

Appendix RF Test Data for BLE

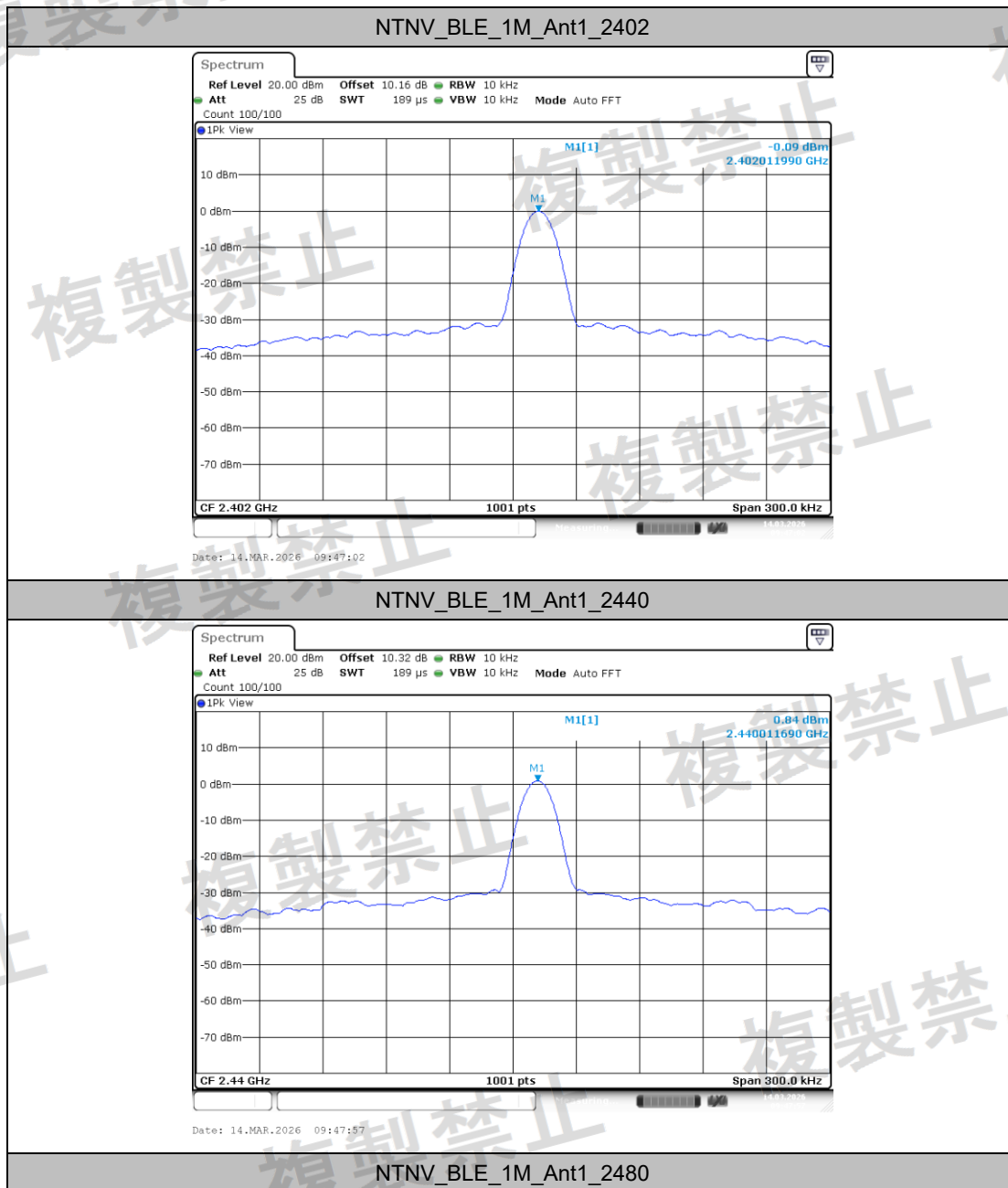
Company : Shenzhen Pengyuan Home Products Co., Ltd.
EUT : eye massager
Model Number : EX07W
Report No. : CTA26030901801
Reviewed By : Eric Wang

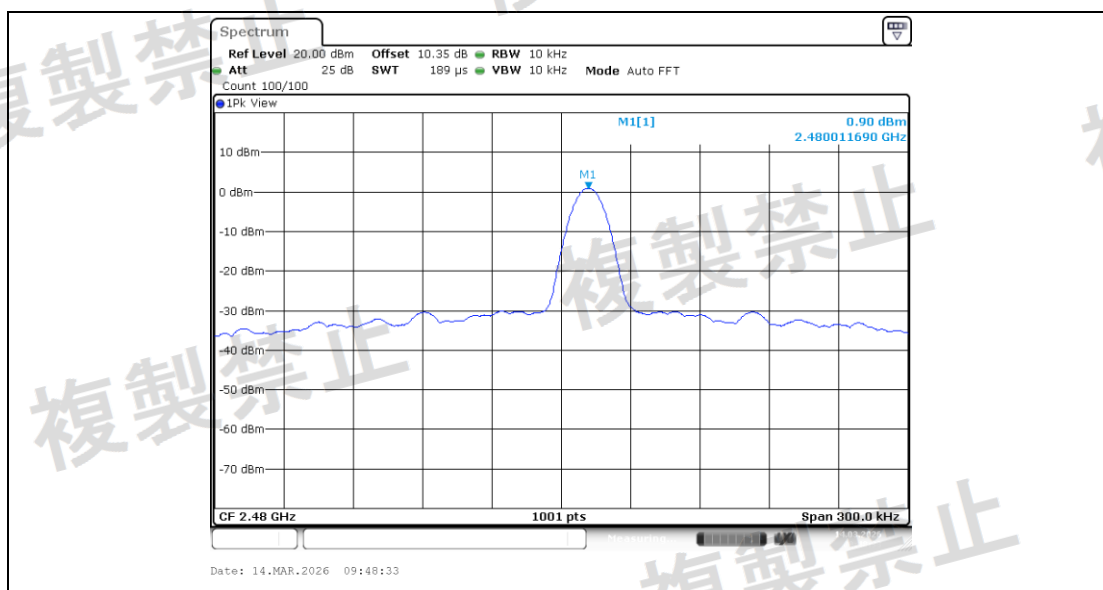
Appendix A: Frequency Error

Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTNV	BLE_1M	Ant1	2402	4.99167	±50	PASS
			2440	4.79098	±50	PASS
			2480	4.71371	±50	PASS

Test Graphs



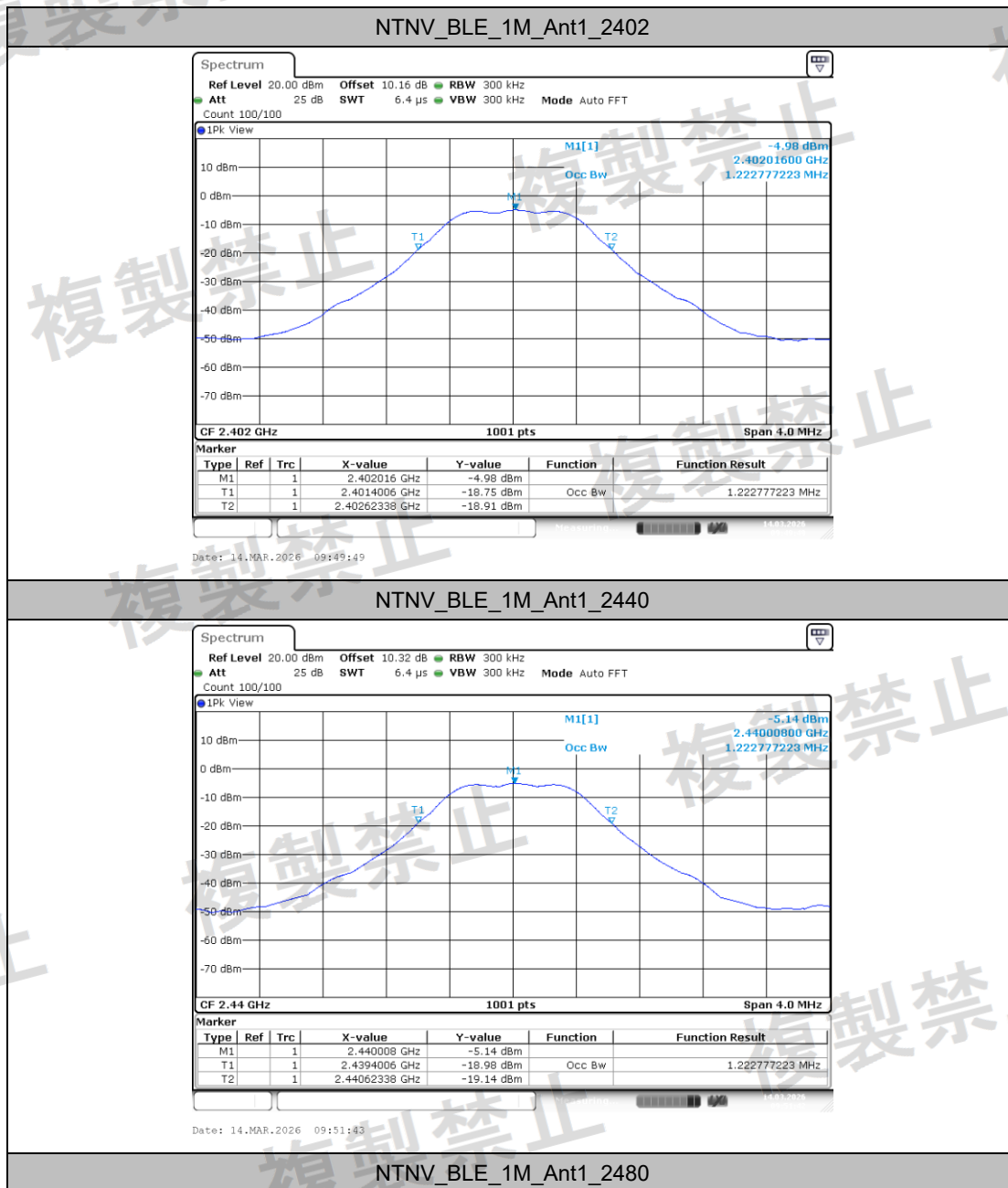


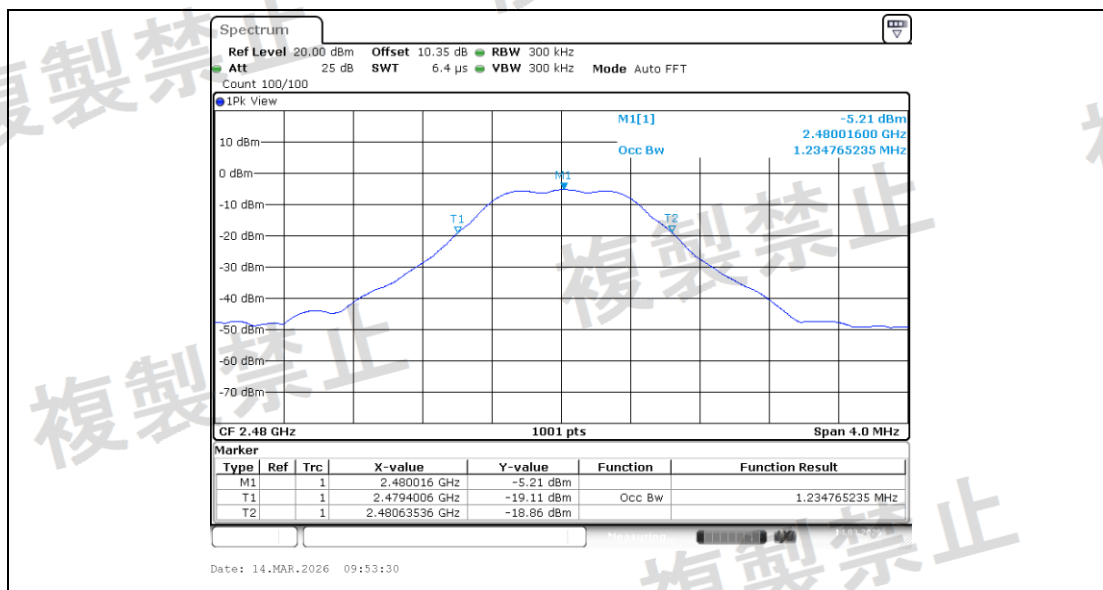
Appendix B: Occupied Bandwidth

Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	1.223	≤26	PASS
			2440	1.223	≤26	PASS
			2480	1.235	≤26	PASS

Test Graphs



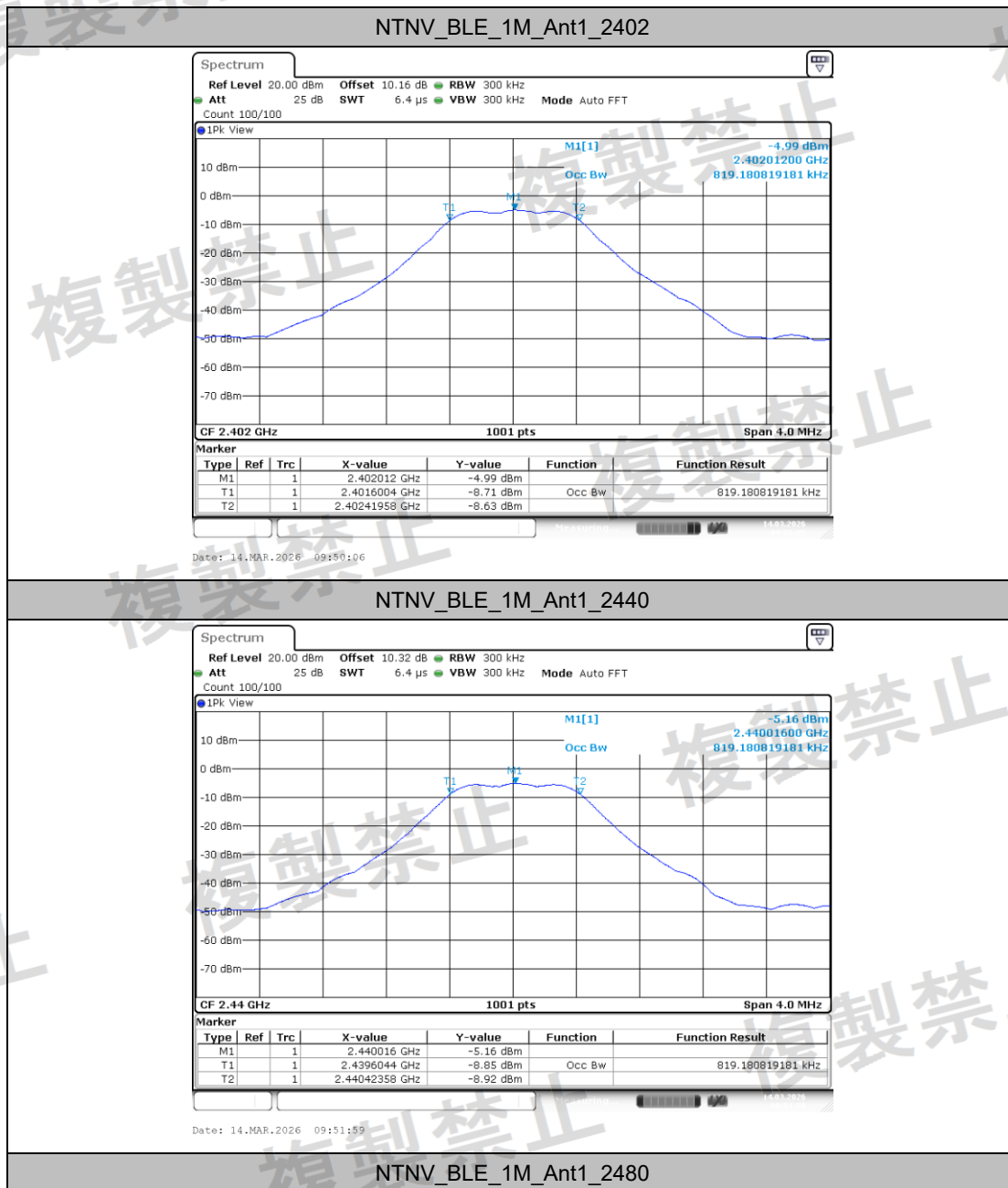


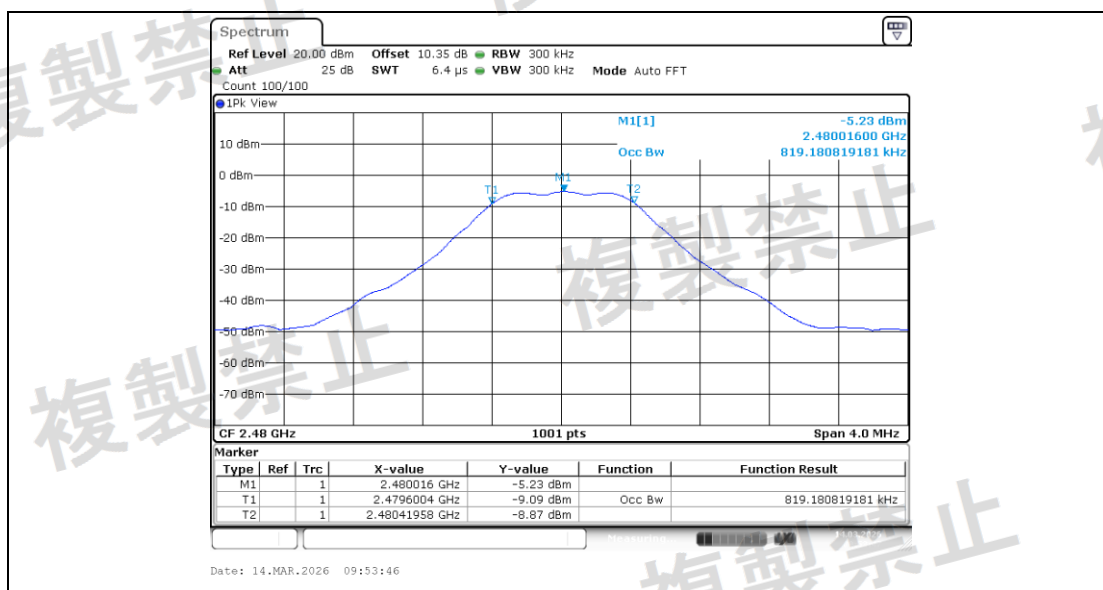
Appendix C: Spread Bandwidth

Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	0.819	≥0.5	PASS
			2440	0.819	≥0.5	PASS
			2480	0.819	≥0.5	PASS

Test Graphs



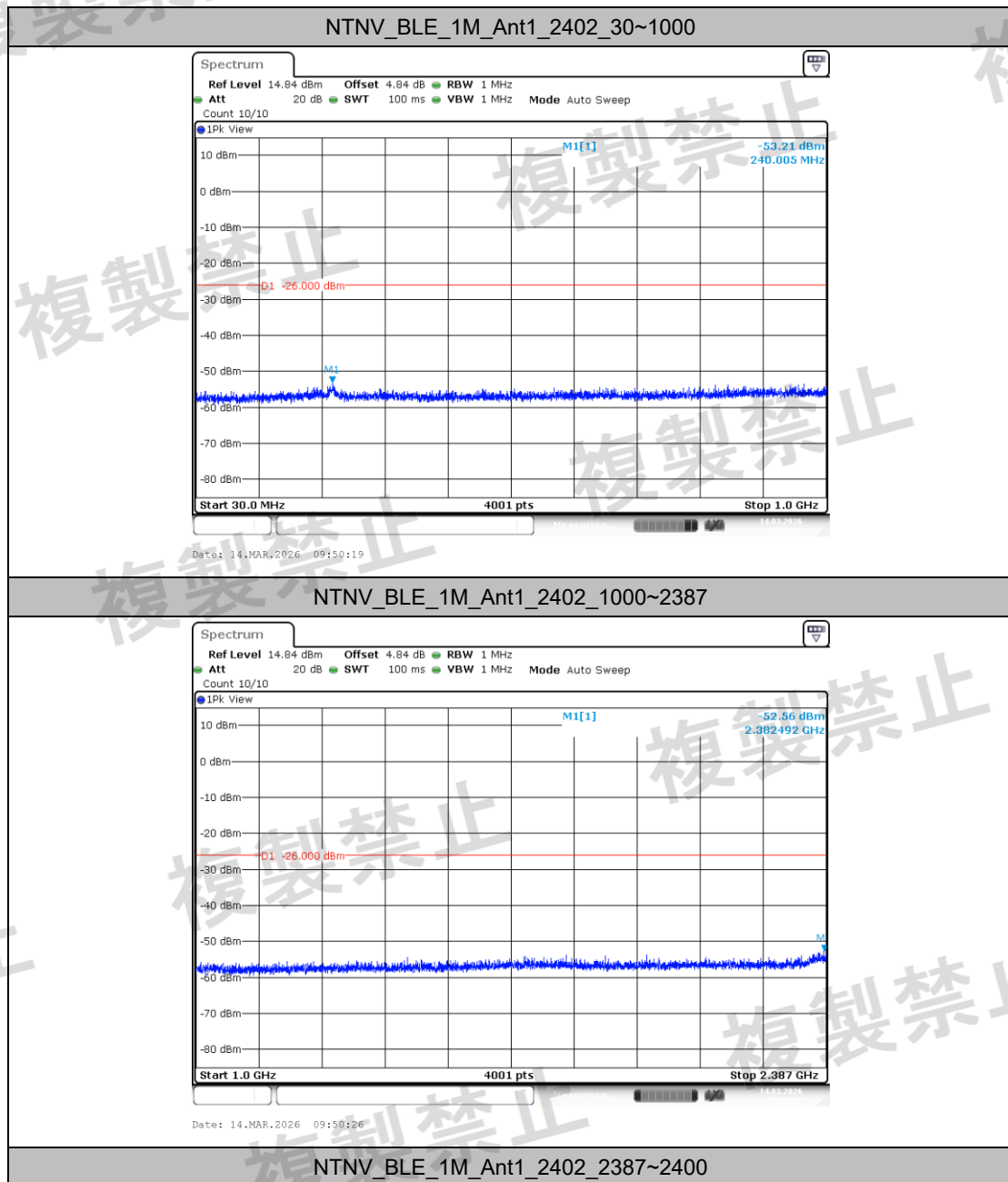


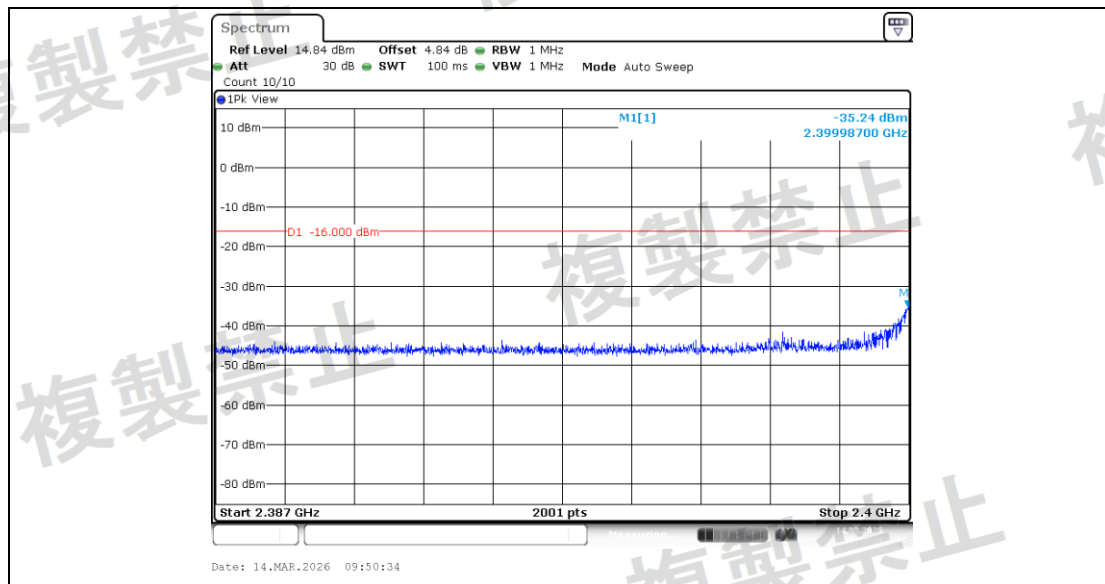
Appendix D: Spurious Emission of TX

Test Result

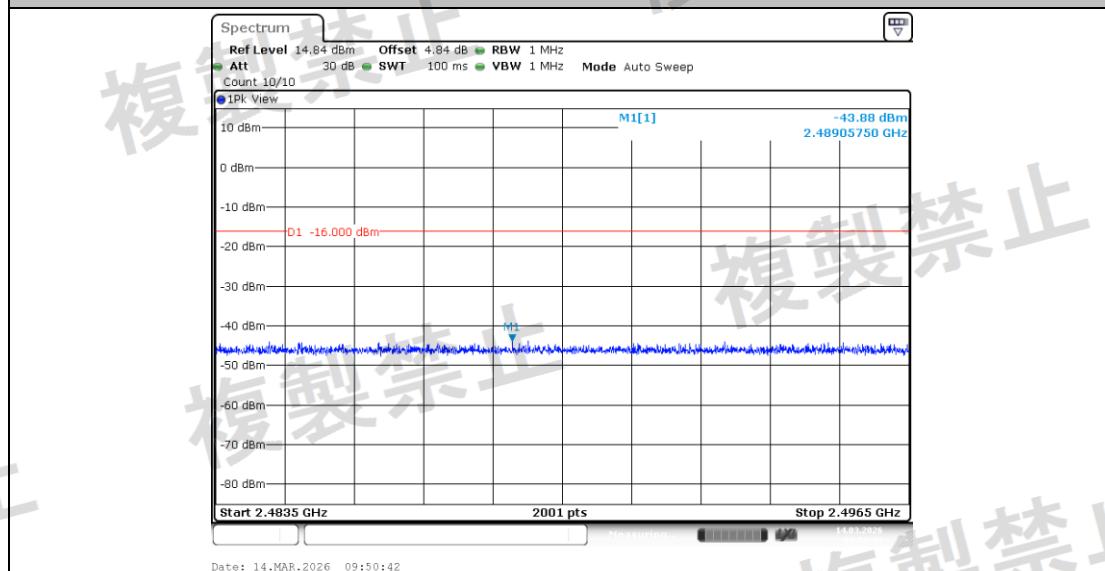
TestCondition	TestMode	Antenna	Freq(MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	240.01	-53.21	≤-26	0.00478	≤2.5	PASS
				1000~2387	2382.49	-52.56	≤-26	0.00555	≤2.5	PASS
				2387~2400	2399.99	-35.24	≤-16	0.29923	≤25	PASS
				2483.5~2496.5	2489.06	-43.88	≤-16	0.04093	≤25	PASS
				2496.5~13000	5216.38	-44.20	≤-26	0.03802	≤2.5	PASS
			2440	30~1000	238.07	-52.77	≤-26	0.00528	≤2.5	PASS
				1000~2387	2045.10	-53.64	≤-26	0.00433	≤2.5	PASS
				2387~2400	2387.61	-43.15	≤-16	0.04842	≤25	PASS
				2483.5~2496.5	2489.06	-43.11	≤-16	0.04887	≤25	PASS
				2496.5~13000	4879.74	-46.05	≤-26	0.02483	≤2.5	PASS
			2480	30~1000	240.01	-52.67	≤-26	0.00541	≤2.5	PASS
				1000~2387	1816.60	-54.05	≤-26	0.00394	≤2.5	PASS
				2387~2400	2397.27	-43.03	≤-16	0.04977	≤25	PASS
				2483.5~2496.5	2483.70	-42.66	≤-16	0.05420	≤25	PASS
				2496.5~13000	4960.10	-45.93	≤-26	0.02553	≤2.5	PASS

Test Graphs

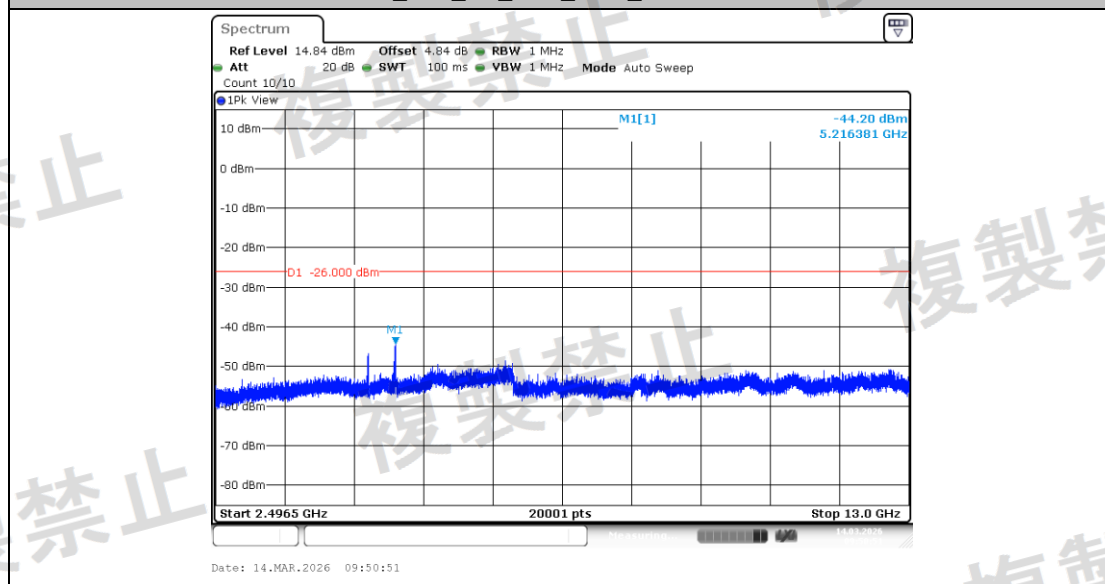


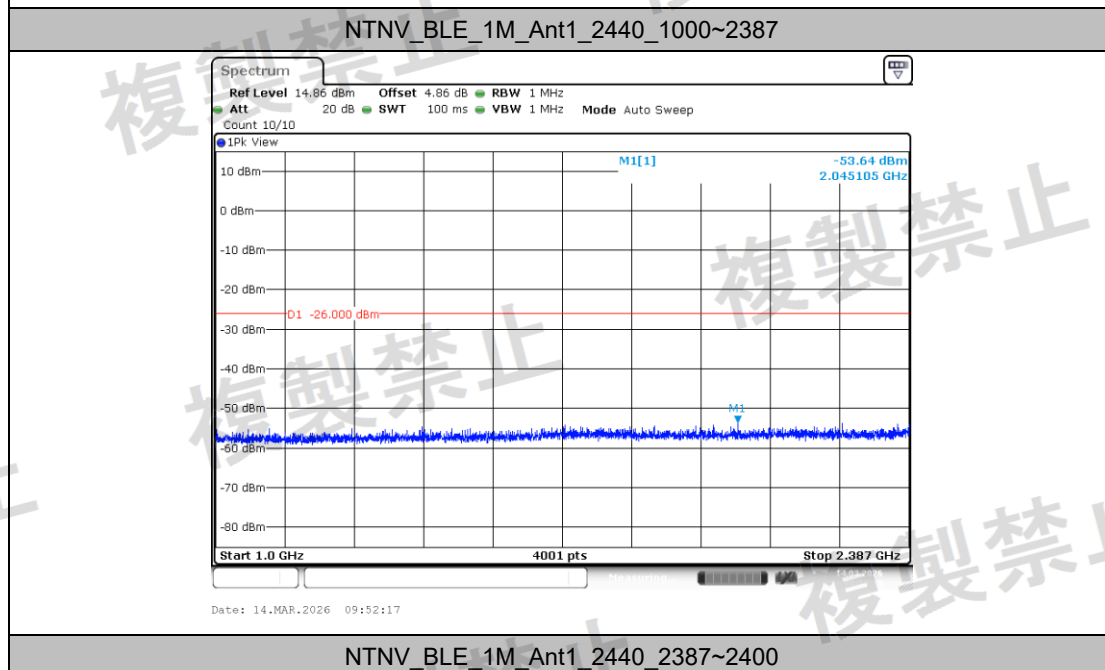
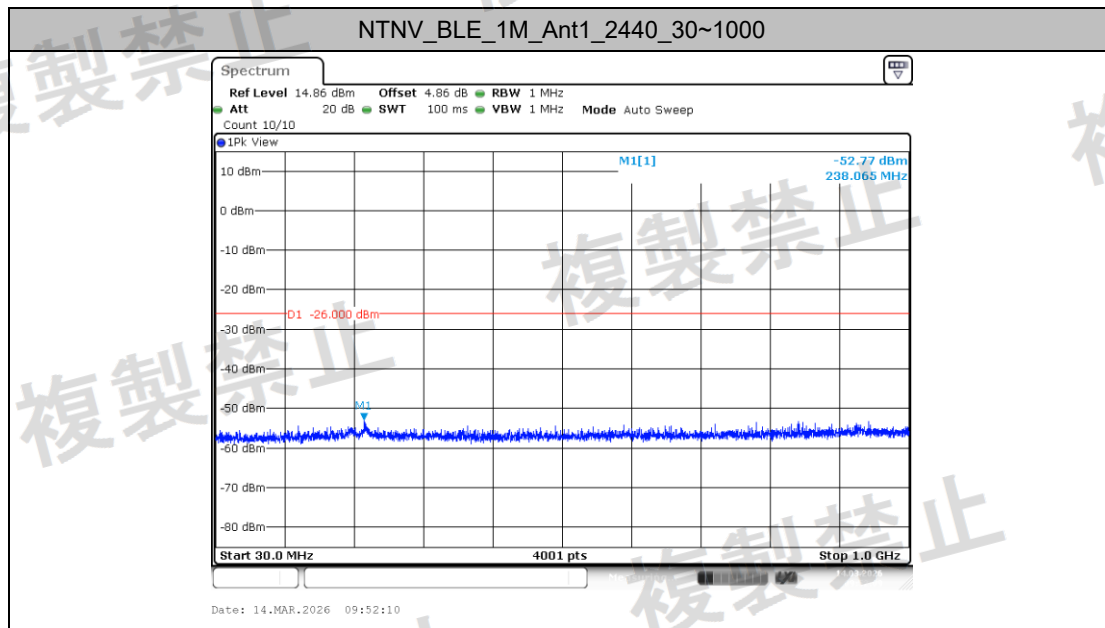


NTNV_BLE_1M_Ant1_2402_2483.5~2496.5

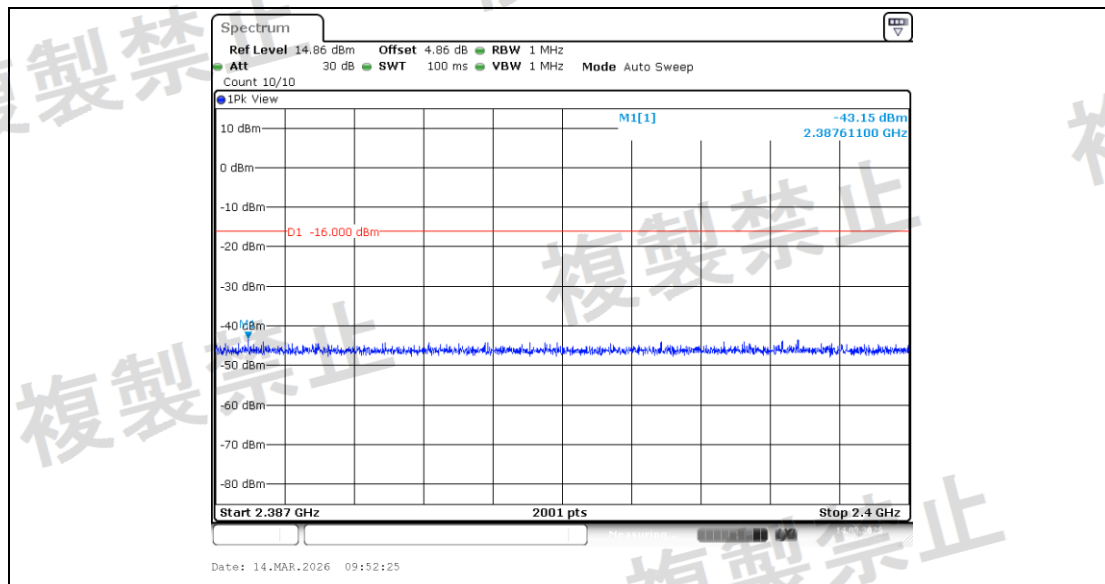


NTNV_BLE_1M_Ant1_2402_2496.5~13000

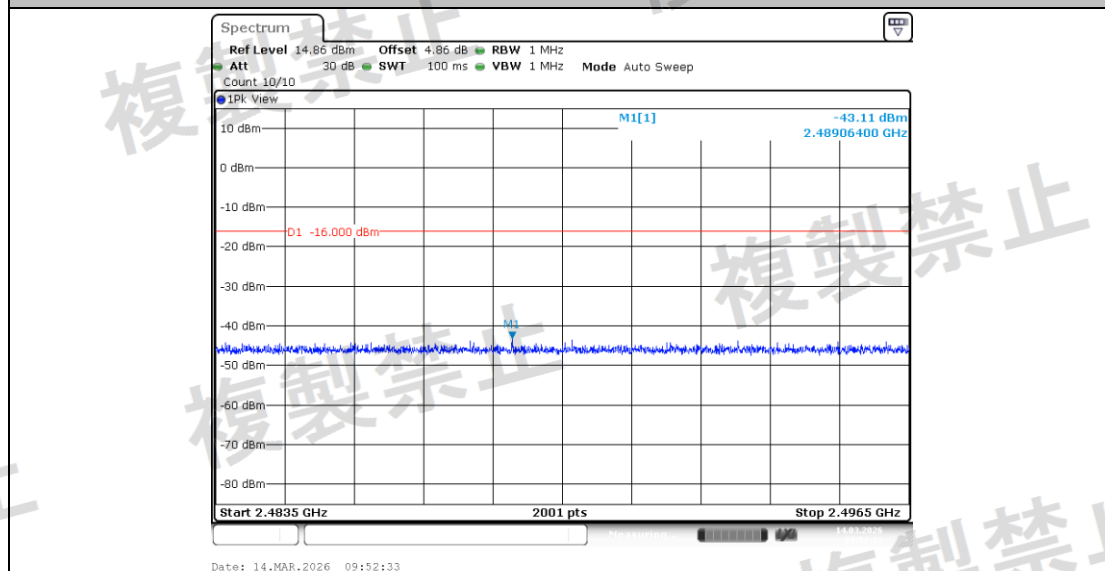




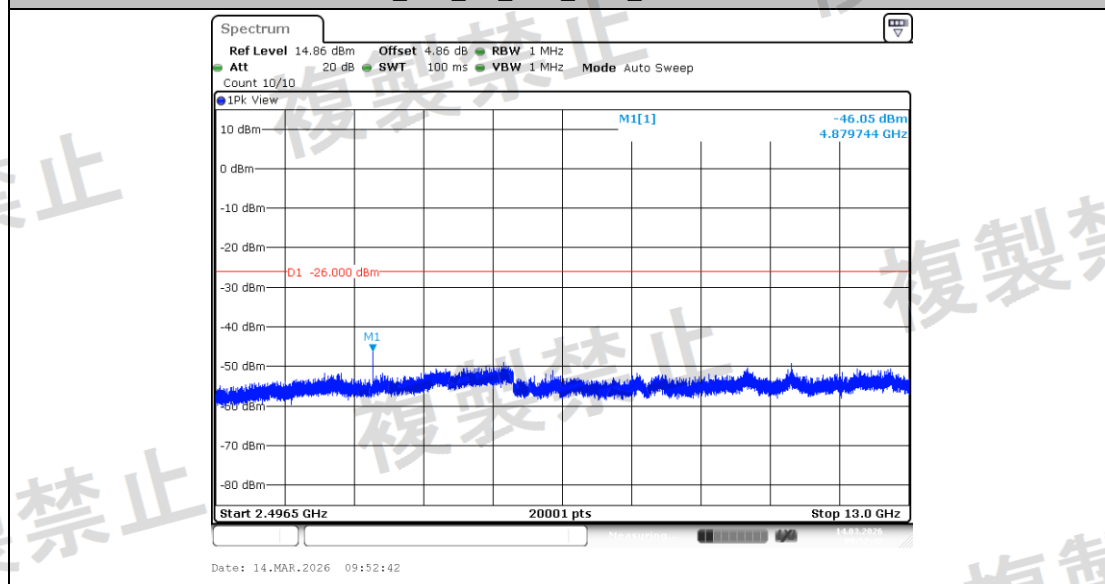
NTNV_BLE_1M_Ant1_2440_2387~2400

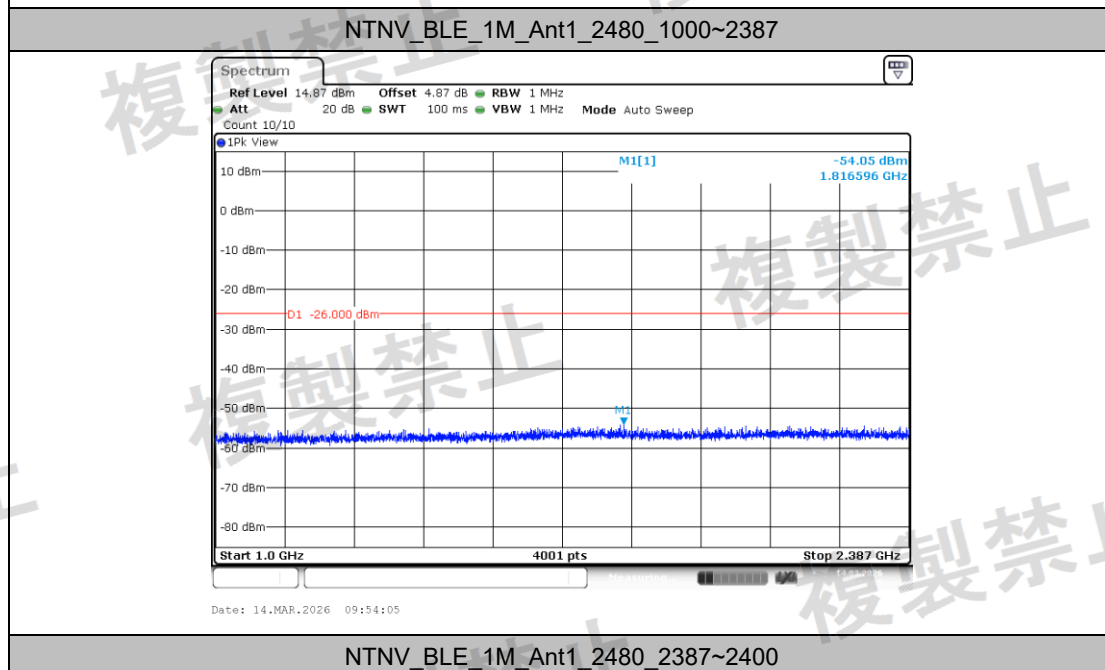
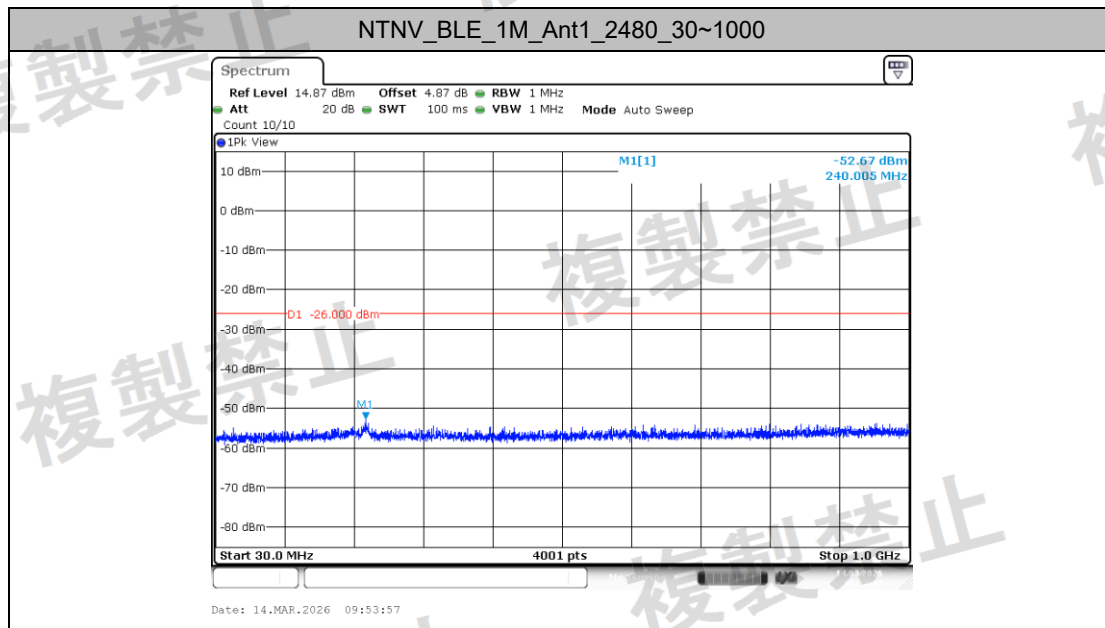


NTNV_BLE_1M_Ant1_2440_2483.5~2496.5

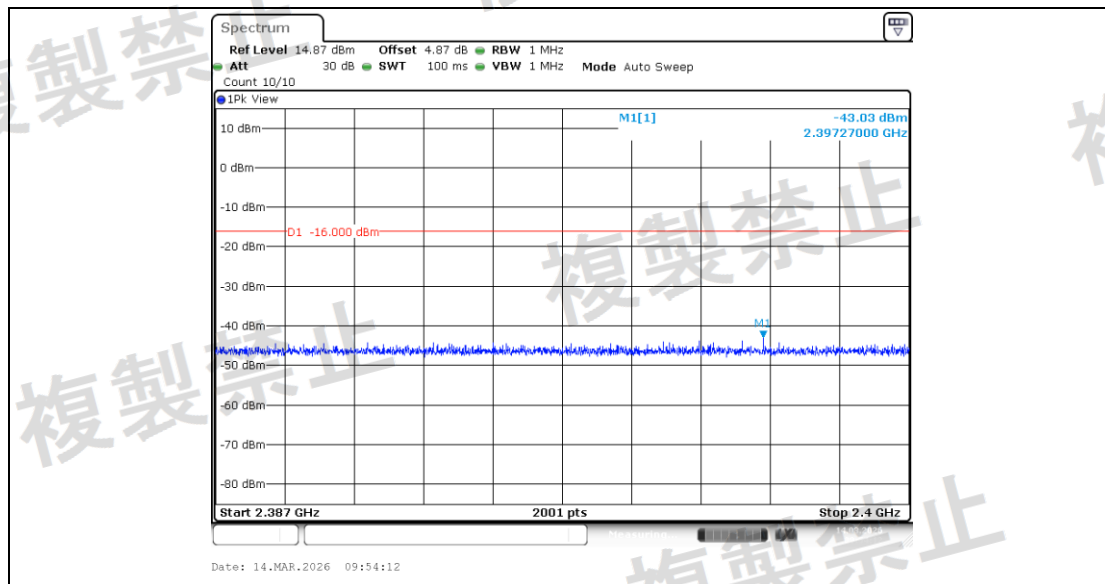


NTNV_BLE_1M_Ant1_2440_2496.5~13000

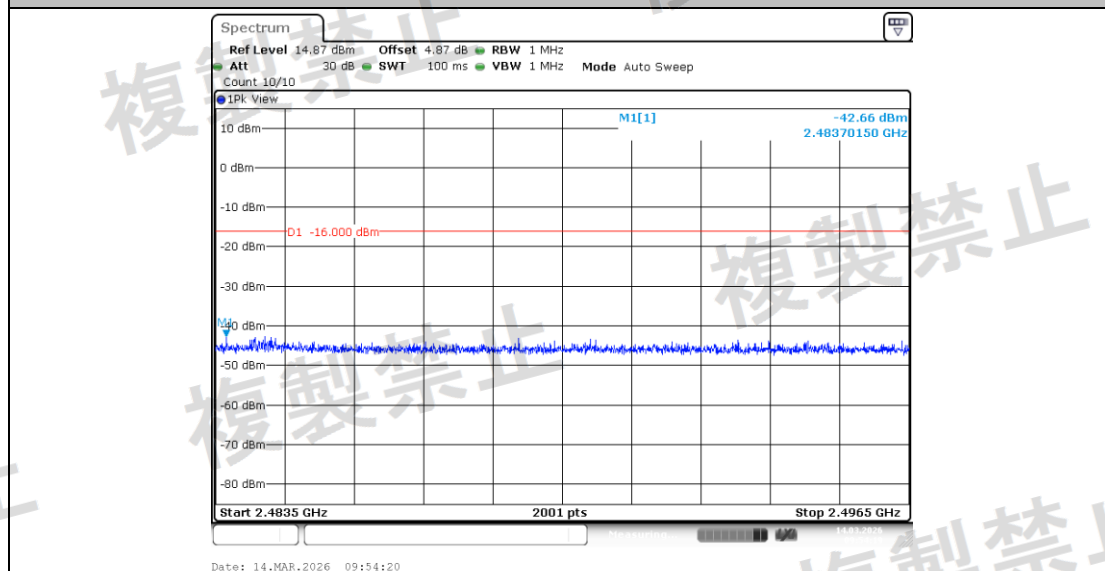




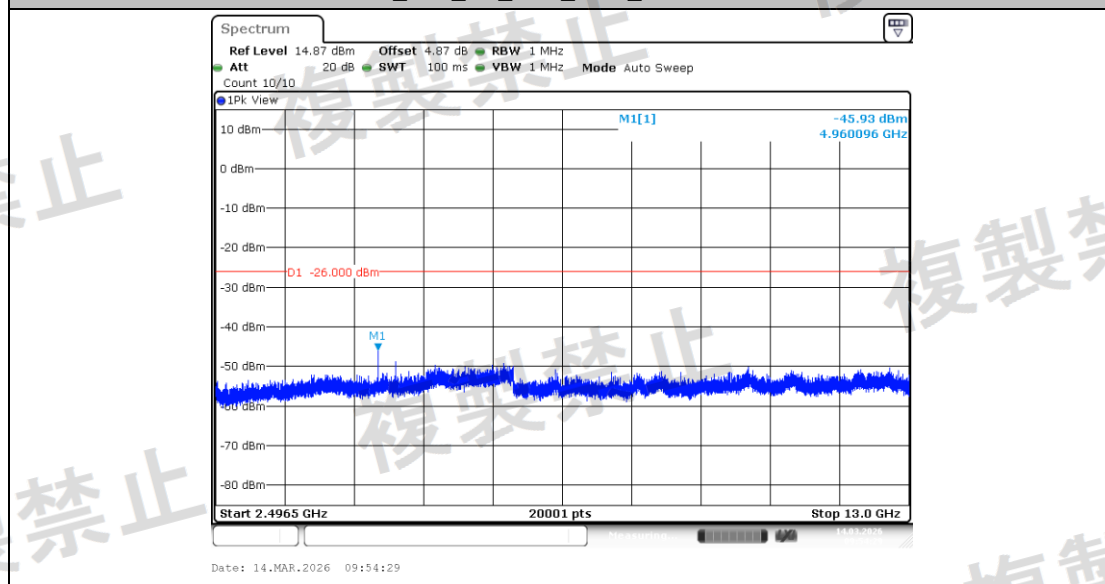
NTNV_BLE_1M_Ant1_2480_2387~2400



NTNV_BLE_1M_Ant1_2480_2483.5~2496.5



NTNV_BLE_1M_Ant1_2480_2496.5~13000

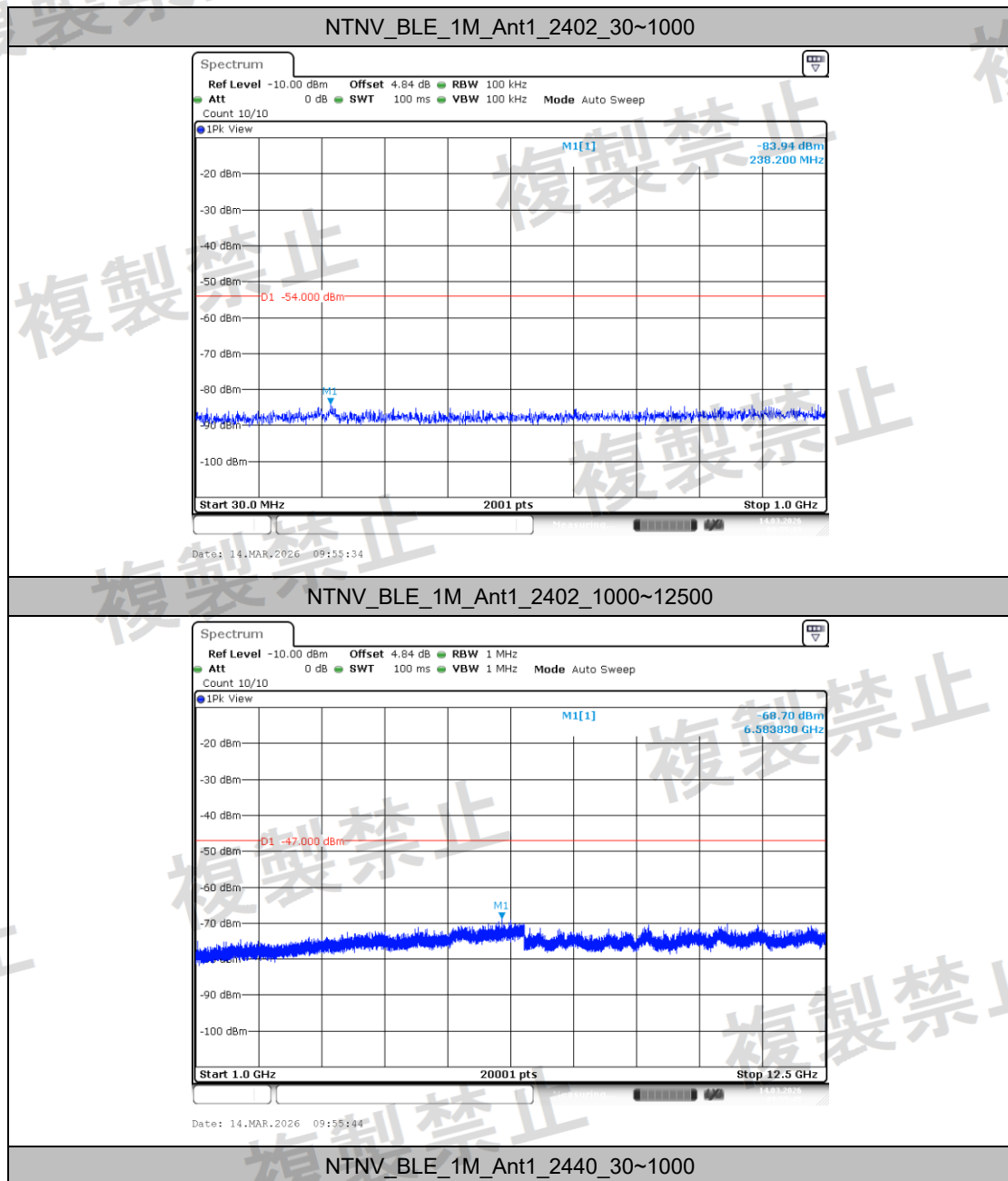


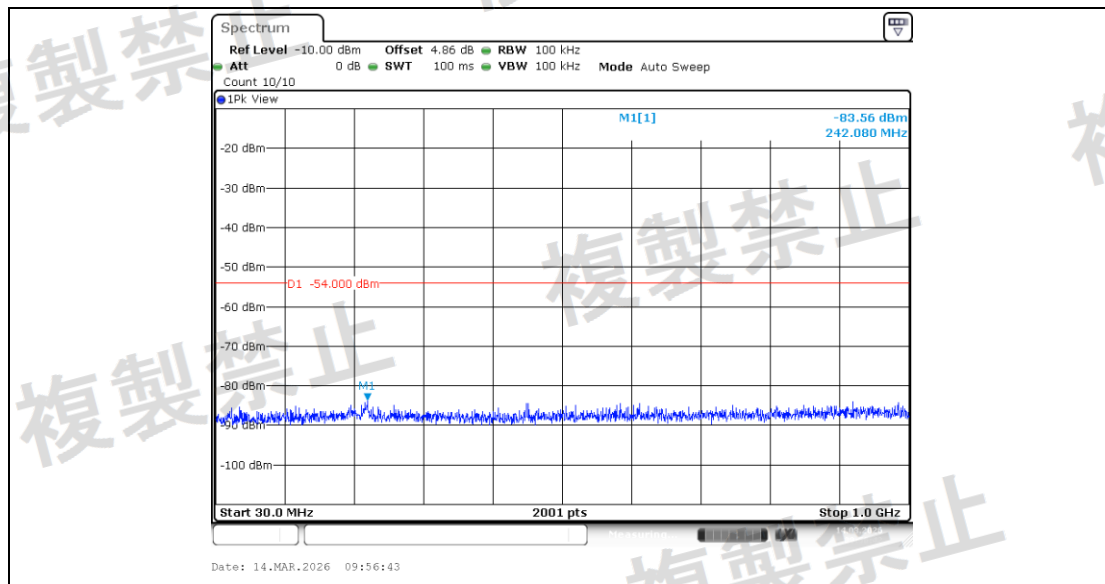
Appendix E: Spurious Emission of RX

Test Result

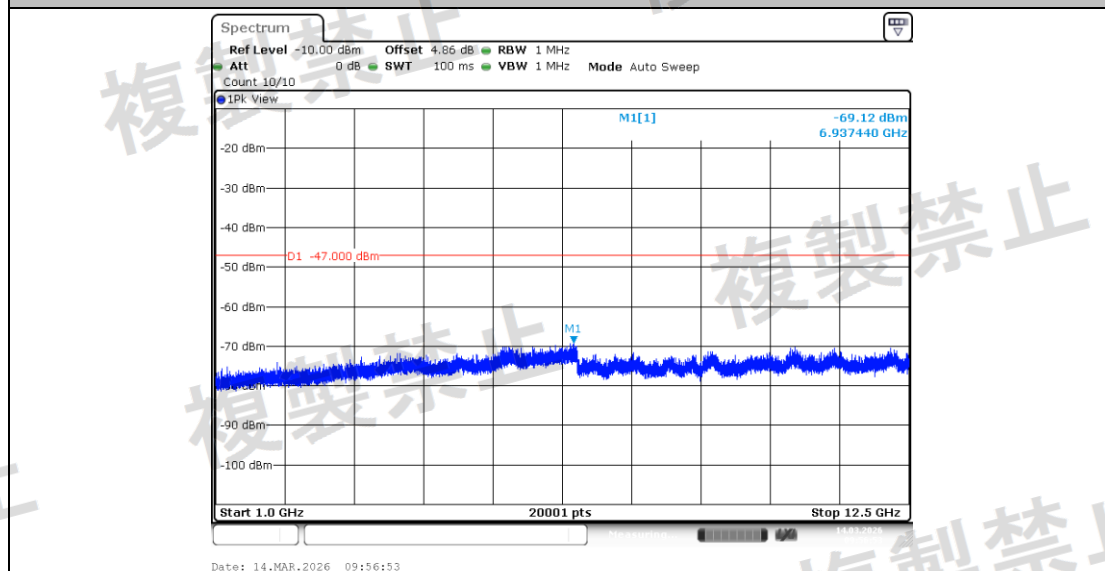
TestCondition	TestMode	Antenna	Freq(MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	238.20	-83.94	≤-54	0.00404	≤4	PASS
				1000~12500	6583.83	-68.70	≤-47	0.13490	≤20	PASS
			2440	30~1000	242.08	-83.56	≤-54	0.00441	≤4	PASS
				1000~12500	6937.44	-69.12	≤-47	0.12246	≤20	PASS
			2480	30~1000	240.63	-83.00	≤-54	0.00501	≤4	PASS
				1000~12500	6999.54	-69.20	≤-47	0.12023	≤20	PASS

Test Graphs





NTNV_BLE_1M_Ant1_2440_1000~12500



NTNV_BLE_1M_Ant1_2480_30~1000

