

Appendix: 2.4G Wi-Fi

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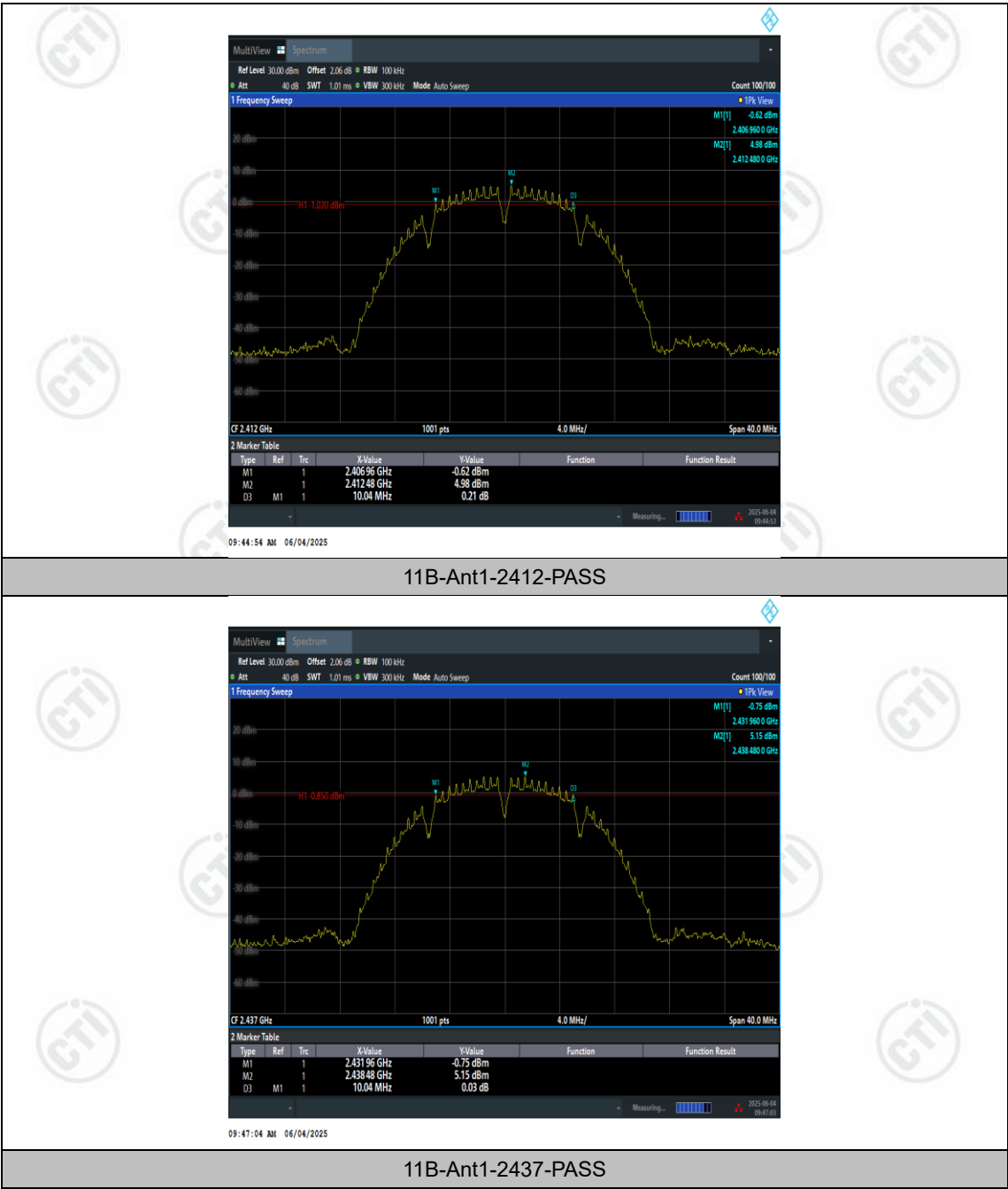
 Test Result 50

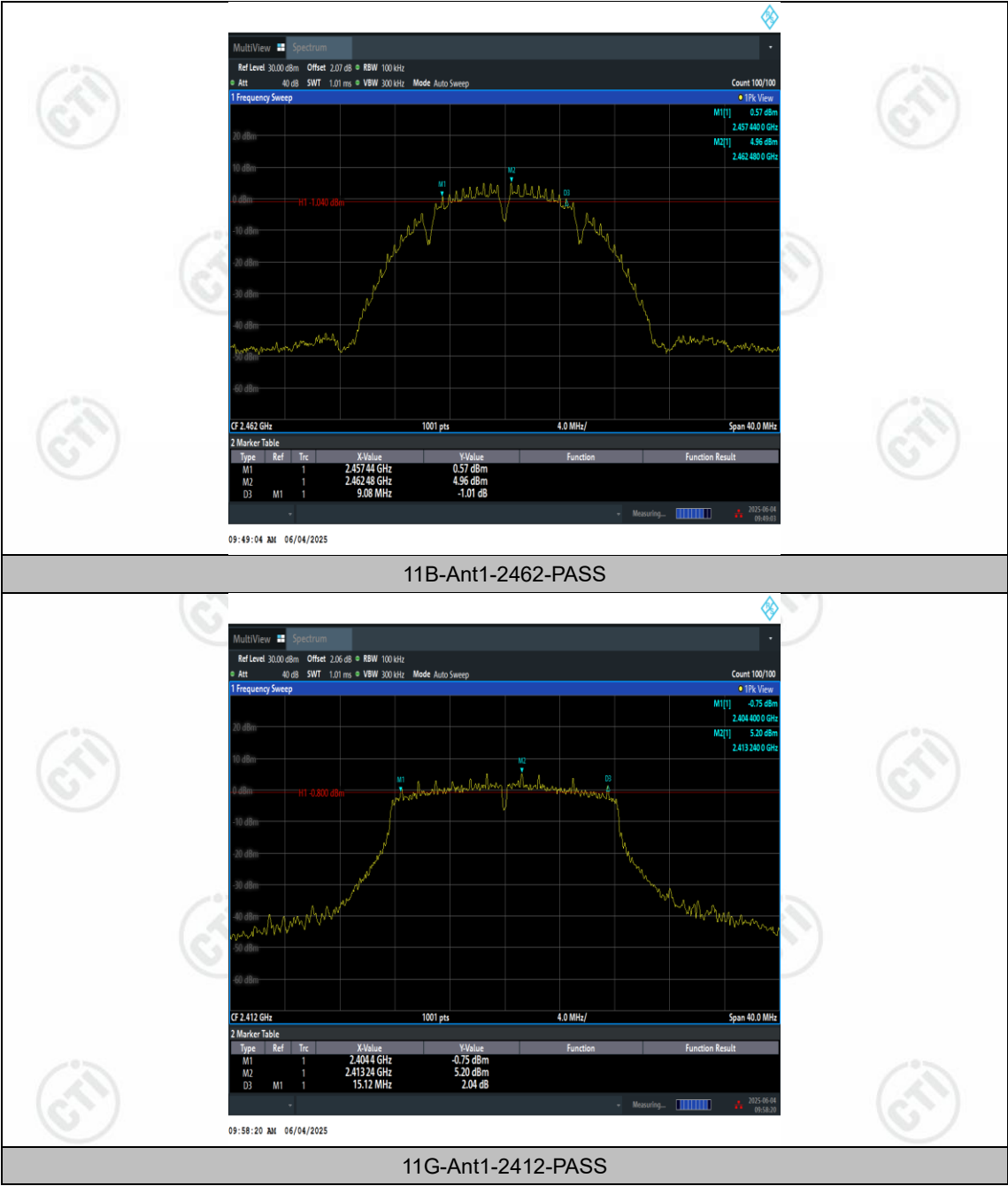
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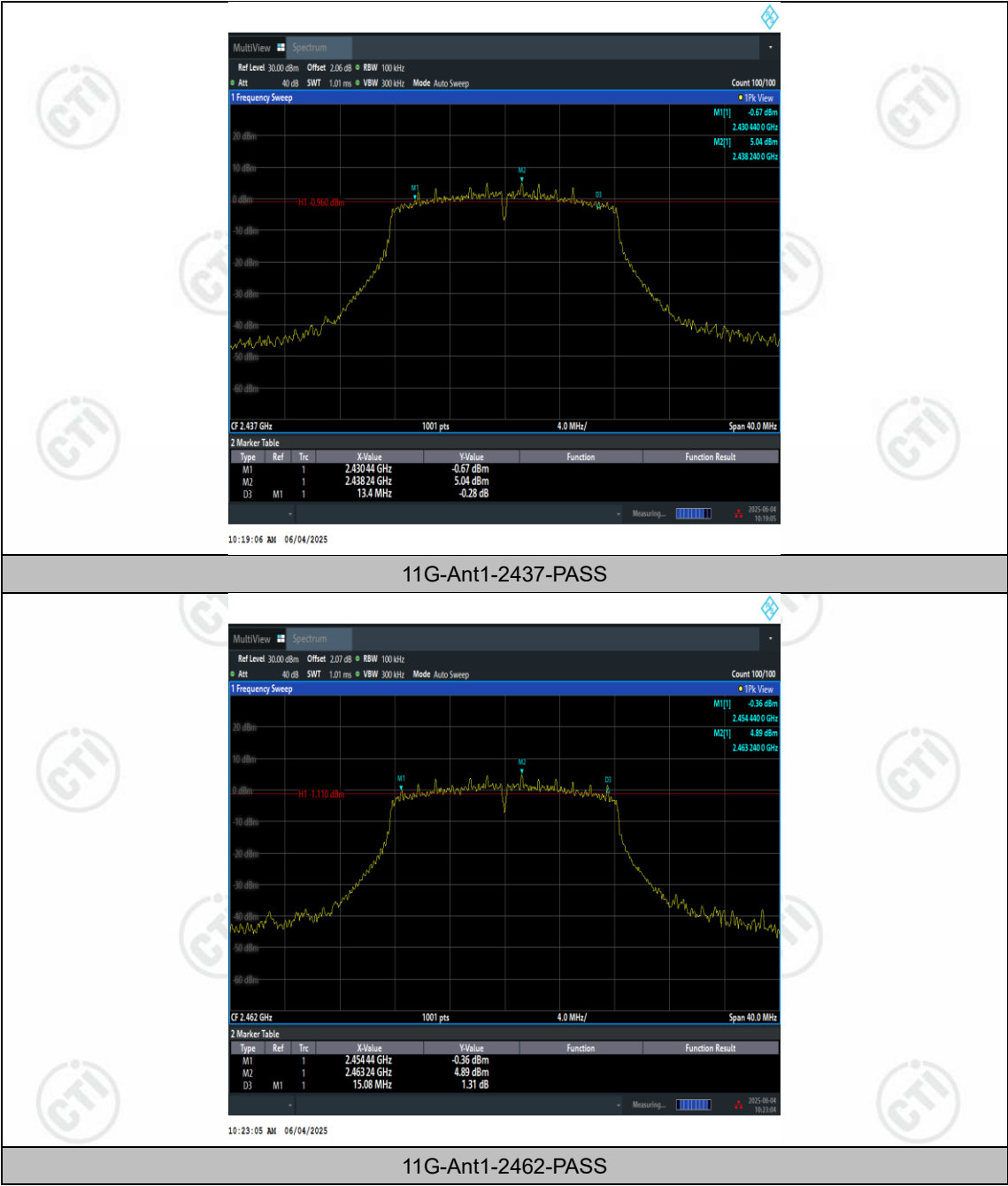
Appendix A: DTS Bandwidth**Test Result**

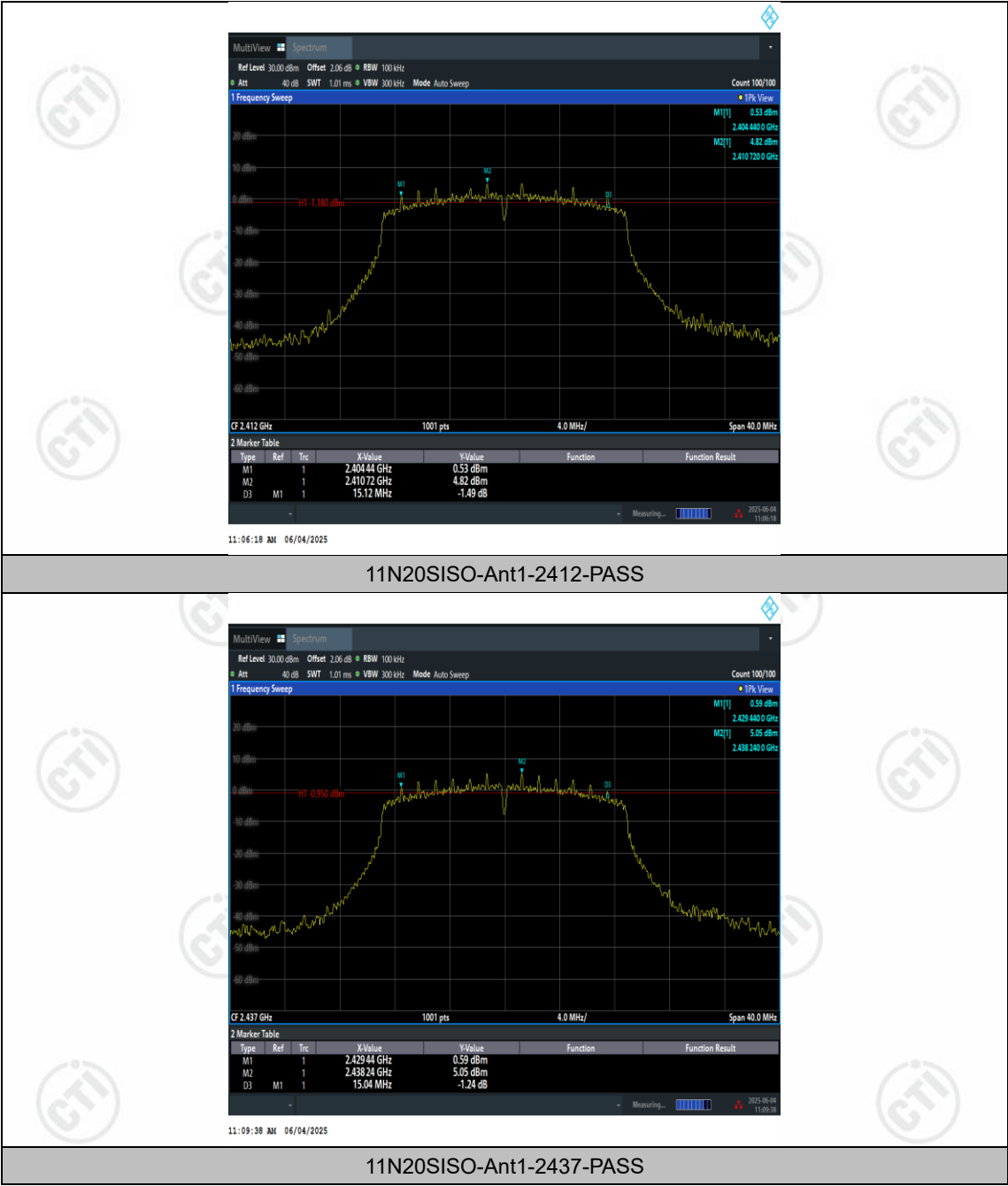
TestMode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.04	2406.96	2417.00	0.5	PASS
11B	Ant1	2437	10.04	2431.96	2442.00	0.5	PASS
11B	Ant1	2462	9.08	2457.44	2466.52	0.5	PASS
11G	Ant1	2412	15.12	2404.40	2419.52	0.5	PASS
11G	Ant1	2437	13.40	2430.44	2443.84	0.5	PASS
11G	Ant1	2462	15.08	2454.44	2469.52	0.5	PASS
11N20SISO	Ant1	2412	15.12	2404.44	2419.56	0.5	PASS
11N20SISO	Ant1	2437	15.04	2429.44	2444.48	0.5	PASS
11N20SISO	Ant1	2462	15.08	2454.44	2469.52	0.5	PASS
11N40SISO	Ant1	2422	33.76	2405.76	2439.52	0.5	PASS
11N40SISO	Ant1	2437	32.64	2420.68	2453.32	0.5	PASS
11N40SISO	Ant1	2452	31.36	2435.68	2467.04	0.5	PASS

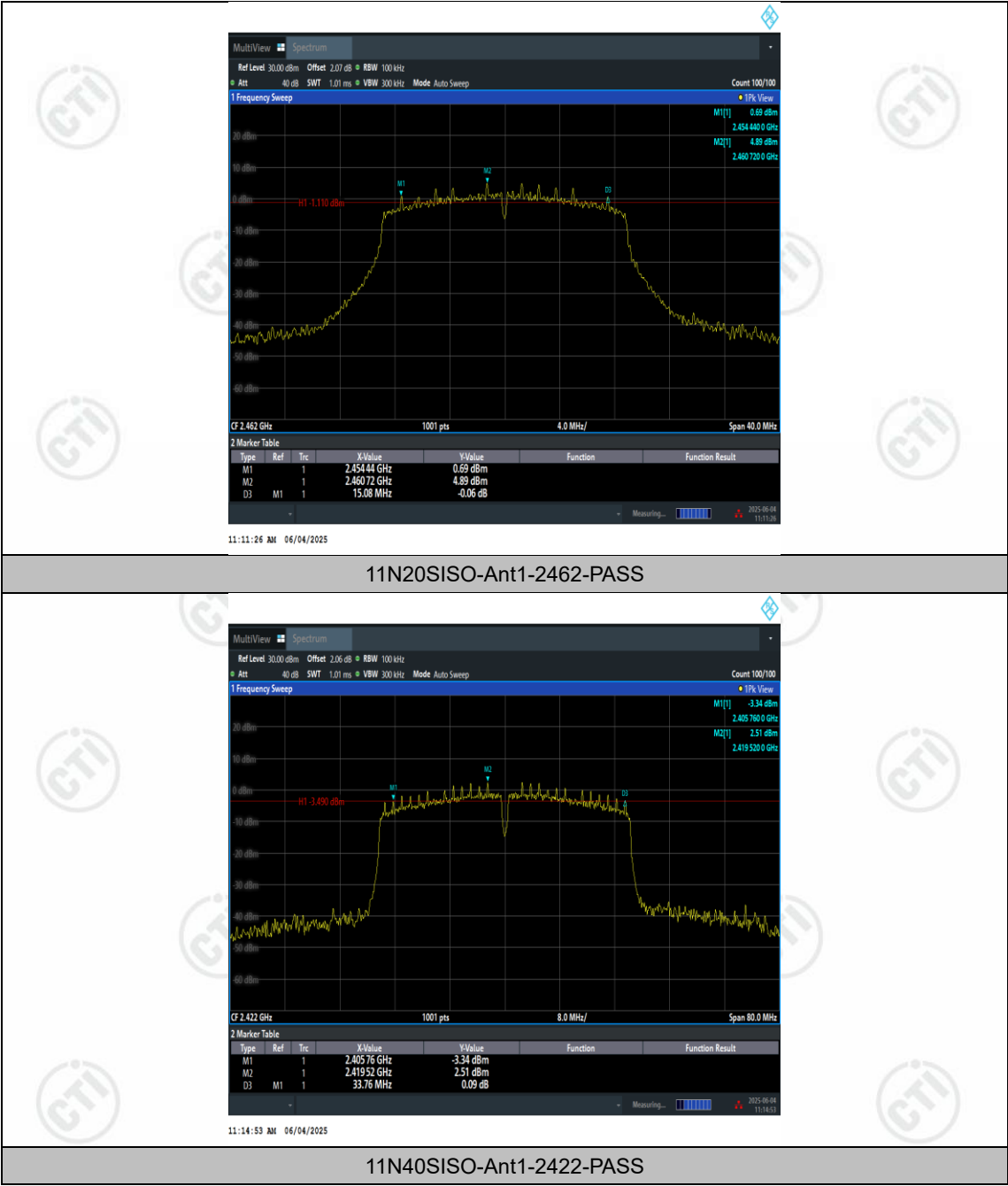
Test Graphs













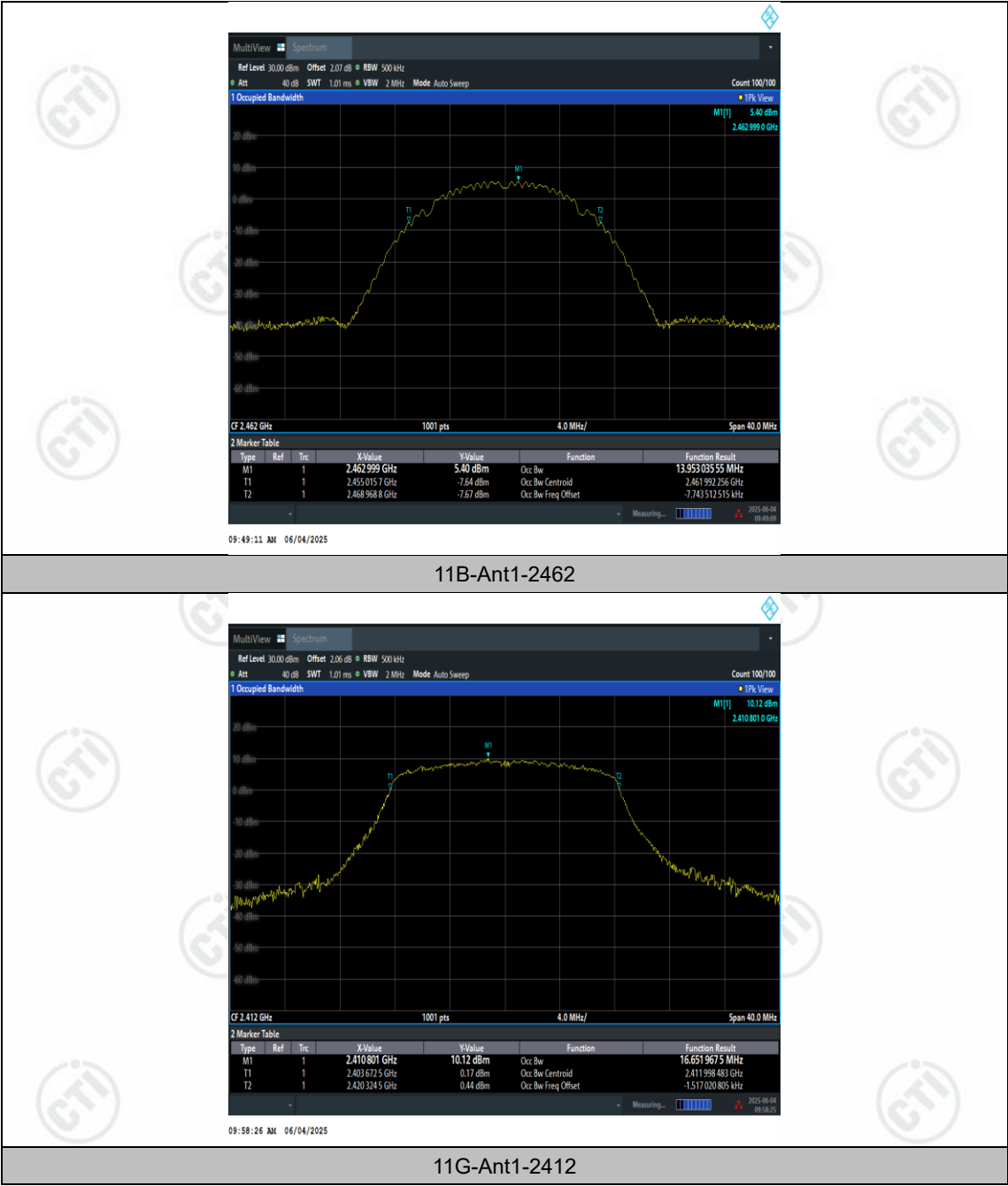
Appendix B: Occupied Channel Bandwidth

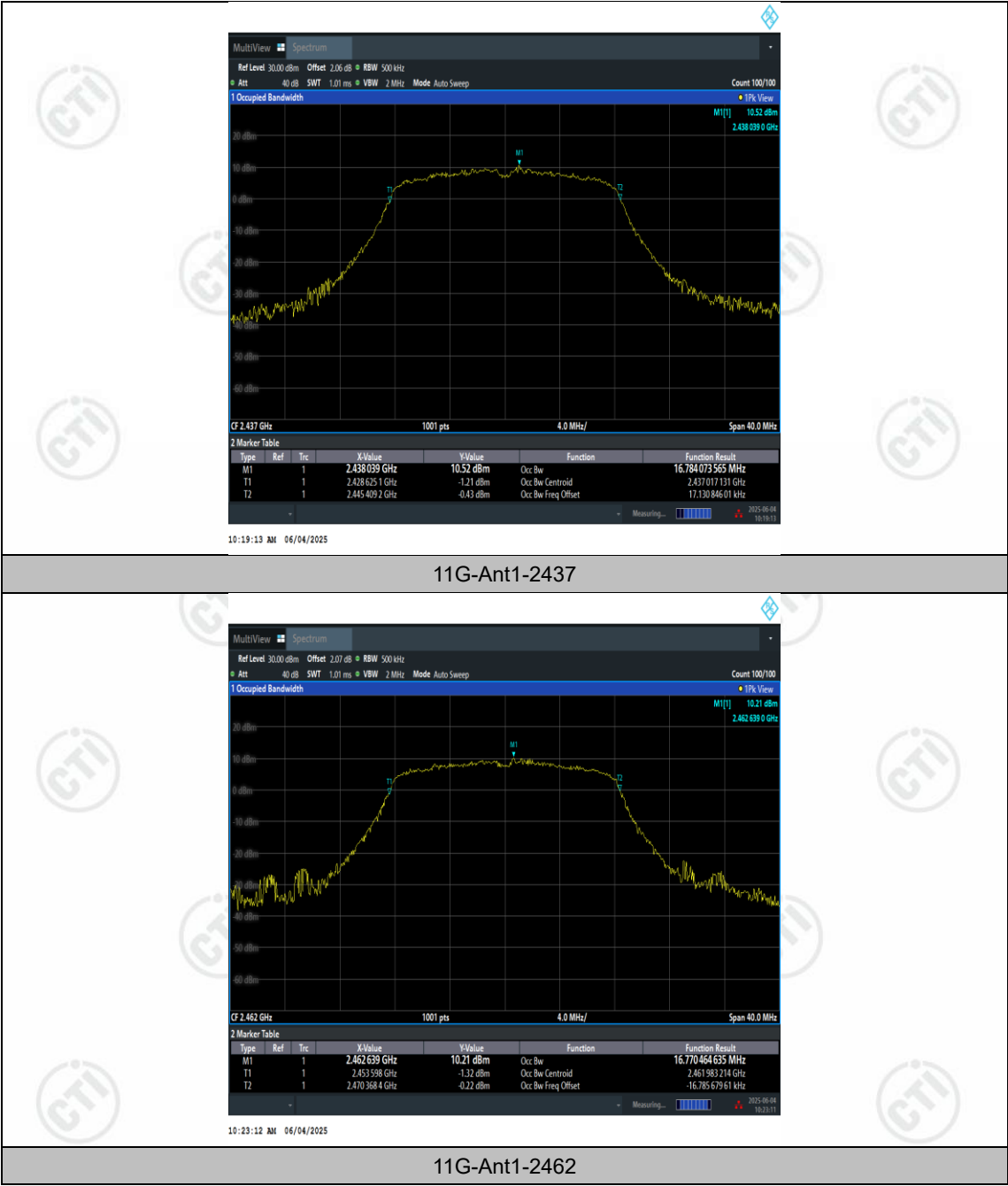
Test Result

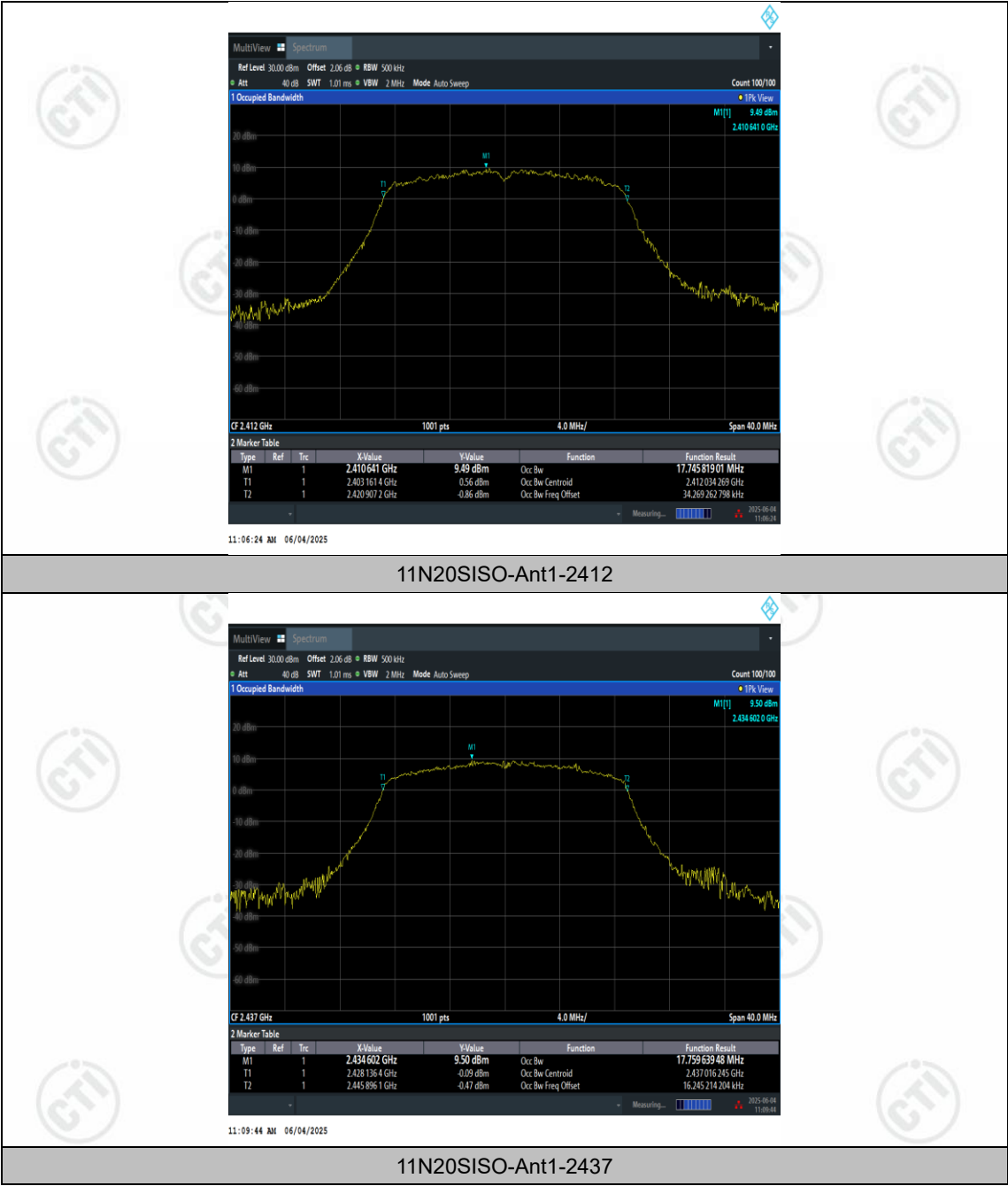
TestMode	Antenna	Channel Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	13.964	2405.0410	2419.0051	---	---
11B	Ant1	2437	13.947	2430.0242	2443.9711	---	---
11B	Ant1	2462	13.953	2455.0157	2468.9688	---	---
11G	Ant1	2412	16.652	2403.6725	2420.3245	---	---
11G	Ant1	2437	16.784	2428.6251	2445.4092	---	---
11G	Ant1	2462	16.77	2453.5980	2470.3684	---	---
11N20SISO	Ant1	2412	17.746	2403.1614	2420.9072	---	---
11N20SISO	Ant1	2437	17.76	2428.1364	2445.8961	---	---
11N20SISO	Ant1	2462	17.745	2453.1278	2470.8726	---	---
11N40SISO	Ant1	2422	35.338	2404.3633	2439.7009	---	---
11N40SISO	Ant1	2437	35.327	2419.3375	2454.6645	---	---
11N40SISO	Ant1	2452	35.293	2434.3686	2469.6613	---	---

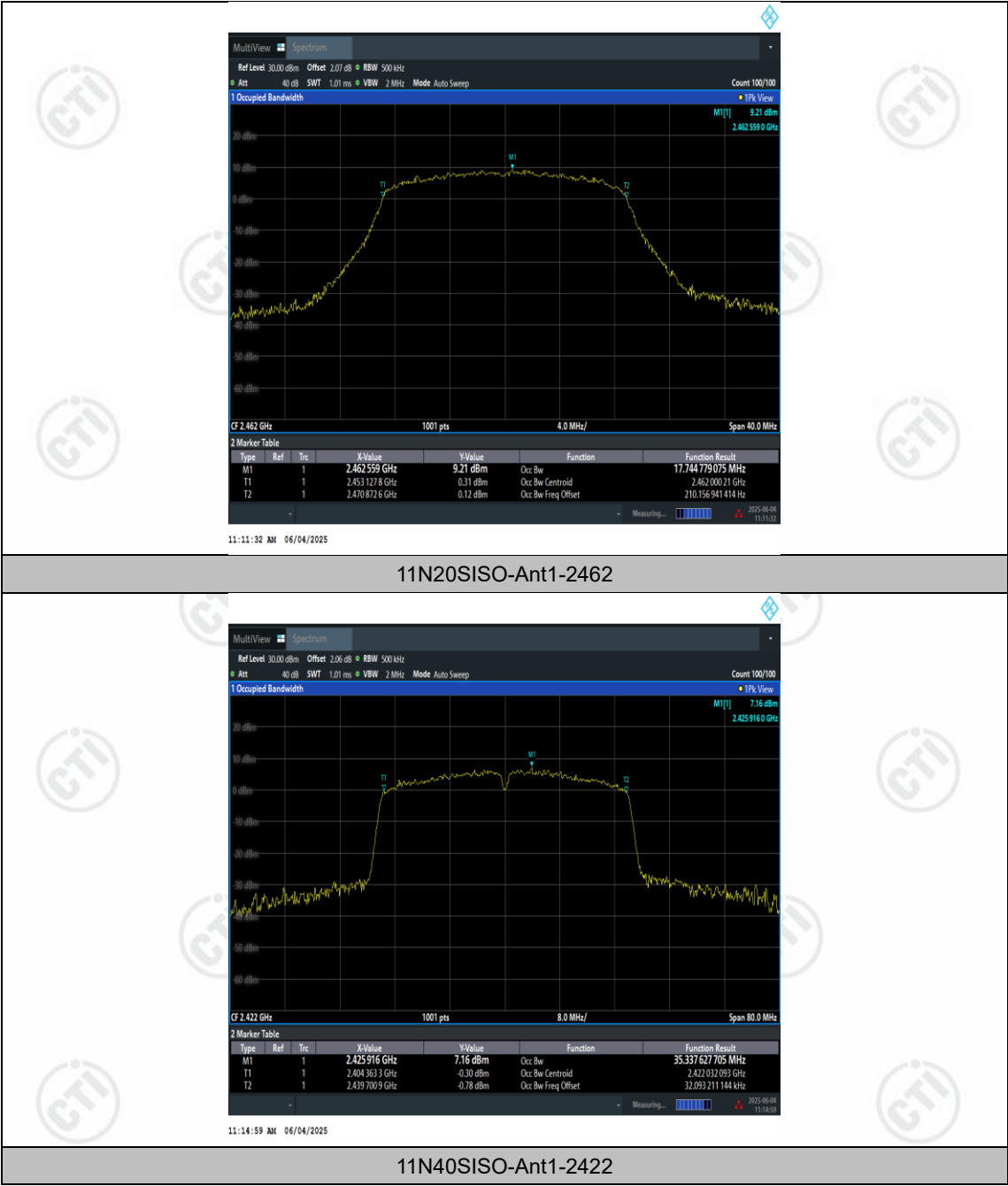
Test Graphs

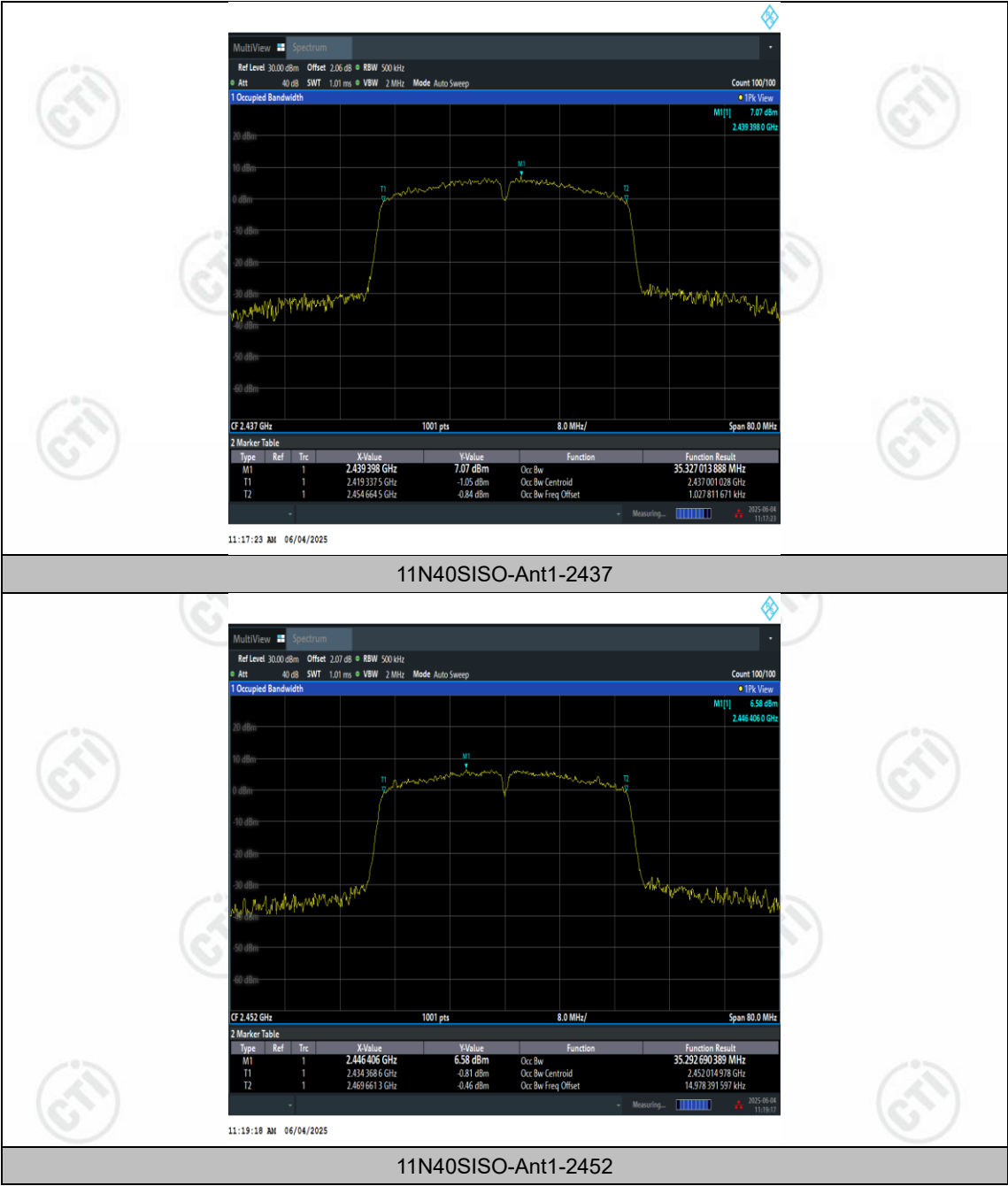












Appendix C: Maximum conducted output power

Test Result

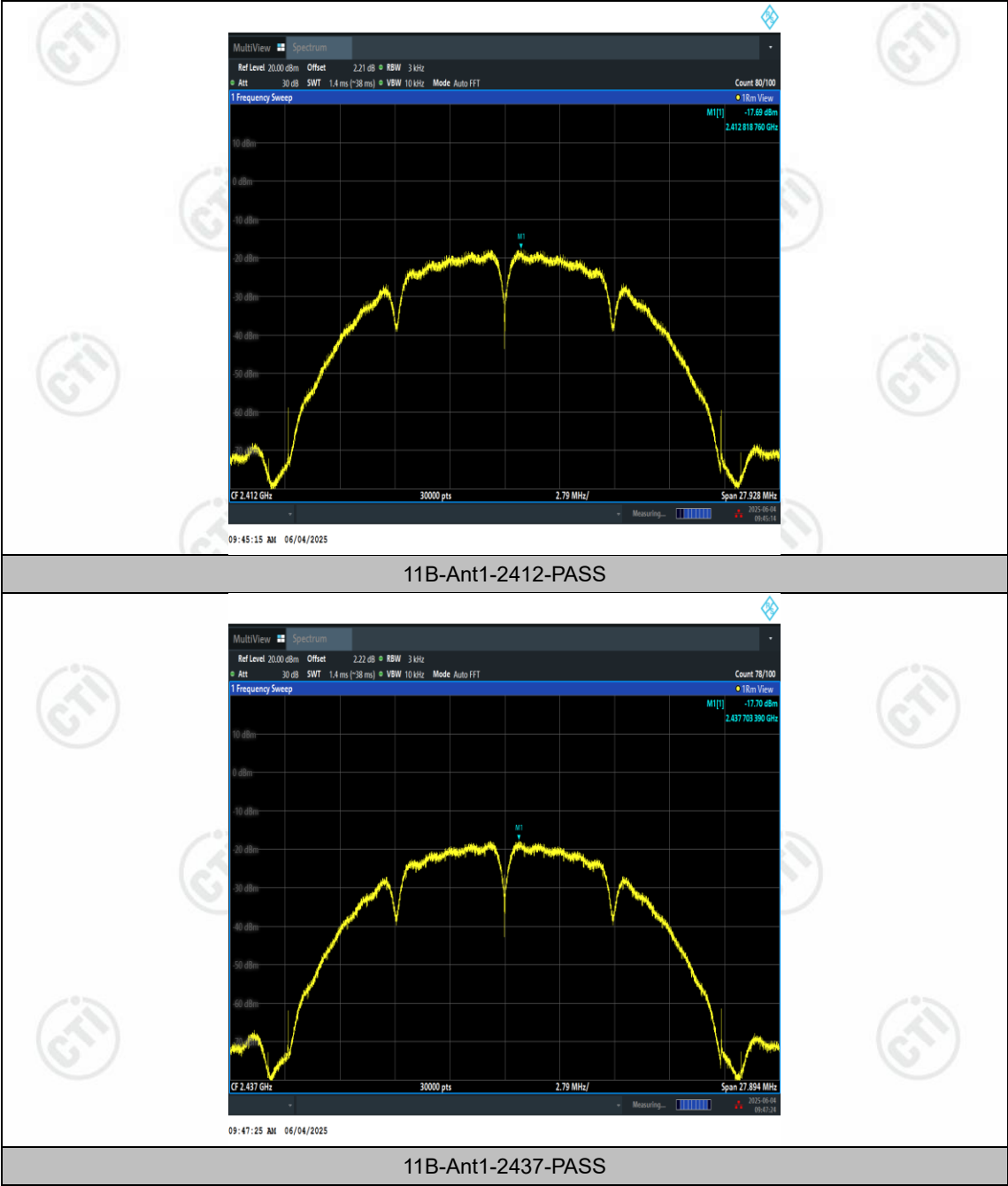
TestMode	Antenna	Frequency [MHz]	Set Power	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	---	14.14	≤30.00	PASS
11B	Ant1	2437	---	13.76	≤30.00	PASS
11B	Ant1	2462	---	13.72	≤30.00	PASS
11G	Ant1	2412	---	15.74	≤30.00	PASS
11G	Ant1	2437	---	15.37	≤30.00	PASS
11G	Ant1	2462	---	15.43	≤30.00	PASS
11N20SISO	Ant1	2412	---	15.29	≤30.00	PASS
11N20SISO	Ant1	2437	---	15.09	≤30.00	PASS
11N20SISO	Ant1	2462	---	15.05	≤30.00	PASS
11N40SISO	Ant1	2422	---	14.57	≤30.00	PASS
11N40SISO	Ant1	2437	---	15.50	≤30.00	PASS
11N40SISO	Ant1	2452	---	15.24	≤30.00	PASS

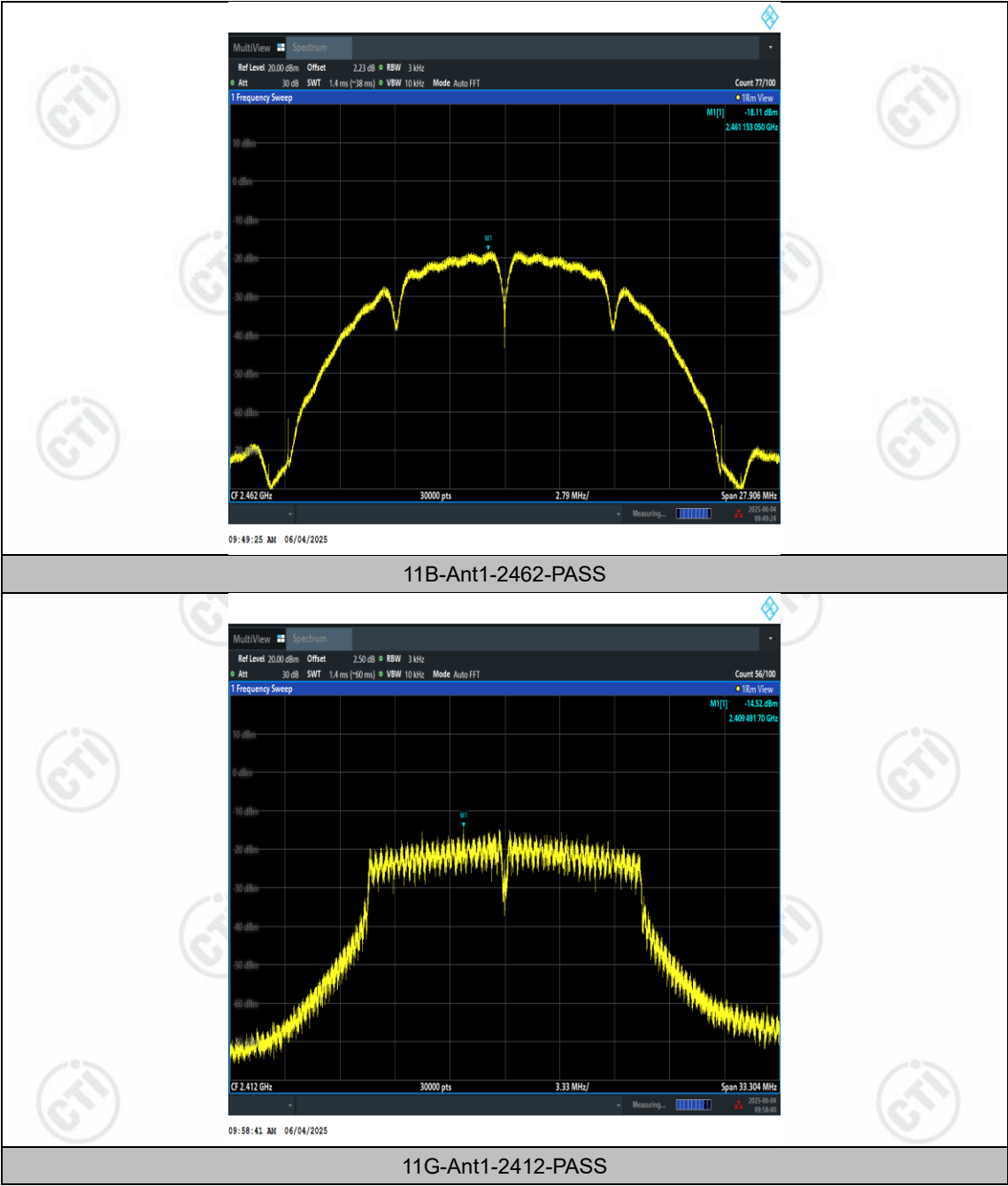
Appendix D: Maximum power spectral density

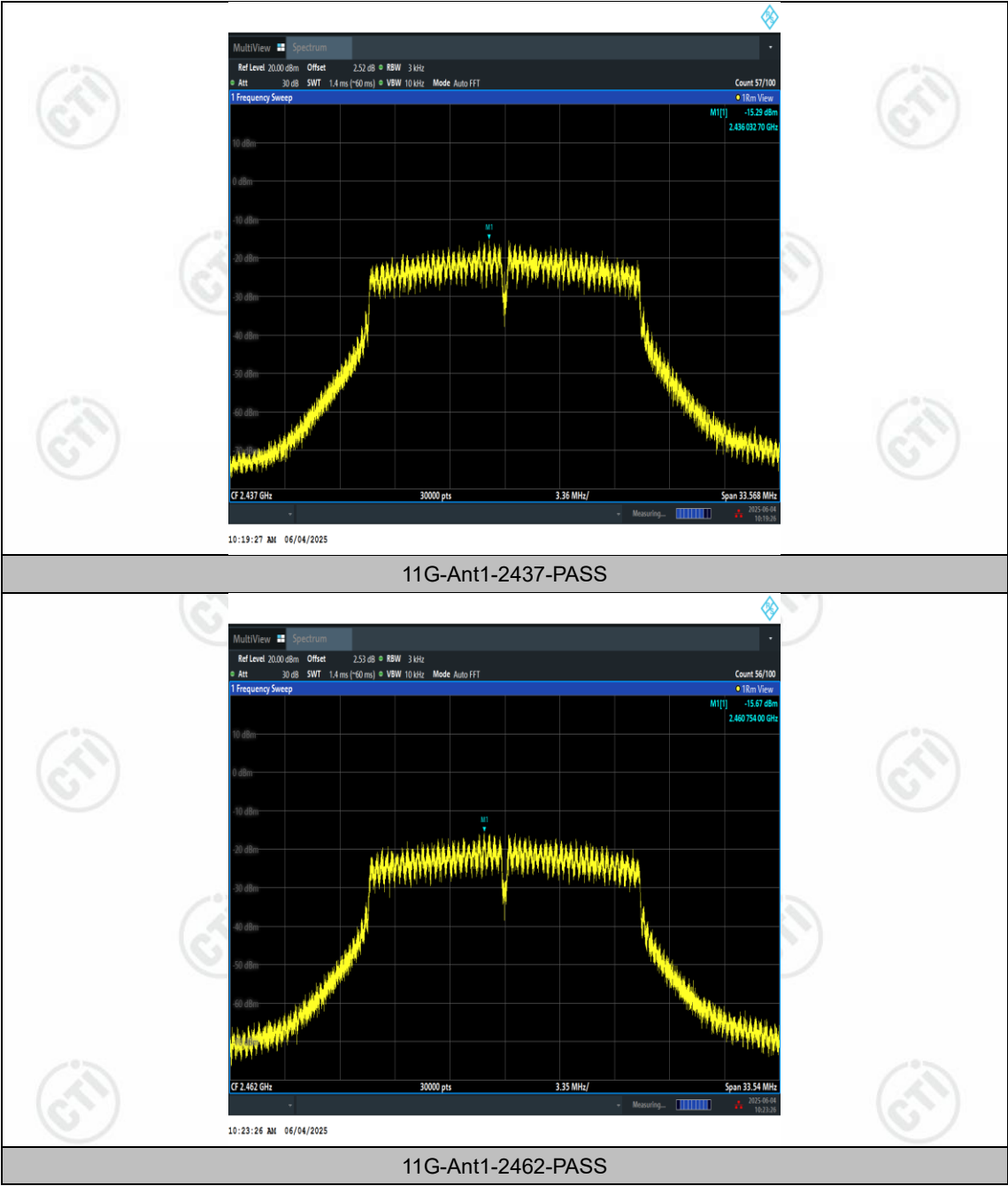
Test Result

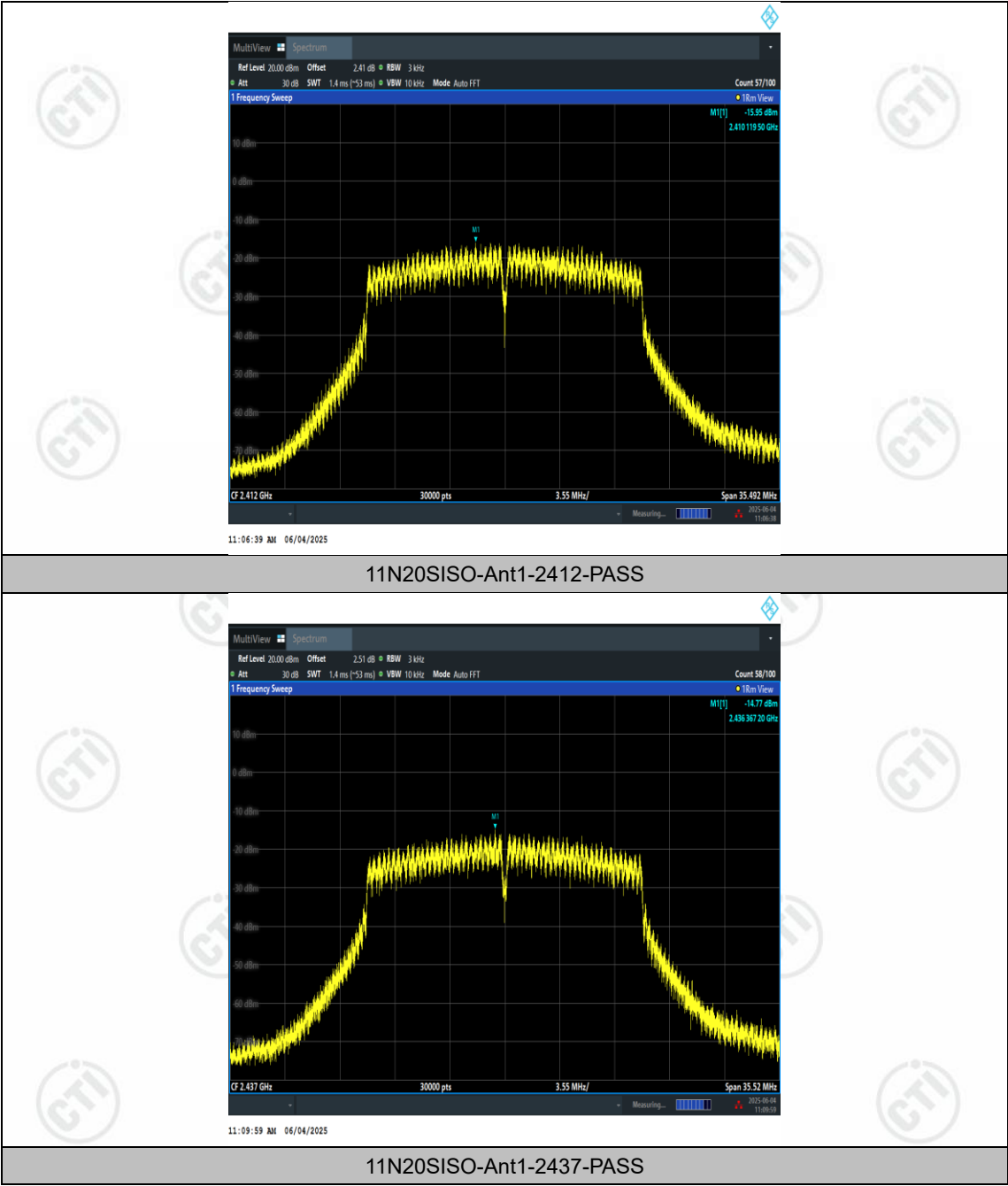
TestMode	Antenna	Frequency [MHz]	Result [dBm/3-100k Hz]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm/3-100 kHz]	Verdict
11B	Ant1	2412	-17.69	2.00	-15.69	≤8.00	PASS
11B	Ant1	2437	-17.70	2.00	-15.70	≤8.00	PASS
11B	Ant1	2462	-18.11	2.00	-16.11	≤8.00	PASS
11G	Ant1	2412	-14.52	2.00	-12.52	≤8.00	PASS
11G	Ant1	2437	-15.29	2.00	-13.29	≤8.00	PASS
11G	Ant1	2462	-15.67	2.00	-13.67	≤8.00	PASS
11N20SISO	Ant1	2412	-15.95	2.00	-13.95	≤8.00	PASS
11N20SISO	Ant1	2437	-14.77	2.00	-12.77	≤8.00	PASS
11N20SISO	Ant1	2462	-15.72	2.00	-13.72	≤8.00	PASS
11N40SISO	Ant1	2422	-17.10	2.00	-15.10	≤8.00	PASS
11N40SISO	Ant1	2437	-16.94	2.00	-14.94	≤8.00	PASS
11N40SISO	Ant1	2452	-16.89	2.00	-14.89	≤8.00	PASS

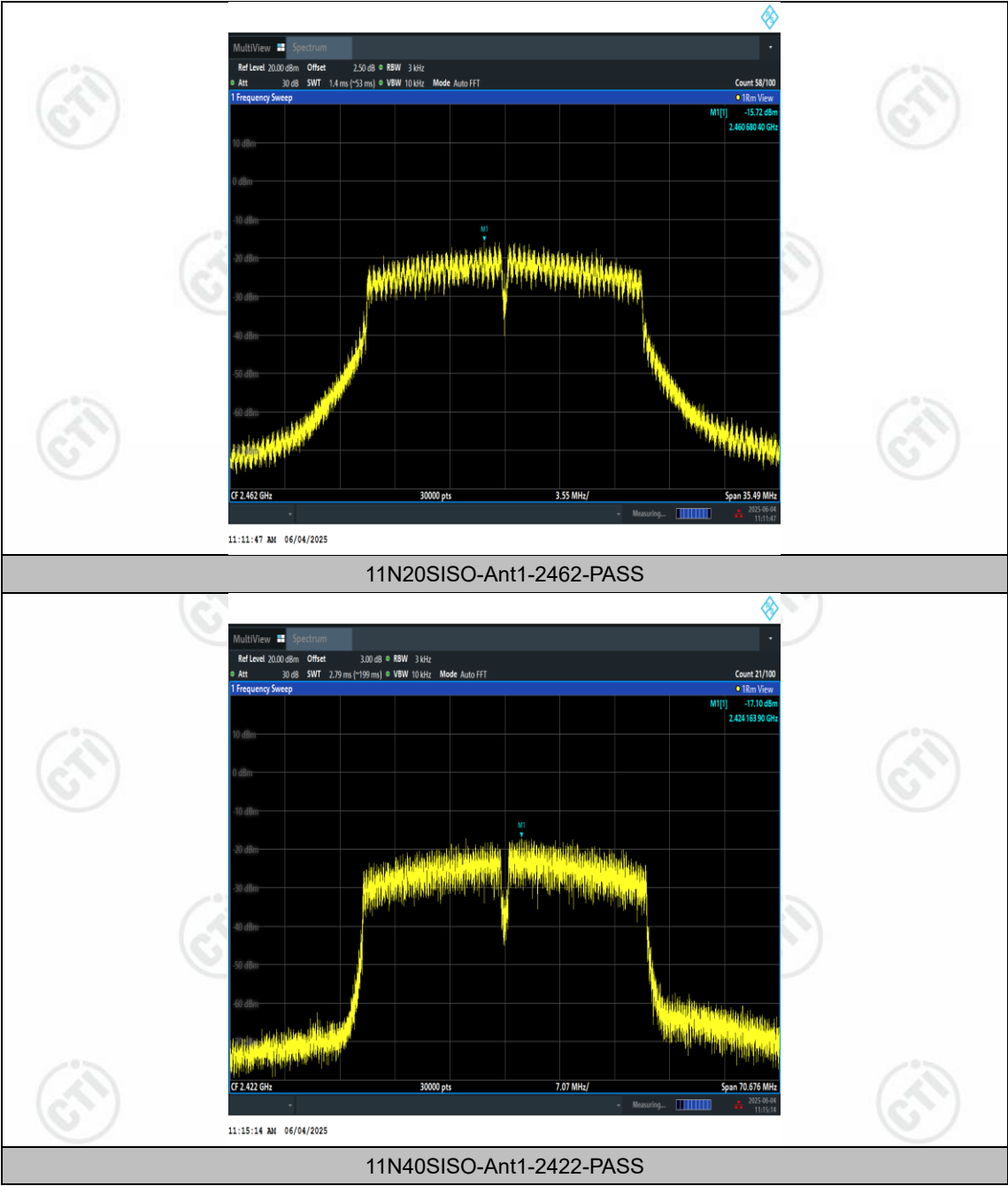
Test Graphs

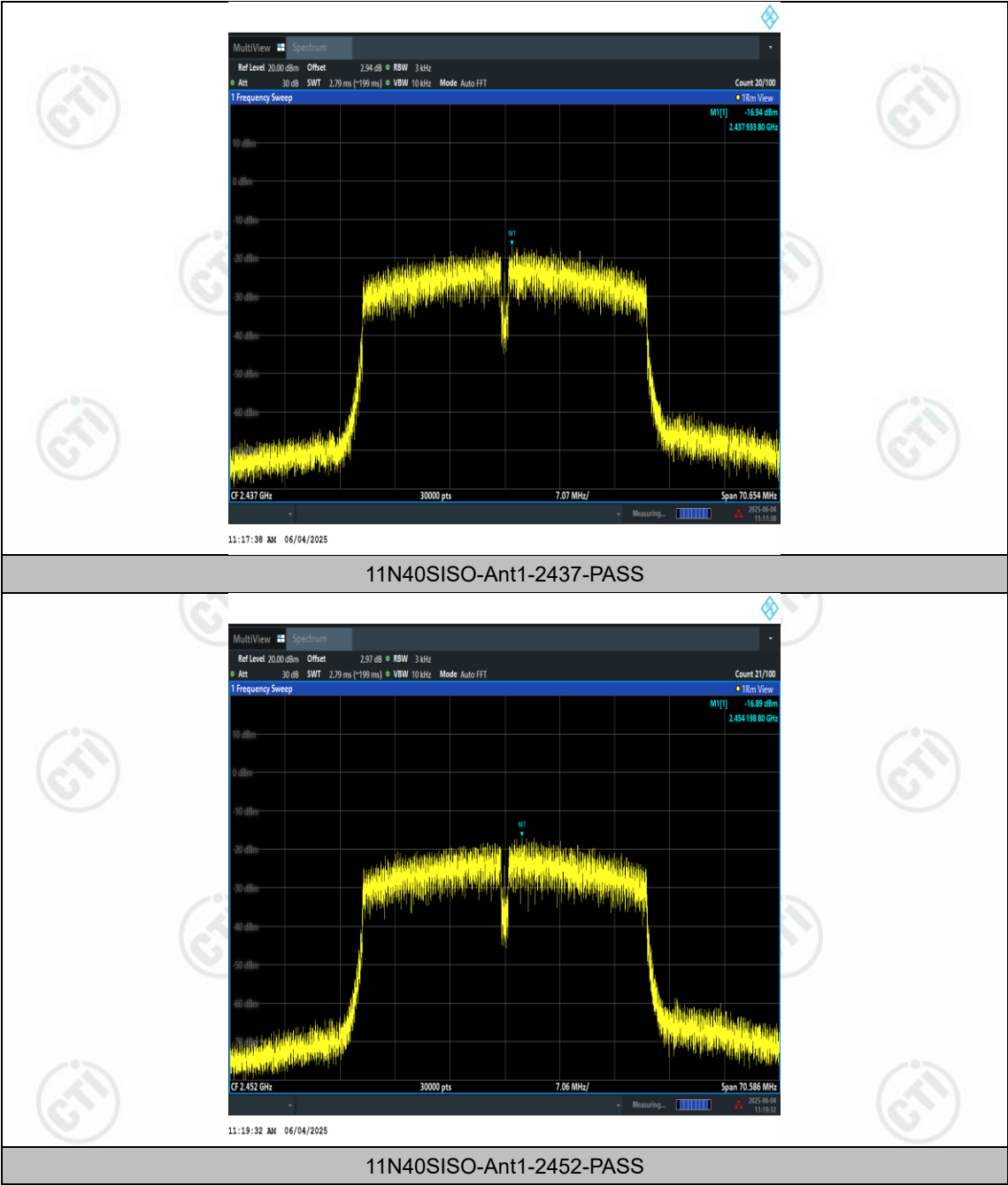












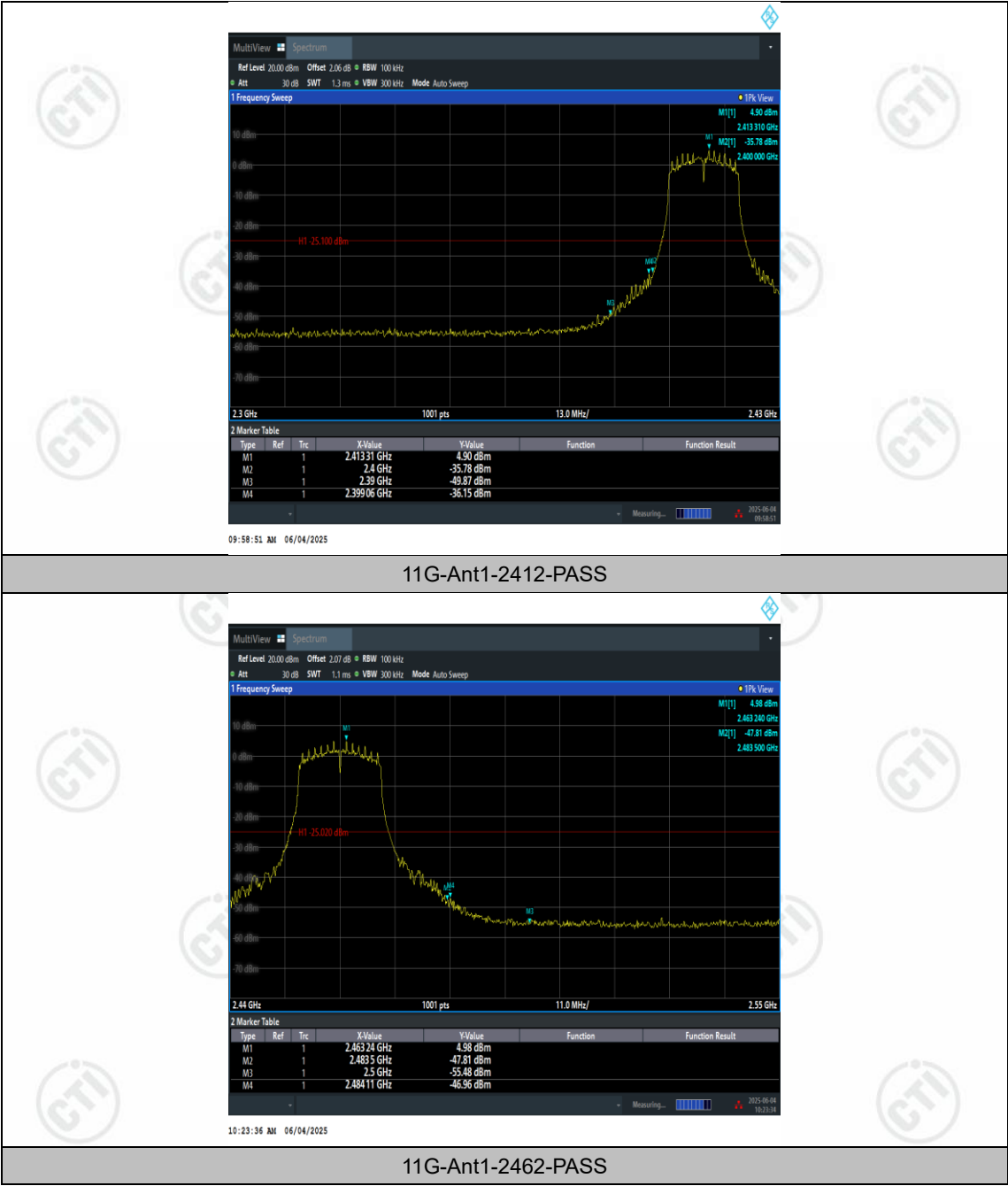
Appendix E: Band edge measurements

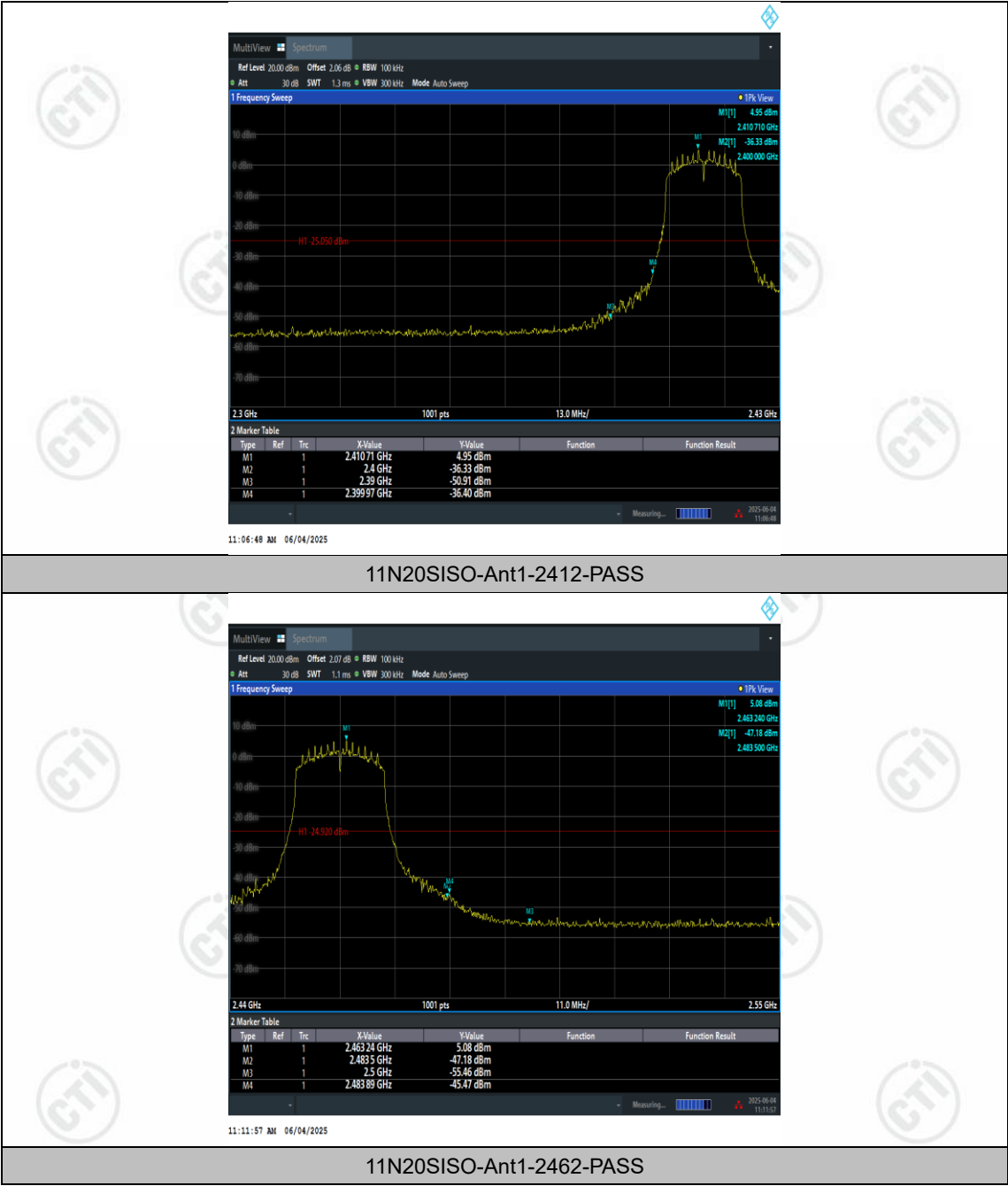
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	4.98	-44.9	≤-25.02	PASS
11B	Ant1	High	2462	4.90	-53.34	≤-25.1	PASS
11G	Ant1	Low	2412	4.90	-36.15	≤-25.1	PASS
11G	Ant1	High	2462	4.98	-46.96	≤-25.02	PASS
11N20SISO	Ant1	Low	2412	4.95	-36.4	≤-25.05	PASS
11N20SISO	Ant1	High	2462	5.08	-45.47	≤-24.92	PASS
11N40SISO	Ant1	Low	2422	2.56	-37.46	≤-27.44	PASS
11N40SISO	Ant1	High	2452	2.56	-39.21	≤-27.44	PASS

Test Graphs









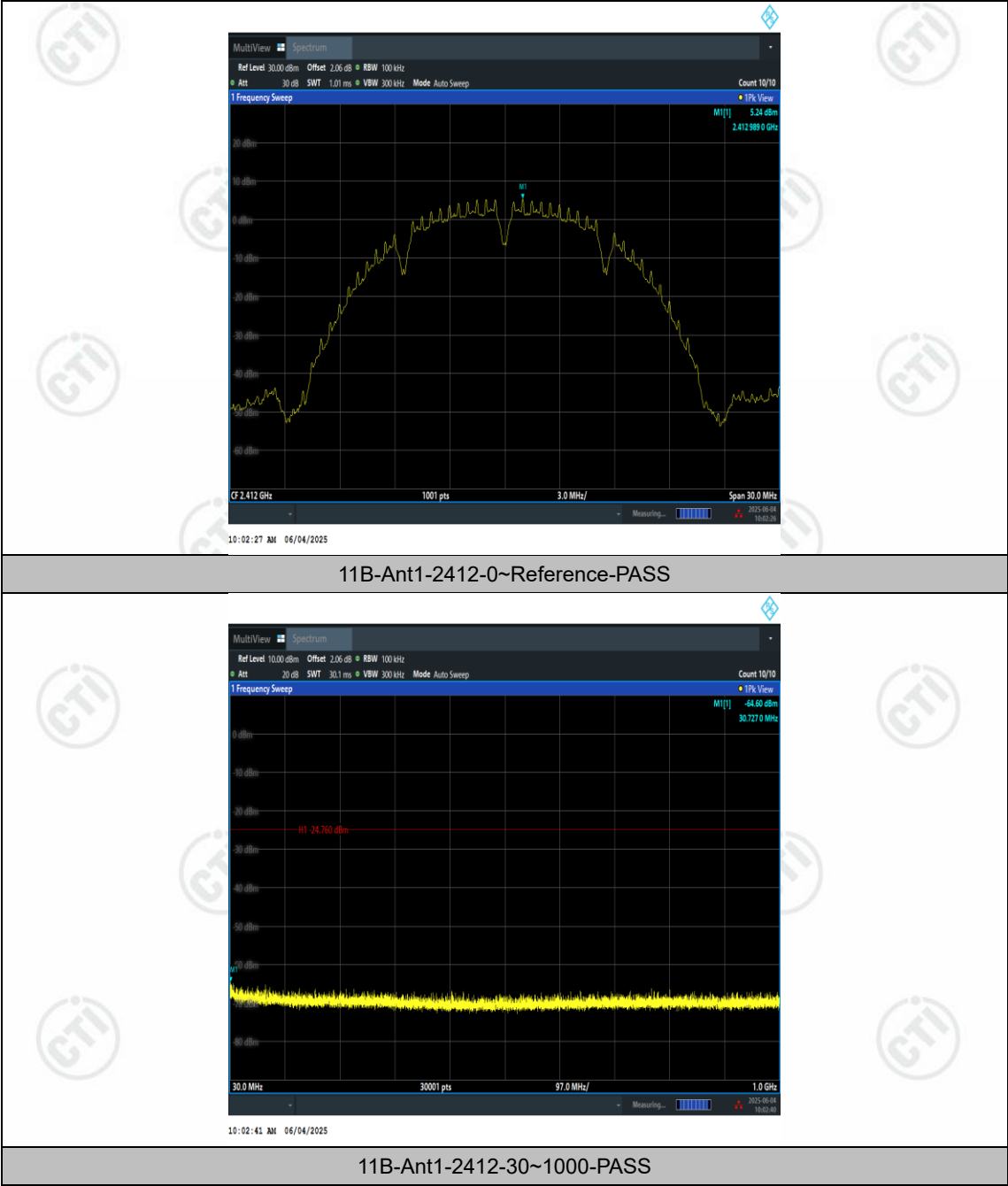
Appendix F: Conducted Spurious Emission

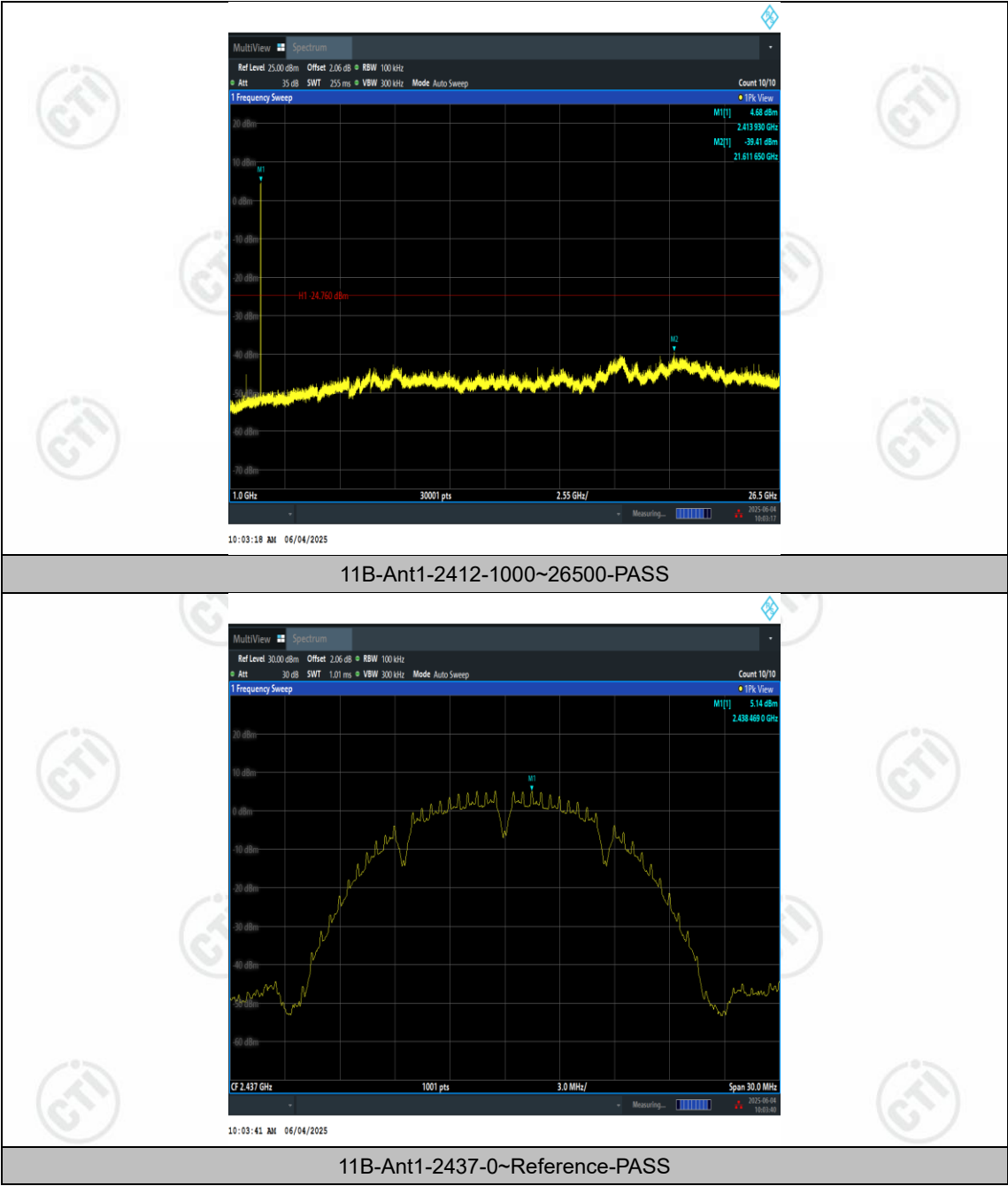
Test Result

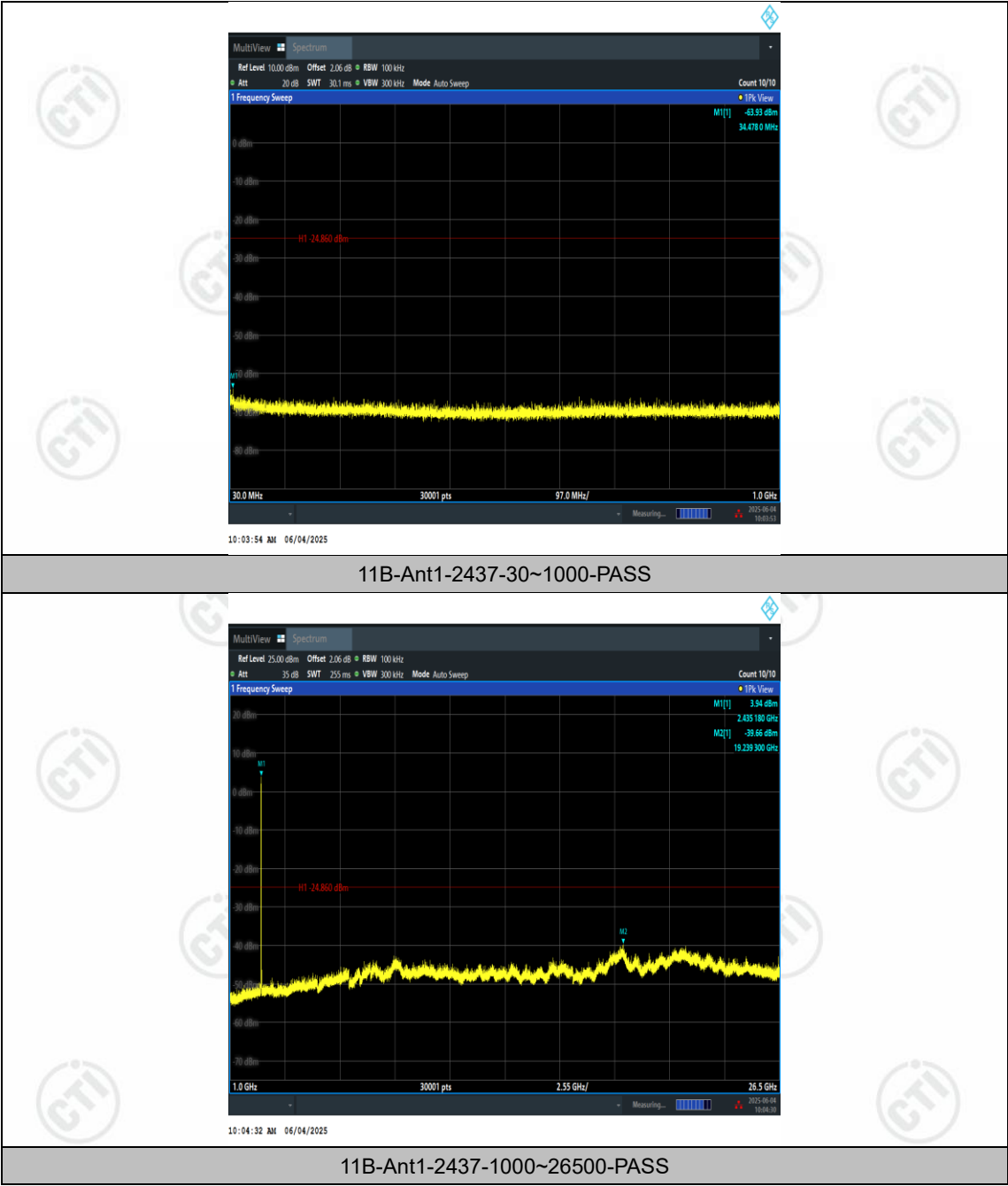
TestMode	Antenna	Frequen cy [MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	5.24	5.24	---	PASS
11B	Ant1	2412	30~1000	5.24	-64.6	≤-24.76	PASS
11B	Ant1	2412	1000~26500	5.24	-39.41	≤-24.76	PASS
11B	Ant1	2437	0~Reference	5.14	5.14	---	PASS
11B	Ant1	2437	30~1000	5.14	-63.93	≤-24.86	PASS
11B	Ant1	2437	1000~26500	5.14	-39.66	≤-24.86	PASS
11B	Ant1	2462	0~Reference	4.89	4.89	---	PASS
11B	Ant1	2462	30~1000	4.89	-64.63	≤-25.11	PASS
11B	Ant1	2462	1000~26500	4.89	-39.66	≤-25.11	PASS
11G	Ant1	2412	0~Reference	5.09	5.09	---	PASS
11G	Ant1	2412	30~1000	5.09	-64.4	≤-24.91	PASS
11G	Ant1	2412	1000~26500	5.09	-40.05	≤-24.91	PASS
11G	Ant1	2437	0~Reference	5.07	5.07	---	PASS
11G	Ant1	2437	30~1000	5.07	-65.02	≤-24.93	PASS
11G	Ant1	2437	1000~26500	5.07	-39.45	≤-24.93	PASS
11G	Ant1	2462	0~Reference	4.99	4.99	---	PASS
11G	Ant1	2462	30~1000	4.99	-64.79	≤-25.01	PASS
11G	Ant1	2462	1000~26500	4.99	-39.92	≤-25.01	PASS
11N20SISO	Ant1	2412	0~Reference	5.06	5.06	---	PASS
11N20SISO	Ant1	2412	30~1000	5.06	-57.06	≤-24.94	PASS
11N20SISO	Ant1	2412	1000~26500	5.06	-39.73	≤-24.94	PASS
11N20SISO	Ant1	2437	0~Reference	4.97	4.97	---	PASS
11N20SISO	Ant1	2437	30~1000	4.97	-64.99	≤-25.03	PASS
11N20SISO	Ant1	2437	1000~26500	4.97	-40.1	≤-25.03	PASS
11N20SISO	Ant1	2462	0~Reference	4.95	4.95	---	PASS
11N20SISO	Ant1	2462	30~1000	4.95	-64.46	≤-25.05	PASS
11N20SISO	Ant1	2462	1000~26500	4.95	-39.89	≤-25.05	PASS
11N40SISO	Ant1	2422	0~Reference	2.53	2.53	---	PASS
11N40SISO	Ant1	2422	30~1000	2.53	-64.21	≤-27.47	PASS
11N40SISO	Ant1	2422	1000~26500	2.53	-39.66	≤-27.47	PASS
11N40SISO	Ant1	2437	0~Reference	2.58	2.58	---	PASS
11N40SISO	Ant1	2437	30~1000	2.58	-63.96	≤-27.42	PASS
11N40SISO	Ant1	2437	1000~26500	2.58	-39.54	≤-27.42	PASS
11N40SISO	Ant1	2452	0~Reference	2.41	2.41	---	PASS
11N40SISO	Ant1	2452	30~1000	2.41	-59.47	≤-27.59	PASS

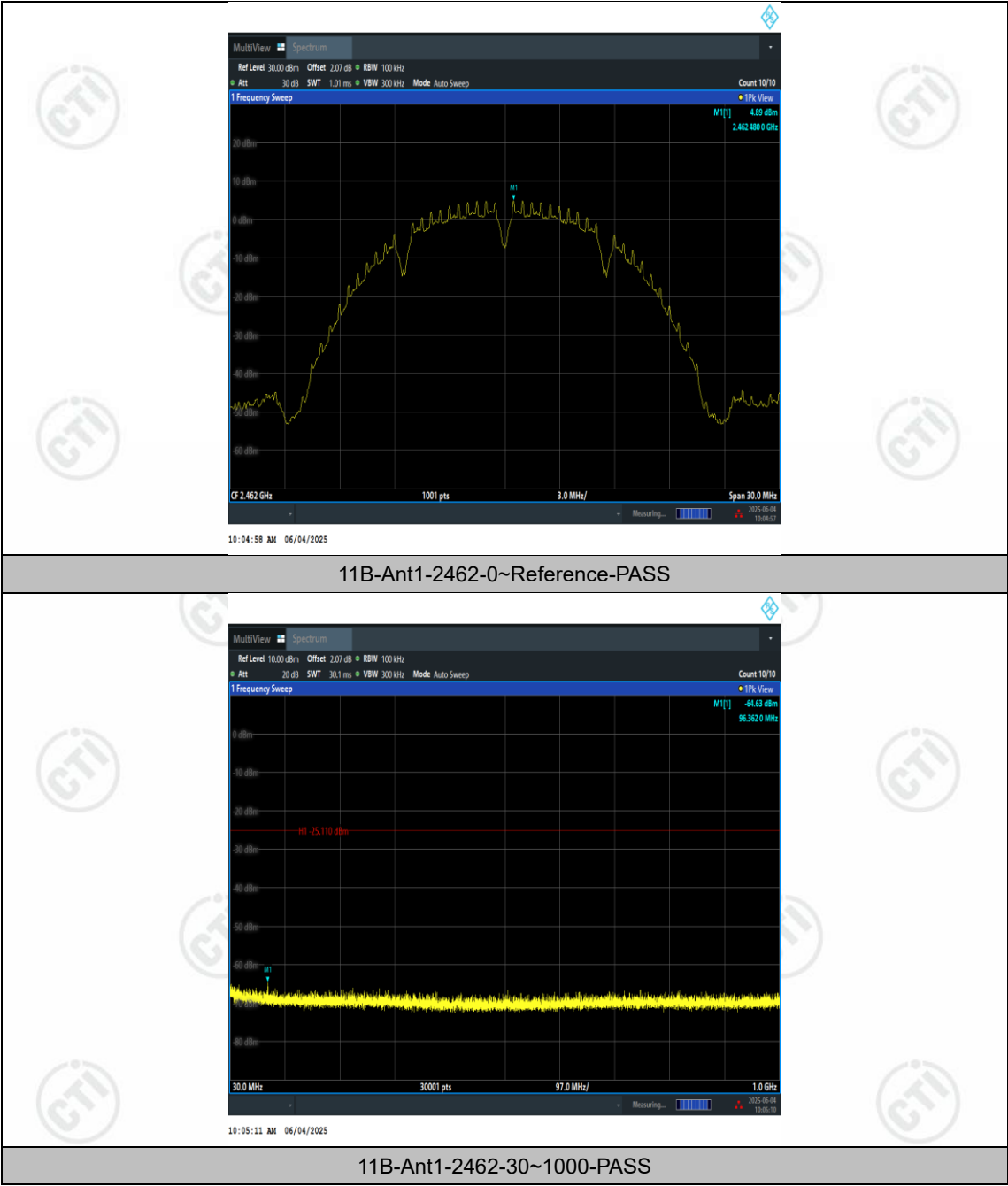
11N40SISO	Ant1	2452	1000~26500	2.41	-39.09	≤-27.59	PASS
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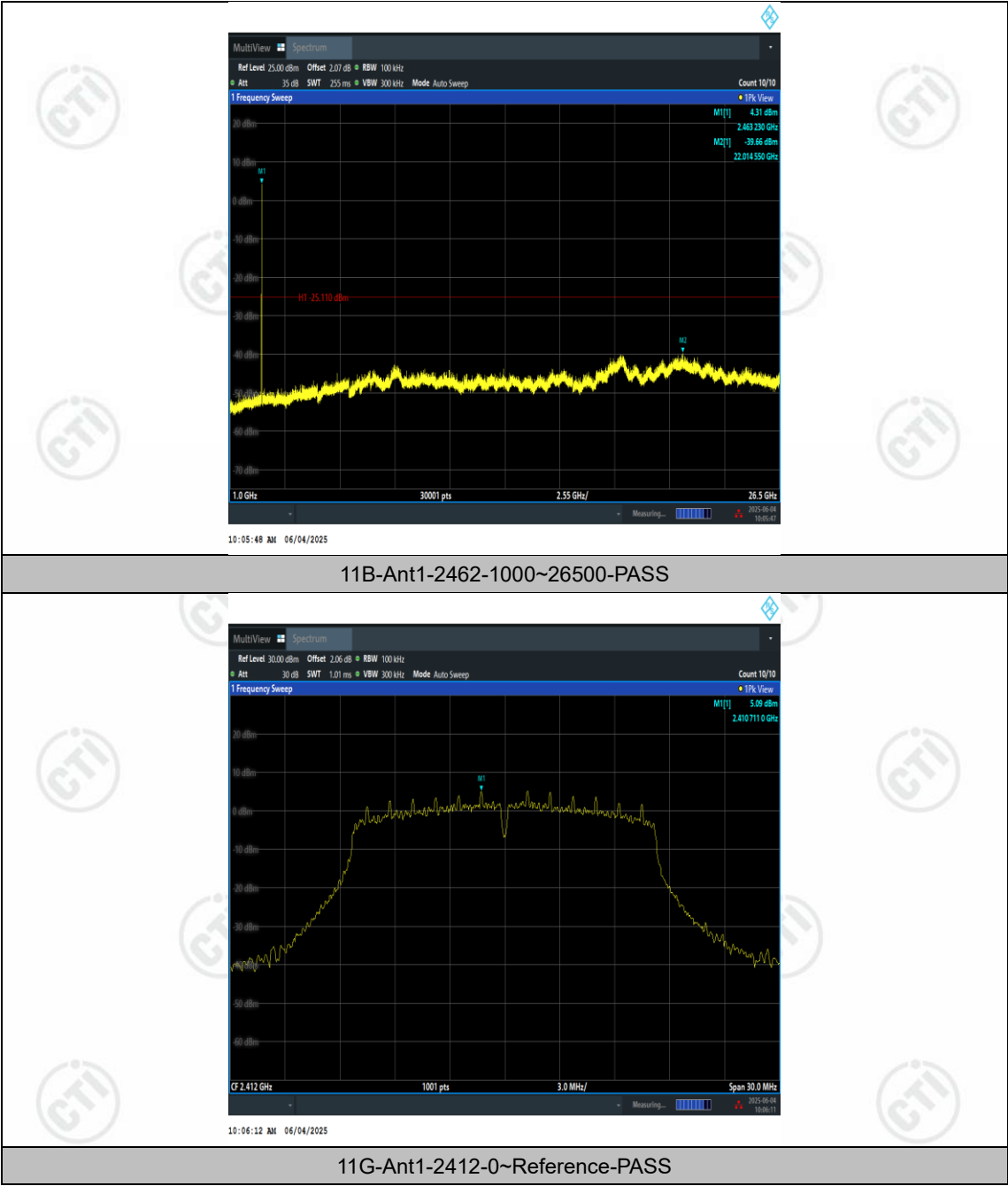
Test Graphs

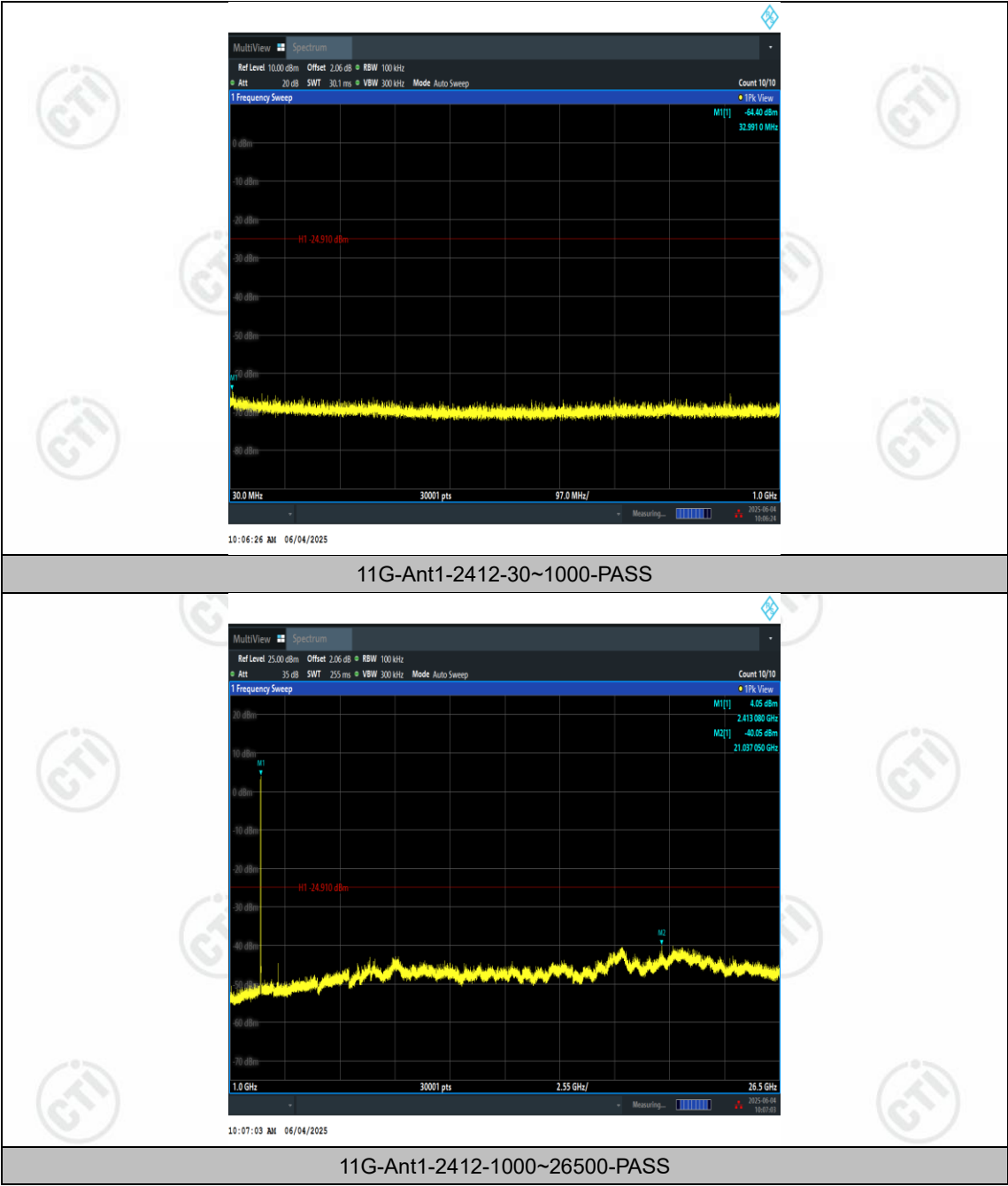


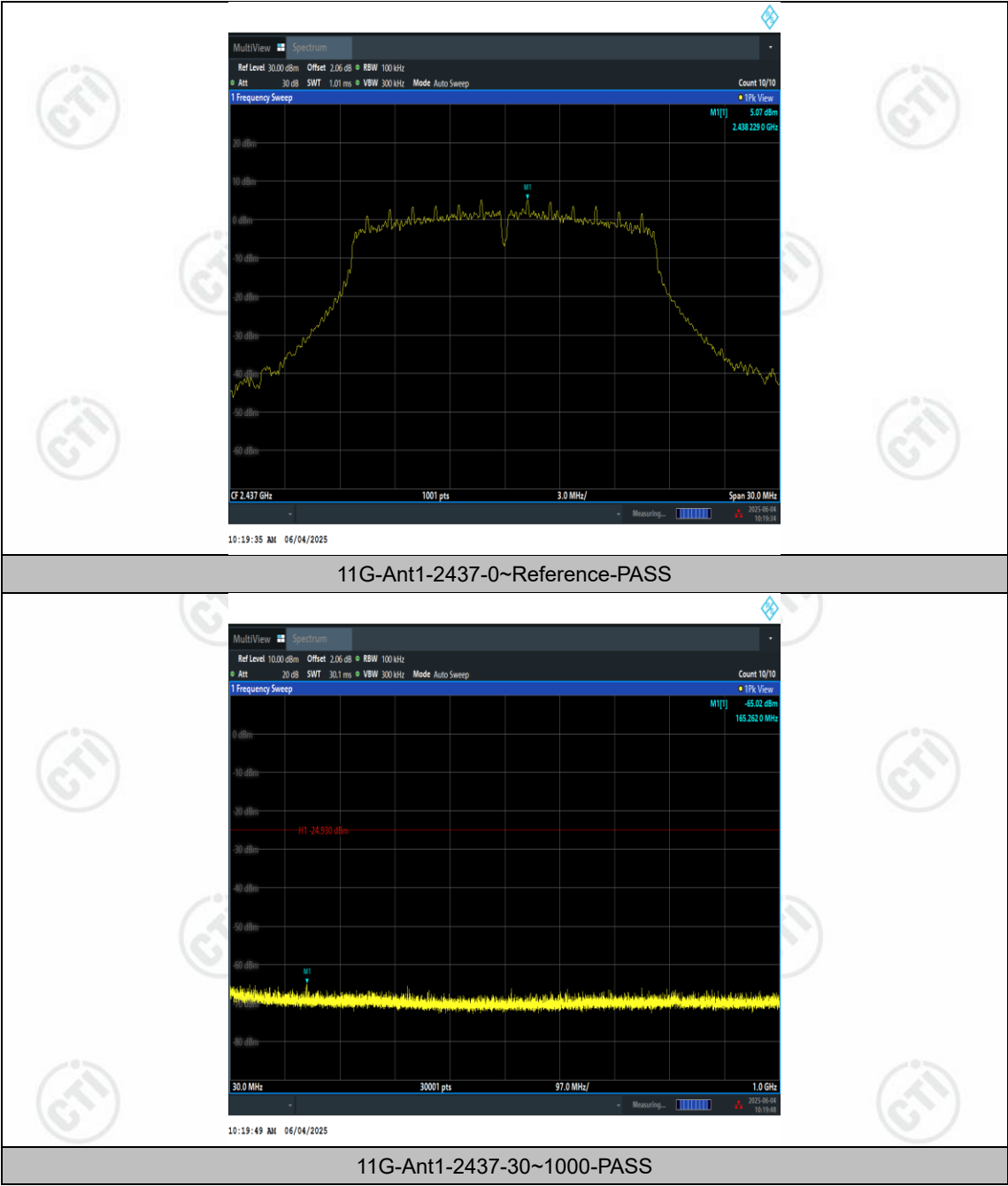


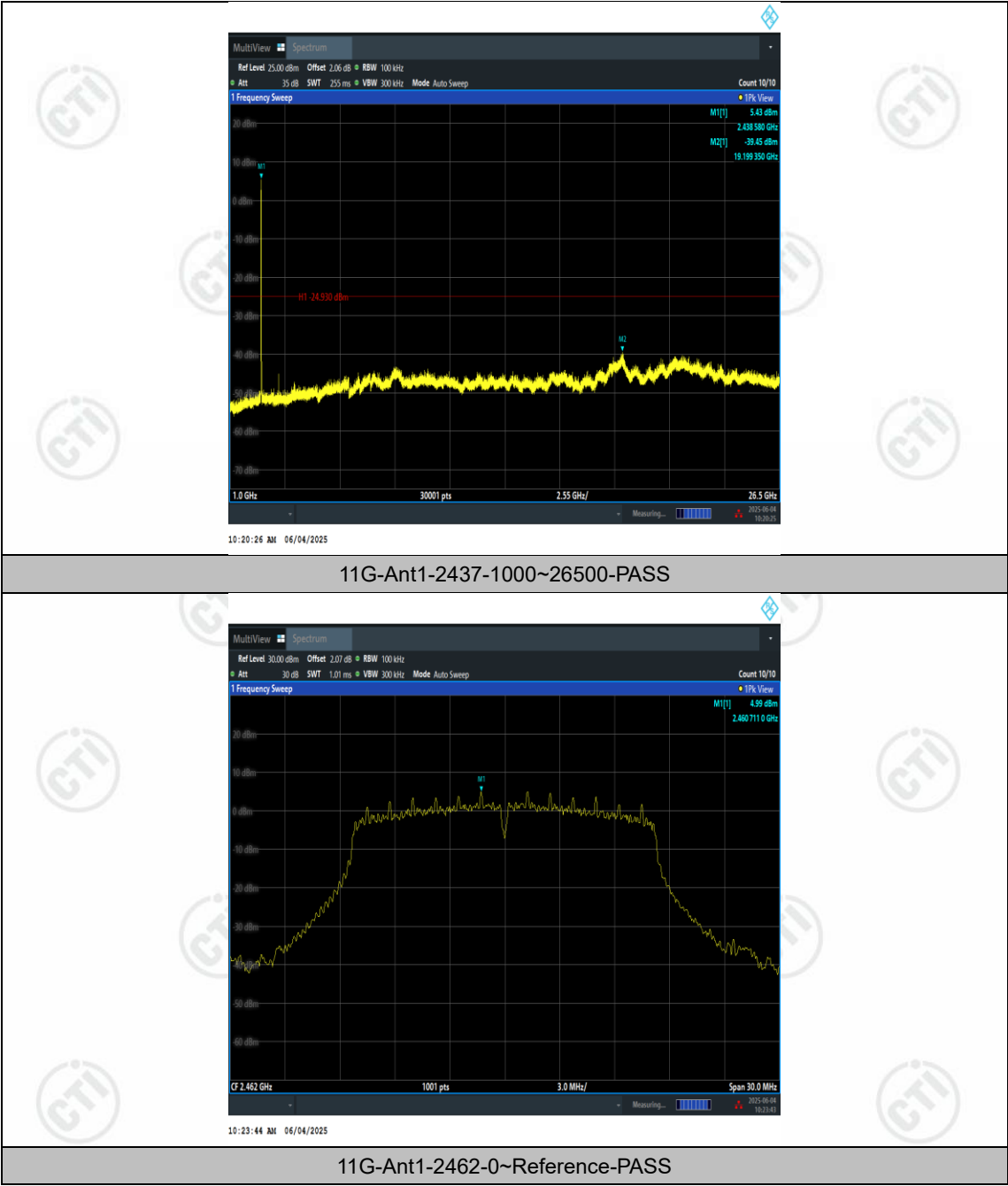


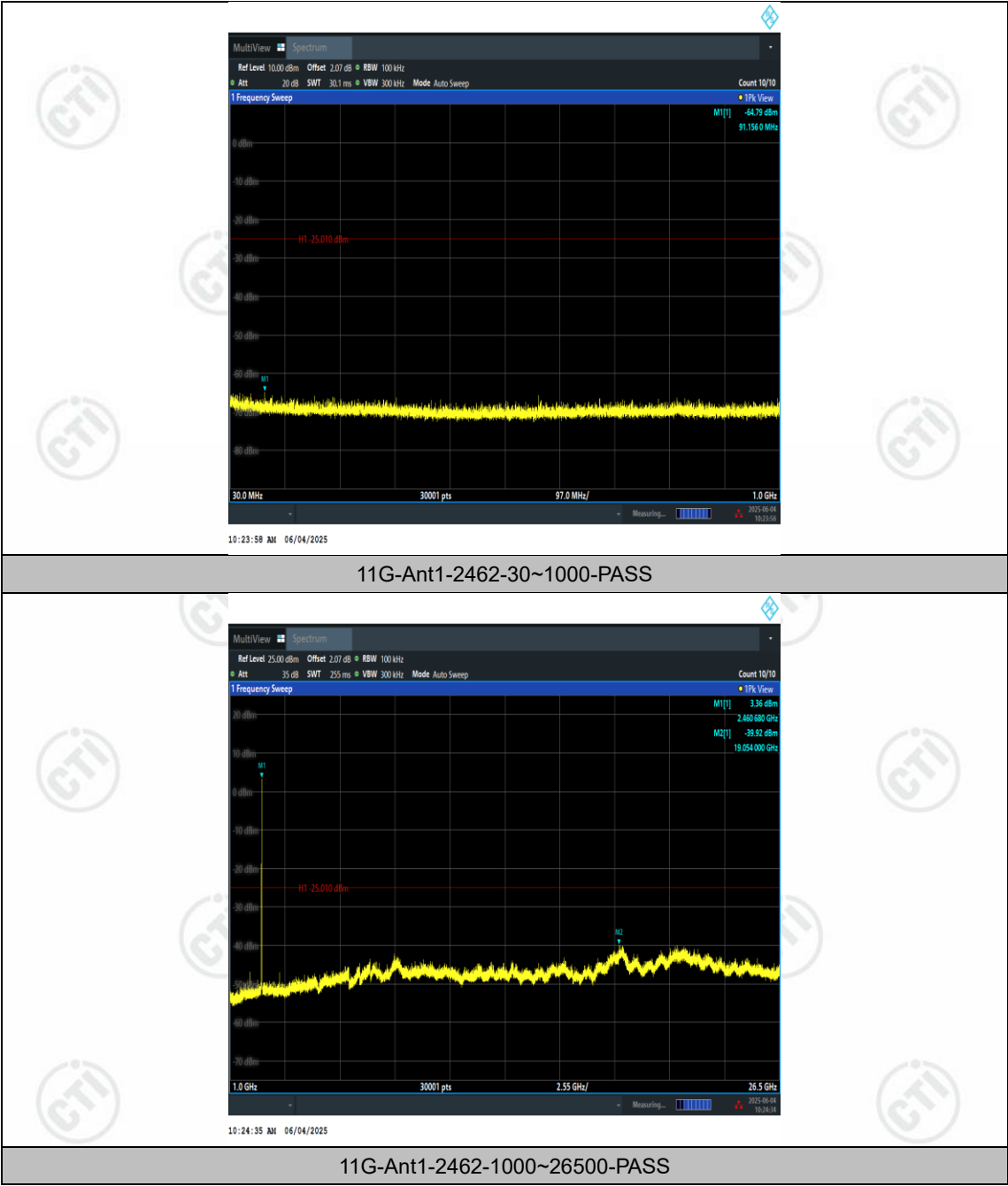


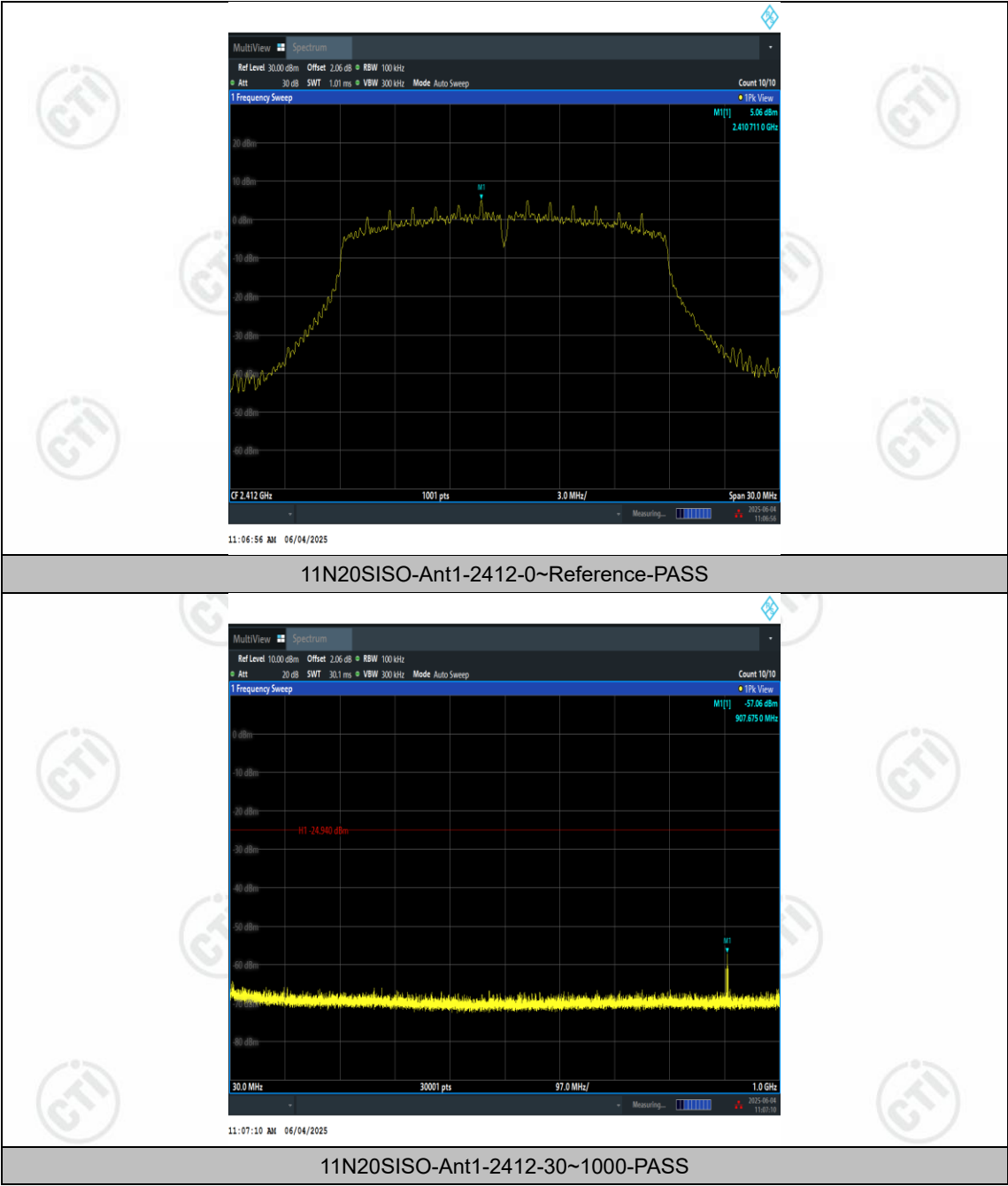


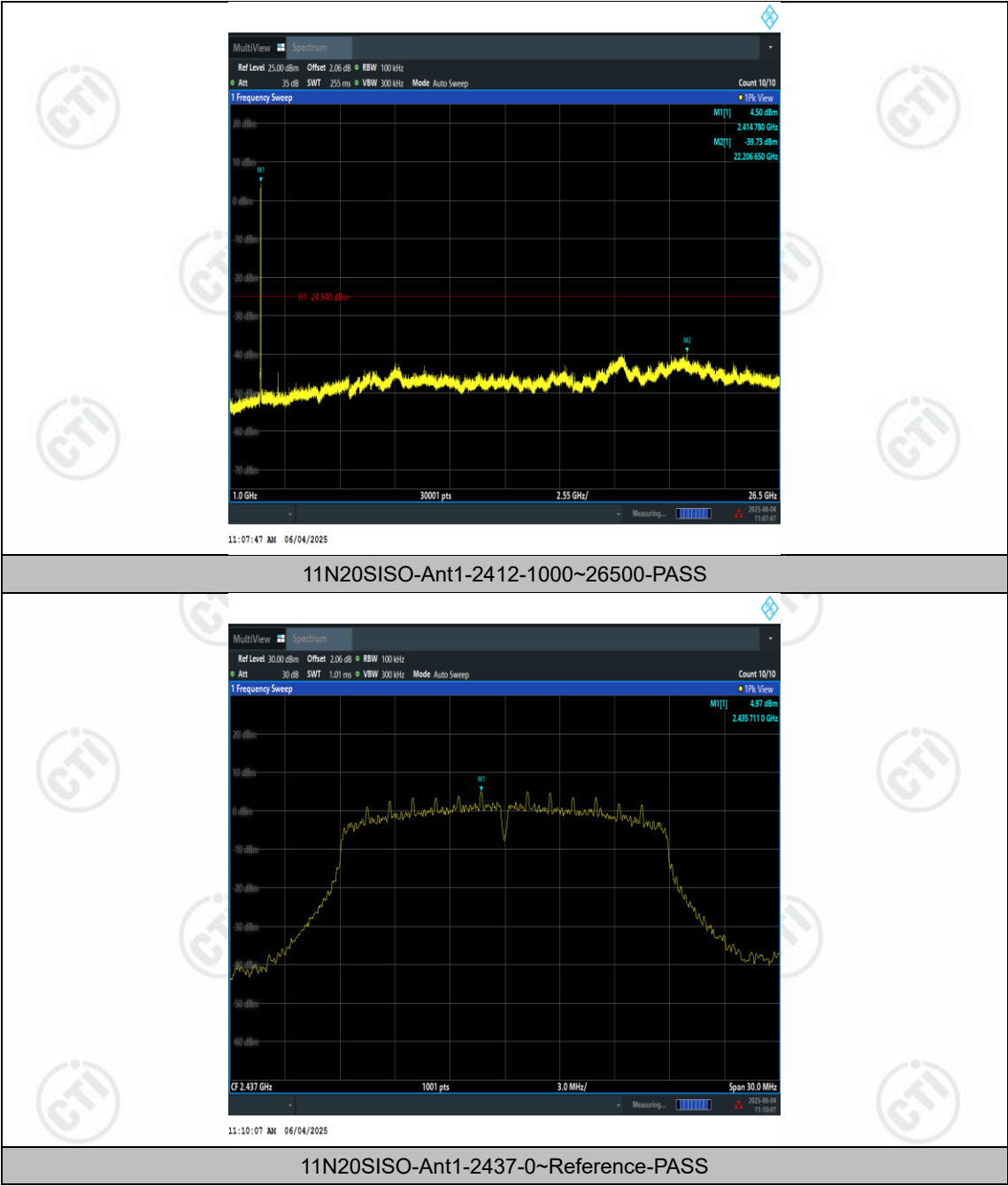


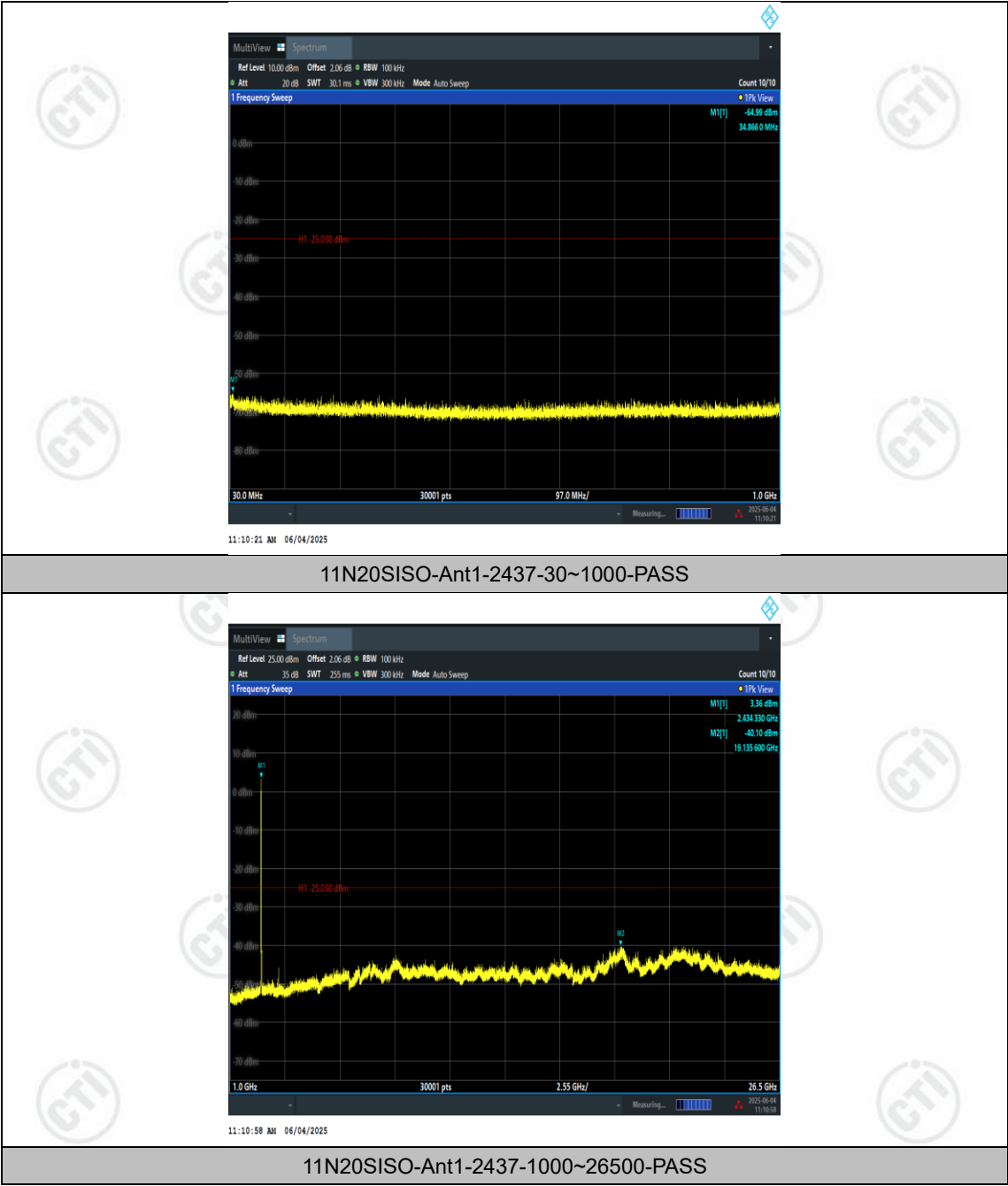


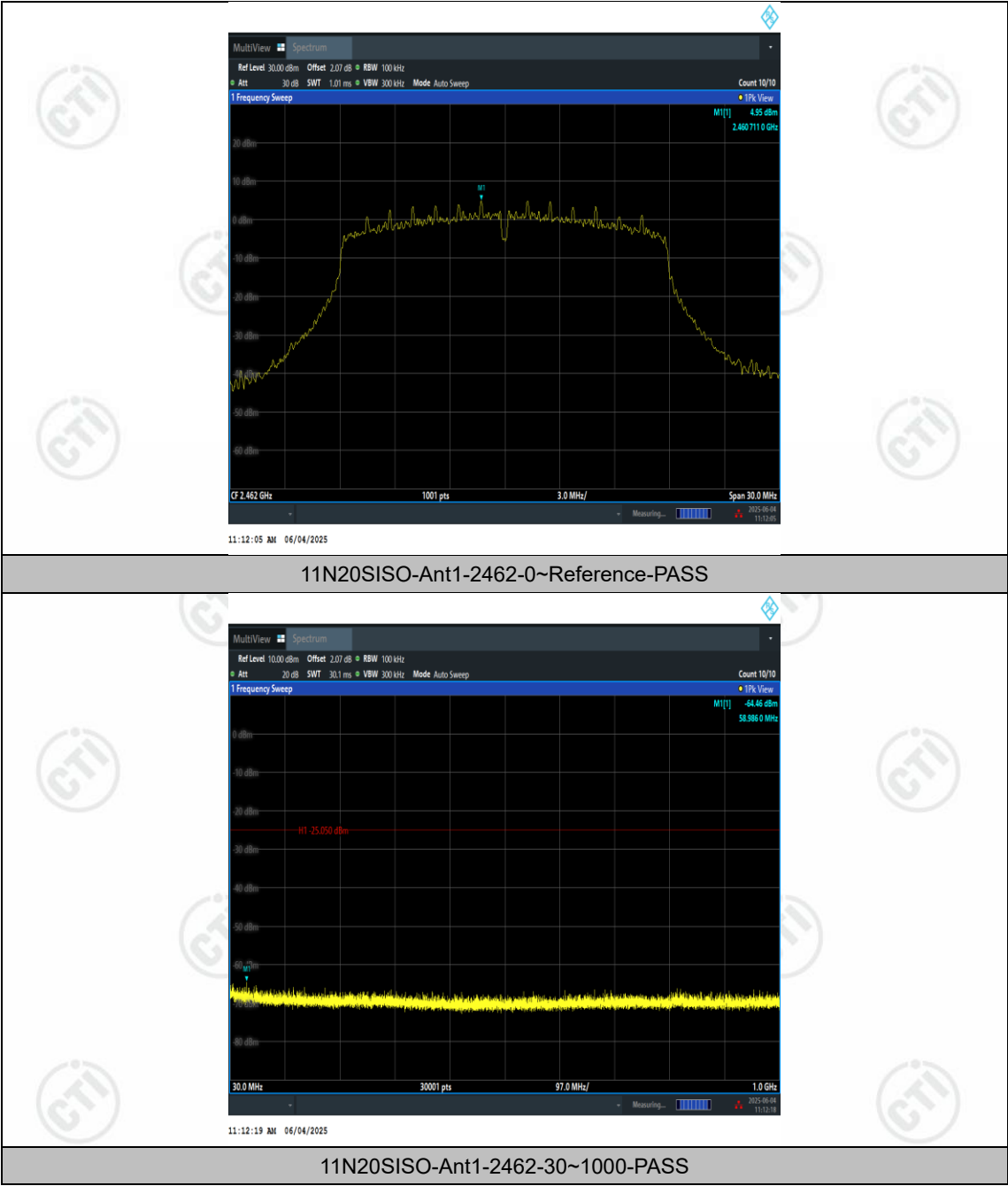


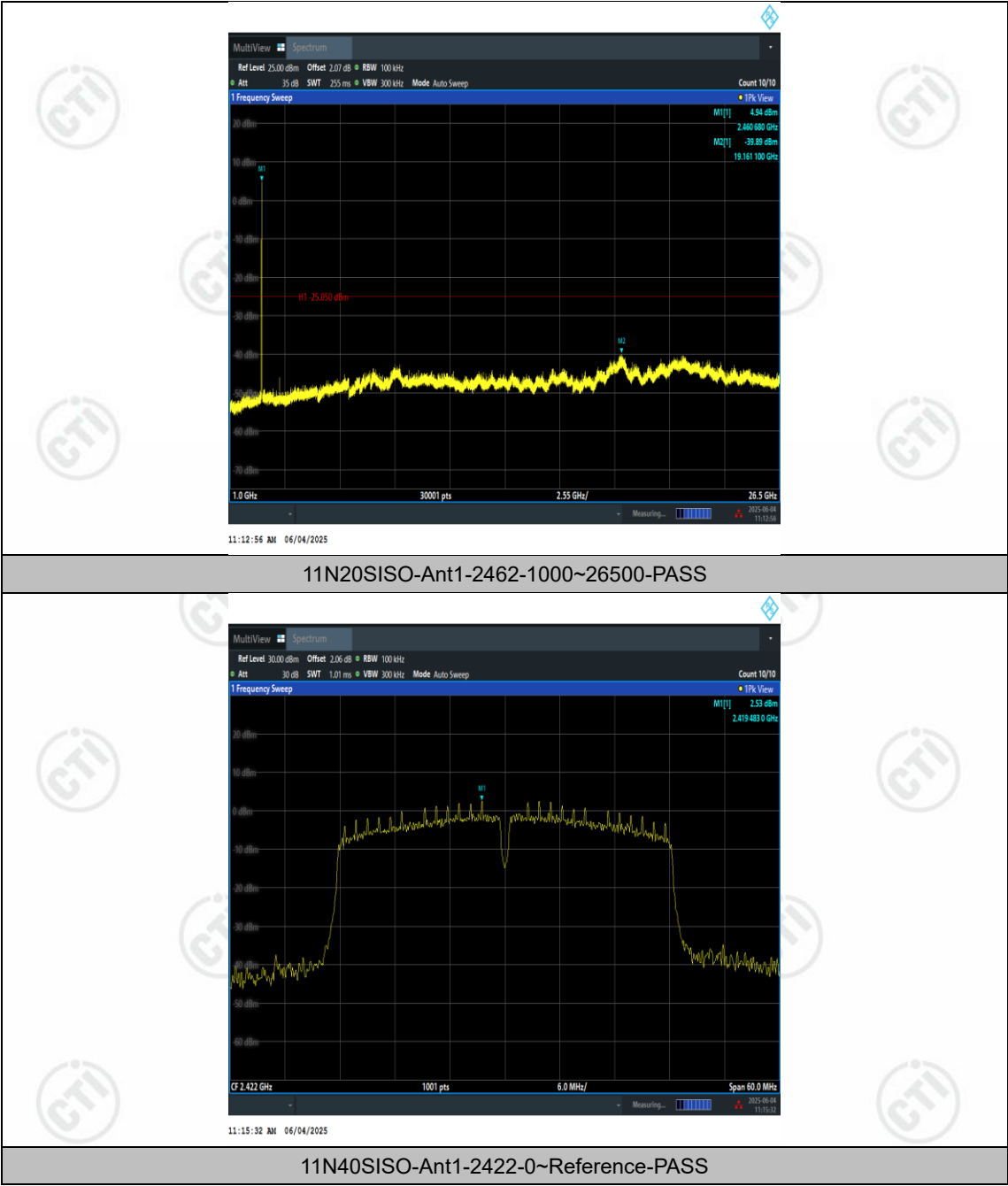


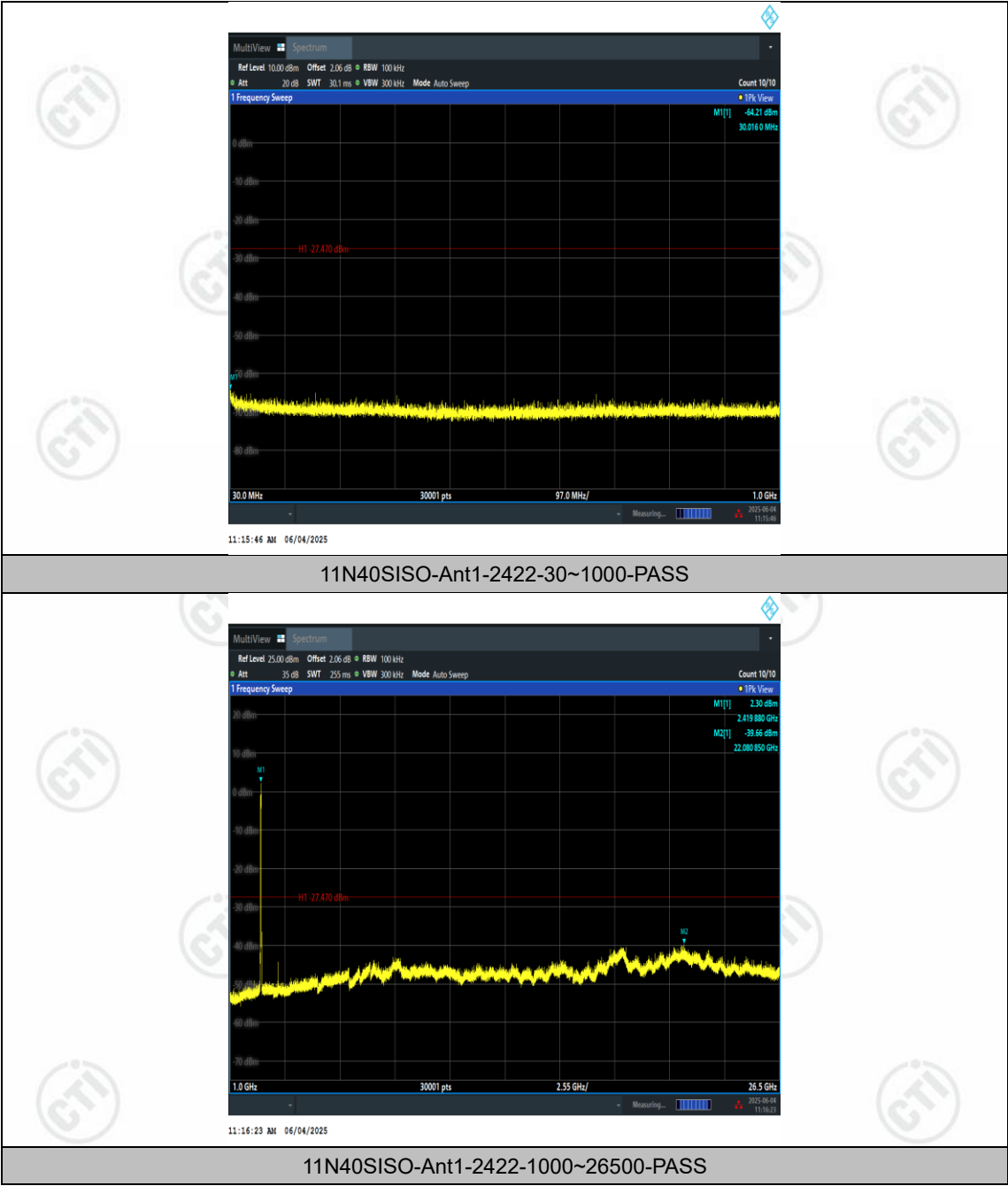


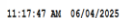




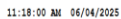




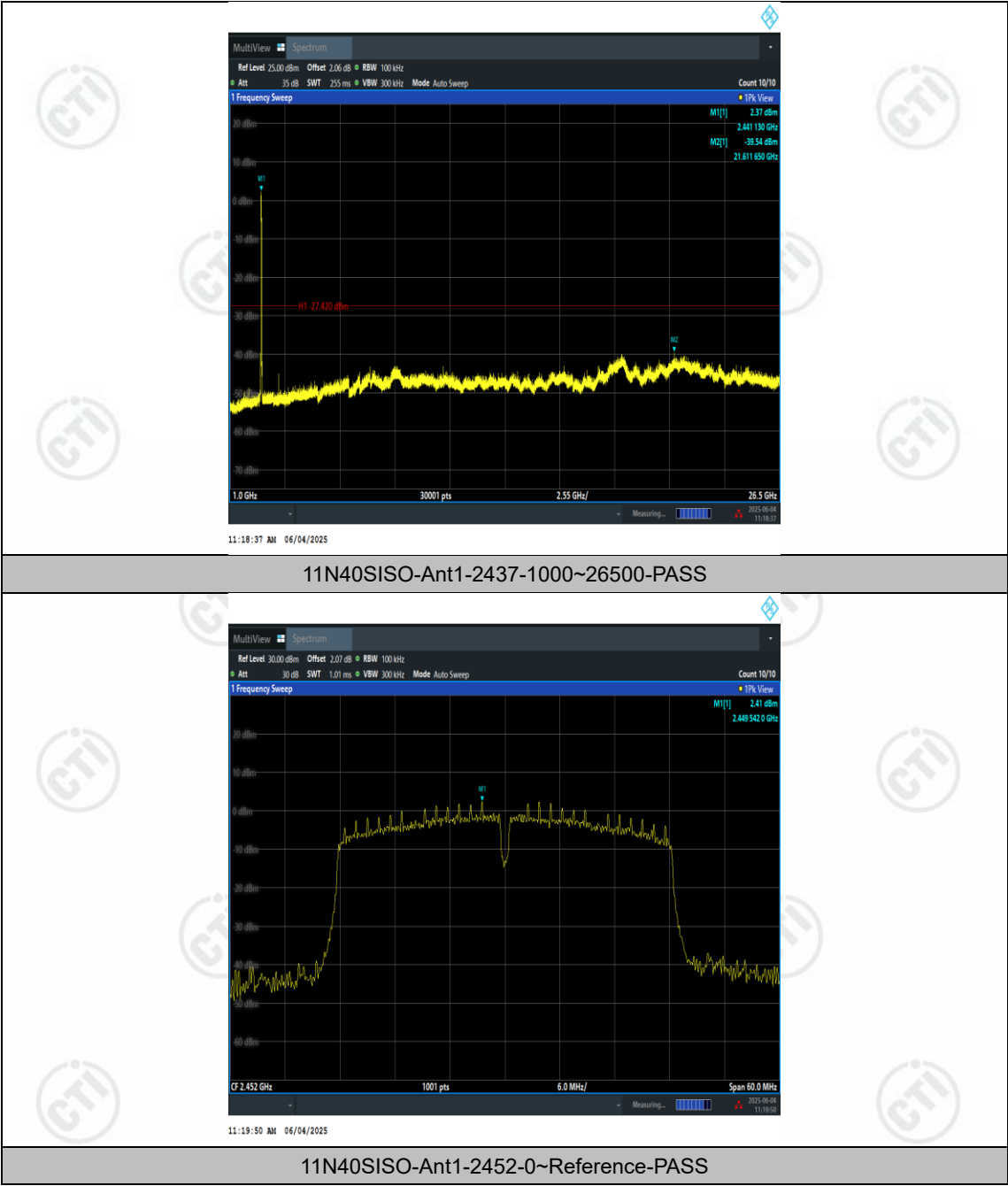


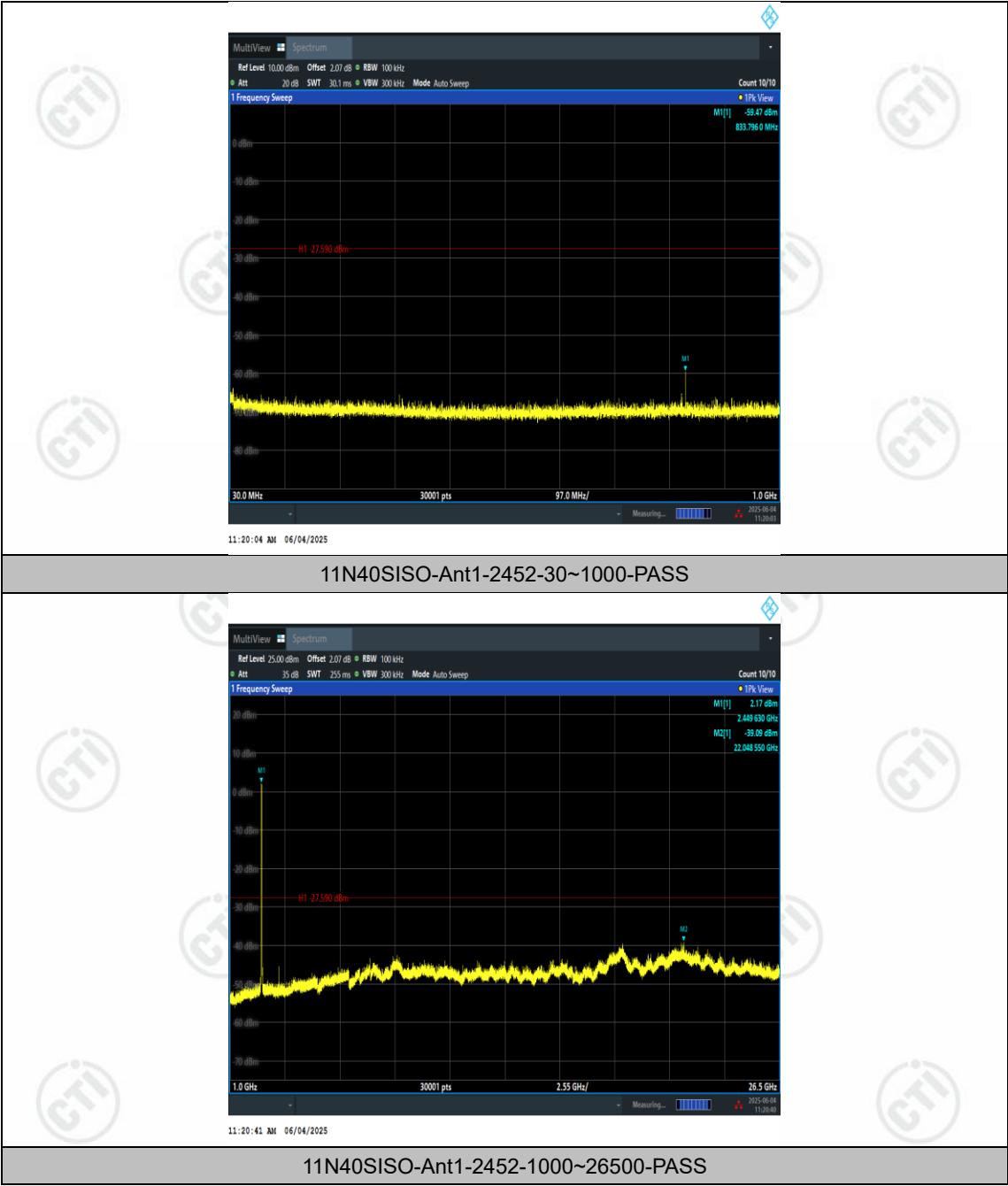


11N40SISO-Ant1-2437-30~1000-PASS



11N40SISO-Ant1-2437-30~1000-PASS





Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	12.42	12.87	96.50	0.15
11B	Ant1	2437	12.42	12.90	96.28	0.16
11B	Ant1	2462	12.42	12.90	96.28	0.16
11G	Ant1	2412	2.06	2.28	90.35	0.44
11G	Ant1	2437	2.06	2.29	89.96	0.46
11G	Ant1	2462	2.06	2.29	89.96	0.46
11N20SISO	Ant1	2412	1.92	2.08	92.31	0.35
11N20SISO	Ant1	2437	1.92	2.13	90.14	0.45
11N20SISO	Ant1	2462	1.92	2.12	90.57	0.43
11N40SISO	Ant1	2422	0.95	1.18	80.51	0.94
11N40SISO	Ant1	2437	0.94	1.15	81.74	0.88
11N40SISO	Ant1	2452	0.95	1.17	81.20	0.90

Test Graphs

