

Annex for FCC 2.4G WIFI

Test Report No.: CTL2205129022-WF01

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.120	2407.960	2416.080	0.5	PASS
		2437	8.120	2432.920	2441.040	0.5	PASS
		2462	7.640	2457.960	2465.600	0.5	PASS
11G	Ant1	2412	15.560	2404.640	2420.200	0.5	PASS
		2437	16.440	2428.800	2445.240	0.5	PASS
		2462	16.160	2453.800	2469.960	0.5	PASS
11N20SISO	Ant1	2412	16.440	2404.400	2420.840	0.5	PASS
		2437	17.760	2428.120	2445.880	0.5	PASS
		2462	17.600	2453.200	2470.800	0.5	PASS
11N40SISO	Ant1	2422	30.880	2404.000	2434.880	0.5	PASS
		2437	36.560	2418.680	2455.240	0.5	PASS
		2452	35.200	2434.400	2469.600	0.5	PASS

Test Graphs



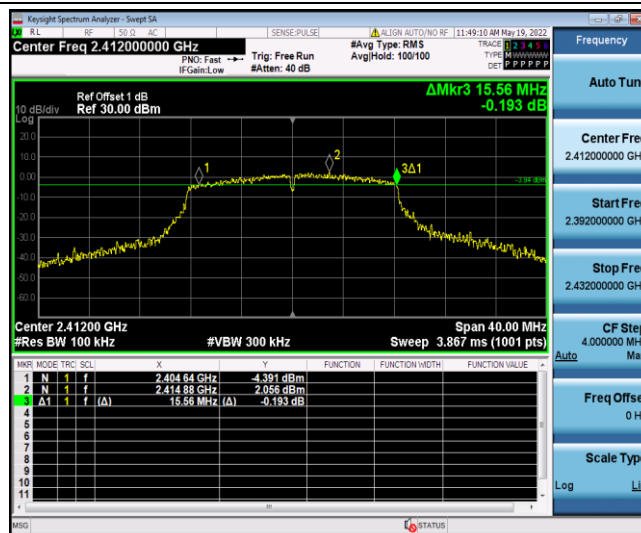
11B_Ant1_2412



11B_Ant1_2437



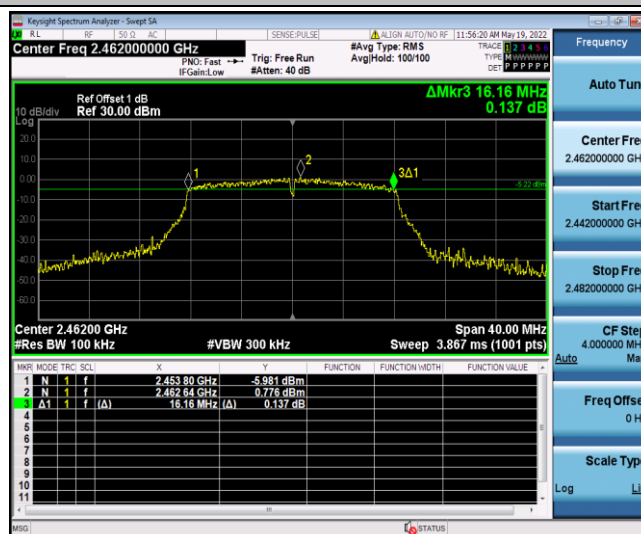
11B_Ant1_2462



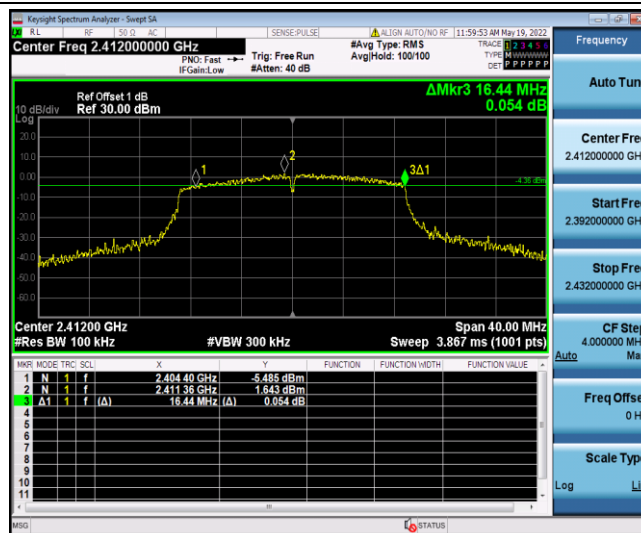
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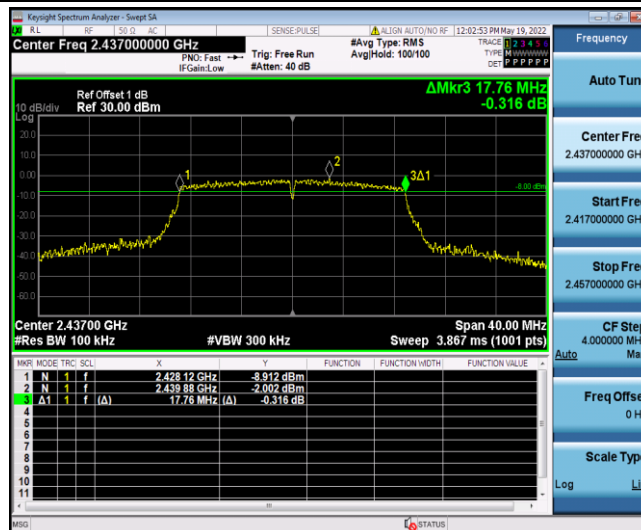
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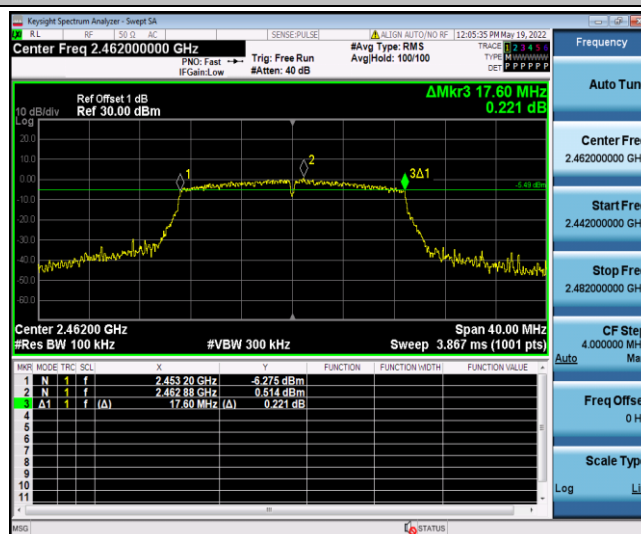
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



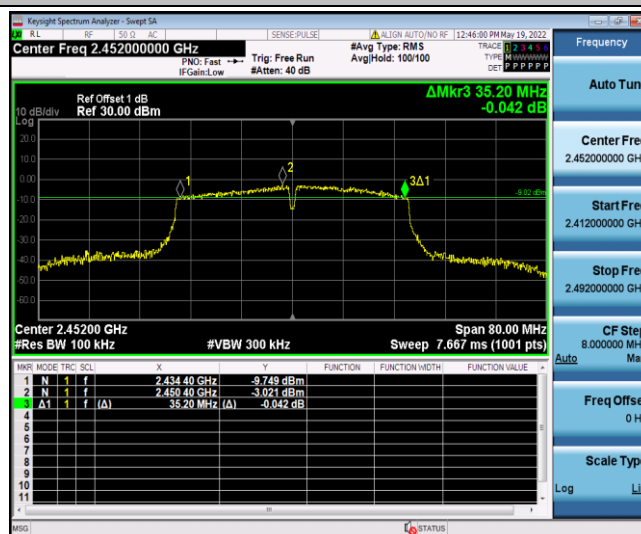
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

Appendix B: Occupied Channel Bandwidth

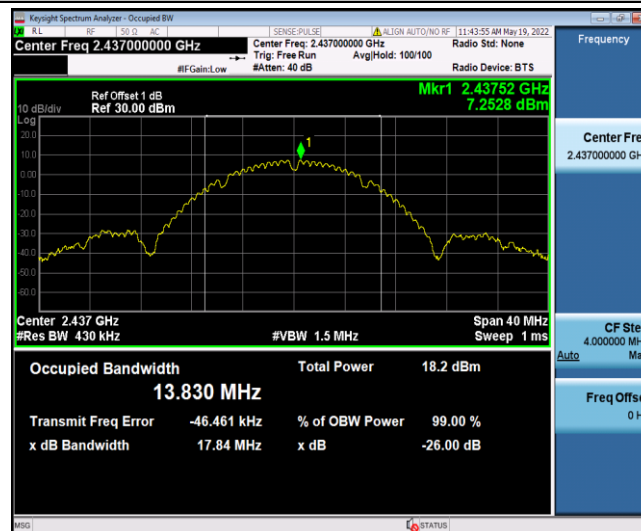
Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.898	2405.745	2418.643	---	PASS
		2437	13.830	2430.039	2443.869	---	PASS
		2462	13.206	2455.388	2468.594	---	PASS
11G	Ant1	2412	16.689	2403.790	2420.479	---	PASS
		2437	16.957	2428.487	2445.444	---	PASS
		2462	16.719	2453.611	2470.330	---	PASS
11N20SISO	Ant1	2412	17.621	2403.315	2420.936	---	PASS
		2437	17.966	2428.023	2445.989	---	PASS
		2462	17.783	2453.106	2470.889	---	PASS
11N40SISO	Ant1	2422	35.964	2403.901	2439.865	---	PASS
		2437	36.927	2418.448	2455.375	---	PASS
		2452	35.985	2434.042	2470.027	---	PASS

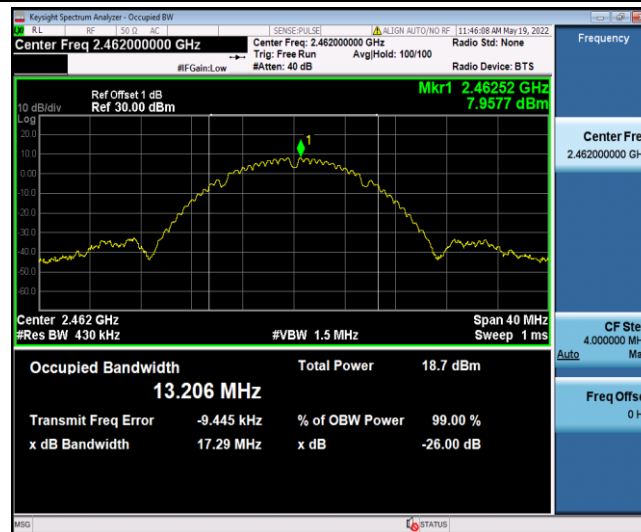
Test Graphs



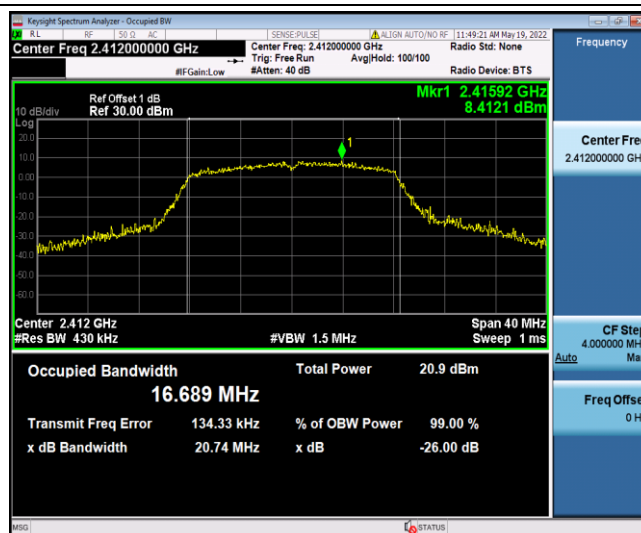
11B_Ant1_2412



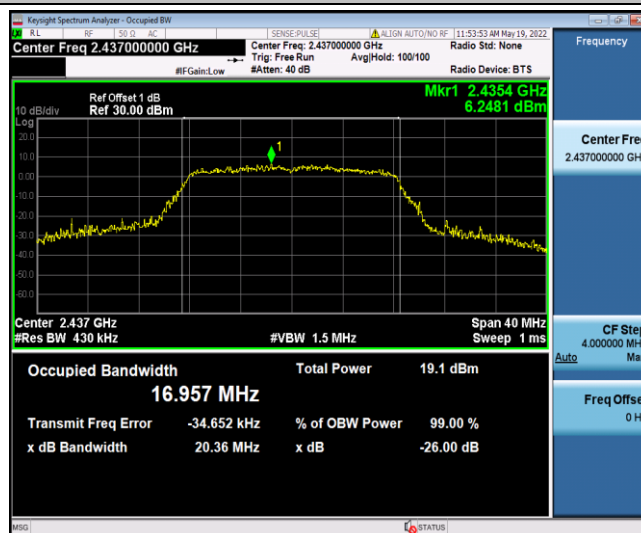
11B_Ant1_2437



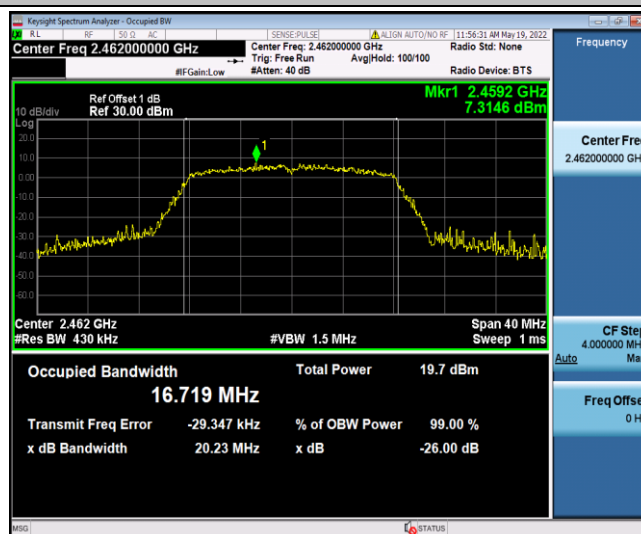
11B_Ant1_2462



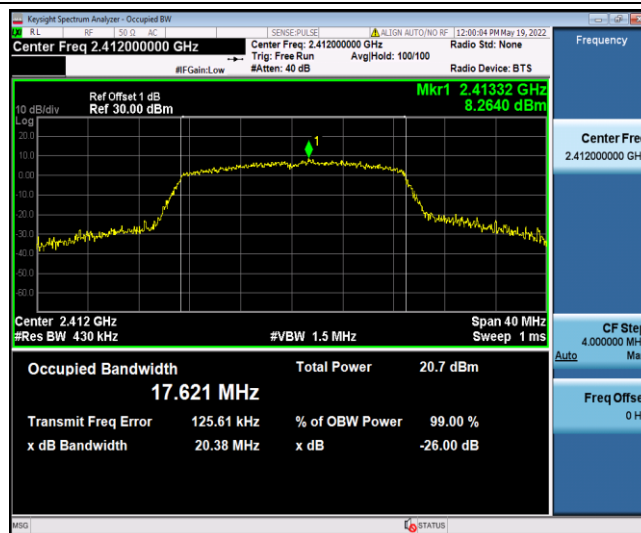
11G_Ant1_2412



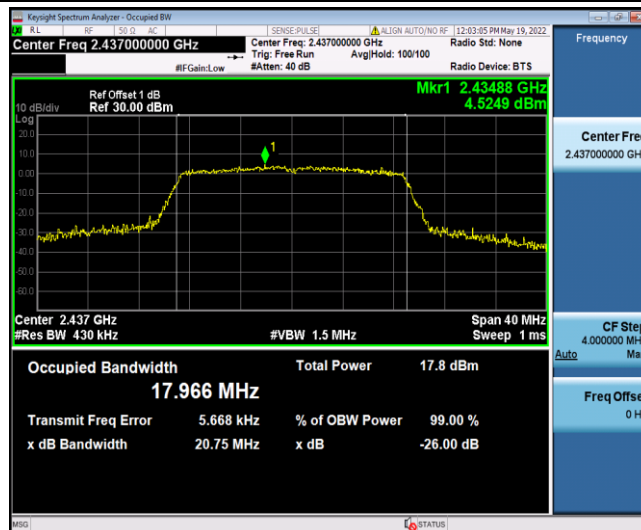
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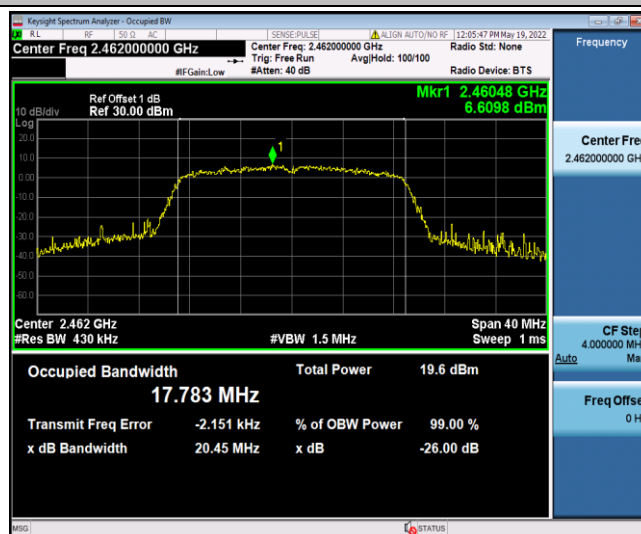
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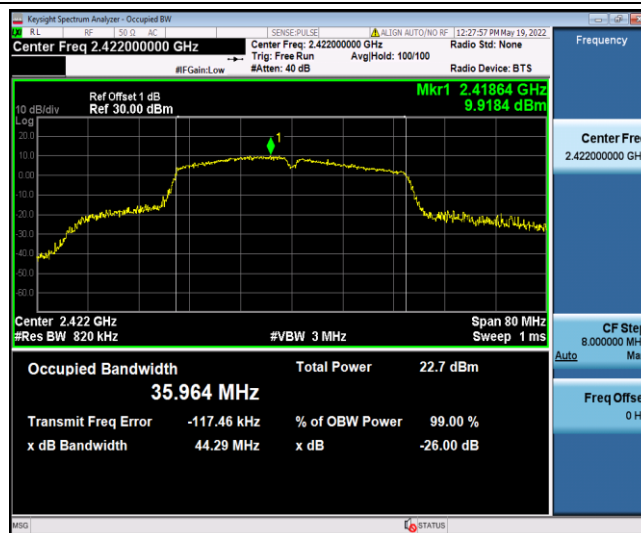
11N20SISO_Ant1_2412



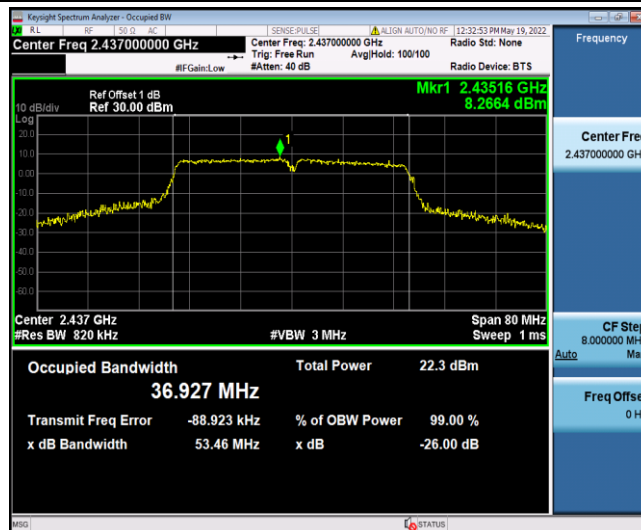
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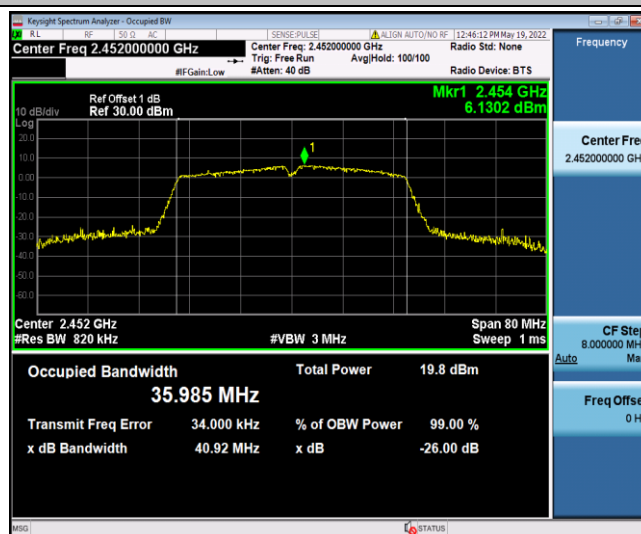
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

Appendix C: Maximum conducted output power

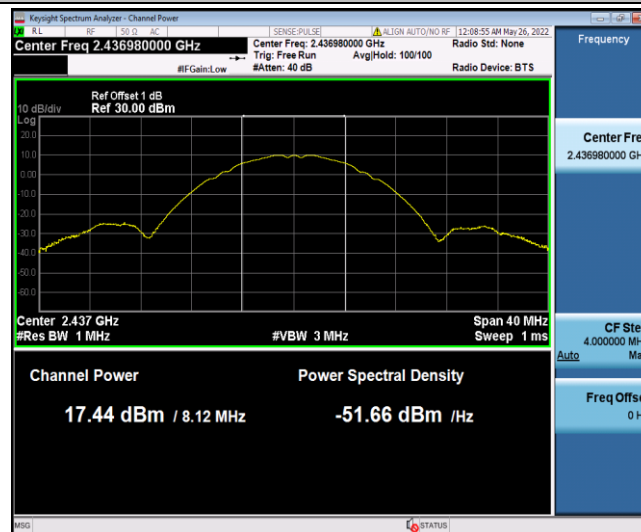
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	17.83	≤30	PASS
		2437	17.44	≤30	PASS
		2462	17.71	≤30	PASS
11G	Ant1	2412	21.75	≤30	PASS
		2437	18.56	≤30	PASS
		2462	20.54	≤30	PASS
11N20SISO	Ant1	2412	21.46	≤30	PASS
		2437	18.52	≤30	PASS
		2462	20.49	≤30	PASS
11N40SISO	Ant1	2422	22.88	≤30	PASS
		2437	21.35	≤30	PASS
		2452	20.98	≤30	PASS

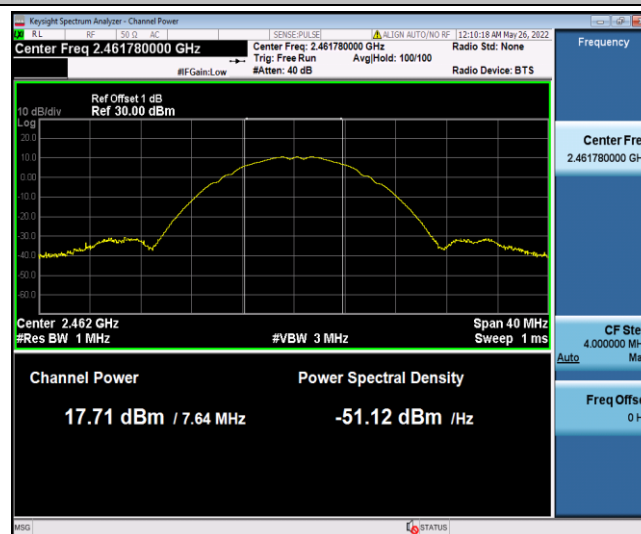
Test Graphs



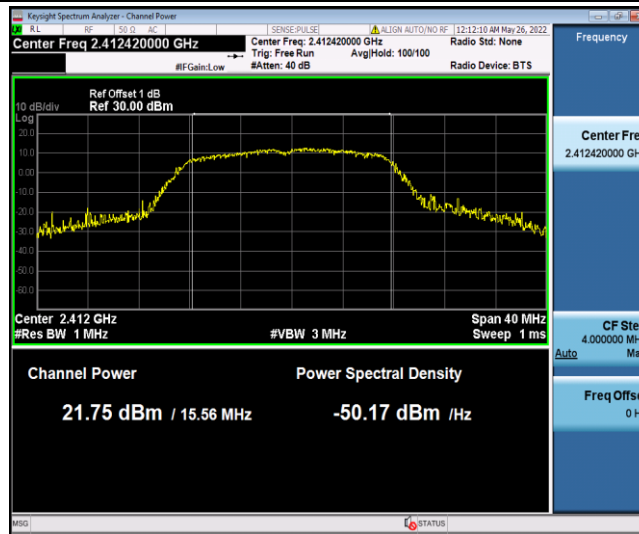
11B_Ant1_2412



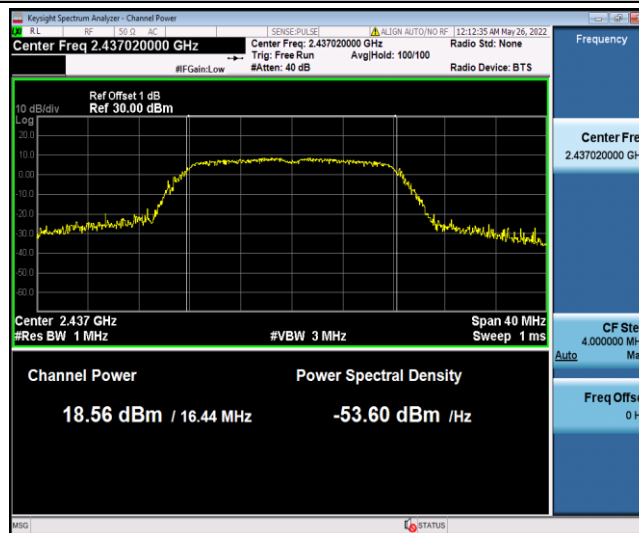
11B_Ant1_2437



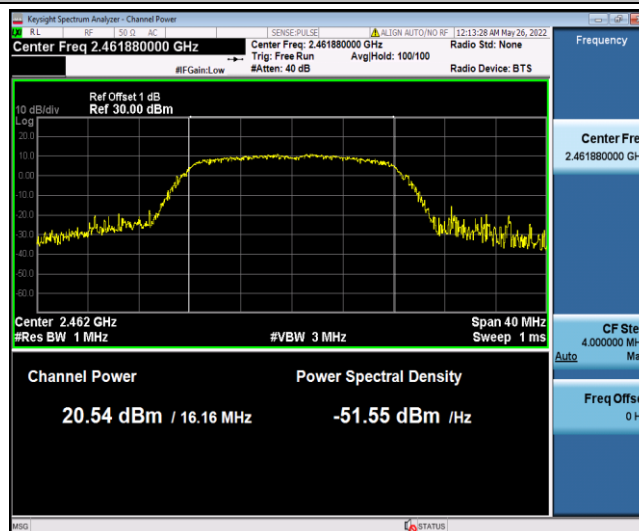
11B_Ant1_2462



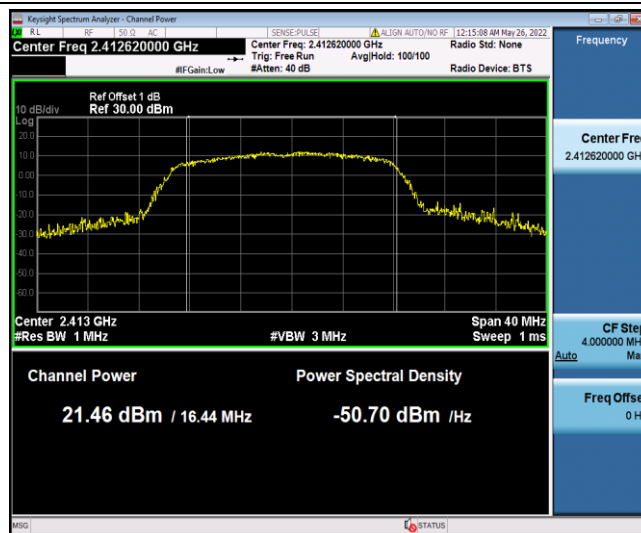
11G_Ant1_2412



11G_Ant1_2437



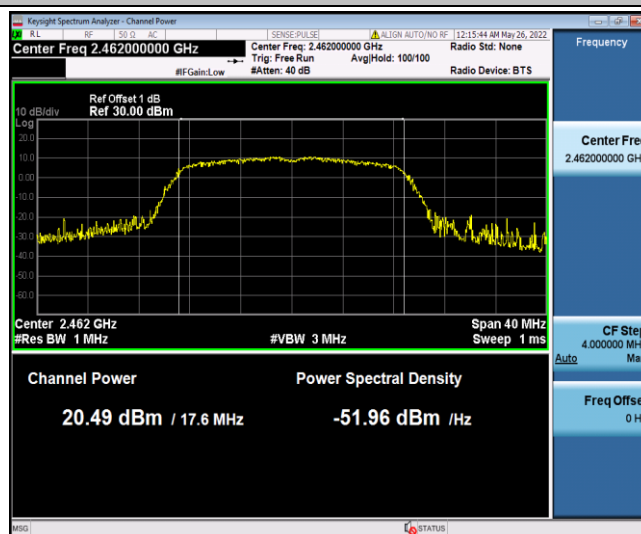
11G_Ant1_2462



11N20SISO_Ant1_2412



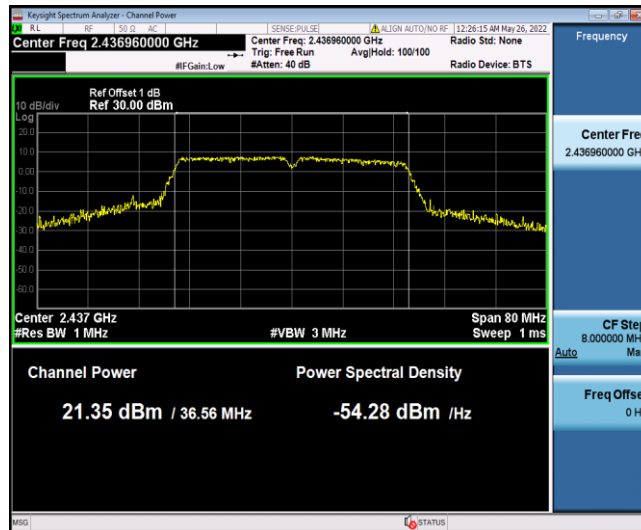
11N20SISO_Ant1_2437



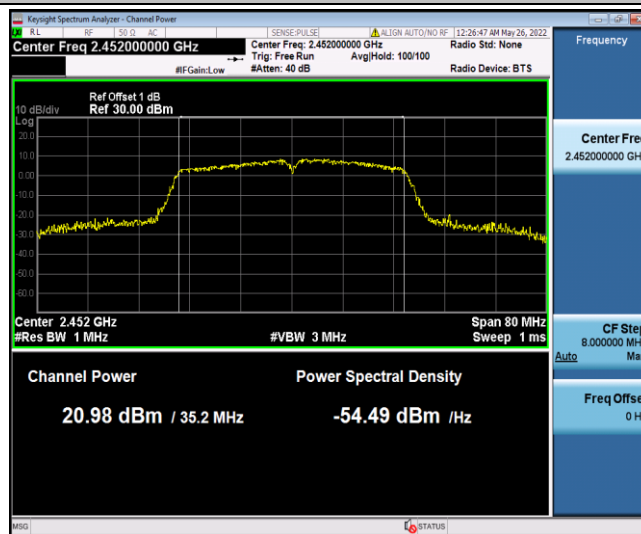
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



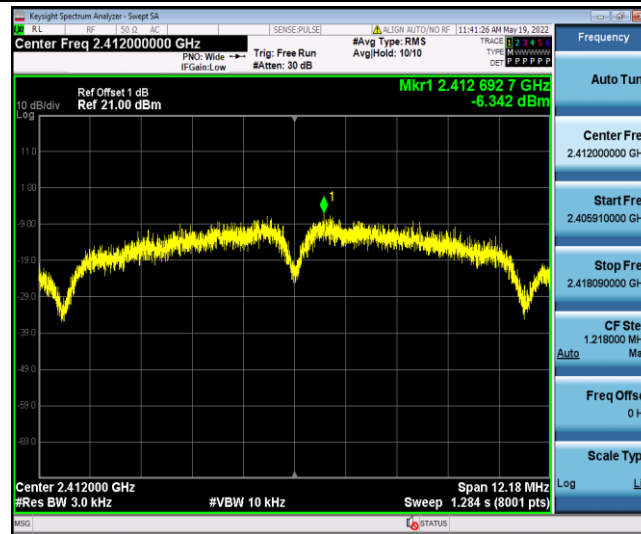
11N40SISO_Ant1_2452

Appendix D: Maximum power spectral density

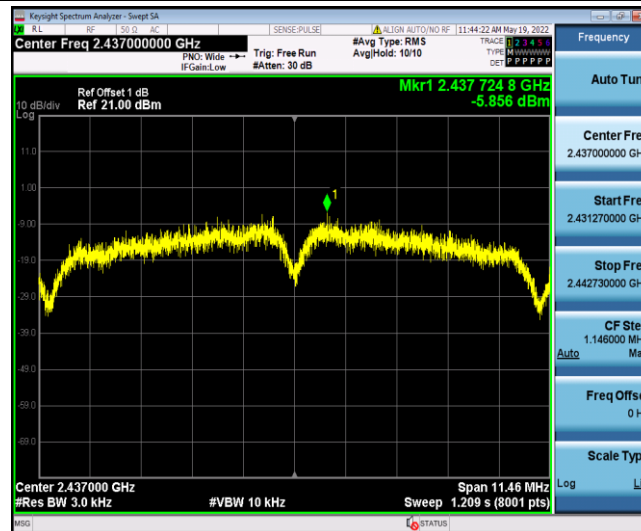
Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.34	≤8	PASS
		2437	-5.86	≤8	PASS
		2462	-6.68	≤8	PASS
11G	Ant1	2412	-9.13	≤8	PASS
		2437	-11.65	≤8	PASS
		2462	-10.95	≤8	PASS
11N20SISO	Ant1	2412	-9.49	≤8	PASS
		2437	-12.79	≤8	PASS
		2462	-10.43	≤8	PASS
11N40SISO	Ant1	2422	-9.6	≤8	PASS
		2437	-11.55	≤8	PASS
		2452	-13.24	≤8	PASS

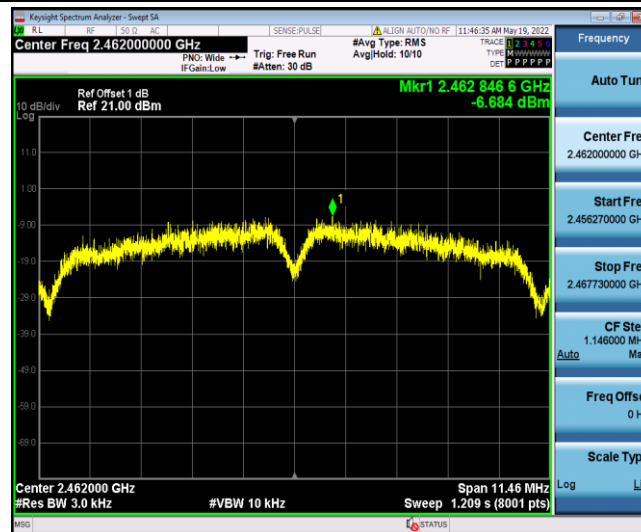
Test Graphs



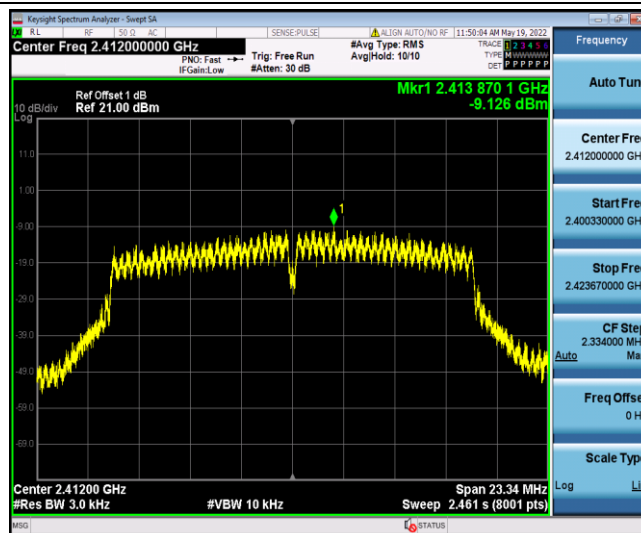
11B_Ant1_2412



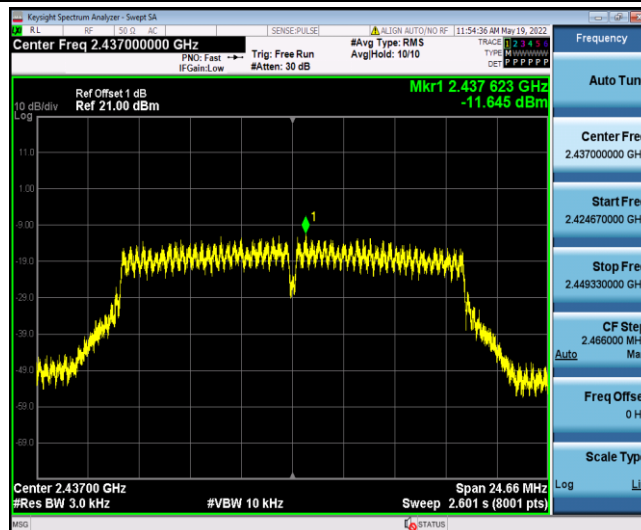
11B_Ant1_2437



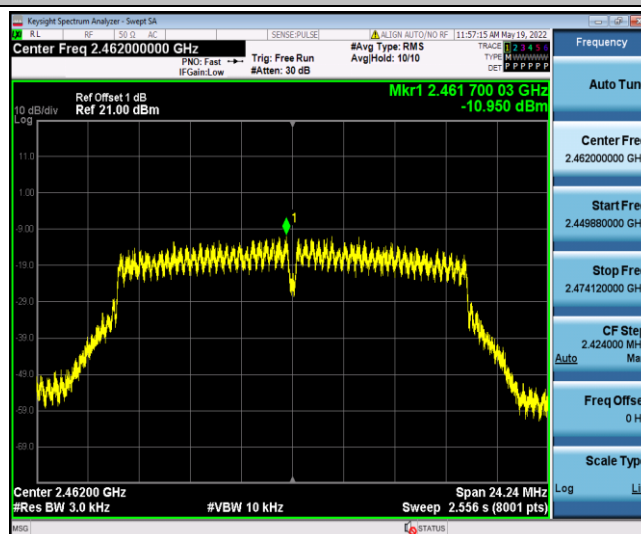
11B_Ant1_2462



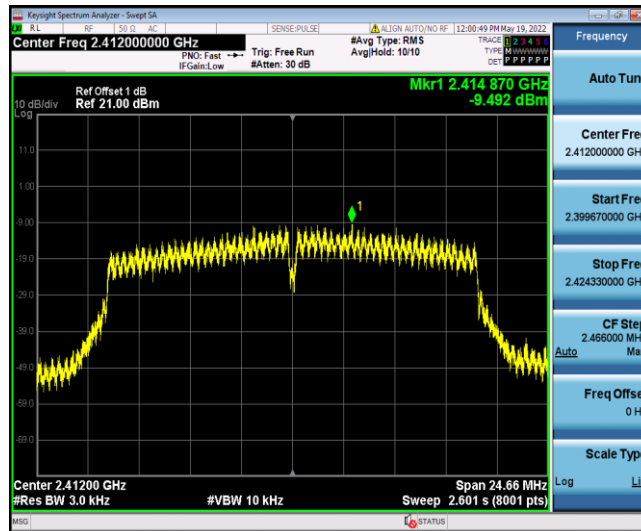
11G_Ant1_2412



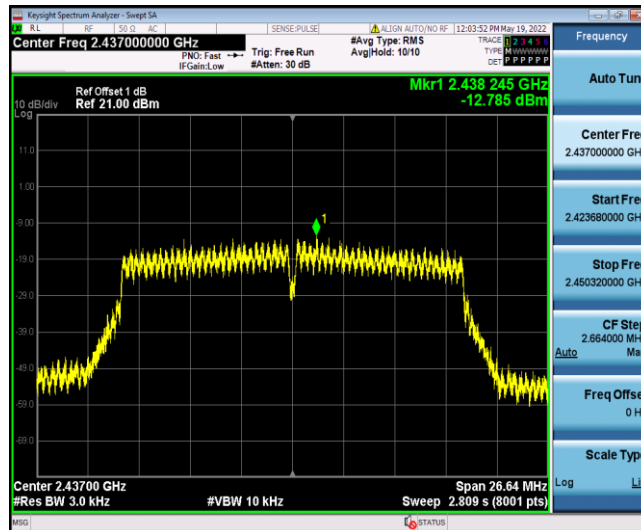
11G_Ant1_2437



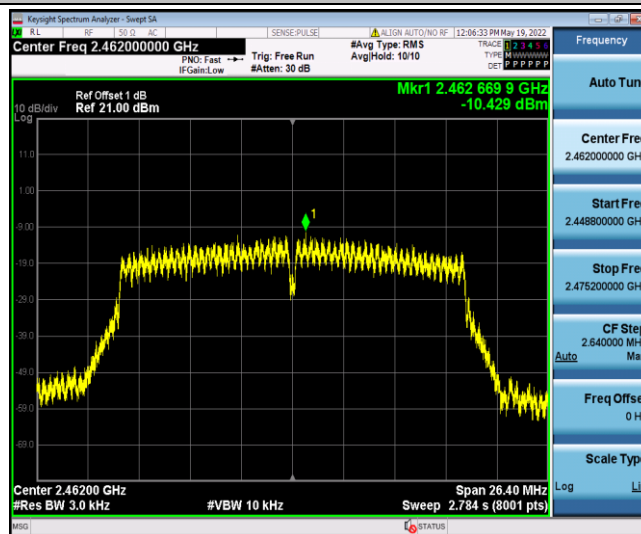
11G_Ant1_2462



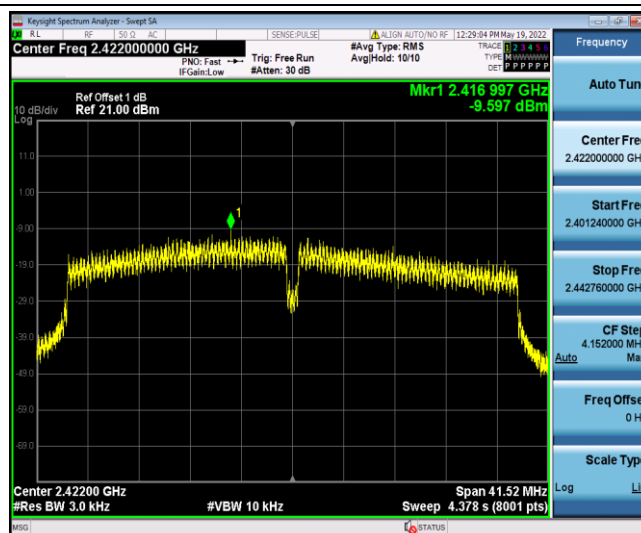
11N20SISO_Ant1_2412



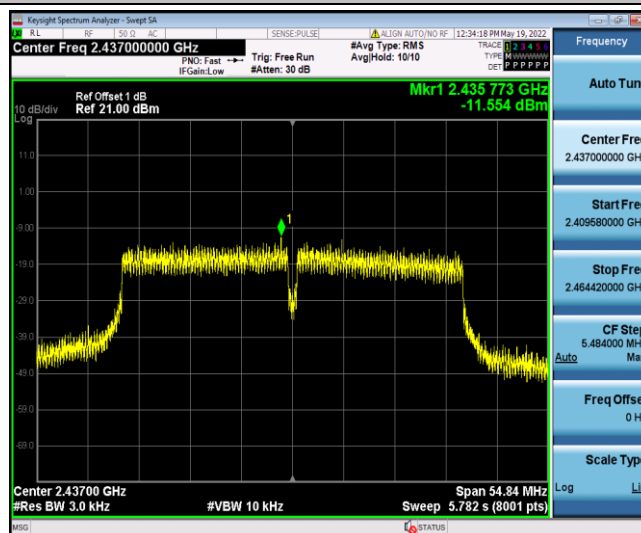
11N20SISO_Ant1_2437



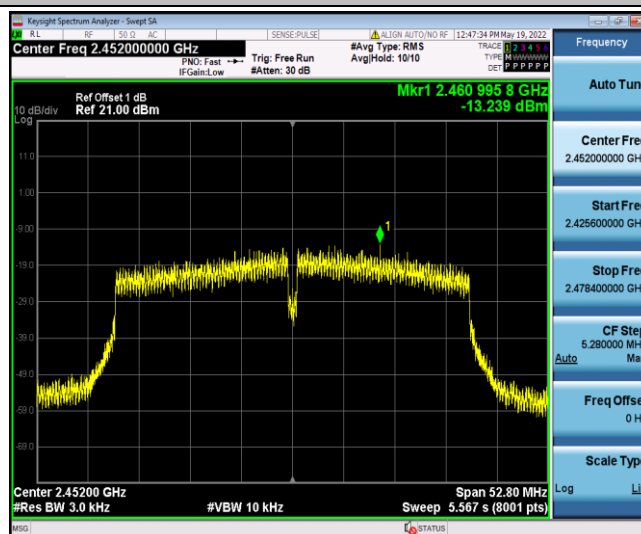
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452