

Appendix Test Data

Report No.:	1812C50556312501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-23	Finish Test Date:	2025-10-31
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	25.9°C	Relative Humidity:	51%
Pressure:	101kPa		

Appendix A: Frequency_Error

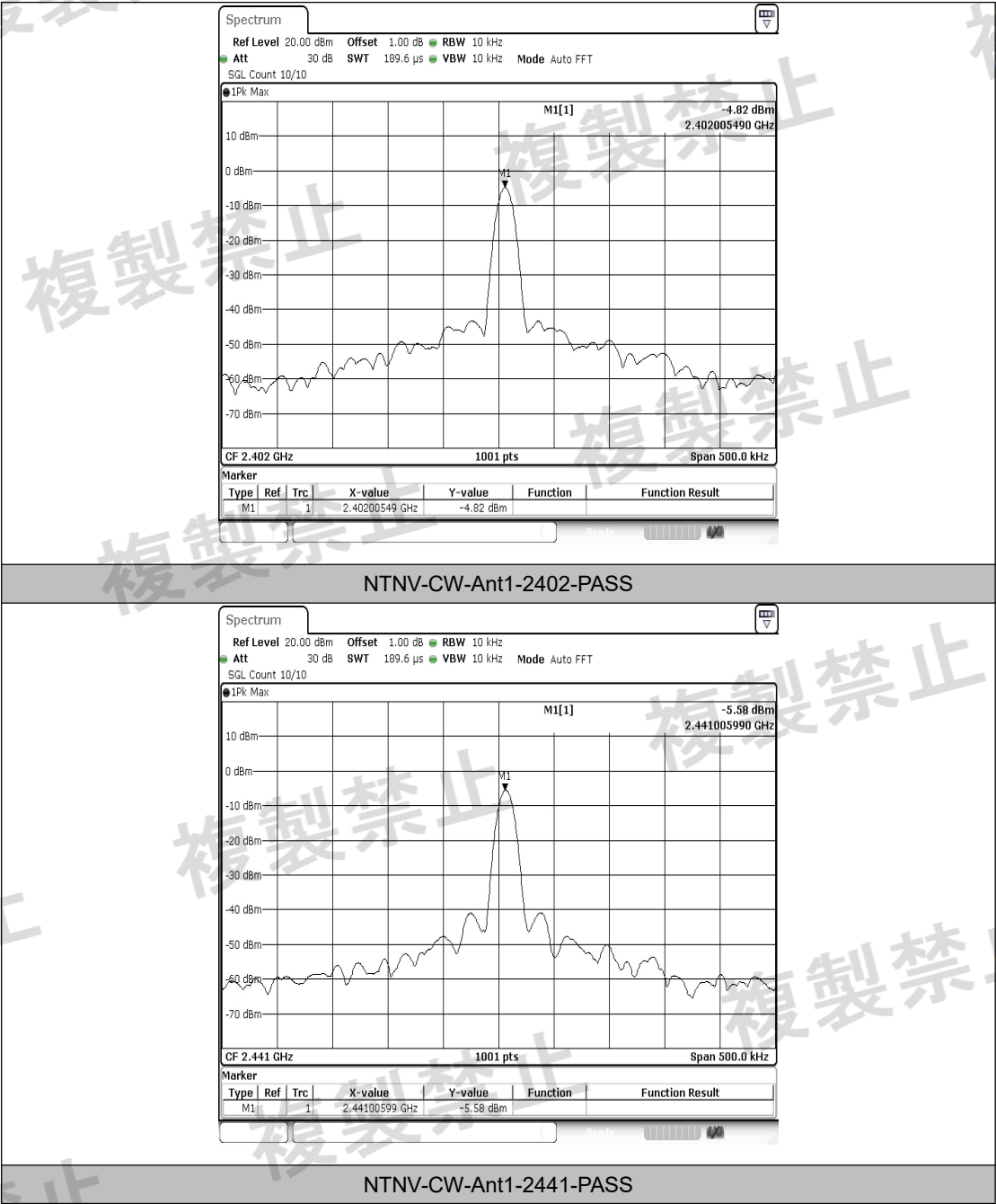
Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	Center Freq. [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	CW	Ant1	2402	2402.00549	2.28560	±50	PASS
NTNV	CW	Ant1	2441	2441.00599	2.45391	±50	PASS
NTNV	CW	Ant1	2480	2480.00649	2.61694	±50	PASS

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



Test Graphs

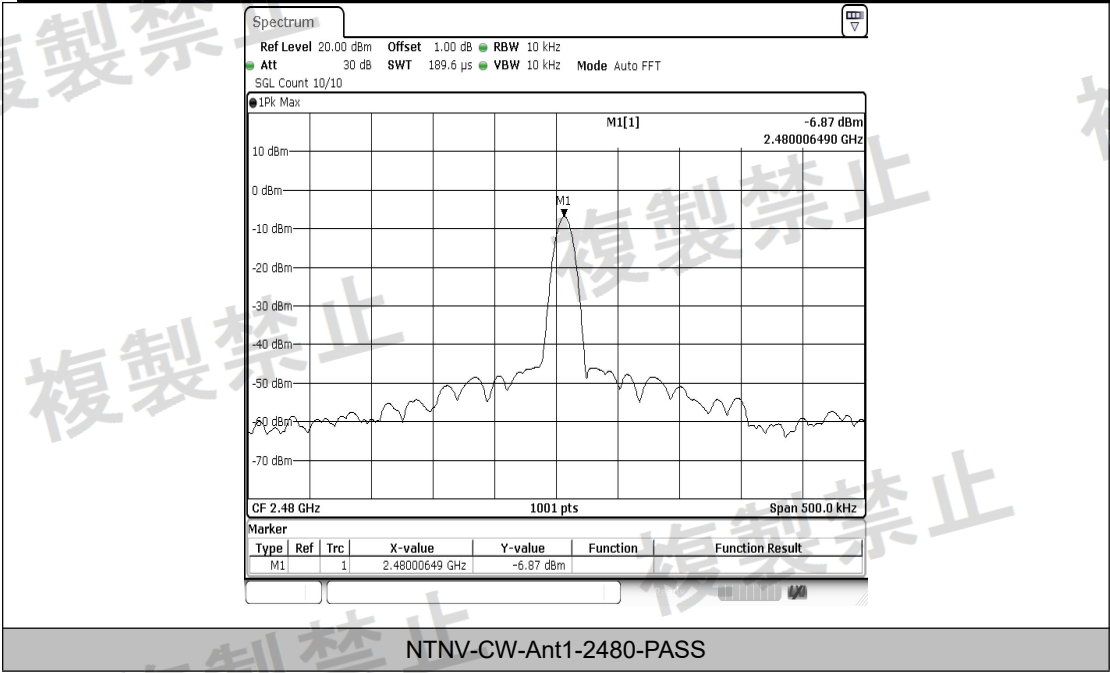


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Appendix B: Antenna Power

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	13.35	21.6272	71.129	0.3041	≤3	PASS

Note: 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	2.4G	Ant1	Hop	0.3041	1	-69.59	+20	PASS

Test Condition	Test Mode	Antenna	Frequency [MHz]	Power [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
NTNV	2.4G	Ant1	Hop	-5.17	-3.35	≤6.91	PASS

Note:

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

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



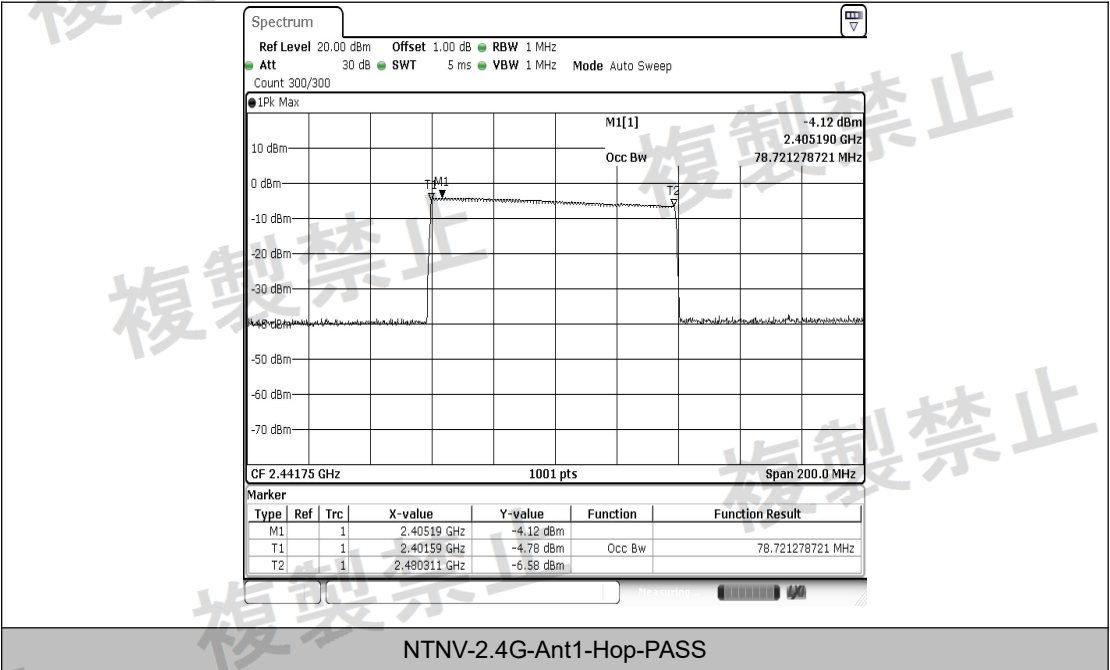


Appendix C: Occupied Bandwidth

Test Result

Test Condition	Test Mode	Antenna	Frequency[MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	2.4G	Ant1	Hop	78.721	≤83.5	PASS

Test Graphs

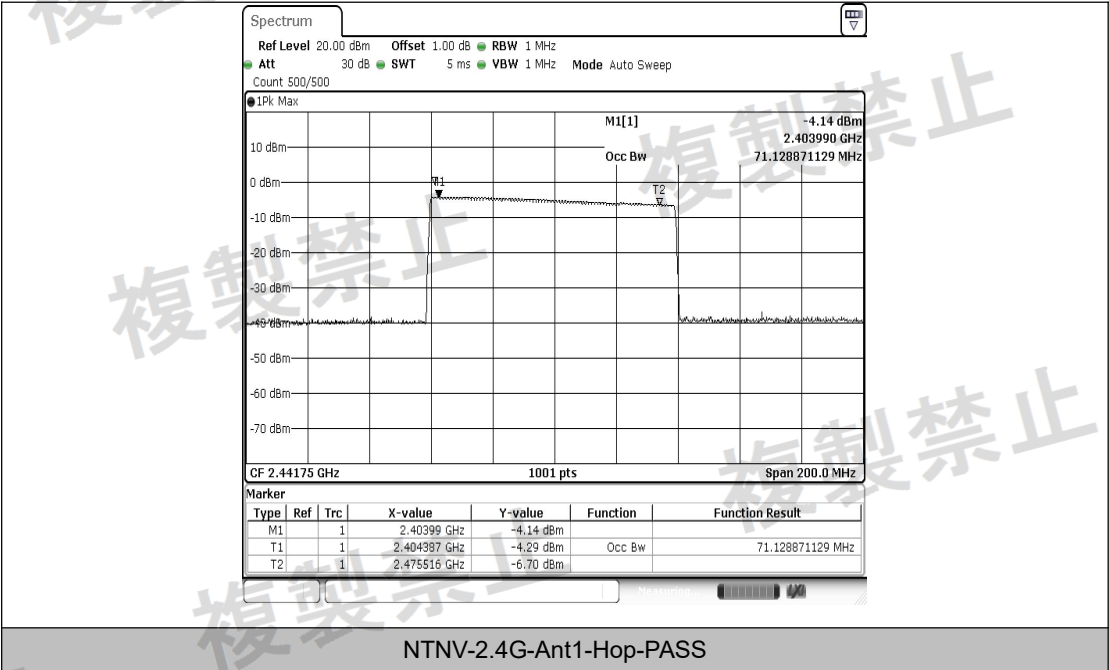


Appendix D: Spread Bandwidth

Test Result

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

Test Graphs



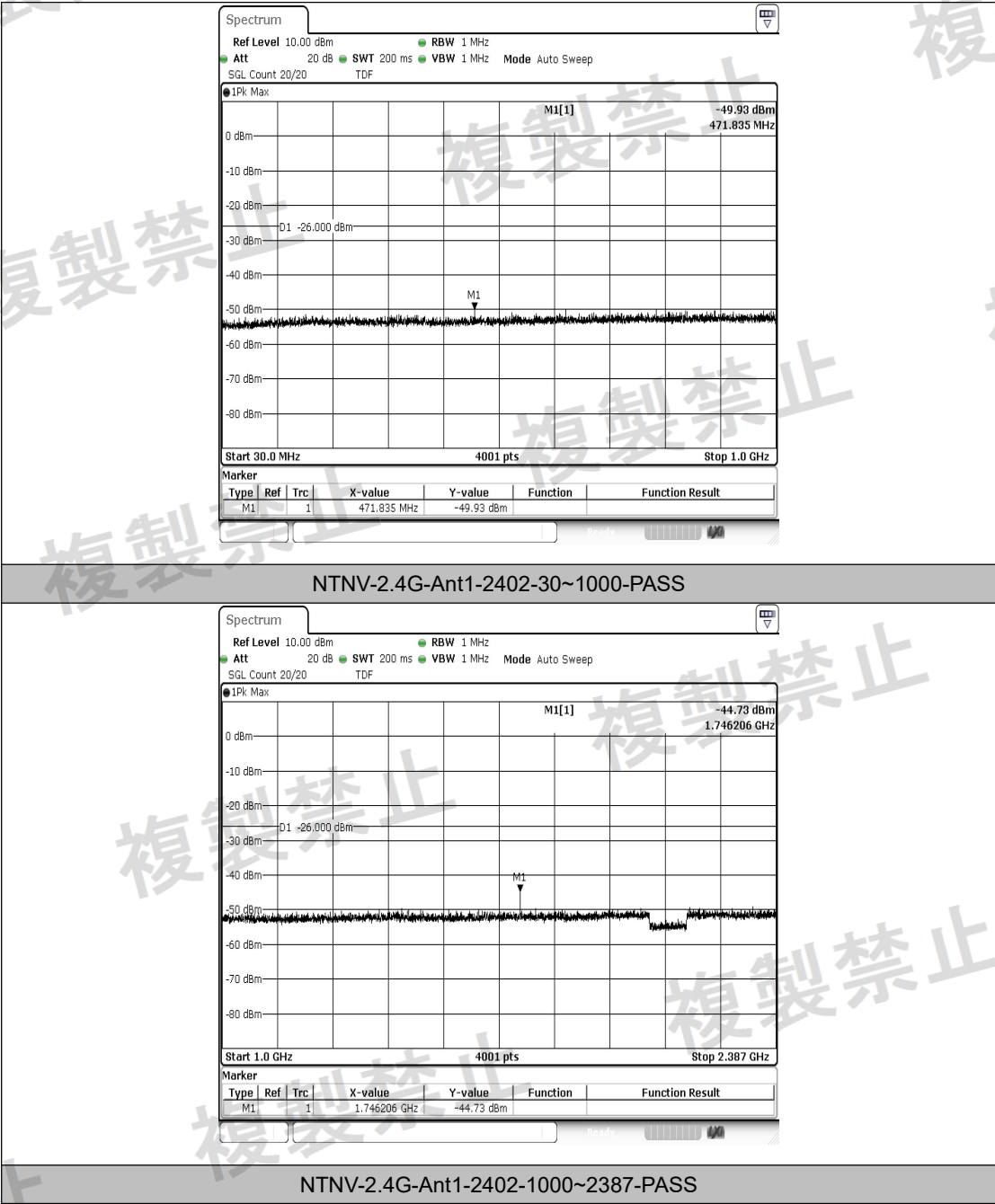
Appendix E: Spurious Emission of TX

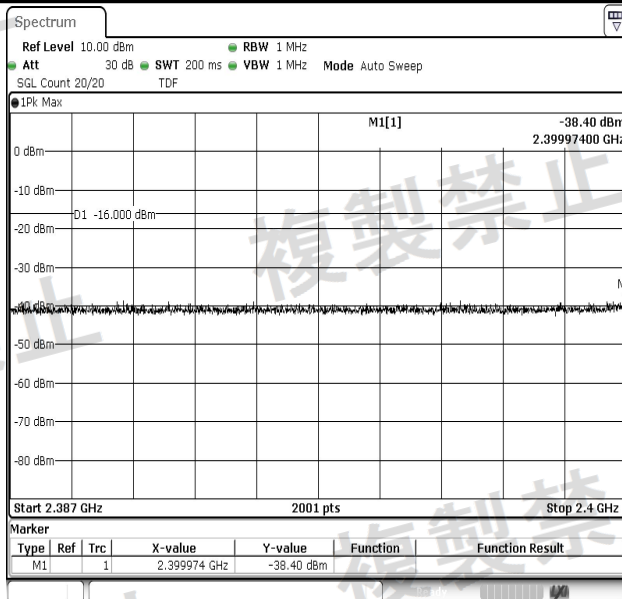
Test Result

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	471.84	-49.93	≤ -26	0.01016	≤ 2.5	PASS
NTNV	2.4G	Ant1	2402	1000~2387	1746.21	-44.73	≤ -26	0.03365	≤ 2.5	PASS
NTNV	2.4G	Ant1	2402	2387~2400	2399.97	-38.40	≤ -16	0.14454	≤ 25	PASS
NTNV	2.4G	Ant1	2402	2483.5~2496.5	2489.53	-38.53	≤ -16	0.14028	≤ 25	PASS
NTNV	2.4G	Ant1	2402	2496.5~13000	6890.11	-44.09	≤ -26	0.03899	≤ 2.5	PASS
NTNV	2.4G	Ant1	2441	30~1000	720.16	-49.69	≤ -26	0.01074	≤ 2.5	PASS
NTNV	2.4G	Ant1	2441	1000~2387	1763.54	-40.03	≤ -26	0.09931	≤ 2.5	PASS
NTNV	2.4G	Ant1	2441	2387~2400	2392.80	-38.26	≤ -16	0.14928	≤ 25	PASS
NTNV	2.4G	Ant1	2441	2483.5~2496.5	2494.06	-38.36	≤ -16	0.14588	≤ 25	PASS
NTNV	2.4G	Ant1	2441	2496.5~13000	6918.47	-43.80	≤ -26	0.04169	≤ 2.5	PASS
NTNV	2.4G	Ant1	2480	30~1000	843.83	-49.61	≤ -26	0.01094	≤ 2.5	PASS
NTNV	2.4G	Ant1	2480	1000~2387	2065.91	-48.87	≤ -26	0.01297	≤ 2.5	PASS
NTNV	2.4G	Ant1	2480	2387~2400	2399.52	-38.48	≤ -16	0.14191	≤ 25	PASS
NTNV	2.4G	Ant1	2480	2483.5~2496.5	2483.75	-38.33	≤ -16	0.14689	≤ 25	PASS
NTNV	2.4G	Ant1	2480	2496.5~13000	5746.28	-42.98	≤ -26	0.05035	≤ 2.5	PASS

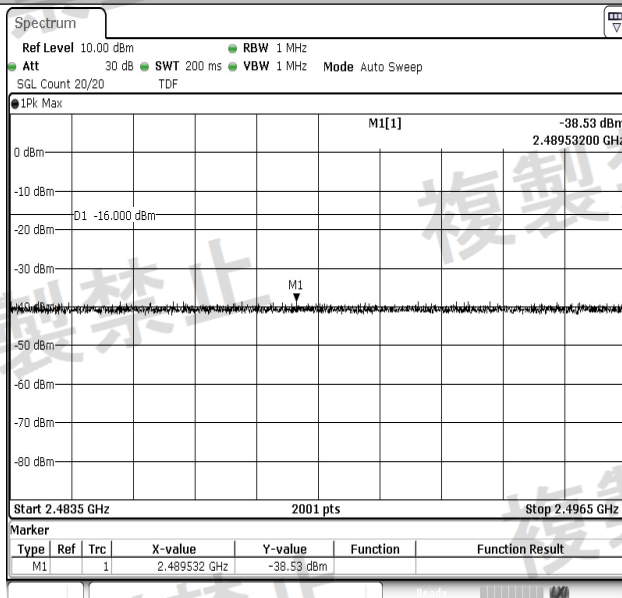


Test Graphs



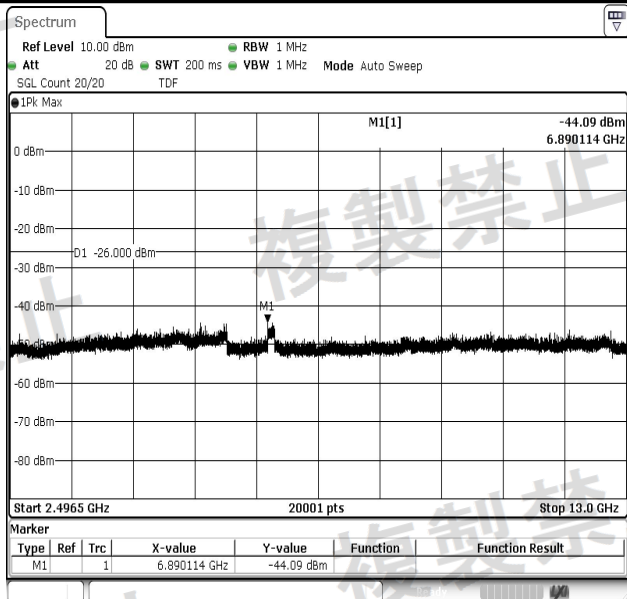


NTNV-2.4G-Ant1-2402-2387~2400-PASS

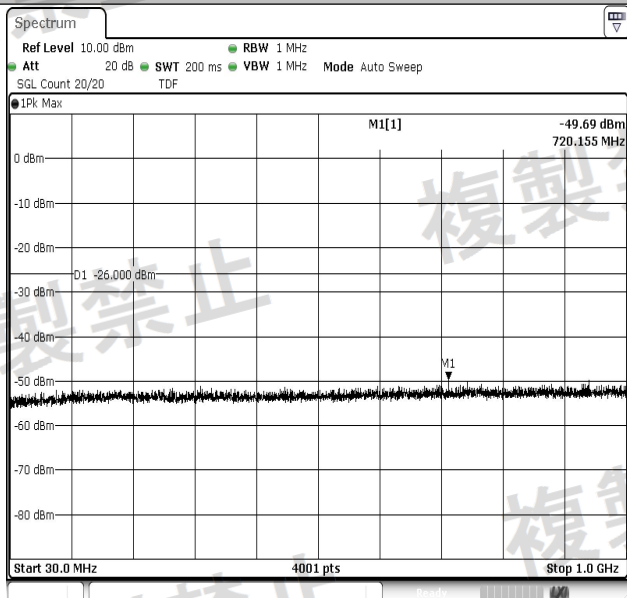


NTNV-2.4G-Ant1-2402-2483.5~2496.5-PASS



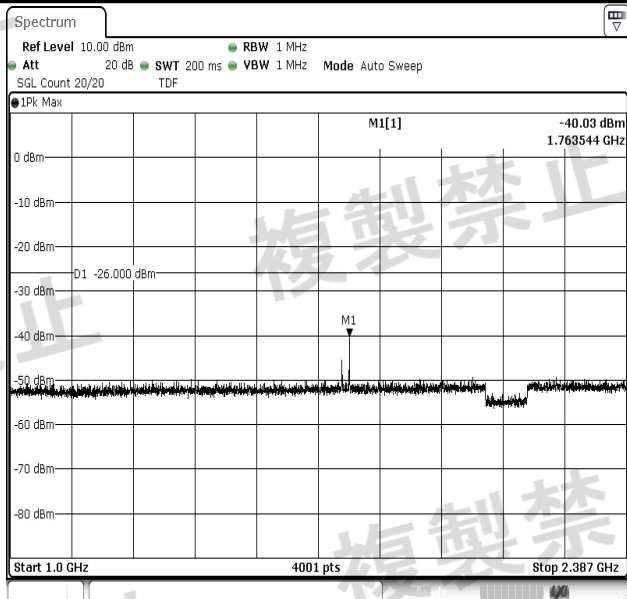


NTNV-2.4G-Ant1-2402-2496.5~13000-PASS

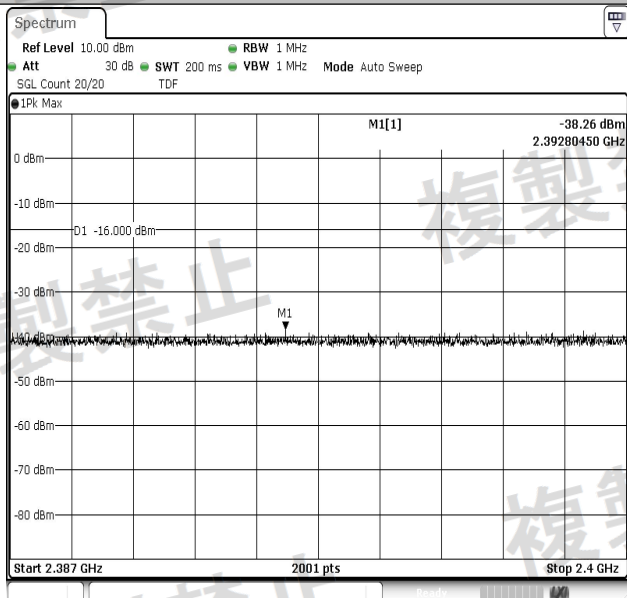


NTNV-2.4G-Ant1-2441-30~1000-PASS



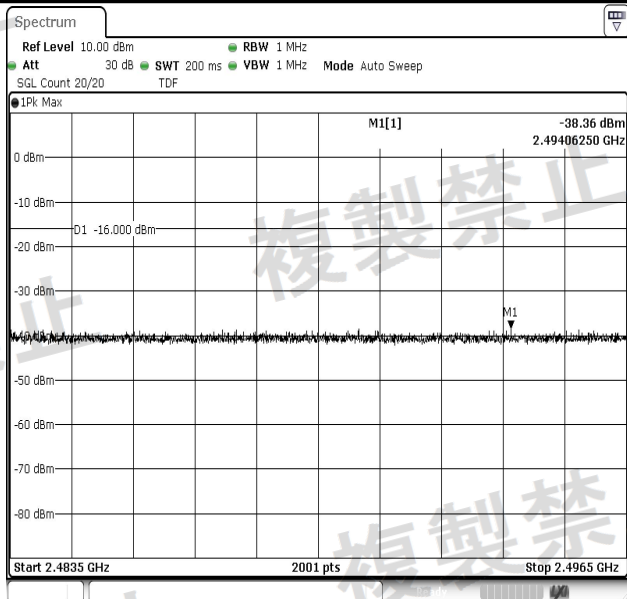


NTNV-2.4G-Ant1-2441-1000~2387-PASS

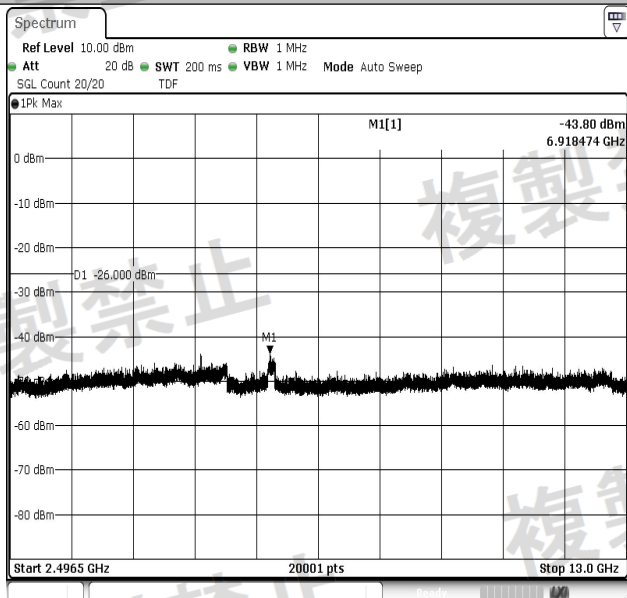


NTNV-2.4G-Ant1-2441-2387~2400-PASS



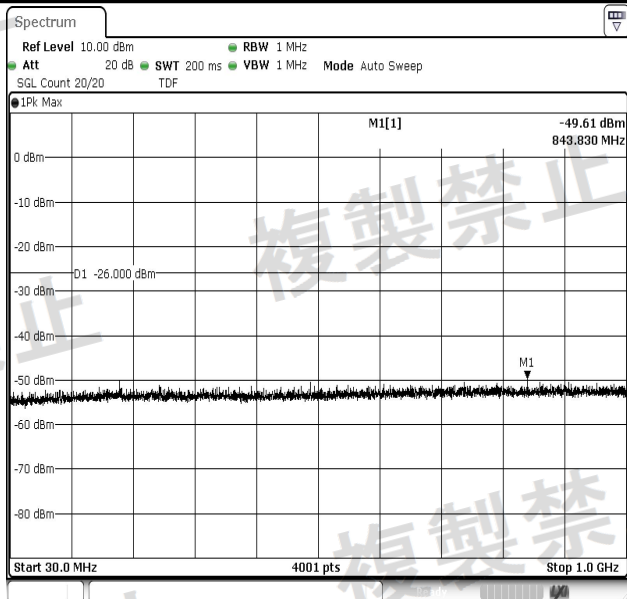


NTNV-2.4G-Ant1-2441-2483.5~2496.5-PASS

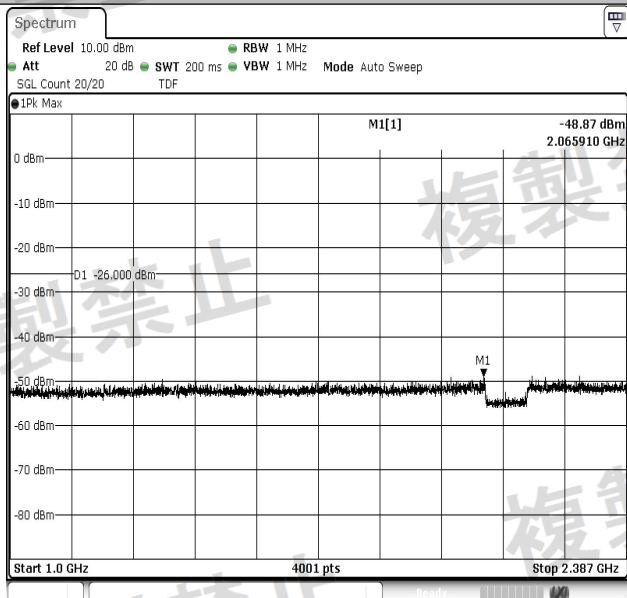


NTNV-2.4G-Ant1-2441-2496.5~13000-PASS



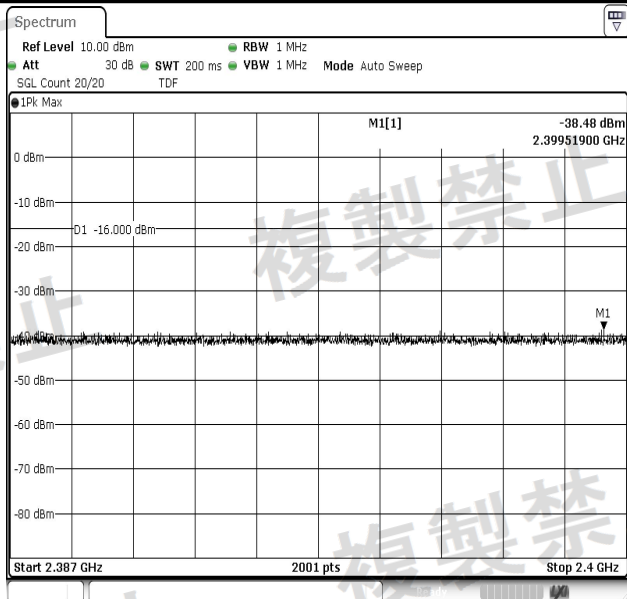


NTNV-2.4G-Ant1-2480-30~1000-PASS

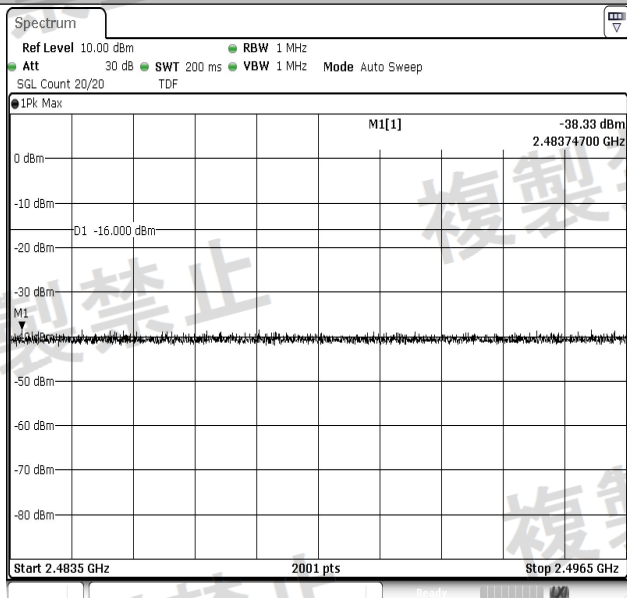


NTNV-2.4G-Ant1-2480-1000~2387-PASS



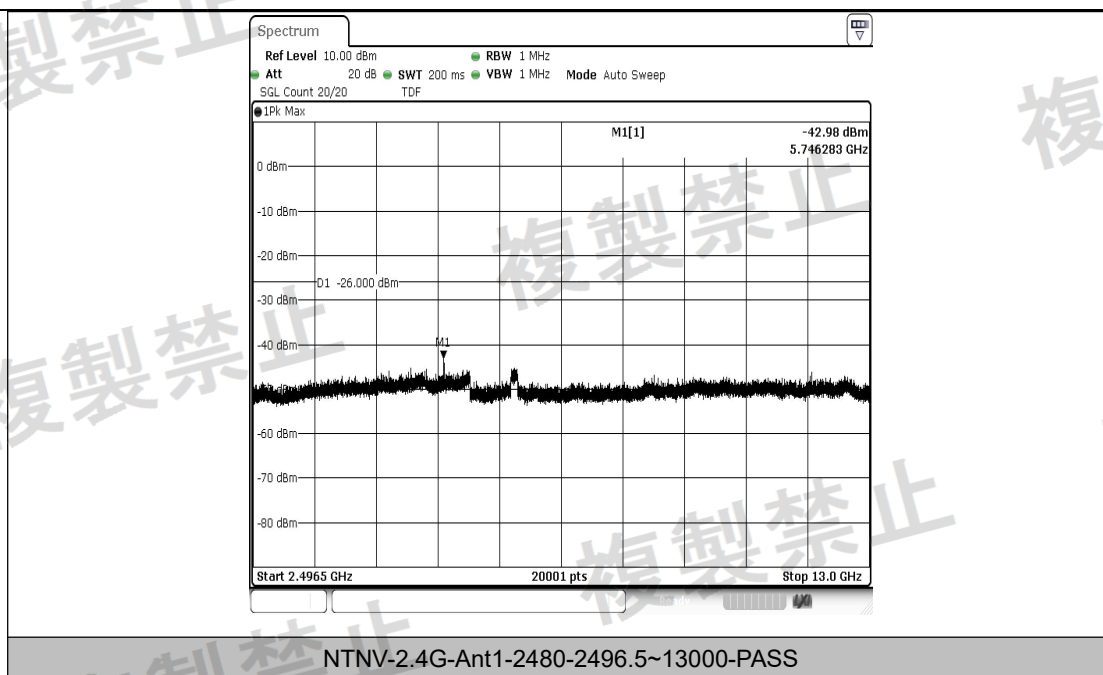


NTNV-2.4G-Ant1-2480-2387~2400-PASS



NTNV-2.4G-Ant1-2480-2483.5~2496.5-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	2.4G	Ant1	2402	30~1000	785.01	-81.45	≤-54	0.00716	≤4	PASS
NTNV	2.4G	Ant1	2402	1000~12500	6954.11	-66.44	≤-47	0.22699	≤20	PASS
NTNV	2.4G	Ant1	2441	30~1000	681.76	-82.25	≤-54	0.00596	≤4	PASS
NTNV	2.4G	Ant1	2441	1000~12500	6911.57	-65.14	≤-47	0.30620	≤20	PASS
NTNV	2.4G	Ant1	2480	30~1000	978.43	-81.74	≤-54	0.00670	≤4	PASS
NTNV	2.4G	Ant1	2480	1000~12500	6937.44	-65.32	≤-47	0.29376	≤20	PASS

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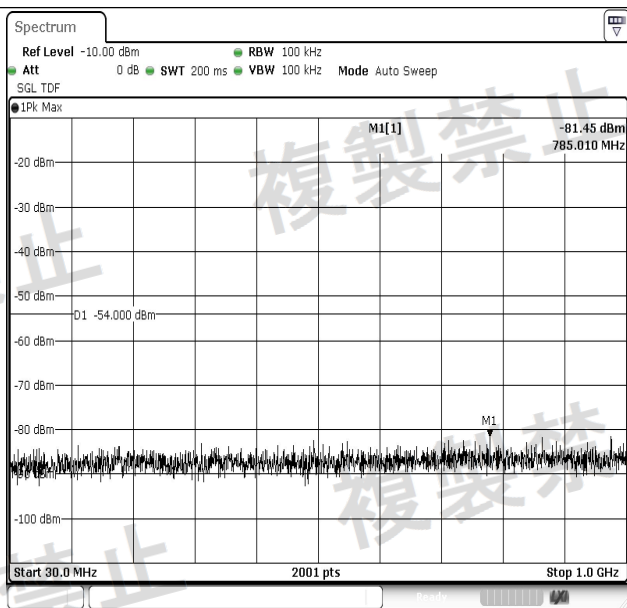
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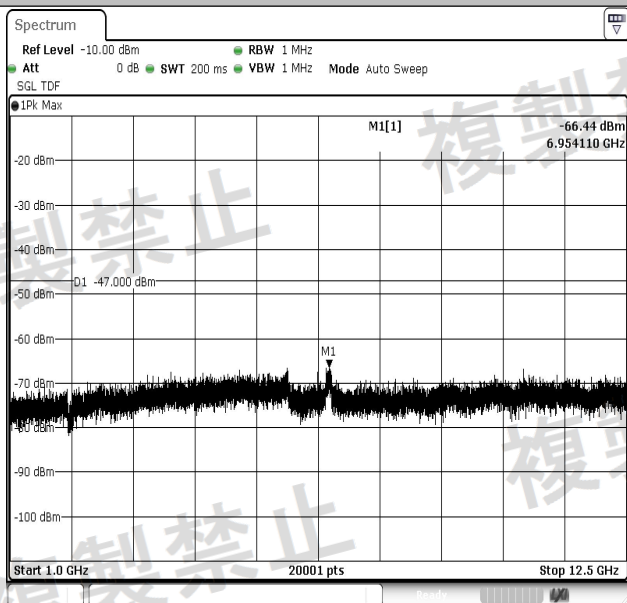
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Test Graphs

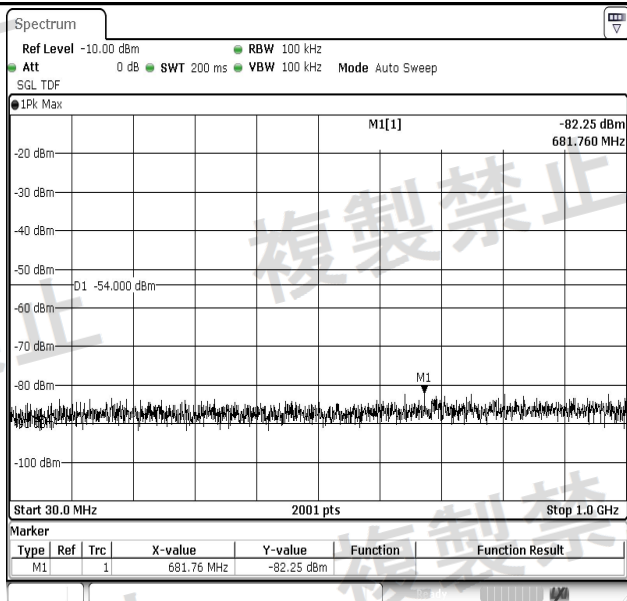


NTNV-2.4G-Ant1-2402-30~1000-PASS

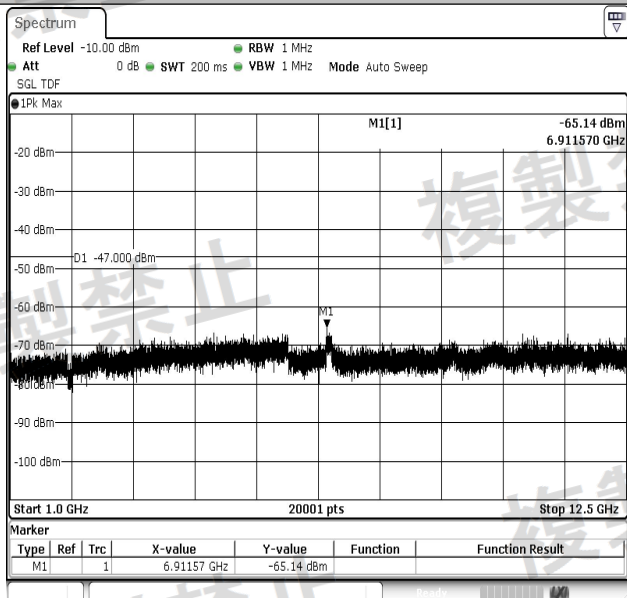


NTNV-2.4G-Ant1-2402-1000~12500-PASS



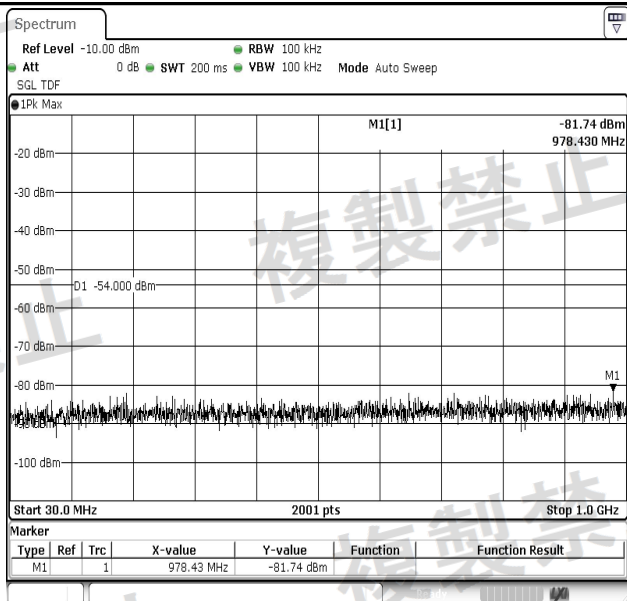


NTNV-2.4G-Ant1-2441-30~1000-PASS

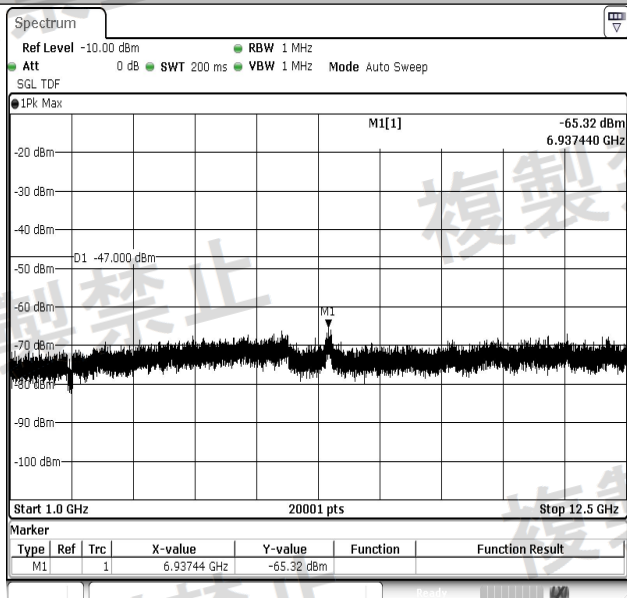


NTNV-2.4G-Ant1-2441-1000~12500-PASS





NTNV-2.4G-Ant1-2480-30~1000-PASS



NTNV-2.4G-Ant1-2480-1000~12500-PASS

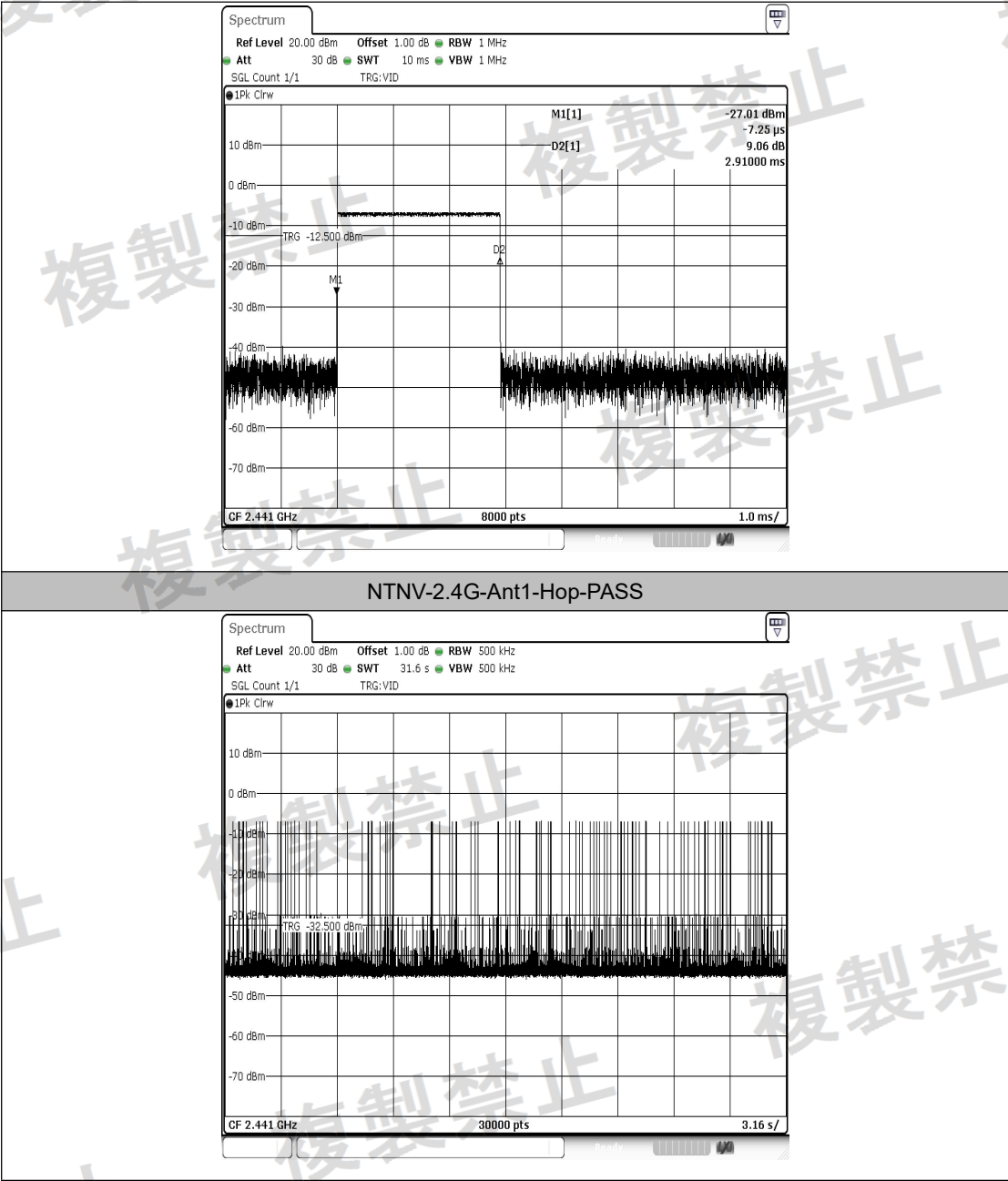


Appendix G: Dwell Time

Test Result

Test Condition	Test Mode	Antenna	Frequen cy[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit [s]	Verdict
NTNV	2.4G	Ant1	Hop	2.91	97	0.282	≤0.4	PASS

Test Graphs



---End---

