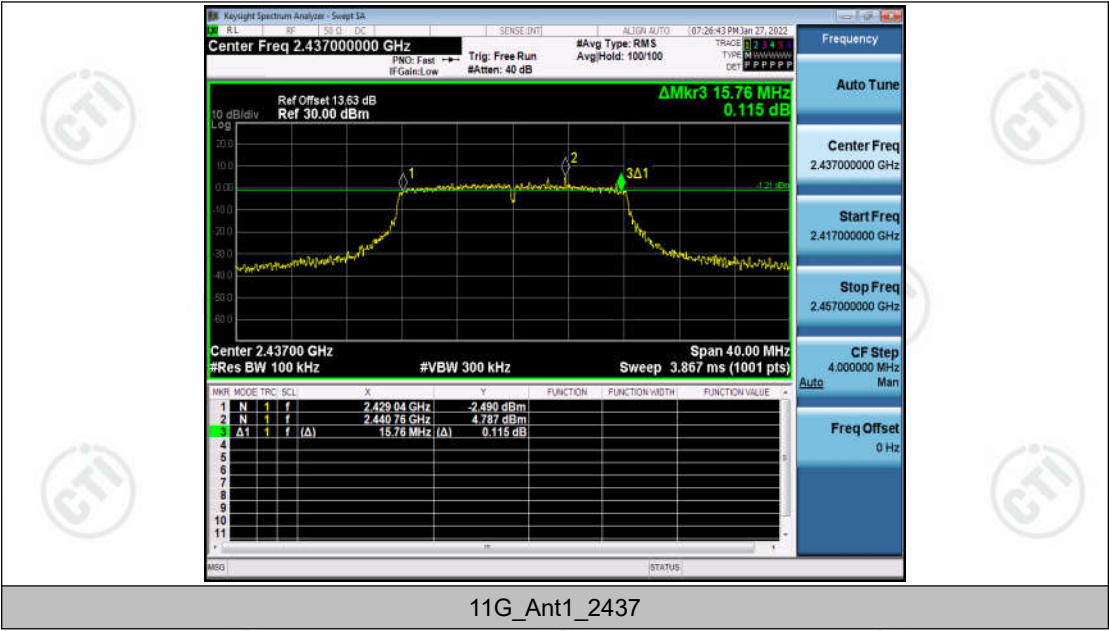


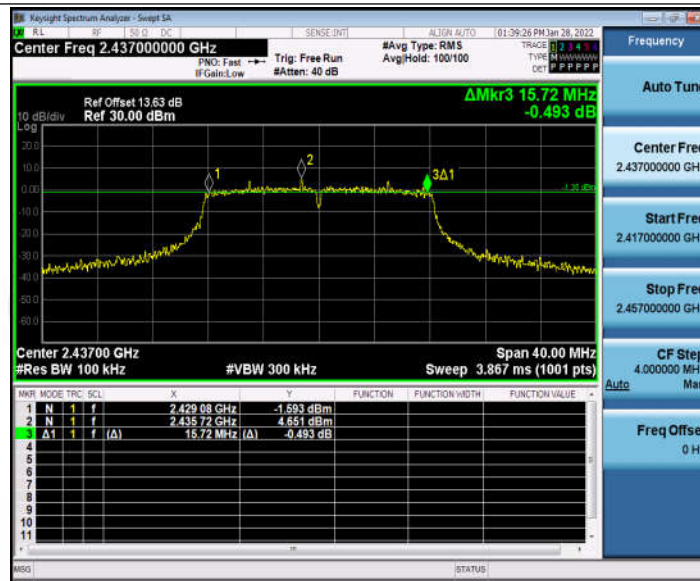


11G_Ant1_2412

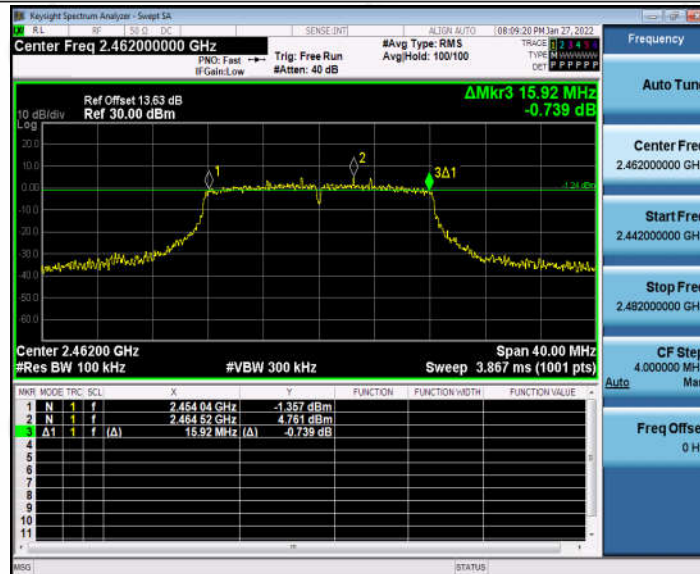


11G_Ant2_2412

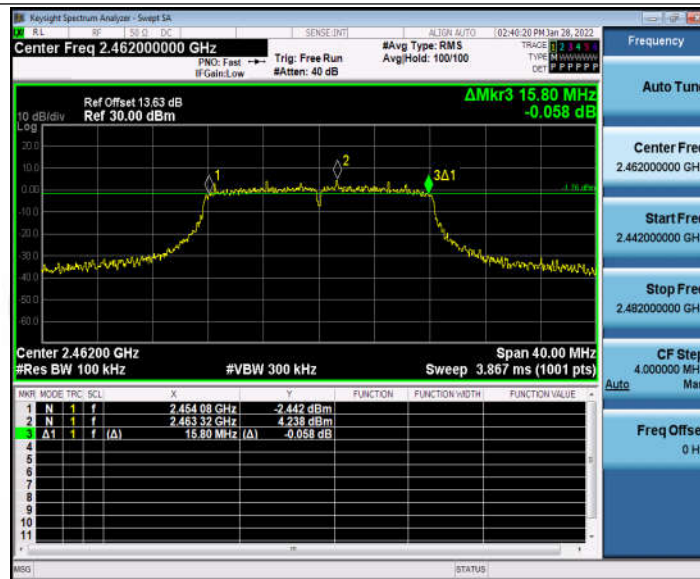




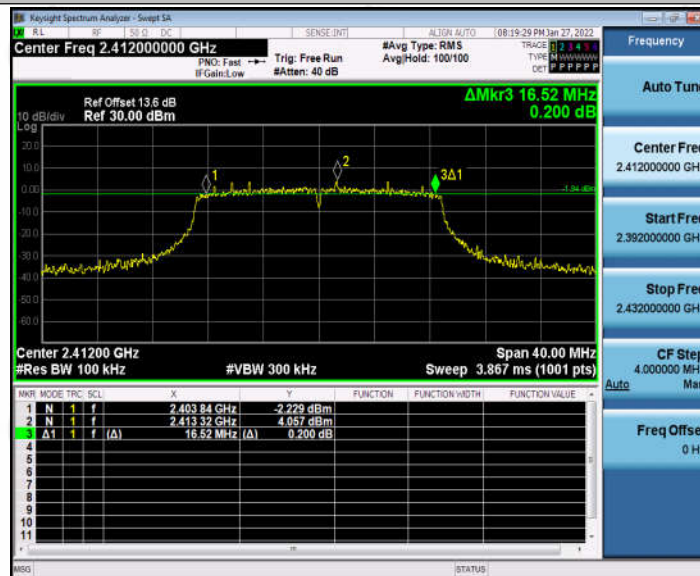
11G_Ant2_2437



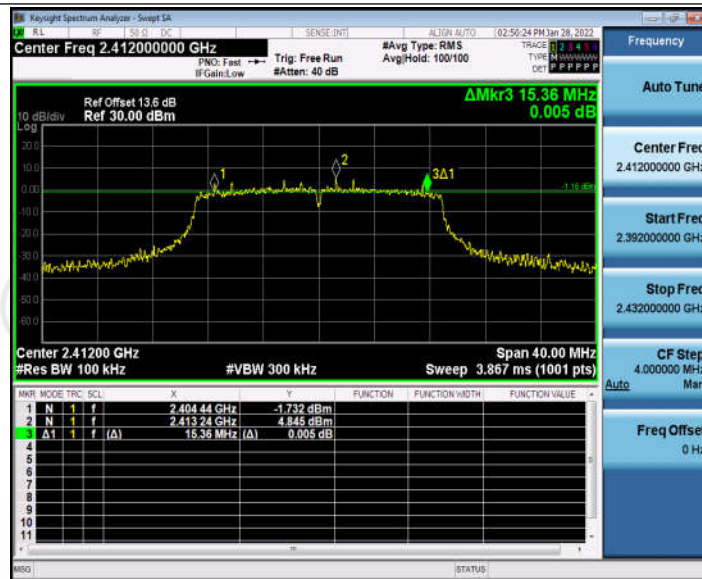
11G_Ant1_2462



11G_Ant2_2462



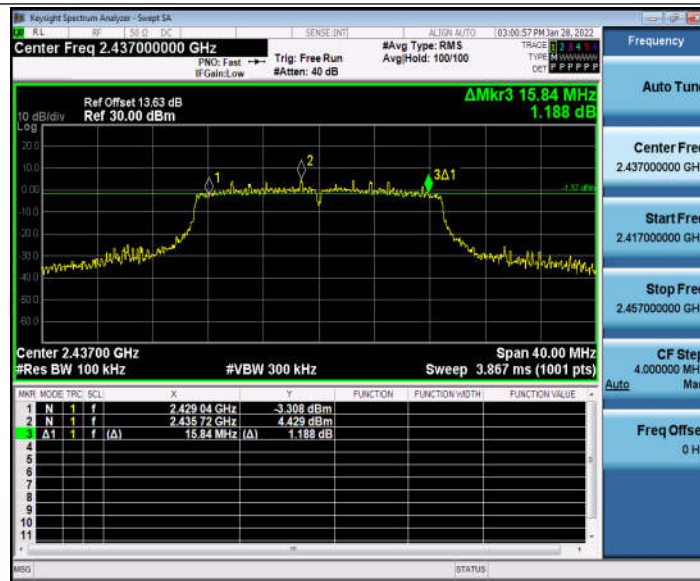
11N20SISO_Ant1_2412



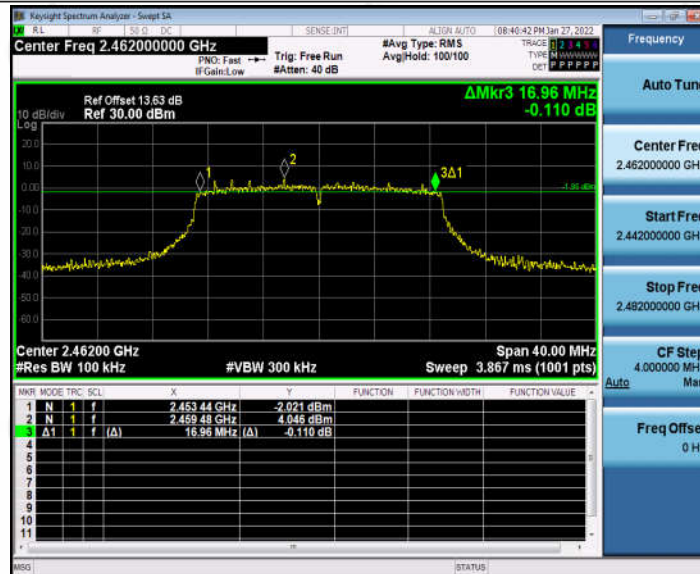
11N20SISO_Ant2_2412



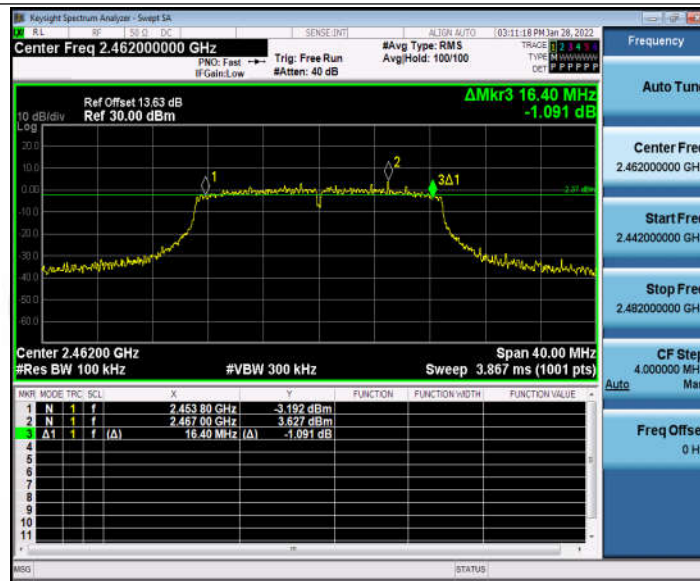
11N20SISO_Ant1_2437



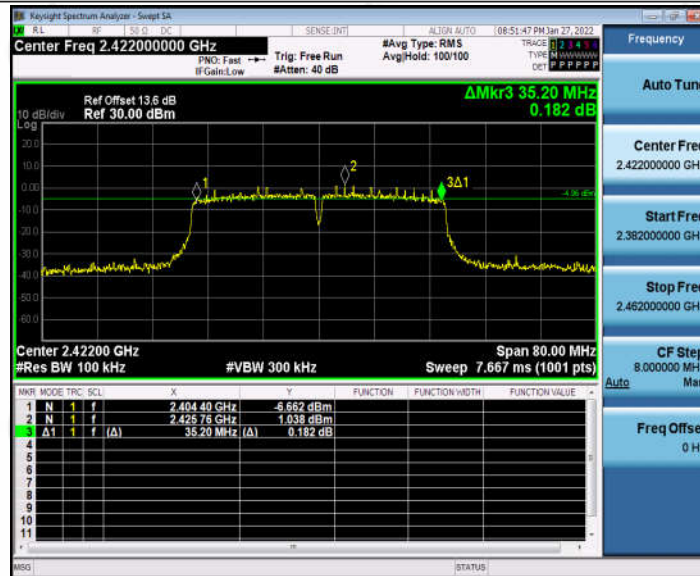
11N20SISO_Ant2_2437



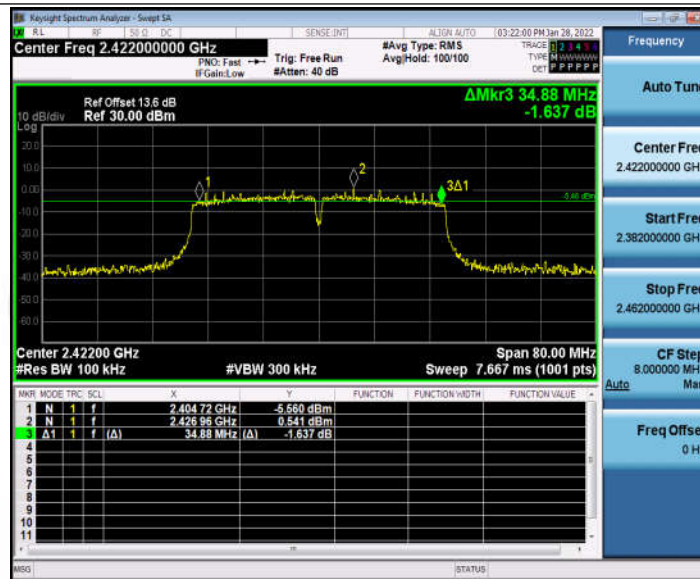
11N20SISO_Ant1_2462



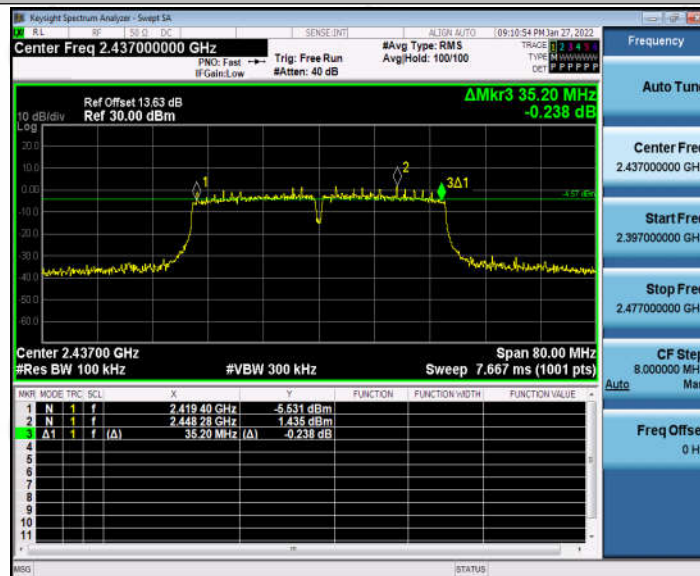
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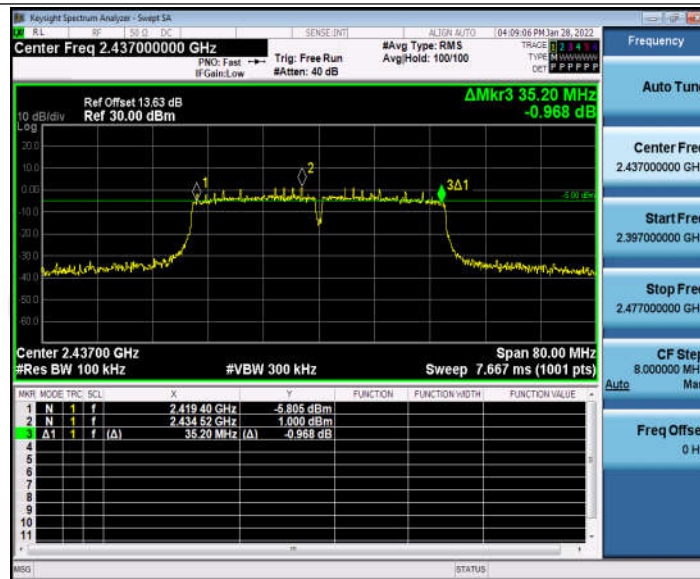
11N40SISO_Ant1_2422



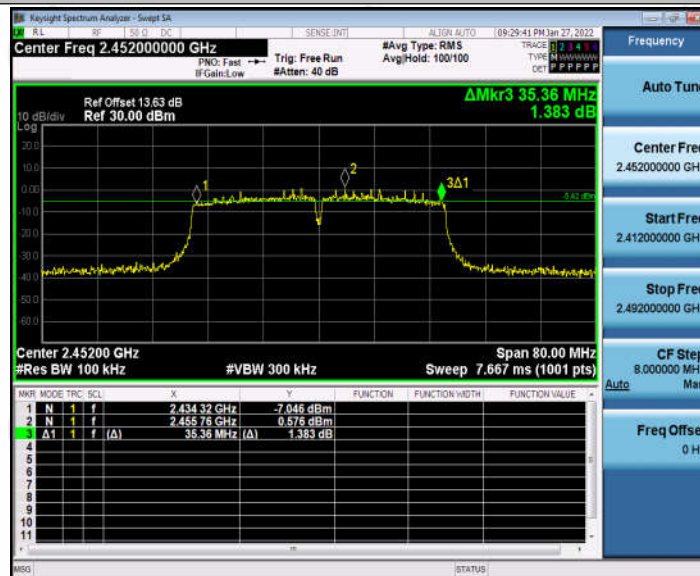
11N40SISO_Ant2_2422



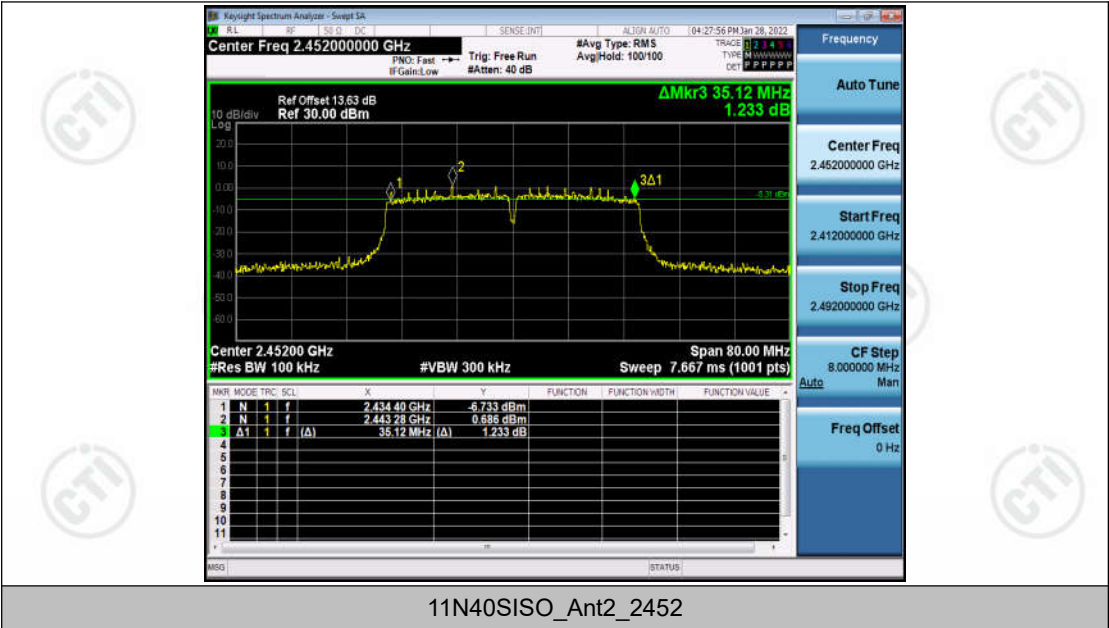
11N40SISO_Ant1_2437



11N40SISO_Ant2_2437



11N40SISO_Ant1_2452

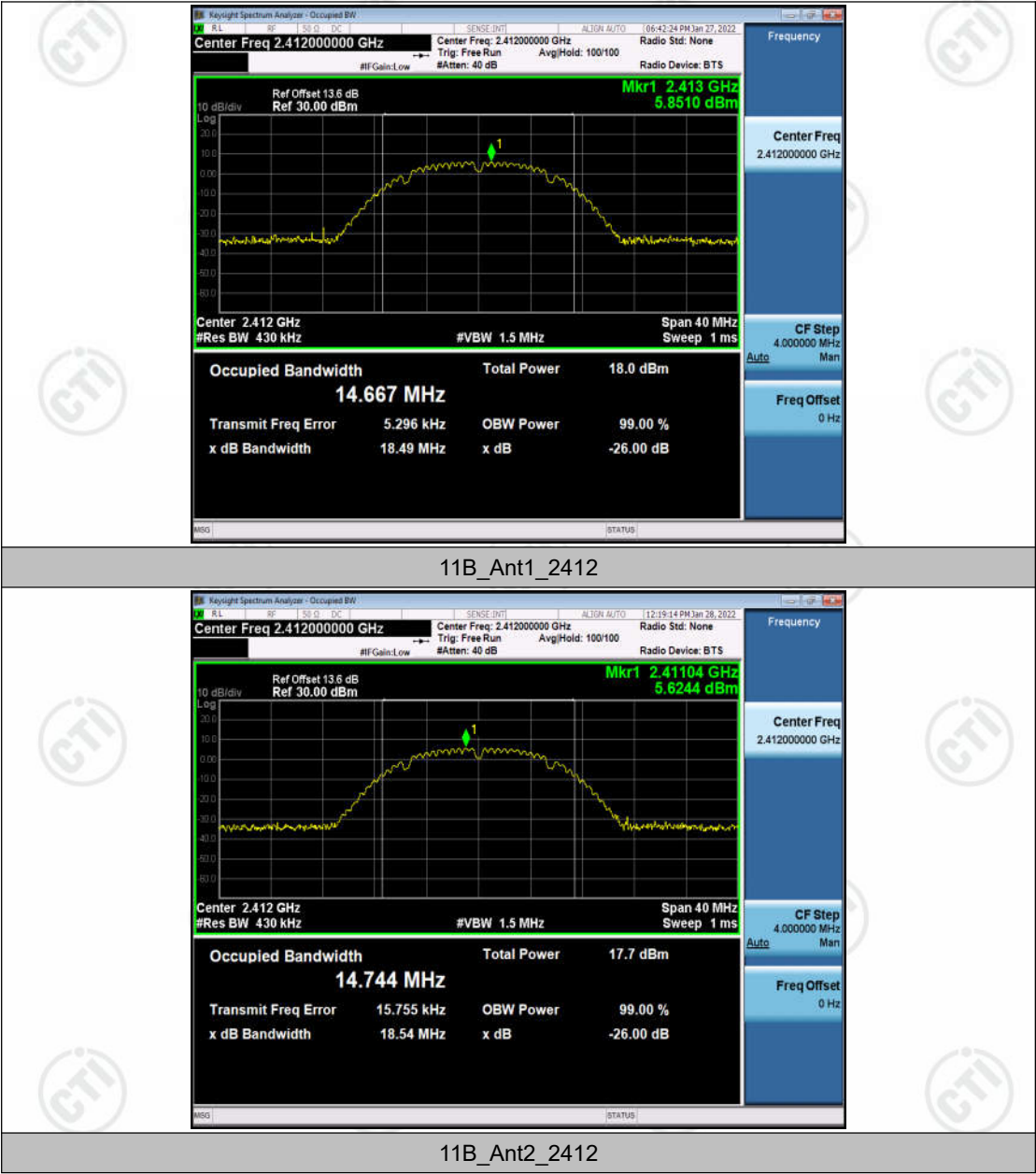


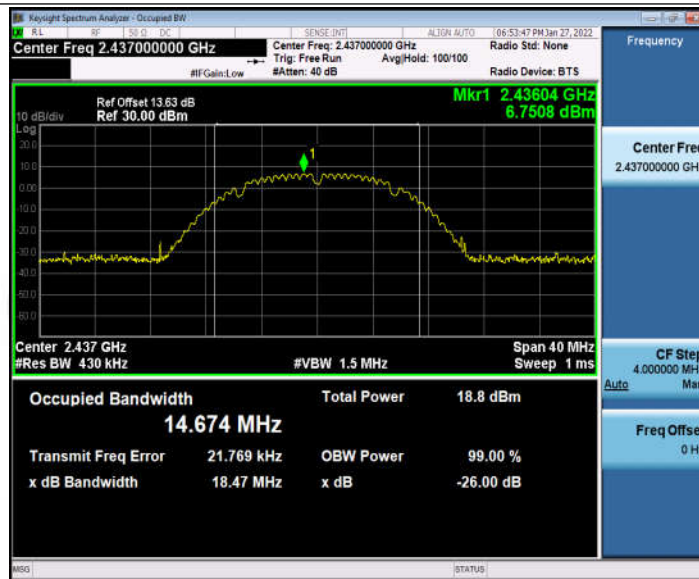
Appendix B: Occupied Channel Bandwidth

Test Result

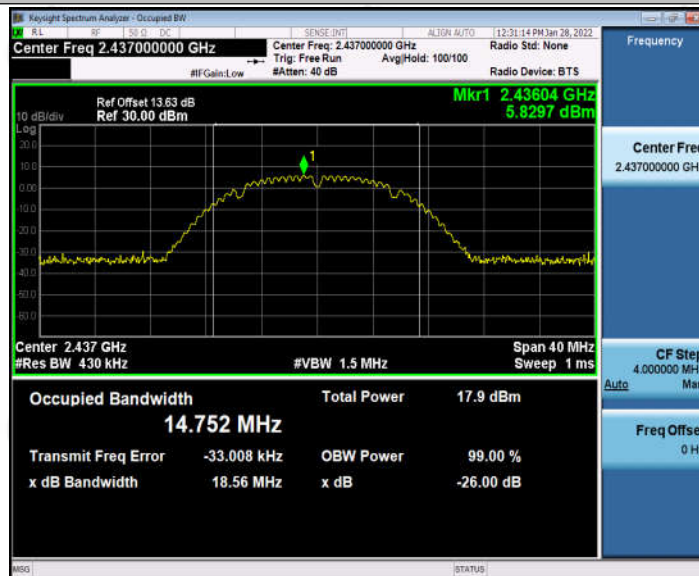
Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.667	2404.672	2419.339	---	PASS
	Ant2	2412	14.744	2404.644	2419.388	---	PASS
	Ant1	2437	14.674	2429.685	2444.359	---	PASS
	Ant2	2437	14.752	2429.591	2444.343	---	PASS
	Ant1	2462	14.737	2454.613	2469.350	---	PASS
	Ant2	2462	14.742	2454.644	2469.386	---	PASS
11G	Ant1	2412	16.837	2403.633	2420.470	---	PASS
	Ant2	2412	16.775	2403.595	2420.370	---	PASS
	Ant1	2437	16.772	2428.645	2445.417	---	PASS
	Ant2	2437	16.812	2428.634	2445.446	---	PASS
	Ant1	2462	16.688	2453.684	2470.372	---	PASS
	Ant2	2462	16.786	2453.574	2470.360	---	PASS
11N20SISO	Ant1	2412	17.864	2403.098	2420.962	---	PASS
	Ant2	2412	18.026	2402.982	2421.008	---	PASS
	Ant1	2437	17.947	2428.054	2446.001	---	PASS
	Ant2	2437	17.868	2428.039	2445.907	---	PASS
	Ant1	2462	17.796	2453.109	2470.905	---	PASS
	Ant2	2462	17.871	2453.069	2470.940	---	PASS
11N40SISO	Ant1	2422	36.155	2403.948	2440.103	---	PASS
	Ant2	2422	36.195	2403.959	2440.154	---	PASS
	Ant1	2437	36.216	2418.961	2455.177	---	PASS
	Ant2	2437	36.216	2418.866	2455.082	---	PASS
	Ant1	2452	36.049	2434.035	2470.084	---	PASS
	Ant2	2452	36.285	2433.881	2470.166	---	PASS

Test Graphs





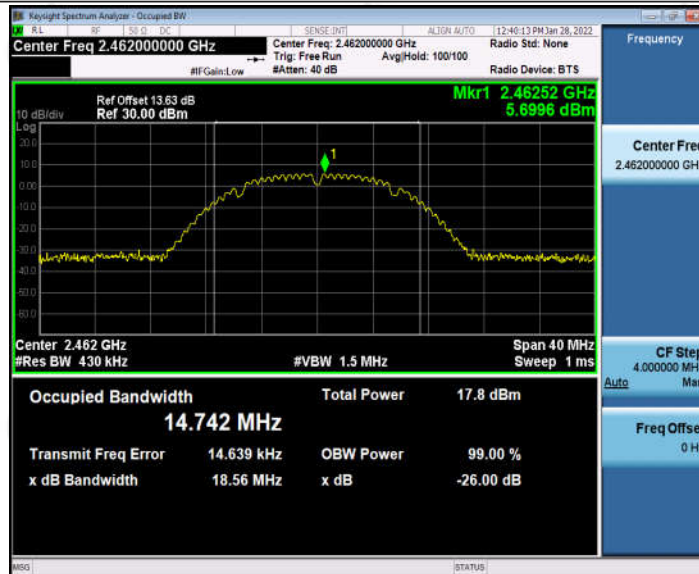
11B_Ant1_2437



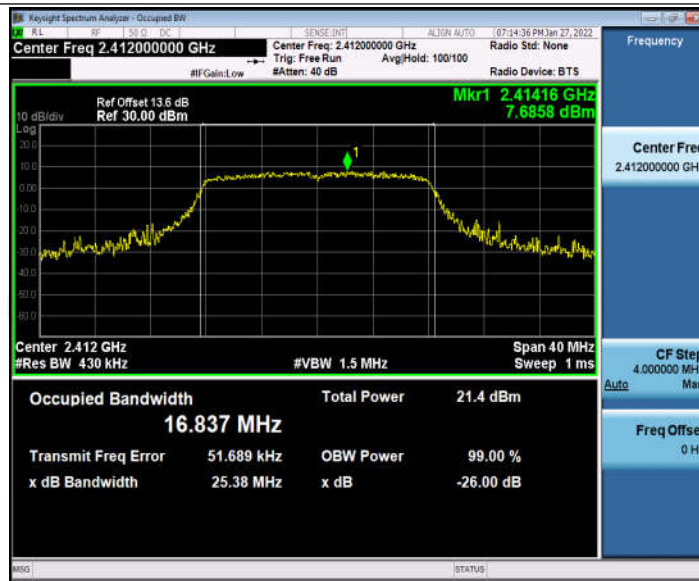
11B_Ant2_2437



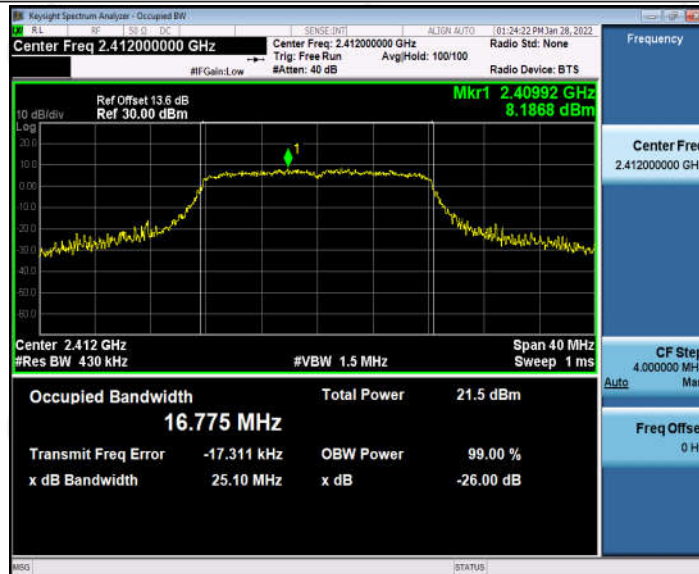
11B_Ant1_2462



11B_Ant2_2462



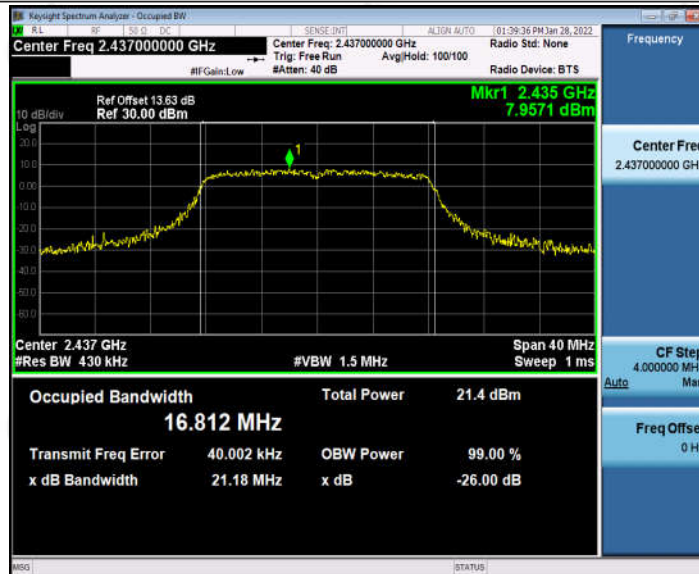
11G_Ant1_2412



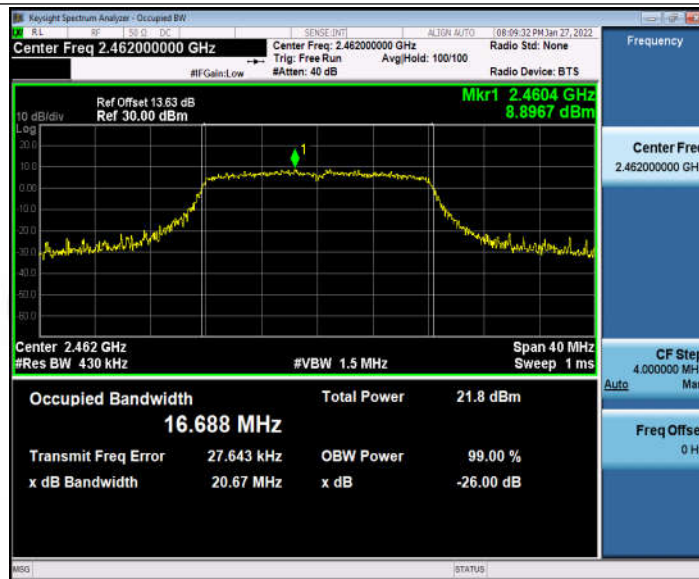
11G_Ant2_2412



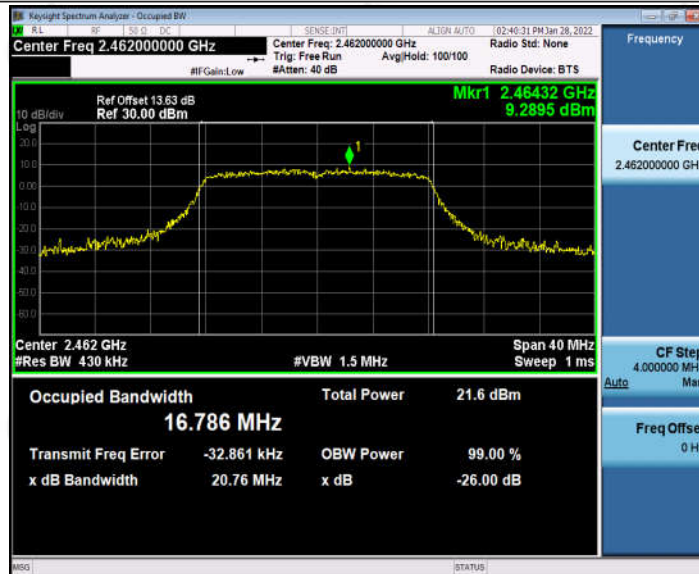
11G_Ant1_2437



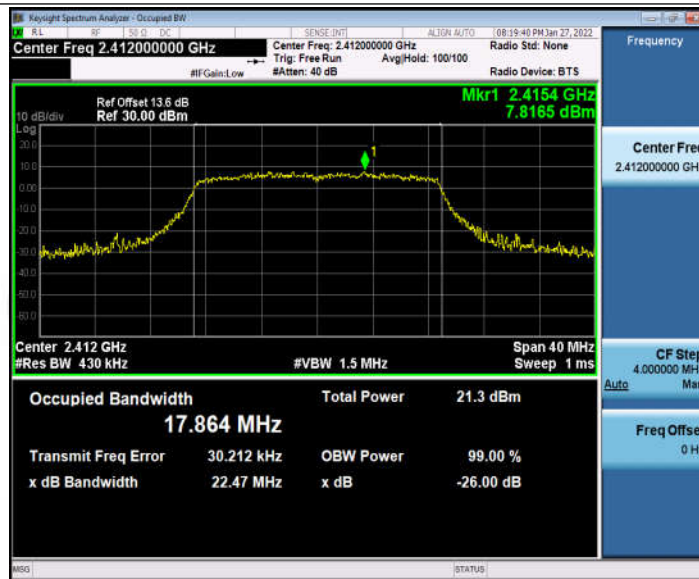
11G_Ant2_2437



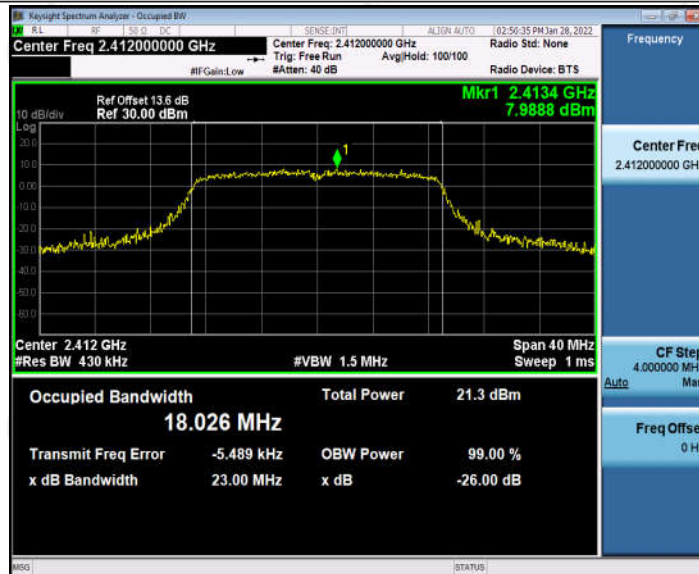
11G_Ant1_2462



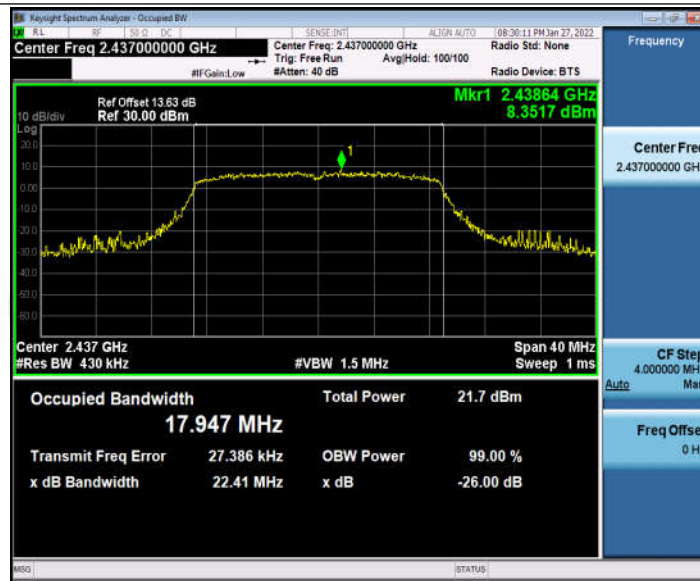
11G_Ant2_2462



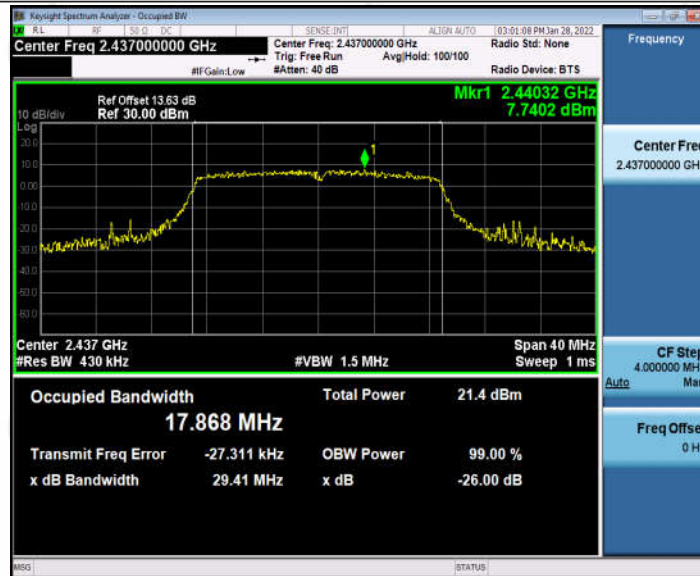
11N20SISO_Ant1_2412



11N20SISO_Ant2_2412



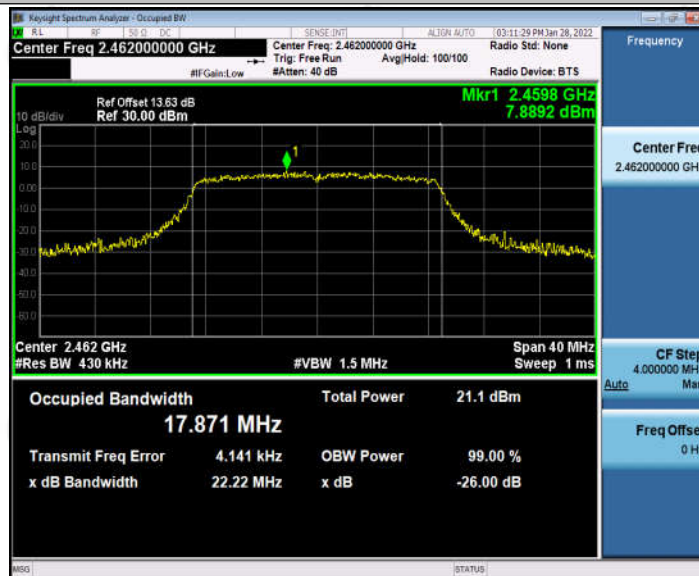
11N20SISO_Ant1_2437



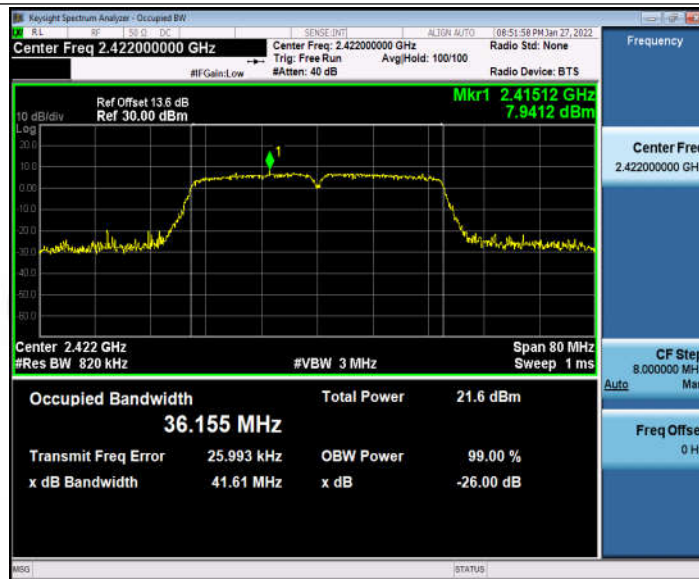
11N20SISO_Ant2_2437



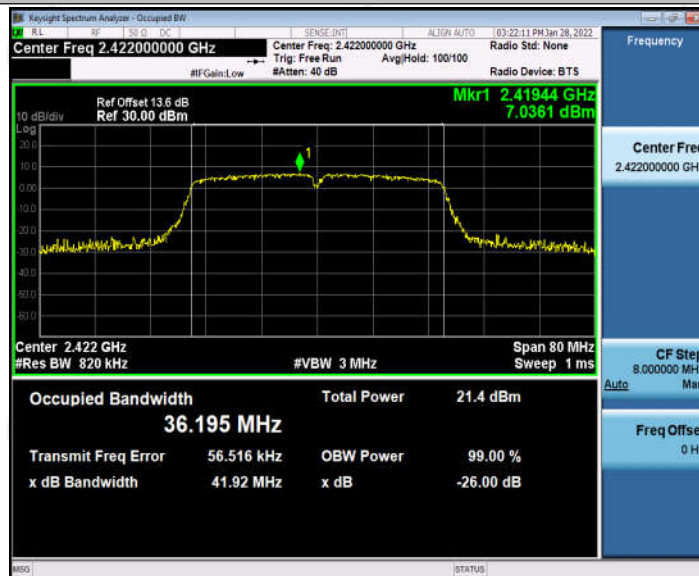
11N20SISO_Ant1_2462



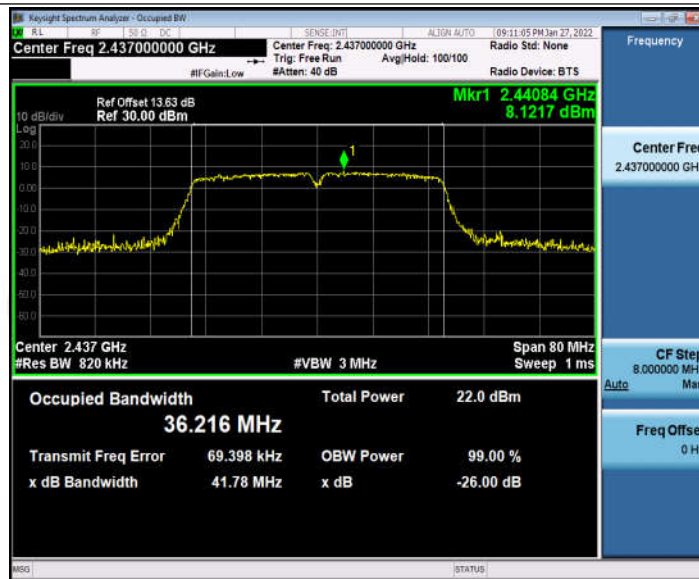
11N20SISO_Ant2_2462



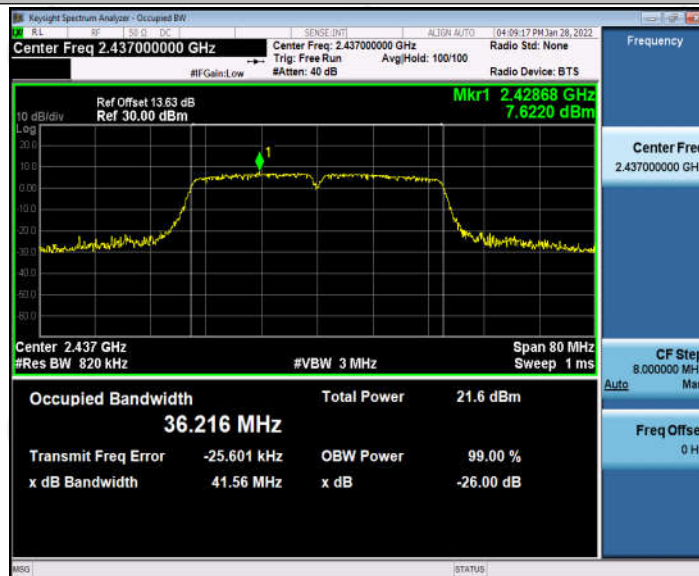
11N40SISO_Ant1_2422



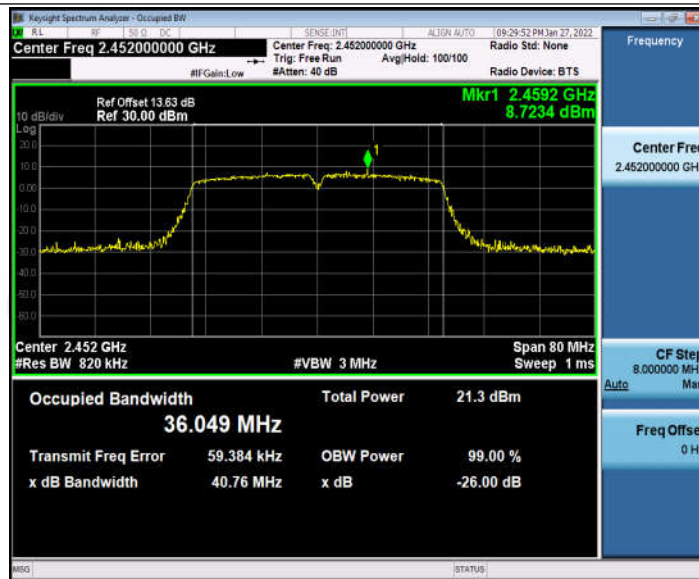
11N40SISO_Ant2_2422



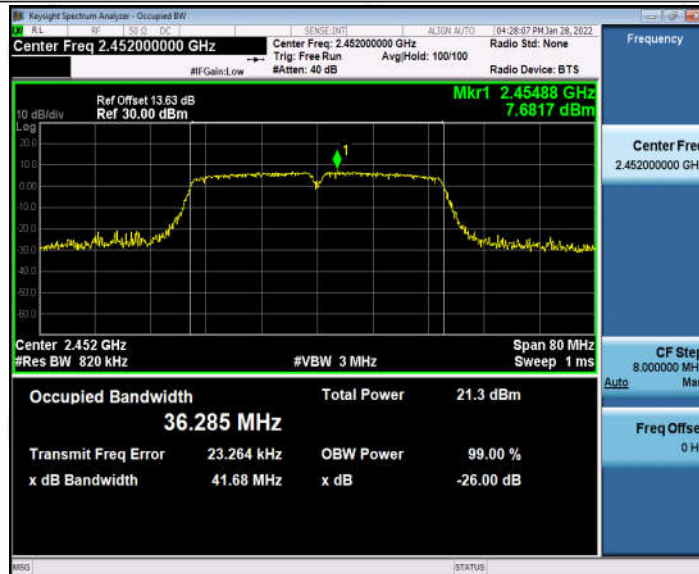
11N40SISO_Ant1_2437



11N40SISO_Ant2_2437



11N40SISO_Ant1_2452



11N40SISO_Ant2_2452

Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	15.57	<=30	PASS
	Ant2	2412	15.01	<=30	PASS
	Ant1	2437	15.76	<=30	PASS
	Ant2	2437	15.00	<=30	PASS
	Ant1	2462	15.94	<=30	PASS
	Ant2	2462	15.02	<=30	PASS
11G	Ant1	2412	15.24	<=30	PASS
	Ant2	2412	15.48	<=30	PASS
	Ant1	2437	15.92	<=30	PASS
	Ant2	2437	15.39	<=30	PASS
	Ant1	2462	15.60	<=30	PASS
	Ant2	2462	15.38	<=30	PASS
11N20SISO	Ant1	2412	15.29	<=30	PASS
	Ant2	2412	15.42	<=30	PASS
	Ant1	2437	15.90	<=30	PASS
	Ant2	2437	15.33	<=30	PASS
	Ant1	2462	15.59	<=30	PASS
	Ant2	2462	15.22	<=30	PASS
11N40SISO	Ant1	2422	14.41	<=30	PASS
	Ant2	2422	14.33	<=30	PASS
	Ant1	2437	14.50	<=30	PASS
	Ant2	2437	14.56	<=30	PASS
	Ant1	2452	14.47	<=30	PASS
	Ant2	2452	14.71	<=30	PASS
11N20MIMO	Ant1	2412	10.03	<=30	PASS
	Ant2	2412	8.60	<=30	PASS
	total	2412	12.4	<=30	PASS
	Ant1	2437	10.14	<=30	PASS
	Ant2	2437	8.42	<=30	PASS
	total	2437	12.4	<=30	PASS
	Ant1	2462	9.97	<=30	PASS
	Ant2	2462	8.19	<=30	PASS
	total	2462	12.2	<=30	PASS
11N40MIMO	Ant1	2422	9.99	<=30	PASS
	Ant2	2422	8.78	<=30	PASS
	total	2422	12.4	<=30	PASS

	Ant1	2437	10.19	<=30	PASS
	Ant2	2437	8.79	<=30	PASS
	total	2437	12.6	<=30	PASS
	Ant1	2452	10.41	<=30	PASS
	Ant2	2452	8.22	<=30	PASS
	total	2452	12.5	<=30	PASS

Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-17.27	<=8	PASS
	Ant2	2412	-17.56	<=8	PASS
	Ant1	2437	-16.66	<=8	PASS
	Ant2	2437	-17.68	<=8	PASS
	Ant1	2462	-16.51	<=8	PASS
	Ant2	2462	-17.58	<=8	PASS
11G	Ant1	2412	-15.76	<=8	PASS
	Ant2	2412	-15.54	<=8	PASS
	Ant1	2437	-15.45	<=8	PASS
	Ant2	2437	-15.5	<=8	PASS
	Ant1	2462	-15.37	<=8	PASS
	Ant2	2462	-16.08	<=8	PASS
11N20SISO	Ant1	2412	-16.32	<=8	PASS
	Ant2	2412	-15.32	<=8	PASS
	Ant1	2437	-15.32	<=8	PASS
	Ant2	2437	-15.61	<=8	PASS
	Ant1	2462	-16.36	<=8	PASS
	Ant2	2462	-15.75	<=8	PASS
11N40SISO	Ant1	2422	-18.69	<=8	PASS
	Ant2	2422	-18.32	<=8	PASS
	Ant1	2437	-19.12	<=8	PASS
	Ant2	2437	-19.32	<=8	PASS
	Ant1	2452	-18.99	<=8	PASS
	Ant2	2452	-18.17	<=8	PASS
11N20MIMO	Ant1	2412	-21.7	<=8	PASS
	Ant2	2412	-22.89	<=8	PASS
	total	2412	-19.24	<=8	PASS
	Ant1	2437	-21.06	<=8	PASS
	Ant2	2437	-22.65	<=8	PASS
	total	2437	-18.77	<=8	PASS
	Ant1	2462	-21.39	<=8	PASS
	Ant2	2462	-22.97	<=8	PASS
	total	2462	-19.10	<=8	PASS
11N40MIMO	Ant1	2422	-23.2	<=8	PASS
	Ant2	2422	-25.05	<=8	PASS

	total	2422	-21.02	<=8	PASS
	Ant1	2437	-23.29	<=8	PASS
	Ant2	2437	-24.41	<=8	PASS
	total	2437	-20.80	<=8	PASS
	Ant1	2452	-22.6	<=8	PASS
	Ant2	2452	-24.45	<=8	PASS
	total	2452	-20.42	<=8	PASS

Test Graphs

