

Appendix Test Data

Report No.:	1812C60330212501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-6-24	Finish Test Date:	2026-6-30
Test Engineer:	Tracy Liang	Auditor:	Justin Feng
Temperature:	26.3℃	Relative Humidity:	52%
Pressure:	101kPa		

Appendix A: Frequency_Error

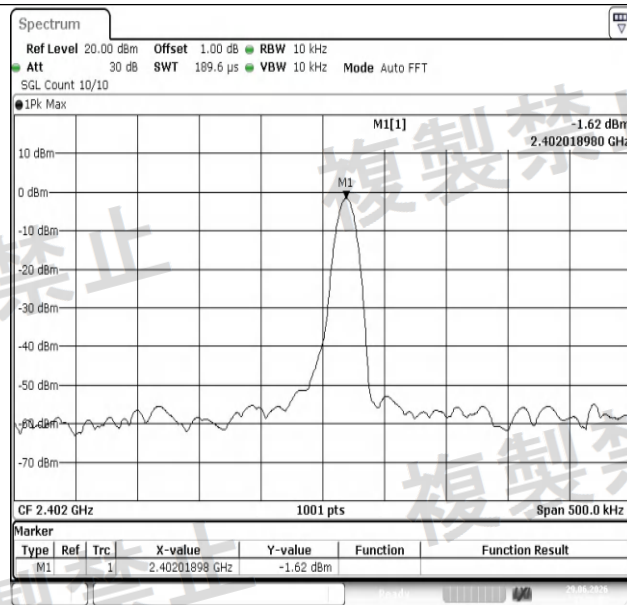
Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	Center Freq. [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	CW	Ant2	2402	2402.01898	7.90175	±50	PASS
NTNV	CW	Ant2	2441	2441.01898	7.77550	±50	PASS
NTNV	CW	Ant2	2480	2480.01898	7.65323	±50	PASS

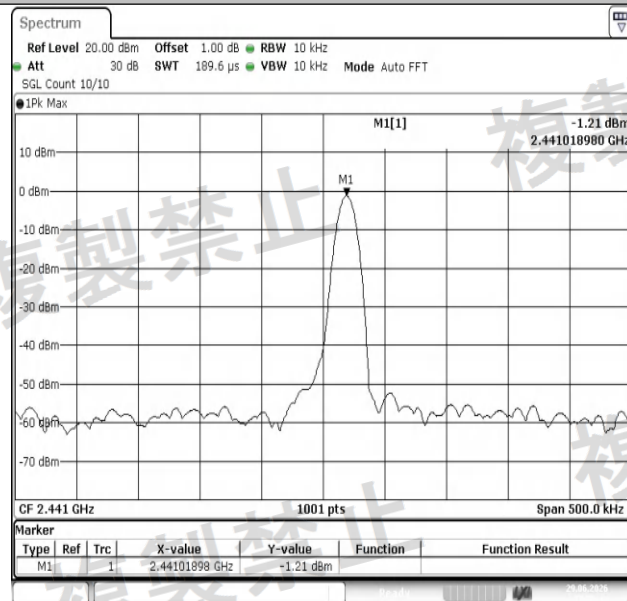
Note: Result[ppm]= (Center Freq.[MHz] - Frequency[MHz])/ Frequency[MHz]*1000000



Test Graphs

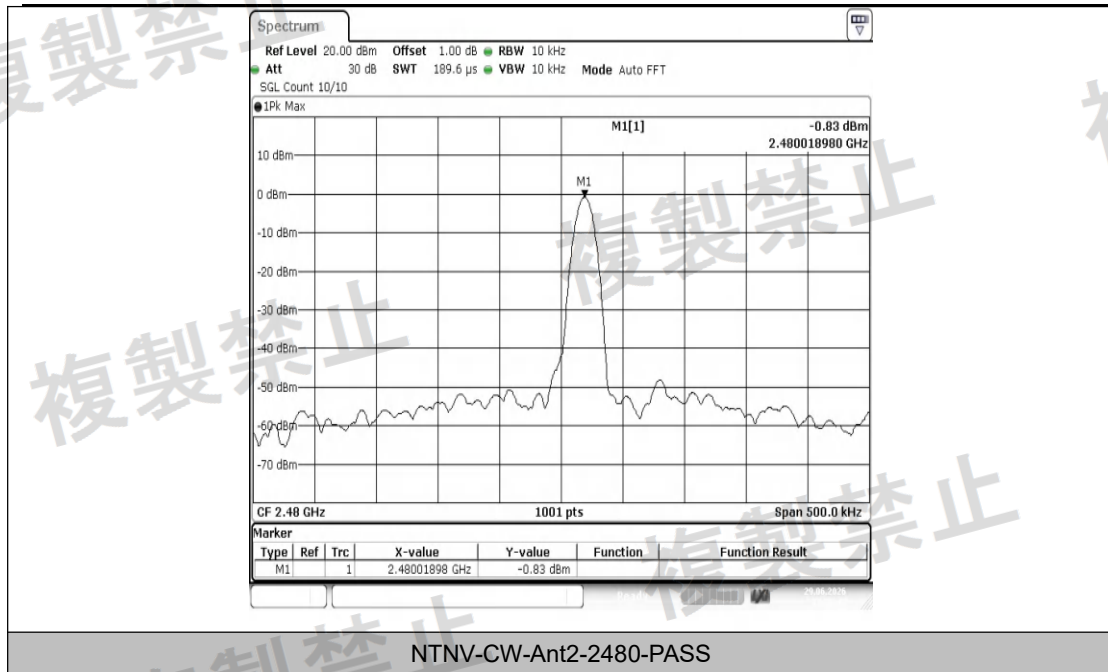


NTNV-CW-Ant2-2402-PASS



NTNV-CW-Ant2-2441-PASS





Appendix B: Antenna Power

Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	Result [dBm]	Duty Cycle Factor [dB]	Total power [dBm]	Result (mW)	Spread Band width (MHz)	Result [mW/MHz]	Limit [mW/MHz]	Verdict
NTNV	DH5	Ant2	Hop	-2.66	1.12	-1.54	0.701	71.728	0.0097	≤3	PASS
NTNV	2DH5	Ant2	Hop	0.01	1.13	1.14	1.300	71.728	0.0181	≤3	PASS
NTNV	3DH5	Ant2	Hop	-3.27	1.12	-2.15	0.610	71.928	0.0084	≤3	PASS

Note:

 $\text{Result [dBm]} = \text{Average power [dBm]} + \text{Duty Cycle Factor [dB]}$ $\text{Result [mW]} = 10^{(\text{Test Result [dBm]}/10)}$

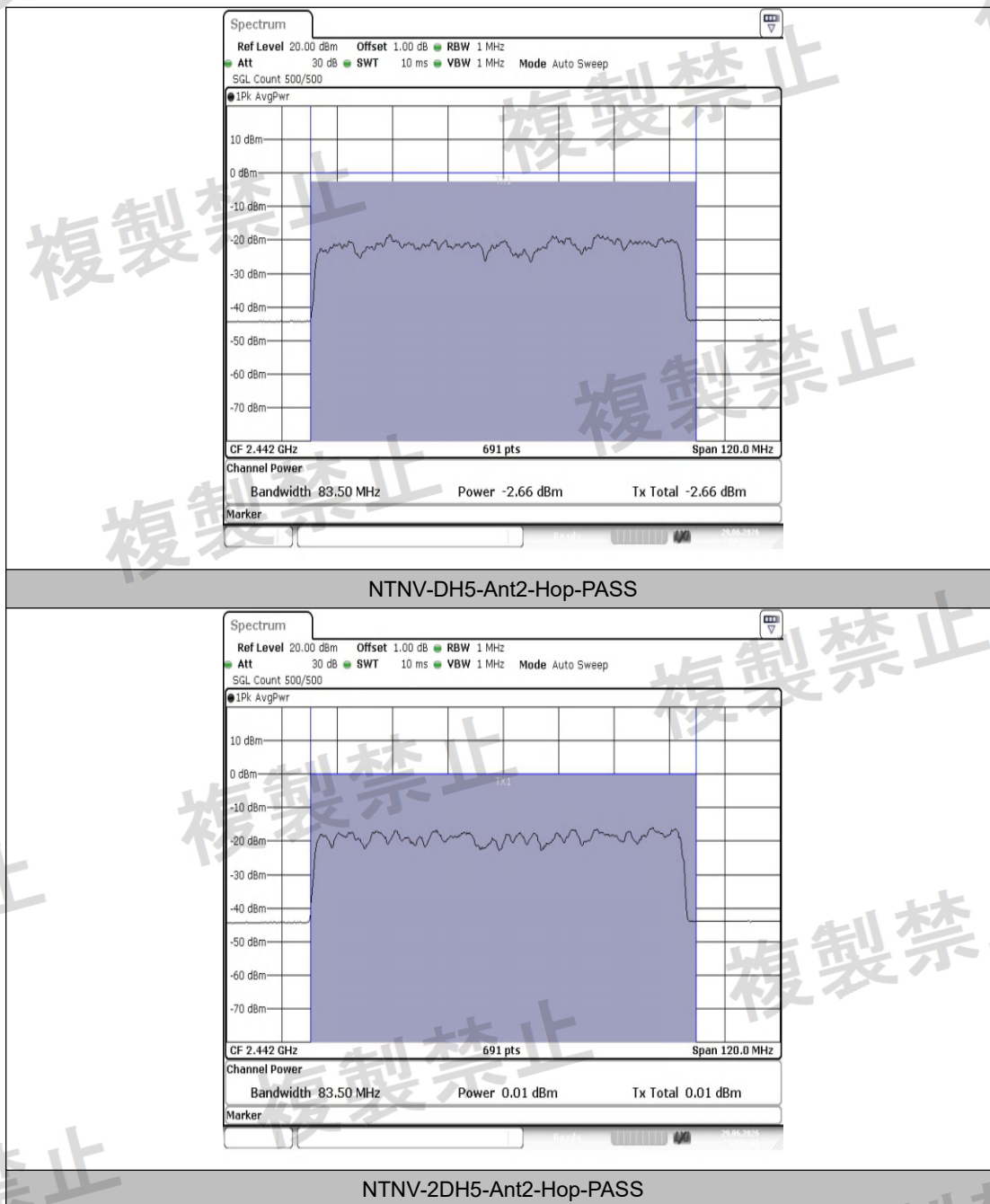
Test Condition	Test Mode	Antenna	Frequency [MHz]	Power [mW/MHz]	Rated Power [mW/MHz]	Result [%]	Limit [%]	Verdict
NTNV	DH5	Ant2	Hop	0.0097	0.05	-80.60	+20	PASS
NTNV	2DH5	Ant2	Hop	0.0181	0.05	-63.80	+20	PASS
NTNV	3DH5	Ant2	Hop	0.0084	0.05	-83.20	+20	PASS

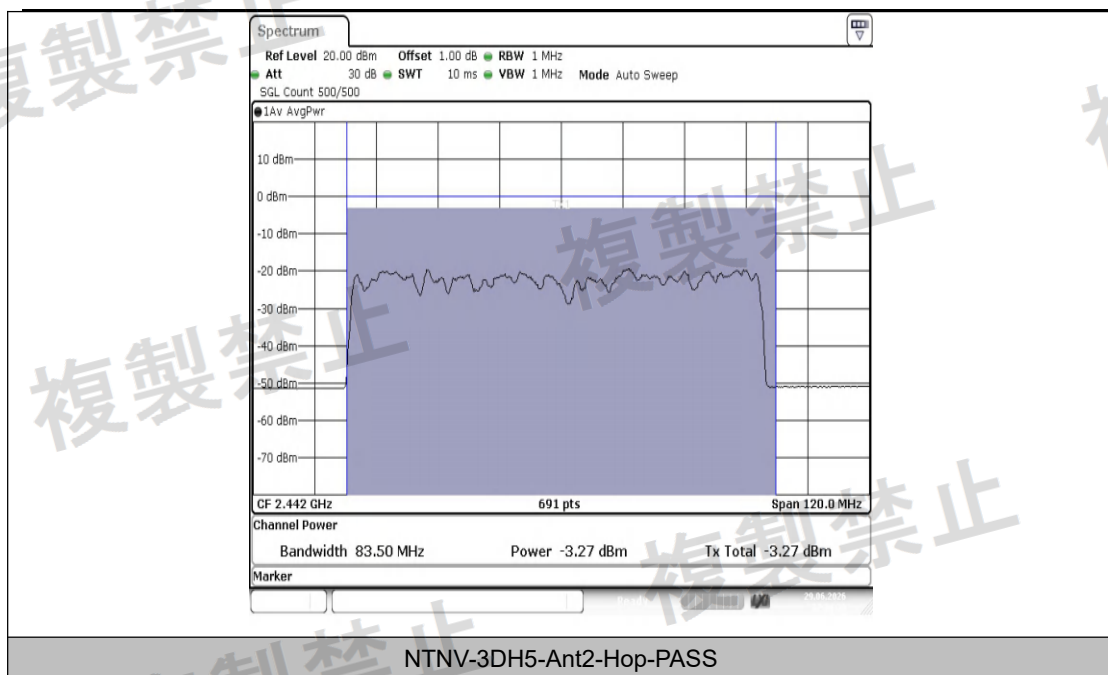
Test Condition	Test Mode	Antenna	Frequency [MHz]	Result [dBm/MHz]	Gain [dBi]	EIRP (dBm/MHz)	Limit (dBm/MHz)	Verdict
NTNV	DH5	Ant2	Hop	-20.13	3.89	-16.24	≤6.91	PASS
NTNV	2DH5	Ant2	Hop	-17.42	3.89	-13.53	≤6.91	PASS
NTNV	3DH5	Ant2	Hop	-20.76	3.89	-16.87	≤6.91	PASS

Note:

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

Test Graphs



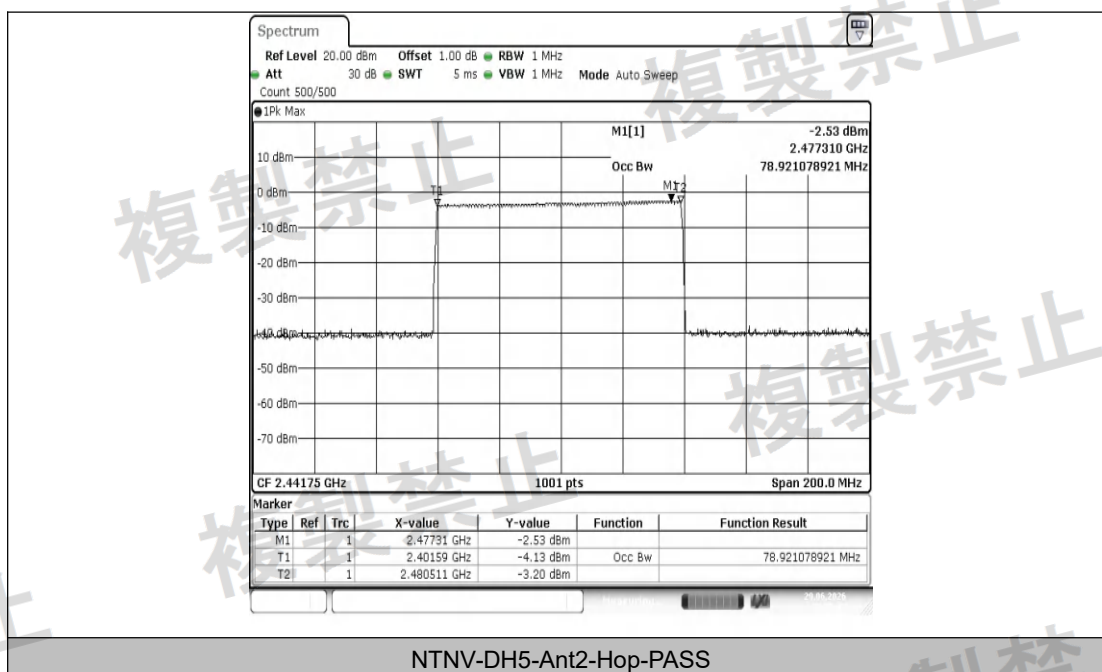


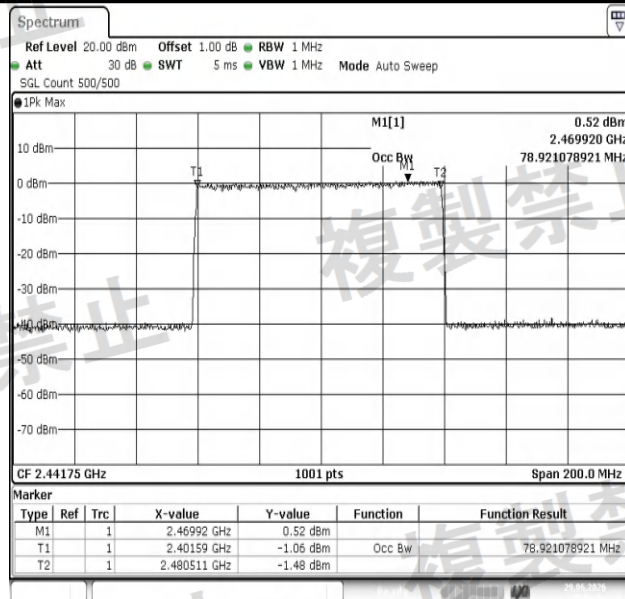
Appendix C: Occupied Bandwidth

Test Result

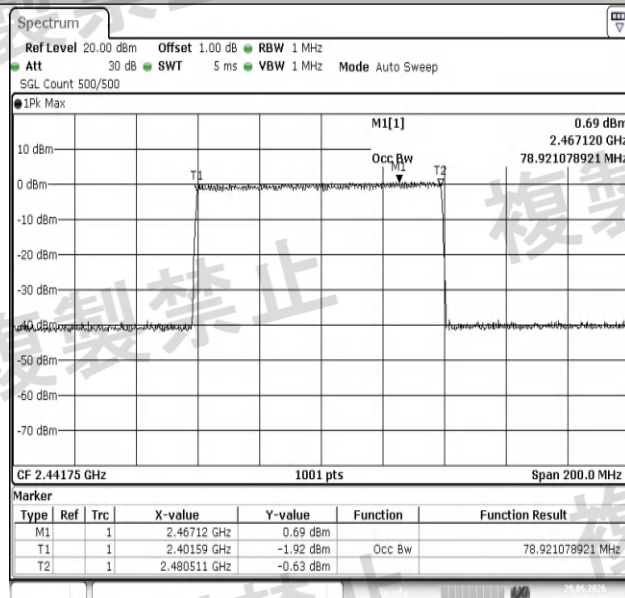
Test Condition	Test Mode	Antenna	Frequency[MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	DH5	Ant2	Hop	78.921	≤83.5	PASS
NTNV	2DH5	Ant2	Hop	78.921	≤83.5	PASS
NTNV	3DH5	Ant2	Hop	78.921	≤83.5	PASS

Test Graphs





NTNV-2DH5-Ant2-Hop-PASS



NTNV-3DH5-Ant2-Hop-PASS

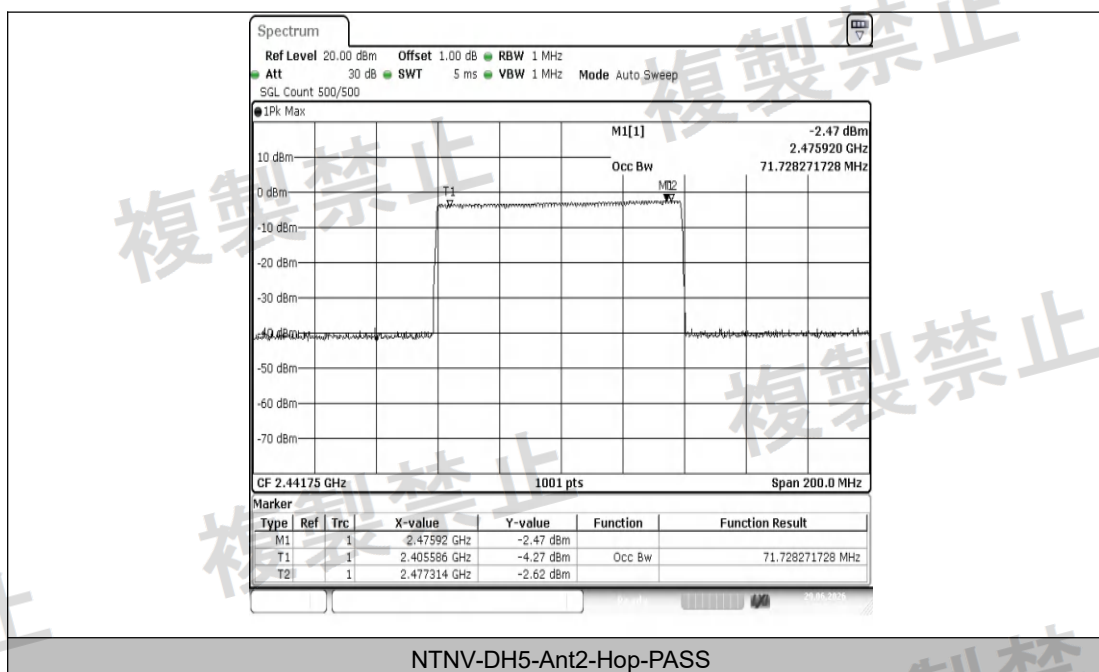


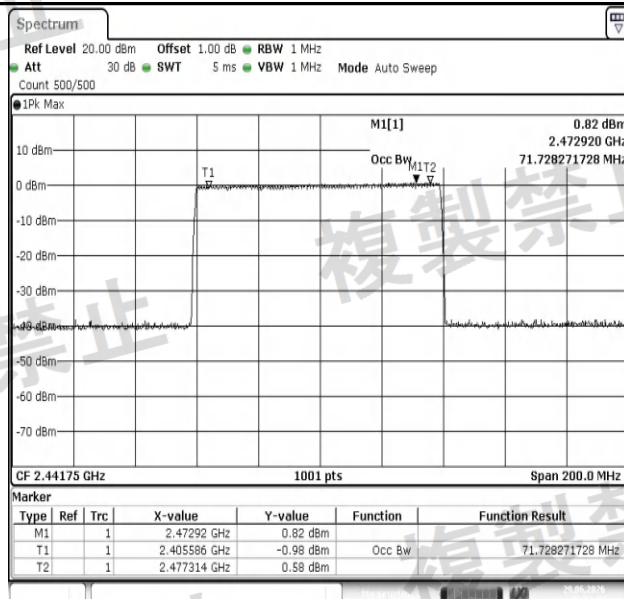
Appendix D: Spread Bandwidth

Test Result

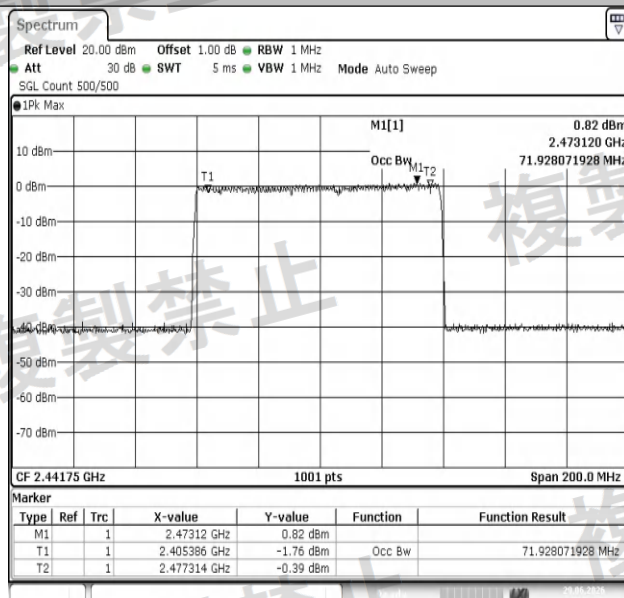
Test Condition	Test Mode	Antenna	Frequency[MHz]	Result [MHz]
NTNV	DH5	Ant2	Hop	71.728
NTNV	2DH5	Ant2	Hop	71.728
NTNV	3DH5	Ant2	Hop	71.928

Test Graphs





NTNV-2DH5-Ant2-Hop-PASS



NTNV-3DH5-Ant2-Hop-PASS



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 [μW/MHz]	Limit [μW/MHz]	Verdict
NTNV	DH5	Ant2	2402	30~1000	930.16	-50.24	≤-26	0.00946	≤2.5	PASS
NTNV	DH5	Ant2	2402	1000~2387	2346.78	-48.98	≤-26	0.01265	≤2.5	PASS
NTNV	DH5	Ant2	2402	2387~2400	2389.36	-37.91	≤-16	0.16181	≤25	PASS
NTNV	DH5	Ant2	2402	2483.5~2496.5	2489.67	-37.85	≤-16	0.16406	≤25	PASS
NTNV	DH5	Ant2	2402	2496.5~13000	6935.80	-44.36	≤-26	0.03664	≤2.5	PASS
NTNV	DH5	Ant2	2441	30~1000	877.05	-49.74	≤-26	0.01062	≤2.5	PASS
NTNV	DH5	Ant2	2441	1000~2387	2218.48	-48.92	≤-26	0.01282	≤2.5	PASS
NTNV	DH5	Ant2	2441	2387~2400	2393.12	-38.53	≤-16	0.14028	≤25	PASS
NTNV	DH5	Ant2	2441	2483.5~2496.5	2484.27	-38.25	≤-16	0.14962	≤25	PASS
NTNV	DH5	Ant2	2441	2496.5~13000	6900.09	-43.67	≤-26	0.04295	≤2.5	PASS
NTNV	DH5	Ant2	2480	30~1000	817.40	-49.83	≤-26	0.01040	≤2.5	PASS
NTNV	DH5	Ant2	2480	1000~2387	2260.44	-48.83	≤-26	0.01309	≤2.5	PASS
NTNV	DH5	Ant2	2480	2387~2400	2396.80	-38.52	≤-16	0.14060	≤25	PASS
NTNV	DH5	Ant2	2480	2483.5~2496.5	2486.09	-38.12	≤-16	0.15417	≤25	PASS
NTNV	DH5	Ant2	2480	2496.5~13000	5806.15	-43.41	≤-26	0.04560	≤2.5	PASS
NTNV	2DH5	Ant2	2402	30~1000	838.74	-49.68	≤-26	0.01076	≤2.5	PASS
NTNV	2DH5	Ant2	2402	1000~2387	1956.68	-49.14	≤-26	0.01219	≤2.5	PASS
NTNV	2DH5	Ant2	2402	2387~2400	2389.77	-38.43	≤-16	0.14355	≤25	PASS
NTNV	2DH5	Ant2	2402	2483.5~2496.5	2489.06	-38.29	≤-16	0.14825	≤25	PASS
NTNV	2DH5	Ant2	2402	2496.5~13000	6948.93	-44.42	≤-26	0.03614	≤2.5	PASS
NTNV	2DH5	Ant2	2441	30~1000	628.98	-50.15	≤-26	0.00966	≤2.5	PASS
NTNV	2DH5	Ant2	2441	1000~2387	1962.23	-48.18	≤-26	0.01521	≤2.5	PASS
NTNV	2DH5	Ant2	2441	2387~2400	2397.58	-38.79	≤-16	0.13213	≤25	PASS
NTNV	2DH5	Ant2	2441	2483.5~2496.5	2491.91	-38.32	≤-16	0.14723	≤25	PASS
NTNV	2DH5	Ant2	2441	2496.5~13000	6951.03	-44.32	≤-26	0.03698	≤2.5	PASS
NTNV	2DH5	Ant2	2480	30~1000	821.28	-50.10	≤-26	0.00977	≤2.5	PASS
NTNV	2DH5	Ant2	2480	1000~2387	2168.89	-48.52	≤-26	0.01406	≤2.5	PASS
NTNV	2DH5	Ant2	2480	2387~2400	2387.08	-38.21	≤-16	0.15101	≤25	PASS
NTNV	2DH5	Ant2	2480	2483.5~2496.5	2487.43	-37.89	≤-16	0.16255	≤25	PASS
NTNV	2DH5	Ant2	2480	2496.5~13000	5806.15	-42.93	≤-26	0.05093	≤2.5	PASS
NTNV	3DH5	Ant2	2402	30~1000	816.67	-50.20	≤-26	0.00955	≤2.5	PASS
NTNV	3DH5	Ant2	2402	1000~2387	1395.30	-49.16	≤-26	0.01213	≤2.5	PASS
NTNV	3DH5	Ant2	2402	2387~2400	2397.56	-38.87	≤-16	0.12972	≤25	PASS
NTNV	3DH5	Ant2	2402	2483.5~2496.5	2495.71	-37.89	≤-16	0.16255	≤25	PASS
NTNV	3DH5	Ant2	2402	2496.5~13000	6915.85	-44.25	≤-26	0.03758	≤2.5	PASS
NTNV	3DH5	Ant2	2441	30~1000	927.25	-50.17	≤-26	0.00962	≤2.5	PASS

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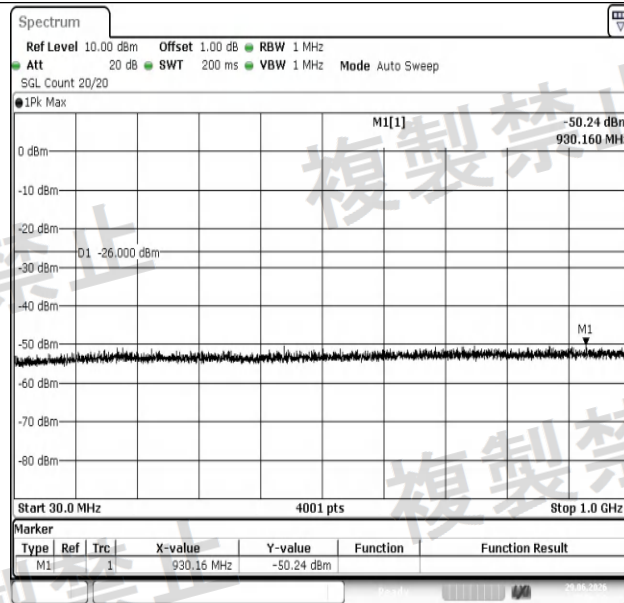
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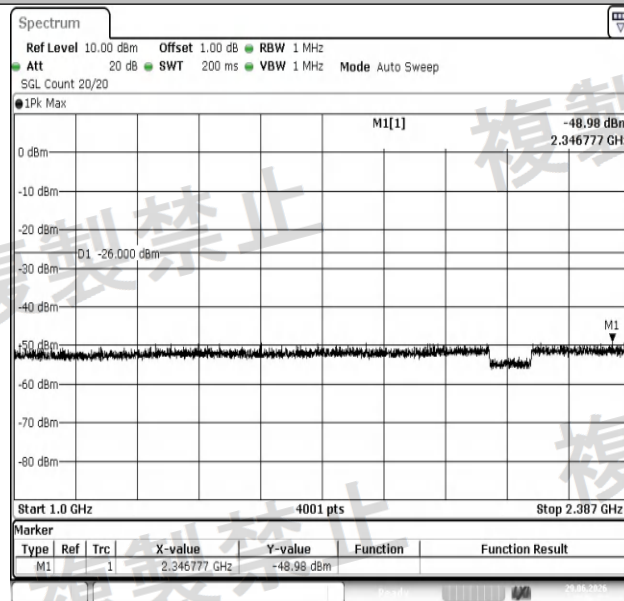
NTNV	3DH5	Ant2	2441	1000~2387	2186.23	-49.16	≤-26	0.01213	≤2.5	PASS
NTNV	3DH5	Ant2	2441	2387~2400	2397.43	-38.28	≤-16	0.14859	≤25	PASS
NTNV	3DH5	Ant2	2441	2483.5~2496.5	2492.16	-38.27	≤-16	0.14894	≤25	PASS
NTNV	3DH5	Ant2	2441	2496.5~13000	6906.92	-44.83	≤-26	0.03289	≤2.5	PASS
NTNV	3DH5	Ant2	2480	30~1000	875.84	-49.61	≤-26	0.01094	≤2.5	PASS
NTNV	3DH5	Ant2	2480	1000~2387	2191.09	-48.93	≤-26	0.01279	≤2.5	PASS
NTNV	3DH5	Ant2	2480	2387~2400	2396.79	-38.41	≤-16	0.14421	≤25	PASS
NTNV	3DH5	Ant2	2480	2483.5~2496.5	2493.98	-37.63	≤-16	0.17258	≤25	PASS
NTNV	3DH5	Ant2	2480	2496.5~13000	6990.95	-44.69	≤-26	0.03396	≤2.5	PASS



Test Graphs

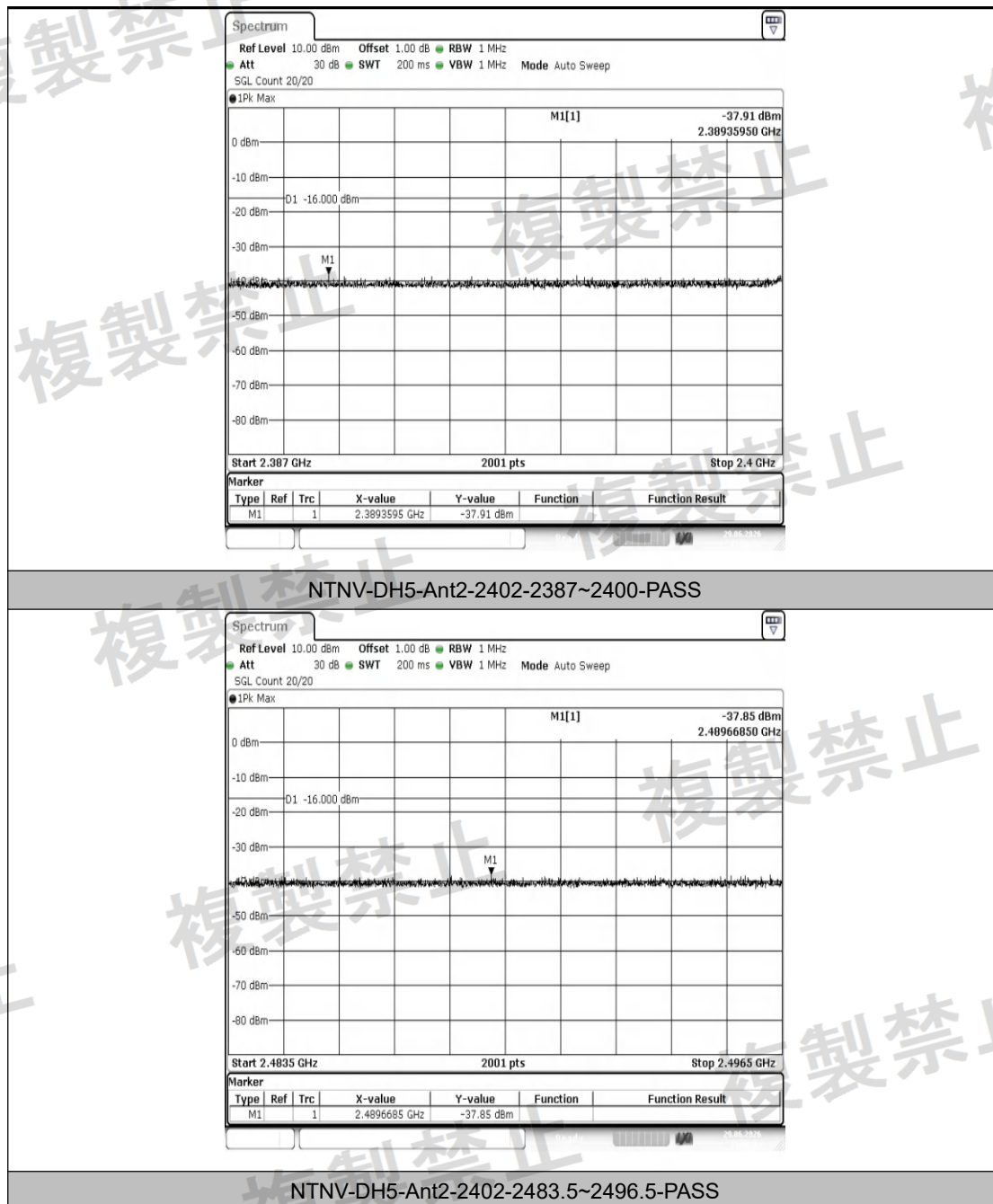


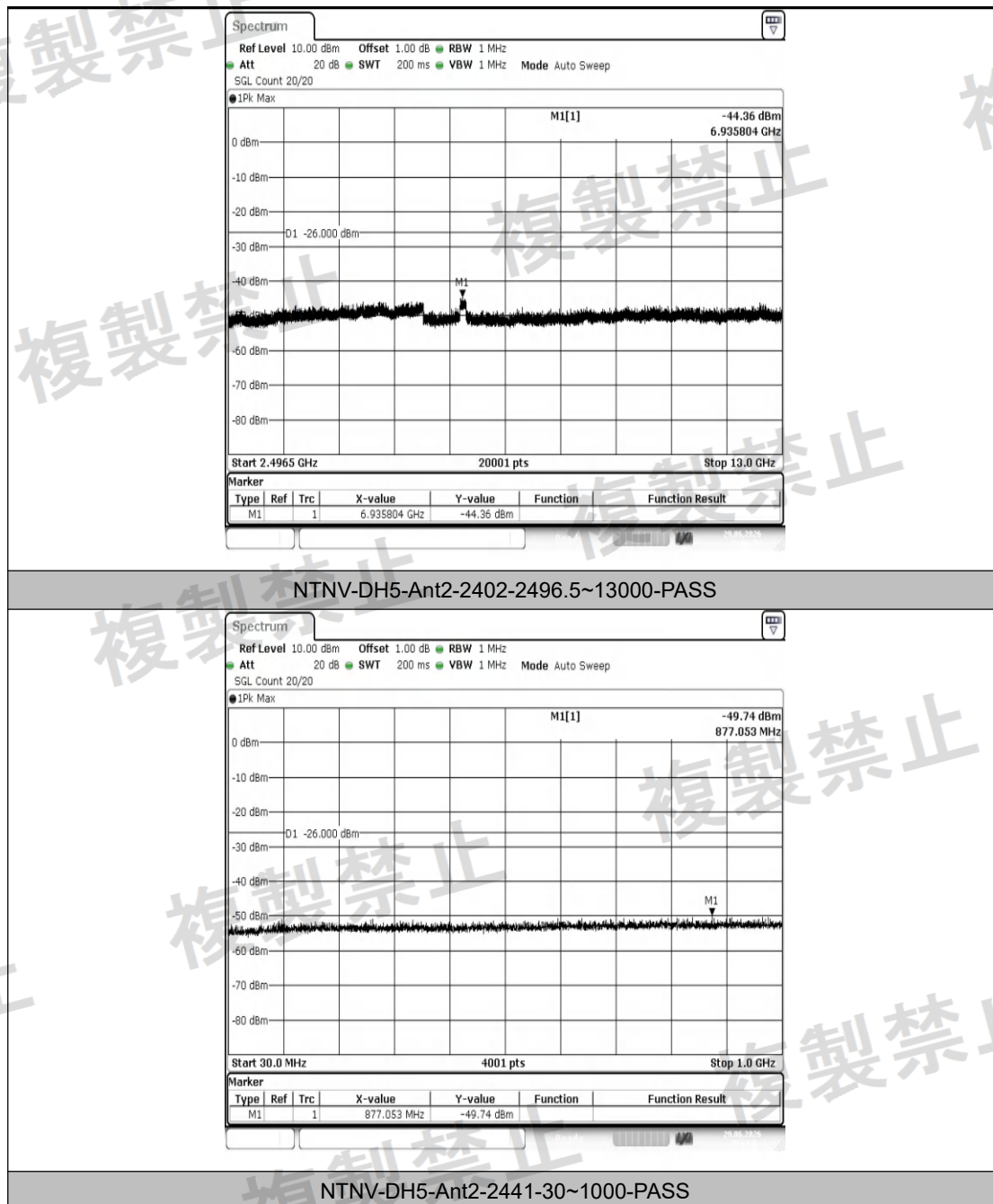
NTNV-DH5-Ant2-2402-30~1000-PASS

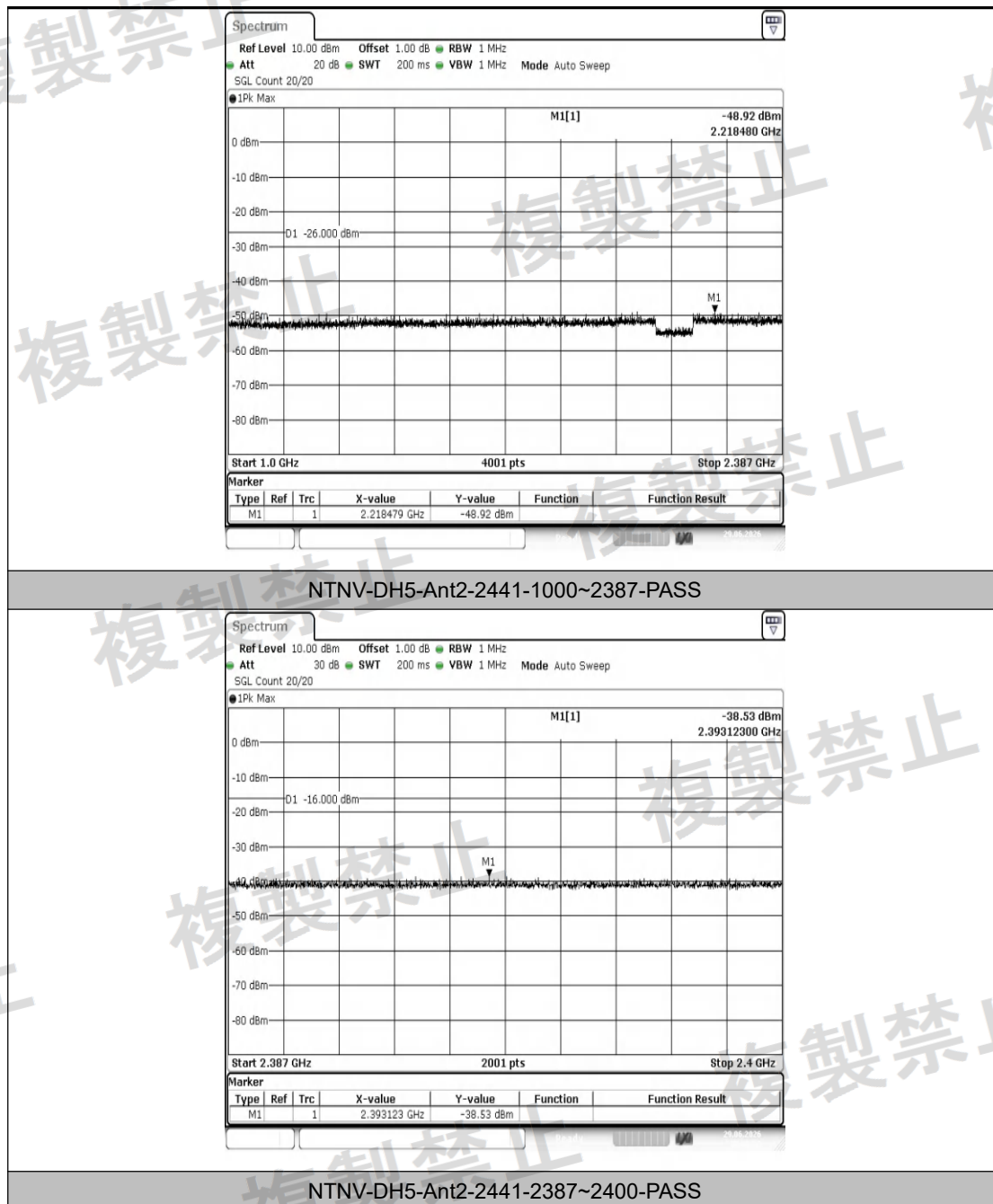


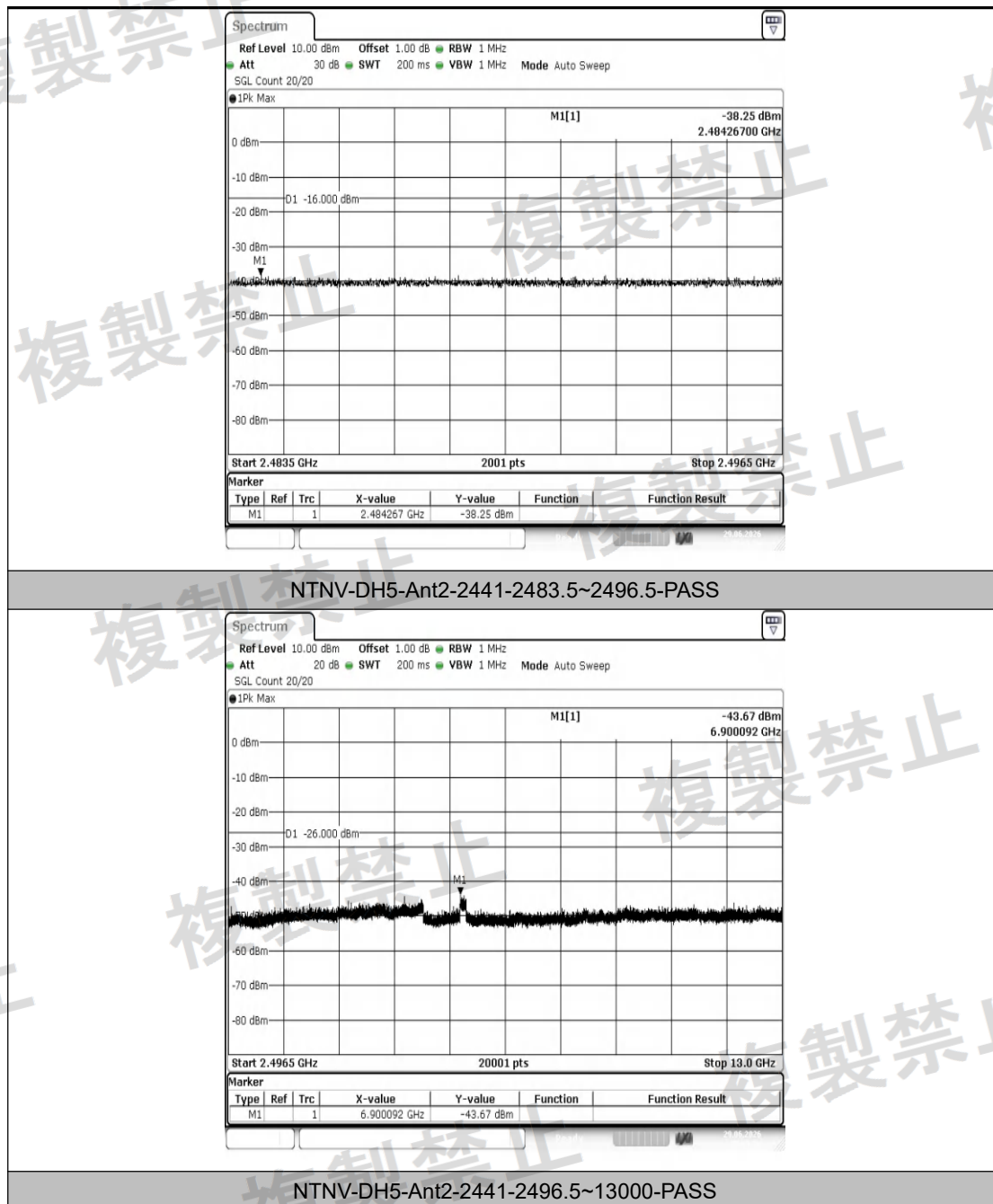
NTNV-DH5-Ant2-2402-1000~2387-PASS

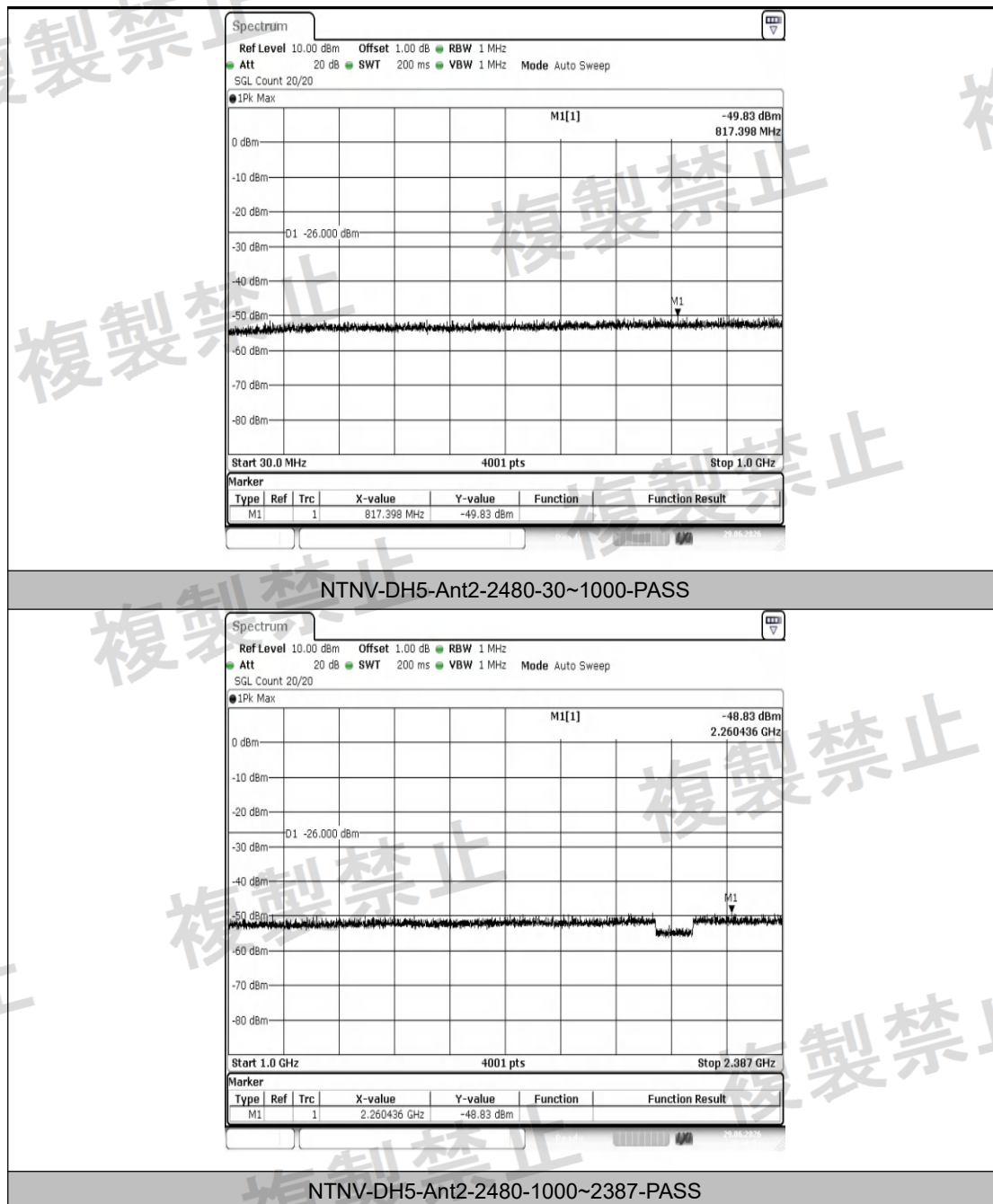


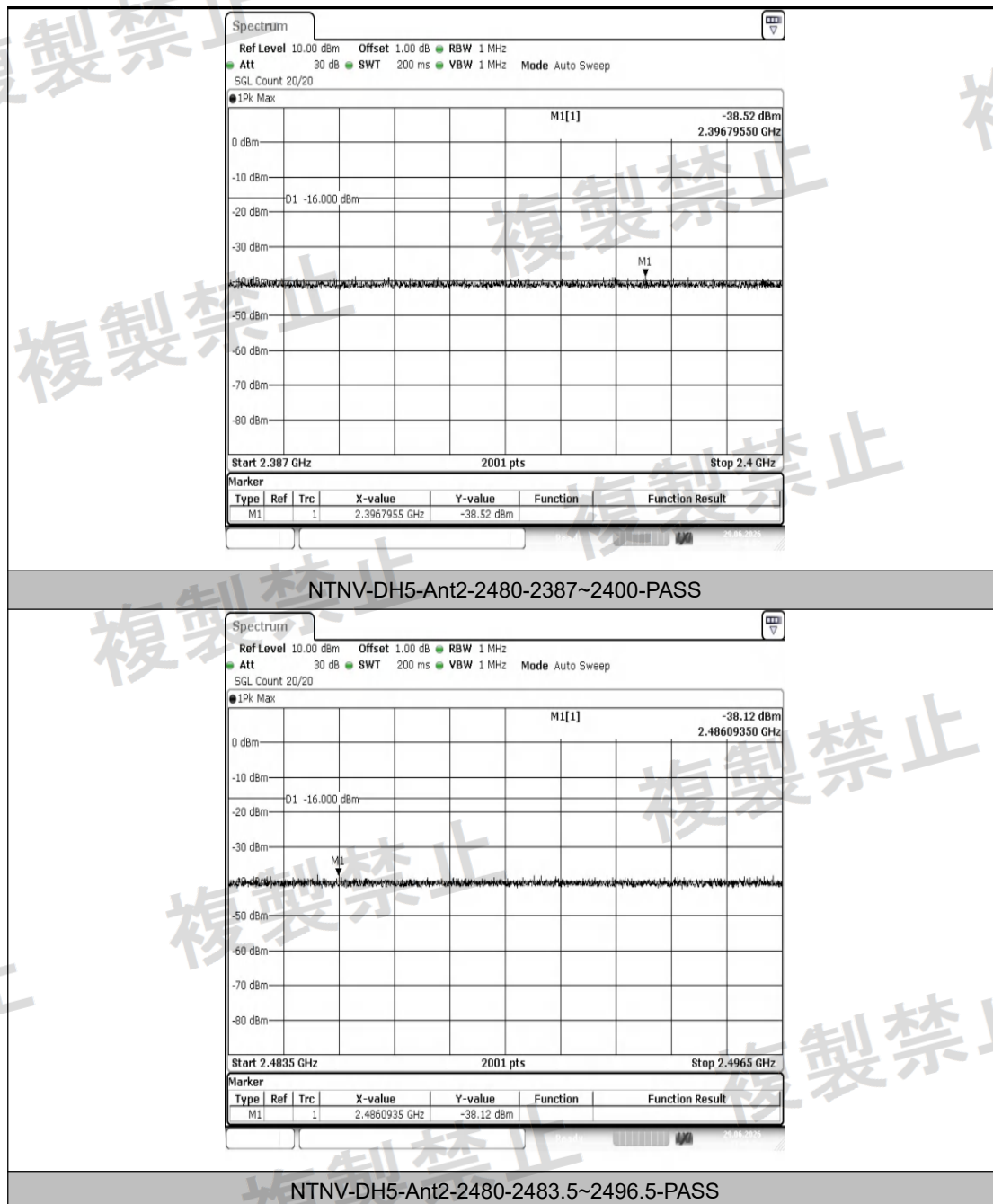


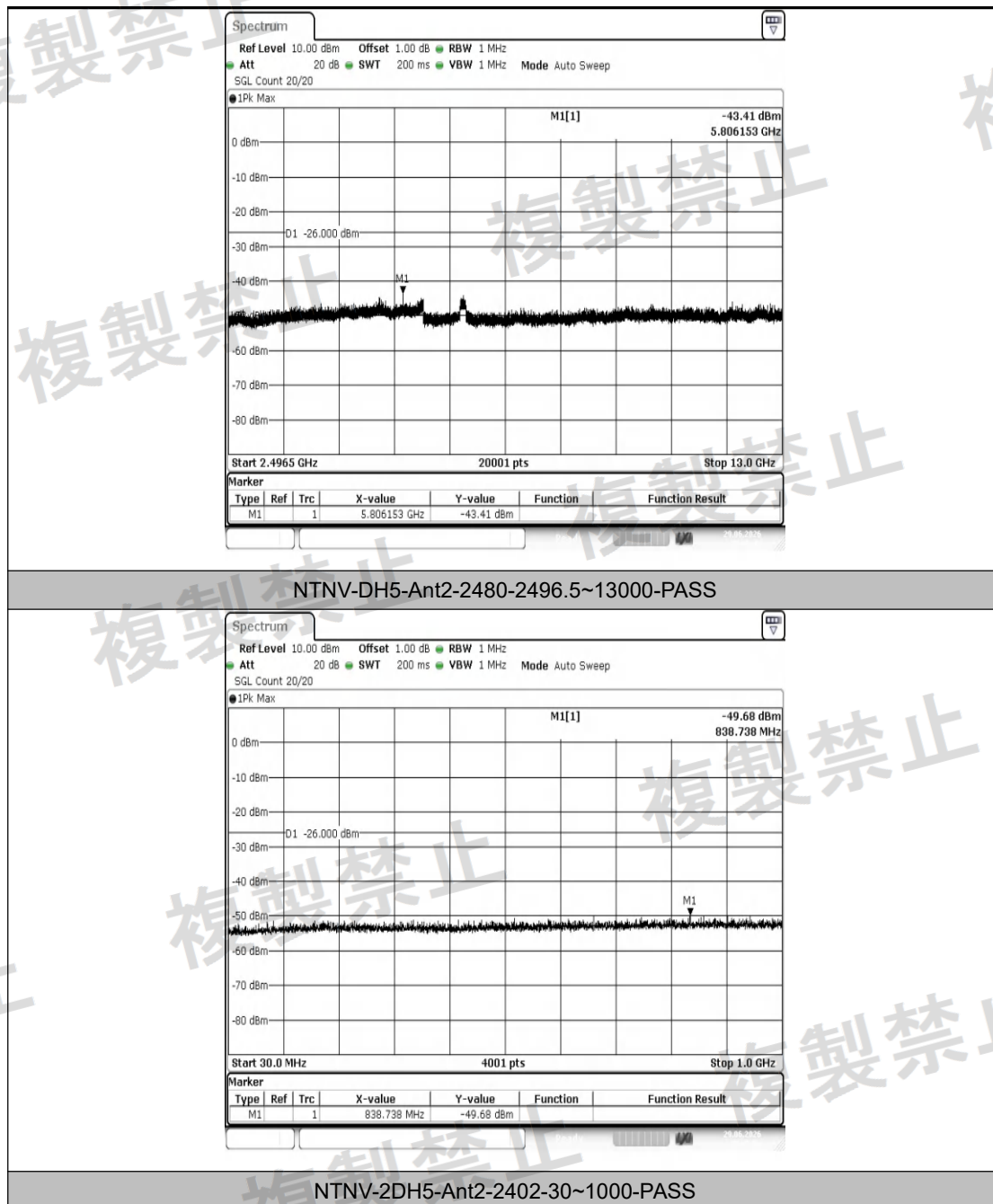


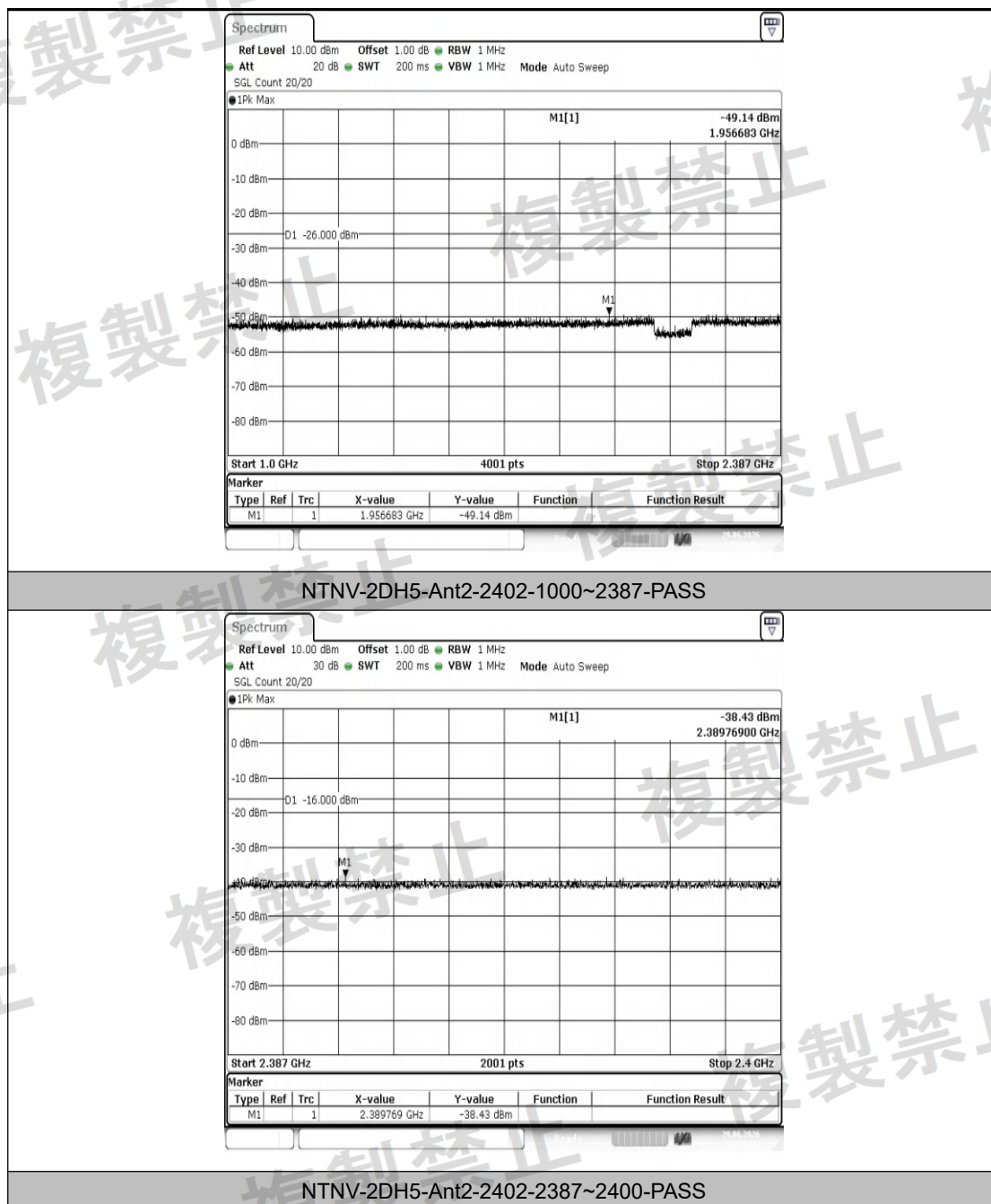


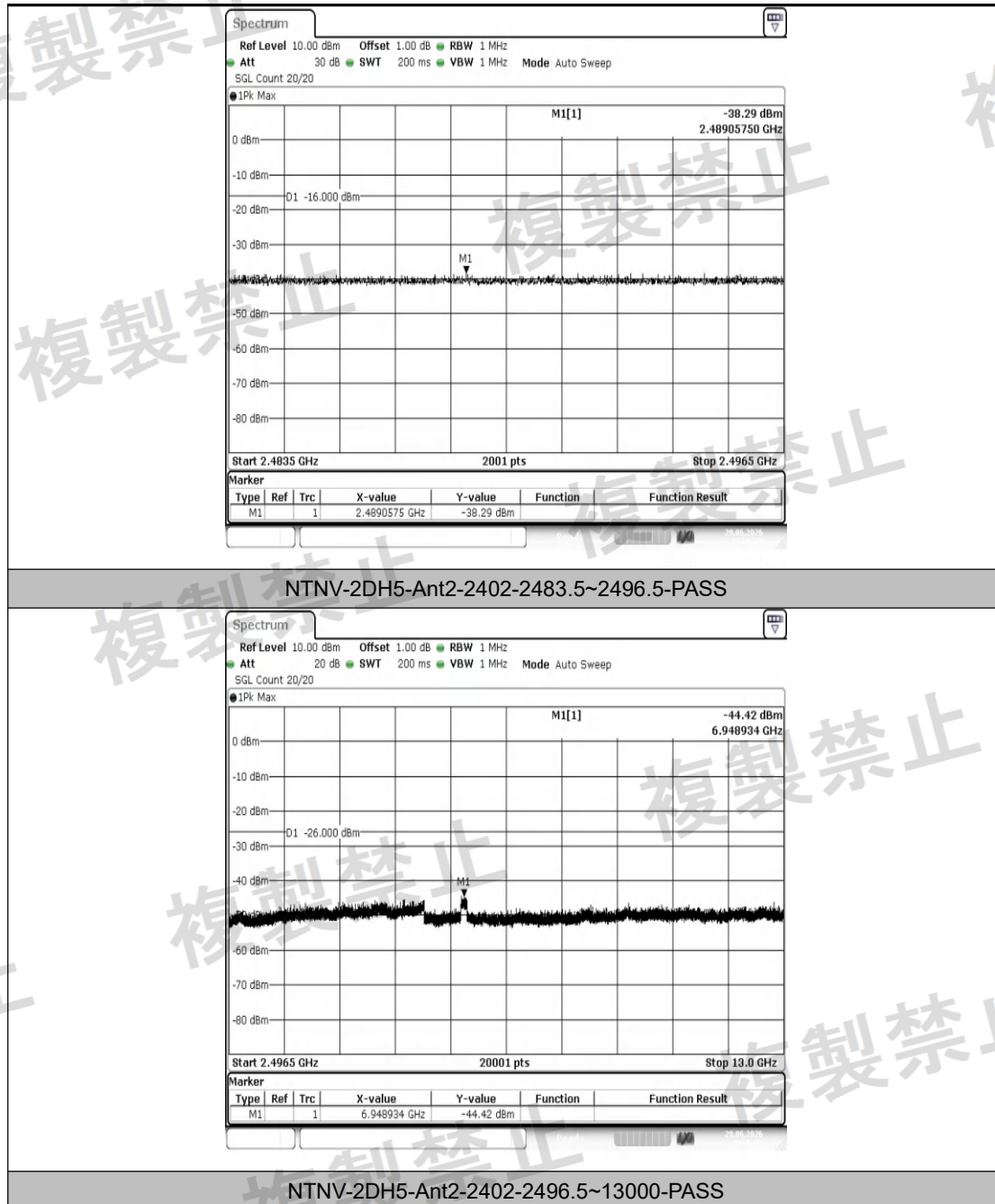


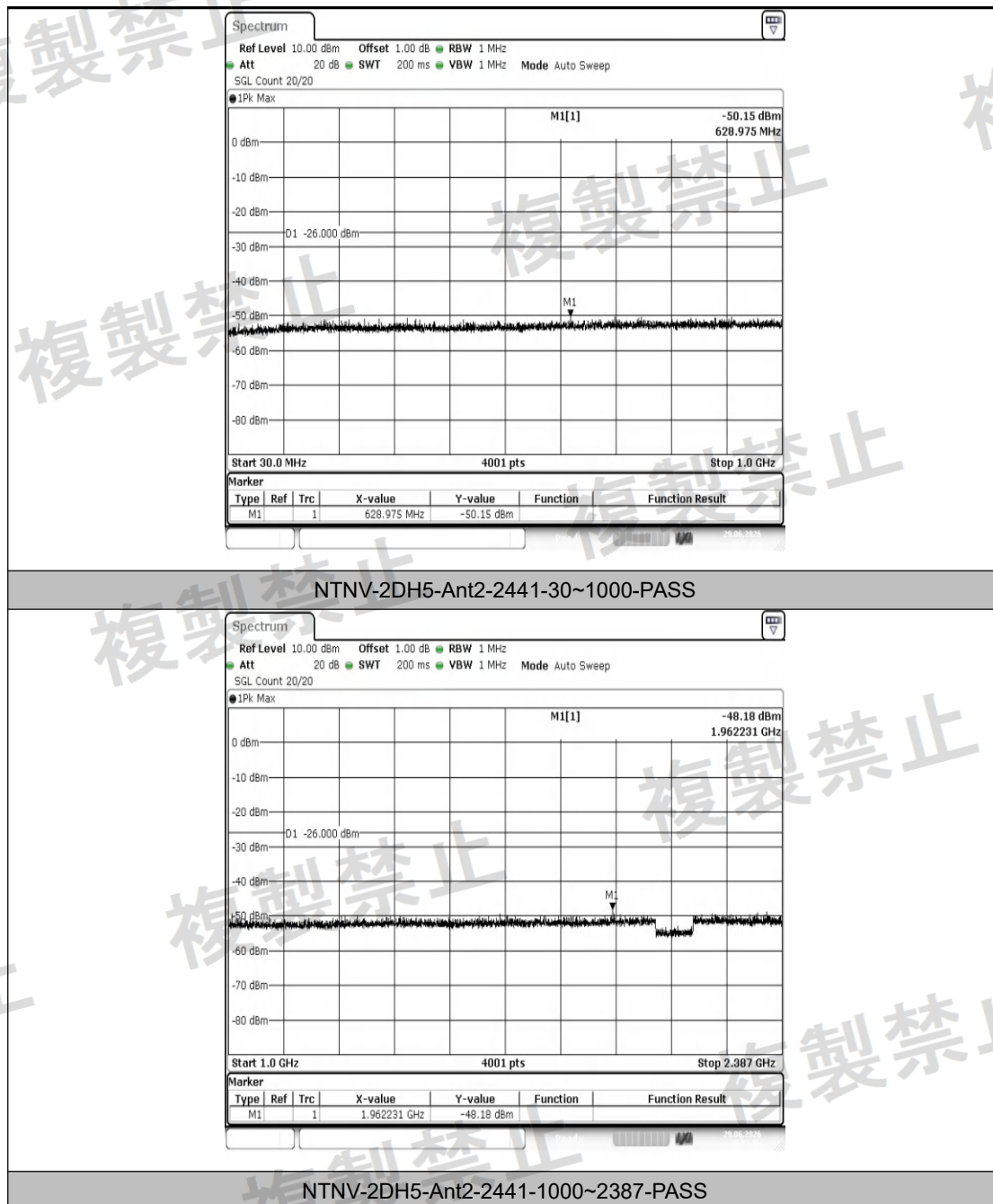


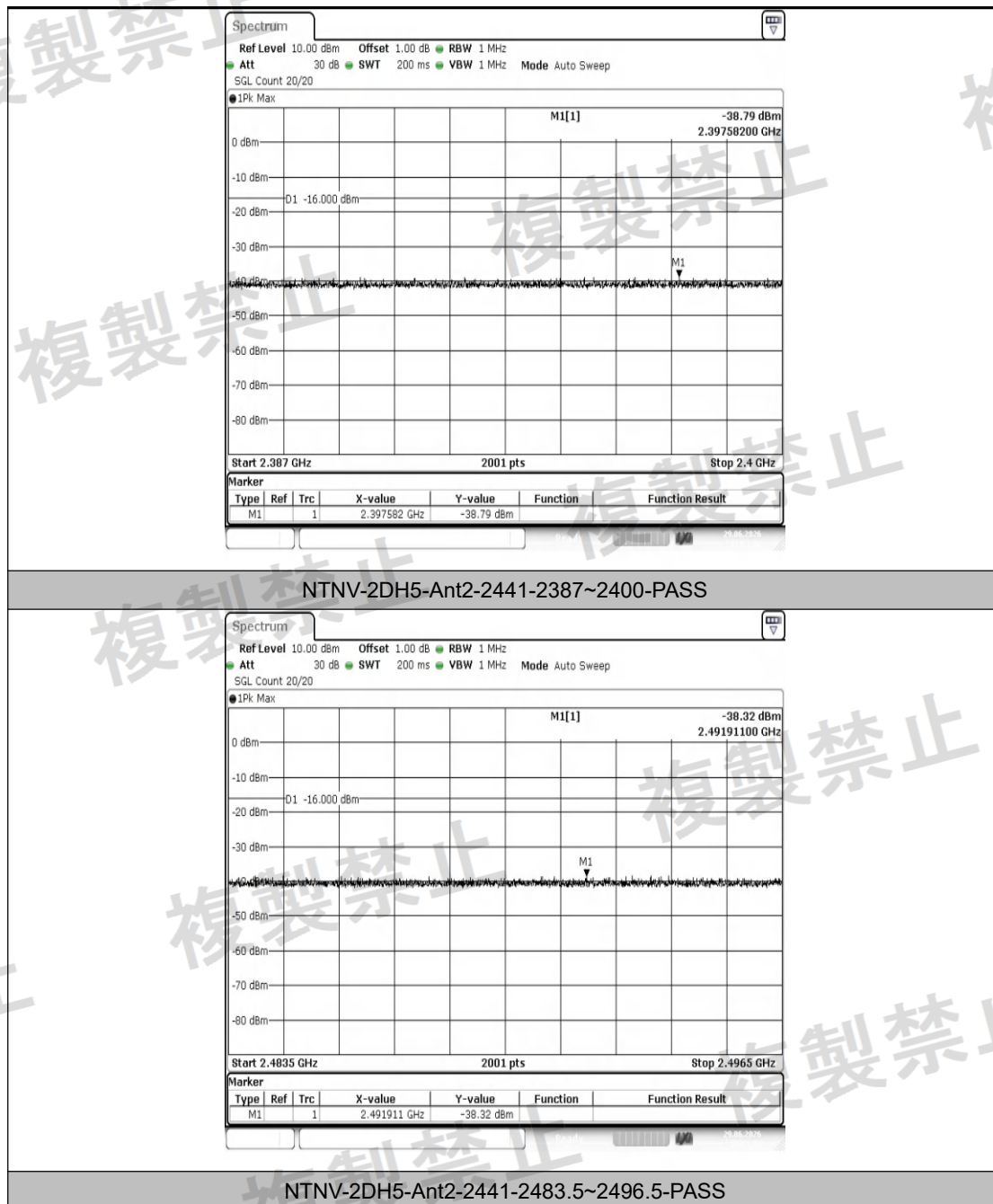


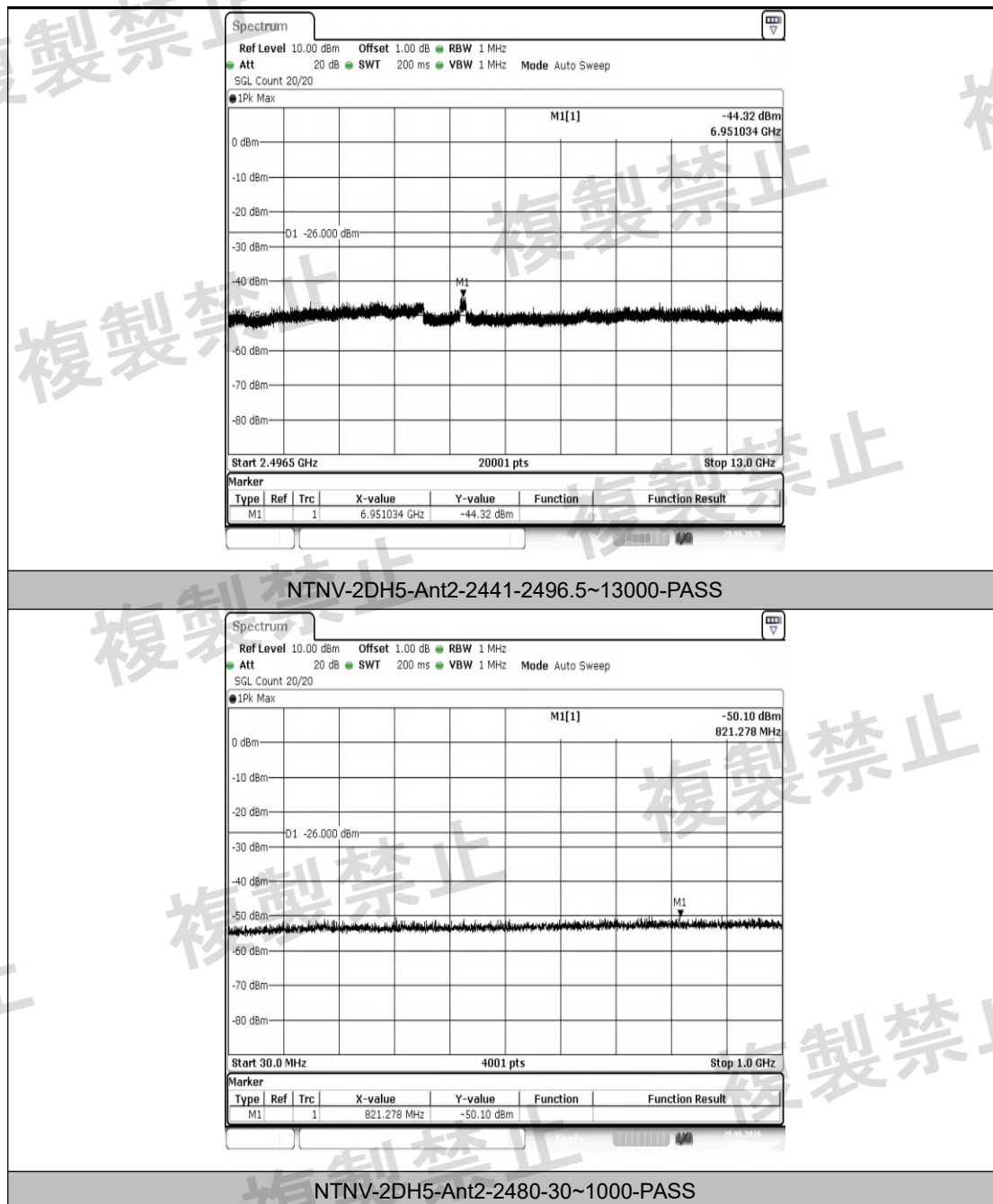


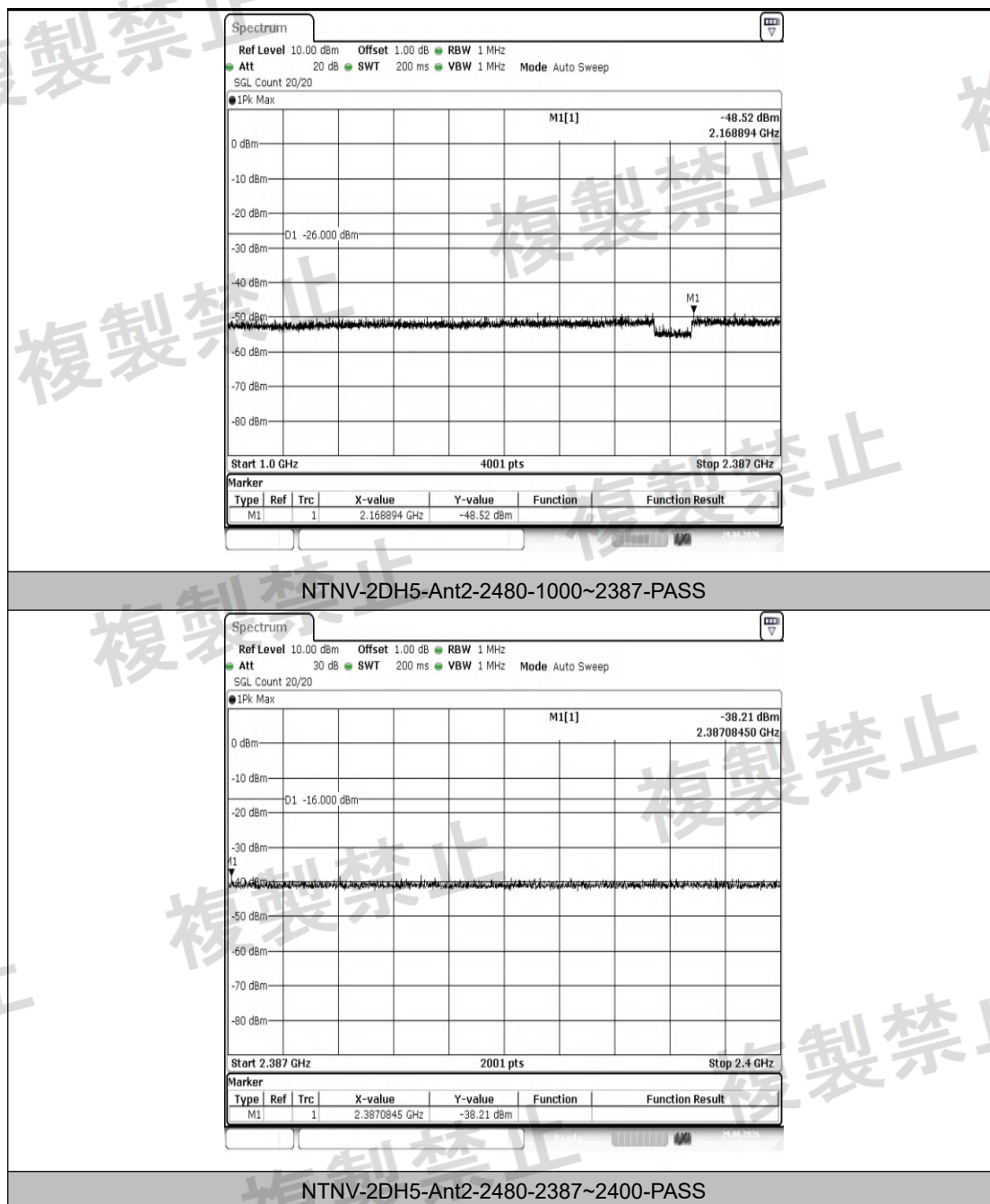


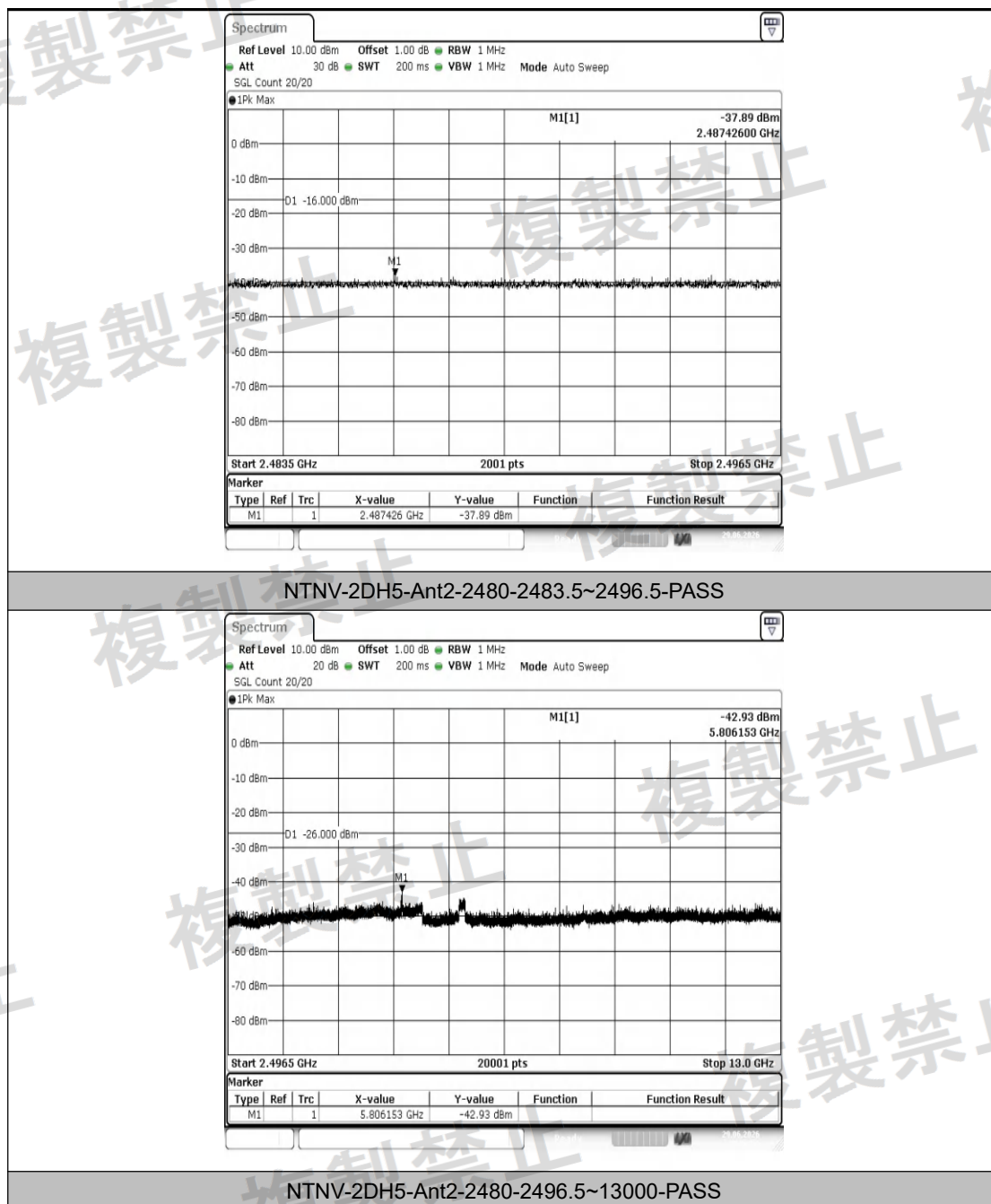


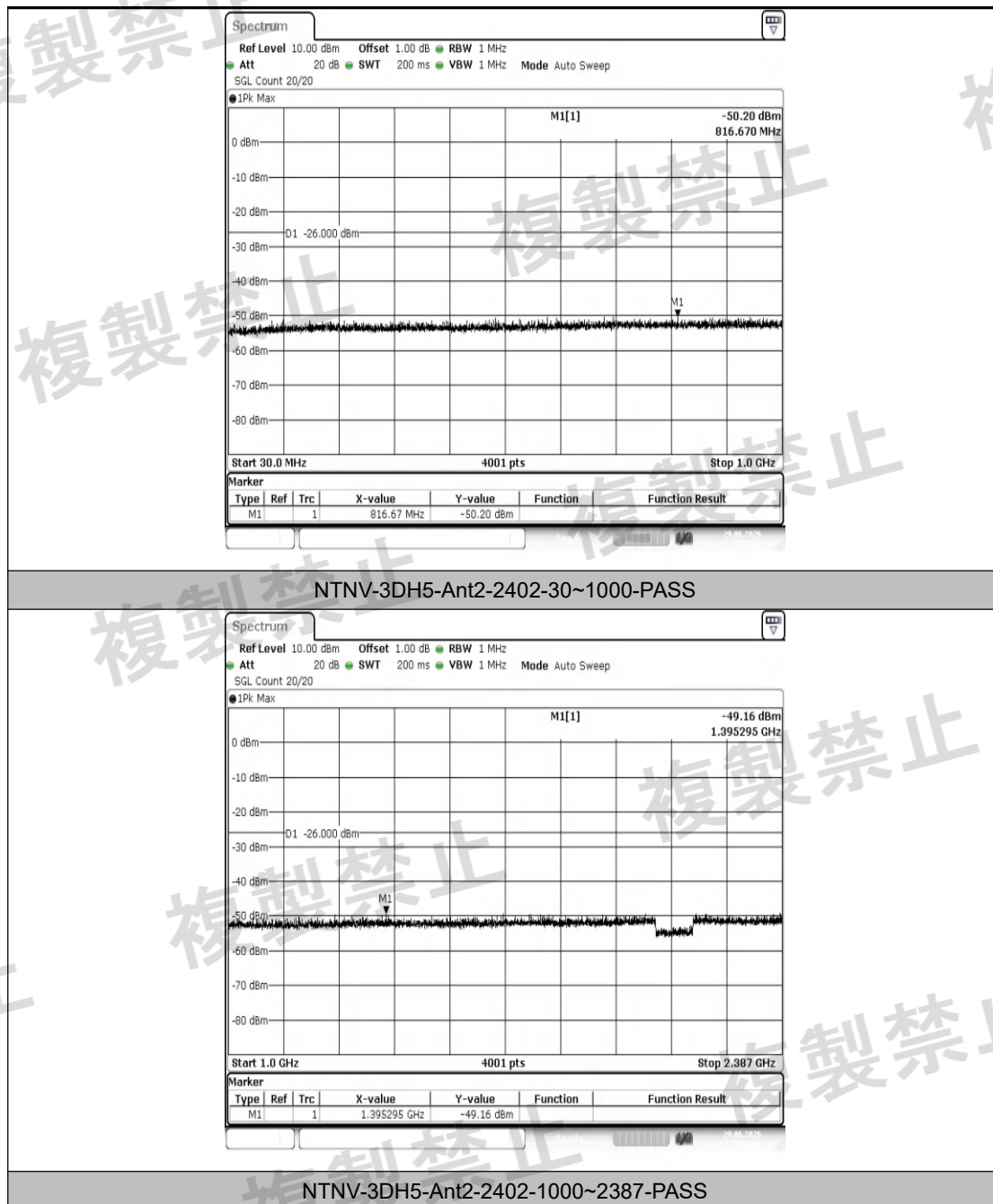


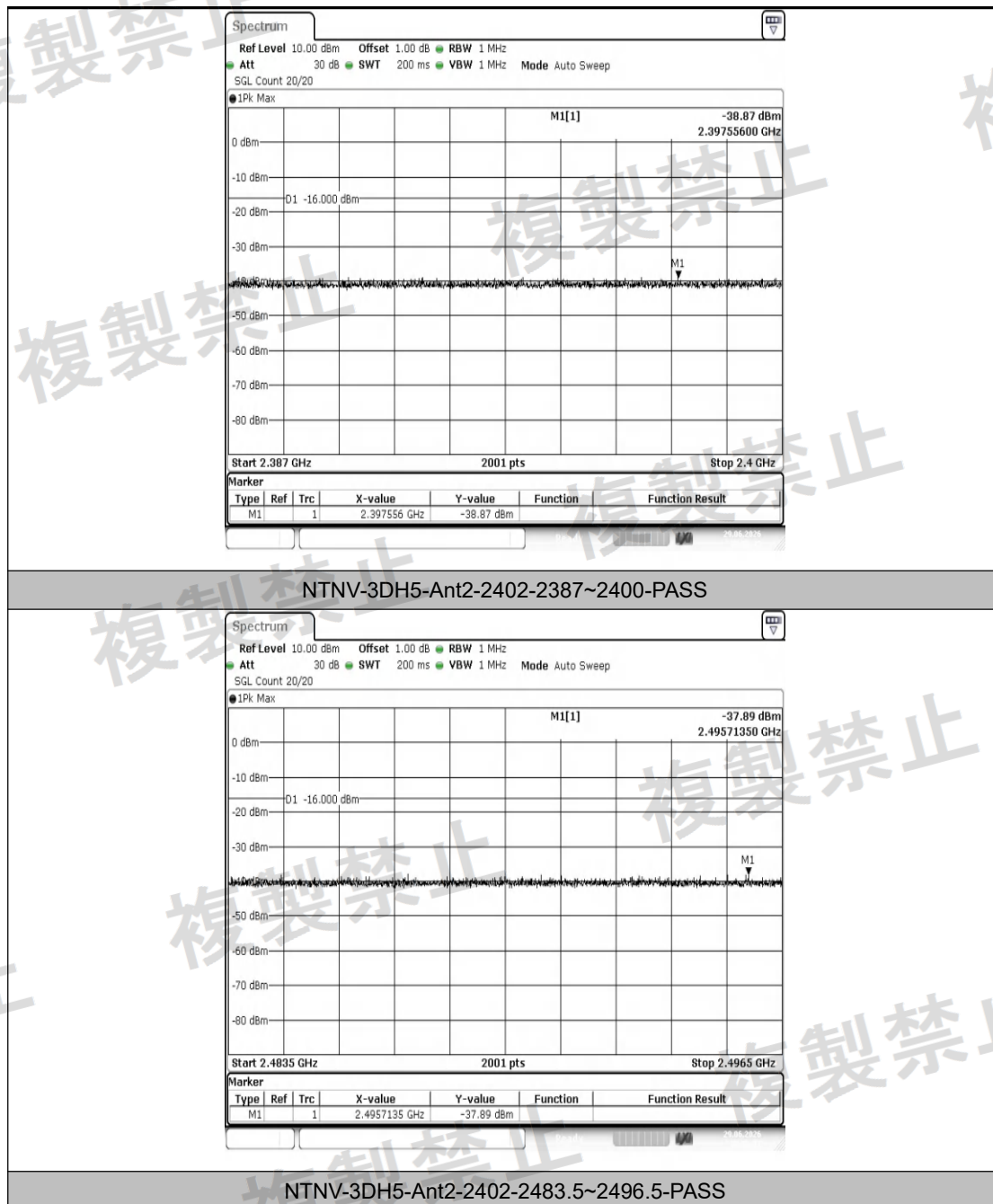


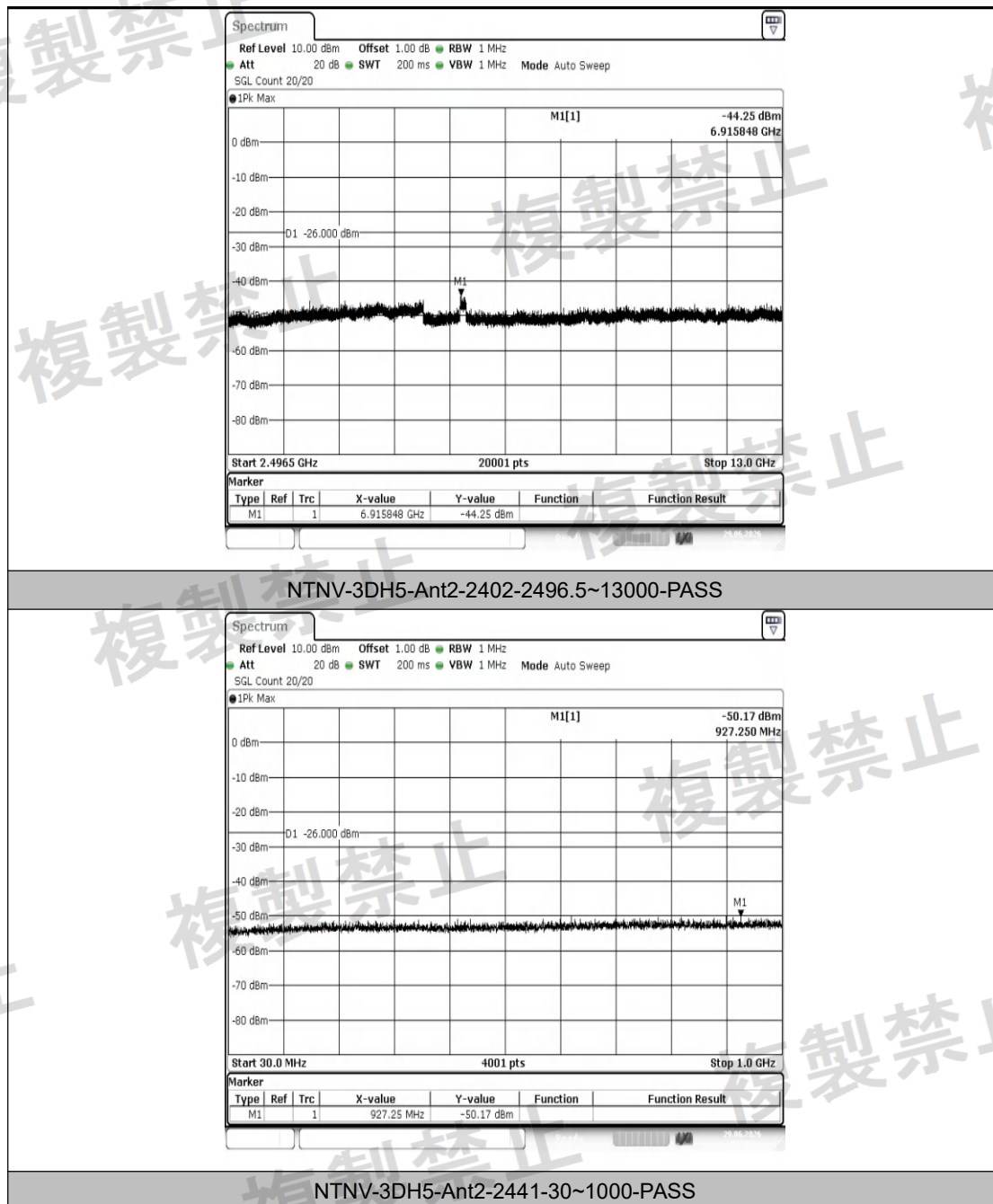


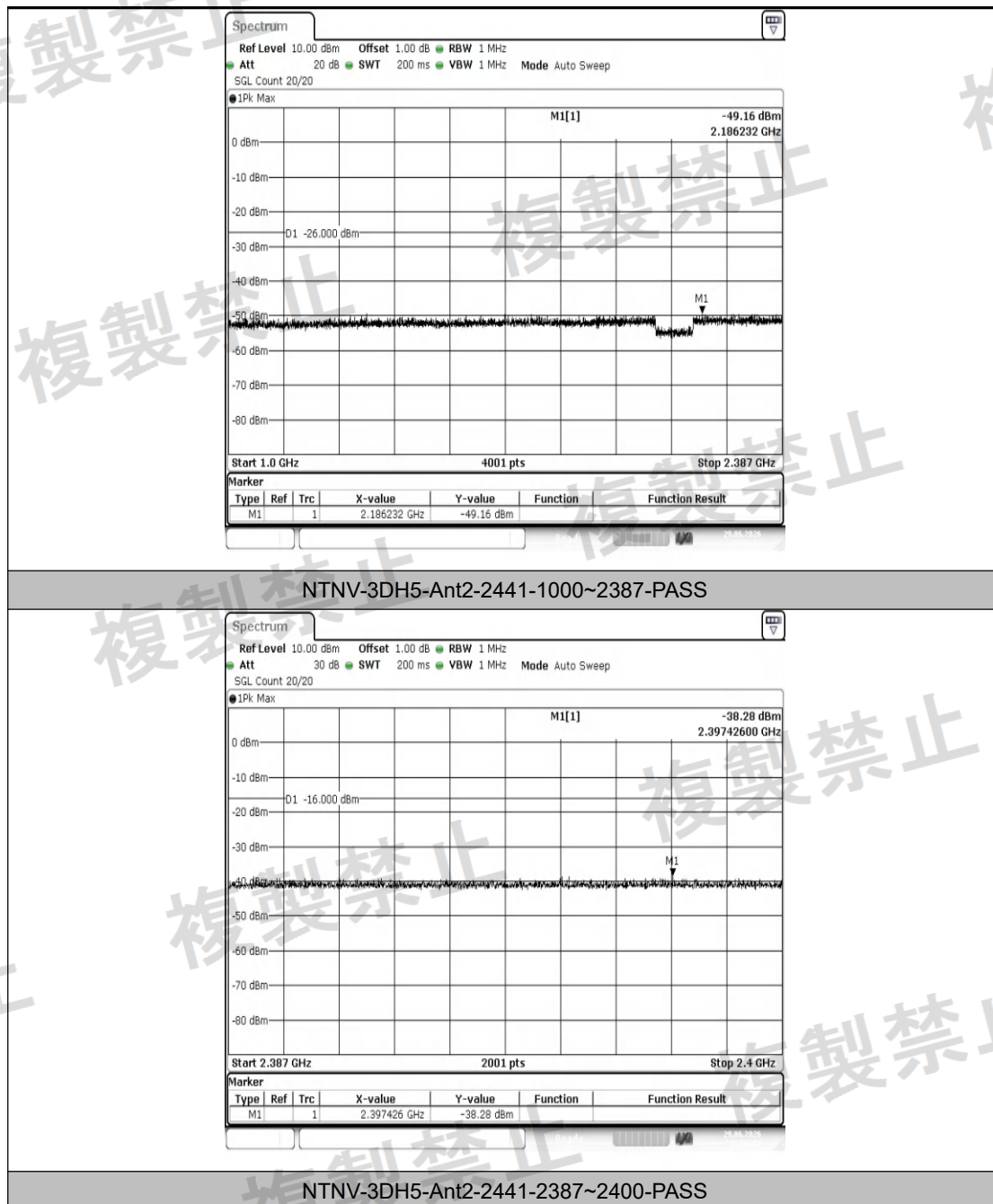


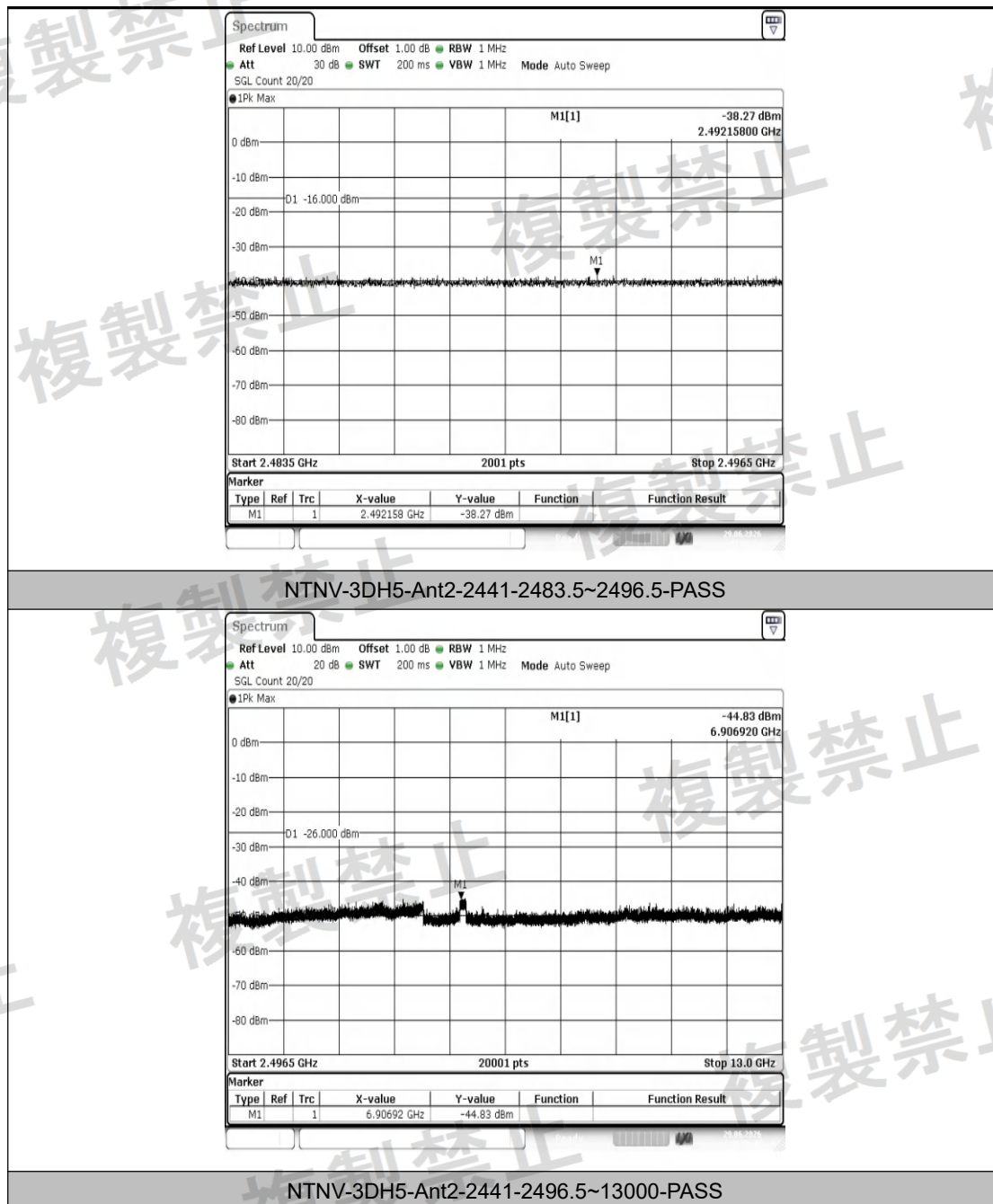


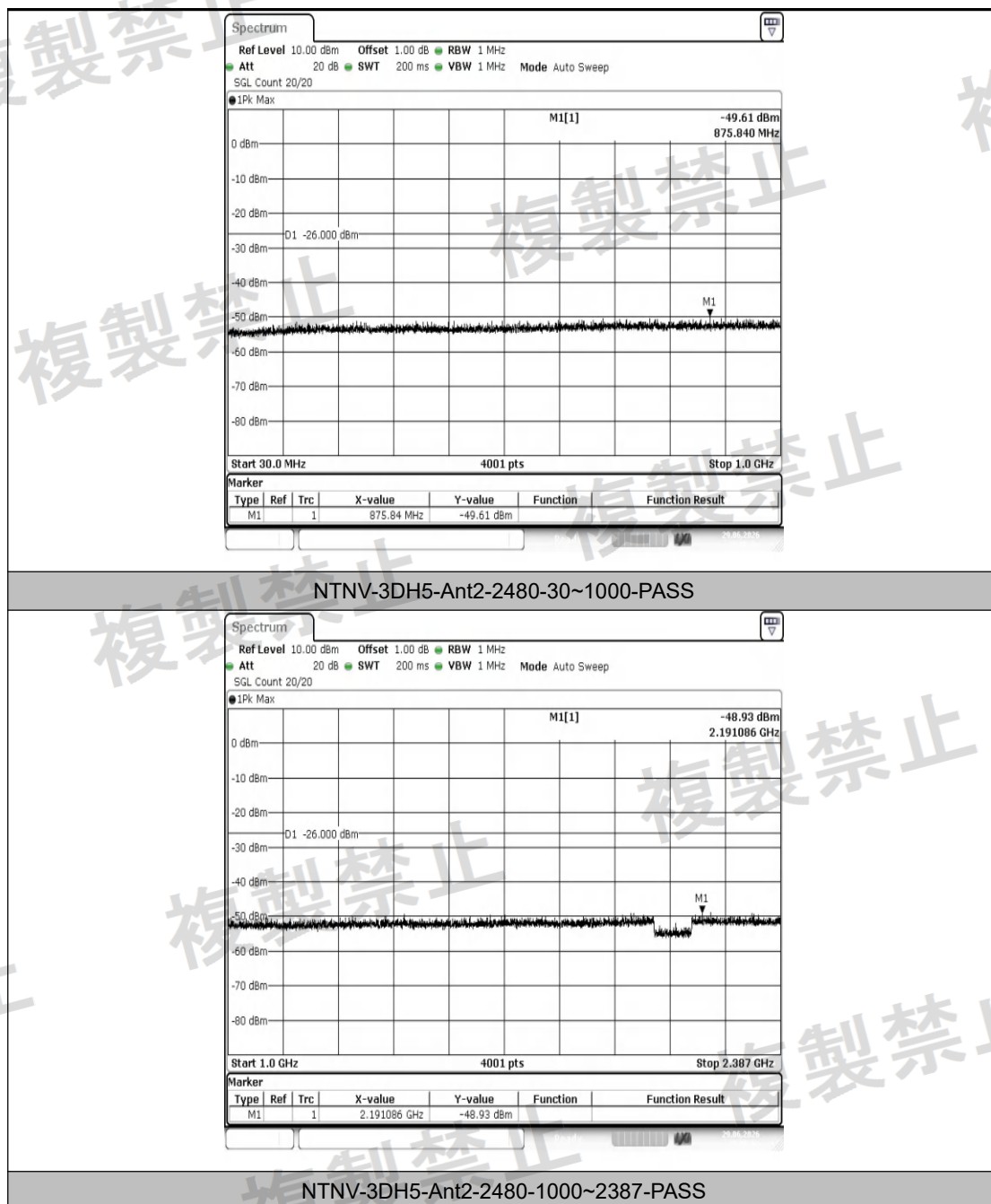


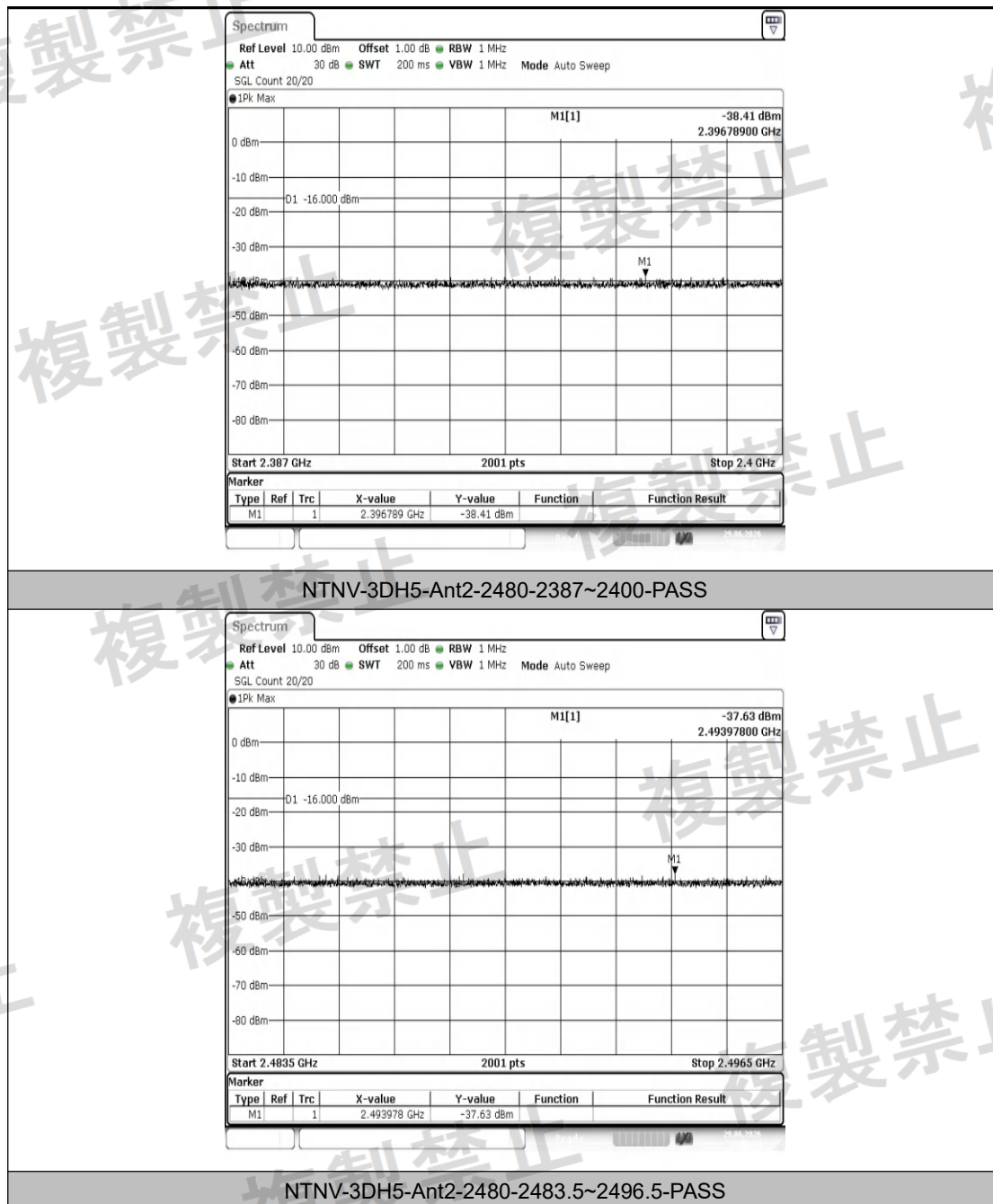


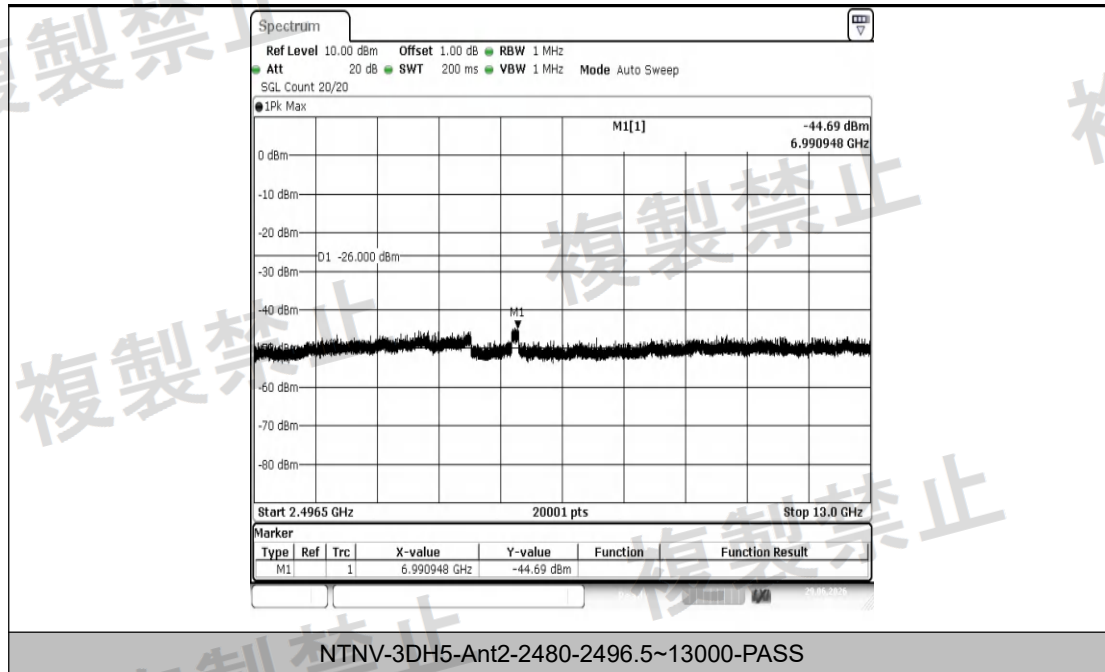












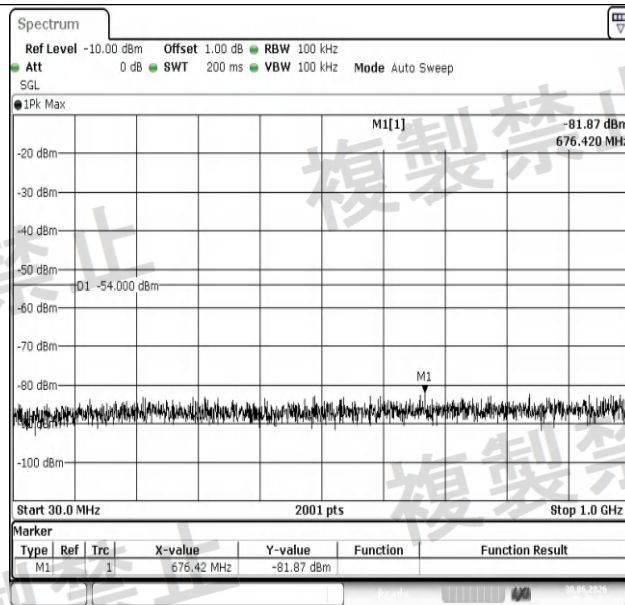
Appendix F: Spurious Emission of RX

Test Result

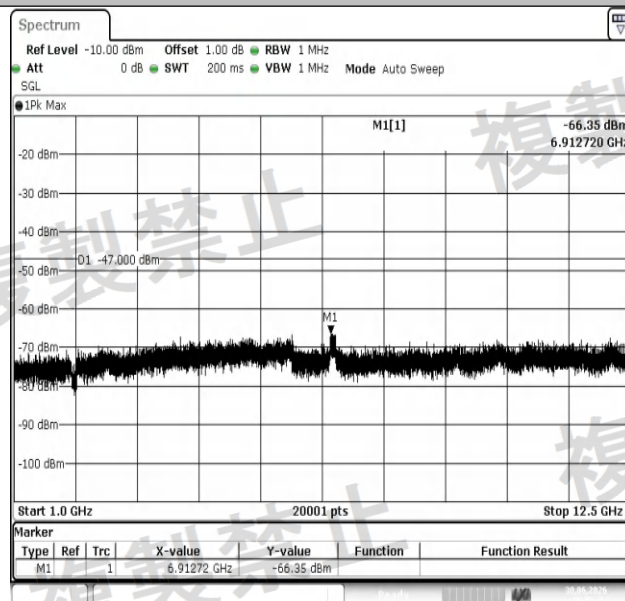
Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	DH5	Ant2	2402	30~1000	676.42	-81.87	≤-54	0.00650	≤4	PASS
NTNV	DH5	Ant2	2402	1000~12500	6912.72	-66.35	≤-47	0.23174	≤20	PASS
NTNV	DH5	Ant2	2441	30~1000	655.58	-80.40	≤-54	0.00912	≤4	PASS
NTNV	DH5	Ant2	2441	1000~12500	6902.94	-64.62	≤-47	0.34514	≤20	PASS
NTNV	DH5	Ant2	2480	30~1000	979.88	-81.86	≤-54	0.00652	≤4	PASS
NTNV	DH5	Ant2	2480	1000~12500	6953.54	-65.64	≤-47	0.27290	≤20	PASS
NTNV	2DH5	Ant2	2402	30~1000	793.74	-82.27	≤-54	0.00593	≤4	PASS
NTNV	2DH5	Ant2	2402	1000~12500	6919.04	-64.62	≤-47	0.34514	≤20	PASS
NTNV	2DH5	Ant2	2441	30~1000	974.07	-81.69	≤-54	0.00678	≤4	PASS
NTNV	2DH5	Ant2	2441	1000~12500	6906.97	-65.57	≤-47	0.27733	≤20	PASS
NTNV	2DH5	Ant2	2480	30~1000	945.95	-82.02	≤-54	0.00628	≤4	PASS
NTNV	2DH5	Ant2	2480	1000~12500	6099.13	-65.45	≤-47	0.28510	≤20	PASS
NTNV	3DH5	Ant2	2402	30~1000	825.24	-82.09	≤-54	0.00618	≤4	PASS
NTNV	3DH5	Ant2	2402	1000~12500	5383.29	-65.75	≤-47	0.26607	≤20	PASS
NTNV	3DH5	Ant2	2441	30~1000	179.06	-81.98	≤-54	0.00634	≤4	PASS
NTNV	3DH5	Ant2	2441	1000~12500	6968.49	-65.19	≤-47	0.30269	≤20	PASS
NTNV	3DH5	Ant2	2480	30~1000	188.27	-81.78	≤-54	0.00664	≤4	PASS
NTNV	3DH5	Ant2	2480	1000~12500	6995.51	-65.15	≤-47	0.30549	≤20	PASS



Test Graphs

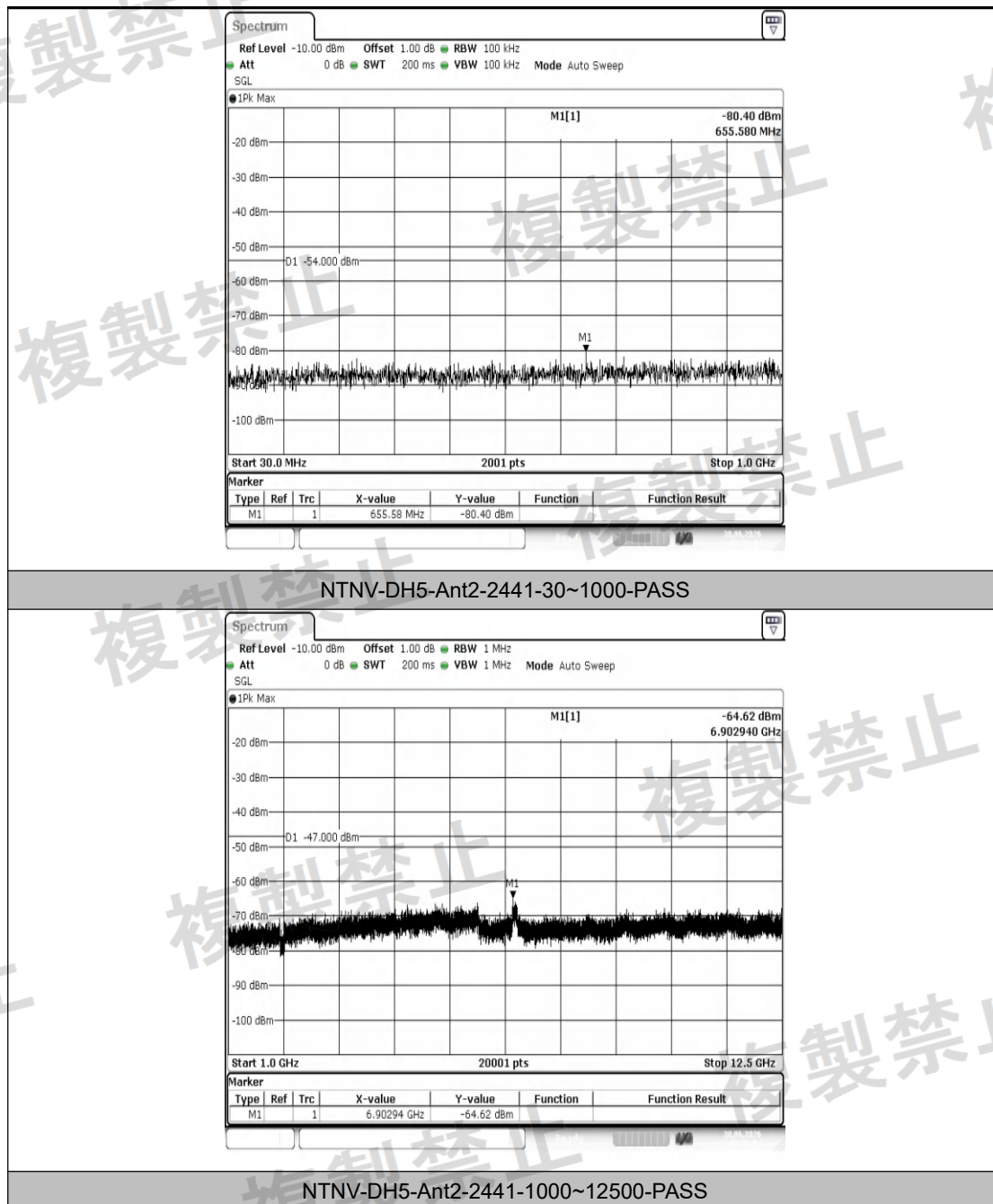


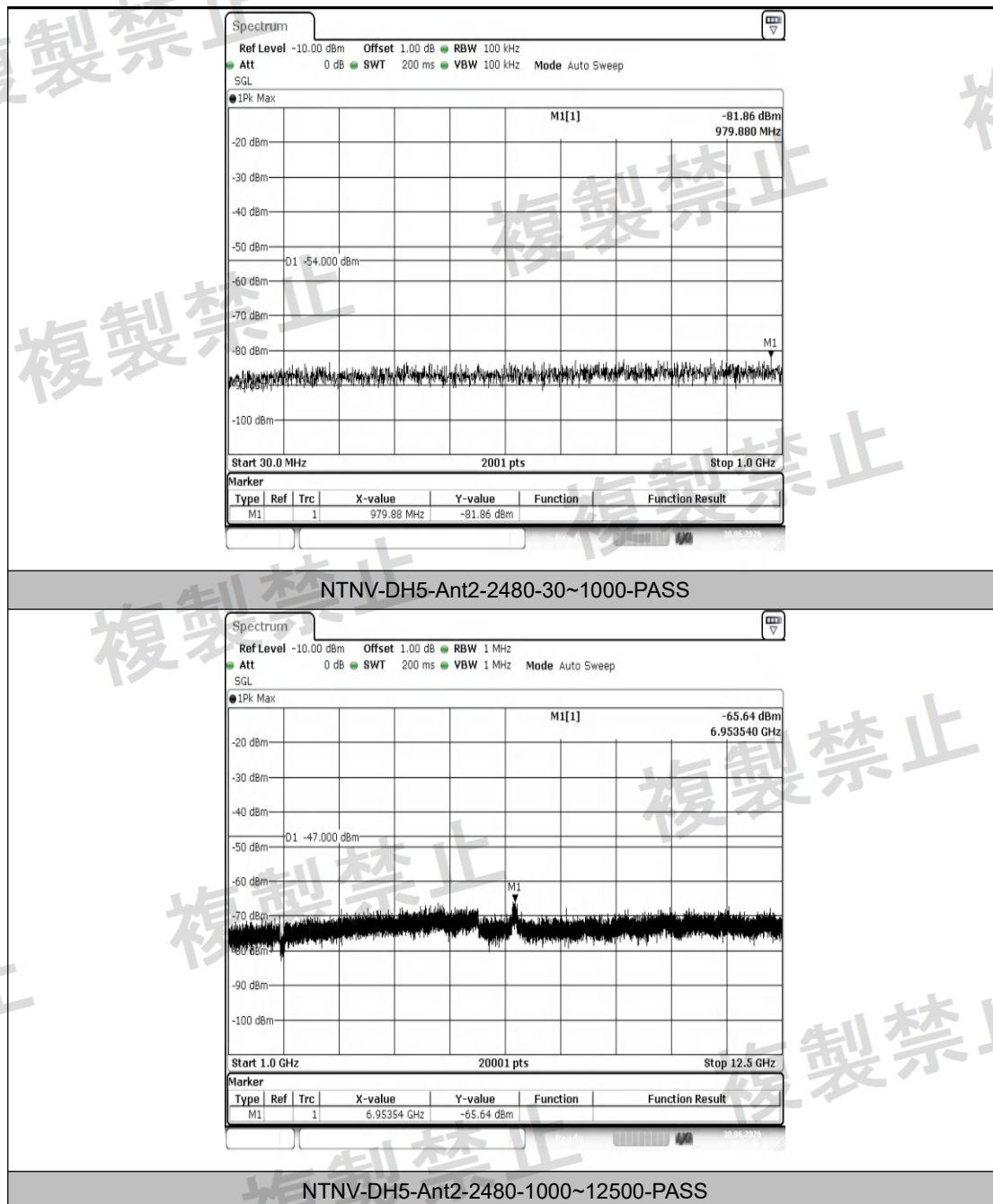
NTNV-DH5-Ant2-2402-30~1000-PASS

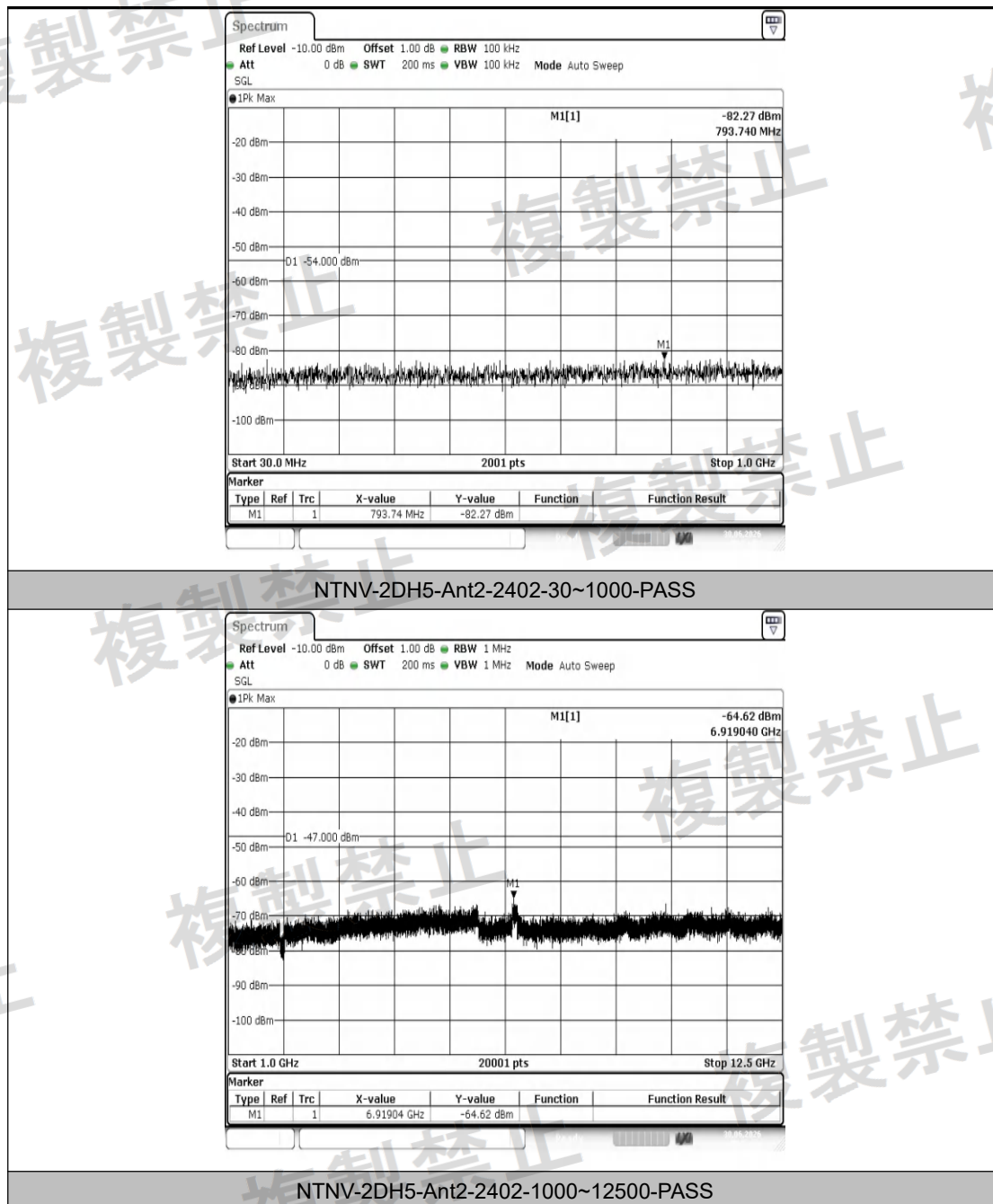


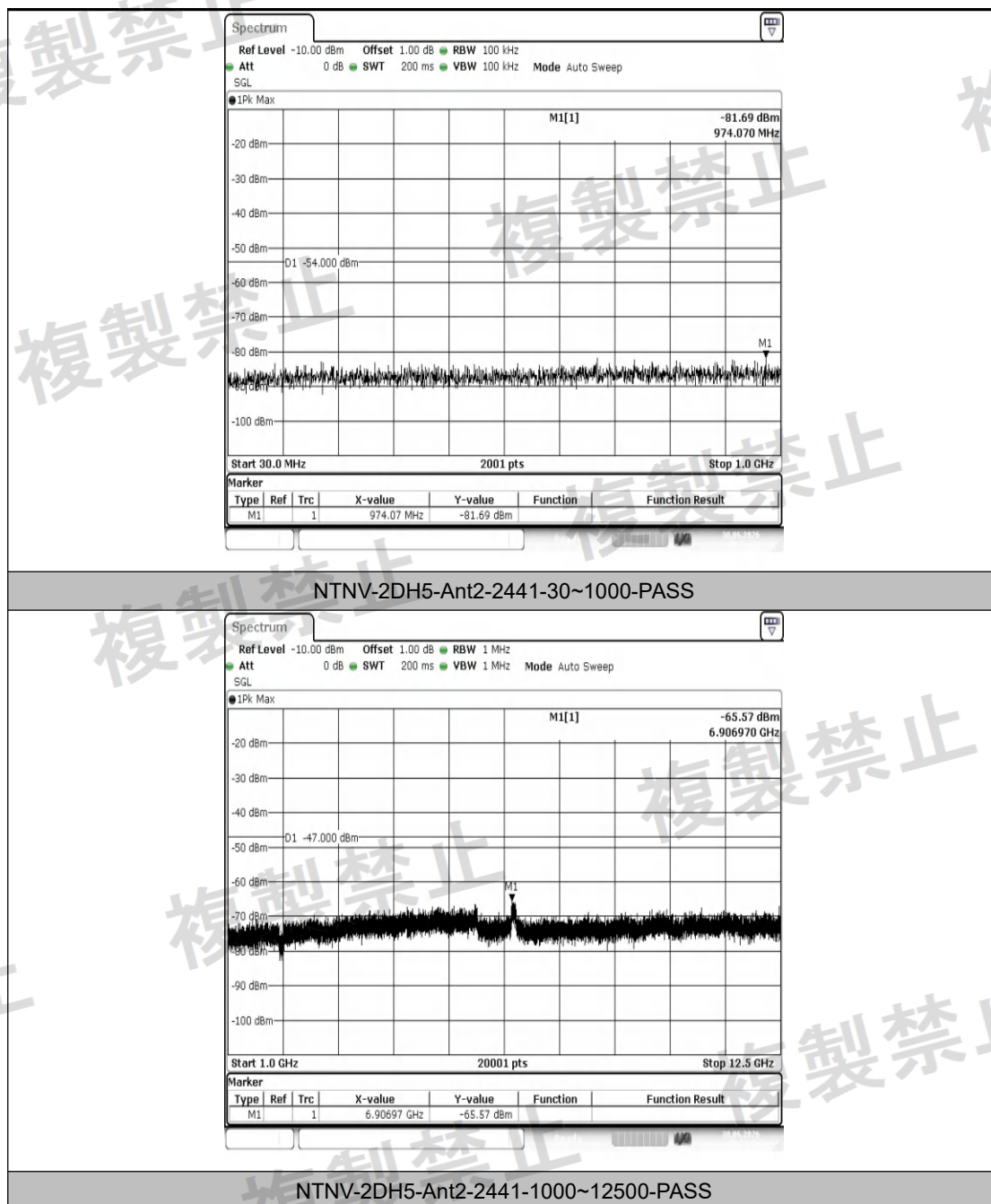
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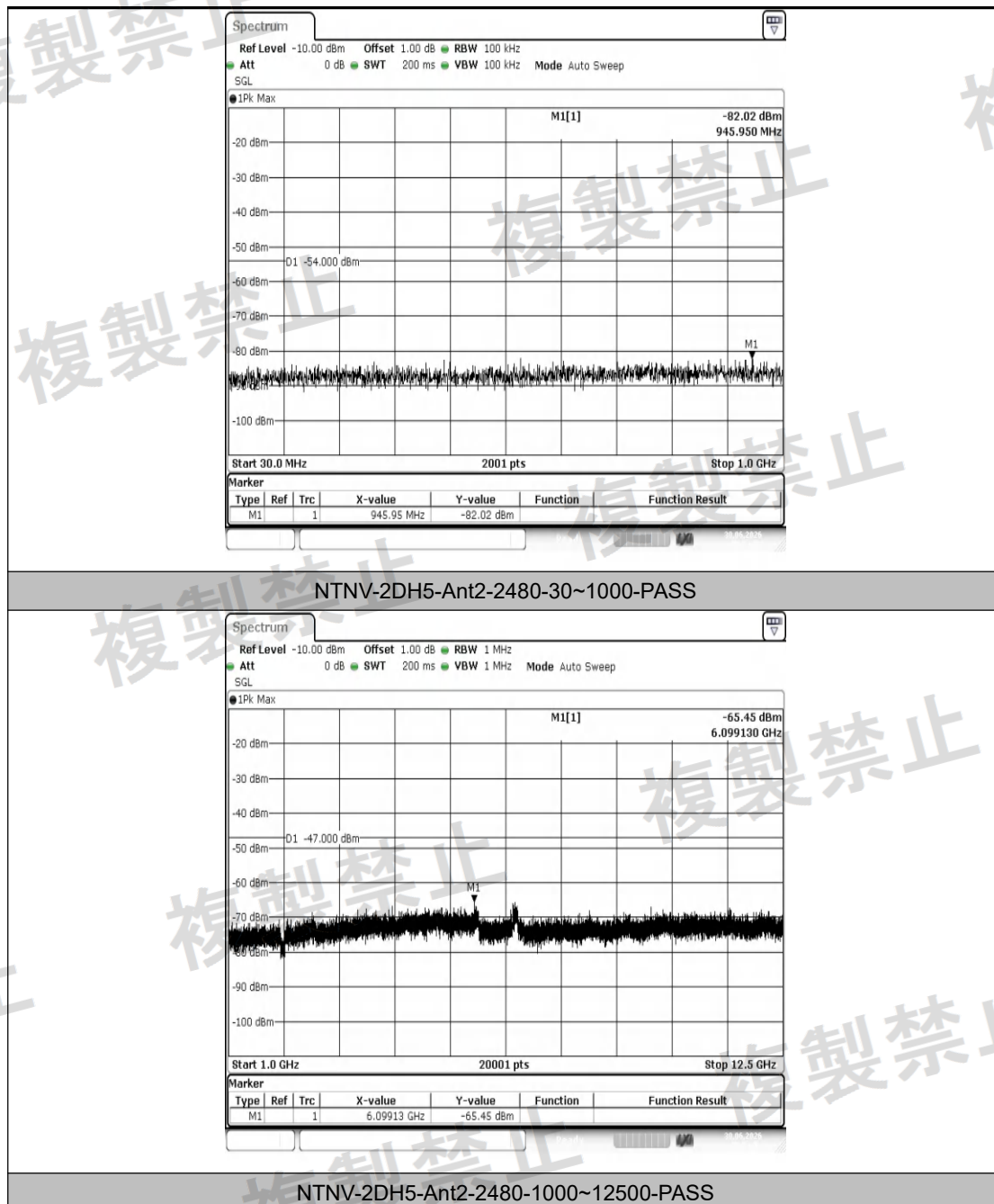


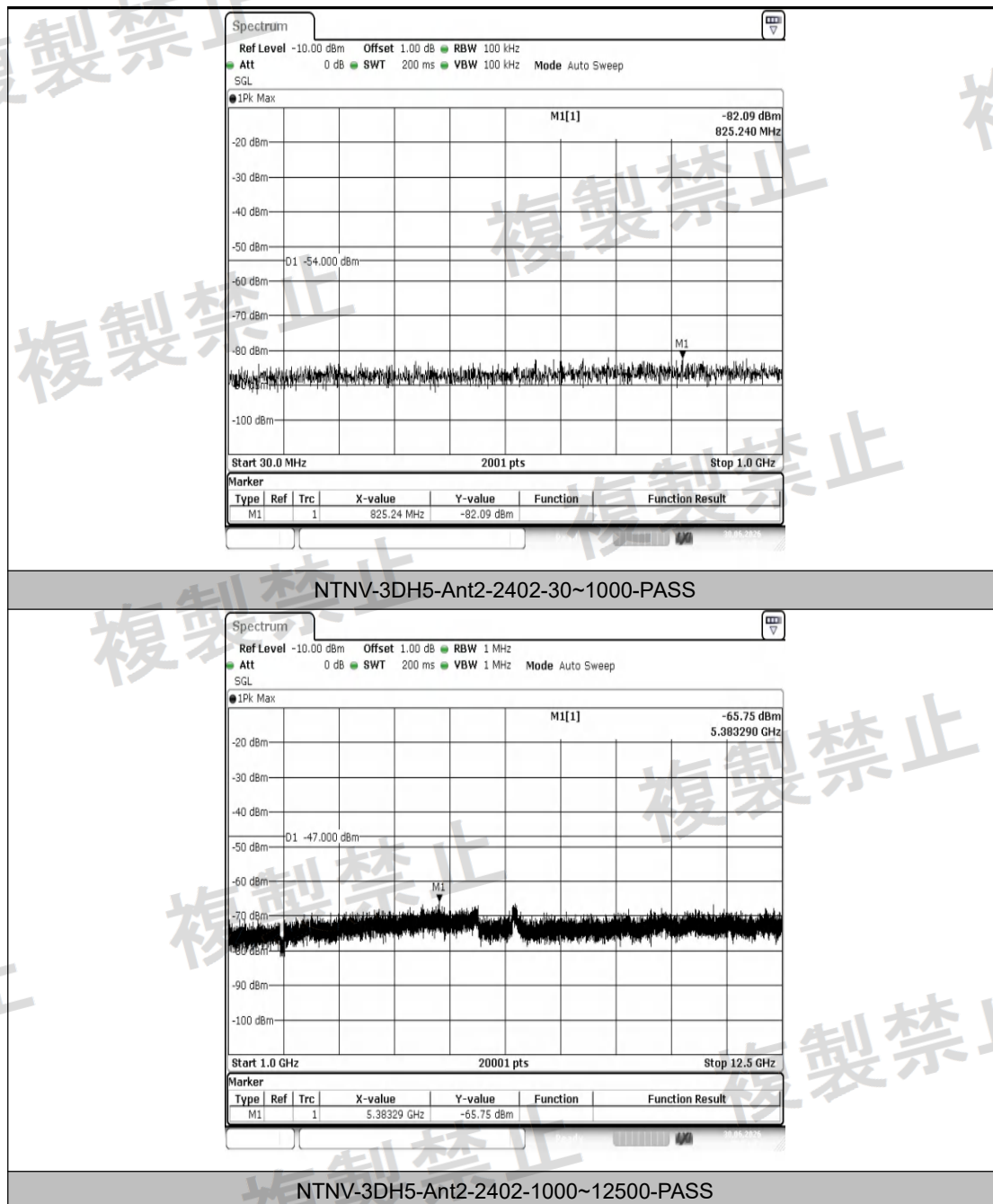


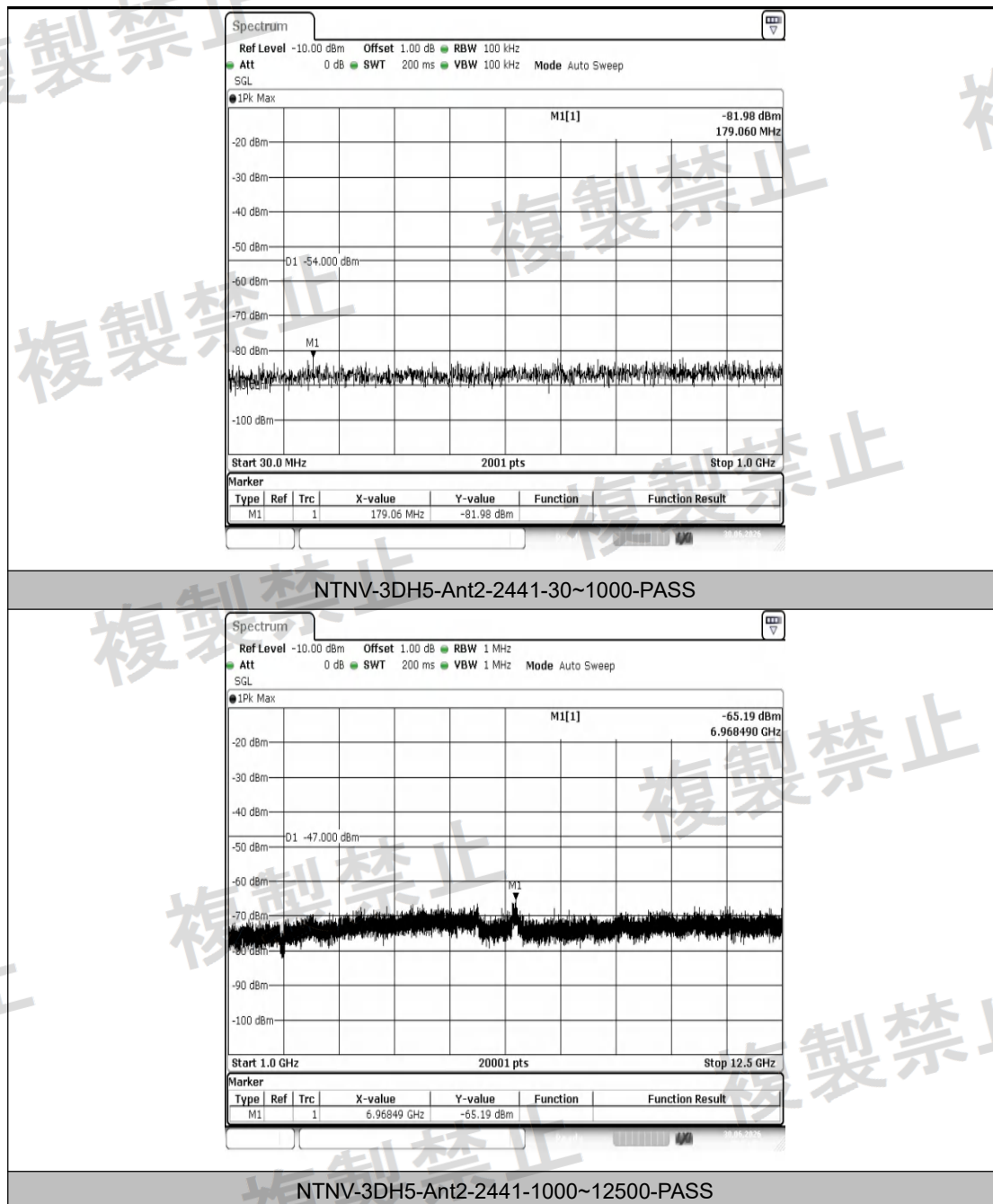


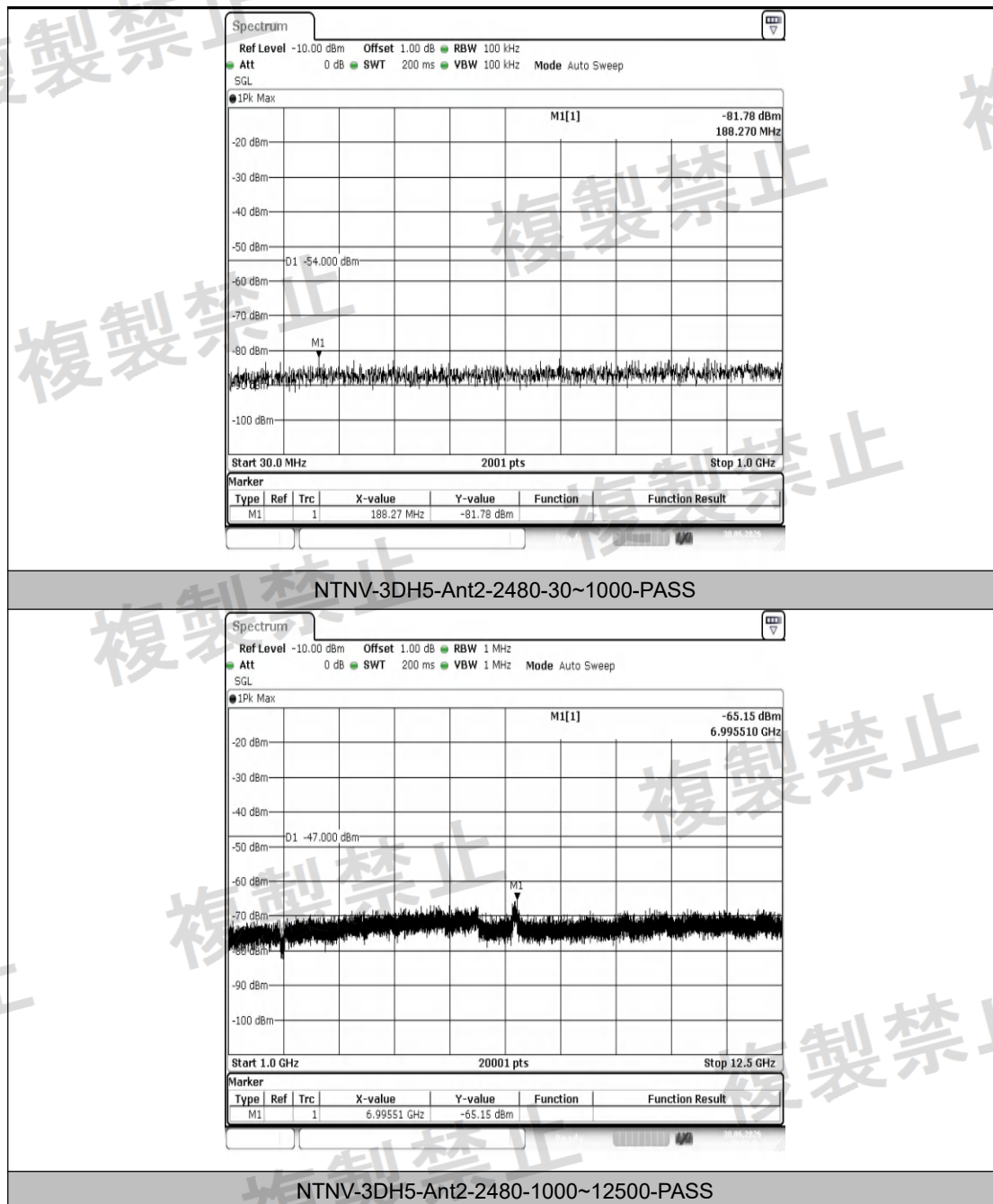












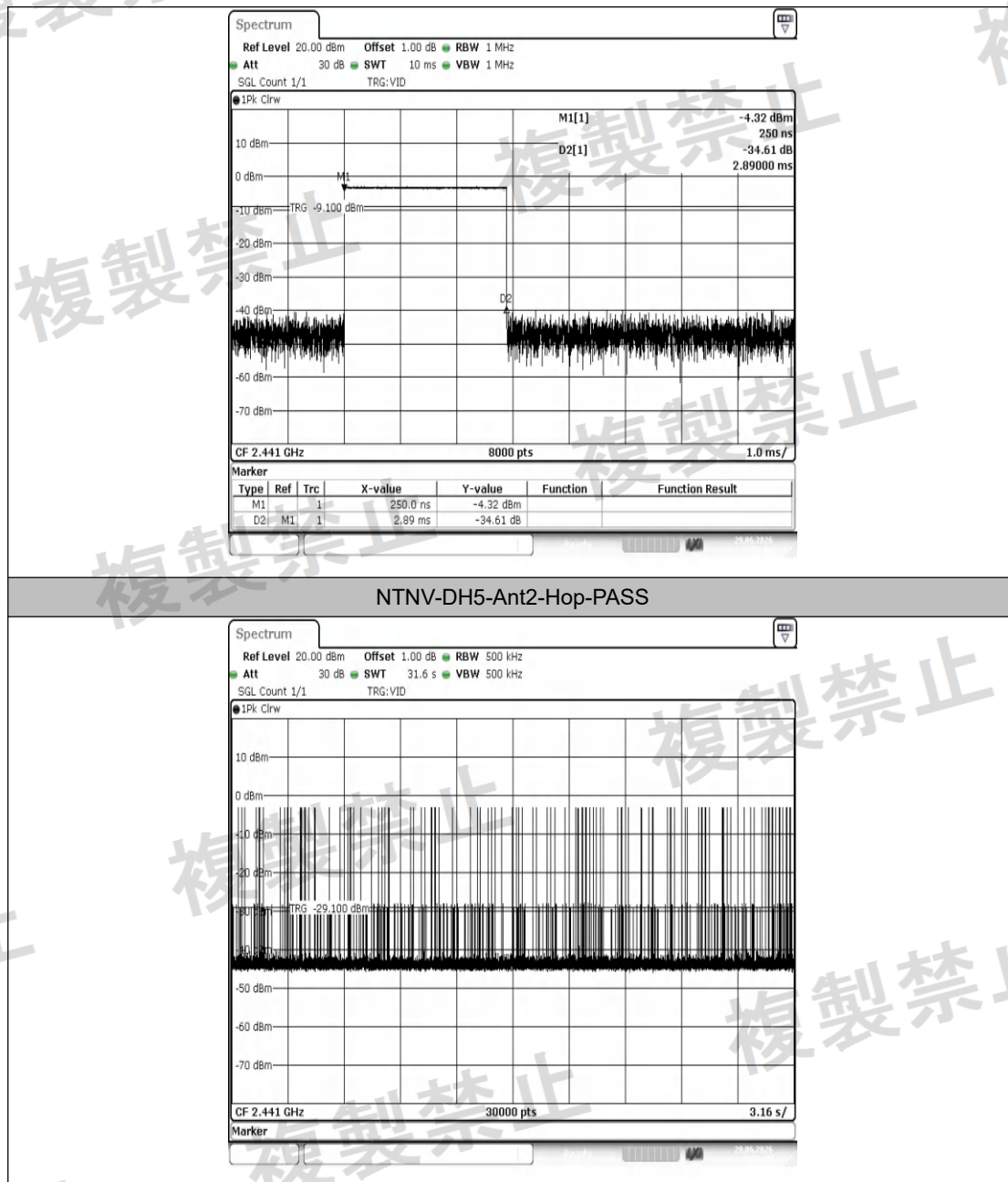
Appendix G: Dwell Time

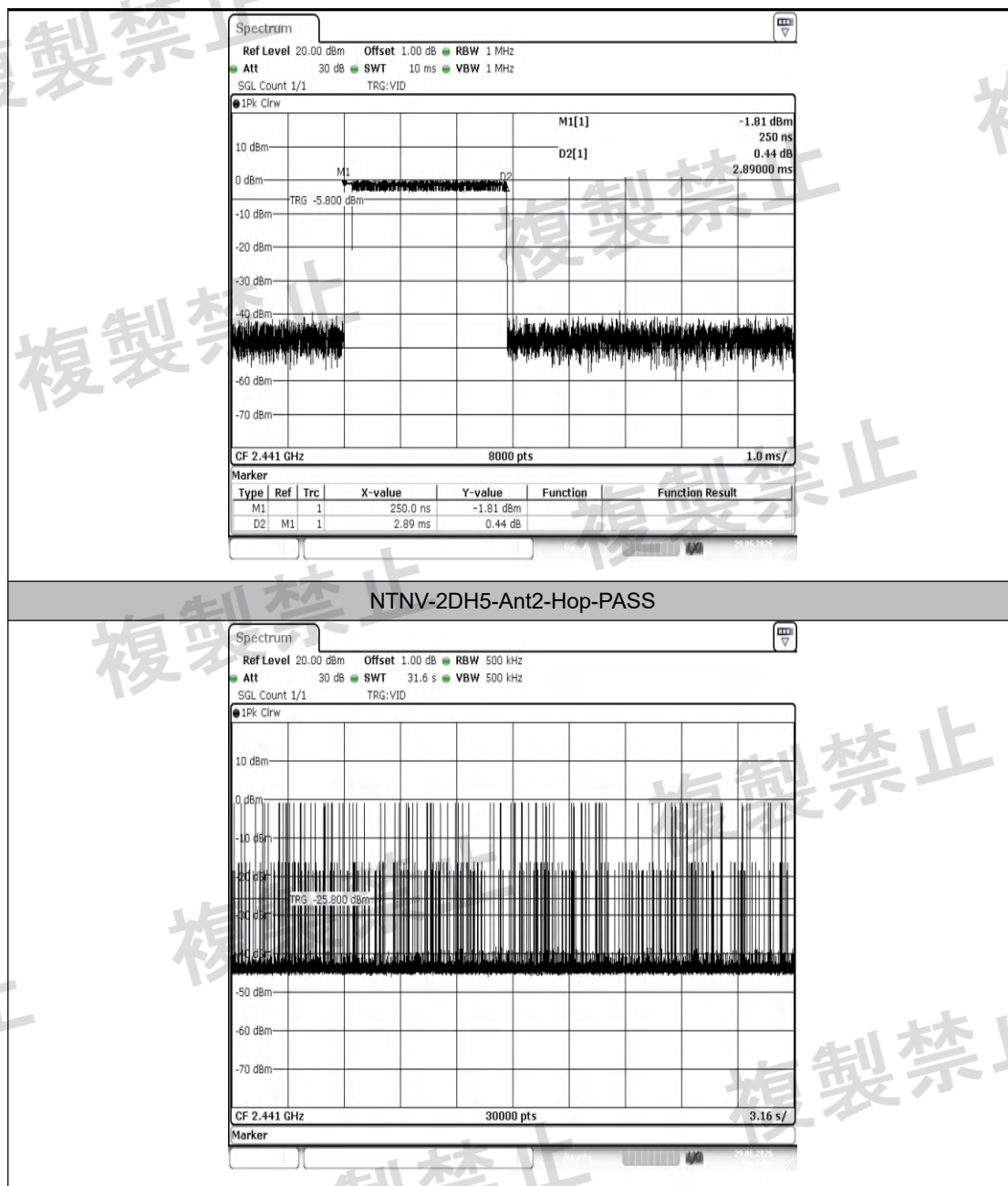
Test Result

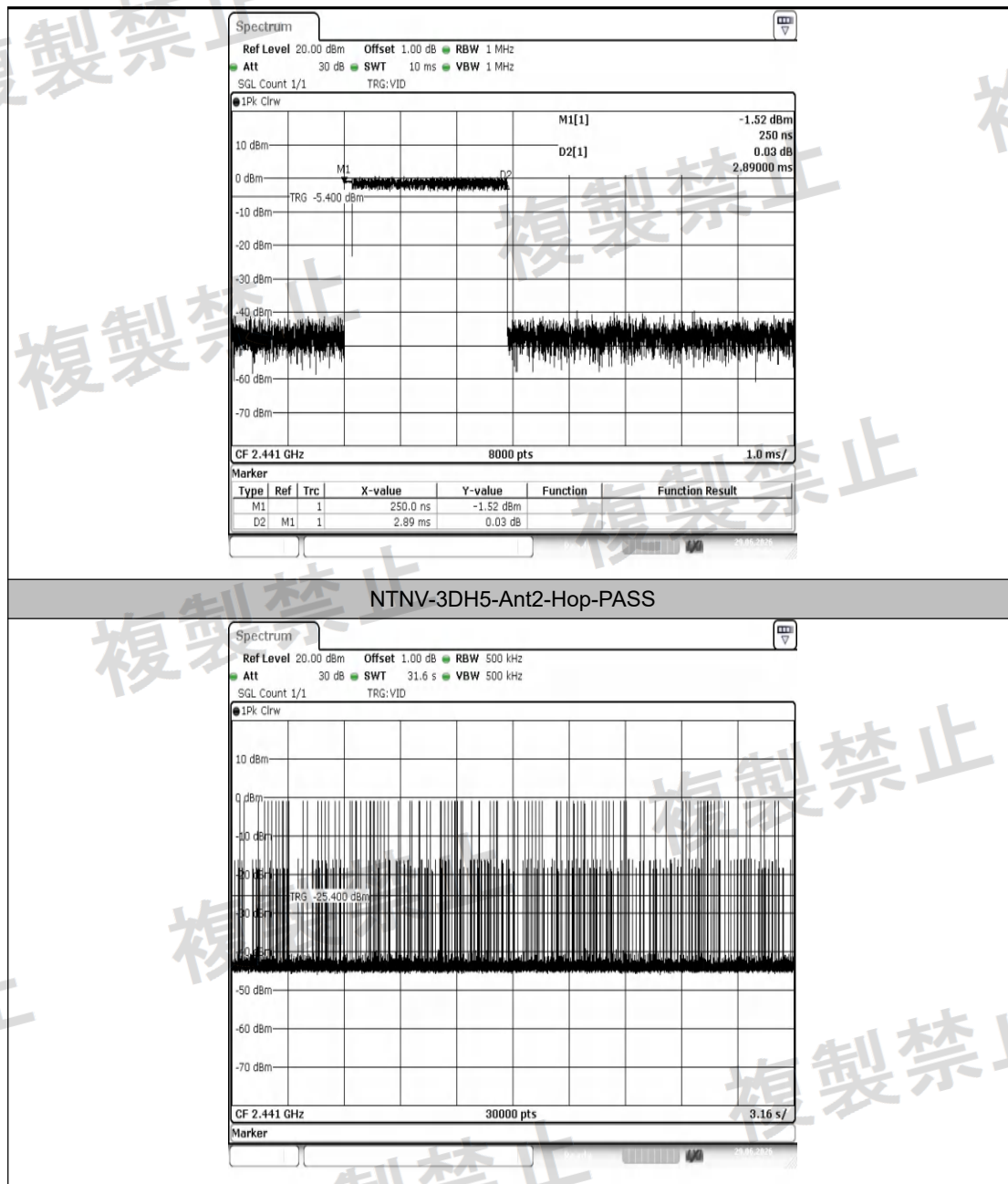
Test Condition	Test Mode	Antenna	Frequency [MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit [s]	Verdict
NTNV	DH5	Ant2	Hop	2.89	114	0.329	≤0.4	PASS
NTNV	2DH5	Ant2	Hop	2.89	101	0.292	≤0.4	PASS
NTNV	3DH5	Ant2	Hop	2.89	111	0.321	≤0.4	PASS



Test Graphs





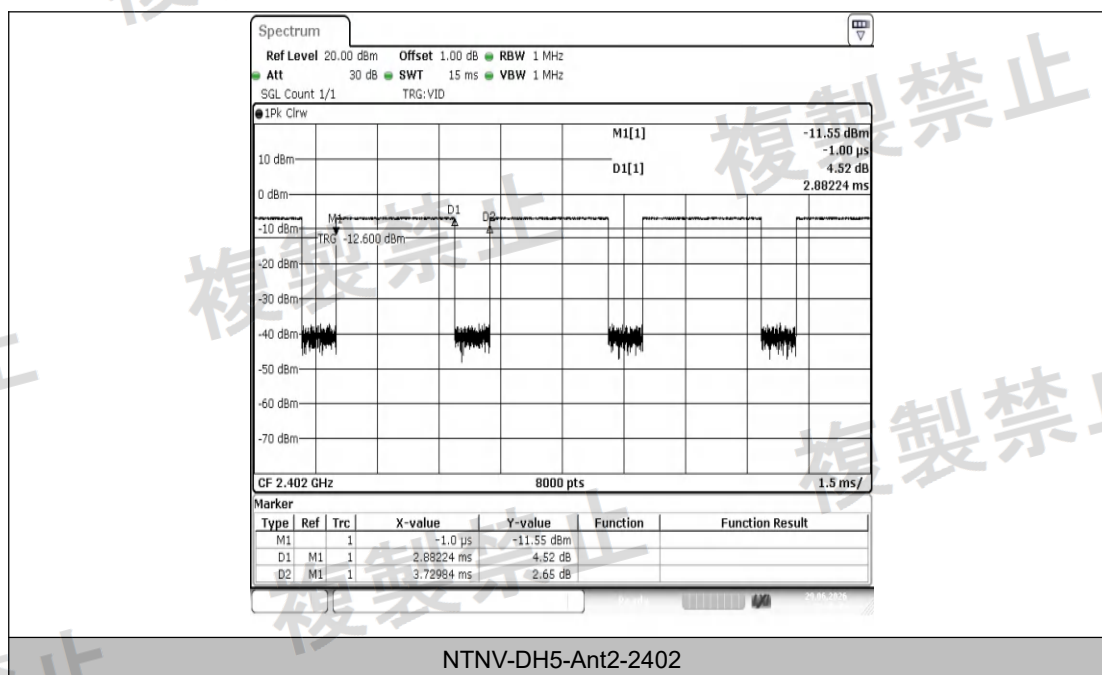


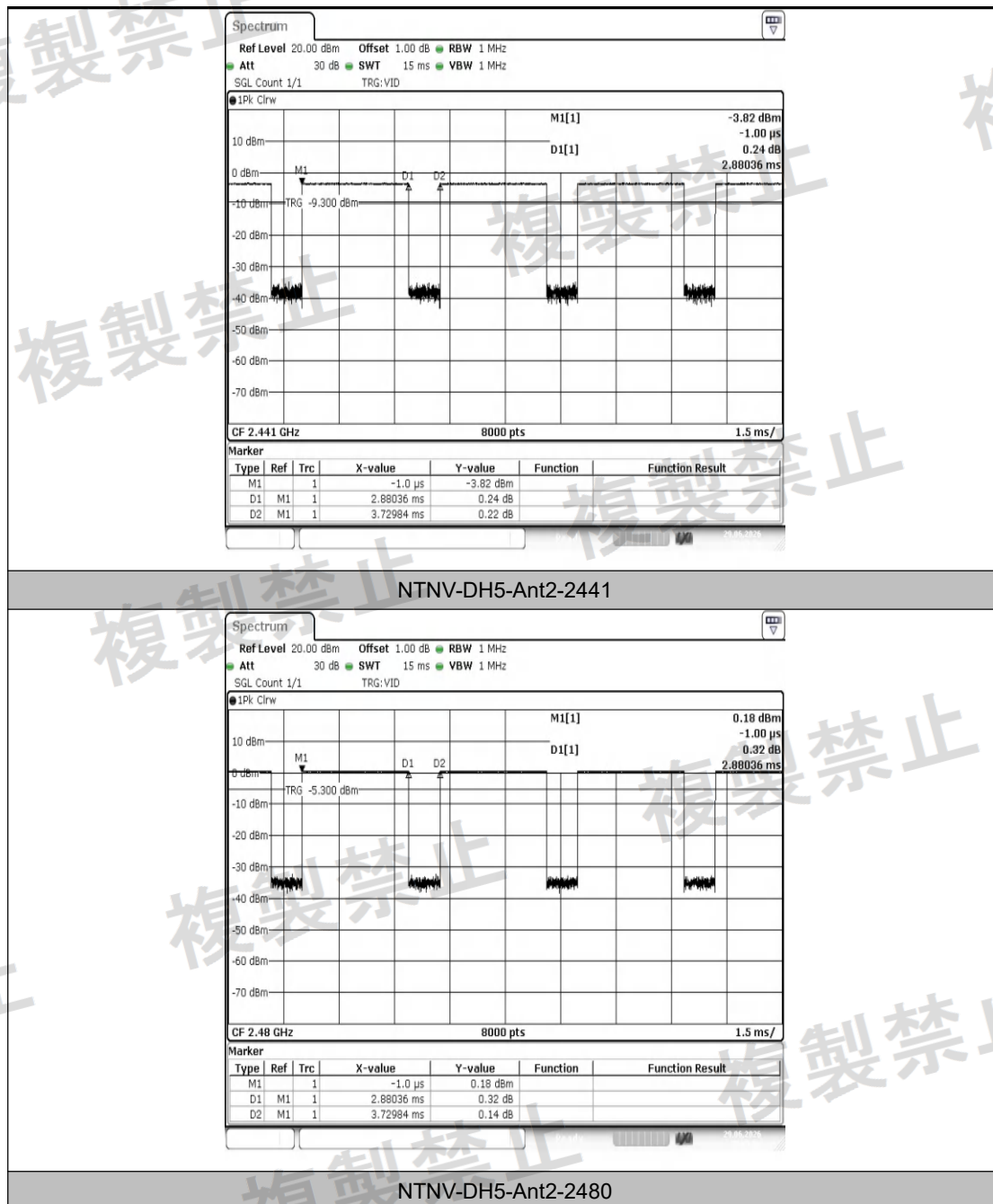
Appendix F: Duty Cycle

Test Result

Test Condition	Test Mode	Antenna	Frequency[MHz]	BurstWidth [ms]	Period [ms]	Result[%]
NTNV	DH5	Ant2	2402	2.88	3.73	77.21
NTNV	DH5	Ant2	2441	2.88	3.73	77.21
NTNV	DH5	Ant2	2480	2.88	3.73	77.21
NTNV	2DH5	Ant2	2402	2.88	3.73	77.21
NTNV	2DH5	Ant2	2441	2.88	3.73	77.21
NTNV	2DH5	Ant2	2480	2.88	3.74	77.01
NTNV	3DH5	Ant2	2402	2.89	3.74	77.27
NTNV	3DH5	Ant2	2441	2.88	3.73	77.21
NTNV	3DH5	Ant2	2480	2.88	3.73	77.21

Test Graphs











---End---

