



Appendix B for BT LE Test Data

Product Name: CD Radio Music Player

Test Model: XR-BUX11

Environmental Conditions

Temperature:	22.6°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Faith Li
Supervised by:	Can Kun



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B.1 Frequency Error

Test Result

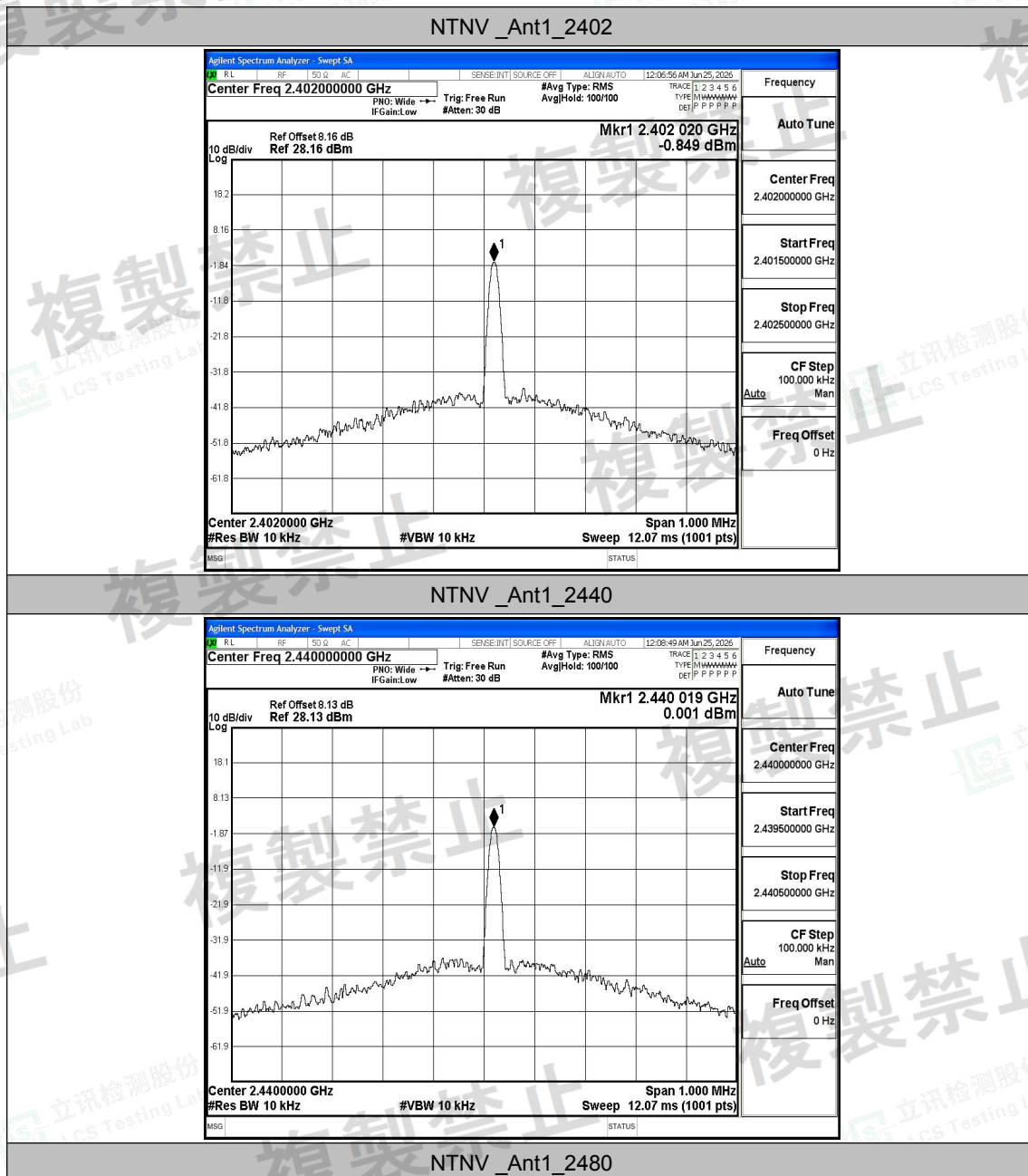
TestCondition	TestMode	Antenna	Frequency[MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	Frequency Error	Ant1	2402	8.32640	±50	PASS
			2440	7.78689	±50	PASS
			2480	8.06452	±50	PASS



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Test Graphs

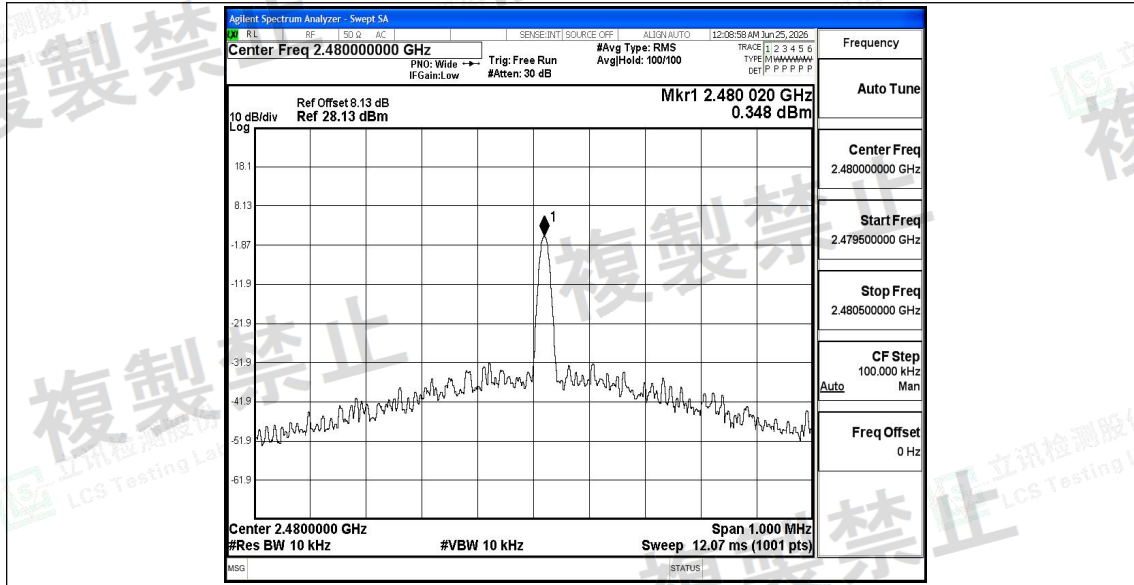


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B.2 Antenna Power

Test Result

Antenna Power							
TestCondition	TestMode	Antenna	Frequency [MHz]	Result [dBm]	Result [mW]	Limit [mW]	Verdict
NTNV	BLE_1M	Ant	2402	0.11	1.03	≤10	PASS
			2440	0.17	1.04	≤10	PASS
			2480	0.33	1.08	≤10	PASS

Tolerance								
Test Condition	Test Mode	Antenna	Frequency [MHz]	Power [mW]	Rated Power [mW]	Result [%]	Limit [%]	Verdict
NTNV	BLE_1M	Ant	2402	1.03	1.0	3.00	+20	PASS
			2440	1.04	1.0	4.00	+20	PASS
			2480	1.08	1.0	8.00	+20	PASS



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B.3 Occupied Bandwidth

Test Result

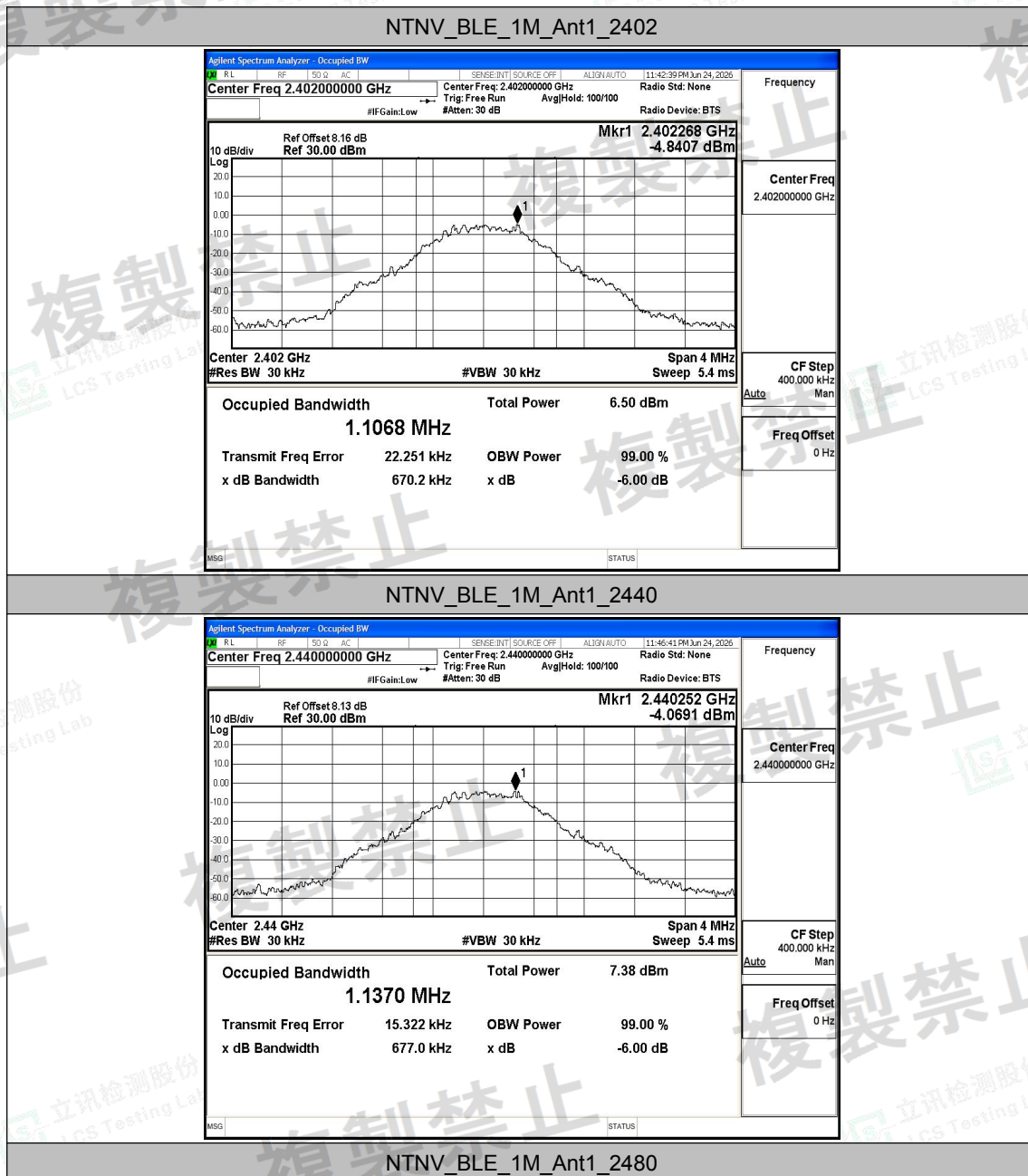
TestCondition	TestMode	Antenna	Frequency[MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	1.107	≤26	PASS
			2440	1.137	≤26	PASS
			2480	1.136	≤26	PASS



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Test Graphs

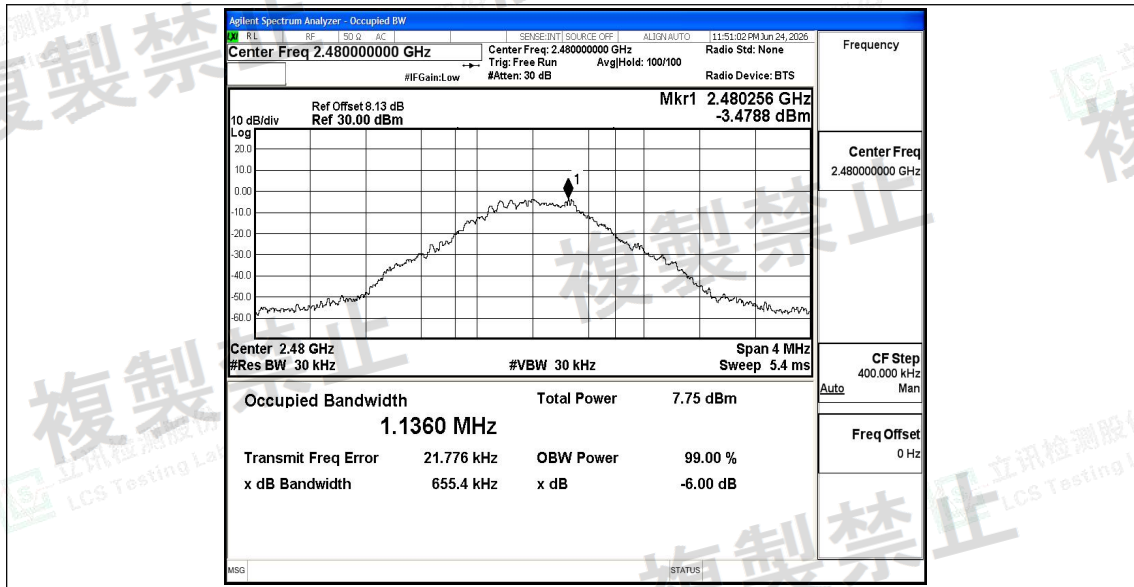


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B.4 Spread Bandwidth

Test Result

TestCondition	TestMode	Antenna	Frequency[MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	0.685	≥0.5	PASS
			2440	0.687	≥0.5	PASS
			2480	0.685	≥0.5	PASS



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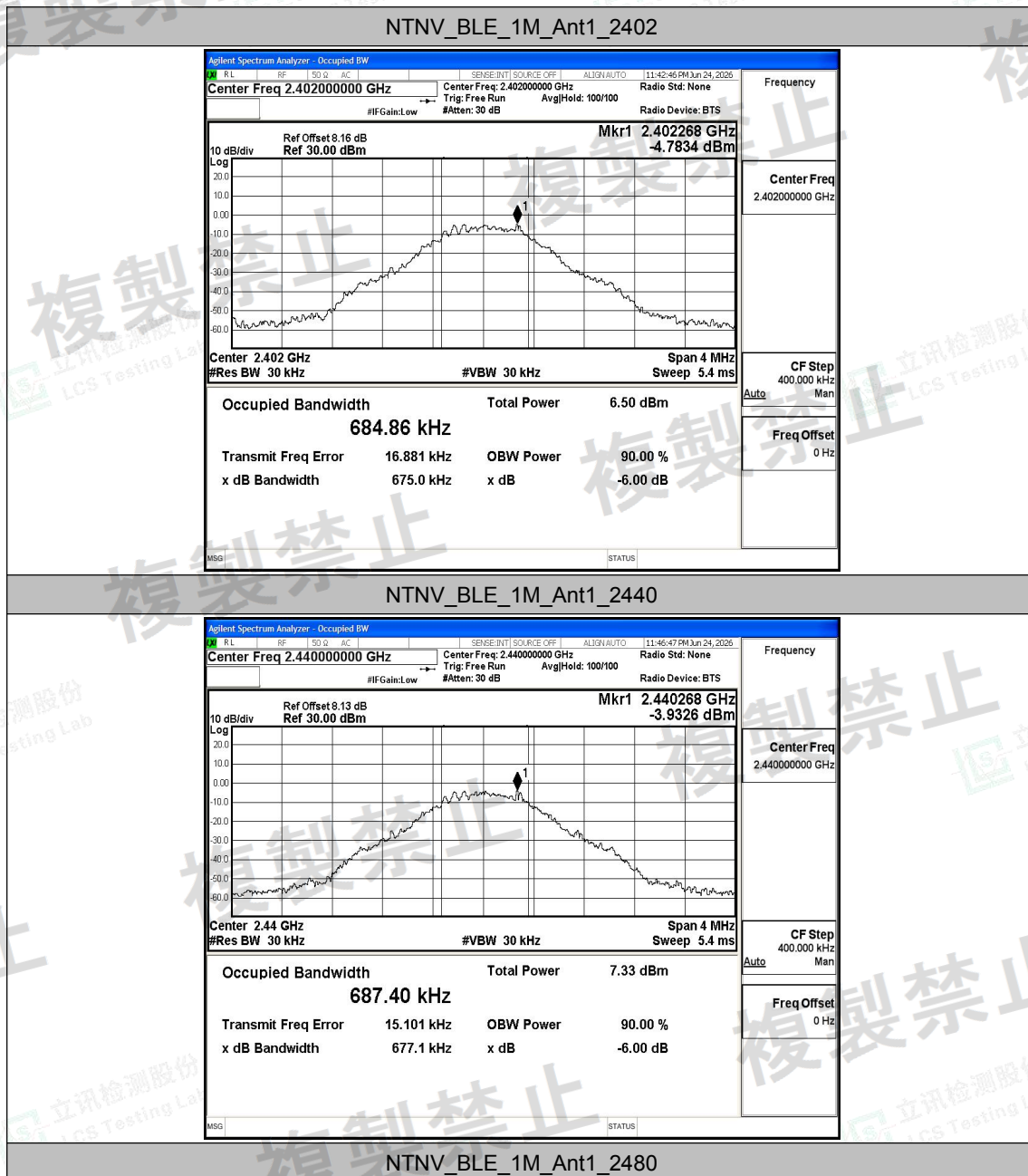
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Test Graphs

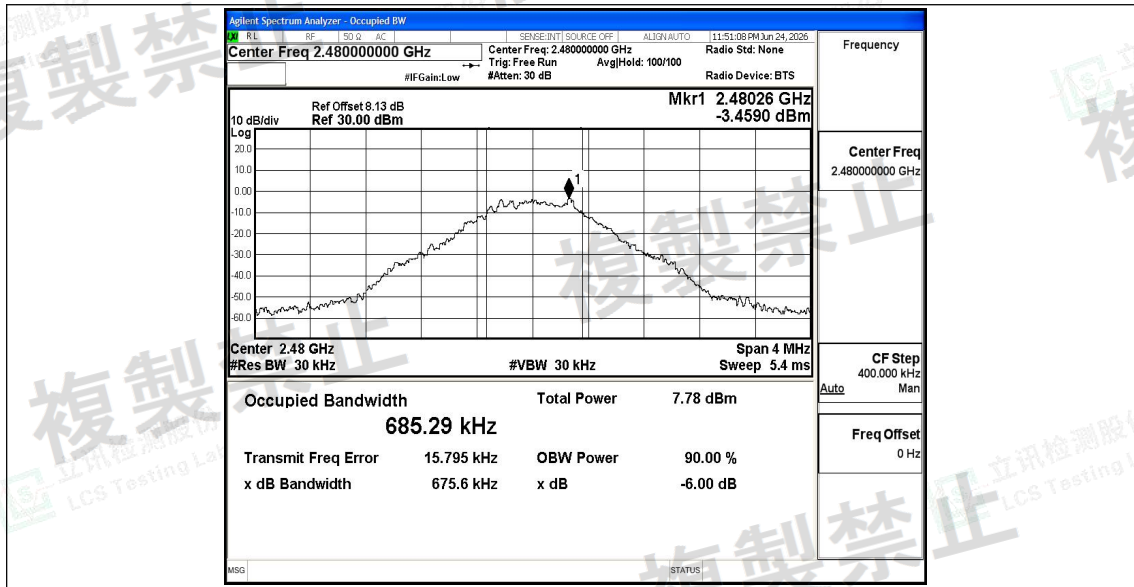


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B.5 Spurious Emission of TX

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	-60.28	≤-26	0.00094	≤2.5	PASS
				1000~2387	-50.99	≤-26	0.00796	≤2.5	PASS
				2387~2400	-40.49	≤-16	0.08933	≤25	PASS
				2483.5~2496.5	-49.29	≤-16	0.01178	≤25	PASS
				2496.5~13000	-42.83	≤-26	0.05212	≤2.5	PASS
			2440	30~1000	-60.16	≤-26	0.00096	≤2.5	PASS
				1000~2387	-50.50	≤-26	0.00891	≤2.5	PASS
				2387~2400	-49.78	≤-16	0.01052	≤25	PASS
				2483.5~2496.5	-49.55	≤-16	0.01109	≤25	PASS
				2496.5~13000	-41.69	≤-26	0.06776	≤2.5	PASS
			2480	30~1000	-60.12	≤-26	0.00097	≤2.5	PASS
				1000~2387	-50.35	≤-26	0.00923	≤2.5	PASS
				2387~2400	-49.83	≤-16	0.01040	≤25	PASS
				2483.5~2496.5	-48.55	≤-16	0.01396	≤25	PASS
				2496.5~13000	-40.73	≤-26	0.08453	≤2.5	PASS



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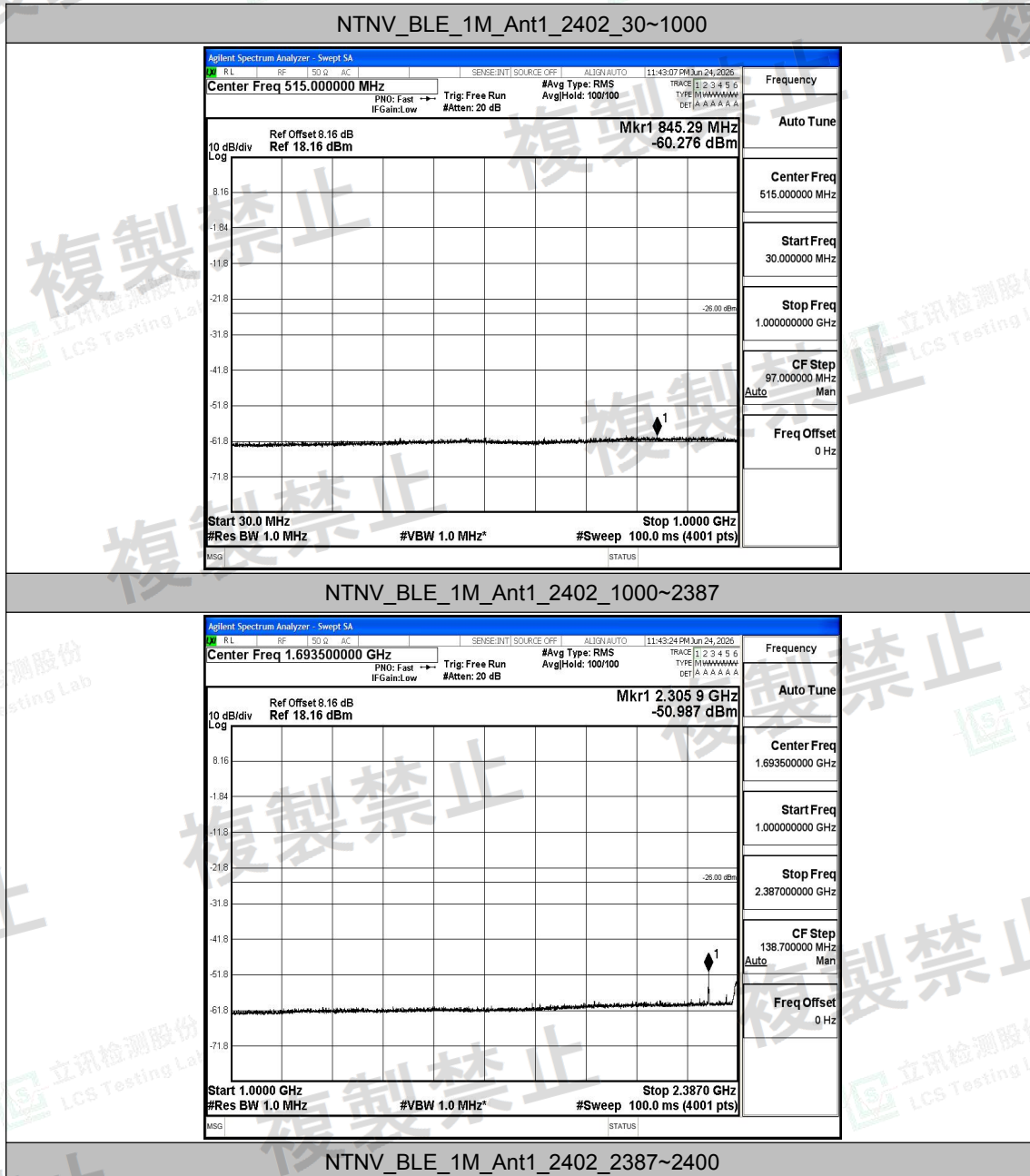
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Test Graphs

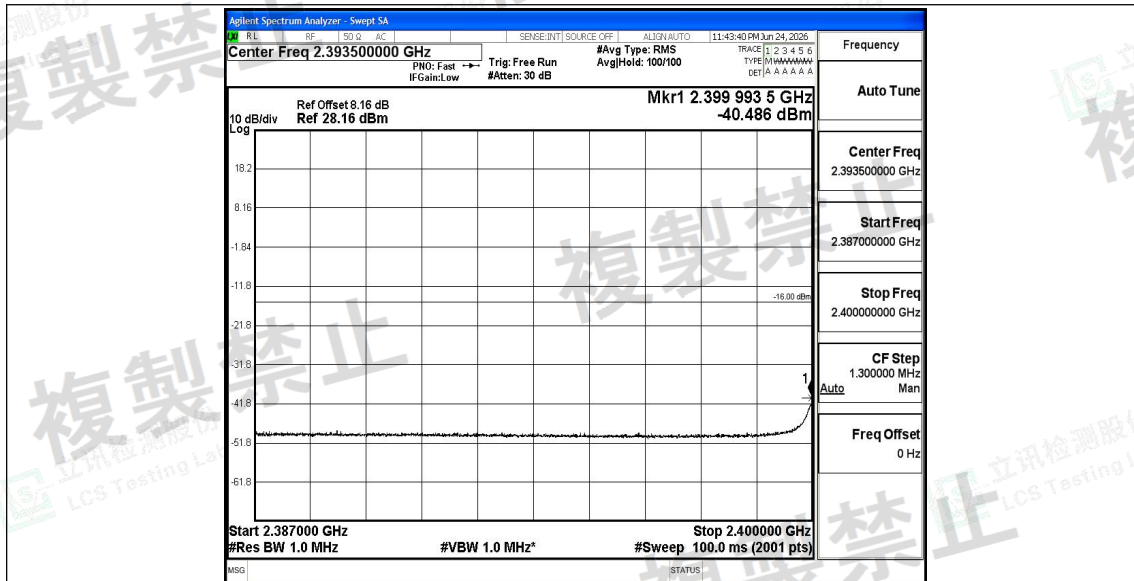


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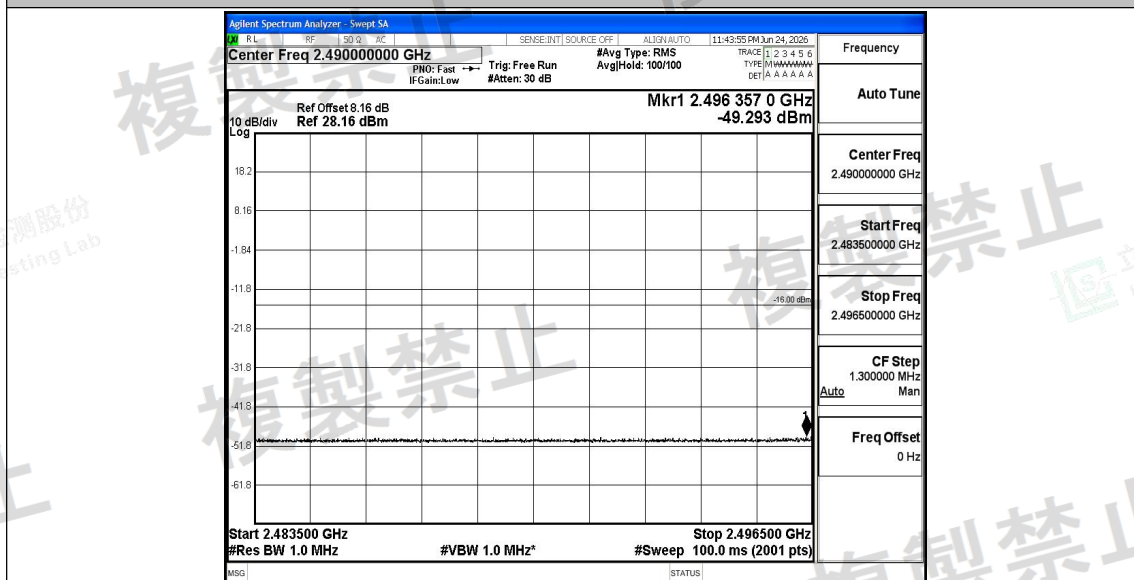
Add: Room 101/201, Building A, and Room 101/301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

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NTNV_BLE_1M_Ant1_2402_2483.5~2496.5



NTNV_BLE_1M_Ant1_2402_2496.5~13000

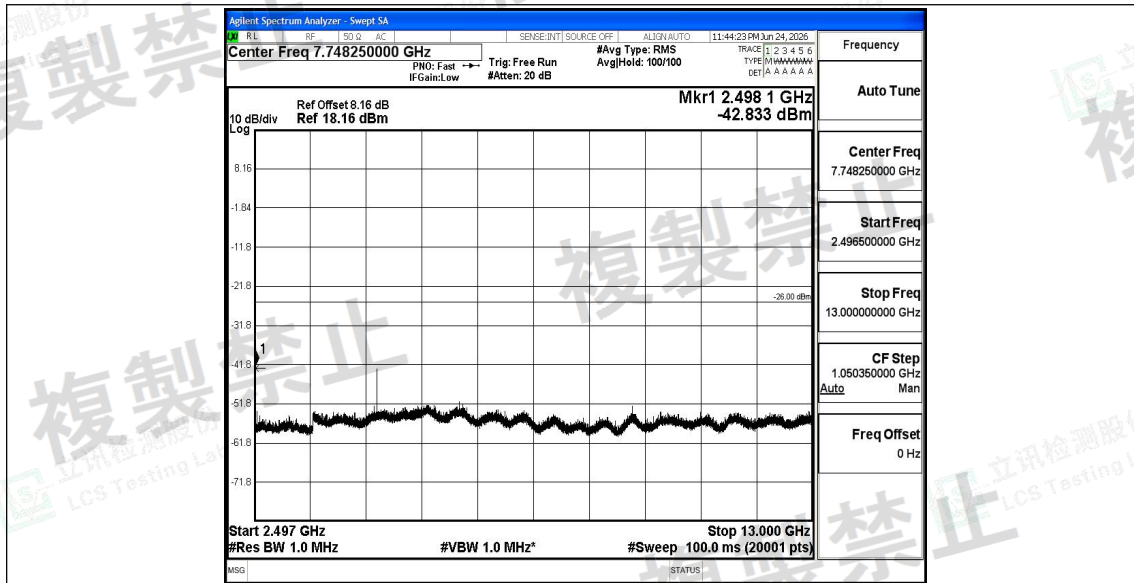


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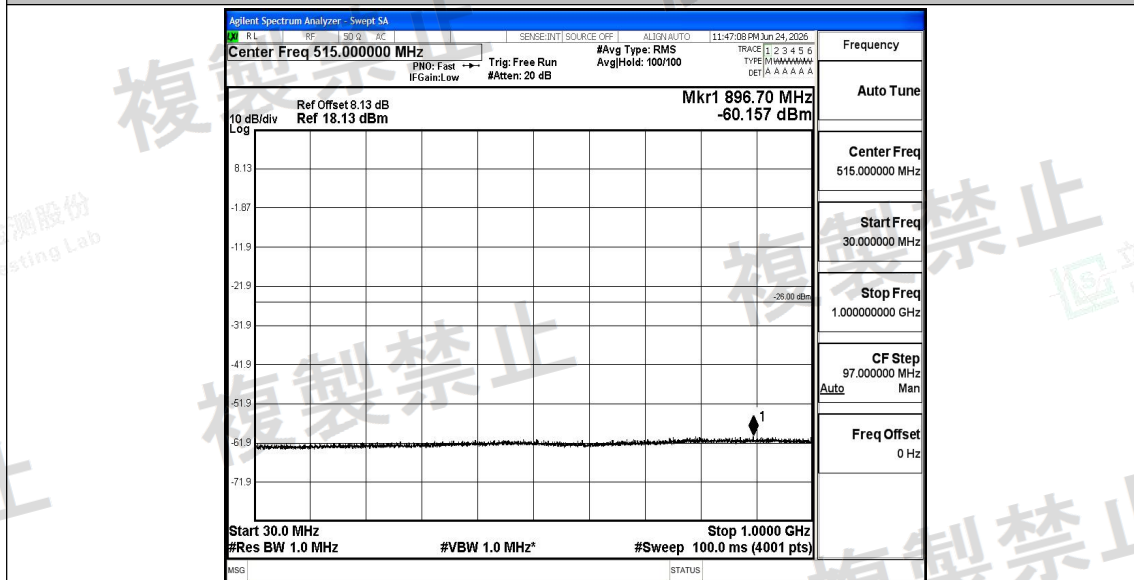
Add: Room 101/201, Building A, and Room 101/301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

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NTNV_BLE_1M_Ant1_2440_30~1000



NTNV_BLE_1M_Ant1_2440_1000~2387

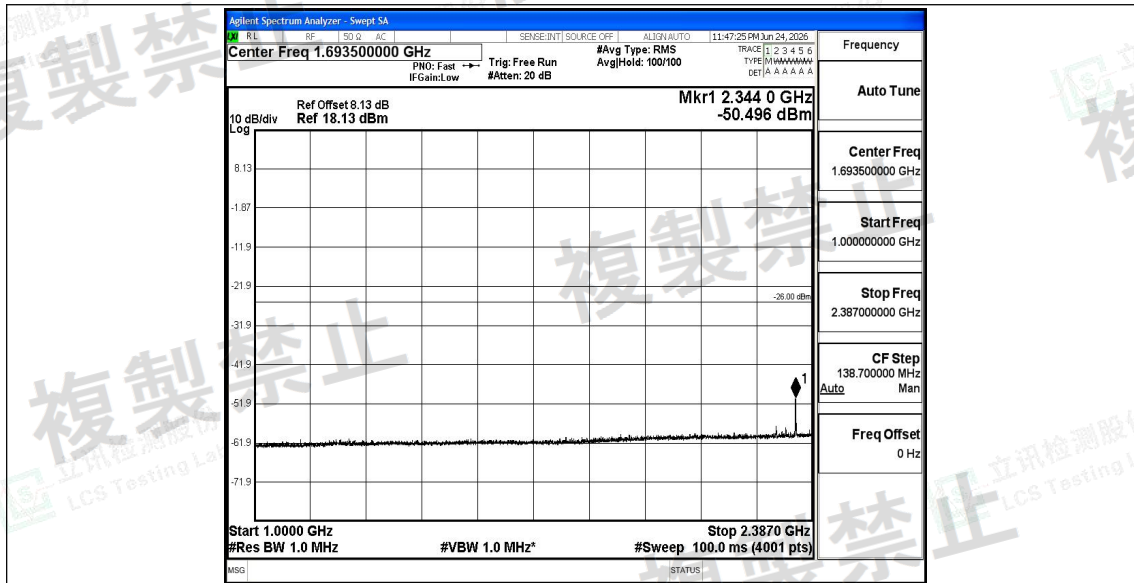


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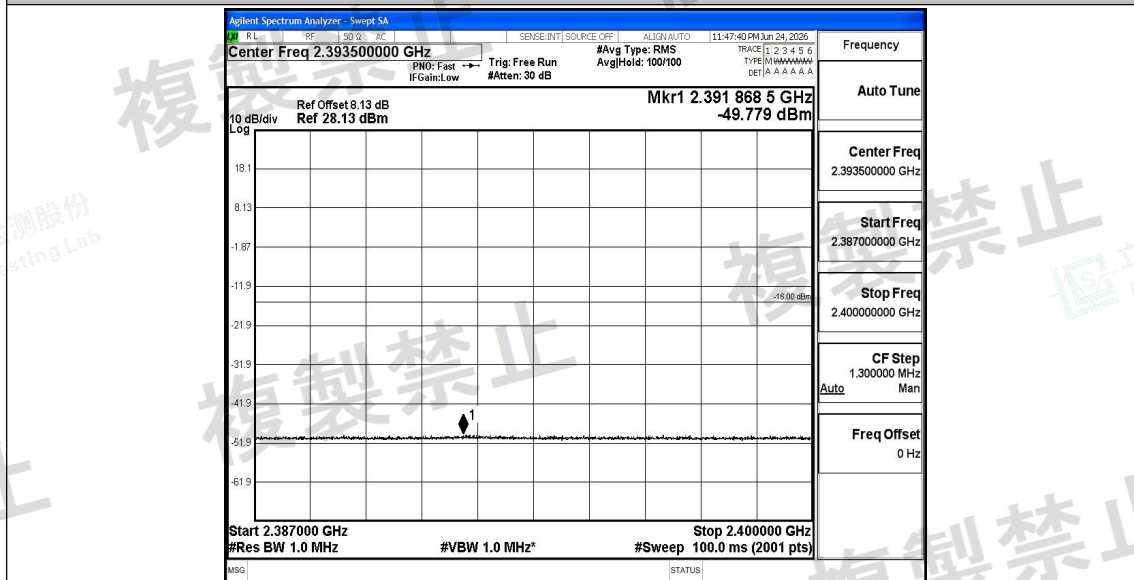
Add: Room 101/201, Building A, and Room 101/301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

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NTNV_BLE_1M_Ant1_2440_2387~2400



NTNV_BLE_1M_Ant1_2440_2483.5~2496.5

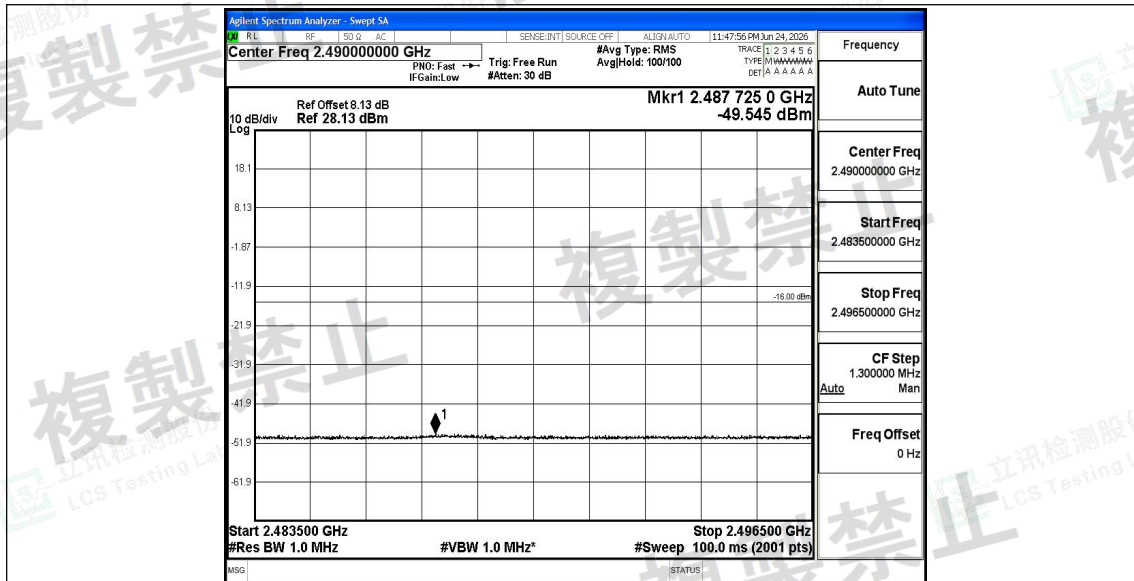


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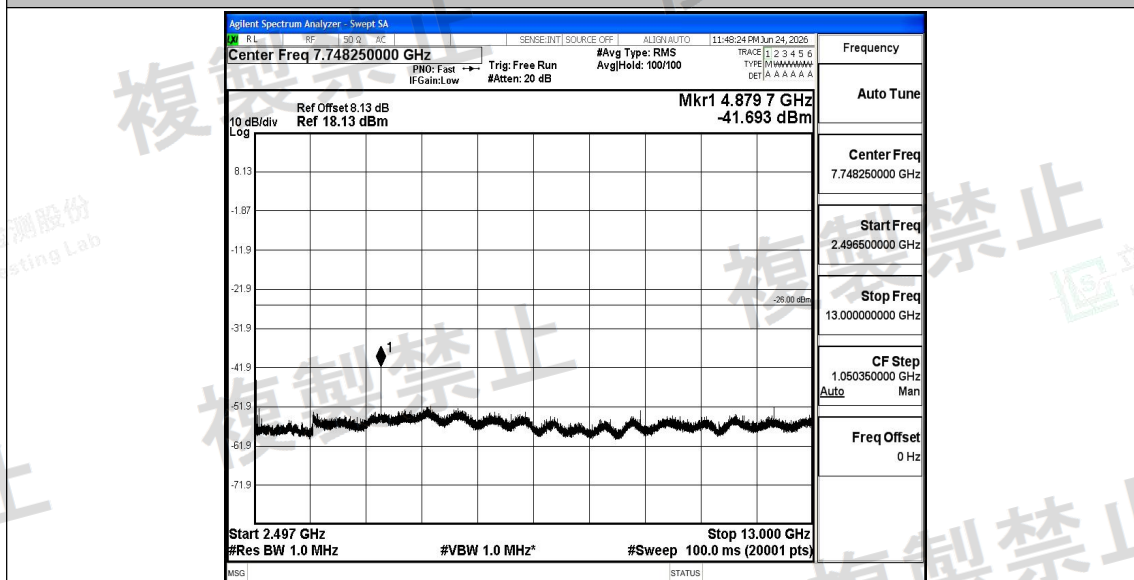
Add: Room 101/201, Building A, and Room 101/301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

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NTNV_BLE_1M_Ant1_2440_2496.5~13000



NTNV_BLE_1M_Ant1_2480_30~1000

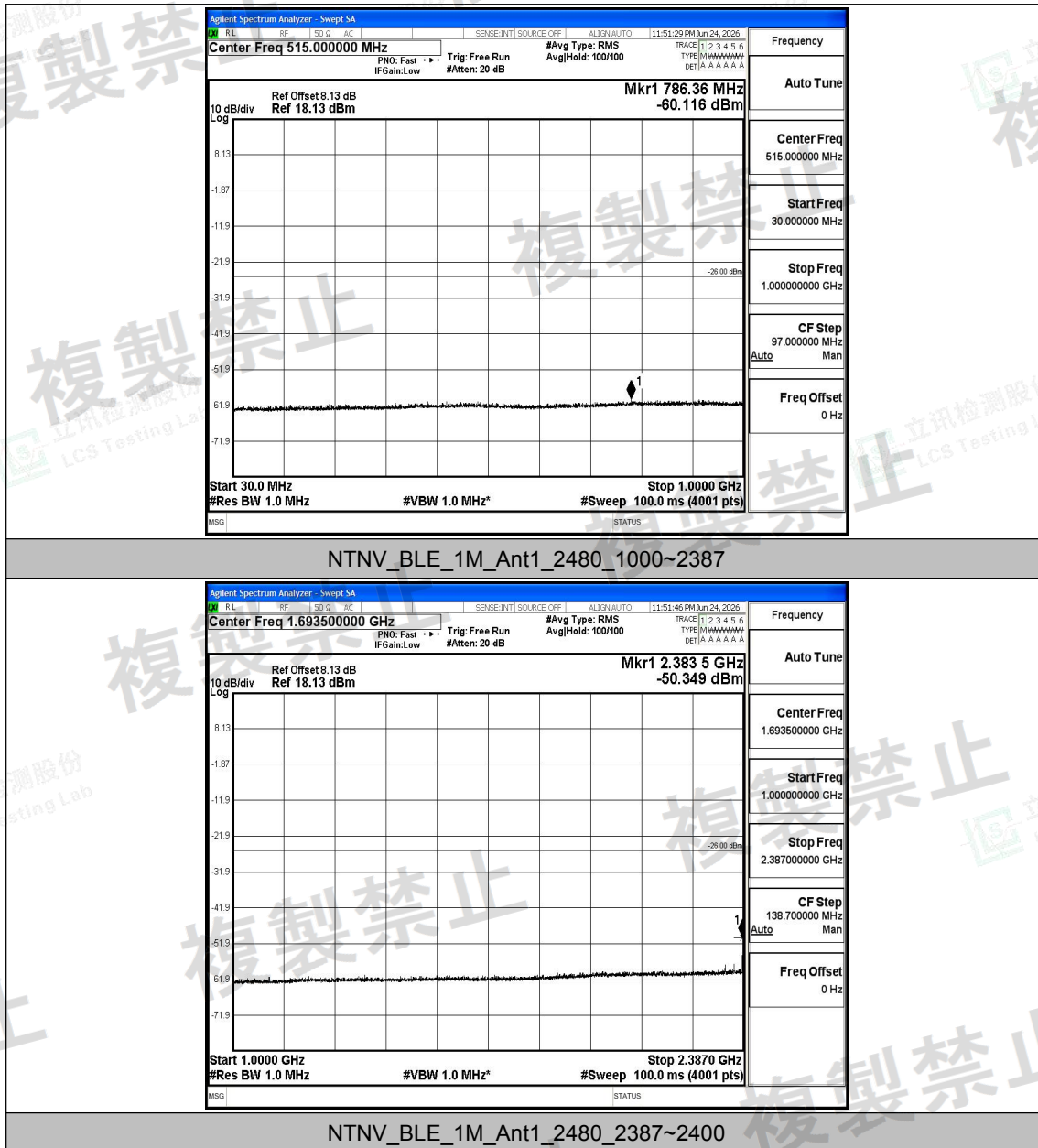


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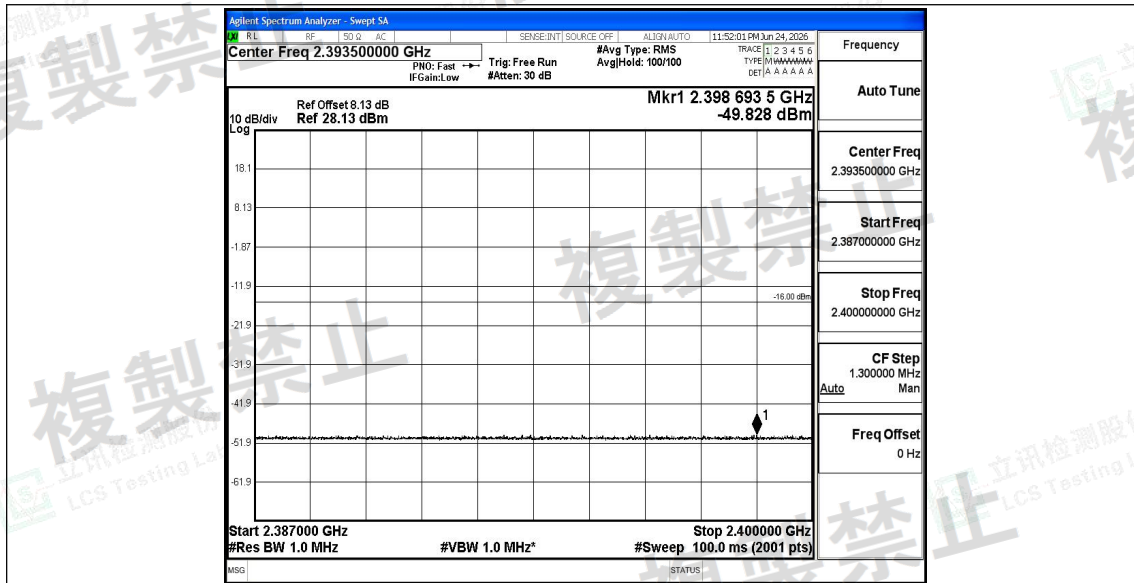
Add: Room 101/201, Building A, and Room 101/301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

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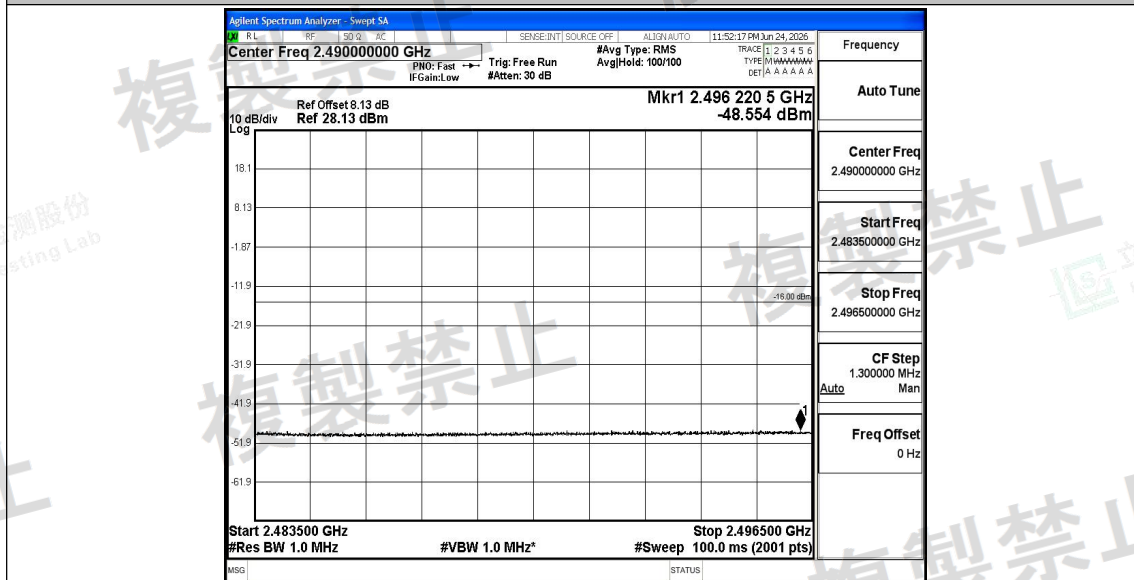
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NTNV_BLE_1M_Ant1_2480_2483.5~2496.5



NTNV_BLE_1M_Ant1_2480_2496.5~13000

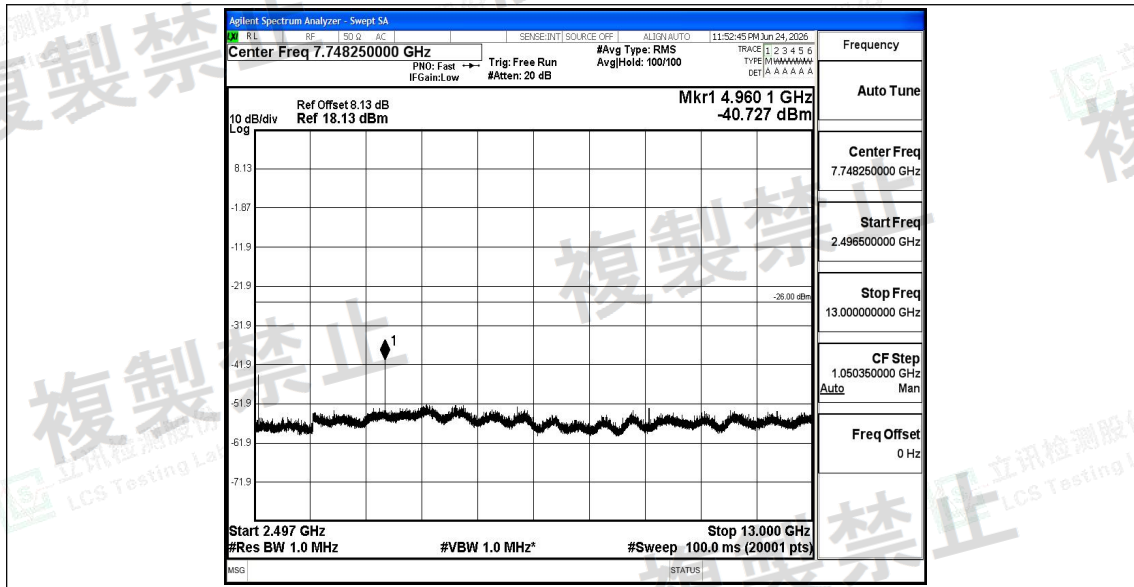


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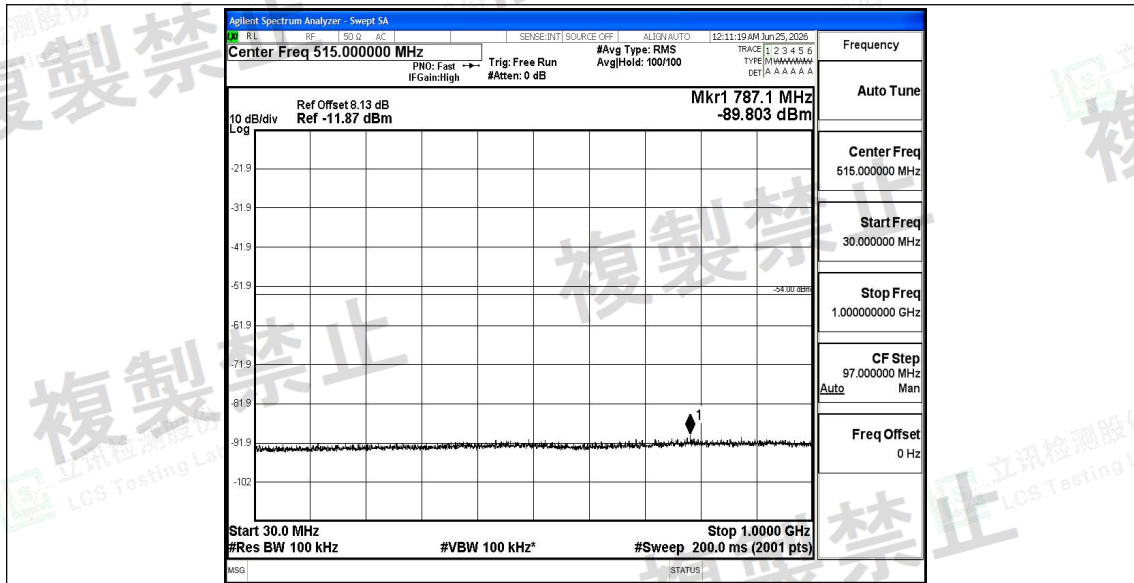
B.6 Spurious Emission of RX

Test Result

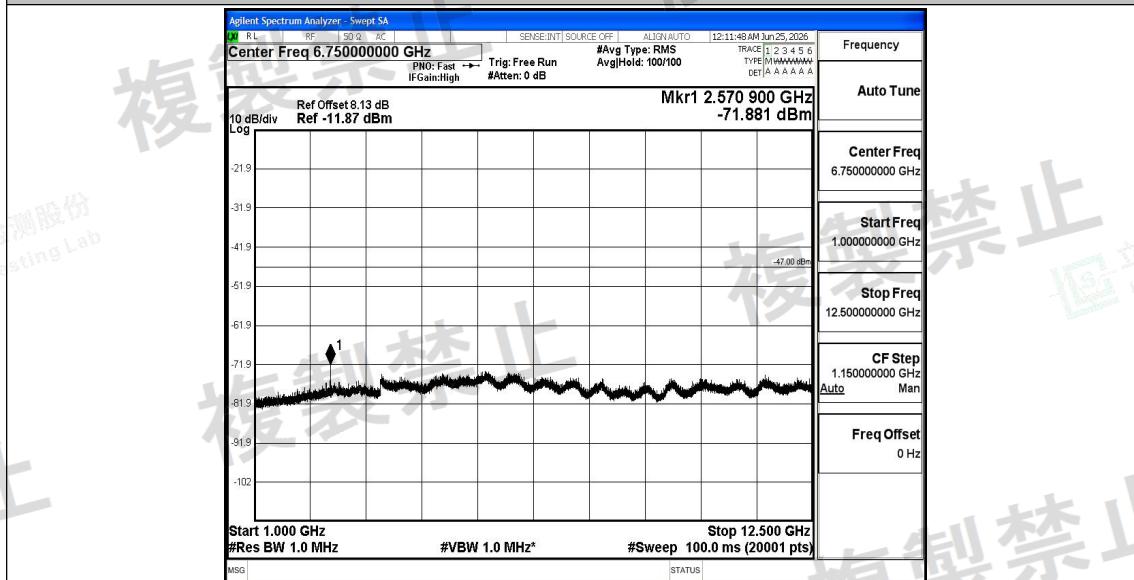
TestCondition	TestMode	Antenna	Frequency[MHz]	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	-90.44	≤-54	0.00090	≤4	PASS
				1000~12500	-73.62	≤-47	0.04345	≤20	PASS
			2440	30~1000	-89.8	≤-54	0.00105	≤4	PASS
				1000~12500	-71.88	≤-47	0.06486	≤20	PASS
			2480	30~1000	-90.2	≤-54	0.00095	≤4	PASS
				1000~12500	-72.7	≤-47	0.05370	≤20	PASS



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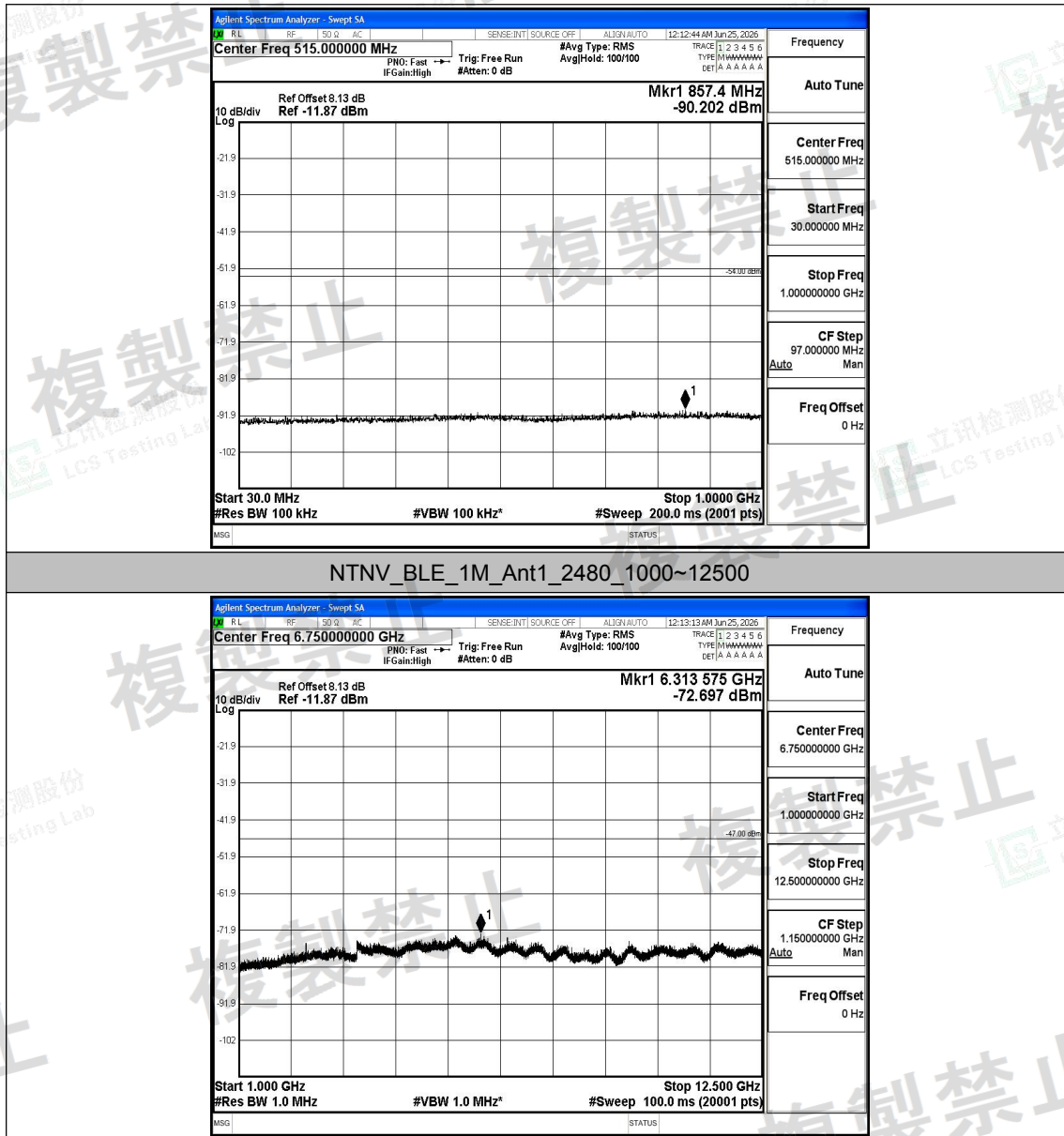
NTNV_BLE_1M_Ant1_2440_1000~12500



NTNV_BLE_1M_Ant1_2480_30~1000



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