

Appendix RF Test Data for BLE

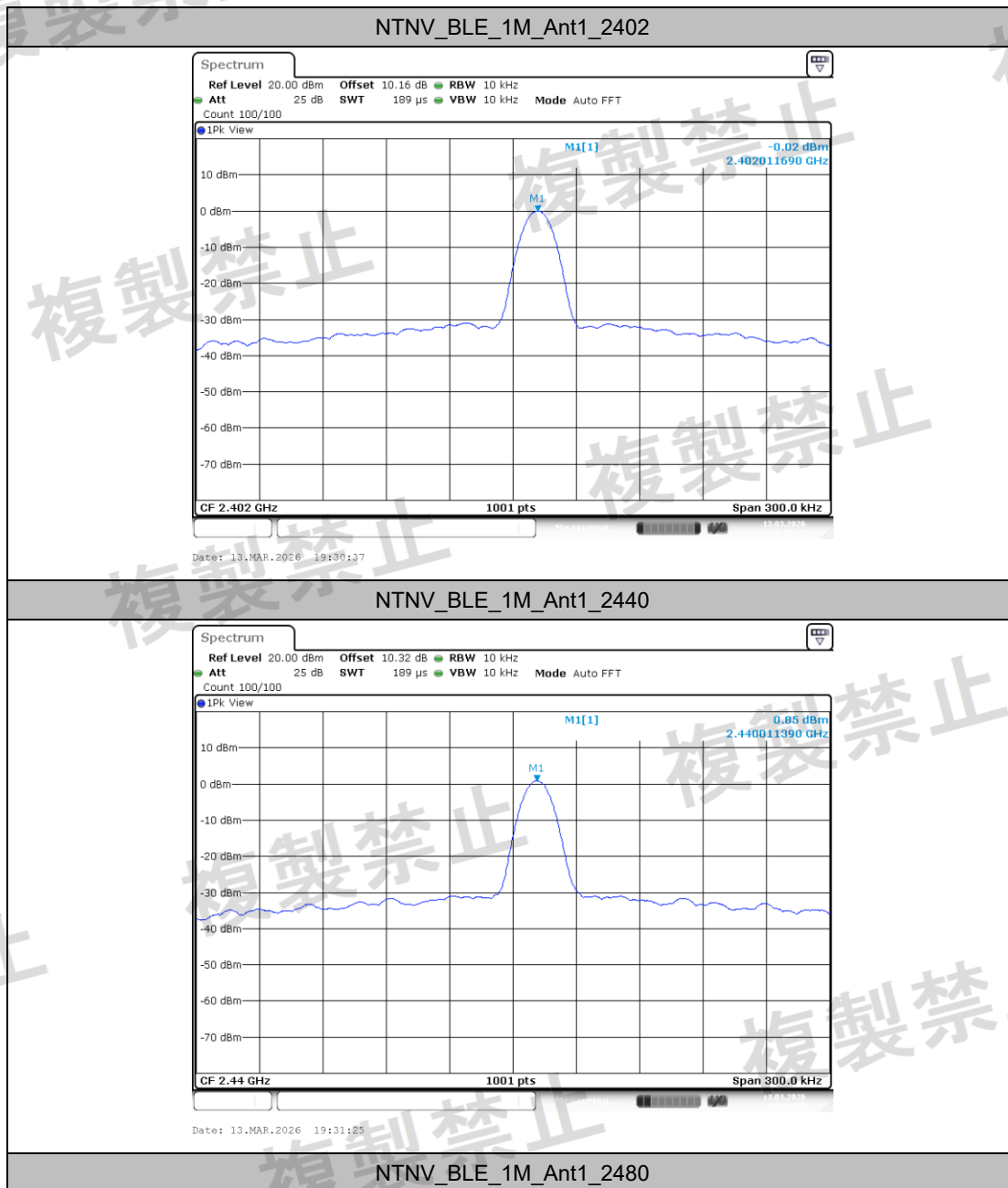
Company : Shenzhen Chenyue Technology Co., Ltd.
EUT : realfit Watch
Model Number : N2601
Report No. : CTA26031200101
Reviewed By : Eric Wang

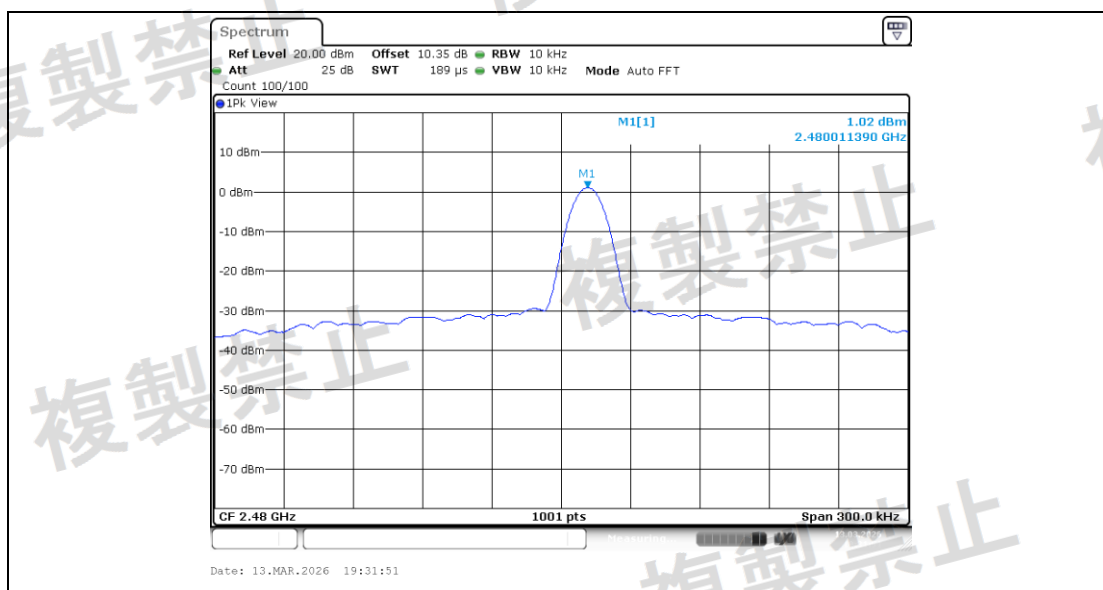
Appendix A: Frequency Error

Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTNV	BLE_1M	Ant1	2402	4.86678	±50	PASS
			2440	4.66803	±50	PASS
			2480	4.59274	±50	PASS

Test Graphs



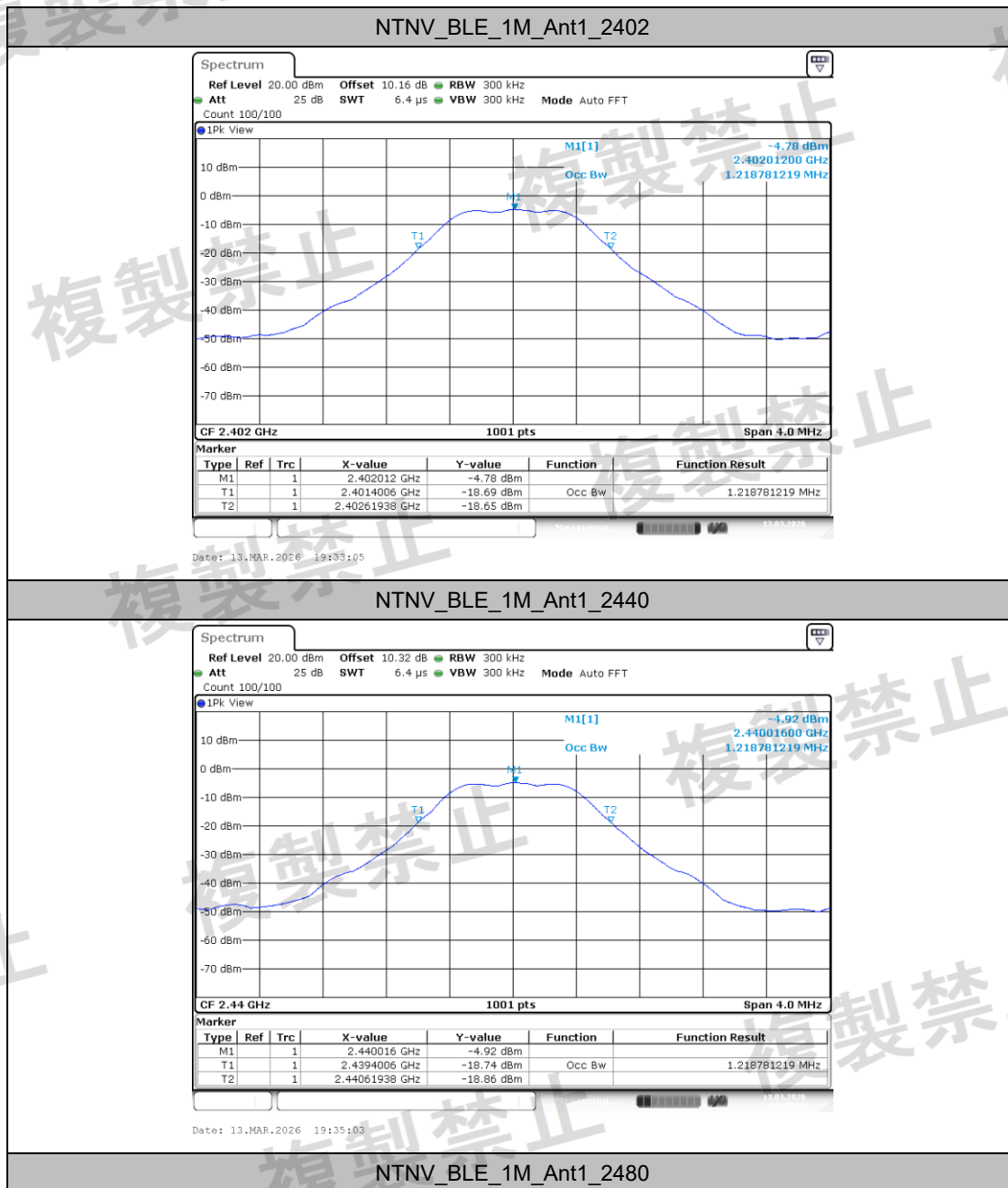


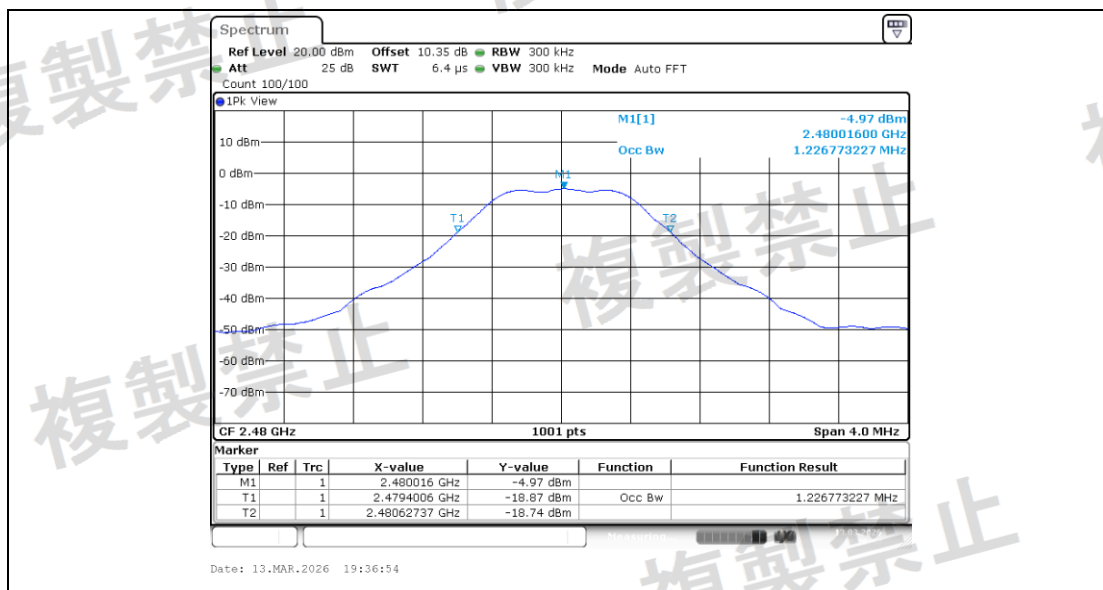
Appendix B: Occupied Bandwidth

Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	1.219	≤26	PASS
			2440	1.219	≤26	PASS
			2480	1.227	≤26	PASS

Test Graphs



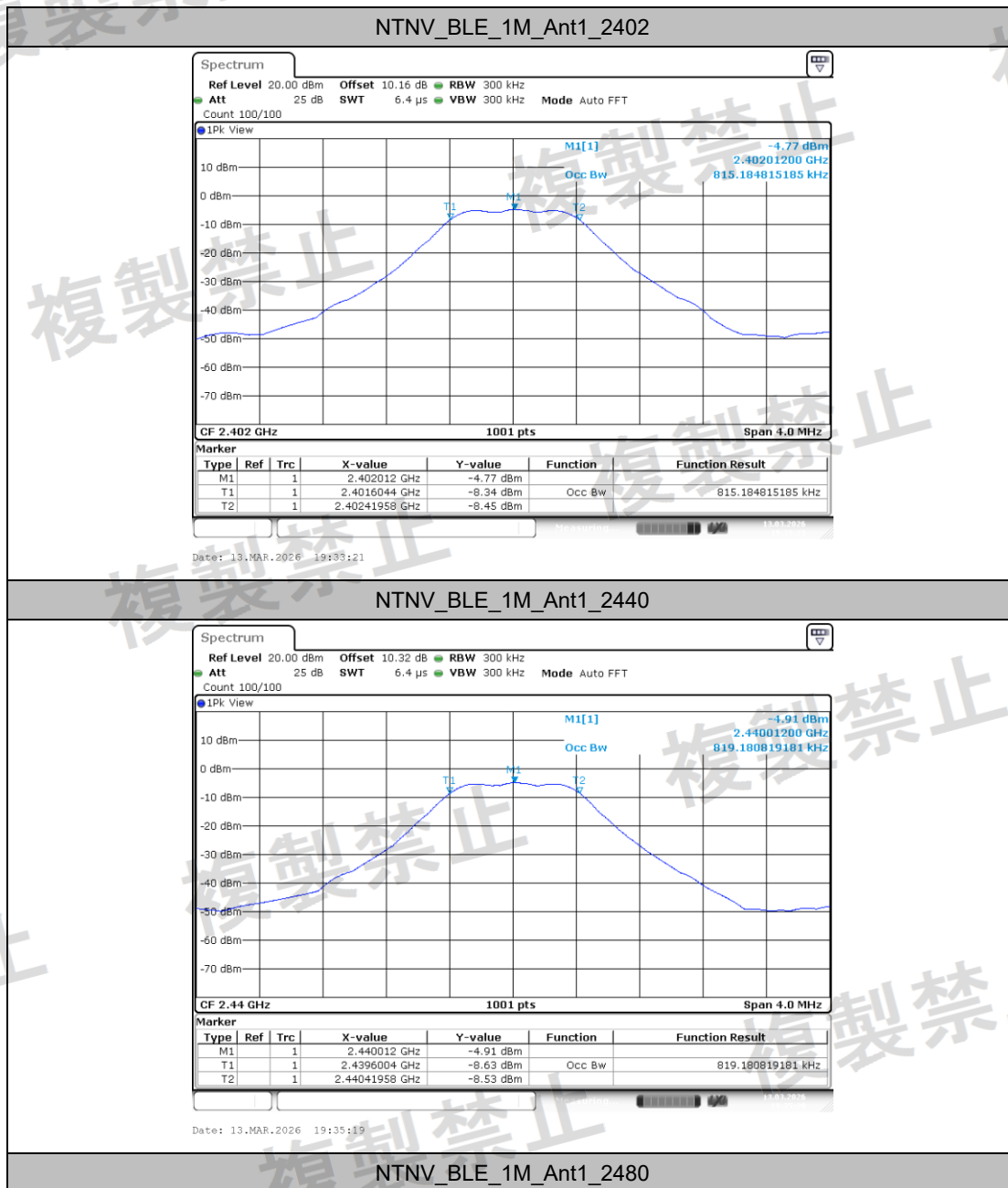


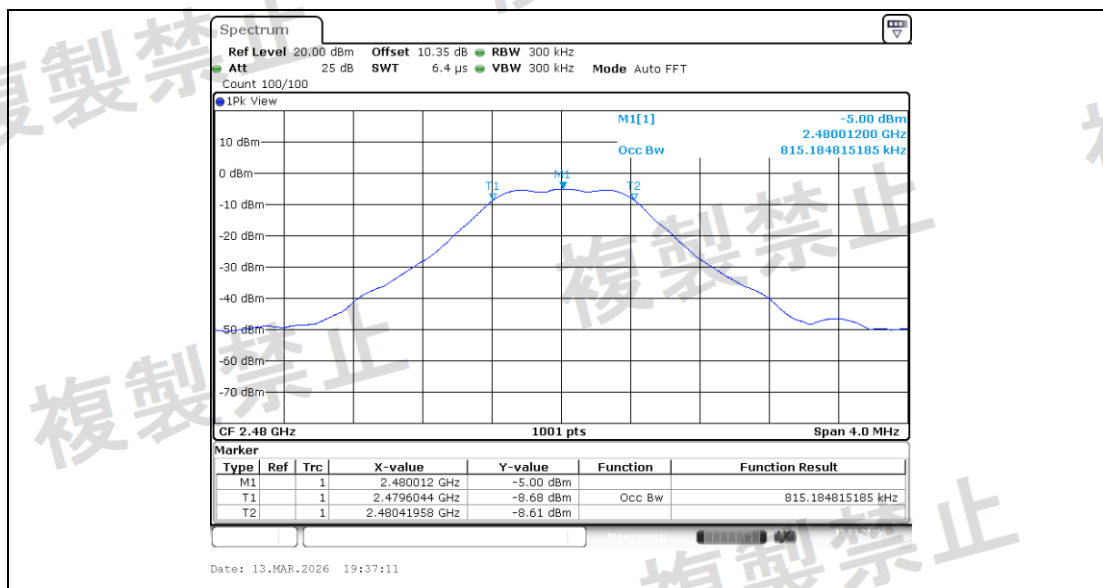
Appendix C: Spread Bandwidth

Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	0.815	≥0.5	PASS
			2440	0.819	≥0.5	PASS
			2480	0.815	≥0.5	PASS

Test Graphs



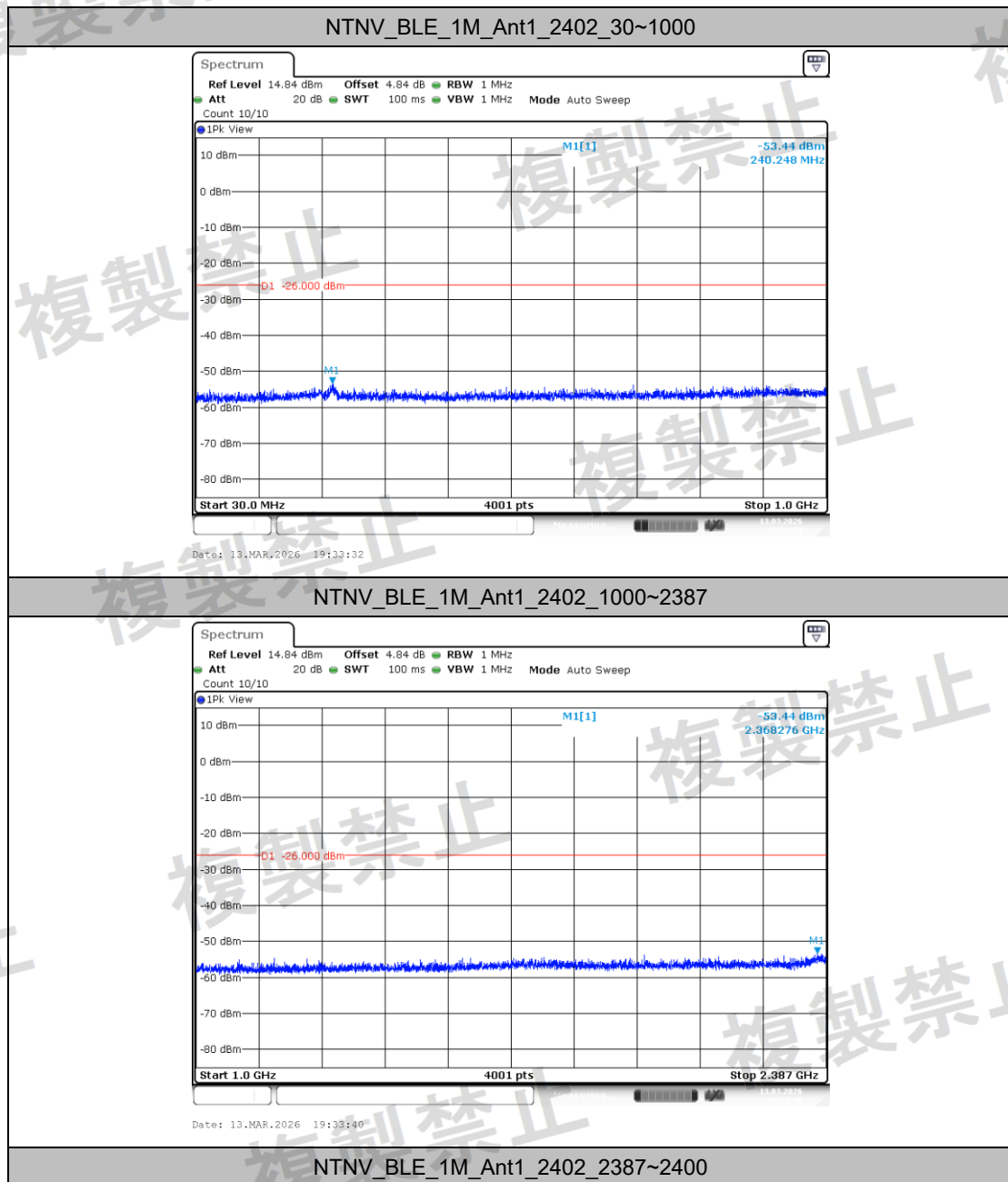


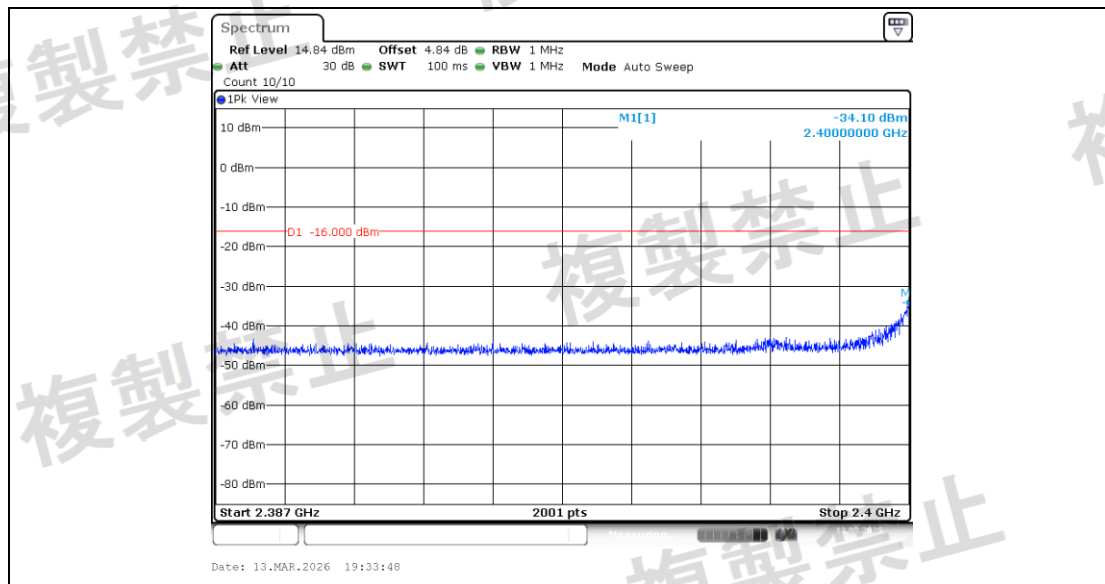
Appendix D: Spurious Emission of TX

Test Result

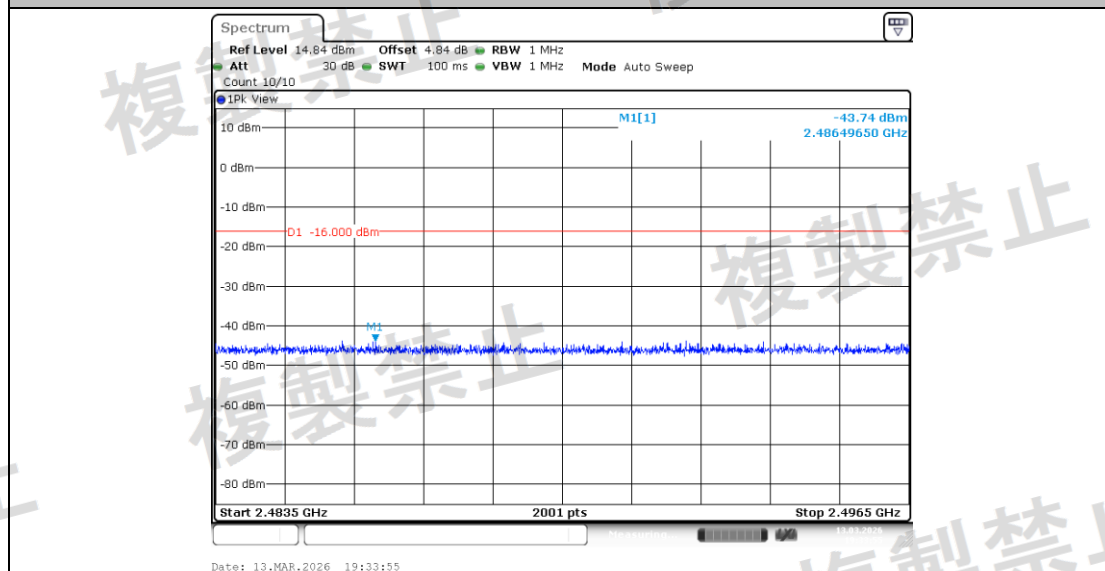
TestCondition	TestMode	Antenna	Freq(M Hz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	240.25	-53.44	≤-26	0.00453	≤2.5	PASS
				1000~2387	2368.28	-53.44	≤-26	0.00453	≤2.5	PASS
				2387~2400	2400.00	-34.10	≤-16	0.38905	≤25	PASS
				2483.5~2496.5	2486.50	-43.74	≤-16	0.04227	≤25	PASS
				2496.5~13000	5224.78	-47.34	≤-26	0.01845	≤2.5	PASS
			2440	30~1000	998.06	-53.58	≤-26	0.00439	≤2.5	PASS
				1000~2387	2216.40	-53.82	≤-26	0.00415	≤2.5	PASS
				2387~2400	2397.39	-44.09	≤-16	0.03899	≤25	PASS
				2483.5~2496.5	2495.79	-43.73	≤-16	0.04236	≤25	PASS
				2496.5~13000	5225.83	-42.76	≤-26	0.05297	≤2.5	PASS
			2480	30~1000	905.18	-35.38	≤-26	0.28973	≤2.5	PASS
				1000~2387	2301.01	-54.07	≤-26	0.00392	≤2.5	PASS
				2387~2400	2399.53	-43.24	≤-16	0.04742	≤25	PASS
				2483.5~2496.5	2484.75	-42.82	≤-16	0.05224	≤25	PASS
				2496.5~13000	4959.57	-47.20	≤-26	0.01905	≤2.5	PASS

Test Graphs

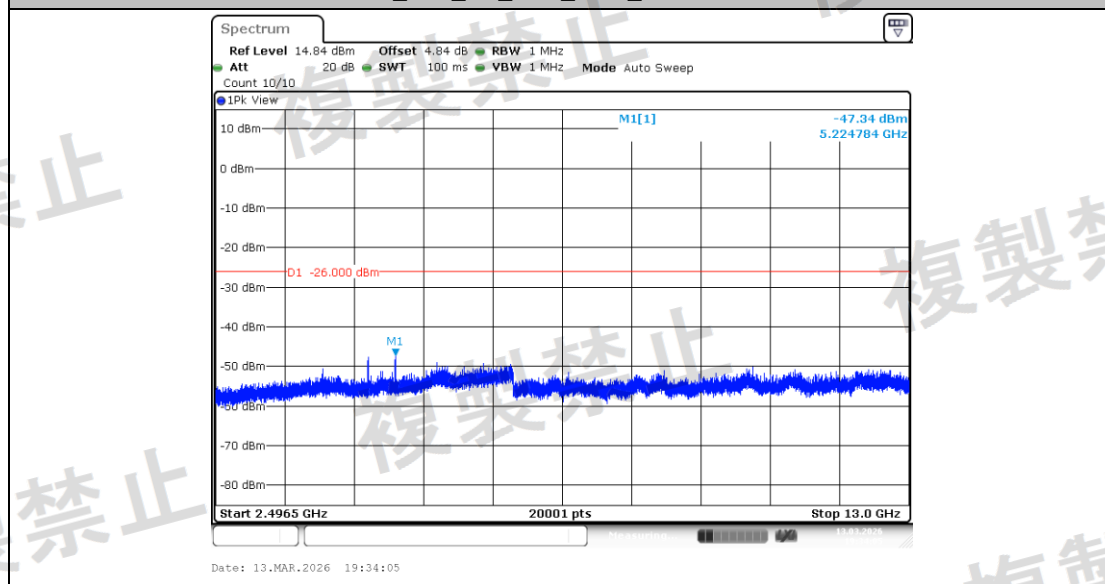


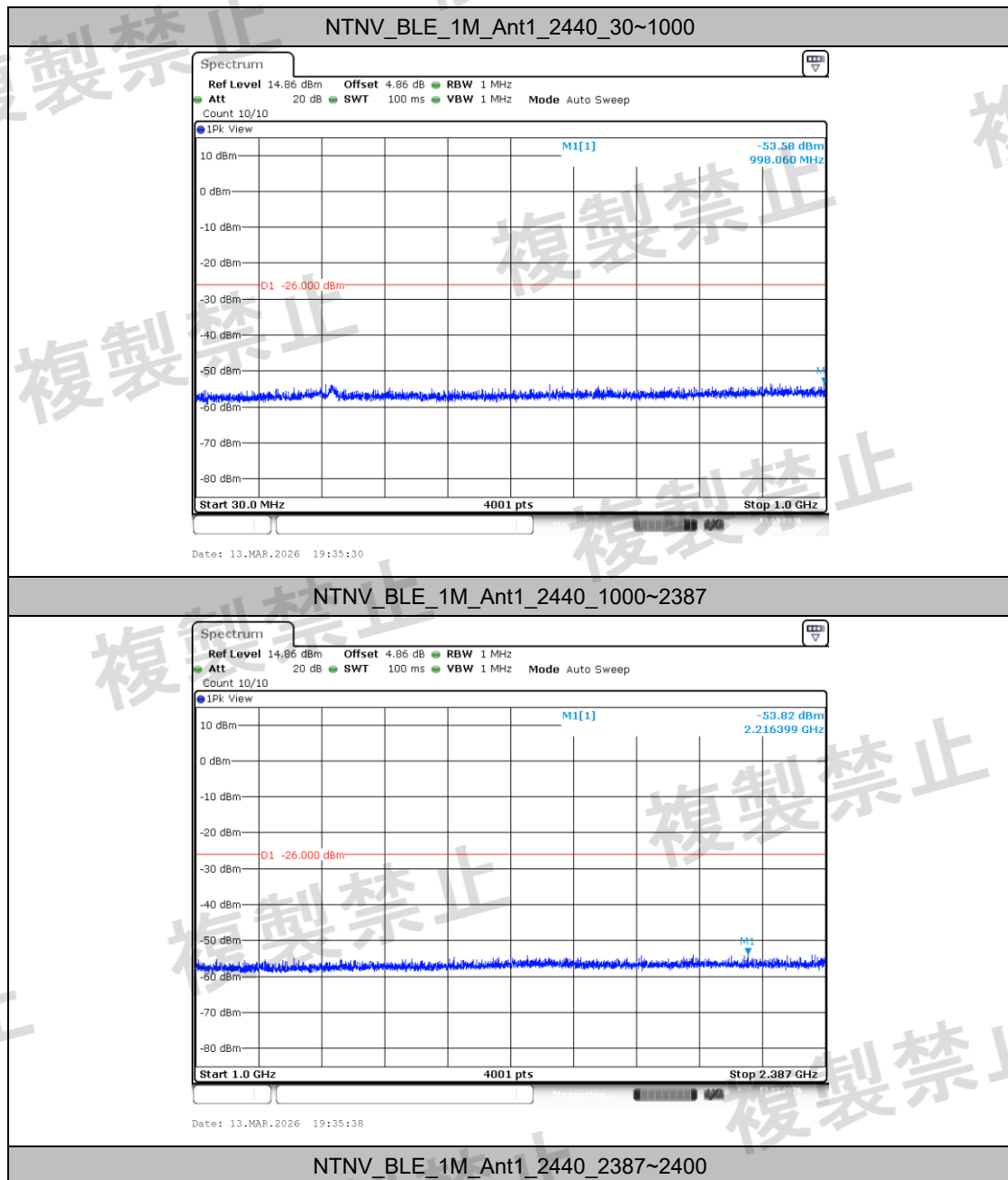


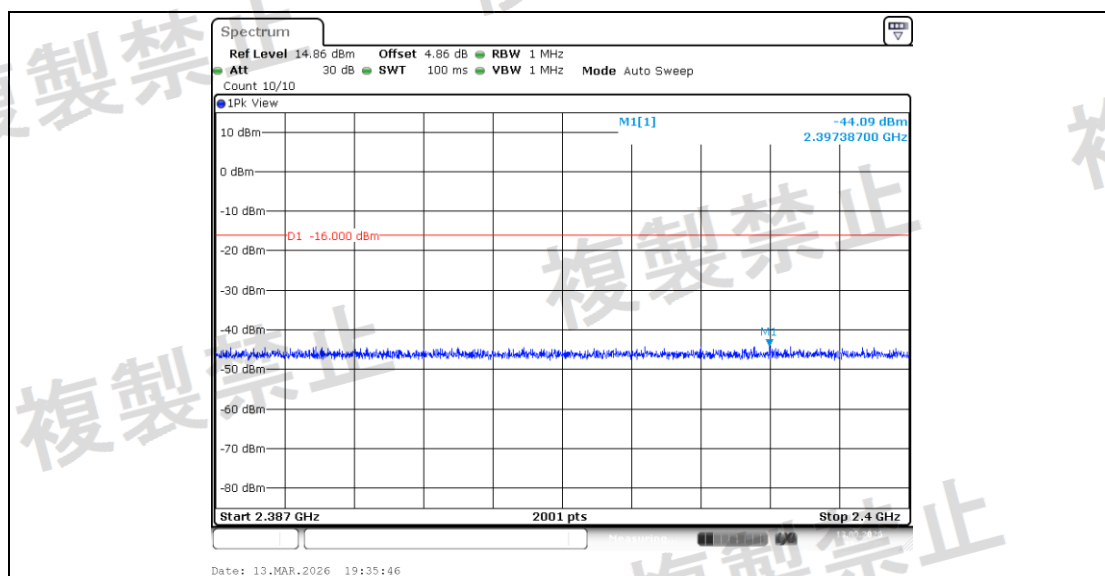
NTNV_BLE_1M_Ant1_2402_2483.5~2496.5



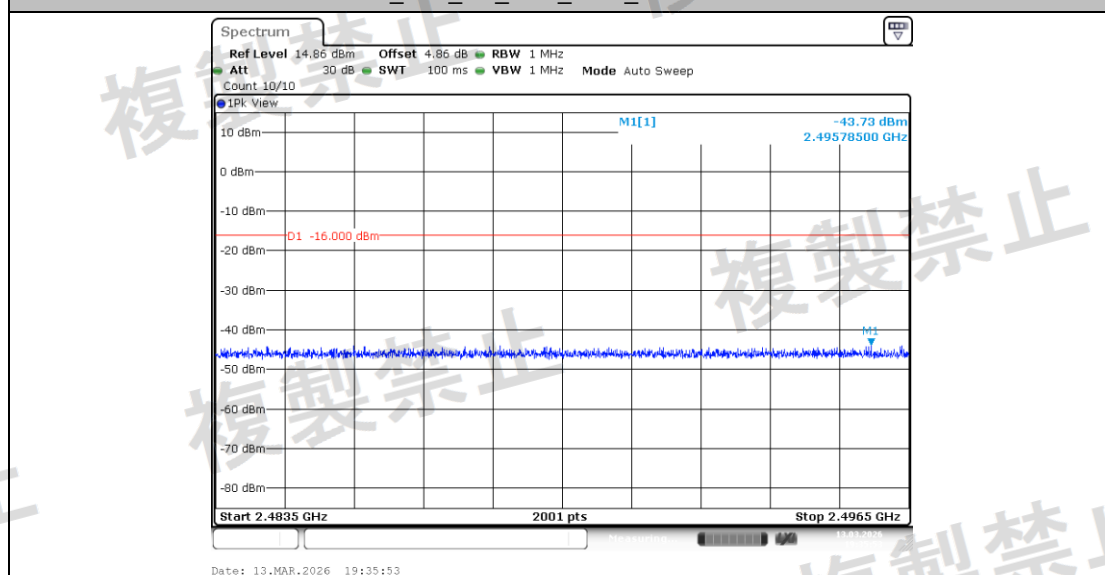
NTNV_BLE_1M_Ant1_2402_2496.5~13000



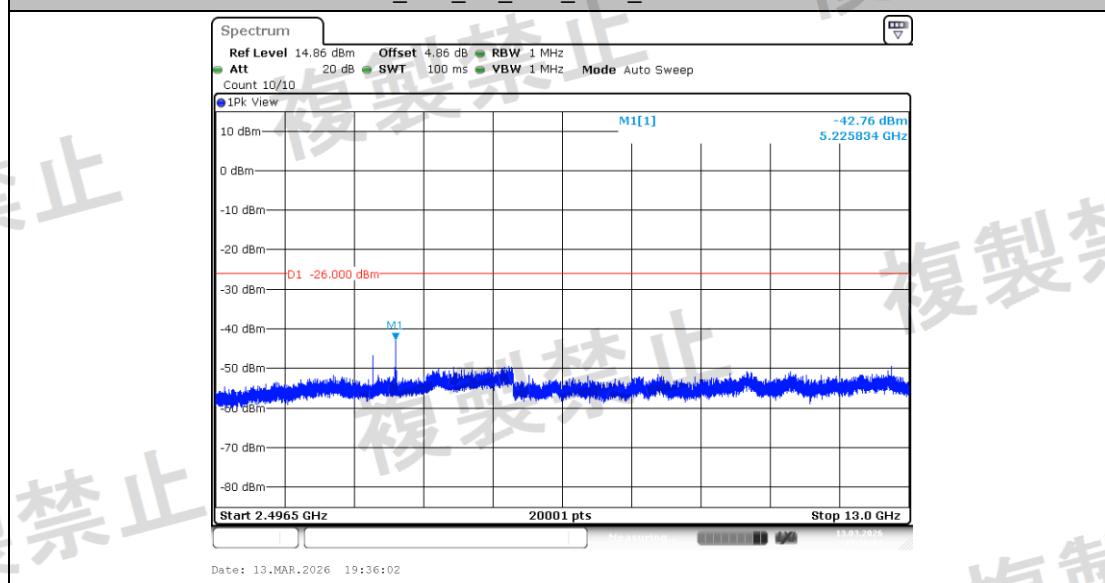


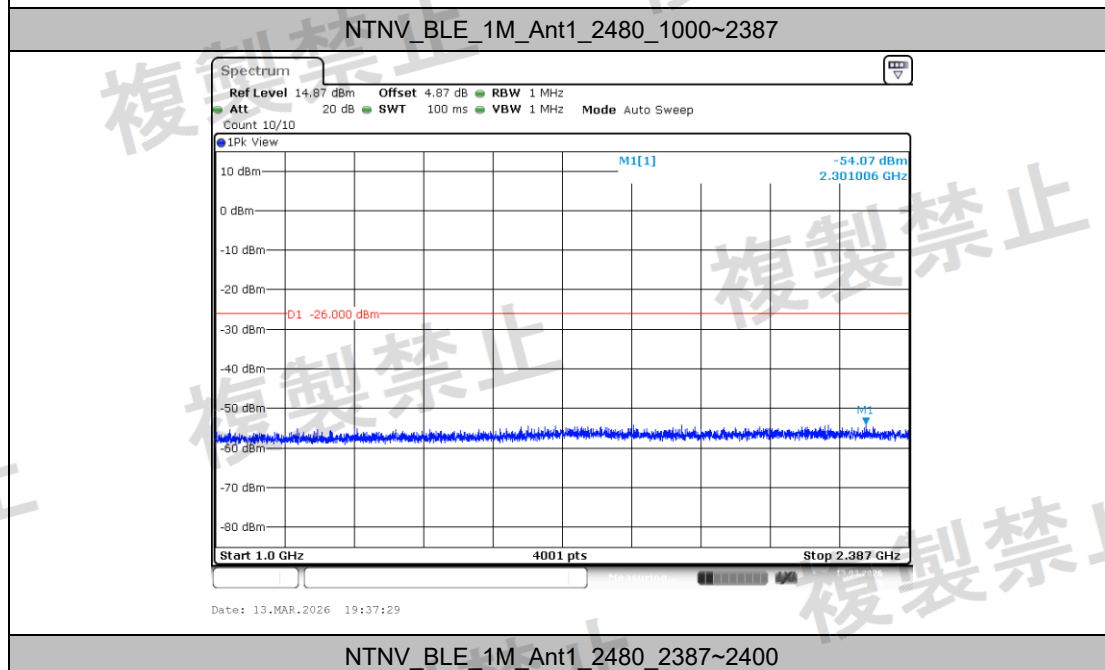
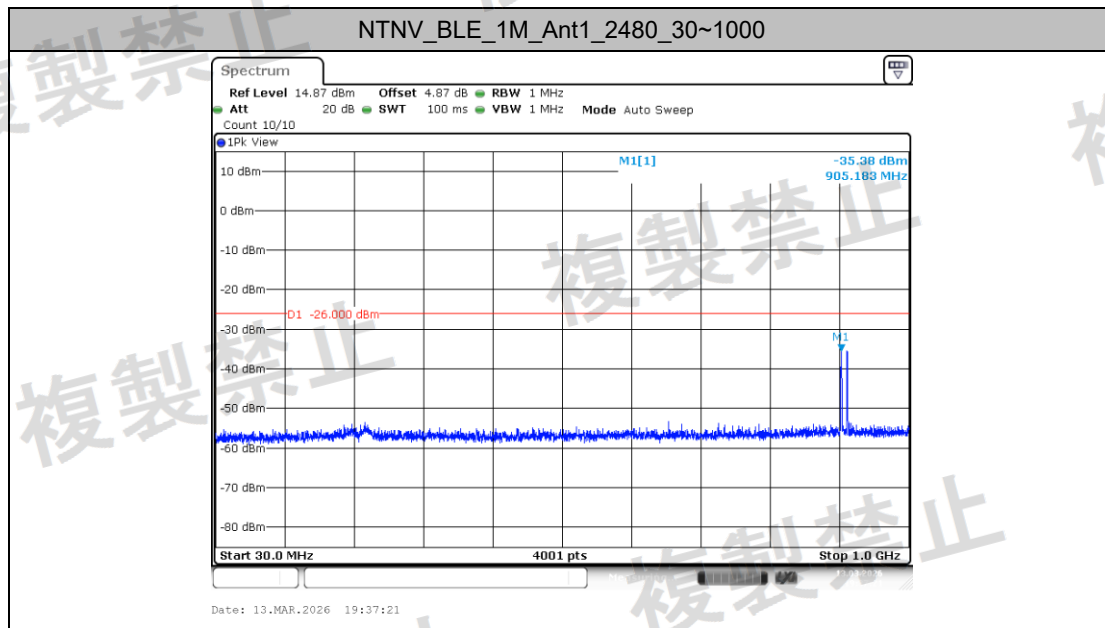


NTNV_BLE_1M_Ant1_2440_2483.5~2496.5

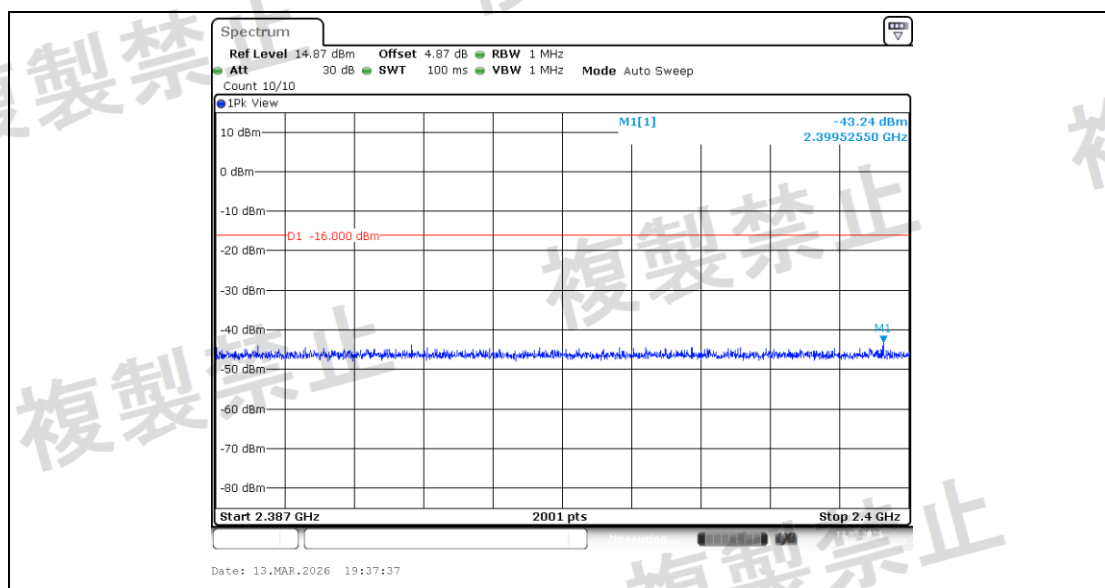


NTNV_BLE_1M_Ant1_2440_2496.5~13000

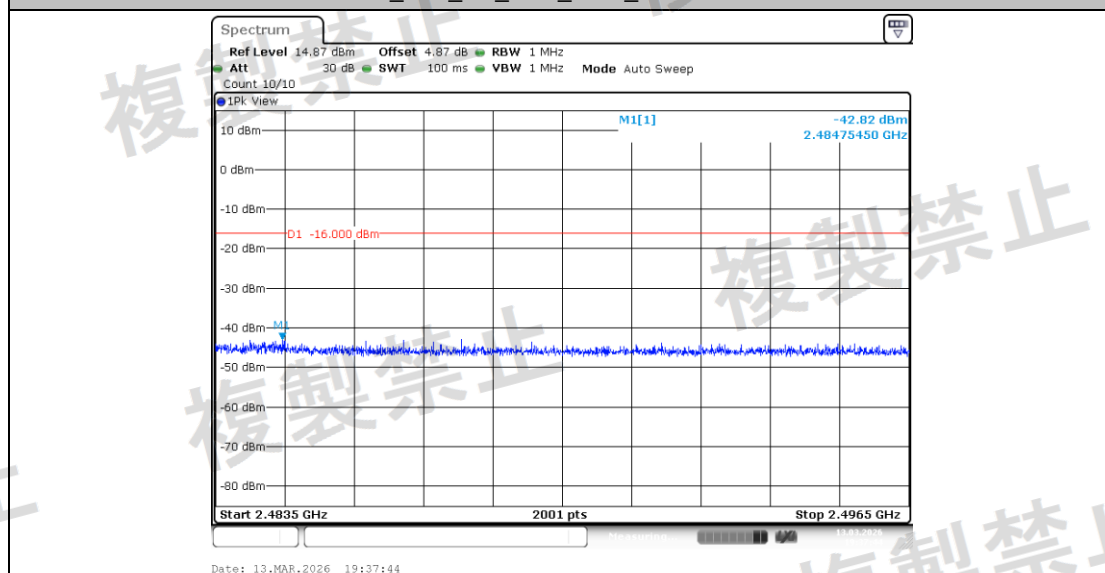




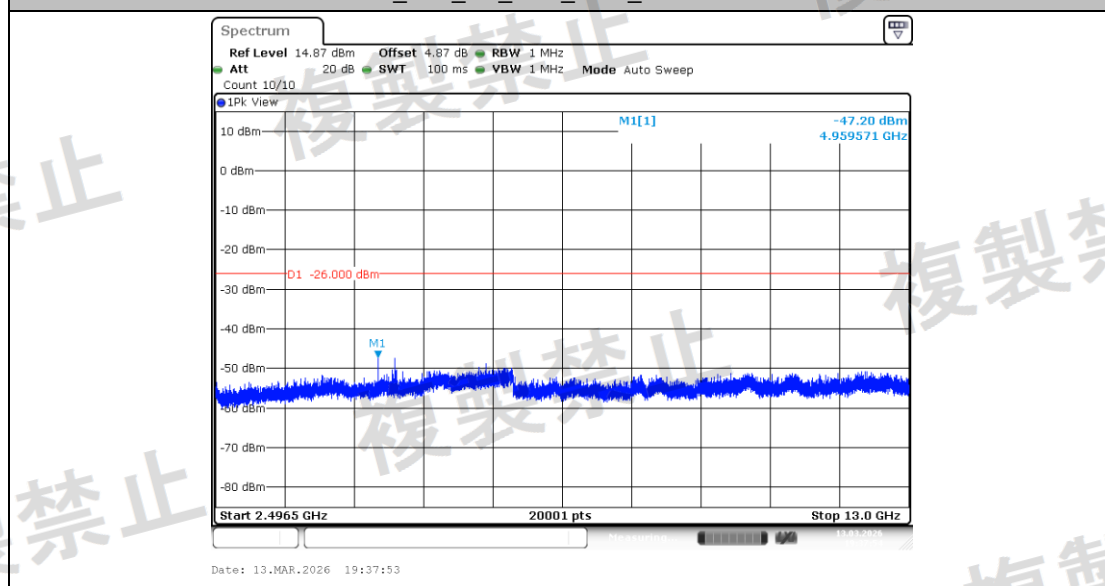
NTNV_BLE_1M_Ant1_2480_2387~2400



NTNV_BLE_1M_Ant1_2480_2483.5~2496.5



NTNV_BLE_1M_Ant1_2480_2496.5~13000

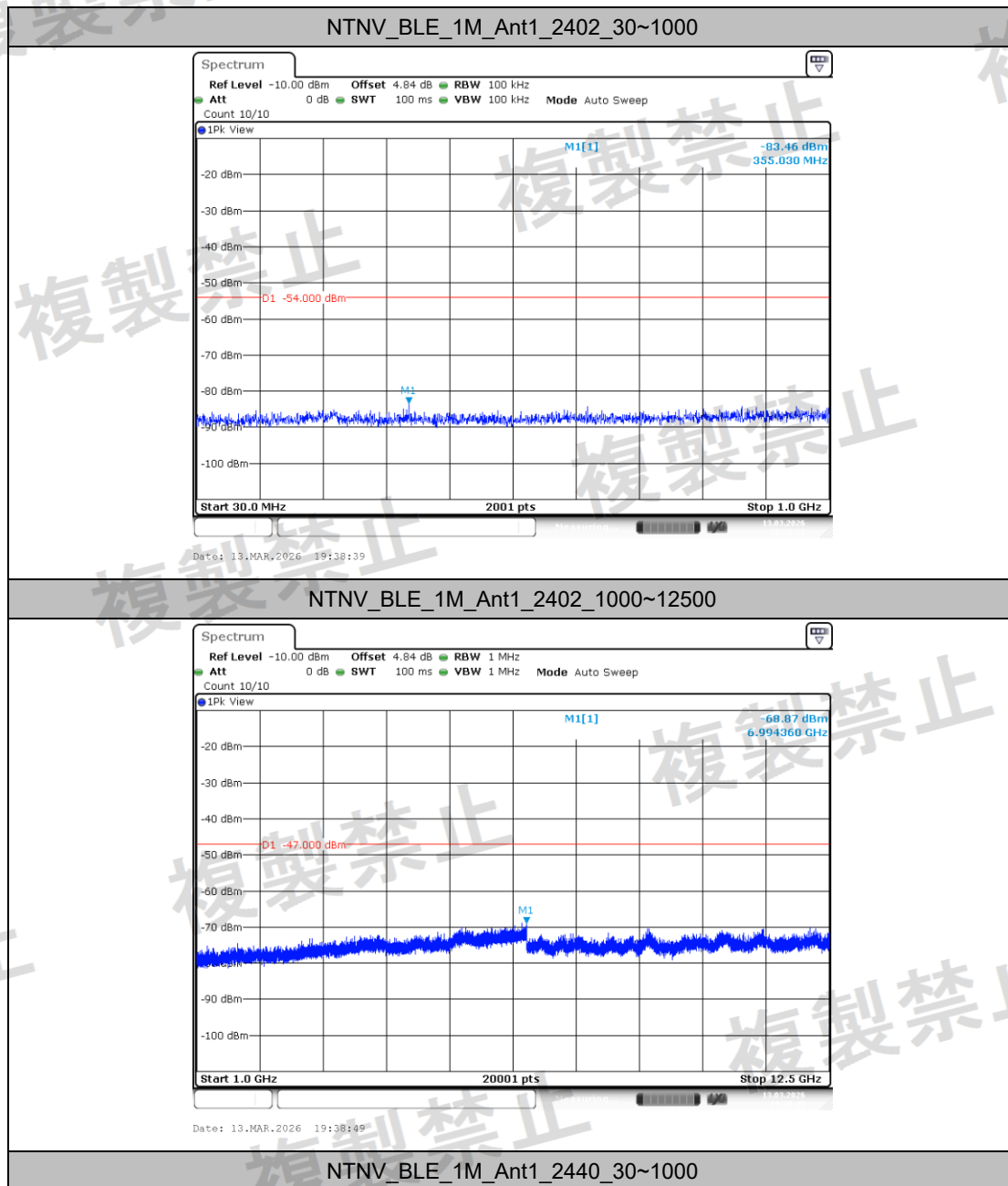


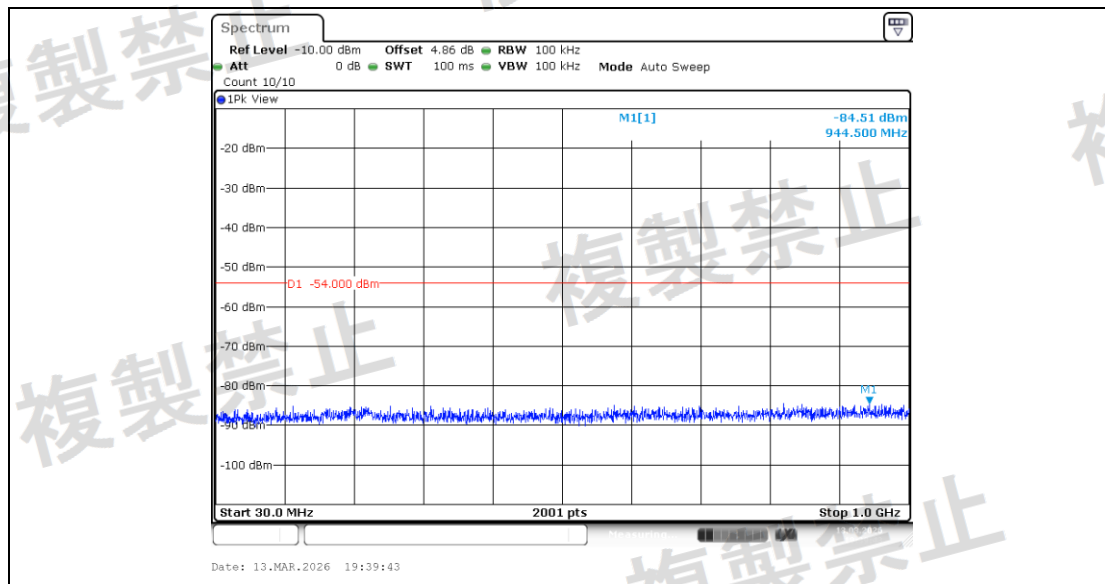
Appendix E: Spurious Emission of RX

Test Result

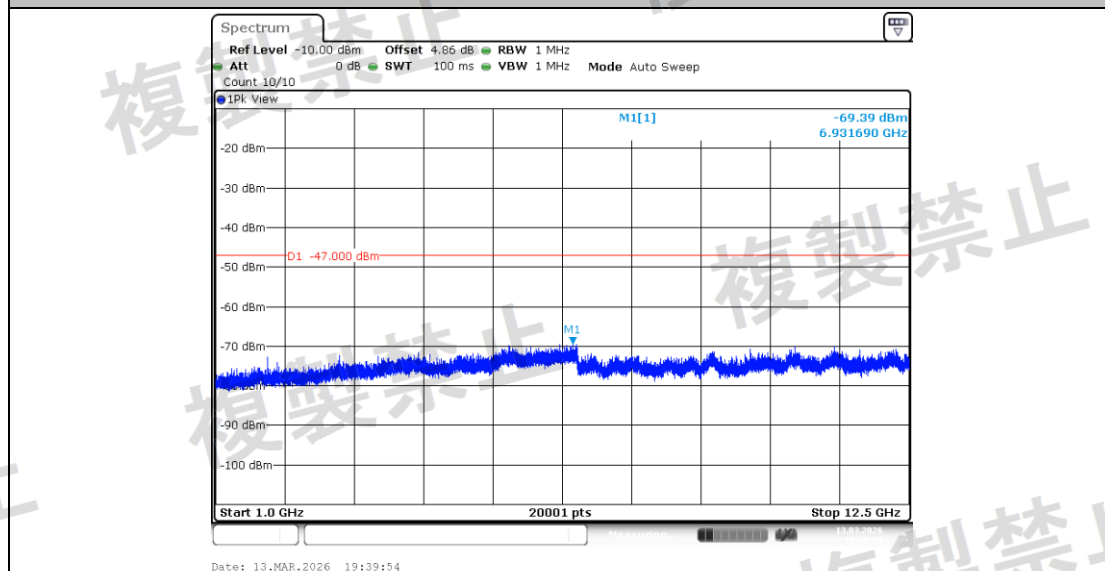
TestCondition	TestMode	Antenna	Freq(MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	355.03	-83.46	≤-54	0.00451	≤4	PASS
				1000~12500	6994.36	-68.87	≤-47	0.12972	≤20	PASS
			2440	30~1000	944.50	-84.51	≤-54	0.00354	≤4	PASS
				1000~12500	6931.69	-69.39	≤-47	0.11508	≤20	PASS
			2480	30~1000	952.25	-83.10	≤-54	0.00490	≤4	PASS
				1000~12500	6318.77	-69.46	≤-47	0.11324	≤20	PASS

Test Graphs





NTVN_BLE_1M_Ant1_2440_1000~12500



NTVN_BLE_1M_Ant1_2480_30~1000

