

Appendix Test Data

Report No.:	1812C60457912501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-8-12	Finish Test Date:	2026-8-12
Test Engineer:	Tracy Liang	Auditor:	Justin Feng
Temperature:	26.4°C	Relative Humidity:	57%
Pressure:	101kPa		

Appendix A: Frequency_Error

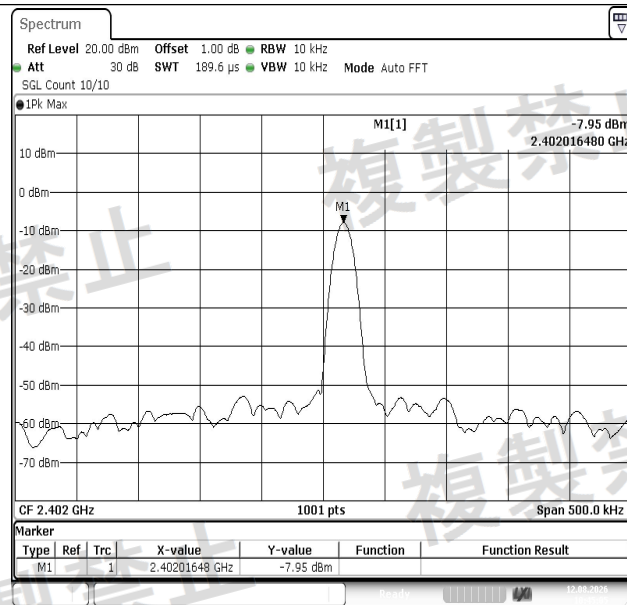
Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	Center Freq. [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	CW	Ant1	2402	2402.01648	6.86095	±50	PASS
NTNV	CW	Ant1	2440	2440.01648	6.75410	±50	PASS
NTNV	CW	Ant1	2480	2480.01648	6.64516	±50	PASS

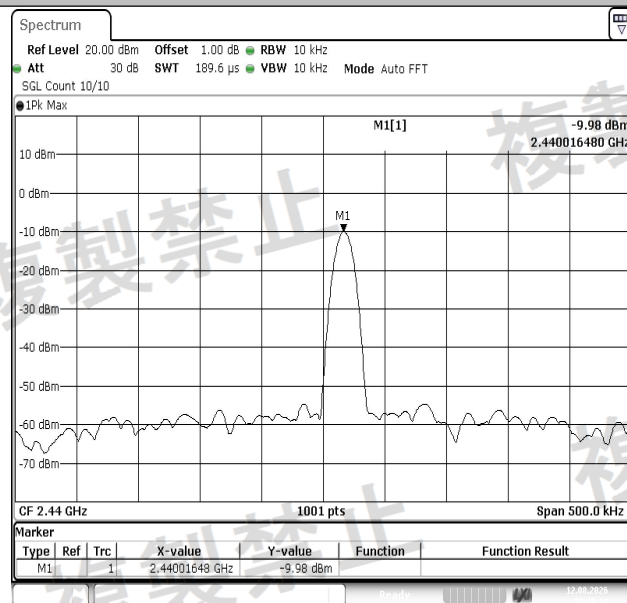
Note: Result[ppm]= (Center Freq.[MHz] - Frequency[MHz])/ Frequency[MHz]*1000000



Test Graphs

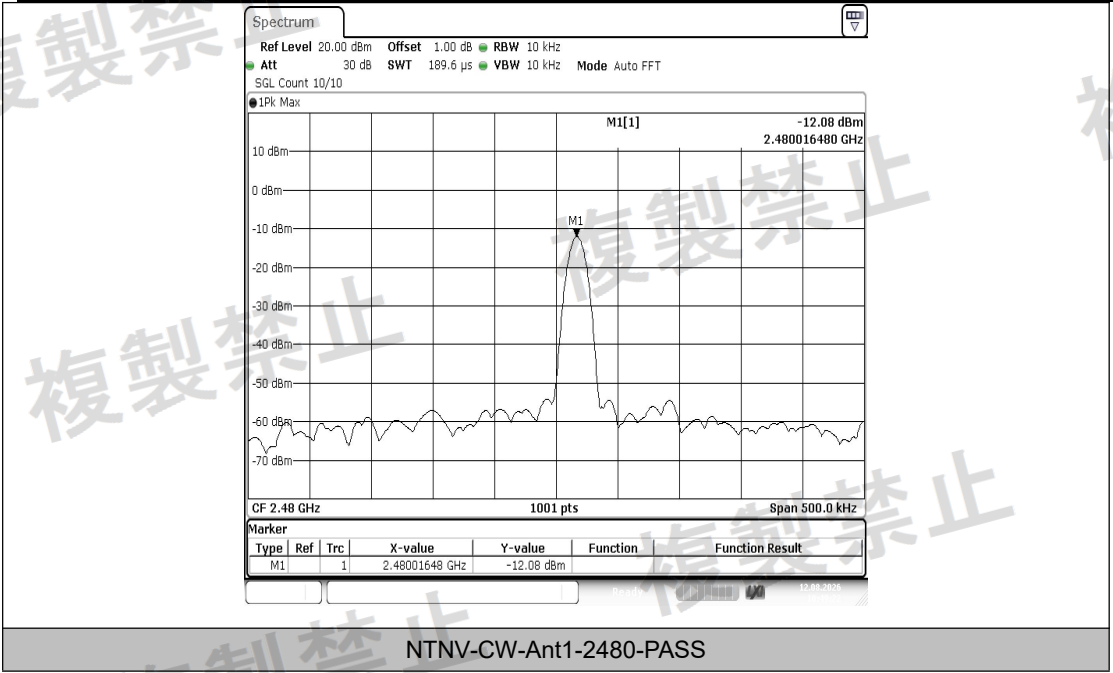


NTNV-CW-Ant1-2402-PASS



NTNV-CW-Ant1-2440-PASS





Appendix B: Antenna Power

Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	Result [dBm]	Result (mW)	Spread Bandwidth (MHz)	Result [mW/MHz]	Limit [mW/MHz]	Verdict
NTNV	2.4G	Ant1	Hop	-2.52	0.5598	71.129	0.0079	≤3	PASS

1.Result[mW]= $10^{(\text{Test Result[dBm]}/10)}$

2.The duty cycle factor is already included in the result.

Test Condition	Test Mode	Antenna	Frequency [MHz]	Power [mW/MHz]	Rated Power [mW/MHz]	Result [%]	Limit [%]	Verdict
NTNV	2.4G	Ant1	Hop	0.0079	0.1	-92.13	+20	PASS

Test Condition	Test Mode	Antenna	Frequency [MHz]	Result [dBm/MHz]	Gain [dBi]	EIRP (dBm/MHz)	Limit (dBm/MHz)	Verdict
NTNV	2.4G	Ant1	Hop	-21.04	1.67	-19.37	≤6.91	PASS

Note:

Result[dBm/MHz]= $10\log(\text{Power [mW/MHz]})$

EIRP[dBm/MHz]=Result[dBm/MHz]+Gain(dBi)



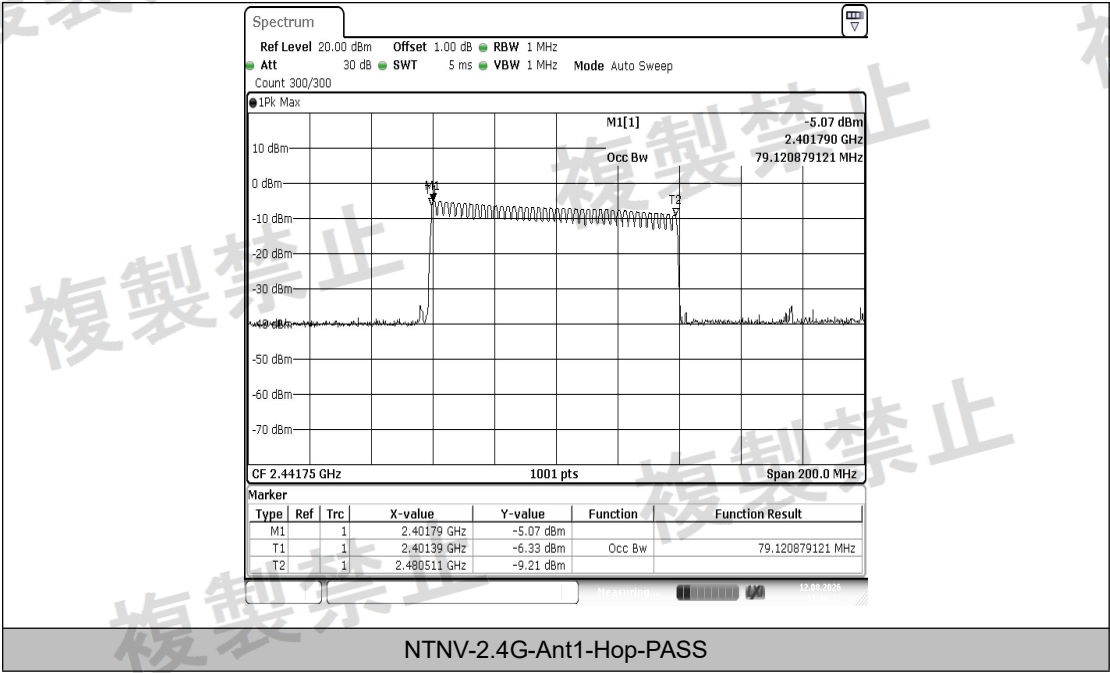
Appendix C: Occupied Bandwidth

Test Result

Test Condition	Test Mode	Antenna	Frequency[MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	2.4G	Ant1	Hop	79.121	≤83.5	PASS



Test Graphs



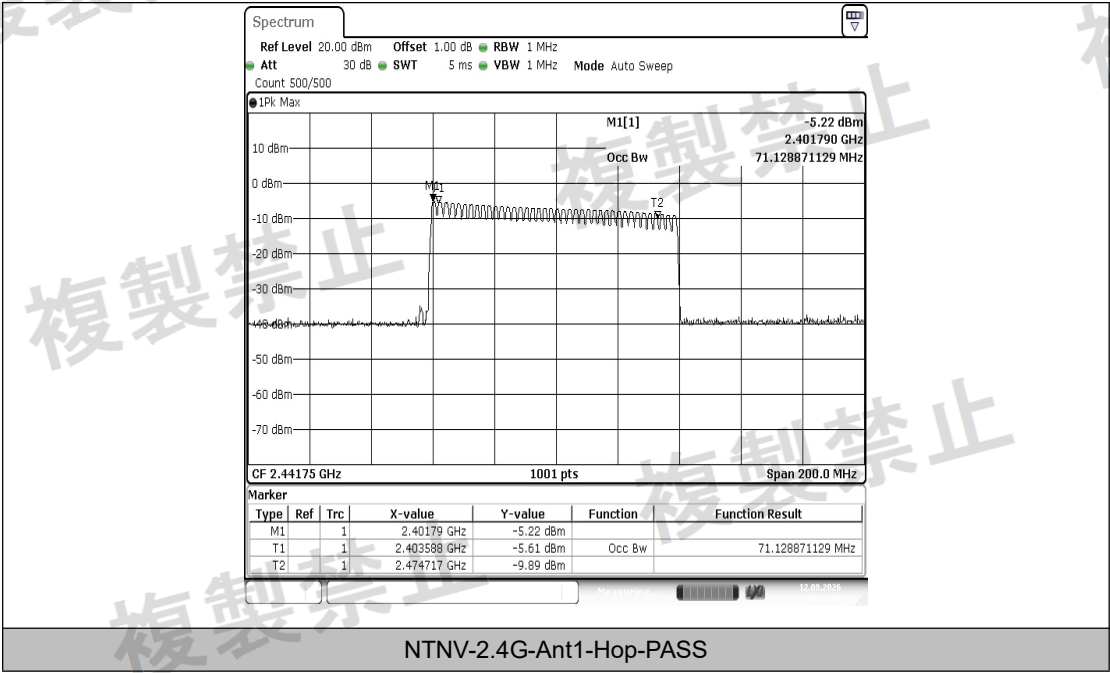
Appendix D: Spread Bandwidth

Test Result

Test Condition	Test Mode	Antenna	Frequency[MHz]	Result [MHz]
NTNV	2.4G	Ant1	Hop	71.129



Test Graphs



Appendix E: Spurious Emission of TX

Test Result

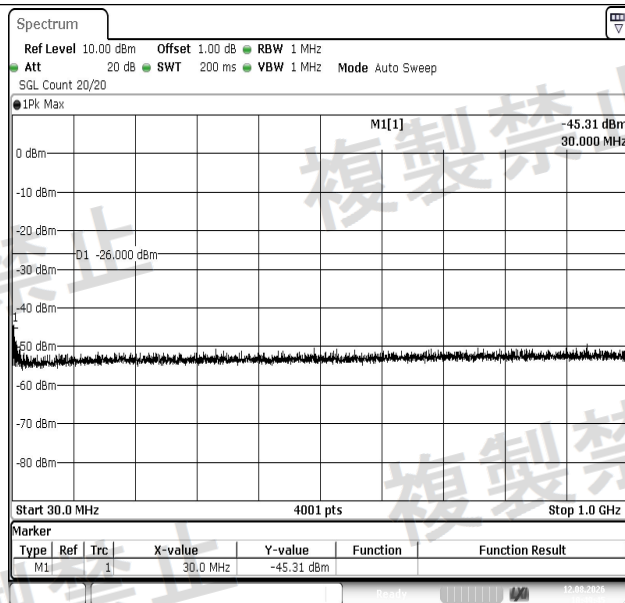
Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μ W/MHz]	Limit [μ W/MHz]	Verdict
NTNV	2.4G	Ant1	2402	30~1000	30.00	-45.31	≤ -26	0.02944	≤ 2.5	PASS
NTNV	2.4G	Ant1	2402	1000~2387	1746.55	-34.56	≤ -26	0.34995	≤ 2.5	PASS
NTNV	2.4G	Ant1	2402	2387~2400	2397.89	-32.55	≤ -16	0.55590	≤ 25	PASS
NTNV	2.4G	Ant1	2402	2483.5~2496.5	2495.02	-37.75	≤ -16	0.16788	≤ 25	PASS
NTNV	2.4G	Ant1	2402	2496.5~13000	6148.04	-44.18	≤ -26	0.03819	≤ 2.5	PASS
NTNV	2.4G	Ant1	2440	30~1000	825.40	-34.75	≤ -26	0.33497	≤ 2.5	PASS
NTNV	2.4G	Ant1	2440	1000~2387	1489.26	-48.71	≤ -26	0.01346	≤ 2.5	PASS
NTNV	2.4G	Ant1	2440	2387~2400	2396.94	-38.09	≤ -16	0.15524	≤ 25	PASS
NTNV	2.4G	Ant1	2440	2483.5~2496.5	2493.49	-38.23	≤ -16	0.15031	≤ 25	PASS
NTNV	2.4G	Ant1	2440	2496.5~13000	5224.78	-36.27	≤ -26	0.23605	≤ 2.5	PASS
NTNV	2.4G	Ant1	2480	30~1000	30.00	-44.51	≤ -26	0.03540	≤ 2.5	PASS
NTNV	2.4G	Ant1	2480	1000~2387	1937.61	-48.76	≤ -26	0.01330	≤ 2.5	PASS
NTNV	2.4G	Ant1	2480	2387~2400	2398.56	-38.33	≤ -16	0.14689	≤ 25	PASS
NTNV	2.4G	Ant1	2480	2483.5~2496.5	2484.05	-35.60	≤ -16	0.27542	≤ 25	PASS
NTNV	2.4G	Ant1	2480	2496.5~13000	6893.79	-44.85	≤ -26	0.03273	≤ 2.5	PASS

Test Result_Step2

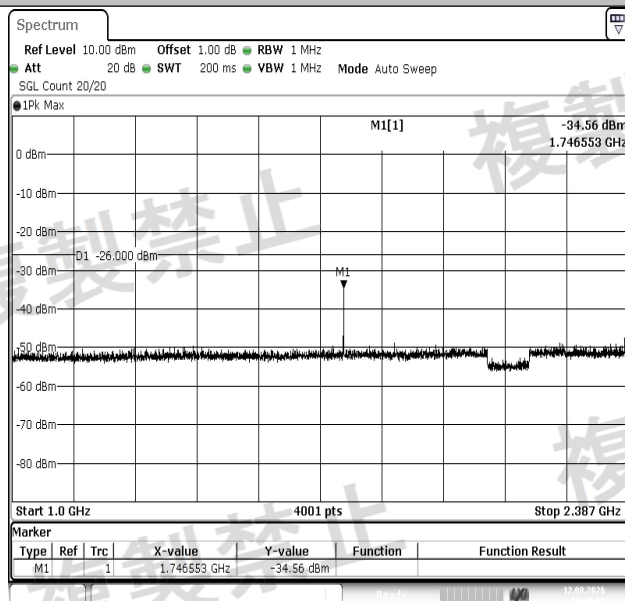
Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μ W/MHz]	Limit [μ W/MHz]	Verdict
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Test Graphs

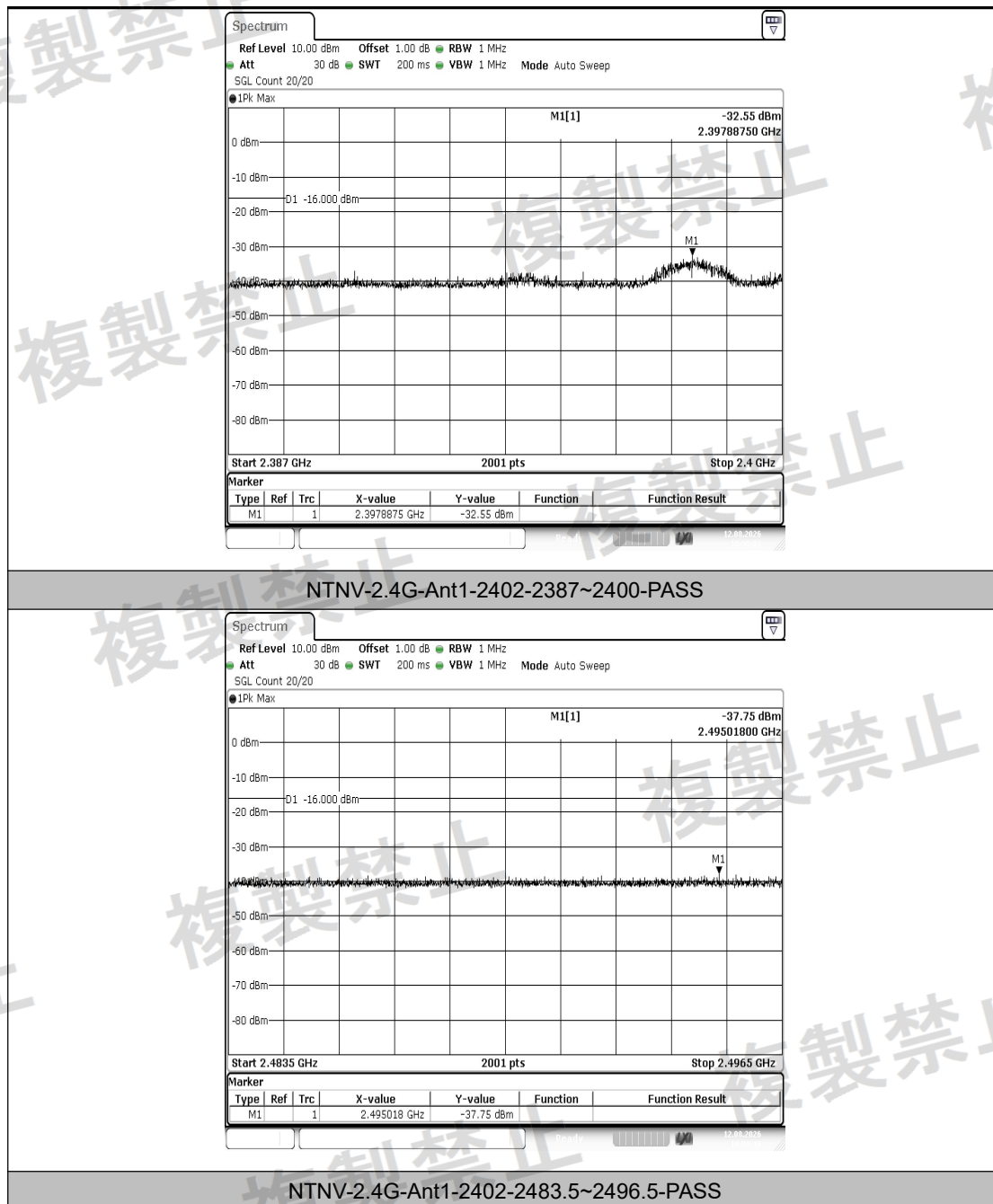


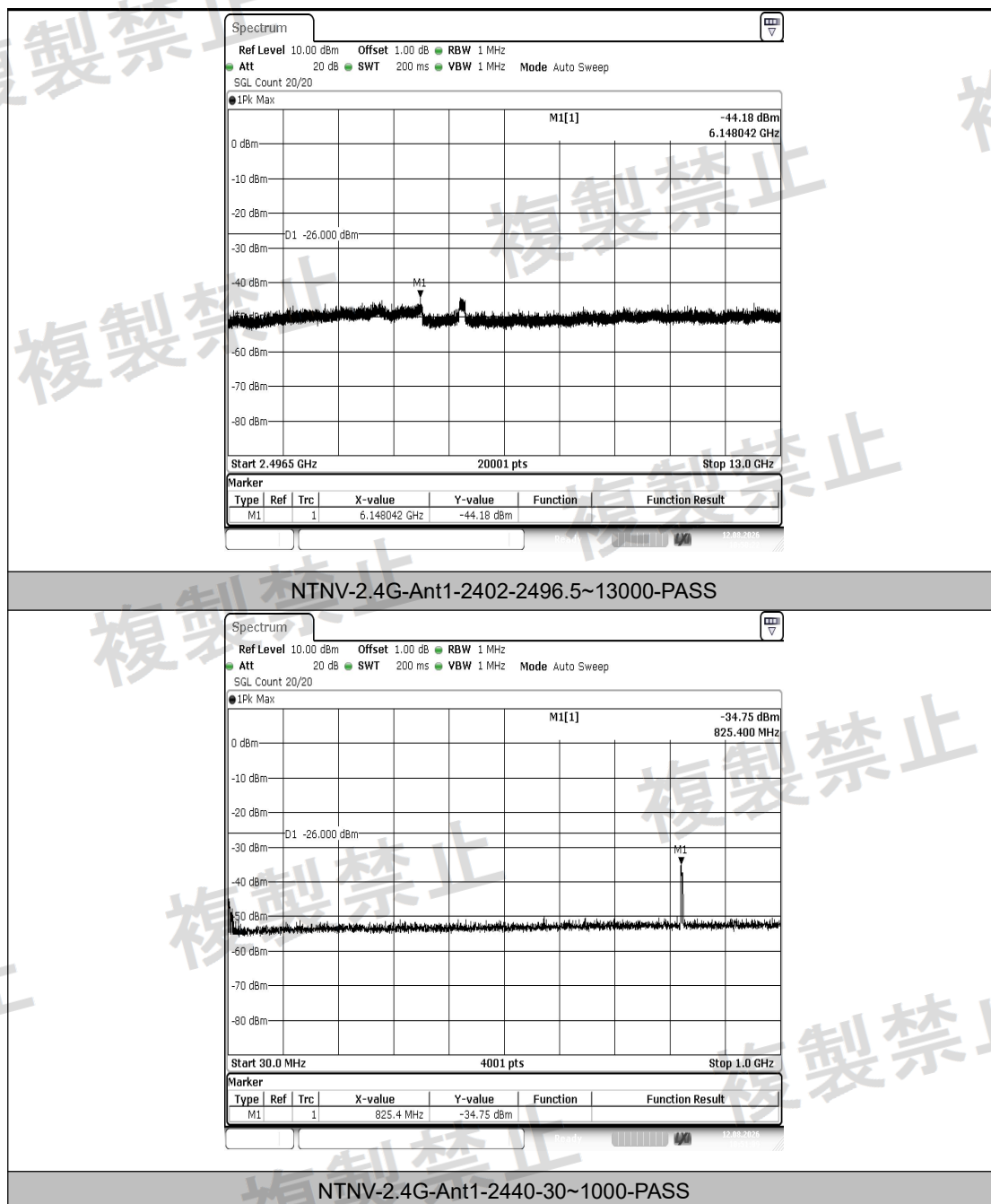
NTNV-2.4G-Ant1-2402-30~1000-PASS

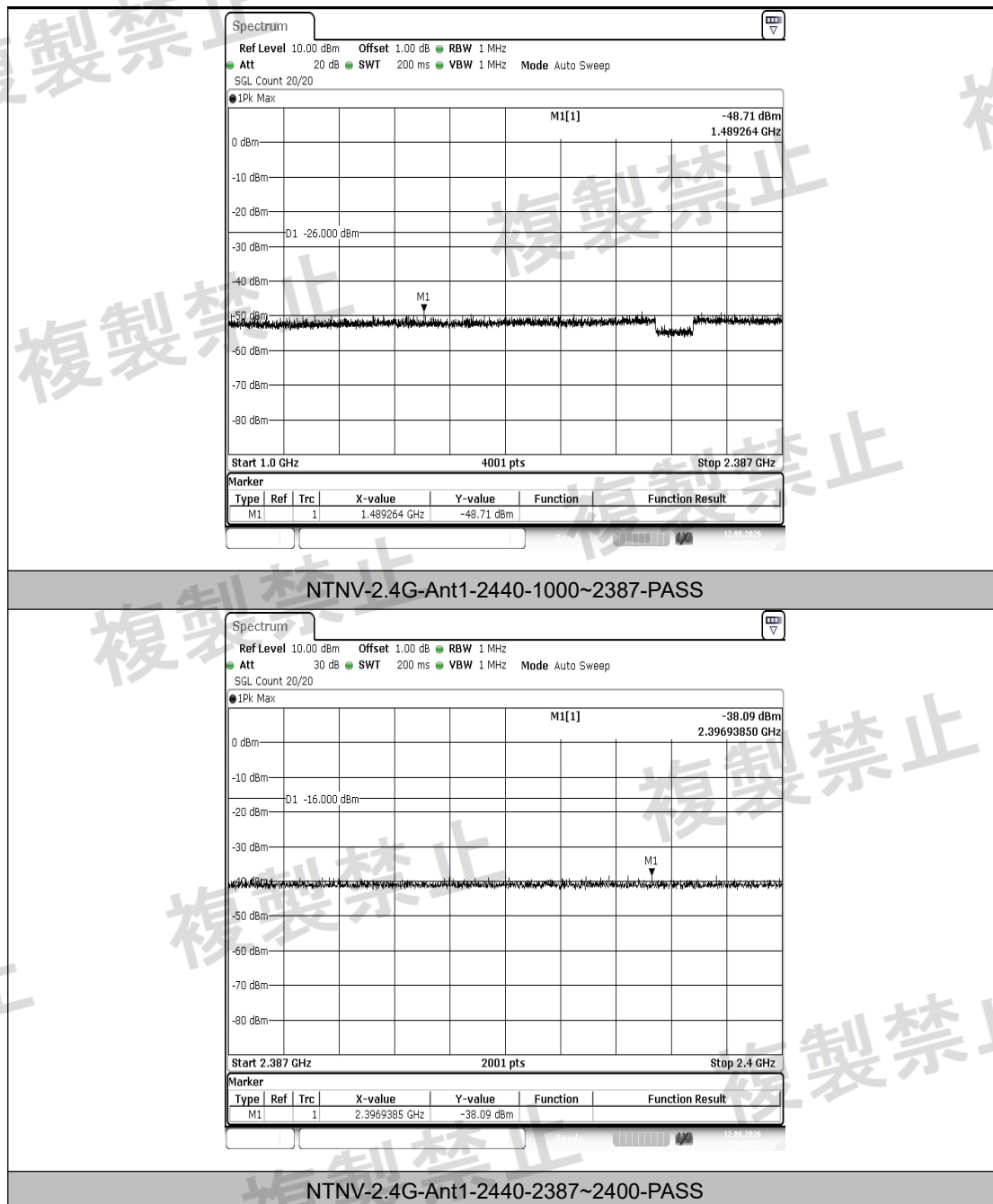


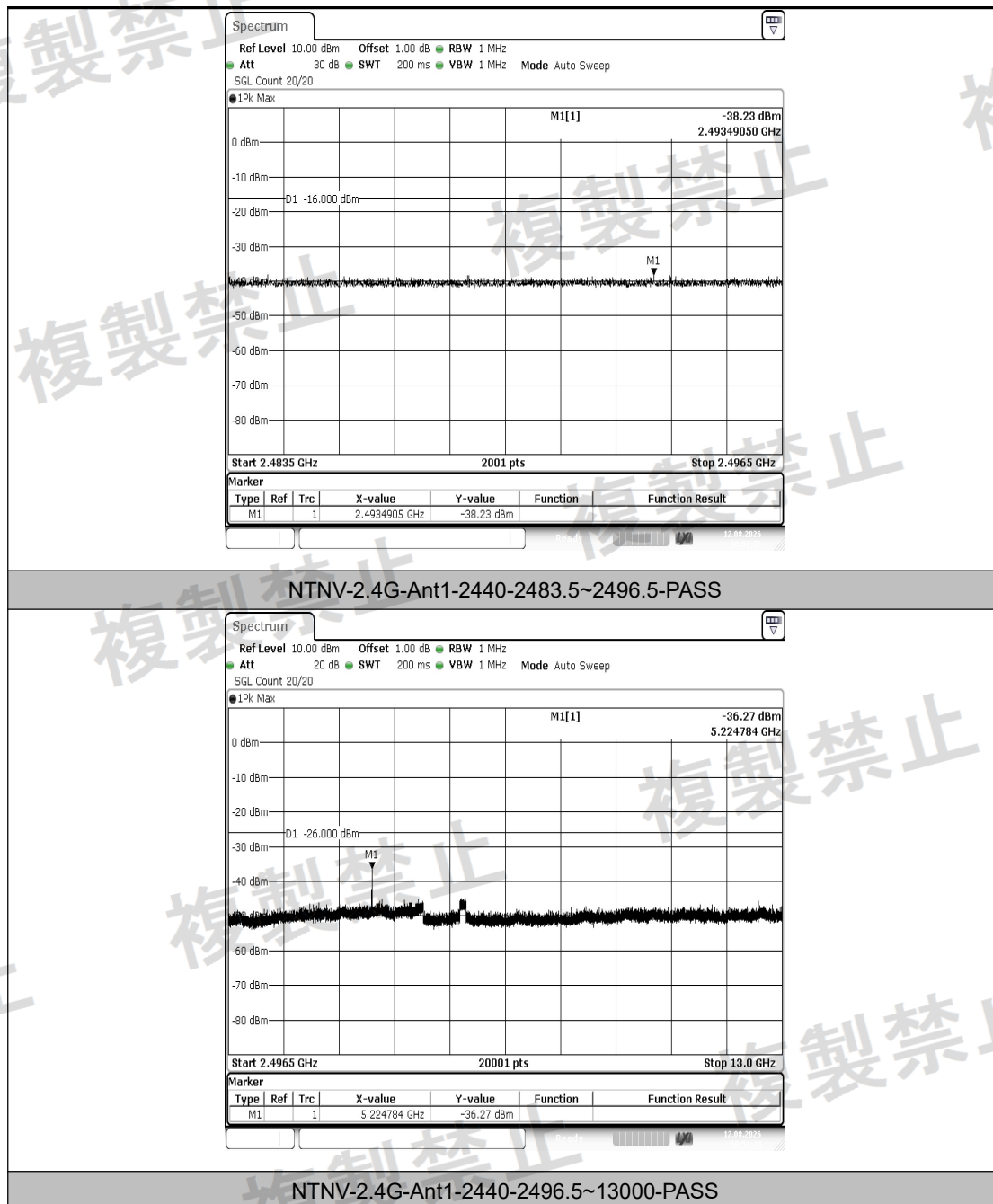
NTNV-2.4G-Ant1-2402-1000~2387-PASS

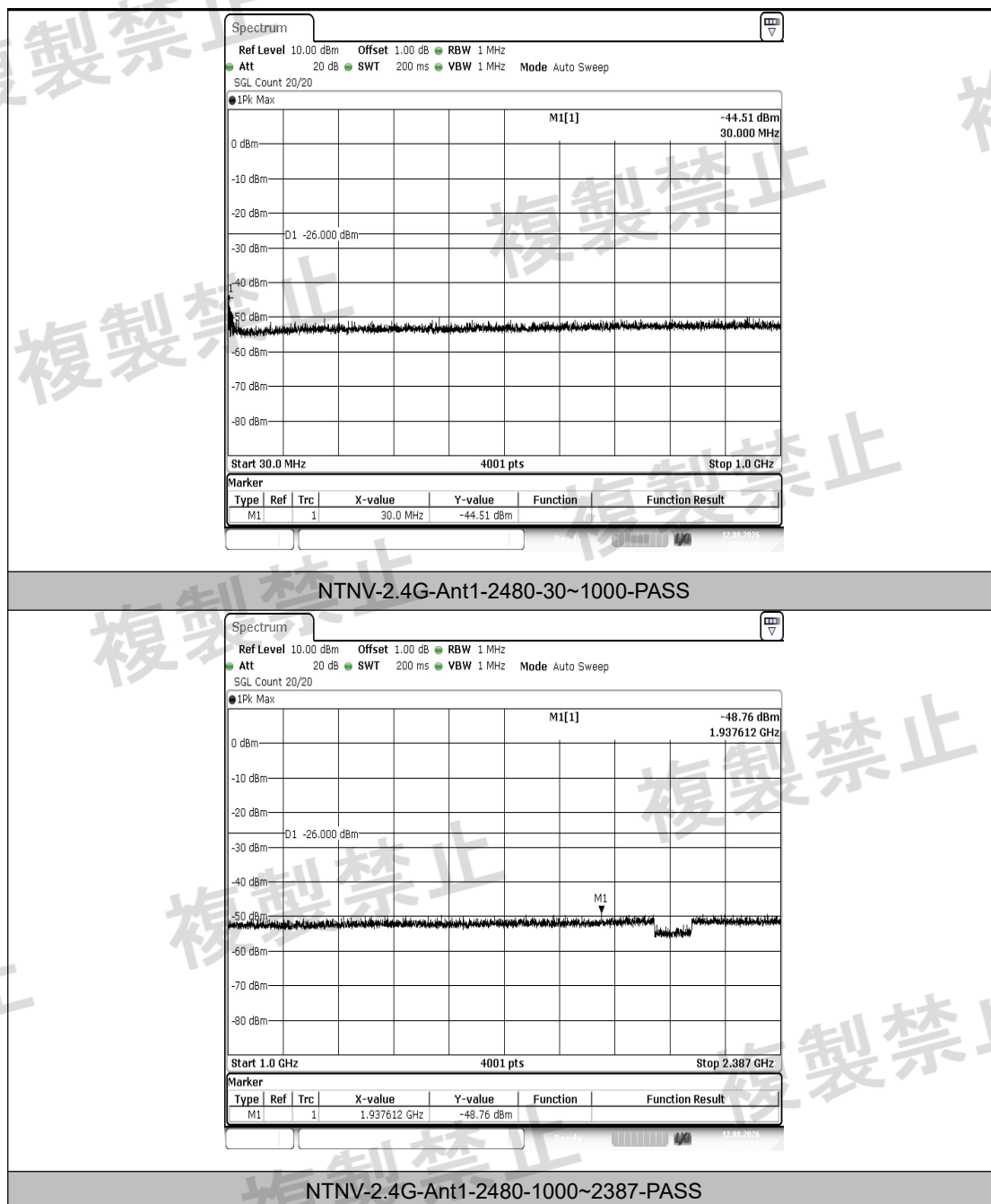


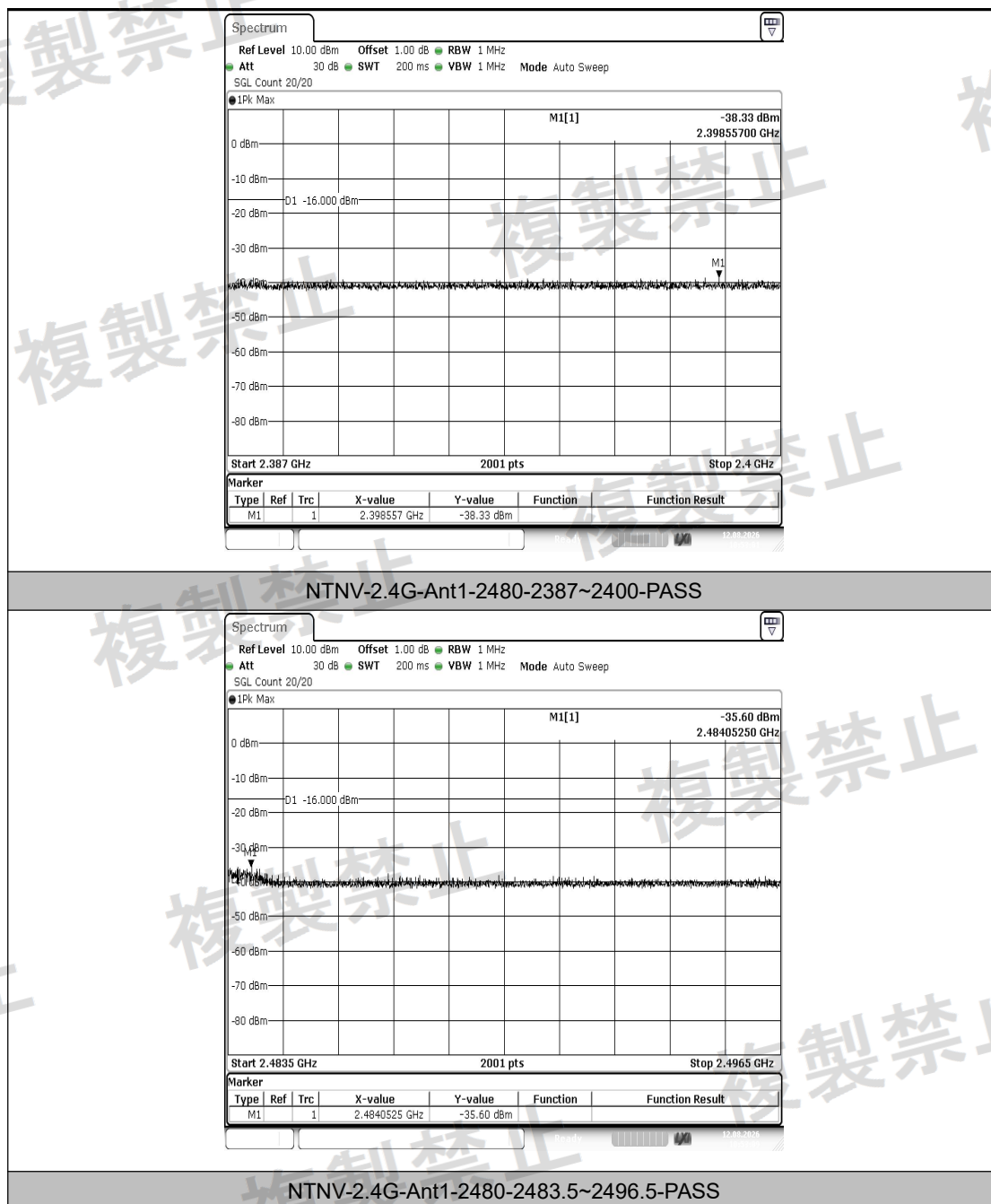


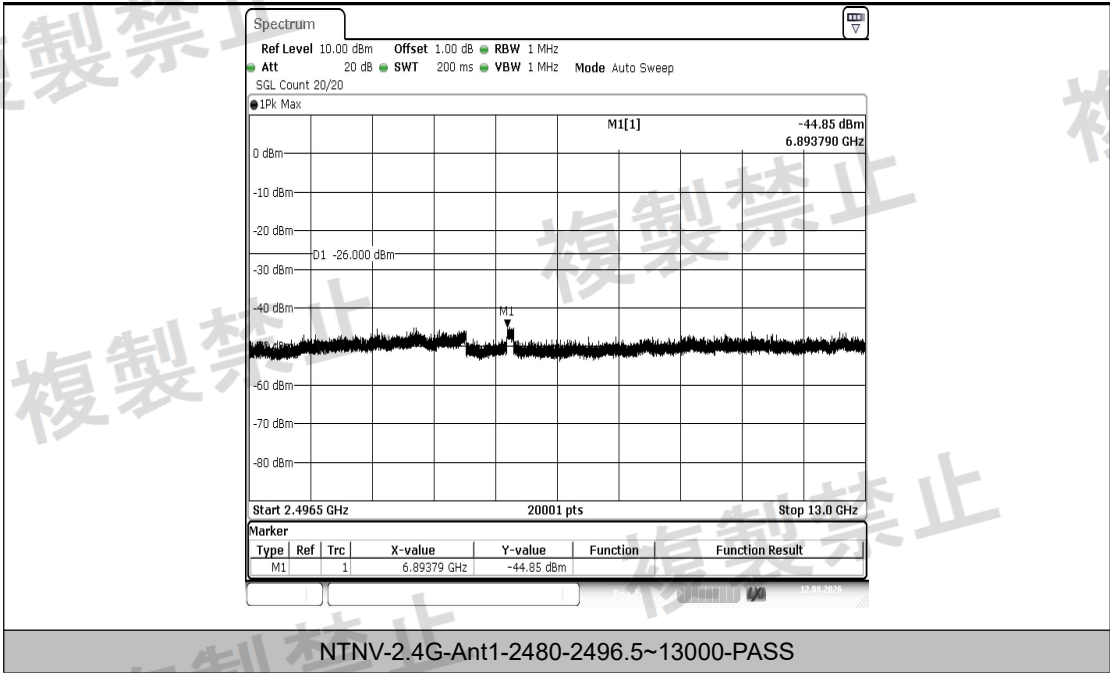












Test Graphs_Step2



Appendix F: Spurious Emission of RX

Test Result

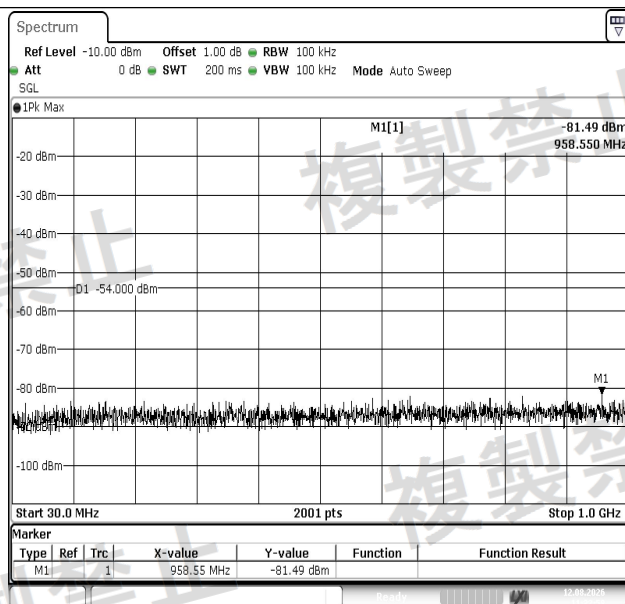
Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	2.4G	Ant1	2402	30~1000	958.55	-81.49	≤-54	0.00710	≤4	PASS
NTNV	2.4G	Ant1	2402	1000~12500	6976.54	-65.68	≤-47	0.27040	≤20	PASS
NTNV	2.4G	Ant1	2440	30~1000	943.04	-82.35	≤-54	0.00582	≤4	PASS
NTNV	2.4G	Ant1	2440	1000~12500	6933.99	-64.97	≤-47	0.31842	≤20	PASS
NTNV	2.4G	Ant1	2480	30~1000	827.67	-82.45	≤-54	0.00569	≤4	PASS
NTNV	2.4G	Ant1	2480	1000~12500	6938.02	-66.04	≤-47	0.24889	≤20	PASS

Test Result_Step2

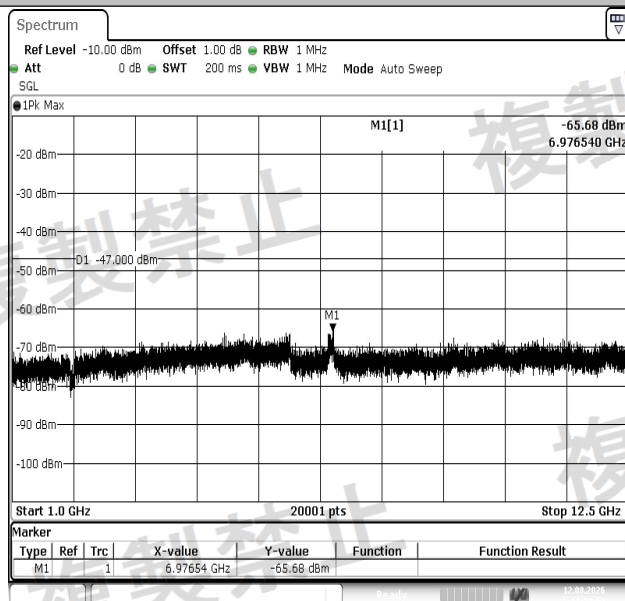
Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
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Test Graphs

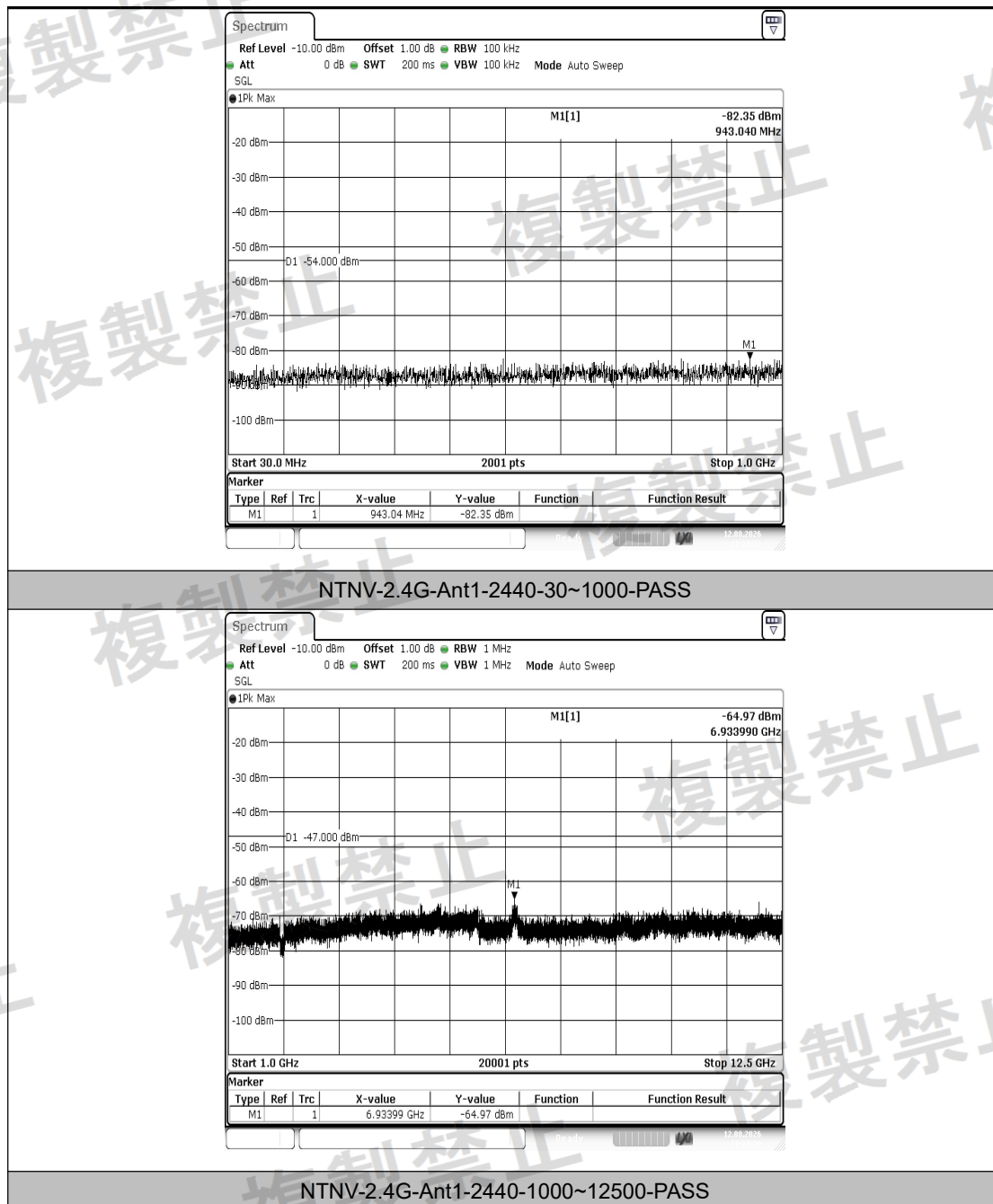


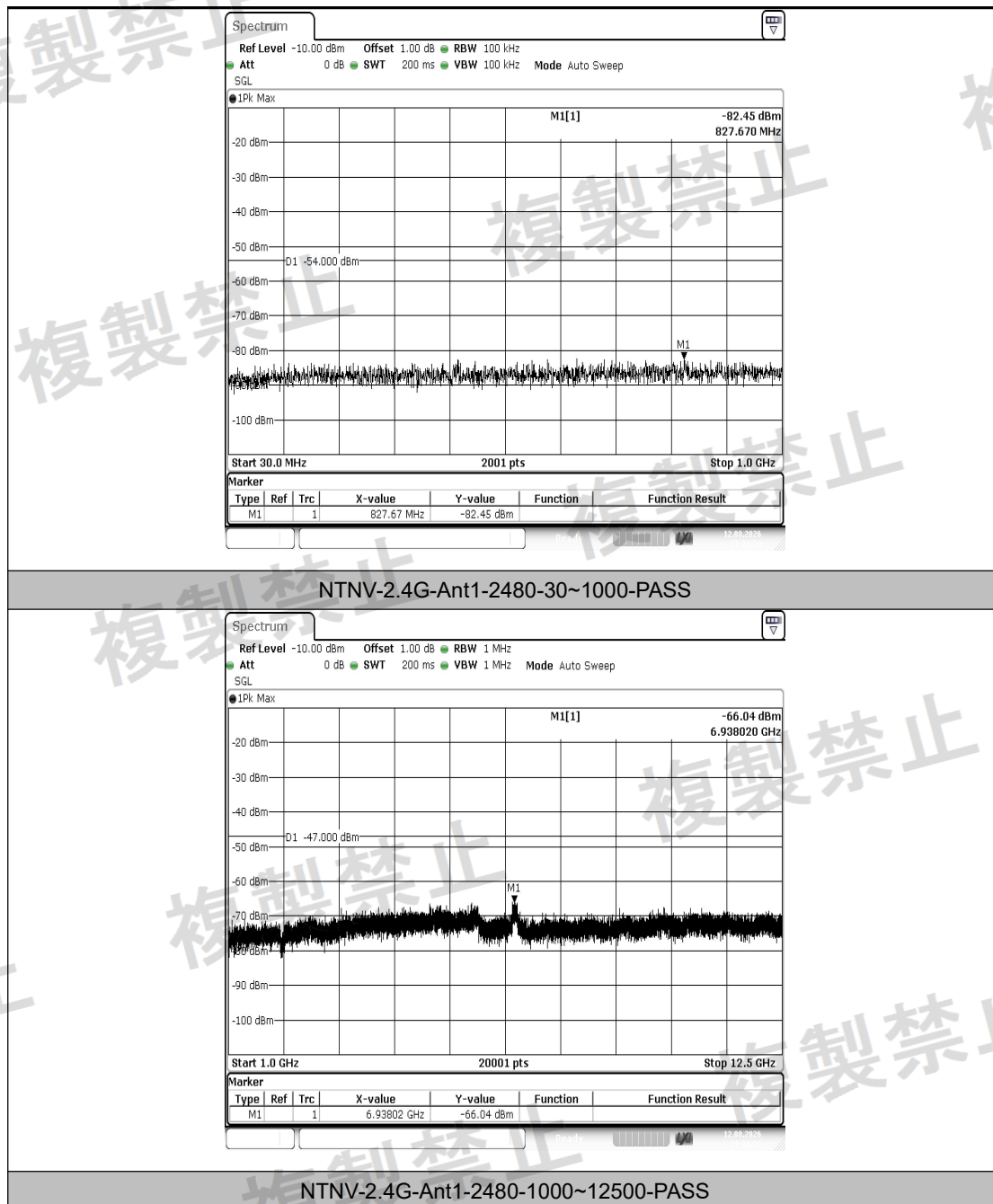
NTNV-2.4G-Ant1-2402-30~1000-PASS



NTNV-2.4G-Ant1-2402-1000~12500-PASS







Test Graphs_Step2



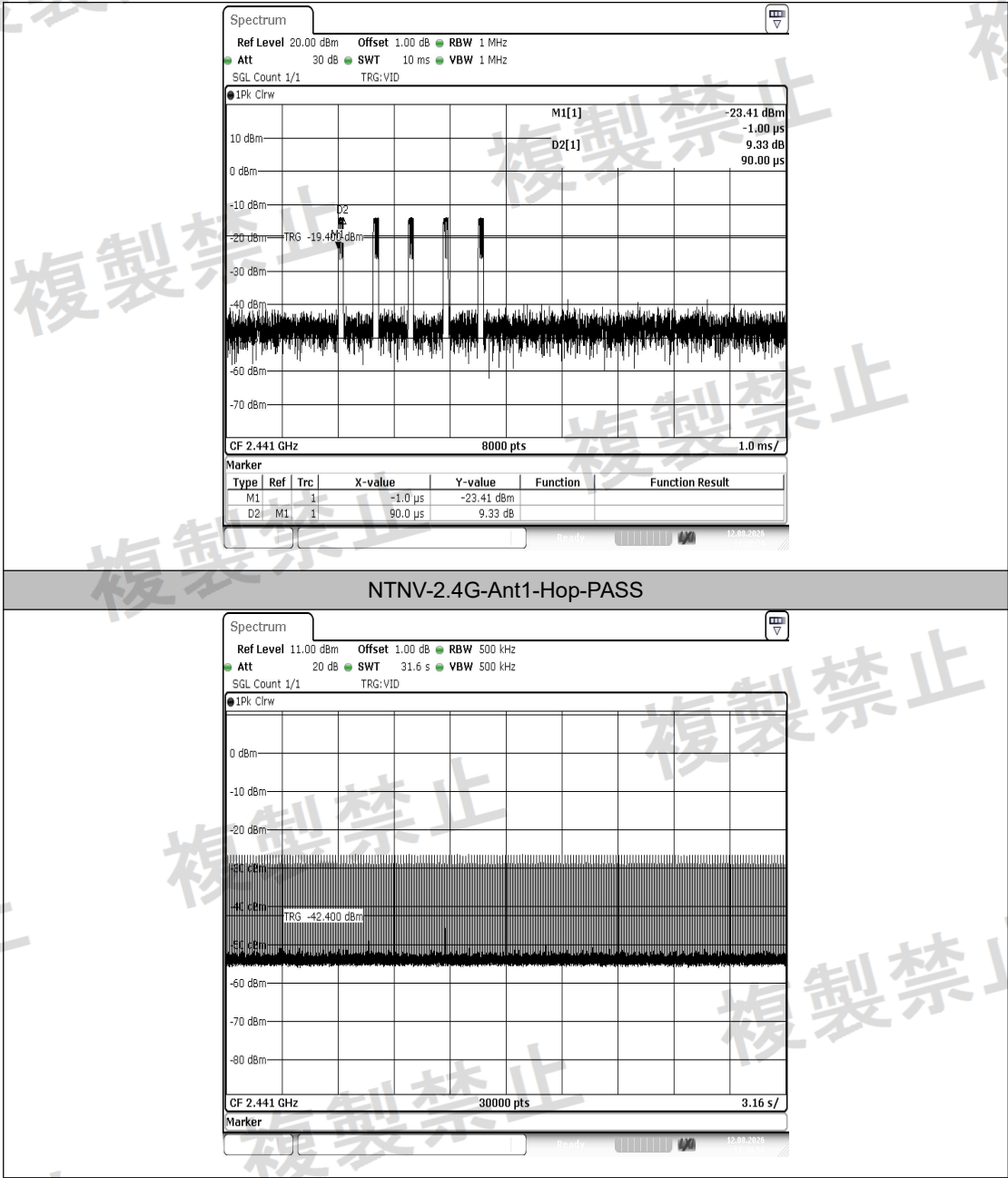
Appendix G: Dwell Time

Test Result

Test Condition	Test Mode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit [s]	Verdict
NTNV	2.4G	Ant1	Hop	0.09	189	0.017	≤0.4	PASS



Test Graphs



---End---

