

Case No. : <u>GTS20251202007-1-02</u>
Ambient Condition: <u>23℃,49%RH, Atmos100.1Kpa,</u>
Test Date: <u>2025.12.19-2026.01.12</u> Test Engineer: <u>Evan ouyang</u>

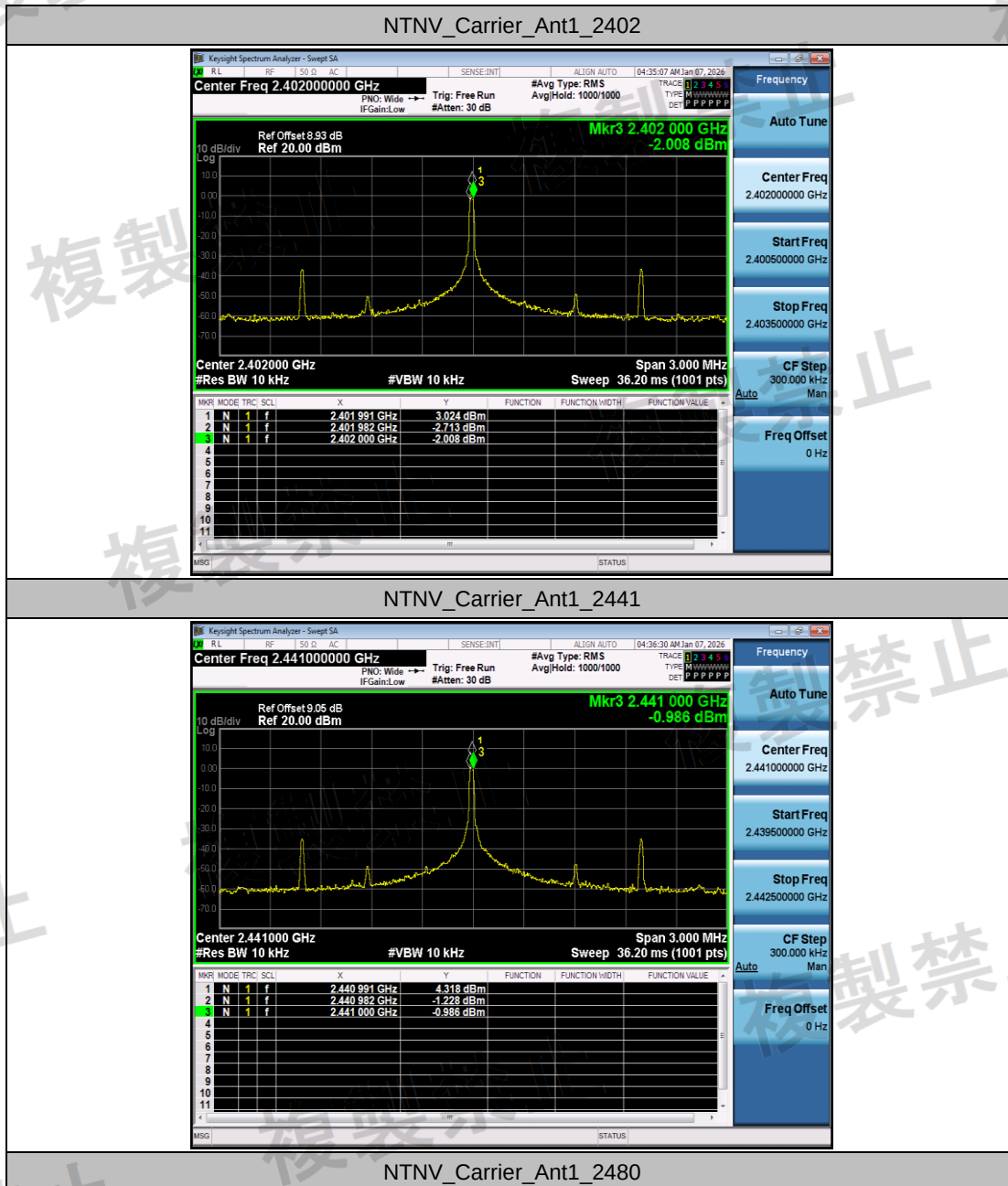
Appendix B.1: Frequency_Error

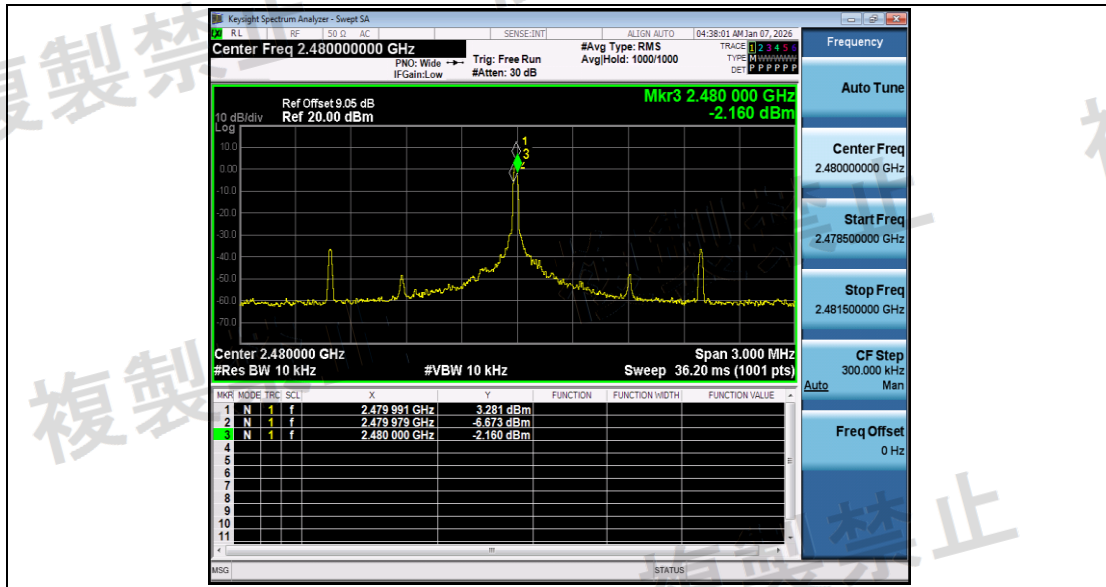
Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	CenterFreq [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	Carrier	Ant1	2402	2401.991	-3.74688	±50	PASS
			2441	2440.991	-3.68701	±50	PASS
			2480	2479.9895	-4.23387	±50	PASS

Note:Result[ppm]= (CenterFreq - Channel)/Channel*1000000

Test Graphs



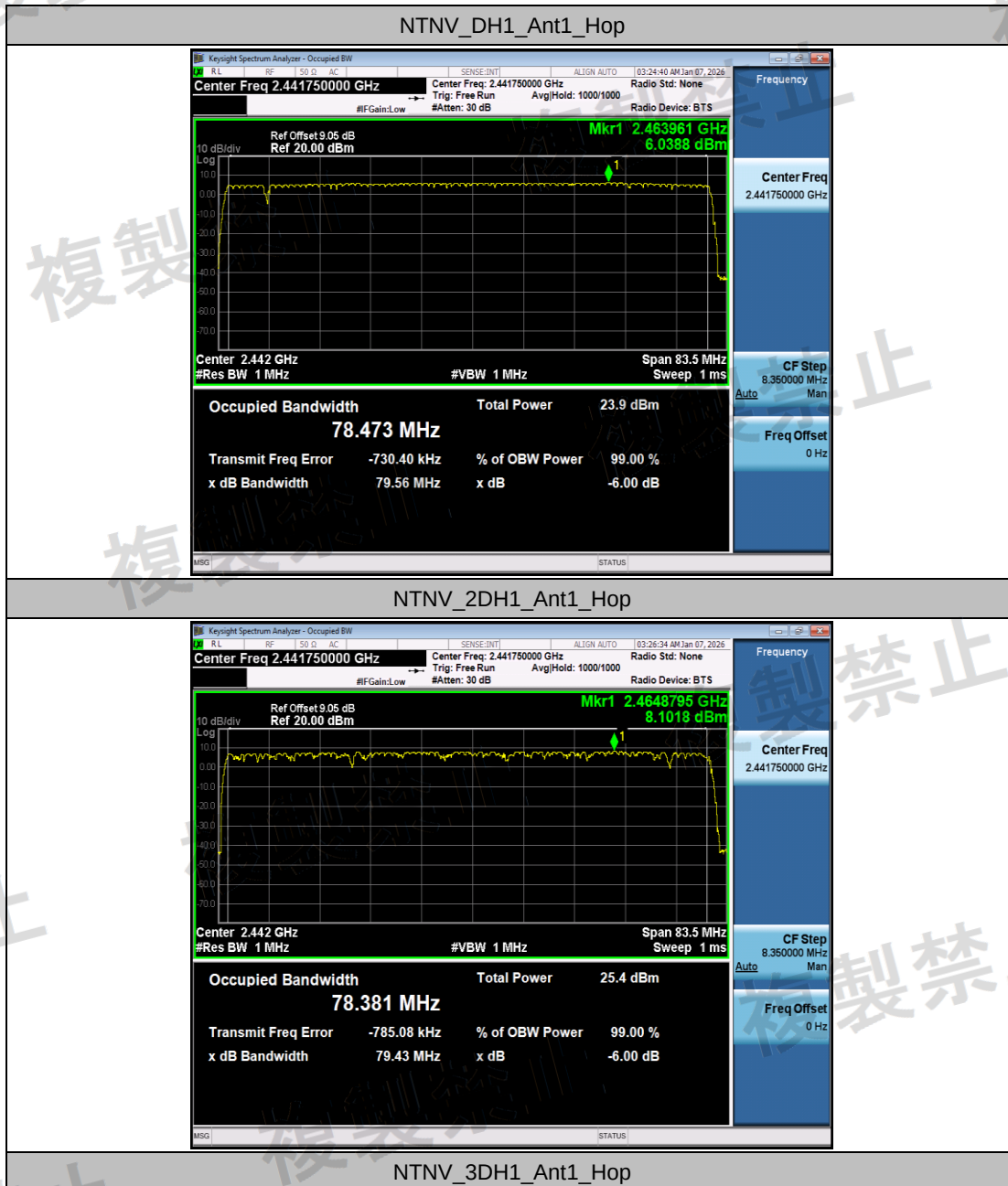


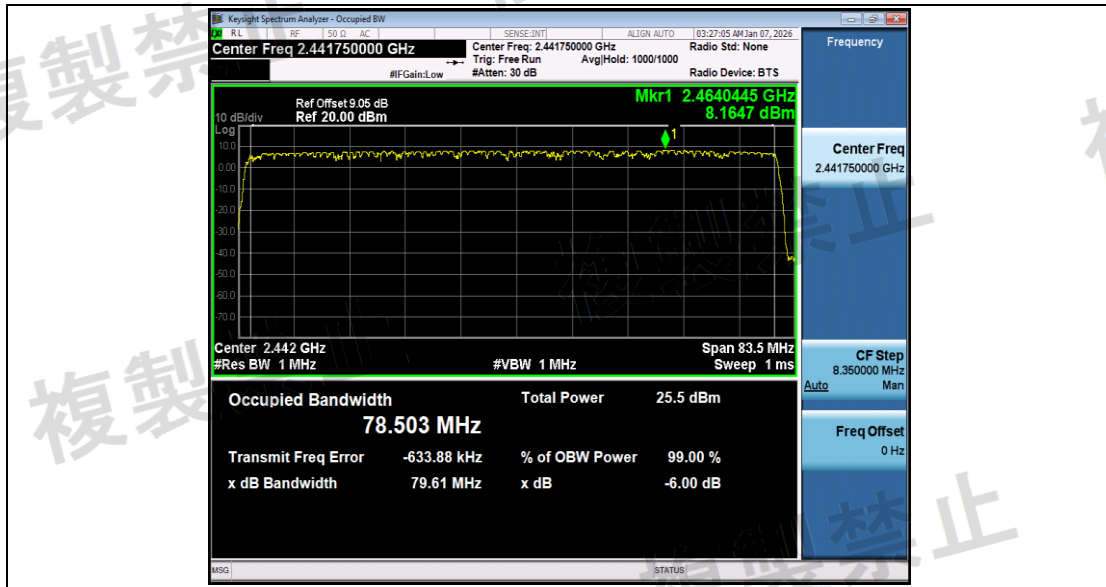
Appendix B.2: Occupied Bandwidth

Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	DH1	Ant1	Hop	78.473	≤83.5	PASS
	2DH1	Ant1	Hop	78.381	≤83.5	PASS
	3DH1	Ant1	Hop	78.503	≤83.5	PASS

Test Graphs



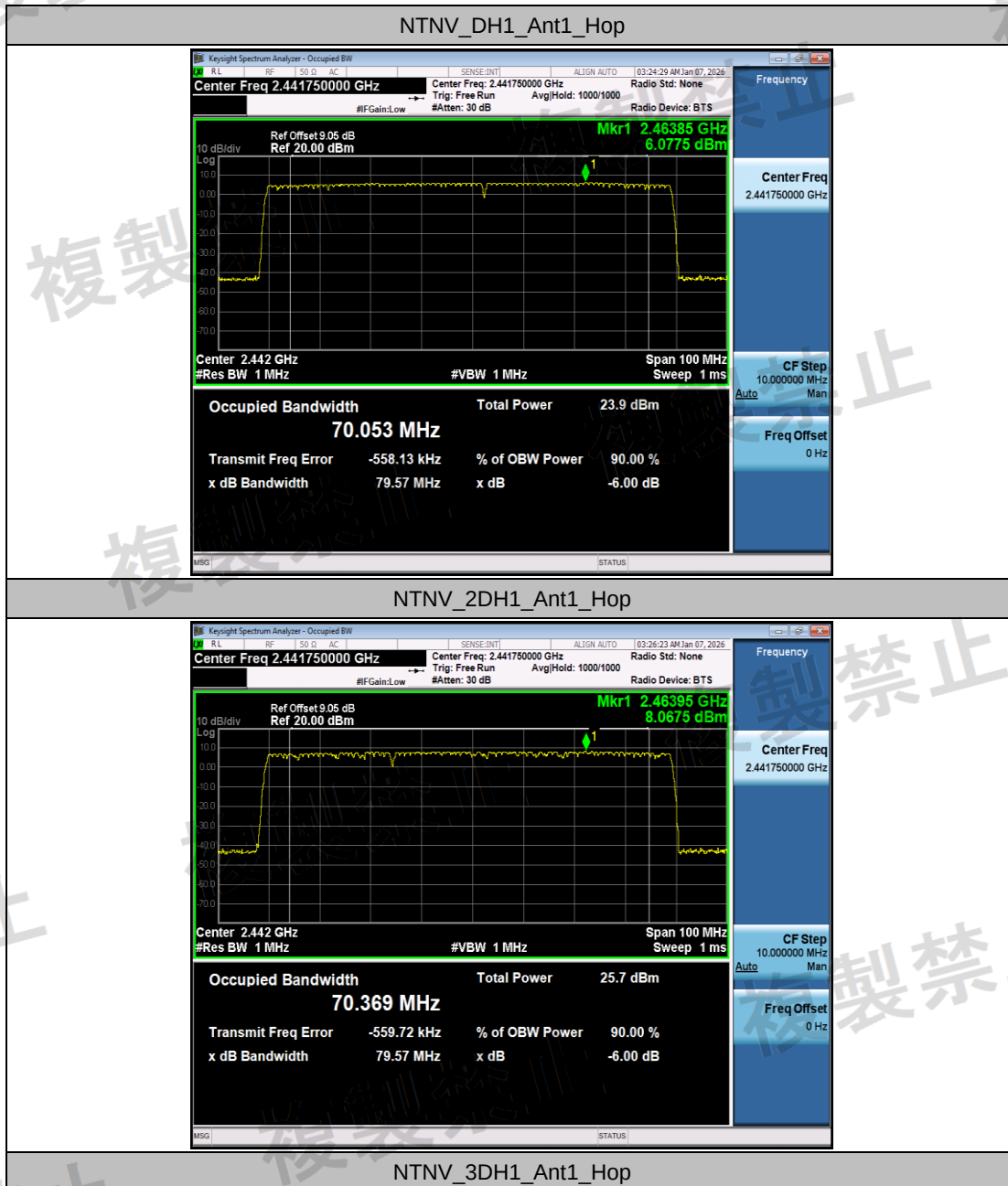


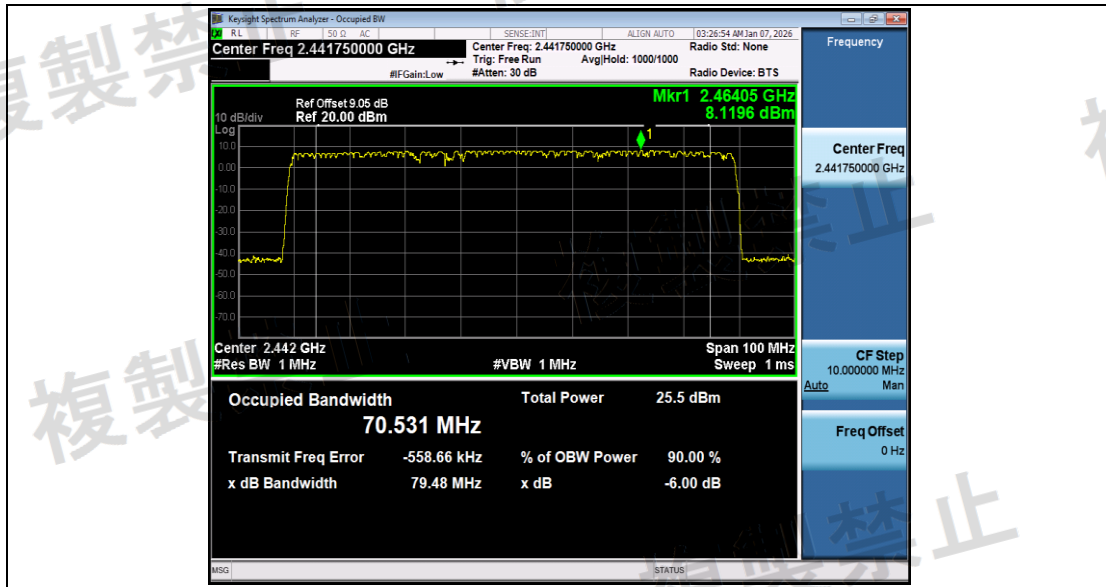
Appendix B.3: Spread Bandwidth

Test Result

Test Condition	Test Mode	Antenna	Frequency[MHz]	Result [MHz]	Verdict
NTNV	DH1	Ant1	Hop	70.053	PASS
	2DH1	Ant1	Hop	70.369	PASS
	3DH1	Ant1	Hop	70.531	PASS

Test Graphs





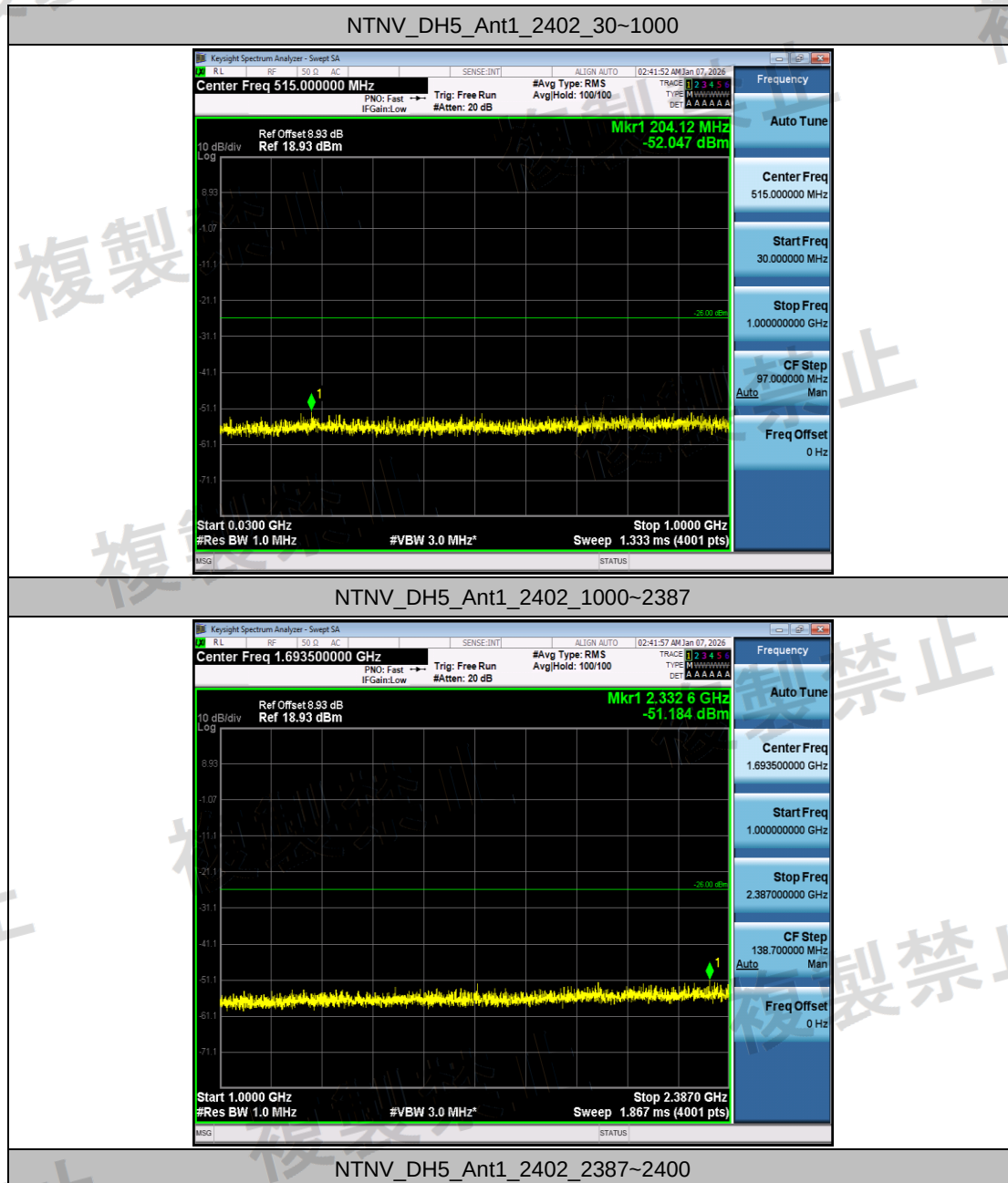
Appendix B.4:Spurious Emission of TX

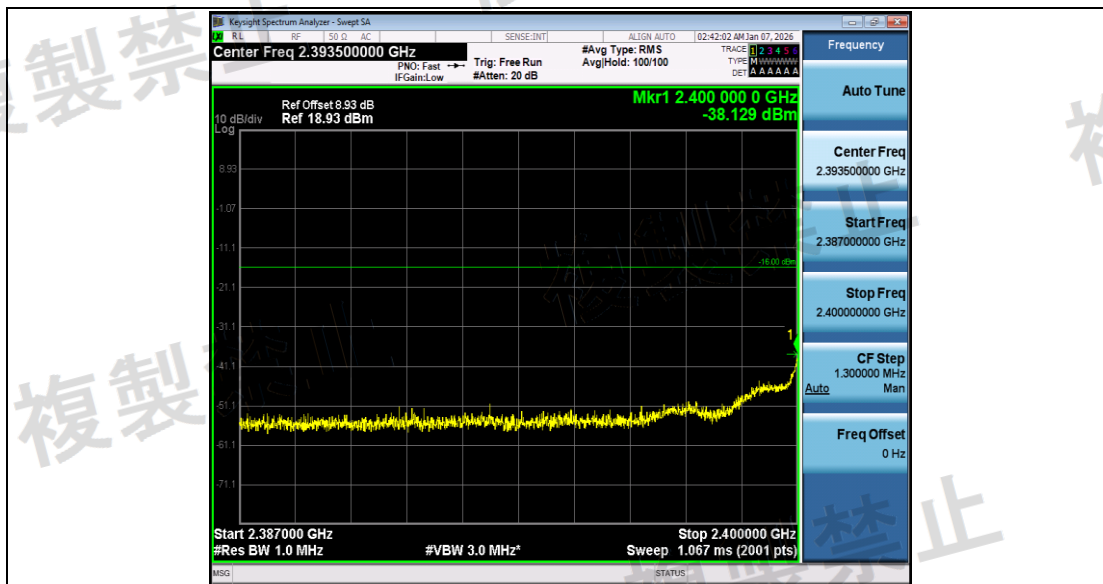
Test Result

TestCondition	TestMode	Antenna	Frequency [MHz]	Freq.Range [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTNV	DH5	Ant1	2402	30~1000	-52.05	≤-26	0.00624	≤2.5	PASS
				1000~2387	-51.18	≤-26	0.00762	≤2.5	PASS
				2387~2400	-38.13	≤-16	0.15382	≤25	PASS
				2483.5~2496.5	-51.69	≤-16	0.00678	≤25	PASS
				2496.5~13000	-49.36	≤-26	0.01159	≤2.5	PASS
			2441	30~1000	-51.67	≤-26	0.00681	≤2.5	PASS
				1000~2387	-50.83	≤-26	0.00826	≤2.5	PASS
				2387~2400	-52.14	≤-16	0.00611	≤25	PASS
				2483.5~2496.5	-51.54	≤-16	0.00701	≤25	PASS
				2496.5~13000	-48.82	≤-26	0.01312	≤2.5	PASS
			2480	30~1000	-51.40	≤-26	0.00724	≤2.5	PASS
				1000~2387	-51.60	≤-26	0.00692	≤2.5	PASS
				2387~2400	-52.47	≤-16	0.00566	≤25	PASS
				2483.5~2496.5	-49.28	≤-16	0.01180	≤25	PASS
				2496.5~13000	-48.68	≤-26	0.01355	≤2.5	PASS
	2DH5	Ant1	2402	30~1000	-51.80	≤-26	0.00661	≤2.5	PASS
				1000~2387	-50.97	≤-26	0.00800	≤2.5	PASS
				2387~2400	-30.67	≤-16	0.85704	≤25	PASS
				2483.5~2496.5	-52.20	≤-16	0.00603	≤25	PASS
				2496.5~13000	-48.49	≤-26	0.01416	≤2.5	PASS
			2441	30~1000	-50.21	≤-26	0.00953	≤2.5	PASS
				1000~2387	-51.38	≤-26	0.00728	≤2.5	PASS
				2387~2400	-52.42	≤-16	0.00573	≤25	PASS
				2483.5~2496.5	-51.48	≤-16	0.00711	≤25	PASS
				2496.5~13000	-48.62	≤-26	0.01374	≤2.5	PASS
			2480	30~1000	-51.12	≤-26	0.00773	≤2.5	PASS
				1000~2387	-51.75	≤-26	0.00668	≤2.5	PASS
				2387~2400	-51.64	≤-16	0.00685	≤25	PASS
				2483.5~2496.5	-49.34	≤-16	0.01164	≤25	PASS
				2496.5~13000	-48.75	≤-26	0.01334	≤2.5	PASS
	3DH5	Ant1	2402	30~1000	-51.11	≤-26	0.00774	≤2.5	PASS
				1000~2387	-51.95	≤-26	0.00638	≤2.5	PASS
				2387~2400	-31.08	≤-16	0.77983	≤25	PASS
				2483.5~2496.5	-51.22	≤-16	0.00755	≤25	PASS

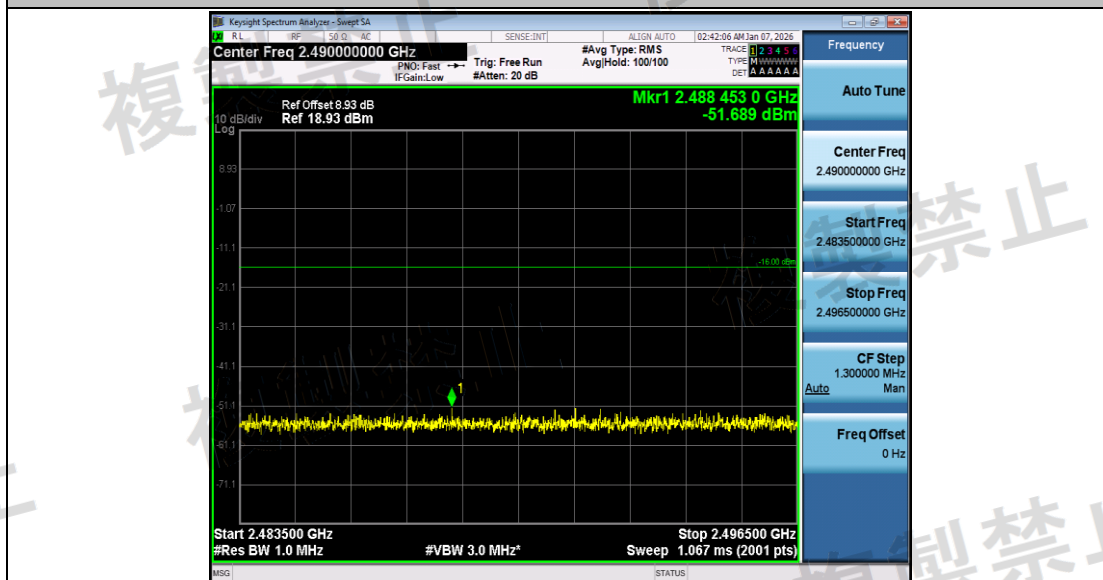
				2496.5~13000	-49.10	≤ -26	0.01230	≤ 2.5	PASS
			2441	30~1000	-50.53	≤ -26	0.00885	≤ 2.5	PASS
				1000~2387	-50.60	≤ -26	0.00871	≤ 2.5	PASS
				2387~2400	-51.89	≤ -16	0.00647	≤ 25	PASS
				2483.5~2496.5	-51.50	≤ -16	0.00708	≤ 25	PASS
				2496.5~13000	-47.71	≤ -26	0.01694	≤ 2.5	PASS
			2480	30~1000	-51.72	≤ -26	0.00673	≤ 2.5	PASS
				1000~2387	-51.83	≤ -26	0.00656	≤ 2.5	PASS
				2387~2400	-51.44	≤ -16	0.00718	≤ 25	PASS
				2483.5~2496.5	-48.84	≤ -16	0.01306	≤ 25	PASS
				2496.5~13000	-48.20	≤ -26	0.01514	≤ 2.5	PASS

Test Graphs

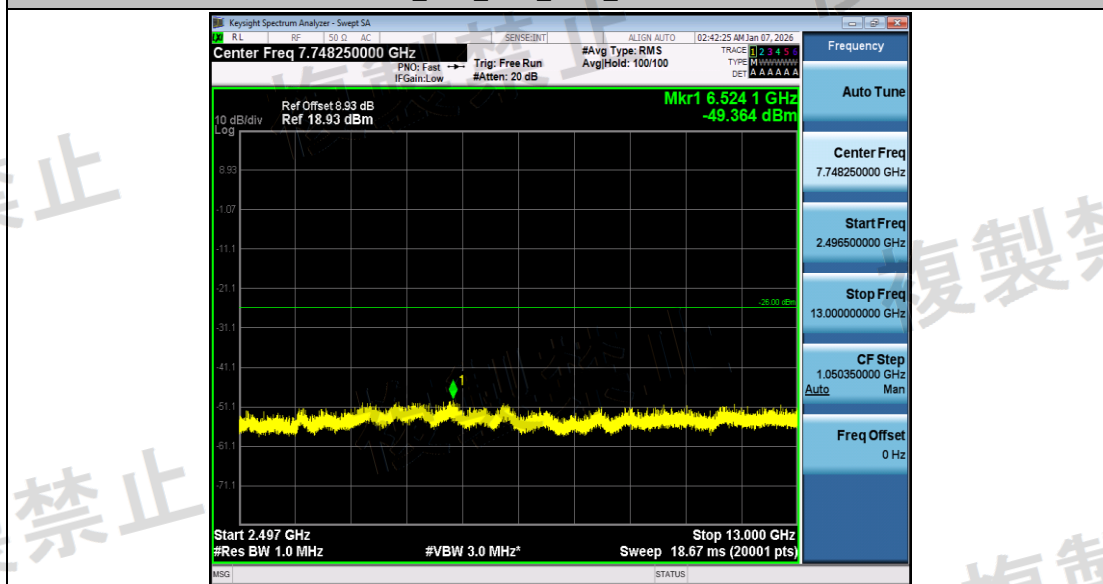


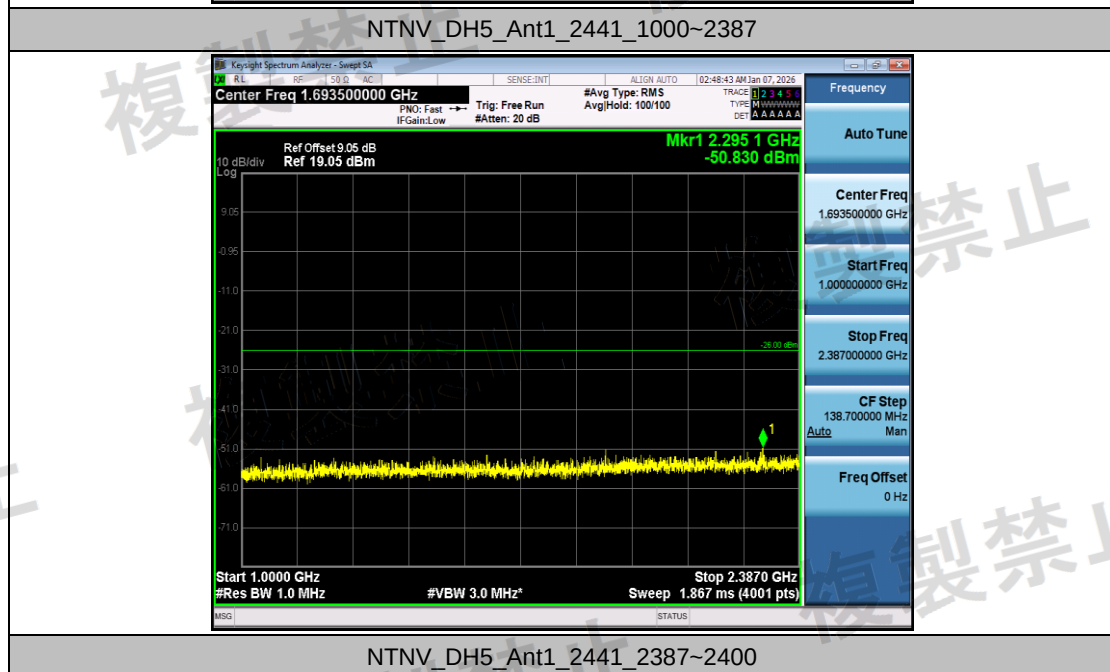
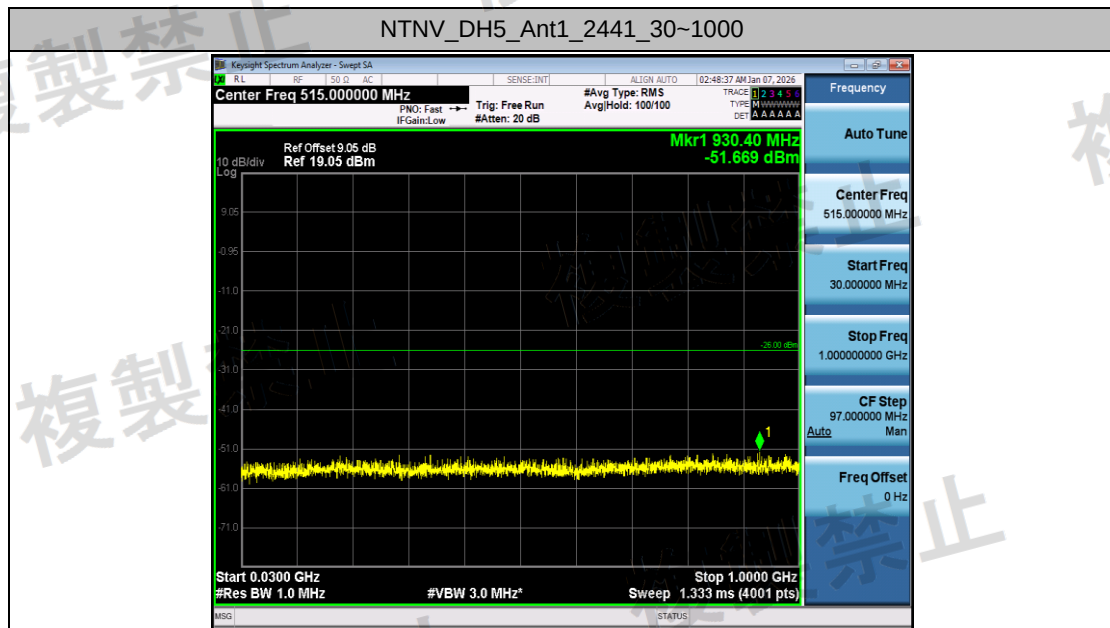


NTNV_DH5_Ant1_2402_2483.5~2496.5

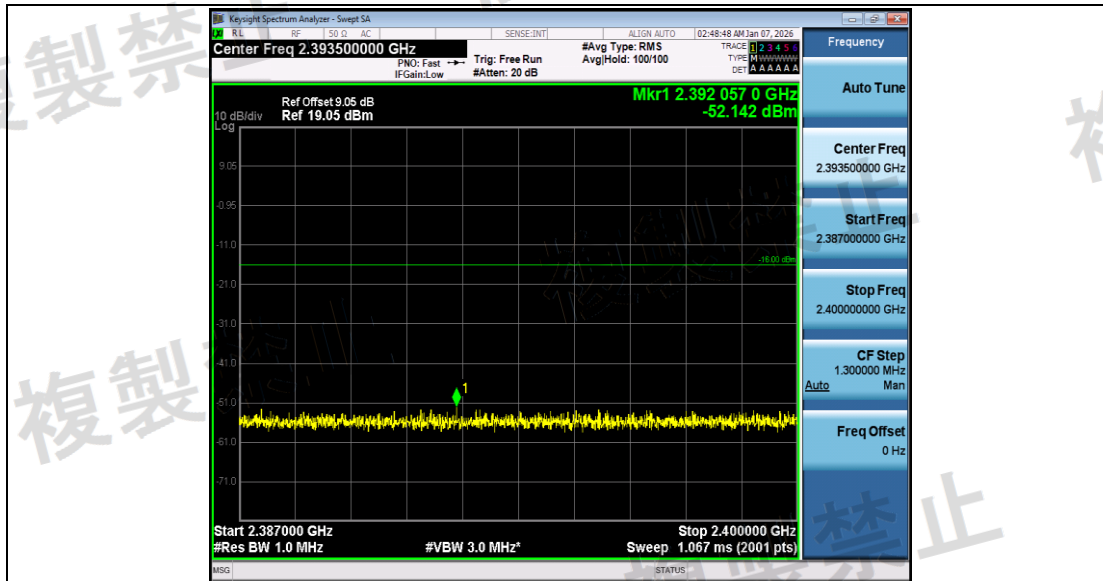


NTNV_DH5_Ant1_2402_2496.5~13000

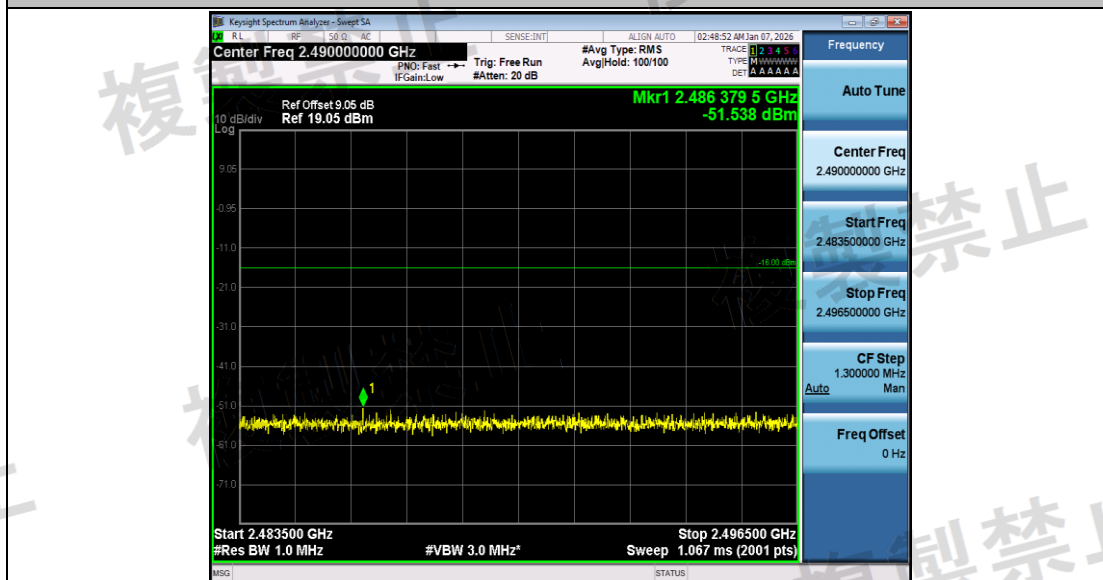




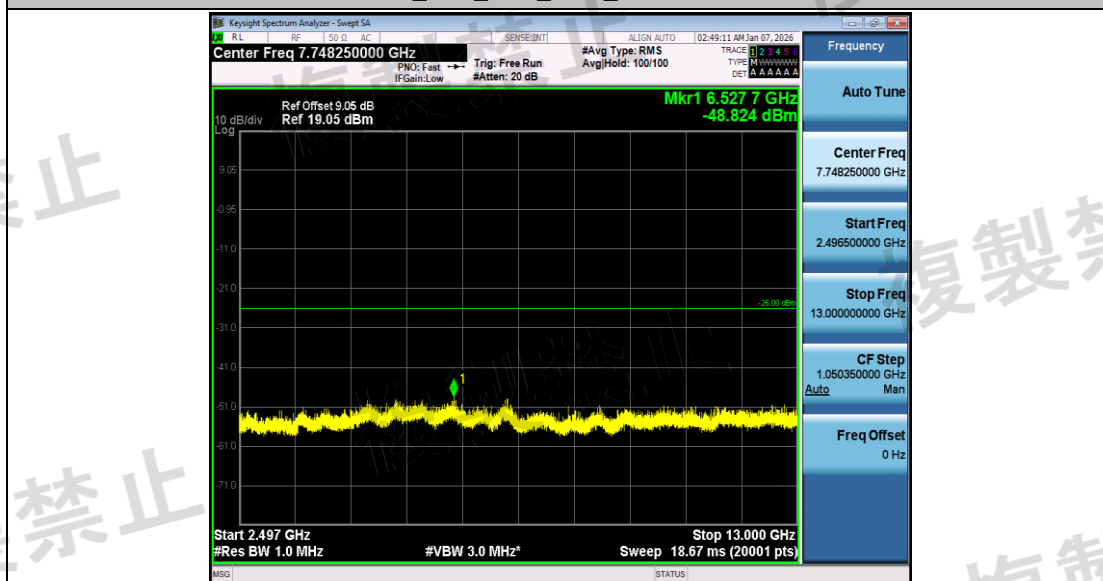
NTNV_DH5_Ant1_2441_2387~2400

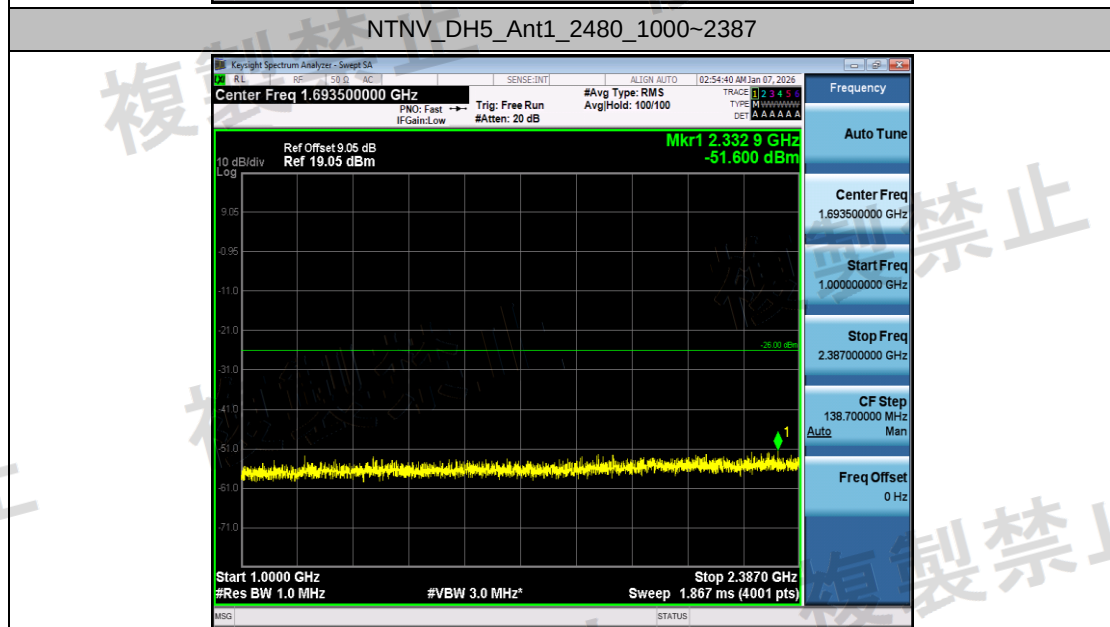
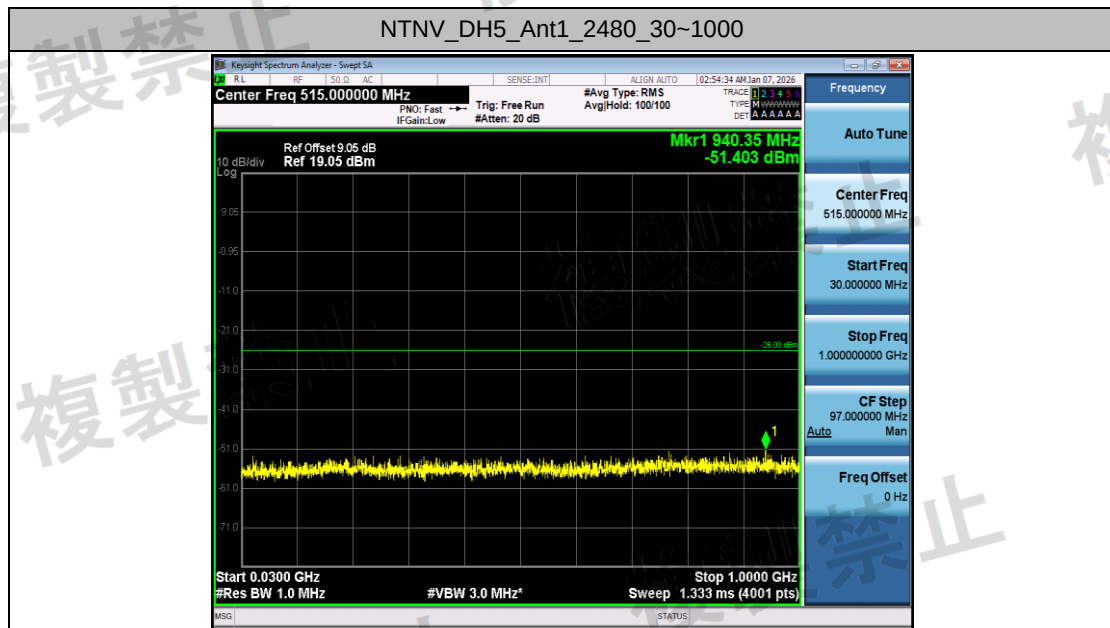


NTNV_DH5_Ant1_2441_2483.5~2496.5

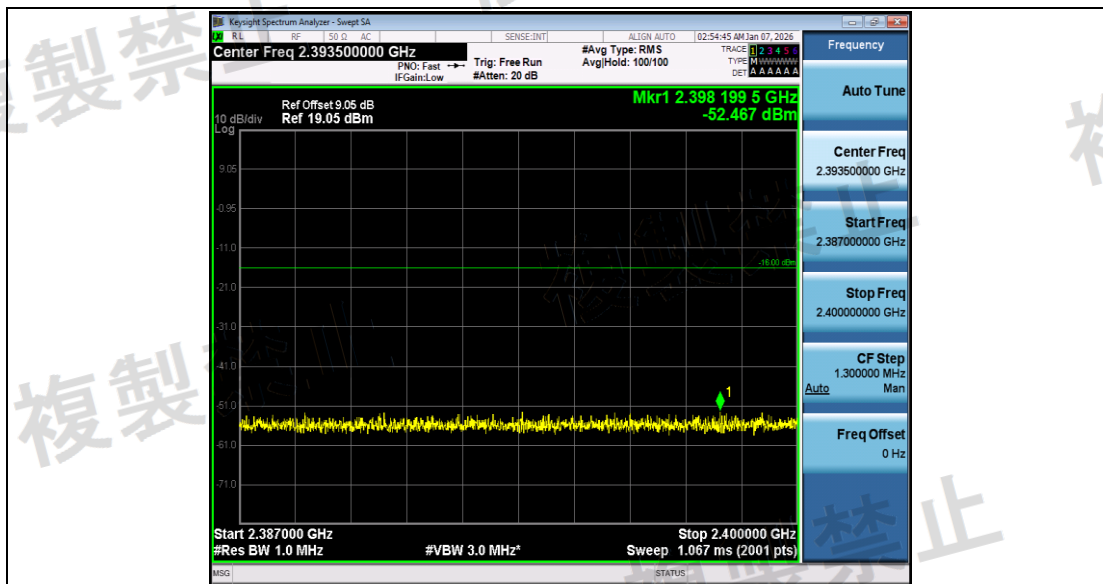


NTNV_DH5_Ant1_2441_2496.5~13000

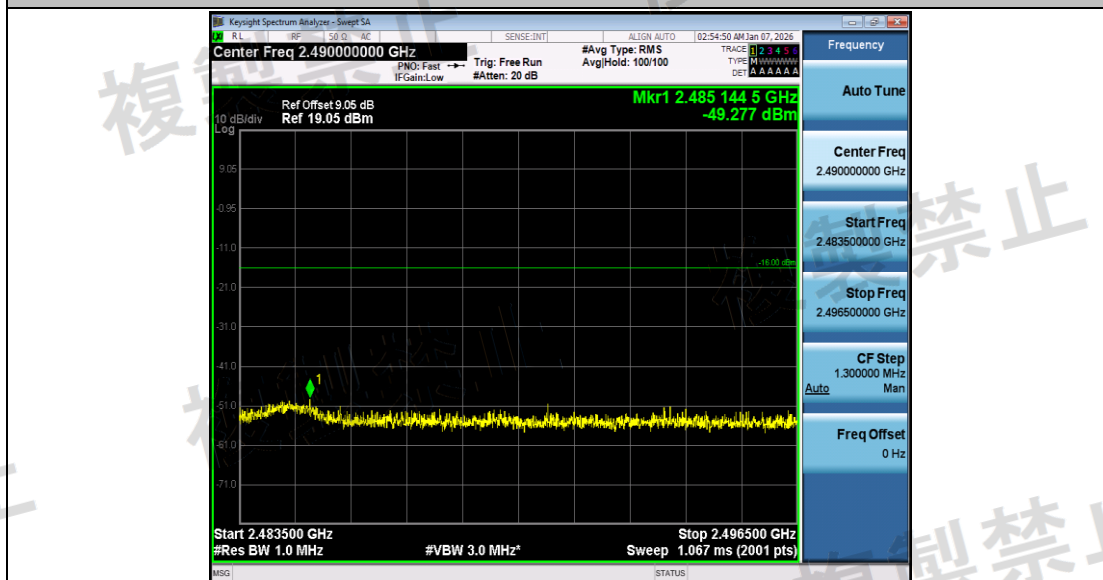




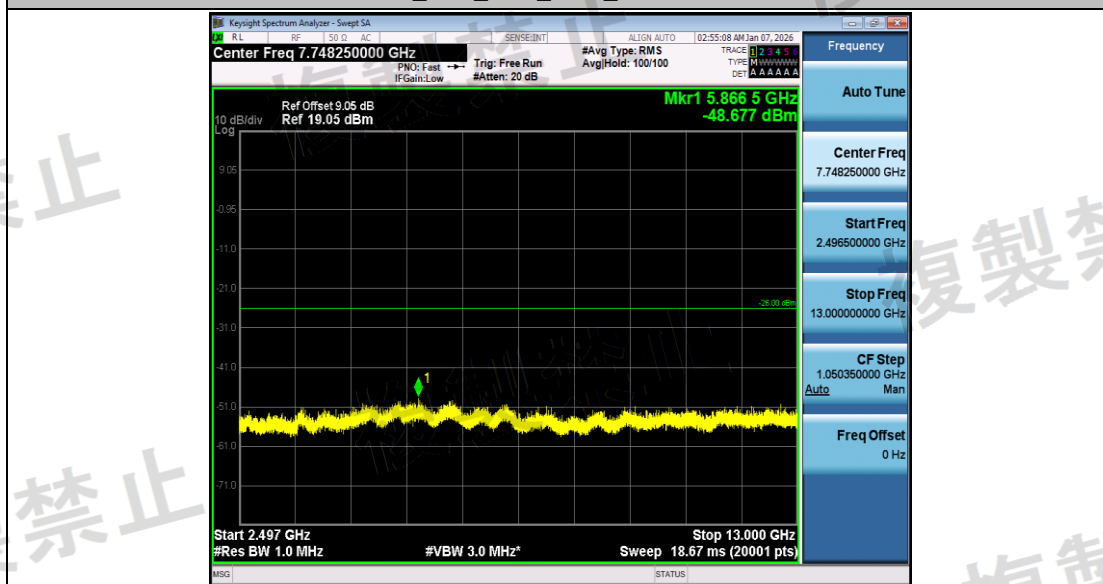
NTNV_DH5_Ant1_2480_2387~2400

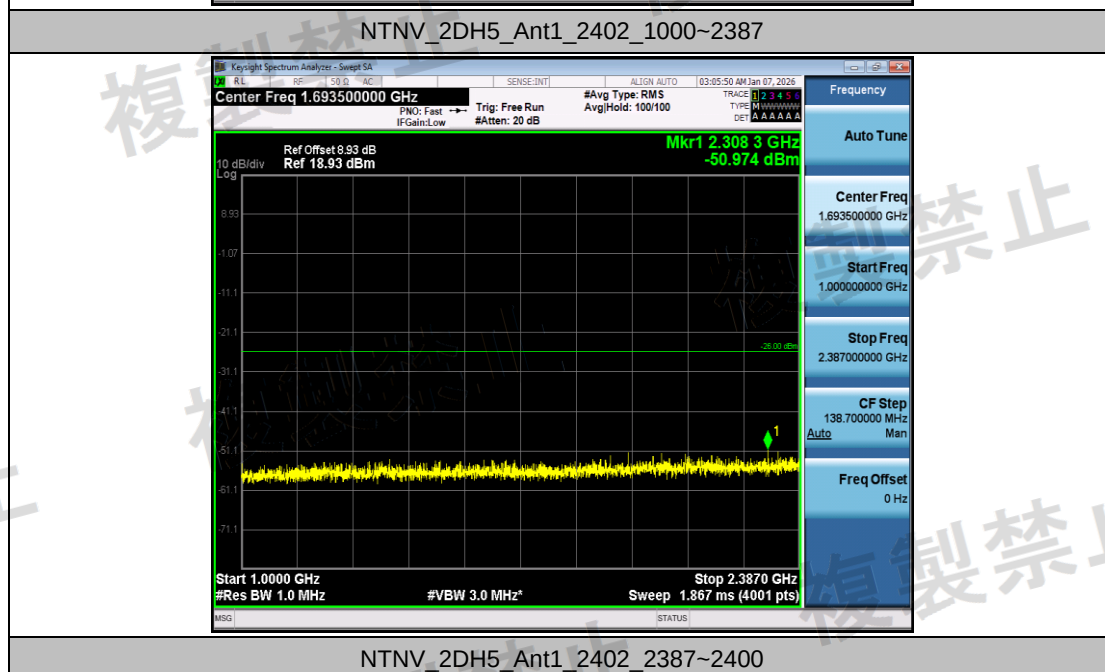
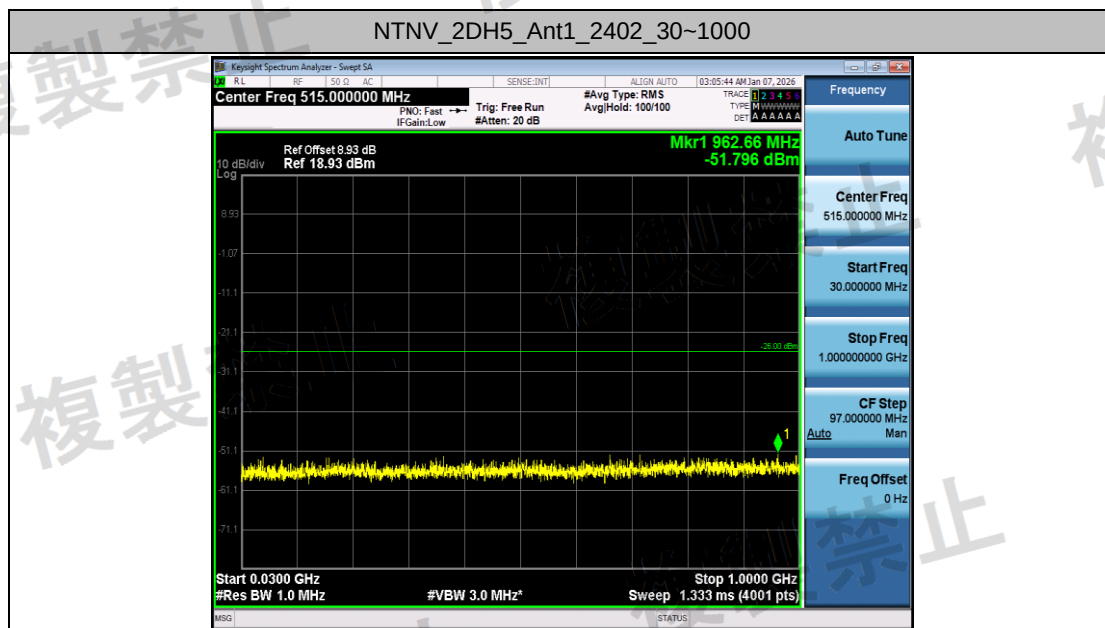


NTNV_DH5_Ant1_2480_2483.5~2496.5

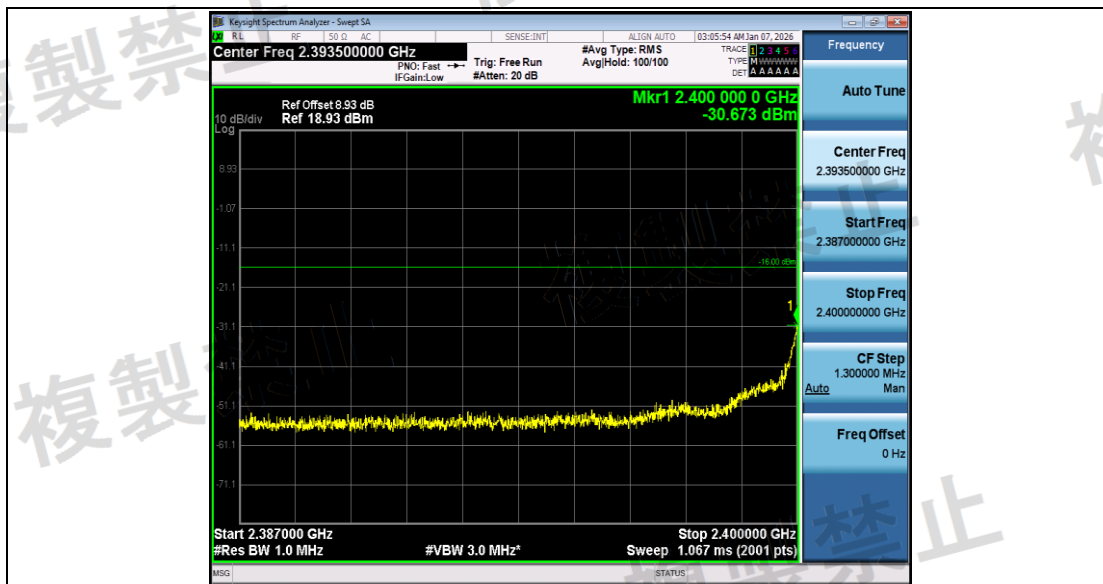


NTNV_DH5_Ant1_2480_2496.5~13000

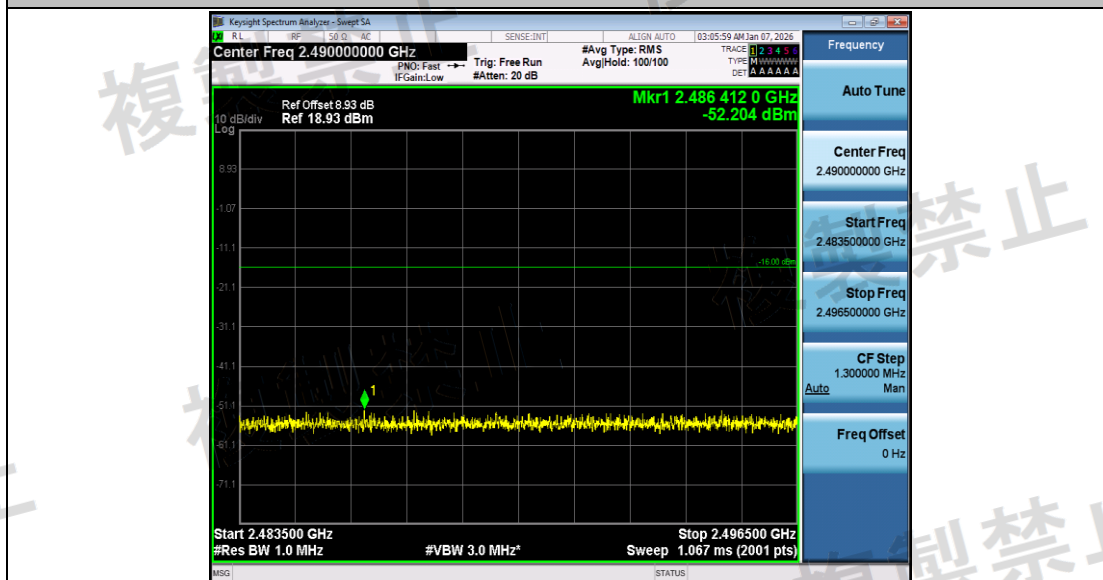




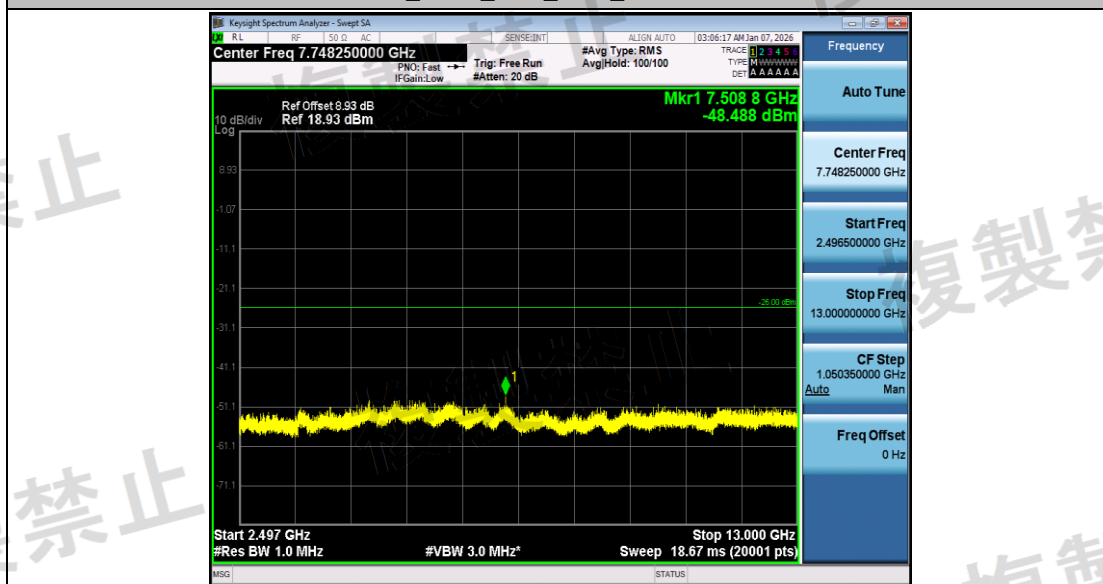
NTNV_2DH5_Ant1_2402_2387~2400

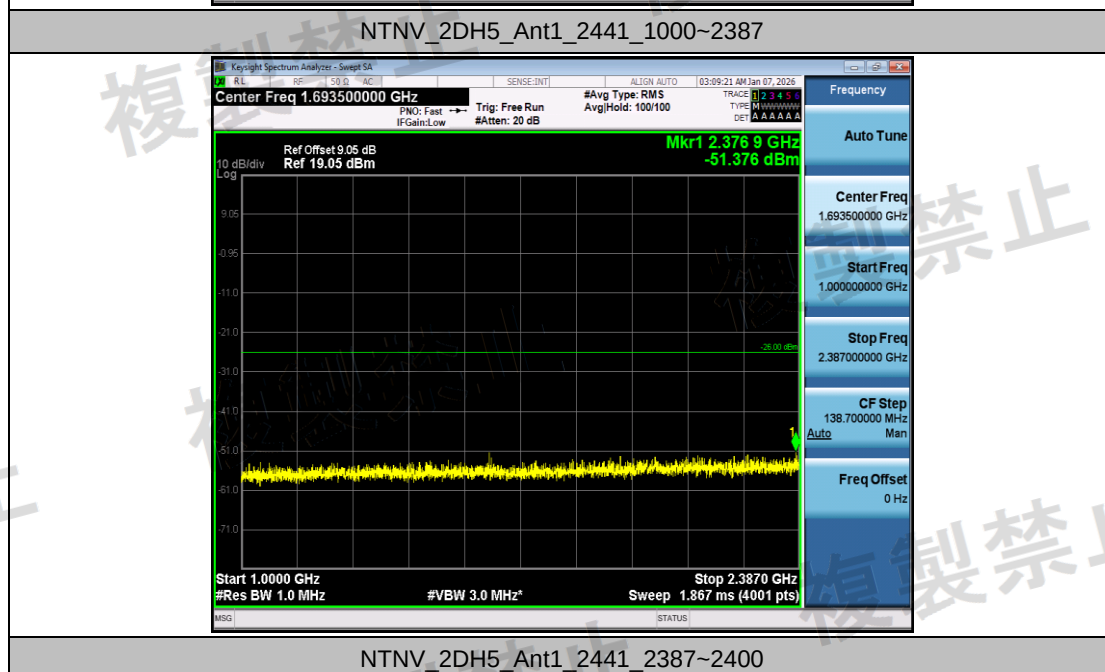
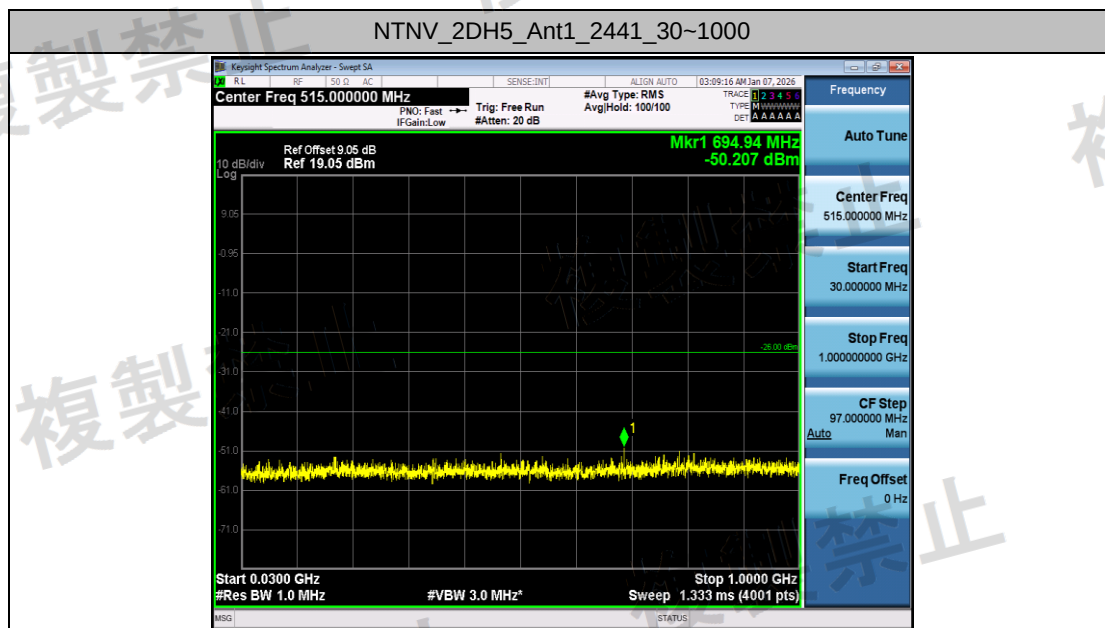


NTNV_2DH5_Ant1_2402_2483.5~2496.5

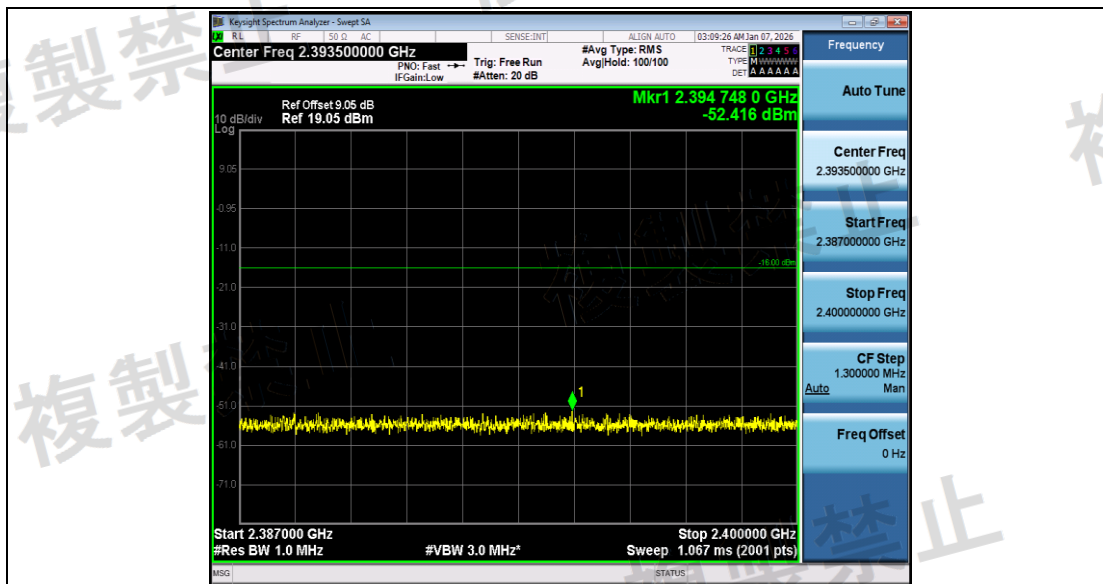


NTNV_2DH5_Ant1_2402_2496.5~13000

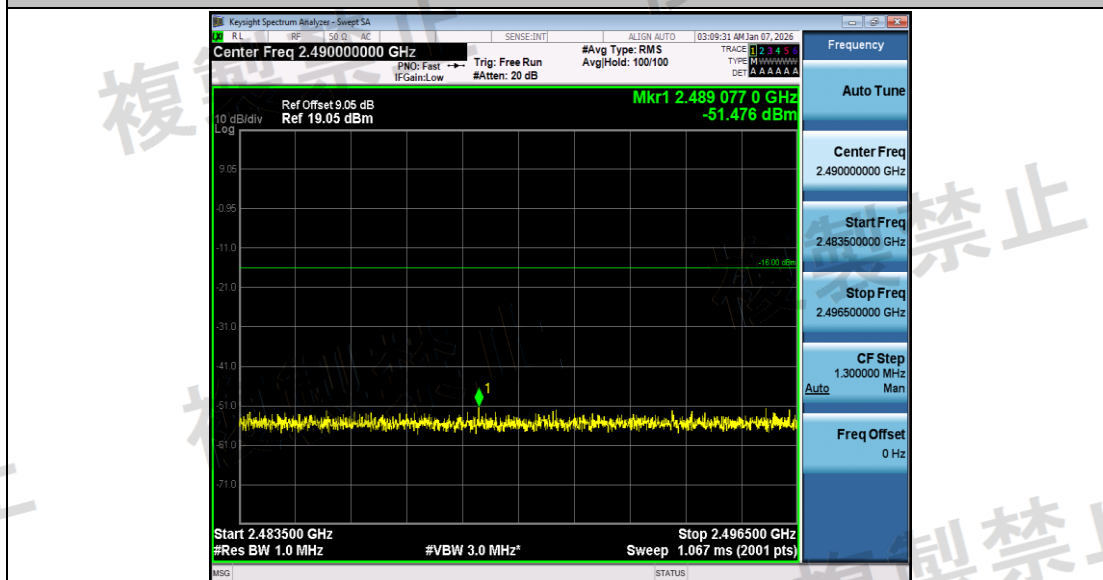




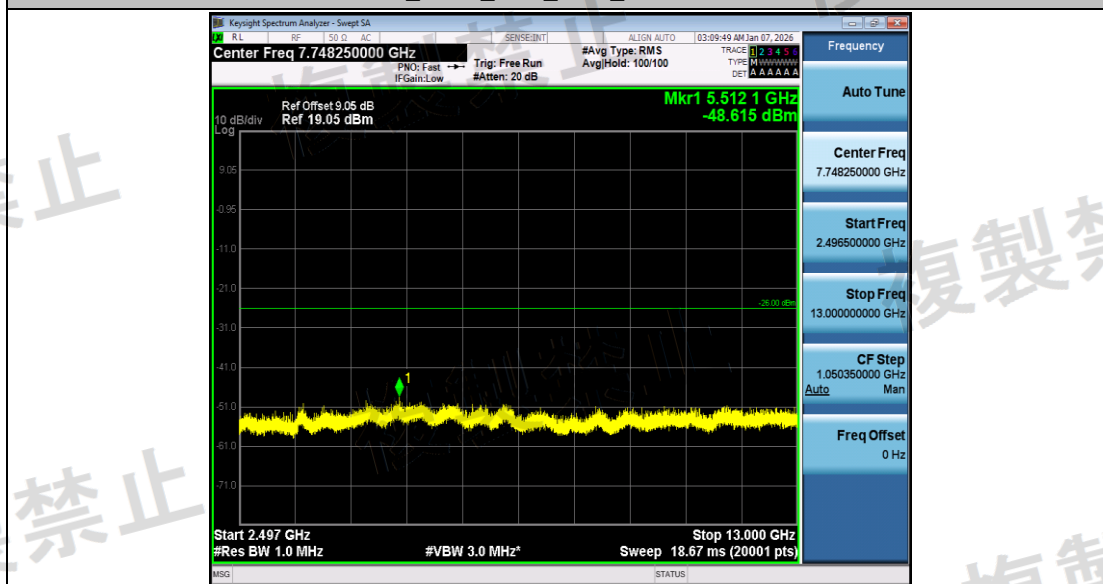
NTNV_2DH5_Ant1_2441_2387~2400

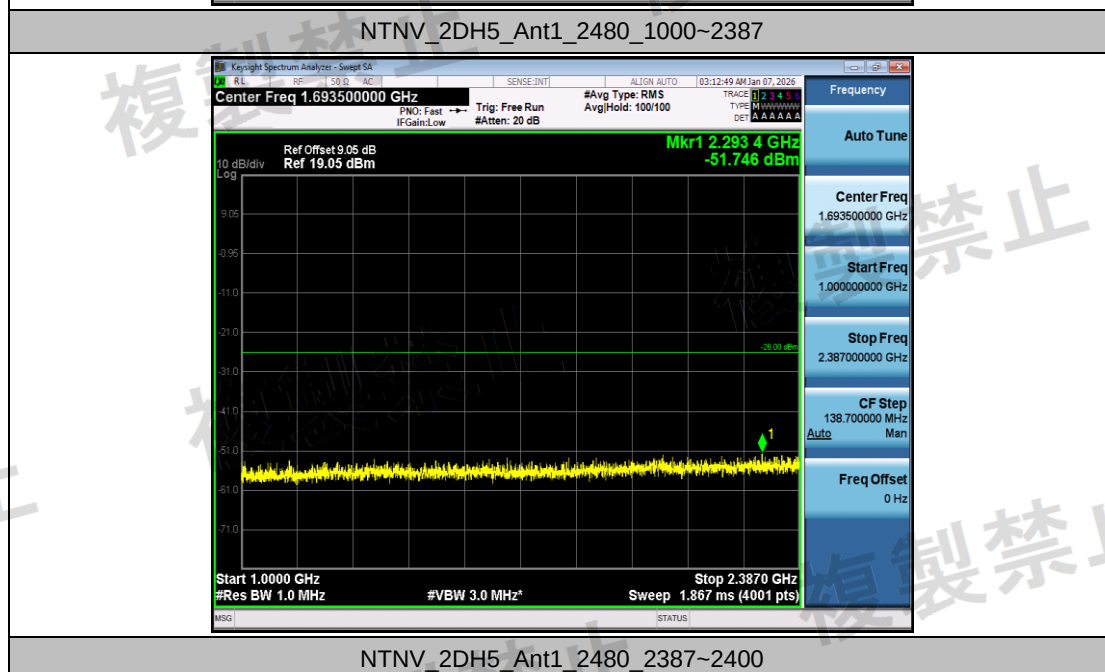
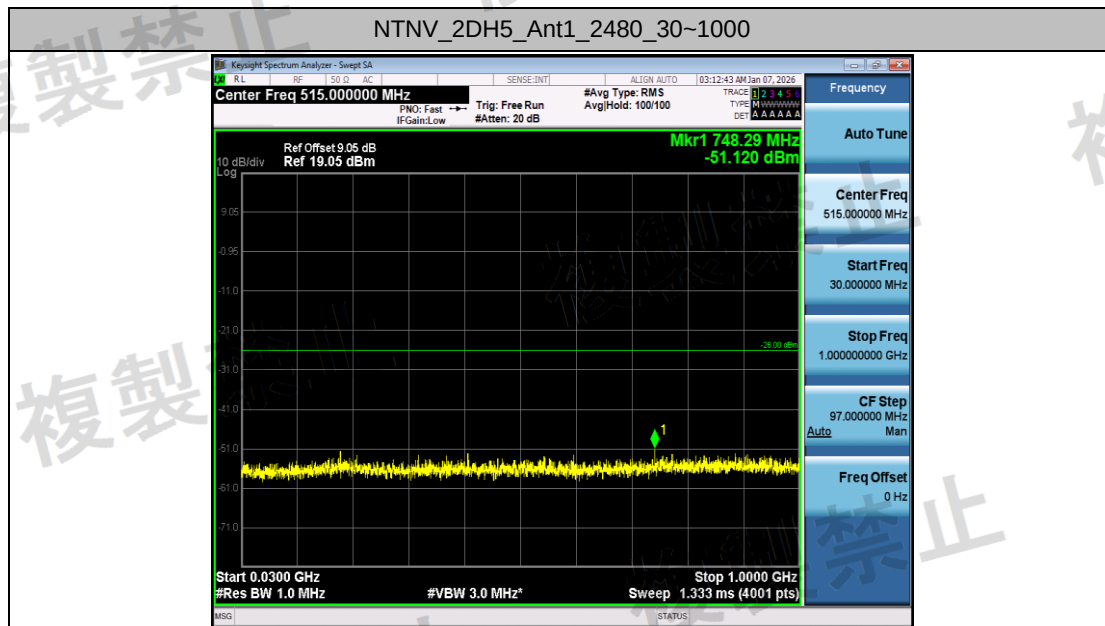


NTNV_2DH5_Ant1_2441_2483.5~2496.5

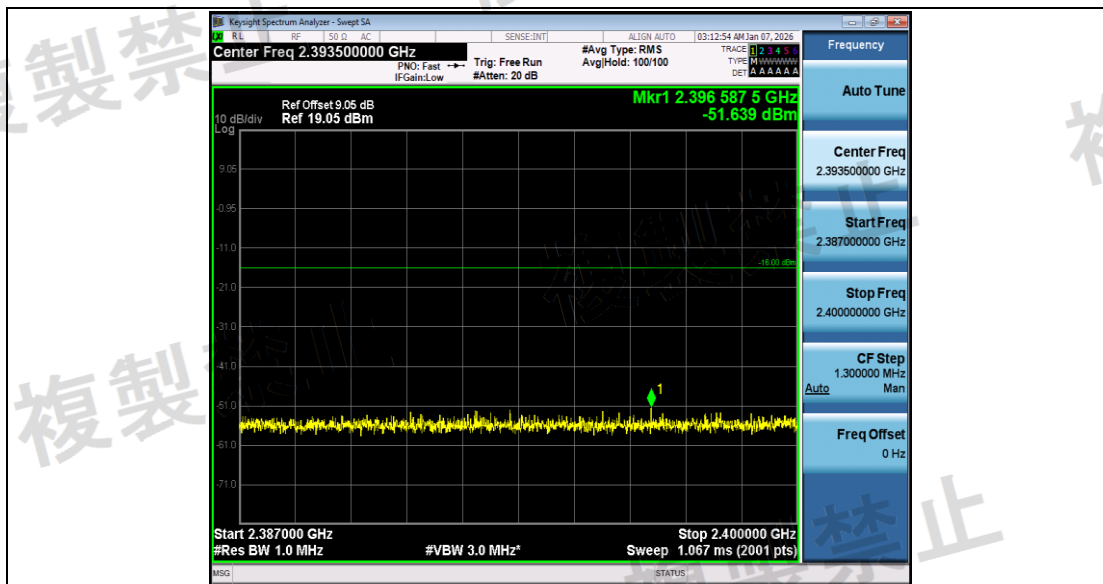


NTNV_2DH5_Ant1_2441_2496.5~13000

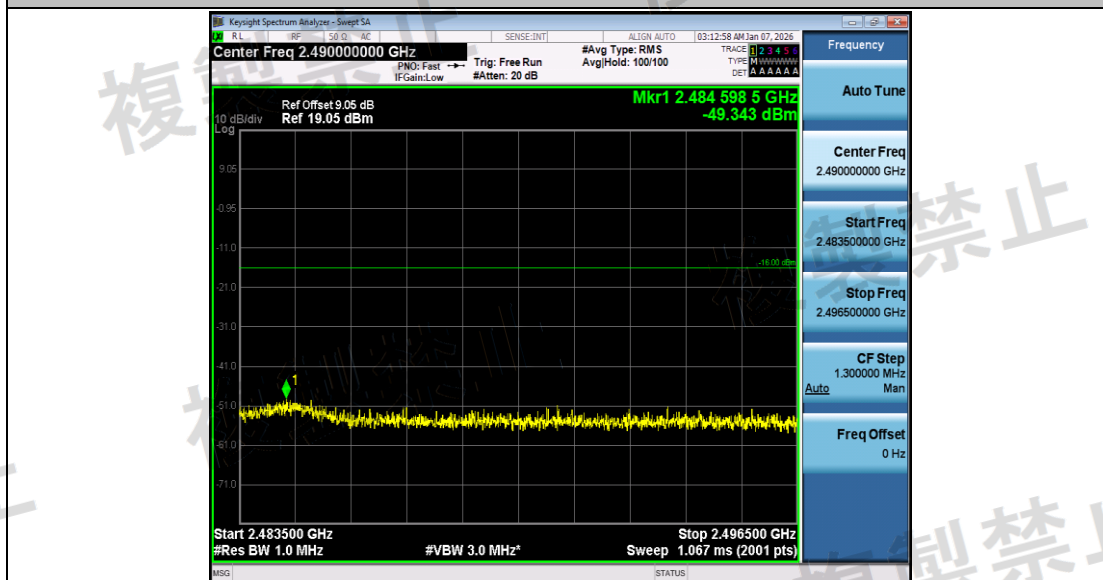




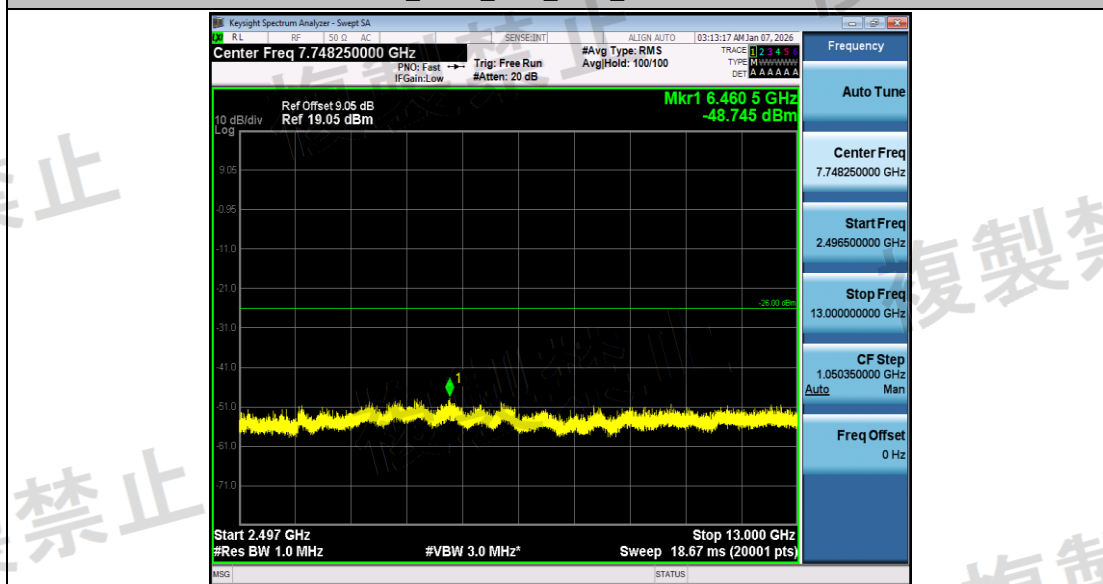
NTNV_2DH5_Ant1_2480_2387~2400

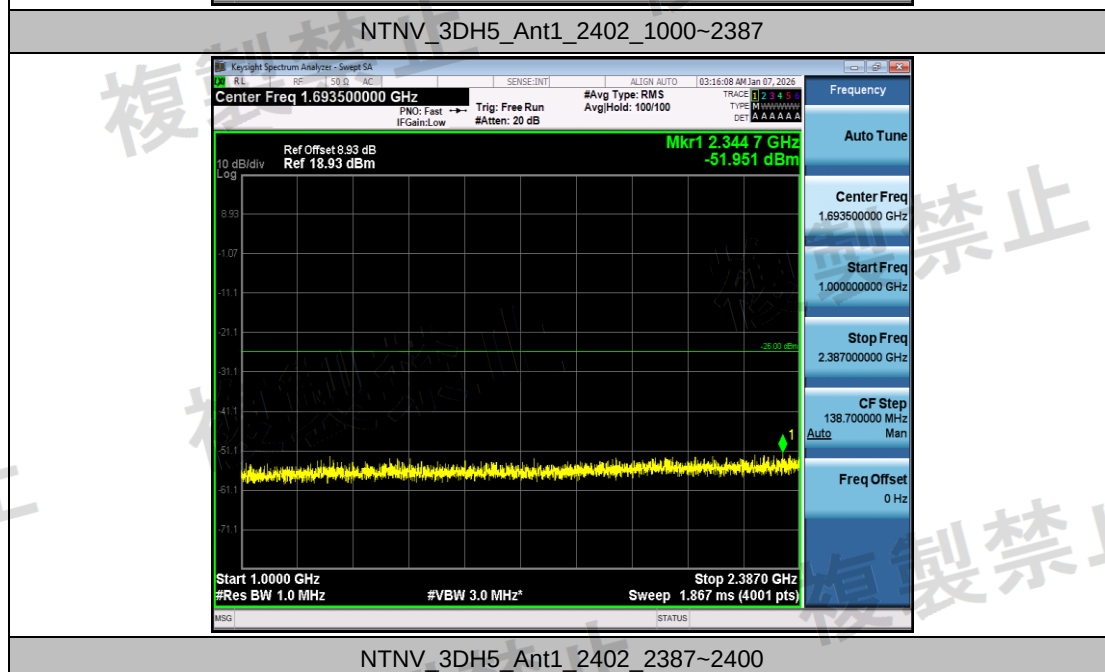
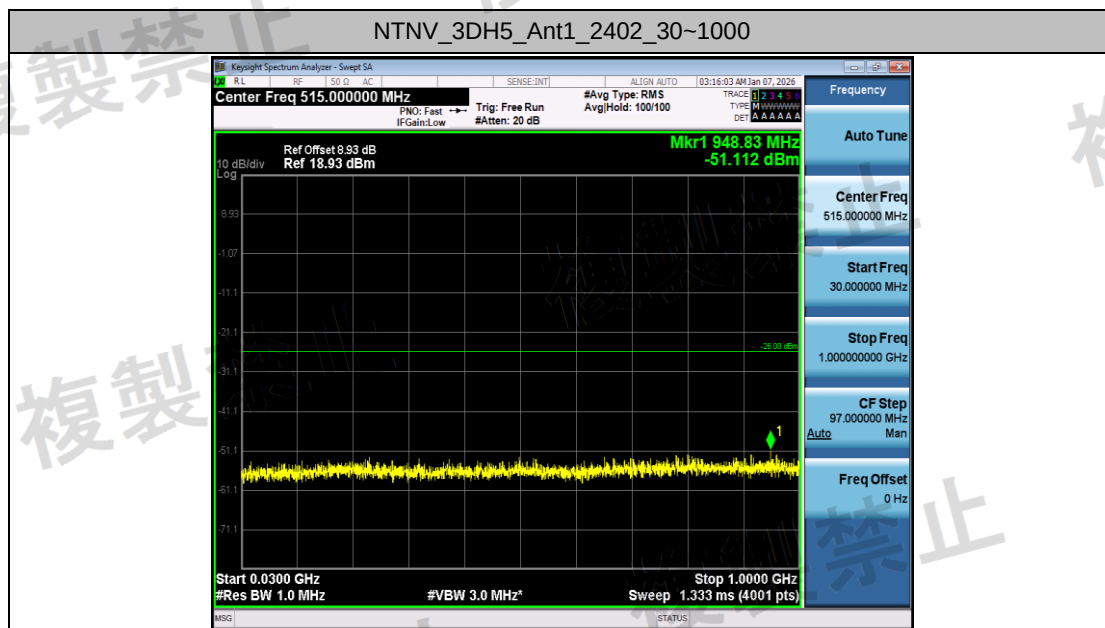


NTNV_2DH5_Ant1_2480_2483.5~2496.5

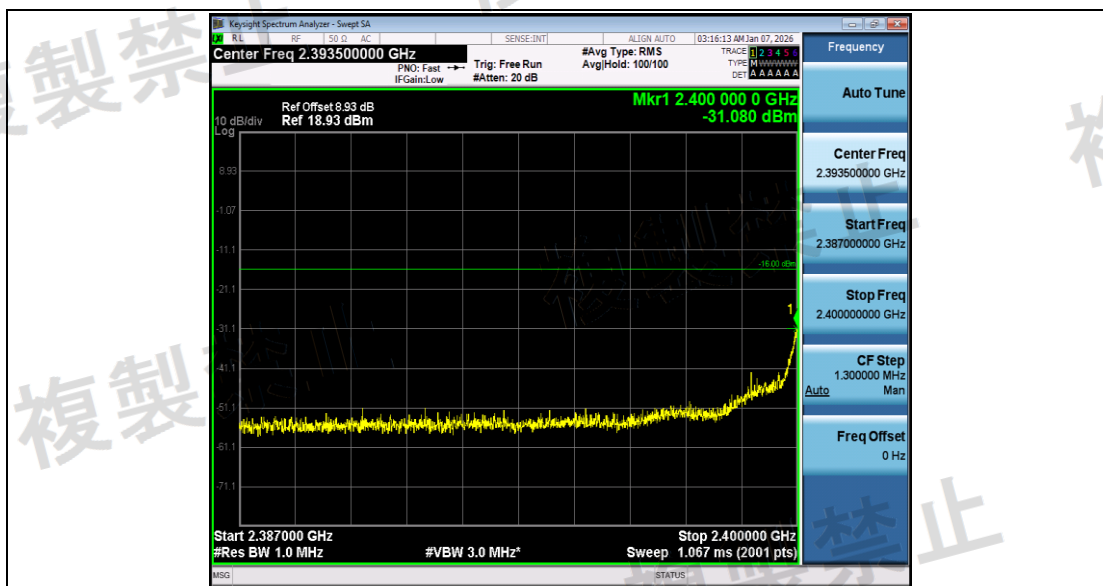


NTNV_2DH5_Ant1_2480_2496.5~13000

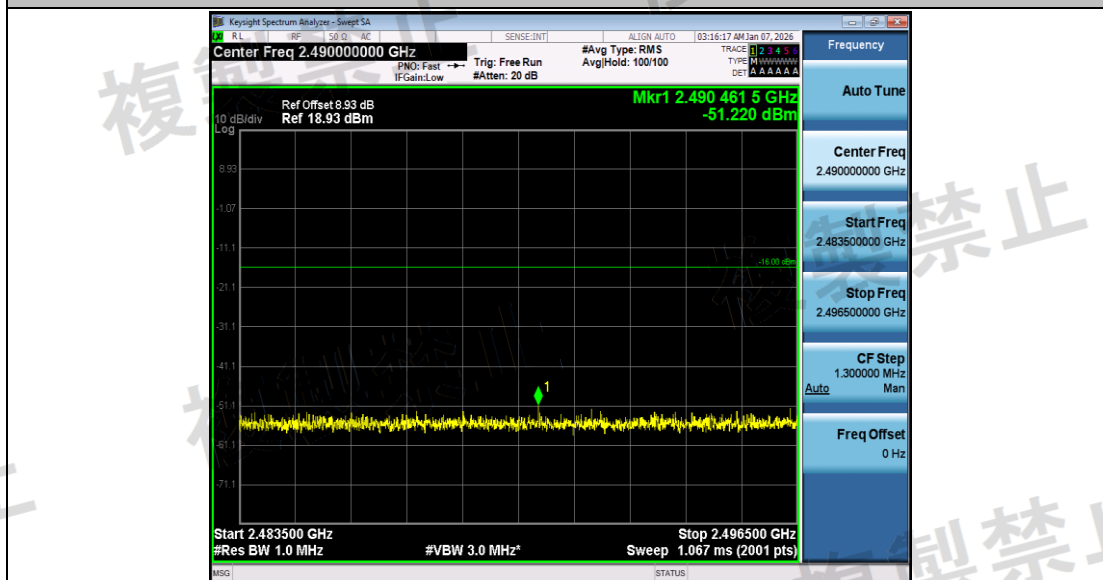




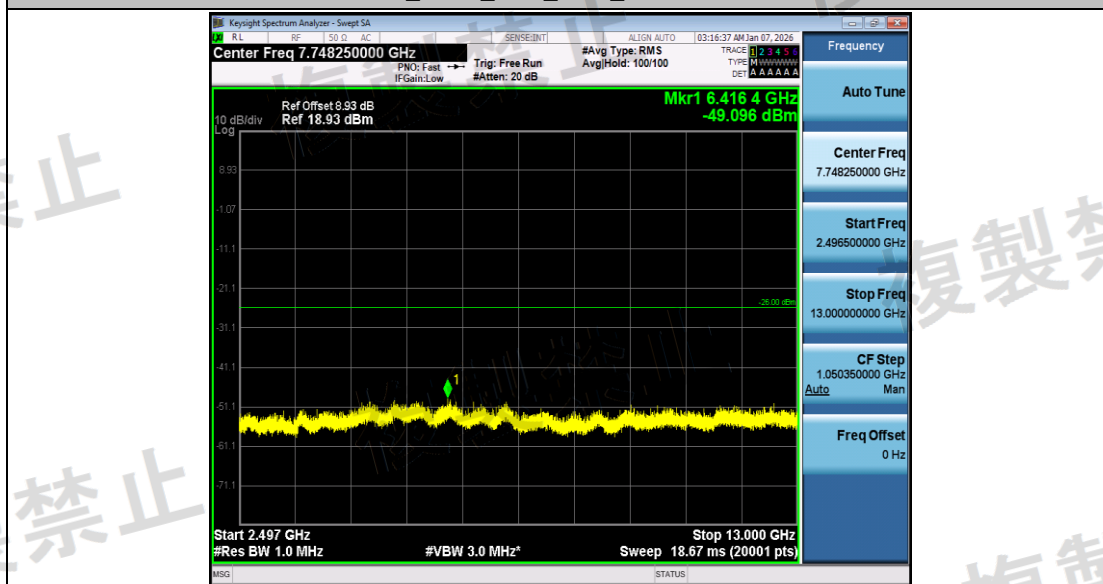
NTNV_3DH5_Ant1_2402_2387~2400

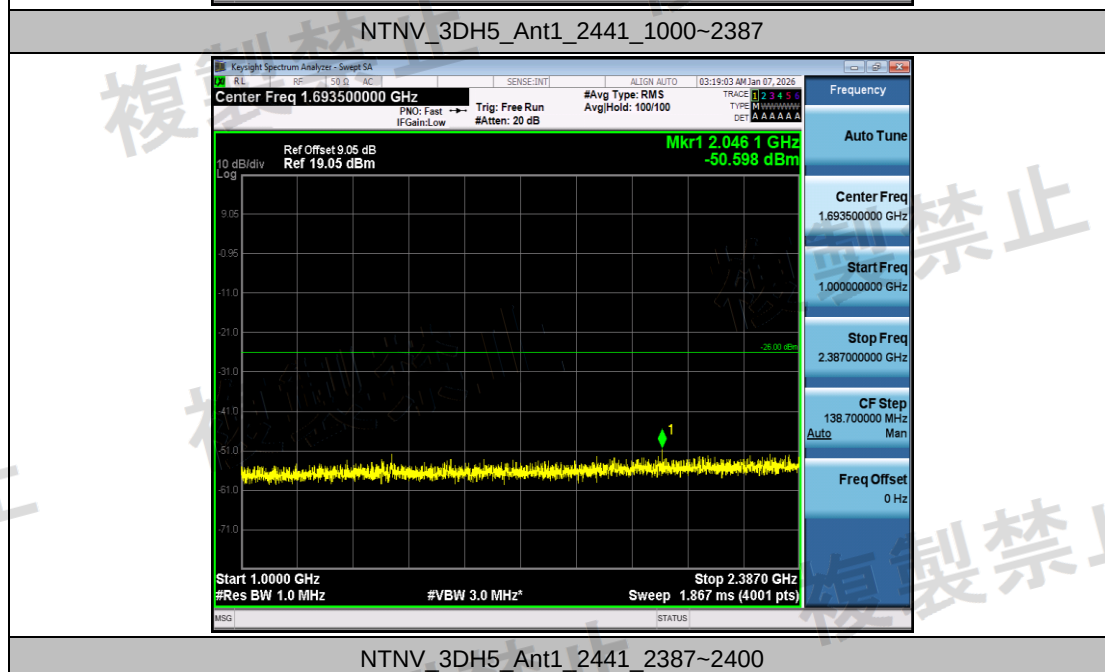
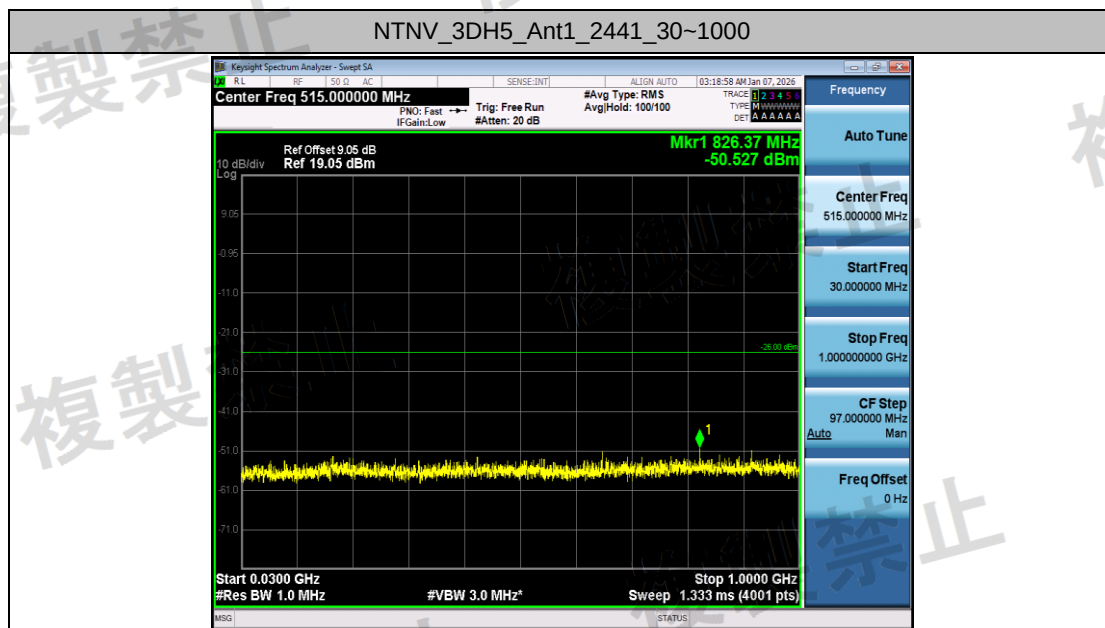


NTNV_3DH5_Ant1_2402_2483.5~2496.5

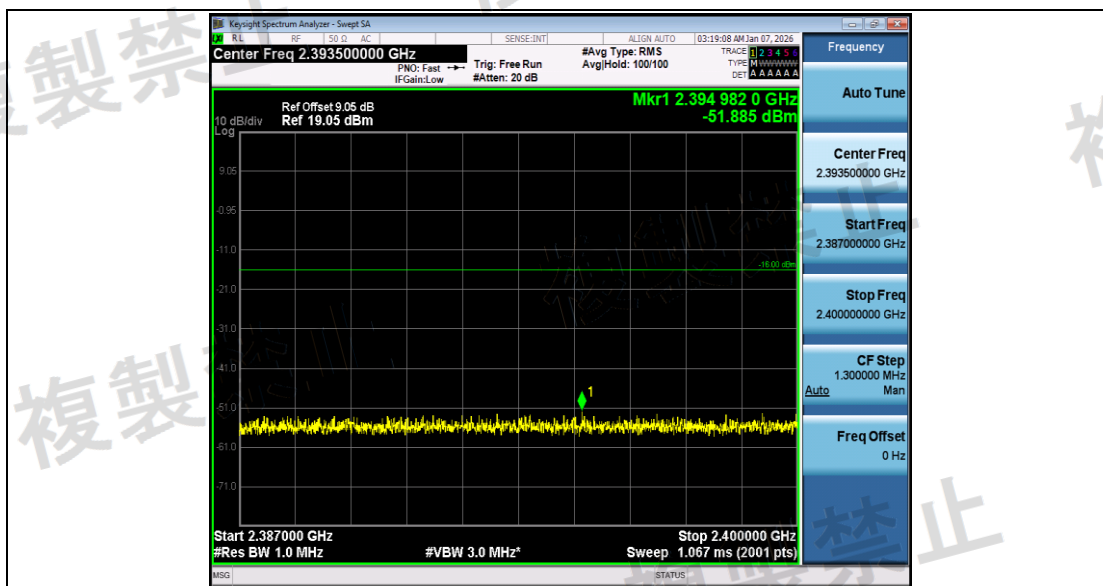


NTNV_3DH5_Ant1_2402_2496.5~13000

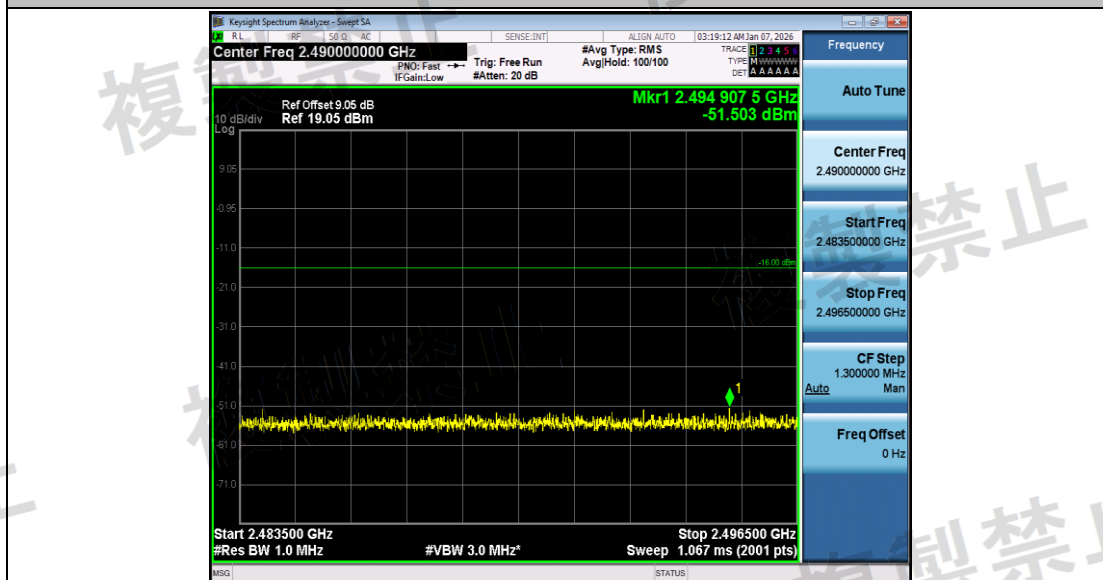




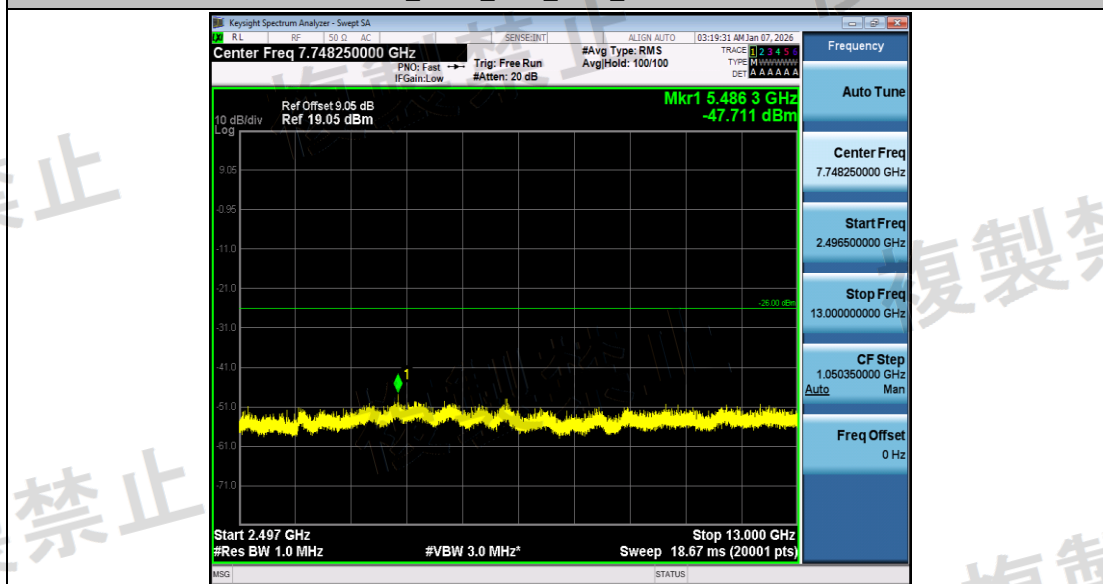
NTNV_3DH5_Ant1_2441_2387~2400

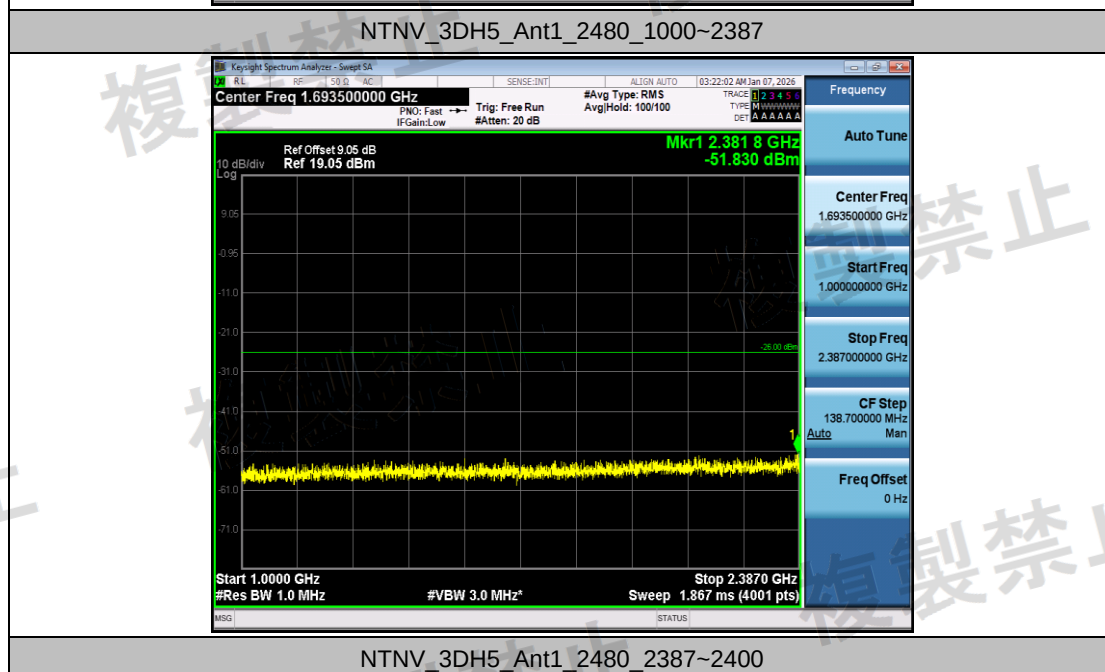
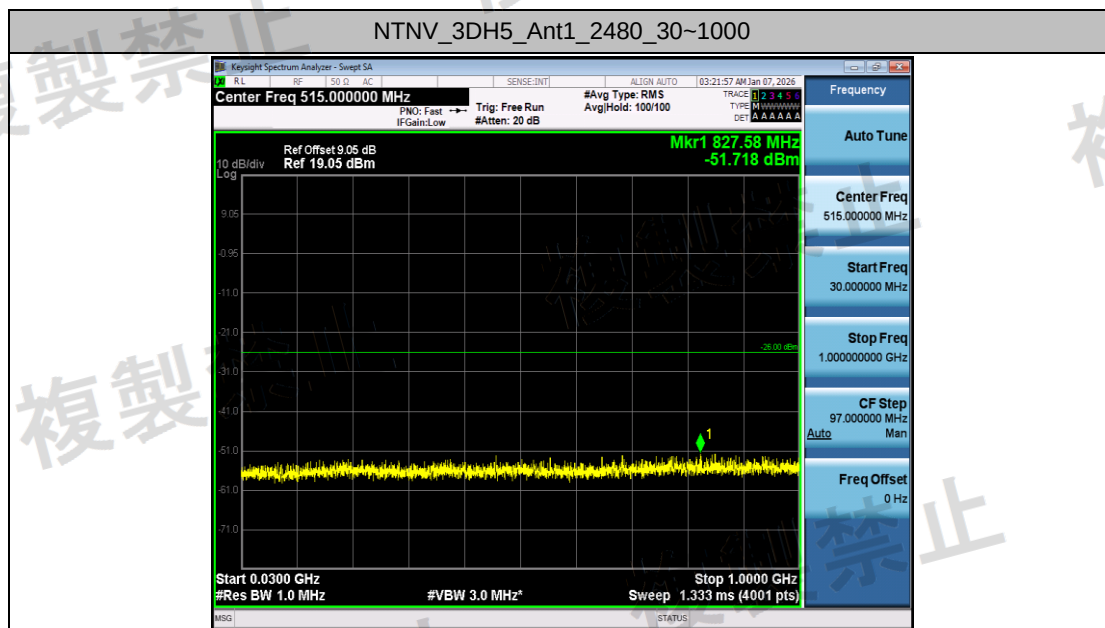


NTNV_3DH5_Ant1_2441_2483.5~2496.5

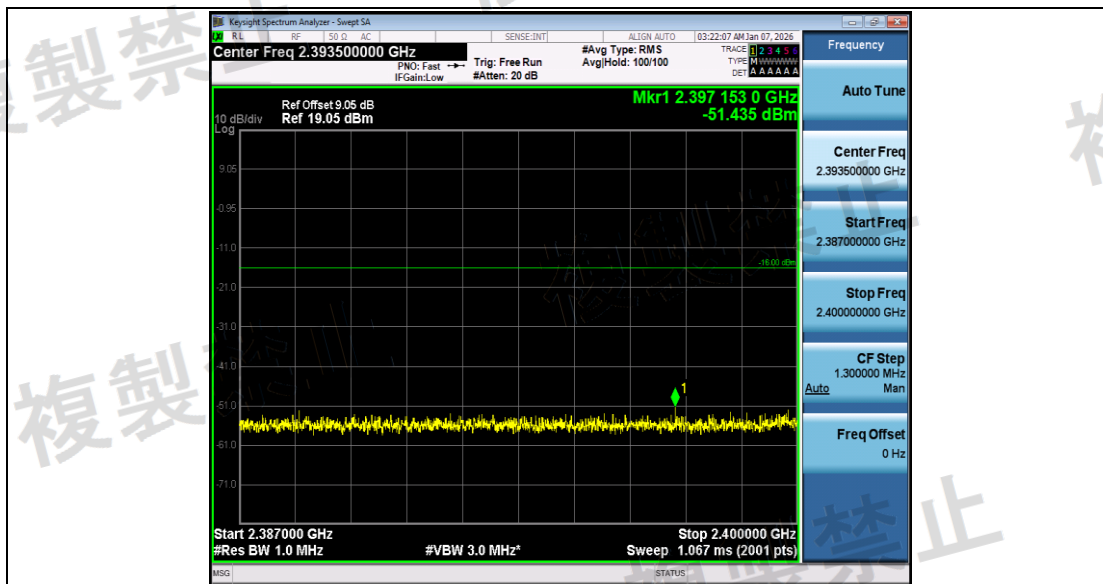


NTNV_3DH5_Ant1_2441_2496.5~13000

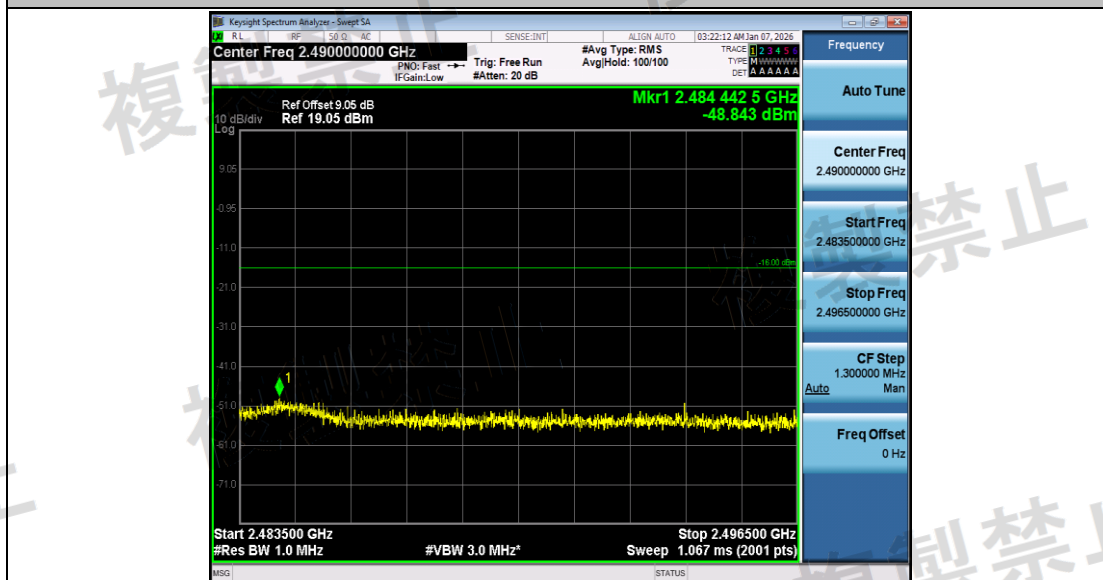




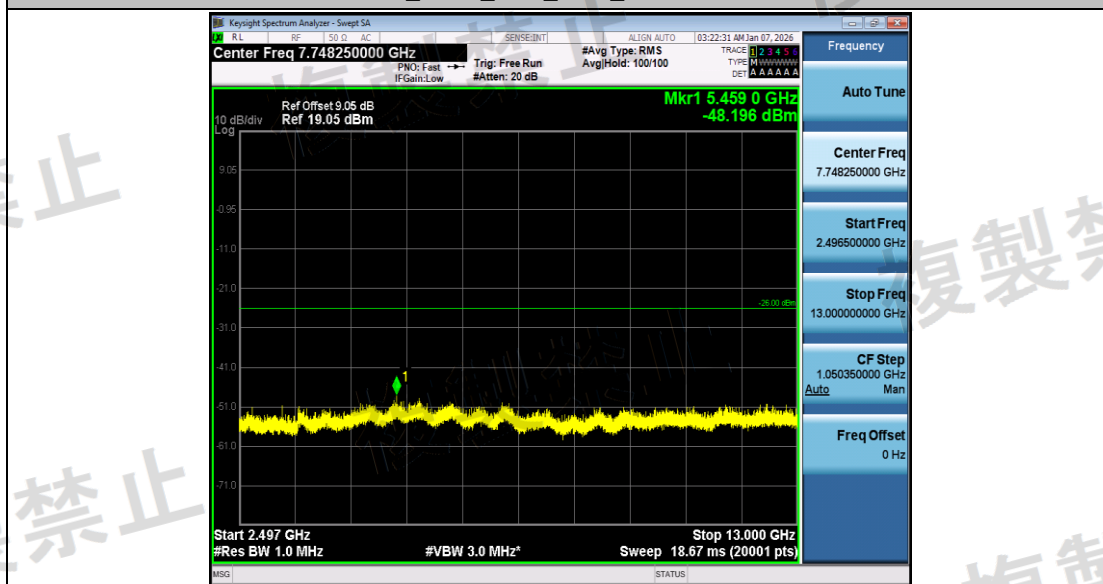
NTNV_3DH5_Ant1_2480_2387~2400



NTNV_3DH5_Ant1_2480_2483.5~2496.5



NTNV_3DH5_Ant1_2480_2496.5~13000

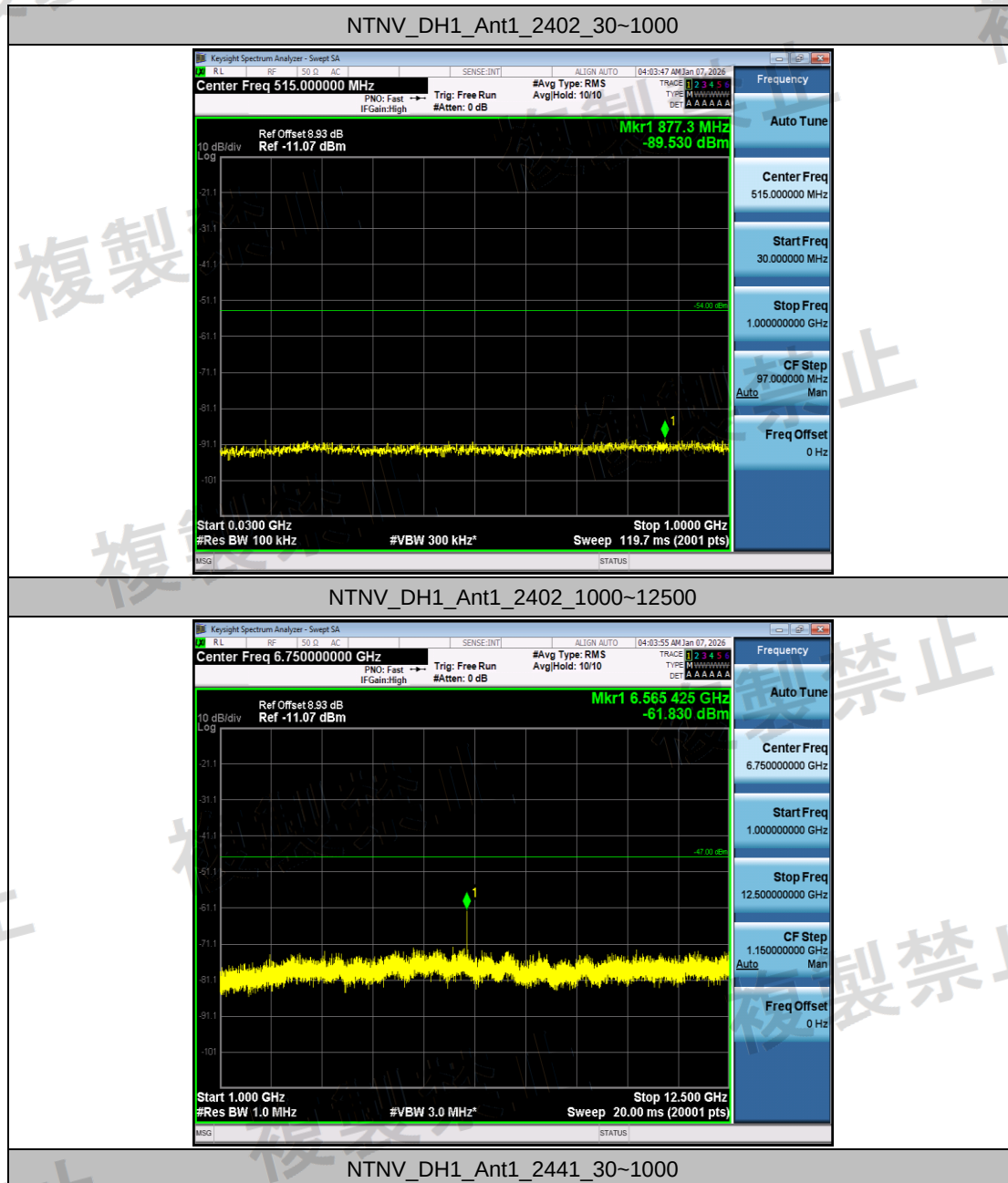


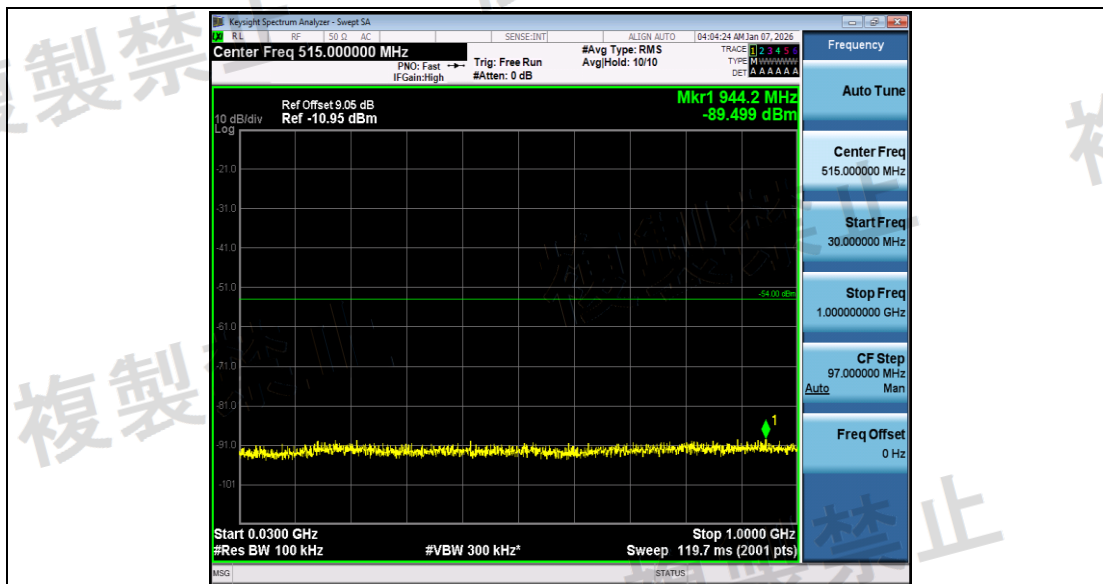
Appendix B.5:Spurious Emission of RX

Test Result

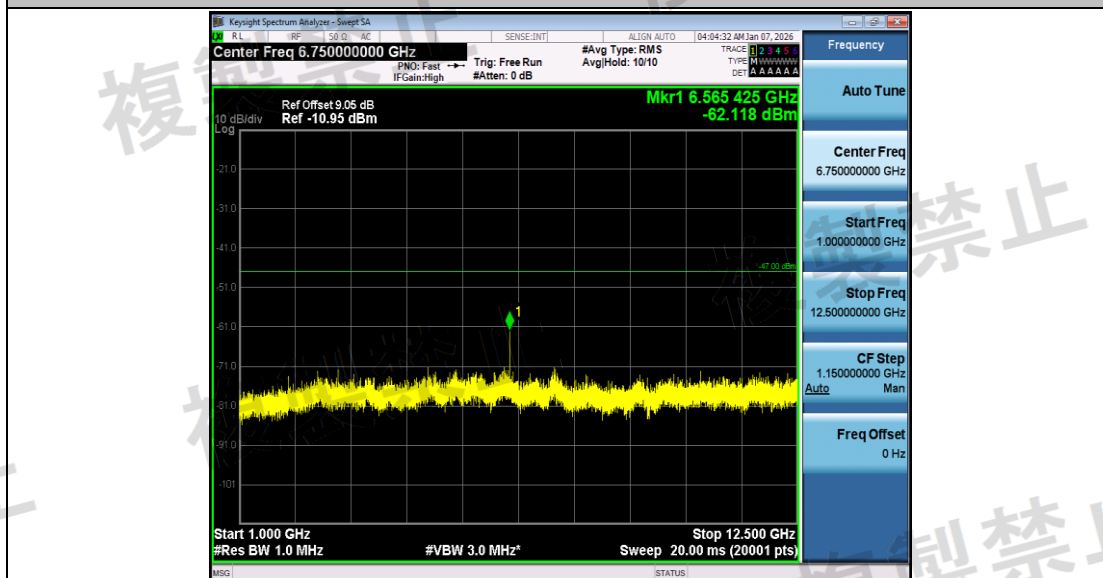
Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	DH1	Ant1	2402	30~1000	-89.53	≤-54	0.00111	≤4	PASS
				1000~12500	-61.83	≤-47	0.65615	≤20	PASS
			2441	30~1000	-89.5	≤-54	0.00112	≤4	PASS
				1000~12500	-62.12	≤-47	0.61376	≤20	PASS
			2480	30~1000	-88.23	≤-54	0.00150	≤4	PASS
				1000~12500	-62.05	≤-47	0.62373	≤20	PASS
	2DH1	Ant1	2402	30~1000	-88.84	≤-54	0.00131	≤4	PASS
				1000~12500	-62.16	≤-47	0.60814	≤20	PASS
			2441	30~1000	-88.9	≤-54	0.00129	≤4	PASS
				1000~12500	-62.14	≤-47	0.61094	≤20	PASS
			2480	30~1000	-89.12	≤-54	0.00122	≤4	PASS
				1000~12500	-61.52	≤-47	0.70469	≤20	PASS
	3DH1	Ant1	2402	30~1000	-89.17	≤-54	0.00121	≤4	PASS
				1000~12500	-62.17	≤-47	0.60674	≤20	PASS
			2441	30~1000	-89.67	≤-54	0.00108	≤4	PASS
				1000~12500	-62.35	≤-47	0.58210	≤20	PASS
			2480	30~1000	-89.33	≤-54	0.00117	≤4	PASS
				1000~12500	-61.95	≤-47	0.63826	≤20	PASS

Test Graphs

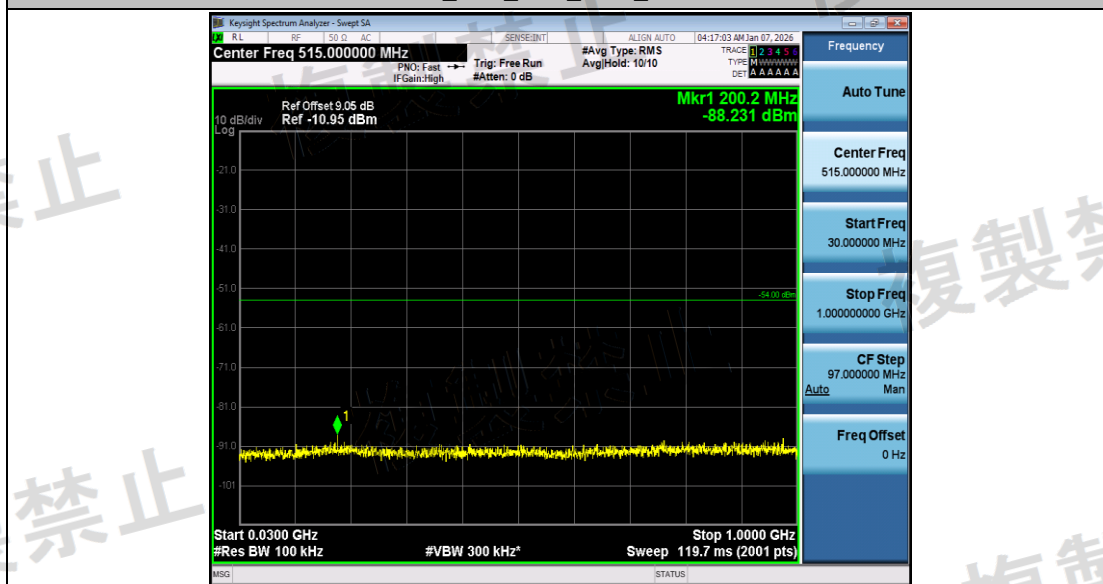


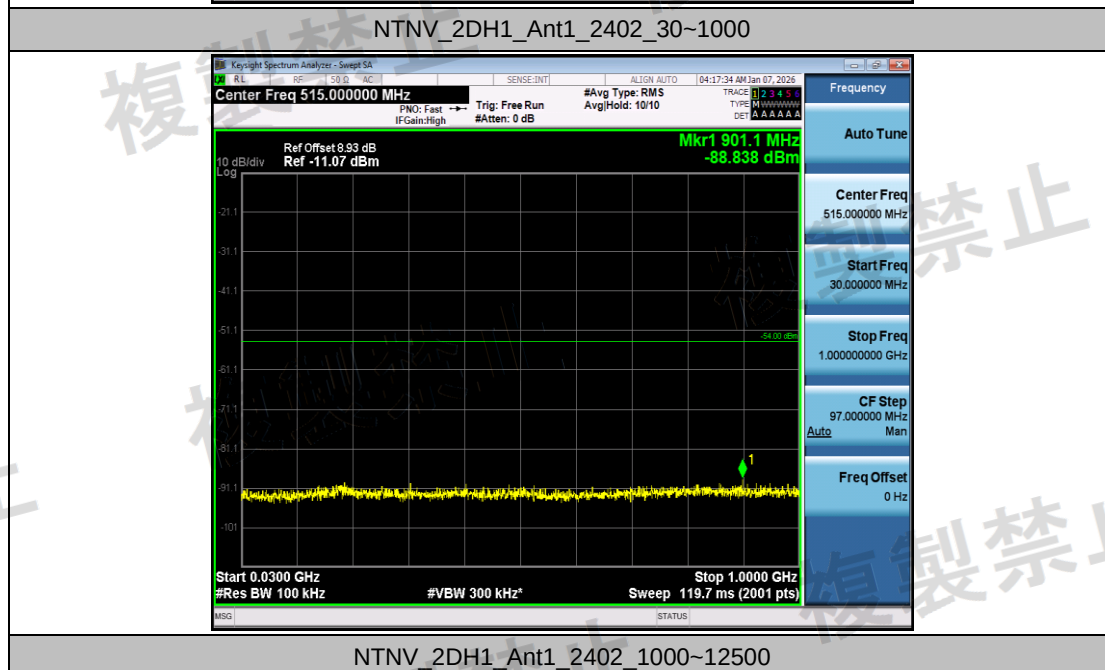
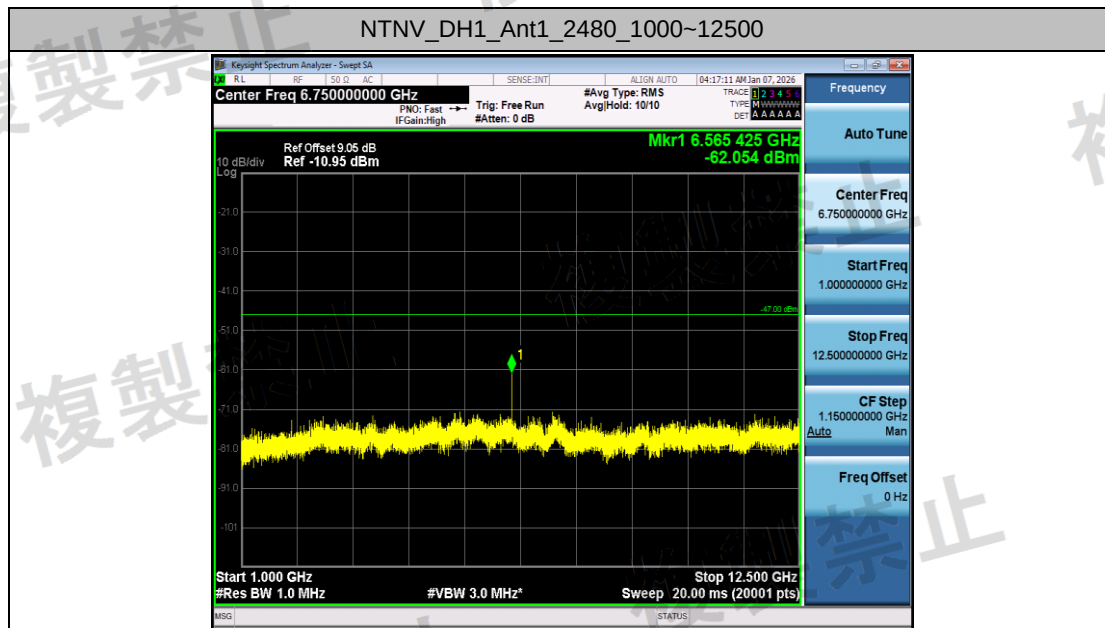


NTNV_DH1_Ant1_2441_1000~12500

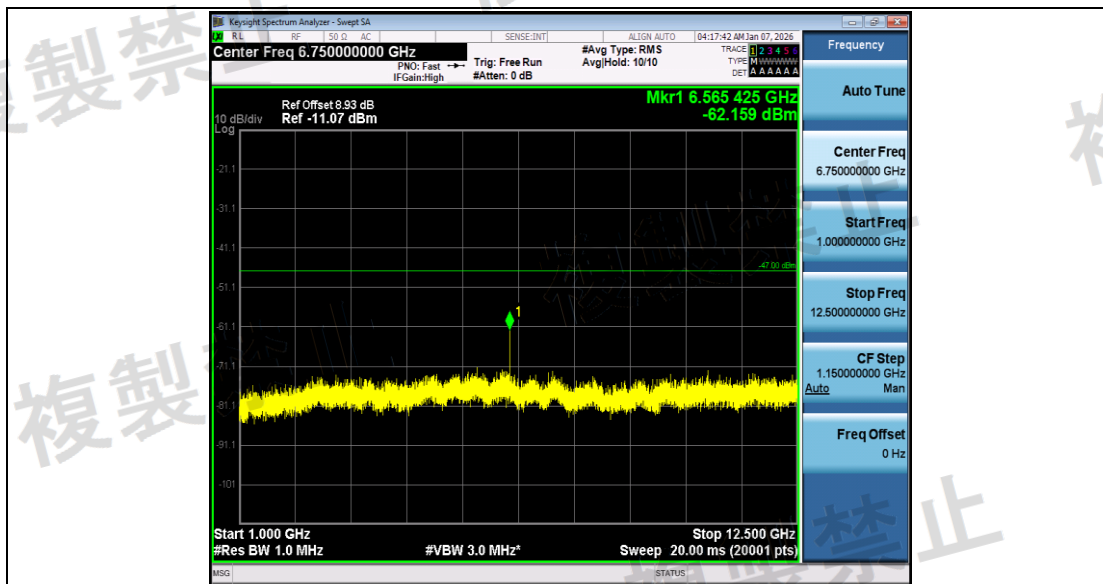


NTNV_DH1_Ant1_2480_30~1000

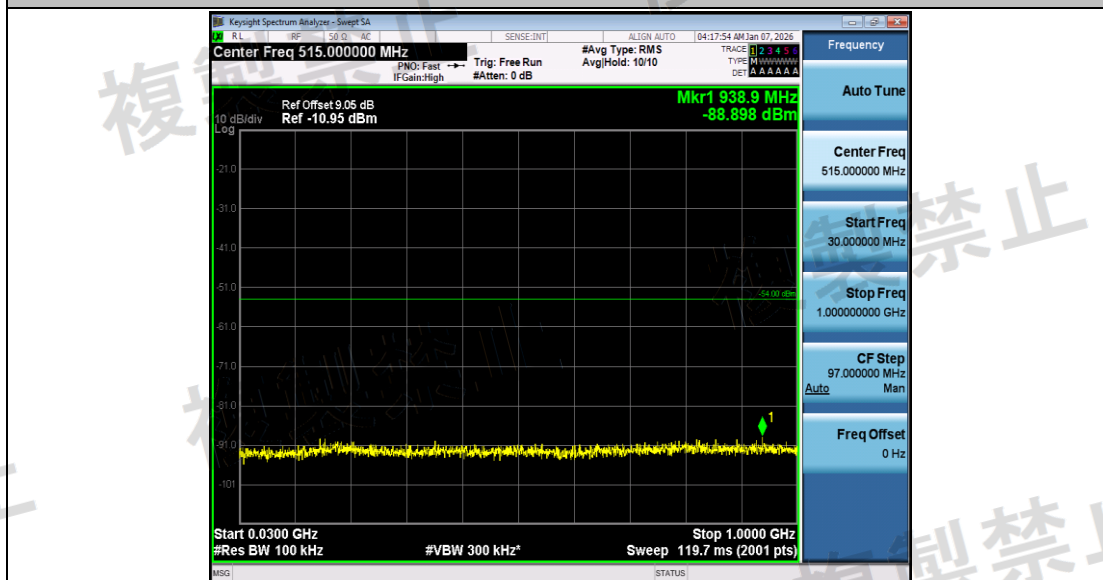




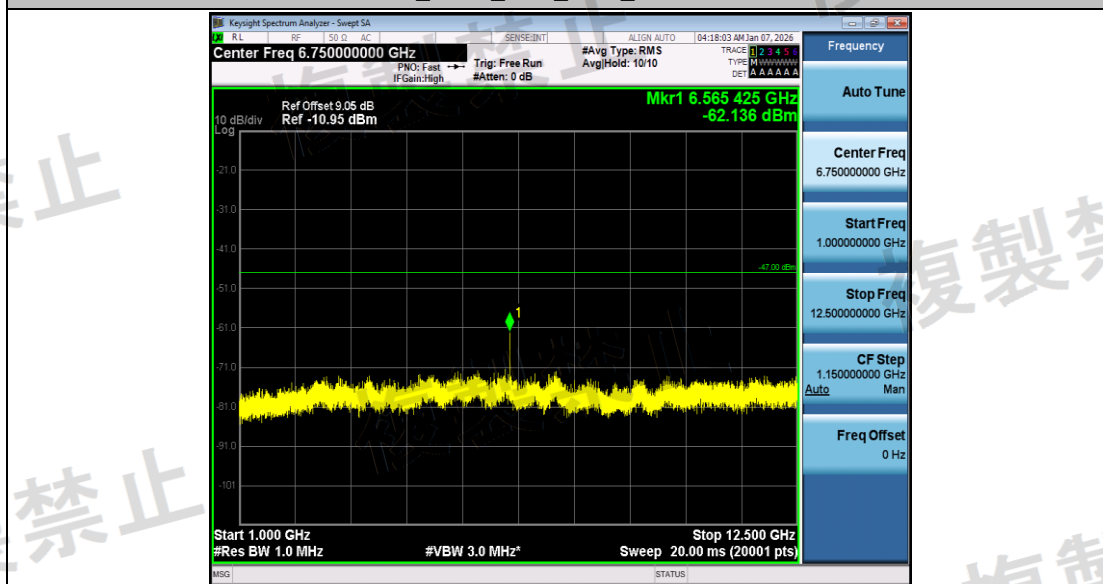
NTNV_2DH1_Ant1_2402_1000~12500

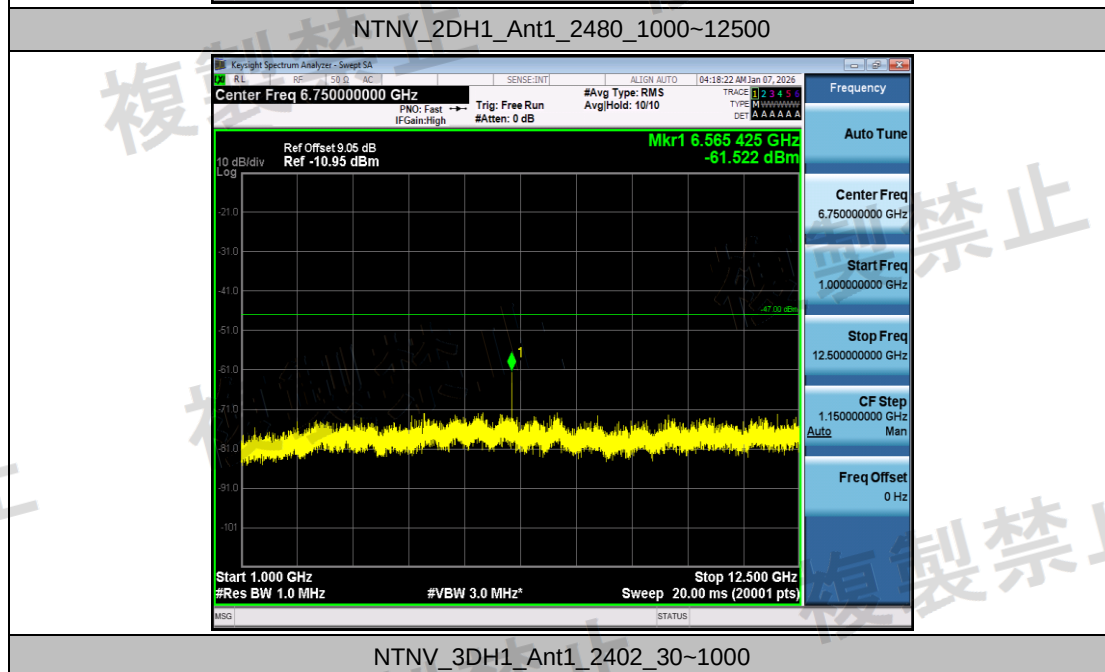
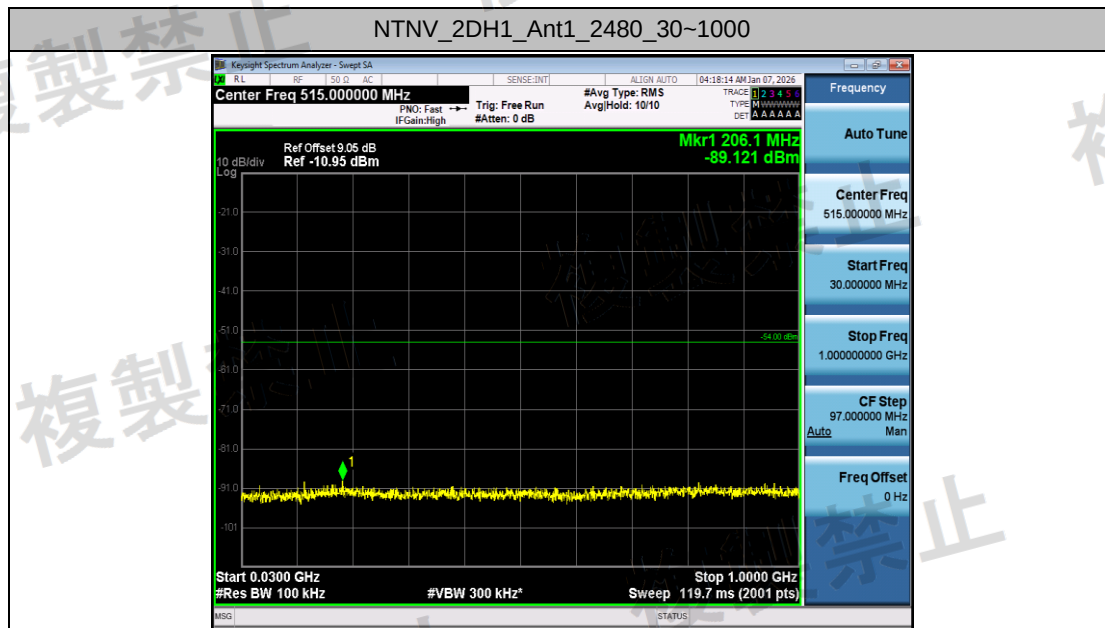


NTNV_2DH1_Ant1_2441_30~1000

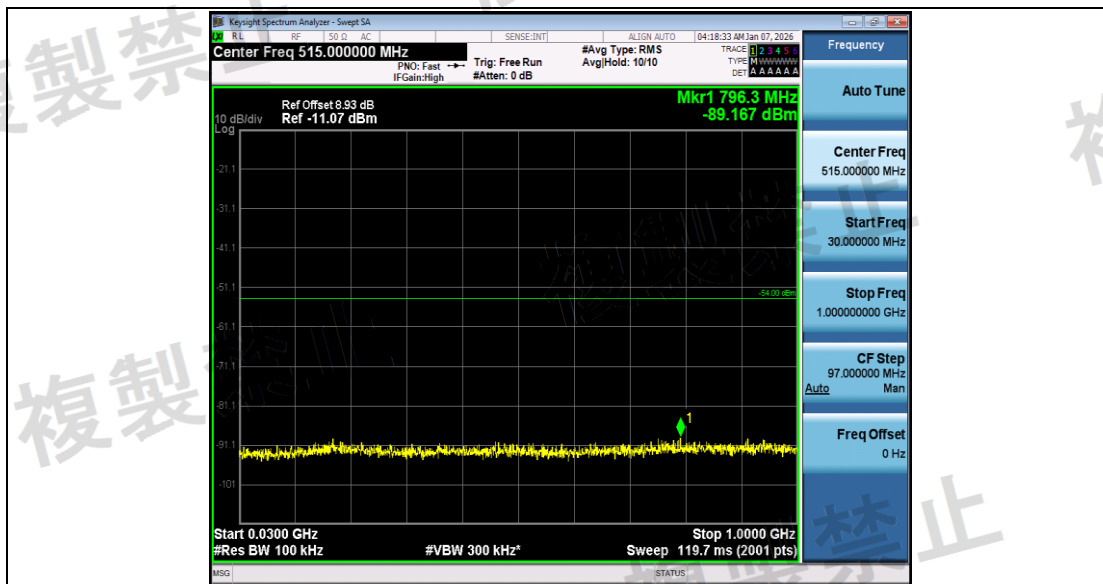


NTNV_2DH1_Ant1_2441_1000~12500

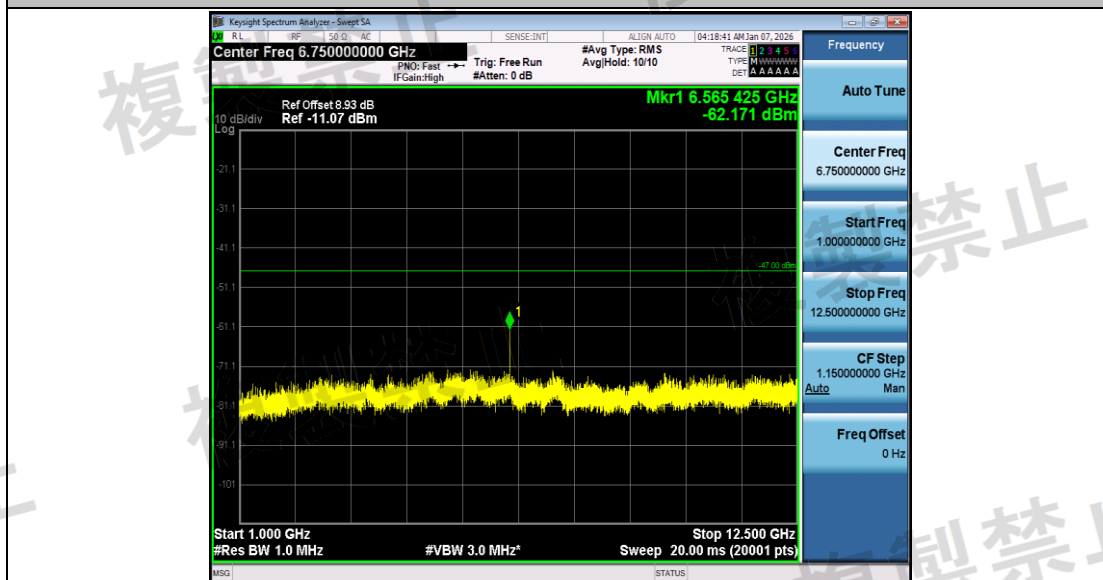




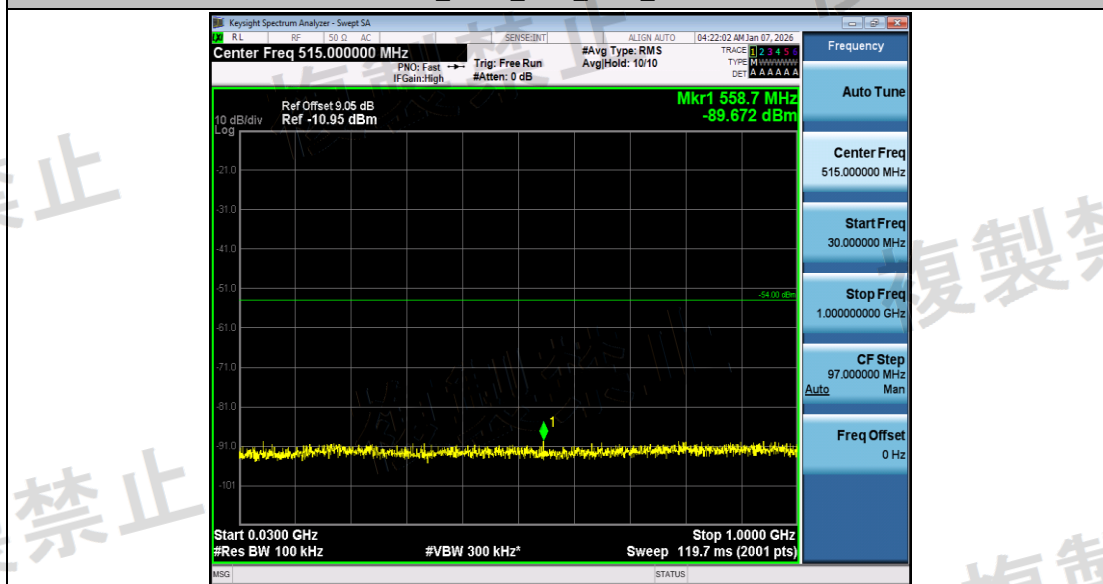
NTNV_3DH1_Ant1_2402_30~1000

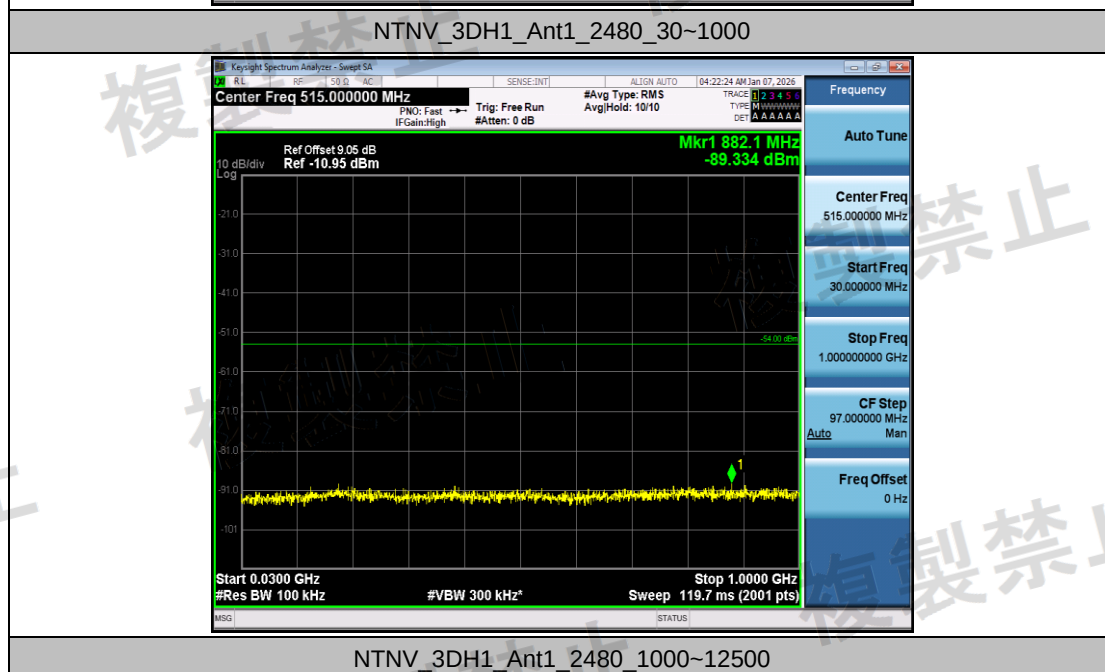
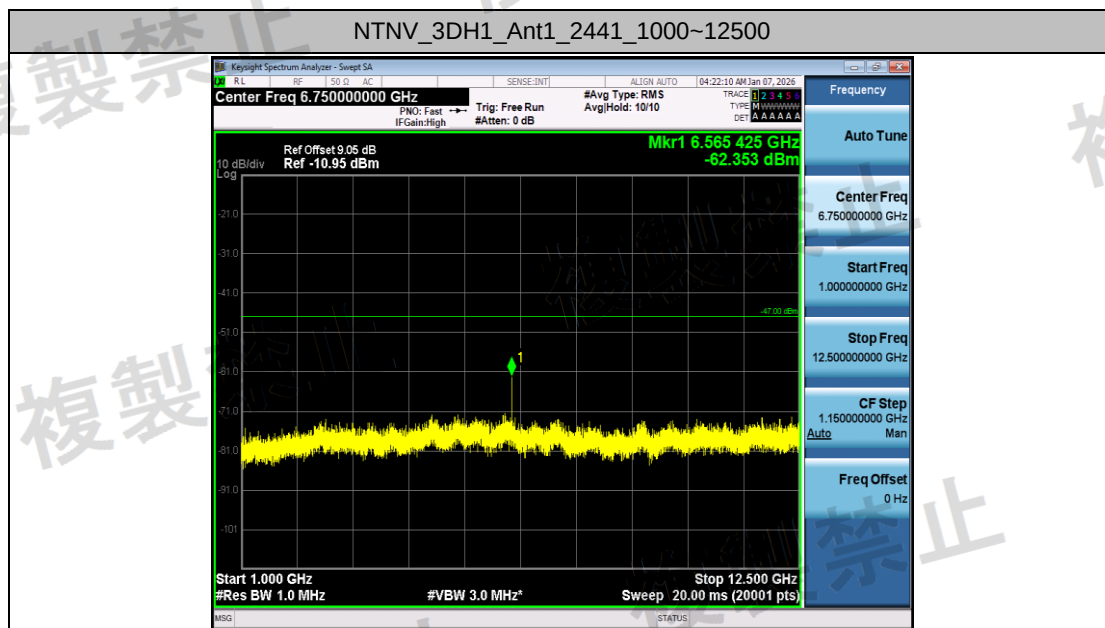


NTNV_3DH1_Ant1_2402_1000~12500

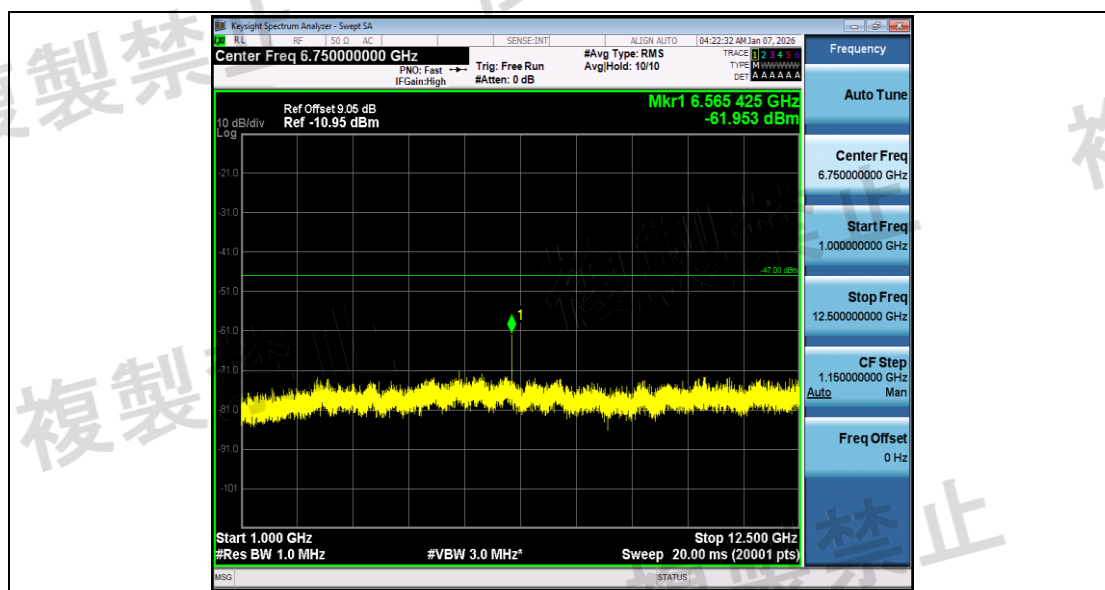


NTNV_3DH1_Ant1_2441_30~1000





NTNV_3DH1_Ant1_2480_1000~12500

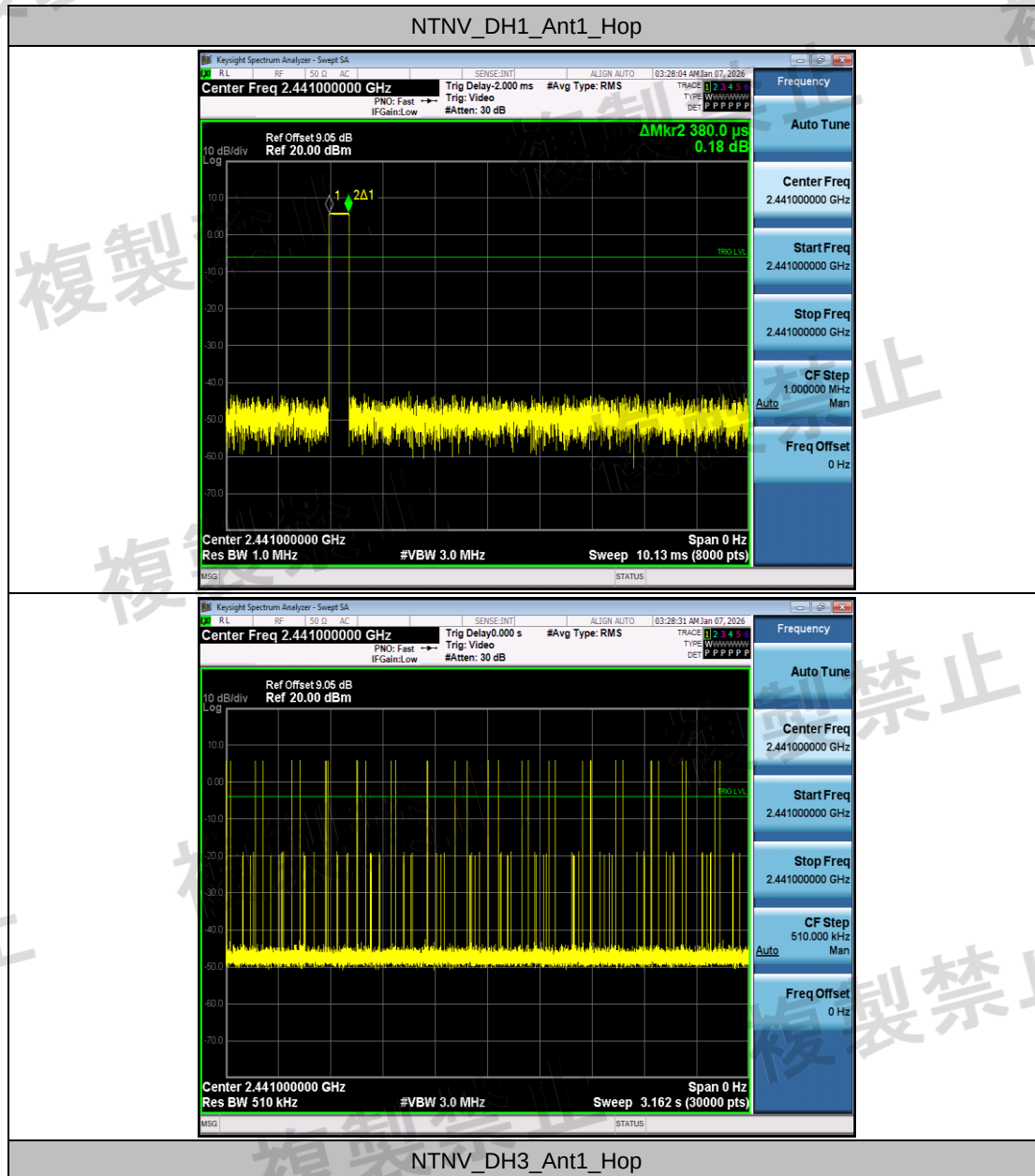


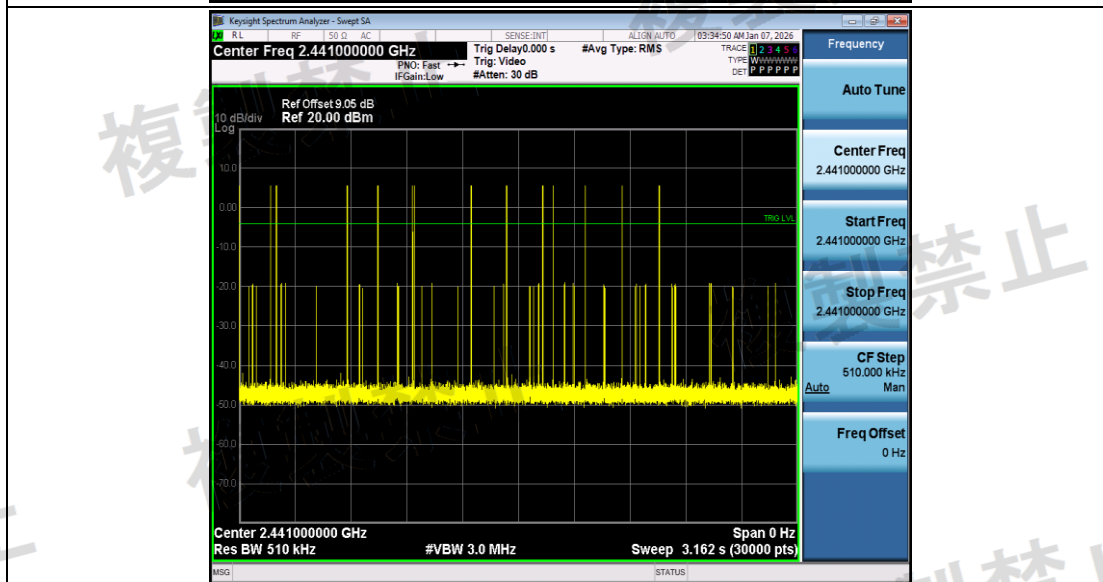
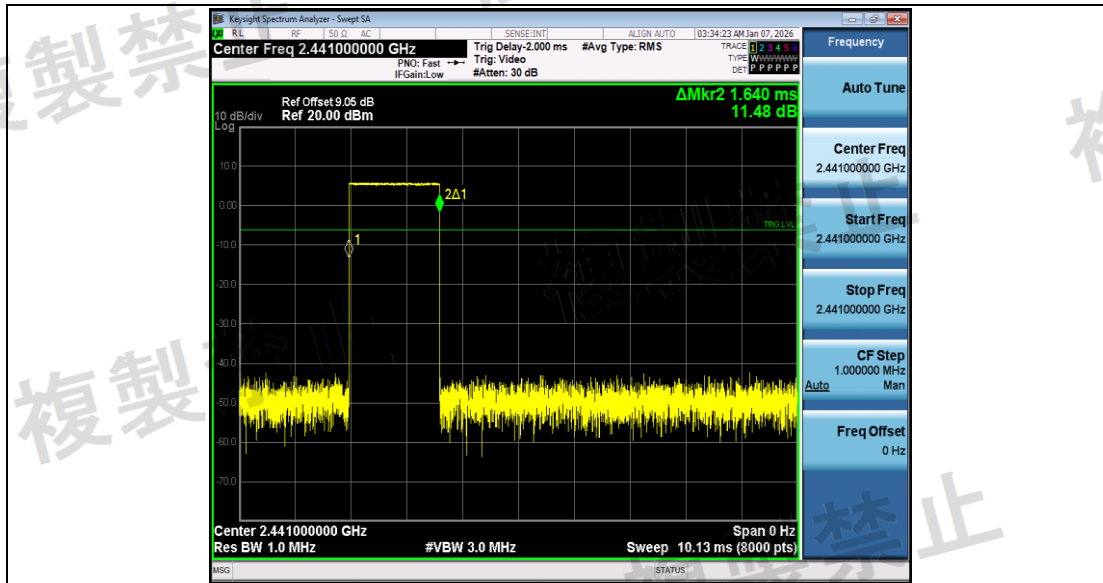
Appendix B.6:Dwell Time

Test Result

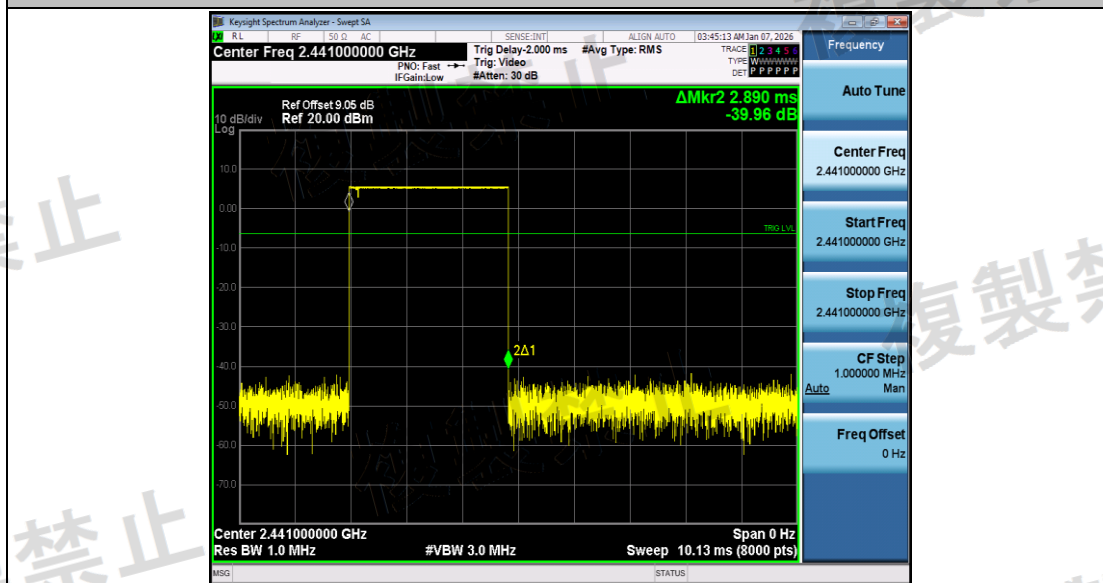
Test Condition	Test Mode	Antenna	Frequency [MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit [s]	Verdict
NTNV	DH1	Ant1	Hop	0.38	320	0.122	≤0.4	PASS
	DH3	Ant1	Hop	1.64	140	0.23	≤0.4	PASS
	DH5	Ant1	Hop	2.89	110	0.318	≤0.4	PASS
	2DH1	Ant1	Hop	0.39	330	0.129	≤0.4	PASS
	2DH3	Ant1	Hop	1.64	170	0.279	≤0.4	PASS
	2DH5	Ant1	Hop	2.89	120	0.347	≤0.4	PASS
	3DH1	Ant1	Hop	0.39	330	0.129	≤0.4	PASS
	3DH3	Ant1	Hop	1.64	160	0.262	≤0.4	PASS
	3DH5	Ant1	Hop	2.89	80	0.231	≤0.4	PASS

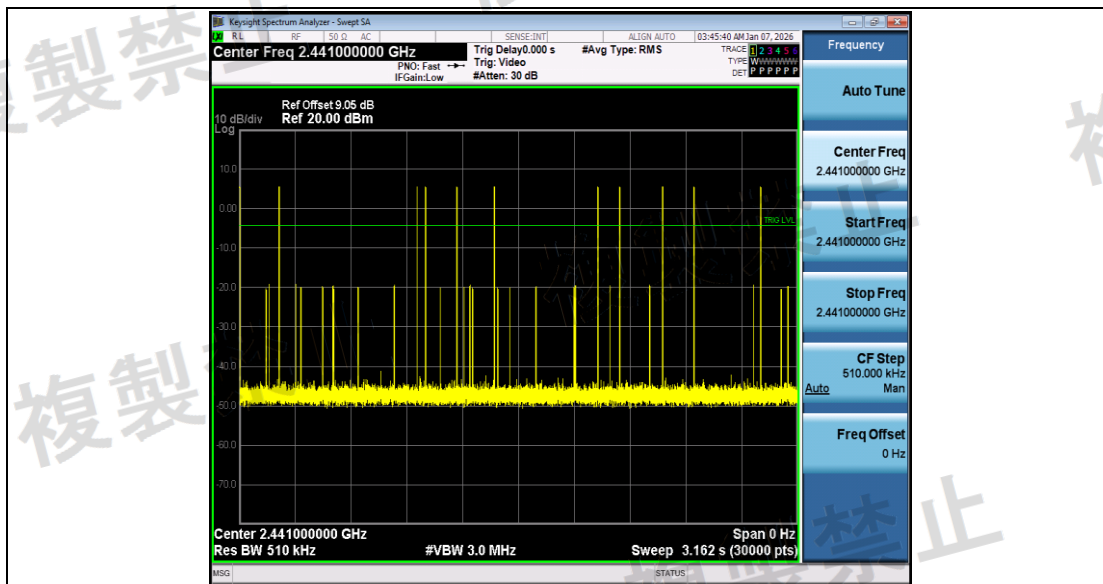
Test Graphs



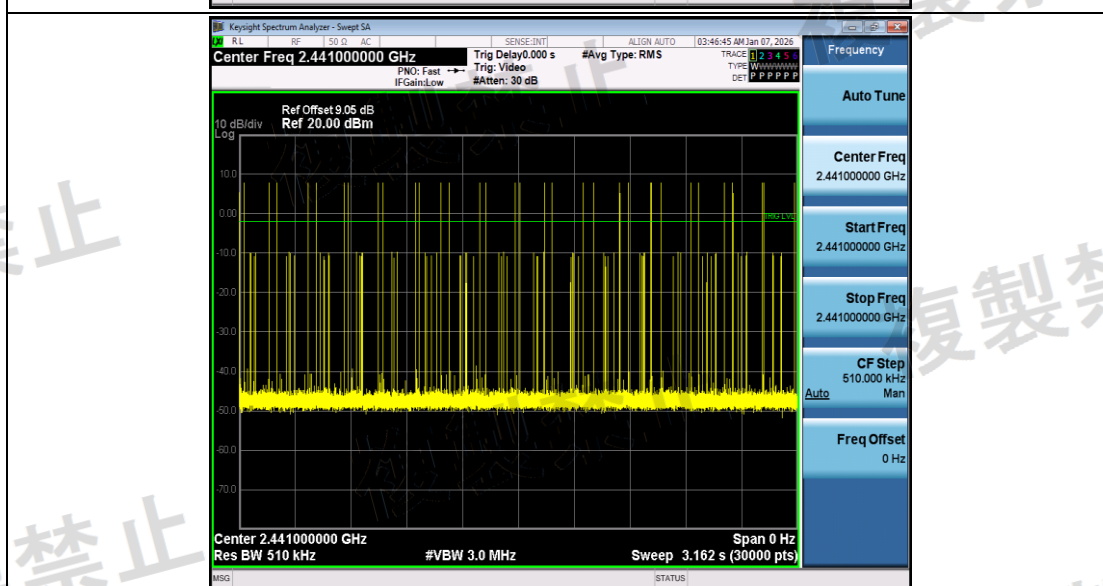
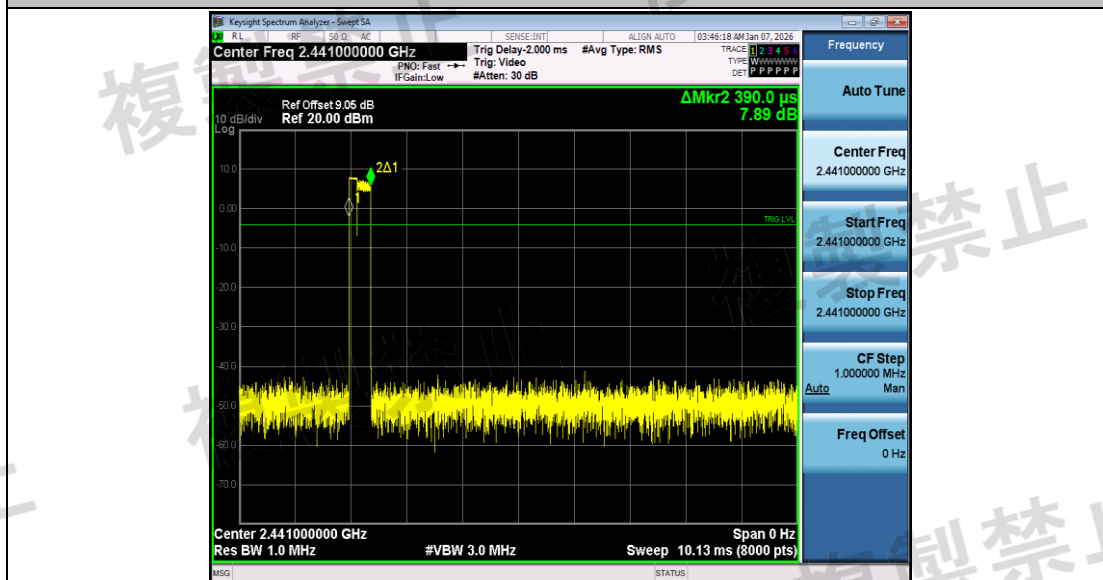


NTNV_DH5_Ant1_Hop

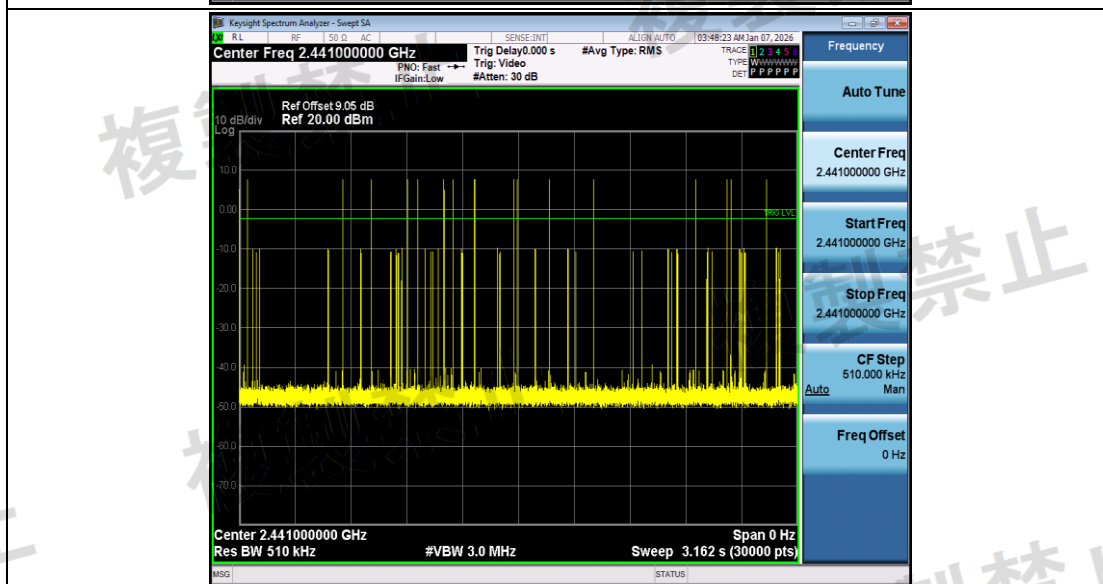
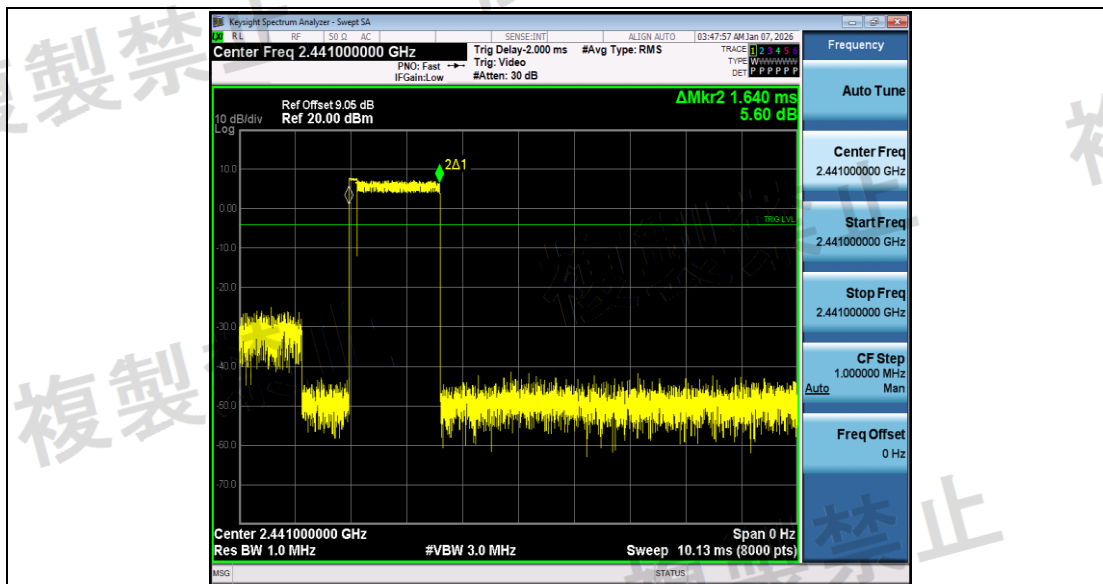




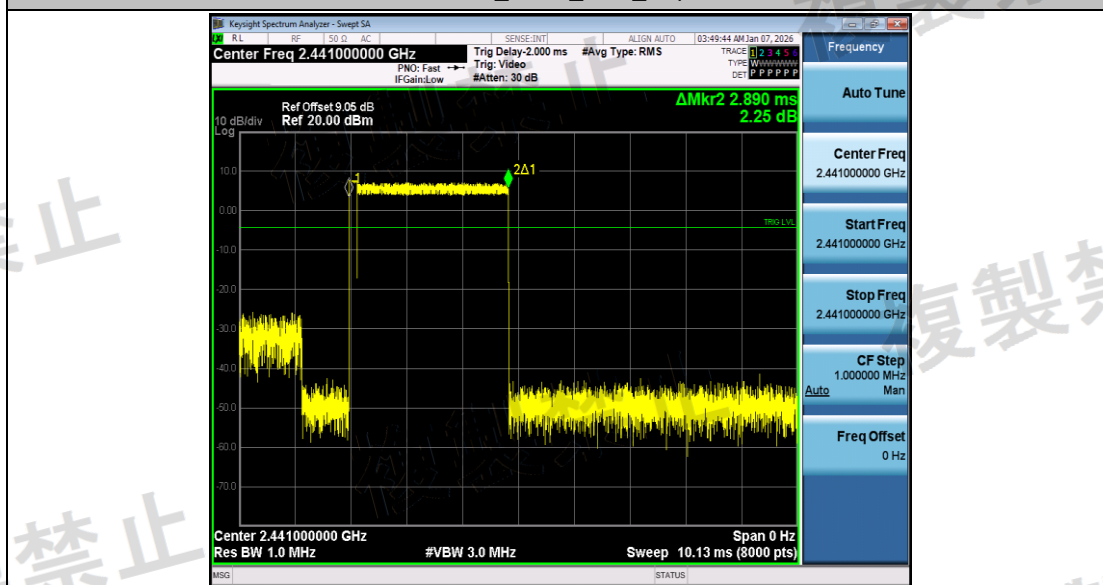
NTNV_2DH1_Ant1_Hop

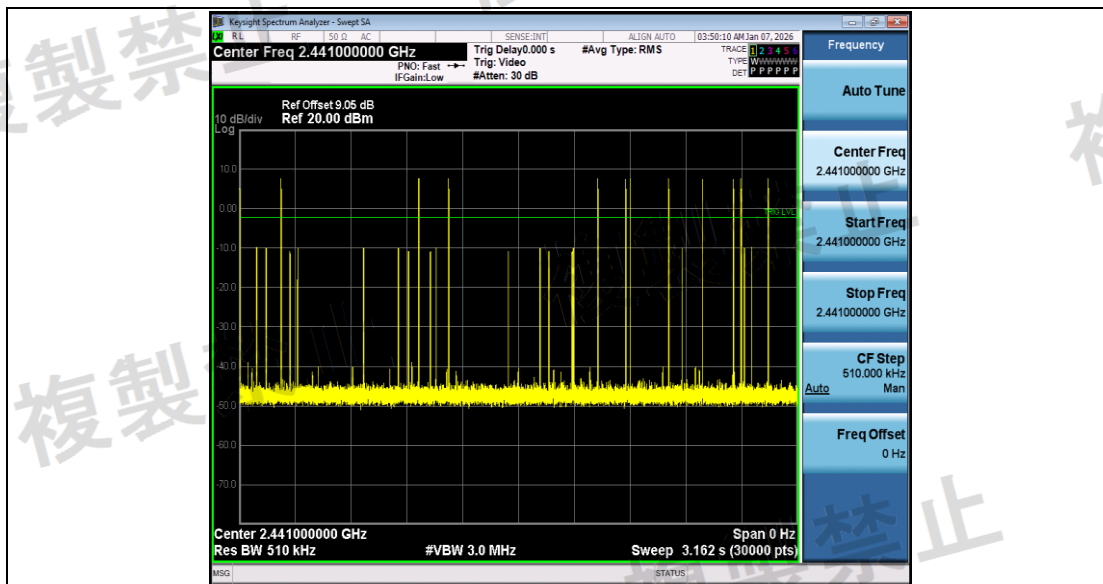


NTNV_2DH3_Ant1_Hop

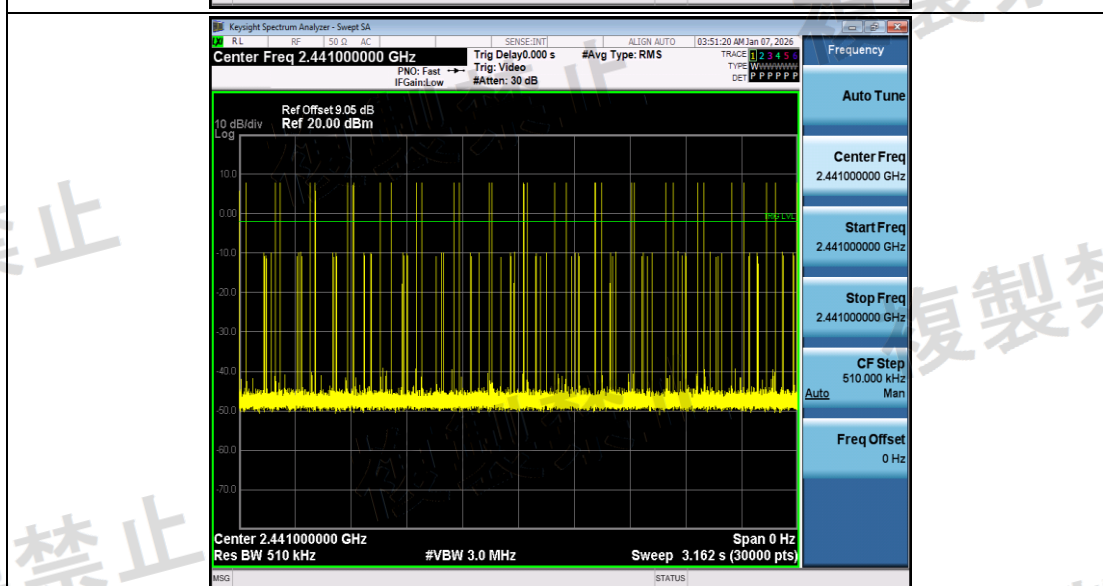
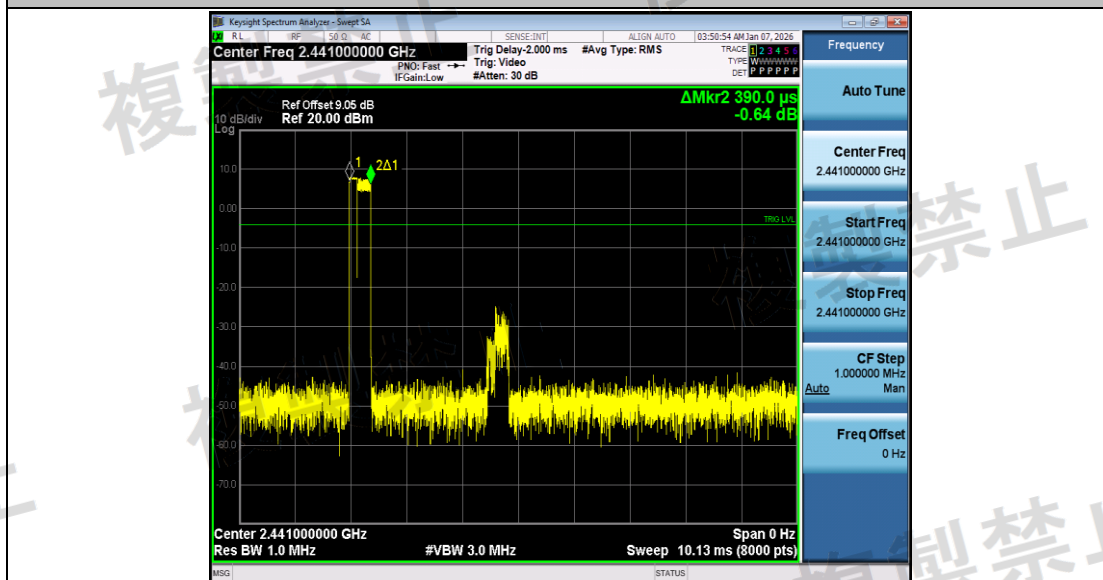


NTNV_2DH5_Ant1_Hop

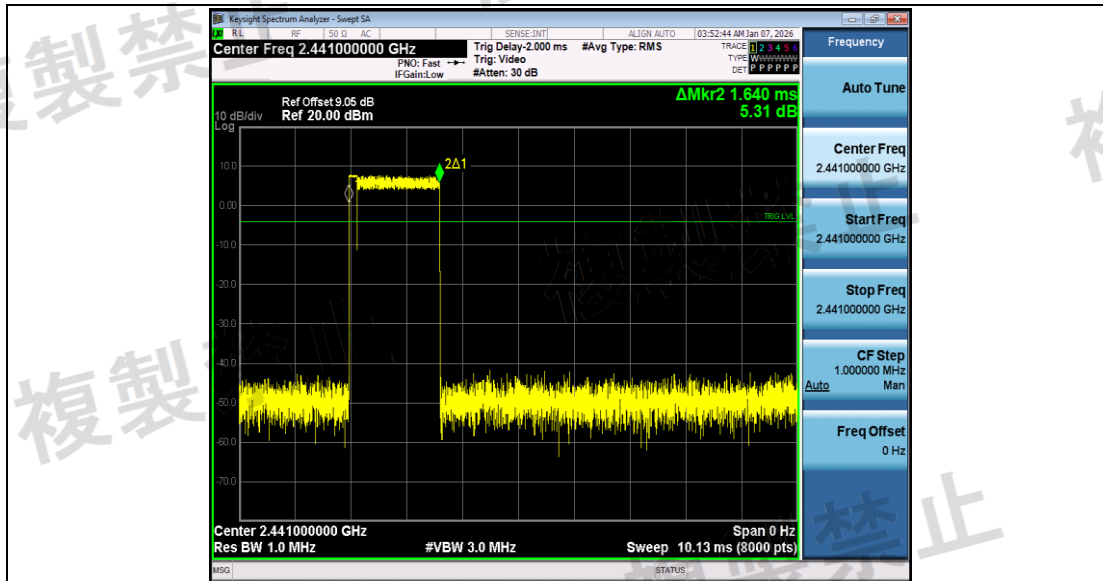




NTNV_3DH1_Ant1_Hop



NTNV_3DH3_Ant1_Hop



NTNV_3DH5_Ant1_Hop

