

Appendix: 2.4G Wi-Fi

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Appendix A: DTS Bandwidth

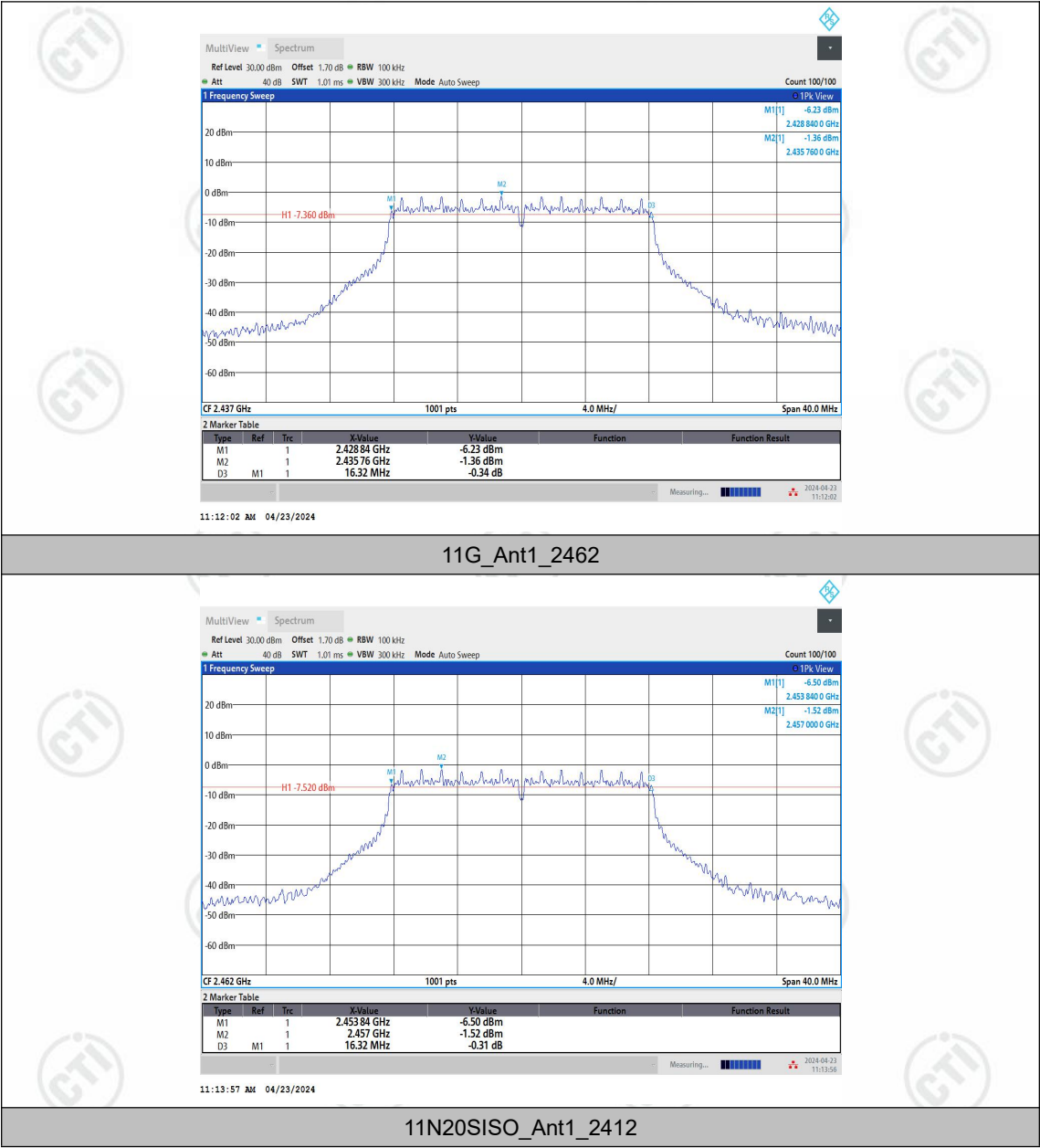
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.08	2407.44	2416.52	0.5	PASS
		2437	9.12	2432.44	2441.56	0.5	PASS
		2462	9.52	2457.48	2467.00	0.5	PASS
11G	Ant1	2412	16.32	2403.84	2420.16	0.5	PASS
		2437	16.32	2428.84	2445.16	0.5	PASS
		2462	16.32	2453.84	2470.16	0.5	PASS
11N20SISO	Ant1	2412	17.52	2403.24	2420.76	0.5	PASS
		2437	17.52	2428.24	2445.76	0.5	PASS
		2462	17.52	2453.24	2470.76	0.5	PASS
11N40SISO	Ant1	2422	35.12	2404.48	2439.60	0.5	PASS
		2437	35.12	2419.48	2454.60	0.5	PASS
		2452	35.12	2434.48	2469.60	0.5	PASS

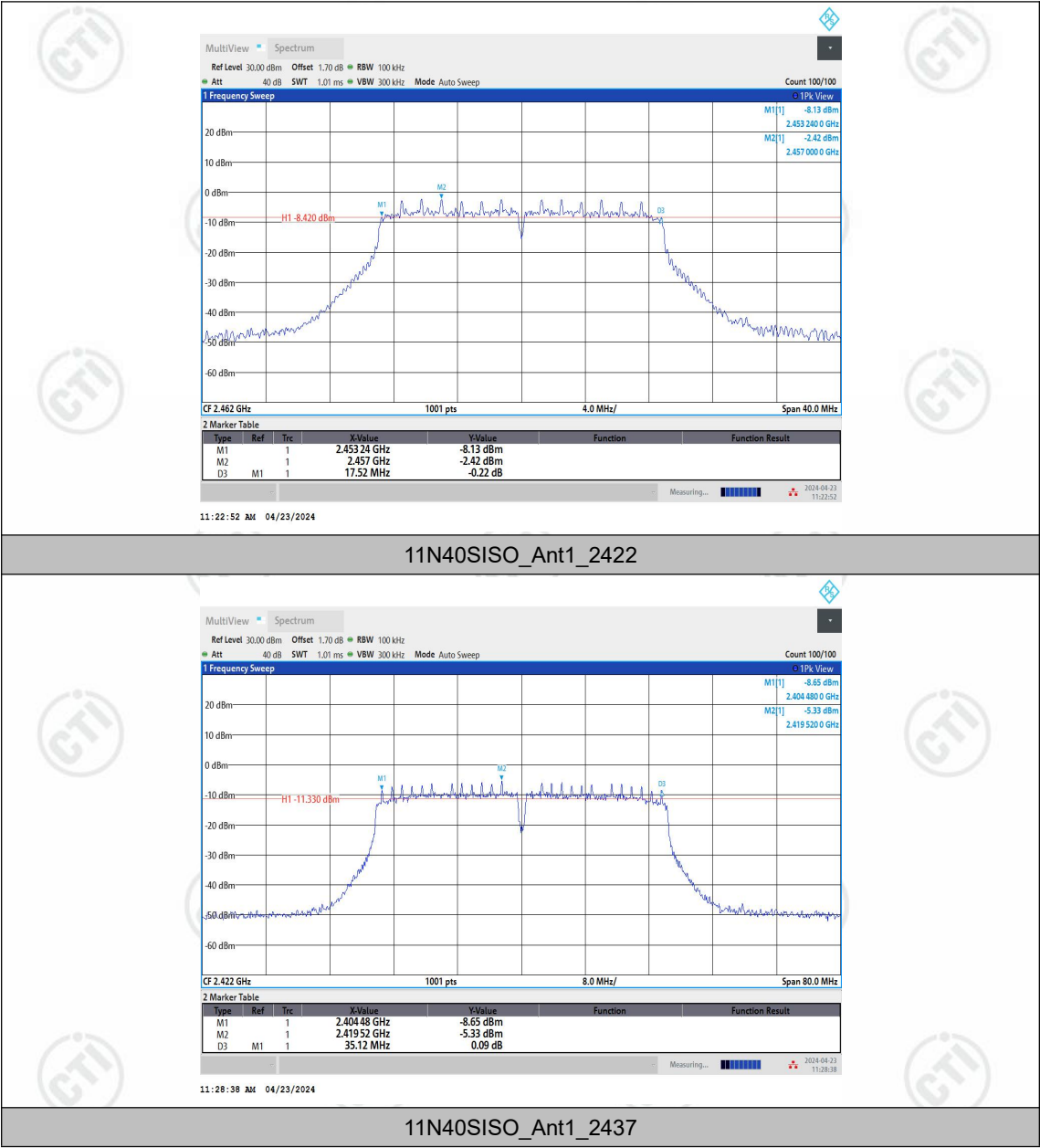
Test Graphs













Appendix B: Occupied Channel Bandwidth

Test Result

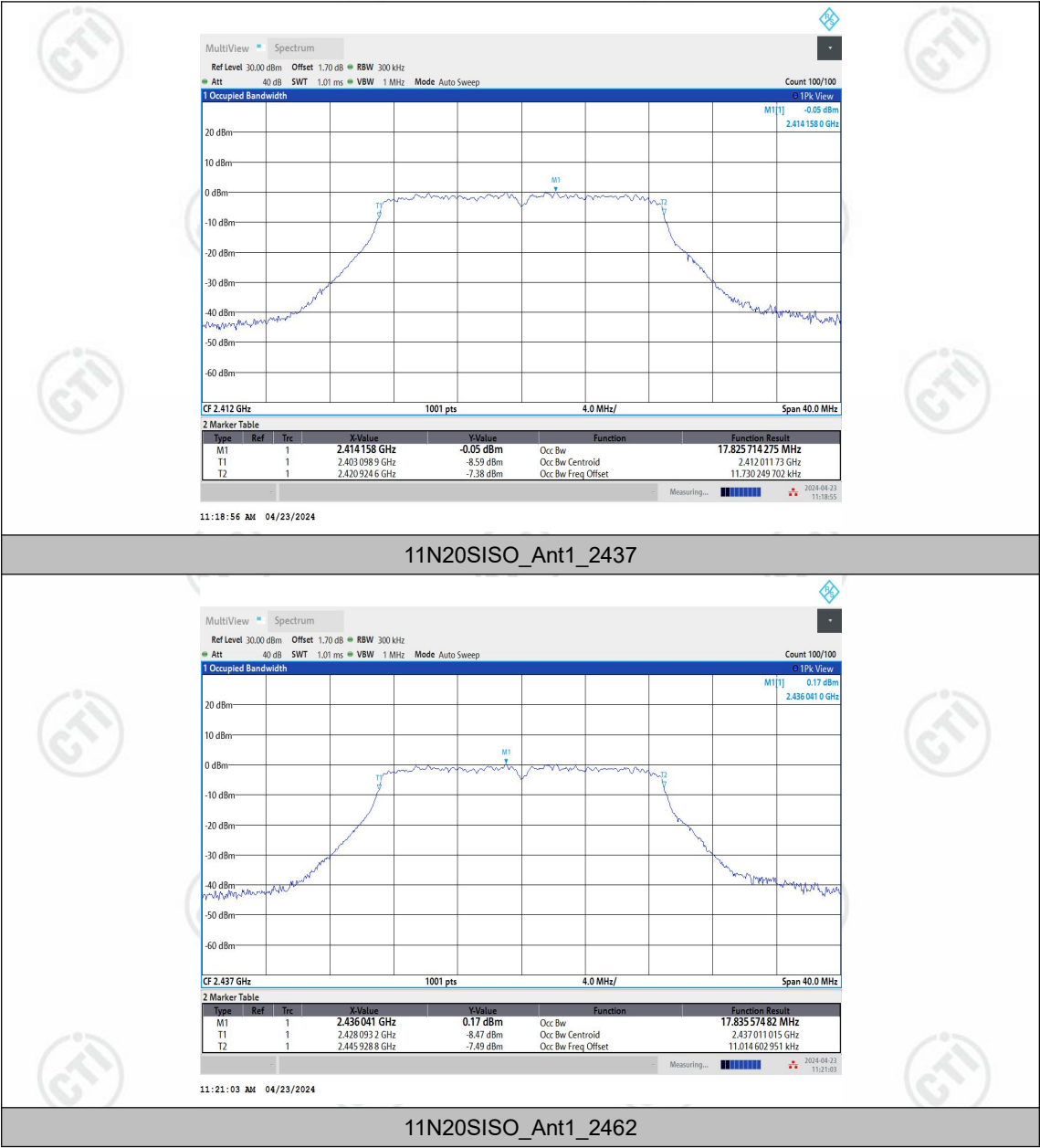
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.814	2405.578	2418.392	---	---
		2437	12.827	2430.562	2443.389	---	---
		2462	12.831	2455.547	2468.378	---	---
11G	Ant1	2412	16.809	2403.637	2420.446	---	---
		2437	16.808	2428.639	2445.447	---	---
		2462	16.809	2453.627	2470.436	---	---
11N20SISO	Ant1	2412	17.826	2403.099	2420.925	---	---
		2437	17.836	2428.093	2445.929	---	---
		2462	17.803	2453.103	2470.906	---	---
11N40SISO	Ant1	2422	36.483	2403.736	2440.218	---	---
		2437	36.474	2418.726	2455.199	---	---
		2452	36.49	2433.700	2470.190	---	---

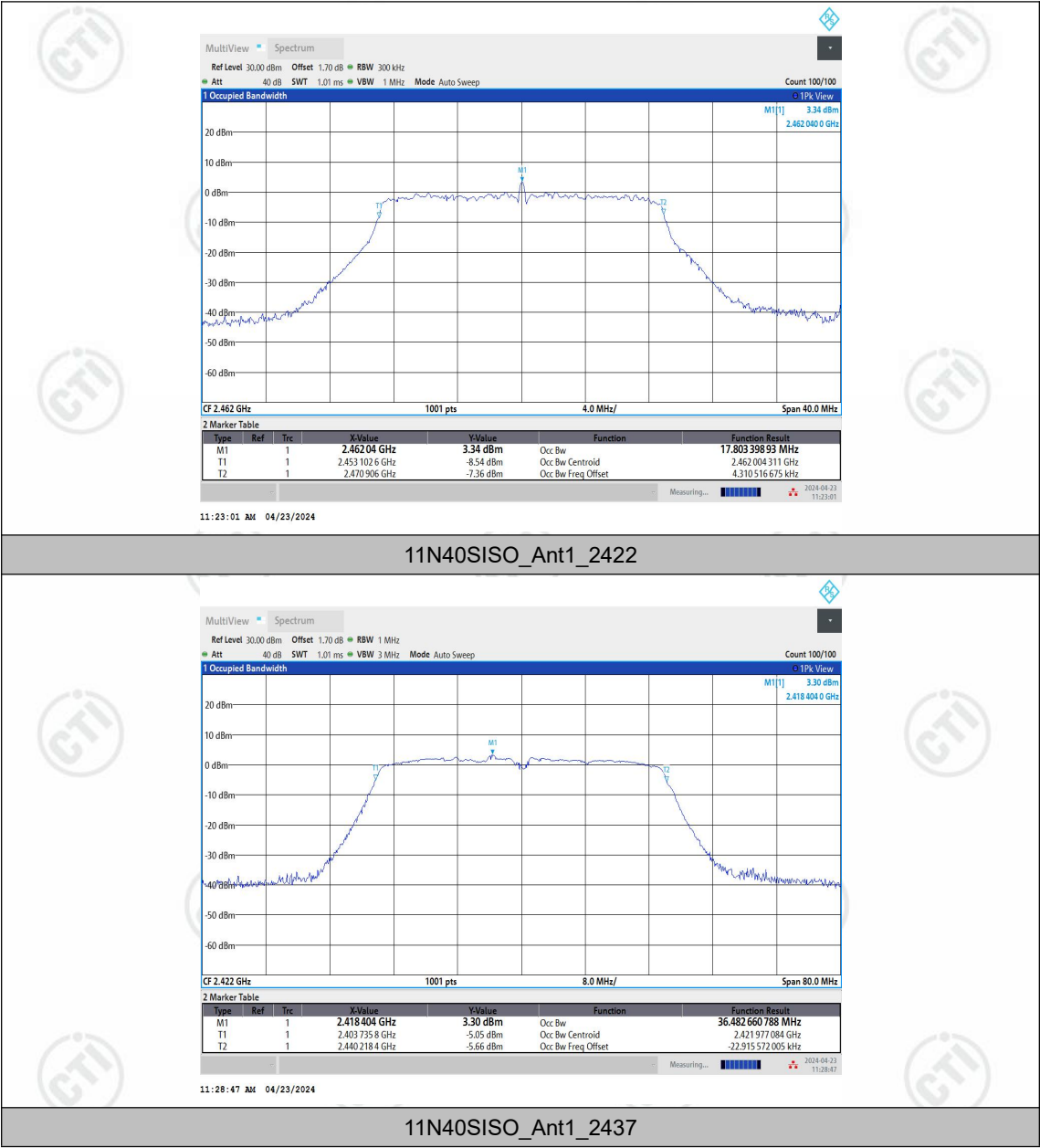
Test Graphs

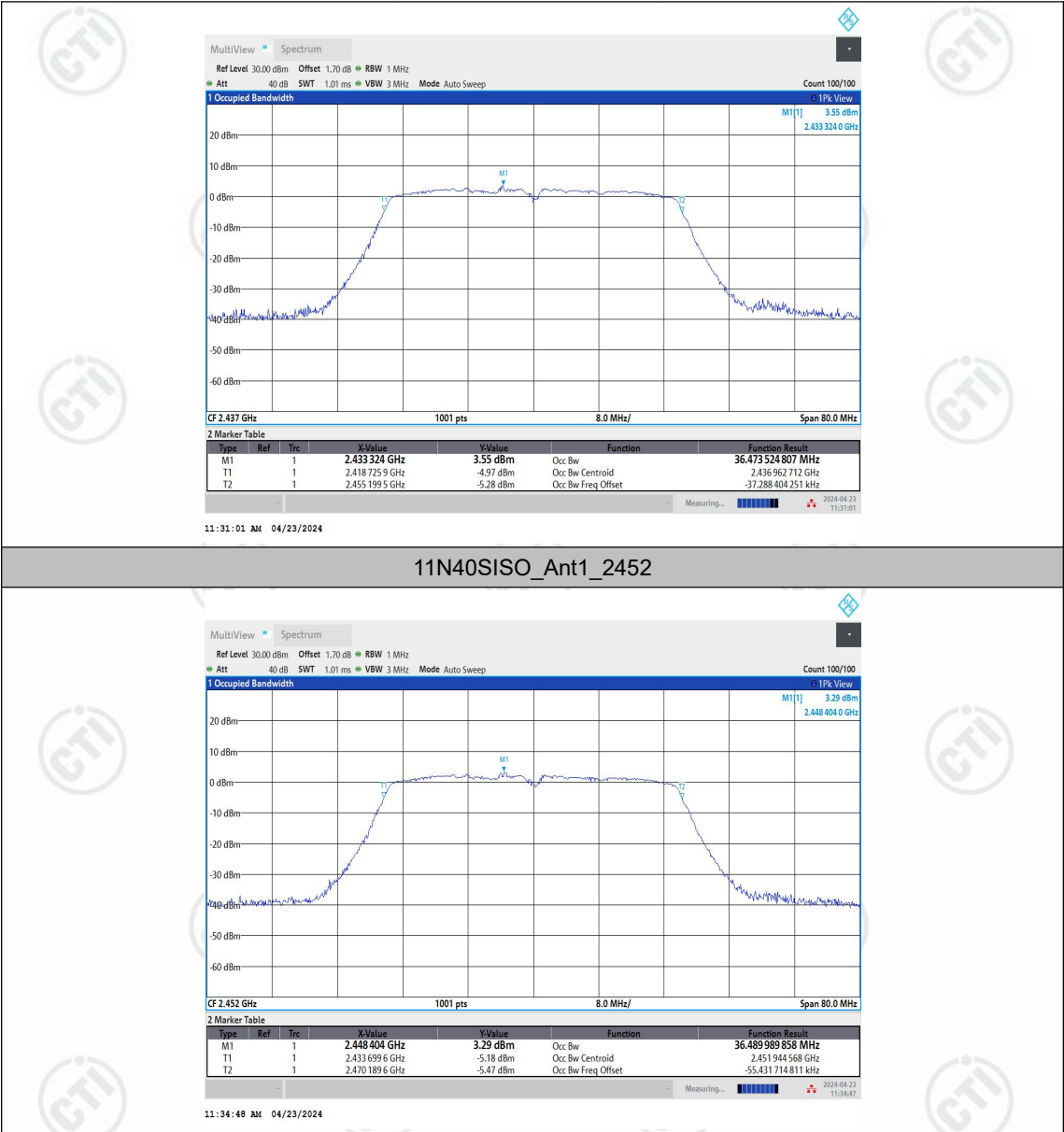












Appendix C: Maximum conducted output power

Test Result Peak

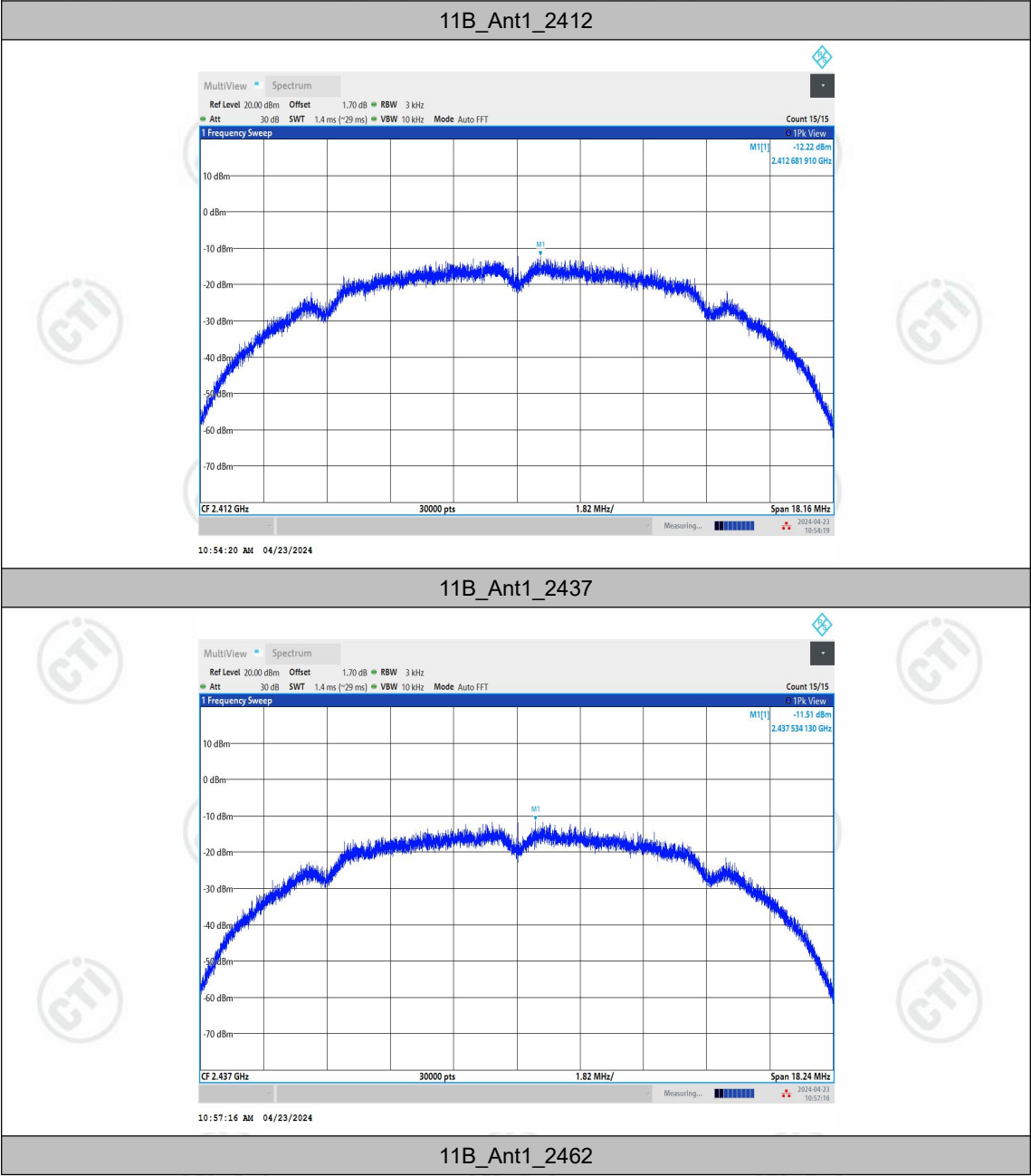
TestMode	Antenna	Frequen cy[MHz]	Set Power	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	---	17.04	≤30.00	PASS
		2437	---	17.39	≤30.00	PASS
		2462	---	17.20	≤30.00	PASS
11G	Ant1	2412	---	17.63	≤30.00	PASS
		2437	---	17.77	≤30.00	PASS
		2462	---	17.59	≤30.00	PASS
11N20SIS O	Ant1	2412	---	16.59	≤30.00	PASS
		2437	---	16.79	≤30.00	PASS
		2462	---	16.65	≤30.00	PASS
11N40SIS O	Ant1	2422	---	16.10	≤30.00	PASS
		2437	---	16.38	≤30.00	PASS
		2452	---	16.10	≤30.00	PASS

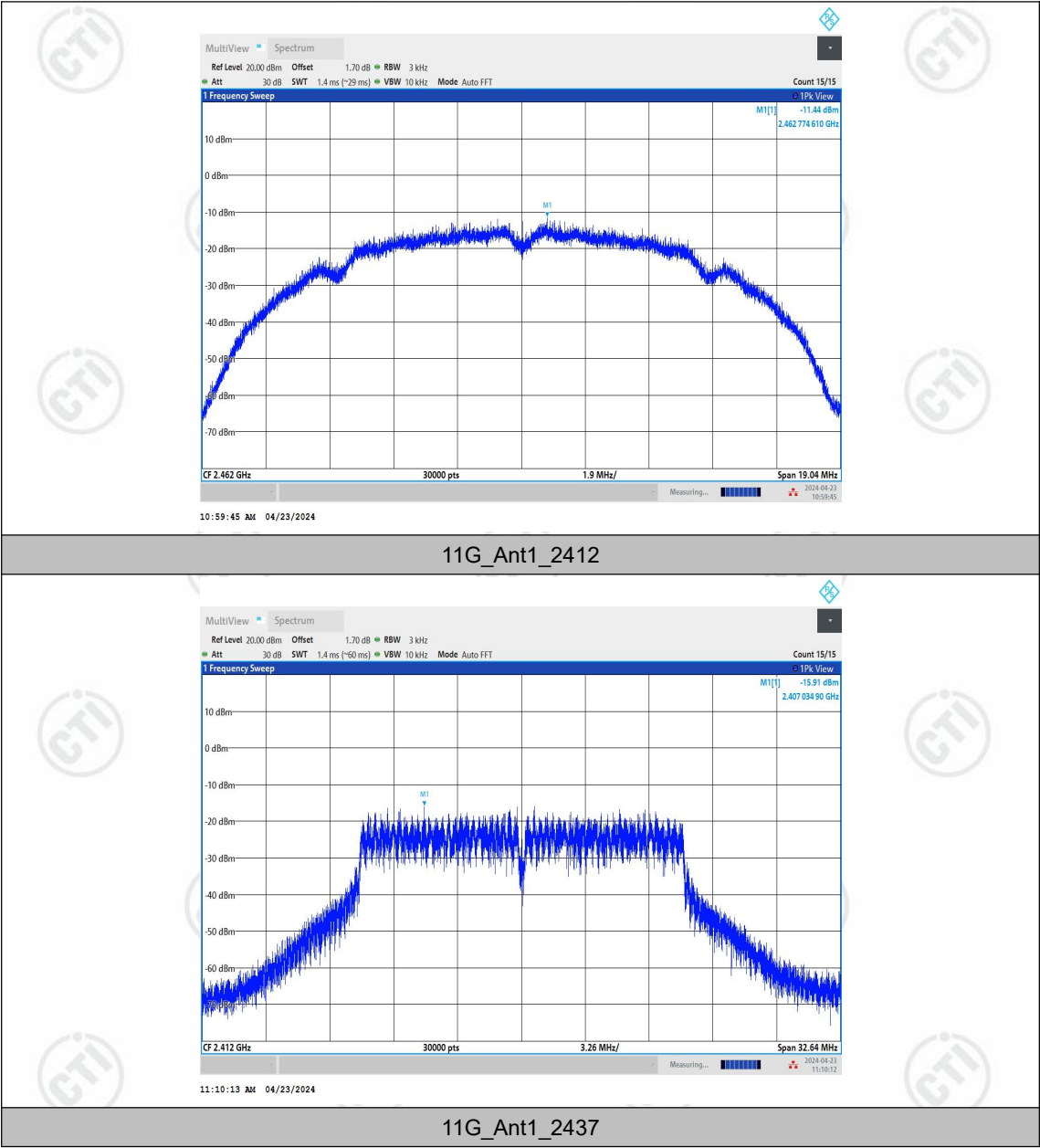
Appendix D: Maximum power spectral density

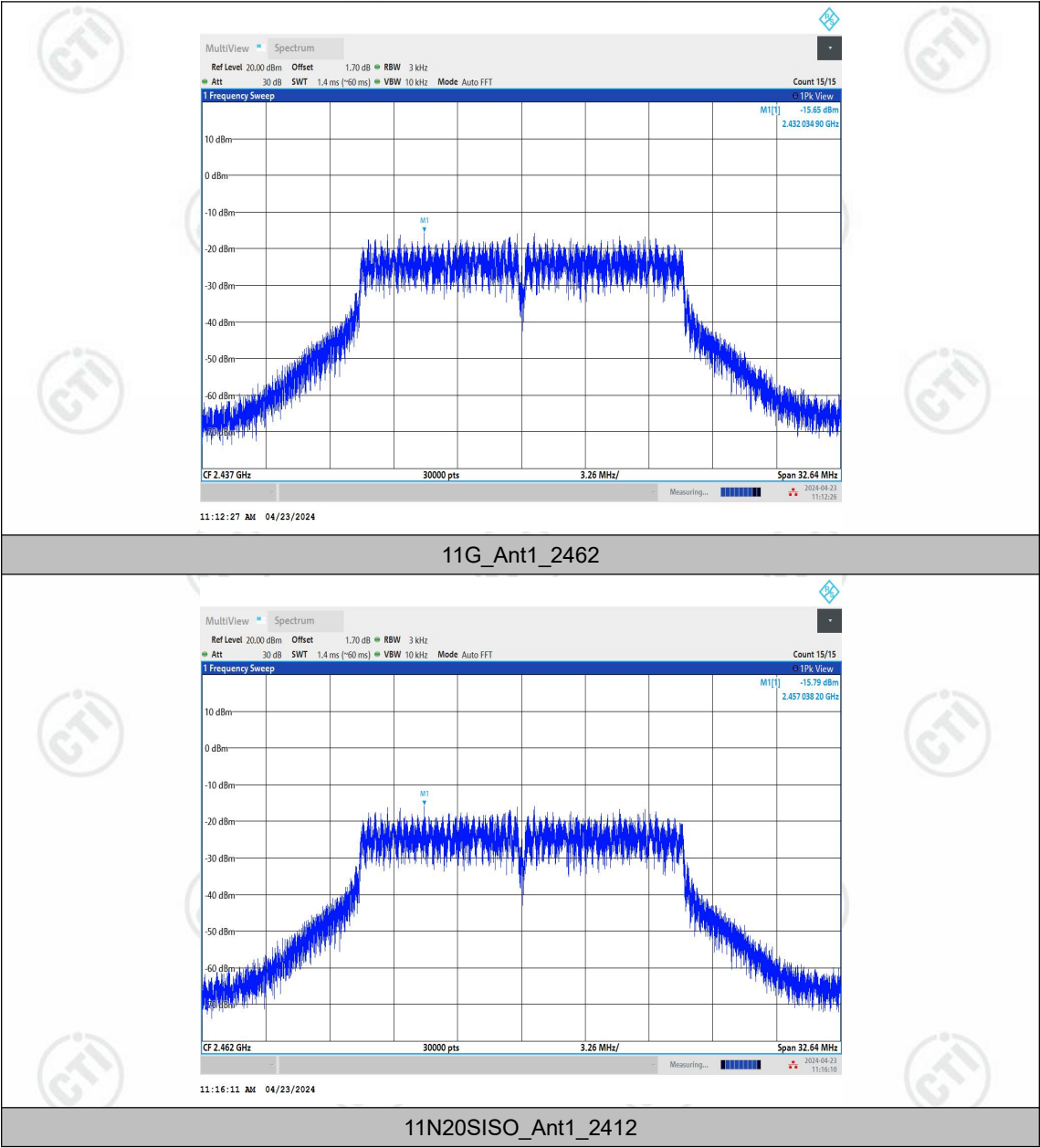
Test Result

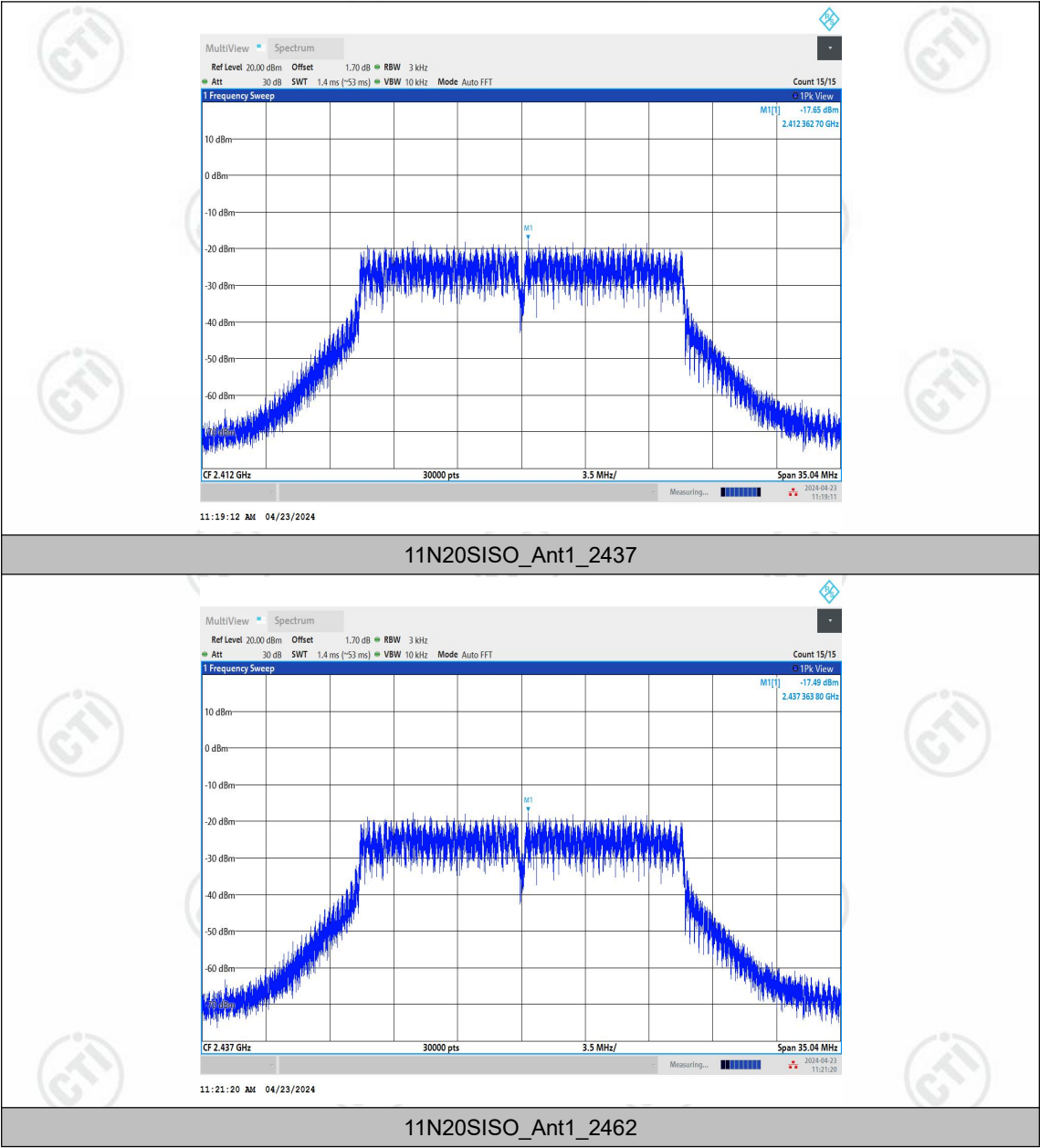
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.22	≤8.00	PASS
		2437	-11.51	≤8.00	PASS
		2462	-11.44	≤8.00	PASS
11G	Ant1	2412	-15.91	≤8.00	PASS
		2437	-15.65	≤8.00	PASS
		2462	-15.79	≤8.00	PASS
11N20SISO	Ant1	2412	-17.65	≤8.00	PASS
		2437	-17.49	≤8.00	PASS
		2462	-17.5	≤8.00	PASS
11N40SISO	Ant1	2422	-20.92	≤8.00	PASS
		2437	-20.1	≤8.00	PASS
		2452	-20.47	≤8.00	PASS

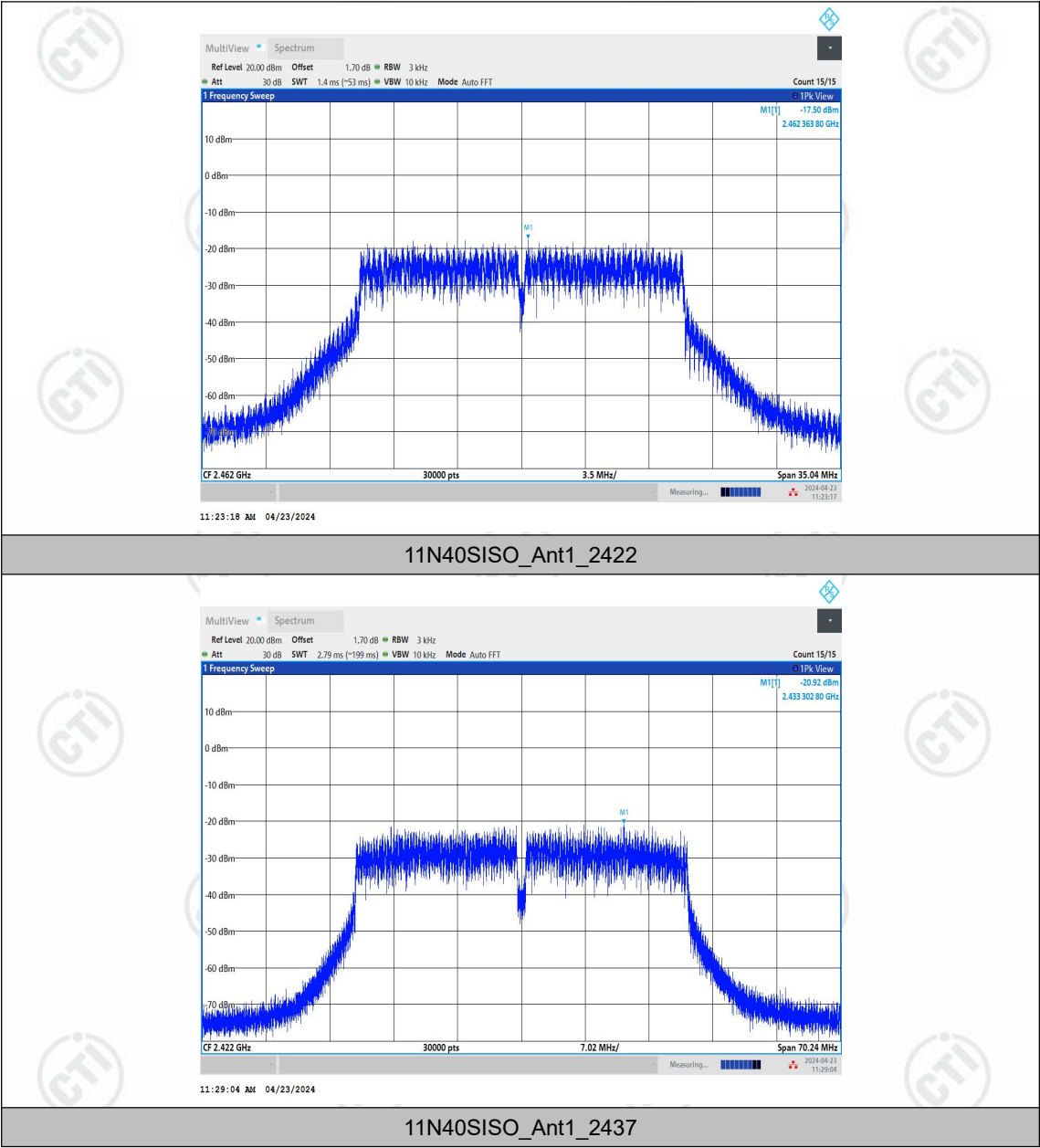
Test Graphs

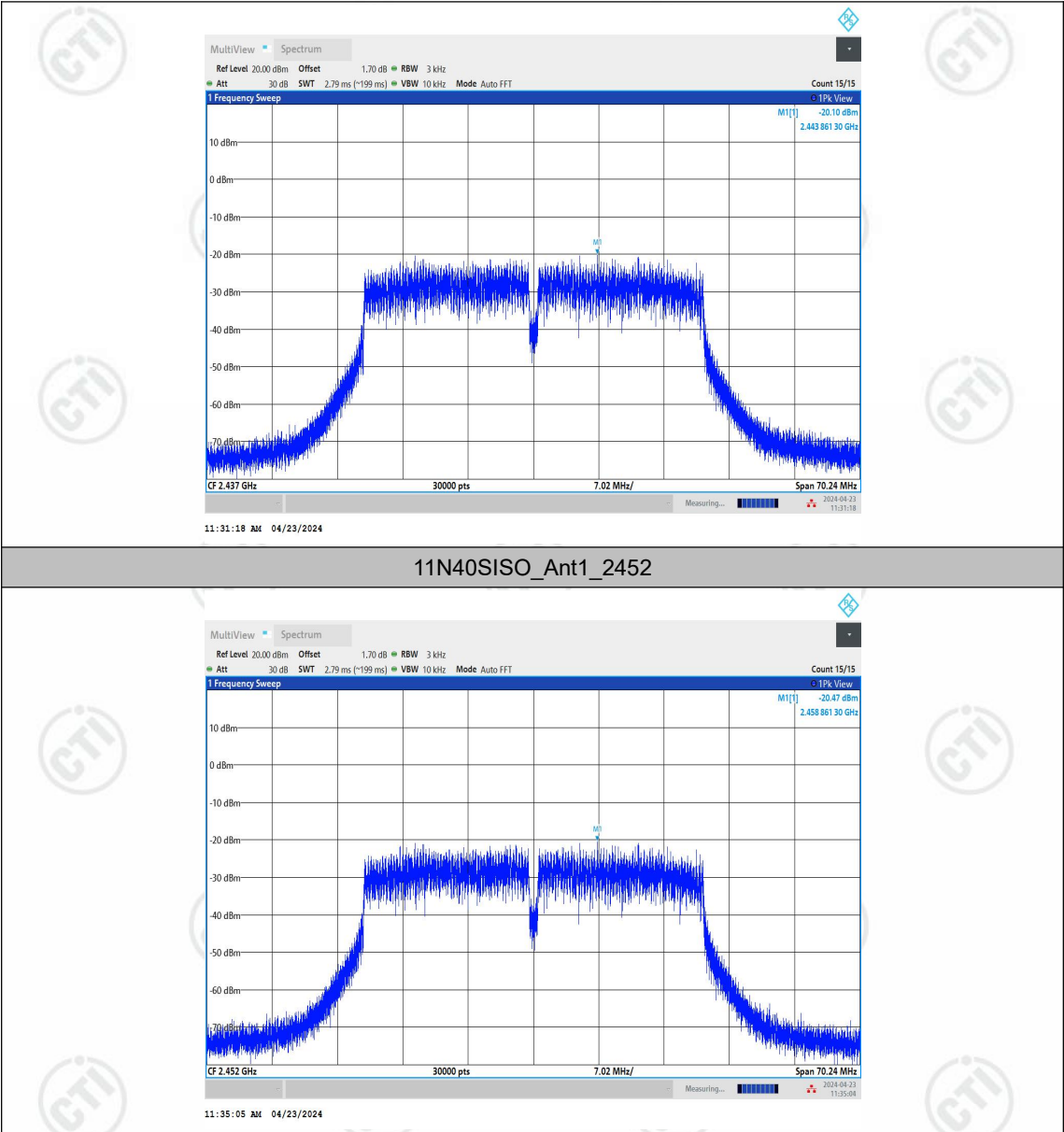












Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.60	-46.96	≤-17.4	PASS
		High	2462	2.86	-53.93	≤-17.14	PASS
11G	Ant1	Low	2412	-1.75	-37.54	≤-21.75	PASS
		High	2462	-1.62	-45.45	≤-21.62	PASS
11N20SISO	Ant1	Low	2412	-2.71	-37.95	≤-22.71	PASS
		High	2462	-2.50	-49.79	≤-22.5	PASS
11N40SISO	Ant1	Low	2422	-5.54	-41.91	≤-25.54	PASS
		High	2452	-5.39	-52.16	≤-25.39	PASS