

Appendix Test Data

Report No.:	1811C60009812501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-11-25	Finish Test Date:	2025-11-28
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	24.5°C	Relative Humidity:	43%
Pressure:	101kPa		

Appendix A: Frequency Error

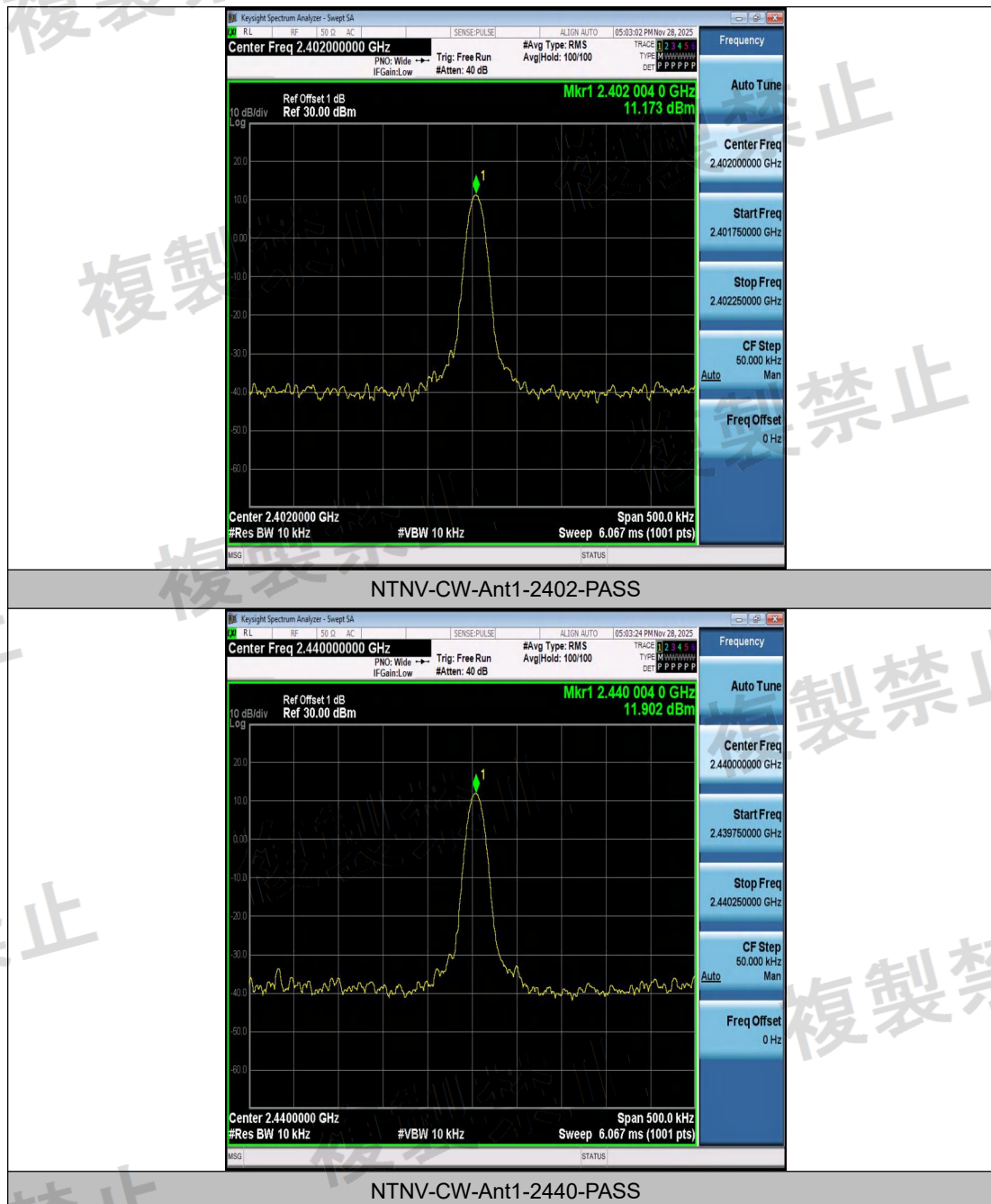
Test Result

Test Condition	Test Mode	Antenna	Freq.[MHz]	Center Freq [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	CW	Ant1	2402	2402.004	1.66528	±50	PASS
NTNV	CW	Ant1	2440	2440.004	1.63934	±50	PASS
NTNV	CW	Ant1	2480	2480.003	1.20968	±50	PASS

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



Test Graphs



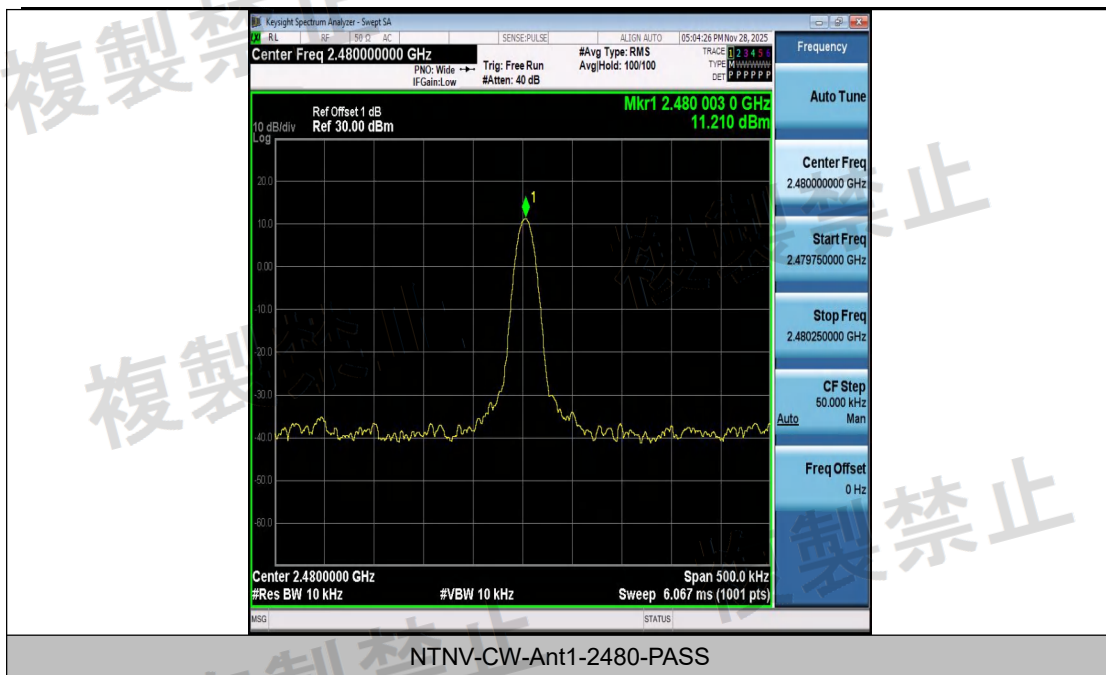
Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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Appendix B: Antenna Power

Test Result

Test Condition	Test Mode	Antenna	Freq. [MHz]	Result[dBm]	Result[mW]	Limit [mW]	Verdict
NTNV	BLE_1M	Ant1	2402	4.676	2.935	≤10	PASS
NTNV	BLE_1M	Ant1	2440	5.412	3.477	≤10	PASS
NTNV	BLE_1M	Ant1	2480	5.435	3.495	≤10	PASS
NTNV	BLE_2M	Ant1	2402	4.400	2.754	≤10	PASS
NTNV	BLE_2M	Ant1	2440	5.329	3.411	≤10	PASS
NTNV	BLE_2M	Ant1	2480	5.186	3.301	≤10	PASS

Note: Result[mW]= $10^{(\text{Test Result[dBm]}/10)}$

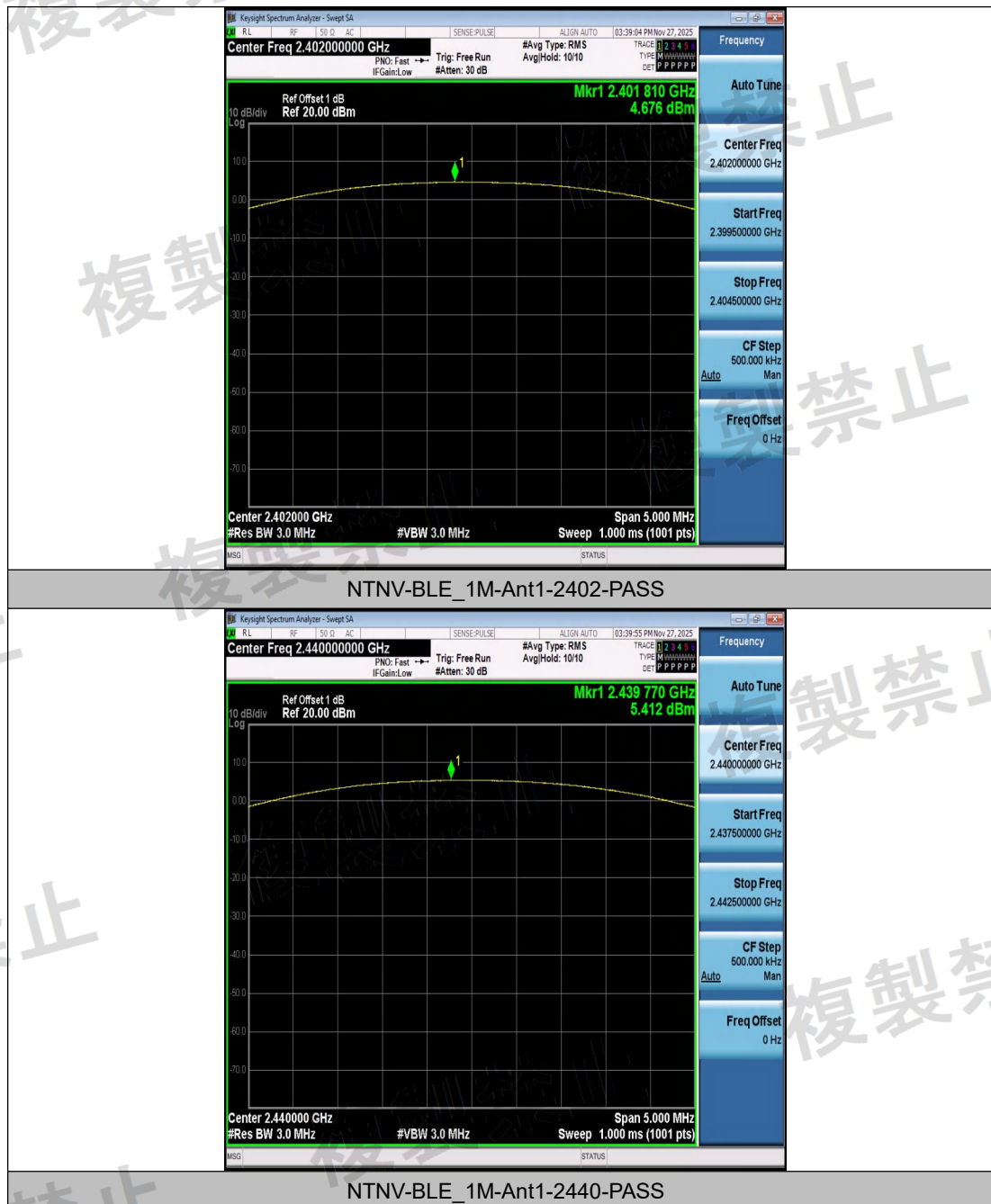
Test Condition	Test Mode	Antenna	Freq. [MHz]	Power [mW]	Rated Power [mW]	Result [%]	Limit(%)	Verdict
NTNV	BLE_1M	Ant1	2402	2.935	10	-70.65	+20	PASS
NTNV	BLE_1M	Ant1	2440	3.477	10	-65.23	+20	PASS
NTNV	BLE_1M	Ant1	2480	3.495	10	-65.05	+20	PASS
NTNV	BLE_2M	Ant1	2402	2.754	10	-72.46	+20	PASS
NTNV	BLE_2M	Ant1	2440	3.411	10	-65.89	+20	PASS
NTNV	BLE_2M	Ant1	2480	3.301	10	-66.99	+20	PASS

Test Condition	Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Gain[dBi]	EIRP (dBm)	Limit(dBm)	Verdict
NTNV	BLE_1M	Ant1	2402	4.676	3.57	8.246	≤12.14	PASS
NTNV	BLE_1M	Ant1	2440	5.412	3.57	8.982	≤12.14	PASS
NTNV	BLE_1M	Ant1	2480	5.435	3.57	9.005	≤12.14	PASS
NTNV	BLE_2M	Ant1	2402	4.400	3.57	7.970	≤12.14	PASS
NTNV	BLE_2M	Ant1	2440	5.329	3.57	8.899	≤12.14	PASS
NTNV	BLE_2M	Ant1	2480	5.186	3.57	8.756	≤12.14	PASS

Note:EIRP[dBm]=Result[dBm]+Gain(dBi)



Test Graphs



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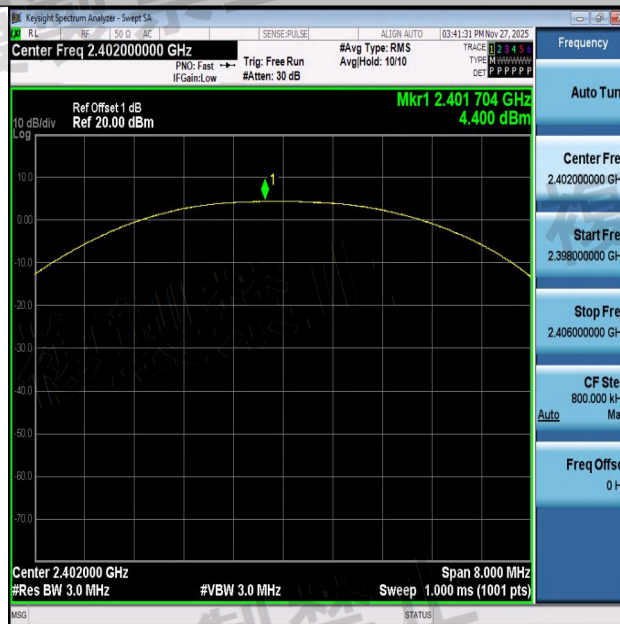


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NTNV-BLE_1M-Ant1-2480-PASS

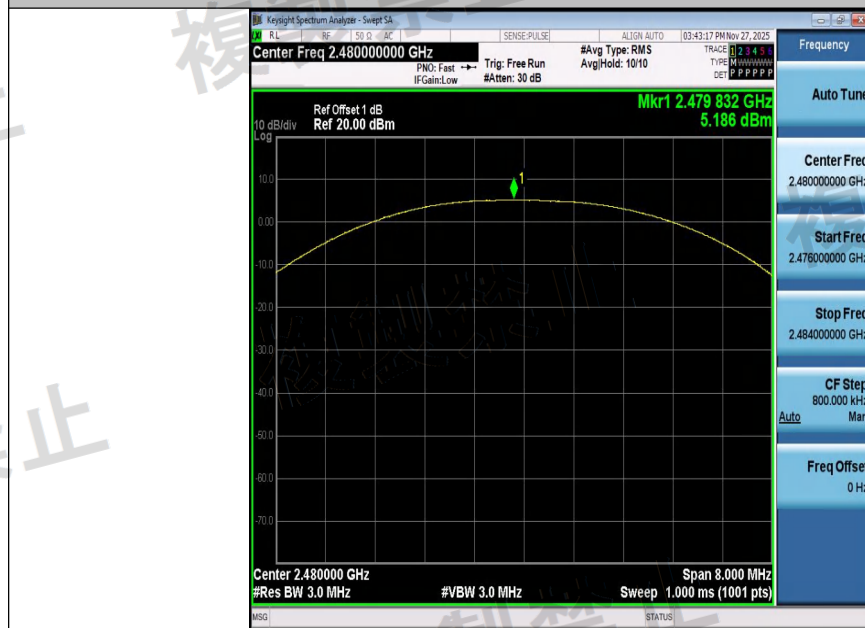


NTNV-BLE_2M-Ant1-2402-PASS





NTNV-BLE_2M-Ant1-2440-PASS



NTNV-BLE_2M-Ant1-2480-PASS



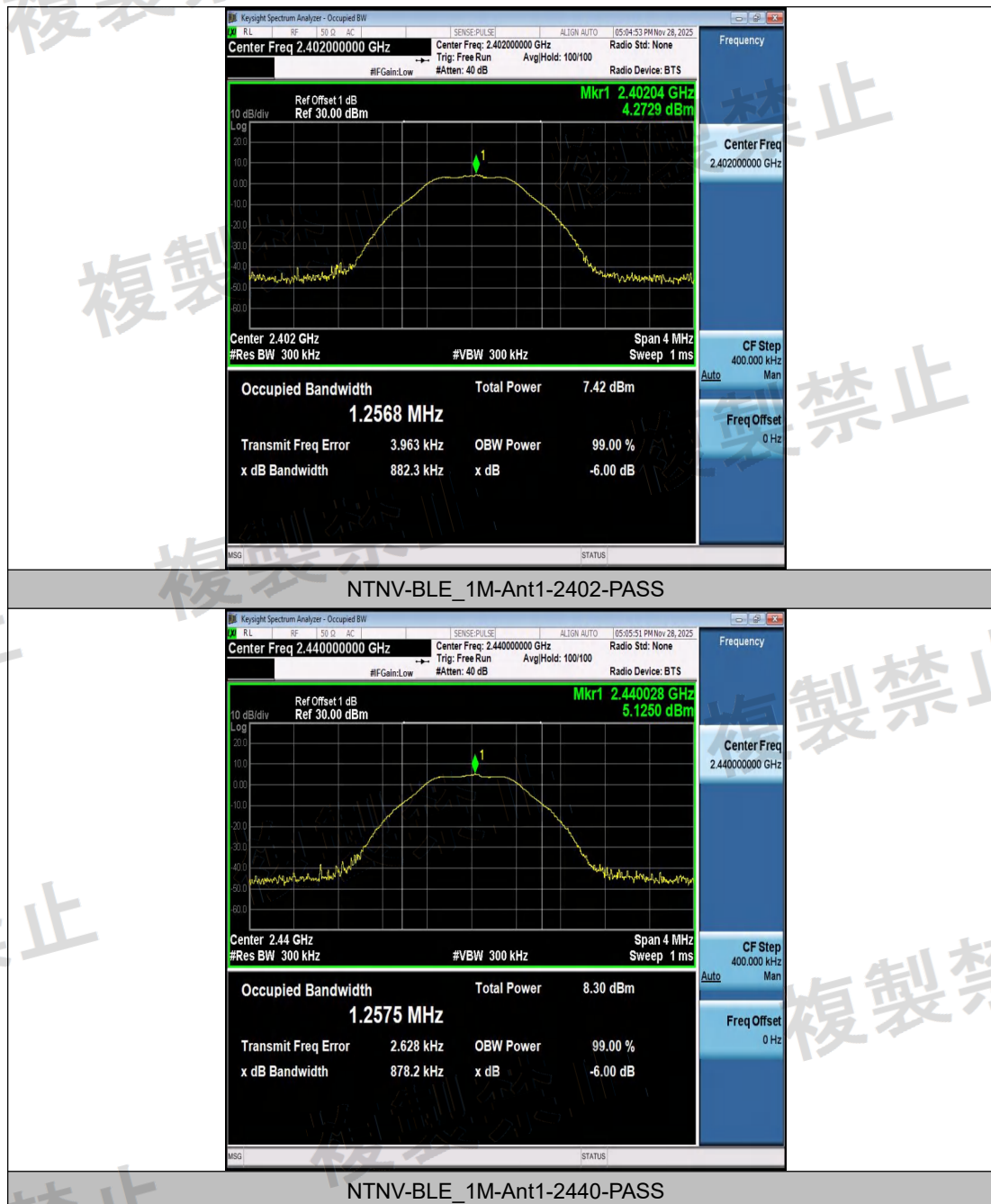
Appendix C: Occupied Bandwidth

Test Result

TestCondition	TestMode	Antenna	Freq.[MHz]	Result[MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	1.257	≤26	PASS
NTNV	BLE_1M	Ant1	2440	1.258	≤26	PASS
NTNV	BLE_1M	Ant1	2480	1.261	≤26	PASS
NTNV	BLE_2M	Ant1	2402	2.180	≤26	PASS
NTNV	BLE_2M	Ant1	2440	2.183	≤26	PASS
NTNV	BLE_2M	Ant1	2480	2.188	≤26	PASS



Test Graphs



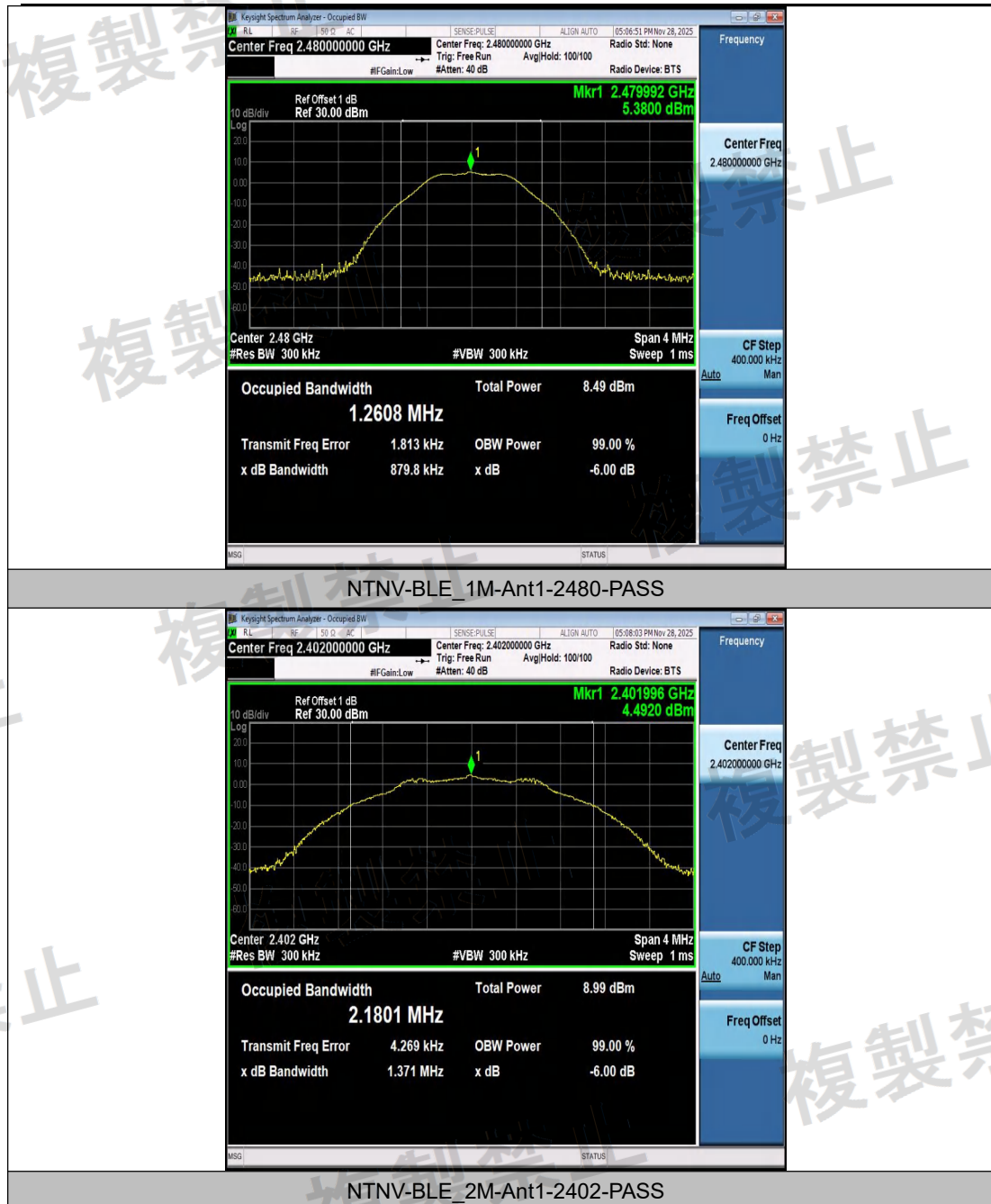
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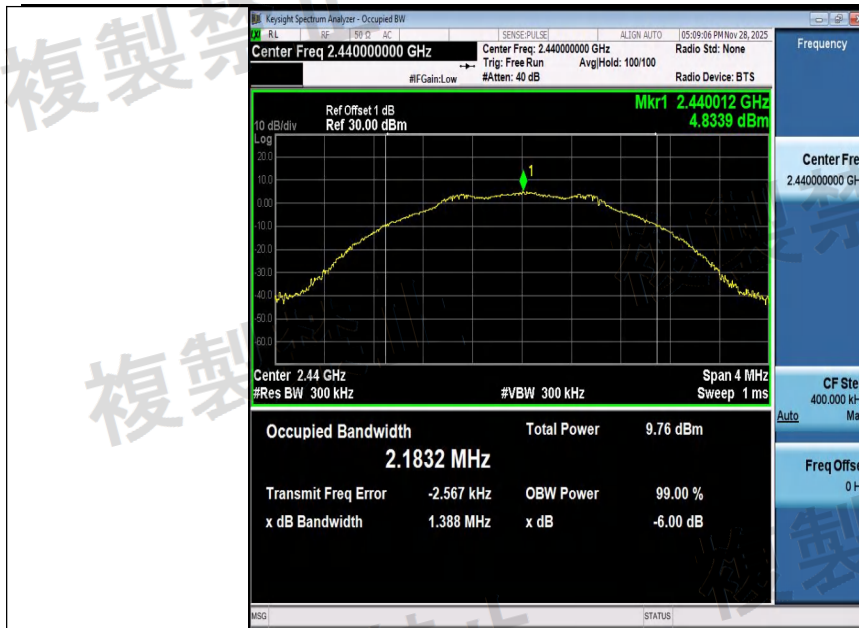
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86)0755-26066440 Email: service@anbotek.com



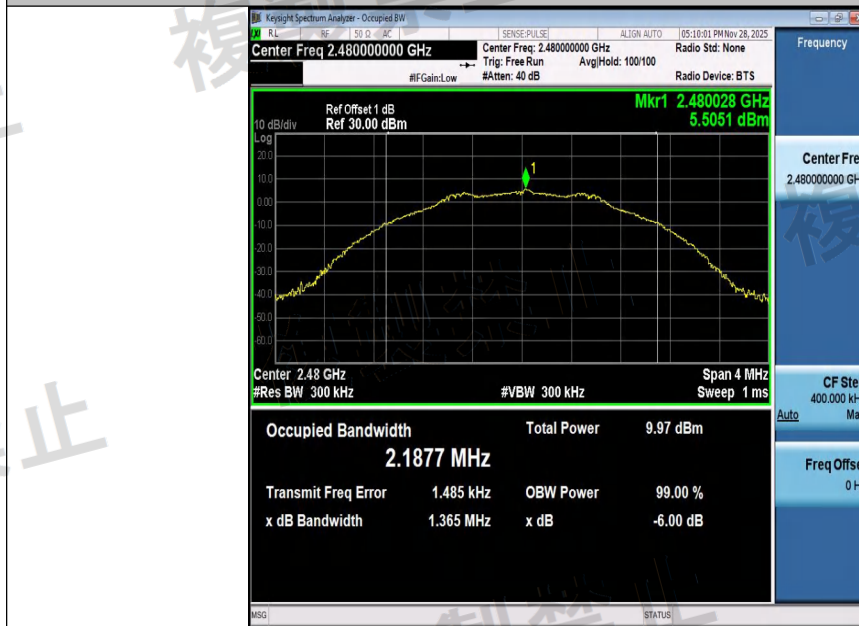
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NTNV-BLE_2M-Ant1-2440-PASS



NTNV-BLE_2M-Ant1-2480-PASS



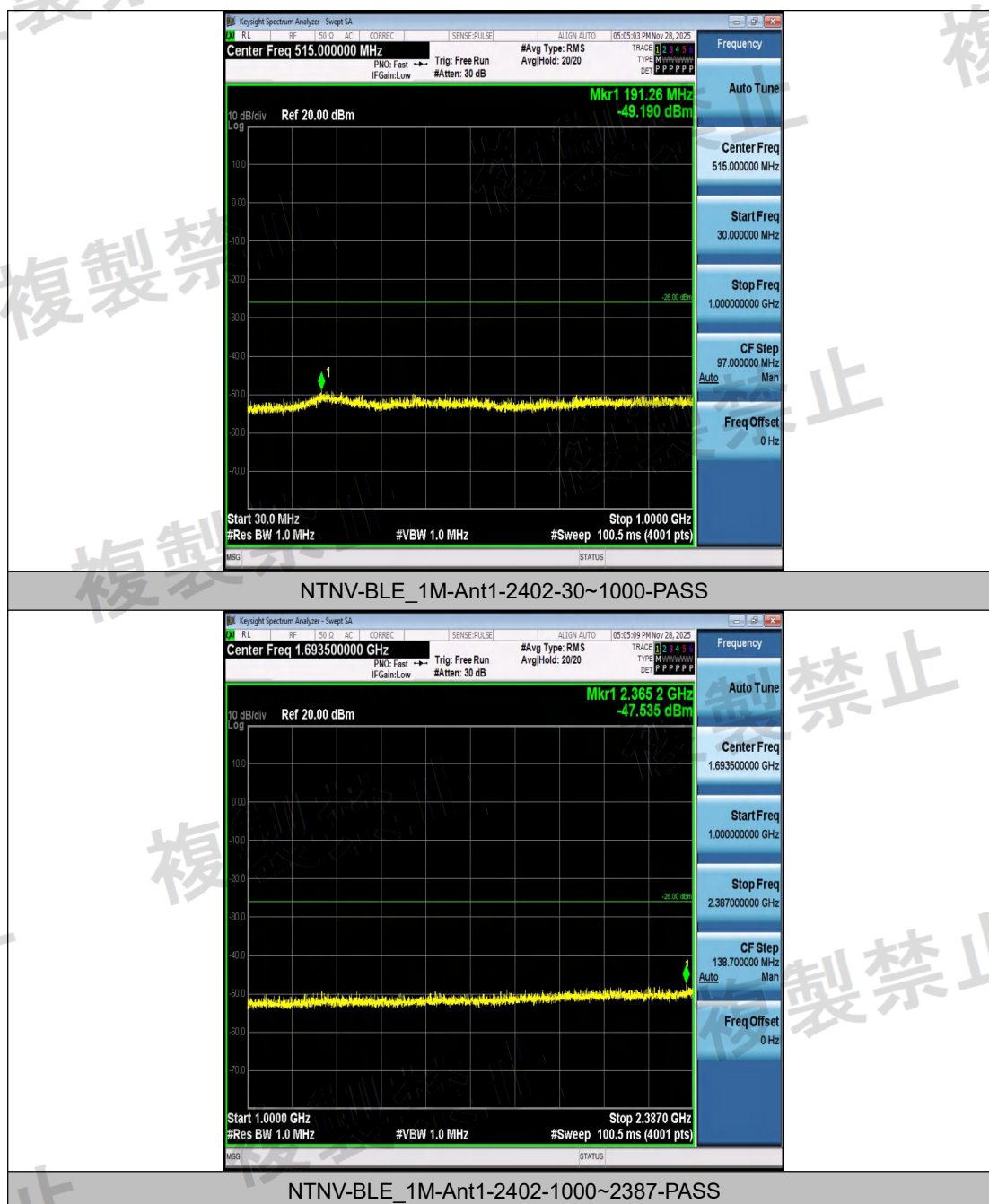
Appendix D: Spurious Emission of TX

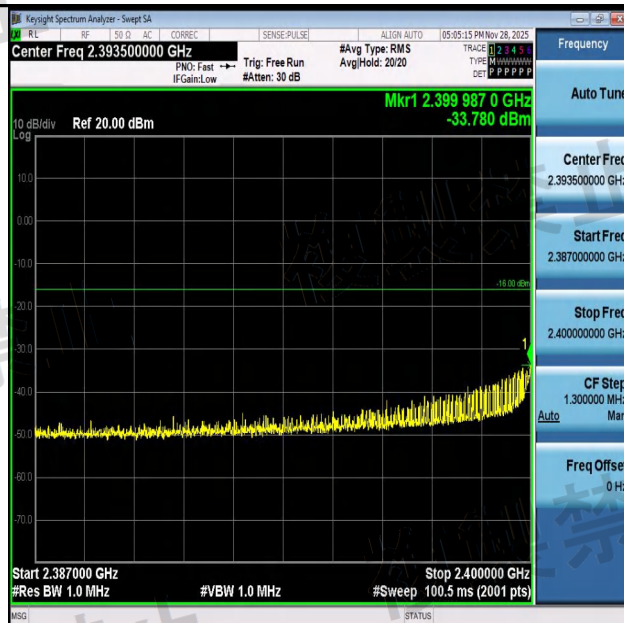
Test Result

Test Condition	Test Mode	Antenna	Freq. [MHz]	Freq.Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	191.26	-49.19	≤-26	0.01205	≤2.5	PASS
NTNV	BLE_1M	Ant1	2402	1000~2387	2365.15	-47.54	≤-26	0.01762	≤2.5	PASS
NTNV	BLE_1M	Ant1	2402	2387~2400	2399.99	-33.78	≤-16	0.41879	≤25	PASS
NTNV	BLE_1M	Ant1	2402	2483.5~2496.5	2491.60	-46.99	≤-16	0.02000	≤25	PASS
NTNV	BLE_1M	Ant1	2402	2496.5~13000	6944.21	-46.34	≤-26	0.02323	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	30~1000	223.03	-48.86	≤-26	0.01300	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	1000~2387	2221.60	-46.93	≤-26	0.02028	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	2387~2400	2399.74	-46.52	≤-16	0.02228	≤25	PASS
NTNV	BLE_1M	Ant1	2440	2483.5~2496.5	2483.94	-47.18	≤-16	0.01914	≤25	PASS
NTNV	BLE_1M	Ant1	2440	2496.5~13000	5804.58	-46.45	≤-26	0.02265	≤2.5	PASS
NTNV	BLE_1M	Ant1	2480	30~1000	223.03	-48.41	≤-26	0.01442	≤2.5	PASS
NTNV	BLE_1M	Ant1	2480	1000~2387	2230.96	-47.61	≤-26	0.01734	≤2.5	PASS
NTNV	BLE_1M	Ant1	2480	2387~2400	2399.63	-46.28	≤-16	0.02355	≤25	PASS
NTNV	BLE_1M	Ant1	2480	2483.5~2496.5	2483.72	-38.70	≤-16	0.13490	≤25	PASS
NTNV	BLE_1M	Ant1	2480	2496.5~13000	8823.81	-46.54	≤-26	0.02218	≤2.5	PASS
NTNV	BLE_2M	Ant1	2402	30~1000	228.61	-48.61	≤-26	0.01377	≤2.5	PASS
NTNV	BLE_2M	Ant1	2402	1000~2387	2378.33	-46.73	≤-26	0.02123	≤2.5	PASS
NTNV	BLE_2M	Ant1	2402	2387~2400	2400.00	-19.55	≤-16	11.09175	≤25	PASS
NTNV	BLE_2M	Ant1	2402	2483.5~2496.5	2483.54	-46.54	≤-16	0.02218	≤25	PASS
NTNV	BLE_2M	Ant1	2402	2496.5~13000	12254.25	-46.40	≤-26	0.02291	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	30~1000	166.04	-48.72	≤-26	0.01343	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	1000~2387	2249.69	-47.05	≤-26	0.01972	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	2387~2400	2399.79	-45.91	≤-16	0.02564	≤25	PASS
NTNV	BLE_2M	Ant1	2440	2483.5~2496.5	2484.62	-47.20	≤-16	0.01905	≤25	PASS
NTNV	BLE_2M	Ant1	2440	2496.5~13000	12238.50	-45.95	≤-26	0.02541	≤2.5	PASS
NTNV	BLE_2M	Ant1	2480	30~1000	225.46	-47.91	≤-26	0.01618	≤2.5	PASS
NTNV	BLE_2M	Ant1	2480	1000~2387	2344.00	-47.42	≤-26	0.01811	≤2.5	PASS
NTNV	BLE_2M	Ant1	2480	2387~2400	2399.82	-45.65	≤-16	0.02723	≤25	PASS
NTNV	BLE_2M	Ant1	2480	2483.5~2496.5	2483.57	-43.80	≤-16	0.04169	≤25	PASS
NTNV	BLE_2M	Ant1	2480	2496.5~13000	12608.22	-45.81	≤-26	0.02624	≤2.5	PASS

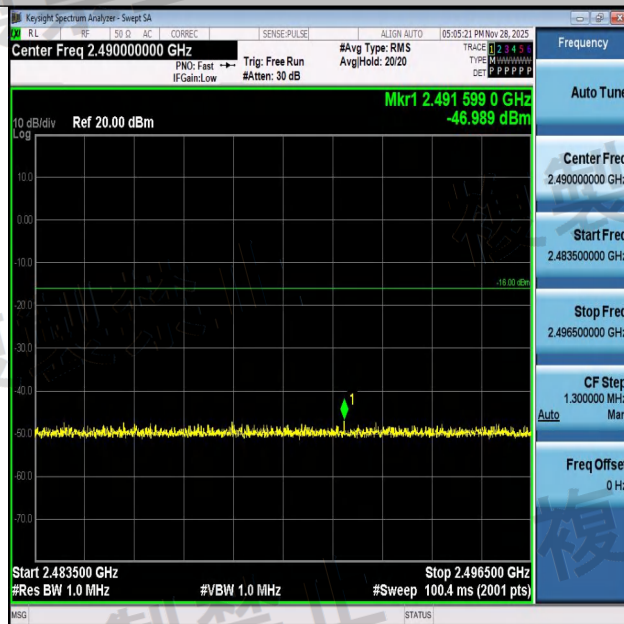


Test Graphs



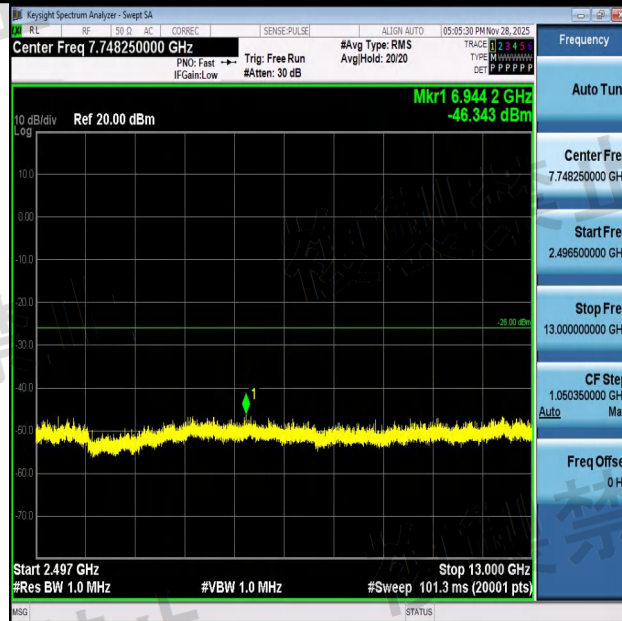


NTNV-BLE_1M-Ant1-2402-2387~2400-PASS

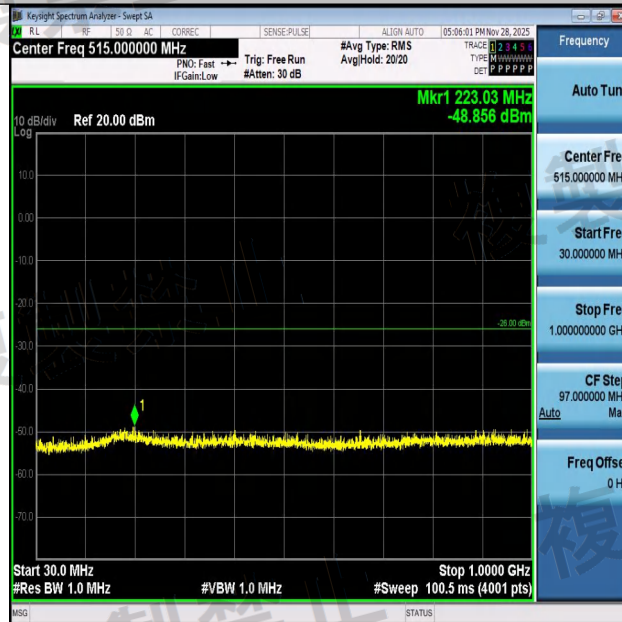


NTNV-BLE_1M-Ant1-2402-2483.5~2496.5-PASS



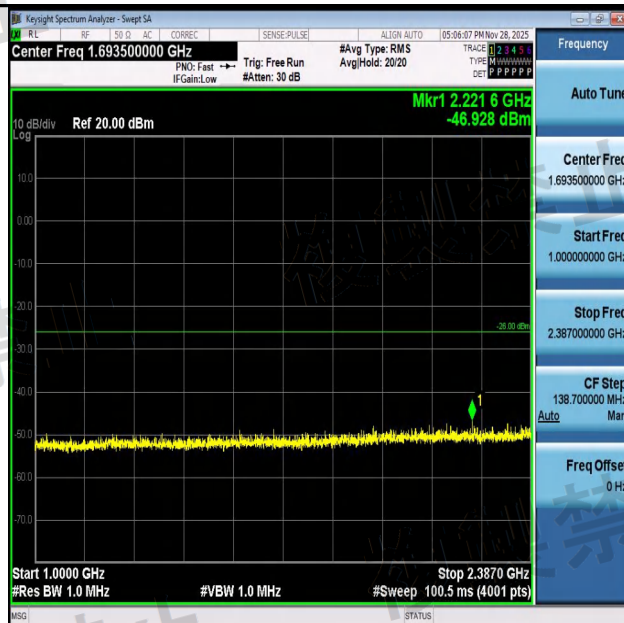


NTNV-BLE_1M-Ant1-2402-2496.5~13000-PASS

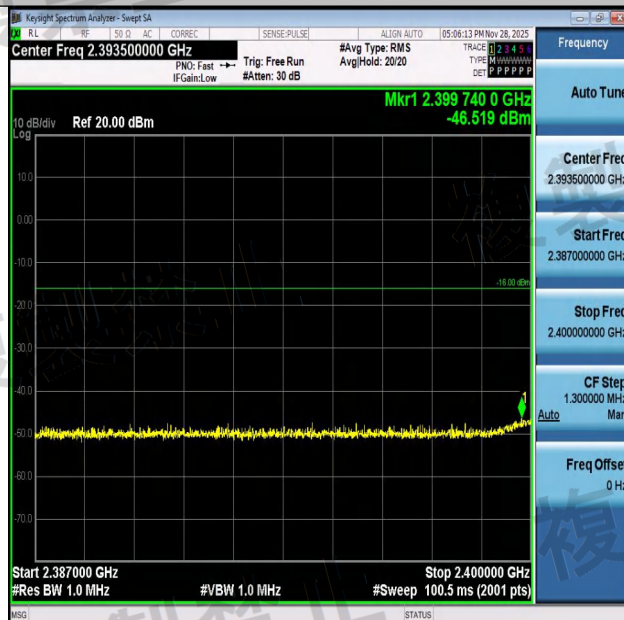


NTNV-BLE_1M-Ant1-2440-30~1000-PASS



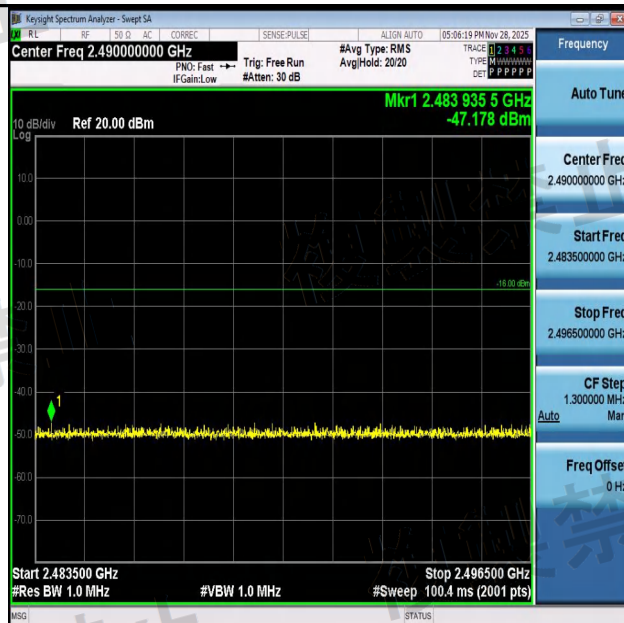


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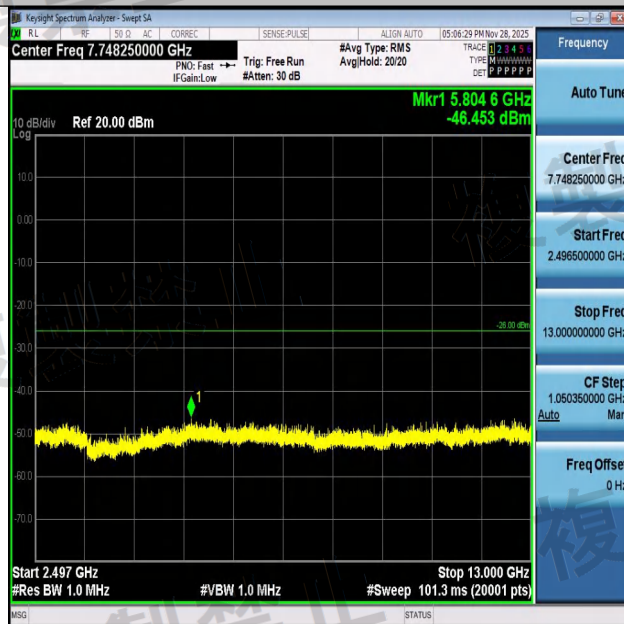


NTNV-BLE_1M-Ant1-2440-2387~2400-PASS



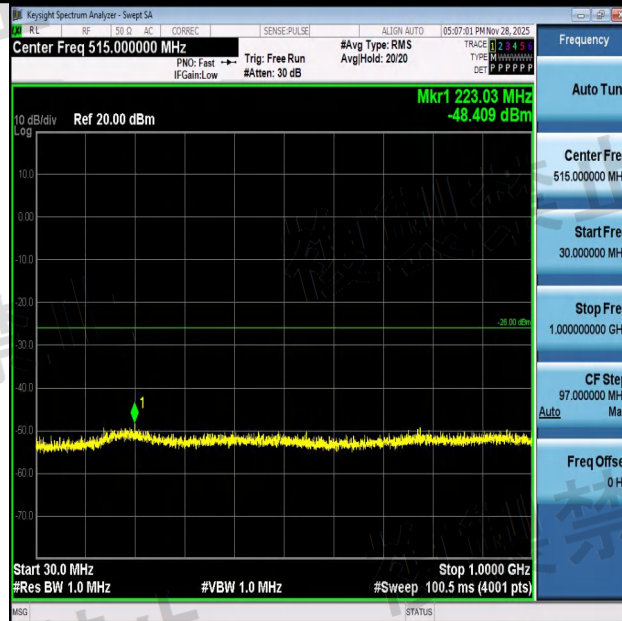


NTNV-BLE_1M-Ant1-2440-2483.5~2496.5-PASS

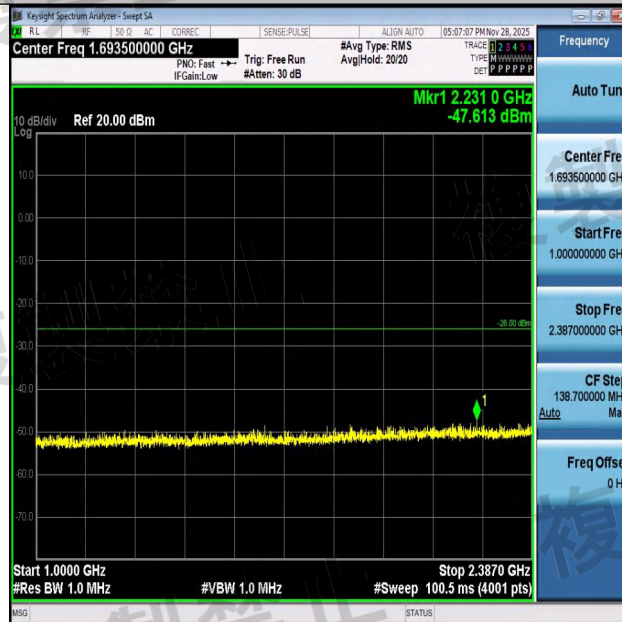


NTNV-BLE_1M-Ant1-2440-2496.5~13000-PASS



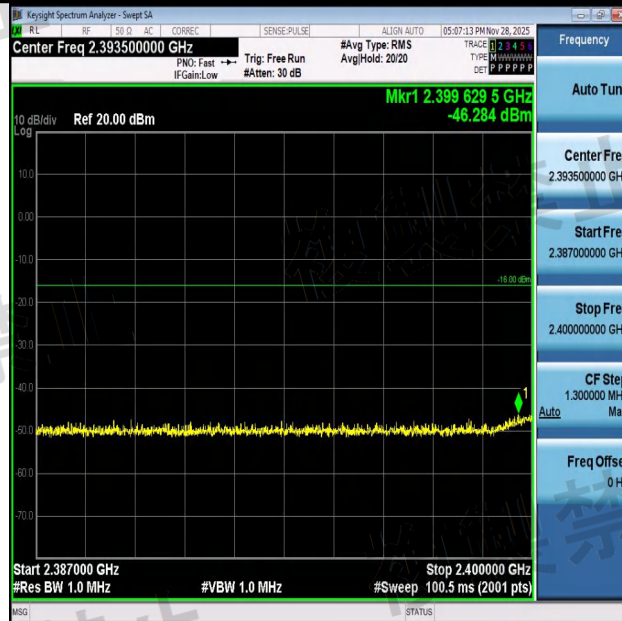


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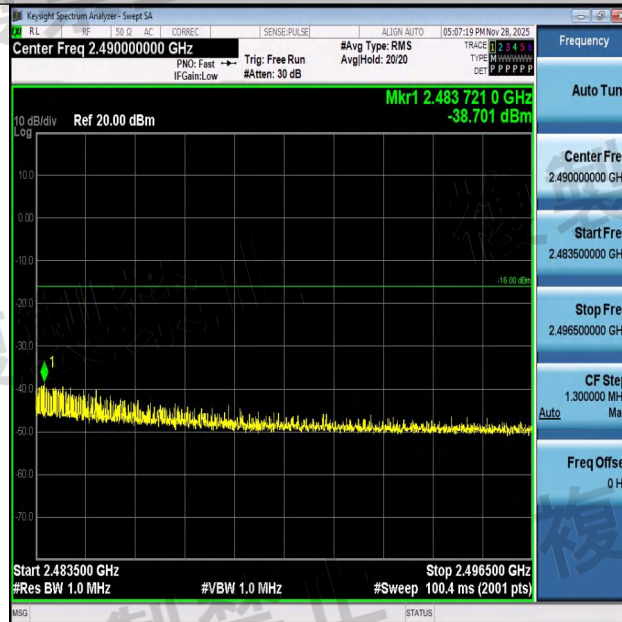


NTNV-BLE_1M-Ant1-2480-1000~2387-PASS



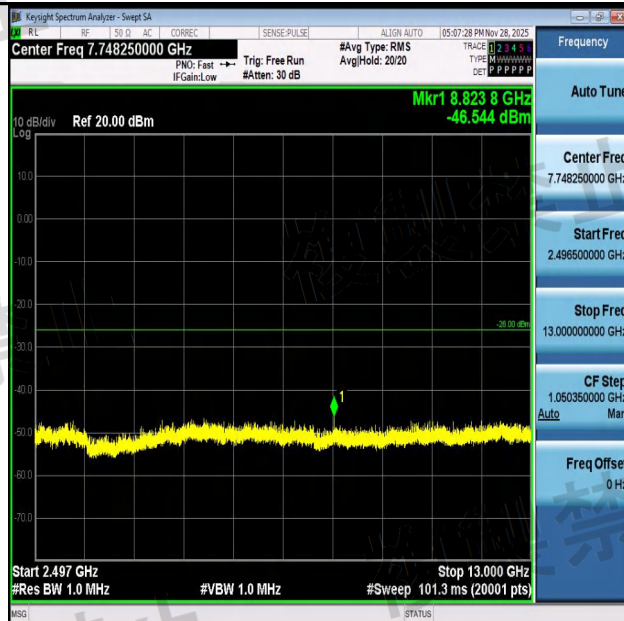


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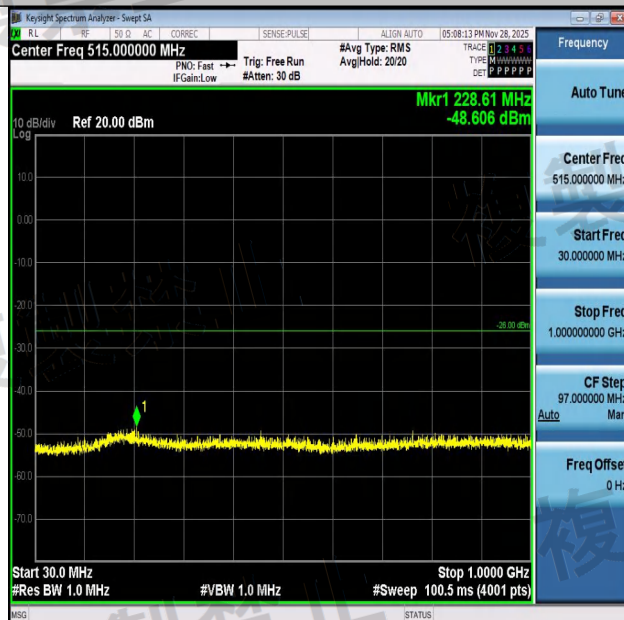


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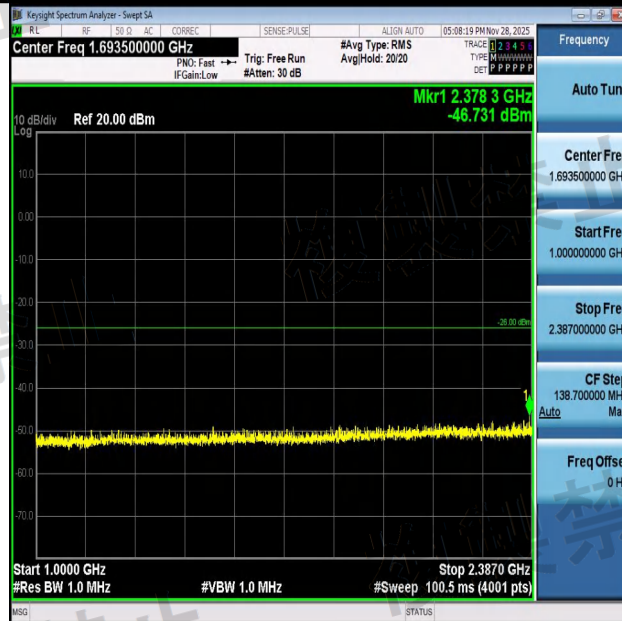


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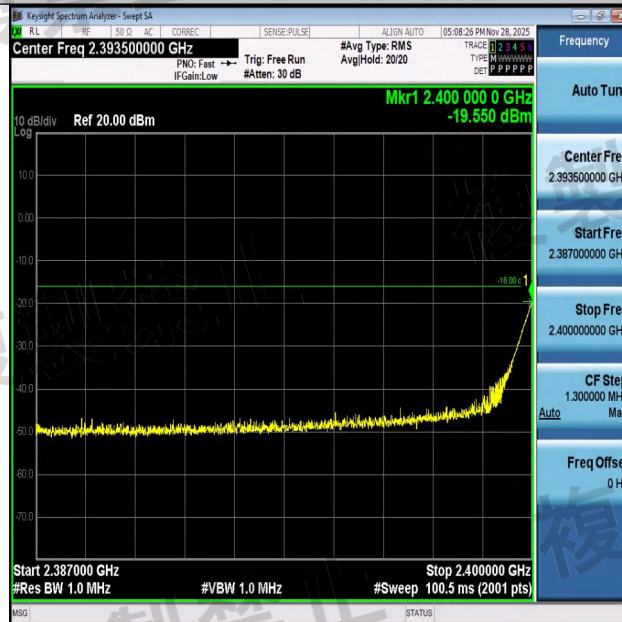


NTNV-BLE_2M-Ant1-2402-30~1000-PASS



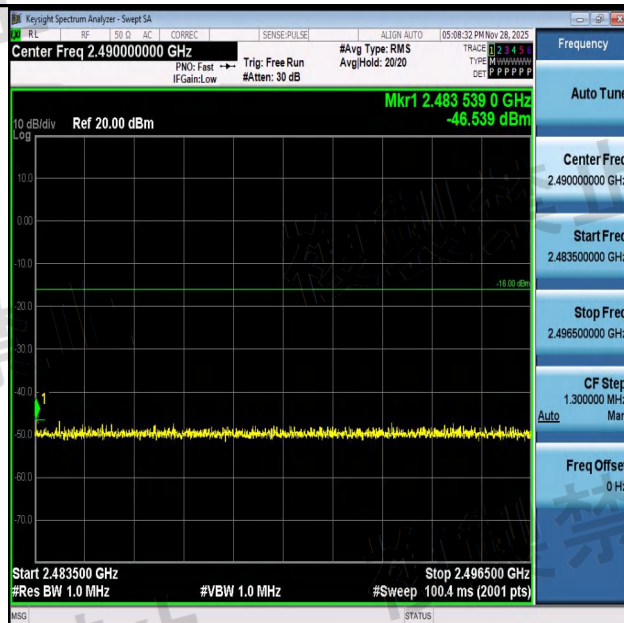


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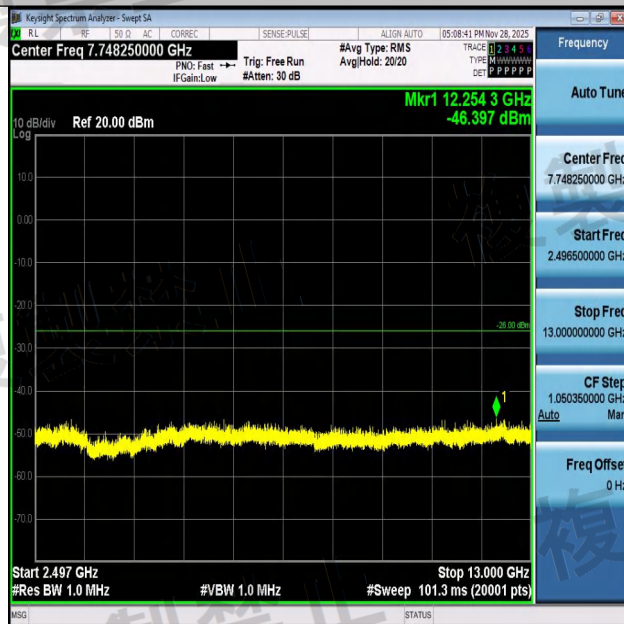


NTNV-BLE_2M-Ant1-2402-2387~2400-PASS



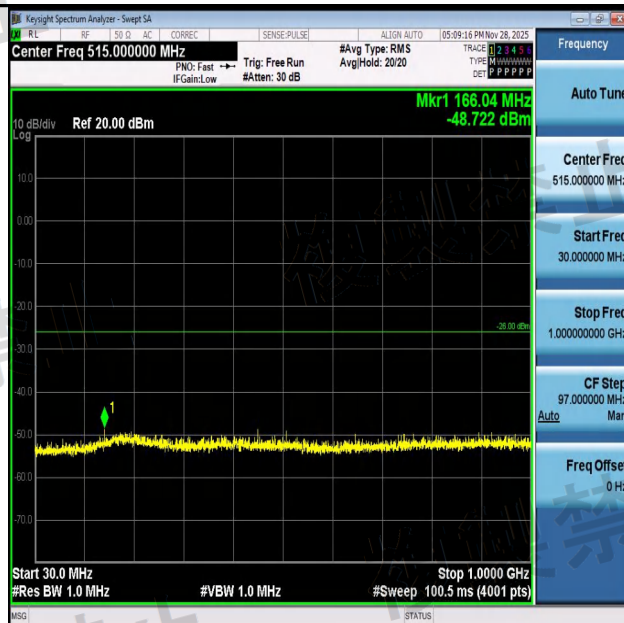


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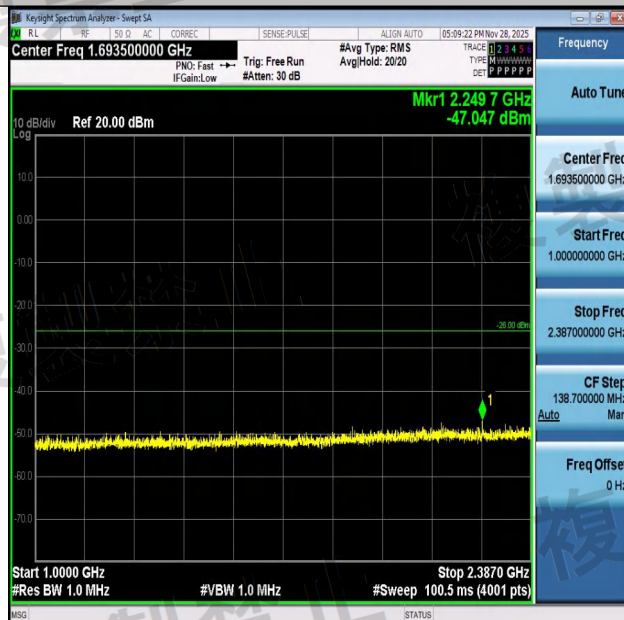


NTNV-BLE_2M-Ant1-2402-2496.5~13000-PASS



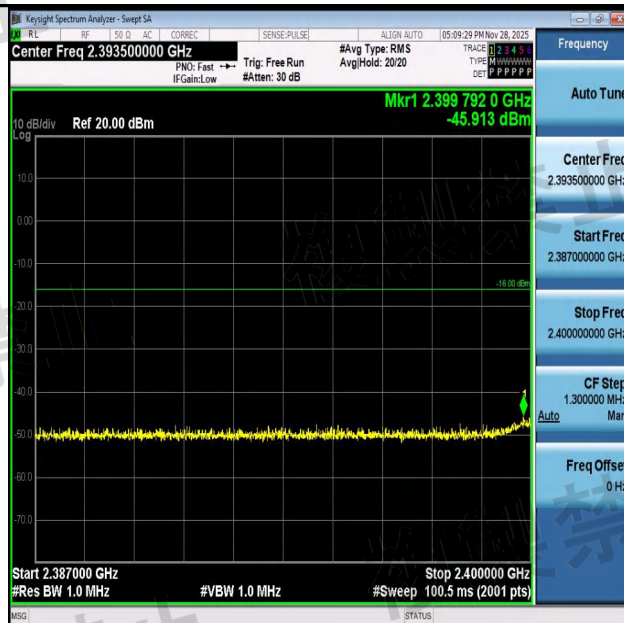


NTNV-BLE_2M-Ant1-2440-30~1000-PASS

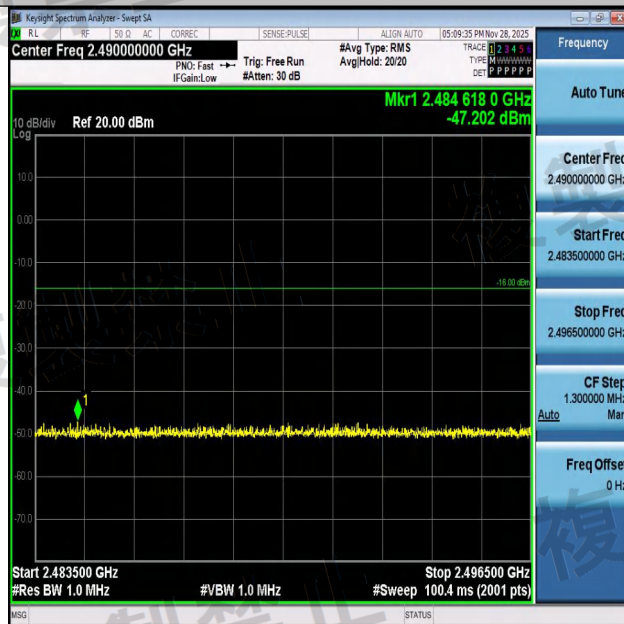


NTNV-BLE_2M-Ant1-2440-1000~2387-PASS



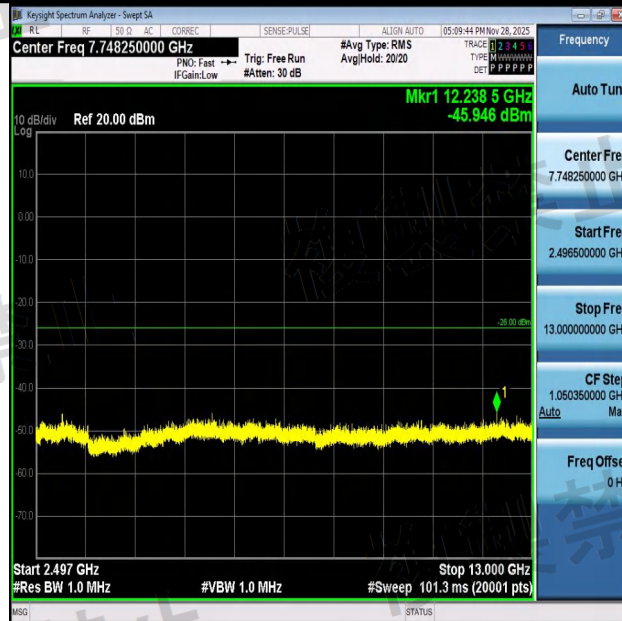


NTNV-BLE_2M-Ant1-2440-2387~2400-PASS

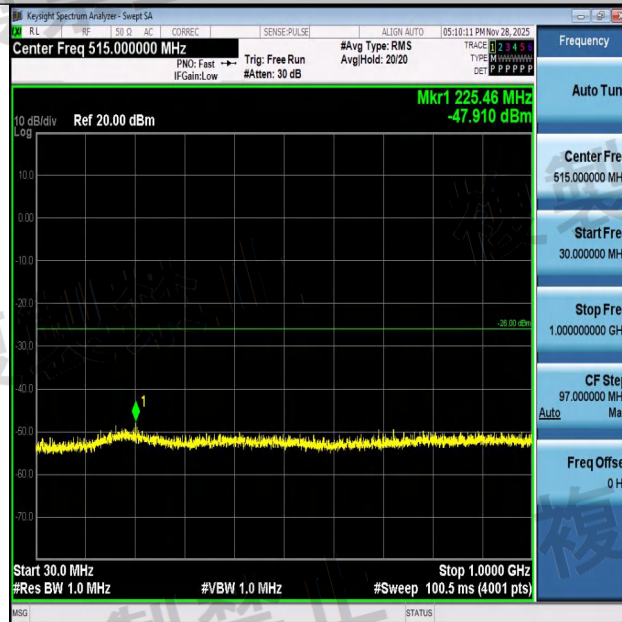


NTNV-BLE_2M-Ant1-2440-2483.5~2496.5-PASS



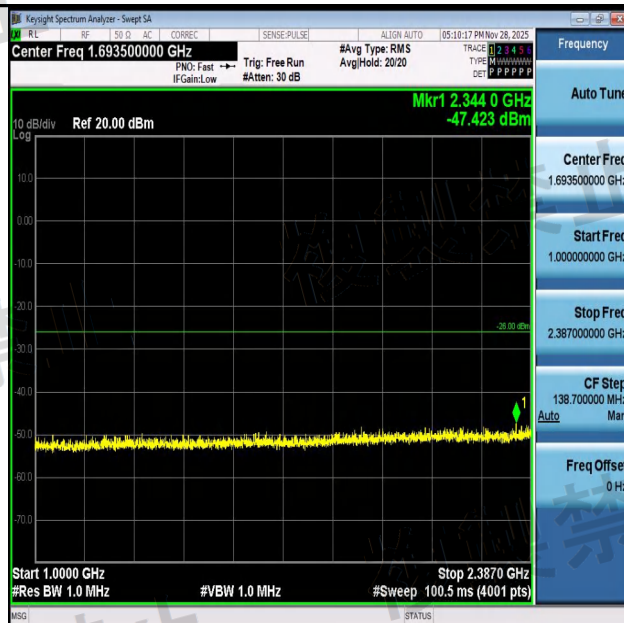


NTNV-BLE_2M-Ant1-2440-2496.5~13000-PASS

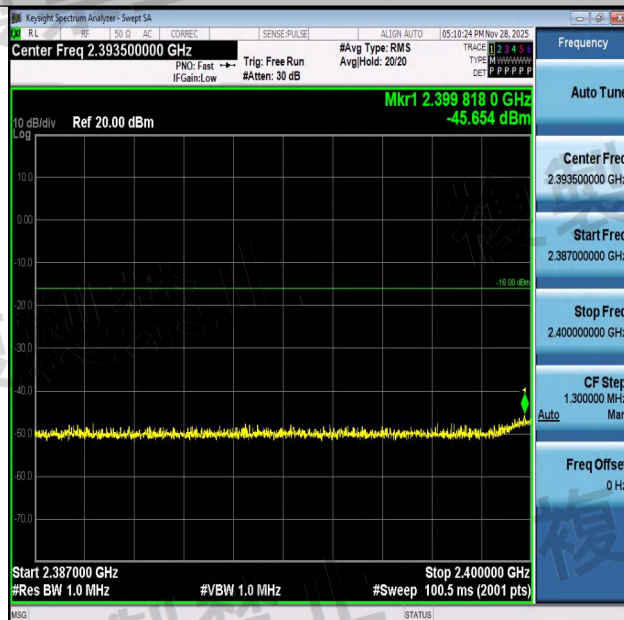


NTNV-BLE_2M-Ant1-2480-30~1000-PASS



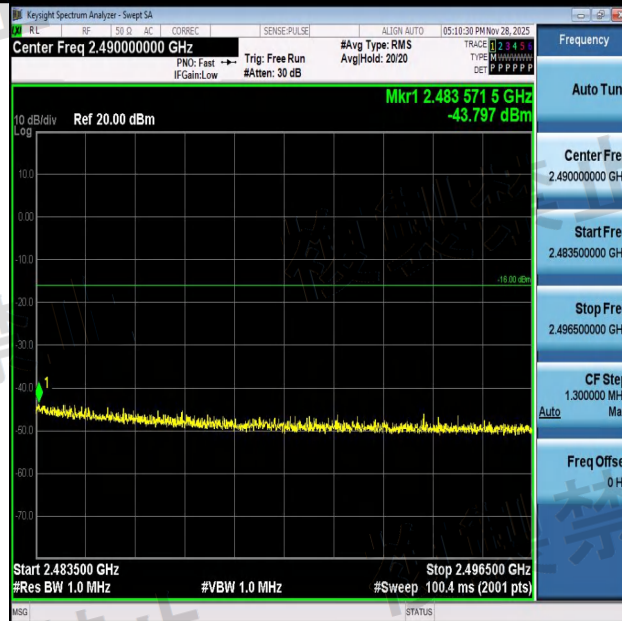


NTNV-BLE_2M-Ant1-2480-1000~2387-PASS

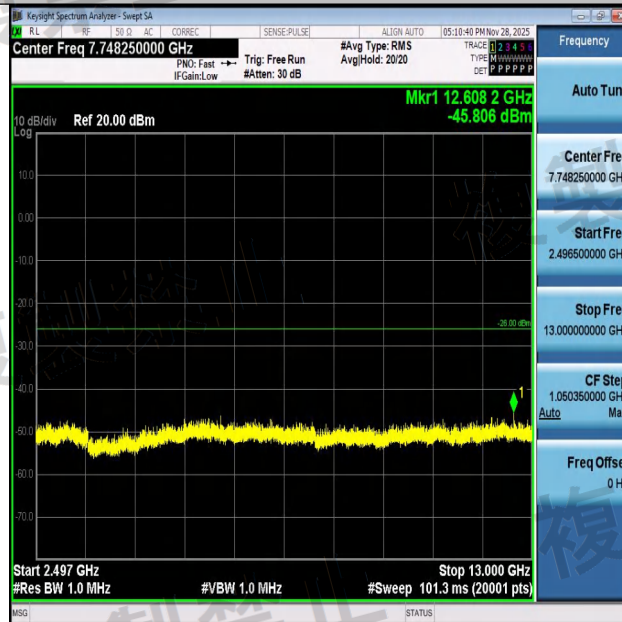


NTNV-BLE_2M-Ant1-2480-2387~2400-PASS





NTNV-BLE_2M-Ant1-2480-2483.5~2496.5-PASS



NTNV-BLE_2M-Ant1-2480-2496.5~13000-PASS



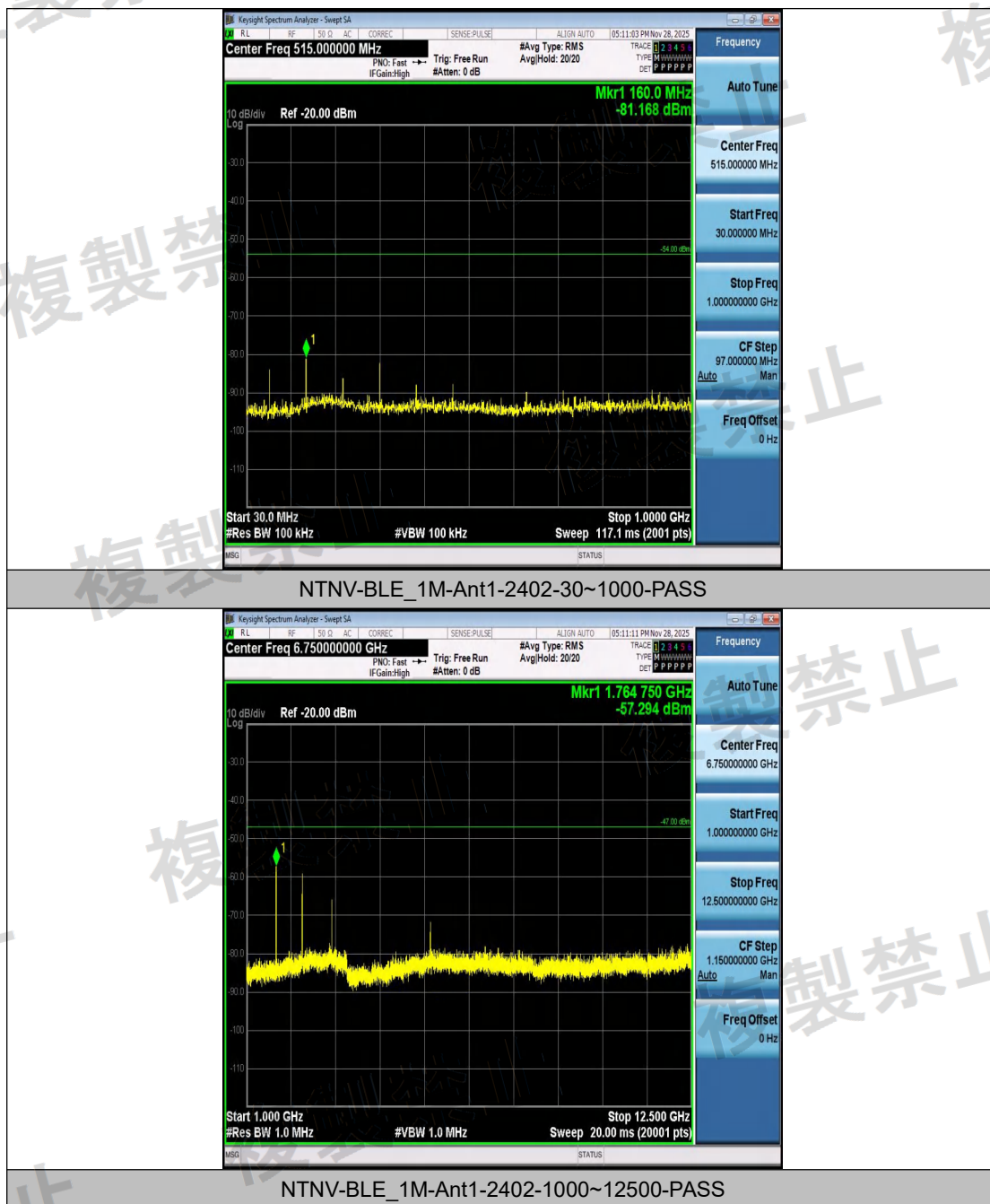
Appendix E: Spurious Emission of RX

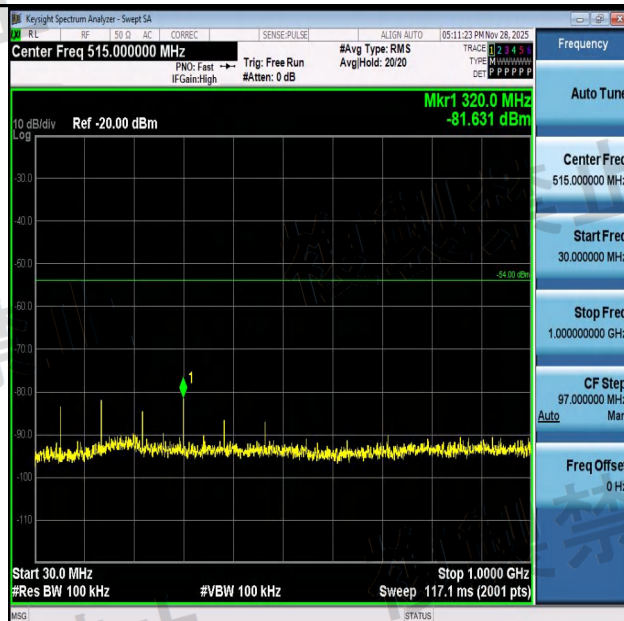
Test Result

Test Condition	Test Mode	Antenna	Freq. [MHz]	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	159.98	-81.17	≤-54	0.00764	≤4	PASS
NTNV	BLE_1M	Ant1	2402	1000~12500	1764.75	-57.29	≤-47	1.86638	≤20	PASS
NTNV	BLE_1M	Ant1	2440	30~1000	320.03	-81.63	≤-54	0.00687	≤4	PASS
NTNV	BLE_1M	Ant1	2440	1000~12500	3206.28	-65.55	≤-47	0.27861	≤20	PASS
NTNV	BLE_1M	Ant1	2480	30~1000	159.98	-81.73	≤-54	0.00671	≤4	PASS
NTNV	BLE_1M	Ant1	2480	1000~12500	3205.70	-65.70	≤-47	0.26915	≤20	PASS
NTNV	BLE_2M	Ant1	2402	30~1000	320.03	-81.17	≤-54	0.00764	≤4	PASS
NTNV	BLE_2M	Ant1	2402	1000~12500	2443.83	-59.61	≤-47	1.09396	≤20	PASS
NTNV	BLE_2M	Ant1	2440	30~1000	159.98	-81.52	≤-54	0.00705	≤4	PASS
NTNV	BLE_2M	Ant1	2440	1000~12500	3205.70	-65.71	≤-47	0.26853	≤20	PASS
NTNV	BLE_2M	Ant1	2480	30~1000	159.98	-81.74	≤-54	0.00670	≤4	PASS
NTNV	BLE_2M	Ant1	2480	1000~12500	3205.70	-65.81	≤-47	0.26242	≤20	PASS

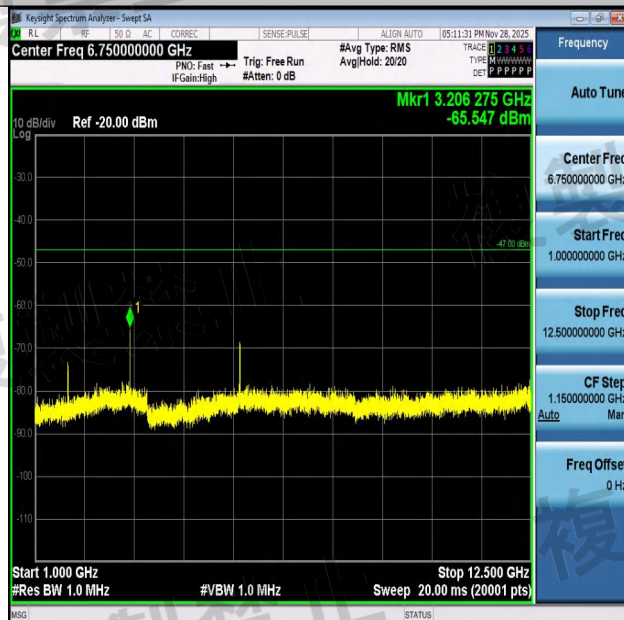


Test Graphs



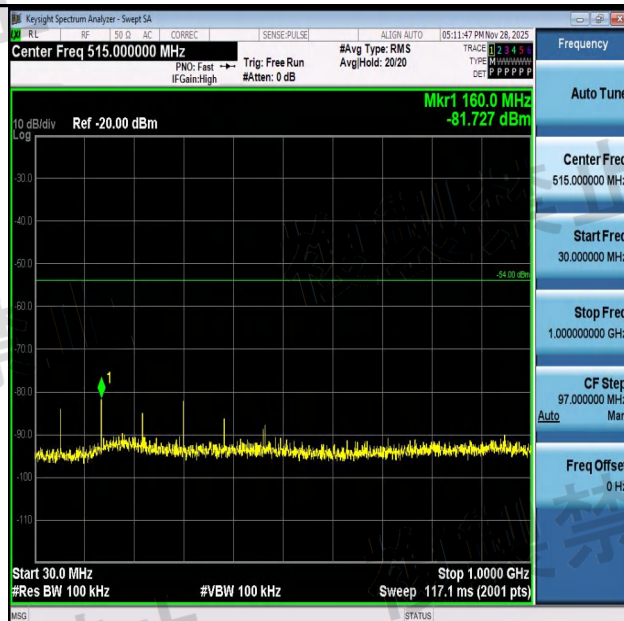


NTNV-BLE_1M-Ant1-2440-30~1000-PASS

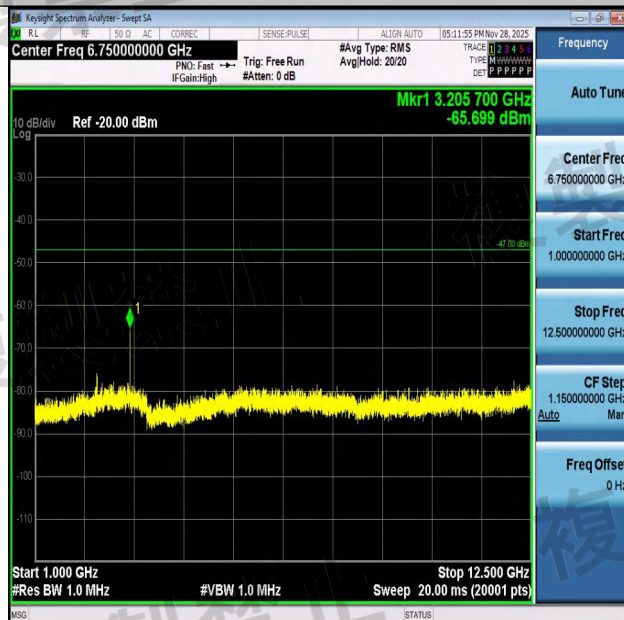


NTNV-BLE_1M-Ant1-2440-1000~12500-PASS



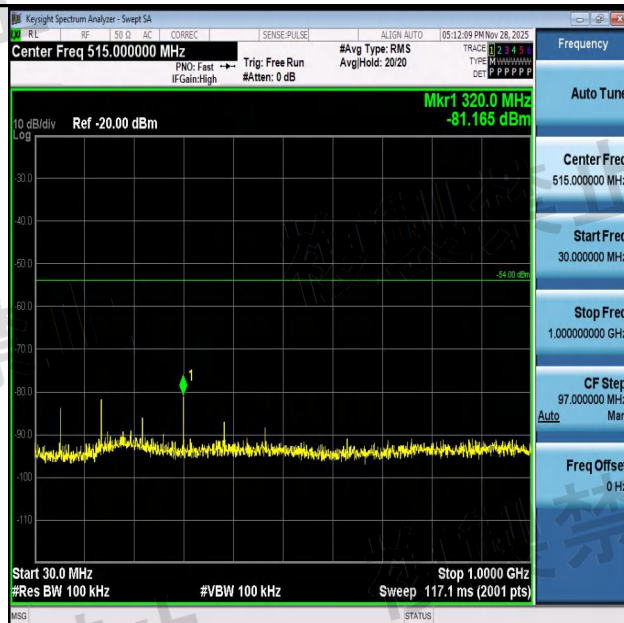


NTNV-BLE_1M-Ant1-2480-30~1000-PASS

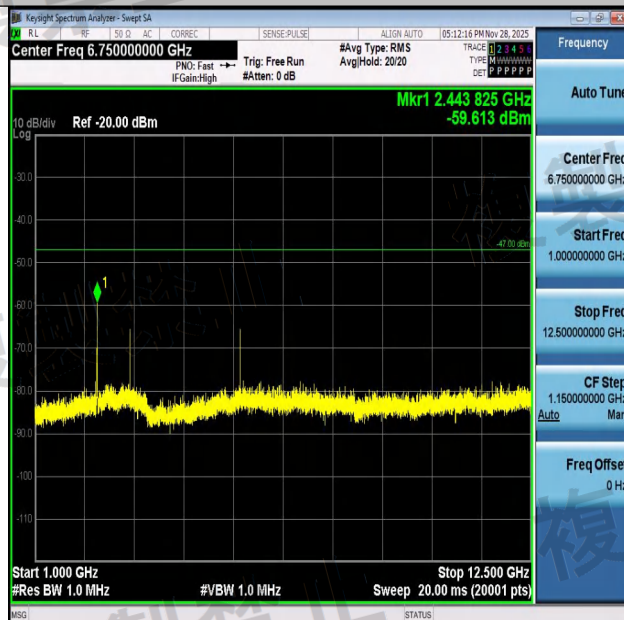


NTNV-BLE_1M-Ant1-2480-1000~12500-PASS



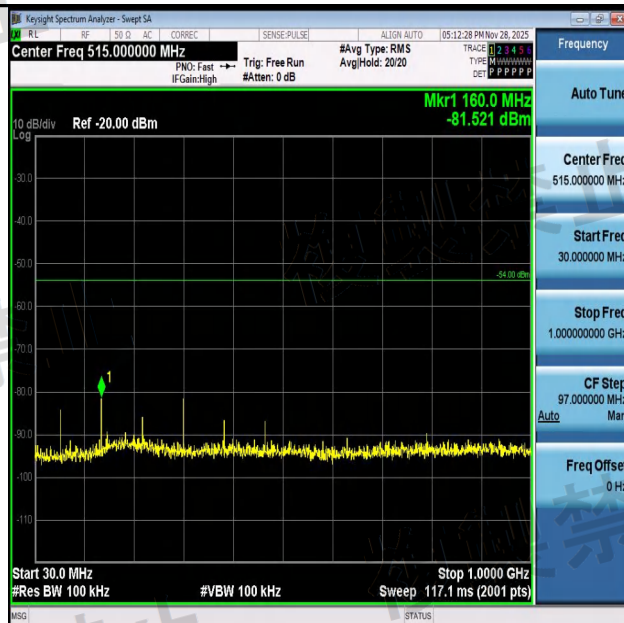


NTNV-BLE_2M-Ant1-2402-30~1000-PASS

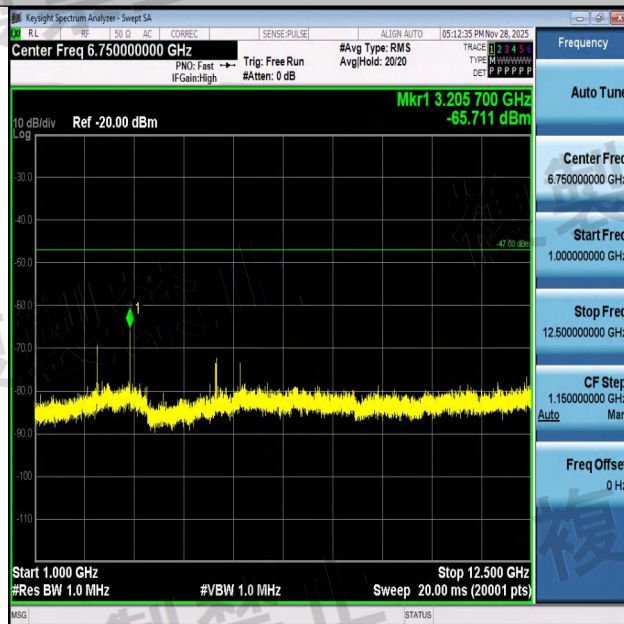


NTNV-BLE_2M-Ant1-2402-1000~12500-PASS



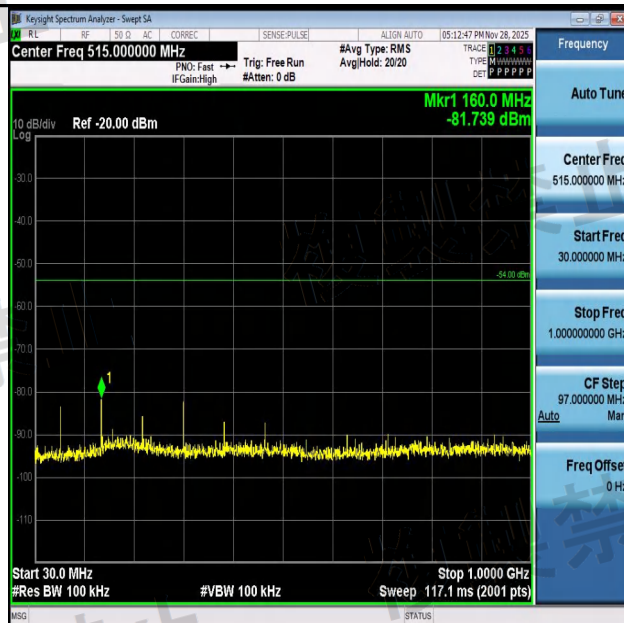


NTNV-BLE_2M-Ant1-2440-30~1000-PASS

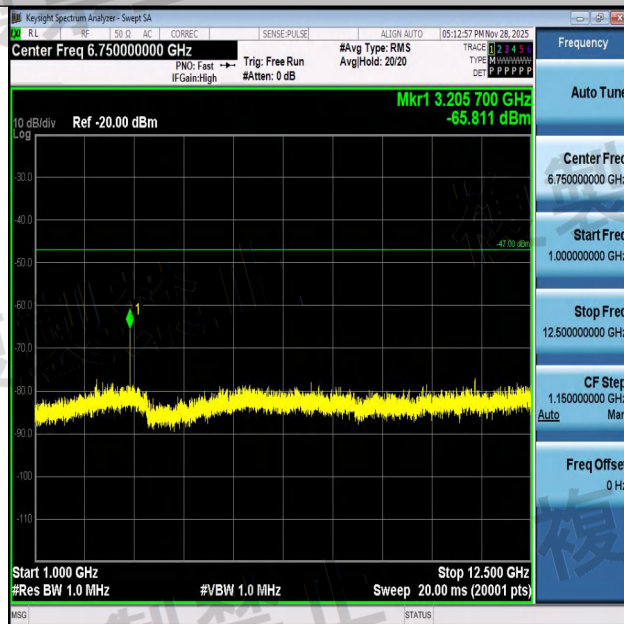


NTNV-BLE_2M-Ant1-2440-1000~12500-PASS





NTNV-BLE_2M-Ant1-2480-30~1000-PASS



NTNV-BLE_2M-Ant1-2480-1000~12500-PASS

---End---

