

Appendix: 2.4G Wi-Fi

Contents

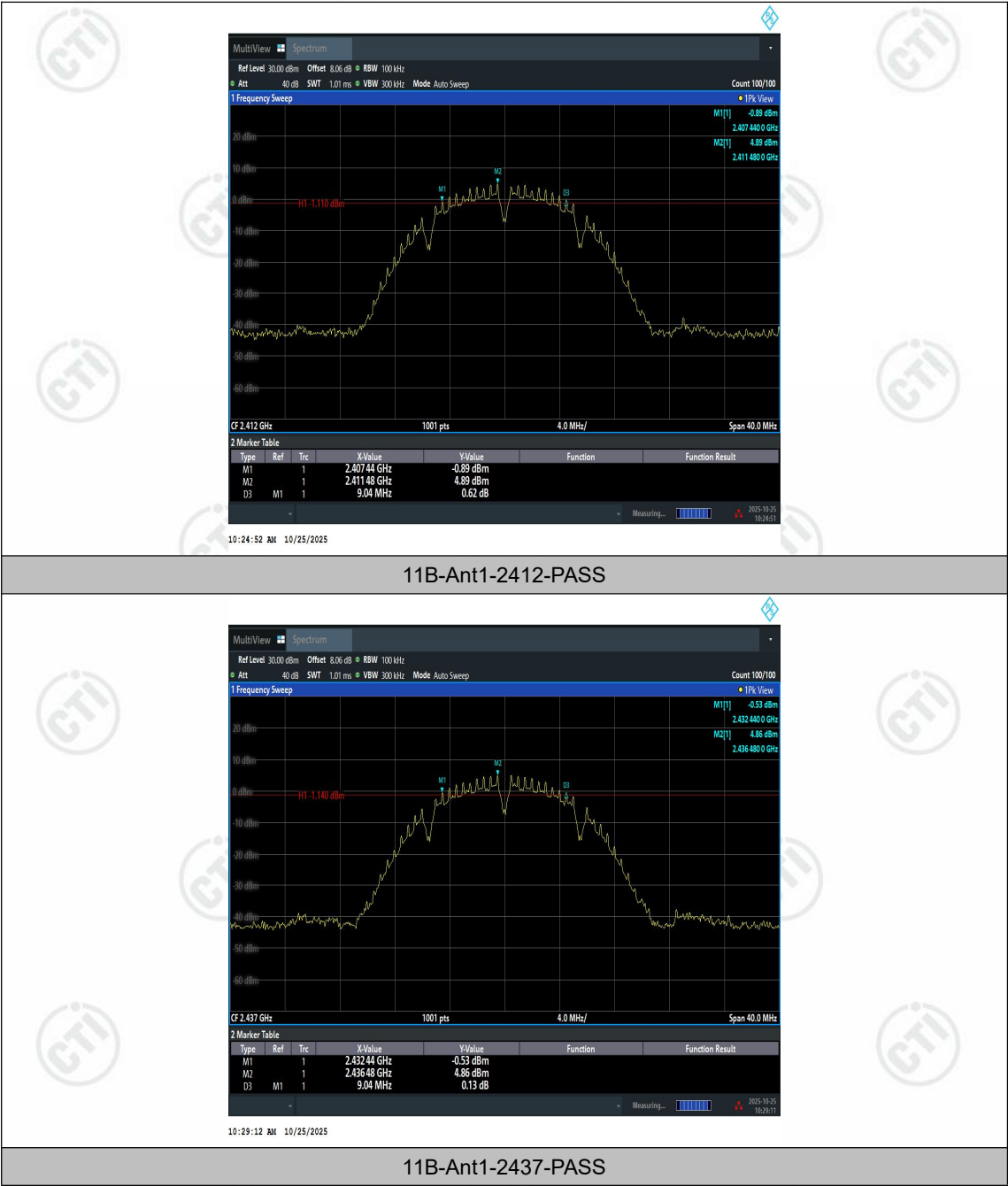
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Appendix A: DTS Bandwidth

Test Result

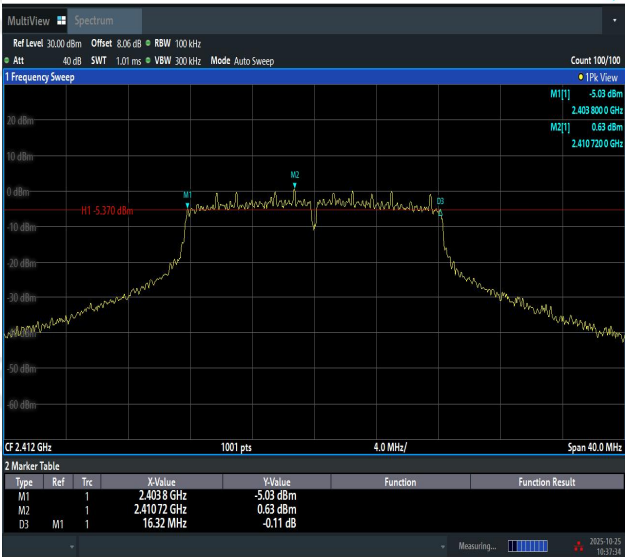
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.04	2407.44	2416.48	0.5	PASS
11B	Ant1	2437	9.04	2432.44	2441.48	0.5	PASS
11B	Ant1	2462	9.04	2457.44	2466.48	0.5	PASS
11G	Ant1	2412	16.32	2403.80	2420.12	0.5	PASS
11G	Ant1	2437	16.08	2428.80	2444.88	0.5	PASS
11G	Ant1	2462	16.08	2453.80	2469.88	0.5	PASS
11N20SISO	Ant1	2412	17.60	2403.16	2420.76	0.5	PASS
11N20SISO	Ant1	2437	16.92	2428.20	2445.12	0.5	PASS
11N20SISO	Ant1	2462	17.28	2453.20	2470.48	0.5	PASS
11N40SISO	Ant1	2422	35.36	2404.24	2439.60	0.5	PASS
11N40SISO	Ant1	2437	35.76	2418.84	2454.60	0.5	PASS
11N40SISO	Ant1	2452	34.08	2434.24	2468.32	0.5	PASS
11AX20SISO	Ant1	2412	18.88	2402.48	2421.36	0.5	PASS
11AX20SISO	Ant1	2437	18.44	2427.76	2446.20	0.5	PASS
11AX20SISO	Ant1	2462	18.20	2452.92	2471.12	0.5	PASS
11AX40SISO	Ant1	2422	36.16	2403.44	2439.60	0.5	PASS
11AX40SISO	Ant1	2437	36.08	2418.52	2454.60	0.5	PASS
11AX40SISO	Ant1	2452	36.48	2433.12	2469.60	0.5	PASS

Test Graphs

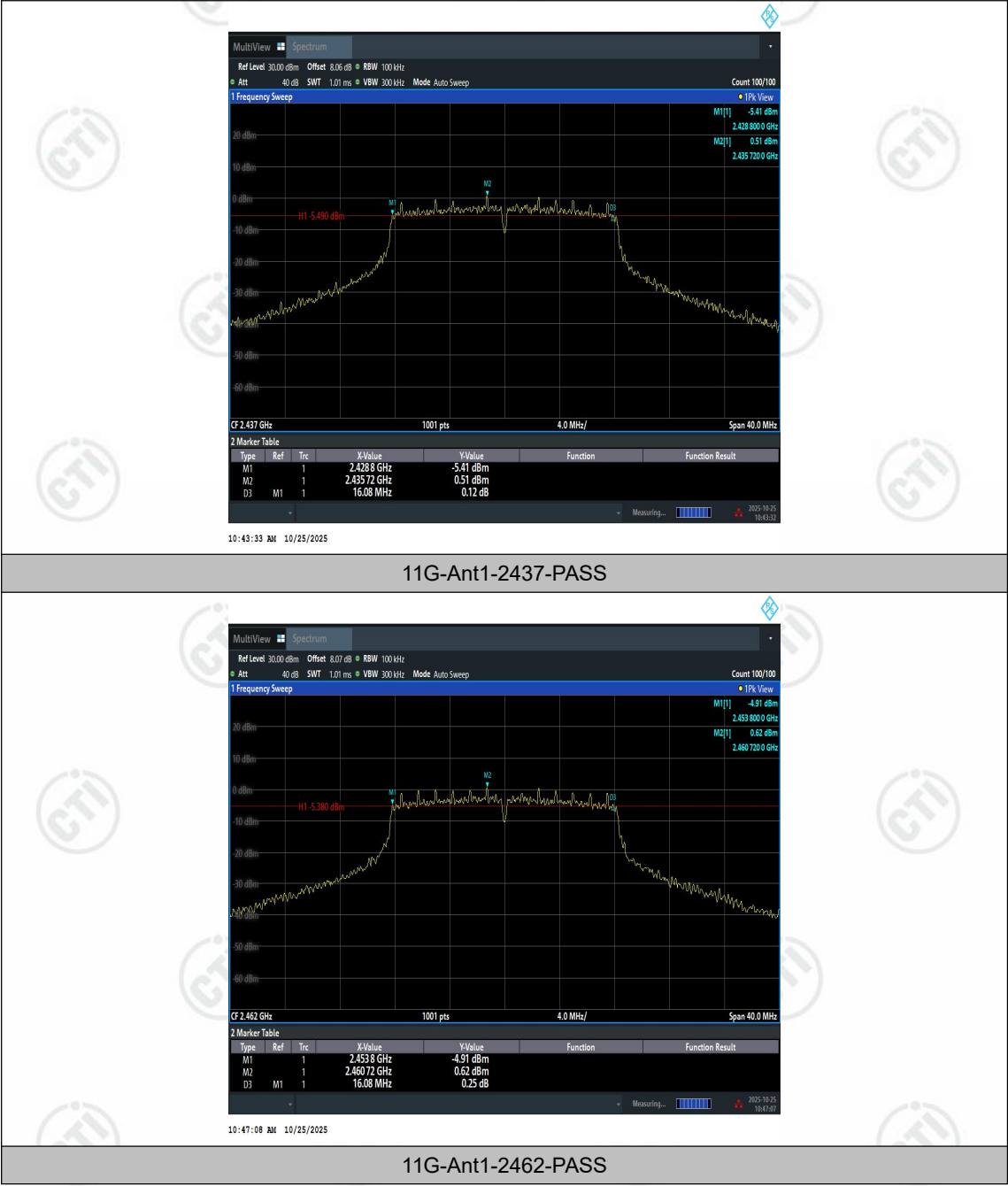


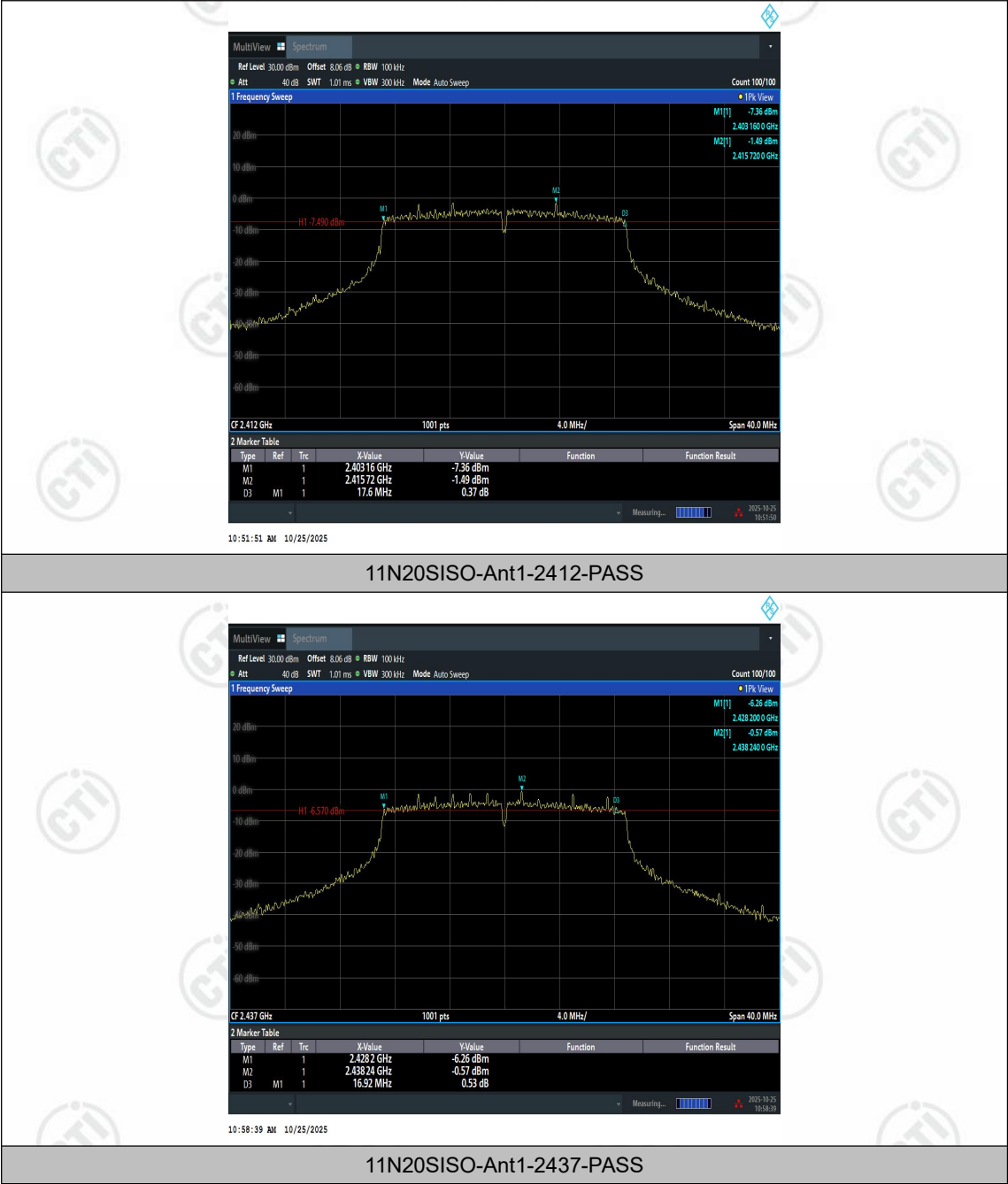


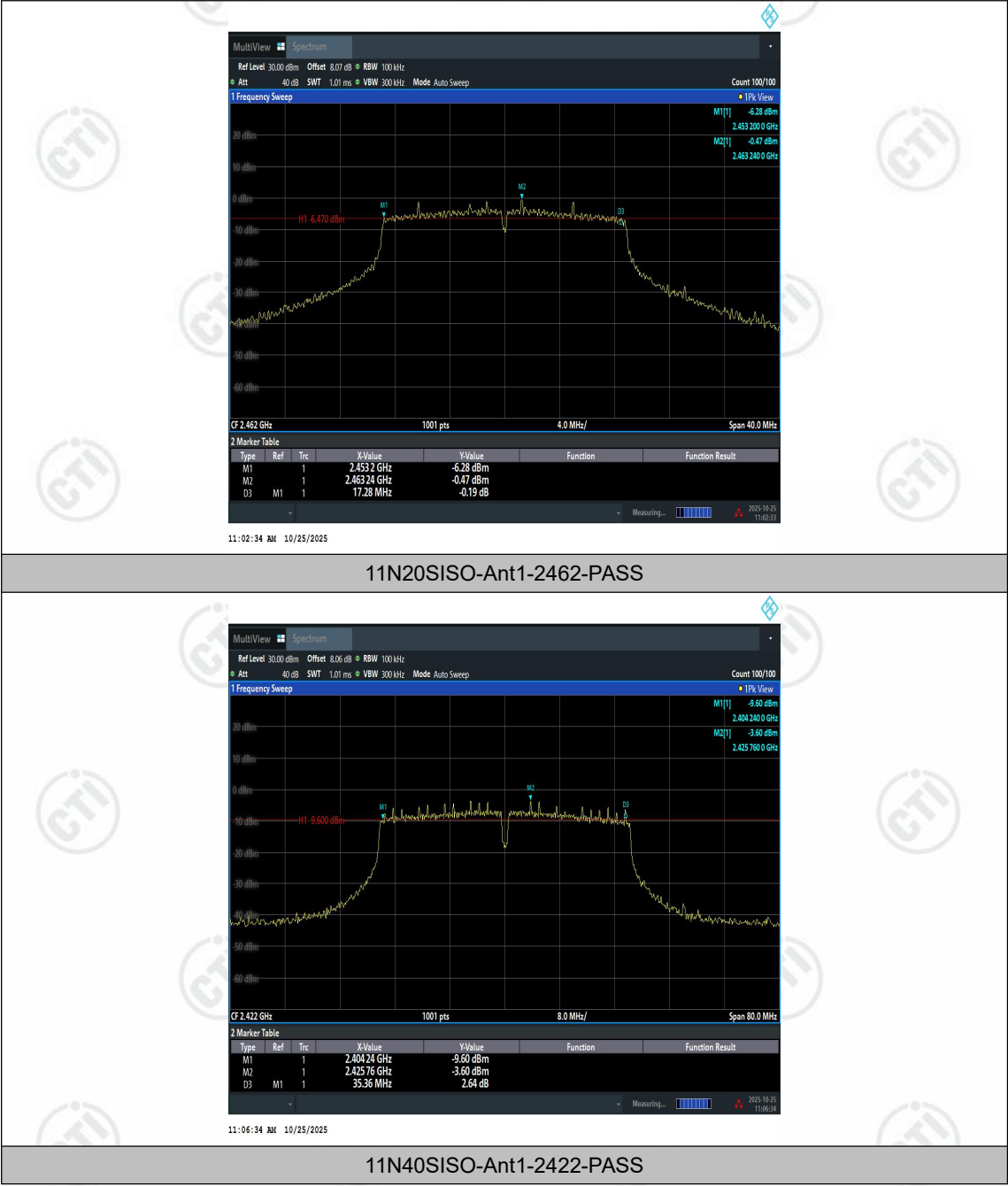
11B-Ant1-2462-PASS

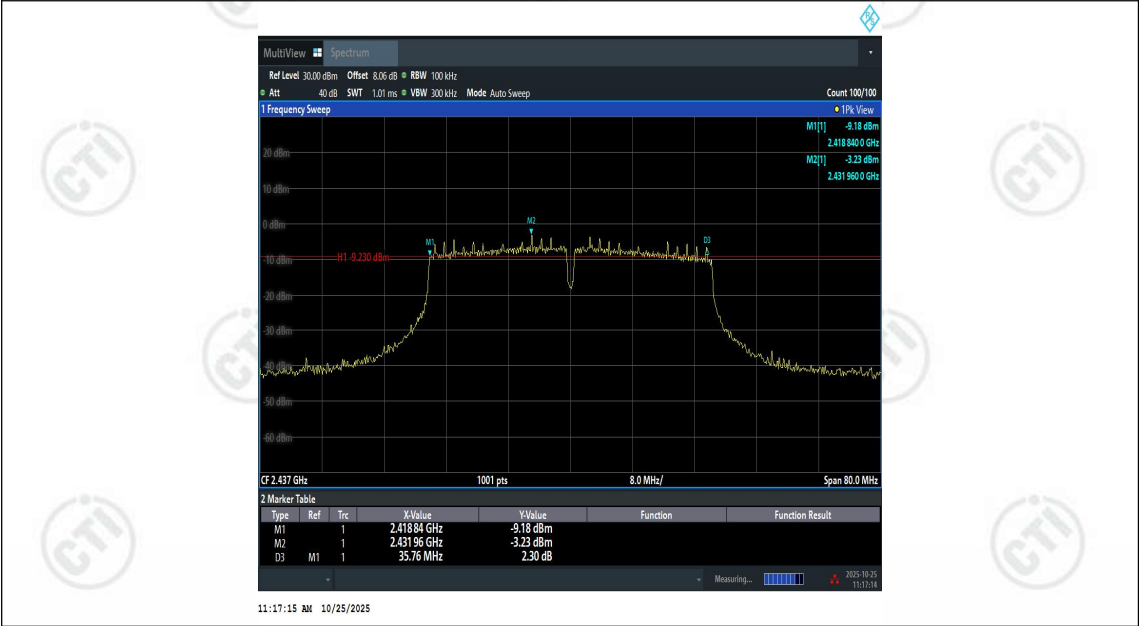


11G-Ant1-2412-PASS

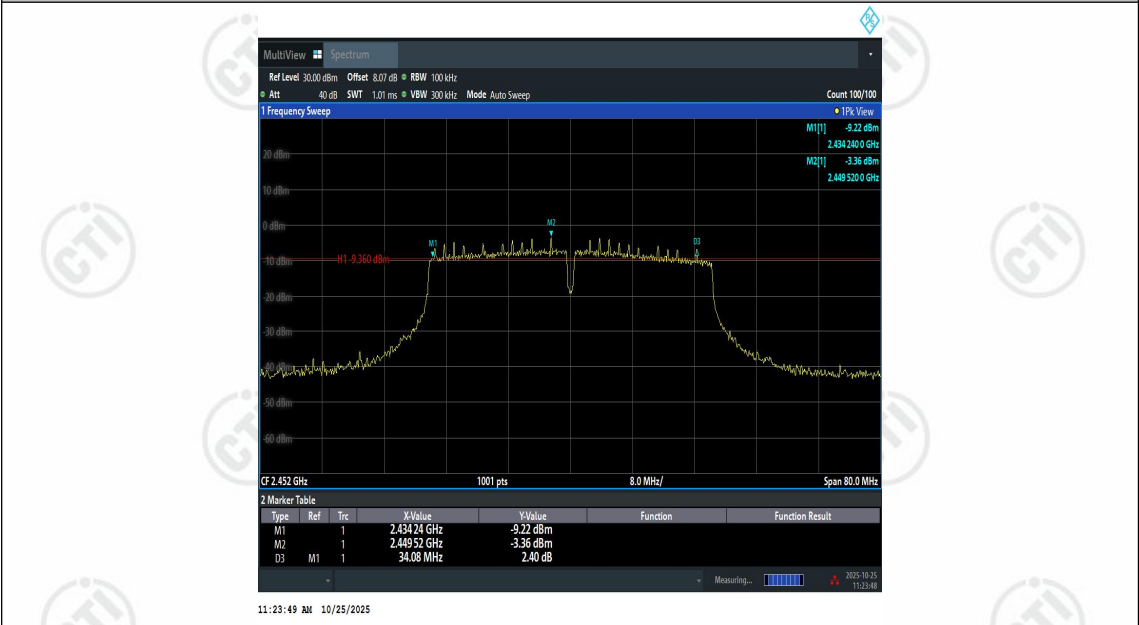




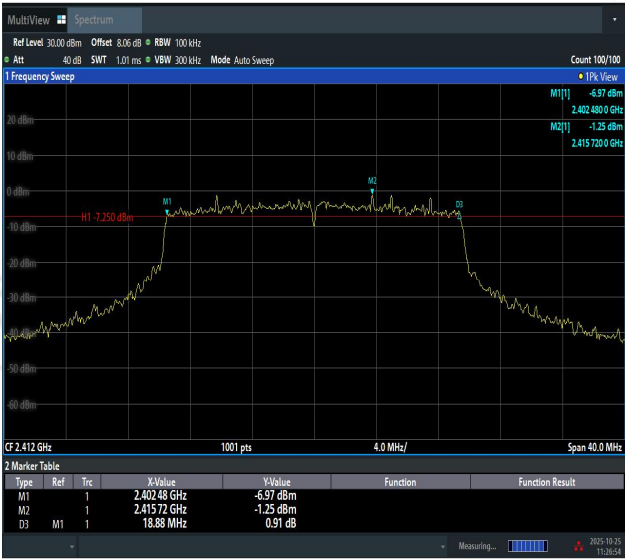




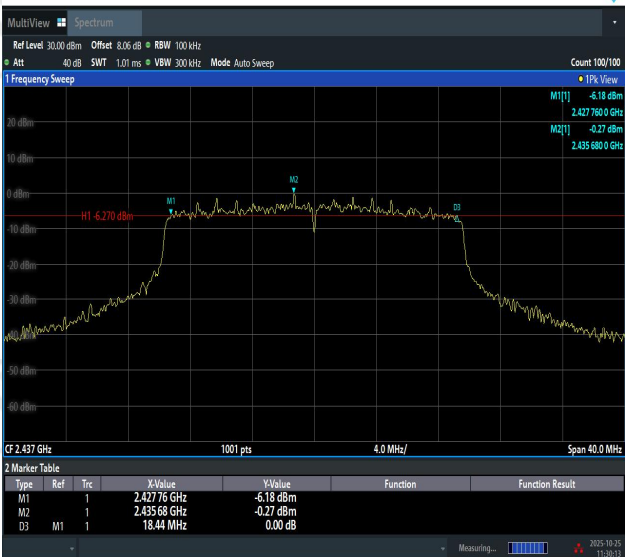
11N40SISO-Ant1-2437-PASS



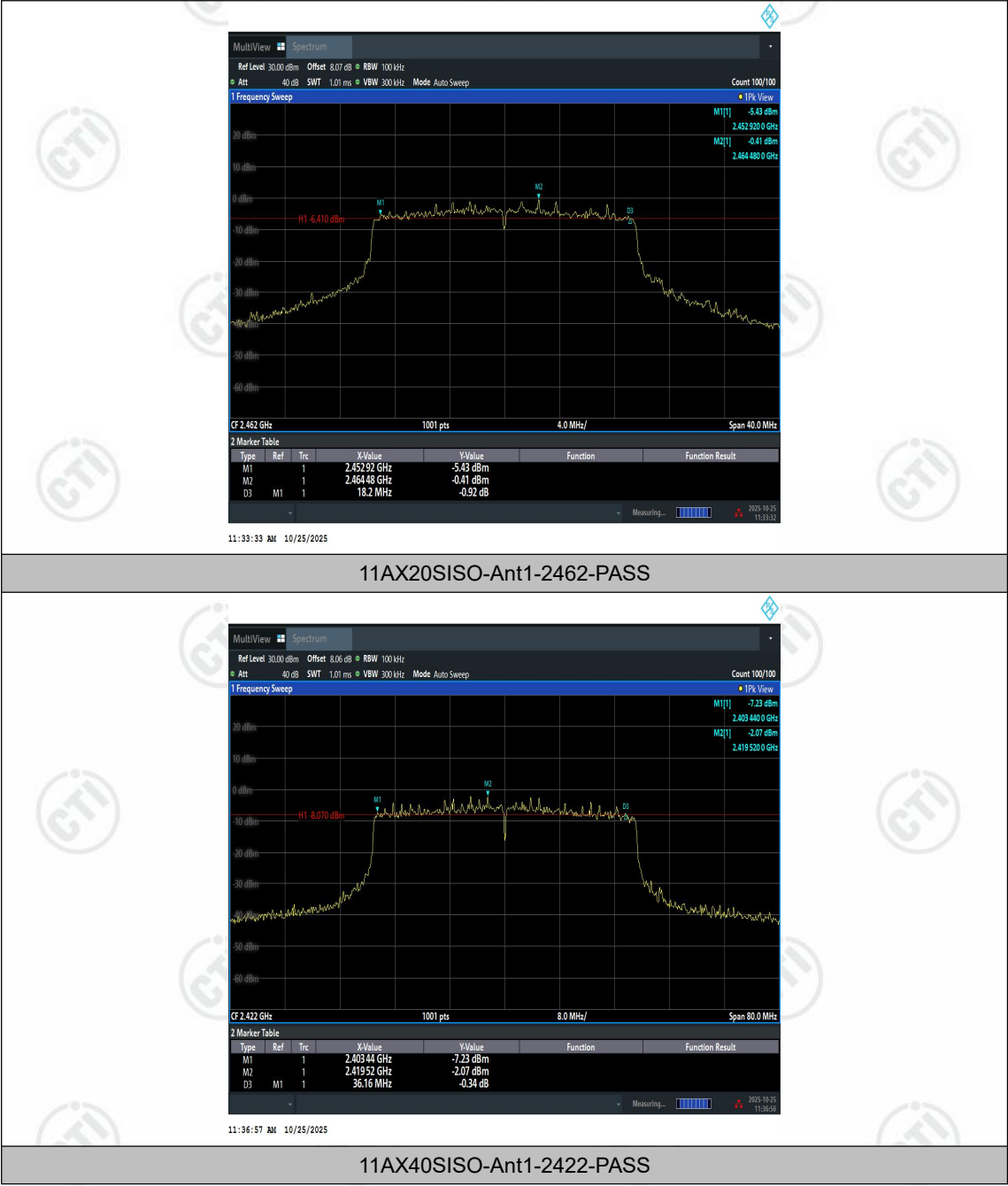
11N40SISO-Ant1-2452-PASS

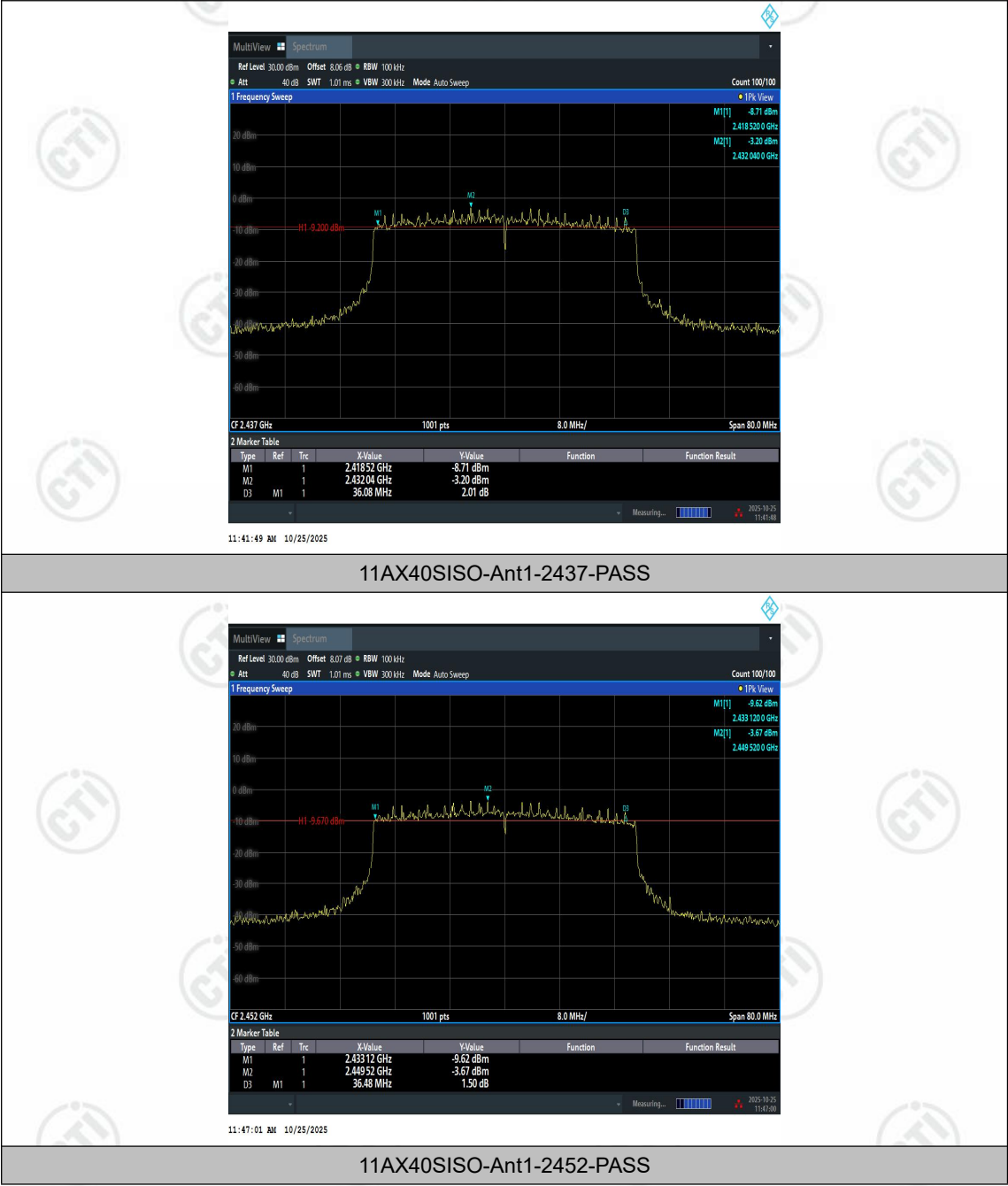


11AX20SISO-Ant1-2412-PASS



11AX20SISO-Ant1-2437-PASS





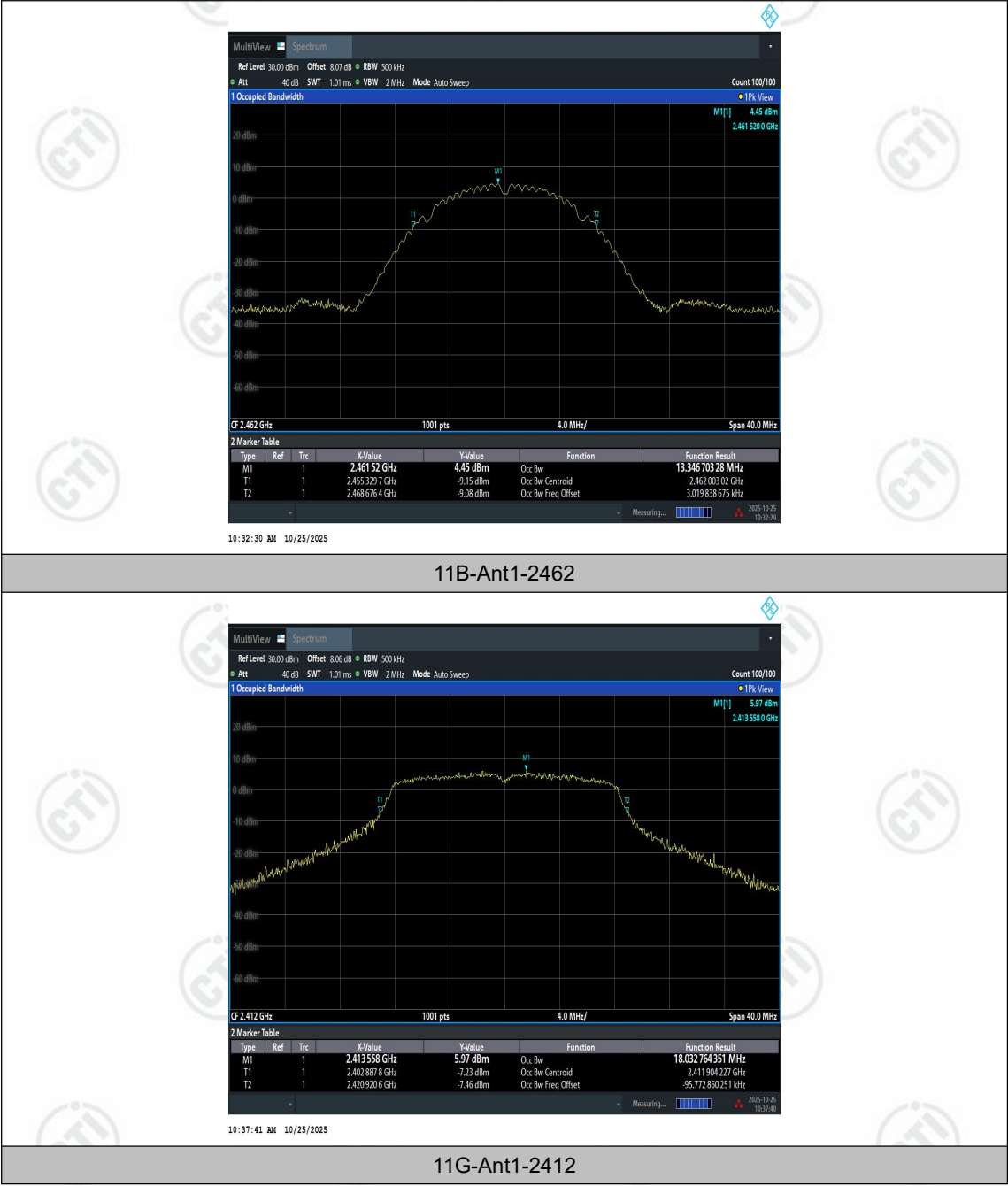
Appendix B: Occupied Channel Bandwidth

Test Result

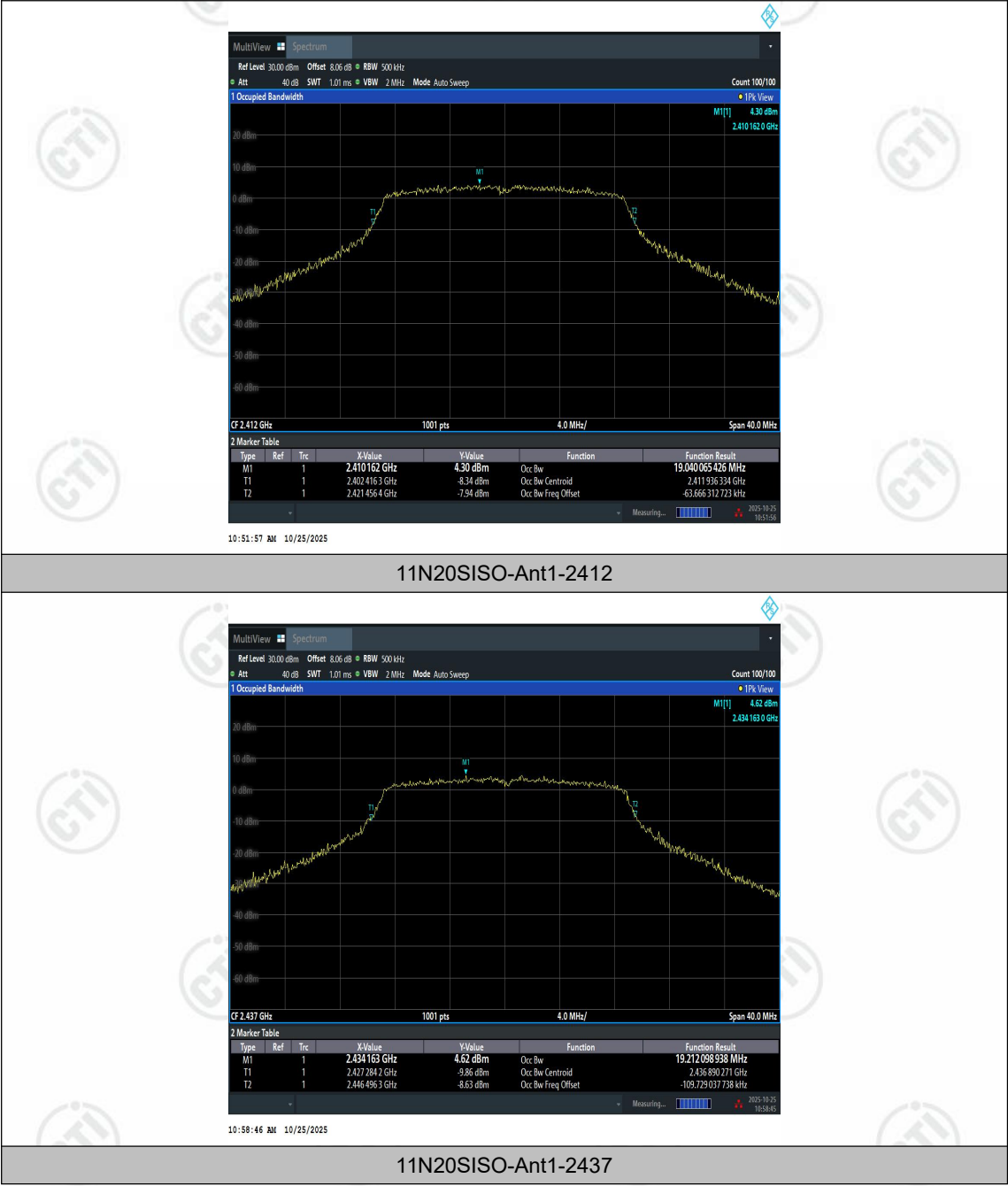
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.234	2405.4242	2418.6579	---	---
11B	Ant1	2437	13.284	2430.3753	2443.6596	---	---
11B	Ant1	2462	13.347	2455.3297	2468.6764	---	---
11G	Ant1	2412	18.033	2402.8878	2420.9206	---	---
11G	Ant1	2437	18.118	2427.7990	2445.9171	---	---
11G	Ant1	2462	18.022	2452.8547	2470.8763	---	---
11N20SISO	Ant1	2412	19.040	2402.4163	2421.4564	---	---
11N20SISO	Ant1	2437	19.212	2427.2842	2446.4963	---	---
11N20SISO	Ant1	2462	19.246	2452.2773	2471.5229	---	---
11N40SISO	Ant1	2422	37.308	2403.2443	2440.5521	---	---
11N40SISO	Ant1	2437	37.385	2418.1784	2455.5638	---	---
11N40SISO	Ant1	2452	37.354	2433.1688	2470.5229	---	---
11AX20SISO	Ant1	2412	19.545	2402.2114	2421.7569	---	---
11AX20SISO	Ant1	2437	19.500	2427.1965	2446.6965	---	---
11AX20SISO	Ant1	2462	19.545	2452.1687	2471.7137	---	---
11AX40SISO	Ant1	2422	38.312	2402.7887	2441.1010	---	---
11AX40SISO	Ant1	2437	38.334	2417.7976	2456.1320	---	---
11AX40SISO	Ant1	2452	38.362	2432.7111	2471.0735	---	---

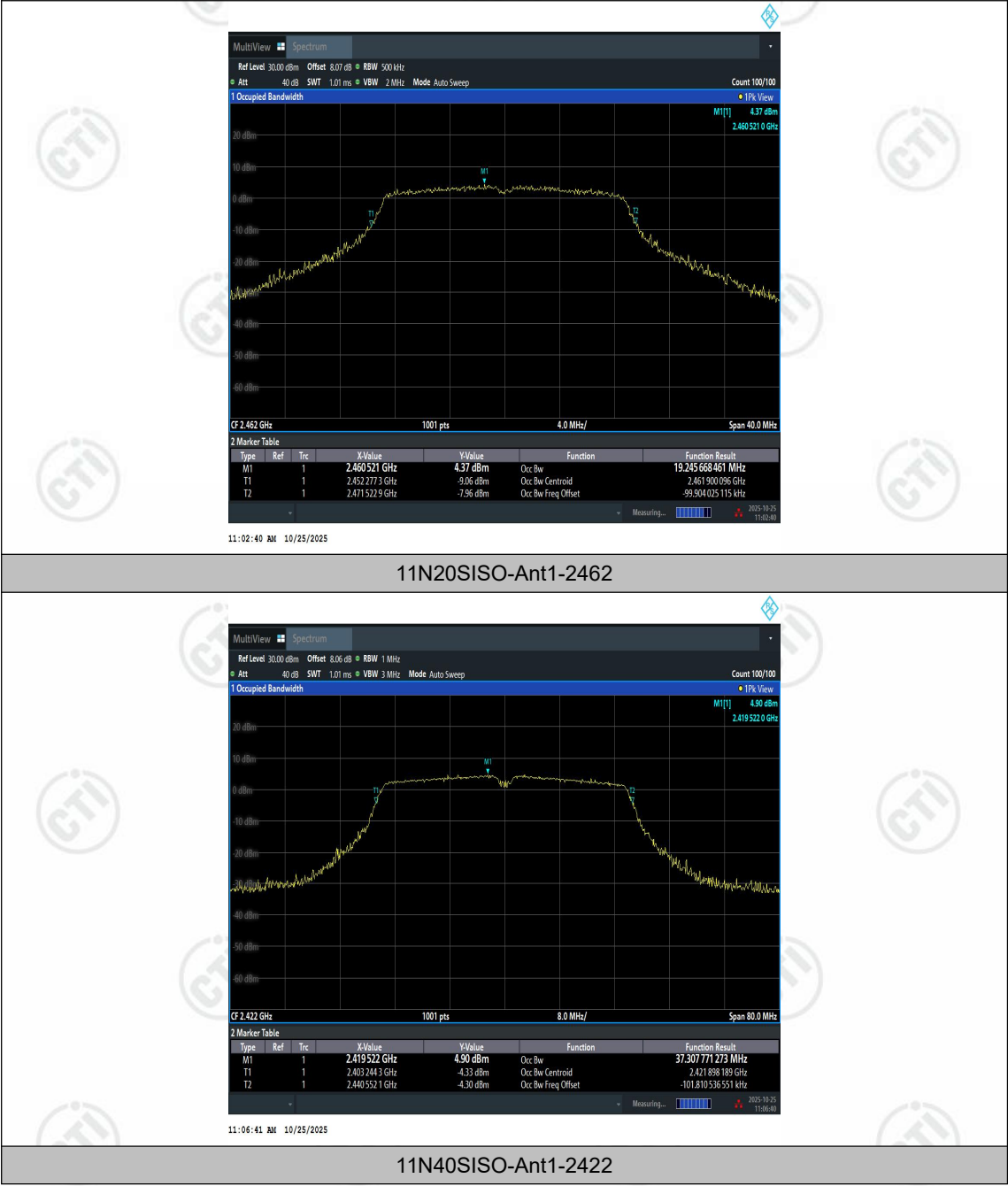
Test Graphs

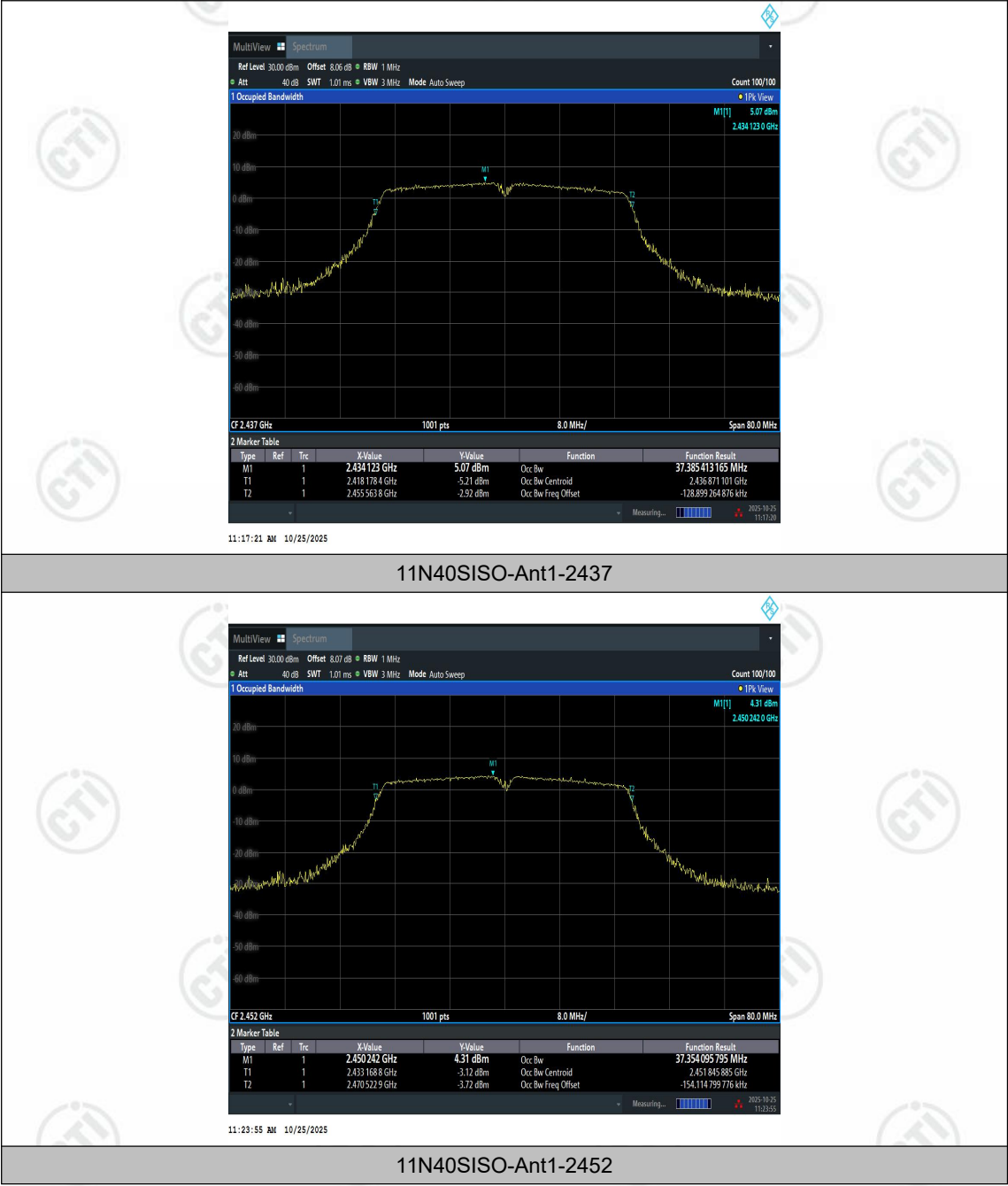


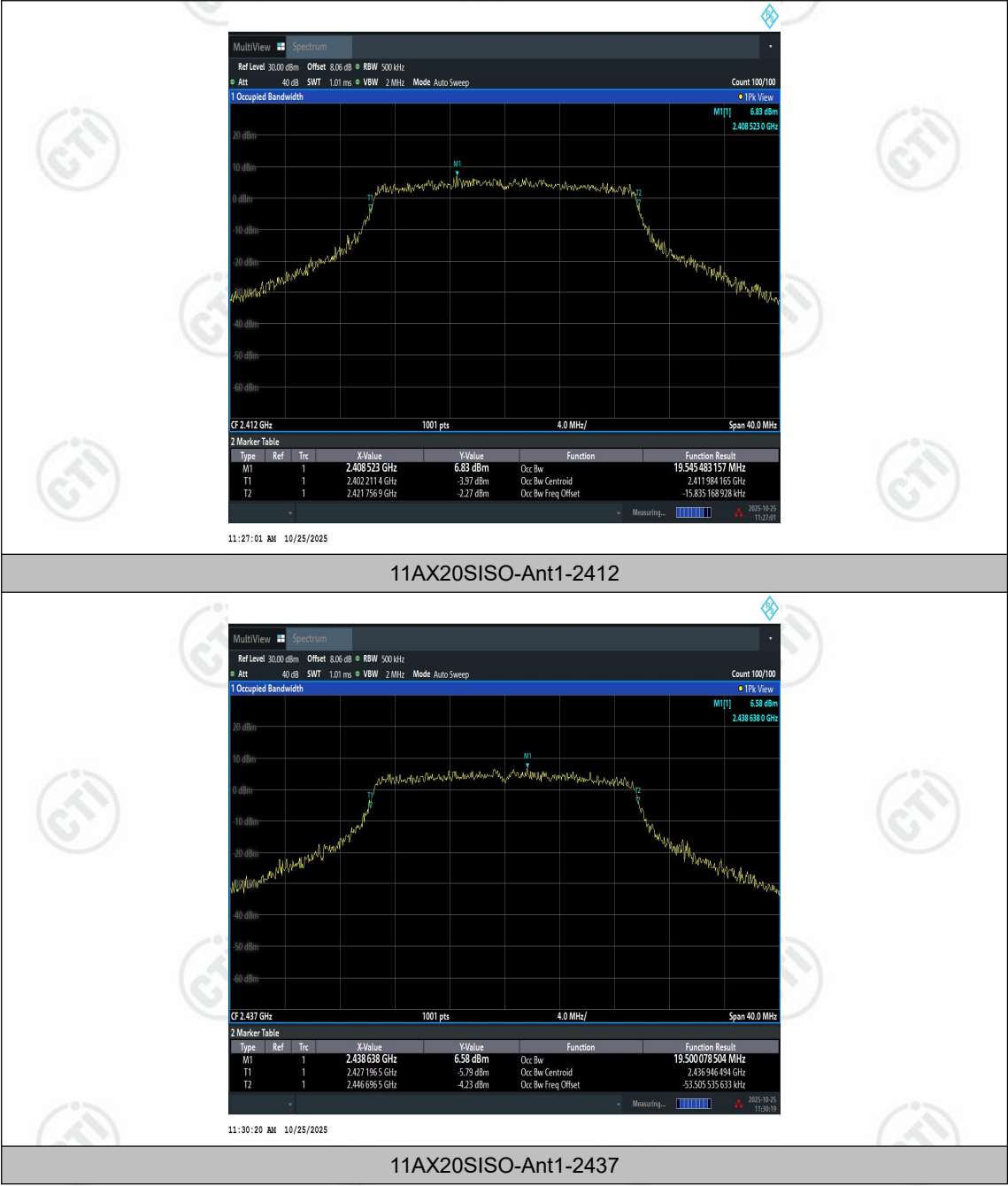


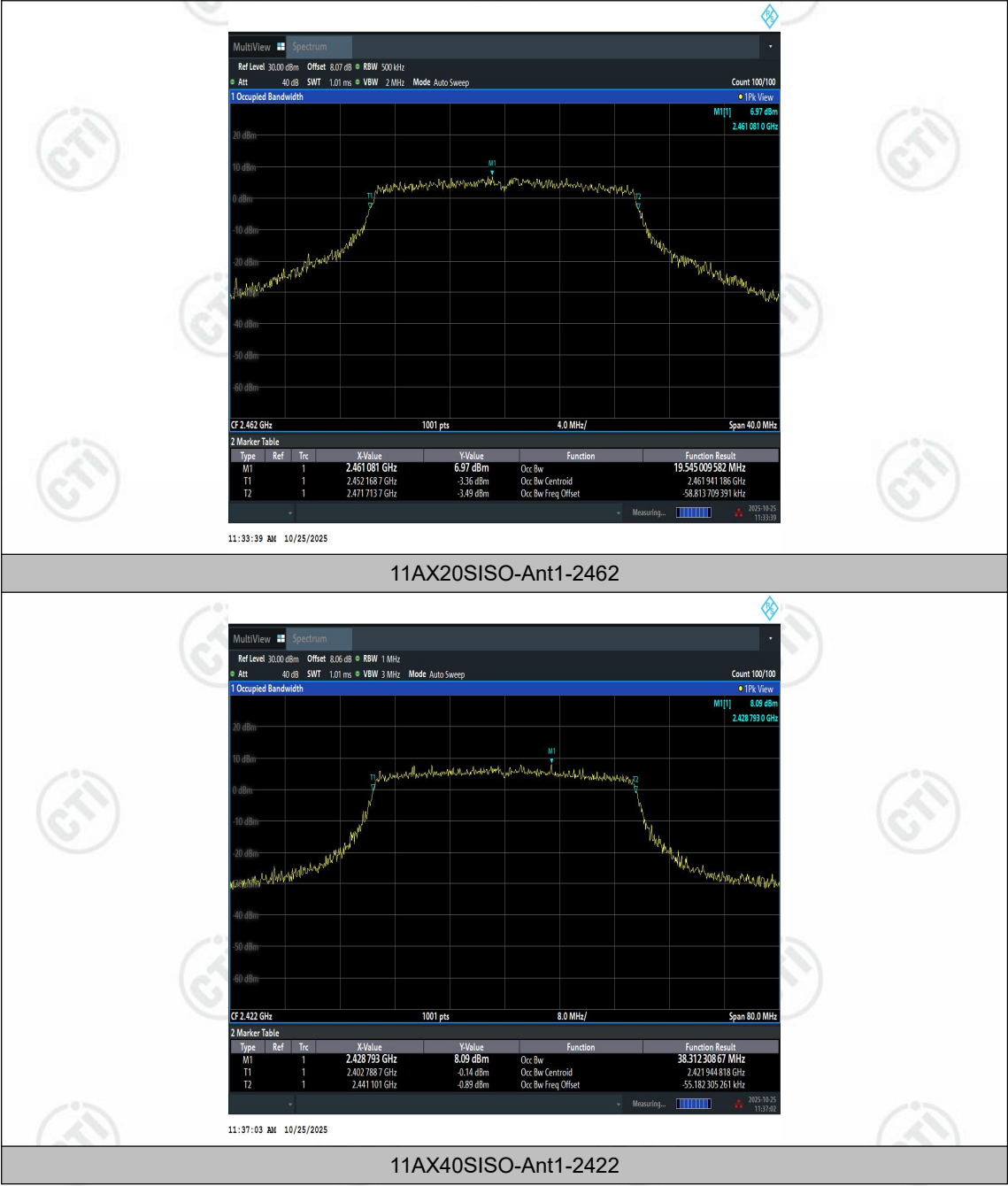














Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Set Power	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	---	13.43	≤30.00	PASS
11B	Ant1	2437	---	13.28	≤30.00	PASS
11B	Ant1	2462	---	13.23	≤30.00	PASS
11G	Ant1	2412	---	12.44	≤30.00	PASS
11G	Ant1	2437	---	12.18	≤30.00	PASS
11G	Ant1	2462	---	12.58	≤30.00	PASS
11N20SISO	Ant1	2412	---	11.49	≤30.00	PASS
11N20SISO	Ant1	2437	---	11.22	≤30.00	PASS
11N20SISO	Ant1	2462	---	11.74	≤30.00	PASS
11N40SISO	Ant1	2422	---	11.22	≤30.00	PASS
11N40SISO	Ant1	2437	---	11.38	≤30.00	PASS
11N40SISO	Ant1	2452	---	10.99	≤30.00	PASS
11AX20SISO	Ant1	2412	---	11.43	≤30.00	PASS
11AX20SISO	Ant1	2437	---	11.15	≤30.00	PASS
11AX20SISO	Ant1	2462	---	11.65	≤30.00	PASS
11AX40SISO	Ant1	2422	---	11.86	≤30.00	PASS
11AX40SISO	Ant1	2437	---	11.36	≤30.00	PASS
11AX40SISO	Ant1	2452	---	11.05	≤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	-18.10	≤8.00	PASS
11B	Ant1	2437	-17.83	≤8.00	PASS
11B	Ant1	2462	-18.53	≤8.00	PASS
11G	Ant1	2412	-20.98	≤8.00	PASS
11G	Ant1	2437	-21.12	≤8.00	PASS
11G	Ant1	2462	-20.44	≤8.00	PASS
11N20SISO	Ant1	2412	-22.82	≤8.00	PASS
11N20SISO	Ant1	2437	-22.65	≤8.00	PASS
11N20SISO	Ant1	2462	-22.77	≤8.00	PASS
11N40SISO	Ant1	2422	-25.17	≤8.00	PASS
11N40SISO	Ant1	2437	-24.20	≤8.00	PASS
11N40SISO	Ant1	2452	-25.17	≤8.00	PASS
11AX20SISO	Ant1	2412	-23.48	≤8.00	PASS
11AX20SISO	Ant1	2437	-24.05	≤8.00	PASS
11AX20SISO	Ant1	2462	-22.86	≤8.00	PASS
11AX40SISO	Ant1	2422	-25.66	≤8.00	PASS
11AX40SISO	Ant1	2437	-25.47	≤8.00	PASS
11AX40SISO	Ant1	2452	-26.31	≤8.00	PASS