



Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China

Appendix RF Test Data for 2.4GWIFI

Company : SMARTCORE TECHNOLOGIES LIMITED

EUT : Intelligent glasses

Model Number : V03 Pro

Report No. : CTA26061200702

Reviewed By : Eric Wang



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Appendix A: Frequency Error

Test Result

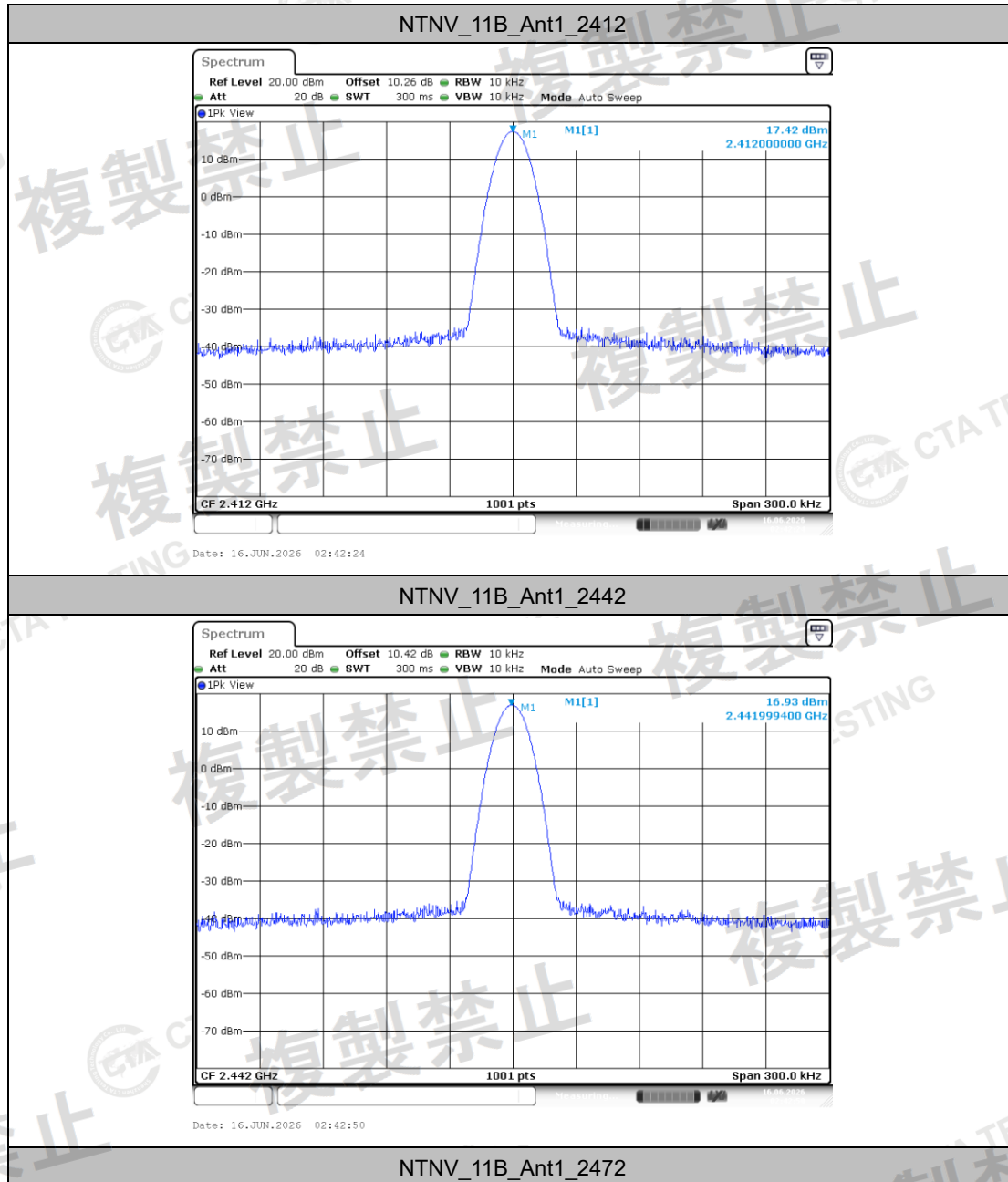
TestCondition	TestMode	Antenna	Freq(MHz)	CenterFrequency [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	11B	Ant1	2412	2412	0.00000	±50	PASS
			2442	2441.9994	-0.24570	±50	PASS
			2472	2471.9988	-0.48544	±50	PASS



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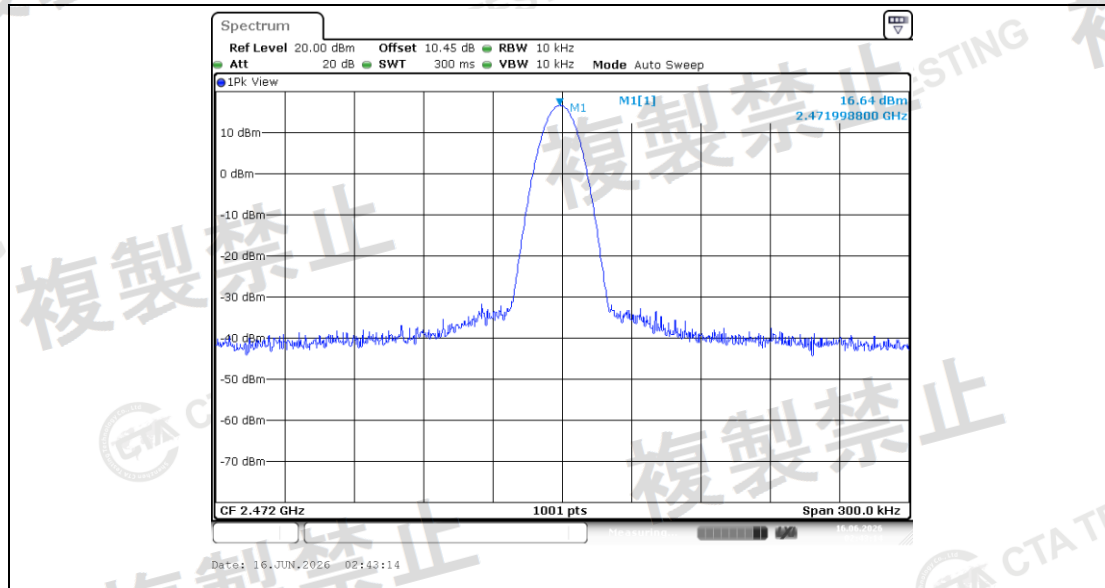
Test Graphs





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Appendix B: Occupied Bandwidth

Test Result

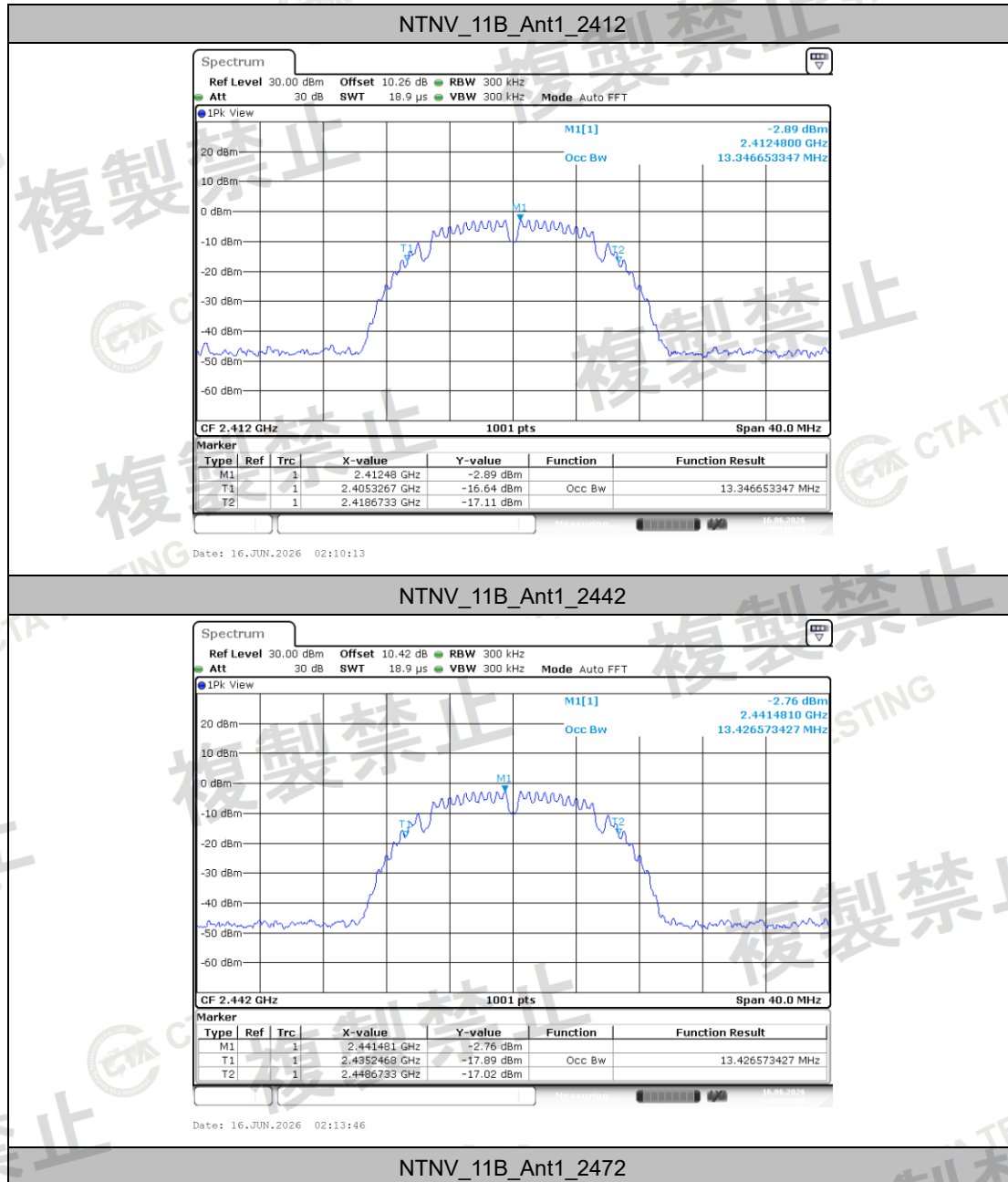
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	11B	Ant1	2412	13.347	≤26	PASS
			2442	13.427	≤26	PASS
			2472	13.387	≤26	PASS
	11G	Ant1	2412	16.703	≤26	PASS
			2442	16.703	≤26	PASS
			2472	16.464	≤26	PASS
	11N20SI SO	Ant1	2412	17.942	≤26	PASS
			2442	17.742	≤26	PASS
			2472	17.622	≤26	PASS



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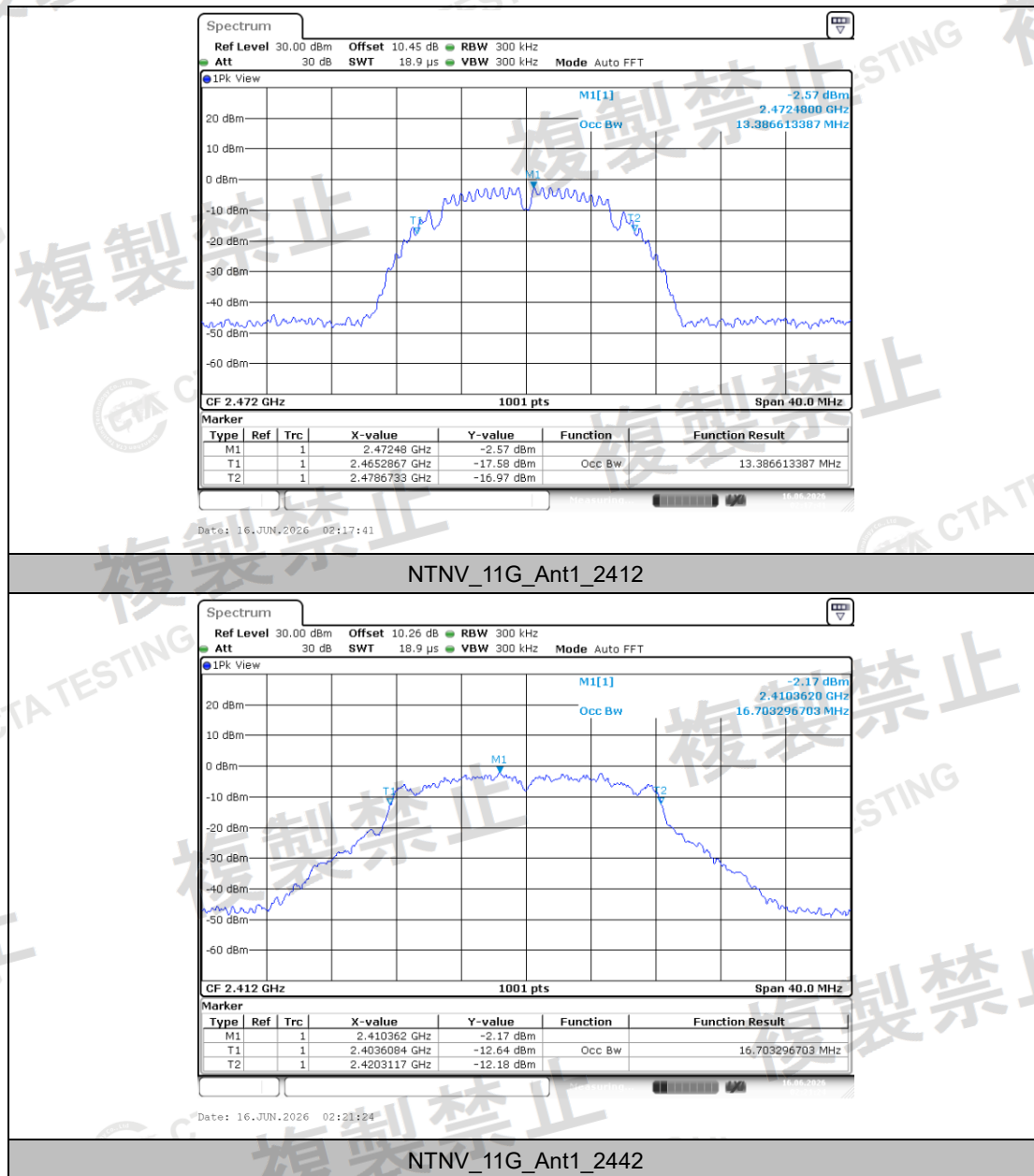
Test Graphs





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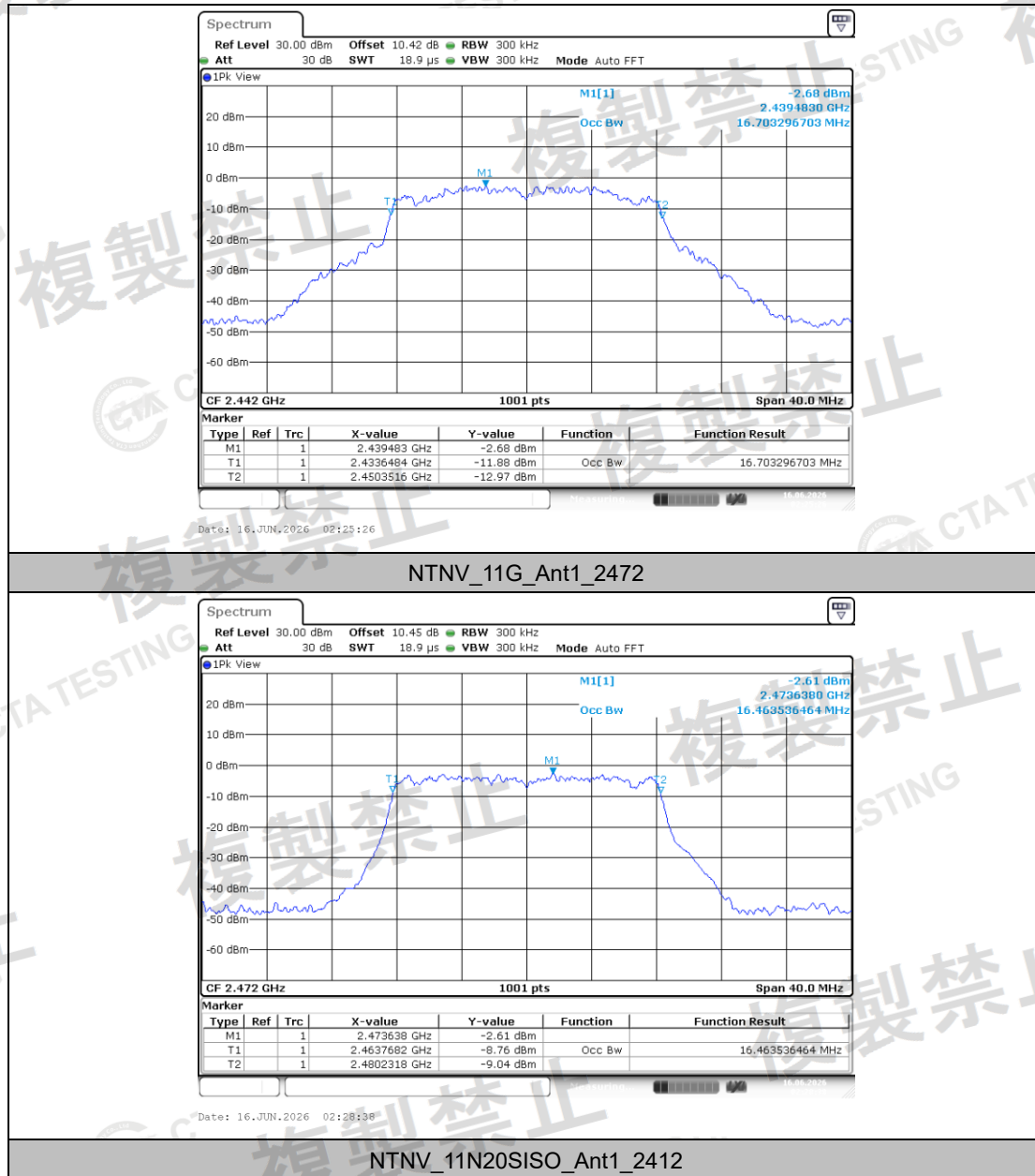
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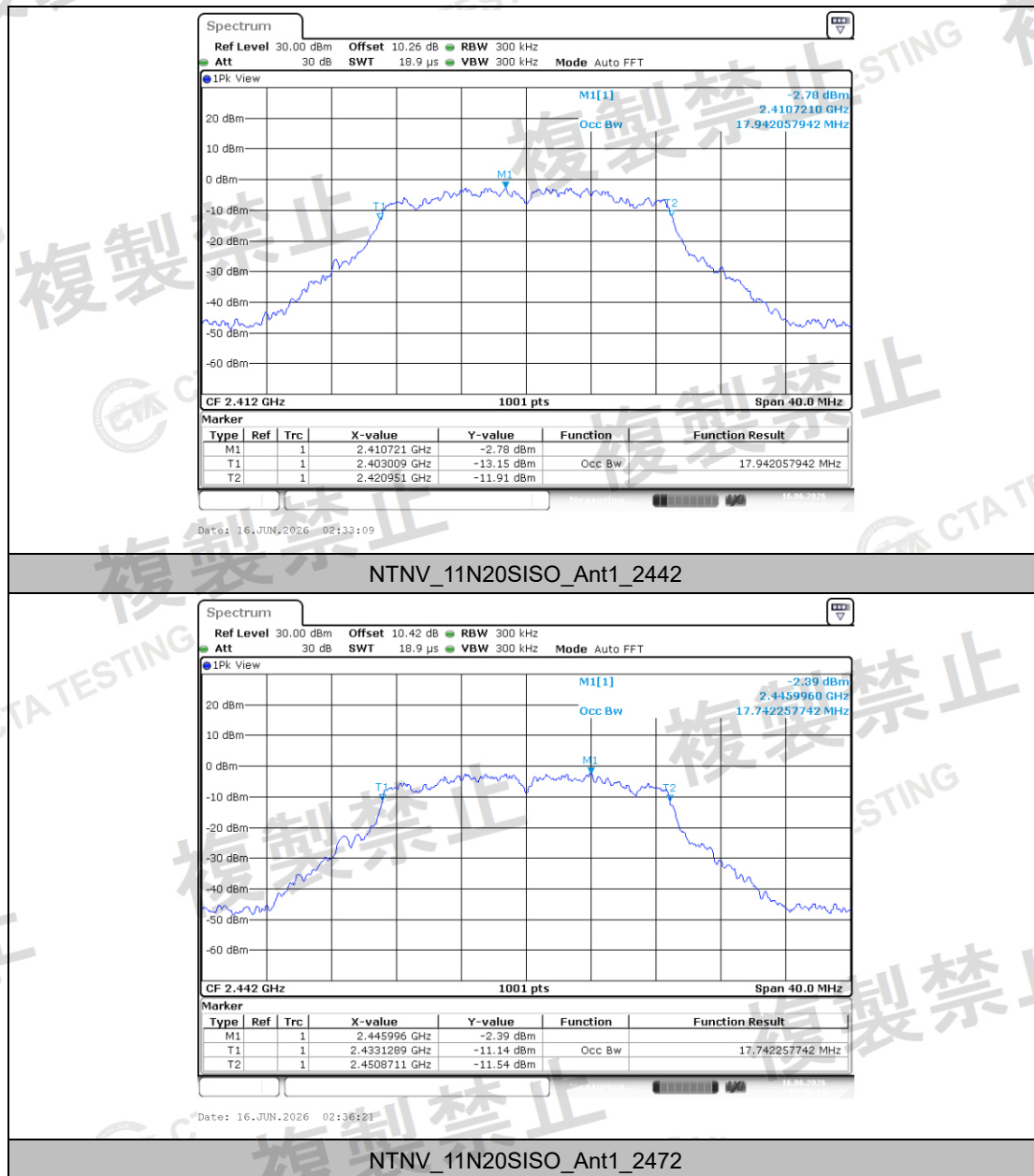
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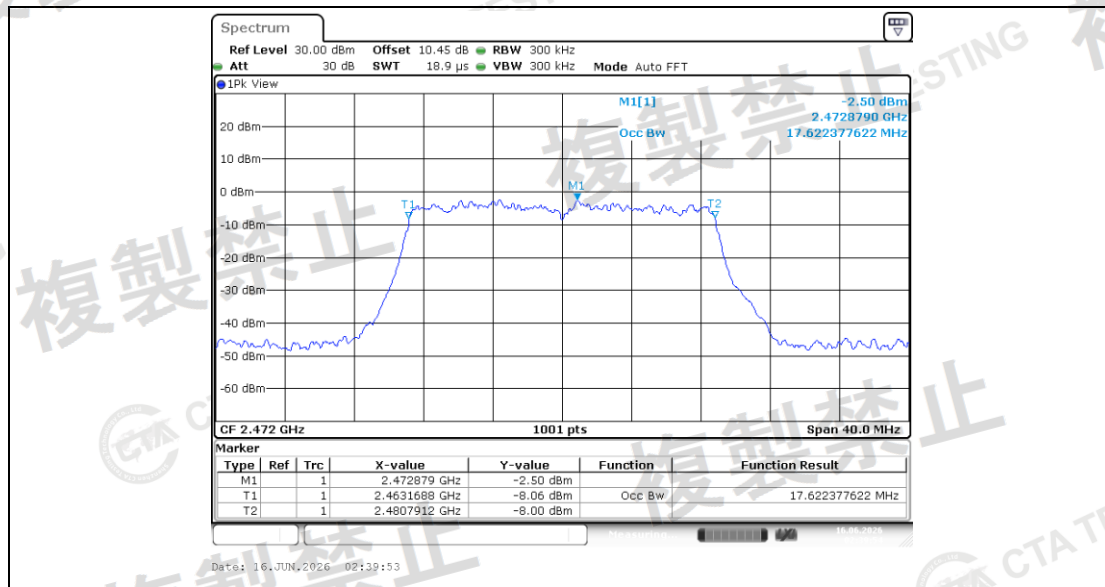
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Appendix C: Spread Bandwidth

Test Result

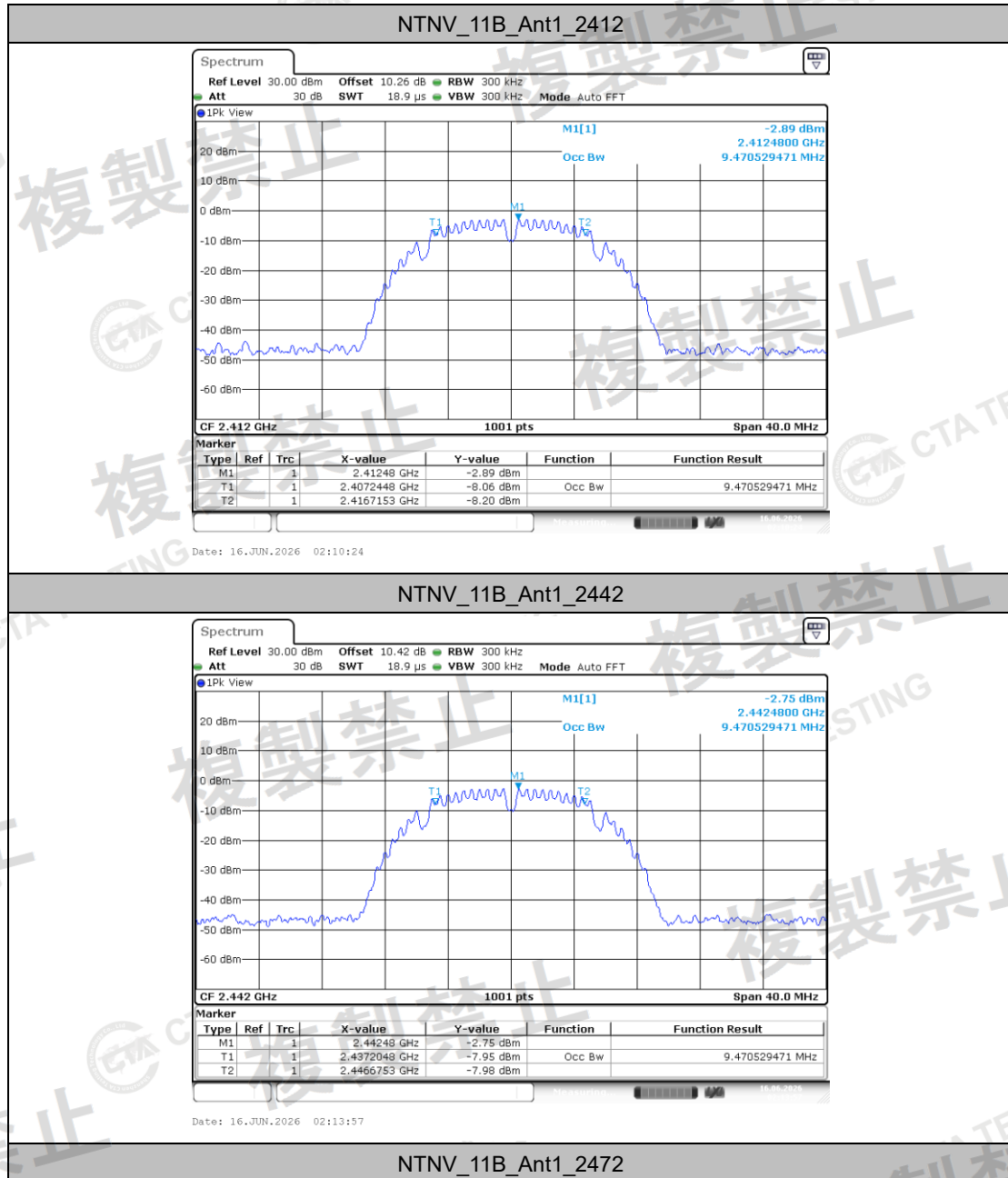
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Spread Factor	Limit	Verdict
NTNV	11B	Ant1	2412	9.471	≥ 0.5	6.888	>5	PASS
			2442	9.471	≥ 0.5	6.888	>5	PASS
			2472	9.471	≥ 0.5	6.888	>5	PASS
	11G	Ant1	2412	13.906	≥ 0.5	---	---	PASS
			2442	13.986	≥ 0.5	---	---	PASS
			2472	14.745	≥ 0.5	---	---	PASS
	11N20SI SO	Ant1	2412	14.905	≥ 0.5	---	---	PASS
			2442	14.945	≥ 0.5	---	---	PASS
			2472	15.904	≥ 0.5	---	---	PASS



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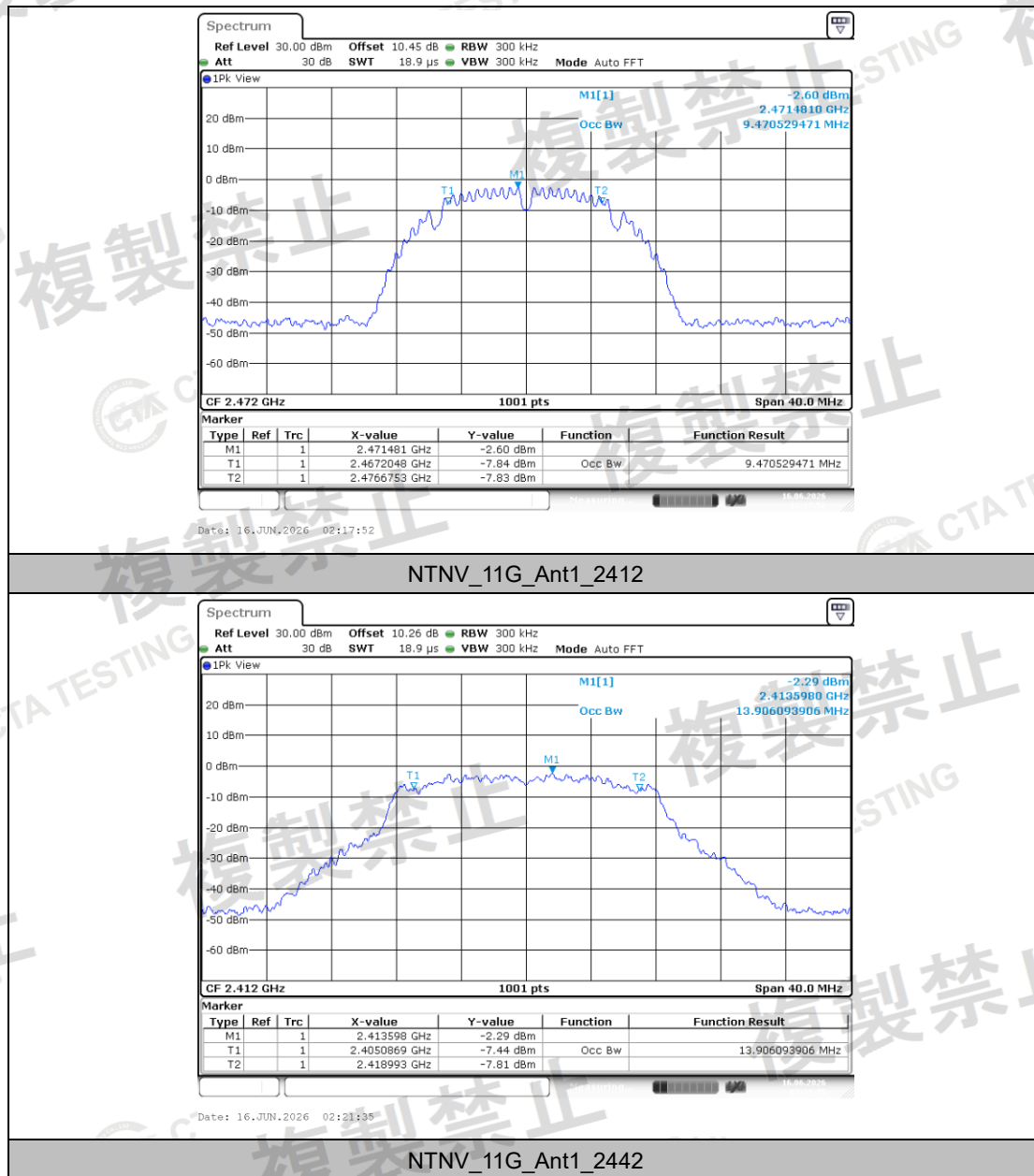
Test Graphs





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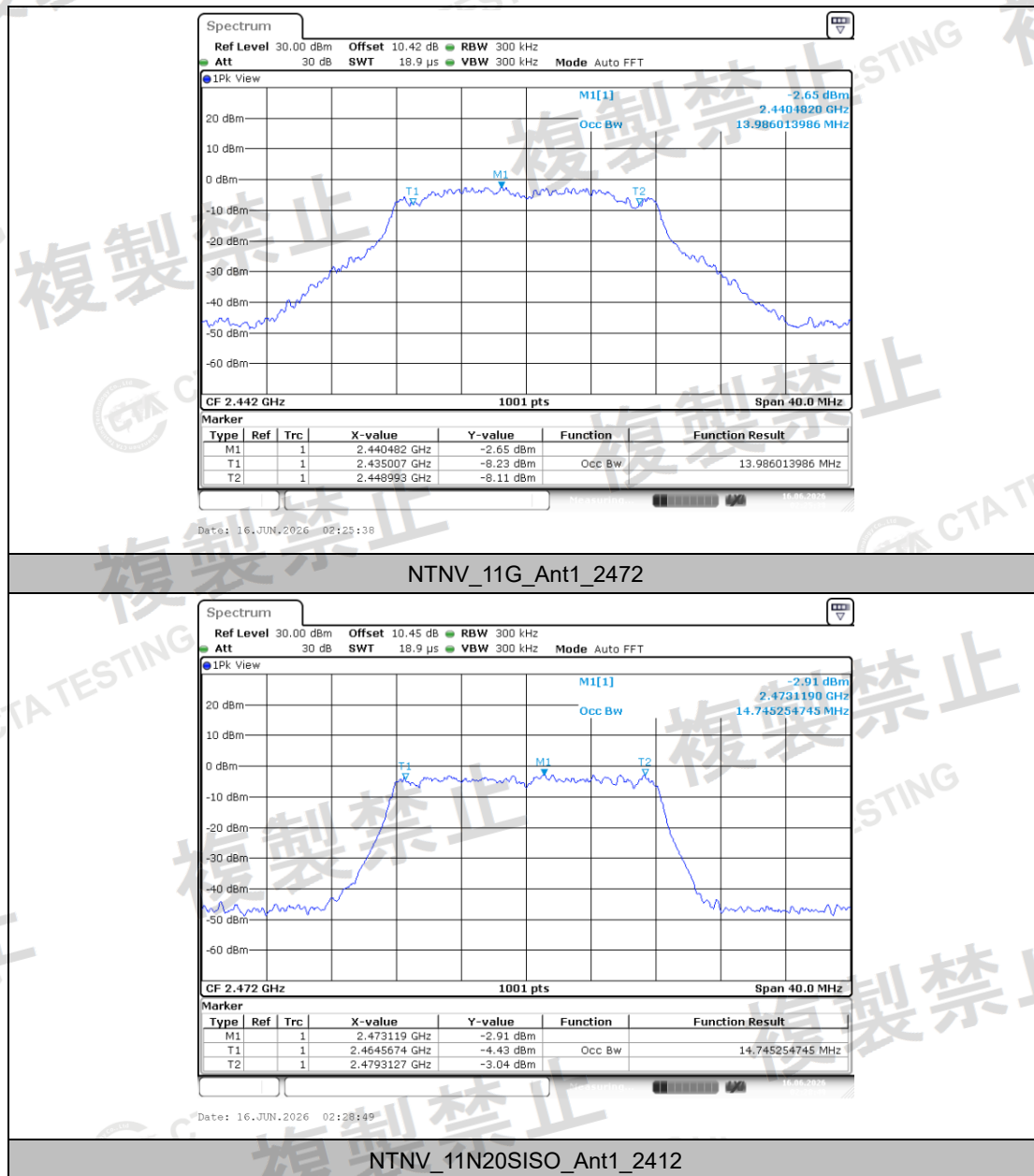
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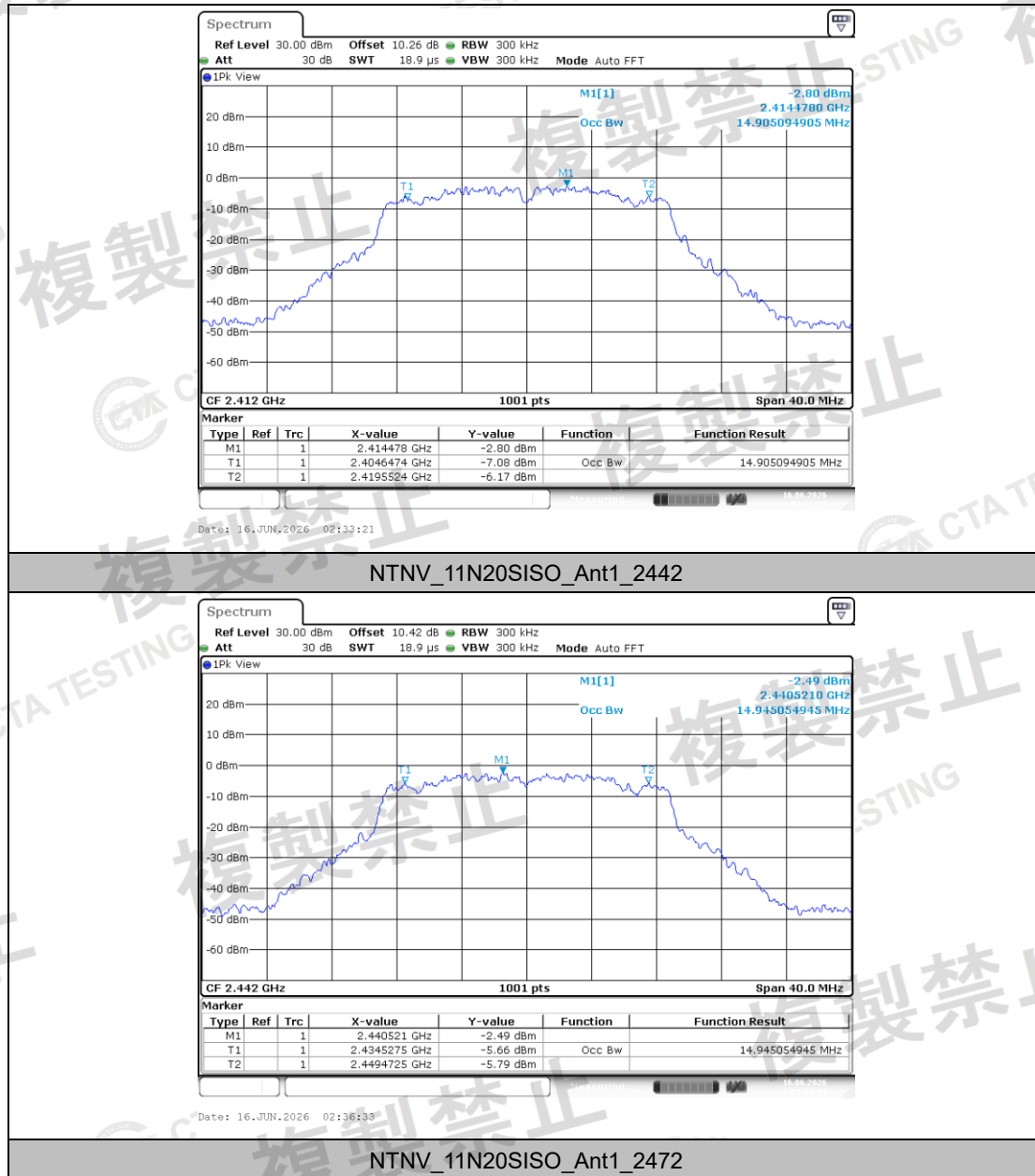
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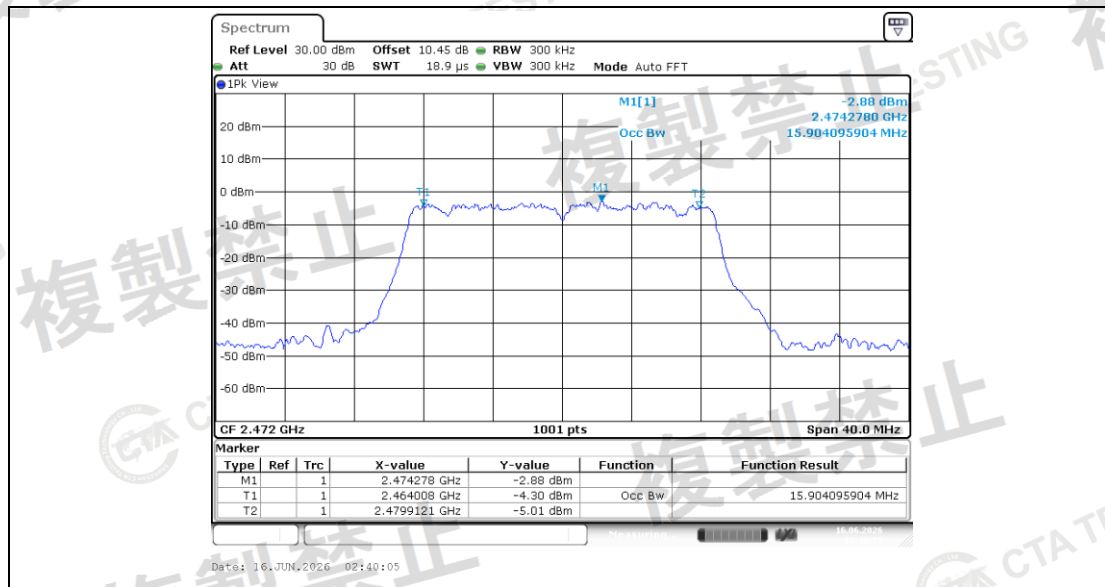
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Appendix D: Spurious Emission of TX

Test Result

TestCondition	TestMode	Antenna	Channel (MHz)	Freq.Range [MHz]	Freq (MHz)	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	11B	Ant1	2412	30~1000	242.92	-54.85	≤-26	0.00327	≤2.5	PASS
				1000~2387	2386.3 1	-52.63	≤-26	0.00546	≤2.5	PASS
				2387~2400	2396.6 6	-42.58	≤-16	0.05521	≤25	PASS
				2483.5~2496.5	2485.0 1	-43.17	≤-16	0.04819	≤25	PASS
				2496.5~13000	6882.2 4	-44.54	≤-26	0.03516	≤2.5	PASS
			2442	30~1000	959.26	-55.00	≤-26	0.00316	≤2.5	PASS
				1000~2387	2020.1 4	-53.50	≤-26	0.00447	≤2.5	PASS
				2387~2400	2398.1 9	-43.51	≤-16	0.04457	≤25	PASS
				2483.5~2496.5	2485.6 0	-43.00	≤-16	0.05012	≤25	PASS
				2496.5~13000	6792.9 6	-43.40	≤-26	0.04571	≤2.5	PASS
		Ant1	2472	30~1000	240.25	-54.13	≤-26	0.00386	≤2.5	PASS
				1000~2387	1705.6 4	-53.39	≤-26	0.00458	≤2.5	PASS
				2387~2400	2398.3 5	-43.91	≤-16	0.04064	≤25	PASS
				2483.5~2496.5	2487.4 3	-41.65	≤-16	0.06839	≤25	PASS
				2496.5~13000	6961.5 4	-43.60	≤-26	0.04365	≤2.5	PASS
	11G	Ant1	2412	30~1000	240.73	-54.90	≤-26	0.00324	≤2.5	PASS
				1000~2387	2385.6 1	-53.19	≤-26	0.00480	≤2.5	PASS
				2387~2400	2399.9 1	-20.19	≤-16	9.57194	≤25	PASS
				2483.5~2496.5	2484.0 0	-43.31	≤-16	0.04667	≤25	PASS
				2496.5~13000	6974.6	-44.02	≤-26	0.03963	≤2.5	PASS



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			2442		7					
				30~1000	227.88	-54.75	≤-26	0.00335	≤2.5	PASS
				1000~2387	2368.28	-53.14	≤-26	0.00485	≤2.5	PASS
				2387~2400	2395.13	-43.66	≤-16	0.04305	≤25	PASS
				2483.5~2496.5	2486.23	-43.40	≤-16	0.04571	≤25	PASS
			2496.5~13000	6846.00	-44.18	≤-26	0.03819	≤2.5	PASS	
			2472	30~1000	924.58	-55.14	≤-26	0.00306	≤2.5	PASS
				1000~2387	1821.10	-53.78	≤-26	0.00419	≤2.5	PASS
				2387~2400	2392.45	-44.20	≤-16	0.03802	≤25	PASS
				2483.5~2496.5	2483.53	-26.65	≤-16	2.16272	≤25	PASS
				2496.5~13000	6992.00	-43.85	≤-26	0.04121	≤2.5	PASS
	11N20SI SO	Ant1	2412	30~1000	996.12	-55.01	≤-26	0.00316	≤2.5	PASS
				1000~2387	2383.19	-52.33	≤-26	0.00585	≤2.5	PASS
				2387~2400	2399.98	-18.18	≤-16	15.20548	≤25	See table below
				2483.5~2496.5	2492.34	-43.77	≤-16	0.04198	≤25	PASS
				2496.5~13000	6931.08	-43.60	≤-26	0.04365	≤2.5	PASS
			2442	30~1000	922.40	-54.59	≤-26	0.00348	≤2.5	PASS
				1000~2387	2366.54	-53.75	≤-26	0.00422	≤2.5	PASS
				2387~2400	2399.22	-43.31	≤-16	0.04667	≤25	PASS
				2483.5~2496.5	2484.10	-43.02	≤-16	0.04989	≤25	PASS
				2496.5~13000	6884.34	-43.74	≤-26	0.04227	≤2.5	PASS
			2472	30~1000	953.68	-54.50	≤-26	0.00355	≤2.5	PASS
				1000~2387	1813.82	-53.69	≤-26	0.00428	≤2.5	PASS



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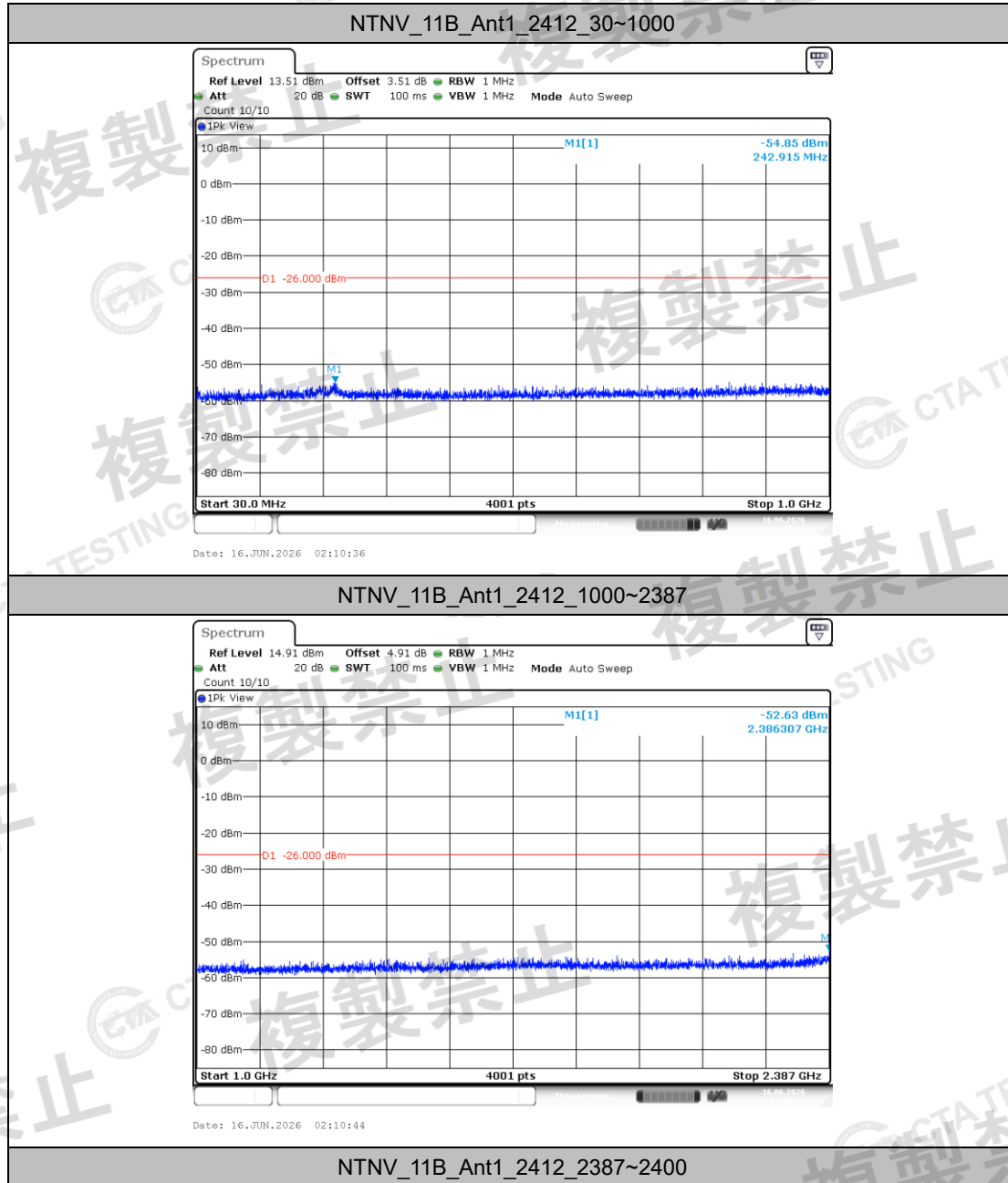
				2387~2400	2388.3 1	-44.24	≤-16	0.03767	≤25	PASS
				2483.5~2496.5	2483.5 1	-26.72	≤-16	2.12814	≤25	PASS
				2496.5~13000	6950.5 1	-43.20	≤-26	0.04786	≤2.5	PASS



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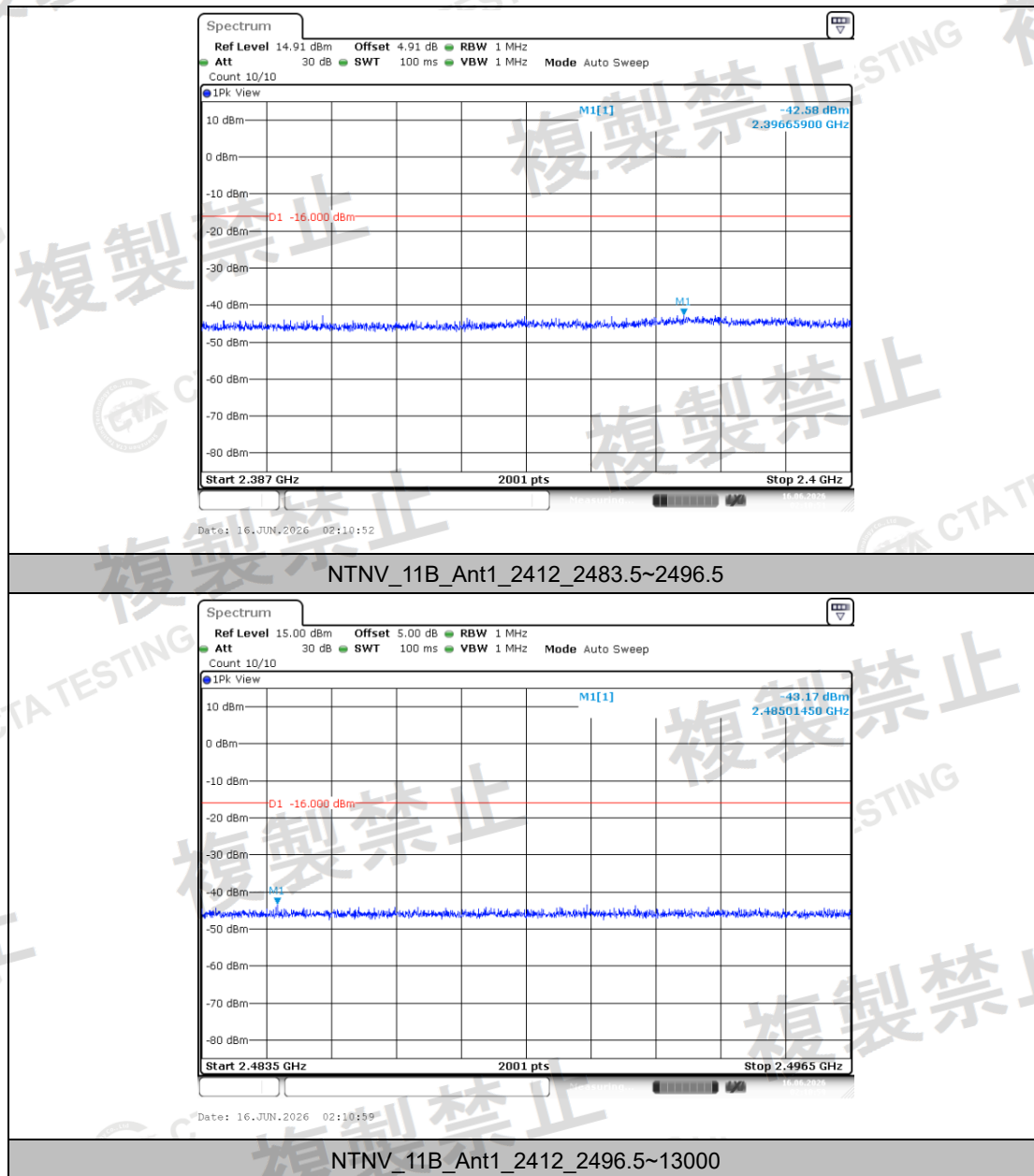
Test Graphs





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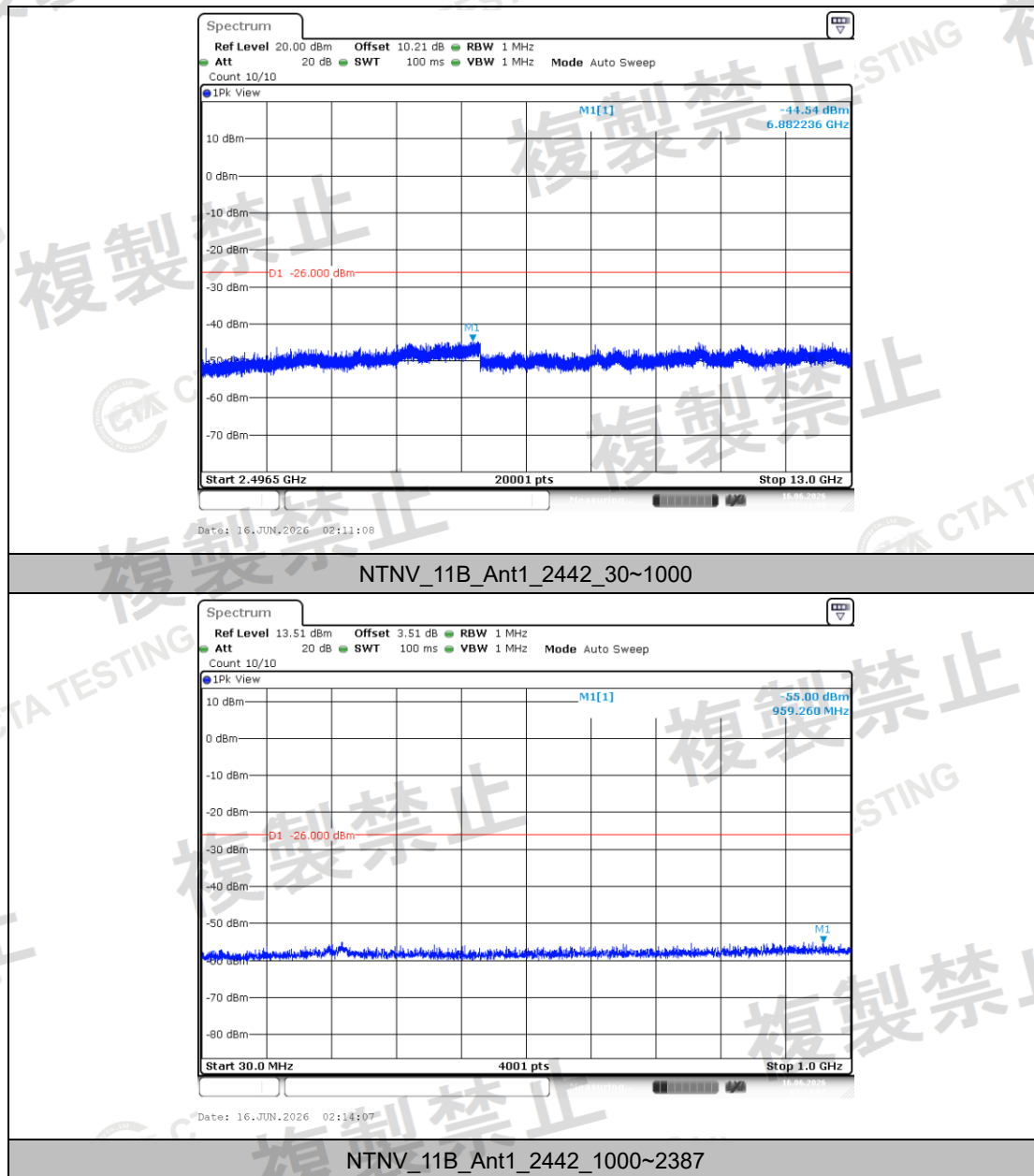
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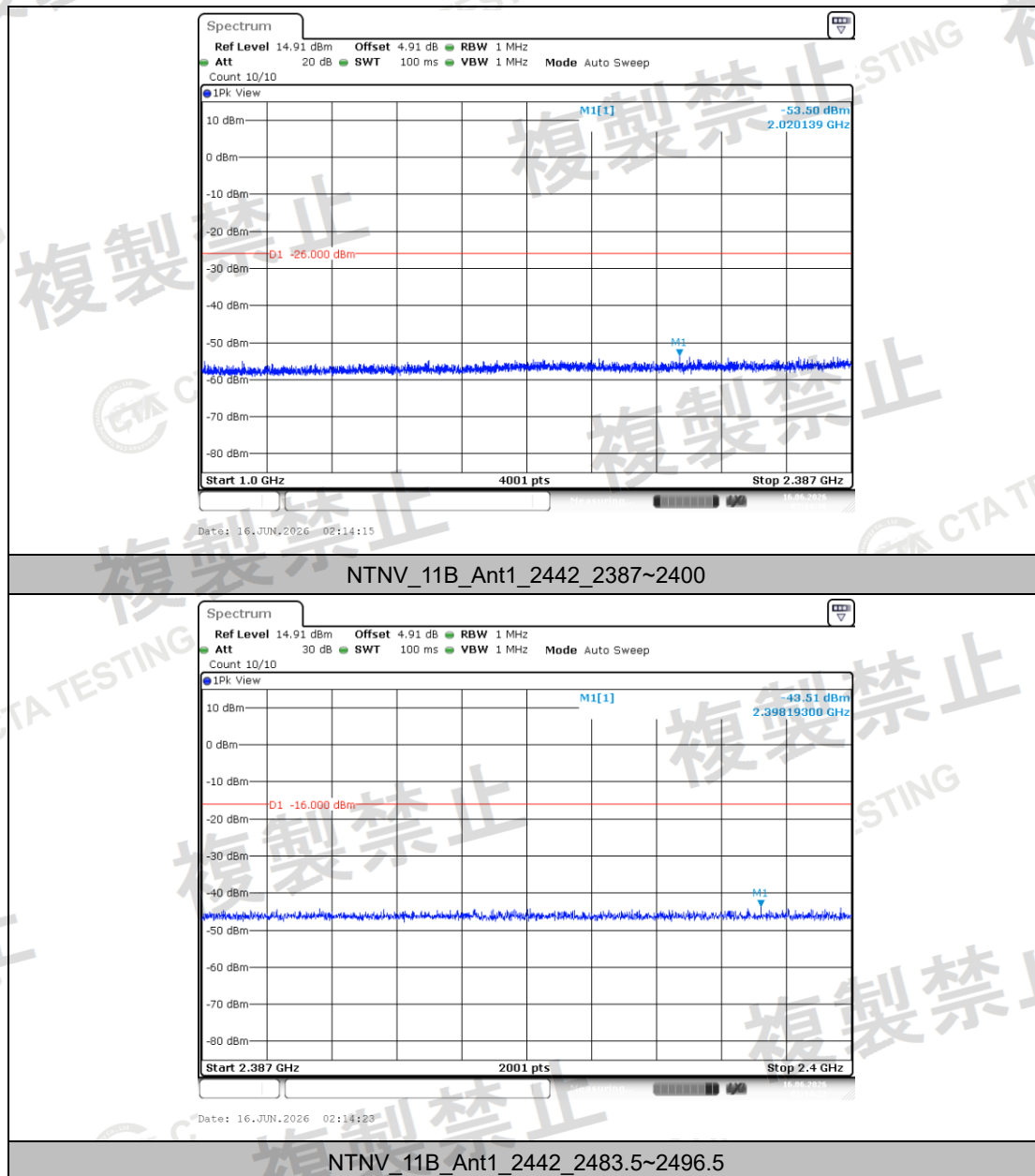
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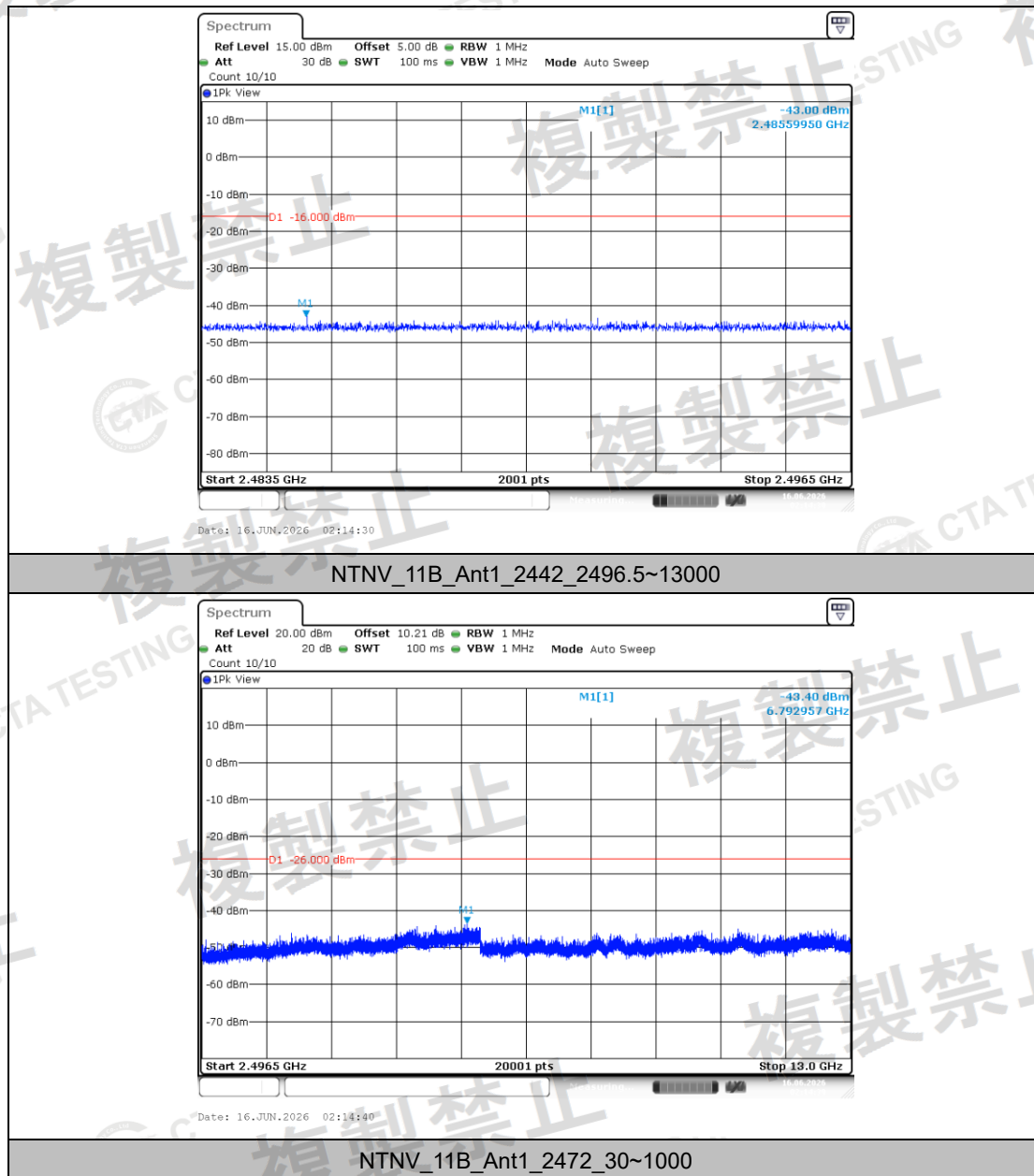
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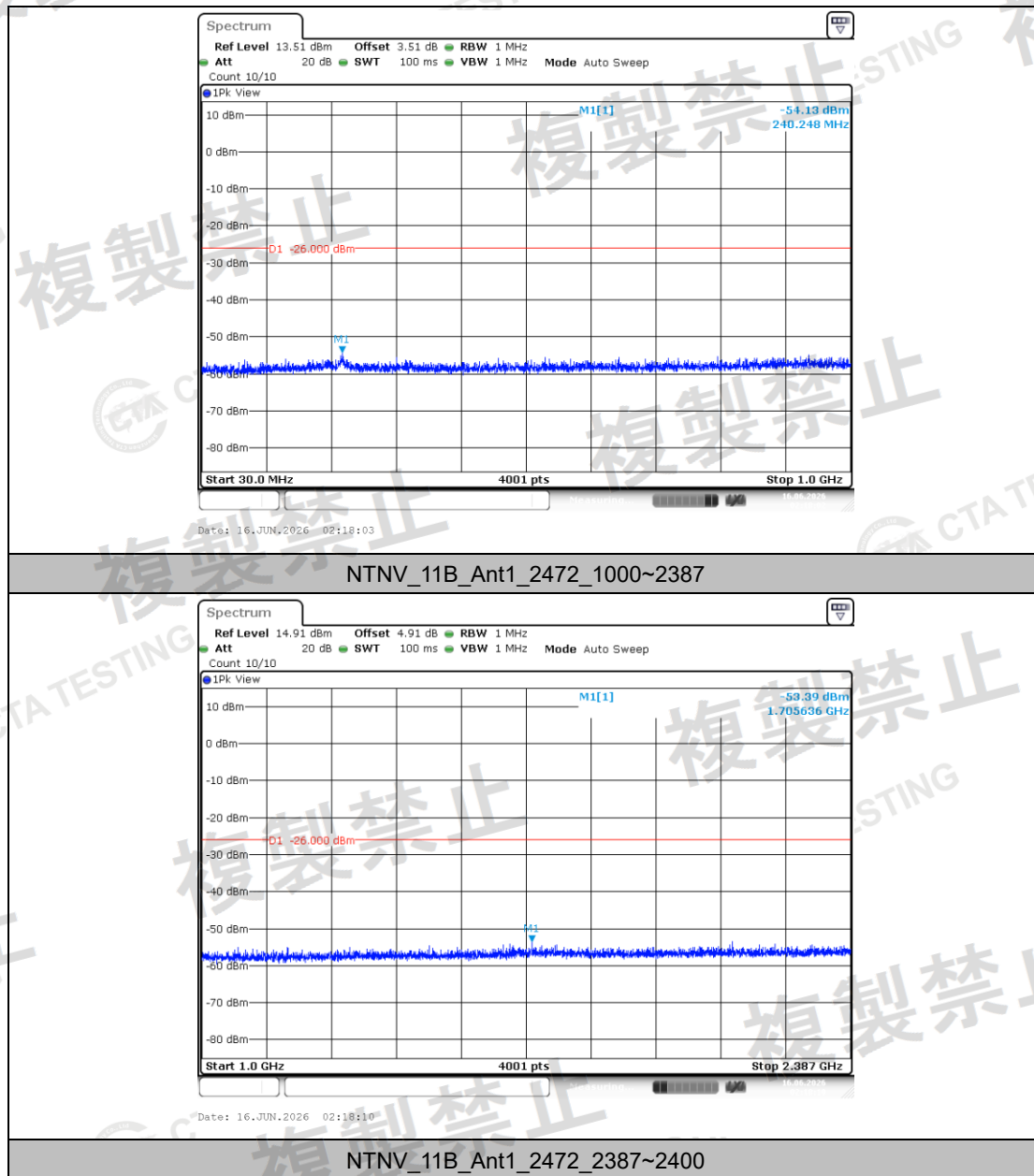
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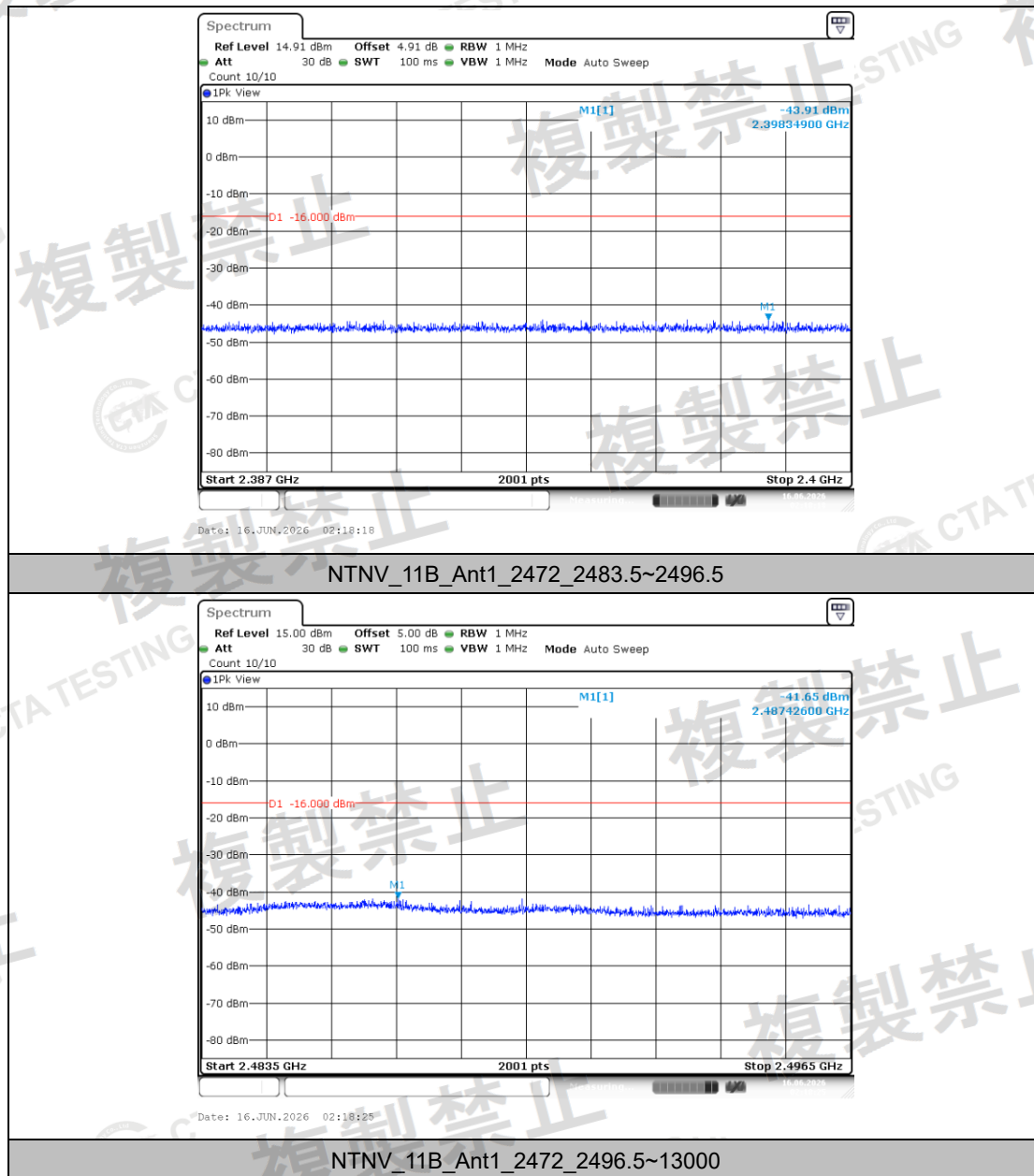
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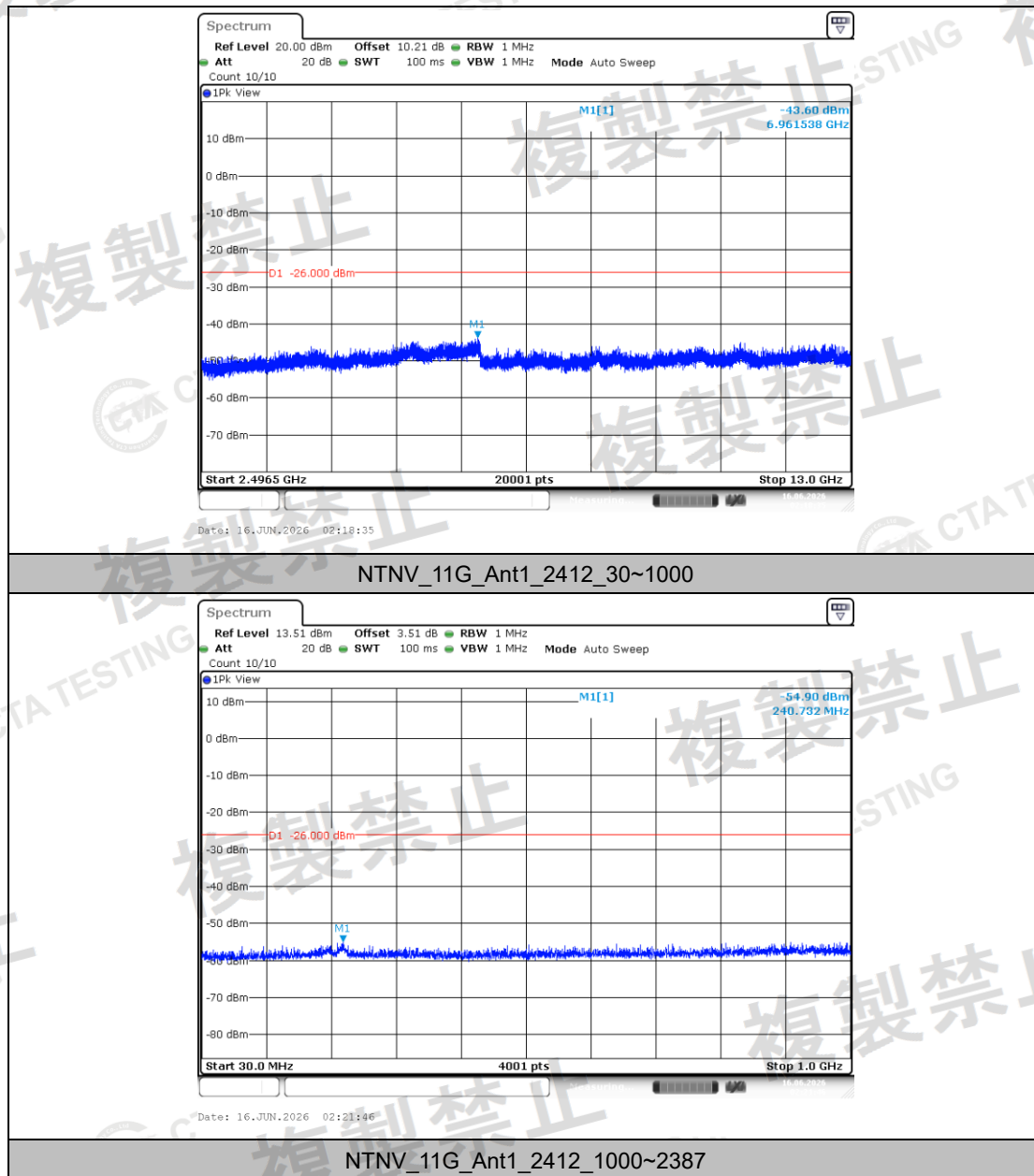
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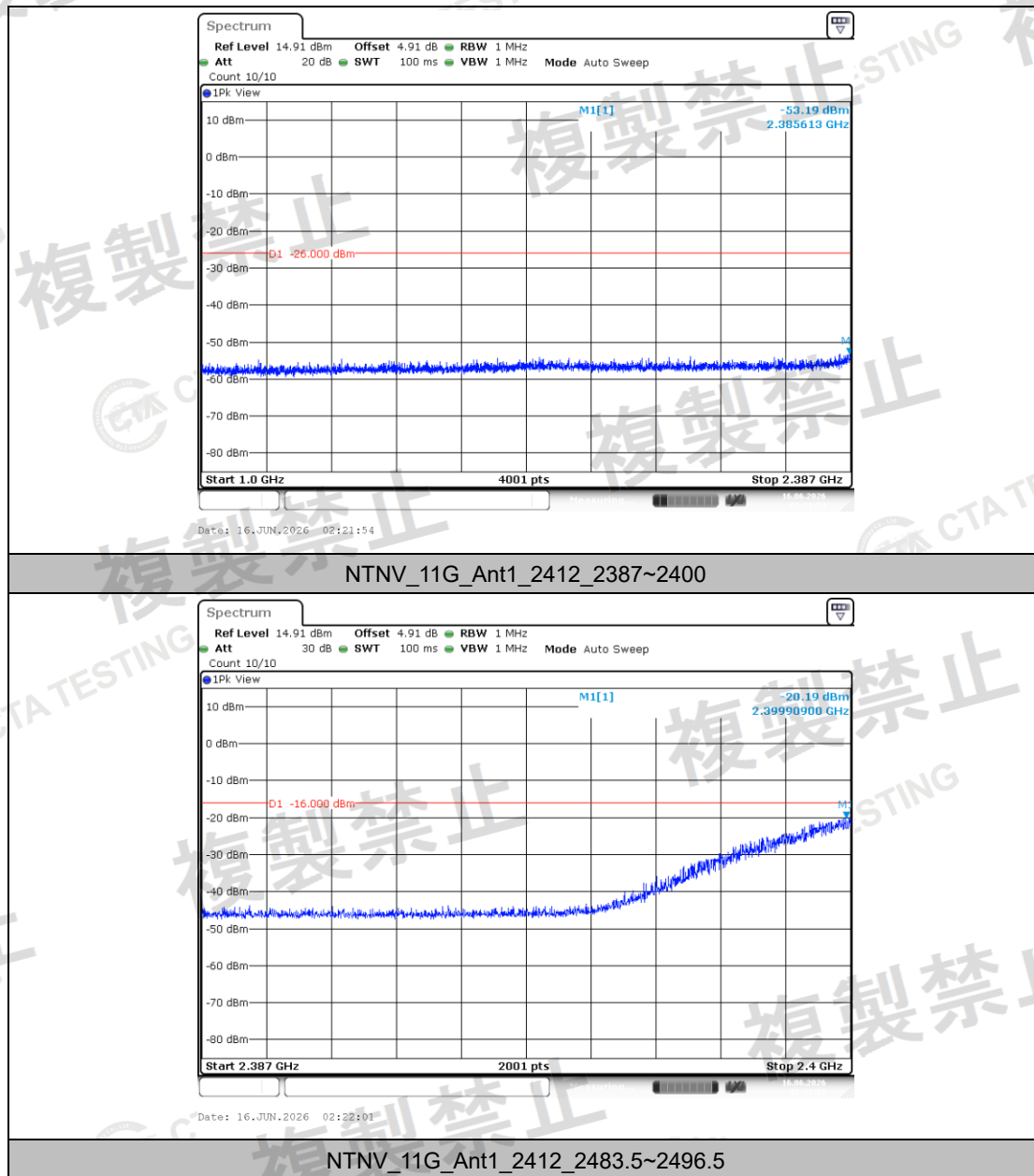
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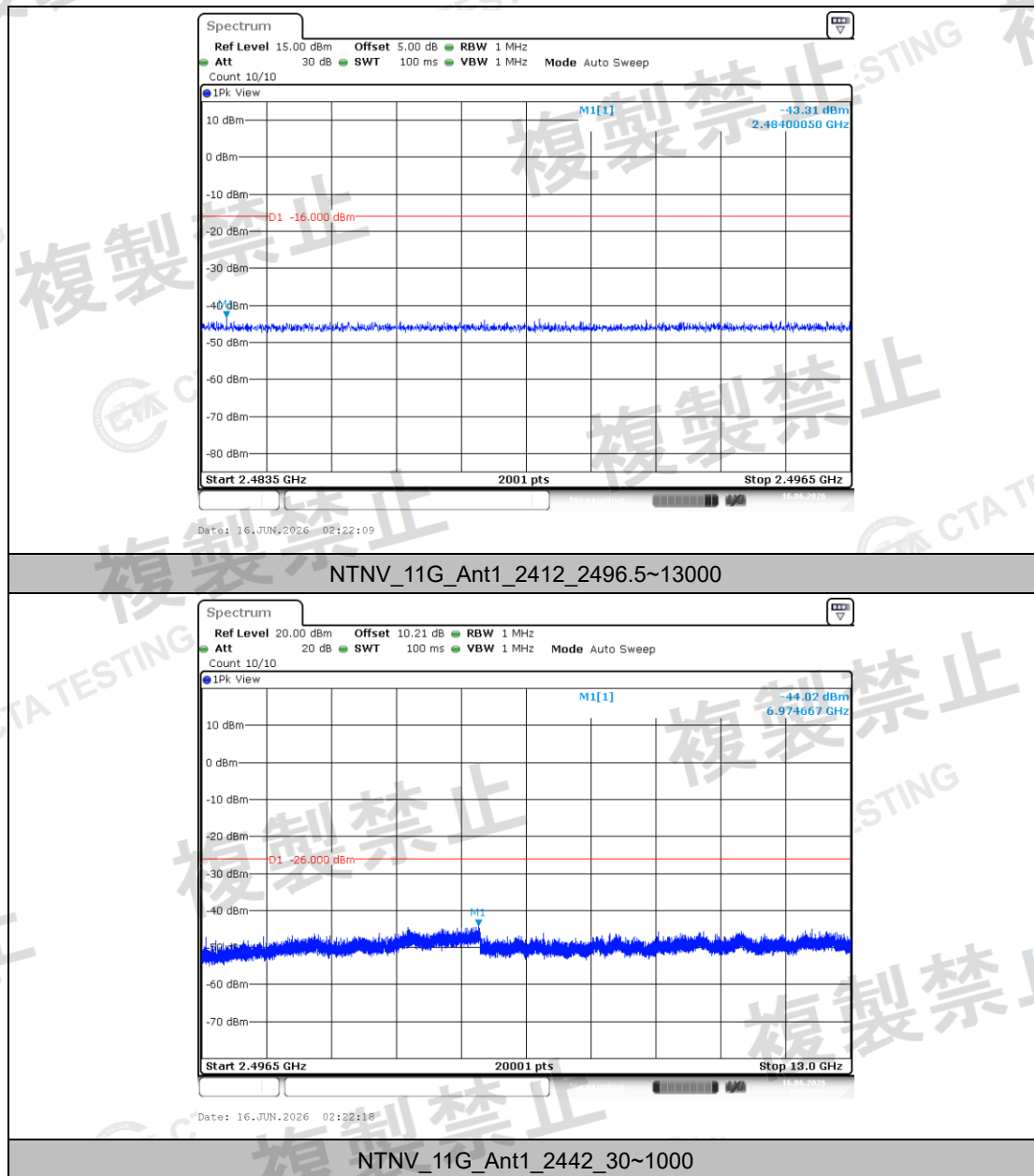
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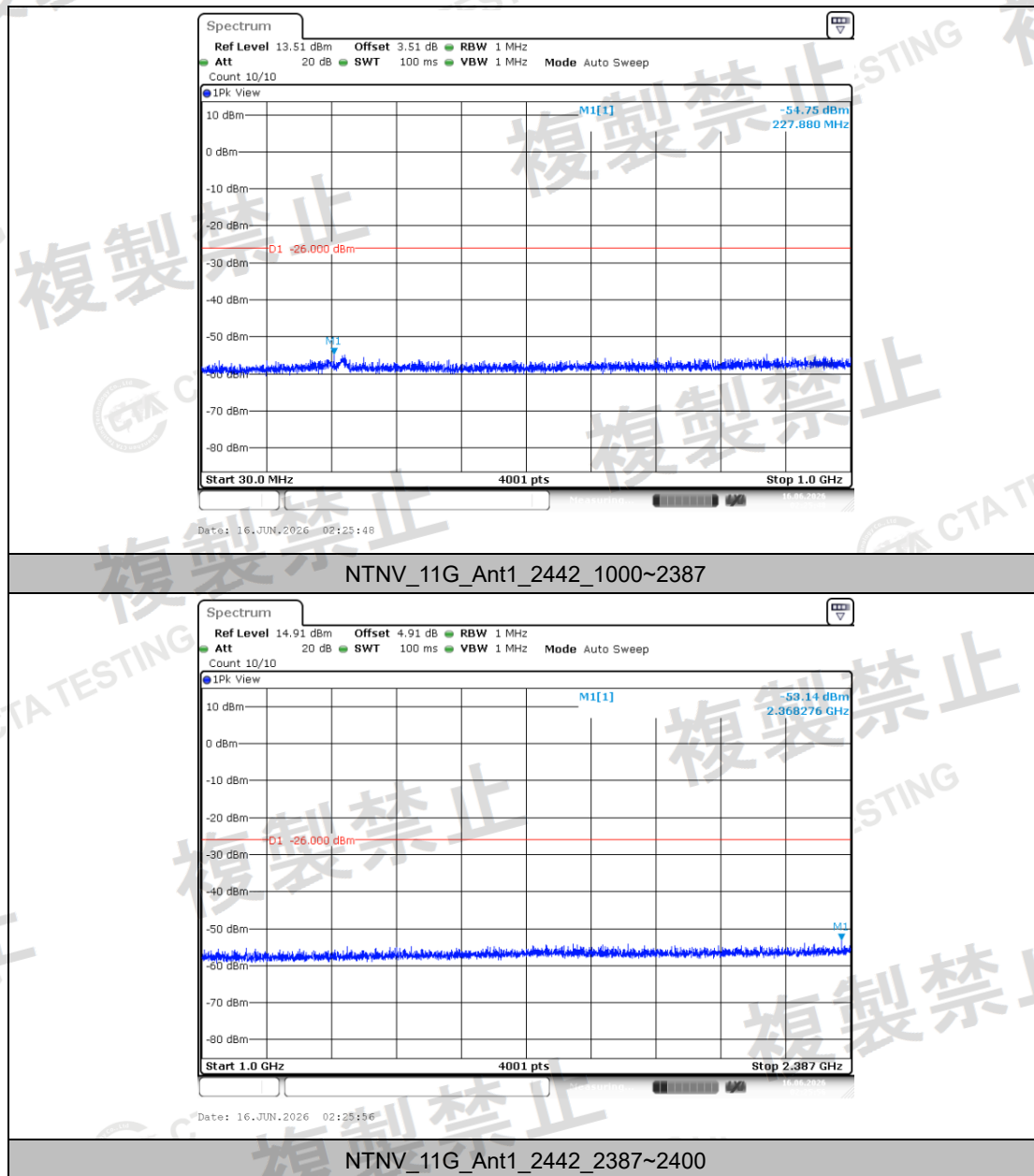
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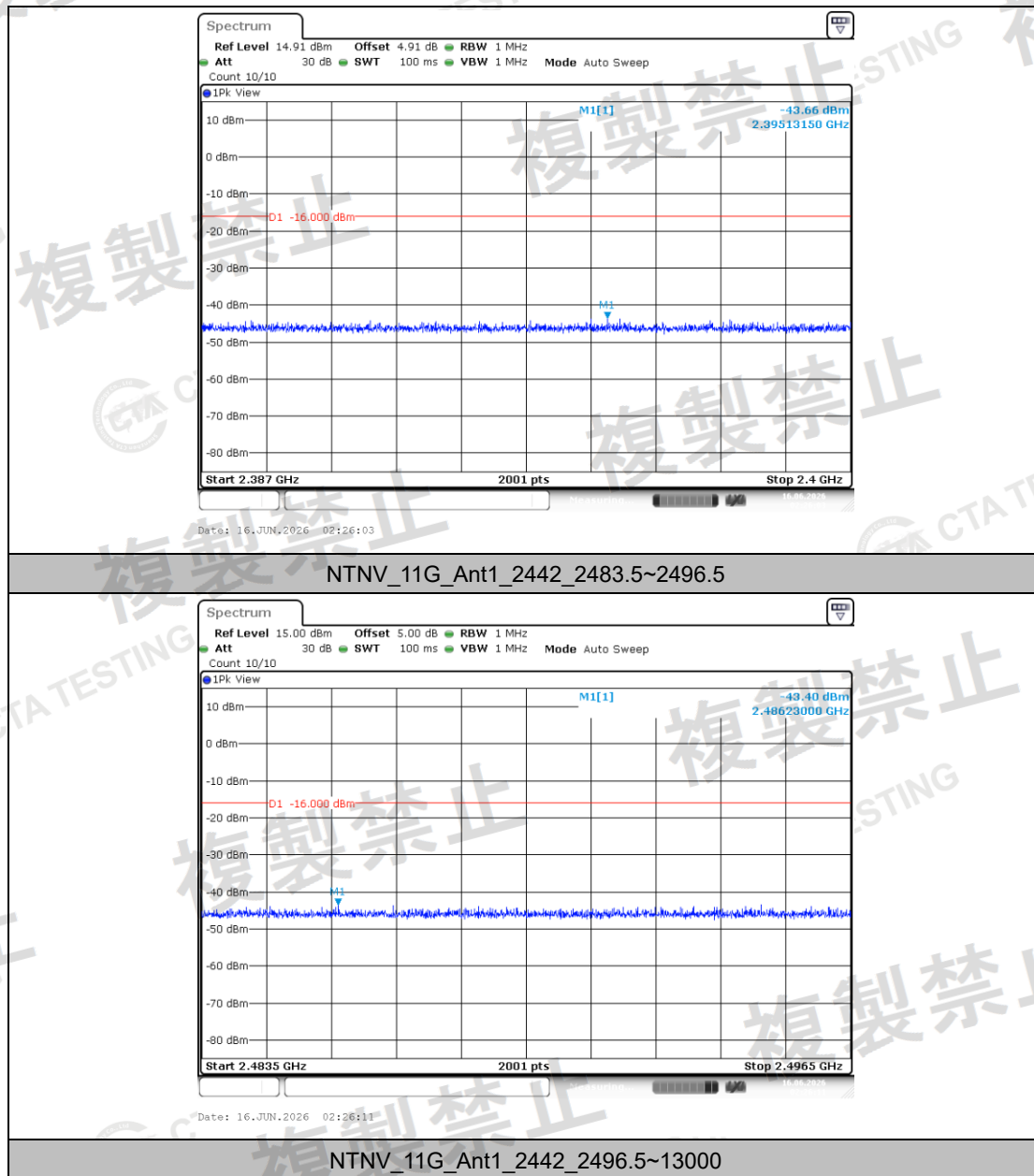
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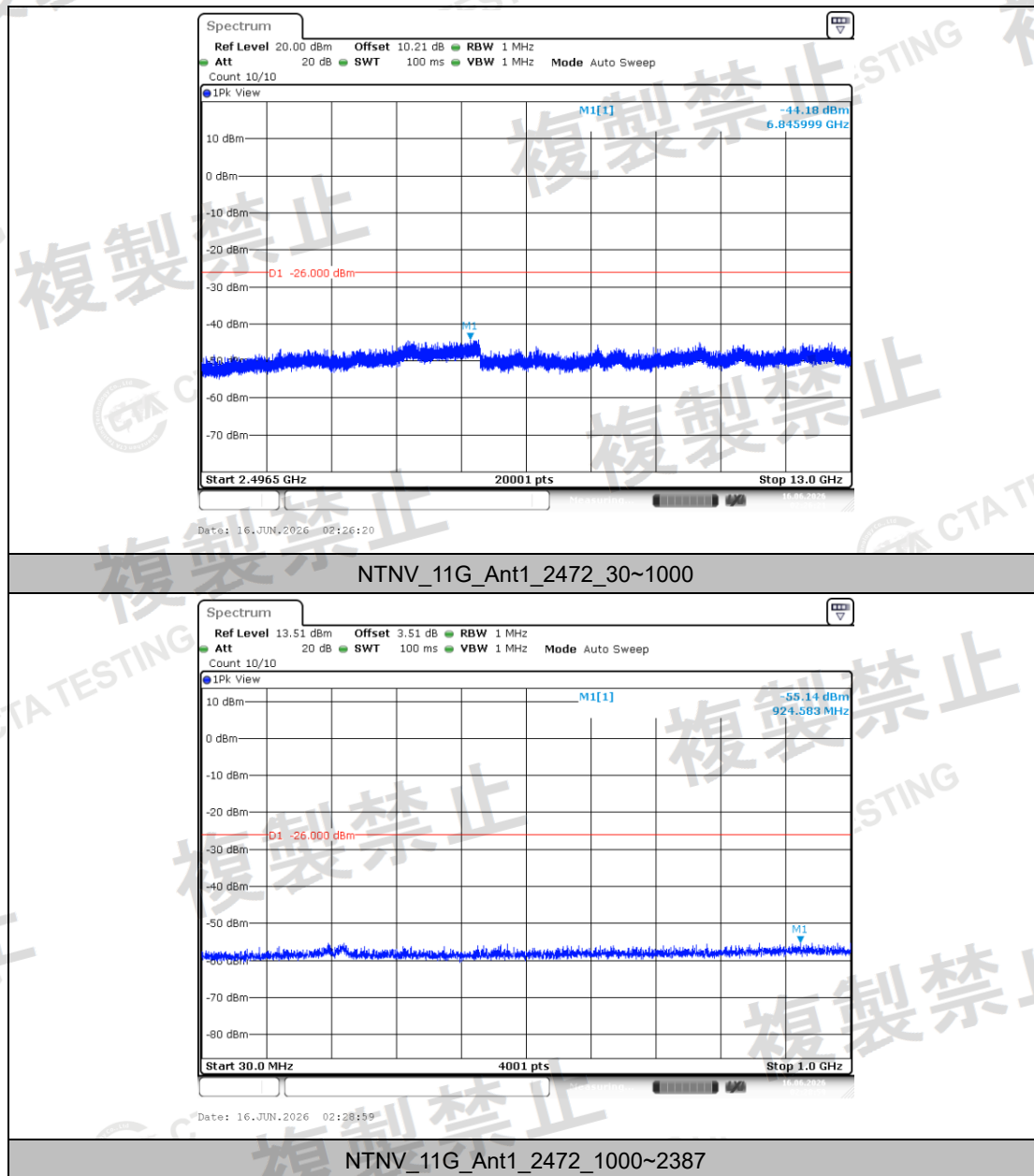
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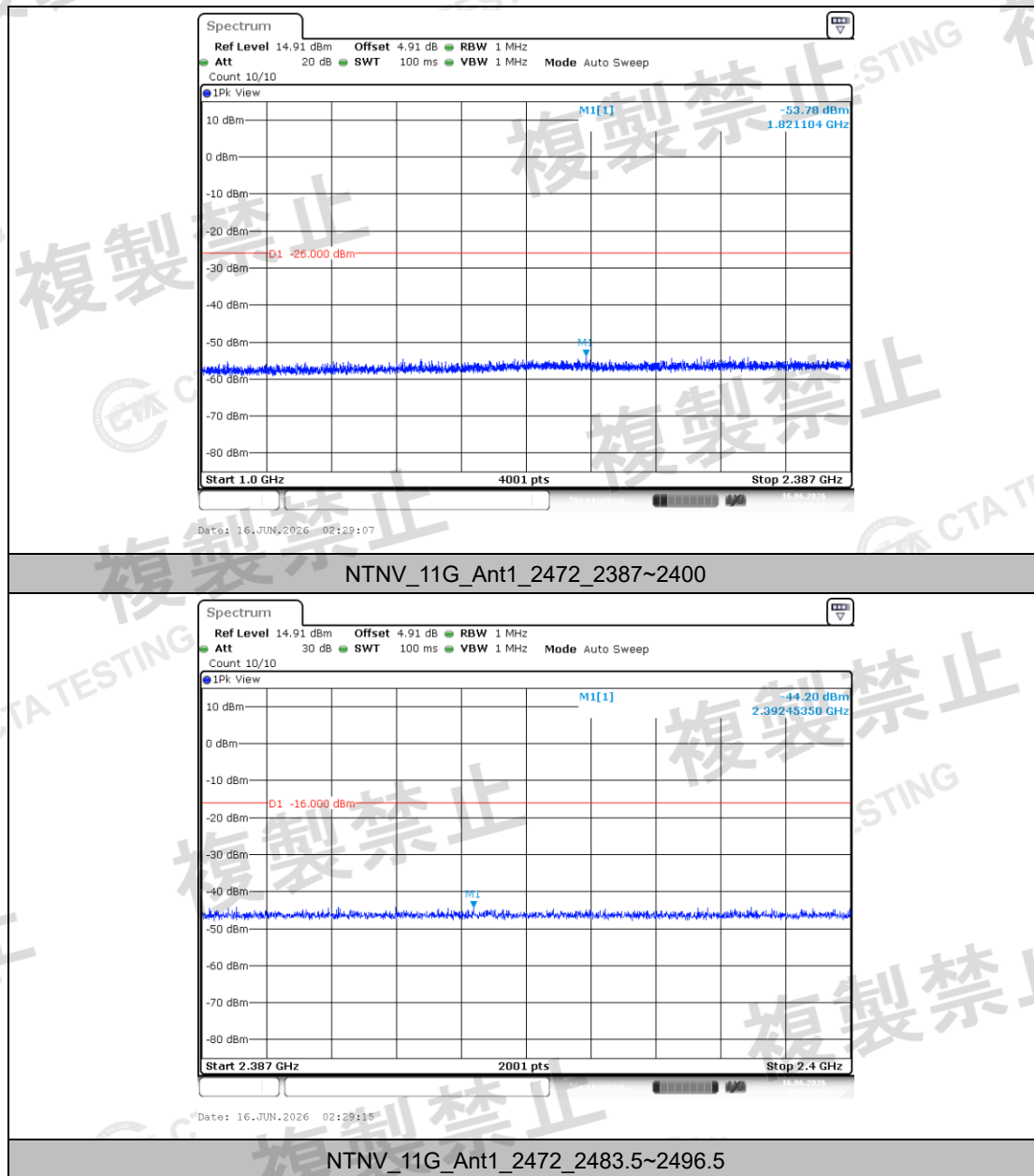
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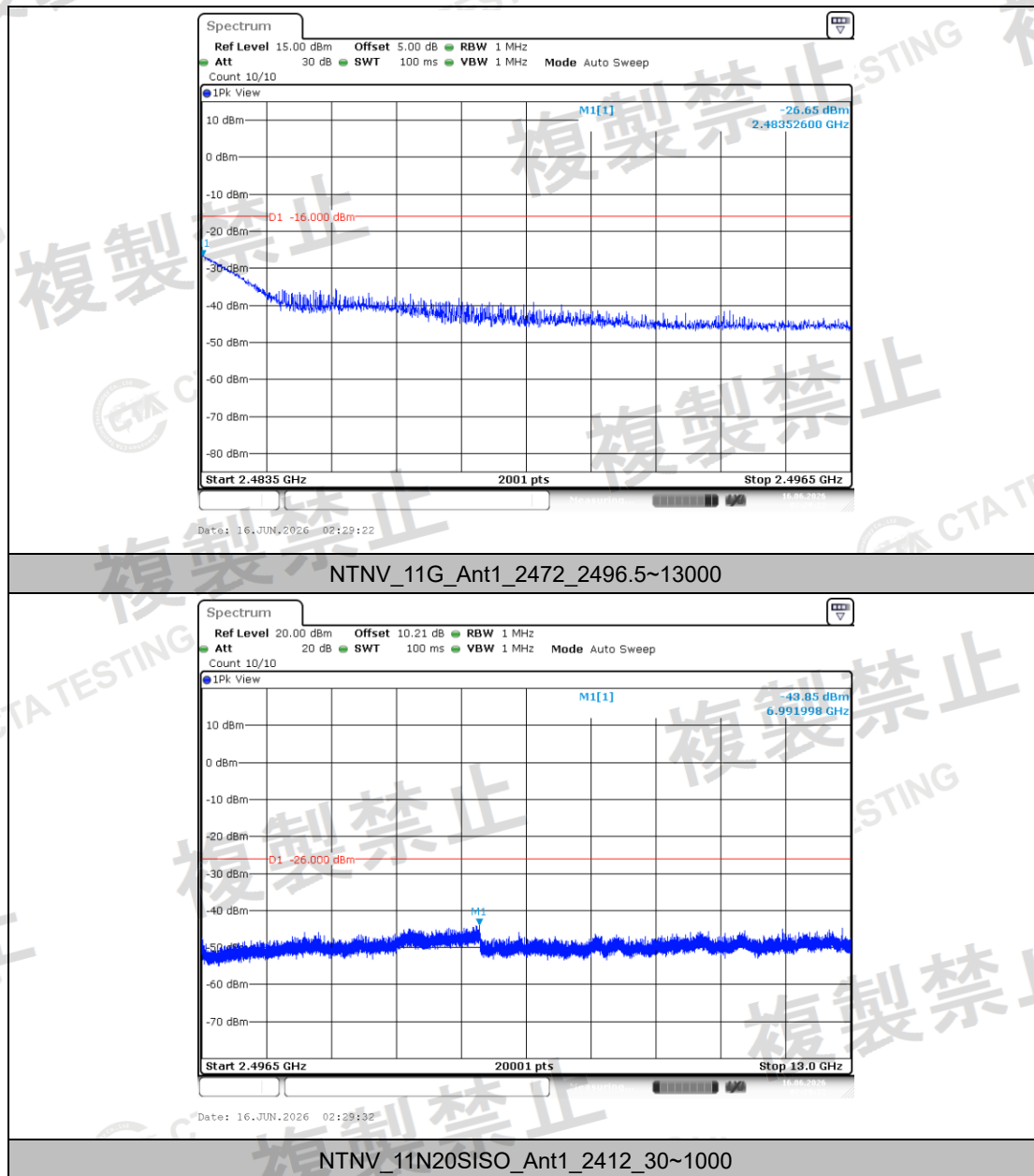
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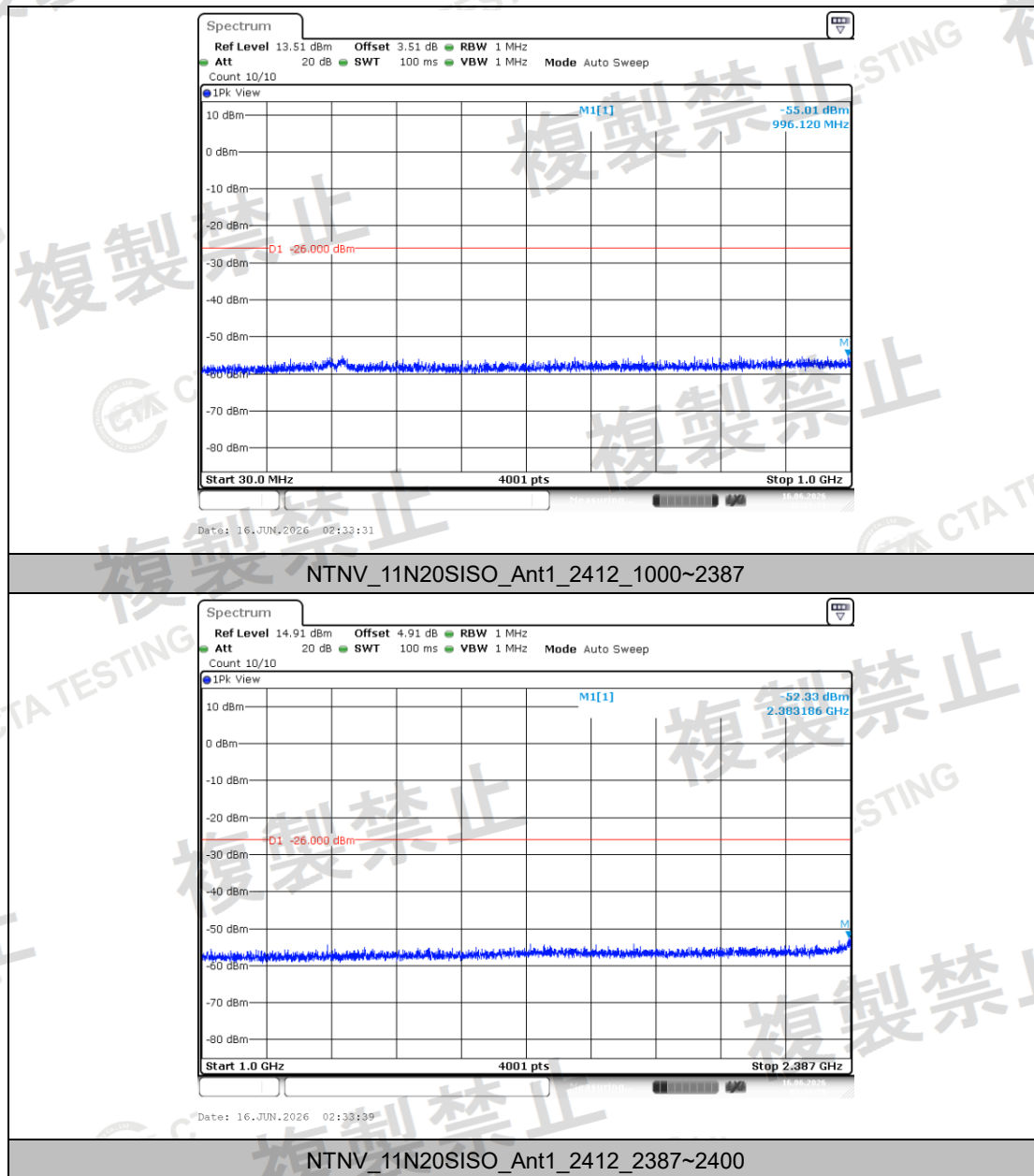
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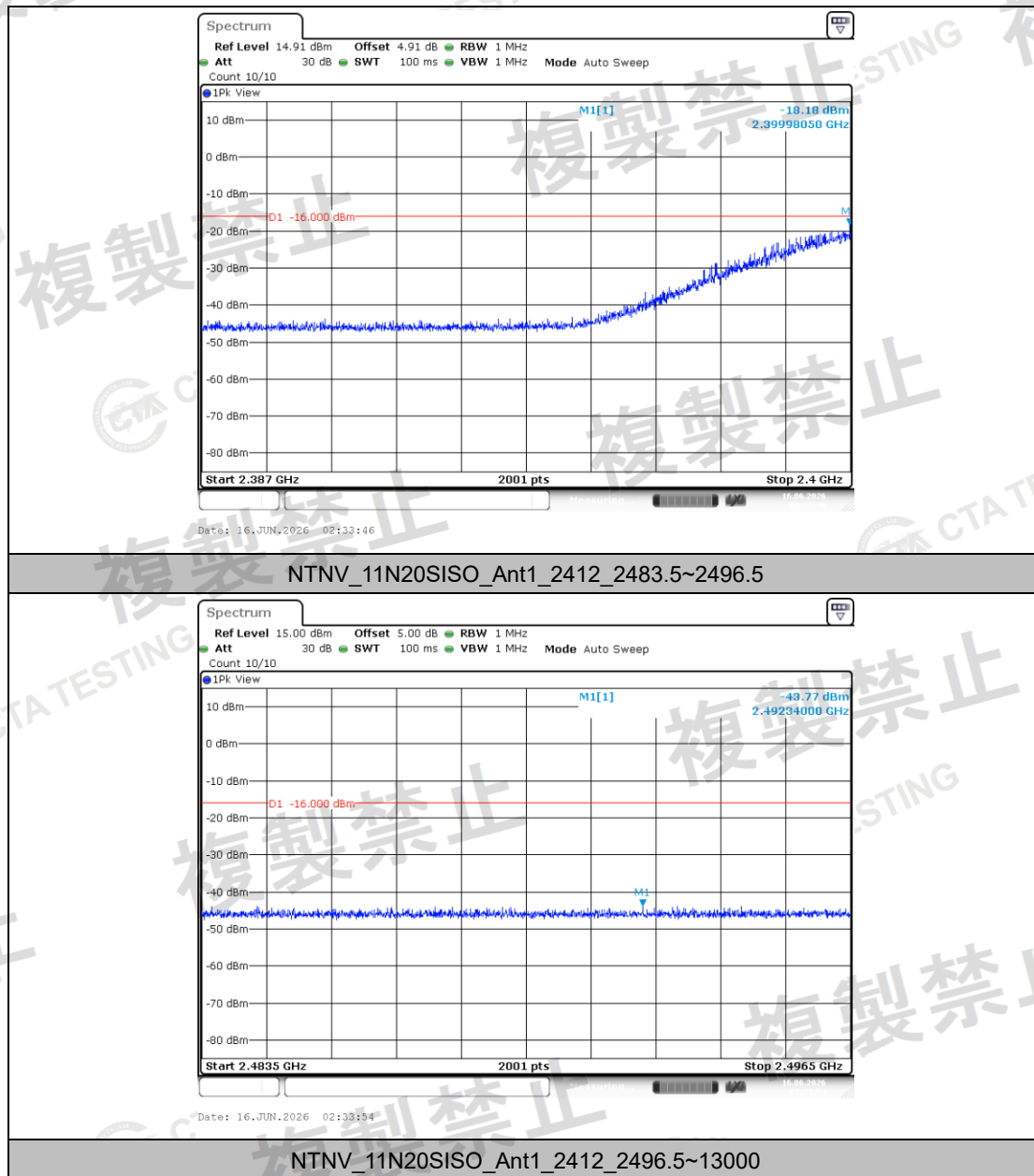
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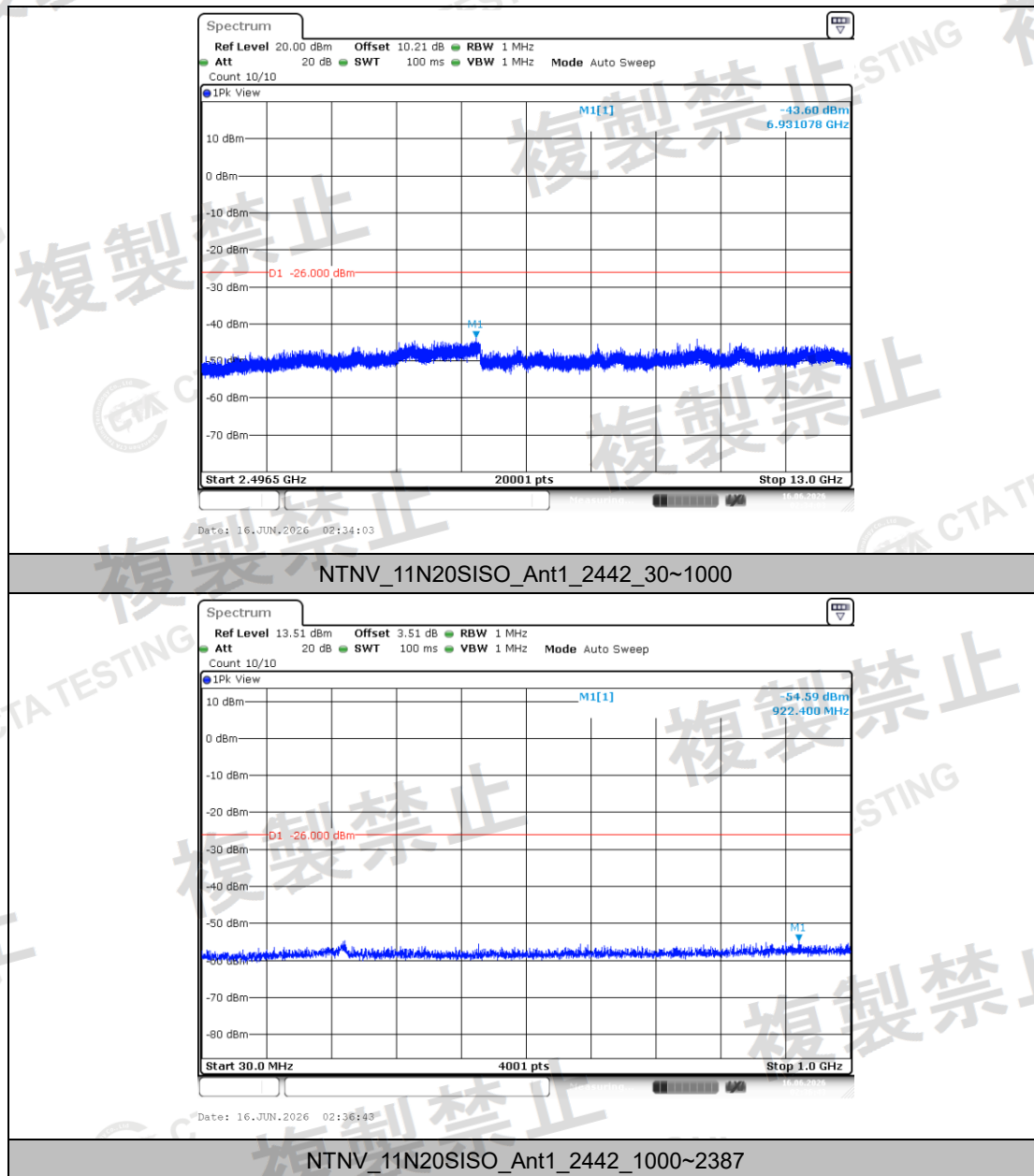
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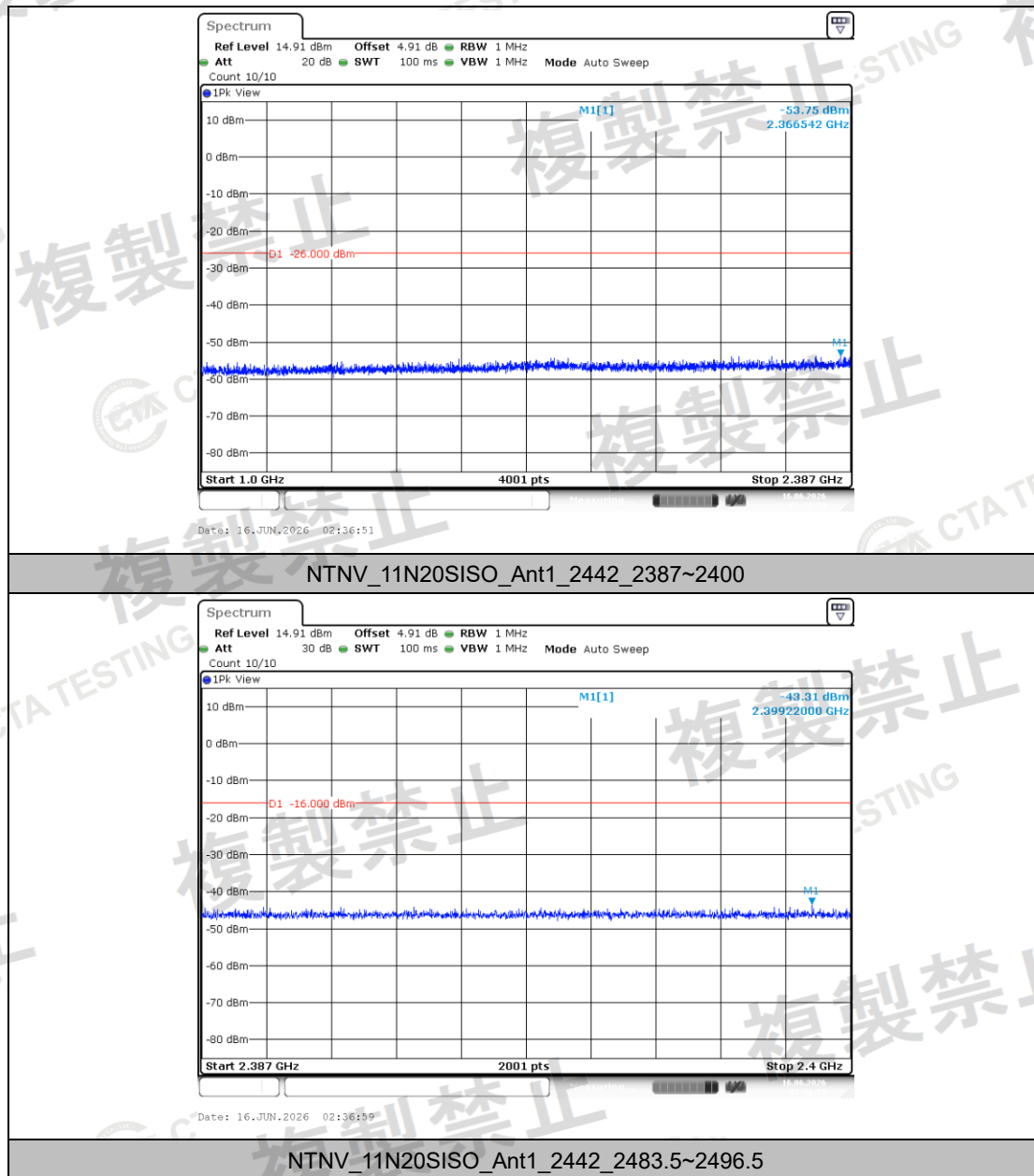
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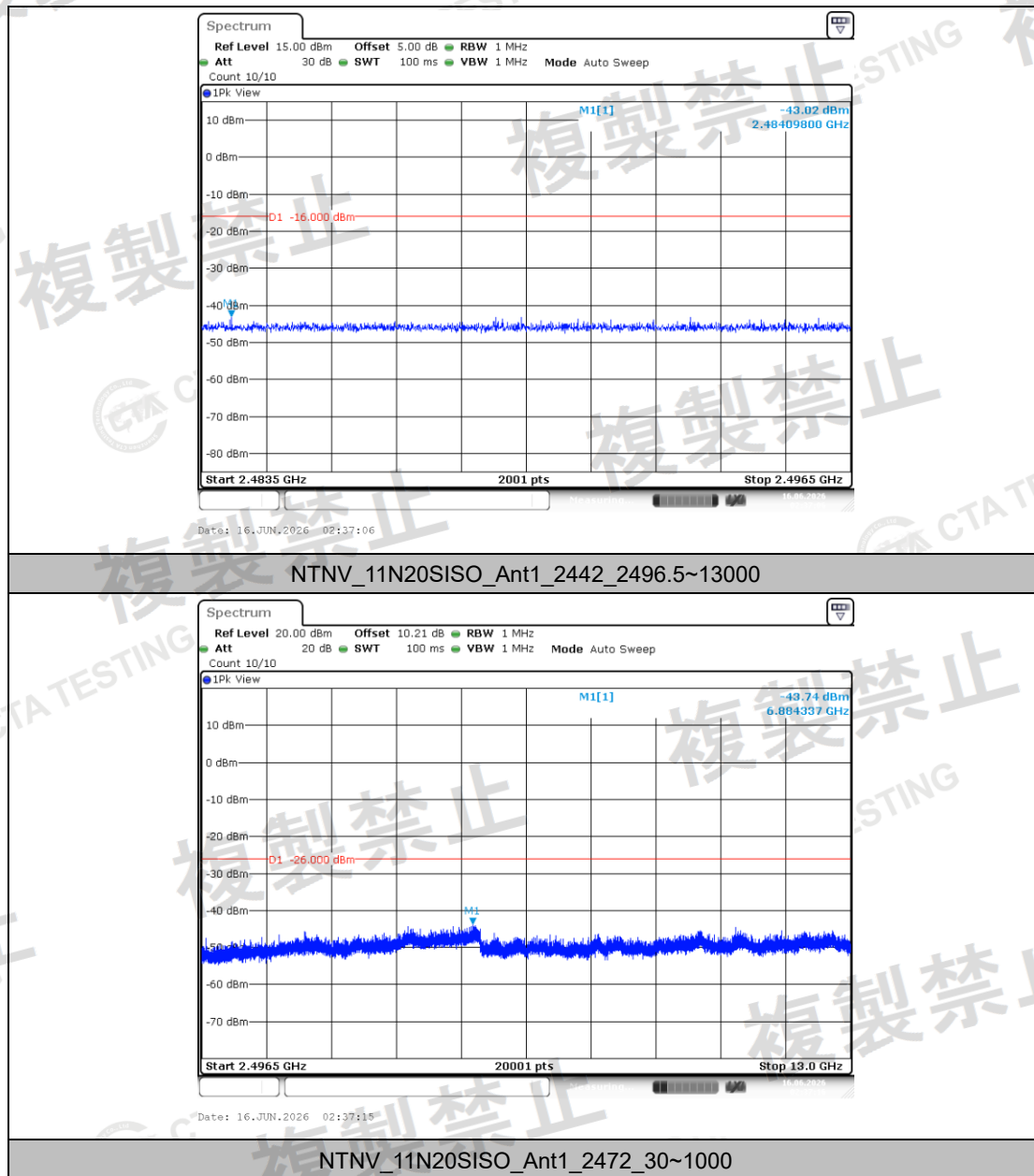
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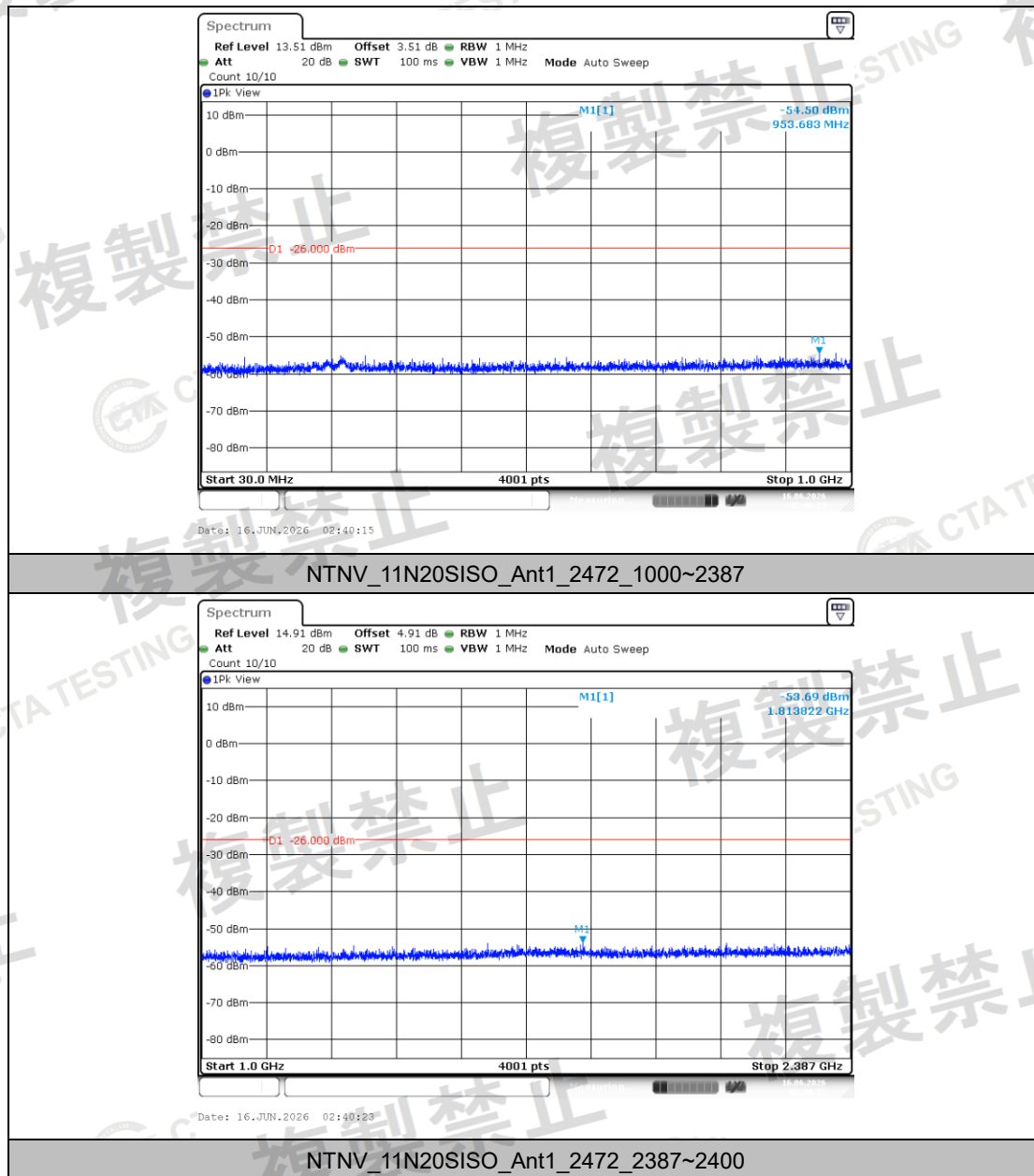
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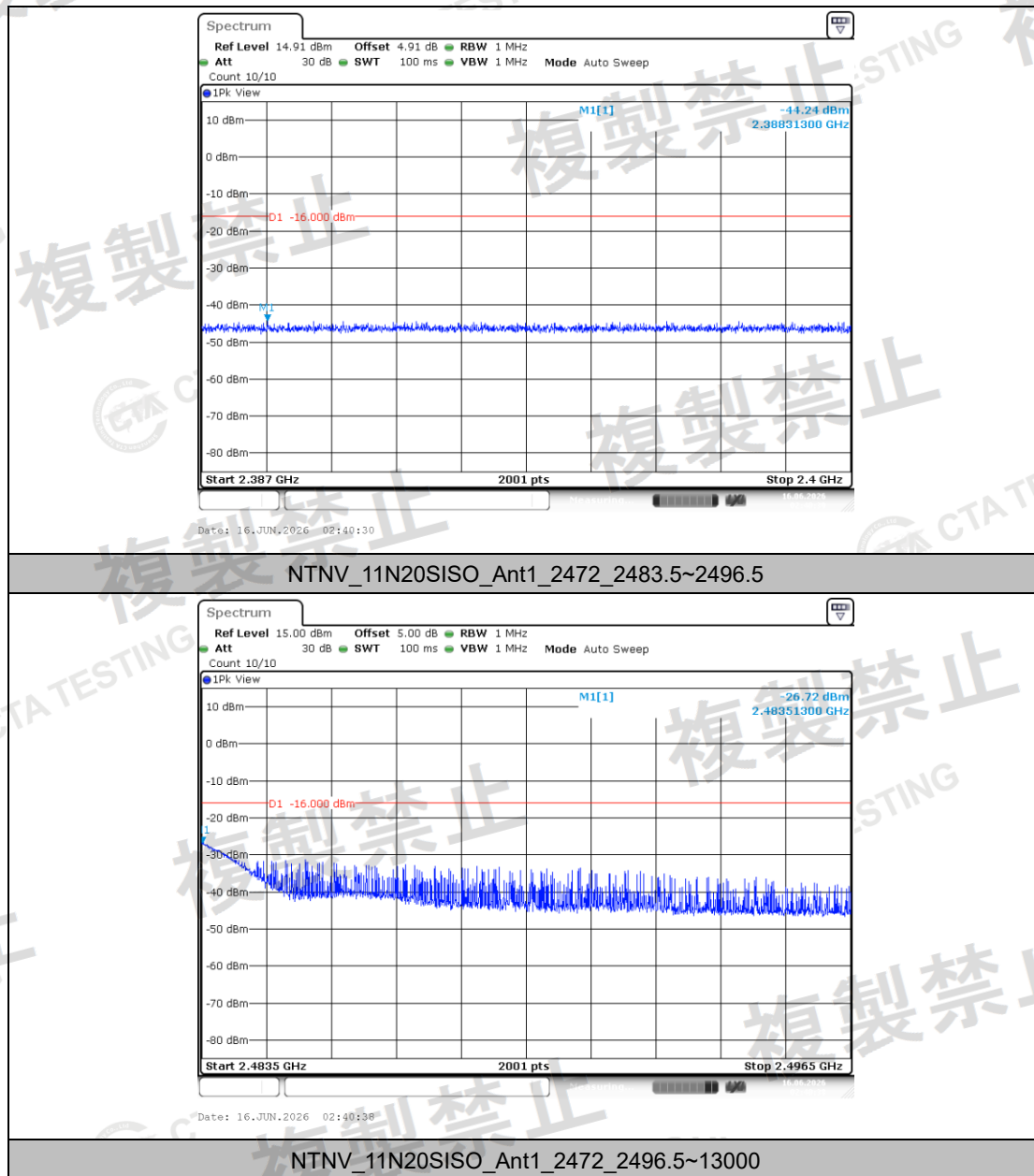
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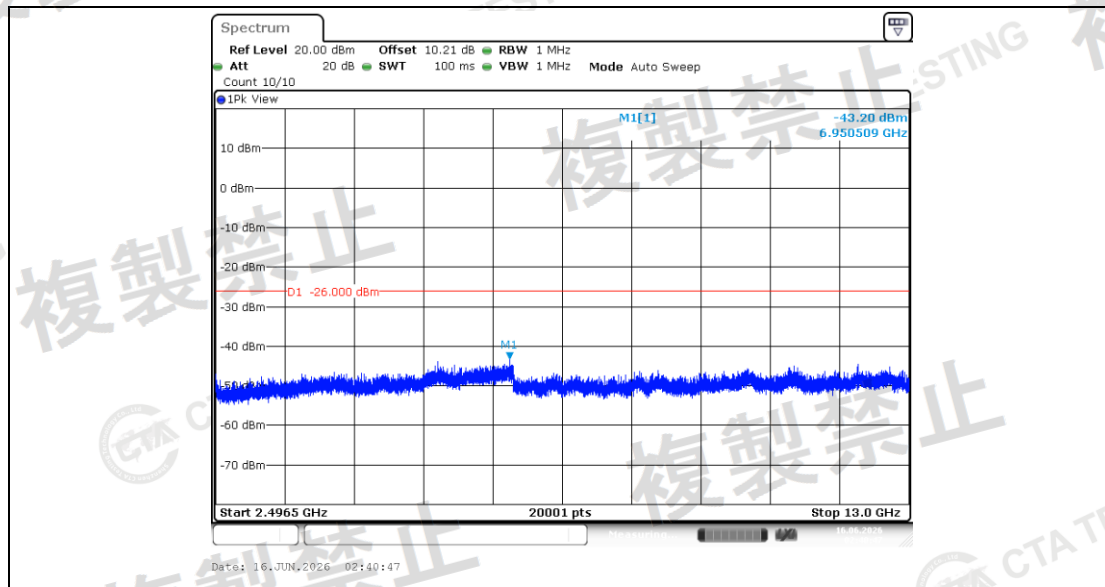
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Appendix E: Spurious Emission of RX

Test Result

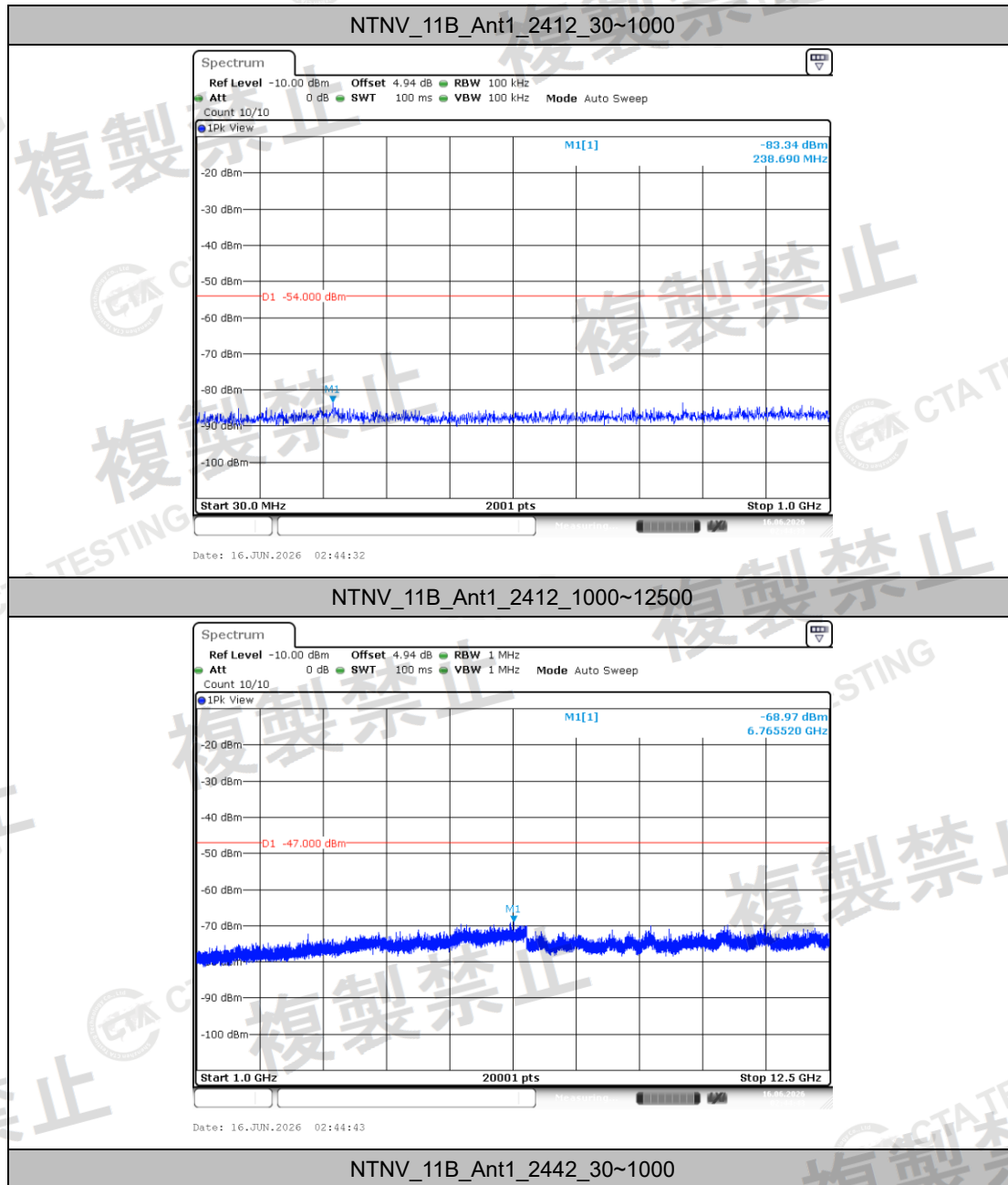
TestCondition	TestMode	Antenna	Channel (MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	11B	Ant1	2412	30~1000	238.69	-83.34	≤-54	0.00463	≤4	PASS
				1000~12500	6765.52	-68.97	≤-47	0.12677	≤20	PASS
			2442	30~1000	996.36	-83.93	≤-54	0.00405	≤4	PASS
				1000~12500	6948.94	-69.25	≤-47	0.11885	≤20	PASS
			2472	30~1000	242.57	-84.41	≤-54	0.00362	≤4	PASS
				1000~12500	6808.07	-69.09	≤-47	0.12331	≤20	PASS
	11G	Ant1	2412	30~1000	953.71	-83.46	≤-54	0.00451	≤4	PASS
				1000~12500	6316.47	-68.59	≤-47	0.13836	≤20	PASS
			2442	30~1000	875.66	-83.89	≤-54	0.00408	≤4	PASS
				1000~12500	6586.13	-69.65	≤-47	0.10839	≤20	PASS
			2472	30~1000	215.42	-83.99	≤-54	0.00399	≤4	PASS
				1000~12500	6280.82	-69.18	≤-47	0.12078	≤20	PASS
	11N20SI SO	Ant1	2412	30~1000	974.55	-83.93	≤-54	0.00405	≤4	PASS
				1000~12500	5959.41	-68.30	≤-47	0.14791	≤20	PASS
			2442	30~1000	246.93	-83.70	≤-54	0.00427	≤4	PASS
				1000~12500	5826.60	-69.15	≤-47	0.12162	≤20	PASS
			2472	30~1000	241.60	-83.64	≤-54	0.00433	≤4	PASS
				1000~12500	6696.53	-69.63	≤-47	0.10889	≤20	PASS



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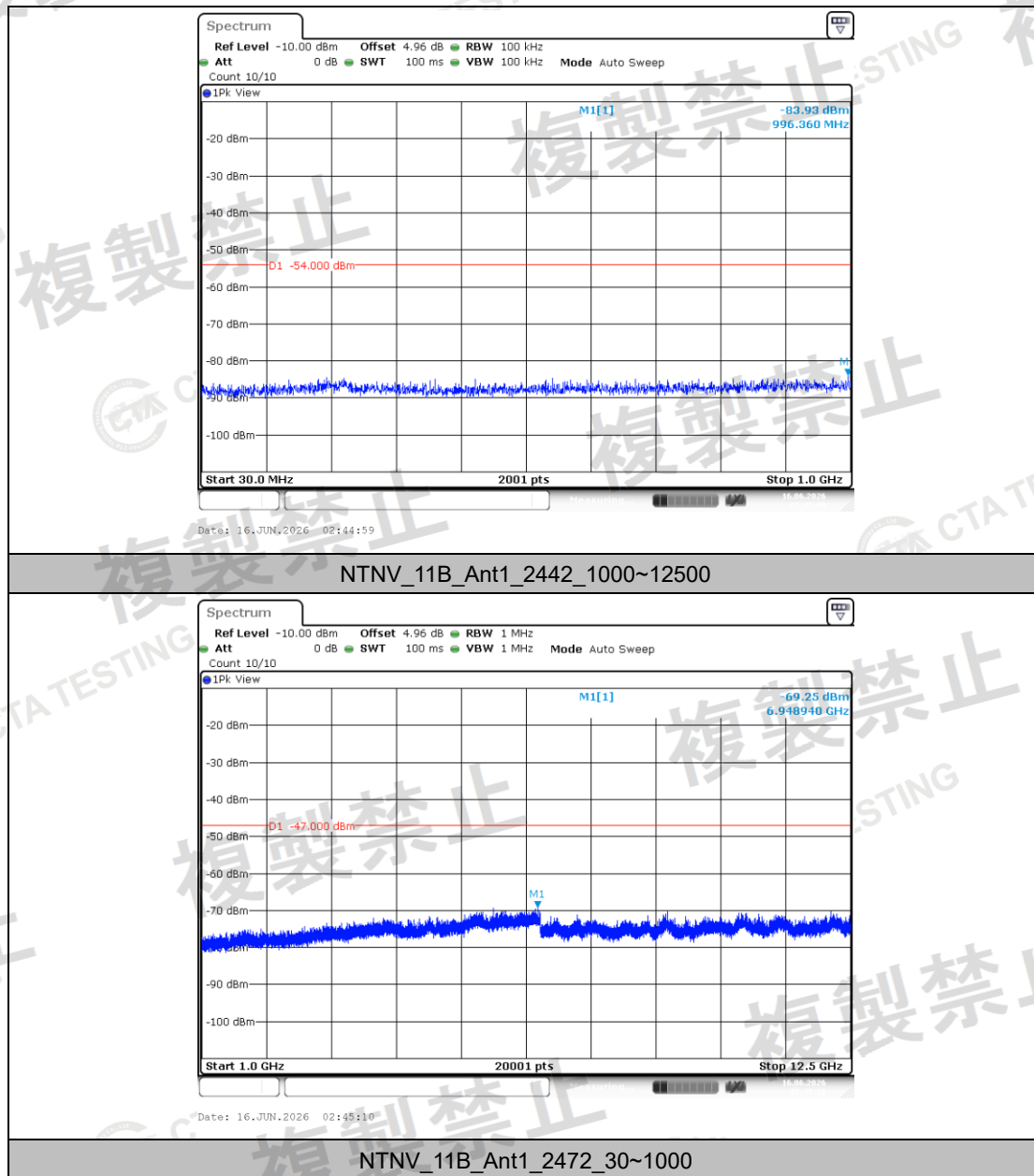
Test Graphs





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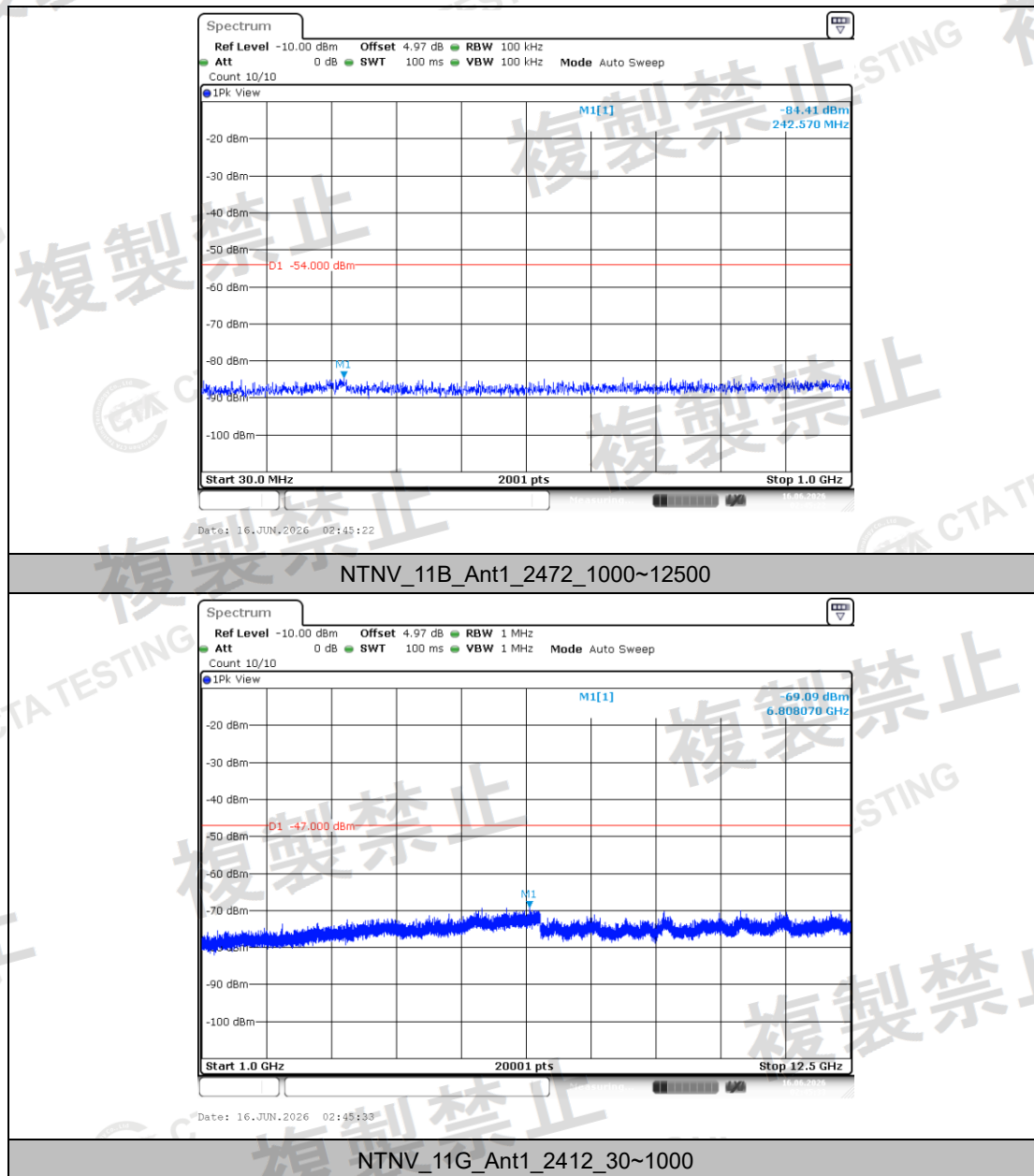
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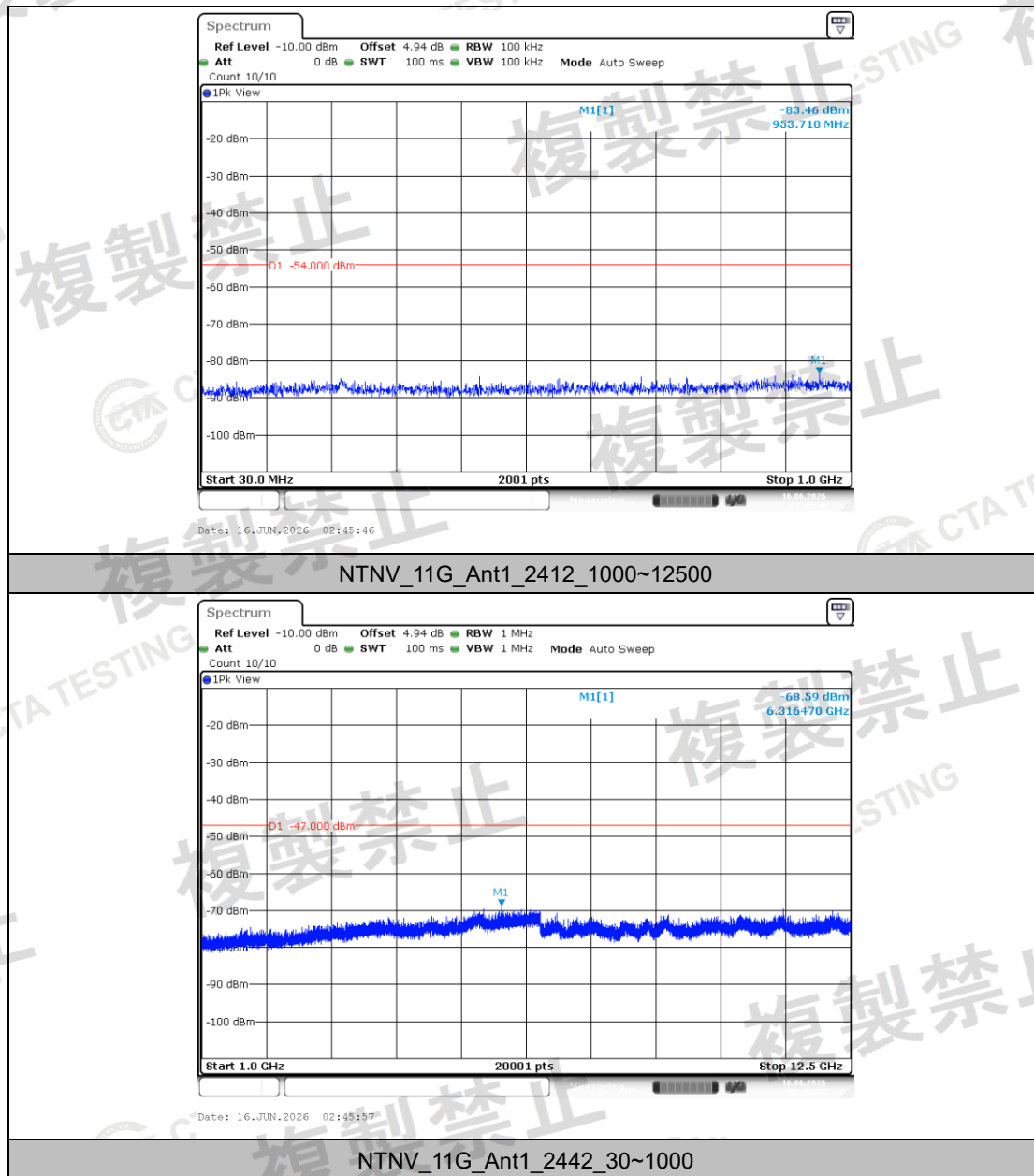
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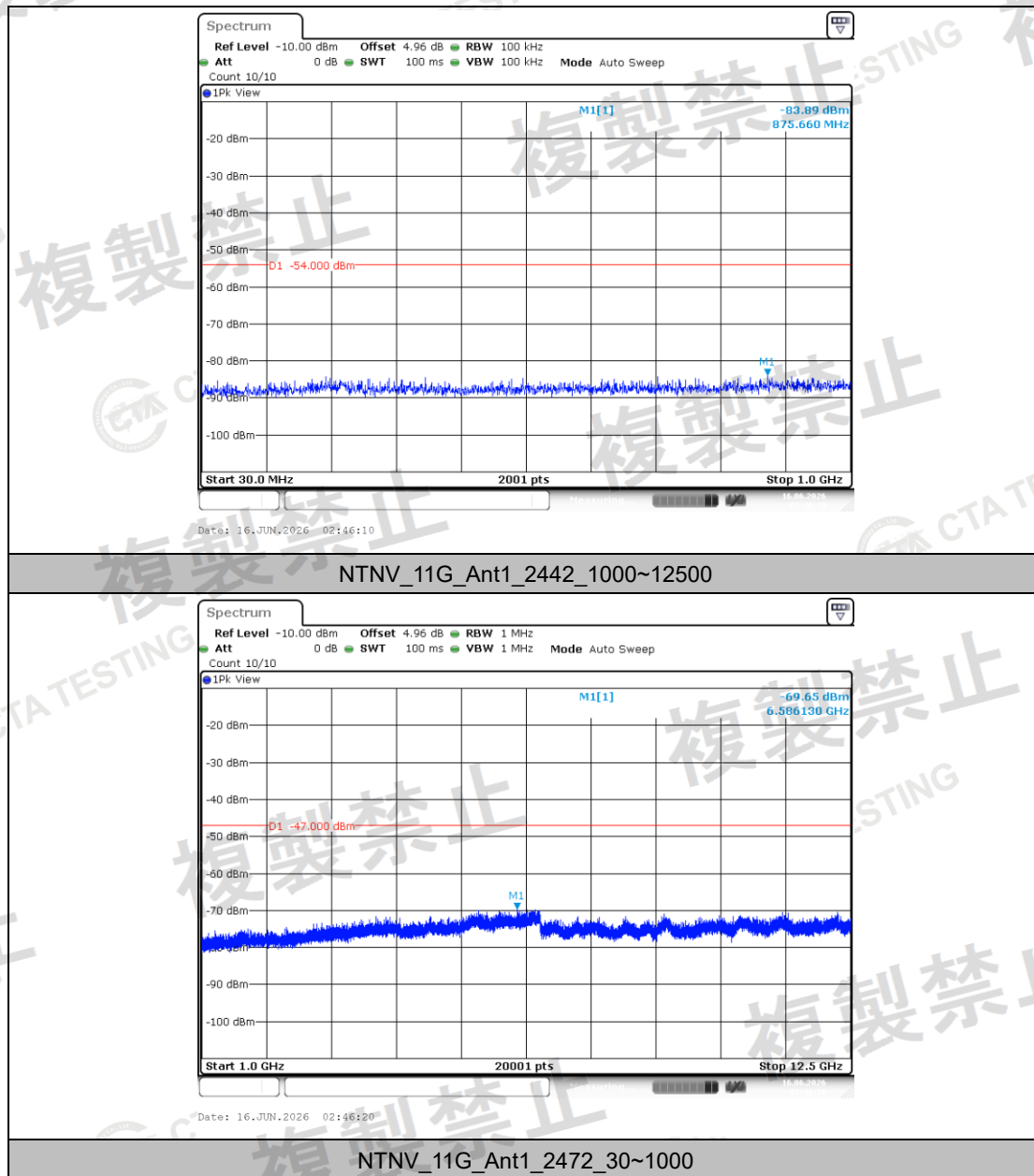
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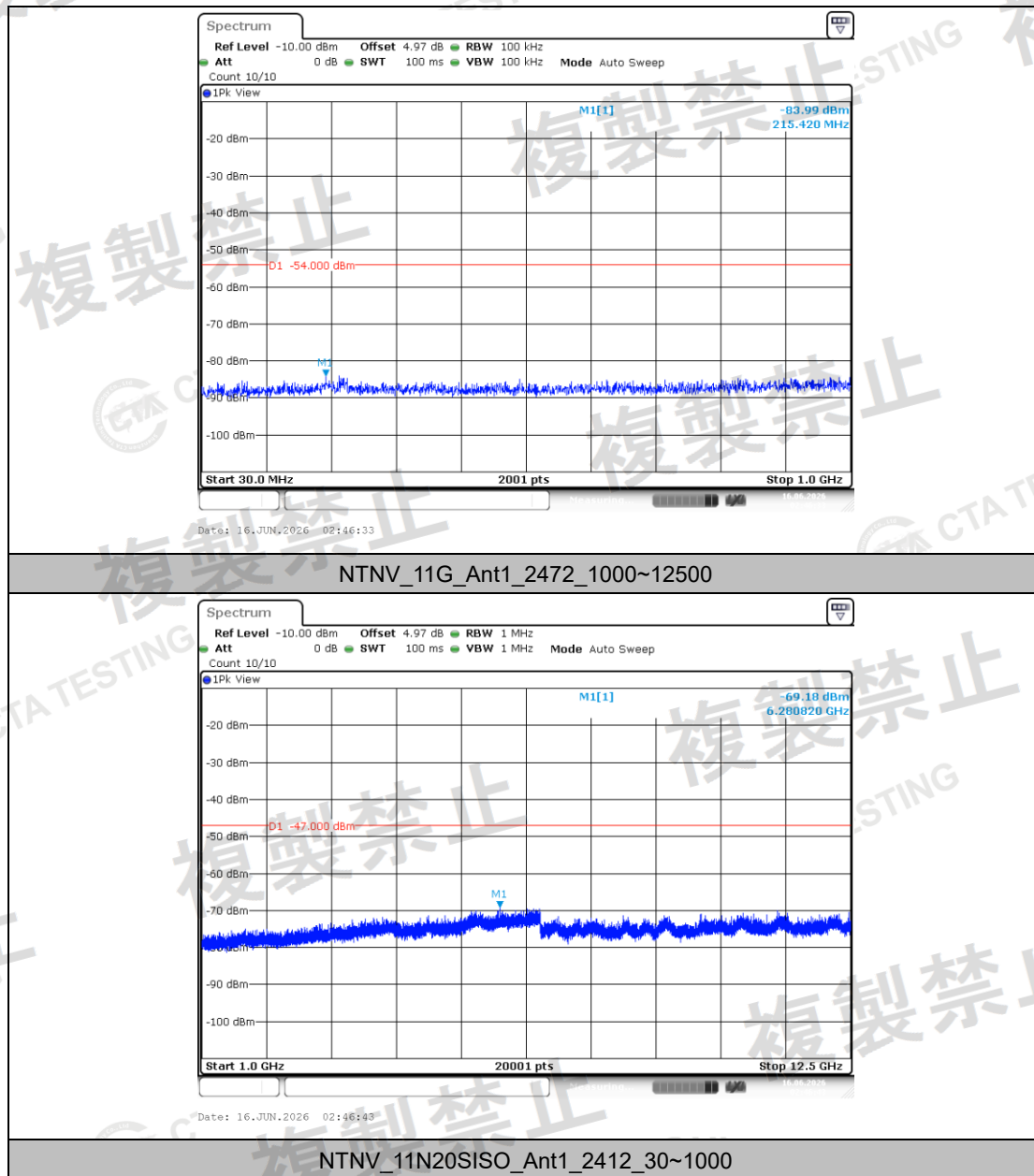
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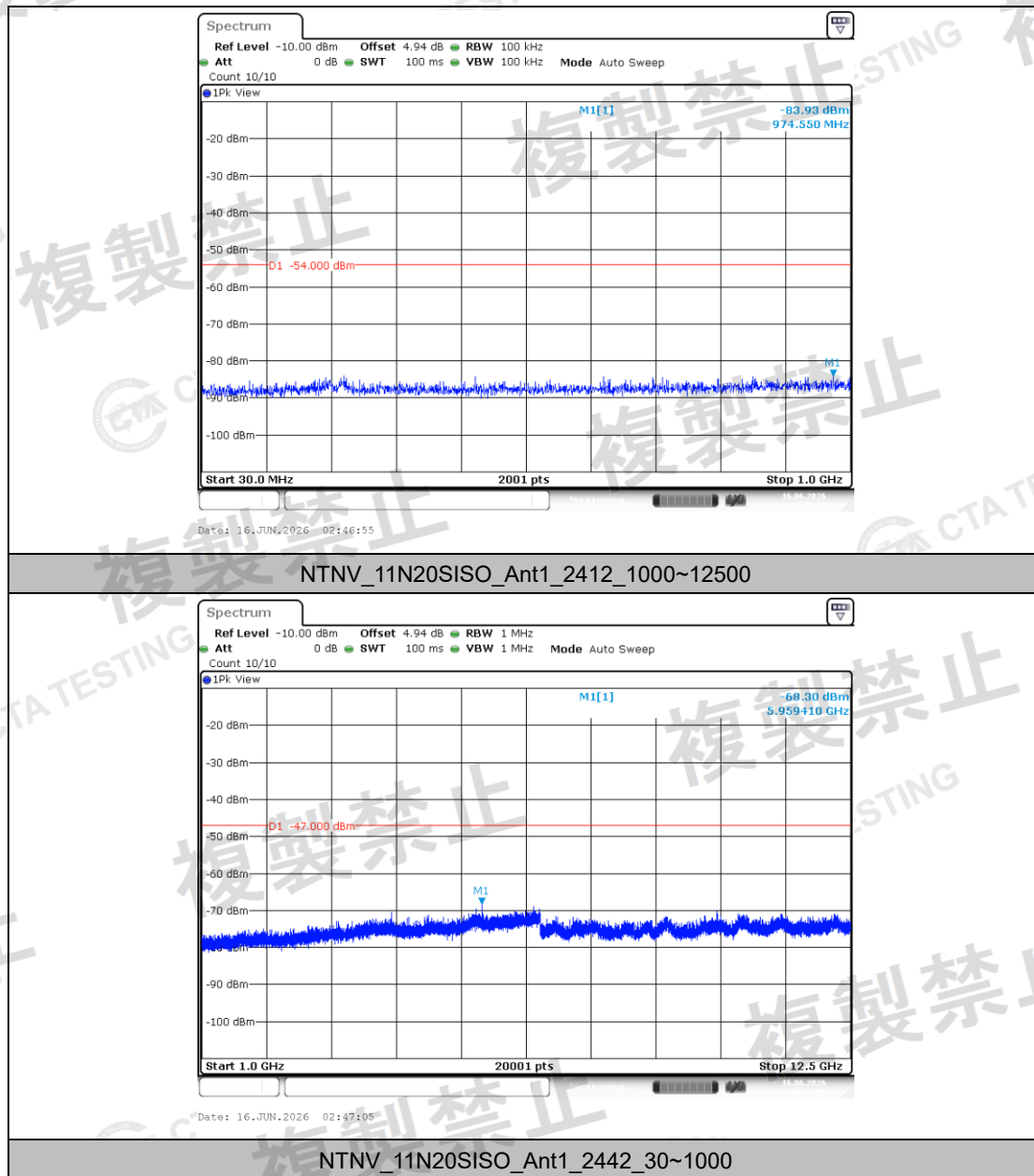
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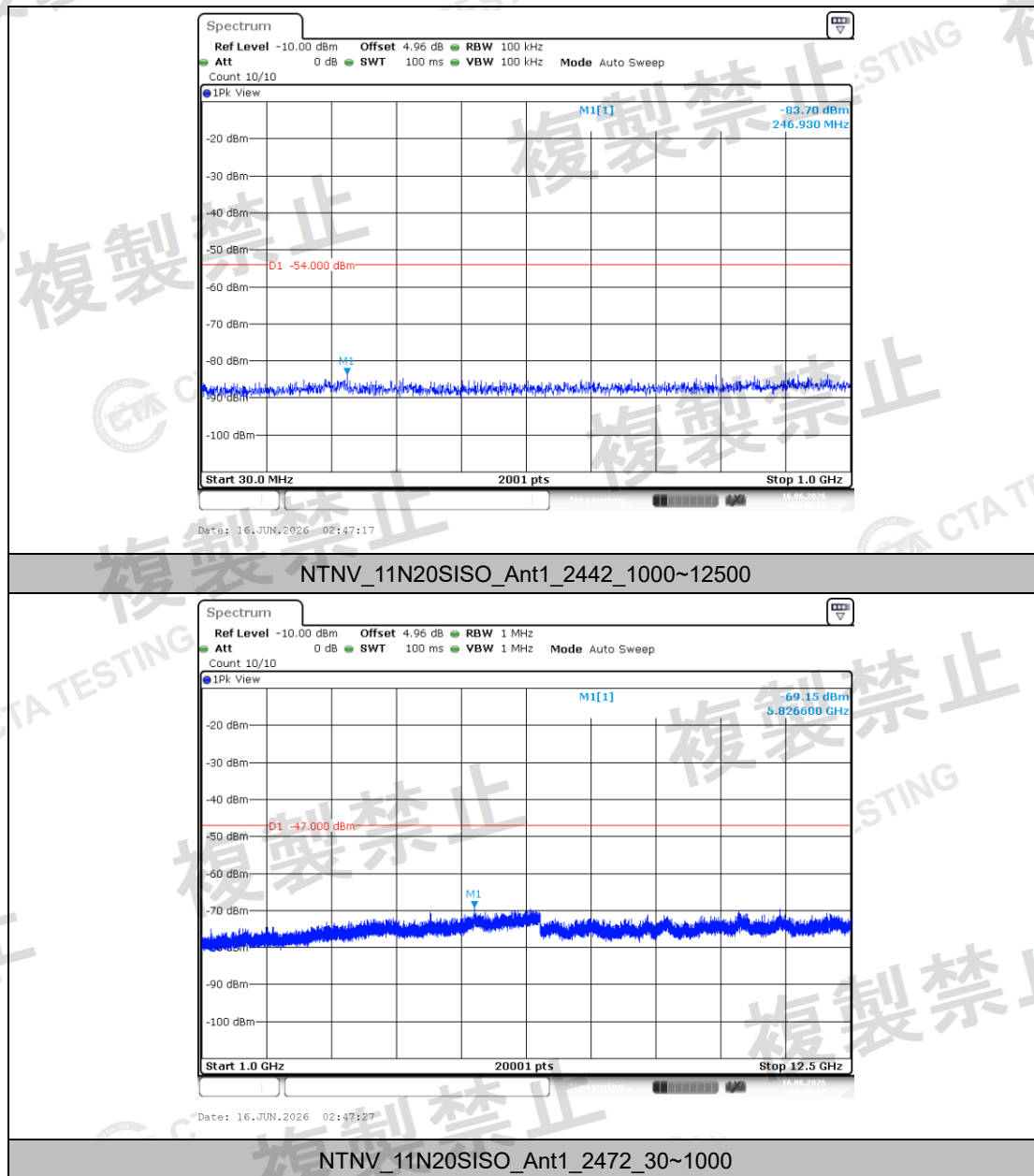
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