

Appendix: 2.4G Wi-Fi

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Appendix A: DTS Bandwidth

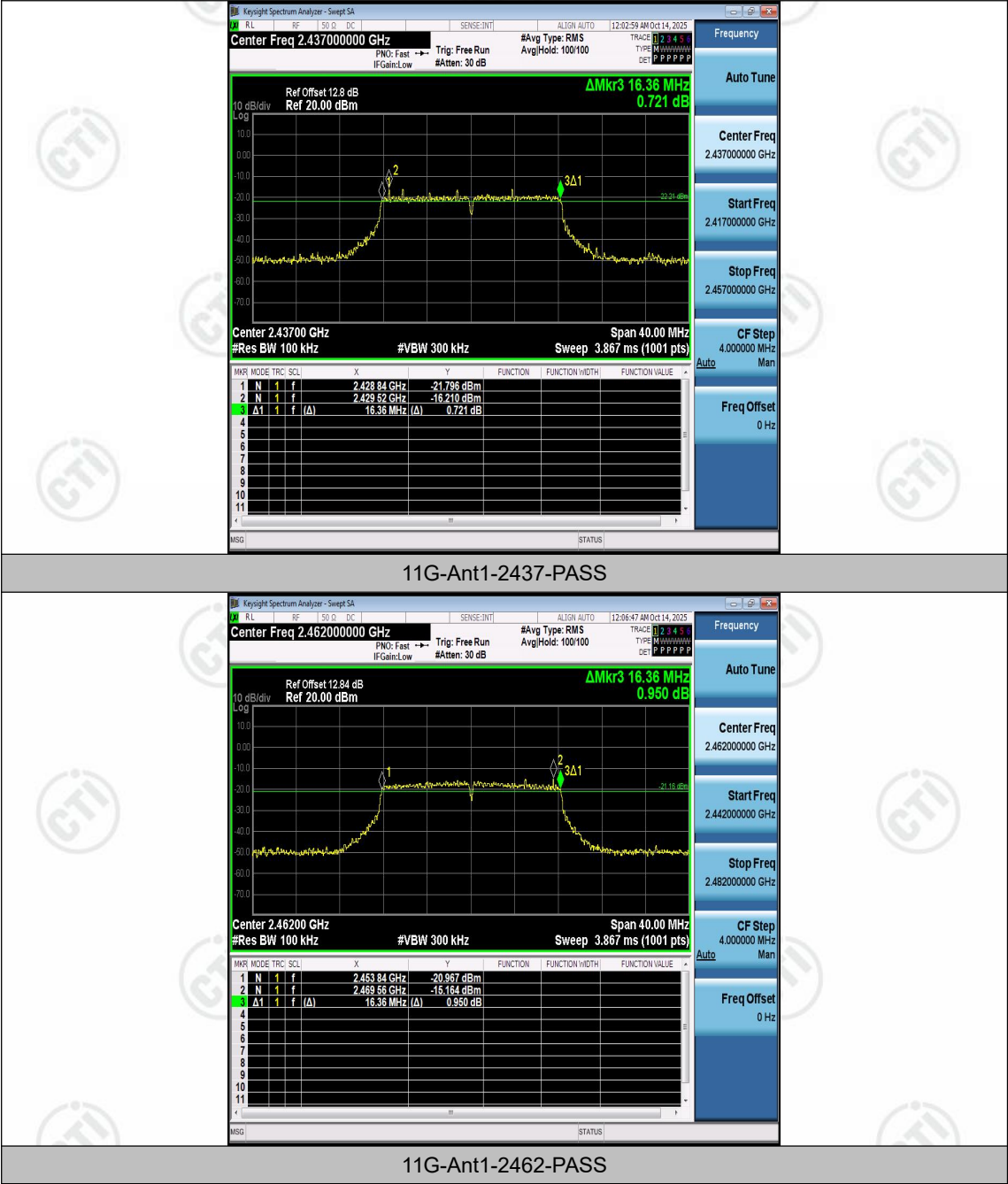
Test Result

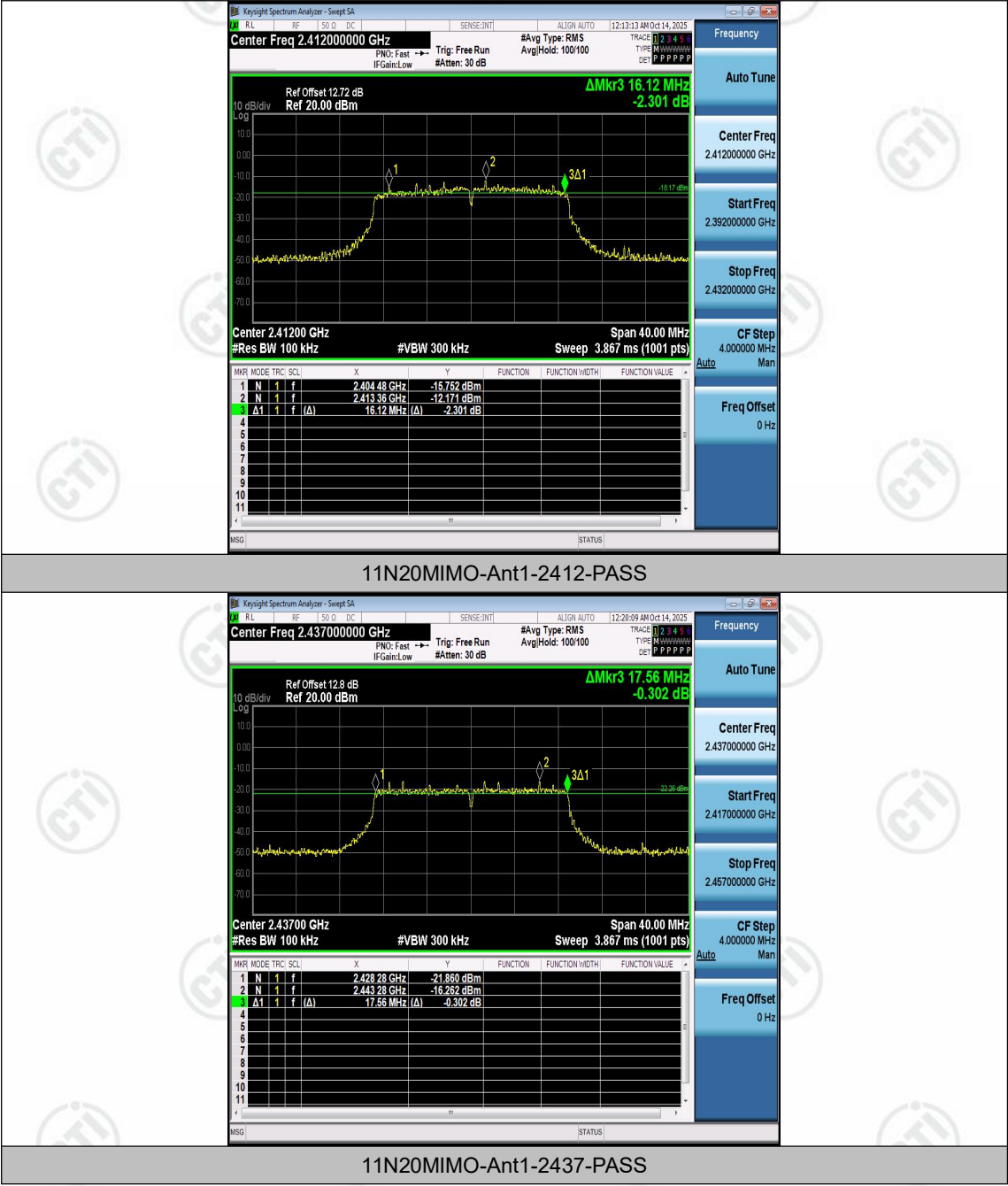
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.080	2408.520	2415.600	0.5	PASS
11B	Ant1	2437	8.080	2433.000	2441.080	0.5	PASS
11B	Ant1	2462	8.040	2458.000	2466.040	0.5	PASS
11G	Ant1	2412	15.920	2404.280	2420.200	0.5	PASS
11G	Ant1	2437	16.360	2428.840	2445.200	0.5	PASS
11G	Ant1	2462	16.360	2453.840	2470.200	0.5	PASS
11N20MIMO	Ant1	2412	16.120	2404.480	2420.600	0.5	PASS
11N20MIMO	Ant1	2437	17.560	2428.280	2445.840	0.5	PASS
11N20MIMO	Ant1	2462	17.160	2453.280	2470.440	0.5	PASS
11N40MIMO	Ant1	2422	34.960	2404.560	2439.520	0.5	PASS
11N40MIMO	Ant1	2437	36.240	2418.920	2455.160	0.5	PASS
11N40MIMO	Ant1	2452	32.800	2436.960	2469.760	0.5	PASS

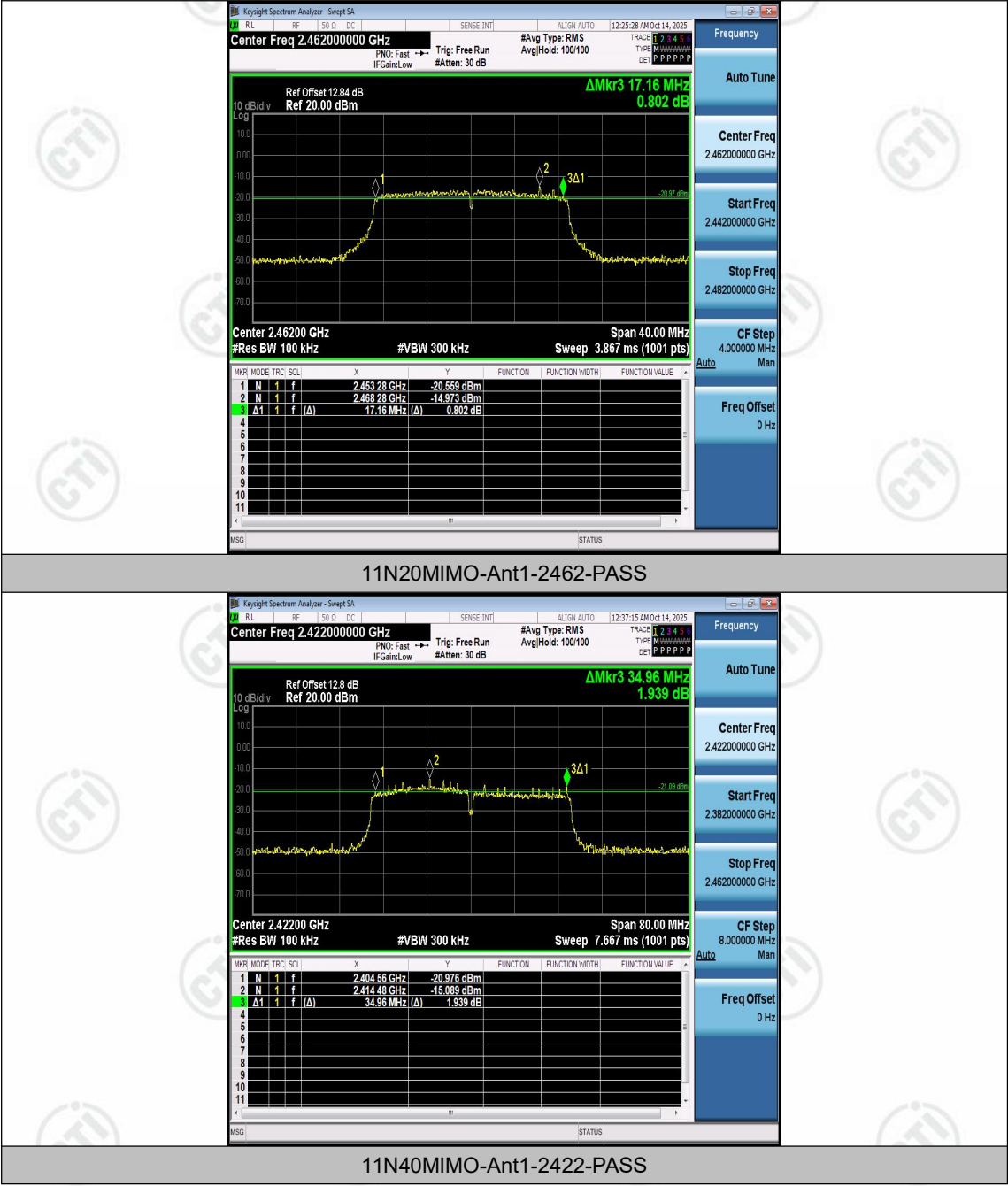
Test Graphs

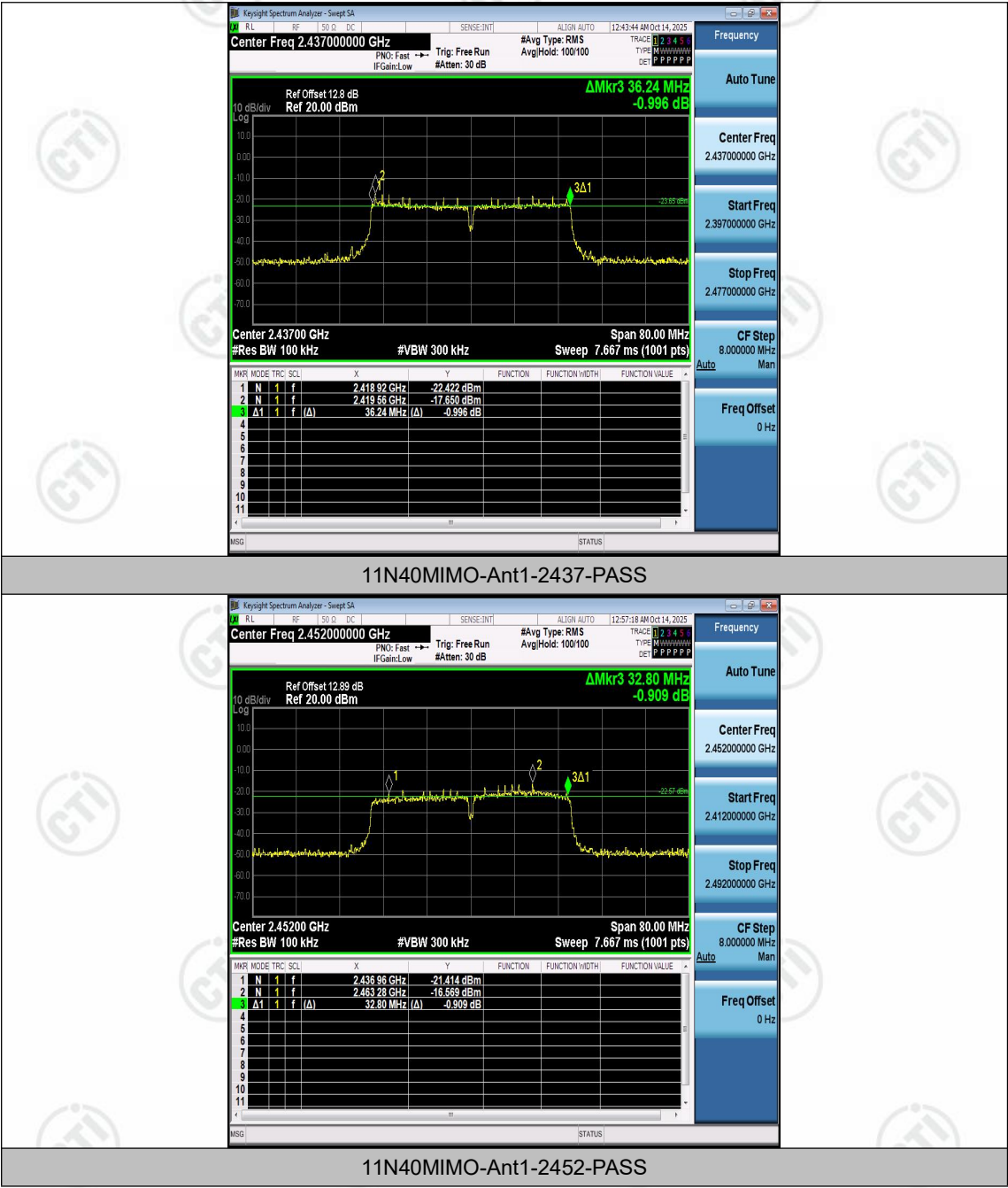












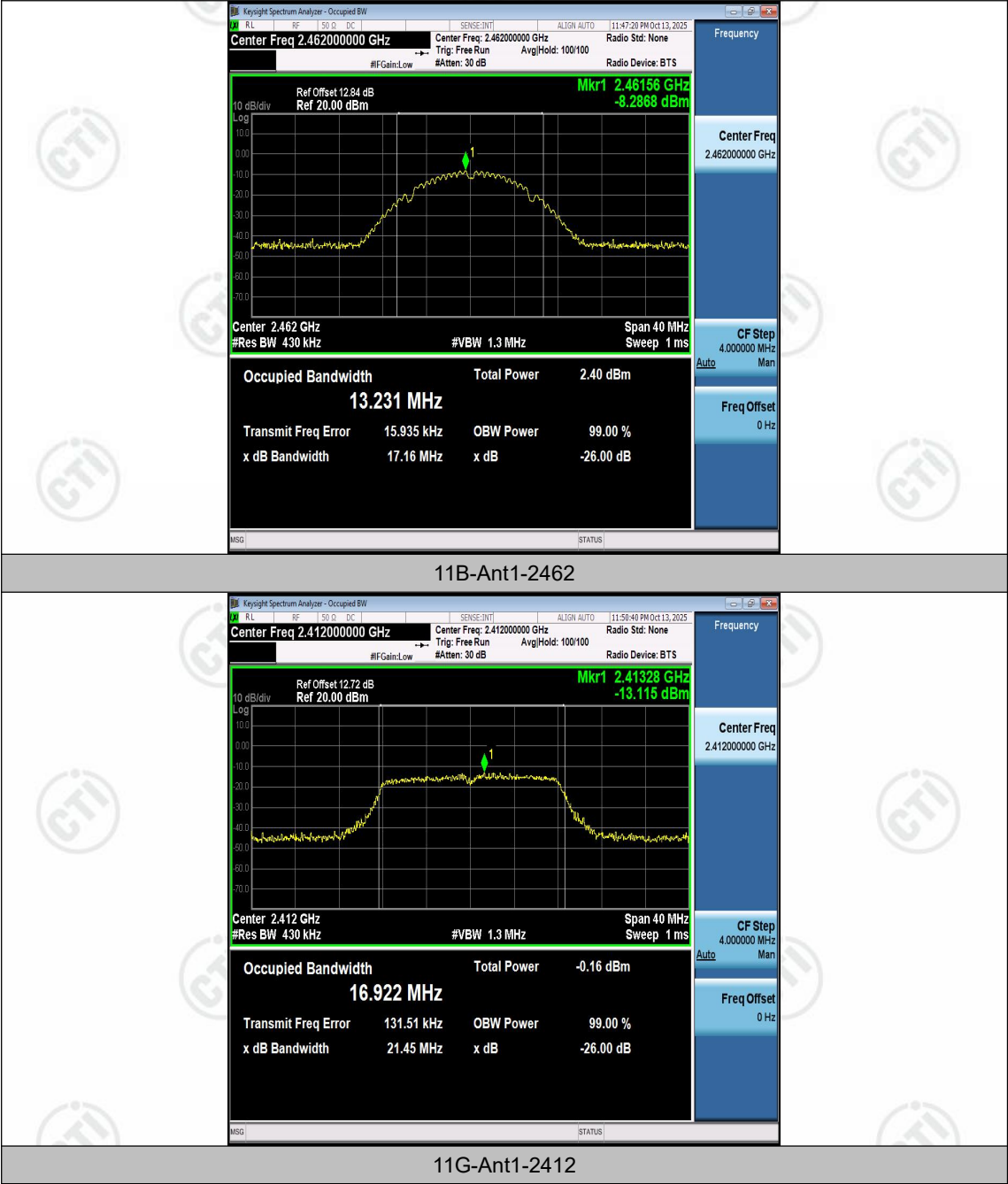
Appendix B: Occupied Channel Bandwidth

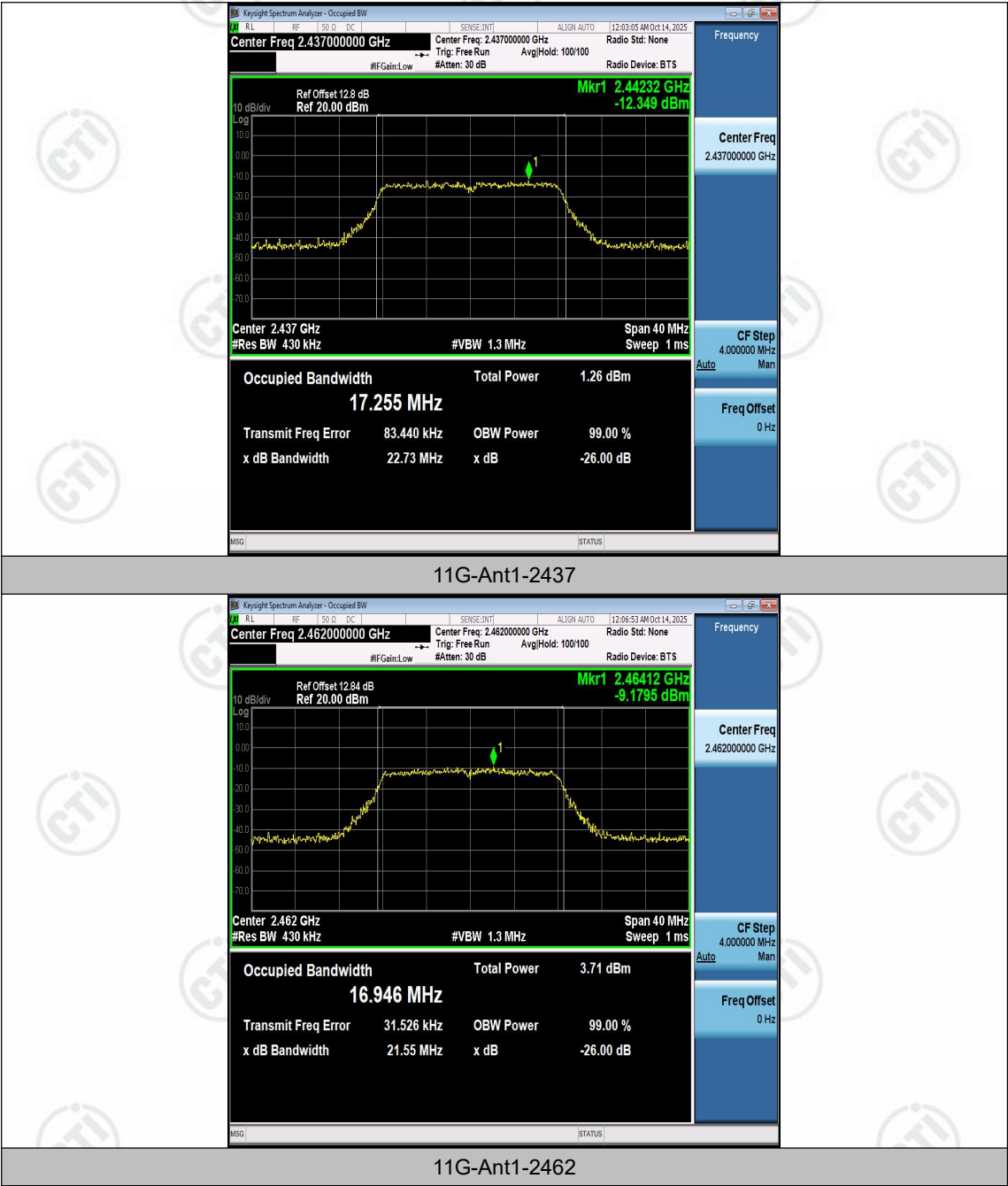
Test Result

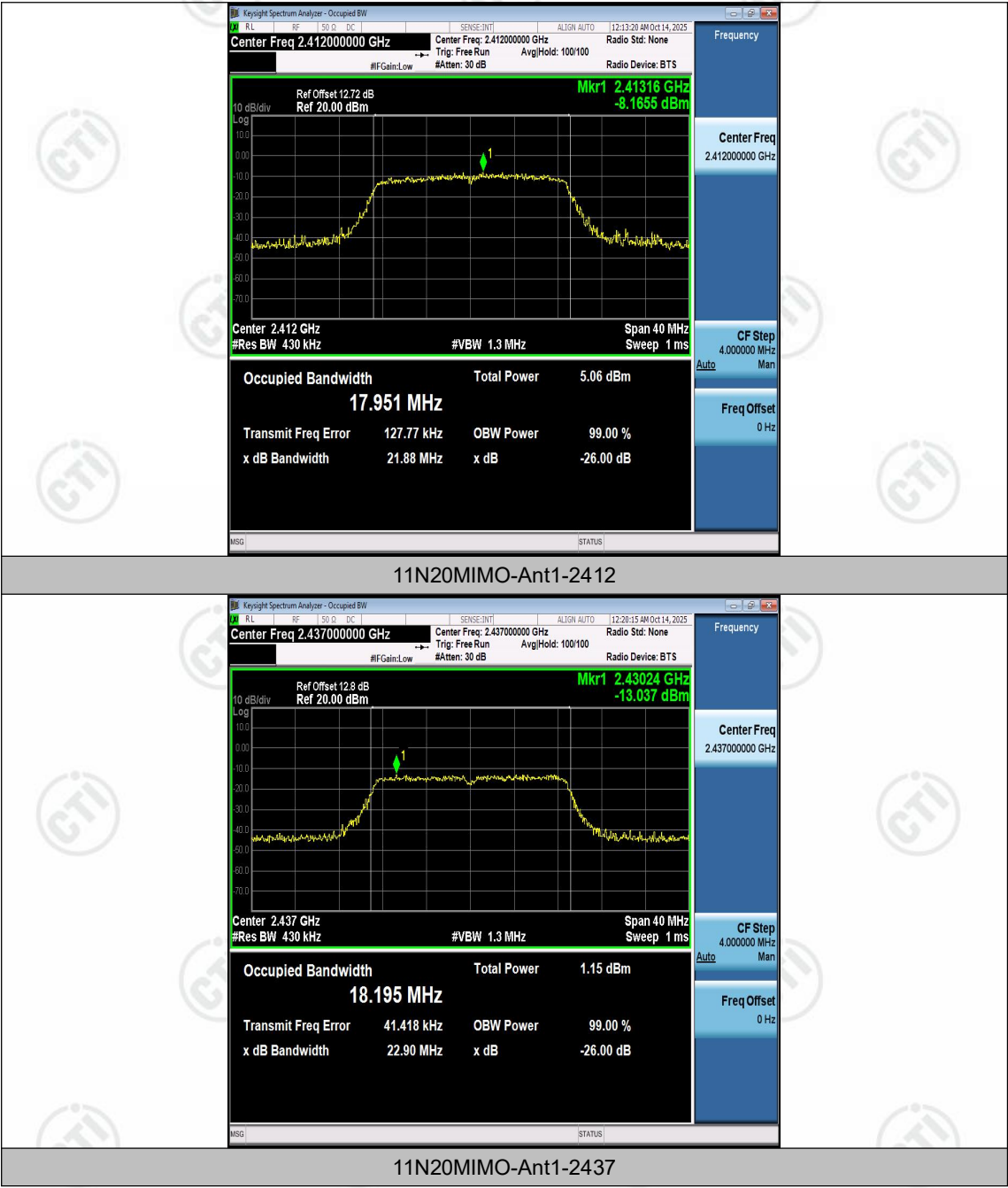
TestMode	Antenn a	Channel Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	13.186	2405.5611	2418.7471	---	---
11B	Ant1	2437	14.042	2430.0735	2444.1155	---	---
11B	Ant1	2462	13.231	2455.4004	2468.6314	---	---
11G	Ant1	2412	16.922	2403.6705	2420.5925	---	---
11G	Ant1	2437	17.255	2428.4559	2445.7109	---	---
11G	Ant1	2462	16.946	2453.5585	2470.5045	---	---
11N20MIMO	Ant1	2412	17.951	2403.1523	2421.1033	---	---
11N20MIMO	Ant1	2437	18.195	2427.9439	2446.1389	---	---
11N20MIMO	Ant1	2462	17.769	2453.1279	2470.8969	---	---
11N40MIMO	Ant1	2422	36.289	2403.8908	2440.1798	---	---
11N40MIMO	Ant1	2437	37.203	2418.4879	2455.6909	---	---
11N40MIMO	Ant1	2452	36.262	2433.9647	2470.2267	---	---

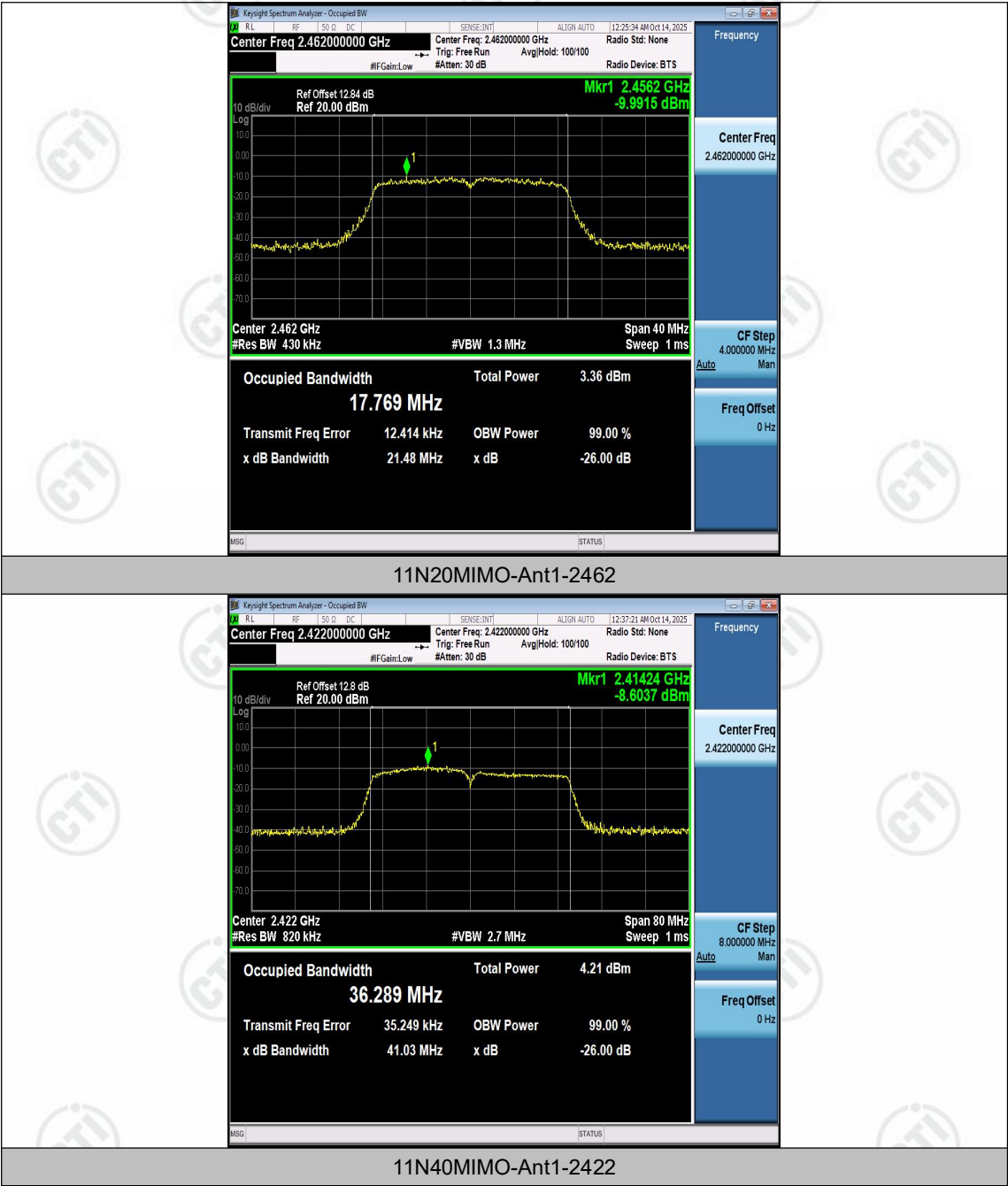
Test Graphs

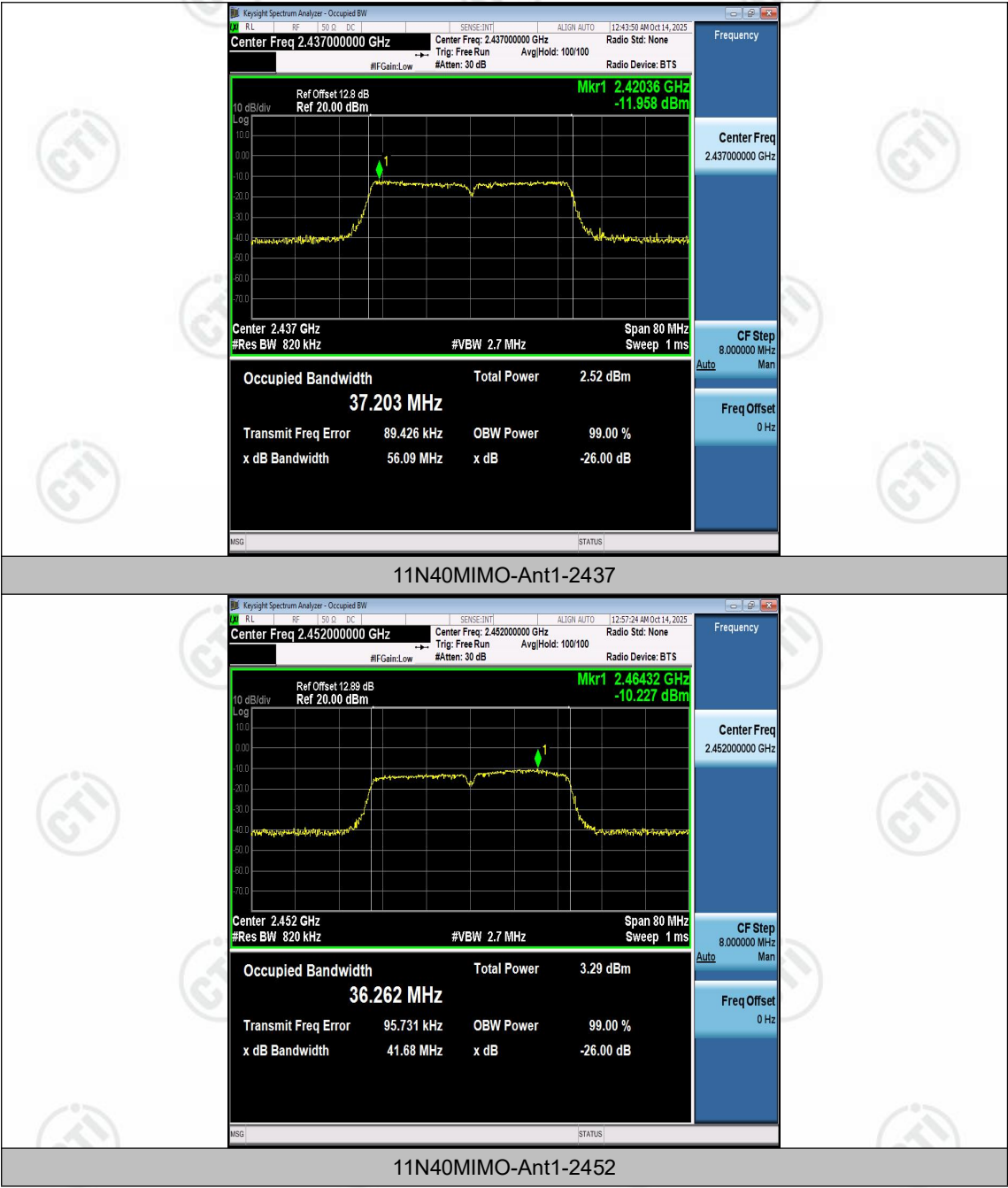












Appendix C: Maximum conducted output power

Test Result Peak

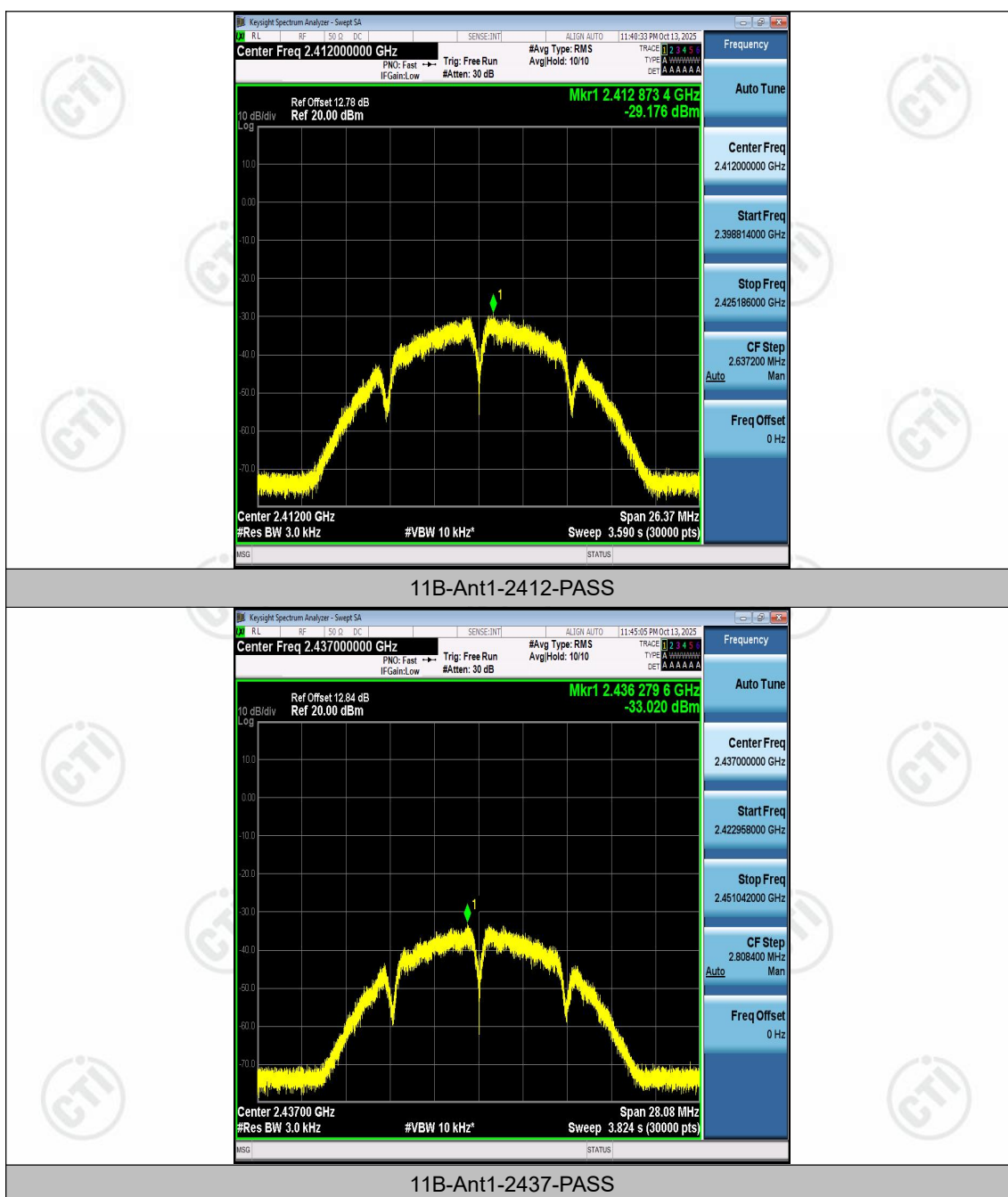
TestMode	Antenna	Frequency[MHz]	Set Power	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	---	14.67	≤30.00	PASS
11B	Ant1	2437	---	15.05	≤30.00	PASS
11B	Ant1	2462	---	14.50	≤30.00	PASS
11G	Ant1	2412	---	14.32	≤30.00	PASS
11G	Ant1	2437	---	14.31	≤30.00	PASS
11G	Ant1	2462	---	13.61	≤30.00	PASS
11N20MIMO	Ant1	2412	---	14.16	≤30.00	PASS
11N20MIMO	Ant1	2437	---	14.02	≤30.00	PASS
11N20MIMO	Ant1	2462	---	13.54	≤30.00	PASS
11N40MIMO	Ant1	2422	---	14.86	≤30.00	PASS
11N40MIMO	Ant1	2437	---	14.20	≤30.00	PASS
11N40MIMO	Ant1	2452	---	13.90	≤30.00	PASS

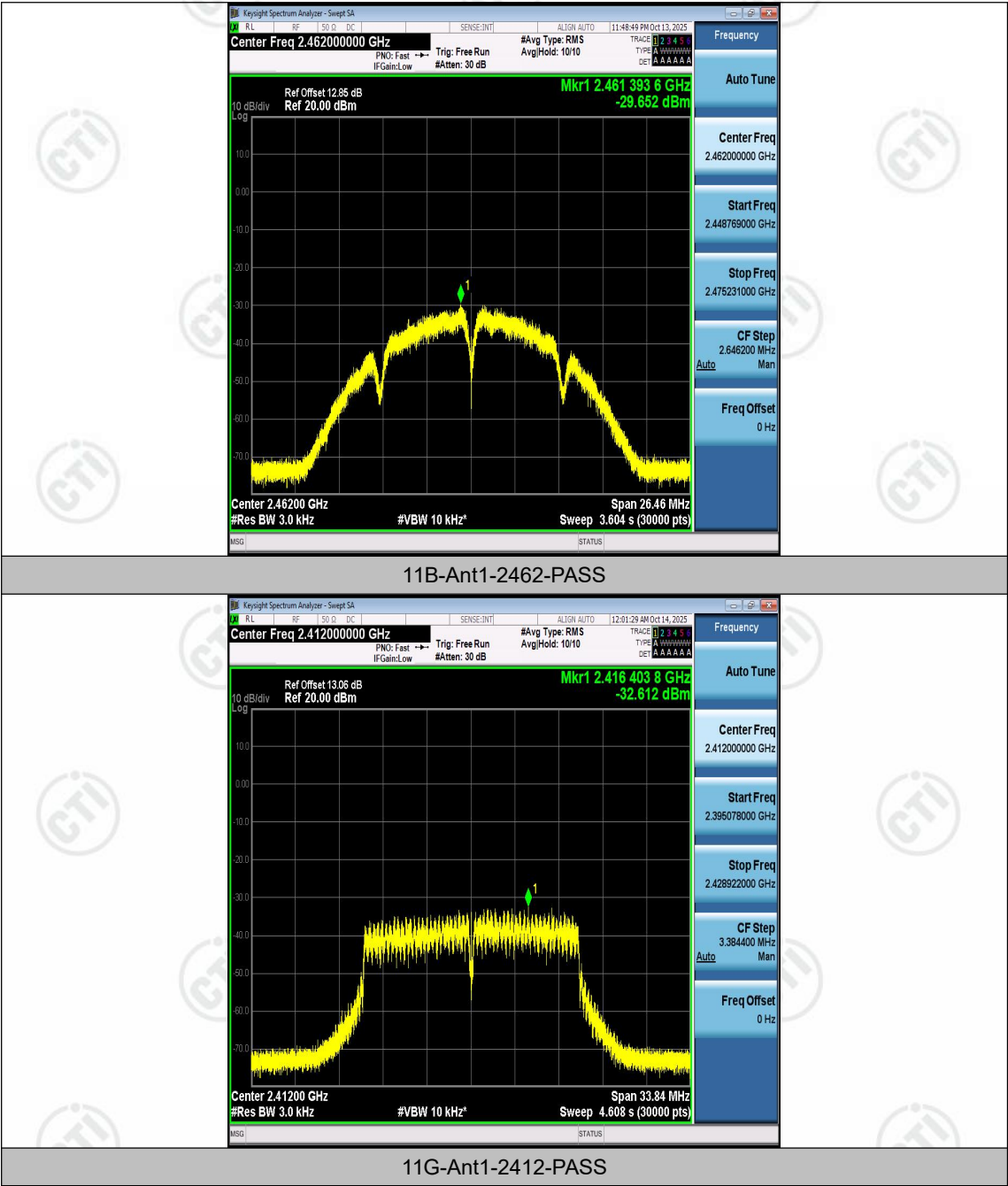
Appendix D: Maximum power spectral density

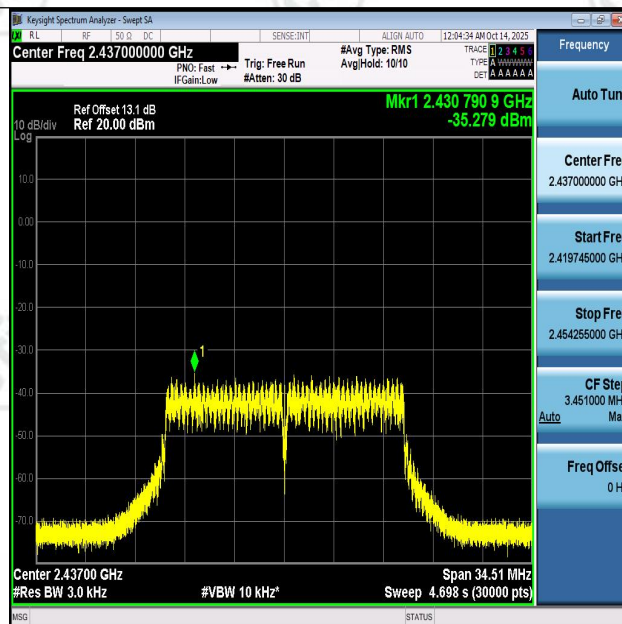
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-29.18	≤8.00	PASS
11B	Ant1	2437	-33.02	≤8.00	PASS
11B	Ant1	2462	-29.65	≤8.00	PASS
11G	Ant1	2412	-32.61	≤8.00	PASS
11G	Ant1	2437	-35.28	≤8.00	PASS
11G	Ant1	2462	-32.75	≤8.00	PASS
11N20MIMO	Ant1	2412	-32.61	≤8.00	PASS
11N20MIMO	Ant1	2437	-34.84	≤8.00	PASS
11N20MIMO	Ant1	2462	-32.71	≤8.00	PASS
11N40MIMO	Ant1	2422	-33.12	≤8.00	PASS
11N40MIMO	Ant1	2437	-37.45	≤8.00	PASS
11N40MIMO	Ant1	2452	-34.80	≤8.00	PASS

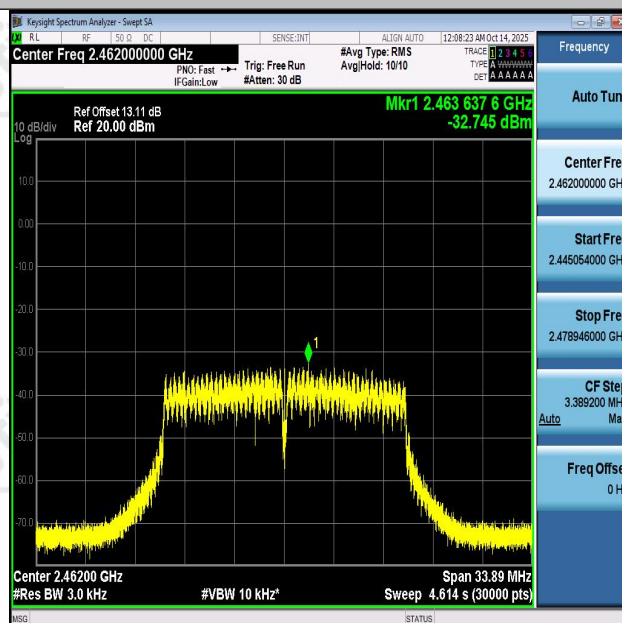
Test Graphs



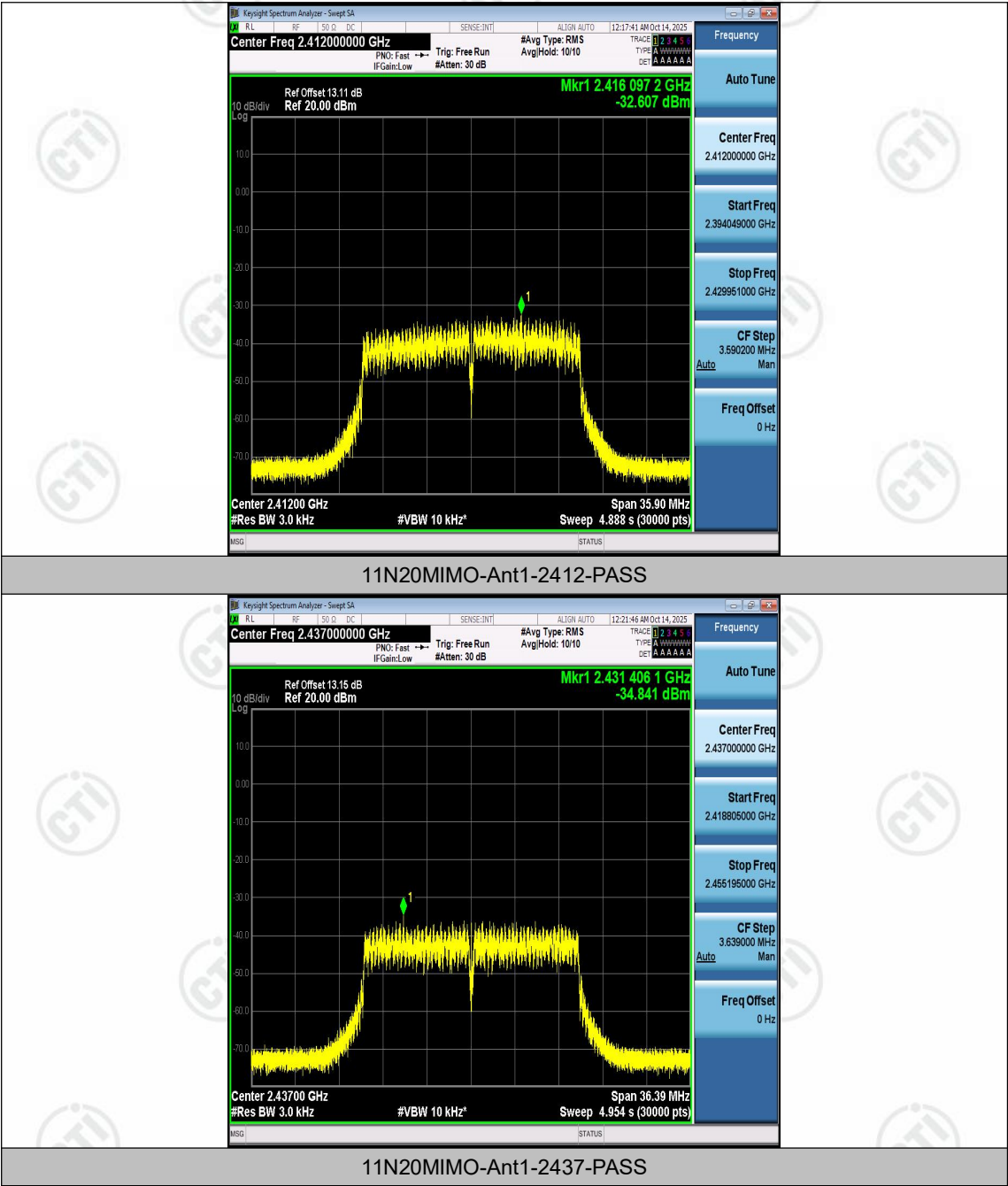


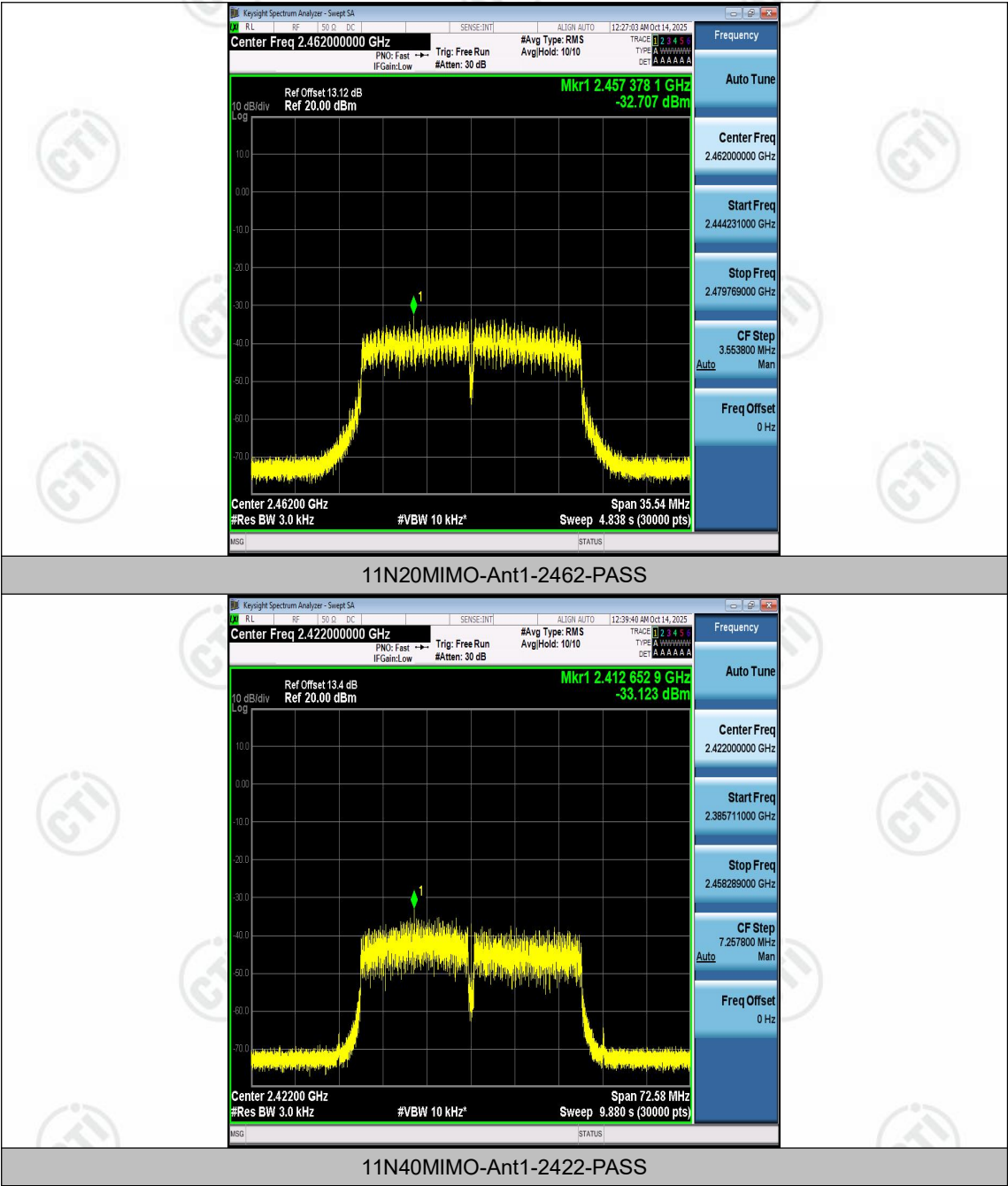


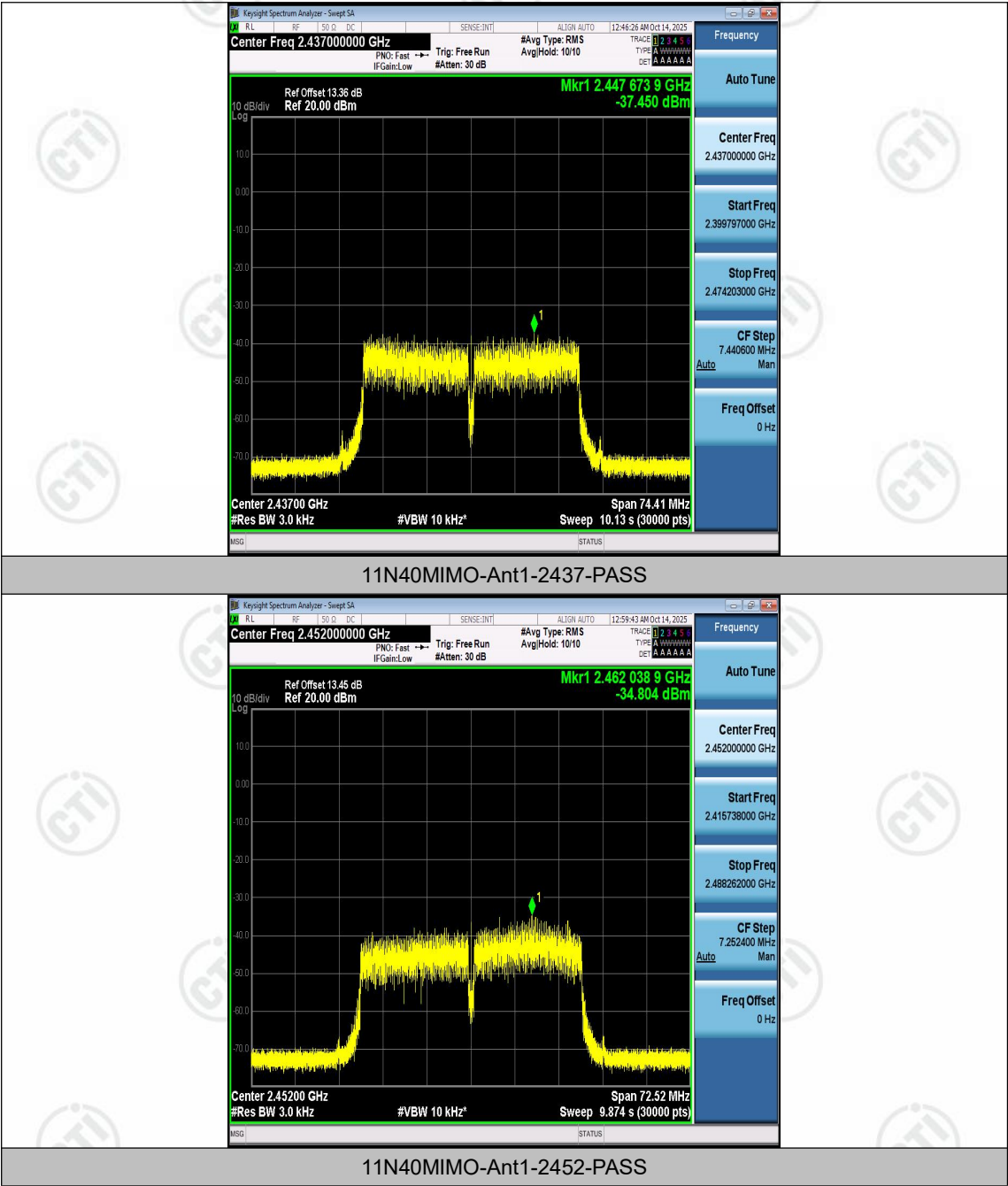
11G-Ant1-2437-PASS



11G-Ant1-2462-PASS







Appendix F: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-8.74	-46.65	≤-28.74	PASS
11B	Ant1	High	2462	-8.87	-46.71	≤-28.87	PASS
11G	Ant1	Low	2412	-12.82	-46.84	≤-32.82	PASS
11G	Ant1	High	2462	-14.19	-46.96	≤-34.19	PASS
11N20MIMO	Ant1	Low	2412	-13.43	-47.14	≤-33.43	PASS
11N20MIMO	Ant1	High	2462	-13.60	-46.41	≤-33.6	PASS
11N40MIMO	Ant1	Low	2422	-15.93	-46.71	≤-35.93	PASS
11N40MIMO	Ant1	High	2452	-17.15	-46.7	≤-37.15	PASS

Test Graphs

