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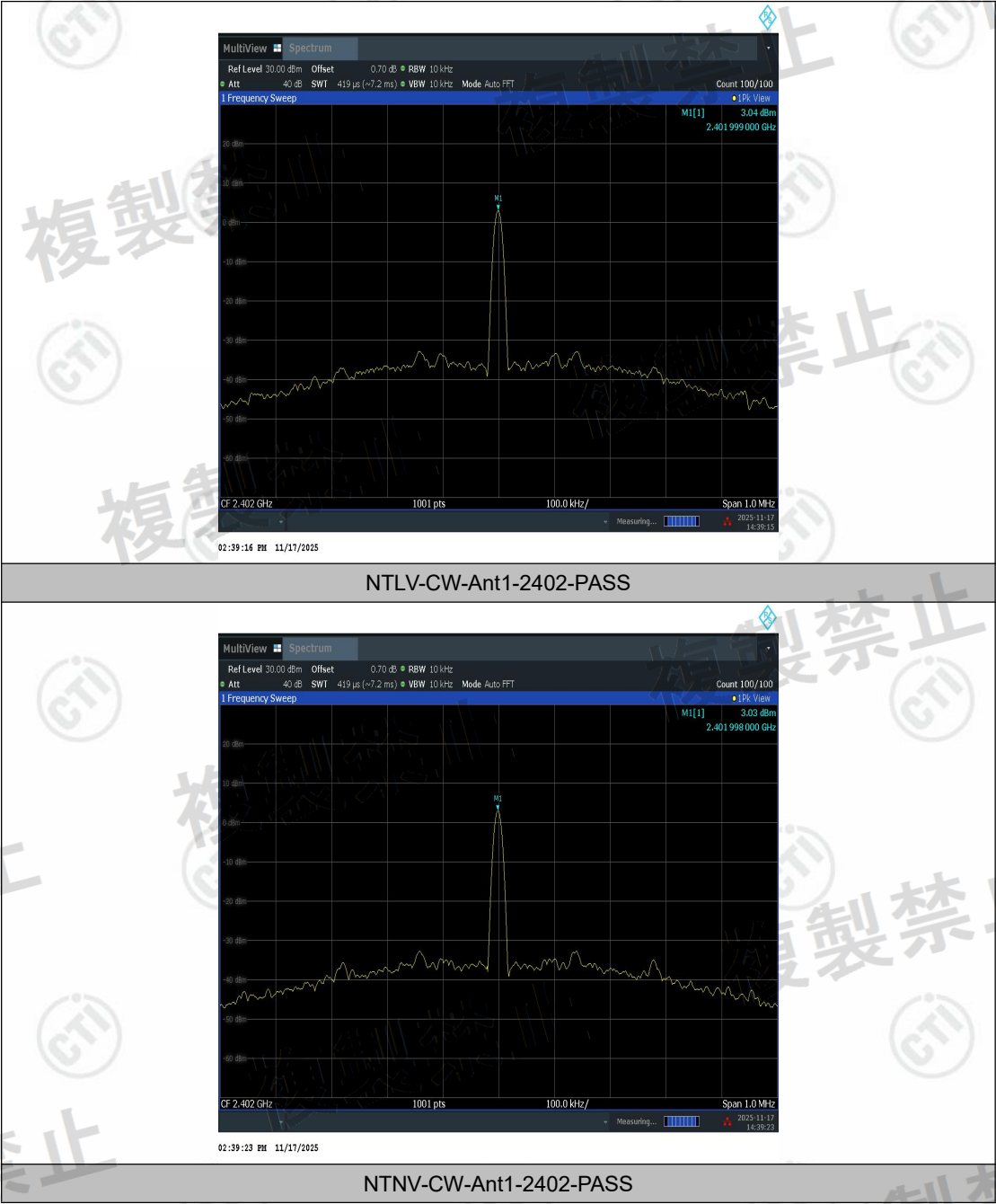
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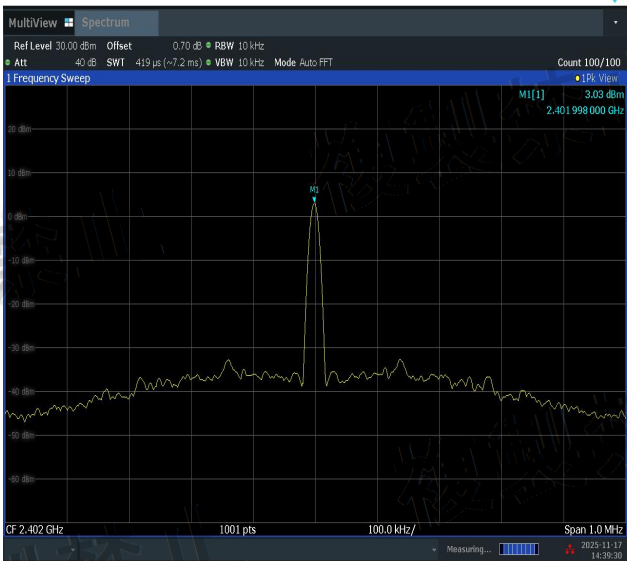
Appendix A: Frequency Error

Test Result

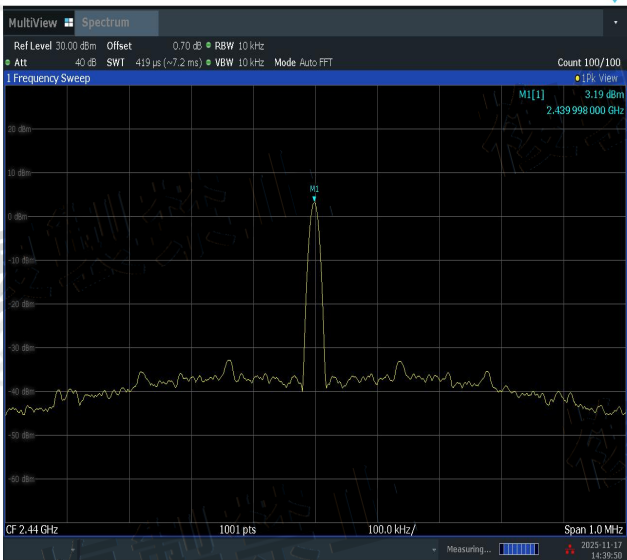
Test Condition	Test Mode	Antenna	Freq(MHz)	Center Freq [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTLV	CW	Ant1	2402	2401.999	-0.41632	±50	PASS
NTNV	CW	Ant1	2402	2401.998	-0.83264	±50	PASS
NTHV	CW	Ant1	2402	2401.998	-0.83264	±50	PASS
NTLV	CW	Ant1	2440	2439.998	-0.81967	±50	PASS
NTNV	CW	Ant1	2440	2439.998	-0.81967	±50	PASS
NTHV	CW	Ant1	2440	2439.998	-0.81967	±50	PASS
NTLV	CW	Ant1	2480	2479.998	-0.80645	±50	PASS
NTNV	CW	Ant1	2480	2479.997	-1.20968	±50	PASS
NTHV	CW	Ant1	2480	2479.997	-1.20968	±50	PASS

Test Graphs

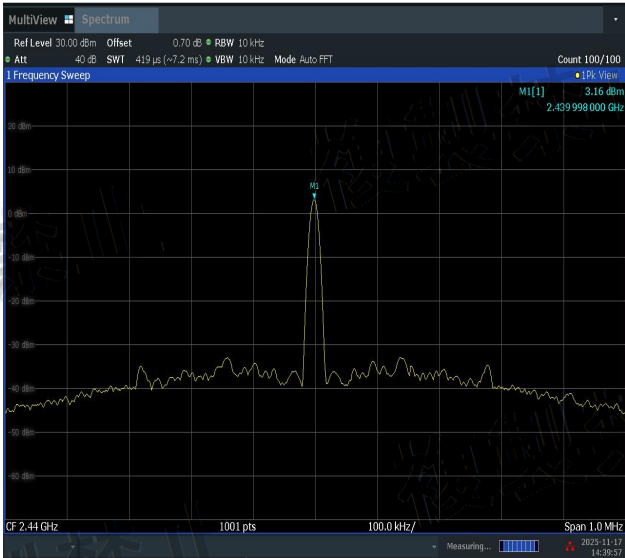




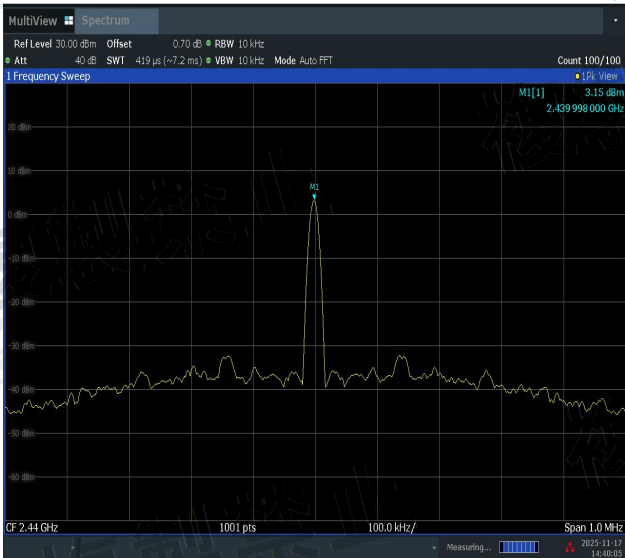
NTHV-CW-Ant1-2402-PASS



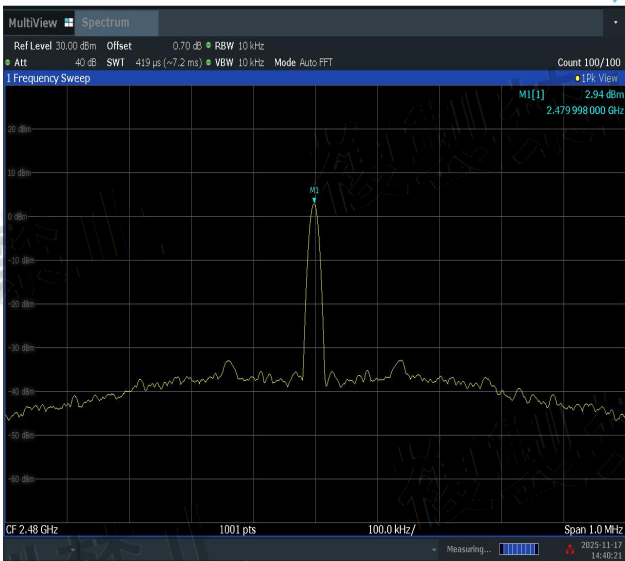
NTLV-CW-Ant1-2440-PASS



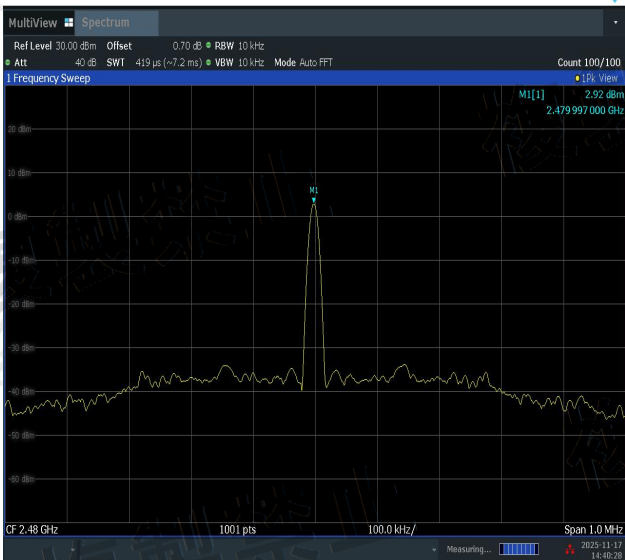
NTVN-CW-Ant1-2440-PASS



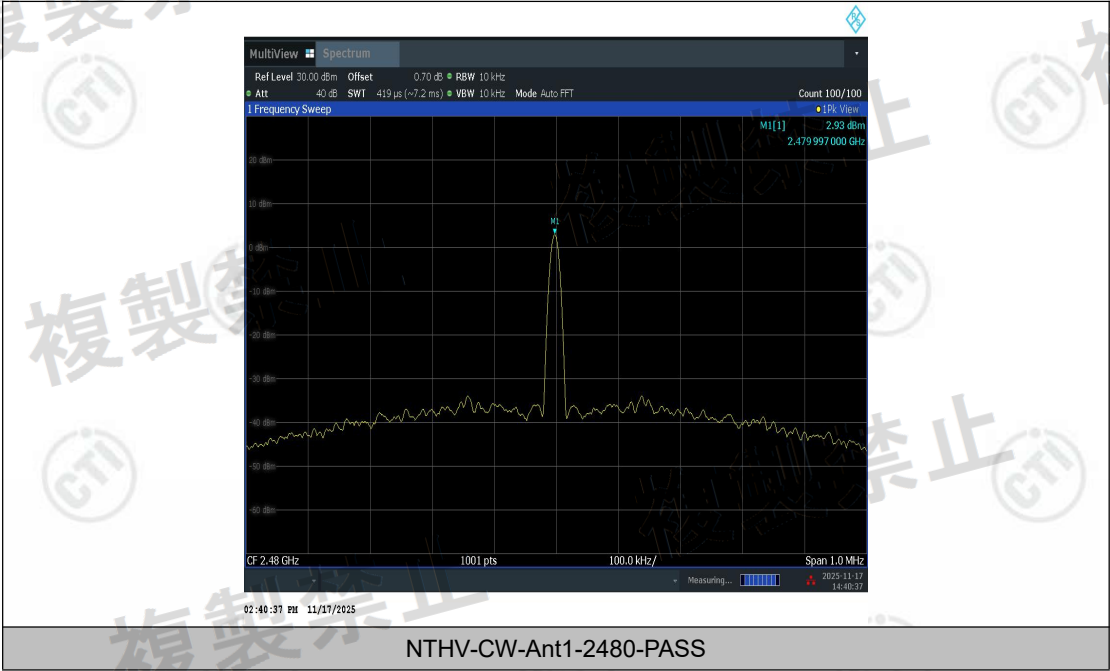
NTHV-CW-Ant1-2440-PASS



NTLV-CW-Ant1-2480-PASS



NTNV-CW-Ant1-2480-PASS



Appendix B: Antenna Power

Test Result

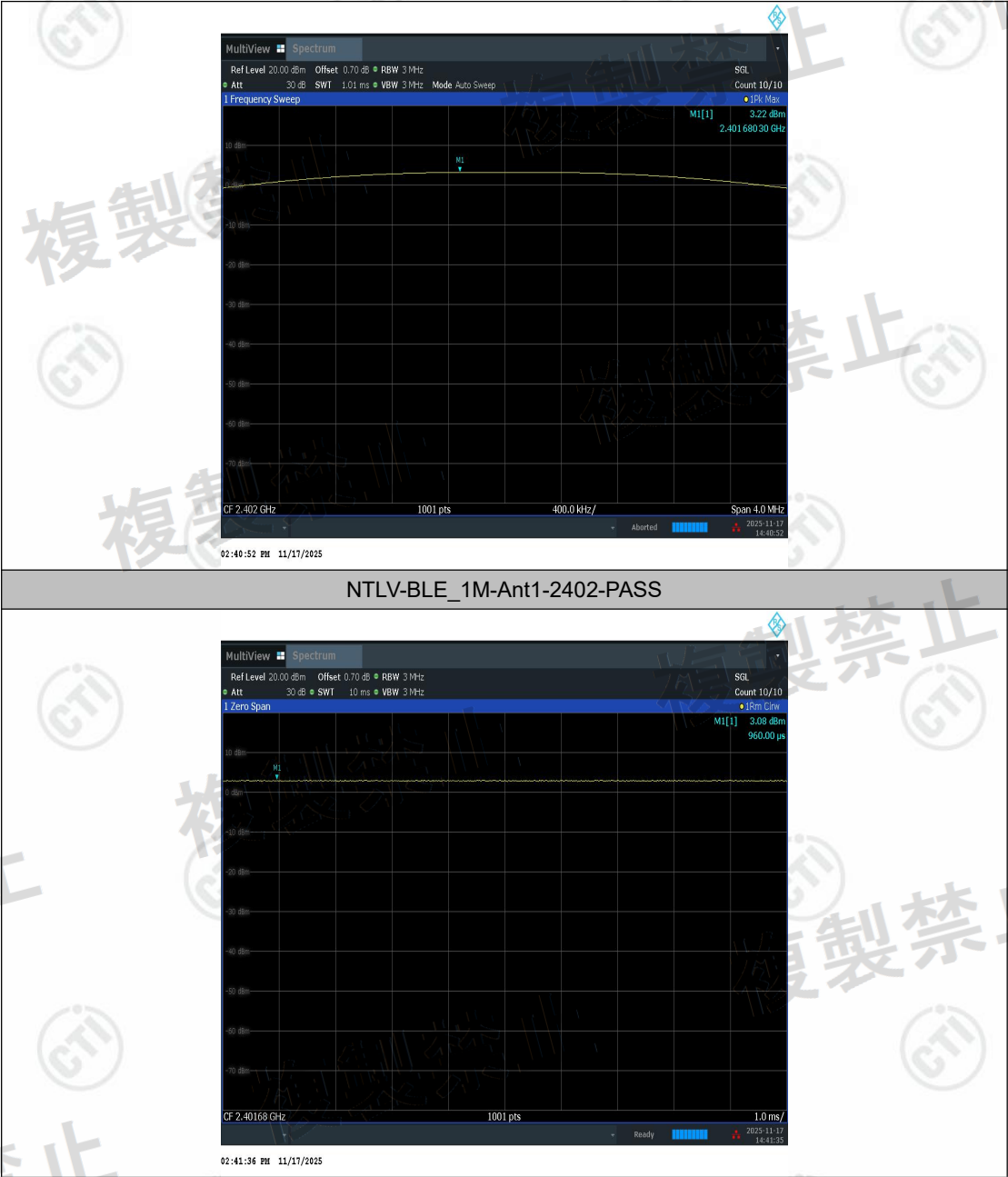
Test Condition	TestMode	Antenna	Freq(M Hz)	Result(dBm)	Result(mW)	Limit(mW)	Verdict
NTLV	BLE_1M	Ant1	2402	3.08	2.0324	≤10	PASS
NTNV	BLE_1M	Ant1	2402	3.14	2.0606	≤10	PASS
NTHV	BLE_1M	Ant1	2402	3.14	2.0606	≤10	PASS
NTLV	BLE_1M	Ant1	2440	3.27	2.1232	≤10	PASS
NTNV	BLE_1M	Ant1	2440	3.24	2.1086	≤10	PASS
NTHV	BLE_1M	Ant1	2440	3.30	2.1380	≤10	PASS
NTLV	BLE_1M	Ant1	2480	2.99	1.9907	≤10	PASS
NTNV	BLE_1M	Ant1	2480	2.98	1.9861	≤10	PASS
NTHV	BLE_1M	Ant1	2480	3.00	1.9953	≤10	PASS
NTLV	BLE_2M	Ant1	2402	3.03	2.0091	≤10	PASS
NTNV	BLE_2M	Ant1	2402	2.89	1.9454	≤10	PASS
NTHV	BLE_2M	Ant1	2402	2.95	1.9724	≤10	PASS
NTLV	BLE_2M	Ant1	2440	3.10	2.0417	≤10	PASS
NTNV	BLE_2M	Ant1	2440	3.06	2.0230	≤10	PASS
NTHV	BLE_2M	Ant1	2440	3.14	2.0606	≤10	PASS
NTLV	BLE_2M	Ant1	2480	2.82	1.9143	≤10	PASS
NTNV	BLE_2M	Ant1	2480	2.82	1.9143	≤10	PASS
NTHV	BLE_2M	Ant1	2480	2.85	1.9275	≤10	PASS

Test Condition	Test Mode	Antenna	Freq(MH z)	Power (mW)	Rated Power (mW)	Result (%)	Limit (%)	Verdict
NTLV	BLE_1M	Ant1	2402	2.0324	2.3	-11.63	NA,+20	PASS
NTNV	BLE_1M	Ant1	2402	2.0606	2.3	-10.41	NA,+20	PASS
NTHV	BLE_1M	Ant1	2402	2.0606	2.3	-10.41	NA,+20	PASS
NTLV	BLE_1M	Ant1	2440	2.1232	2.3	-7.69	NA,+20	PASS
NTNV	BLE_1M	Ant1	2440	2.1086	2.3	-8.32	NA,+20	PASS
NTHV	BLE_1M	Ant1	2440	2.1380	2.3	-7.04	NA,+20	PASS
NTLV	BLE_1M	Ant1	2480	1.9907	2.3	-13.45	NA,+20	PASS
NTNV	BLE_1M	Ant1	2480	1.9861	2.3	-13.65	NA,+20	PASS
NTHV	BLE_1M	Ant1	2480	1.9953	2.3	-13.25	NA,+20	PASS
NTLV	BLE_2M	Ant1	2402	2.0091	2	0.46	NA,+20	PASS
NTNV	BLE_2M	Ant1	2402	1.9454	2	-2.73	NA,+20	PASS
NTHV	BLE_2M	Ant1	2402	1.9724	2	-1.38	NA,+20	PASS
NTLV	BLE_2M	Ant1	2440	2.0417	2	2.09	NA,+20	PASS
NTNV	BLE_2M	Ant1	2440	2.0230	2	1.15	NA,+20	PASS

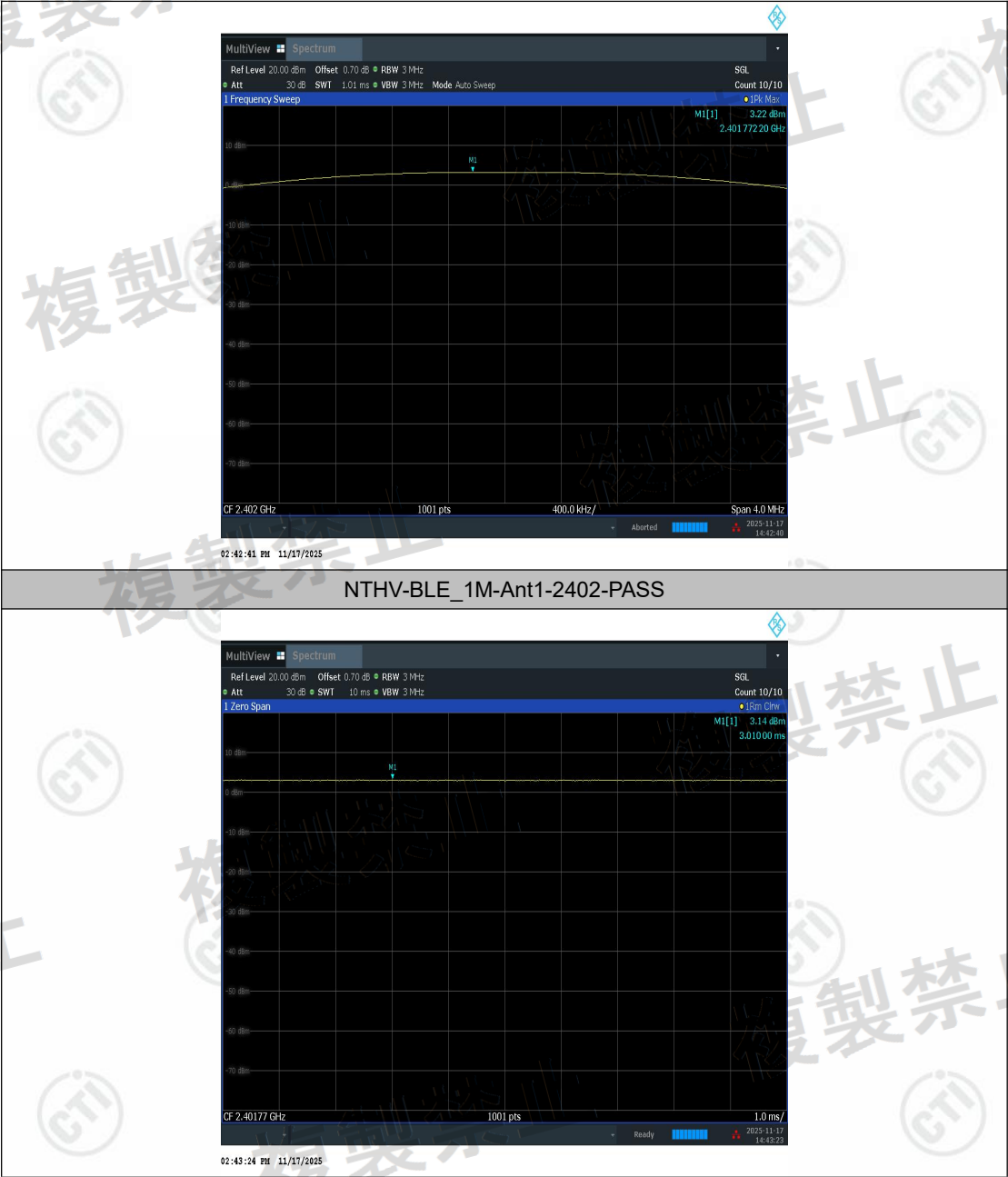
NTHV	BLE_2M	Ant1	2440	2.0606	2	3.03	NA,+20	PASS
NTLV	BLE_2M	Ant1	2480	1.9143	2	-4.29	NA,+20	PASS
NTNV	BLE_2M	Ant1	2480	1.9143	2	-4.29	NA,+20	PASS
NTHV	BLE_2M	Ant1	2480	1.9275	2	-3.63	NA,+20	PASS

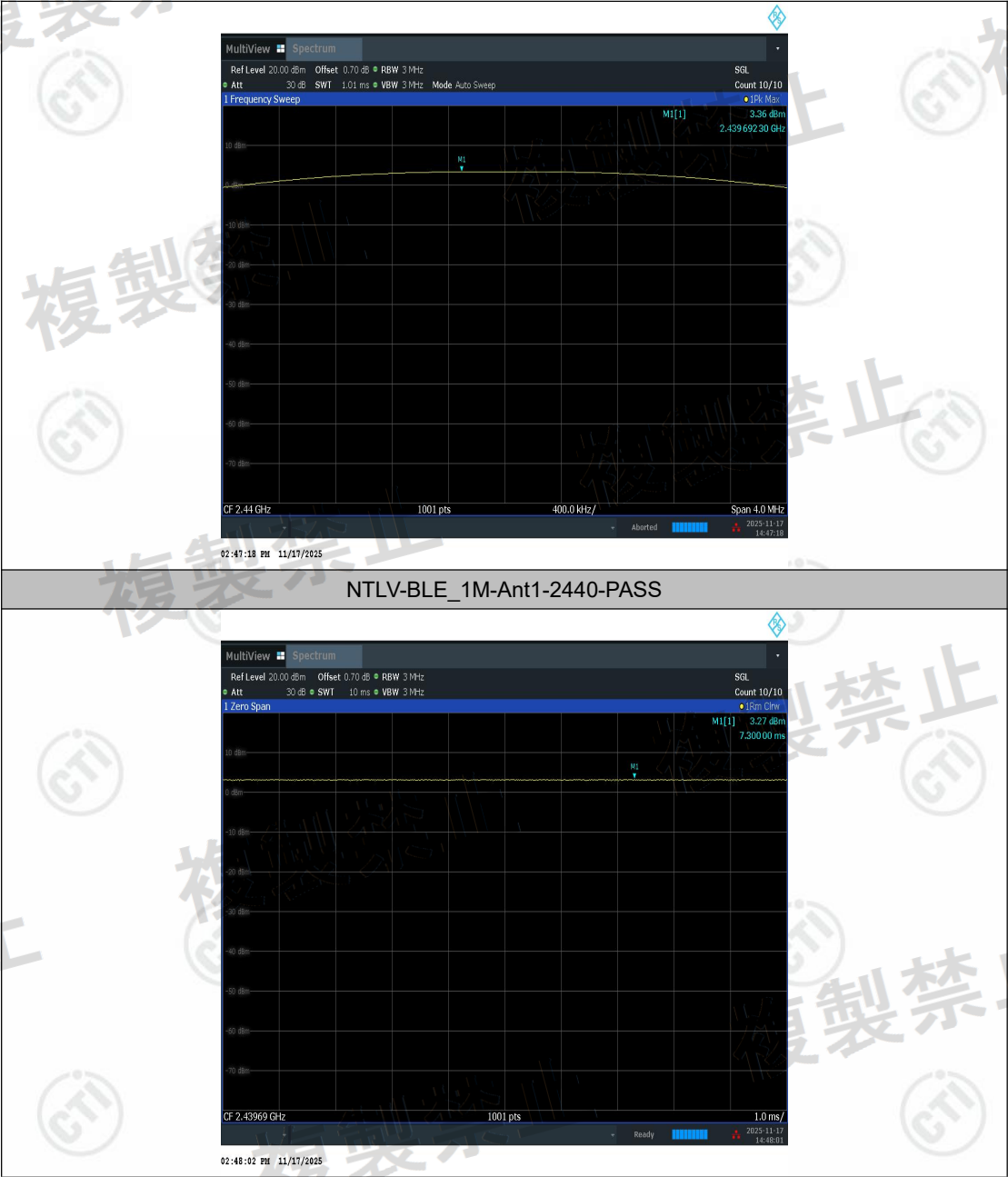
Test Condition	Test Mode	Antenna	Freq (MHz)	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
NTLV	BLE_1M	Ant1	2402	3.08	5.17	≤12.14	PASS
NTNV	BLE_1M	Ant1	2402	3.14	5.23	≤12.14	PASS
NTHV	BLE_1M	Ant1	2402	3.14	5.23	≤12.14	PASS
NTLV	BLE_1M	Ant1	2440	3.27	5.36	≤12.14	PASS
NTNV	BLE_1M	Ant1	2440	3.24	5.33	≤12.14	PASS
NTHV	BLE_1M	Ant1	2440	3.30	5.39	≤12.14	PASS
NTLV	BLE_1M	Ant1	2480	2.99	5.08	≤12.14	PASS
NTNV	BLE_1M	Ant1	2480	2.98	5.07	≤12.14	PASS
NTHV	BLE_1M	Ant1	2480	3.00	5.09	≤12.14	PASS
NTLV	BLE_2M	Ant1	2402	3.03	5.12	≤12.14	PASS
NTNV	BLE_2M	Ant1	2402	2.89	4.98	≤12.14	PASS
NTHV	BLE_2M	Ant1	2402	2.95	5.04	≤12.14	PASS
NTLV	BLE_2M	Ant1	2440	3.10	5.19	≤12.14	PASS
NTNV	BLE_2M	Ant1	2440	3.06	5.15	≤12.14	PASS
NTHV	BLE_2M	Ant1	2440	3.14	5.23	≤12.14	PASS
NTLV	BLE_2M	Ant1	2480	2.82	4.91	≤12.14	PASS
NTNV	BLE_2M	Ant1	2480	2.82	4.91	≤12.14	PASS
NTHV	BLE_2M	Ant1	2480	2.85	4.94	≤12.14	PASS

Test Graphs



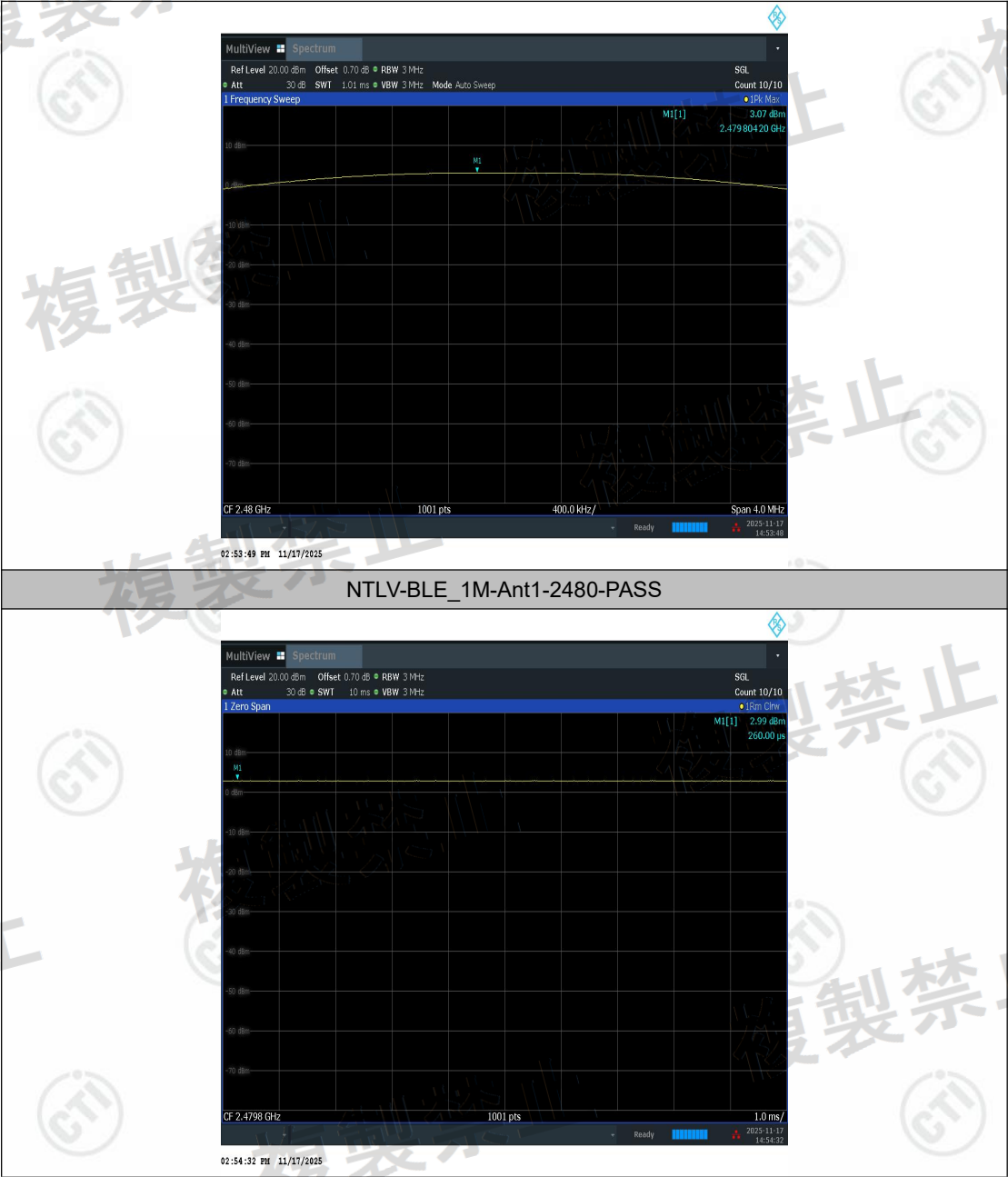


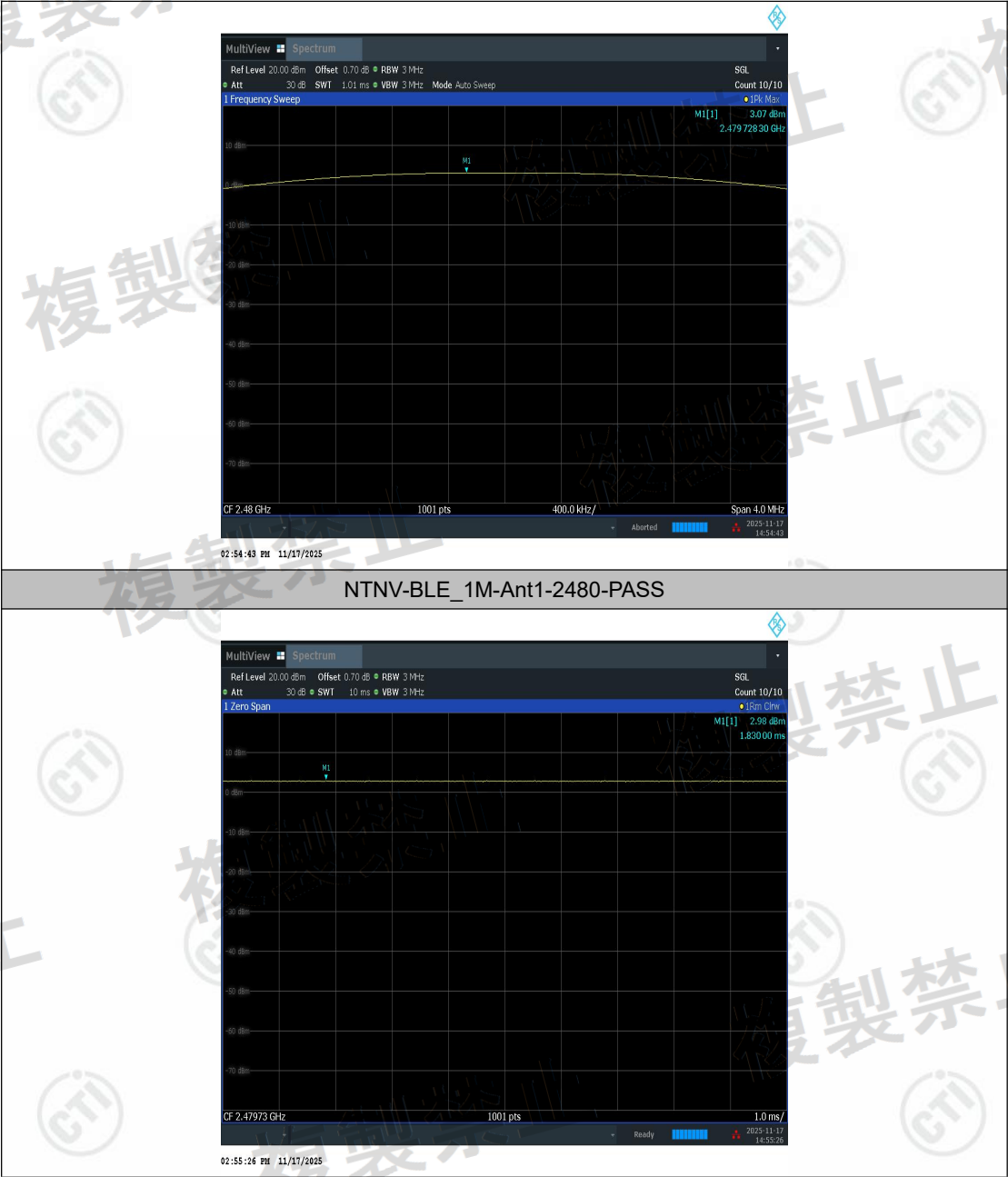


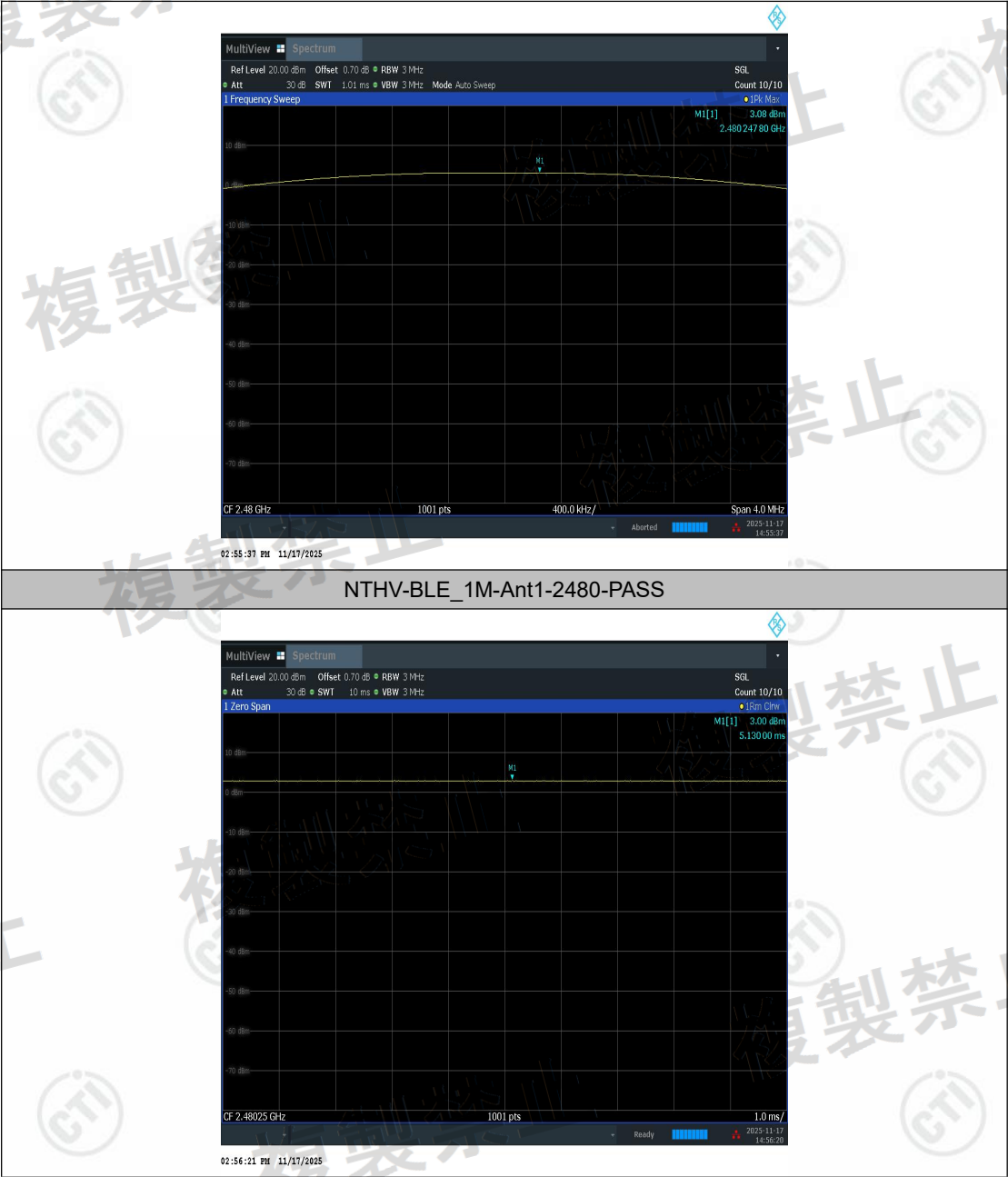




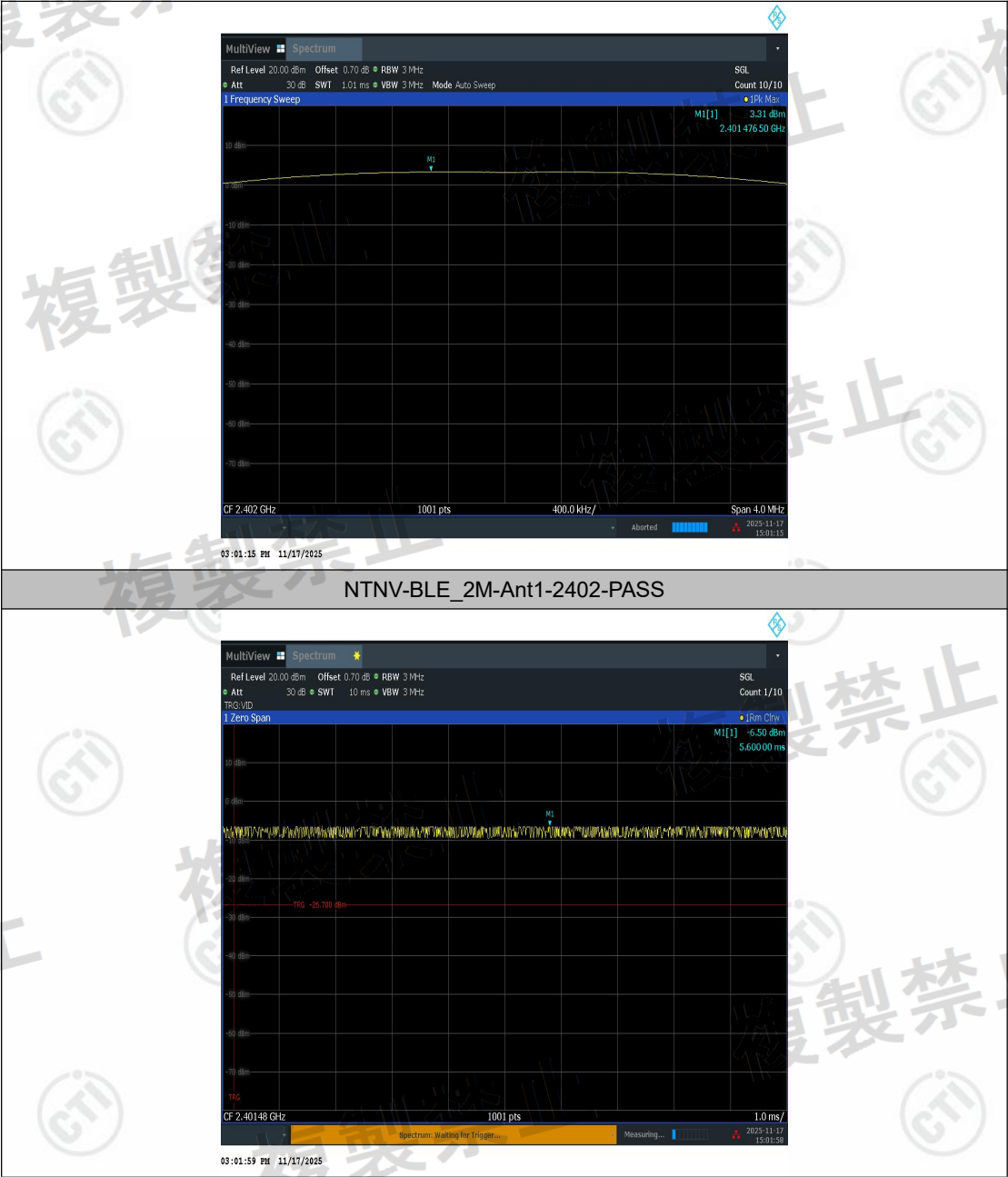




















NTHV-BLE_2M-Ant1-2440-PASS





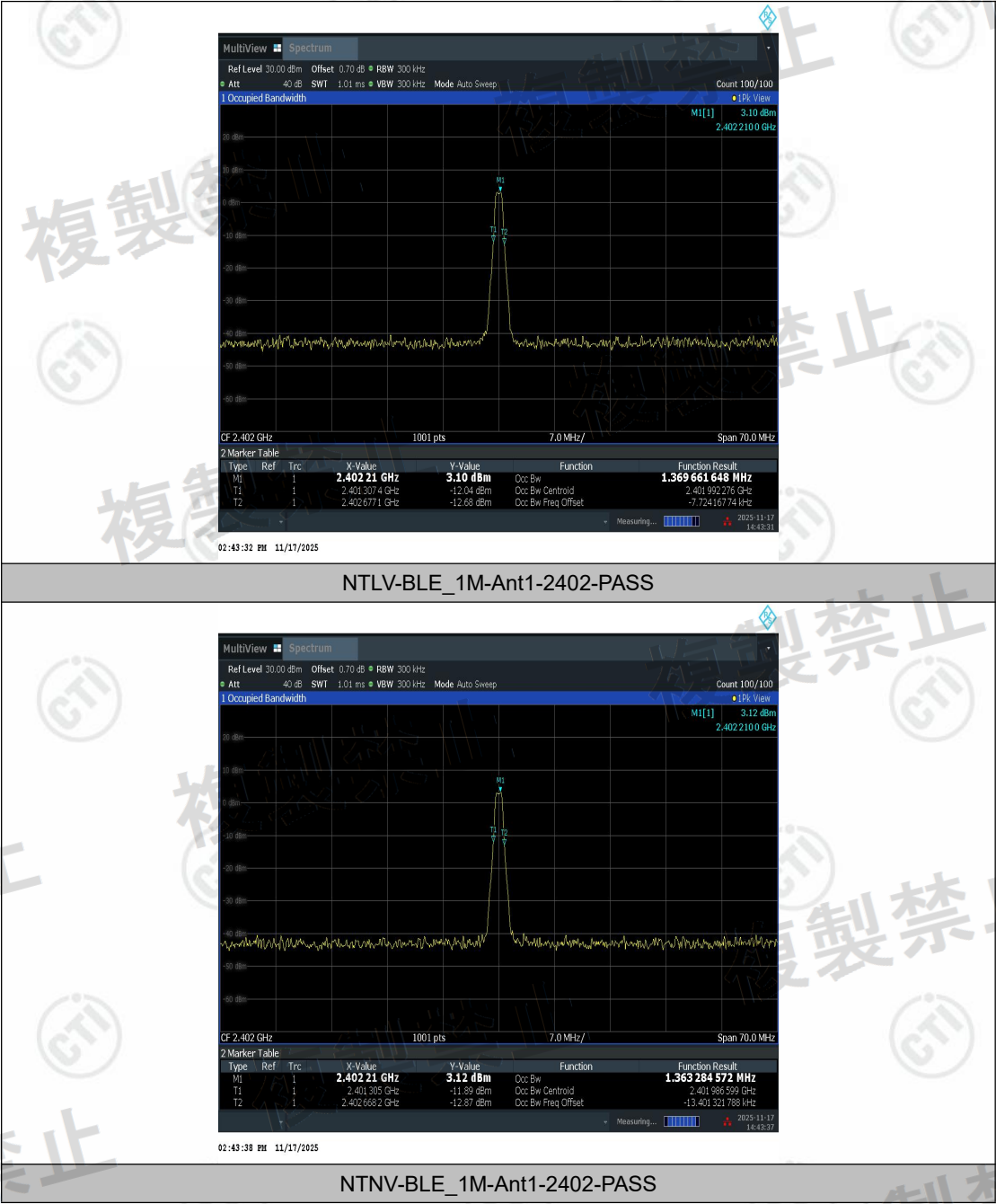


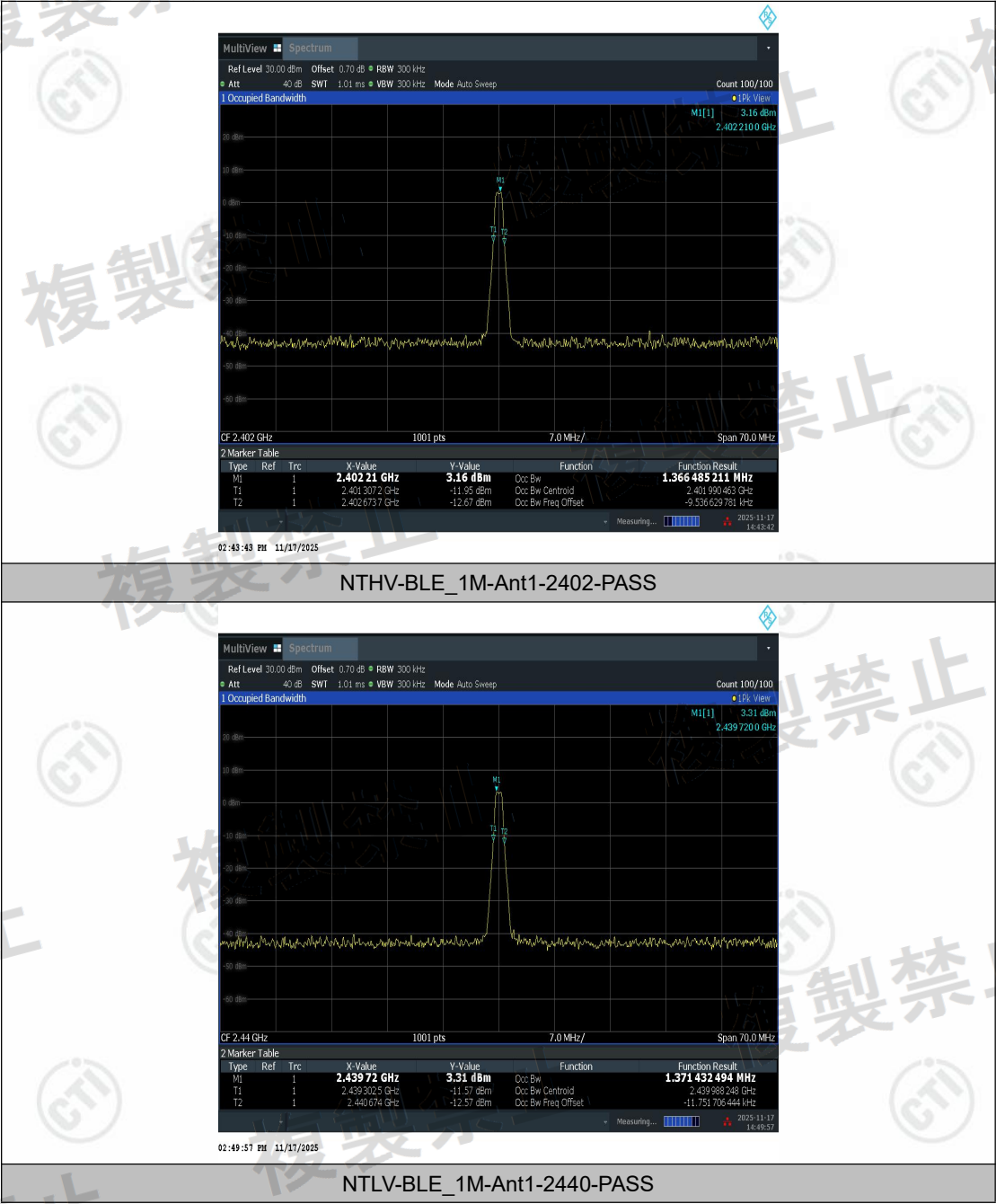
Appendix C: Occupied Bandwidth

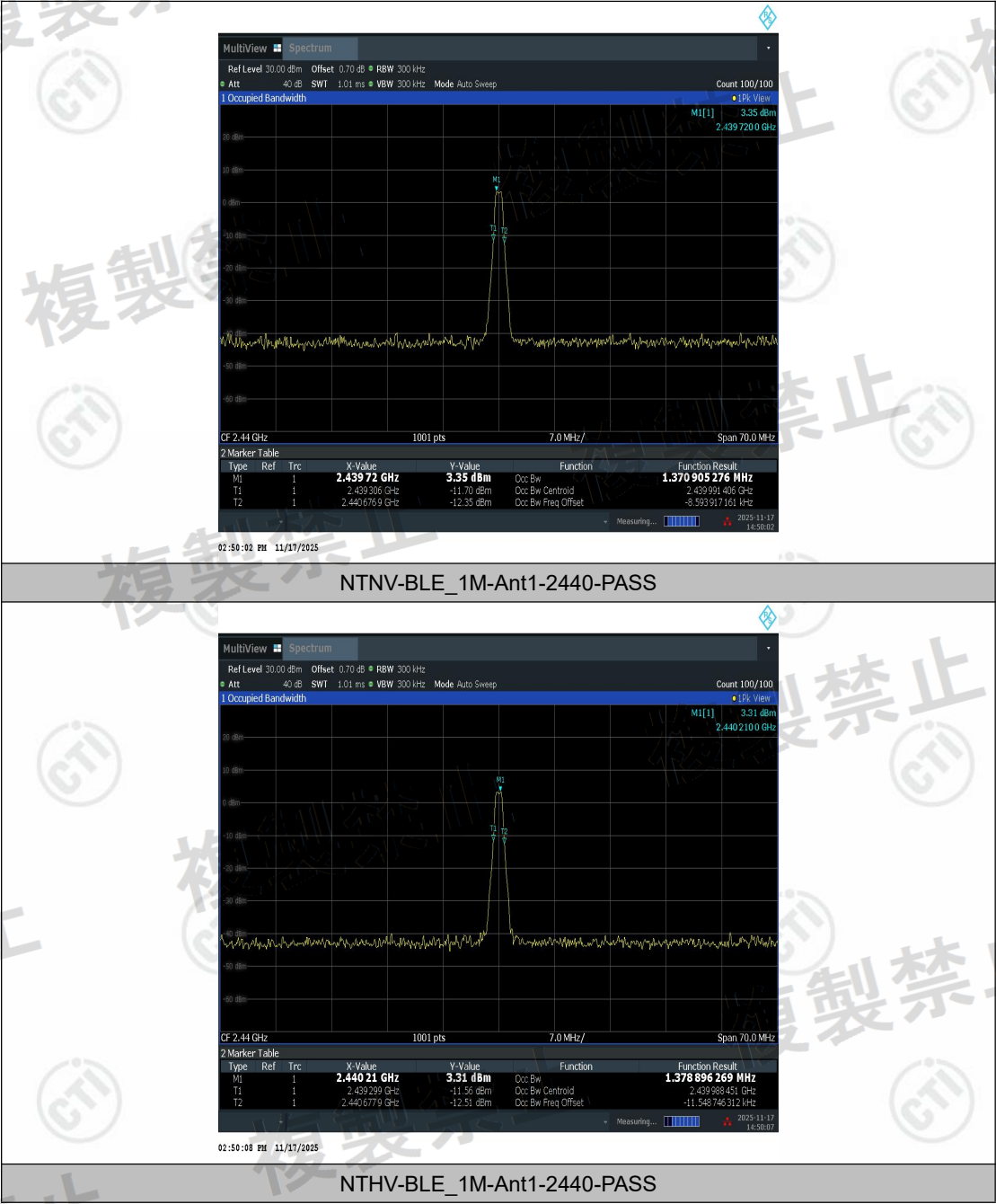
Test Result

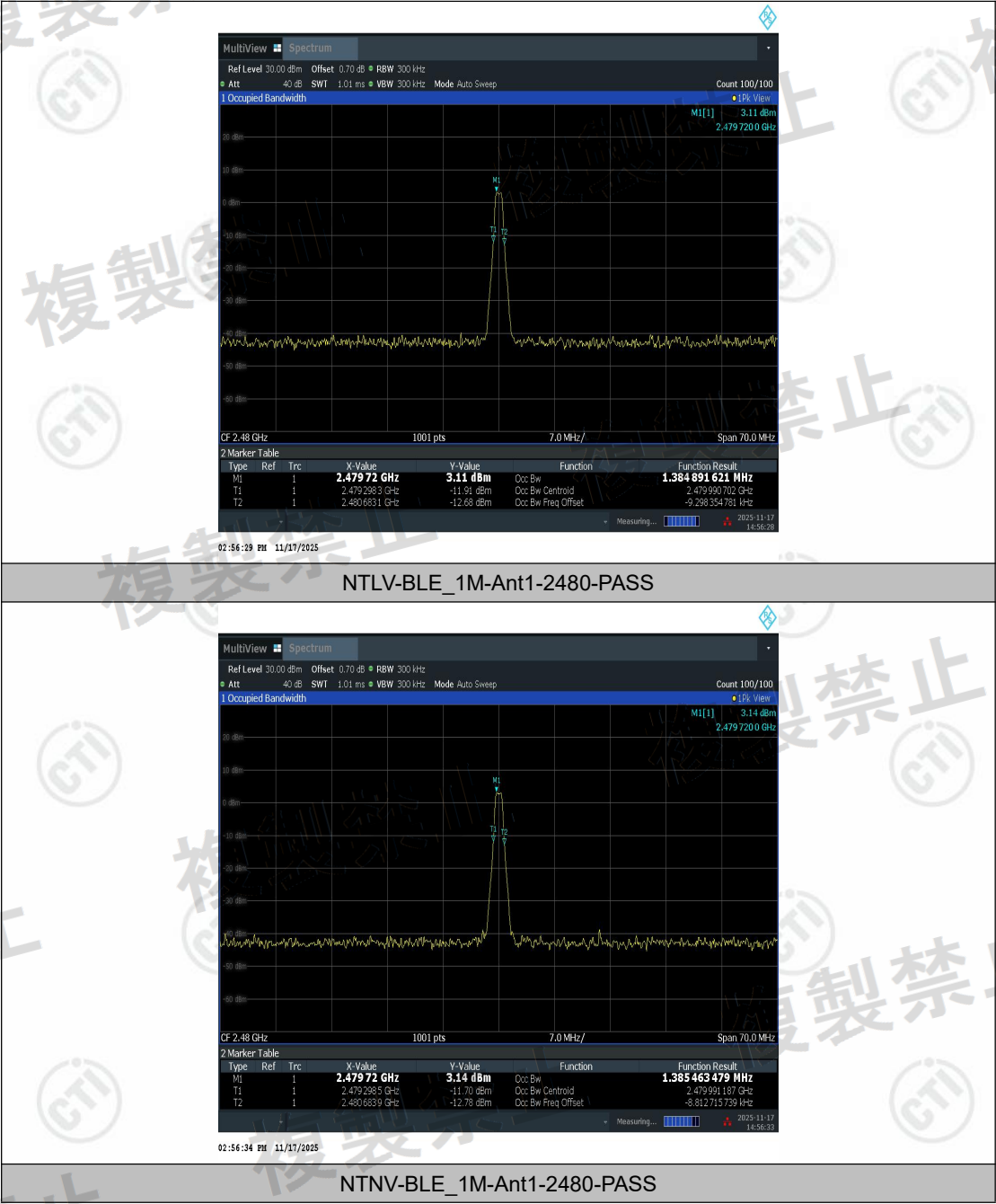
Test Condition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTLV	BLE_1M	Ant1	2402	1.370	≤26	PASS
NTNV	BLE_1M	Ant1	2402	1.363	≤26	PASS
NTHV	BLE_1M	Ant1	2402	1.367	≤26	PASS
NTLV	BLE_1M	Ant1	2440	1.371	≤26	PASS
NTNV	BLE_1M	Ant1	2440	1.371	≤26	PASS
NTHV	BLE_1M	Ant1	2440	1.379	≤26	PASS
NTLV	BLE_1M	Ant1	2480	1.385	≤26	PASS
NTNV	BLE_1M	Ant1	2480	1.386	≤26	PASS
NTHV	BLE_1M	Ant1	2480	1.391	≤26	PASS
NTLV	BLE_2M	Ant1	2402	2.246	≤26	PASS
NTNV	BLE_2M	Ant1	2402	2.250	≤26	PASS
NTHV	BLE_2M	Ant1	2402	2.238	≤26	PASS
NTLV	BLE_2M	Ant1	2440	2.242	≤26	PASS
NTNV	BLE_2M	Ant1	2440	2.242	≤26	PASS
NTHV	BLE_2M	Ant1	2440	2.249	≤26	PASS
NTLV	BLE_2M	Ant1	2480	2.258	≤26	PASS
NTNV	BLE_2M	Ant1	2480	2.253	≤26	PASS
NTHV	BLE_2M	Ant1	2480	2.252	≤26	PASS

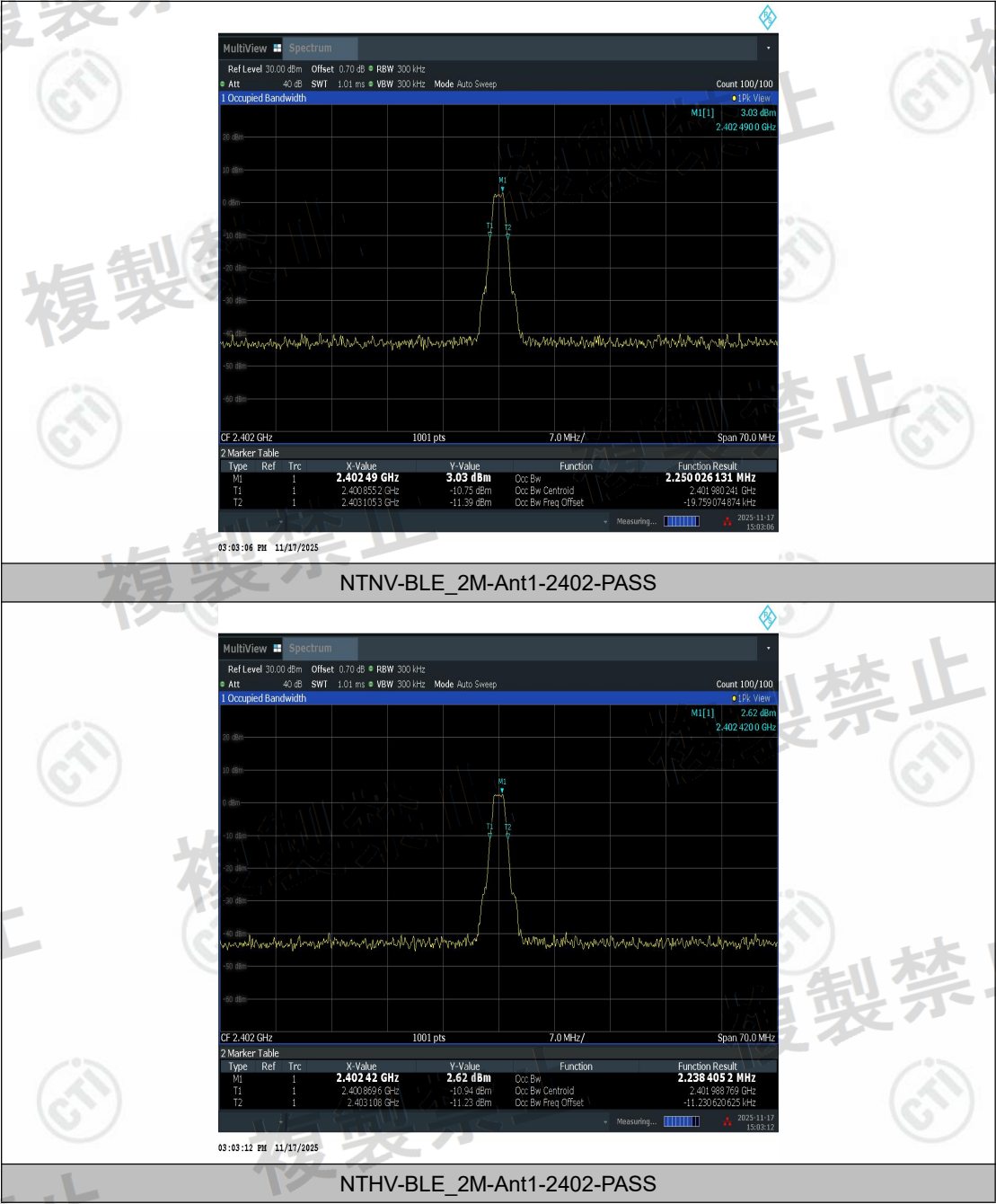
Test Graphs

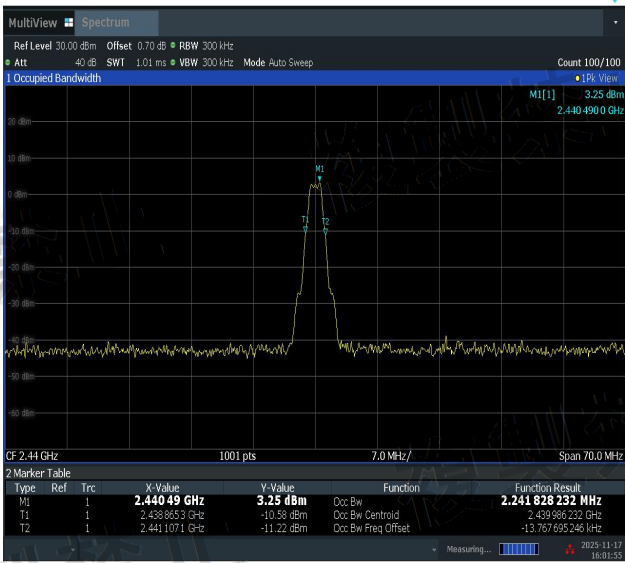




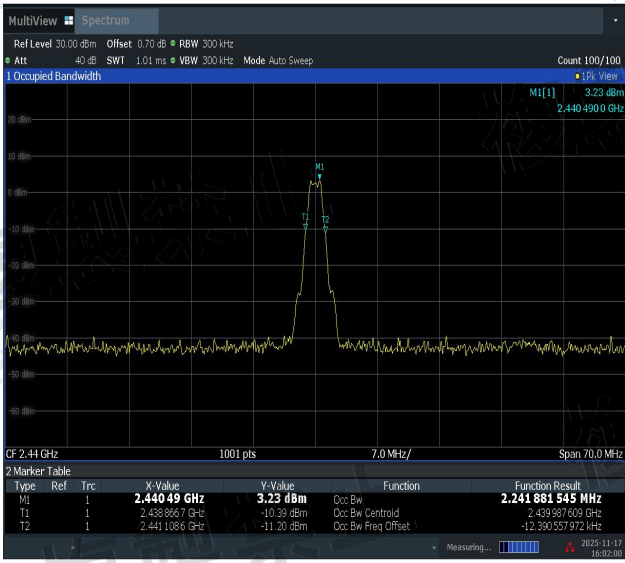




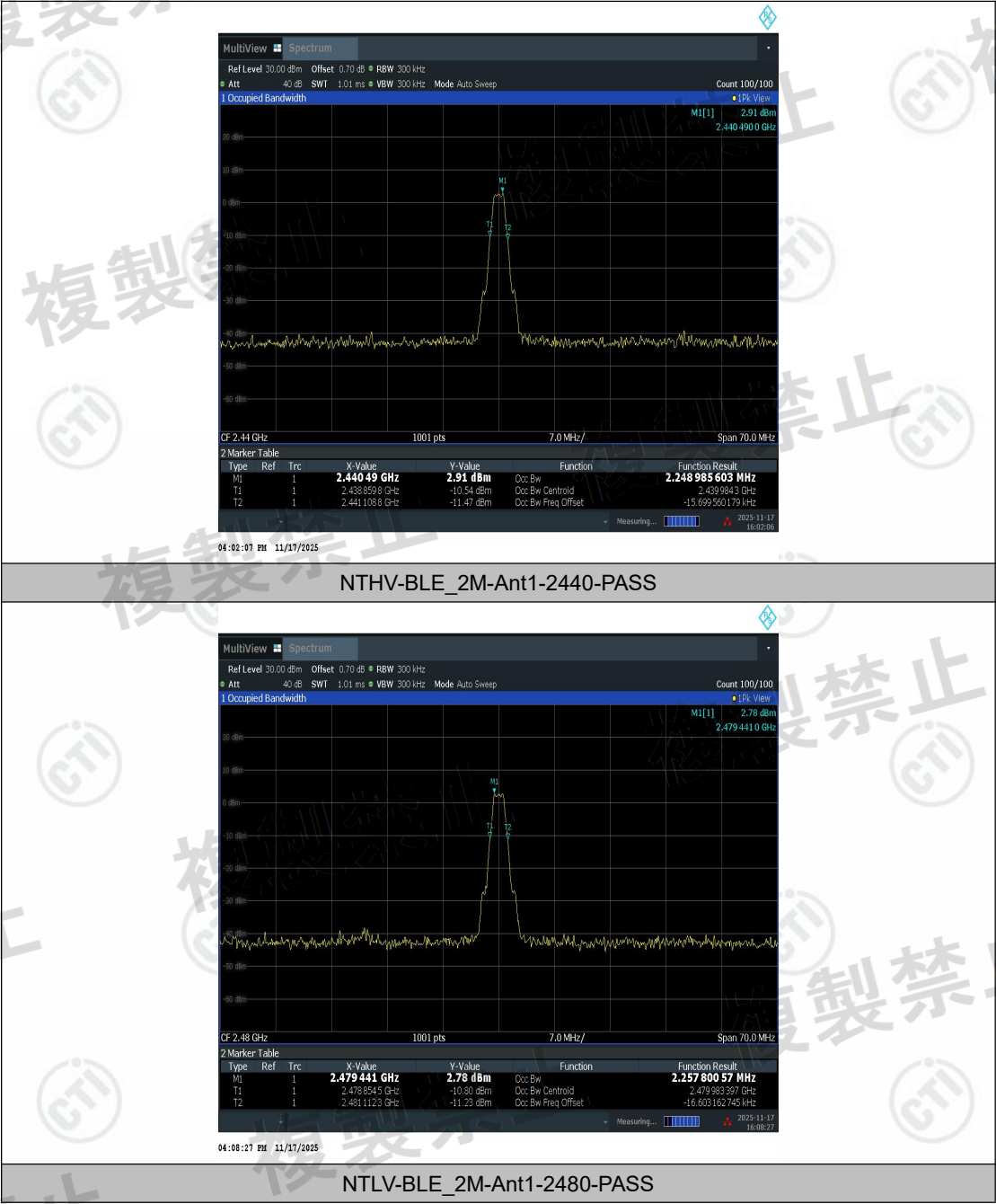


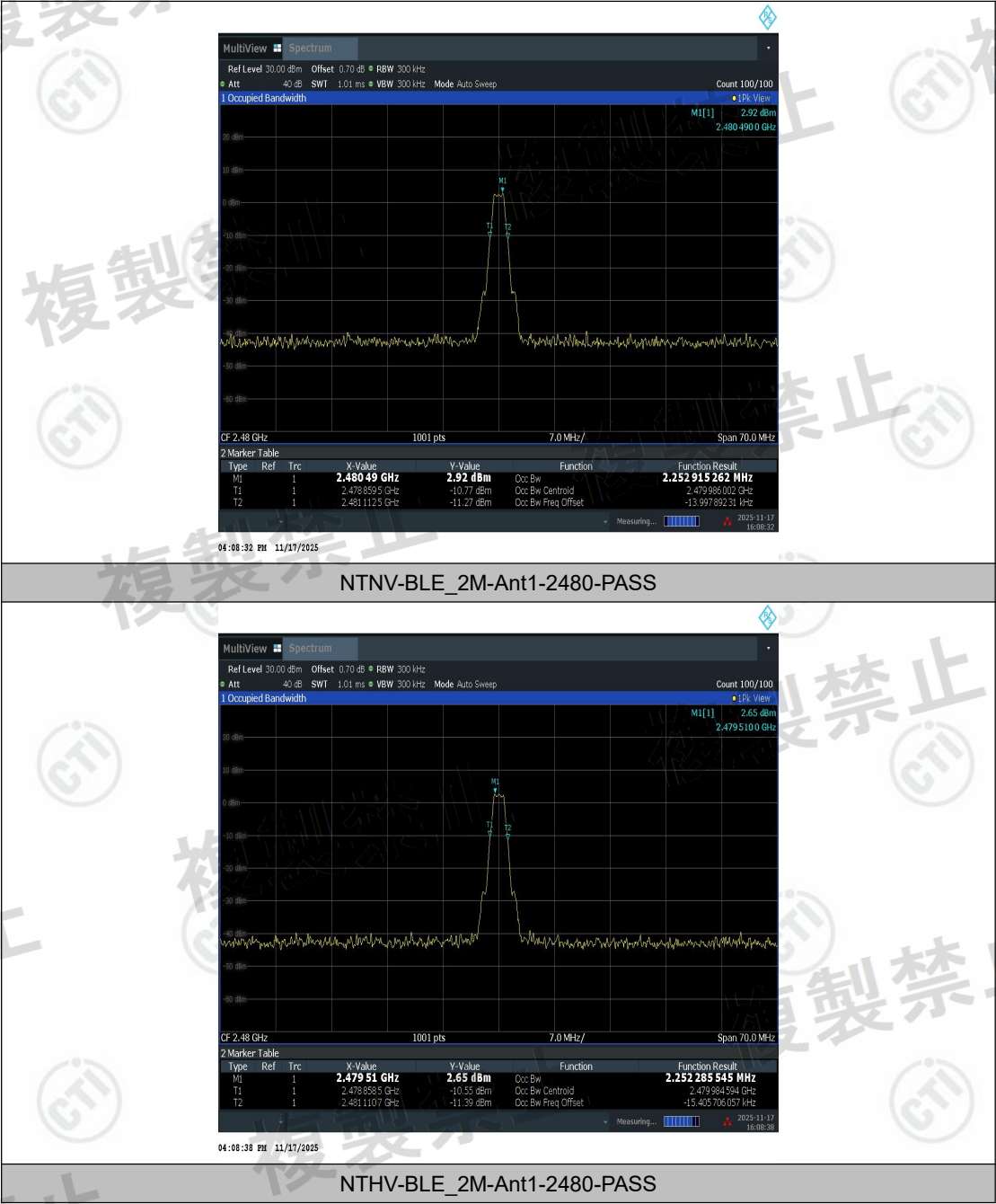


NTLV-BLE_2M-Ant1-2440-PASS



NTVN-BLE_2M-Ant1-2440-PASS



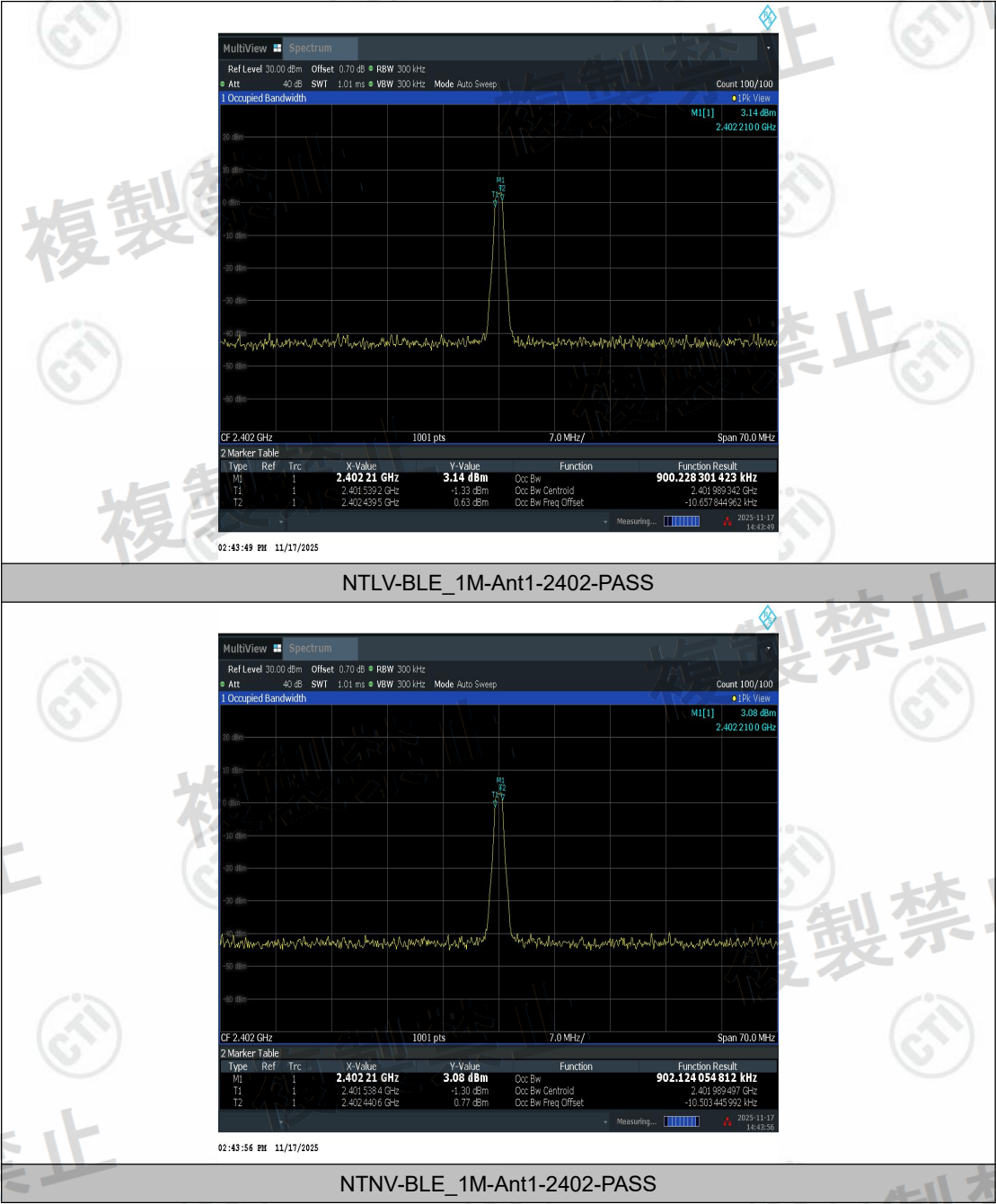


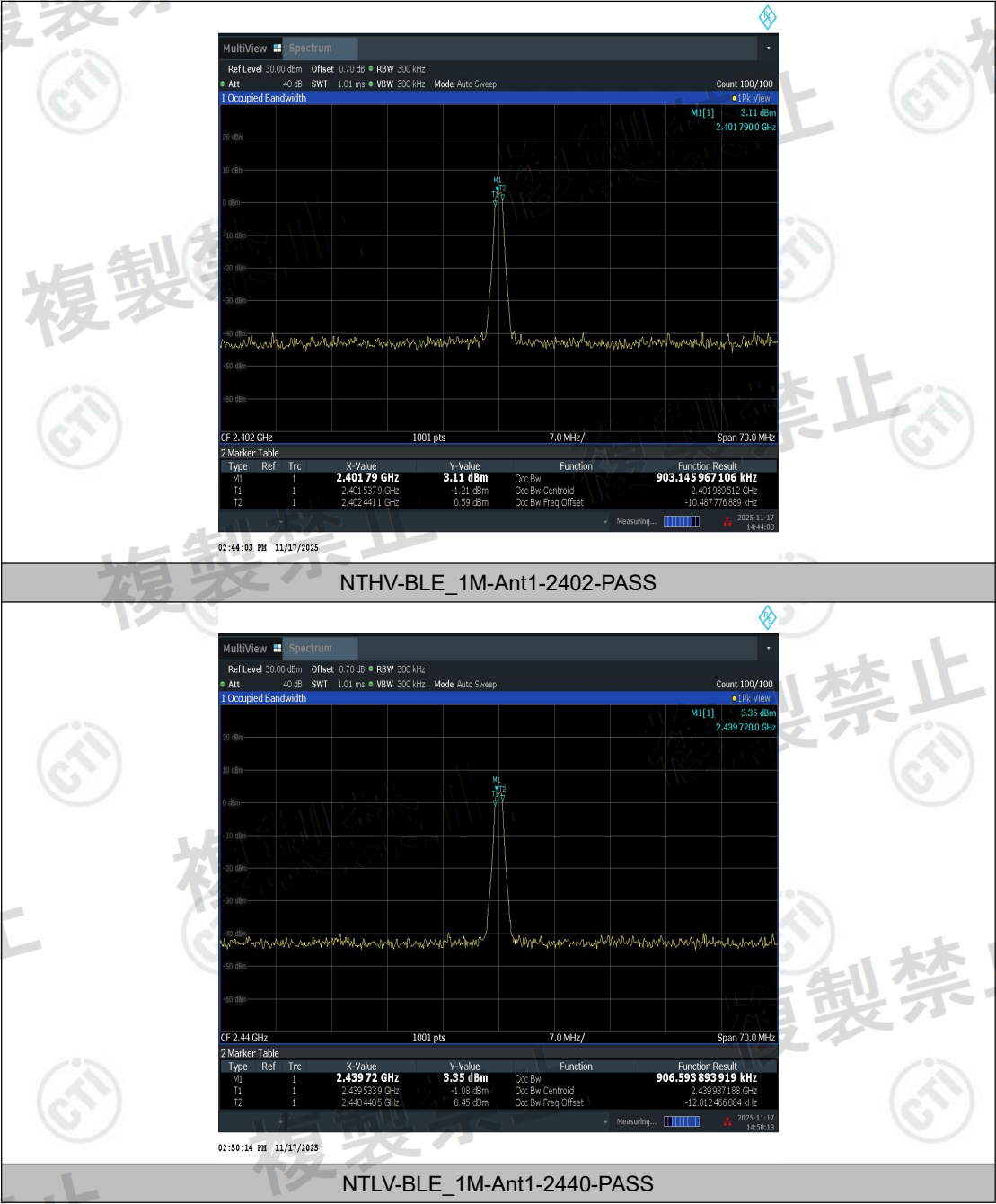
Appendix D: Spread Bandwidth

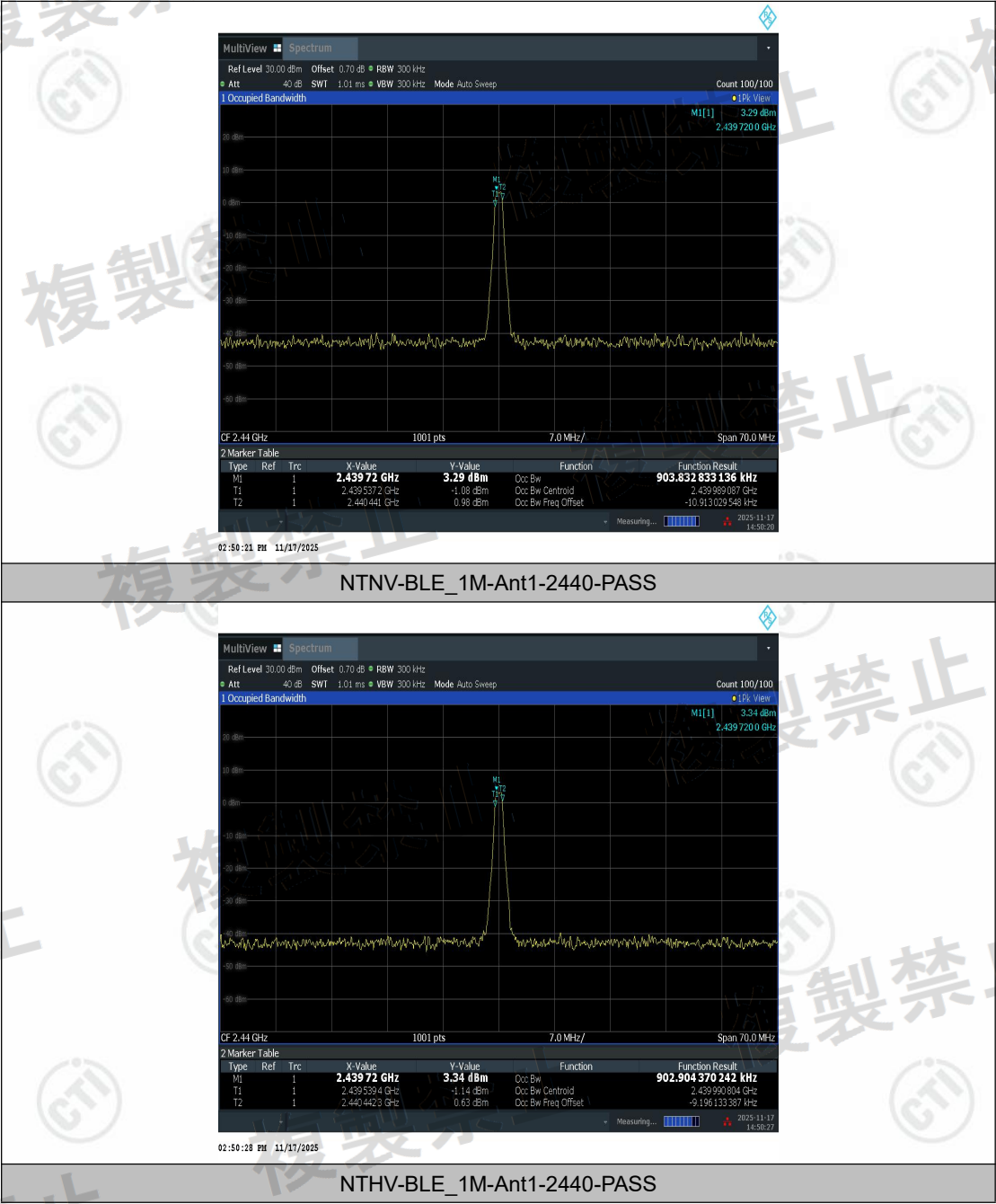
Test Result

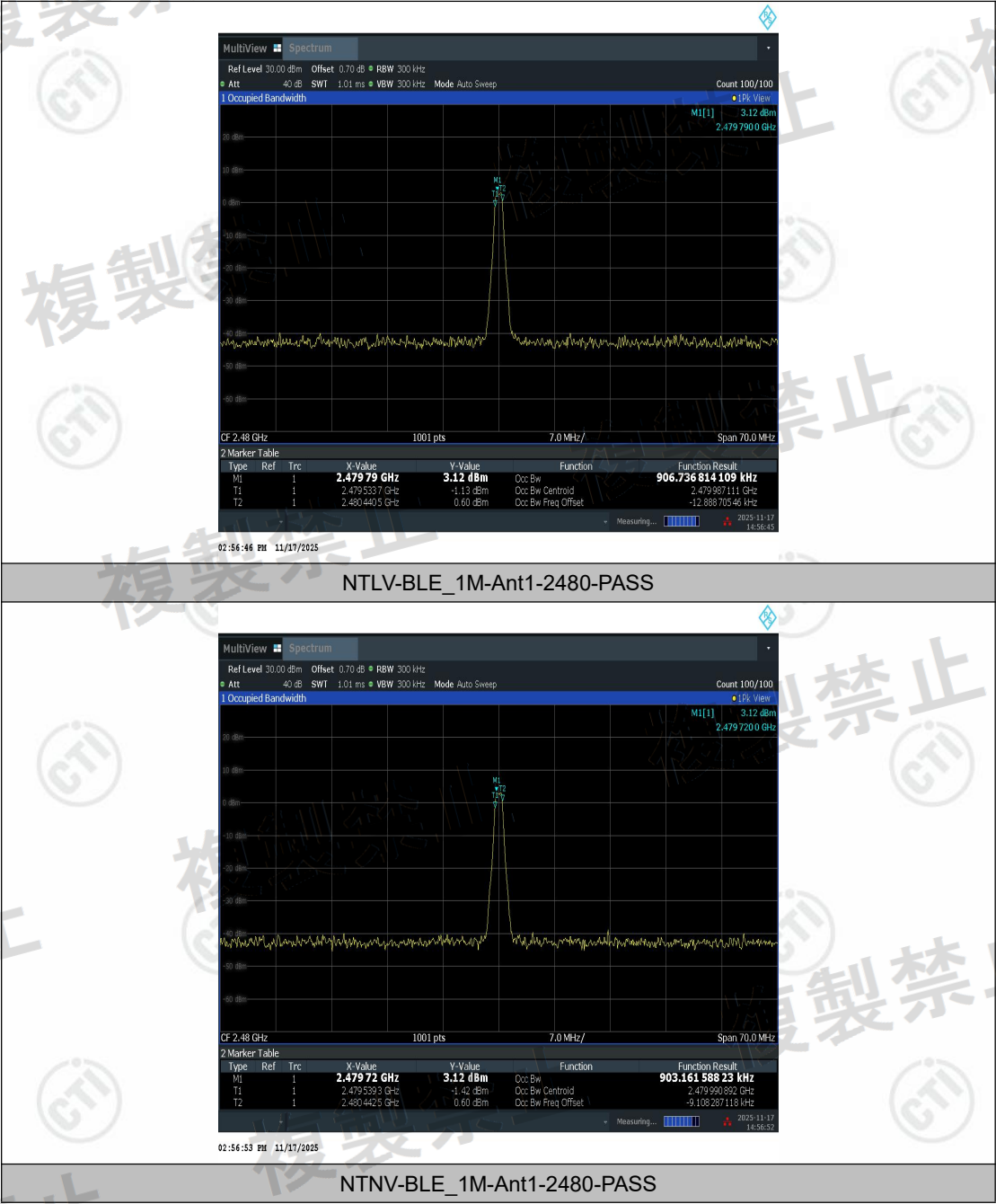
Test Condition	Test Mode	Antenna	Freq(MHz)	Result [MHz]
NTLV	BLE_1M	Ant1	2402	0.900
NTNV	BLE_1M	Ant1	2402	0.902
NTHV	BLE_1M	Ant1	2402	0.903
NTLV	BLE_1M	Ant1	2440	0.907
NTNV	BLE_1M	Ant1	2440	0.904
NTHV	BLE_1M	Ant1	2440	0.903
NTLV	BLE_1M	Ant1	2480	0.907
NTNV	BLE_1M	Ant1	2480	0.903
NTHV	BLE_1M	Ant1	2480	0.907
NTLV	BLE_2M	Ant1	2402	1.423
NTNV	BLE_2M	Ant1	2402	1.425
NTHV	BLE_2M	Ant1	2402	1.427
NTLV	BLE_2M	Ant1	2440	1.424
NTNV	BLE_2M	Ant1	2440	1.437
NTHV	BLE_2M	Ant1	2440	1.430
NTLV	BLE_2M	Ant1	2480	1.437
NTNV	BLE_2M	Ant1	2480	1.450
NTHV	BLE_2M	Ant1	2480	1.438

Test Graphs



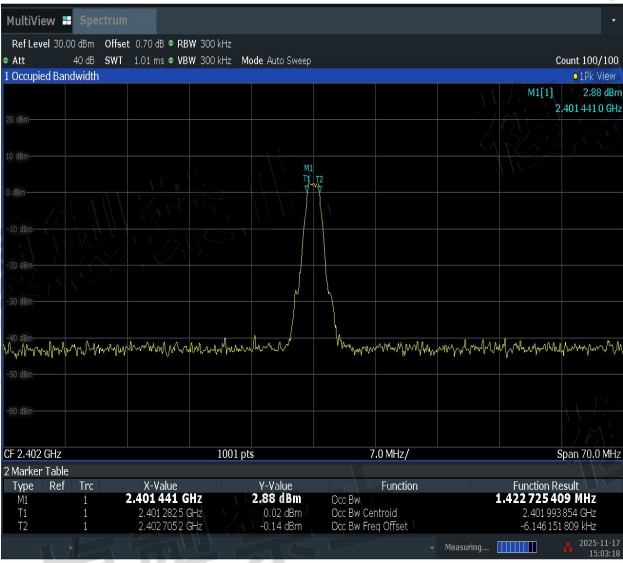




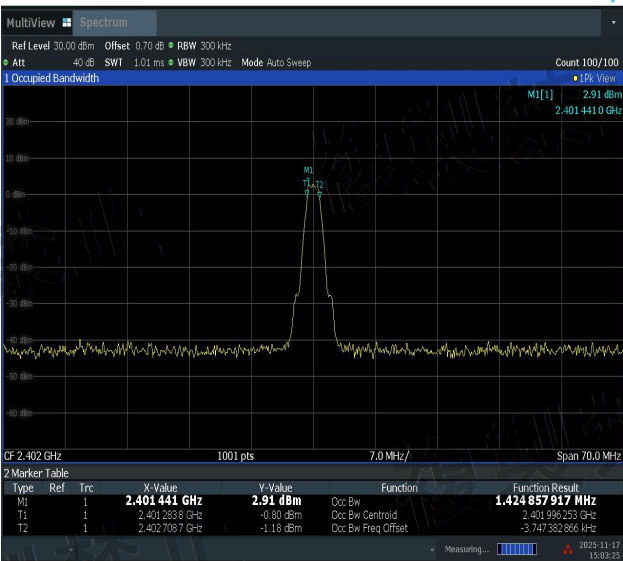




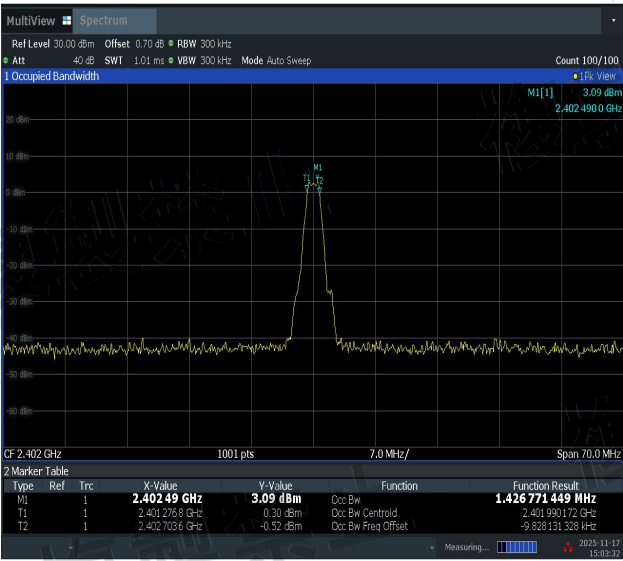
NTHV-BLE_1M-Ant1-2480-PASS



NTLV-BLE_2M-Ant1-2402-PASS



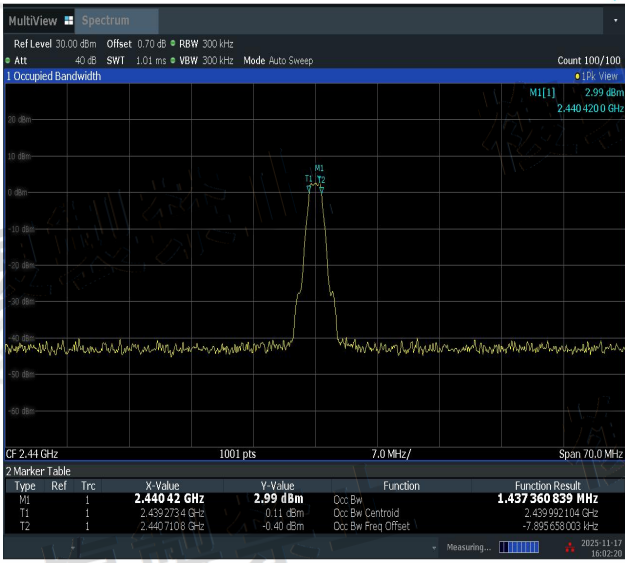
NTNV-BLE_2M-Ant1-2402-PASS



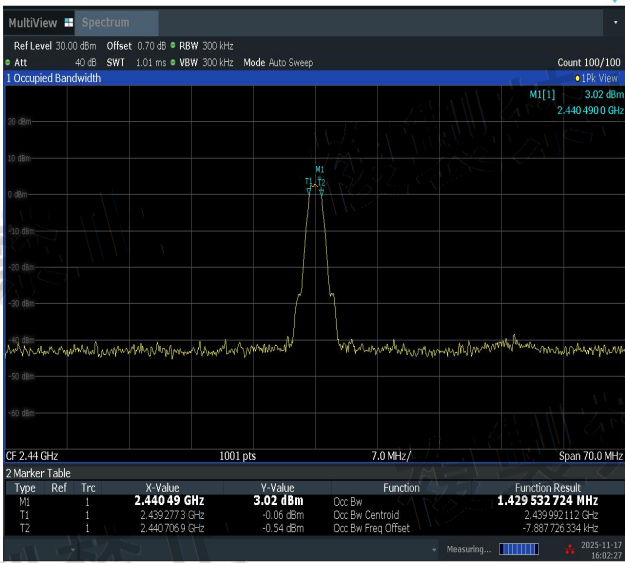
NTHV-BLE_2M-Ant1-2402-PASS



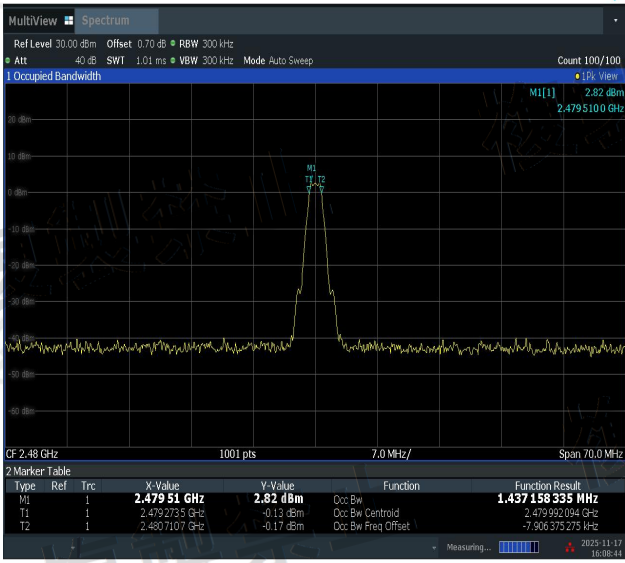
NTLV-BLE_2M-Ant1-2440-PASS



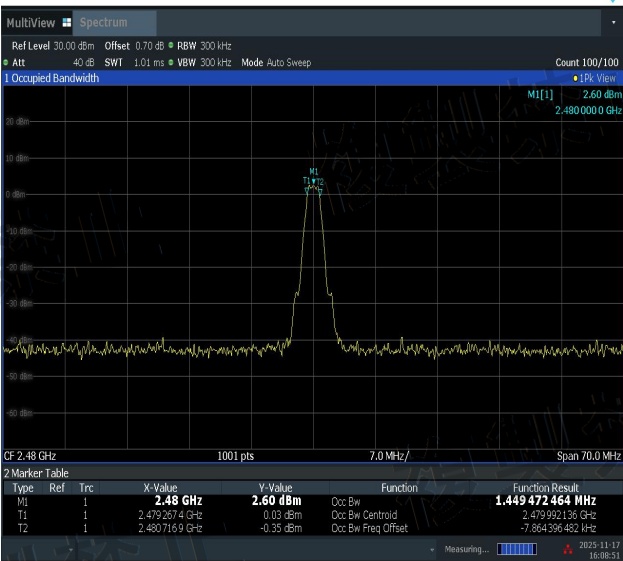
NTNV-BLE_2M-Ant1-2440-PASS



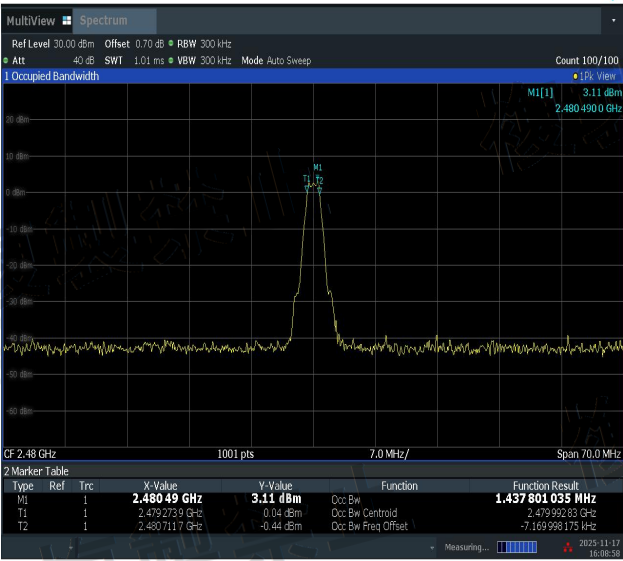
NTHV-BLE_2M-Ant1-2440-PASS



NTLV-BLE_2M-Ant1-2480-PASS



NTNV-BLE_2M-Ant1-2480-PASS



NTHV-BLE_2M-Ant1-2480-PASS

Appendix E: Unwanted Emission Strength

Test Result

Test Condition	Test Mode	Antenna	Freq(MHz)	Freq.Range [MHz]	ResultF req (MHz)	Result [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTLV	BLE_1M	Ant1	2402	30~1000	904.70	-53.66	0.00431	≤2.5	PASS
NTNV	BLE_1M	Ant1	2402	30~1000	913.43	-54.96	0.00319	≤2.5	PASS
NTHV	BLE_1M	Ant1	2402	30~1000	913.43	-53.88	0.00409	≤2.5	PASS
NTLV	BLE_1M	Ant1	2402	1000~2387	2273.61	-45.76	0.02655	≤2.5	PASS
NTNV	BLE_1M	Ant1	2402	1000~2387	2325.63	-44.92	0.03221	≤2.5	PASS
NTHV	BLE_1M	Ant1	2402	1000~2387	2273.96	-44.75	0.03350	≤2.5	PASS
NTLV	BLE_1M	Ant1	2402	2387~2400	2400.00	-27.85	1.64059	≤25	PASS
NTNV	BLE_1M	Ant1	2402	2387~2400	2399.99	-27.35	1.84077	≤25	PASS
NTHV	BLE_1M	Ant1	2402	2387~2400	2399.99	-27.58	1.74582	≤25	PASS
NTLV	BLE_1M	Ant1	2402	2483.5~2496.5	2493.85	-39.96	0.10093	≤25	PASS
NTNV	BLE_1M	Ant1	2402	2483.5~2496.5	2483.65	-39.85	0.10351	≤25	PASS
NTHV	BLE_1M	Ant1	2402	2483.5~2496.5	2484.35	-40.09	0.09795	≤25	PASS
NTLV	BLE_1M	Ant1	2402	2496.5~13000	2529.06	-48.15	0.01531	≤2.5	PASS
NTNV	BLE_1M	Ant1	2402	2496.5~13000	2529.59	-47.97	0.01596	≤2.5	PASS
NTHV	BLE_1M	Ant1	2402	2496.5~13000	2530.11	-47.54	0.01762	≤2.5	PASS
NTLV	BLE_1M	Ant1	2440	30~1000	913.67	-50.62	0.00867	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	30~1000	554.04	-63.52	0.00044	≤2.5	PASS
NTHV	BLE_1M	Ant1	2440	30~1000	620.97	-63.32	0.00047	≤2.5	PASS
NTLV	BLE_1M	Ant1	2440	1000~2387	2312.45	-45.99	0.02518	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	1000~2387	2312.10	-45.49	0.02825	≤2.5	PASS
NTHV	BLE_1M	Ant1	2440	1000~2387	2312.10	-45.27	0.02972	≤2.5	PASS
NTLV	BLE_1M	Ant1	2440	2387~2400	2389.42	-40.77	0.08375	≤25	PASS
NTNV	BLE_1M	Ant1	2440	2387~2400	2392.40	-40.31	0.09311	≤25	PASS
NTHV	BLE_1M	Ant1	2440	2387~2400	2396.87	-40.60	0.08710	≤25	PASS
NTLV	BLE_1M	Ant1	2440	2483.5~2496.5	2494.19	-40.02	0.09954	≤25	PASS
NTNV	BLE_1M	Ant1	2440	2483.5~2496.5	2485.51	-39.98	0.10046	≤25	PASS
NTHV	BLE_1M	Ant1	2440	2483.5~2496.5	2494.79	-40.47	0.08974	≤25	PASS
NTLV	BLE_1M	Ant1	2440	2496.5~13000	2567.40	-47.72	0.01690	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	2496.5~13000	2567.40	-48.19	0.01517	≤2.5	PASS
NTHV	BLE_1M	Ant1	2440	2496.5~13000	2568.45	-48.88	0.01294	≤2.5	PASS
NTLV	BLE_1M	Ant1	2480	30~1000	713.37	-60.29	0.00094	≤2.5	PASS
NTNV	BLE_1M	Ant1	2480	30~1000	567.14	-63.16	0.00048	≤2.5	PASS
NTHV	BLE_1M	Ant1	2480	30~1000	833.16	-46.71	0.02133	≤2.5	PASS
NTLV	BLE_1M	Ant1	2480	1000~2387	1765.97	-36.68	0.21478	≤2.5	PASS

NTNV	BLE_1M	Ant1	2480	1000~2387	1765.97	-36.99	0.19999	≤2.5	PASS
NTHV	BLE_1M	Ant1	2480	1000~2387	1776.37	-36.12	0.24434	≤2.5	PASS
NTLV	BLE_1M	Ant1	2480	2387~2400	2397.81	-39.89	0.10257	≤25	PASS
NTNV	BLE_1M	Ant1	2480	2387~2400	2398.26	-40.11	0.09750	≤25	PASS
NTHV	BLE_1M	Ant1	2480	2387~2400	2399.96	-39.98	0.10046	≤25	PASS
NTLV	BLE_1M	Ant1	2480	2483.5~2496.5	2485.64	-40.22	0.09506	≤25	PASS
NTNV	BLE_1M	Ant1	2480	2483.5~2496.5	2486.18	-40.24	0.09462	≤25	PASS
NTHV	BLE_1M	Ant1	2480	2483.5~2496.5	2483.73	-40.12	0.09727	≤25	PASS
NTLV	BLE_1M	Ant1	2480	2496.5~13000	2607.84	-47.06	0.01968	≤2.5	PASS
NTNV	BLE_1M	Ant1	2480	2496.5~13000	2607.84	-47.56	0.01754	≤2.5	PASS
NTHV	BLE_1M	Ant1	2480	2496.5~13000	2607.84	-47.84	0.01644	≤2.5	PASS
NTLV	BLE_2M	Ant1	2402	30~1000	904.70	-58.32	0.00147	≤2.5	PASS
NTNV	BLE_2M	Ant1	2402	30~1000	907.61	-54.57	0.00349	≤2.5	PASS
NTHV	BLE_2M	Ant1	2402	30~1000	562.53	-62.69	0.00054	≤2.5	PASS
NTLV	BLE_2M	Ant1	2402	1000~2387	2274.65	-44.87	0.03258	≤2.5	PASS
NTNV	BLE_2M	Ant1	2402	1000~2387	2331.87	-44.39	0.03639	≤2.5	PASS
NTHV	BLE_2M	Ant1	2402	1000~2387	2273.61	-45.55	0.02786	≤2.5	PASS
NTLV	BLE_2M	Ant1	2402	2387~2400	2400	-16.88	20.51162	≤25	See table below
NTNV	BLE_2M	Ant1	2402	2387~2400	2400	-17.20	19.05461	≤25	See table below
NTHV	BLE_2M	Ant1	2402	2387~2400	2399.99	-16.84	20.70141	≤25	See table below
NTLV	BLE_2M	Ant1	2402	2483.5~2496.5	2484.41	-40.23	0.09484	≤25	PASS
NTNV	BLE_2M	Ant1	2402	2483.5~2496.5	2484.64	-39.58	0.11015	≤25	PASS
NTHV	BLE_2M	Ant1	2402	2483.5~2496.5	2496.25	-39.48	0.11272	≤25	PASS
NTLV	BLE_2M	Ant1	2402	2496.5~13000	2529.59	-47.92	0.01614	≤2.5	PASS
NTNV	BLE_2M	Ant1	2402	2496.5~13000	2529.59	-47.92	0.01614	≤2.5	PASS
NTHV	BLE_2M	Ant1	2402	2496.5~13000	2529.06	-47.76	0.01675	≤2.5	PASS
NTLV	BLE_2M	Ant1	2440	30~1000	630.92	-63.28	0.00047	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	30~1000	566.65	-63.42	0.00045	≤2.5	PASS
NTHV	BLE_2M	Ant1	2440	30~1000	608.85	-63.85	0.00041	≤2.5	PASS
NTLV	BLE_2M	Ant1	2440	1000~2387	2312.80	-45.88	0.02582	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	1000~2387	2312.10	-45.87	0.02588	≤2.5	PASS
NTHV	BLE_2M	Ant1	2440	1000~2387	2322.16	-42.85	0.05188	≤2.5	PASS
NTLV	BLE_2M	Ant1	2440	2387~2400	2394.93	-40.52	0.08872	≤25	PASS
NTNV	BLE_2M	Ant1	2440	2387~2400	2393.61	-40.53	0.08851	≤25	PASS
NTHV	BLE_2M	Ant1	2440	2387~2400	2395.72	-40.41	0.09099	≤25	PASS

NTLV	BLE_2M	Ant1	2440	2483.5~2496.5	2490.49	-40.32	0.09290	≤25	PASS
NTNV	BLE_2M	Ant1	2440	2483.5~2496.5	2494.08	-39.91	0.10209	≤25	PASS
NTHV	BLE_2M	Ant1	2440	2483.5~2496.5	2488.70	-40.60	0.08710	≤25	PASS
NTLV	BLE_2M	Ant1	2440	2496.5~13000	2568.45	-48.31	0.01476	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	2496.5~13000	2567.92	-47.64	0.01722	≤2.5	PASS
NTHV	BLE_2M	Ant1	2440	2496.5~13000	2568.45	-48.22	0.01507	≤2.5	PASS
NTLV	BLE_2M	Ant1	2480	30~1000	545.80	-63.11	0.00049	≤2.5	PASS
NTNV	BLE_2M	Ant1	2480	30~1000	540.95	-63.61	0.00044	≤2.5	PASS
NTHV	BLE_2M	Ant1	2480	30~1000	829.28	-58.38	0.00145	≤2.5	PASS
NTLV	BLE_2M	Ant1	2480	1000~2387	2352.33	-44.70	0.03388	≤2.5	PASS
NTNV	BLE_2M	Ant1	2480	1000~2387	2351.63	-45.32	0.02938	≤2.5	PASS
NTHV	BLE_2M	Ant1	2480	1000~2387	2332.91	-44.60	0.03467	≤2.5	PASS
NTLV	BLE_2M	Ant1	2480	2387~2400	2390.53	-40.02	0.09954	≤25	PASS
NTNV	BLE_2M	Ant1	2480	2387~2400	2388.11	-39.79	0.10495	≤25	PASS
NTHV	BLE_2M	Ant1	2480	2387~2400	2387.44	-40.13	0.09705	≤25	PASS
NTLV	BLE_2M	Ant1	2480	2483.5~2496.5	2483.58	-33.53	0.44361	≤25	PASS
NTNV	BLE_2M	Ant1	2480	2483.5~2496.5	2483.65	-33.04	0.49659	≤25	PASS
NTHV	BLE_2M	Ant1	2480	2483.5~2496.5	2483.52	-33.07	0.49317	≤25	PASS
NTLV	BLE_2M	Ant1	2480	2496.5~13000	2607.84	-47.70	0.01698	≤2.5	PASS
NTNV	BLE_2M	Ant1	2480	2496.5~13000	2607.31	-47.63	0.01726	≤2.5	PASS
NTHV	BLE_2M	Ant1	2480	2496.5~13000	2608.36	-47.20	0.01905	≤2.5	PASS

Test Result_Step2

Test Condition	Test Mode	Antenna	Freq (MHz)	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTLV	BLE_2M	Ant1	2402	2400.00	-23.17	≤-16	4.81948	≤25	PASS
NTNV	BLE_2M	Ant1	2402	2400.00	-23.40	≤-16	4.57088	≤25	PASS
NTHV	BLE_2M	Ant1	2402	2399.99	-23.18	≤-16	4.80839	≤25	PASS

Test Graphs

