



Appendix B for BT LE Test Data

Product Name: 65-inch Indoor Wall Mount displays

Test Model: YT65J

Environmental Conditions

Temperature:	22.9°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun



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B.1 Frequency Error

Test Result

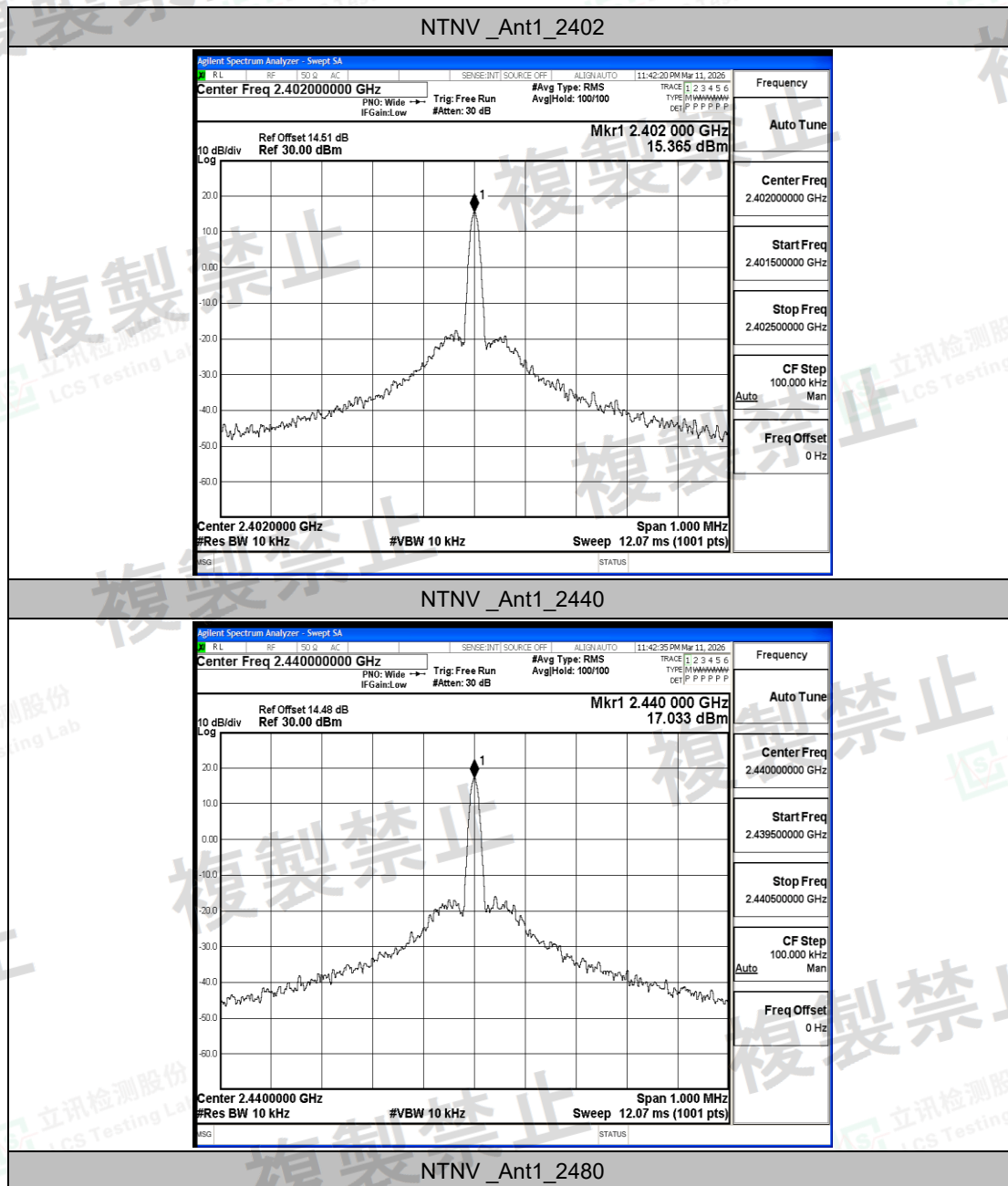
TestCondition	TestMode	Antenna	Frequency [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	Frequency Error	Ant1	2402	0.00000	±50	PASS
			2440	0.00000	±50	PASS
			2480	0.00000	±50	PASS

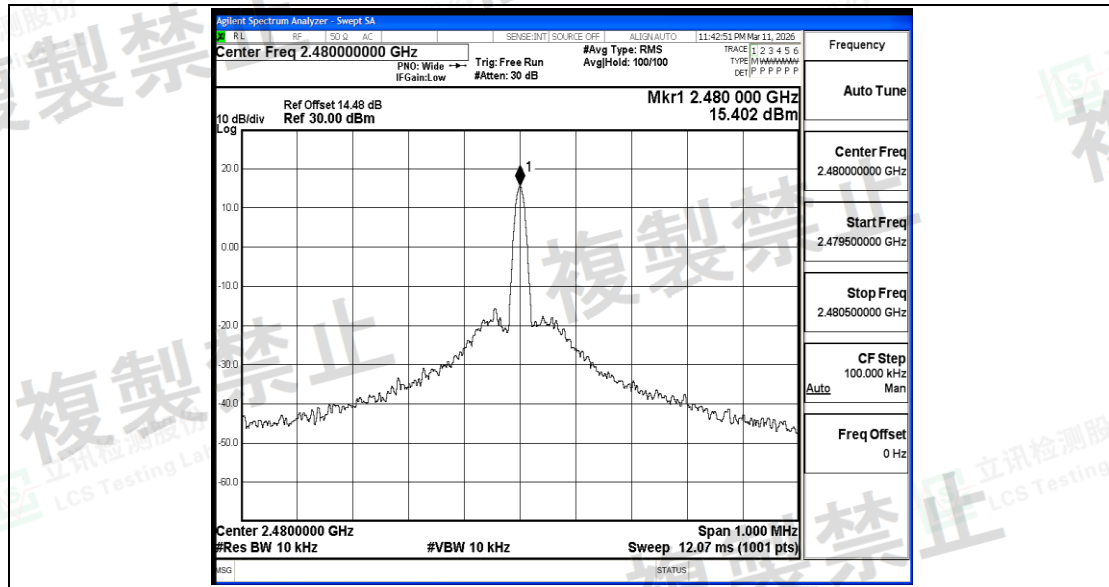


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Test Graphs





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B.2 Antenna Power & EIRP

Test Result

Antenna Power							
TestCondition	TestMode	Antenna	Frequency [MHz]	Result [dBm]	Result [mW]	Limit [mW]	Verdict
NTNV	BLE_1M	Ant	2402	5.23	3.33	≤10	PASS
			2440	5.78	3.78	≤10	PASS
			2480	5.42	3.48	≤10	PASS
	BLE_2M	Ant	2402	5.17	3.29	≤10	PASS
			2440	5.24	3.34	≤10	PASS
			2480	5.27	3.37	≤10	PASS

Tolerance								
Test Condition	Test Mode	Antenna	Frequency [MHz]	Power [mW]	Rated Power [mW]	Result [%]	Limit [%]	Verdict
NTNV	BLE_1M	Ant	2402	3.33	3.5	-4.86	+20	PASS
			2440	3.78	3.5	8.00	+20	PASS
			2480	3.48	3.5	-0.57	+20	PASS
	BLE_2M	Ant	2402	3.29	3.5	-6.00	+20	PASS
			2440	3.34	3.5	-4.57	+20	PASS
			2480	3.37	3.5	-3.71	+20	PASS

EIRP								
TestCondition	TestMode	Antenna	Frequency [MHz]	Measured Power (dBm)	Antenna gain (dBi)	EIRP (dBm)	Limit (dBm)	Verdict
NTNV	BLE_1M	Ant	2402	5.23	4.63	9.86	≤12.14	PASS
			2440	5.78	4.63	10.41	≤12.14	PASS
			2480	5.42	4.63	10.05	≤12.14	PASS
	BLE_2M	Ant	2402	5.17	4.63	9.80	≤12.14	PASS
			2440	5.24	4.63	9.87	≤12.14	PASS
			2480	5.27	4.63	9.90	≤12.14	PASS



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B.3 Occupied Bandwidth

Test Result

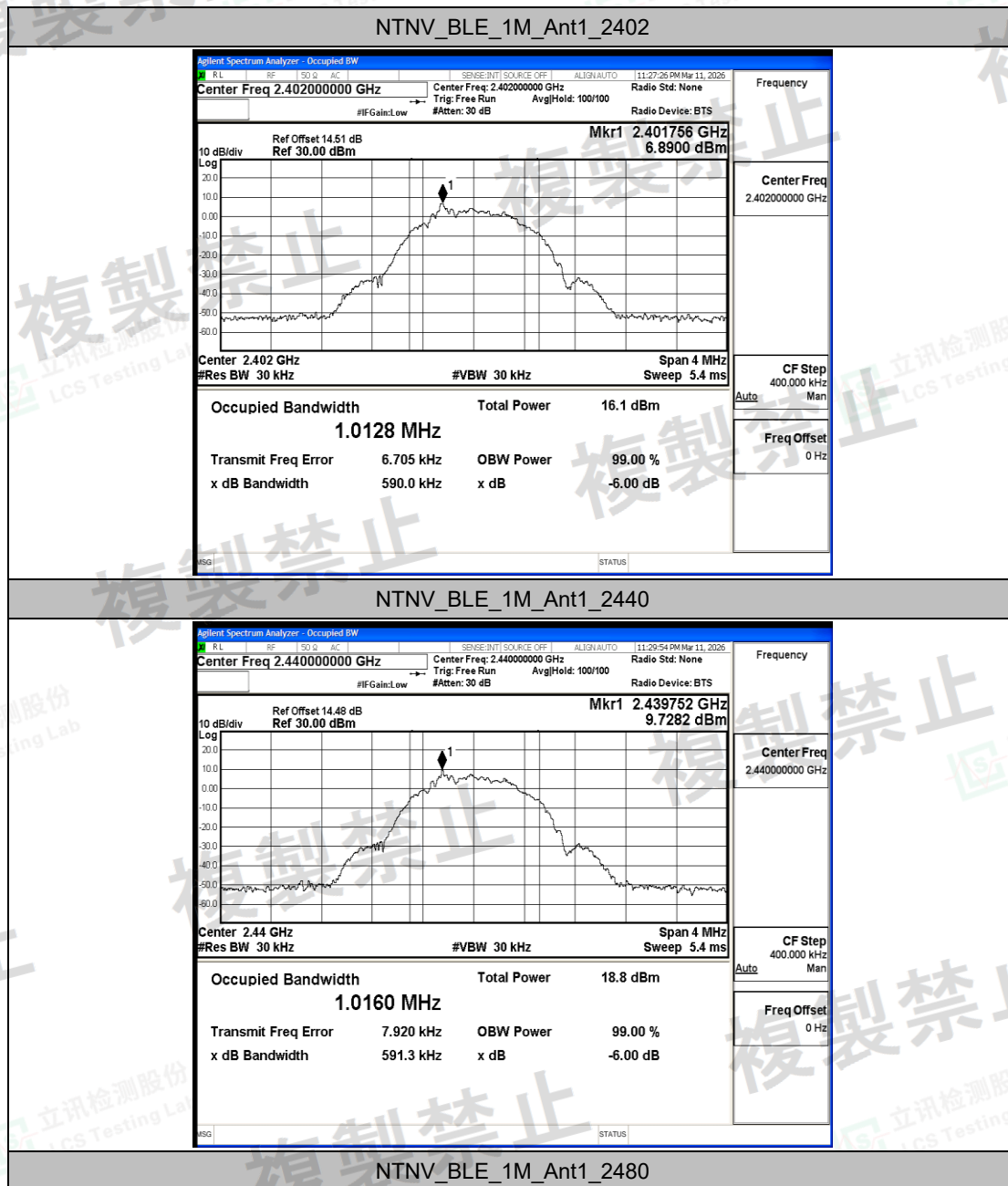
TestCondition	TestMode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	1.013	≤26	PASS
			2440	1.016	≤26	PASS
			2480	1.018	≤26	PASS
	BLE_2M	Ant1	2402	2.017	≤26	PASS
			2440	2.021	≤26	PASS
			2480	2.019	≤26	PASS



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Test Graphs

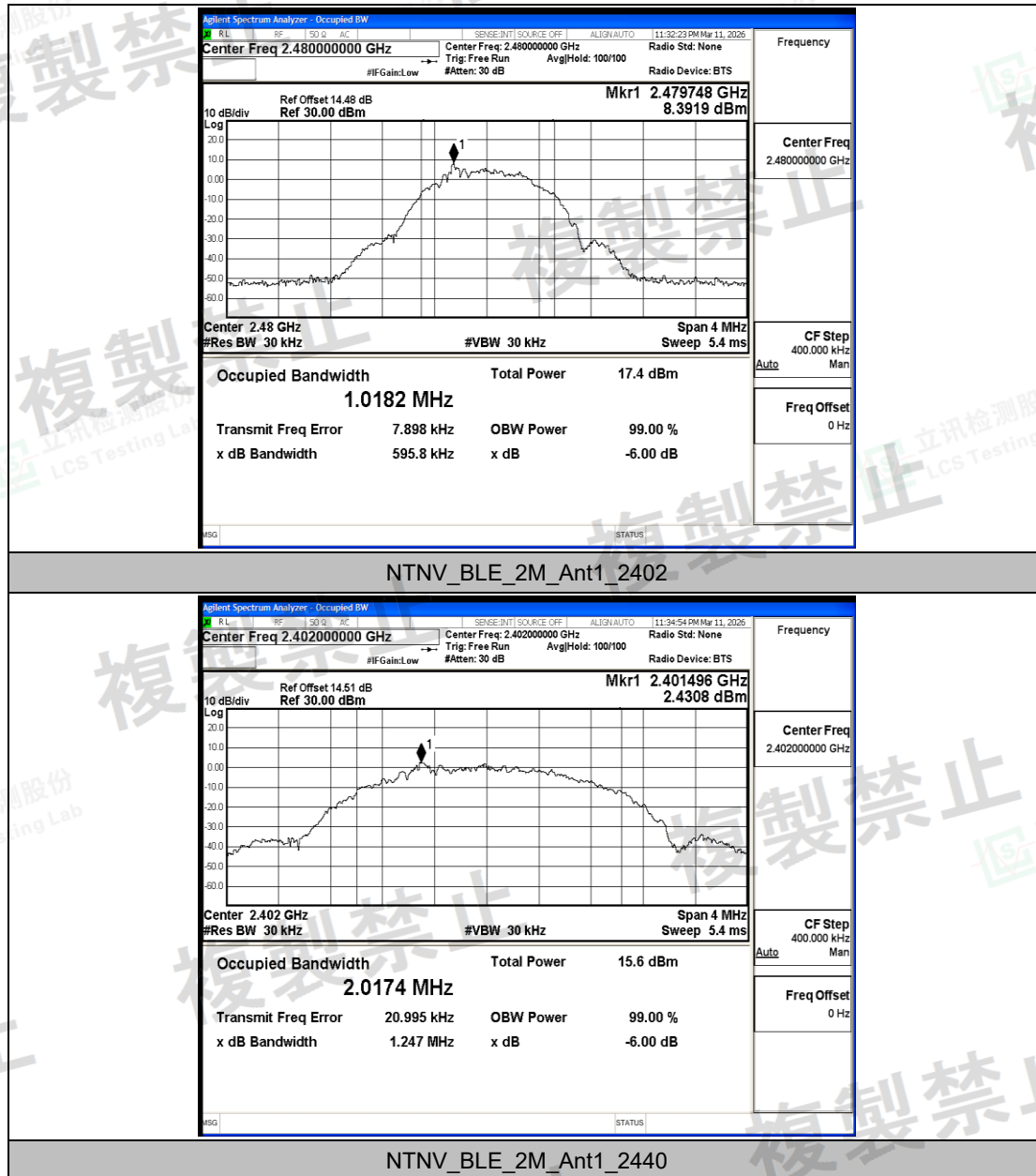


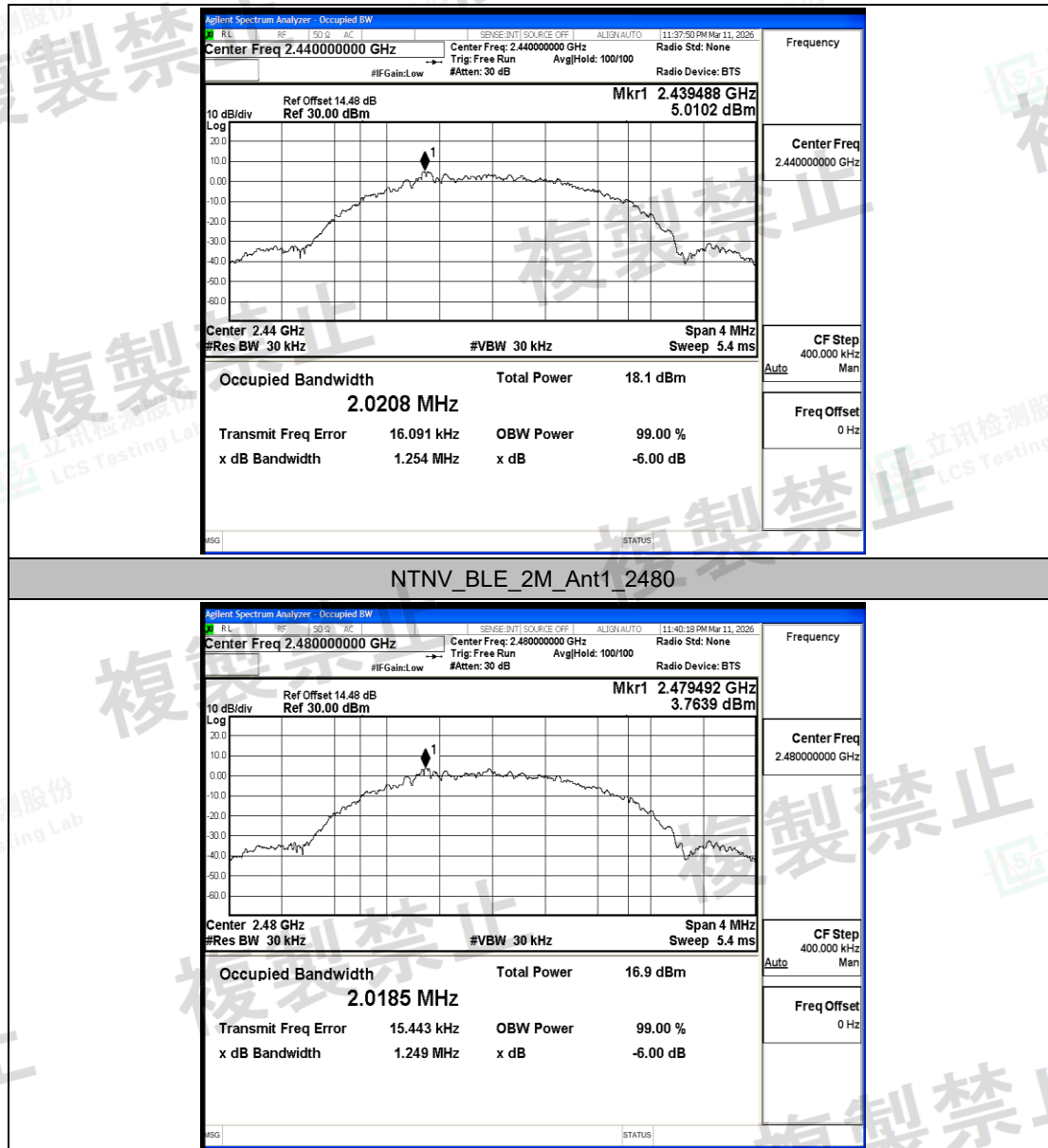
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B.4 Spread Bandwidth

Test Result

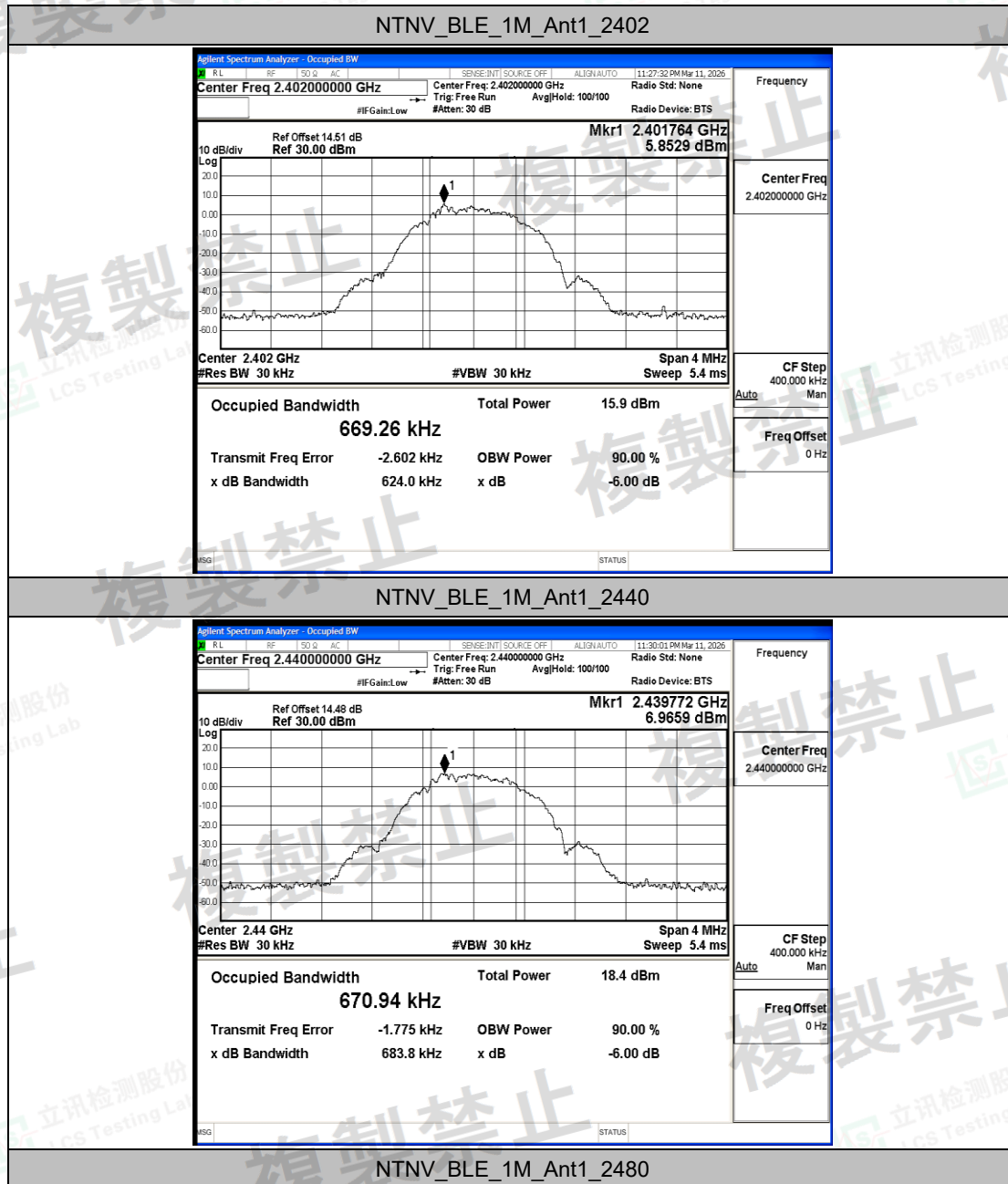
TestCondition	TestMode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	0.669	---	PASS
			2440	0.671	---	PASS
			2480	0.660	---	PASS
	BLE_2M	Ant1	2402	1.334	---	PASS
			2440	1.328	---	PASS
			2480	1.329	---	PASS



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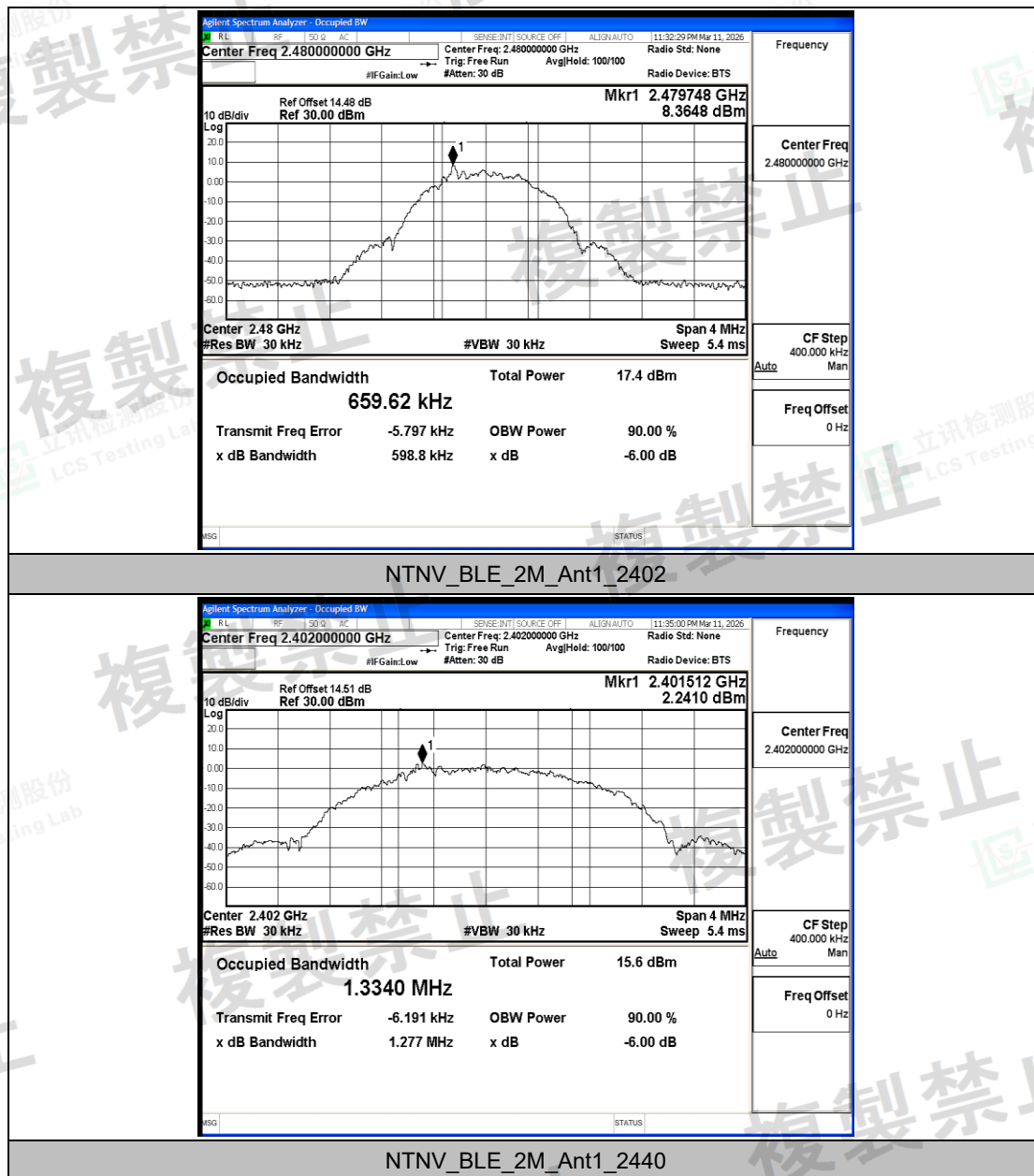


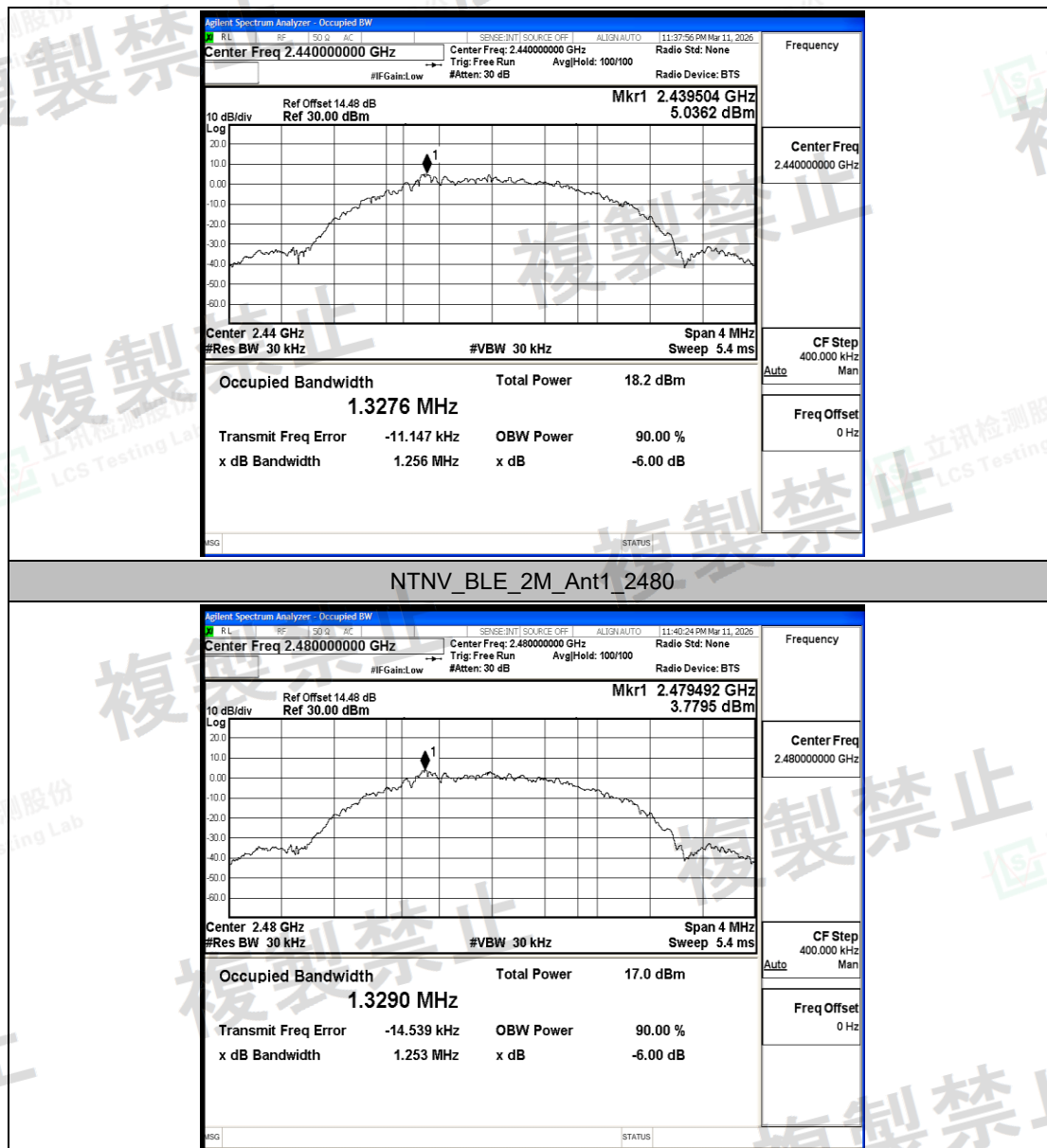
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**B.5 Spurious Emission of TX****Test Result**

TestCondition	TestMode	Antenna	Frequency [MHz]	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	-53.60	≤-26	0.00437	≤2.5	PASS
				1000~2387	-50.32	≤-26	0.00929	≤2.5	PASS
				2387~2400	-33.86	≤-16	0.41115	≤25	PASS
				2483.5~2496.5	-43.04	≤-16	0.04966	≤25	PASS
				2496.5~13000	-45.47	≤-26	0.02838	≤2.5	PASS
			2440	30~1000	-53.82	≤-26	0.00415	≤2.5	PASS
				1000~2387	-52.87	≤-26	0.00516	≤2.5	PASS
				2387~2400	-43.25	≤-16	0.04732	≤25	PASS
				2483.5~2496.5	-43.33	≤-16	0.04645	≤25	PASS
				2496.5~13000	-45.42	≤-26	0.02871	≤2.5	PASS
		2480	2480	30~1000	-53.65	≤-26	0.00432	≤2.5	PASS
				1000~2387	-52.65	≤-26	0.00543	≤2.5	PASS
				2387~2400	-43.14	≤-16	0.04853	≤25	PASS
				2483.5~2496.5	-43.22	≤-16	0.04764	≤25	PASS
				2496.5~13000	-45.30	≤-26	0.02951	≤2.5	PASS
	BLE_2M	Ant1	2402	30~1000	-53.76	≤-26	0.00421	≤2.5	PASS
				1000~2387	-52.47	≤-26	0.00566	≤2.5	PASS
				2387~2400	-18.07	≤-16	15.59553	≤25	PASS
				2483.5~2496.5	-43.29	≤-16	0.04688	≤25	PASS
				2496.5~13000	-40.07	≤-26	0.09840	≤2.5	PASS
			2440	30~1000	-53.81	≤-26	0.00416	≤2.5	PASS
				1000~2387	-52.74	≤-26	0.00532	≤2.5	PASS
				2387~2400	-43.43	≤-16	0.04539	≤25	PASS
				2483.5~2496.5	-43.19	≤-16	0.04797	≤25	PASS
				2496.5~13000	-39.41	≤-26	0.11455	≤2.5	PASS
		2480	2480	30~1000	-53.77	≤-26	0.00420	≤2.5	PASS
				1000~2387	-52.85	≤-26	0.00519	≤2.5	PASS
				2387~2400	-43.51	≤-16	0.04457	≤25	PASS
				2483.5~2496.5	-43.21	≤-16	0.04775	≤25	PASS
				2496.5~13000	-45.07	≤-26	0.03112	≤2.5	PASS

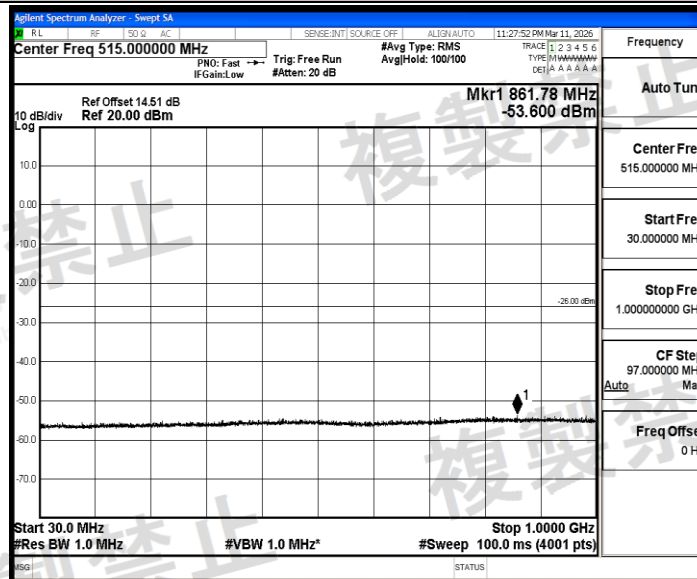


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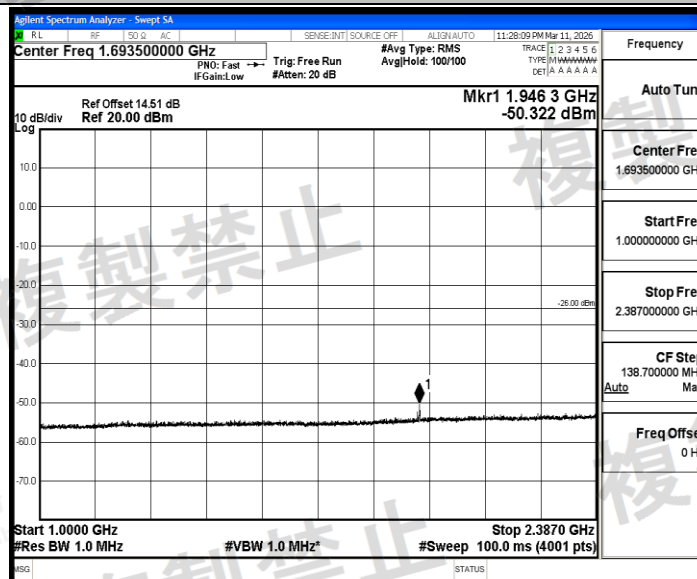


Test Graphs

NTNV_BLE_1M_Ant1_2402_30~1000

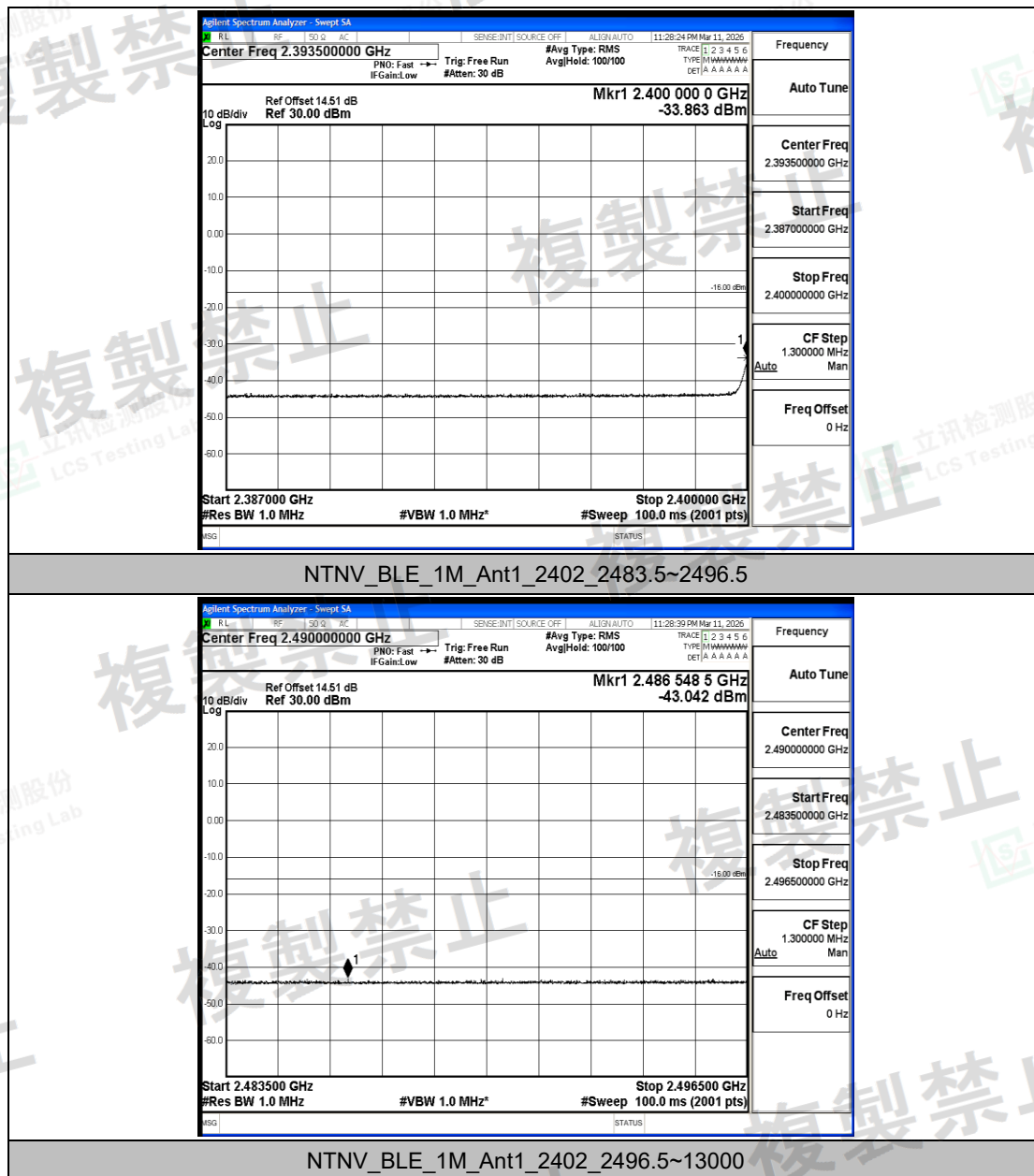


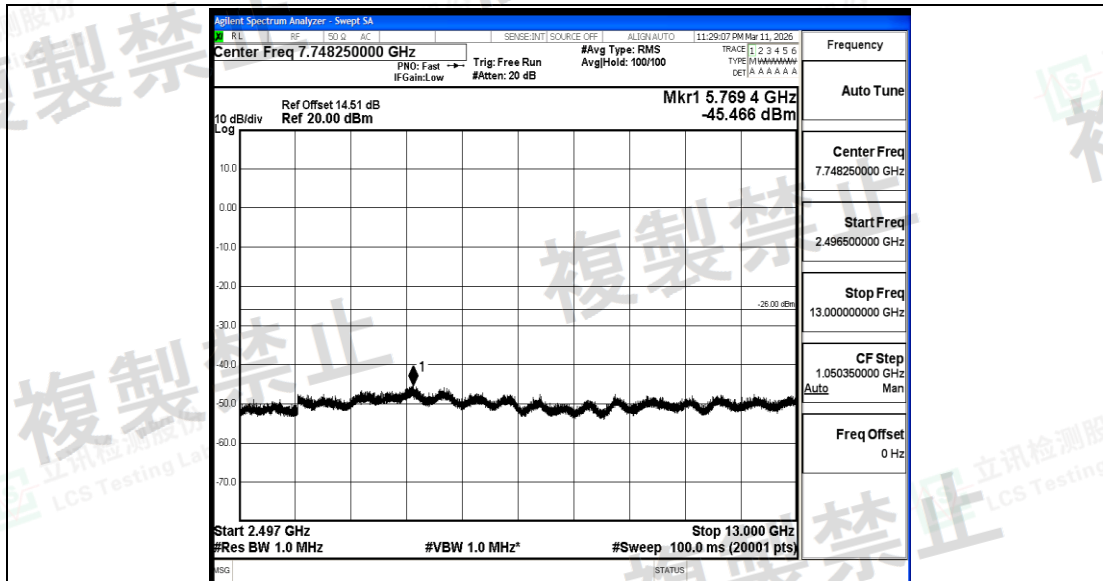
NTNV_BLE_1M_Ant1_2402_1000~2387



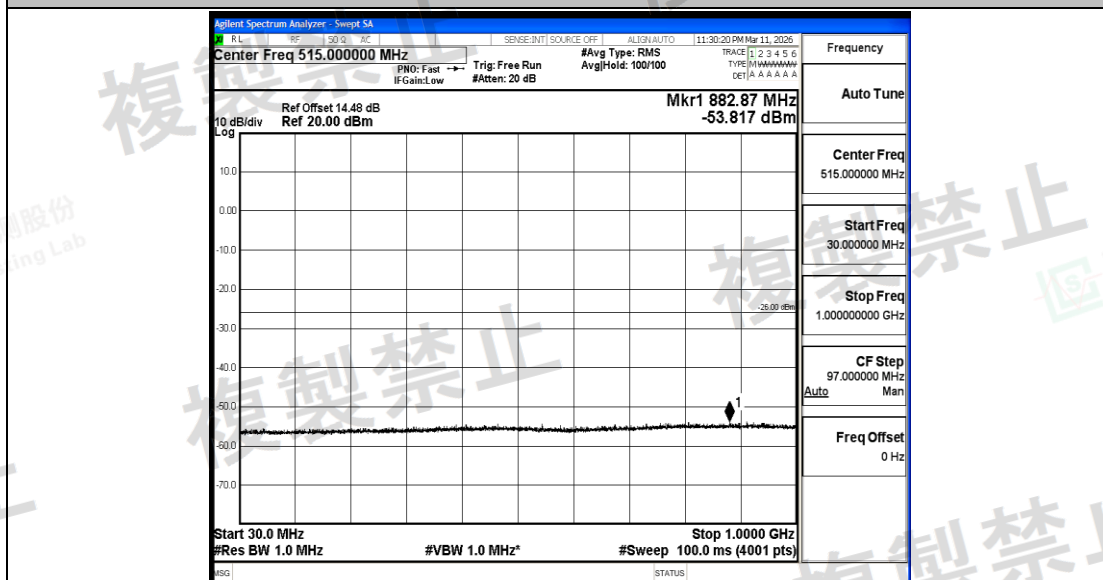
NTNV_BLE_1M_Ant1_2402_2387~2400







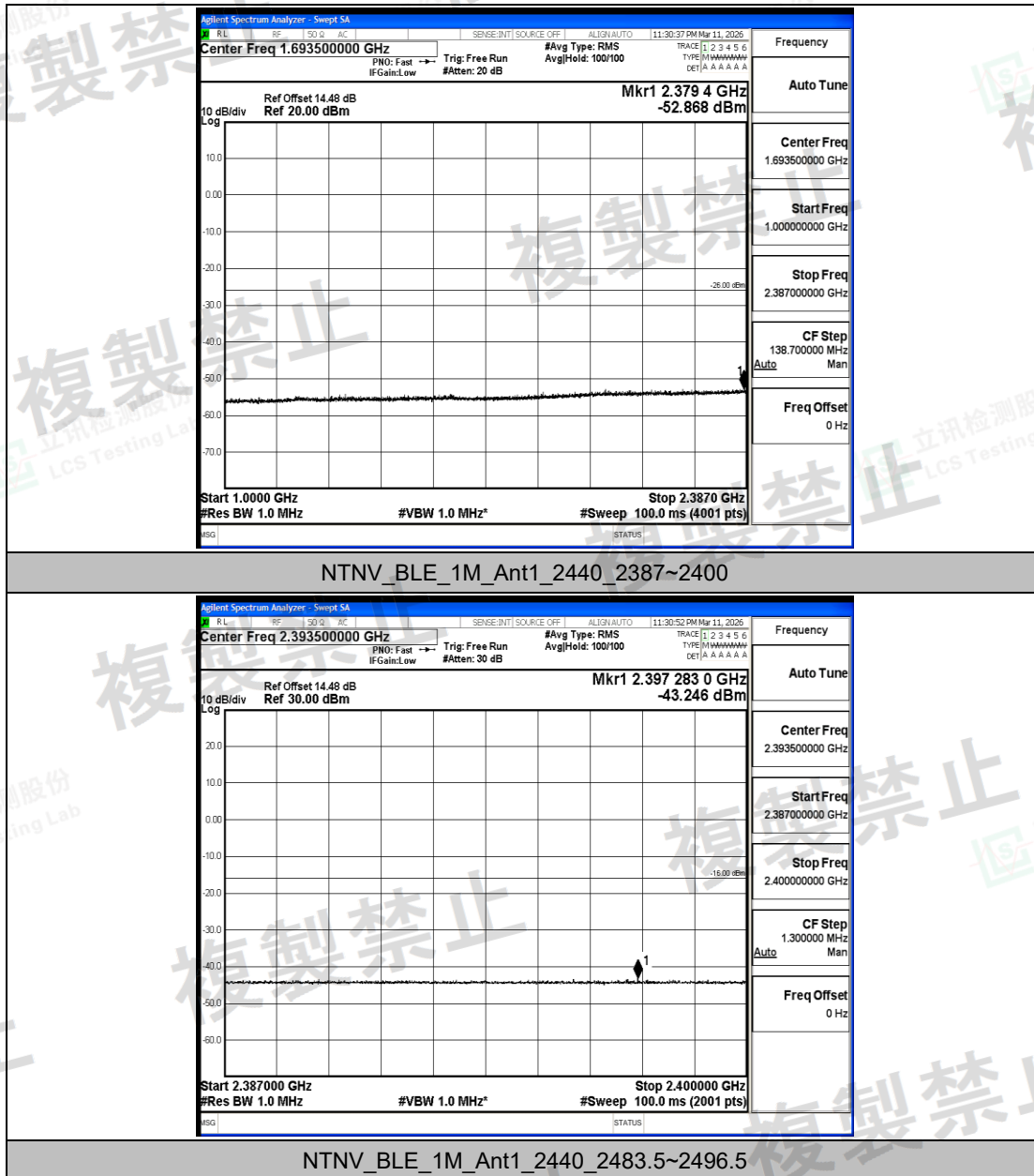
NTNV_BLE_1M_Ant1_2440_30~1000



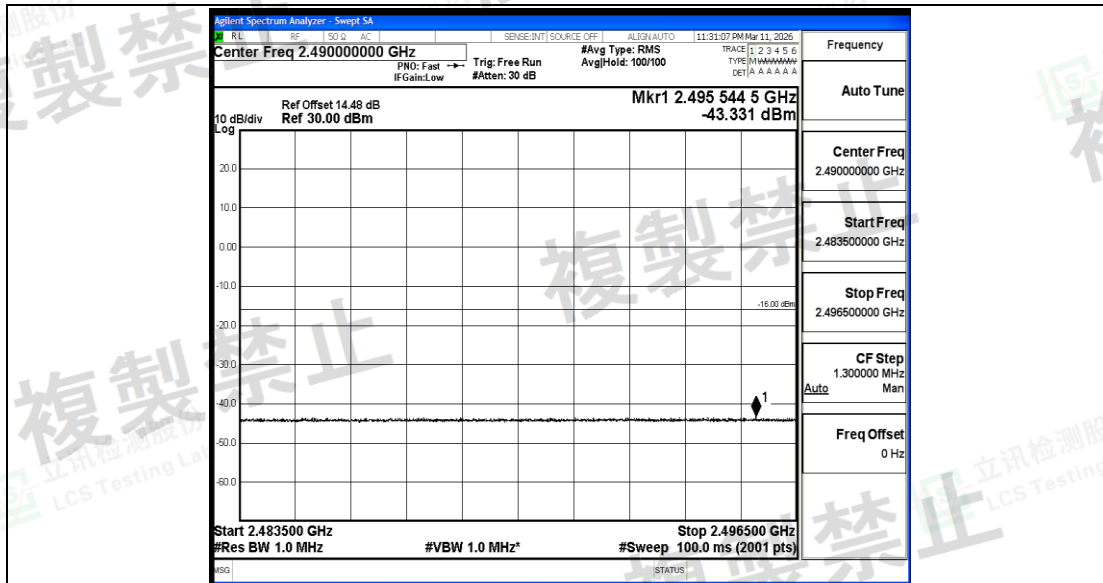
NTNV_BLE_1M_Ant1_2440_1000~2387



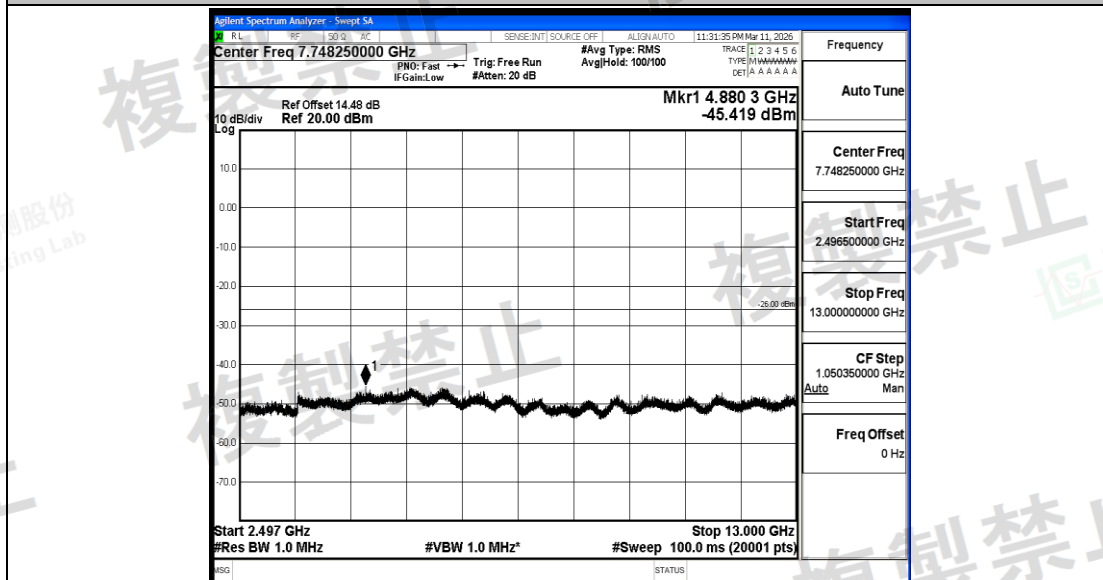
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NTNV_BLE_1M_Ant1_2440_2496.5~13000



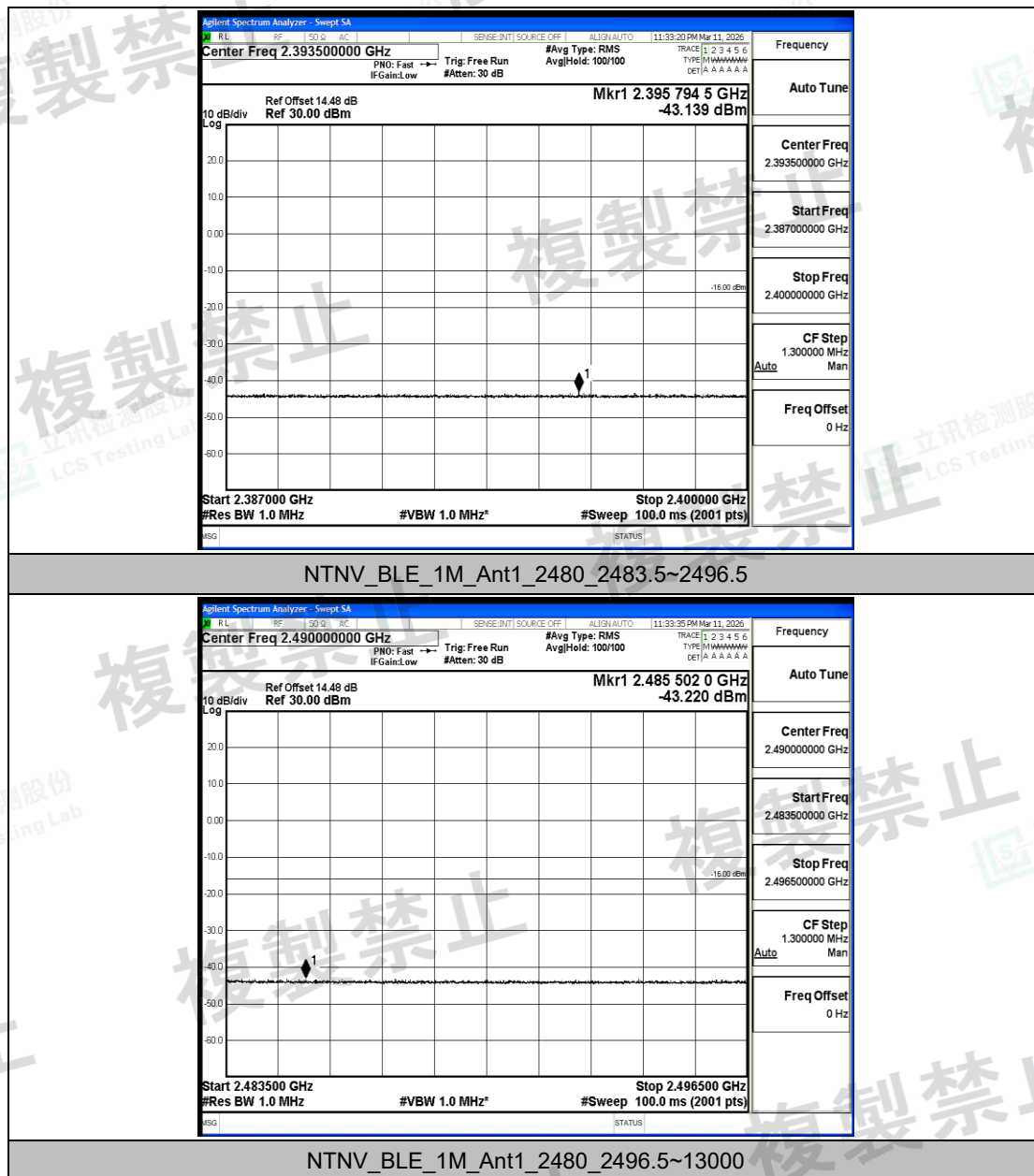
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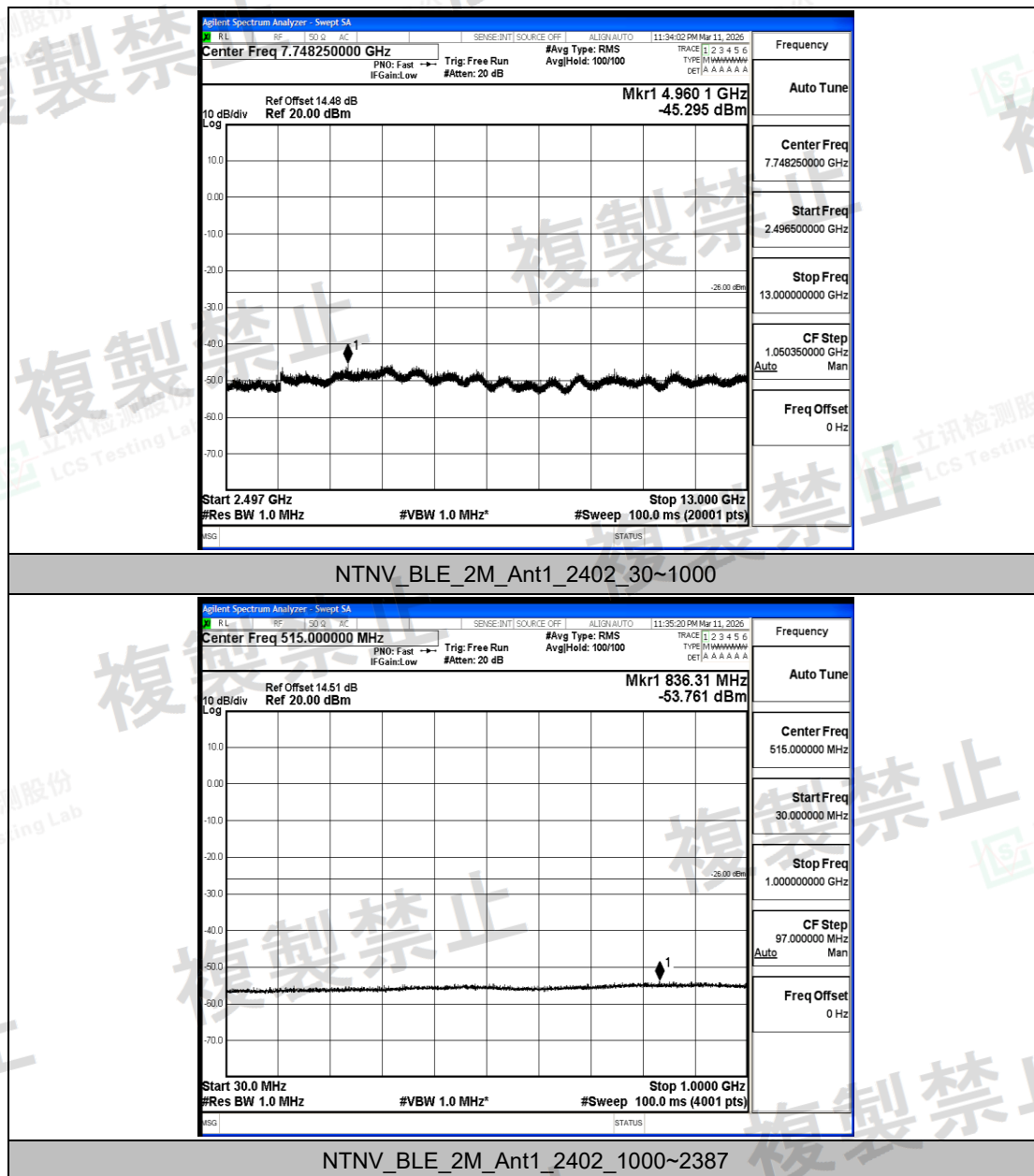


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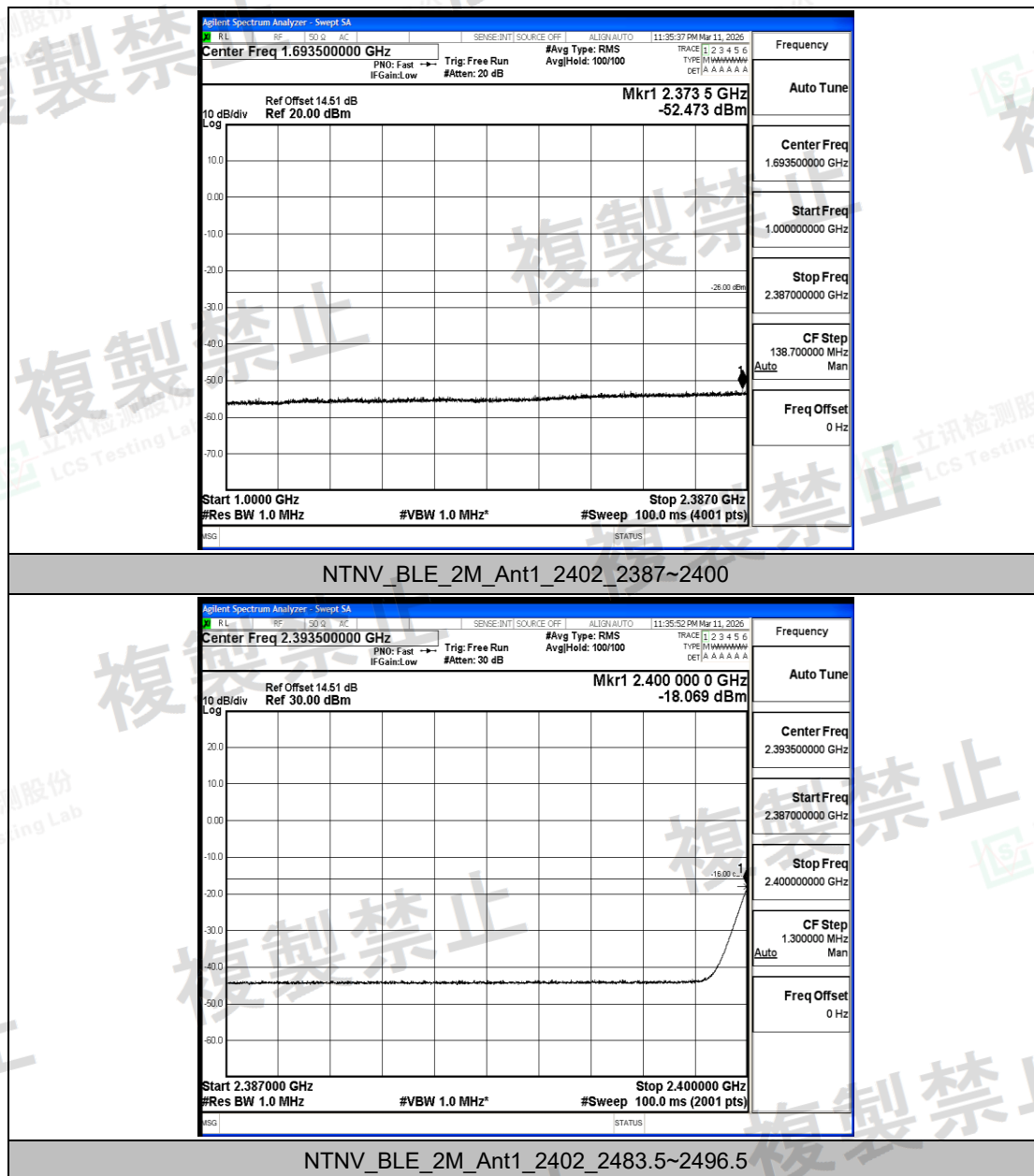


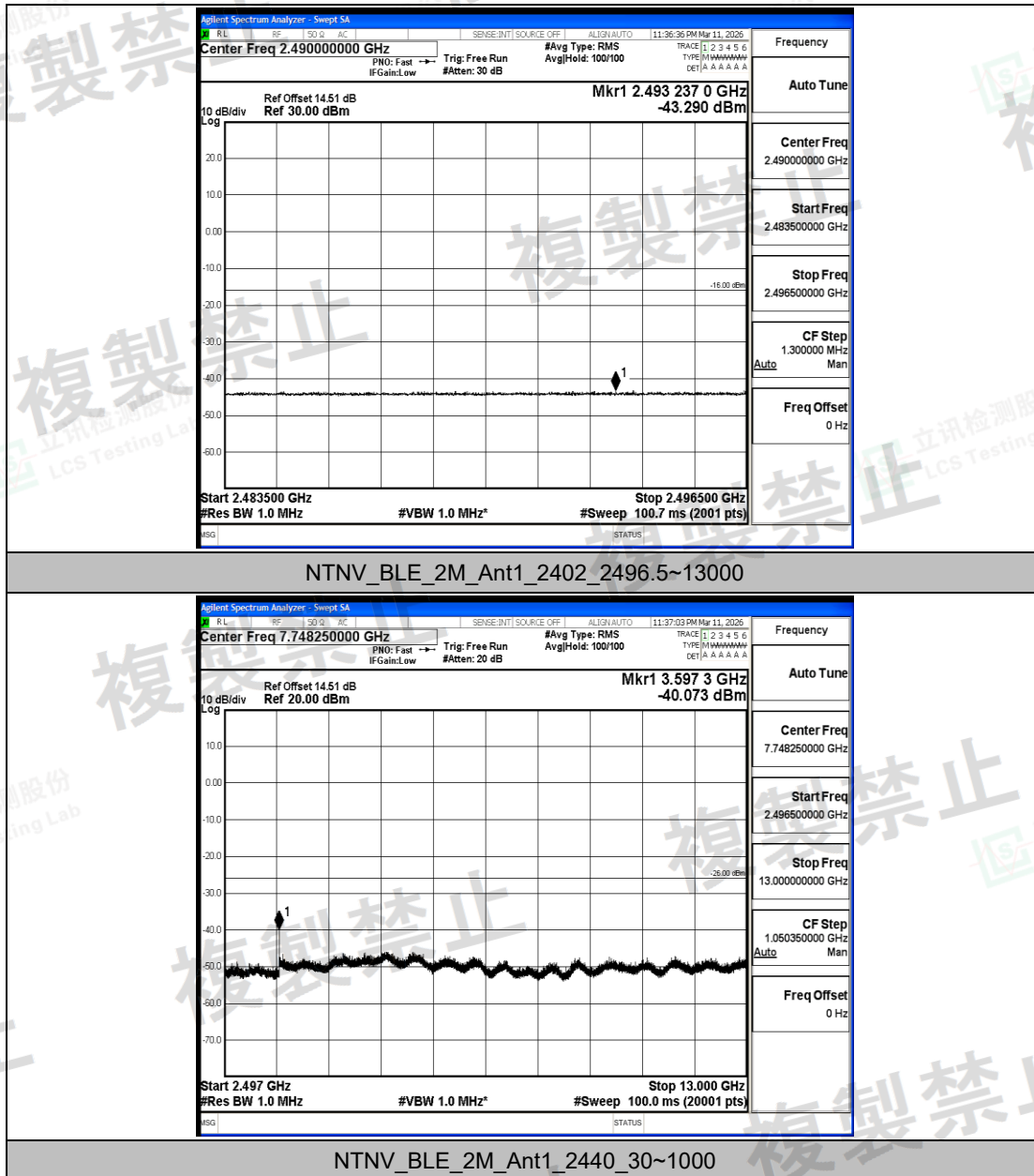
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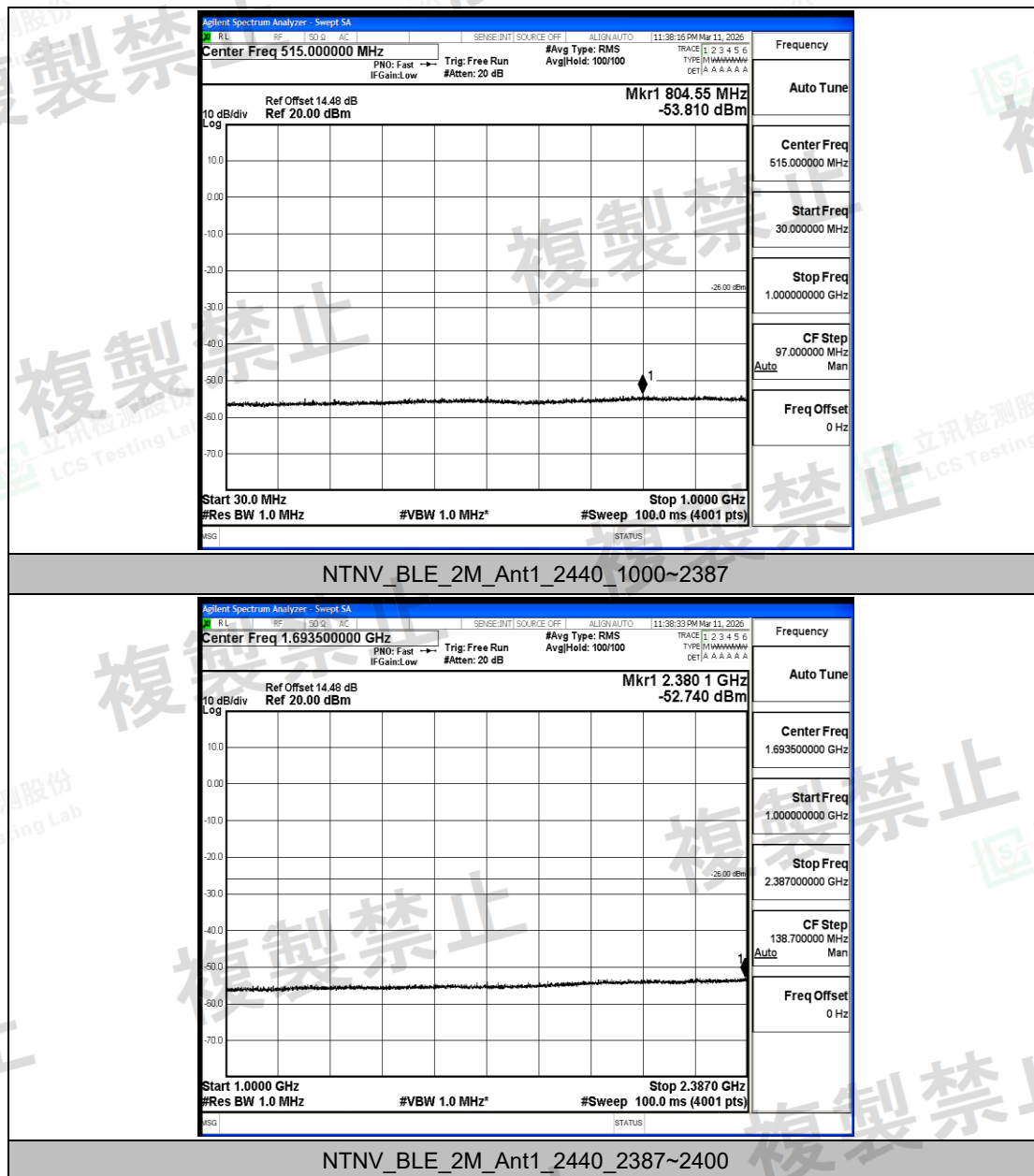


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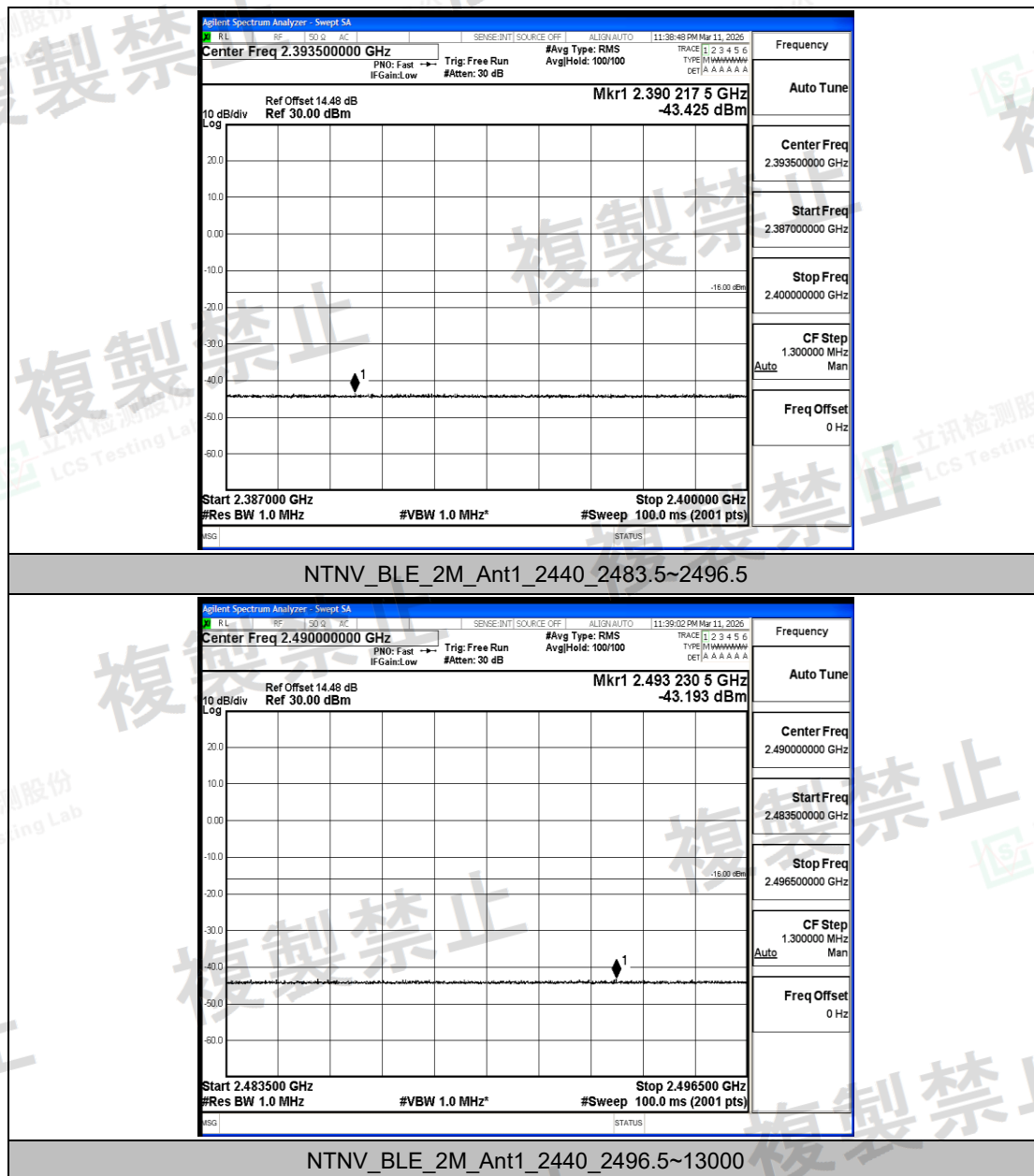




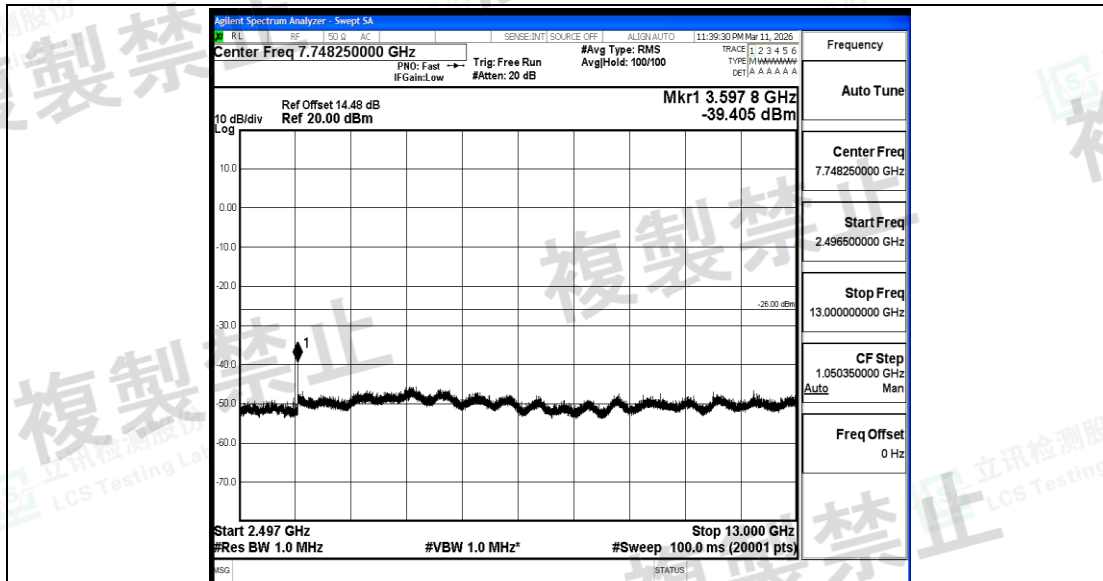
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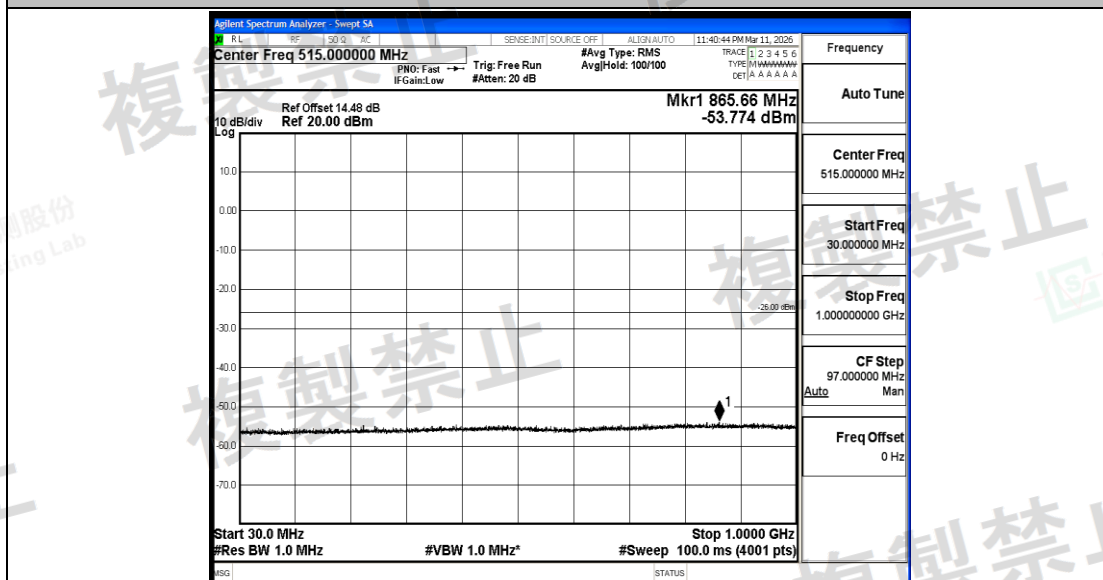
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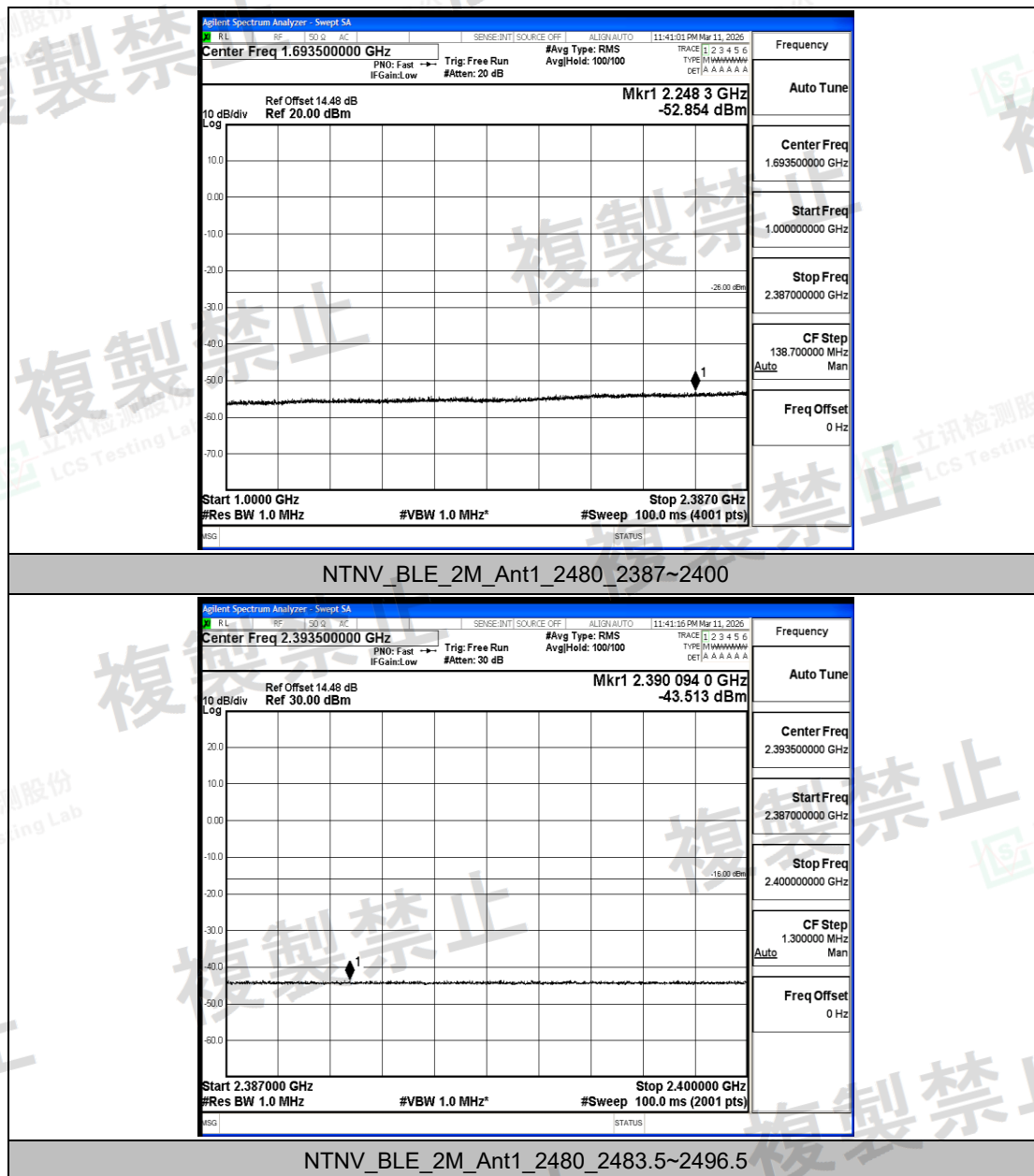
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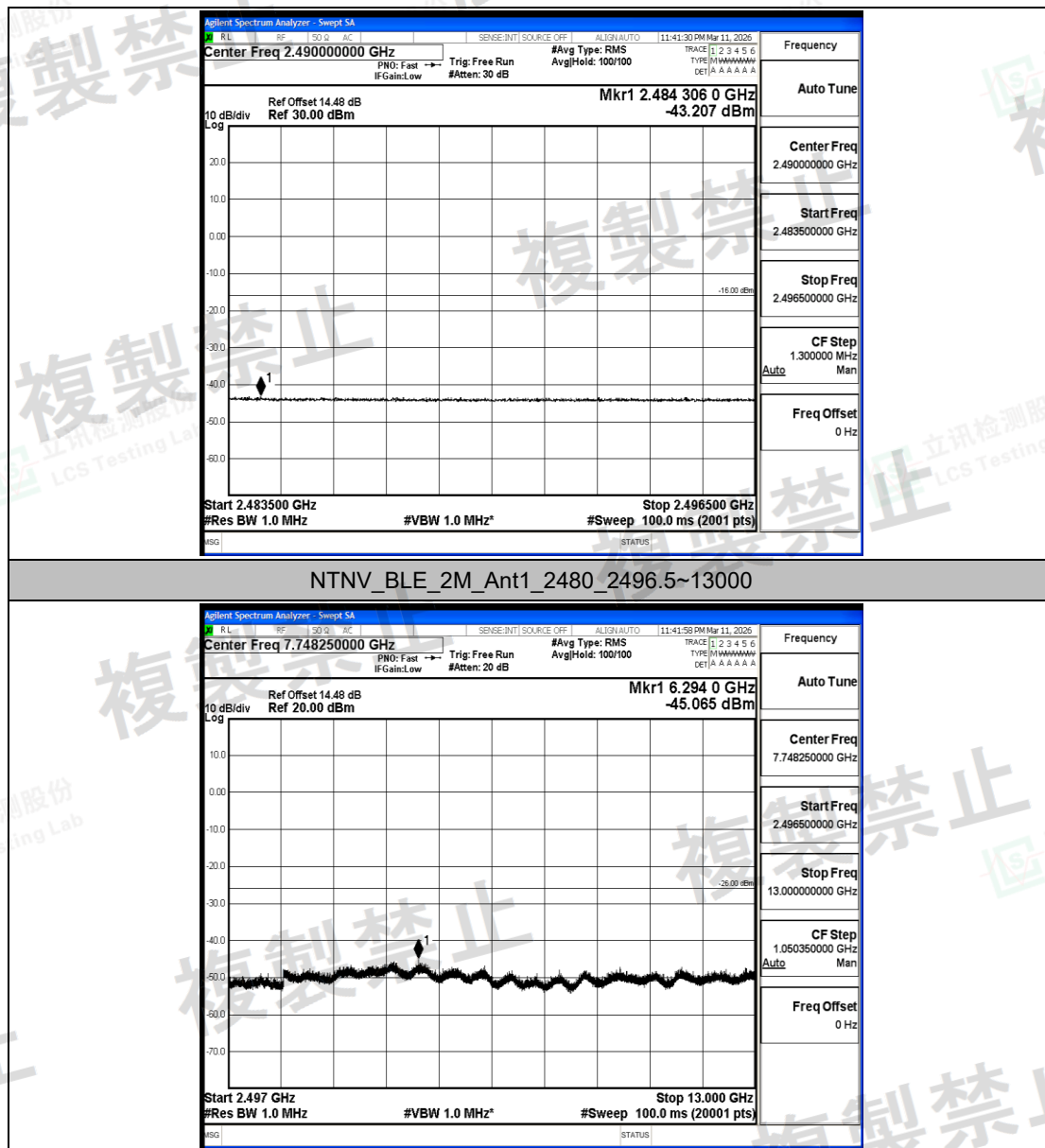


NTNV_BLE_2M_Ant1_2480_1000~2387



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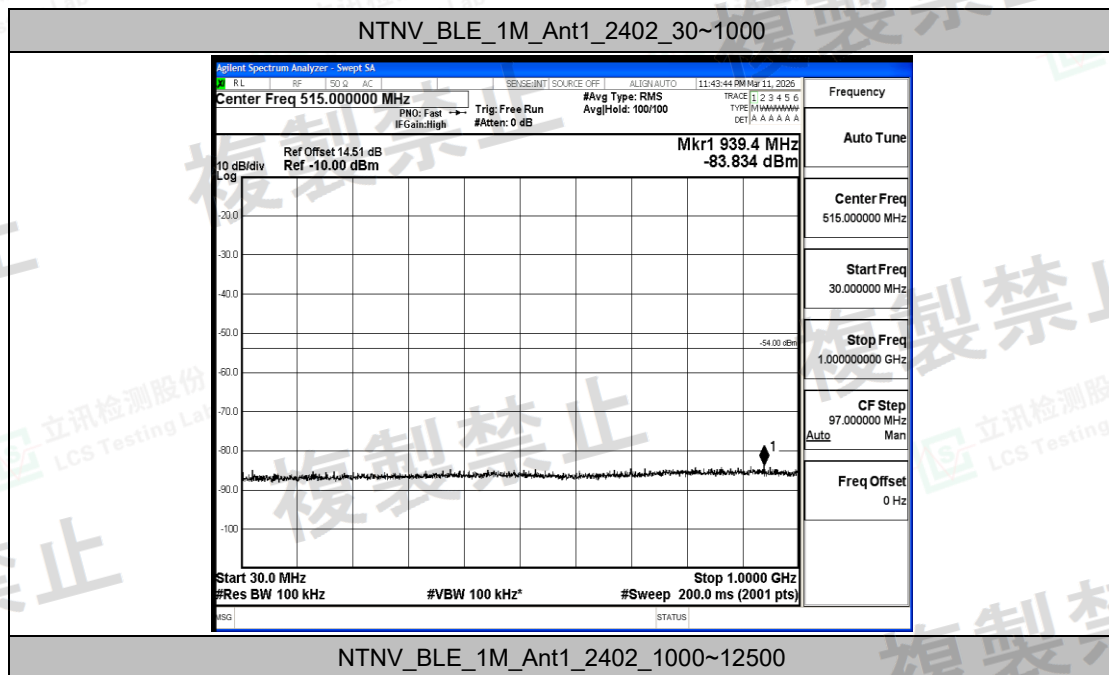


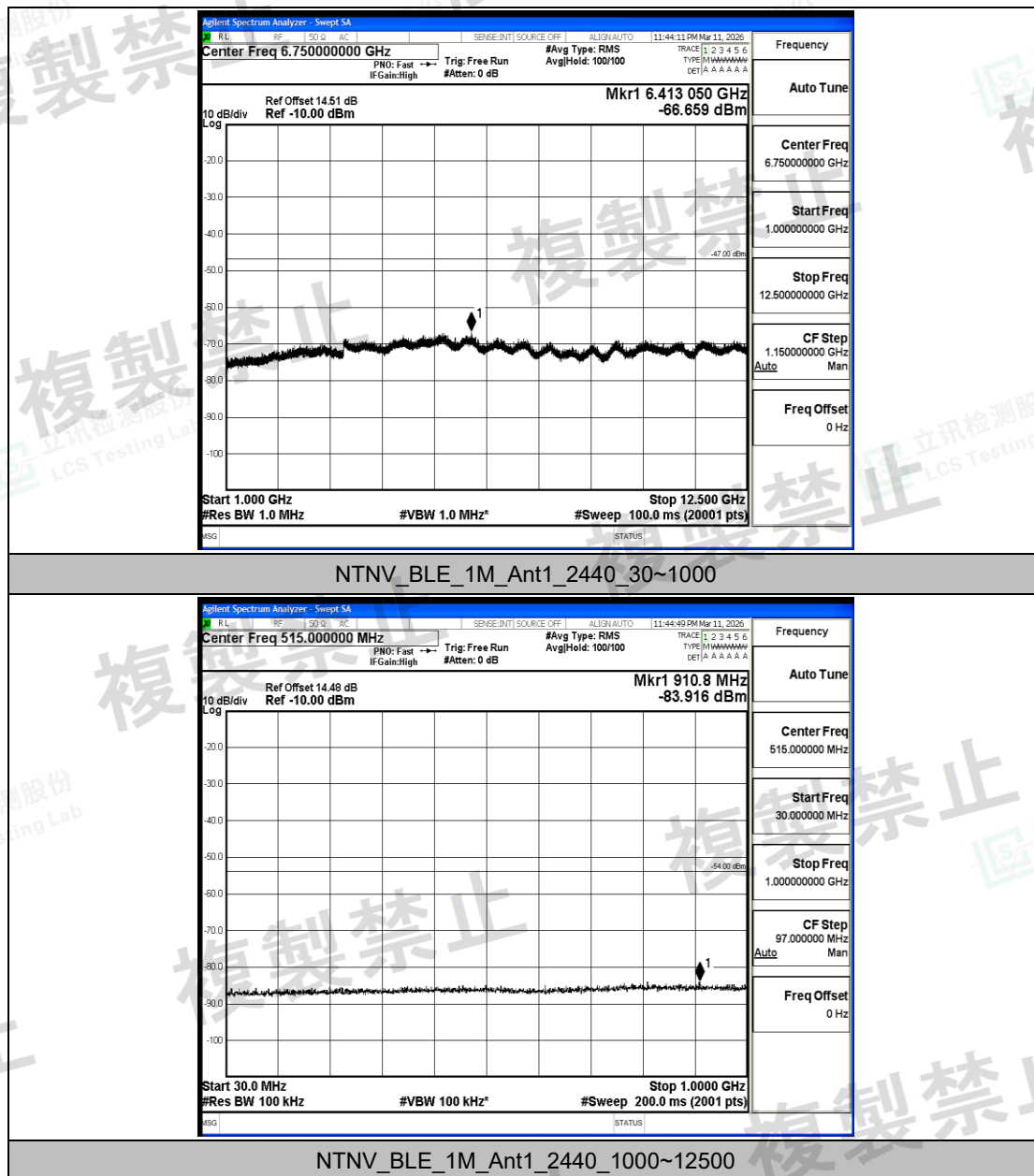
B.6 Spurious Emission of RX

Test Result

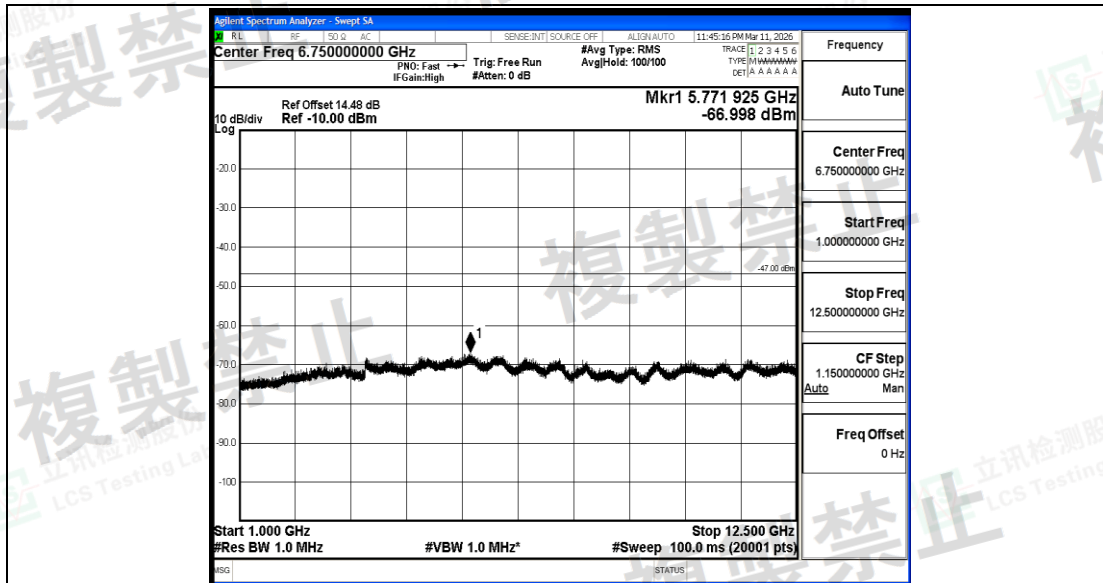
TestCondition	TestMode	Antenna	Frequency [MHz]	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	-83.83	≤-54	0.00414	≤4	PASS
				1000~12500	-66.66	≤-47	0.21577	≤20	PASS
			2440	30~1000	-83.92	≤-54	0.00406	≤4	PASS
				1000~12500	-67	≤-47	0.19953	≤20	PASS
			2480	30~1000	-84.05	≤-54	0.00394	≤4	PASS
				1000~12500	-67.11	≤-47	0.19454	≤20	PASS
	BLE_2M	Ant1	2402	30~1000	-83.95	≤-54	0.00403	≤4	PASS
				1000~12500	-58.53	≤-47	1.40281	≤20	PASS
			2440	30~1000	-84	≤-54	0.00398	≤4	PASS
				1000~12500	-67.09	≤-47	0.19543	≤20	PASS
			2480	30~1000	-84.21	≤-54	0.00379	≤4	PASS
				1000~12500	-66.44	≤-47	0.22699	≤20	PASS

Test Graphs

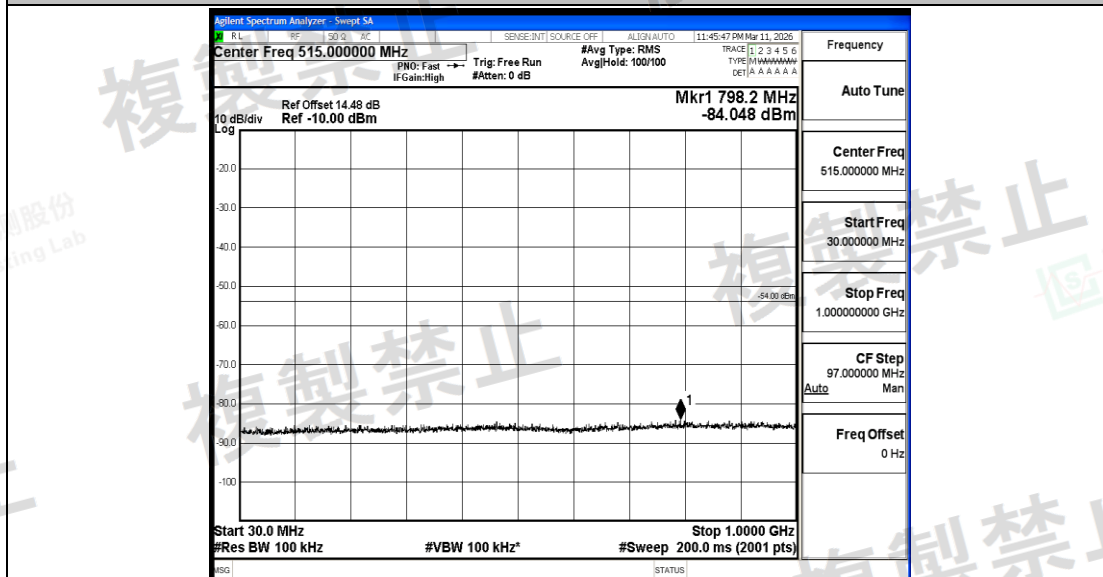




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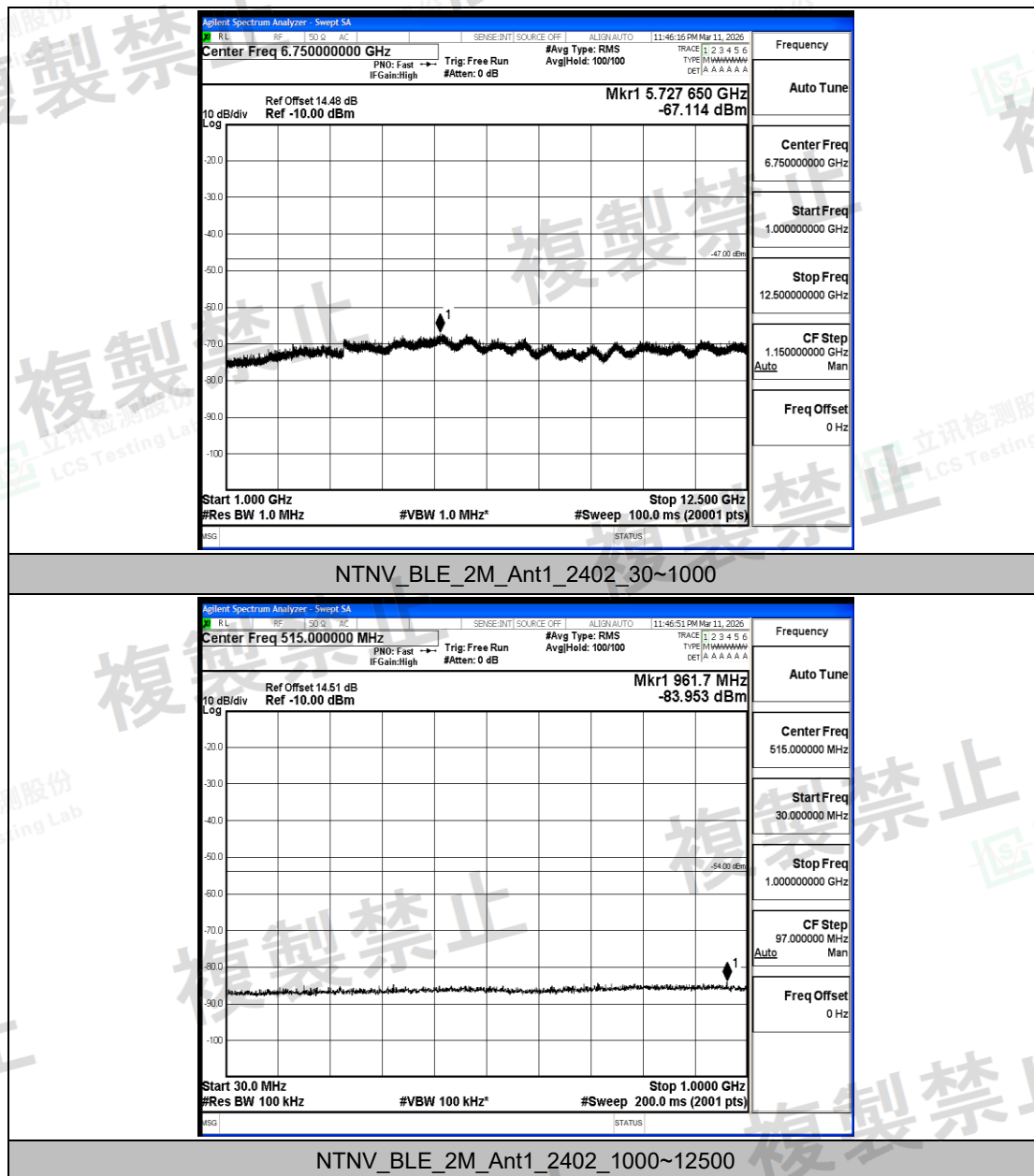
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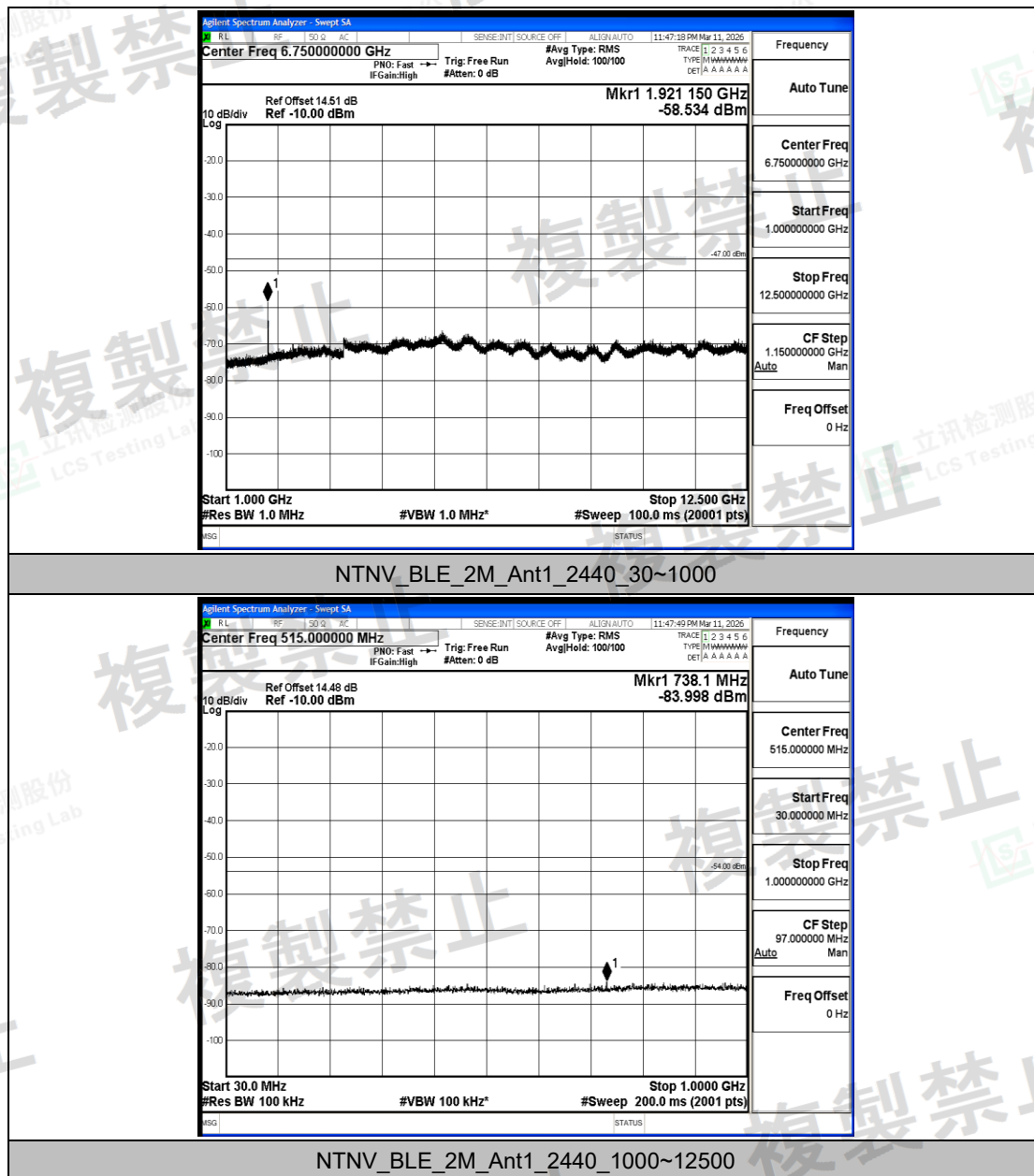
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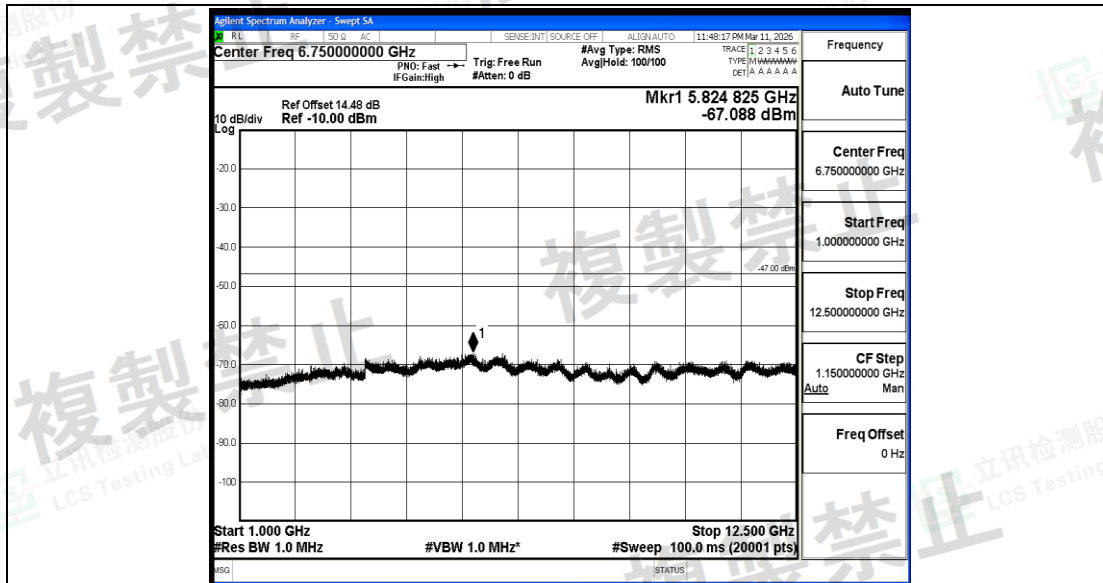
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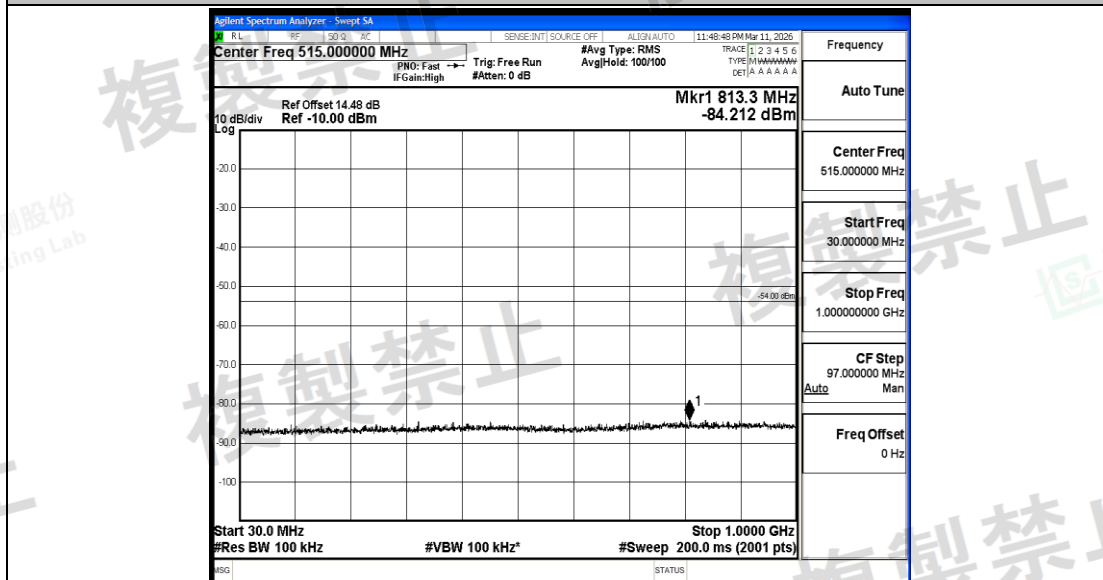
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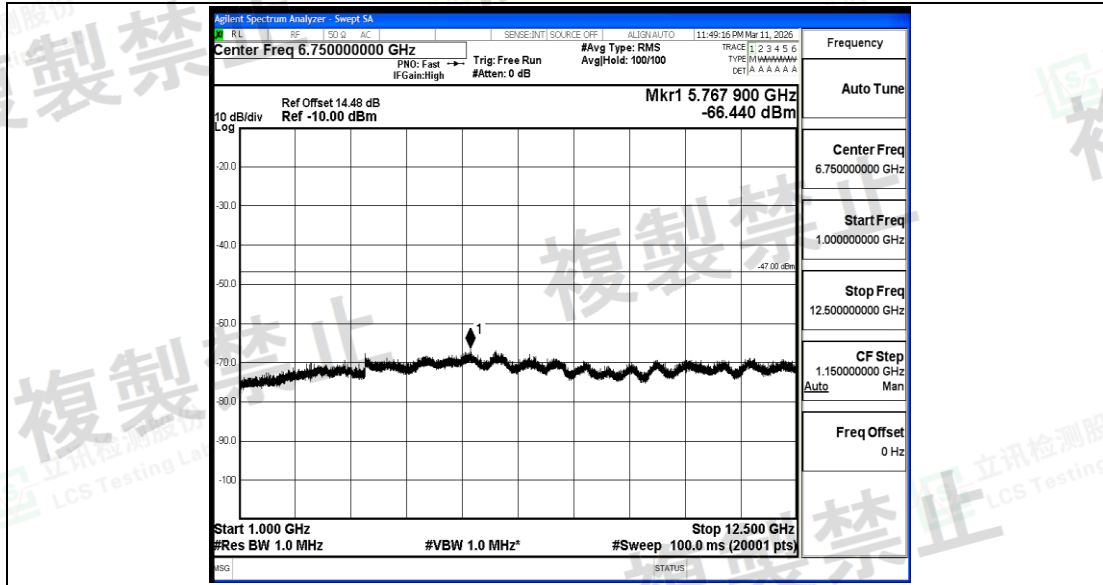
NTNV_BLE_2M_Ant1_2480_30~1000



NTNV_BLE_2M_Ant1_2480_1000~12500



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