

Appendix RF Test Data for 2.4GWIFI

Company : Shenzhen Honghaoda Intelligent Technology Co., Ltd.

EUT : Head-mounted Camera

Model Number : T10

Report No. : CTA26020400901

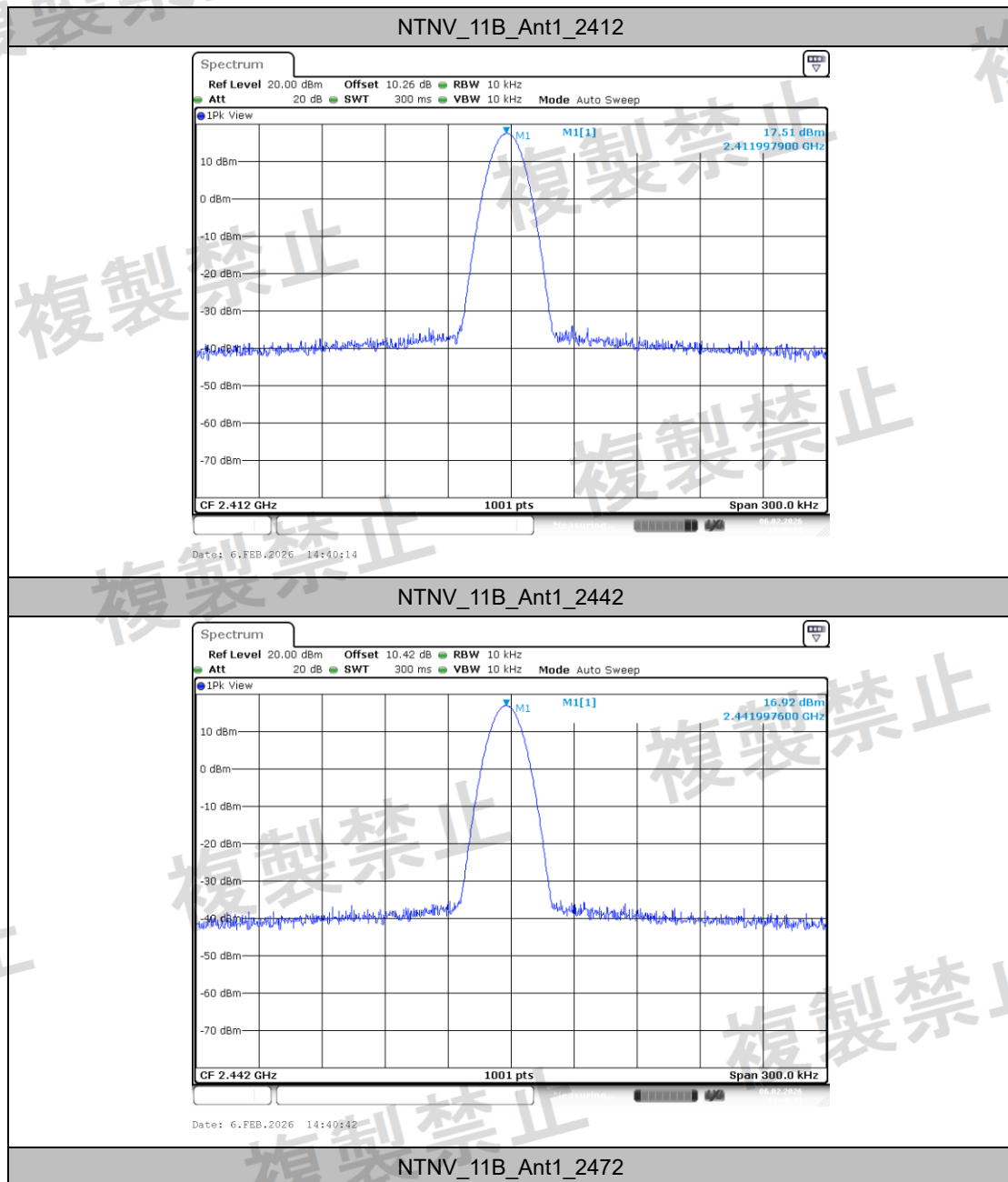
Reviewed By : Eric Wang

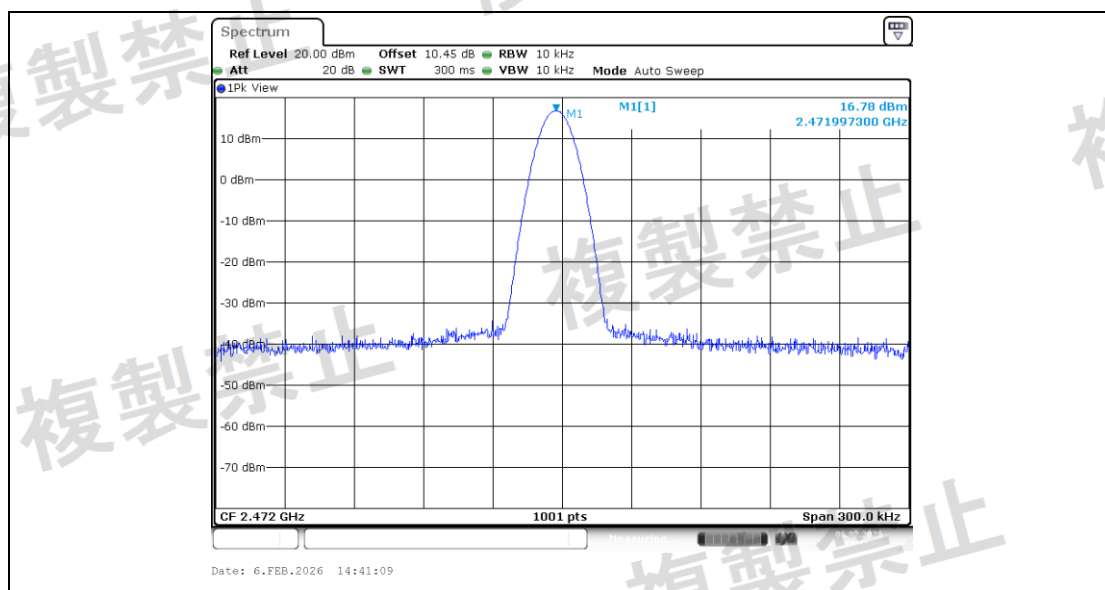
Appendix A: Frequency Error

Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	CenterFrequency [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	11B	Ant1	2412	2411.9979	-0.87065	±50	PASS
			2442	2441.9976	-0.98280	±50	PASS
			2472	2471.9973	-1.09223	±50	PASS

Test Graphs



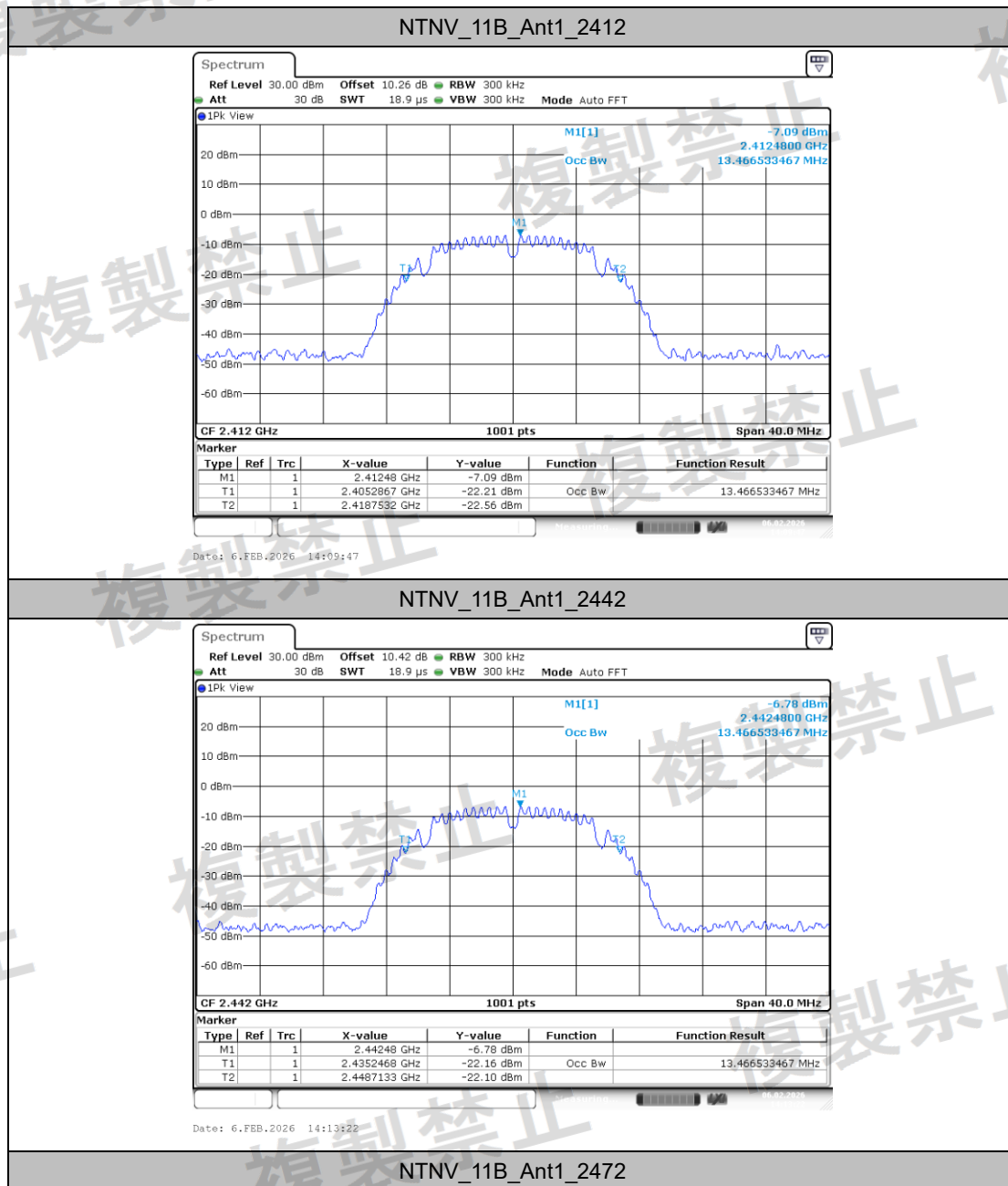


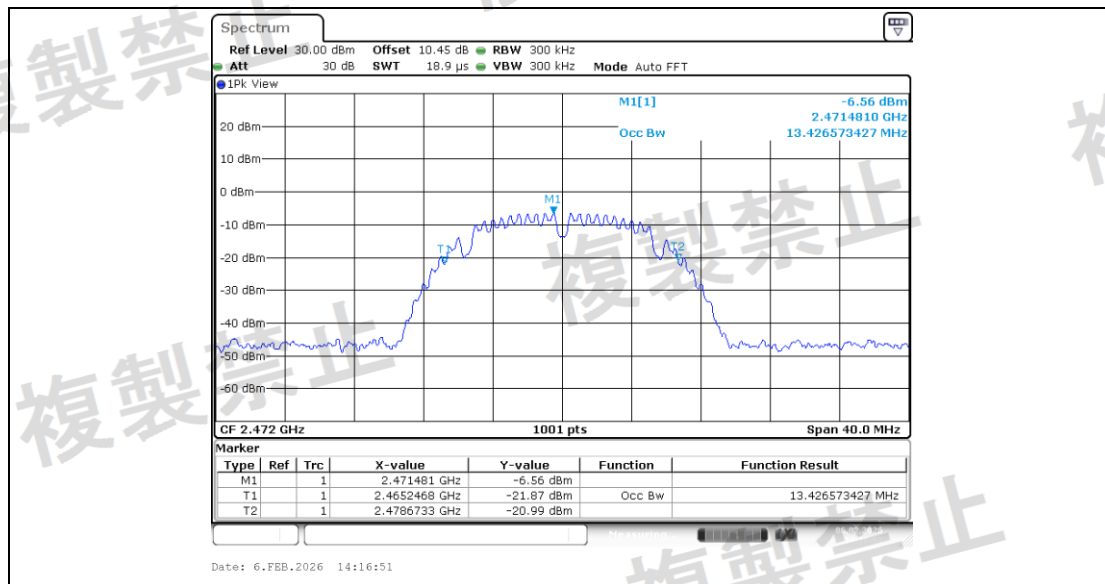
Appendix B: Occupied Bandwidth

Test Result

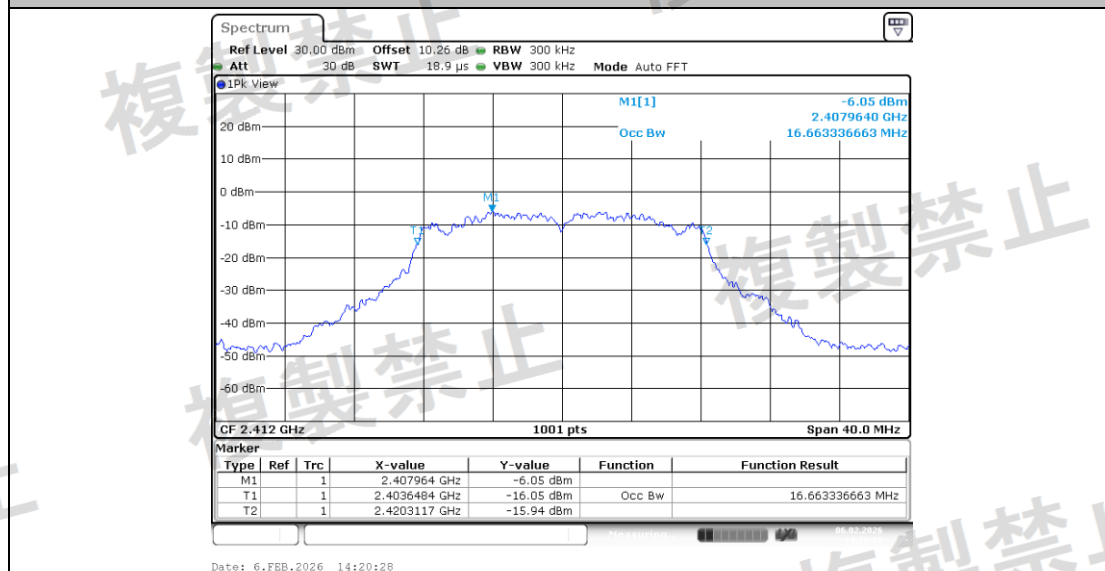
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	11B	Ant1	2412	13.467	≤26	PASS
			2442	13.467	≤26	PASS
			2472	13.427	≤26	PASS
	11G	Ant1	2412	16.663	≤26	PASS
			2442	16.663	≤26	PASS
			2472	16.464	≤26	PASS
	11N20SI SO	Ant1	2412	17.822	≤26	PASS
			2442	17.702	≤26	PASS
			2472	17.702	≤26	PASS

Test Graphs

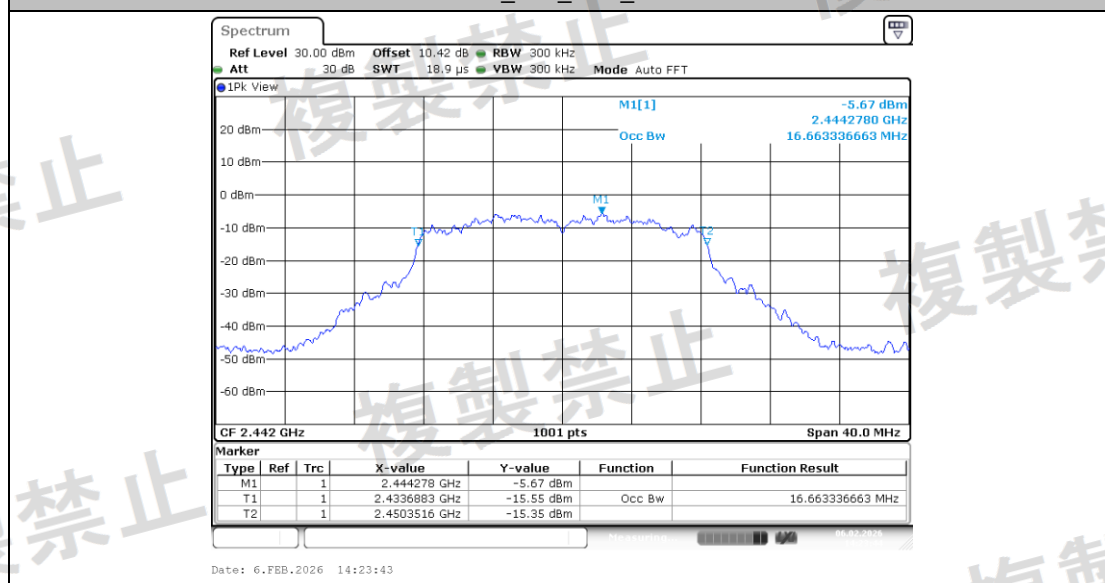


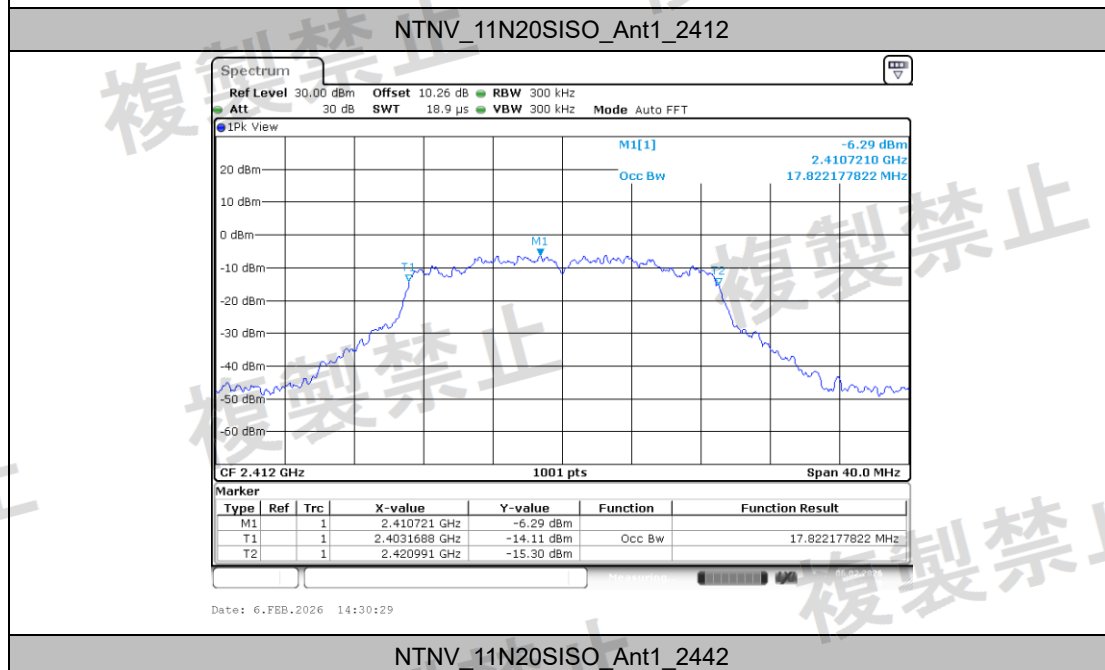
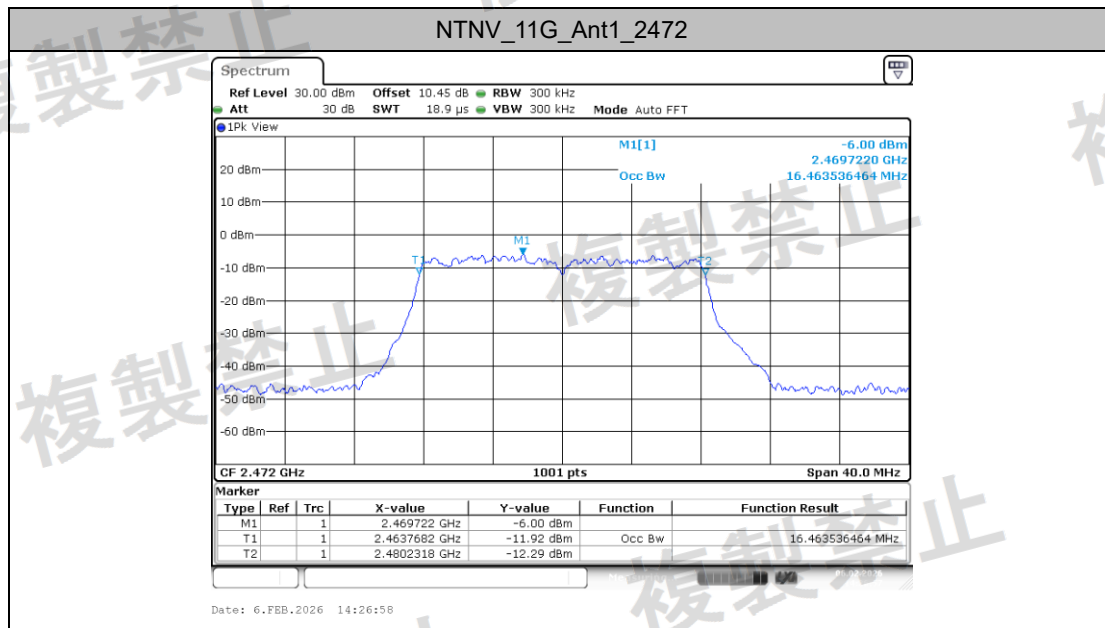


NTNV_11G_Ant1_2412

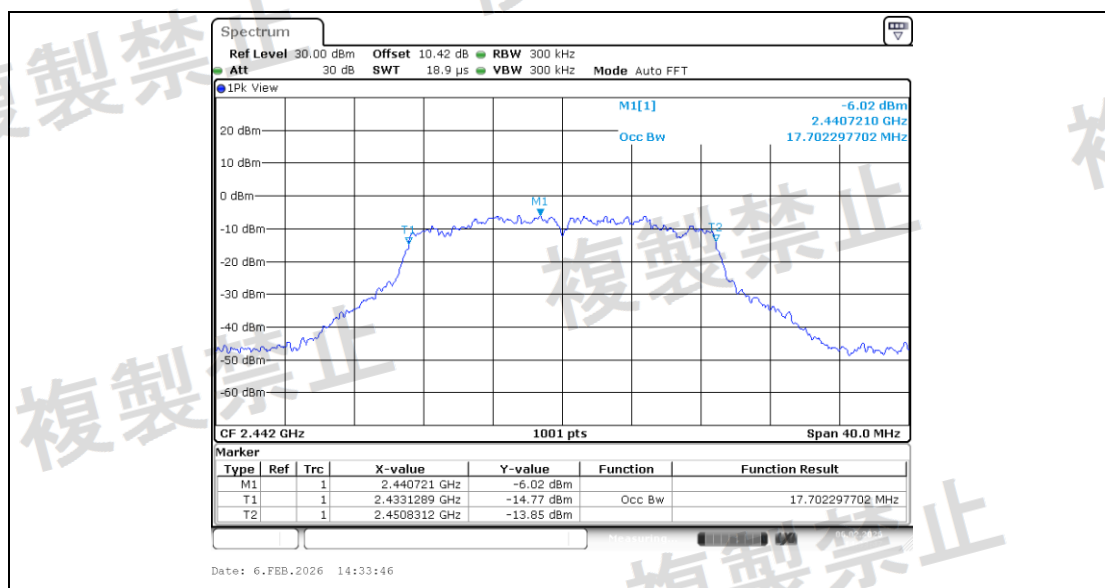


NTNV_11G_Ant1_2442

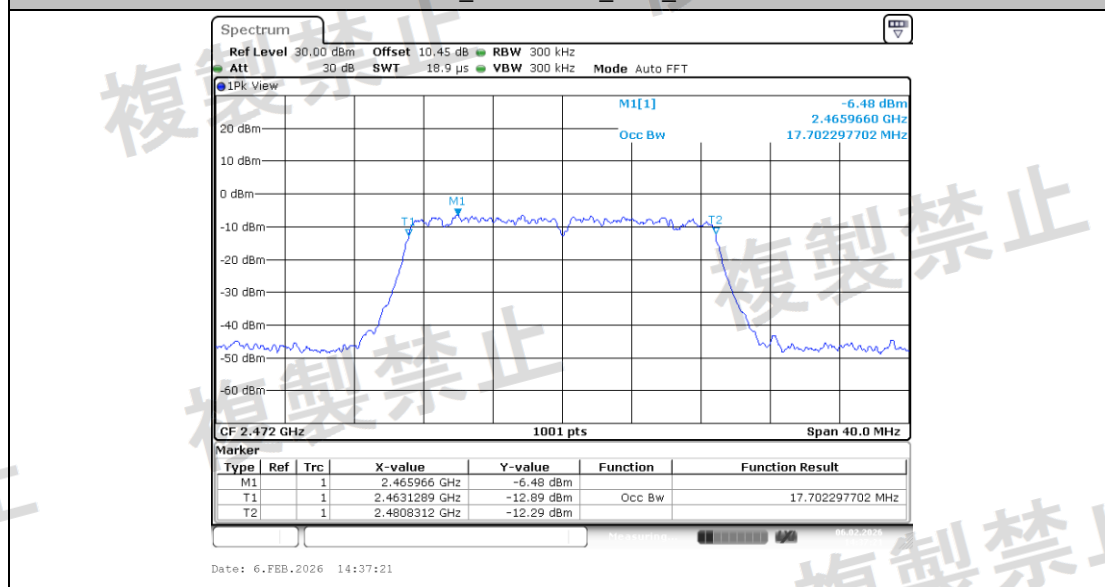




NTNV_11N20SISO_Ant1_2442



NTNV_11N20SISO_Ant1_2472

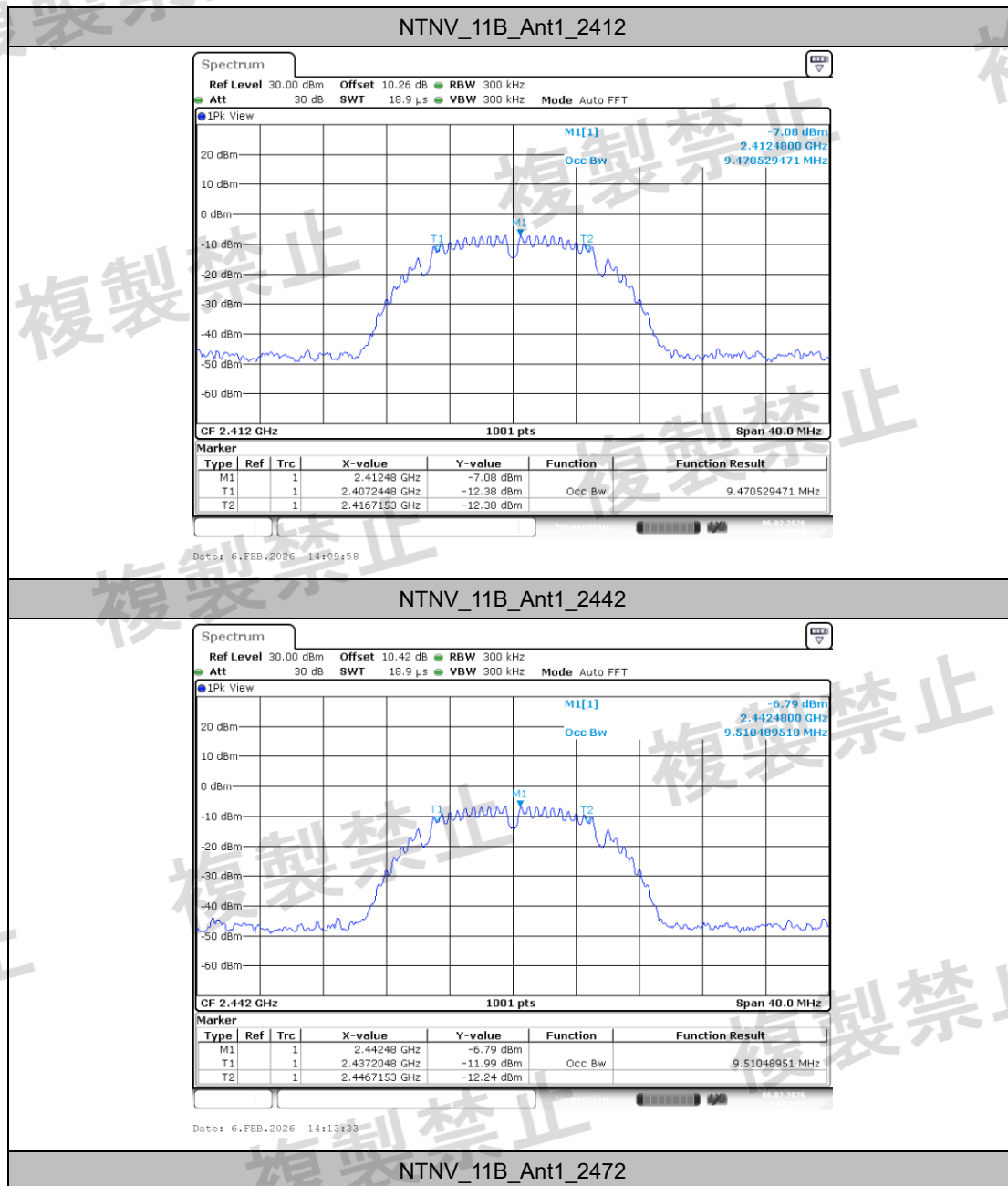


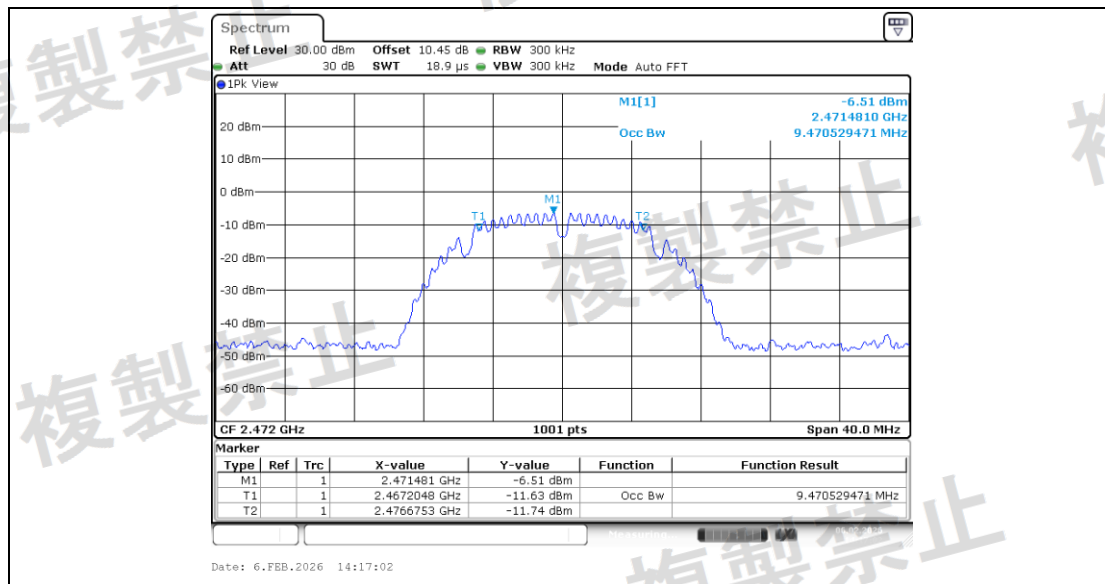
Appendix C: Spread Bandwidth

Test Result

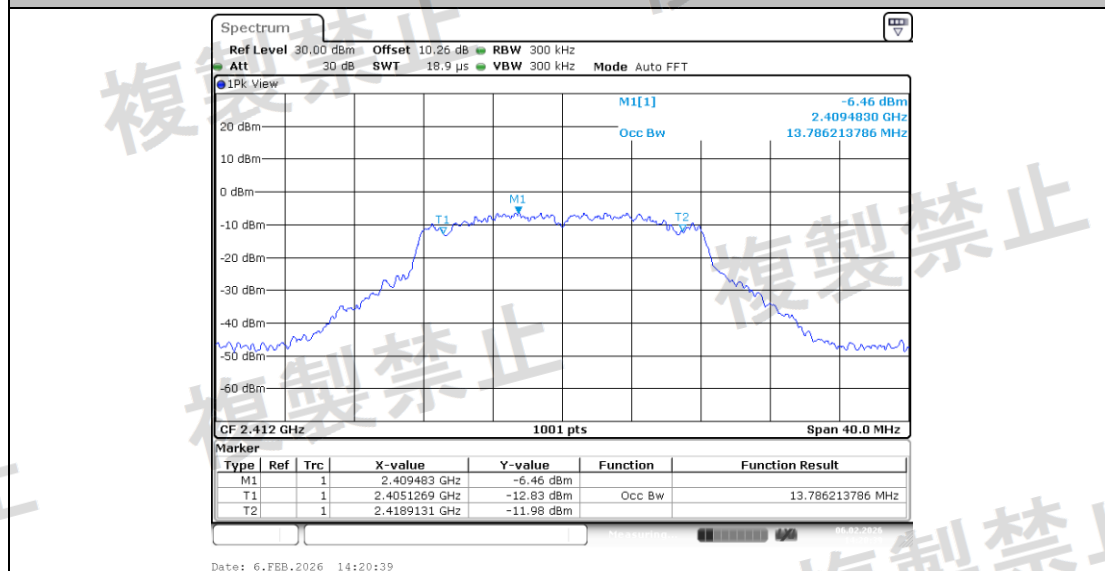
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Spread Factor	Limit	Verdict
NTNV	11B	Ant1	2412	9.471	≥0.5	6.888	>5	PASS
			2442	9.510	≥0.5	6.916	>5	PASS
			2472	9.471	≥0.5	6.888	>5	PASS
	11G	Ant1	2412	13.786	≥0.5	---	---	PASS
			2442	13.986	≥0.5	---	---	PASS
			2472	14.745	≥0.5	---	---	PASS
	11N20SI SO	Ant1	2412	14.985	≥0.5	---	---	PASS
			2442	14.905	≥0.5	---	---	PASS
			2472	15.664	≥0.5	---	---	PASS

Test Graphs

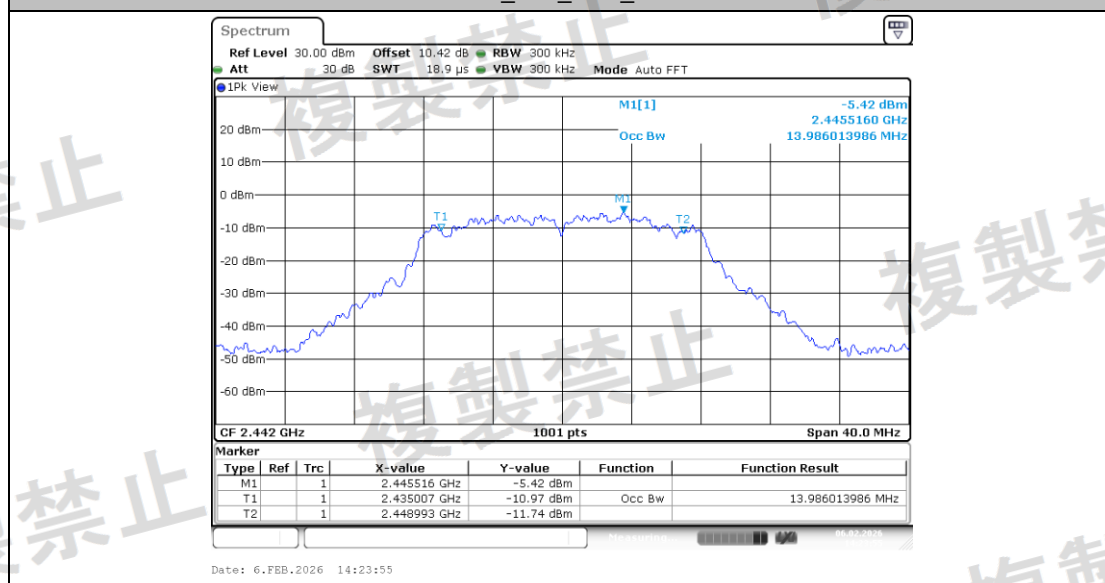


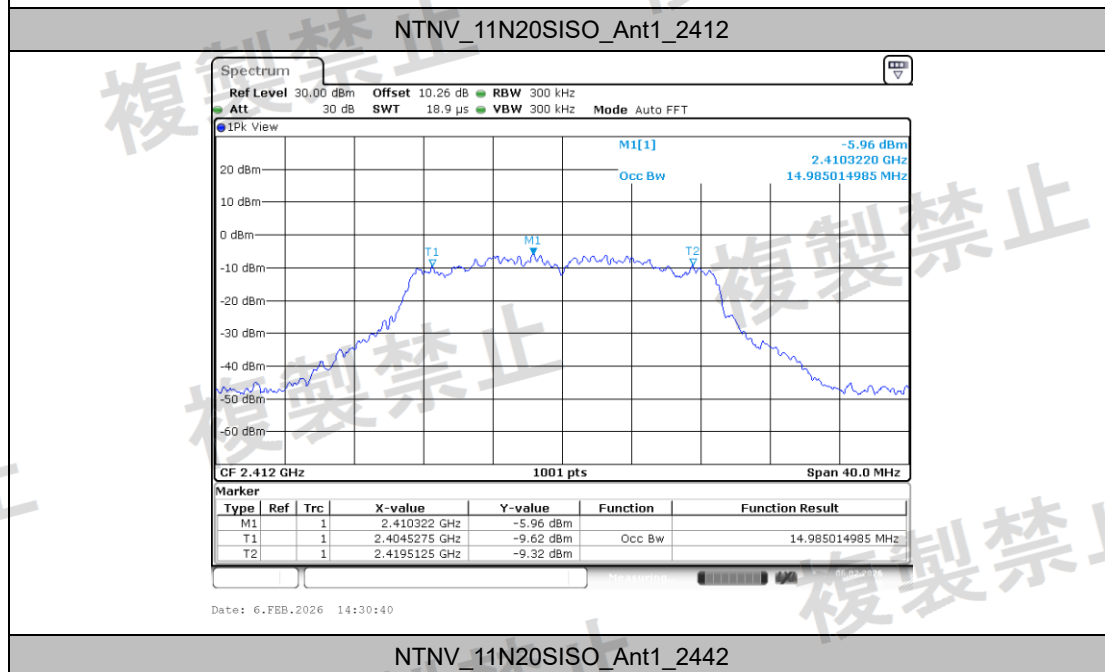
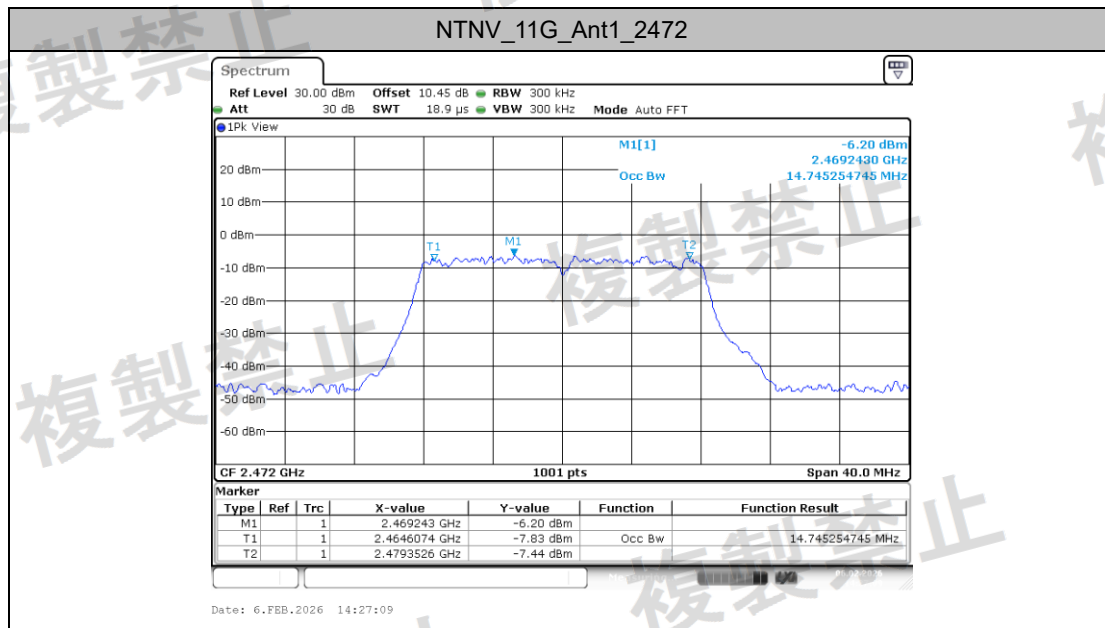


NTNV_11G_Ant1_2412

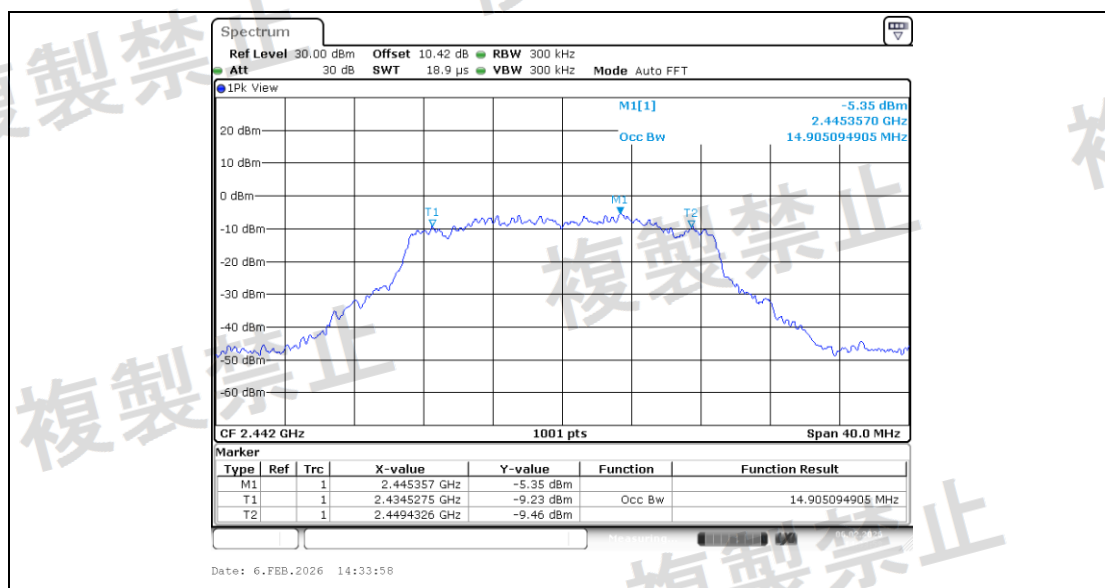


NTNV_11G_Ant1_2442

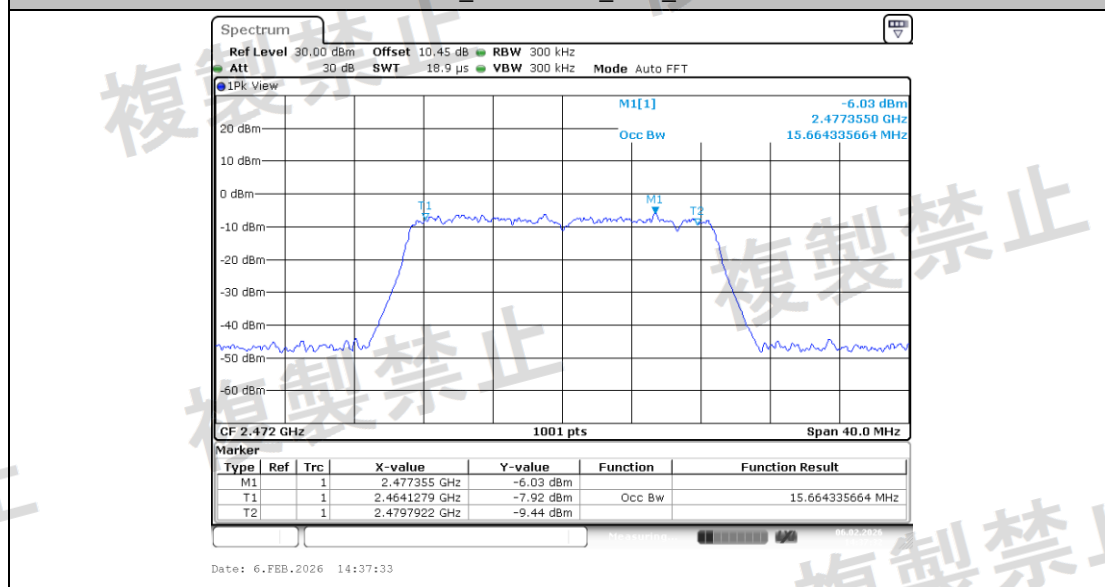




NTNV_11N20SISO_Ant1_2442



NTV_11N20SISO_Ant1_2472



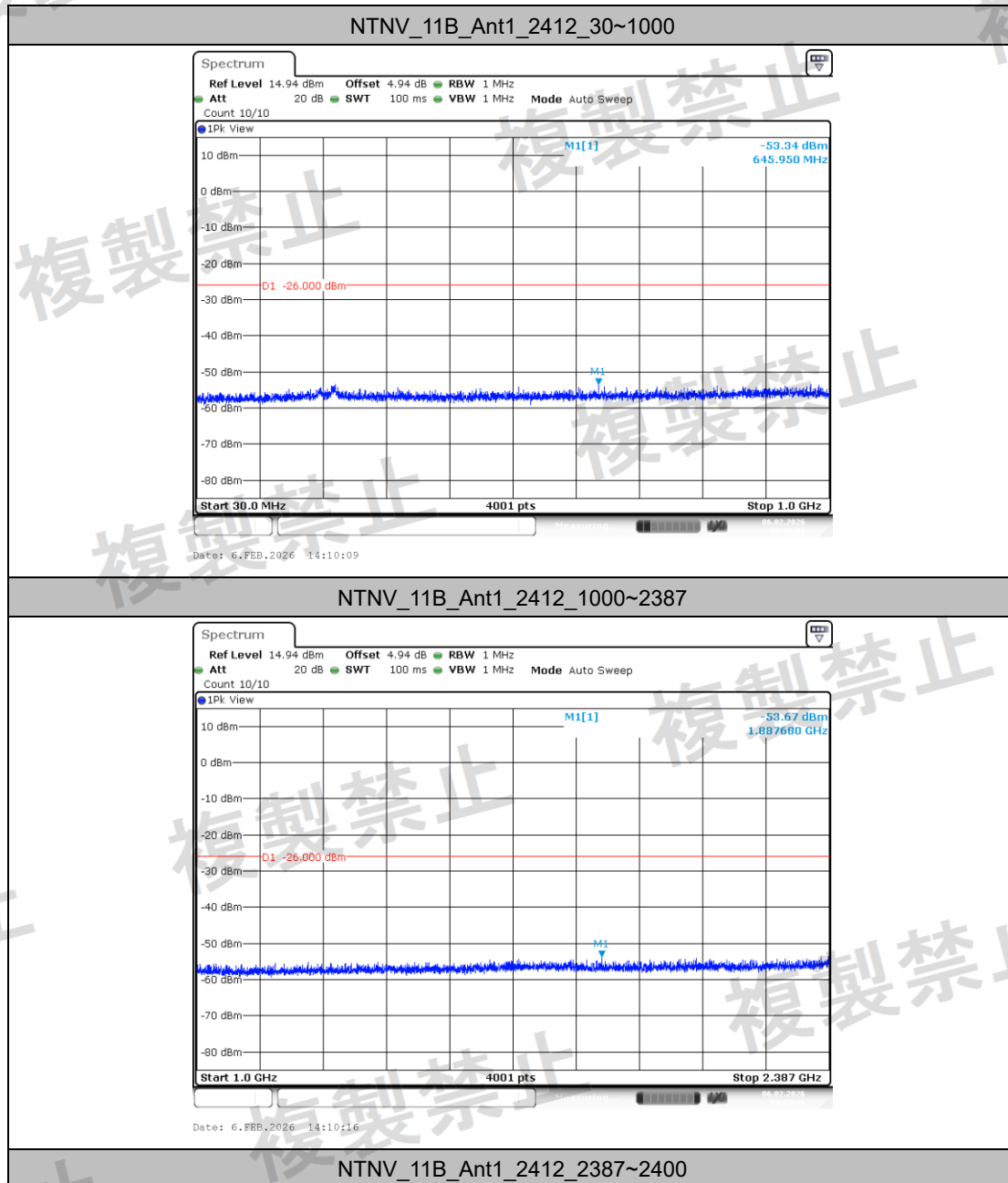
Appendix D: Spurious Emission of TX

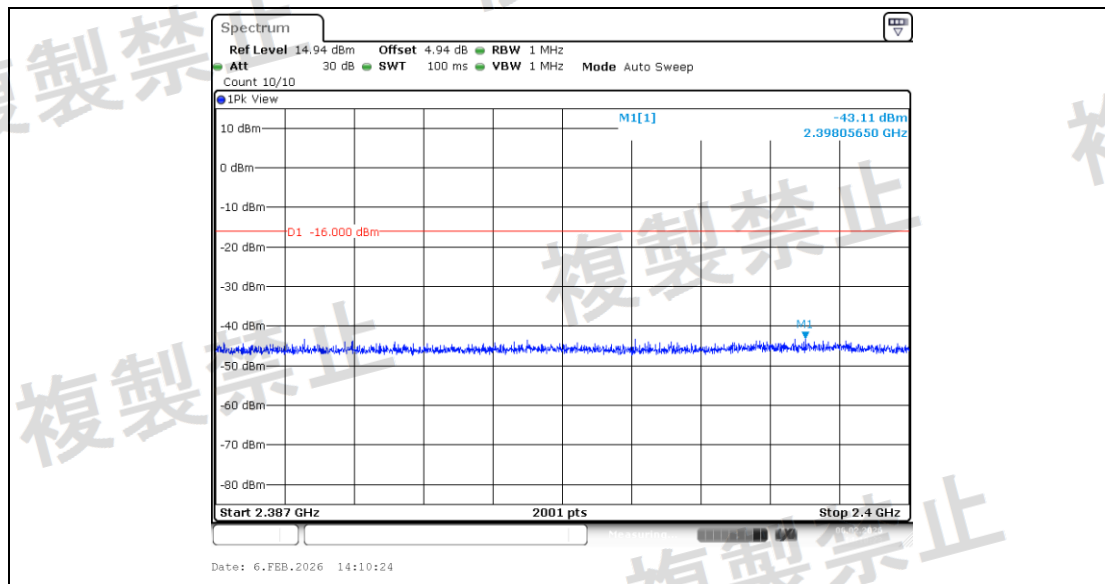
Test Result

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	645.95	-53.34	≤-26	0.00463	≤2.5	PASS
				1000~2387	1887.68	-53.67	≤-26	0.00430	≤2.5	PASS
				2387~2400	2398.06	-43.11	≤-16	0.04887	≤25	PASS
				2483.5~2496.5	2494.46	-43.43	≤-16	0.04539	≤25	PASS
				2496.5~13000	6569.76	-48.00	≤-26	0.01585	≤2.5	PASS
			2442	30~1000	977.69	-52.75	≤-26	0.00531	≤2.5	PASS
				1000~2387	2383.88	-53.52	≤-26	0.00445	≤2.5	PASS
				2387~2400	2398.37	-43.86	≤-16	0.04111	≤25	PASS
				2483.5~2496.5	2493.57	-43.20	≤-16	0.04786	≤25	PASS
				2496.5~13000	6881.19	-49.25	≤-26	0.01189	≤2.5	PASS
	11G	Ant1	2472	30~1000	949.08	-53.00	≤-26	0.00501	≤2.5	PASS
				1000~2387	2136.65	-53.50	≤-26	0.00447	≤2.5	PASS
				2387~2400	2394.81	-43.56	≤-16	0.04406	≤25	PASS
				2483.5~2496.5	2486.44	-42.09	≤-16	0.06180	≤25	PASS
				2496.5~13000	6220.52	-48.92	≤-26	0.01282	≤2.5	PASS
			2412	30~1000	846.98	-53.29	≤-26	0.00469	≤2.5	PASS
				1000~2387	2381.45	-52.89	≤-26	0.00514	≤2.5	PASS
				2387~2400	2399.89	-24.13	≤-16	3.86367	≤25	PASS
				2483.5~2496.5	2484.55	-43.79	≤-16	0.04178	≤25	PASS
				2496.5~13000	6262.53	-49.66	≤-26	0.01081	≤2.5	PASS
			2442	30~1000	936.47	-53.16	≤-26	0.00483	≤2.5	PASS
				1000~2387	2057.2	-53.55	≤-26	0.00442	≤2.5	PASS

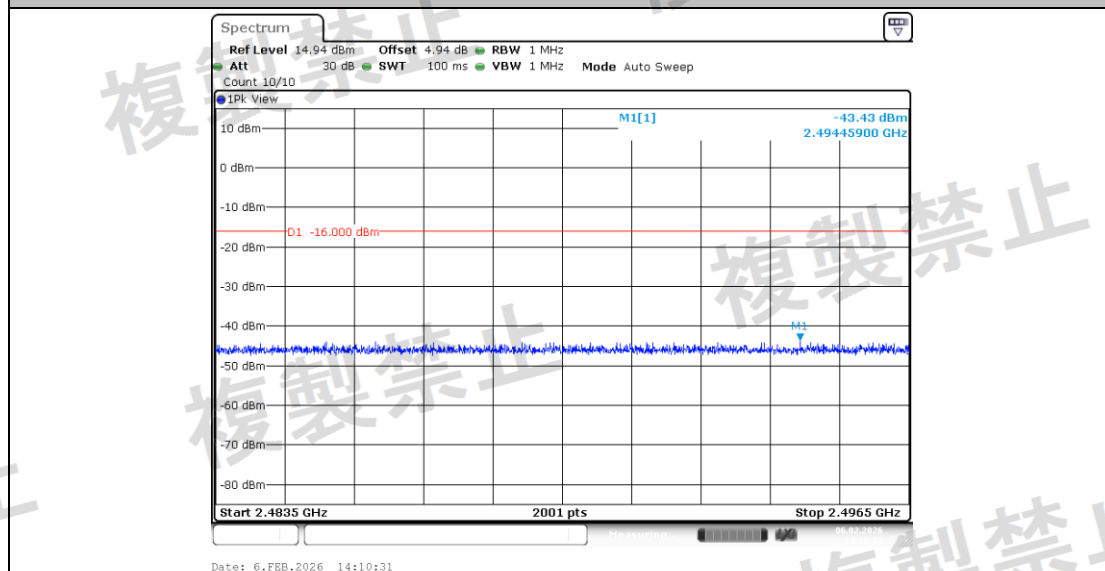
					4					
				2387~2400	2397.3 1	-43.71	≤-16	0.04256	≤25	PASS
				2483.5~2496.5	2489.8 6	-43.66	≤-16	0.04305	≤25	PASS
				2496.5~13000	5909.0 9	-48.56	≤-26	0.01393	≤2.5	PASS
			2472	30~1000	950.29	-53.37	≤-26	0.00460	≤2.5	PASS
				1000~2387	2243.4 5	-53.73	≤-26	0.00424	≤2.5	PASS
				2387~2400	2389.1 1	-43.04	≤-16	0.04966	≤25	PASS
				2483.5~2496.5	2483.5 0	-29.63	≤-16	1.08893	≤25	PASS
				2496.5~13000	2518.5 6	-44.52	≤-26	0.03532	≤2.5	PASS
	11N20Si SO	Ant1	2412	30~1000	218.67	-53.45	≤-26	0.00452	≤2.5	PASS
				1000~2387	2374.1 7	-52.64	≤-26	0.00545	≤2.5	PASS
				2387~2400	2400.0 0	-21.94	≤-16	6.39735	≤25	PASS
				2483.5~2496.5	2487.8 5	-43.25	≤-16	0.04732	≤25	PASS
				2496.5~13000	6861.7 5	-49.00	≤-26	0.01259	≤2.5	PASS
			2442	30~1000	982.30	-53.36	≤-26	0.00461	≤2.5	PASS
				1000~2387	2306.5 5	-52.94	≤-26	0.00508	≤2.5	PASS
				2387~2400	2394.9 0	-43.44	≤-16	0.04529	≤25	PASS
				2483.5~2496.5	2490.9 7	-43.21	≤-16	0.04775	≤25	PASS
				2496.5~13000	6888.5 4	-49.17	≤-26	0.01211	≤2.5	PASS
			2472	30~1000	367.56	-53.44	≤-26	0.00453	≤2.5	PASS
				1000~2387	1965.7 0	-53.29	≤-26	0.00469	≤2.5	PASS
				2387~2400	2392.3 8	-43.79	≤-16	0.04178	≤25	PASS
				2483.5~2496.5	2483.5 0	-30.04	≤-16	0.99083	≤25	PASS
				2496.5~13000	6932.1 3	-49.08	≤-26	0.01236	≤2.5	PASS

Test Graphs

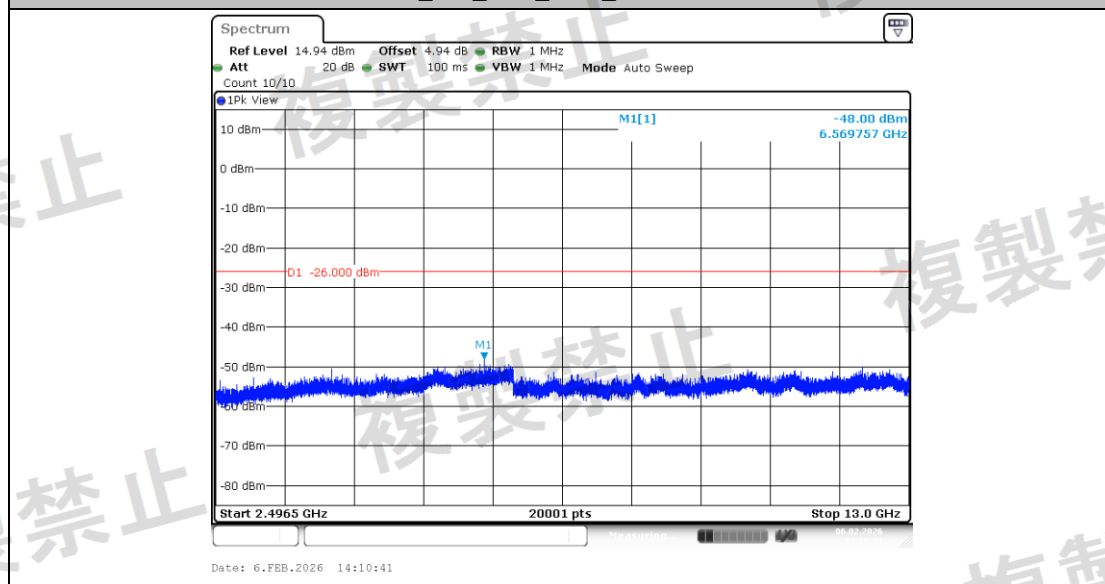


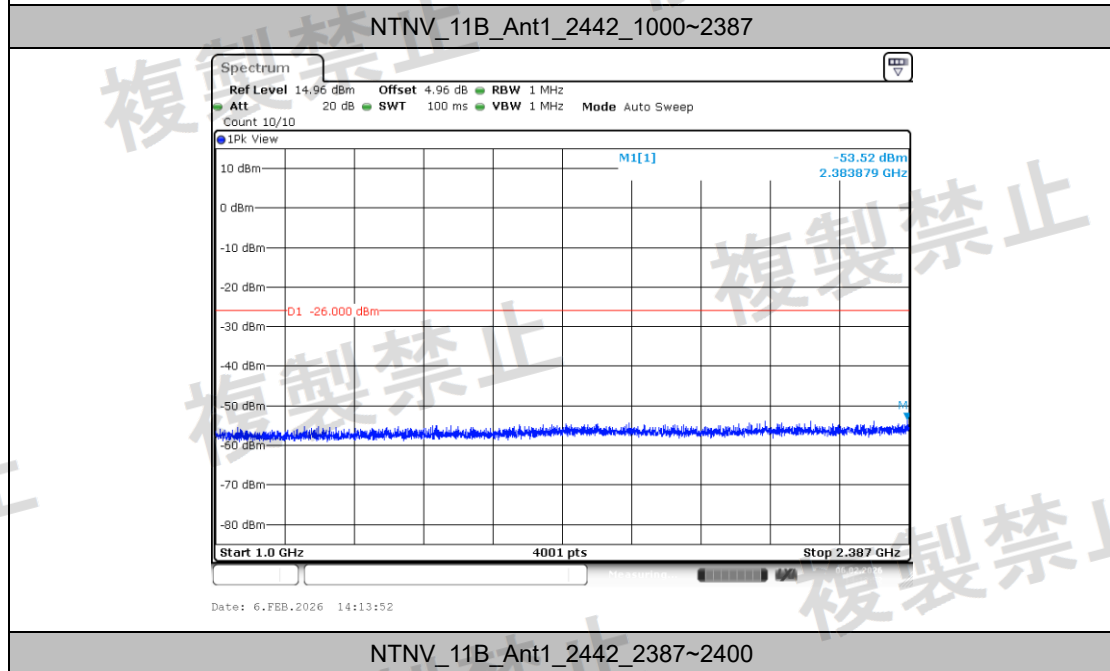
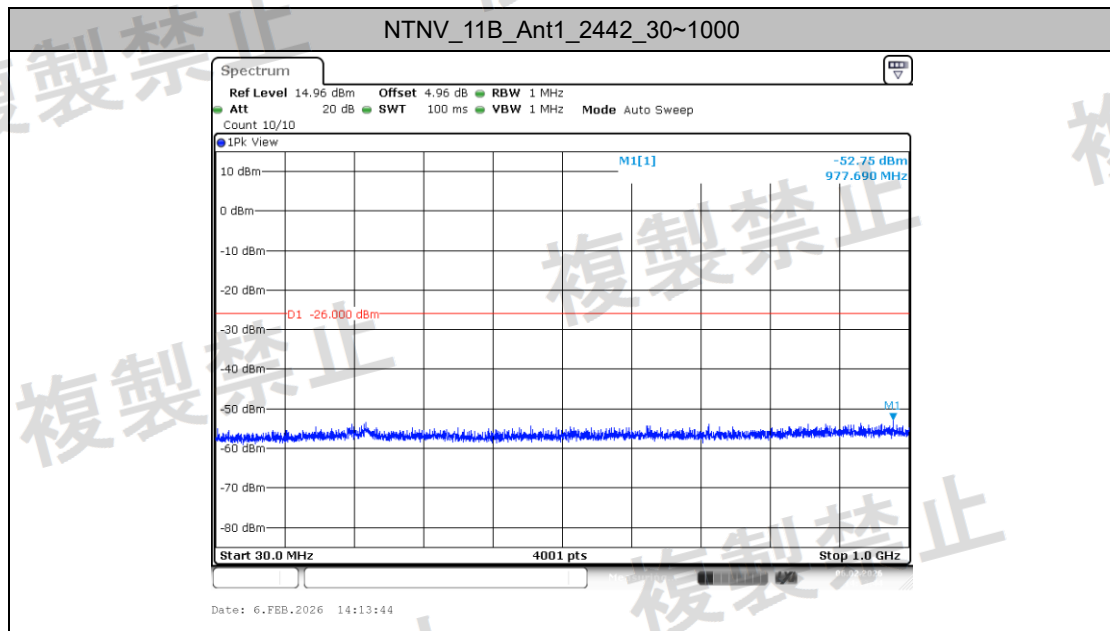


NTNV_11B_Ant1_2412_2483.5~2496.5

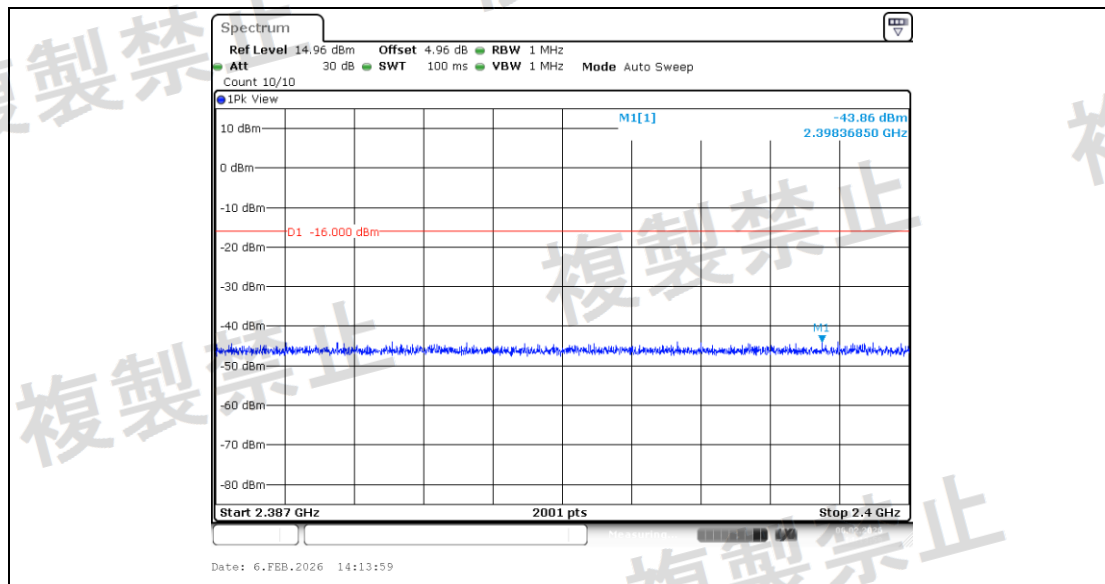


NTNV_11B_Ant1_2412_2496.5~13000

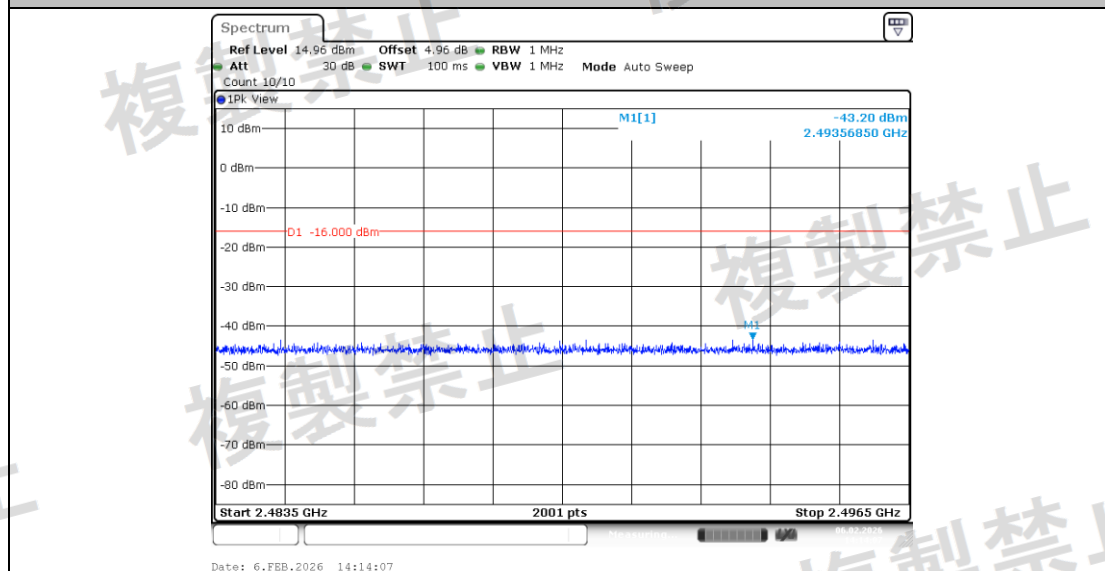




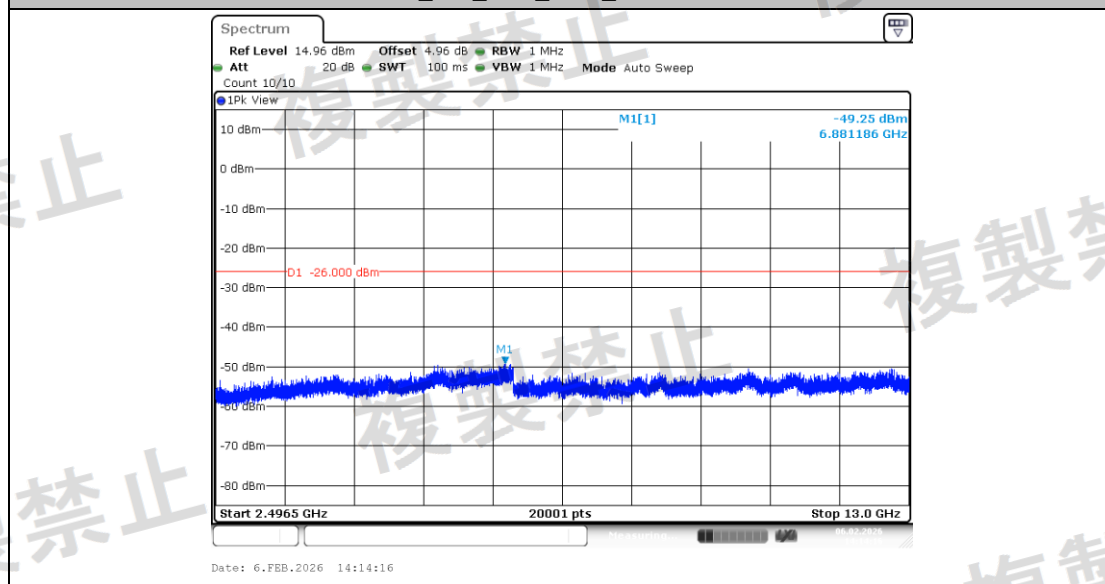
NTNV_11B_Ant1_2442_2387~2400

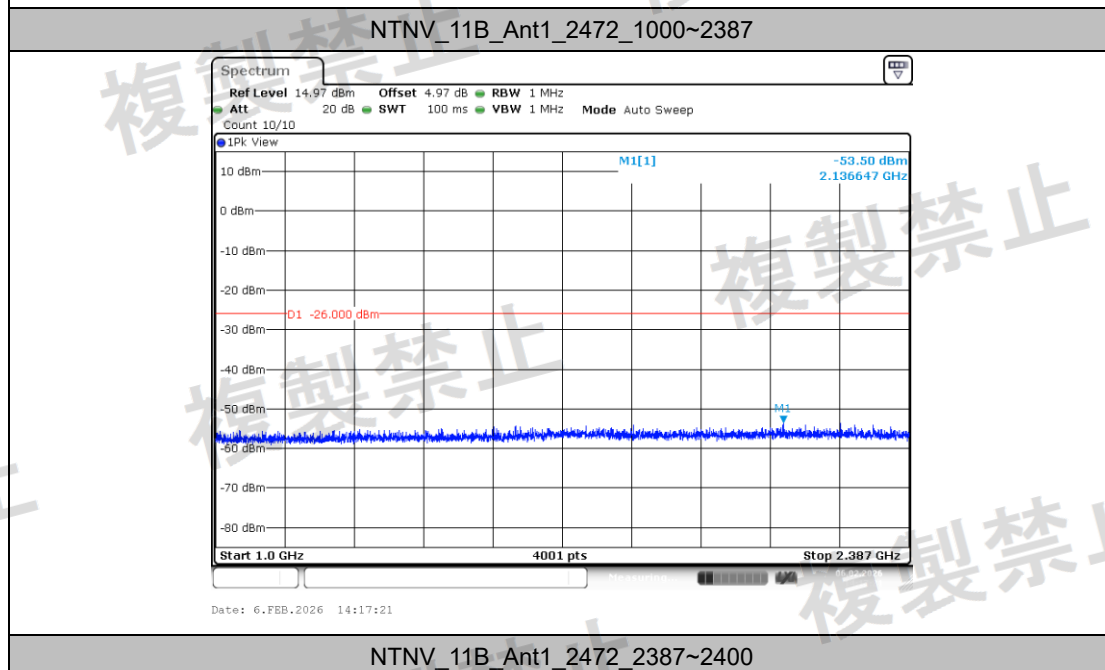
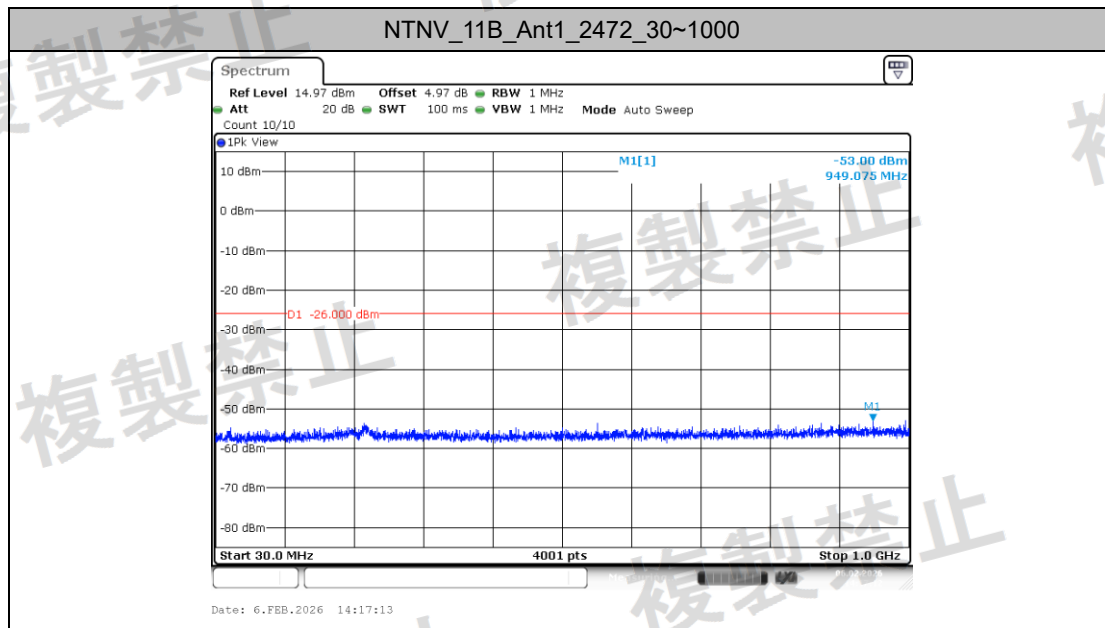


NTNV_11B_Ant1_2442_2483.5~2496.5

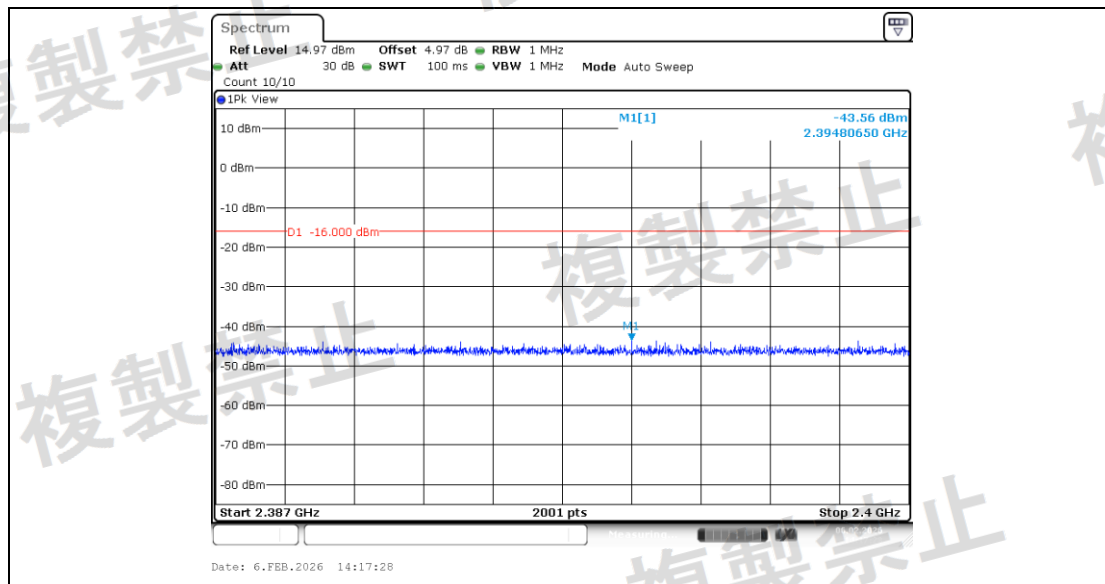


NTNV_11B_Ant1_2442_2496.5~13000

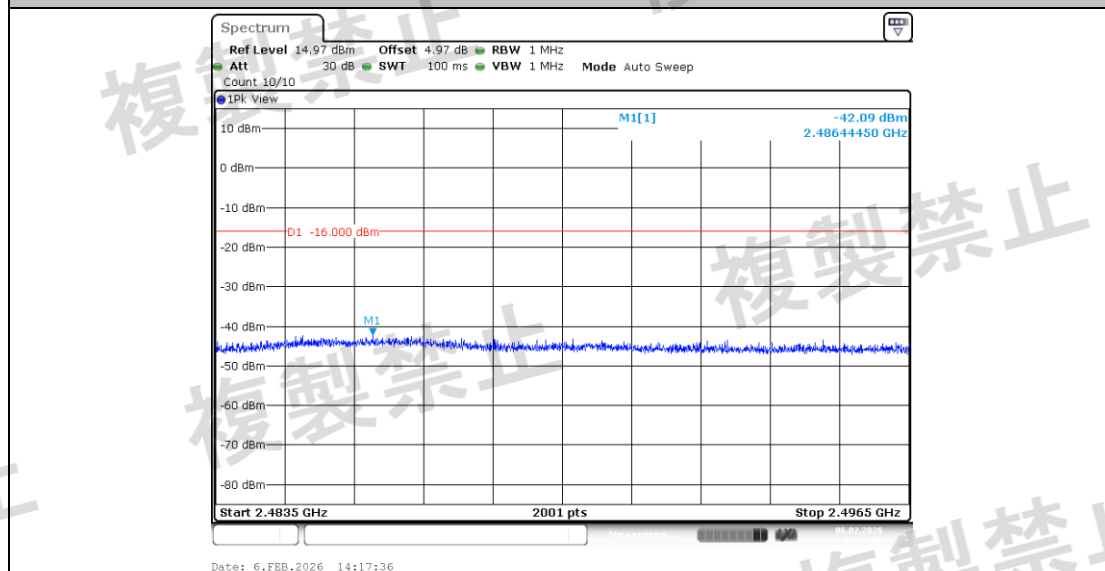




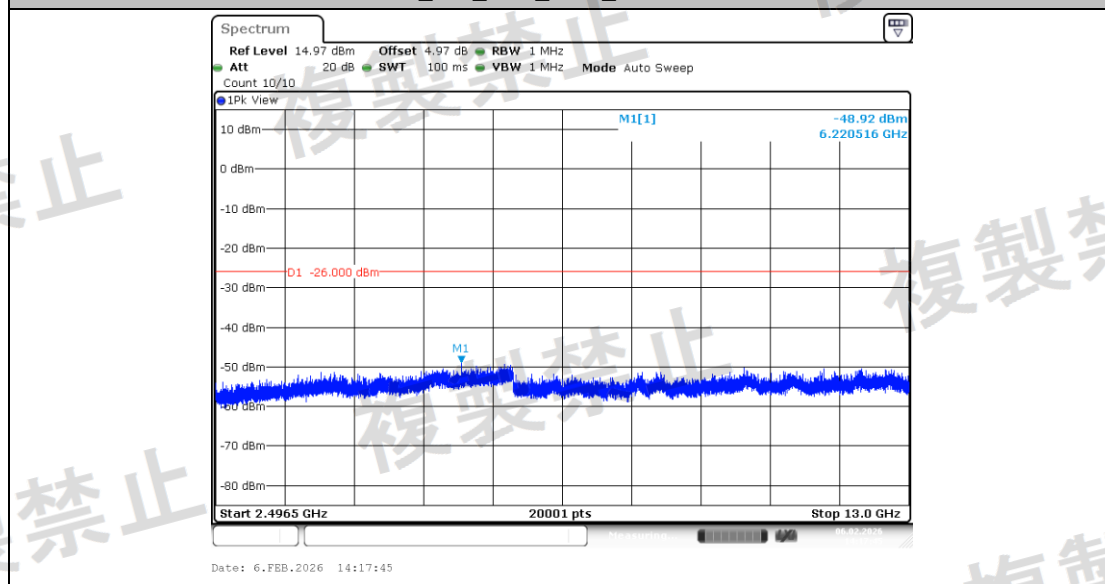
NTNV_11B_Ant1_2472_2387~2400

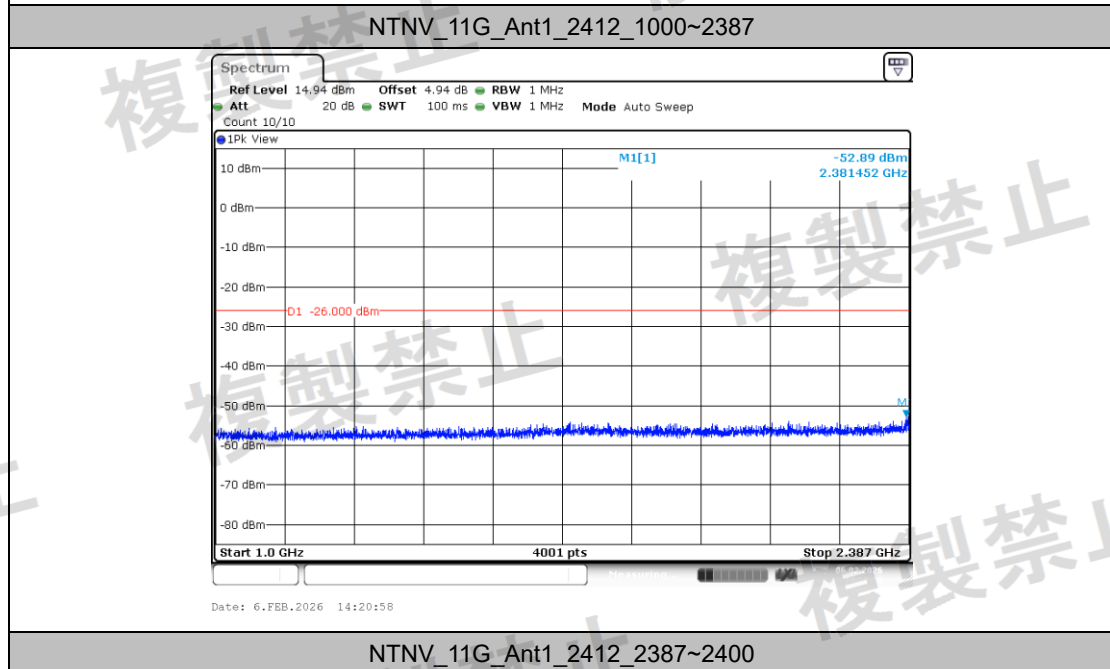
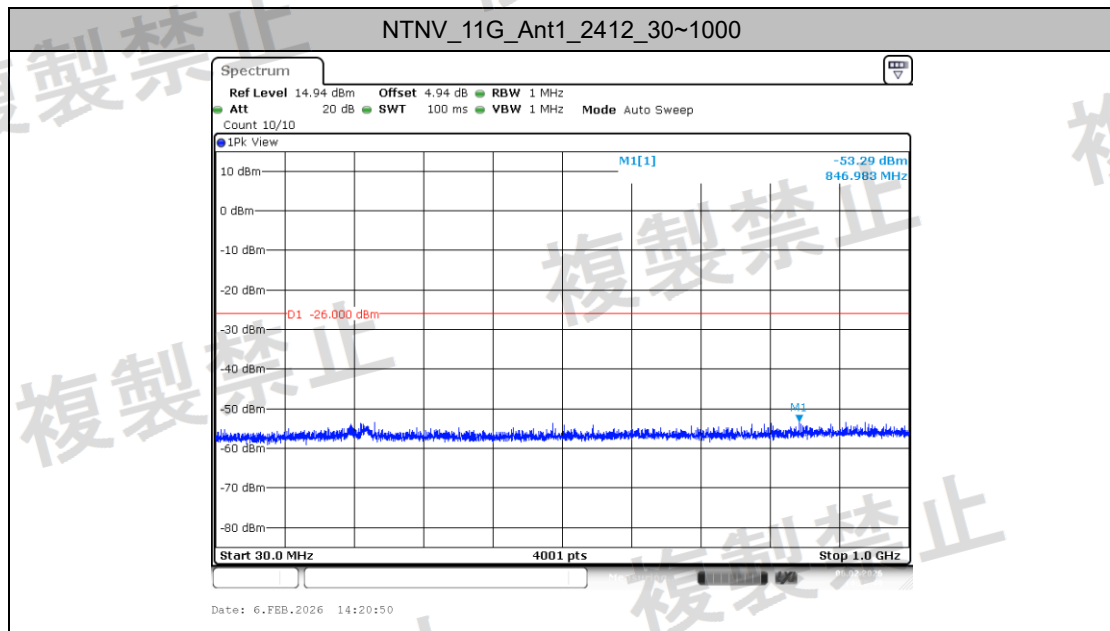


NTNV_11B_Ant1_2472_2483.5~2496.5

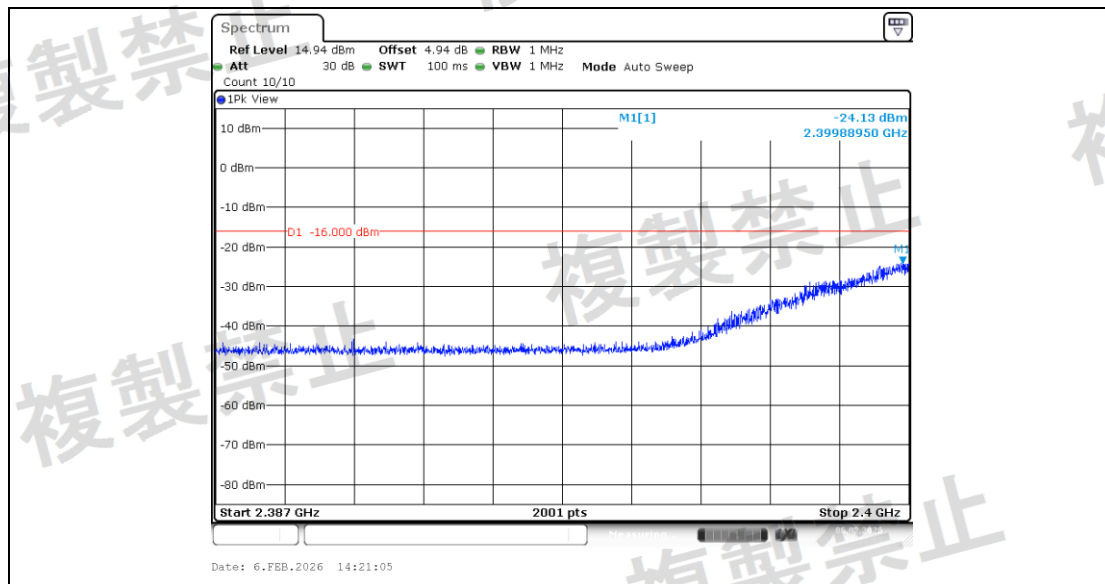


NTNV_11B_Ant1_2472_2496.5~13000

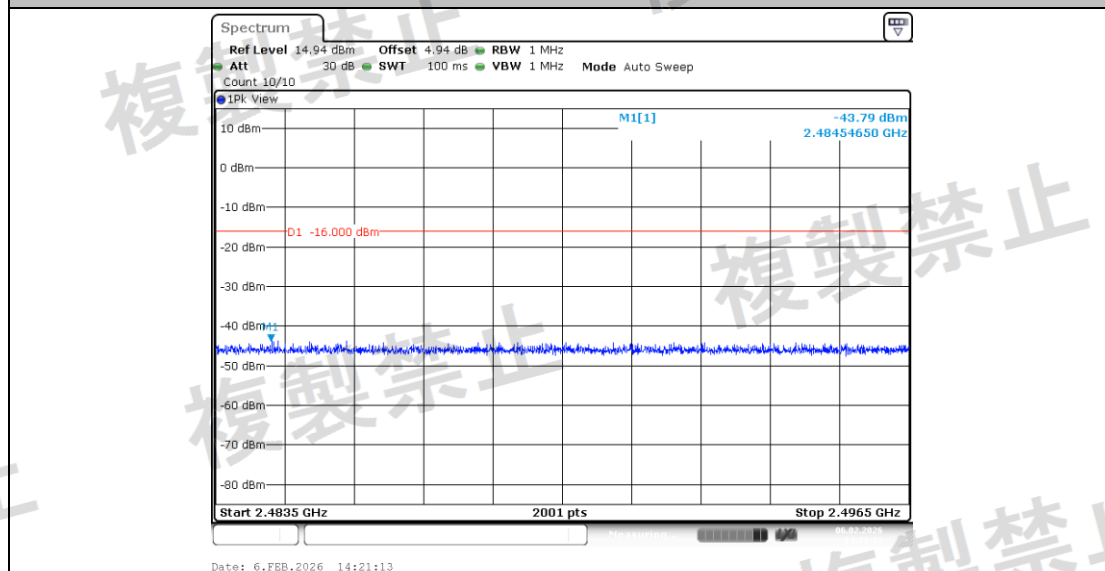




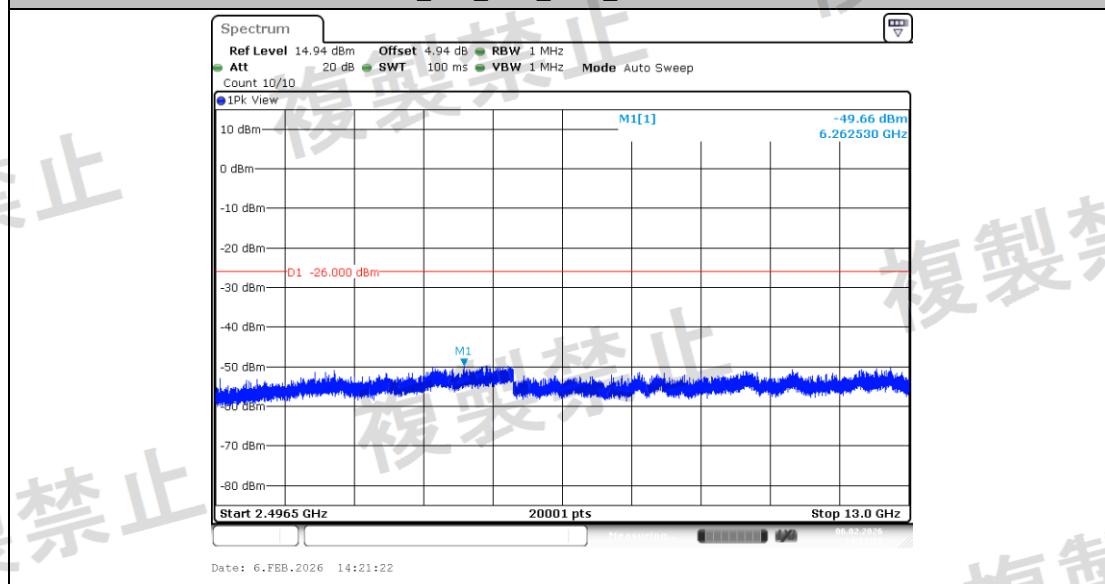
NTNV_11G_Ant1_2412_2387~2400

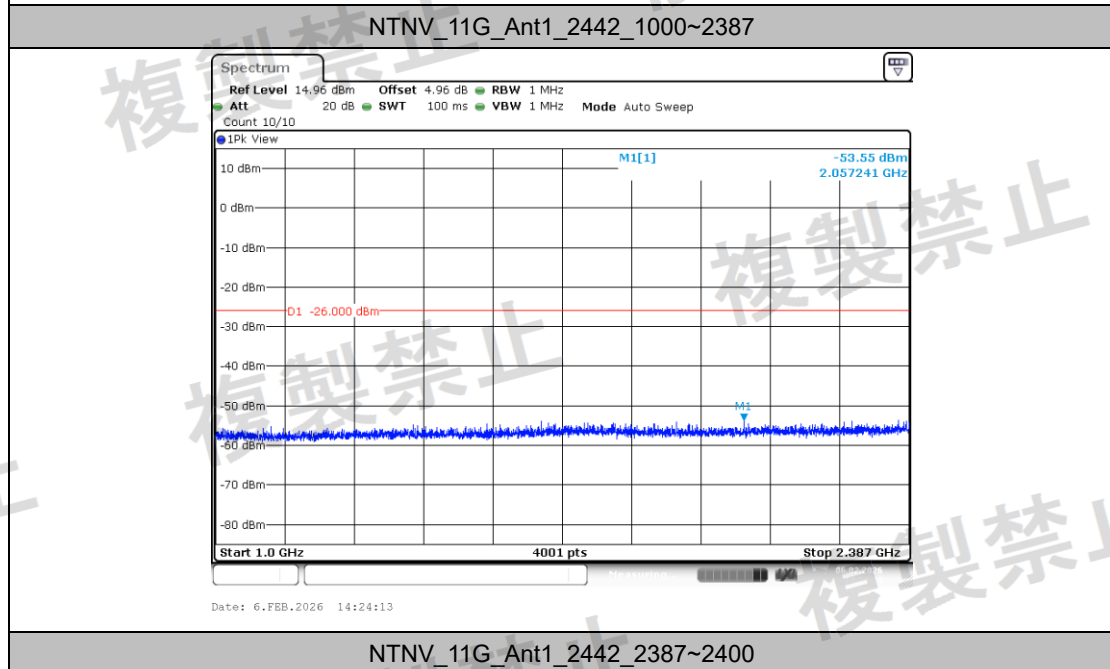
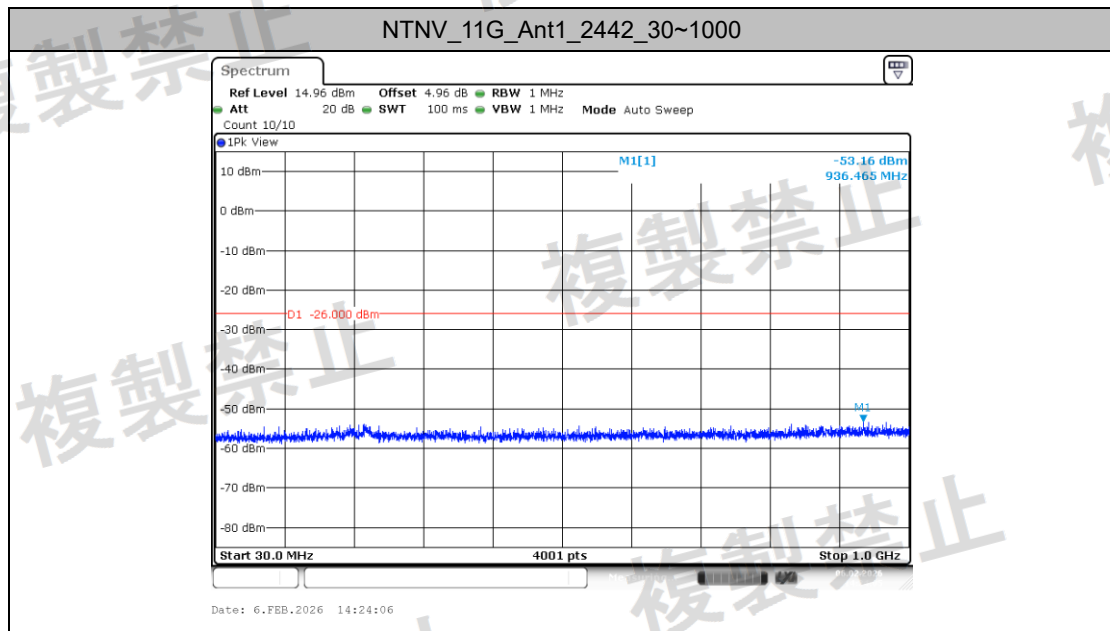


NTNV_11G_Ant1_2412_2483.5~2496.5

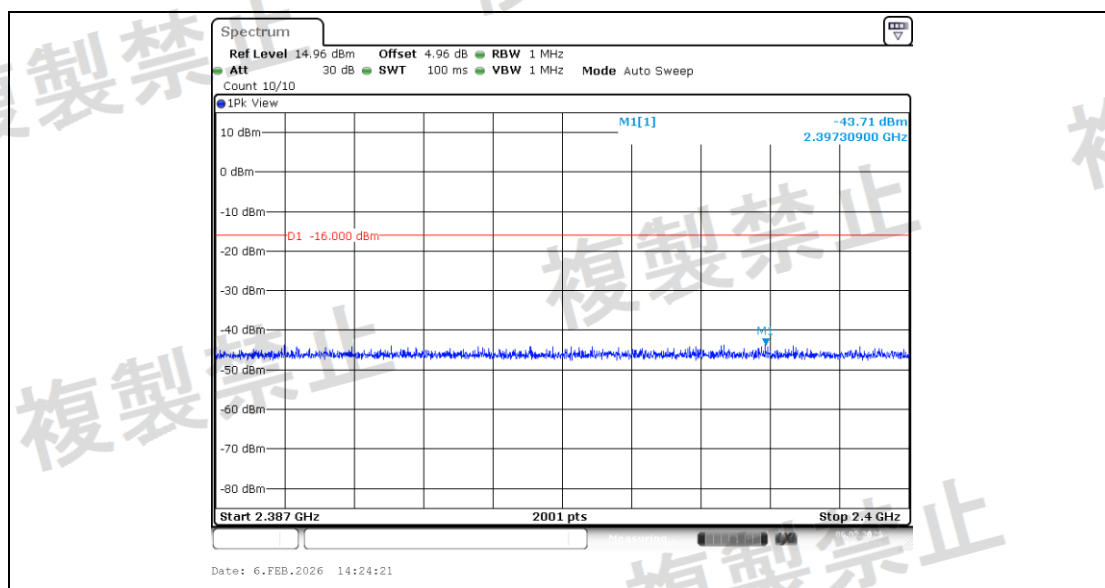


NTNV_11G_Ant1_2412_2496.5~13000

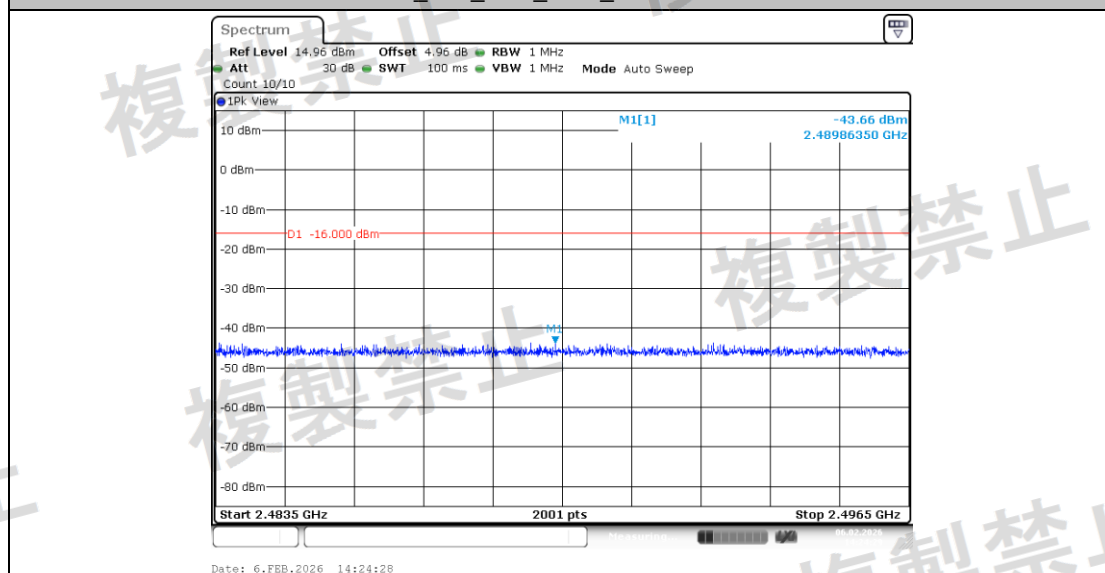




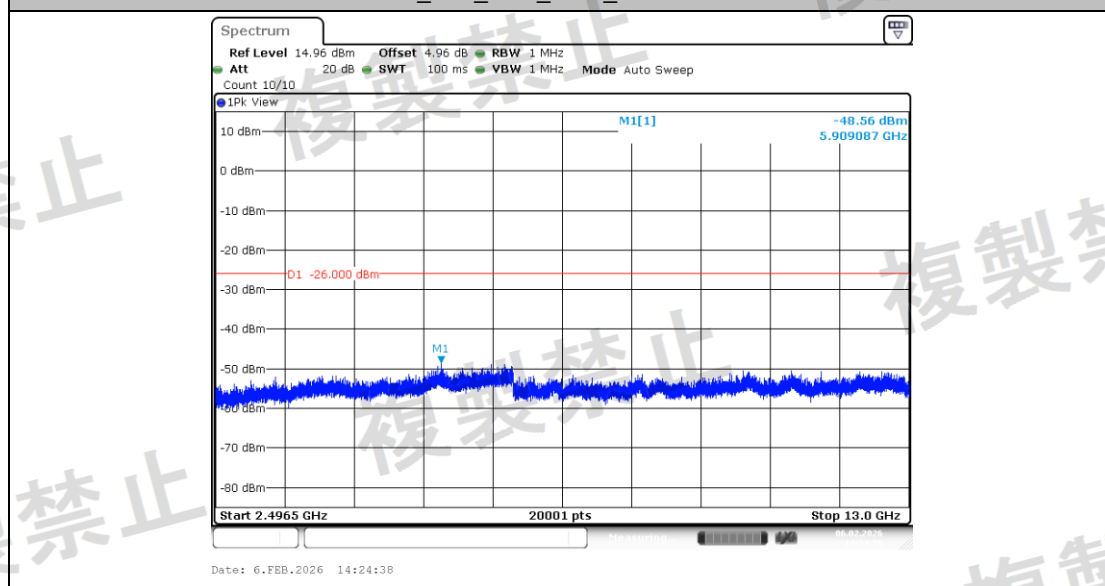
NTNV_11G_Ant1_2442_2387~2400

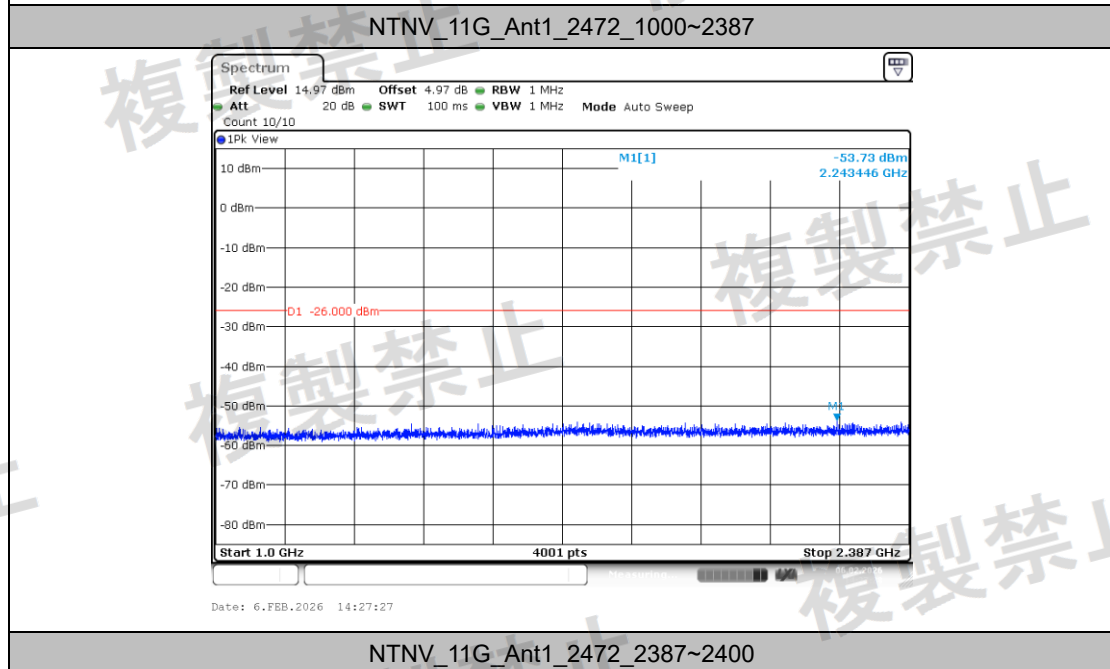
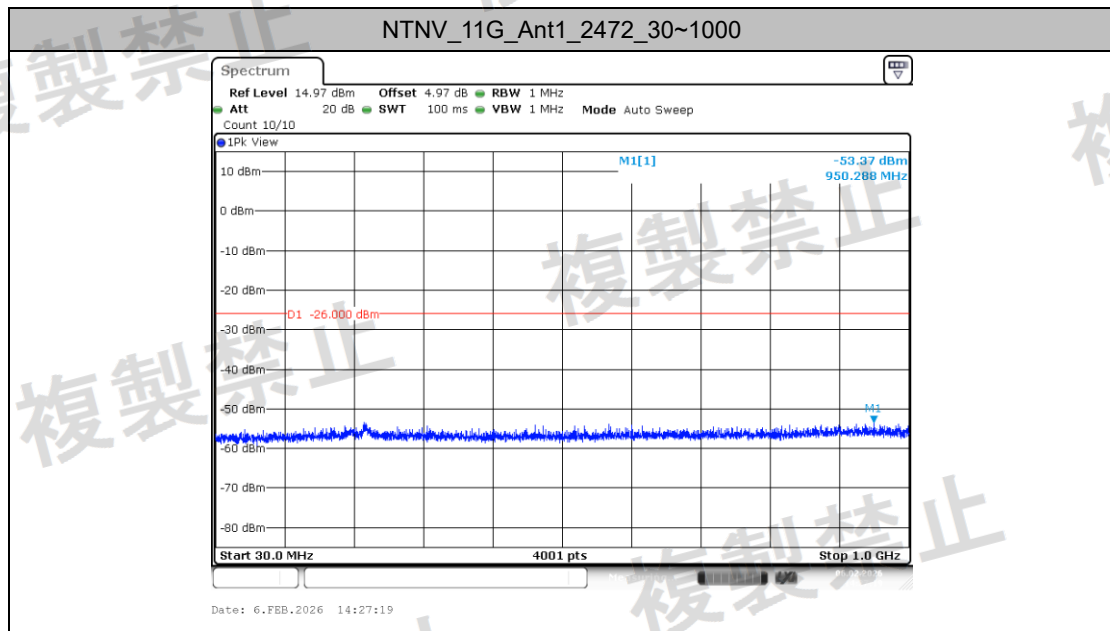


NTNV_11G_Ant1_2442_2483.5~2496.5

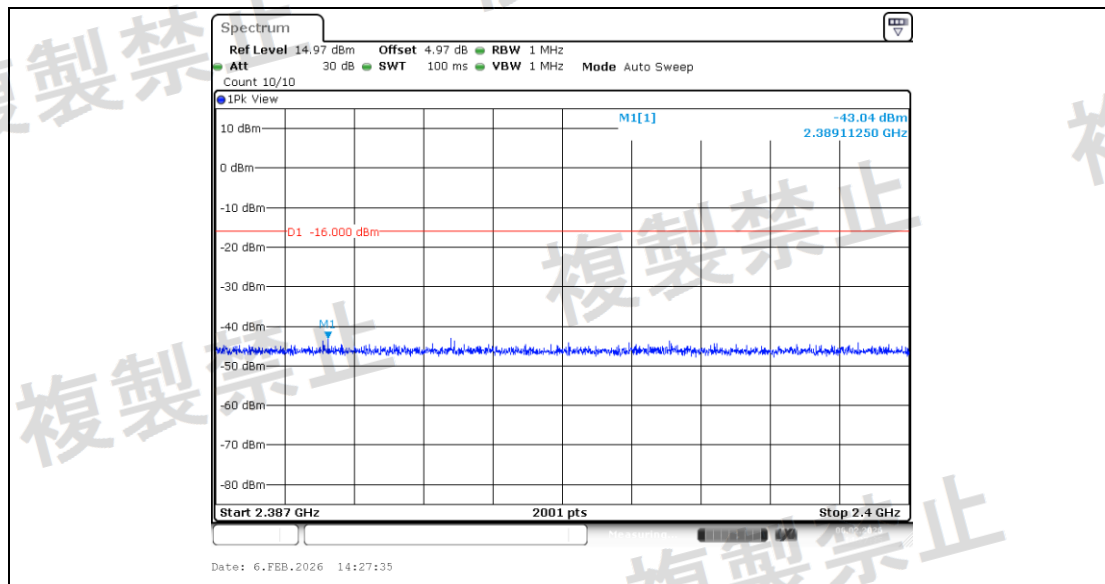


NTNV_11G_Ant1_2442_2496.5~13000

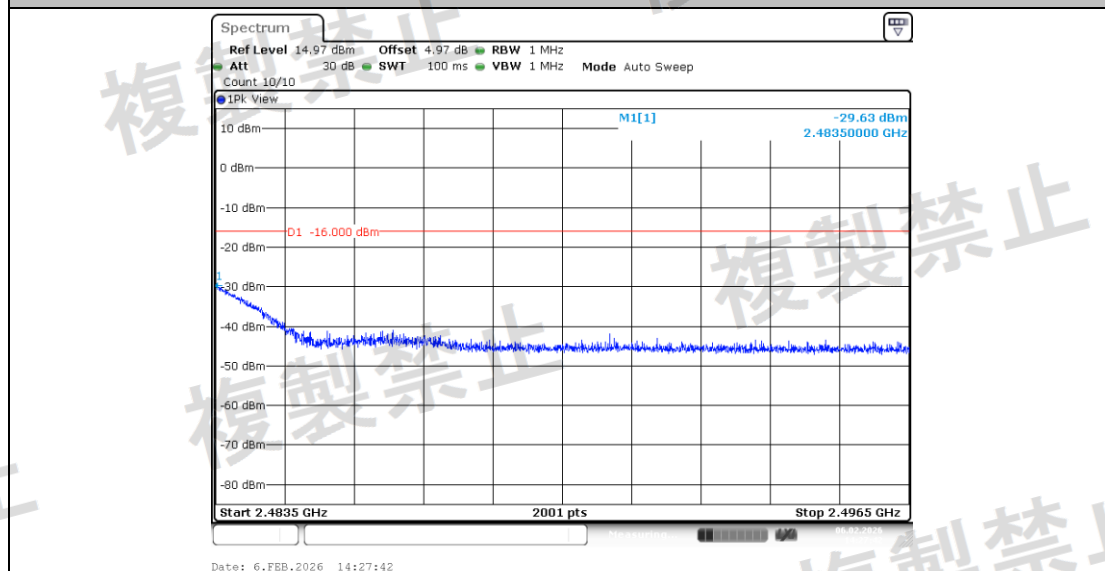




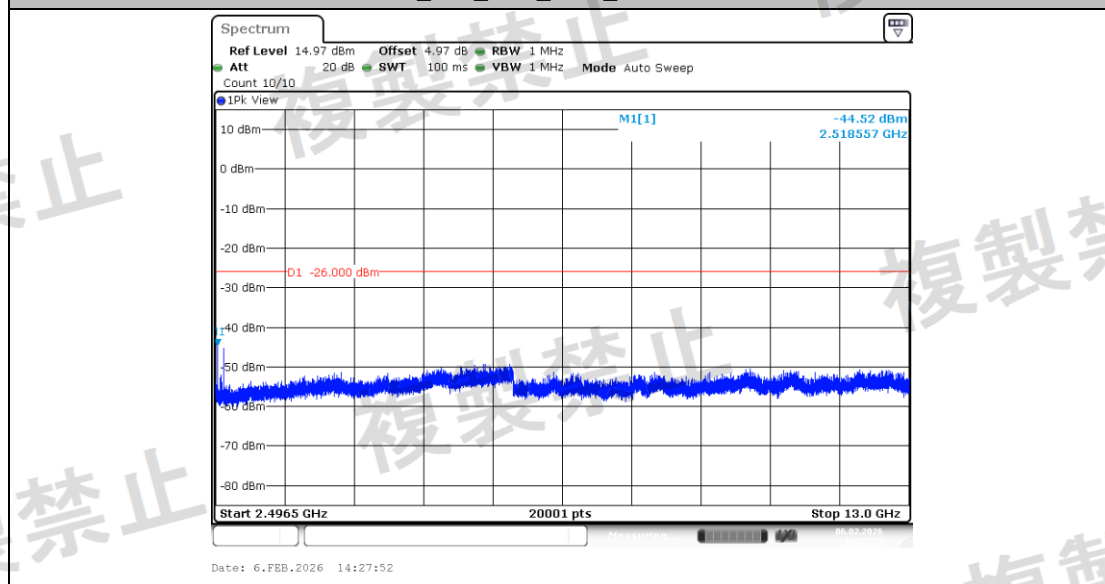
NTNV_11G_Ant1_2472_2387~2400

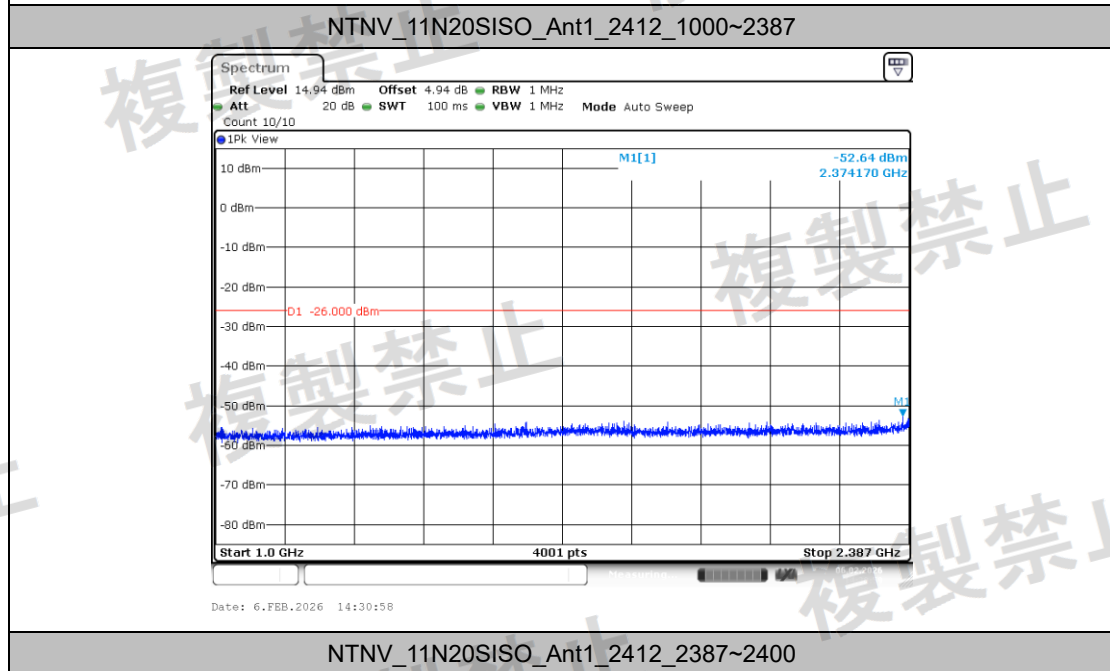
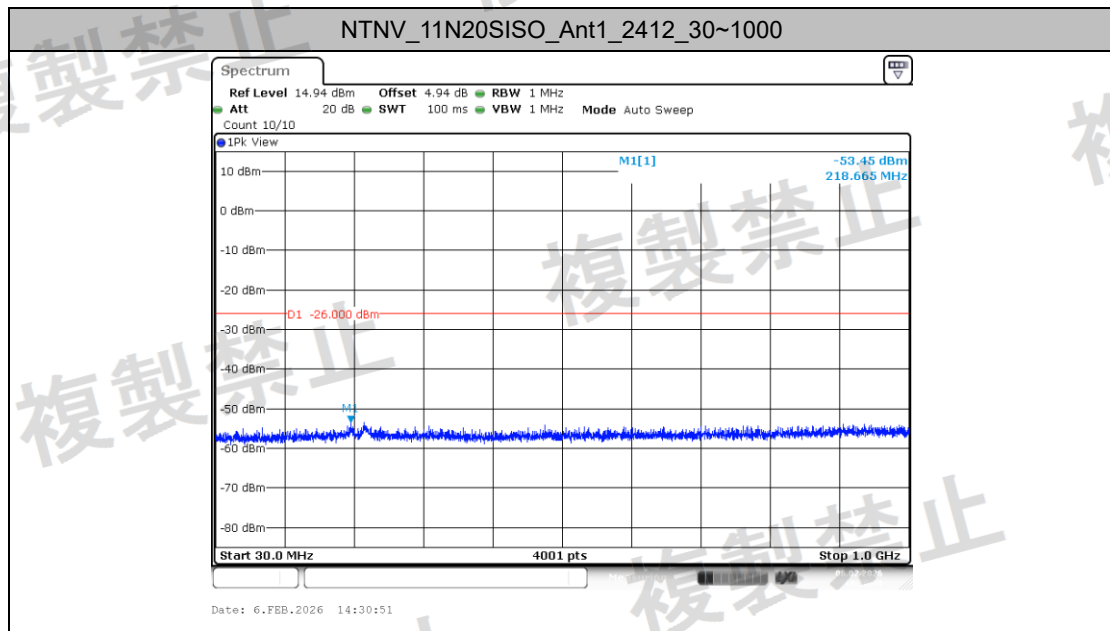


NTNV_11G_Ant1_2472_2483.5~2496.5

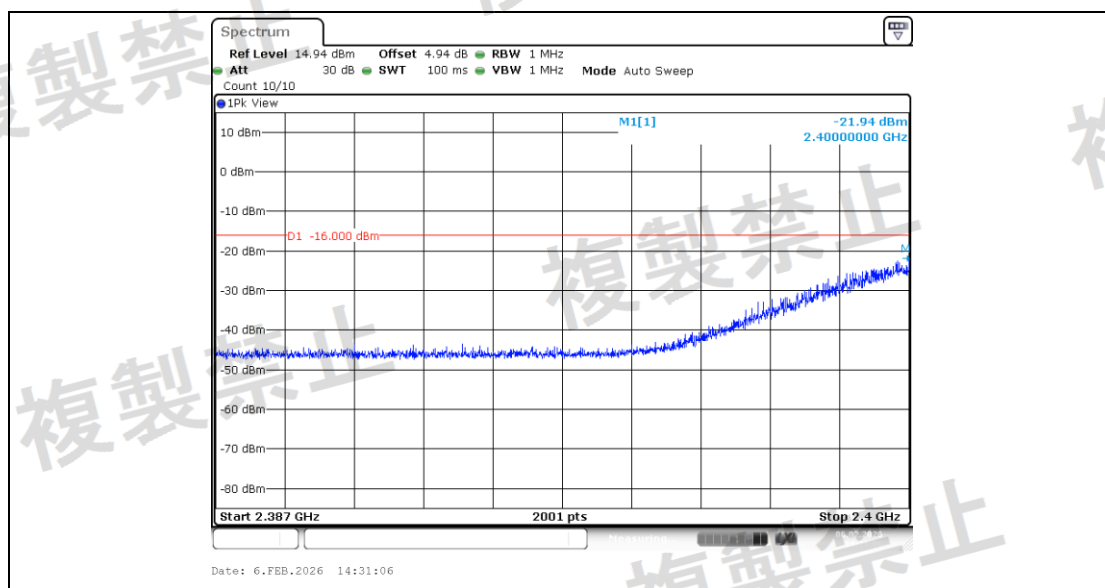


NTNV_11G_Ant1_2472_2496.5~13000

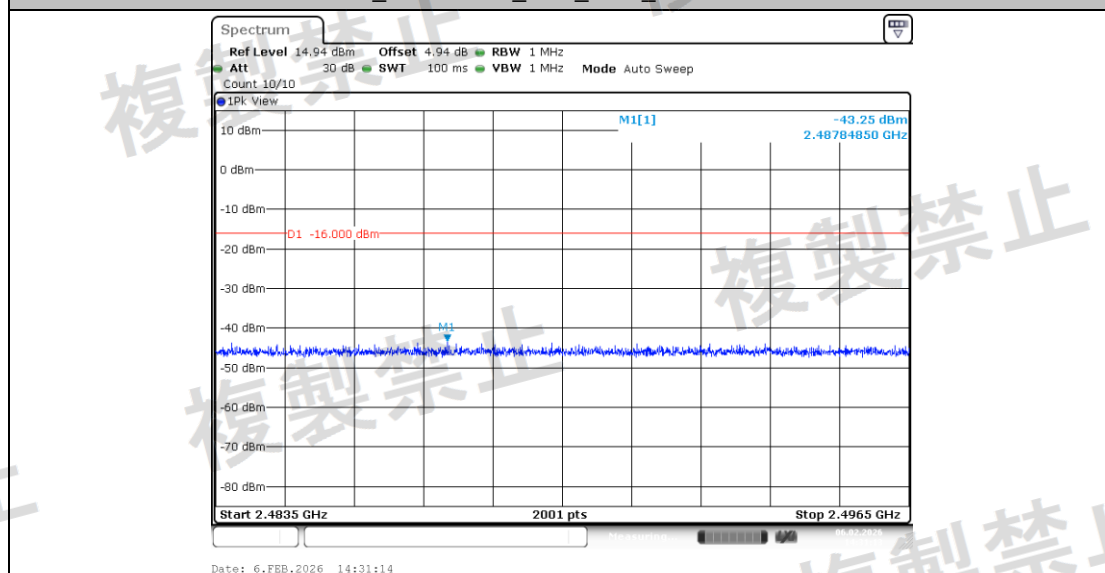




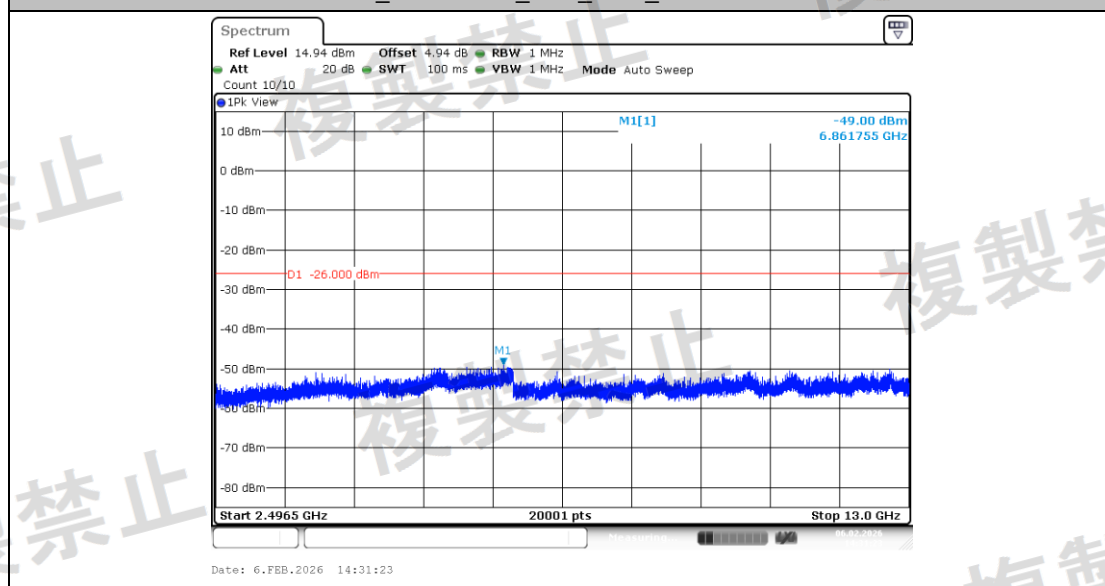
NTNV_11N20SISO_Ant1_2412_2387~2400

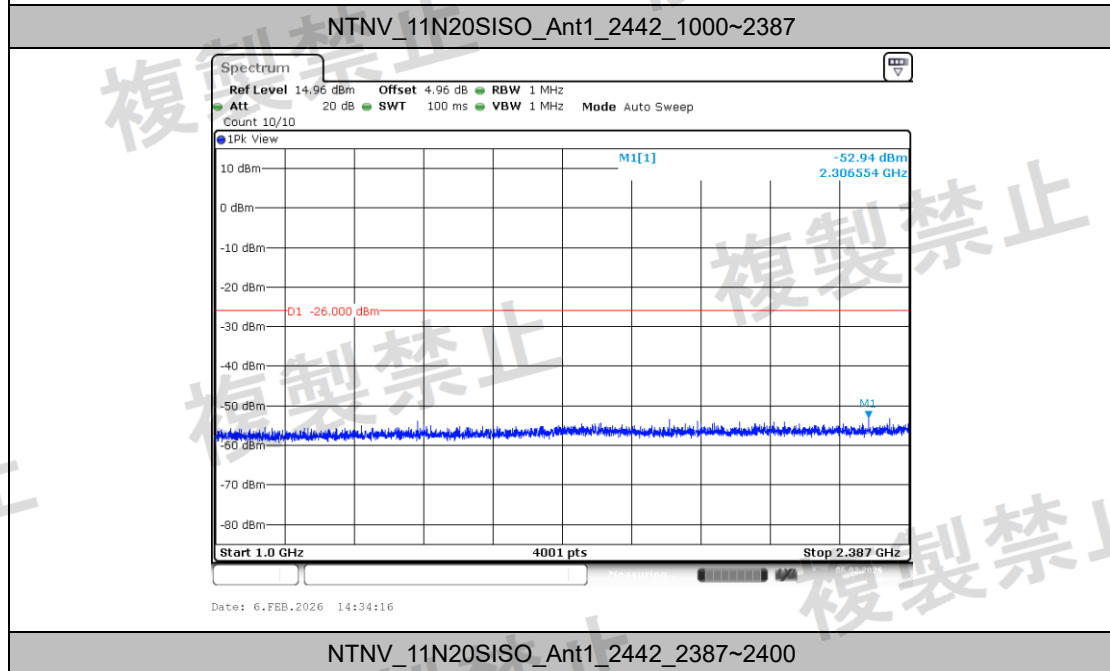
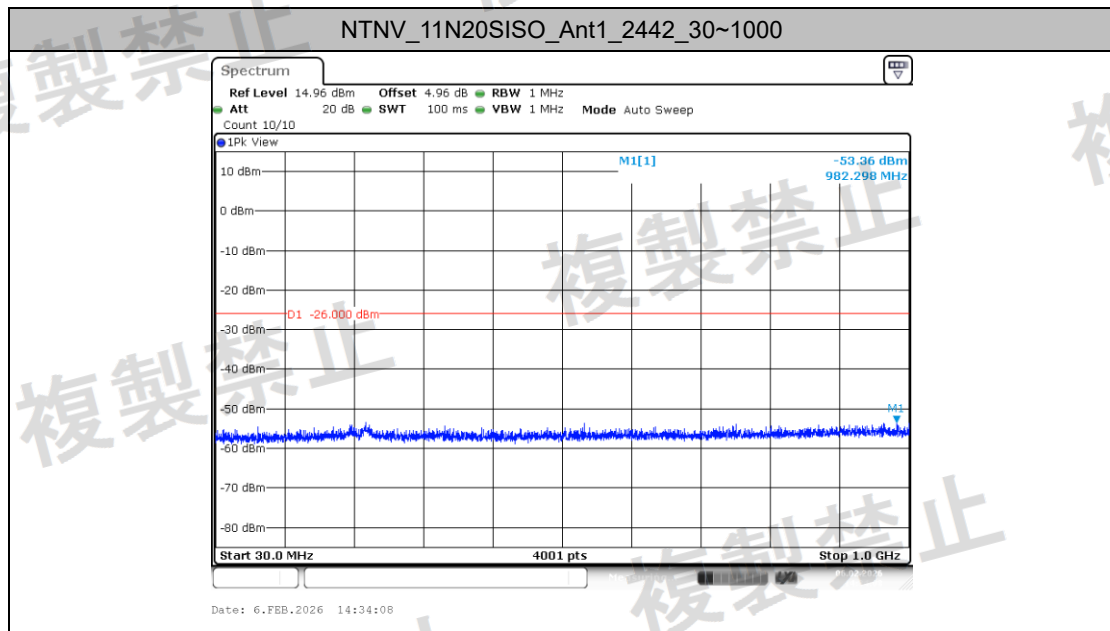


NTNV_11N20SISO_Ant1_2412_2483.5~2496.5

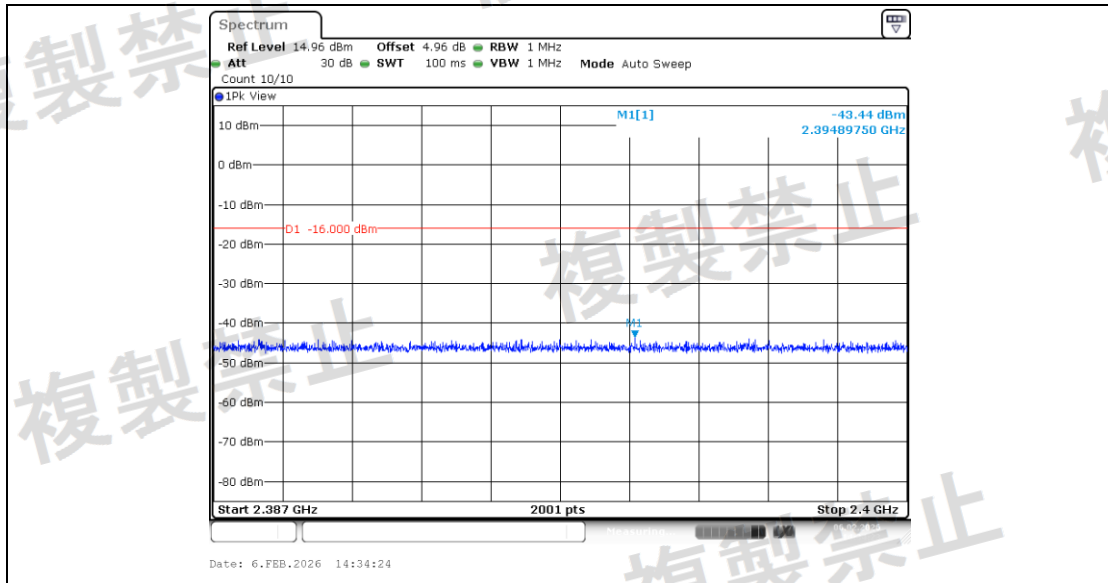


NTNV_11N20SISO_Ant1_2412_2496.5~13000

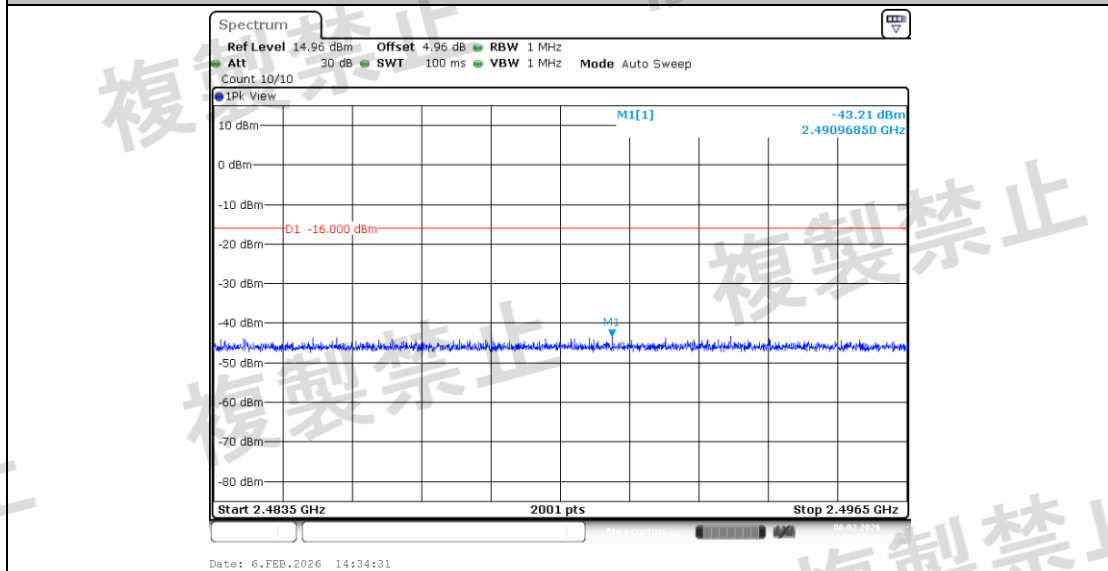




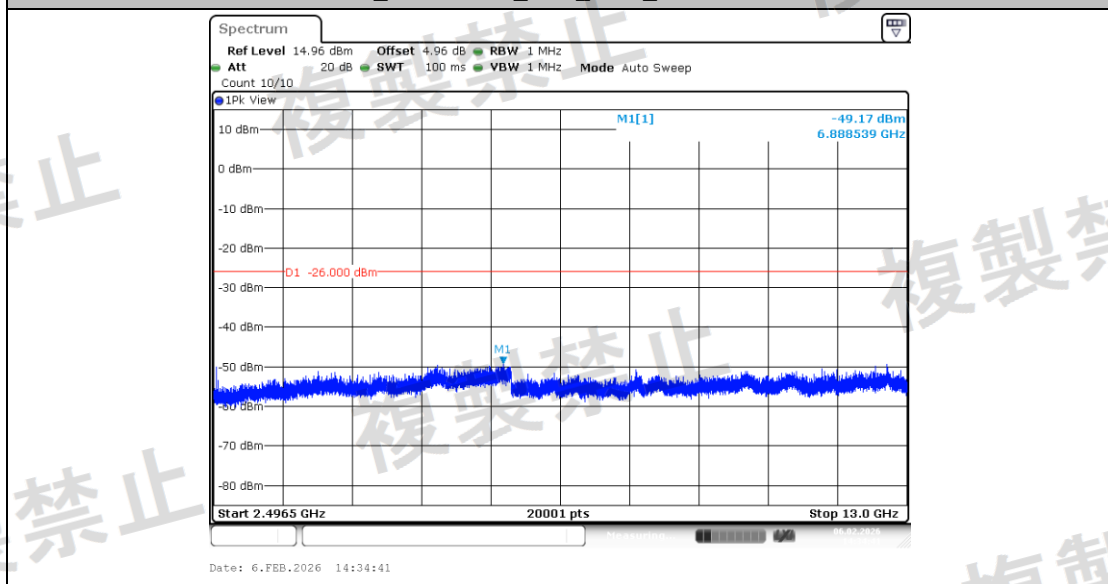
NTNV_11N20SISO_Ant1_2442_2387~2400

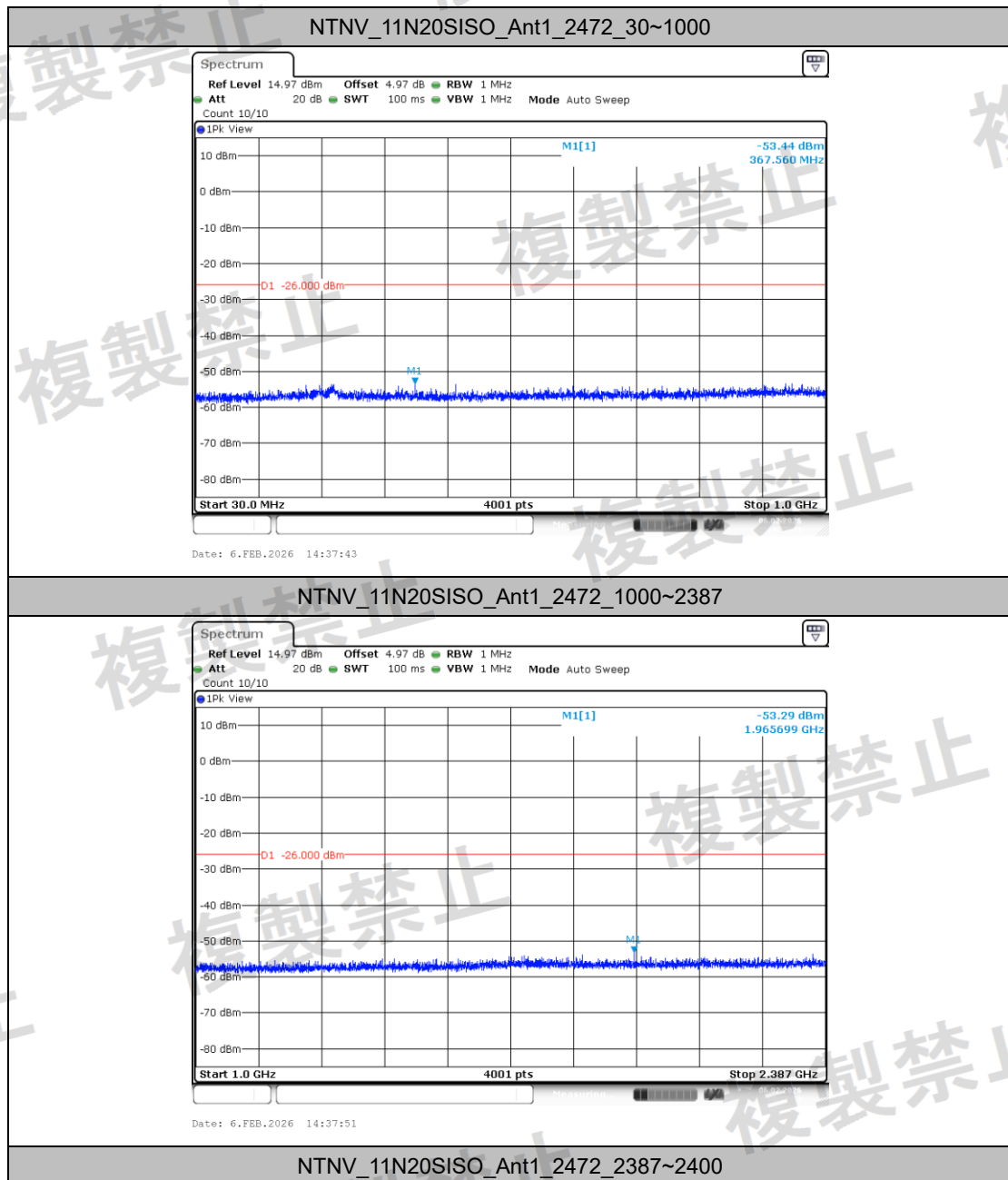


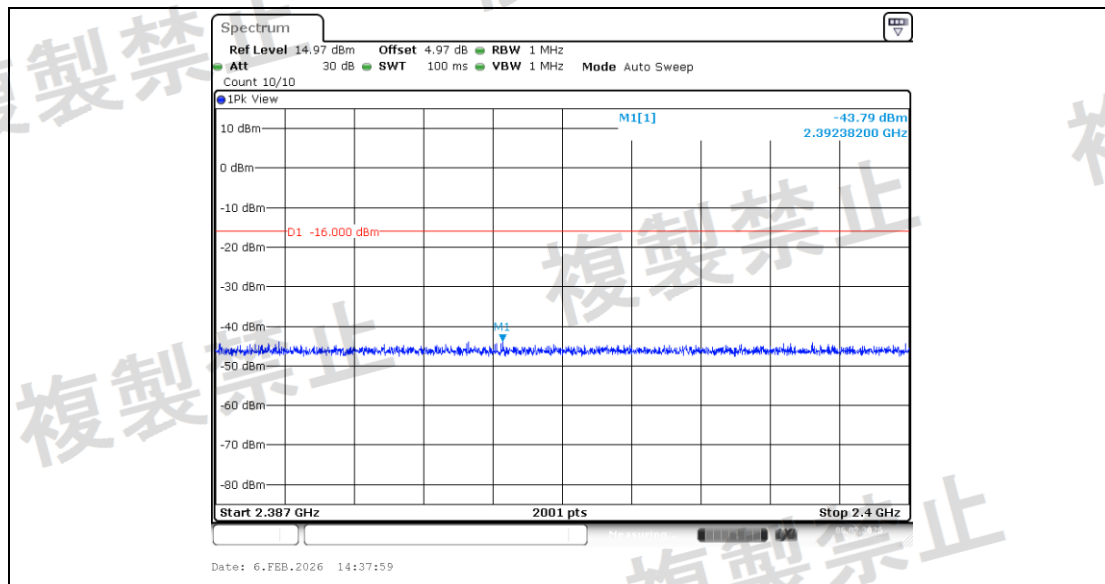
NTNV_11N20SISO_Ant1_2442_2483.5~2496.5



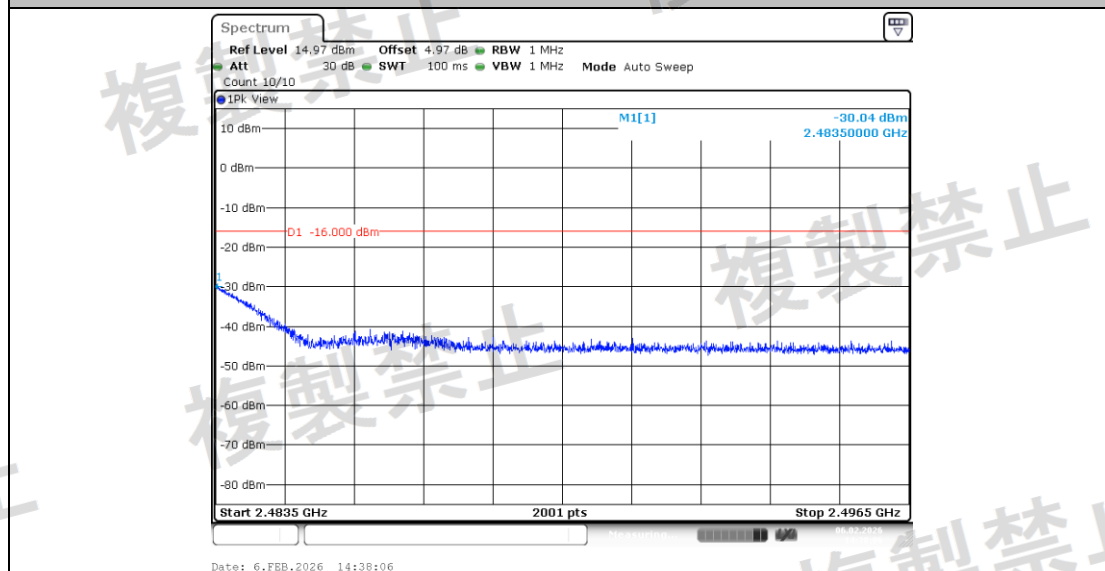
NTNV_11N20SISO_Ant1_2442_2496.5~13000



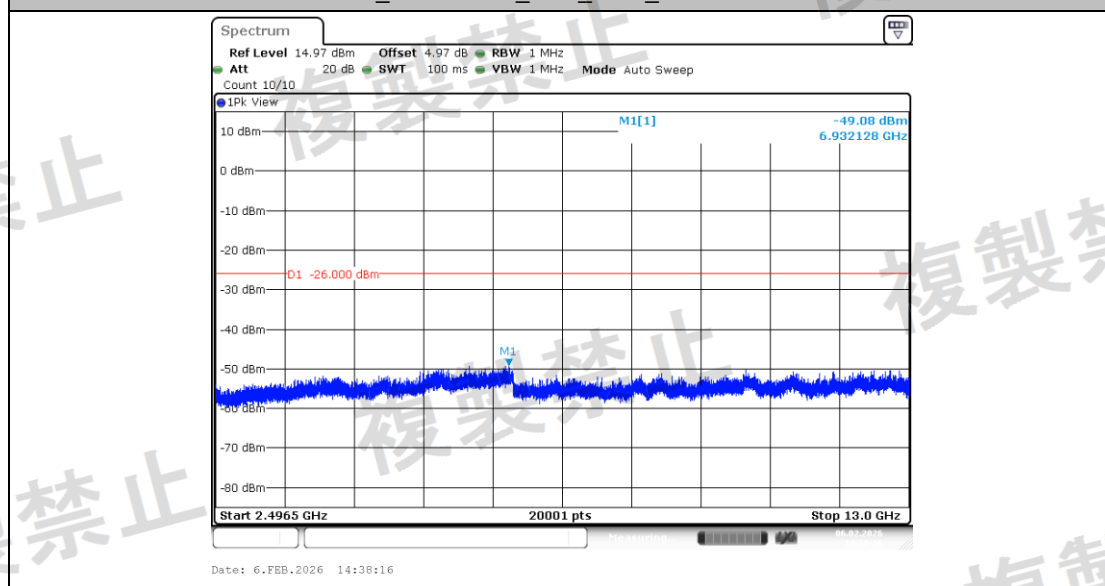




NTNV_11N20SISO_Ant1_2472_2483.5~2496.5



NTNV_11N20SISO_Ant1_2472_2496.5~13000

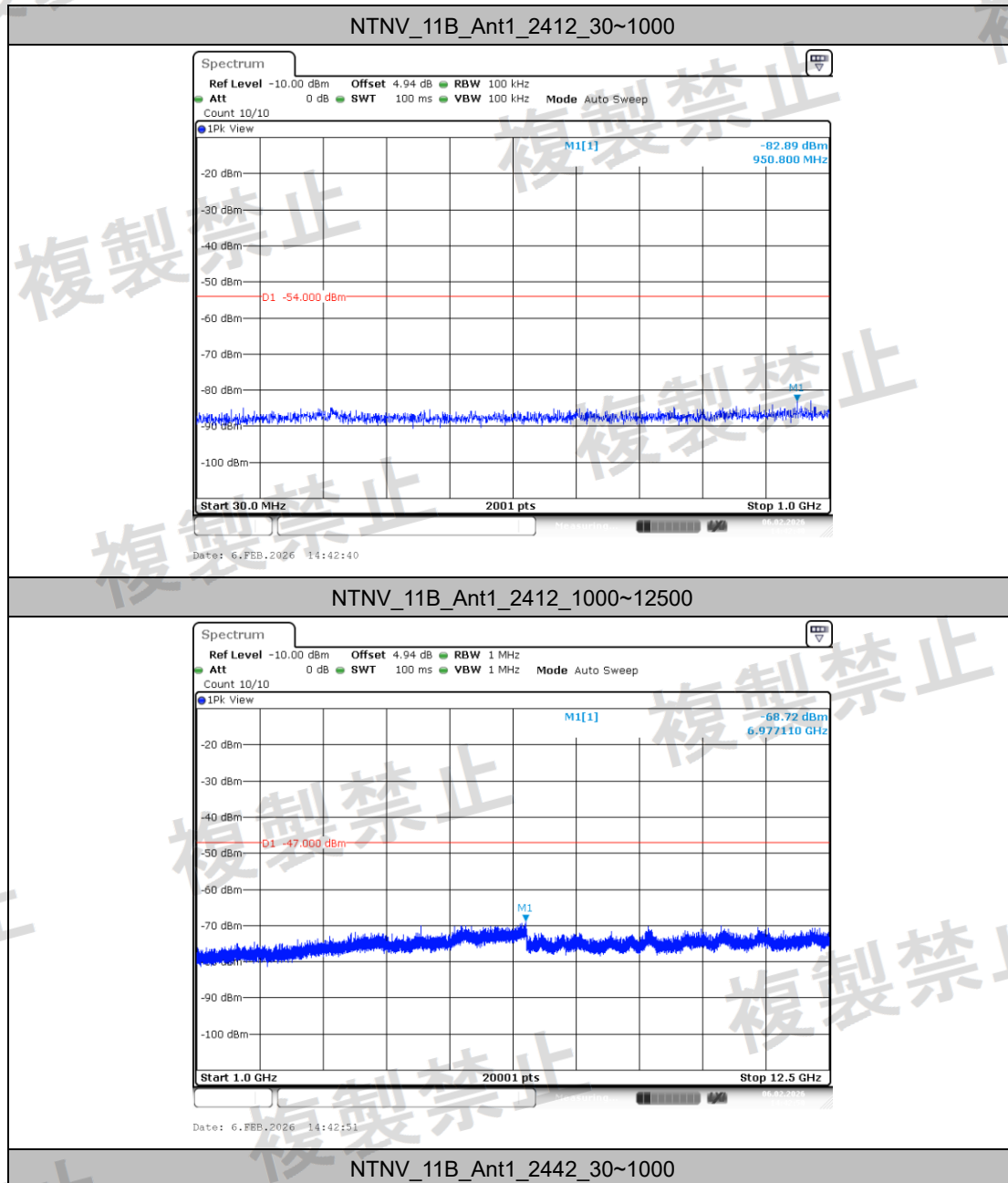


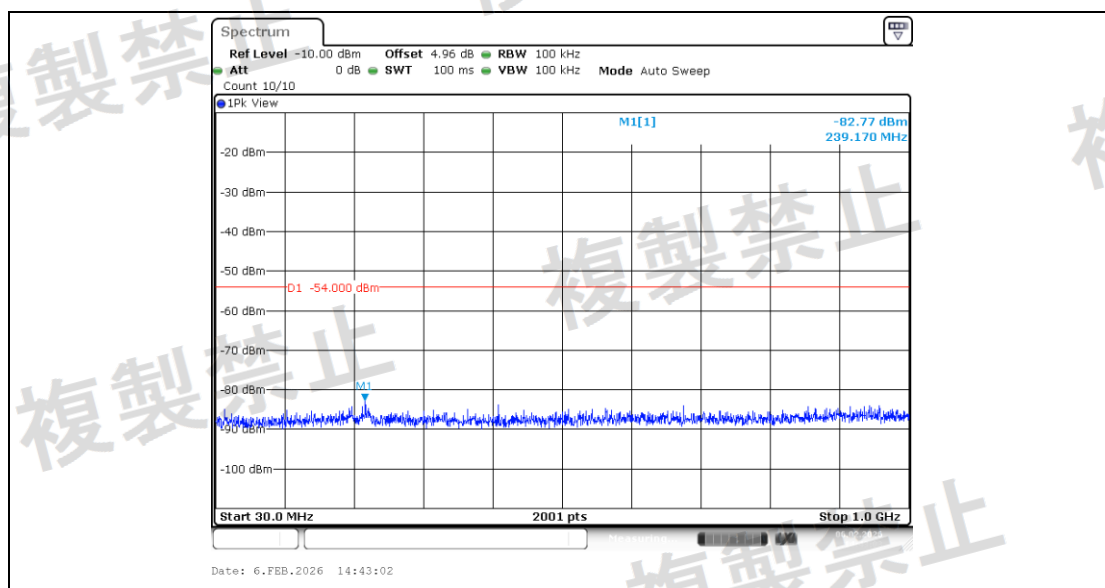
Appendix E: Spurious Emission of RX

Test Result

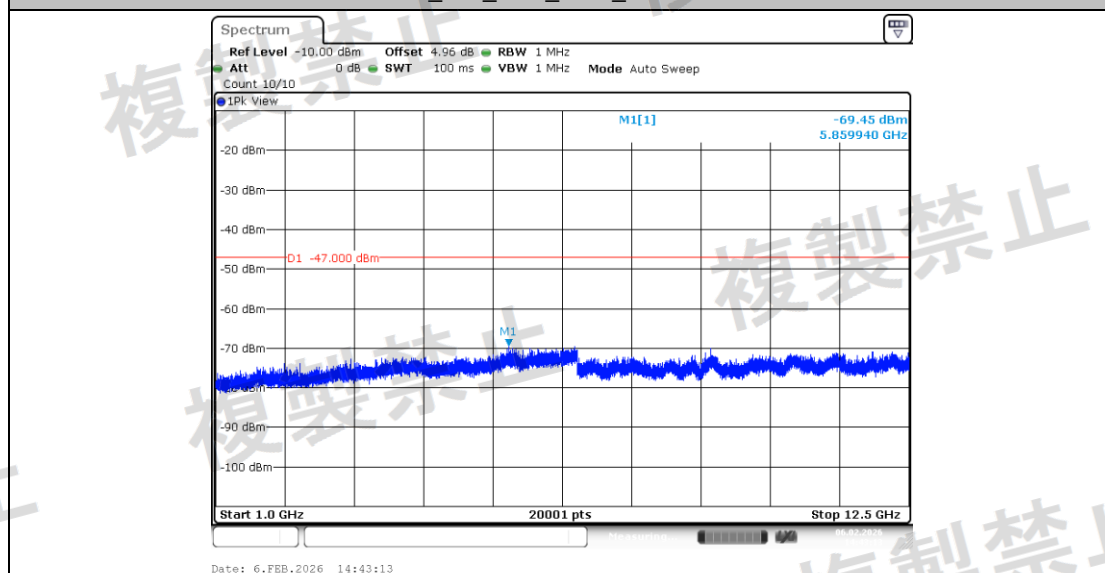
TestCondition	TestMode	Antenna	Channel (MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	11B	Ant1	2412	30~1000	950.80	-82.89	≤-54	0.00514	≤4	PASS
				1000~12500	6977.11	-68.72	≤-47	0.13428	≤20	PASS
			2442	30~1000	239.17	-82.77	≤-54	0.00528	≤4	PASS
				1000~12500	5859.94	-69.45	≤-47	0.11350	≤20	PASS
			2472	30~1000	698.24	-82.24	≤-54	0.00597	≤4	PASS
				1000~12500	6988.61	-69.25	≤-47	0.11885	≤20	PASS
	11G	Ant1	2412	30~1000	241.11	-84.48	≤-54	0.00356	≤4	PASS
				1000~12500	5800.15	-69.35	≤-47	0.11614	≤20	PASS
			2442	30~1000	935.77	-83.88	≤-54	0.00409	≤4	PASS
				1000~12500	6936.29	-68.88	≤-47	0.12942	≤20	PASS
			2472	30~1000	888.26	-83.96	≤-54	0.00402	≤4	PASS
				1000~12500	6969.64	-69.20	≤-47	0.12023	≤20	PASS
	11N20SI SO	Ant1	2412	30~1000	968.25	-83.52	≤-54	0.00445	≤4	PASS
				1000~12500	6886.27	-69.14	≤-47	0.12190	≤20	PASS
			2442	30~1000	235.29	-83.25	≤-54	0.00473	≤4	PASS
				1000~12500	6858.67	-69.28	≤-47	0.11803	≤20	PASS
			2472	30~1000	948.86	-82.89	≤-54	0.00514	≤4	PASS
				1000~12500	6915.59	-68.62	≤-47	0.13740	≤20	PASS

Test Graphs

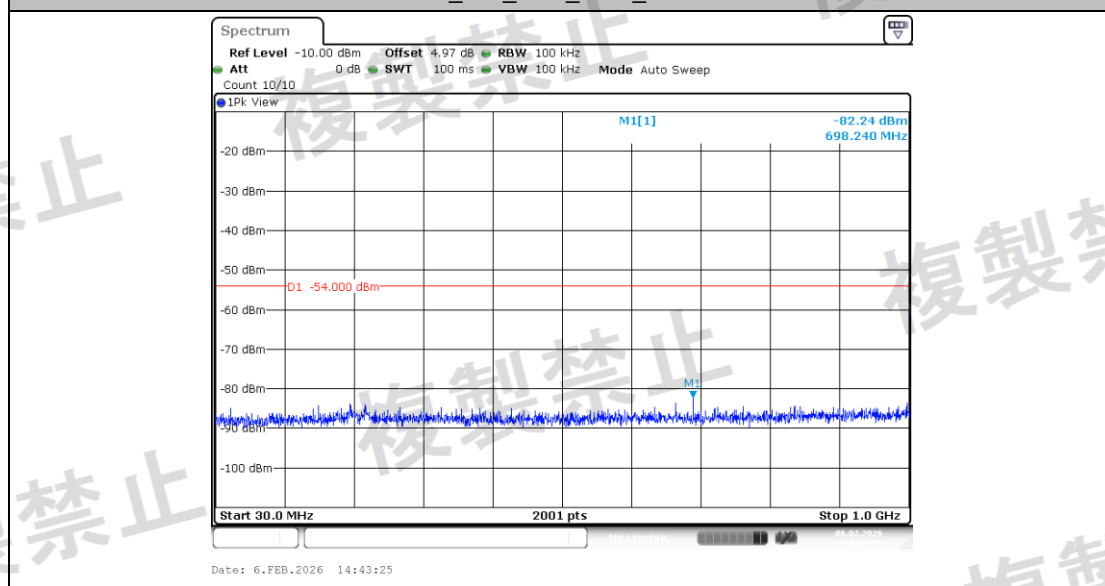


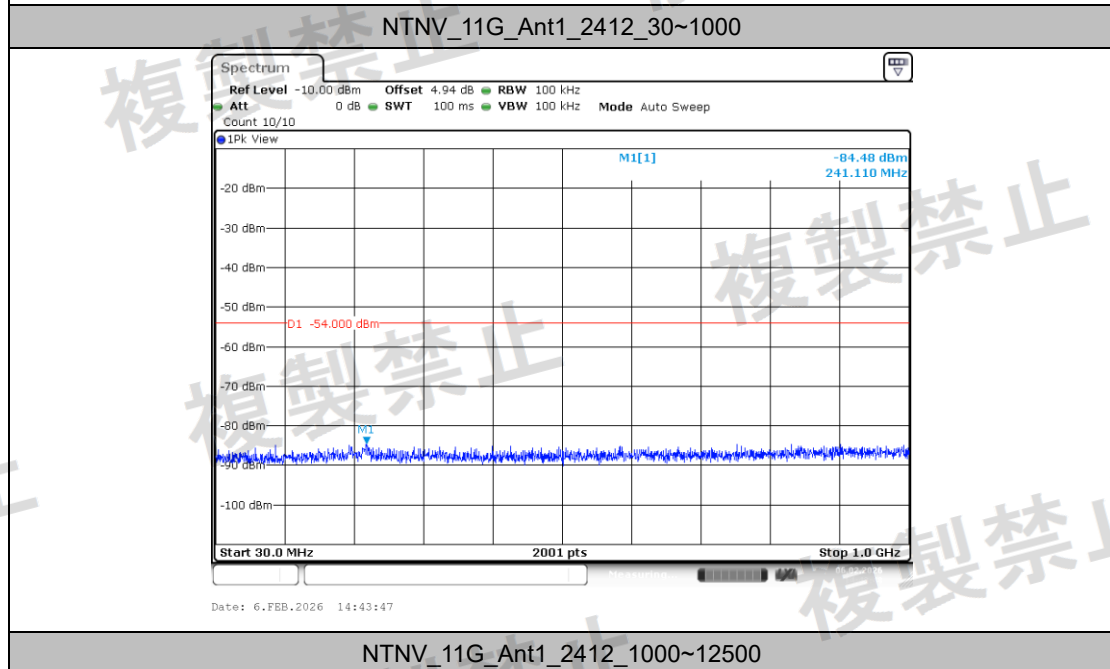
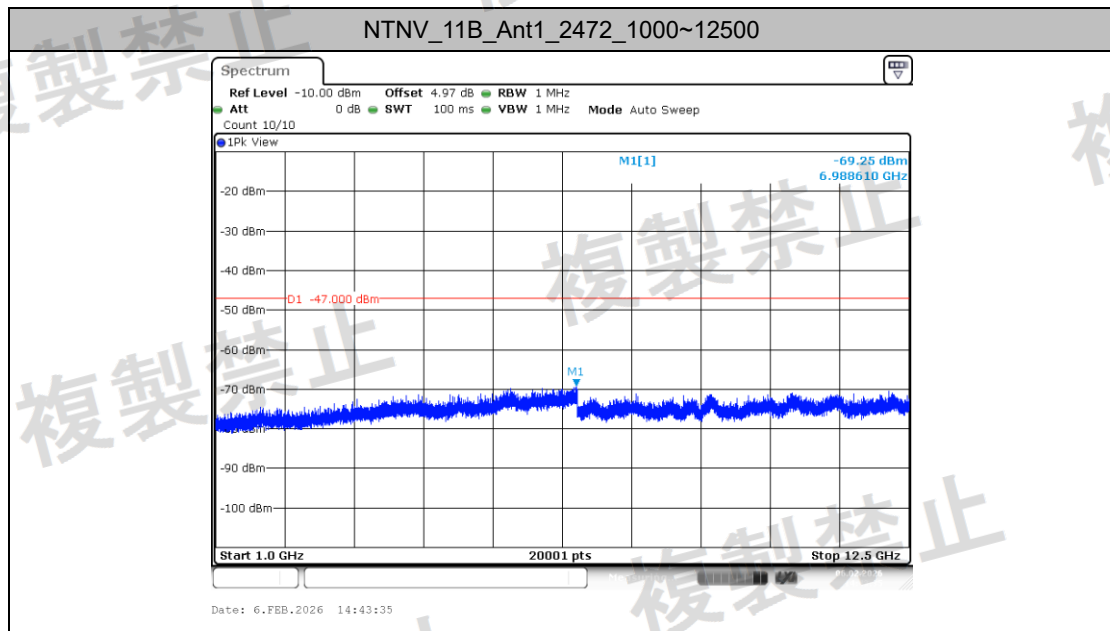


NTNV_11B_Ant1_2442_1000~12500

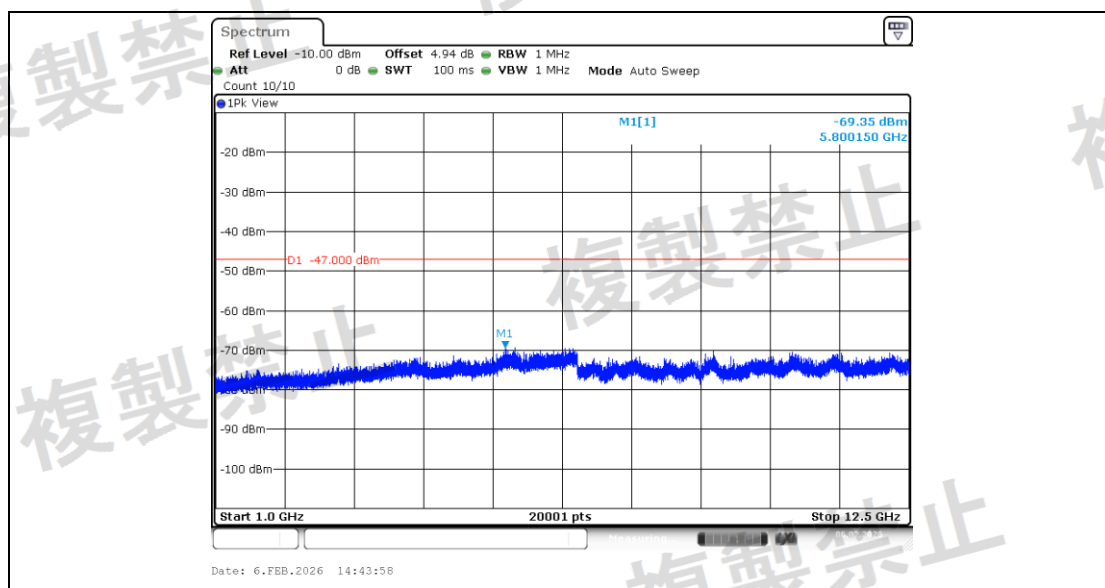


NTNV_11B_Ant1_2472_30~1000

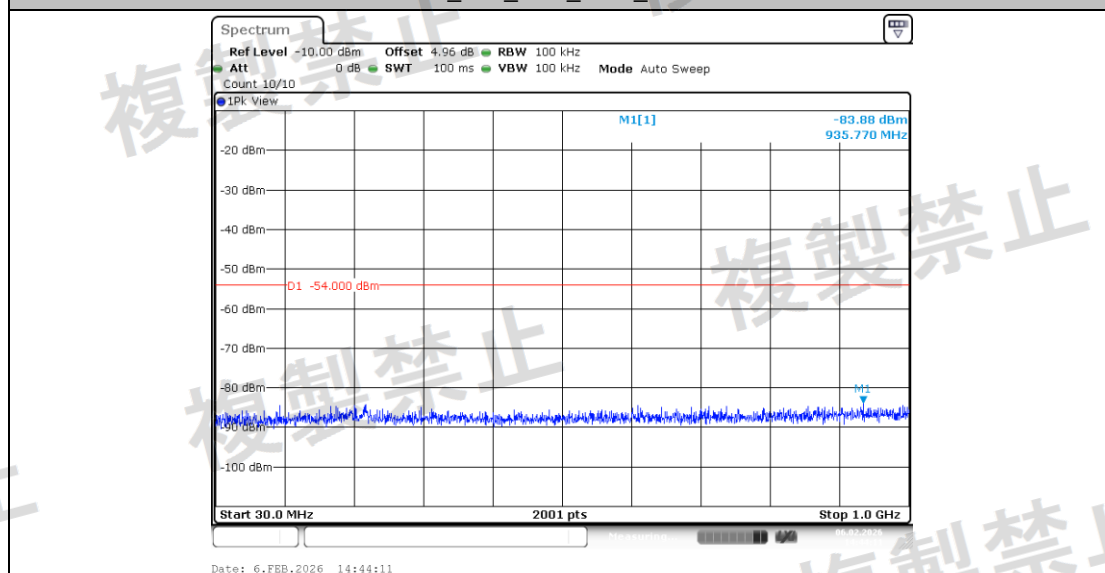




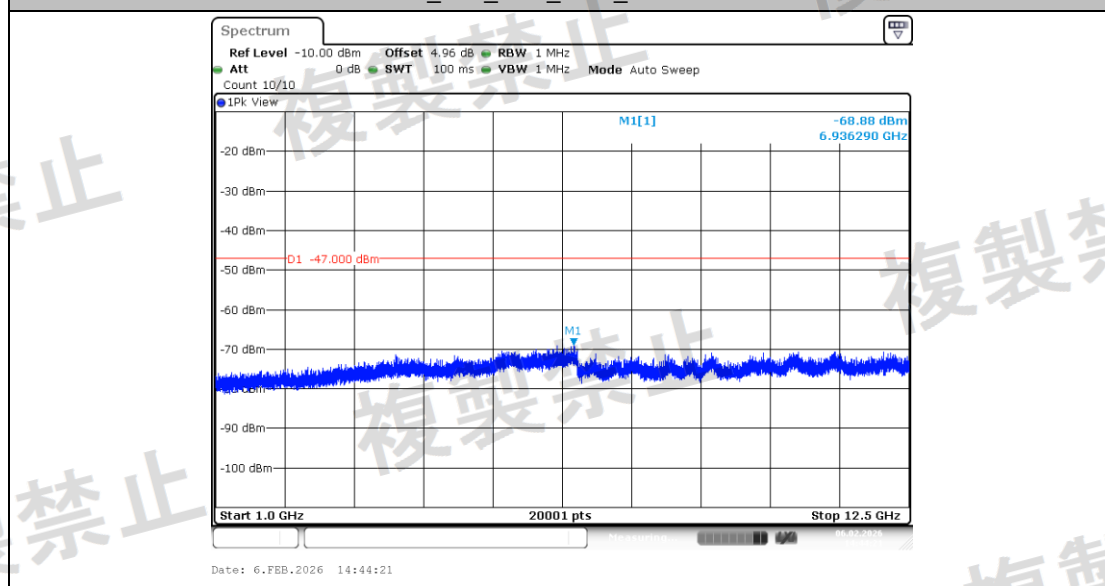
NTNV_11G_Ant1_2412_1000~12500

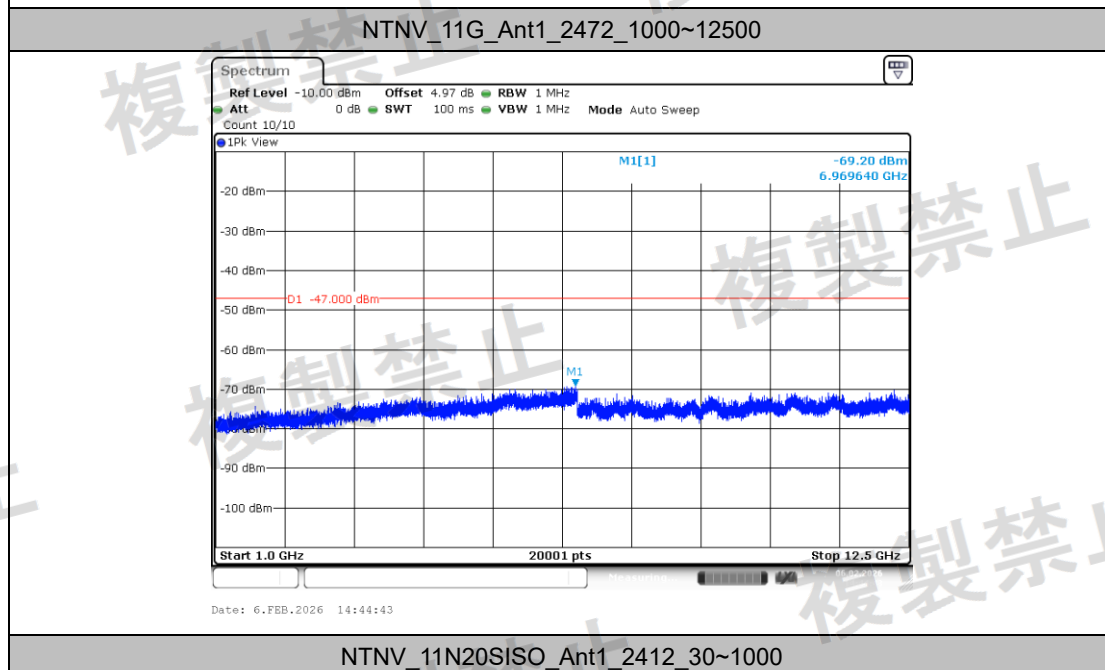
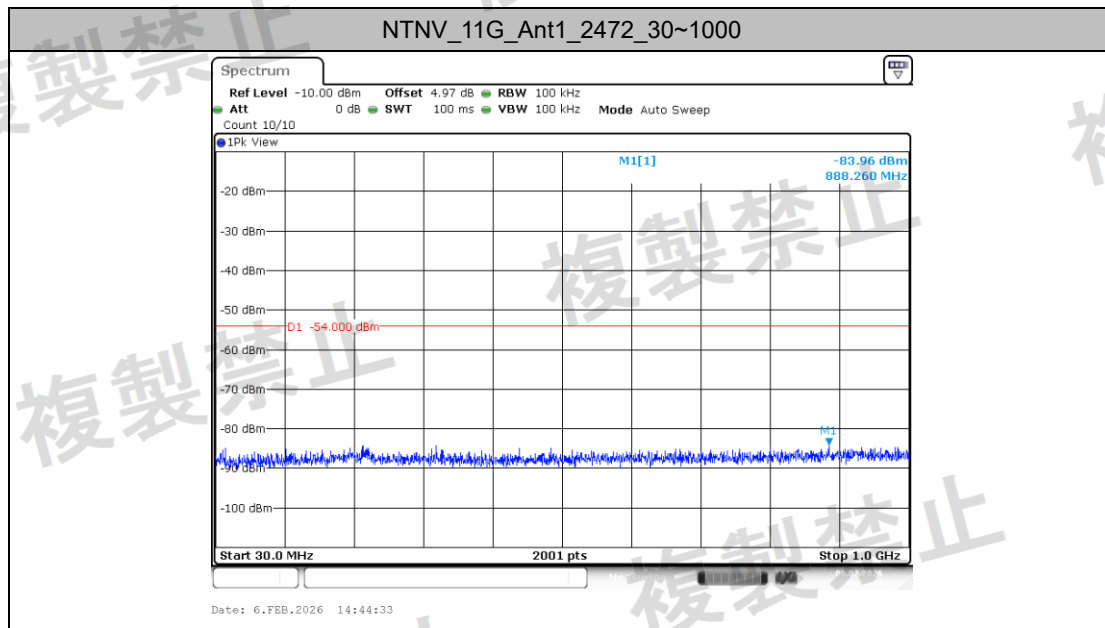


NTNV_11G_Ant1_2442_30~1000

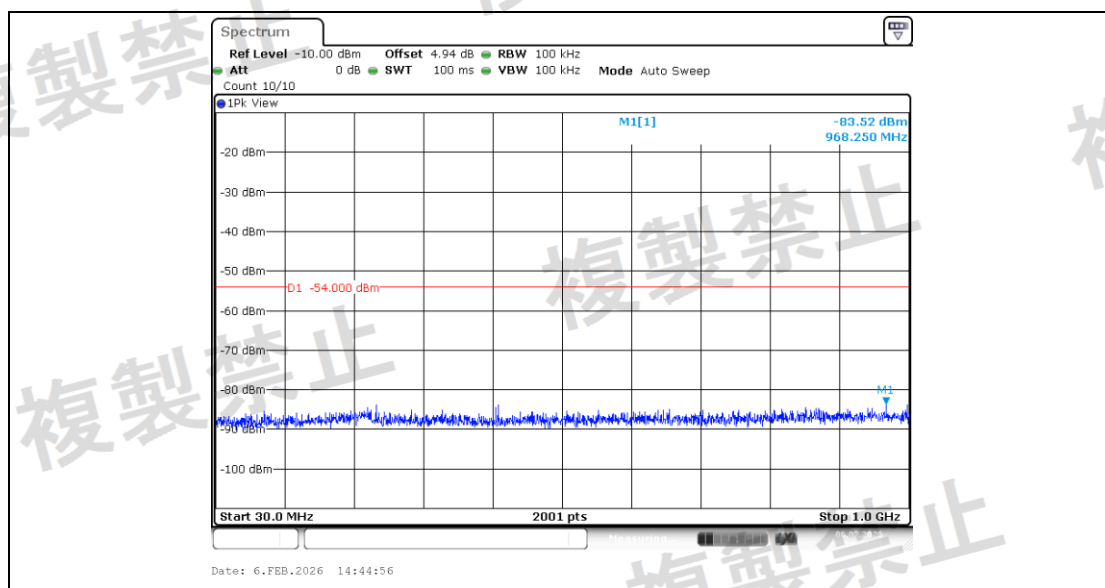


NTNV_11G_Ant1_2442_1000~12500

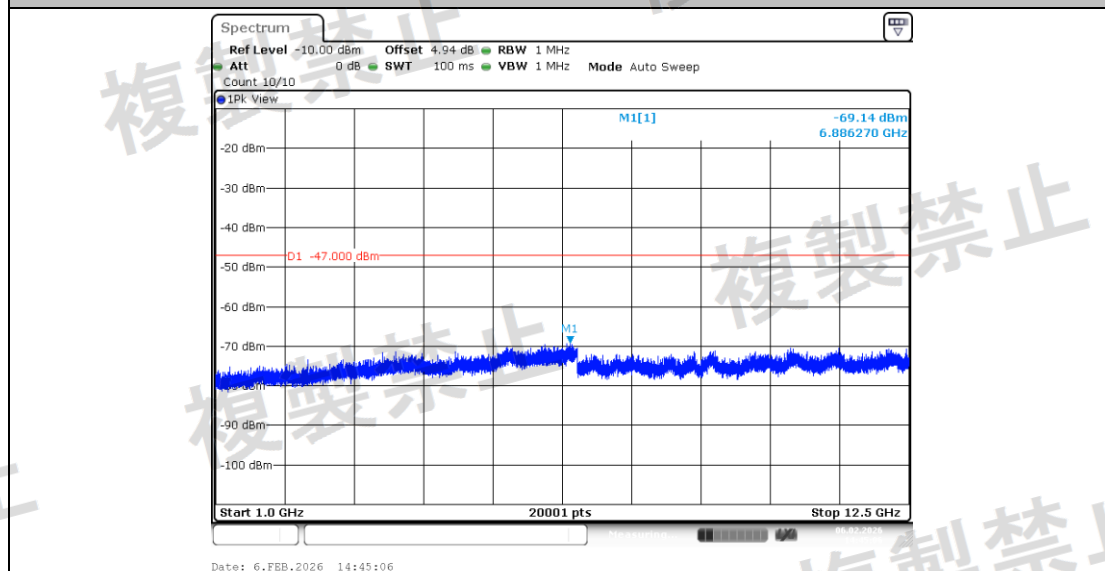




NTNV_11N20SISO_Ant1_2412_30~1000



NTNV_11N20SISO_Ant1_2412_1000~12500



NTNV_11N20SISO_Ant1_2442_30~1000

