

Appendix RF Test Data for 2.4G

Company : Huzhou Siweite E-commerce Co., Ltd.
EUT : Remote control toy car
Model Number : 555-101
Report No. : CTA26011200401
Reviewed By : Eric Wang

Appendix A: Frequency Error

Test Result

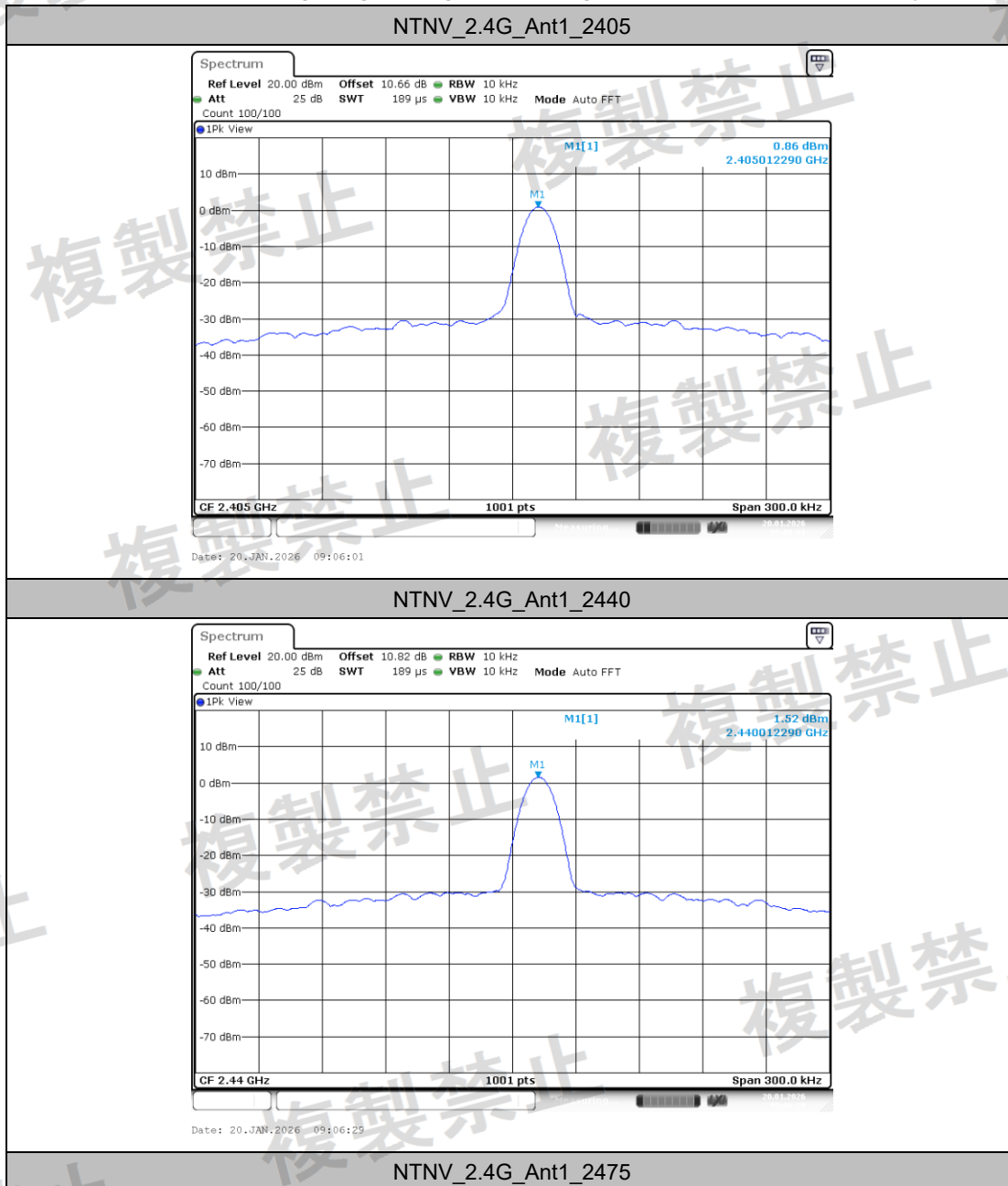
TestCondition	TestMode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTNV	2.4G	Ant1	2405	5.11019	±50	PASS
			2440	5.03689	±50	PASS
			2475	4.96566	±50	PASS

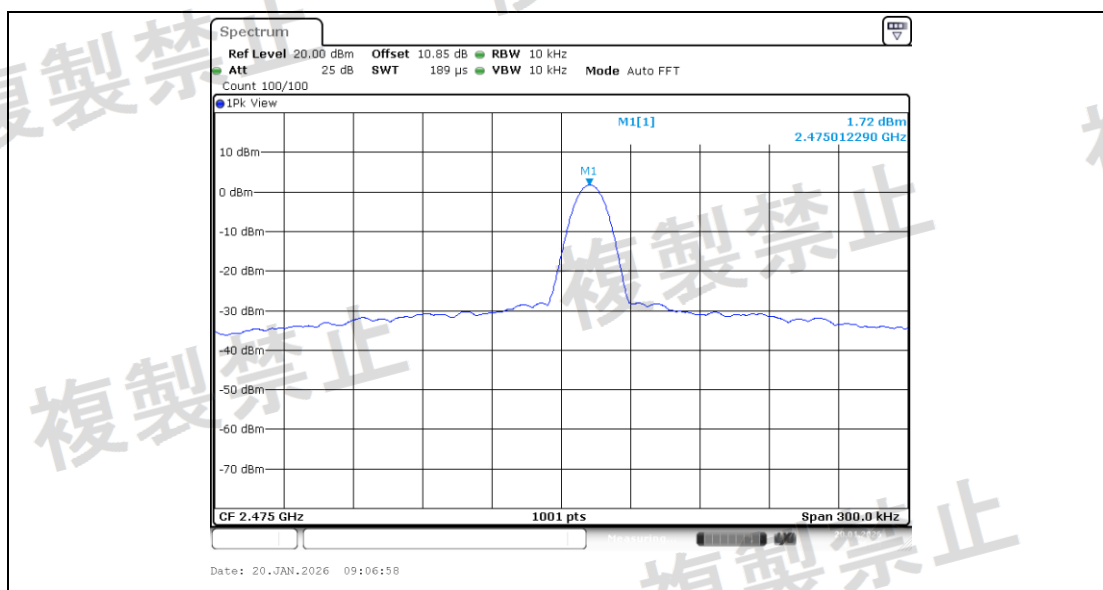
TestCondition	TestMode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTLV	2.4G	Ant1	2405	4.93158	±50	PASS
			2440	4.82615	±50	PASS
			2475	4.75247	±50	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTHV	2.4G	Ant1	2405	4.90358	±50	PASS
			2440	4.81246	±50	PASS
			2475	4.73175	±50	PASS

Test Graphs

Note: We test Normal Voltage, High Voltage, Low Voltage, and recorded the worst test plot.





Appendix B: Occupied Bandwidth

Test Result

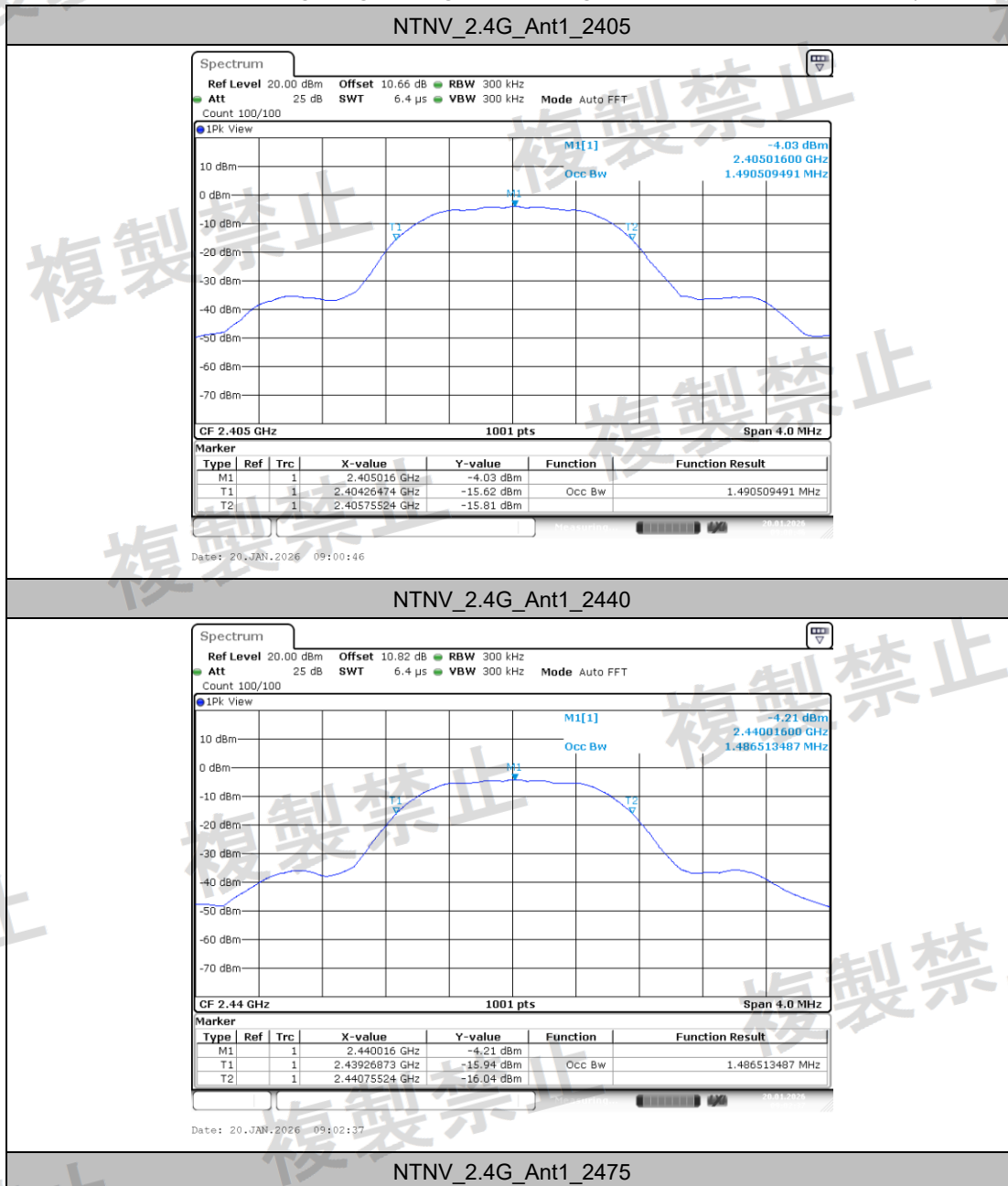
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	2.4G	Ant1	2405	1.491	≤26	PASS
			2440	1.487	≤26	PASS
			2475	1.491	≤26	PASS

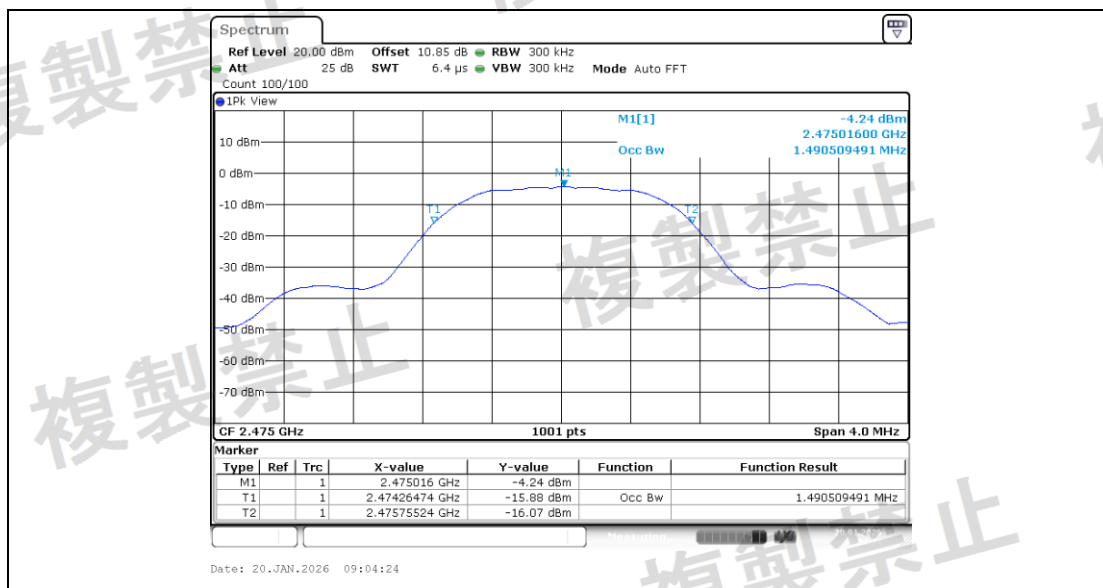
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTLV	2.4G	Ant1	2405	1.488	≤26	PASS
			2440	1.485	≤26	PASS
			2475	1.489	≤26	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTHV	2.4G	Ant1	2405	1.485	≤26	PASS
			2440	1.482	≤26	PASS
			2475	1.487	≤26	PASS

Test Graphs

Note: We test Normal Voltage, High Voltage, Low Voltage, and recorded the worst test plot.





Appendix C: Spread Bandwidth

Test Result

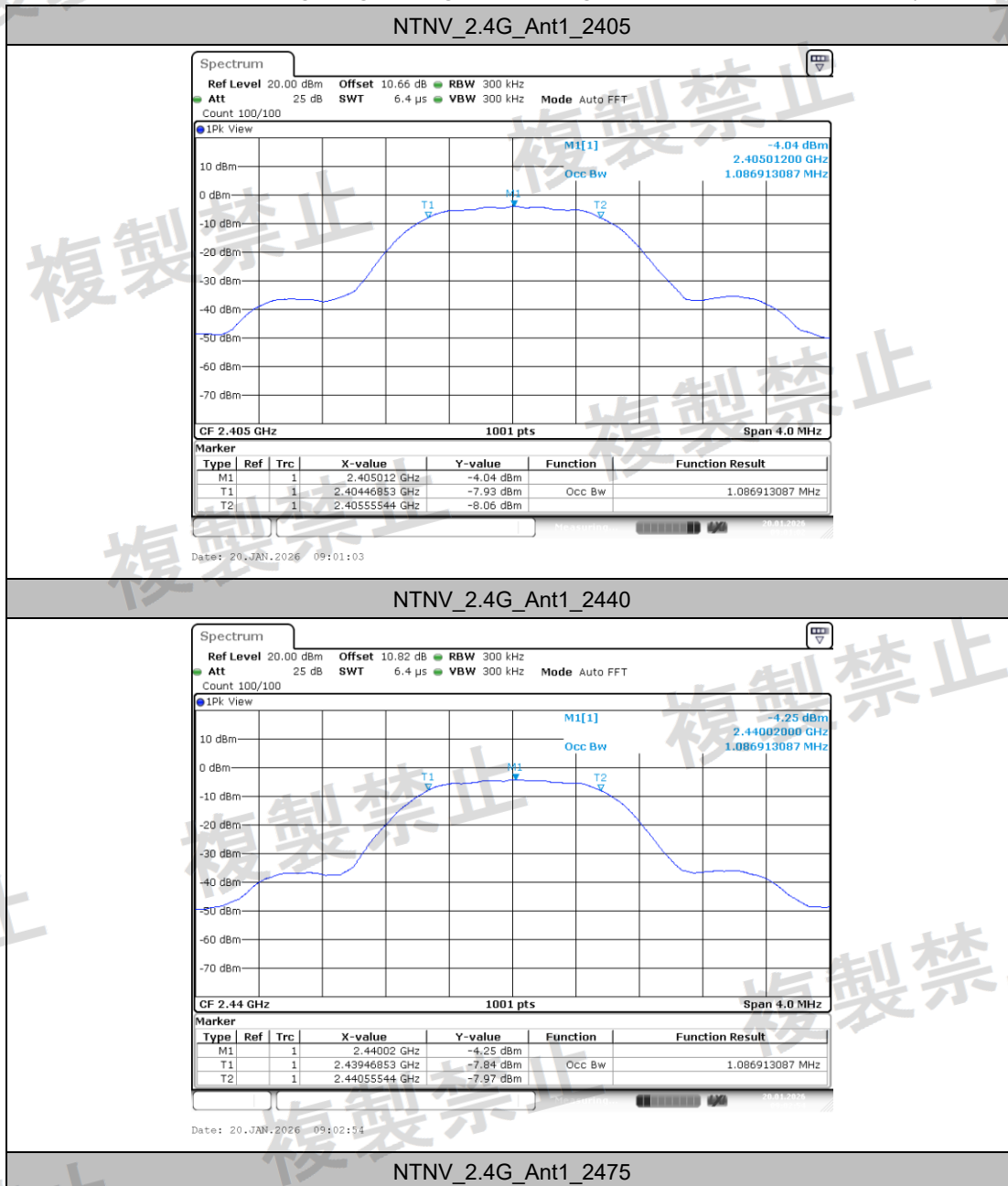
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	2.4G	Ant1	2405	1.087	≥0.5	PASS
			2440	1.087	≥0.5	PASS
			2475	1.087	≥0.5	PASS

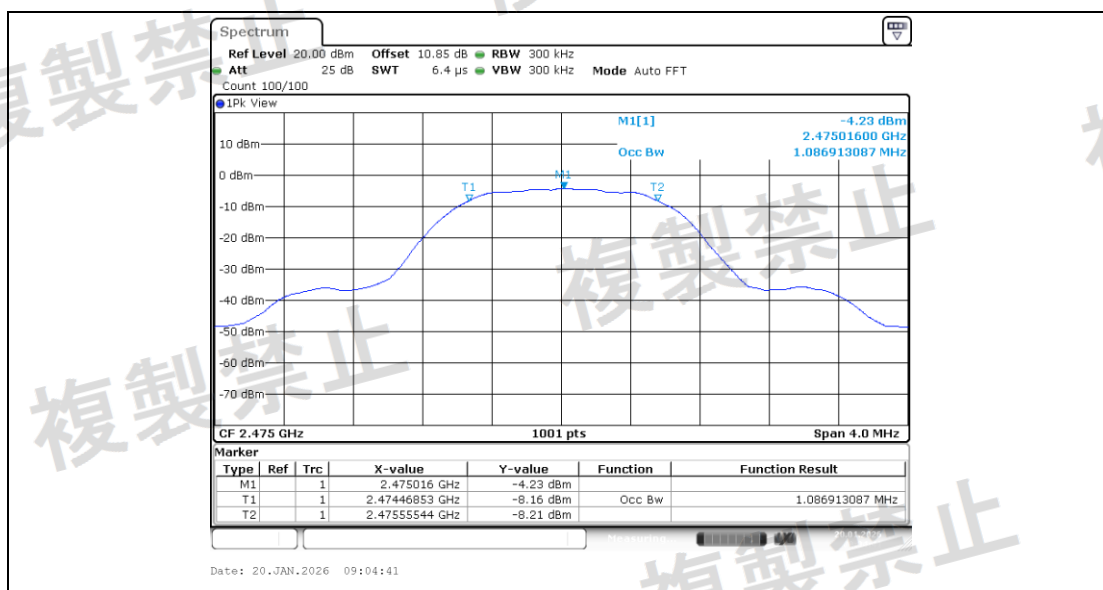
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTLV	2.4G	Ant1	2405	1.085	≥0.5	PASS
			2440	1.084	≥0.5	PASS
			2475	1.086	≥0.5	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTHV	2.4G	Ant1	2405	1.083	≥0.5	PASS
			2440	1.081	≥0.5	PASS
			2475	1.080	≥0.5	PASS

Test Graphs

Note: We test Normal Voltage, High Voltage, Low Voltage, and recorded the worst test plot.





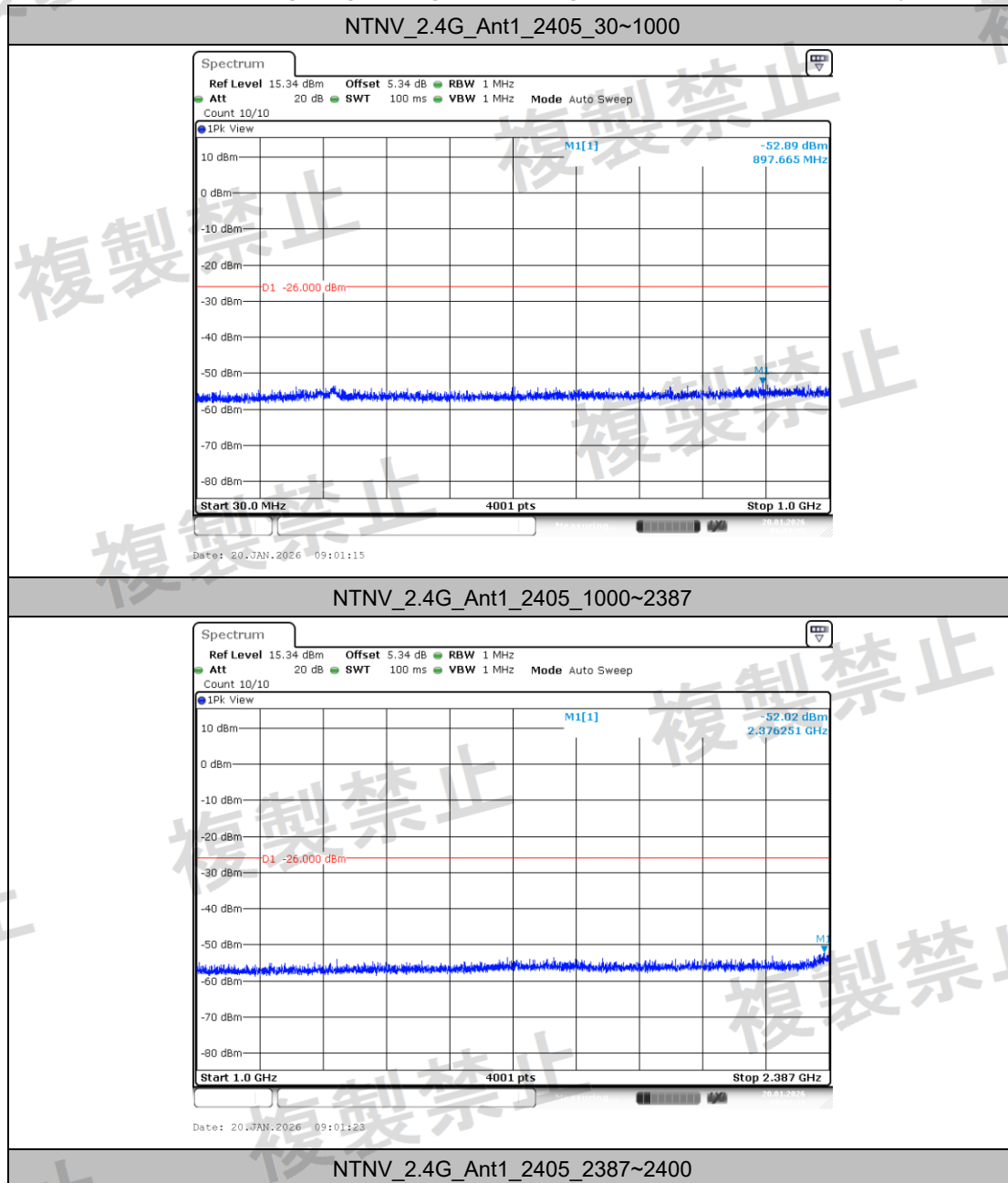
Appendix D: Spurious Emission of TX

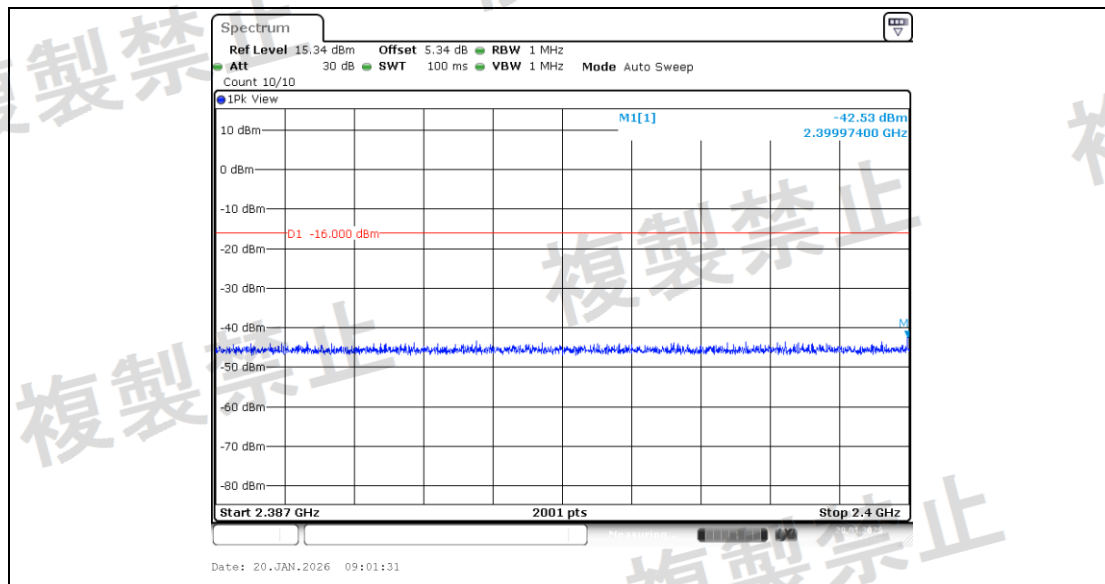
Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	2.4G	Ant1	2405	30~1000	897.67	-52.89	≤-26	0.00514	≤2.5	PASS
				1000~2387	2376.25	-52.02	≤-26	0.00628	≤2.5	PASS
				2387~2400	2399.97	-42.53	≤-16	0.05585	≤25	PASS
				2483.5~2496.5	2485.62	-42.97	≤-16	0.05047	≤25	PASS
				2496.5~13000	4810.42	-44.31	≤-26	0.03707	≤2.5	PASS
			2440	30~1000	239.76	-52.82	≤-26	0.00522	≤2.5	PASS
				1000~2387	1406.04	-53.03	≤-26	0.00498	≤2.5	PASS
				2387~2400	2397.22	-42.63	≤-16	0.05458	≤25	PASS
				2483.5~2496.5	2483.83	-42.51	≤-16	0.05610	≤25	PASS
				2496.5~13000	4880.27	-43.89	≤-26	0.04083	≤2.5	PASS
			2475	30~1000	927.01	-52.58	≤-26	0.00552	≤2.5	PASS
				1000~2387	1879.01	-53.25	≤-26	0.00473	≤2.5	PASS
				2387~2400	2399.64	-43.41	≤-16	0.04560	≤25	PASS
				2483.5~2496.5	2484.39	-42.94	≤-16	0.05082	≤25	PASS
				2496.5~13000	4950.12	-43.31	≤-26	0.04667	≤2.5	PASS

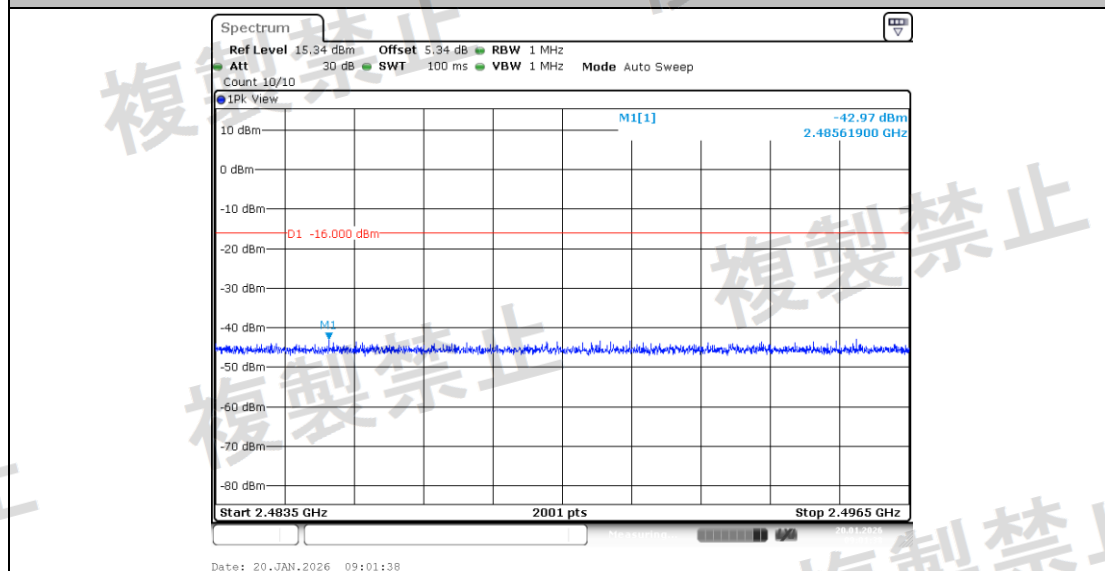
Test Graphs

Note: We test Normal Voltage, High Voltage, Low Voltage, and recorded the worst test plot.

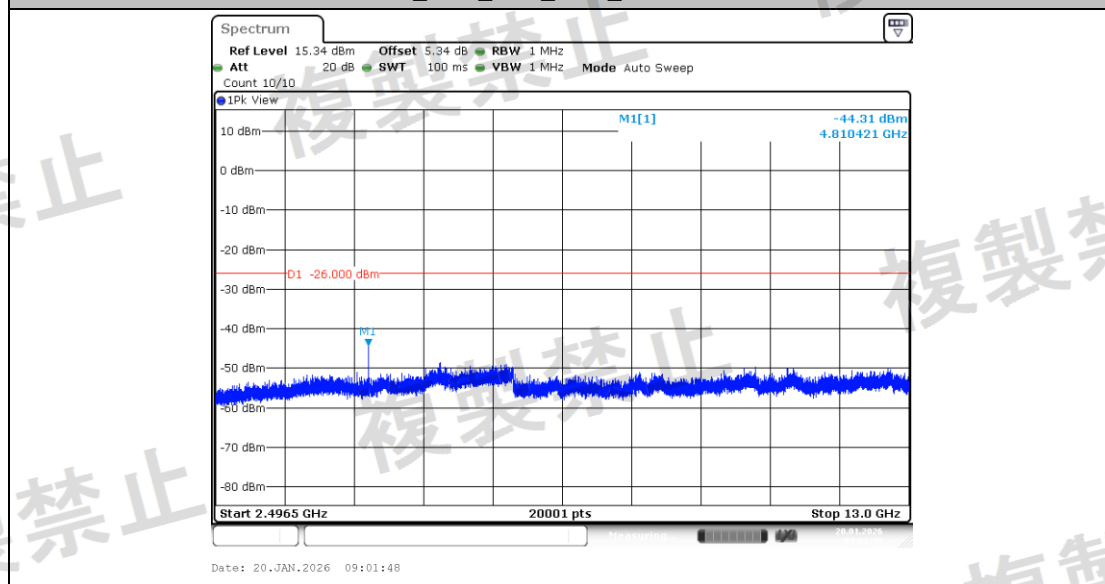


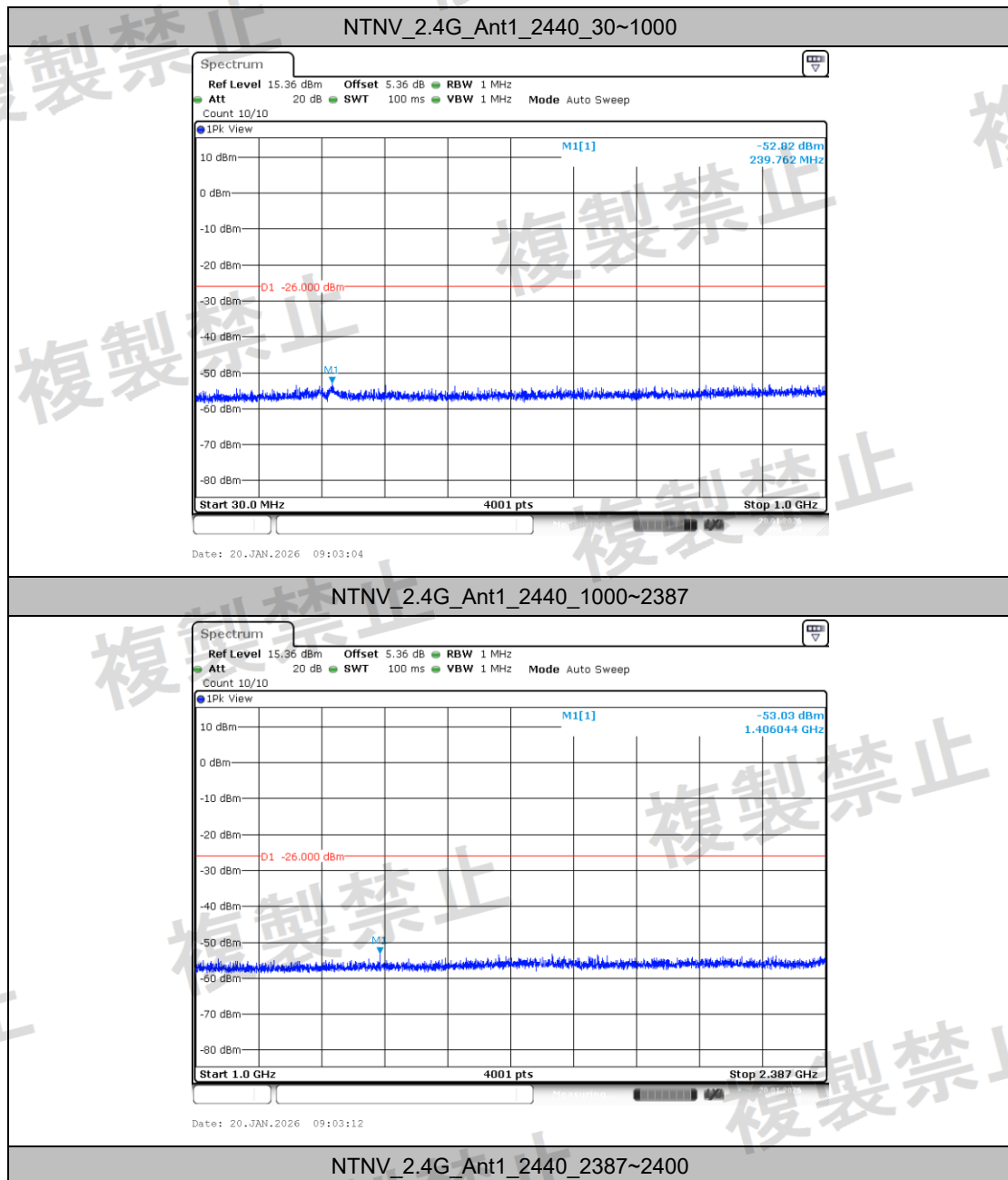


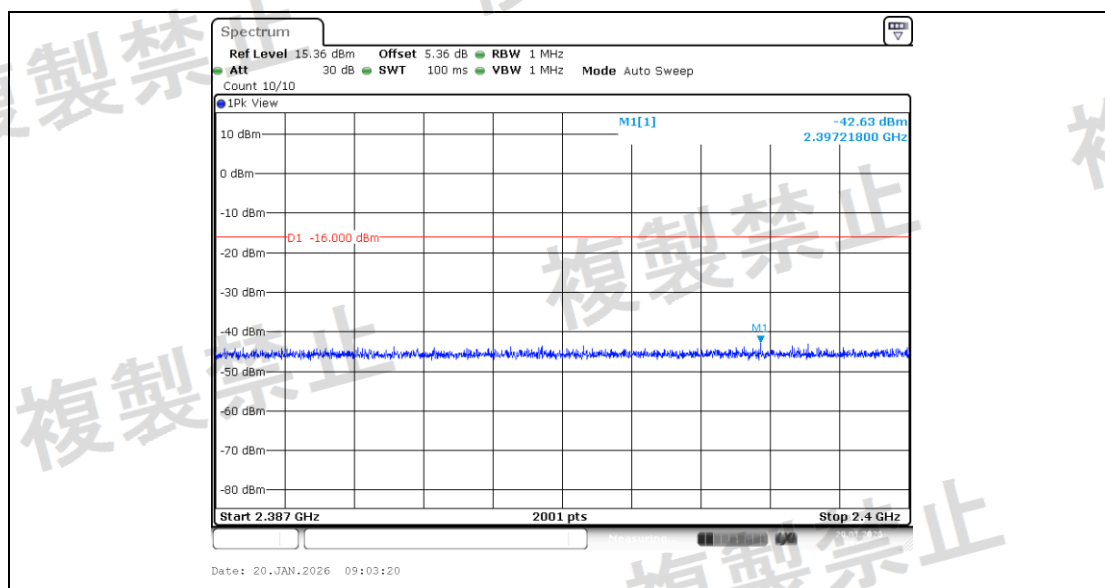
NTNV_2.4G_Ant1_2405_2483.5~2496.5



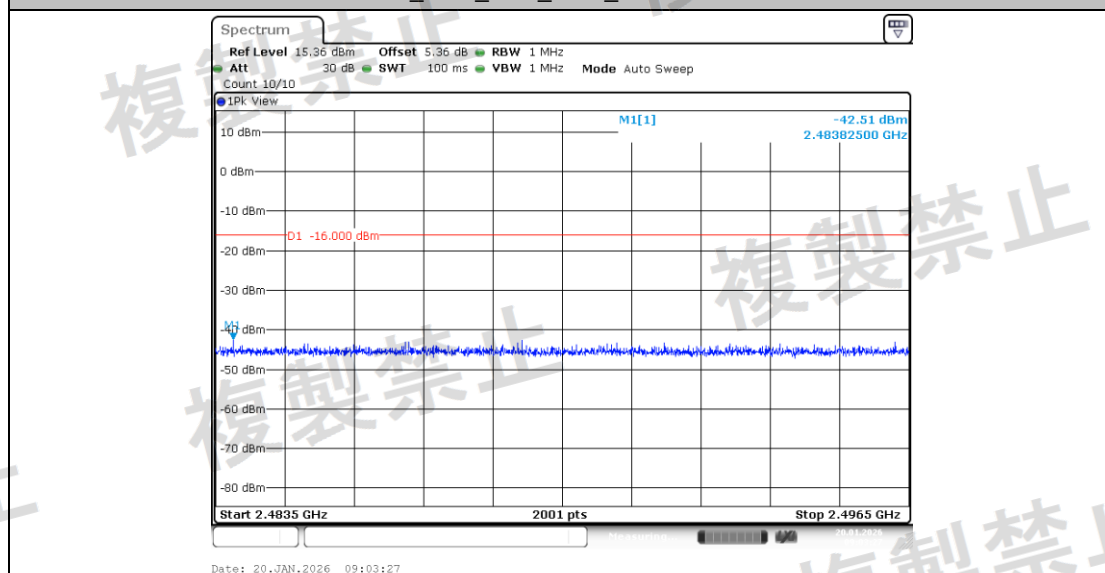
NTNV_2.4G_Ant1_2405_2496.5~13000



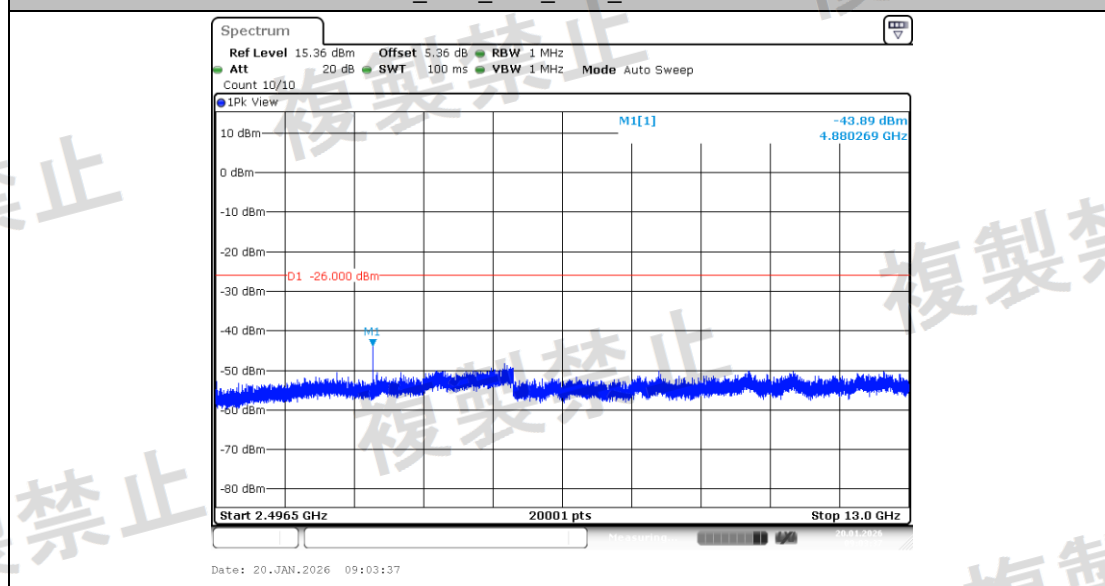


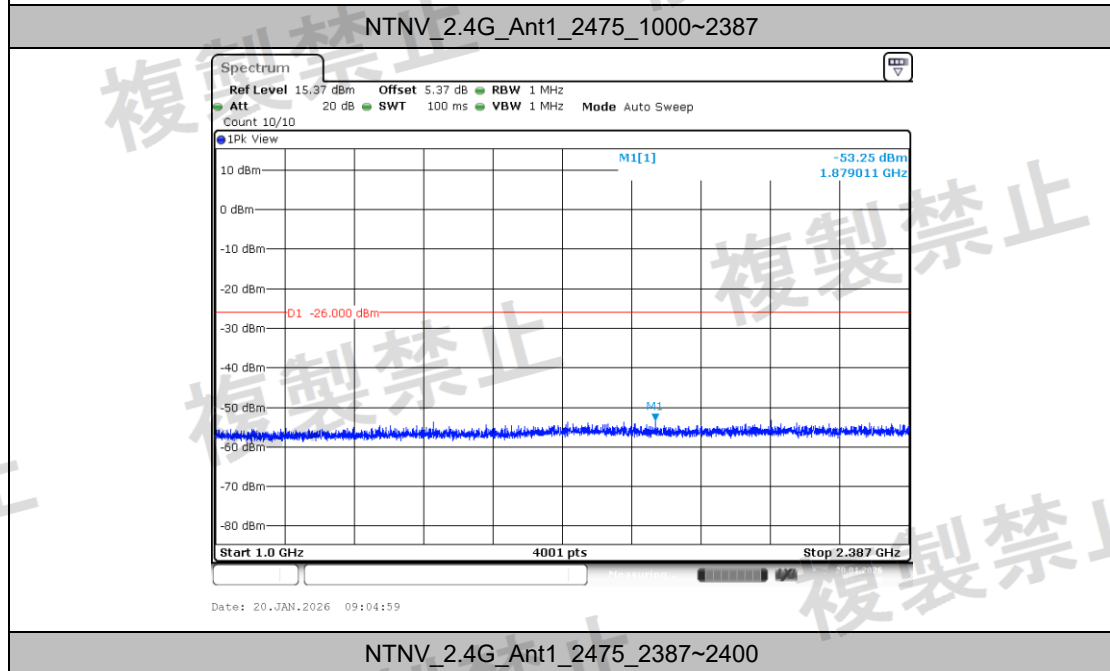
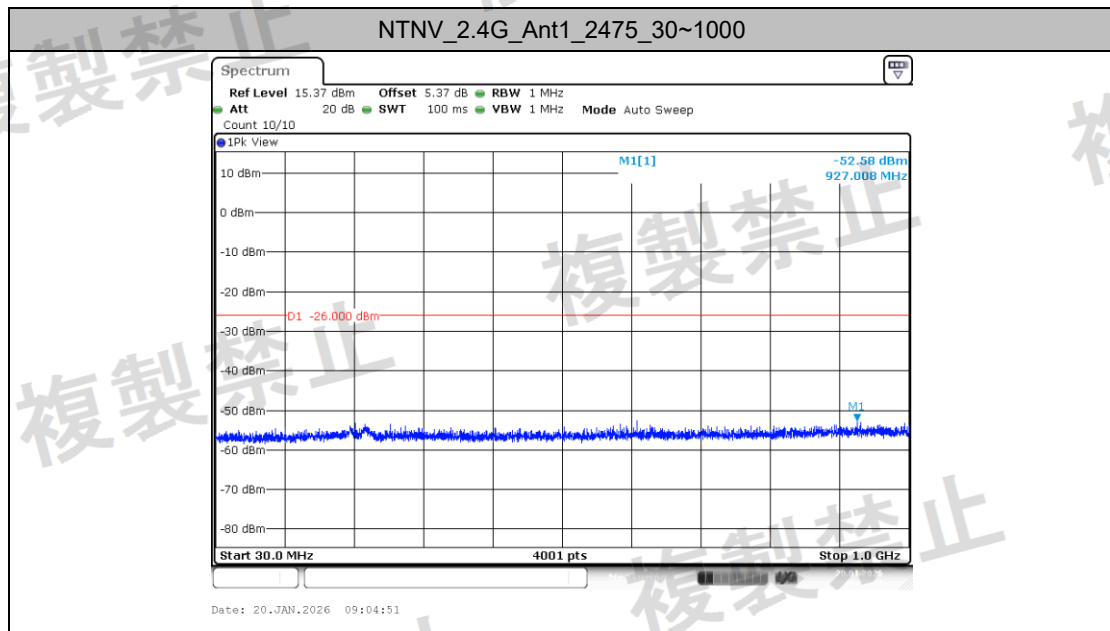


NTNV_2.4G_Ant1_2440_2483.5~2496.5

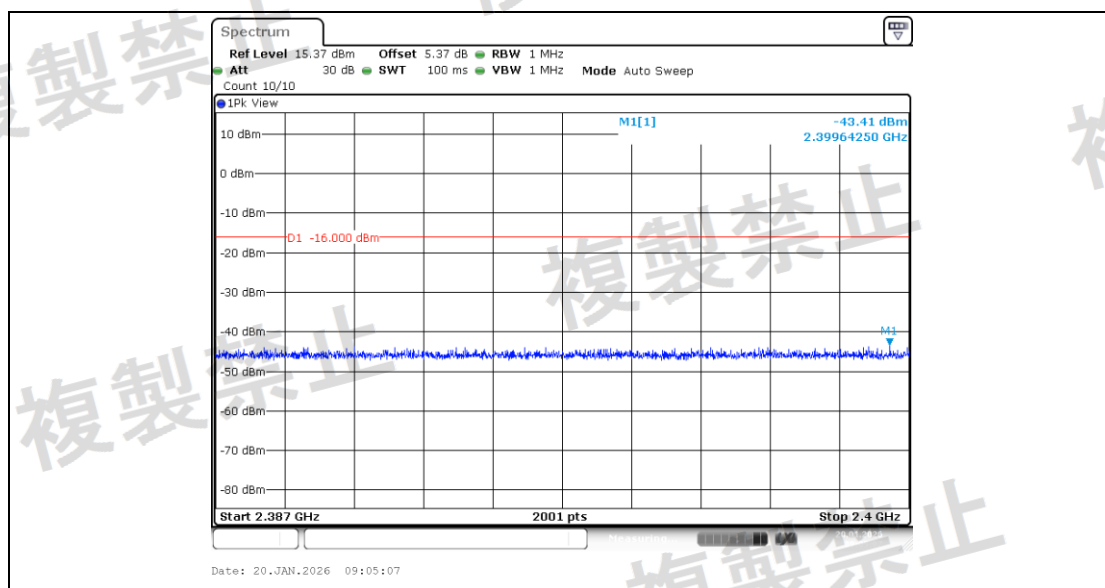


NTNV_2.4G_Ant1_2440_2496.5~13000

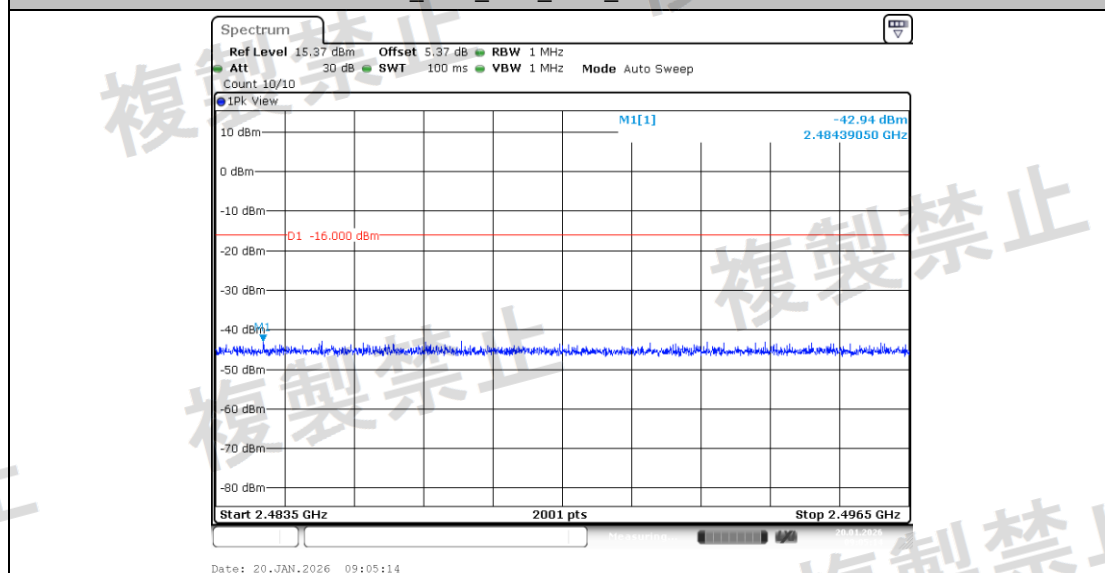




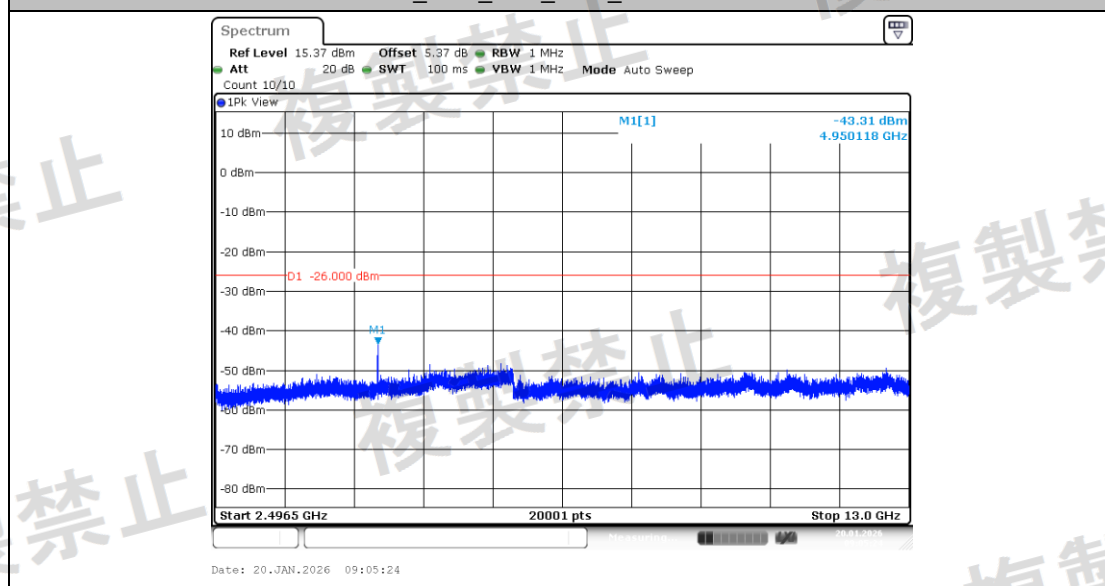
NTNV_2.4G_Ant1_2475_2387~2400



NTNV_2.4G_Ant1_2475_2483.5~2496.5



NTNV_2.4G_Ant1_2475_2496.5~13000



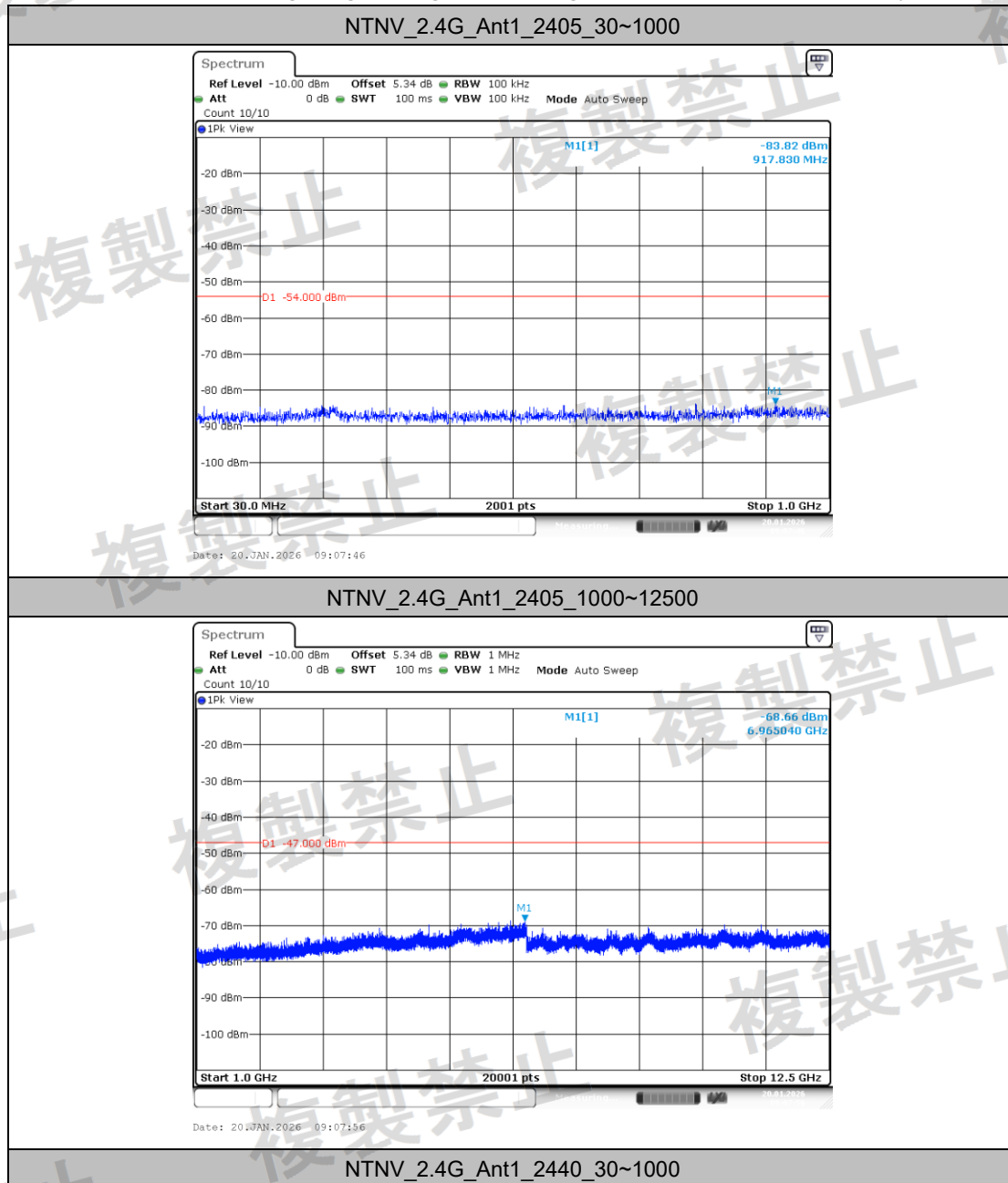
Appendix E: Spurious Emission of RX

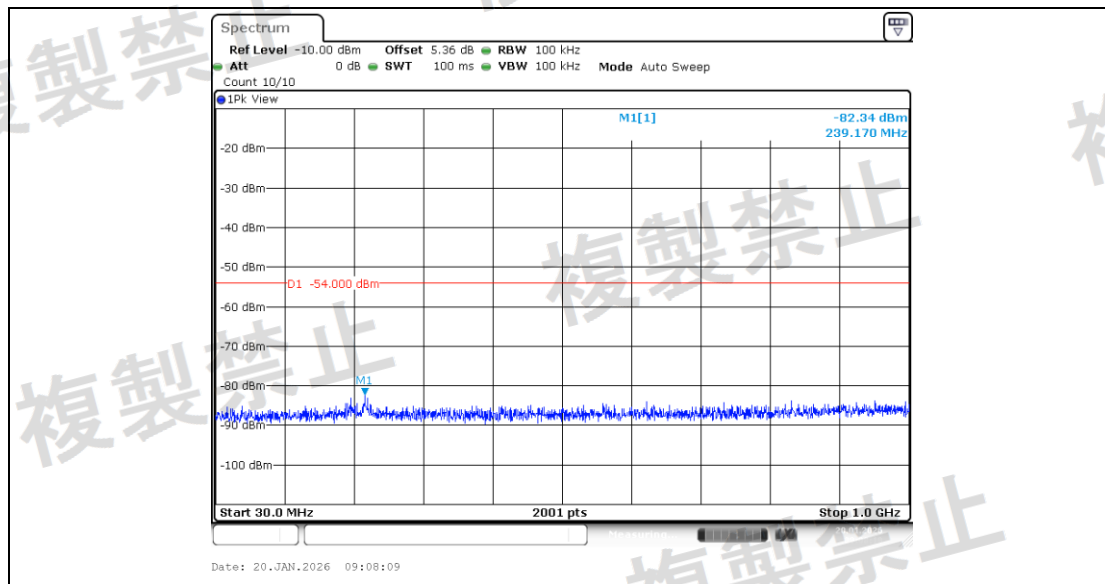
Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	2.4G	Ant1	2405	30~1000	917.83	-83.82	≤-54	0.00415	≤4	PASS
				1000~12500	6965.04	-68.66	≤-47	0.13614	≤20	PASS
			2440	30~1000	239.17	-82.34	≤-54	0.00583	≤4	PASS
				1000~12500	6984.01	-68.22	≤-47	0.15066	≤20	PASS
			2475	30~1000	906.20	-72.80	≤-54	0.05248	≤4	PASS
				1000~12500	5898.47	-68.76	≤-47	0.13305	≤20	PASS

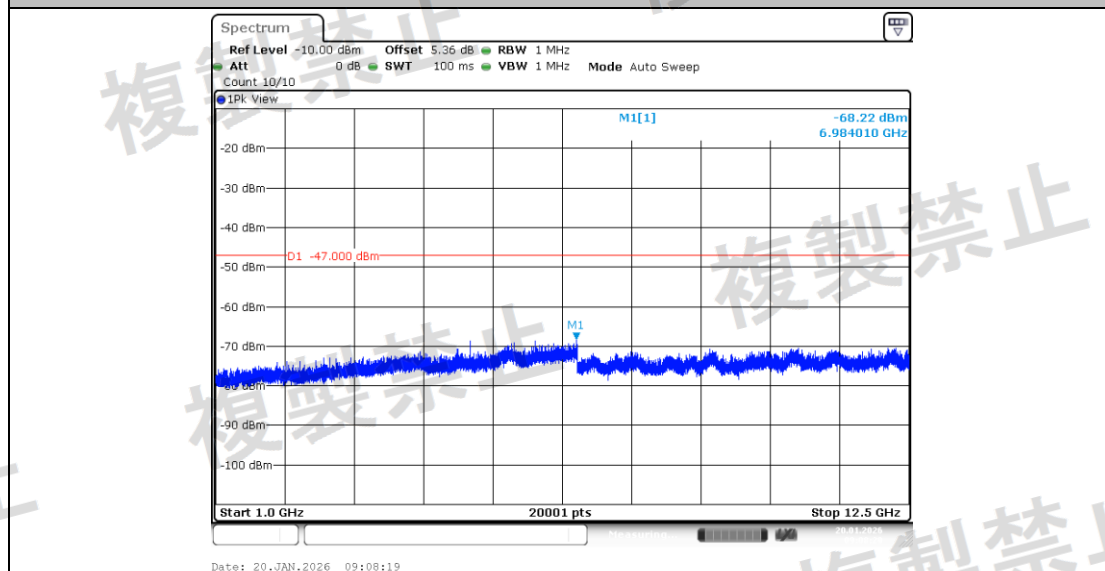
Test Graphs

Note: We test Normal Voltage, High Voltage, Low Voltage, and recorded the worst test plot.





NTNV_2.4G_Ant1_2440_1000~12500



NTNV_2.4G_Ant1_2475_30~1000

