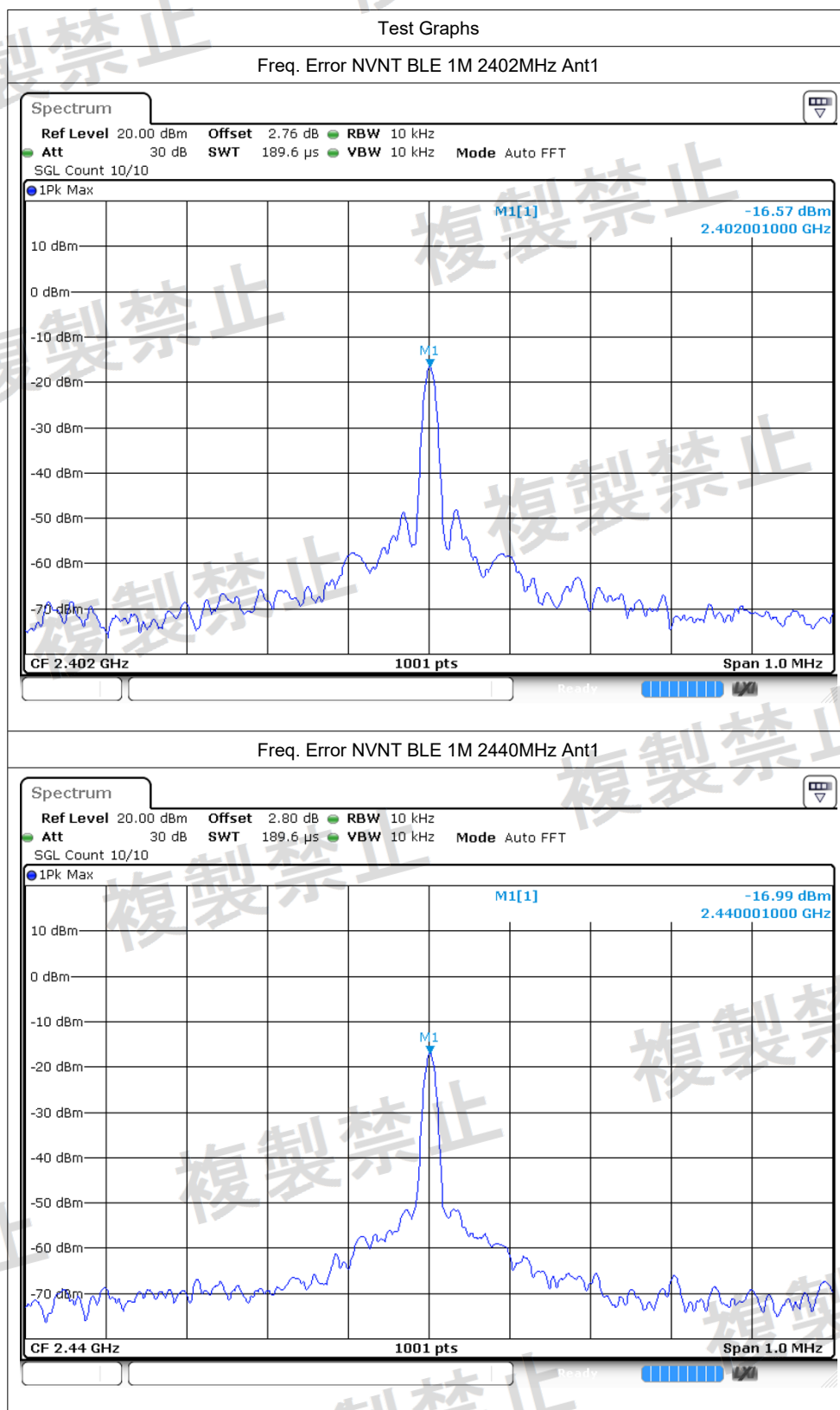
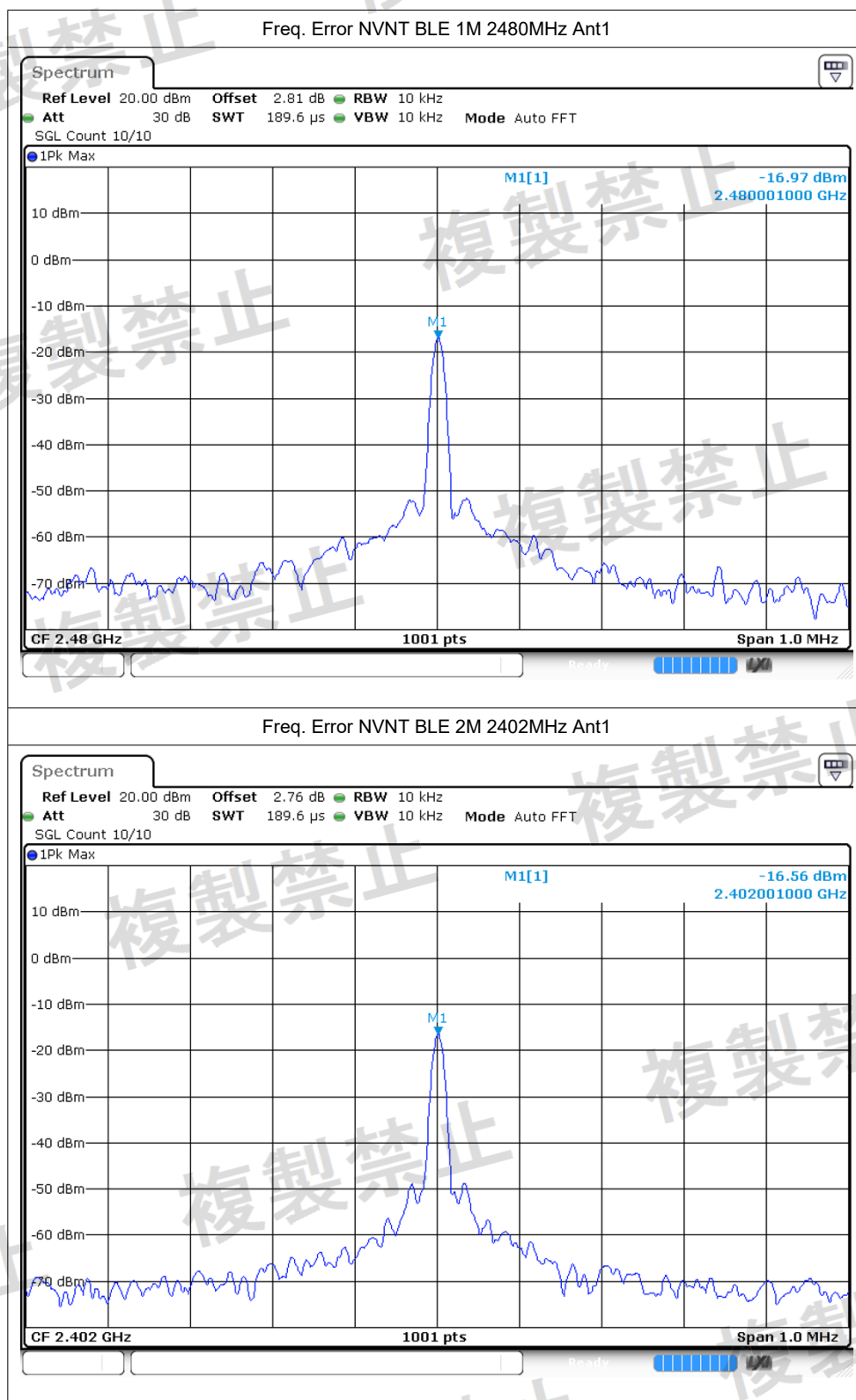


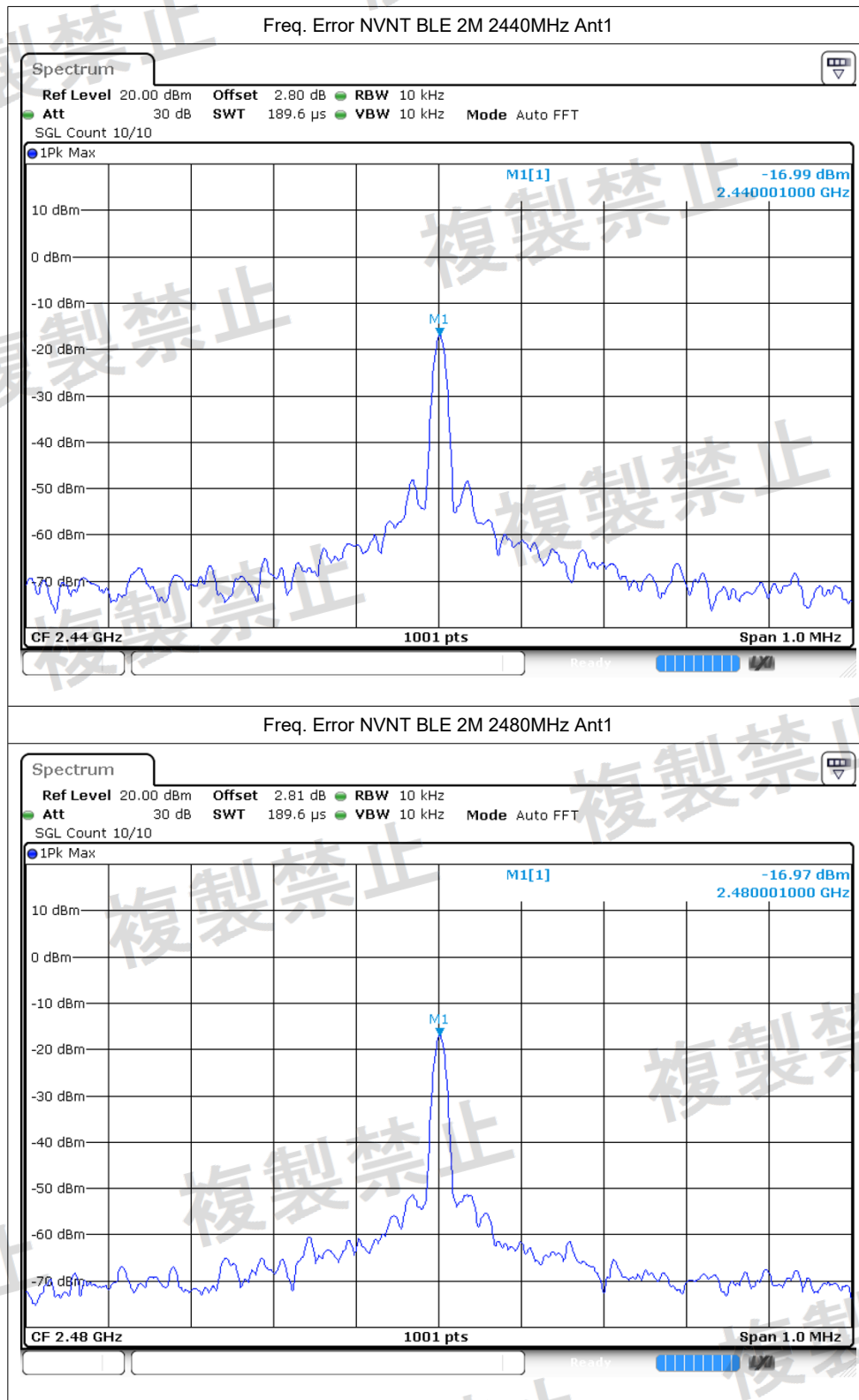
Appendix A

Frequency Error

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	BLE 1M	2402	Ant1	2402.001	1000	0.42	50	Pass
NVNT	BLE 1M	2440	Ant1	2440.001	1000	0.41	50	Pass
NVNT	BLE 1M	2480	Ant1	2480.001	1000	0.4	50	Pass
NVNT	BLE 2M	2402	Ant1	2402.001	1000	0.42	50	Pass
NVNT	BLE 2M	2440	Ant1	2440.001	1000	0.41	50	Pass
NVNT	BLE 2M	2480	Ant1	2480.001	1000	0.4	50	Pass





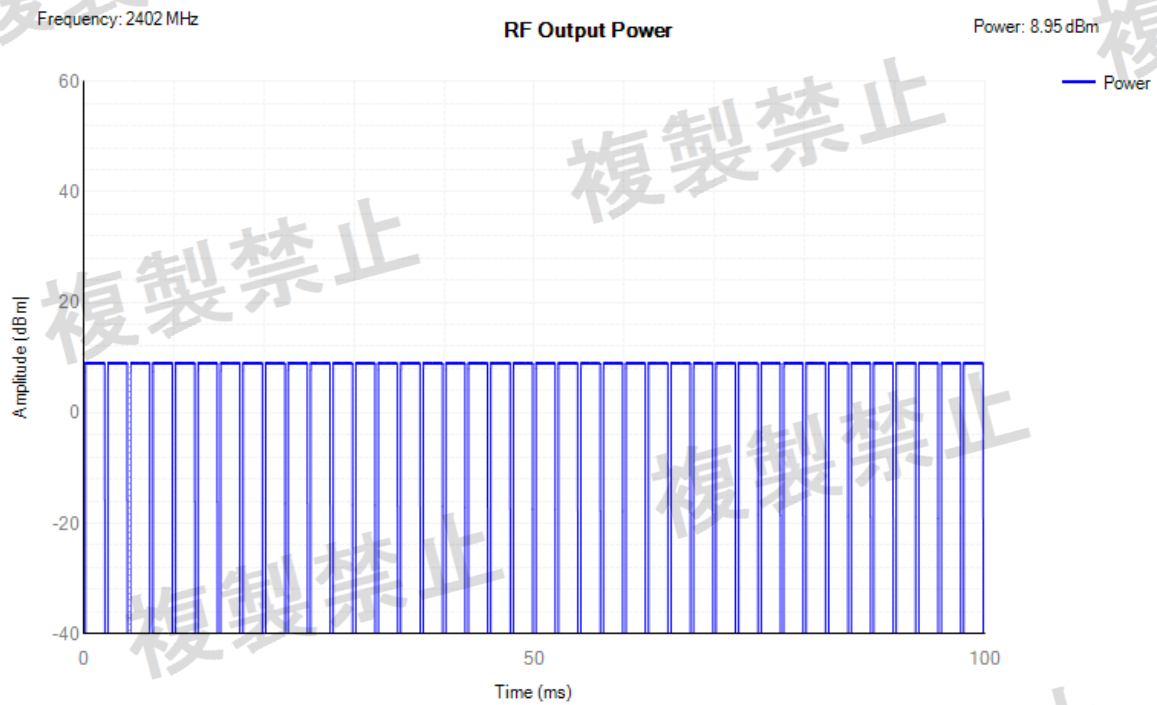


Antenna Power

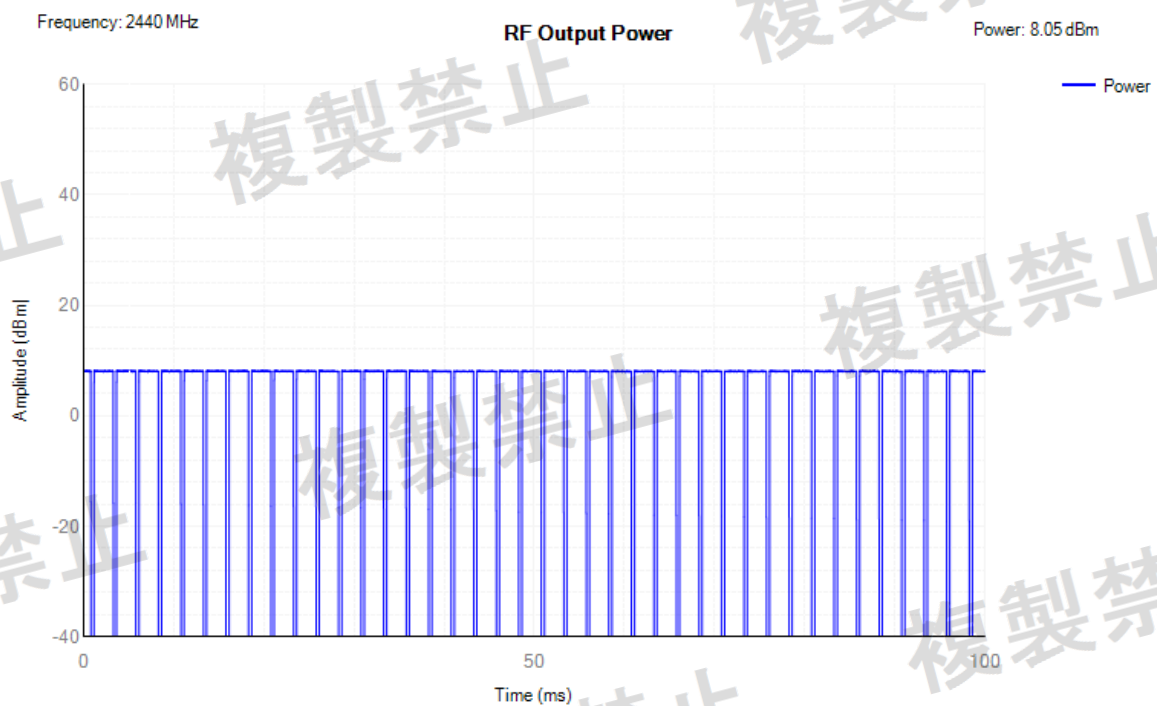
Condition	Mode	Frequency (MHz)	Antenna	Power (dBm)	Power (mW)	Limit (mW)	Declared Power (mW)	Tolerance (%)	Upper Limit (%)	Verdict
NVNT	BLE 1M	2402	Ant1	8.95	7.852	10	8	-1.85	20	Pass
NVNT	BLE 1M	2440	Ant1	8.05	6.383	10	8	-20.21	20	Pass
NVNT	BLE 1M	2480	Ant1	7.7	5.888	10	8	-26.4	20	Pass
NVNT	BLE 2M	2402	Ant1	8.49	7.063	10	6	17.72	20	Pass
NVNT	BLE 2M	2440	Ant1	7.56	5.702	10	6	-4.97	20	Pass
NVNT	BLE 2M	2480	Ant1	7.29	5.358	10	6	-10.7	20	Pass

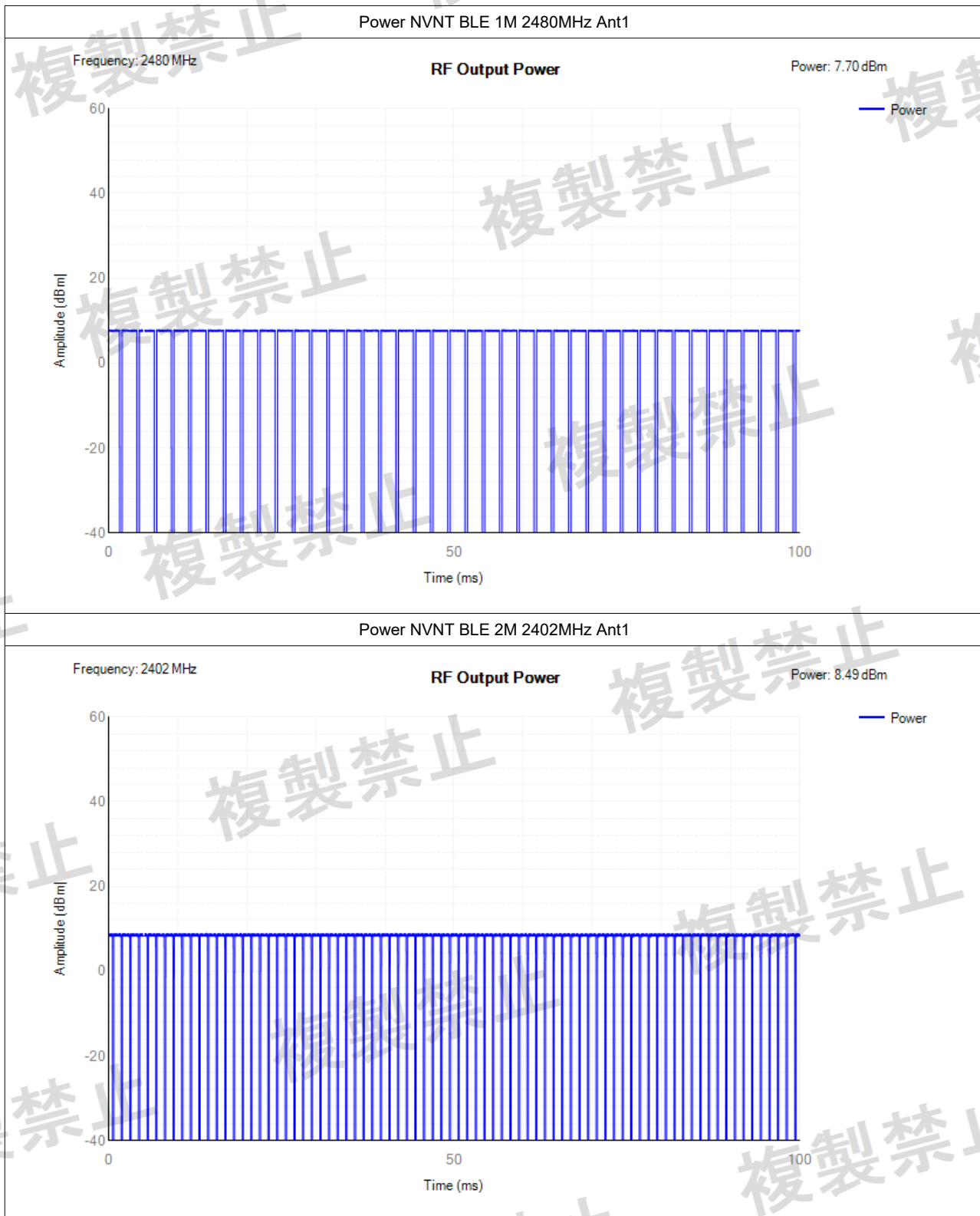
Test Graphs

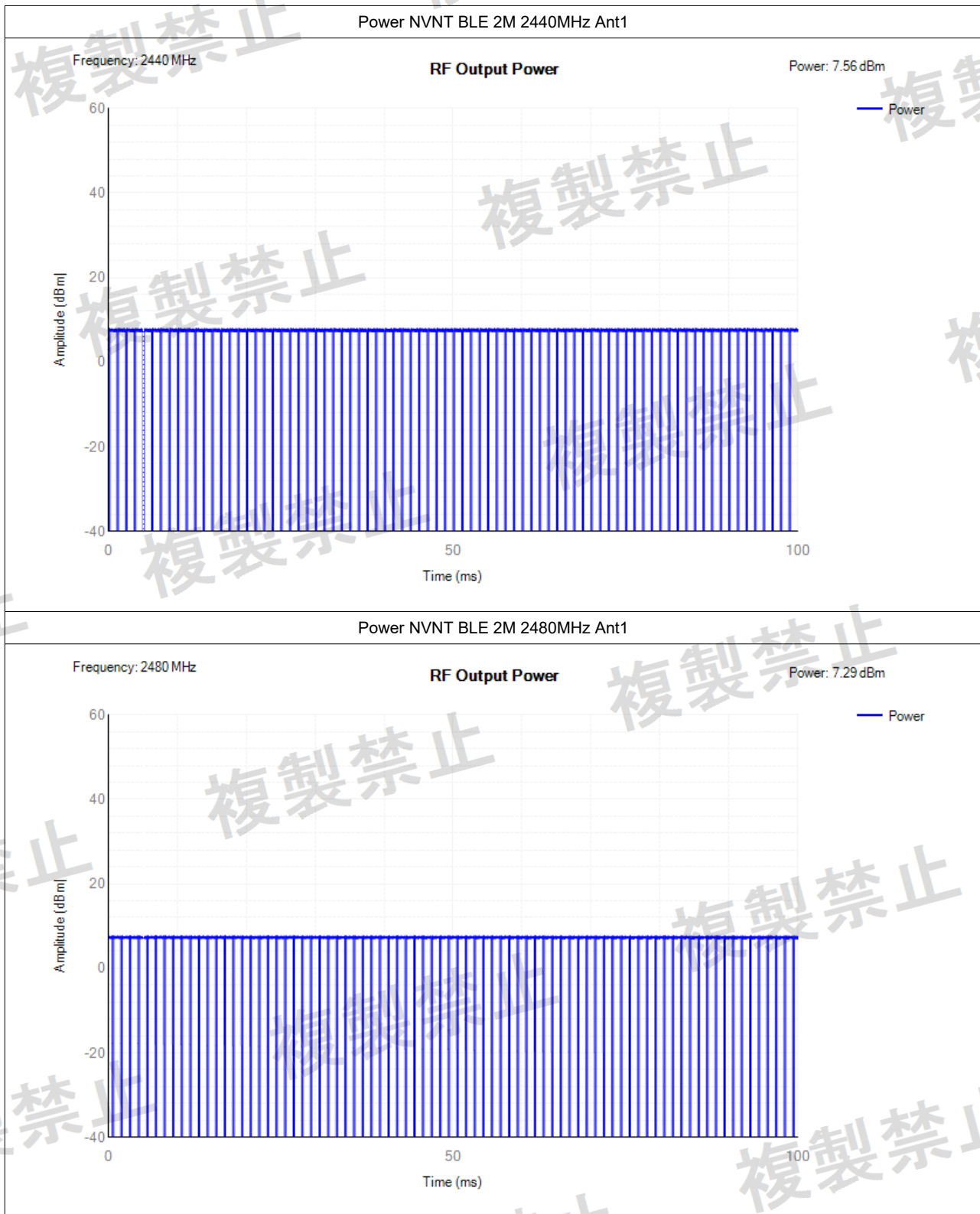
Power NVNT BLE 1M 2402MHz Ant1



Power NVNT BLE 1M 2440MHz Ant1





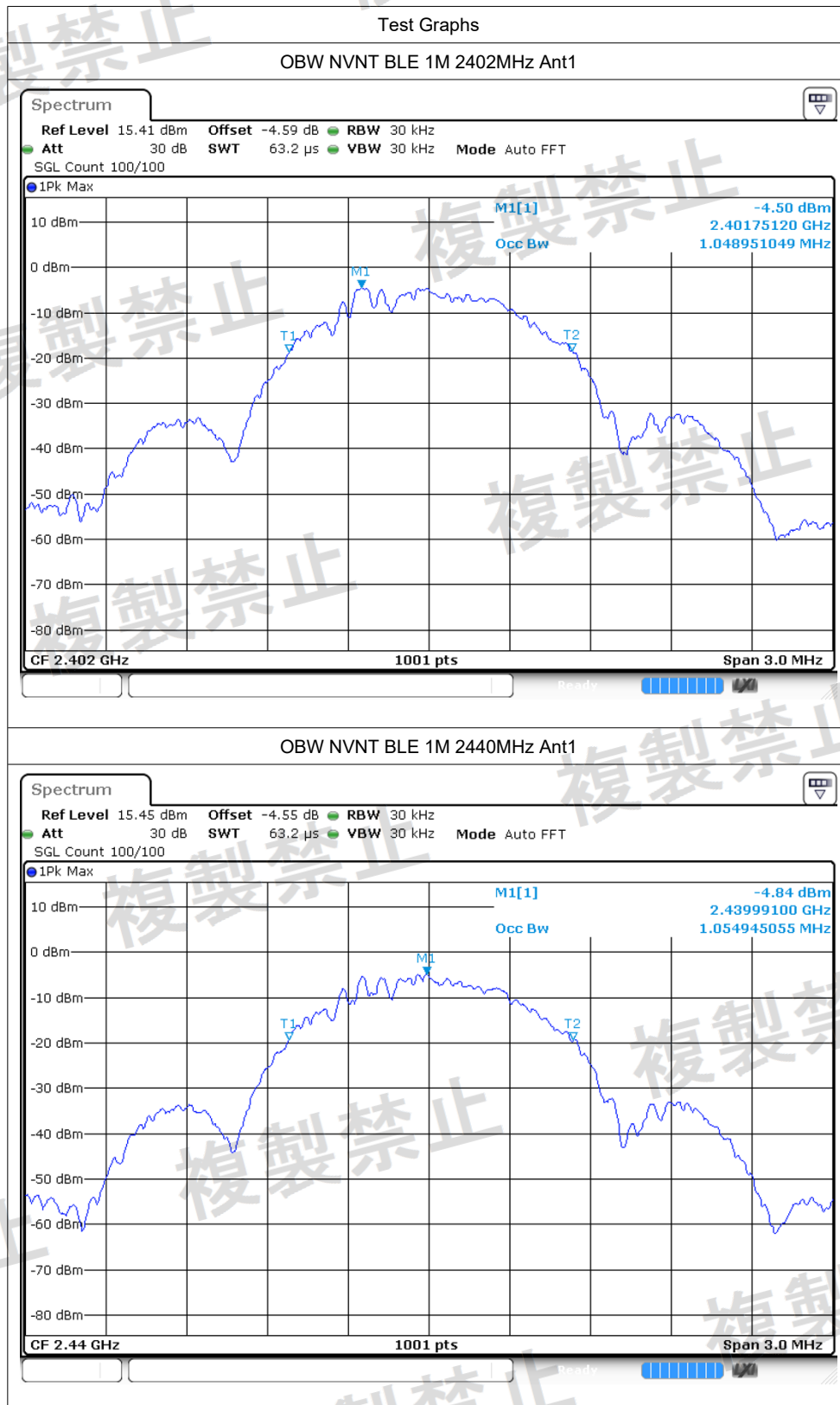


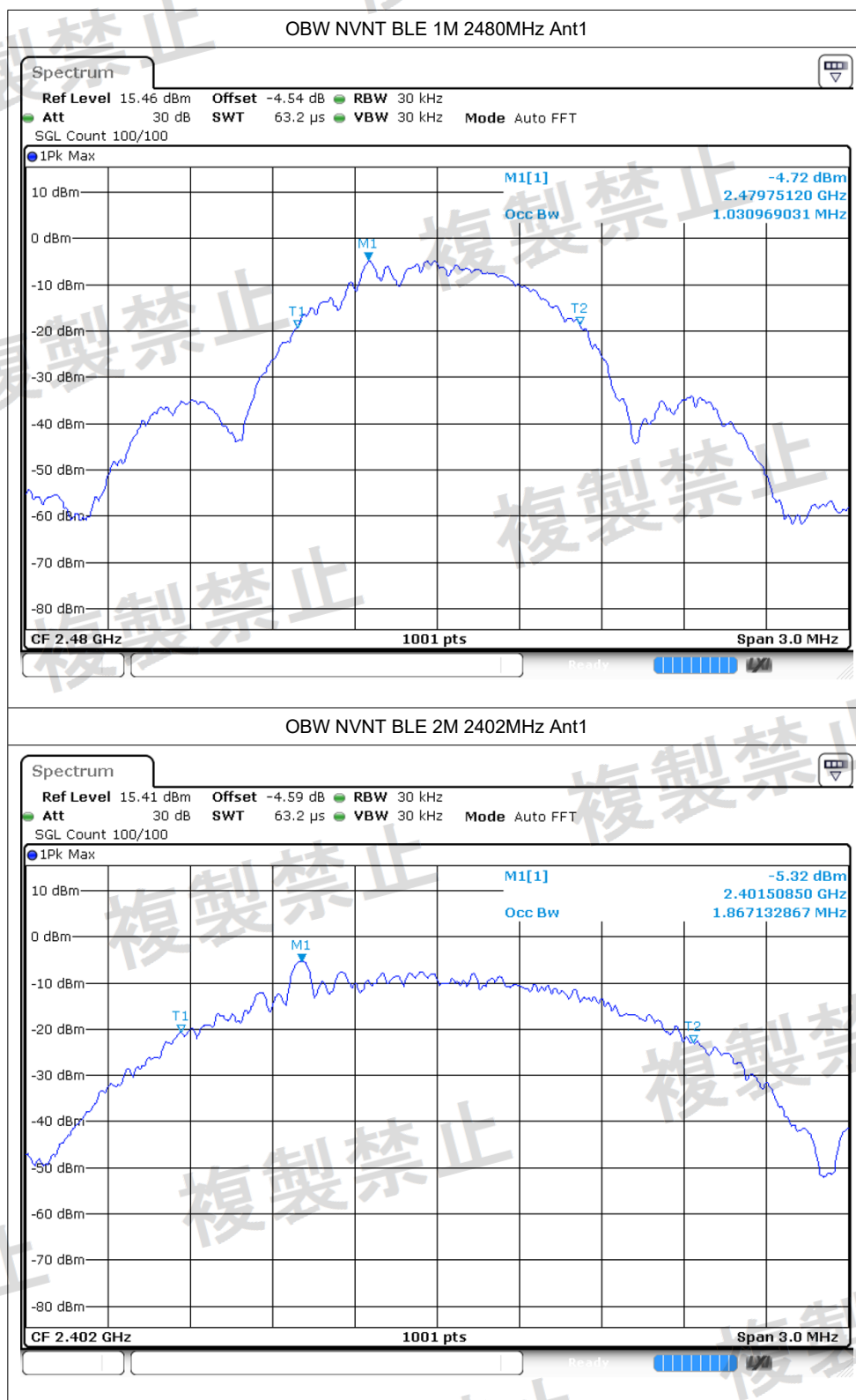
EIRP Power

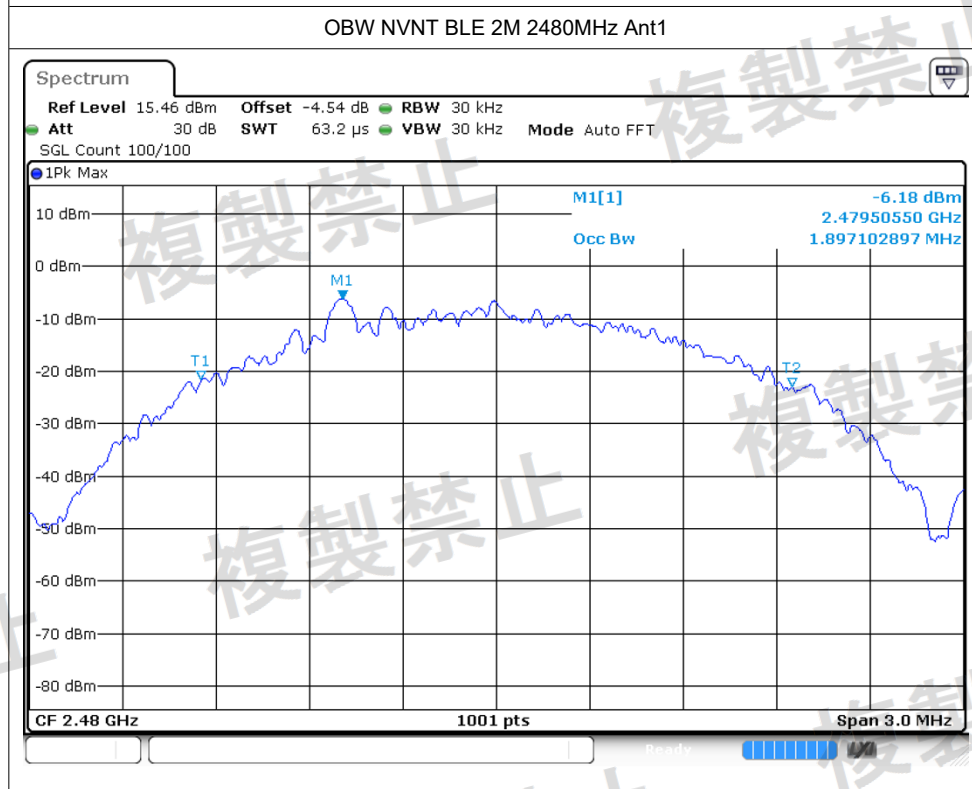
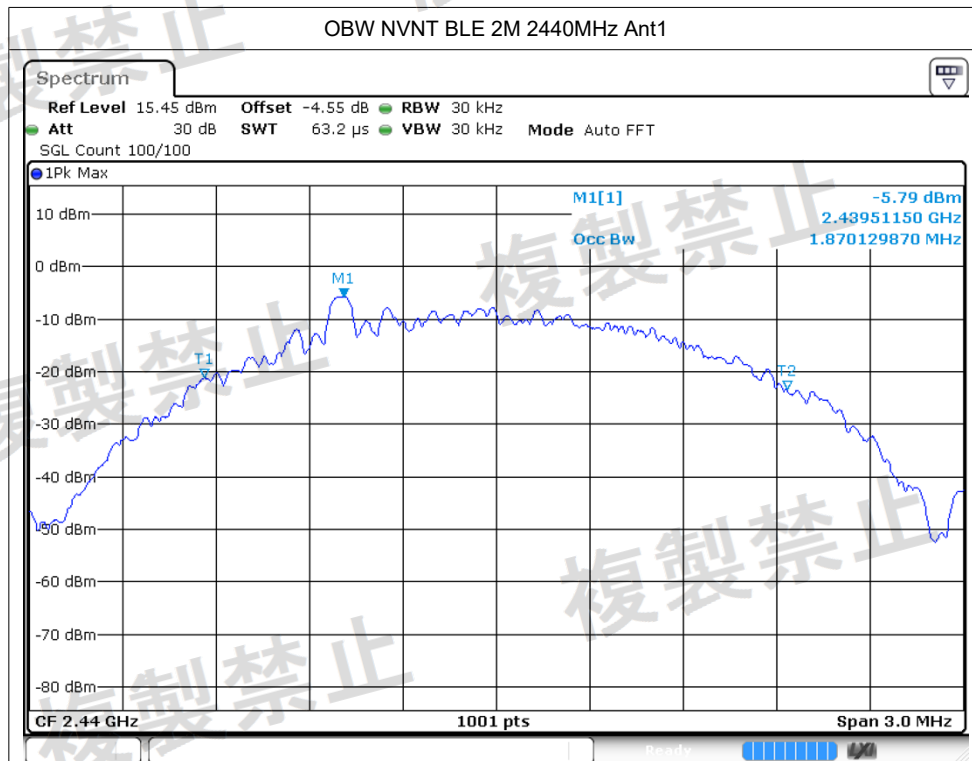
Condition	Mode	Frequency (MHz)	Antenna	Antenna Power (mW)	Antenna Power (dBm)	Gain (dBi)	EIRP Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	7.852	8.95	-7.35	1.6	12.14	Pass
NVNT	BLE 1M	2440	Ant1	6.383	8.05	-7.35	0.70	12.14	Pass
NVNT	BLE 1M	2480	Ant1	5.888	7.7	-7.35	0.35	12.14	Pass
NVNT	BLE 2M	2402	Ant1	7.063	8.49	-7.35	1.14	12.14	Pass
NVNT	BLE 2M	2440	Ant1	5.702	7.56	-7.35	0.21	12.14	Pass
NVNT	BLE 2M	2480	Ant1	5.358	7.29	-7.35	-0.06	12.14	Pass

Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.049
NVNT	BLE 1M	2440	Ant1	1.055
NVNT	BLE 1M	2480	Ant1	1.031
NVNT	BLE 2M	2402	Ant1	1.867
NVNT	BLE 2M	2440	Ant1	1.87
NVNT	BLE 2M	2480	Ant1	1.897

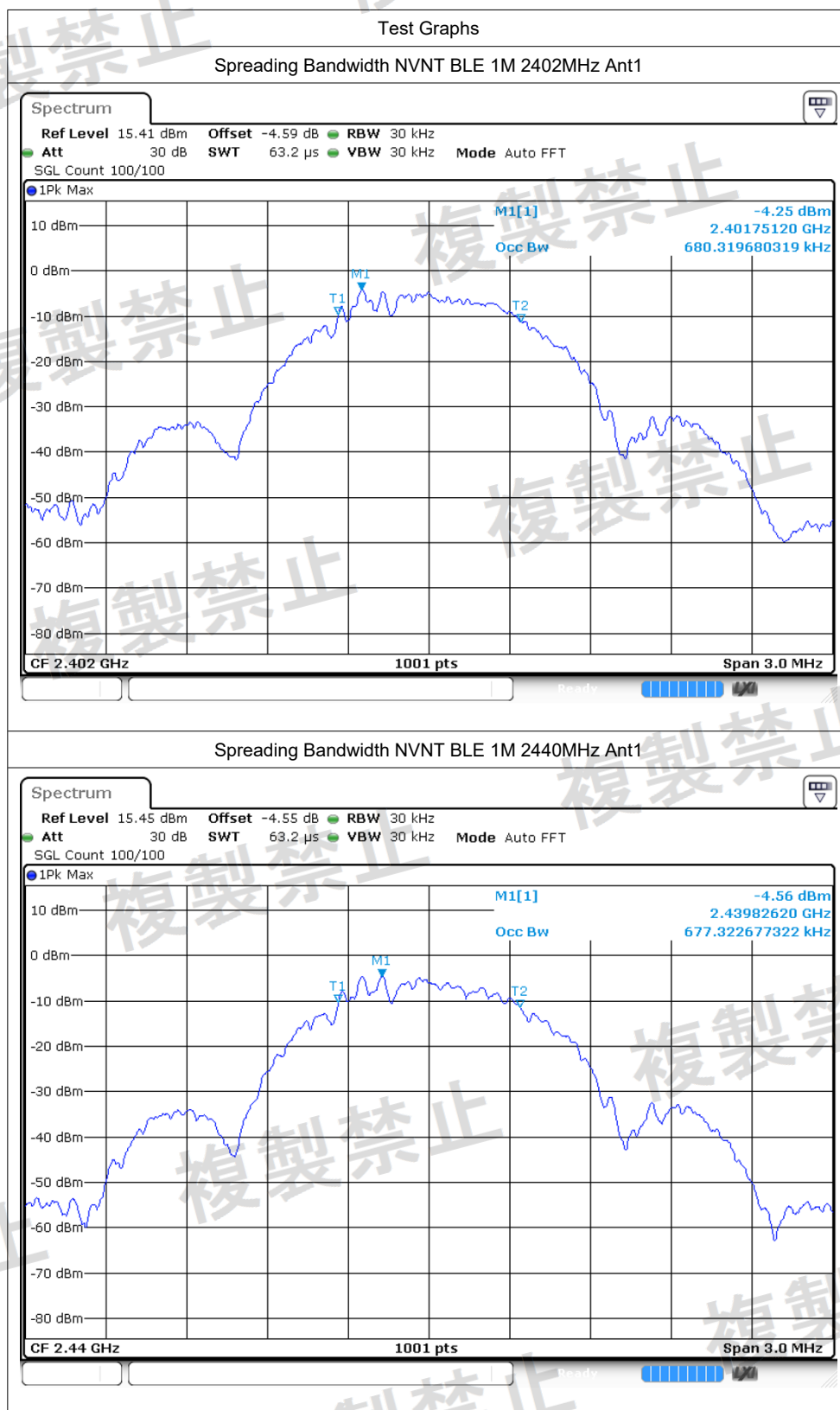


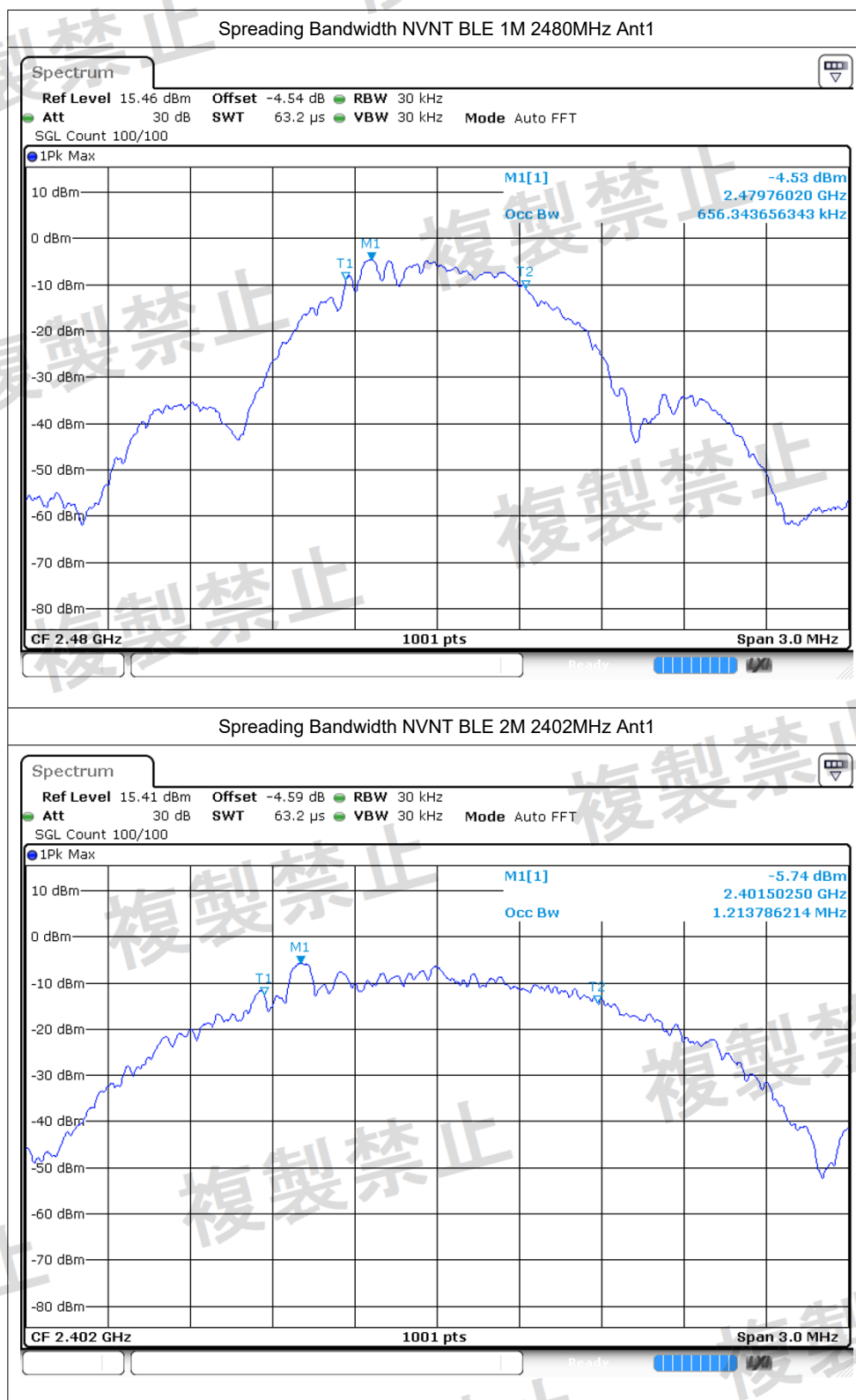


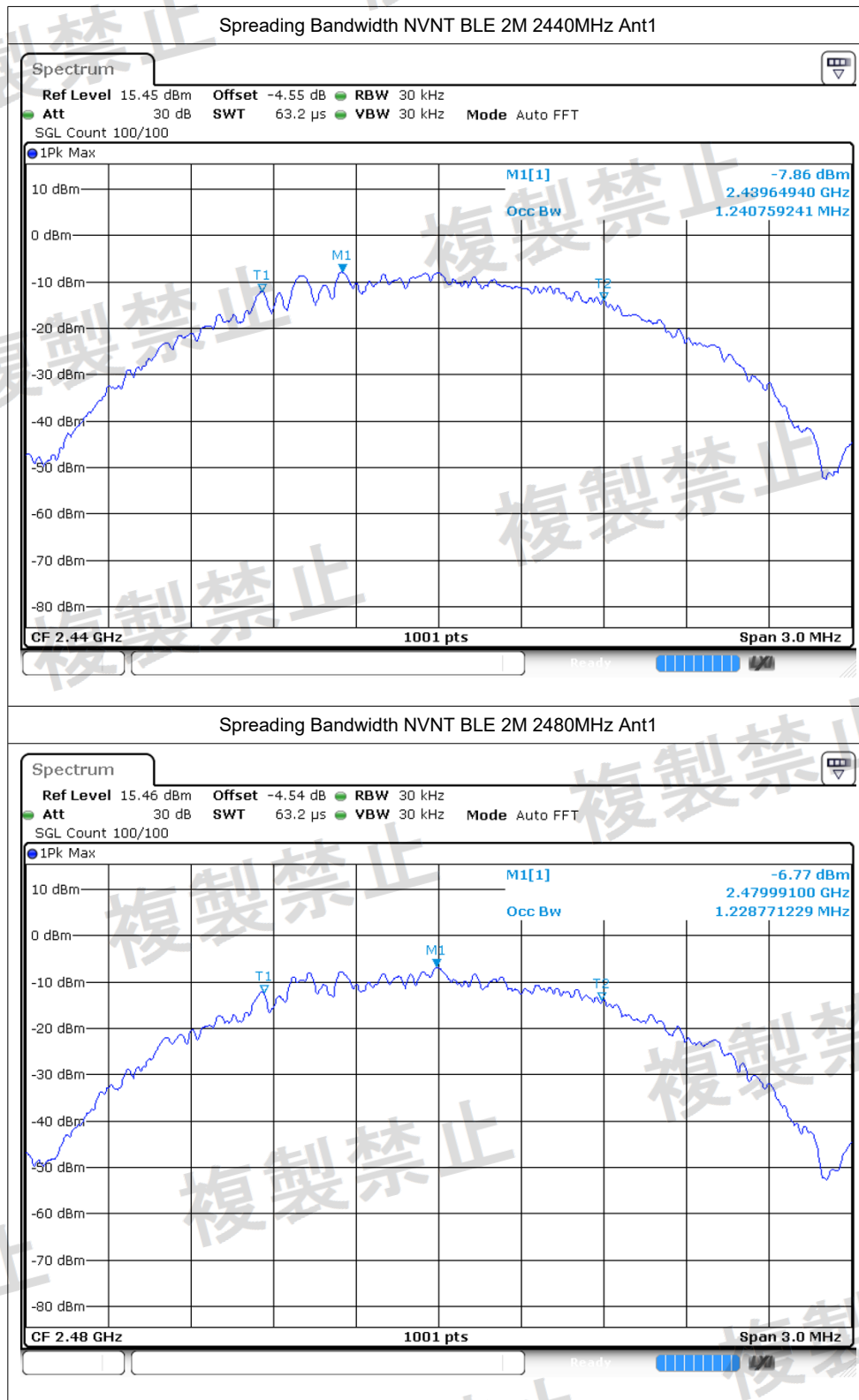


Spreading Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	90% OBW (MHz)	Limit (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.68	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.677	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.656	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.214	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.241	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.229	0.5	Pass







Tx Spurious Emission

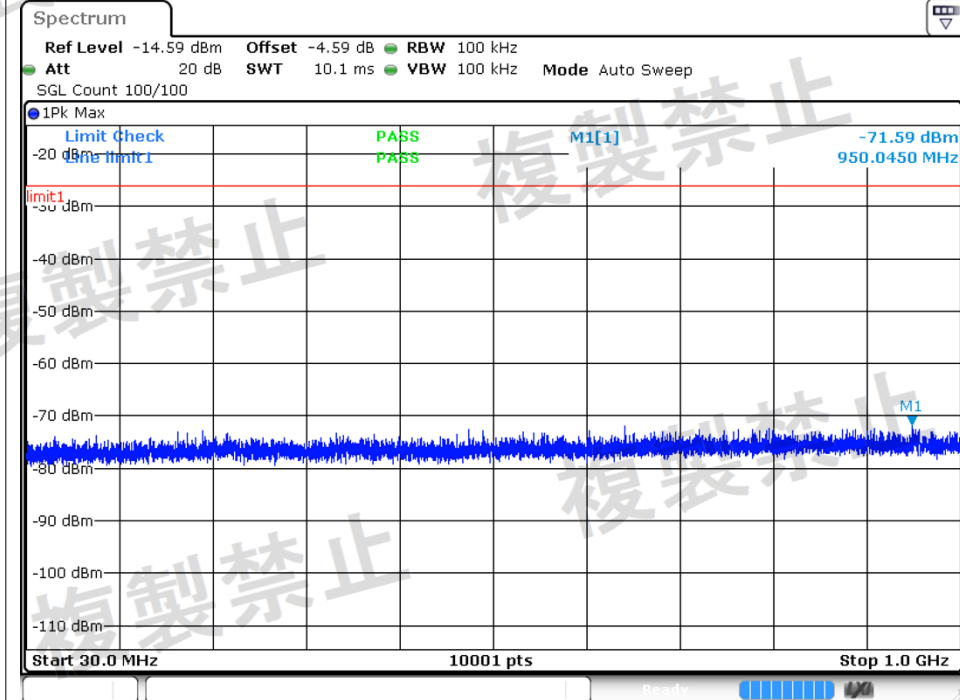
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Peak Value (dBm)	Max RMS Value (dBm)	Max Peak Value (uW)	Max RMS Value (uW)	Limit Start(uW)	Limit Stop (uW)	Verdict
NVNT	BLE 1M	2402	Ant1	30-1000	950.05	-61.59	NA	0.0007	NA	2.5	2.5	Pass
NVNT	BLE 1M	2402	Ant1	1000-2387	2370.49	-60.32	NA	0.0009	NA	2.5	2.5	Pass
NVNT	BLE 1M	2402	Ant1	2387-2400	2400.00	-35.68	NA	0.2704	NA	25	25	Pass
NVNT	BLE 1M	2402	Ant1	2483.5-2496.5	2493.08	-63.23	NA	0.0005	NA	25	25	Pass
NVNT	BLE 1M	2402	Ant1	2496.5-13000	4804.12	-50.97	NA	0.008	NA	2.5	2.5	Pass
NVNT	BLE 1M	2440	Ant1	30-1000	803.28	-62.01	NA	0.0006	NA	2.5	2.5	Pass
NVNT	BLE 1M	2440	Ant1	1000-2387	2286.72	-62.48	NA	0.0006	NA	2.5	2.5	Pass
NVNT	BLE 1M	2440	Ant1	2387-2400	2391.85	-63.73	NA	0.0004	NA	25	25	Pass
NVNT	BLE 1M	2440	Ant1	2483.5-2496.5	2494.62	-64.17	NA	0.0004	NA	25	25	Pass
NVNT	BLE 1M	2440	Ant1	2496.5-13000	4879.74	-52.87	NA	0.0052	NA	2.5	2.5	Pass
NVNT	BLE 1M	2480	Ant1	30-1000	916.19	-62.15	NA	0.0006	NA	2.5	2.5	Pass
NVNT	BLE 1M	2480	Ant1	1000-2387	2173.40	-62.49	NA	0.0006	NA	2.5	2.5	Pass
NVNT	BLE 1M	2480	Ant1	2387-2400	2398.26	-64.70	NA	0.0003	NA	25	25	Pass
NVNT	BLE 1M	2480	Ant1	2483.5-2496.5	2483.50	-55.21	NA	0.003	NA	25	25	Pass
NVNT	BLE 1M	2480	Ant1	2496.5-13000	4959.57	-54.58	NA	0.0035	NA	2.5	2.5	Pass
NVNT	BLE 2M	2402	Ant1	30-1000	954.51	-59.68	NA	0.0011	NA	2.5	2.5	Pass
NVNT	BLE 2M	2402	Ant1	1000-2387	2370.77	-60.17	NA	0.001	NA	2.5	2.5	Pass
NVNT	BLE 2M	2402	Ant1	2387-2400	2400.00	-25.26	NA	2.9785	NA	25	25	Pass
NVNT	BLE 2M	2402	Ant1	2483.5-2496.5	2483.50	-63.25	NA	0.0005	NA	25	25	Pass



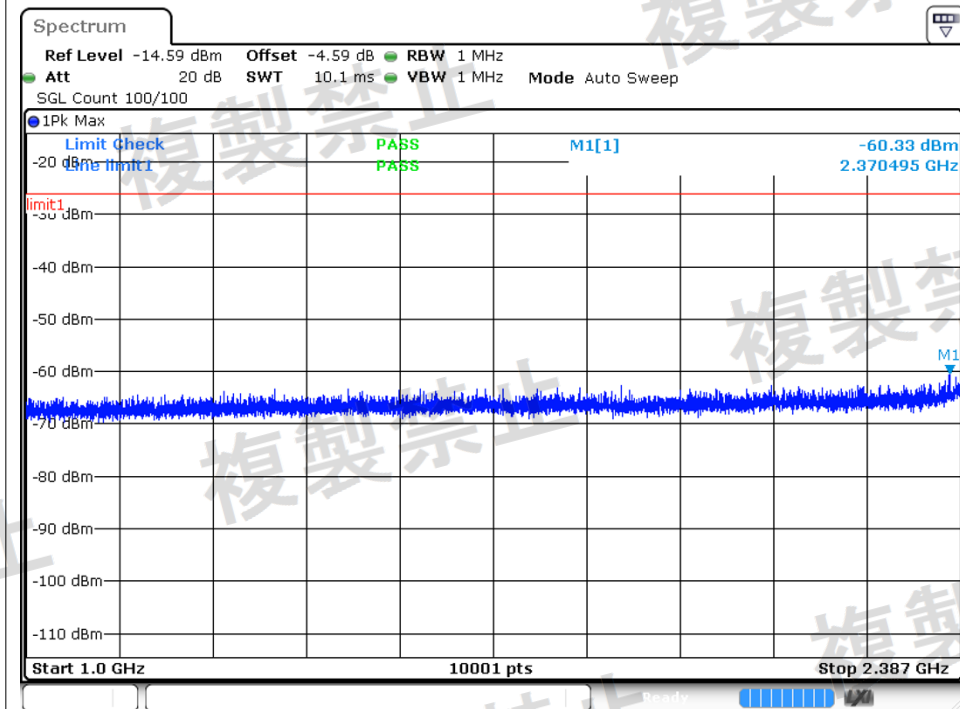
NVNT	BLE 2M	2402	Ant1	2496.5-13000	4804.12	-51.04	NA	0.0079	NA	2.5	2.5	Pass
NVNT	BLE 2M	2440	Ant1	30-1000	896.89	-61.49	NA	0.0007	NA	2.5	2.5	Pass
NVNT	BLE 2M	2440	Ant1	1000-2387	2110.57	-62.37	NA	0.0006	NA	2.5	2.5	Pass
NVNT	BLE 2M	2440	Ant1	2387-2400	2398.39	-63.27	NA	0.0005	NA	25	25	Pass
NVNT	BLE 2M	2440	Ant1	2483.5-2496.5	2484.41	-62.69	NA	0.0005	NA	25	25	Pass
NVNT	BLE 2M	2440	Ant1	2496.5-13000	6996.20	-53.97	NA	0.004	NA	2.5	2.5	Pass
NVNT	BLE 2M	2480	Ant1	30-1000	950.43	-60.43	NA	0.0009	NA	2.5	2.5	Pass
NVNT	BLE 2M	2480	Ant1	1000-2387	2325.14	-62.46	NA	0.0006	NA	2.5	2.5	Pass
NVNT	BLE 2M	2480	Ant1	2387-2400	2398.40	-63.90	NA	0.0004	NA	25	25	Pass
NVNT	BLE 2M	2480	Ant1	2483.5-2496.5	2483.50	-57.87	NA	0.0016	NA	25	25	Pass
NVNT	BLE 2M	2480	Ant1	2496.5-13000	3517.44	-33.62	NA	0.4345	NA	2.5	2.5	Pass

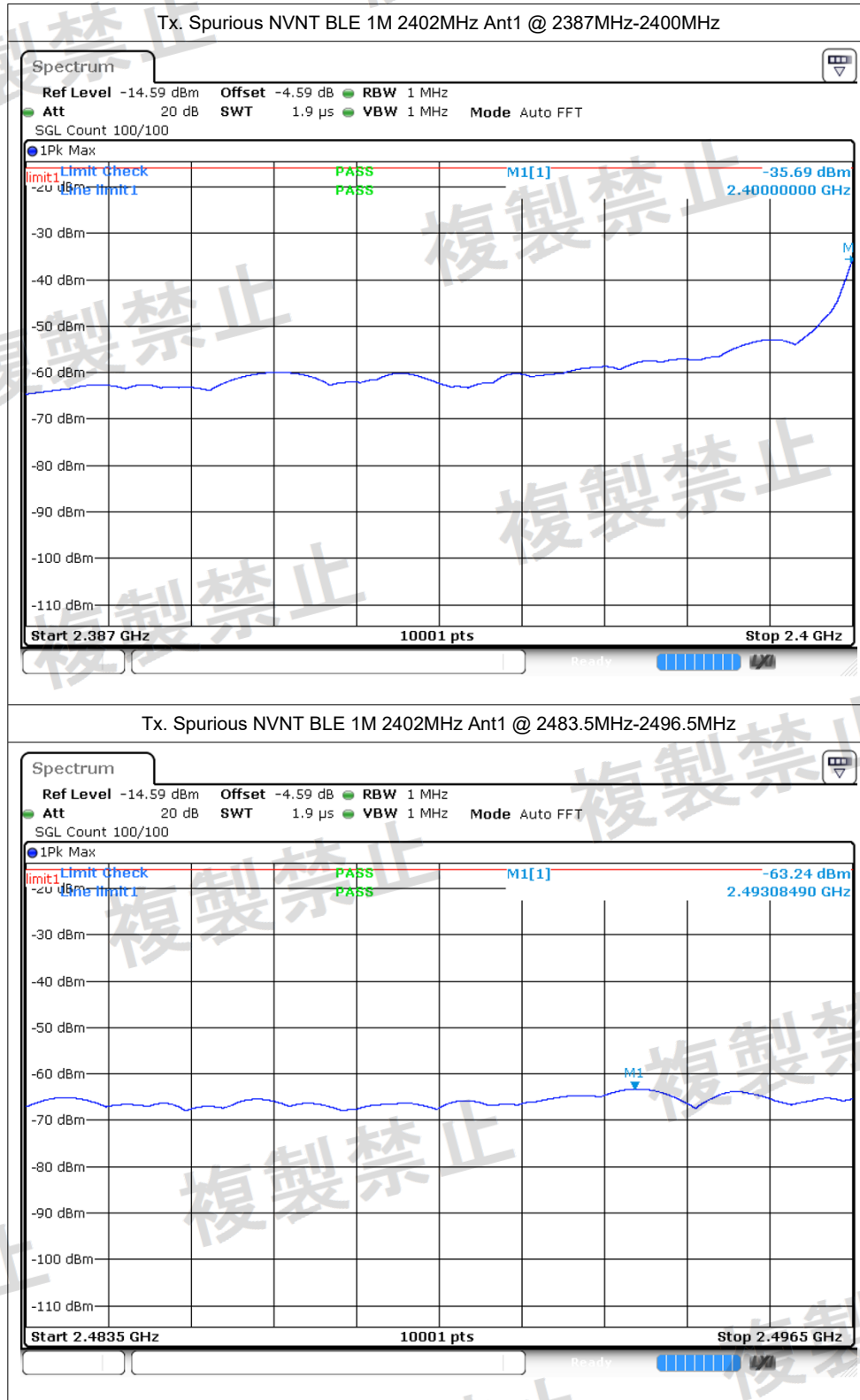
Test Graphs

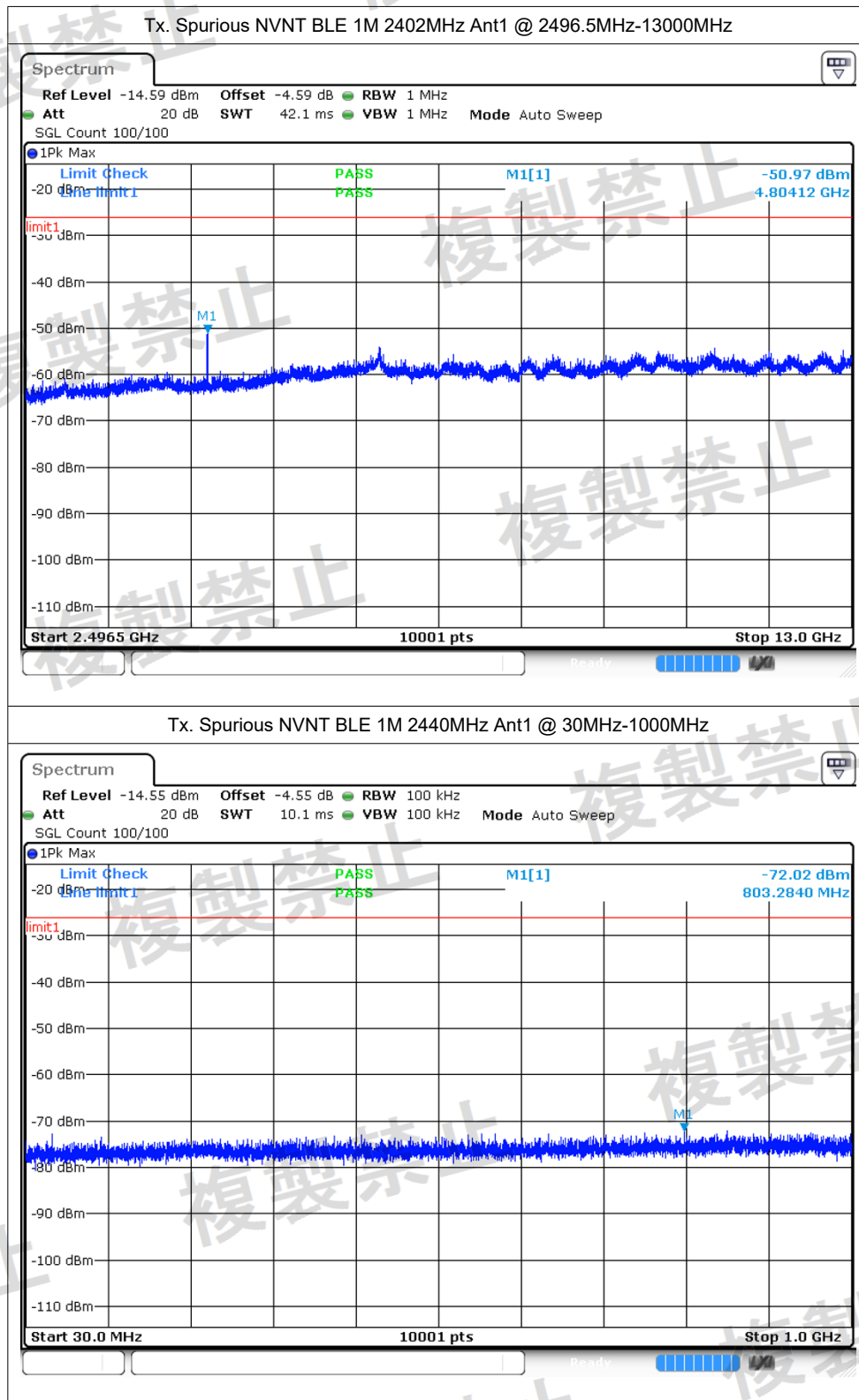
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 30MHz-1000MHz

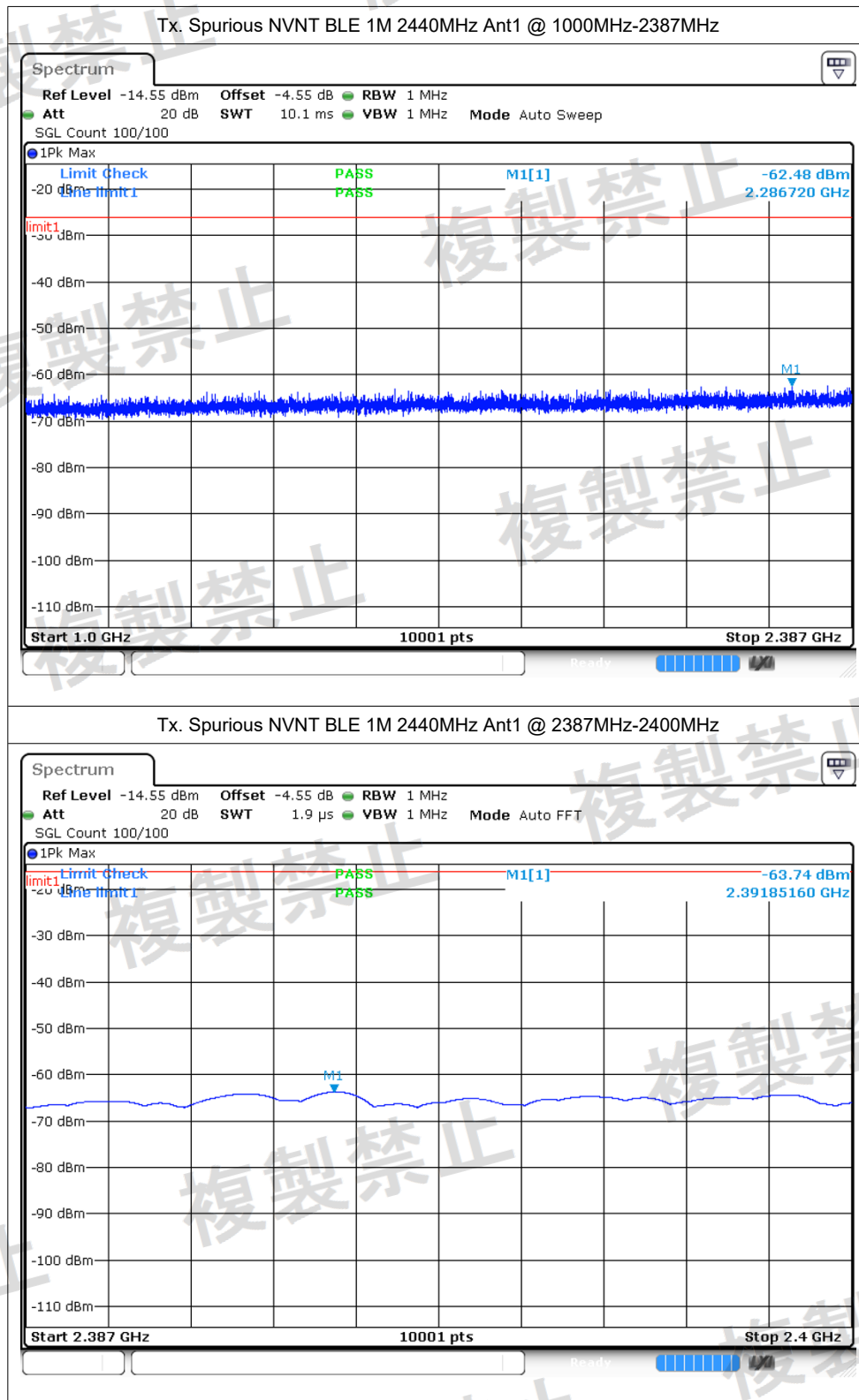


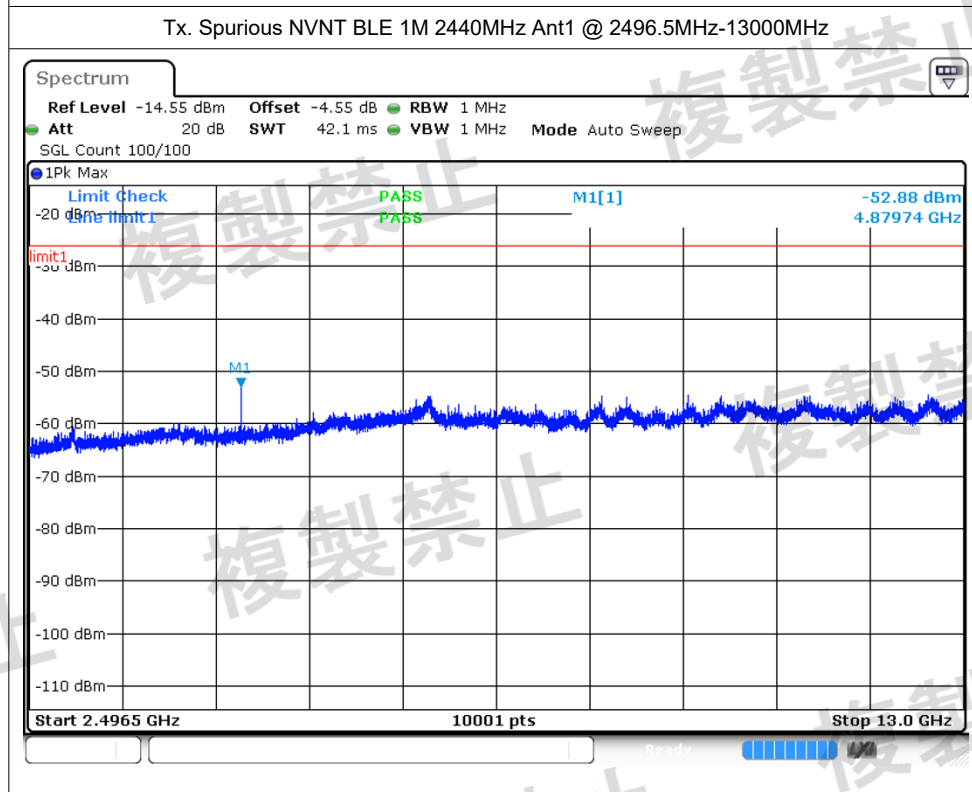
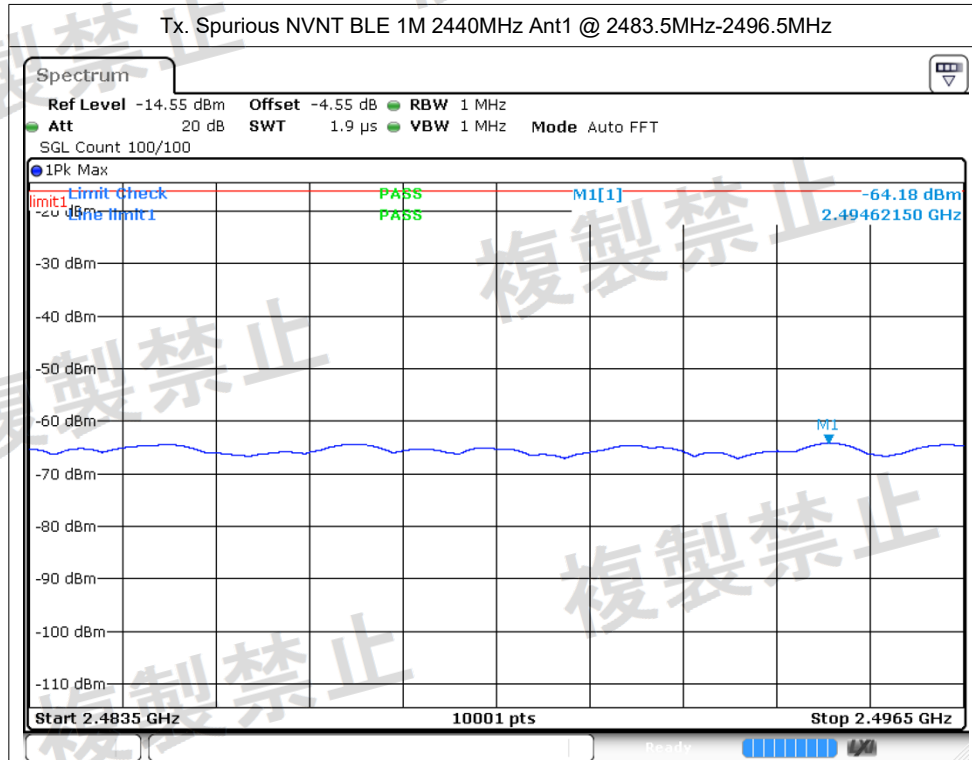
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 1000MHz-2387MHz

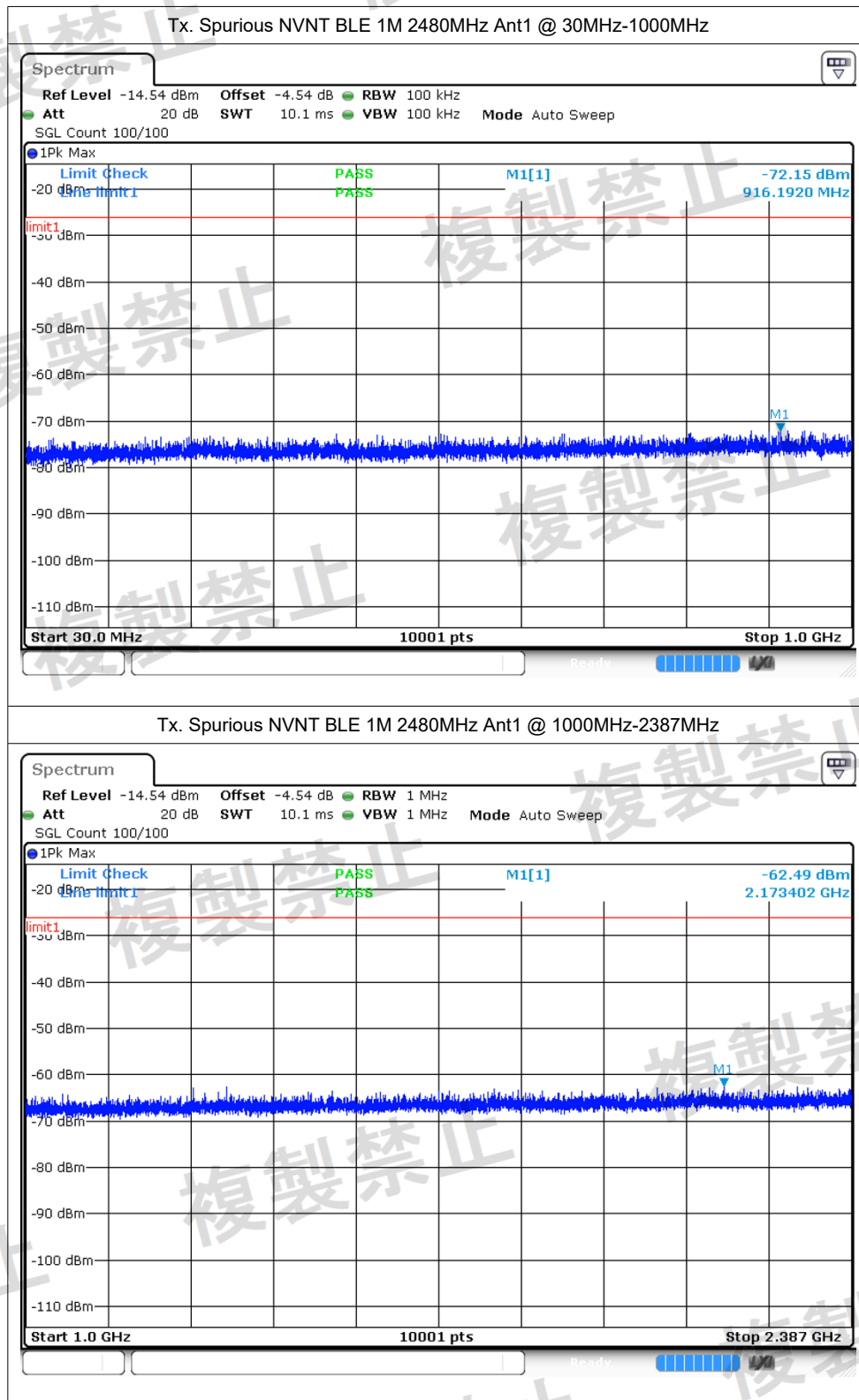


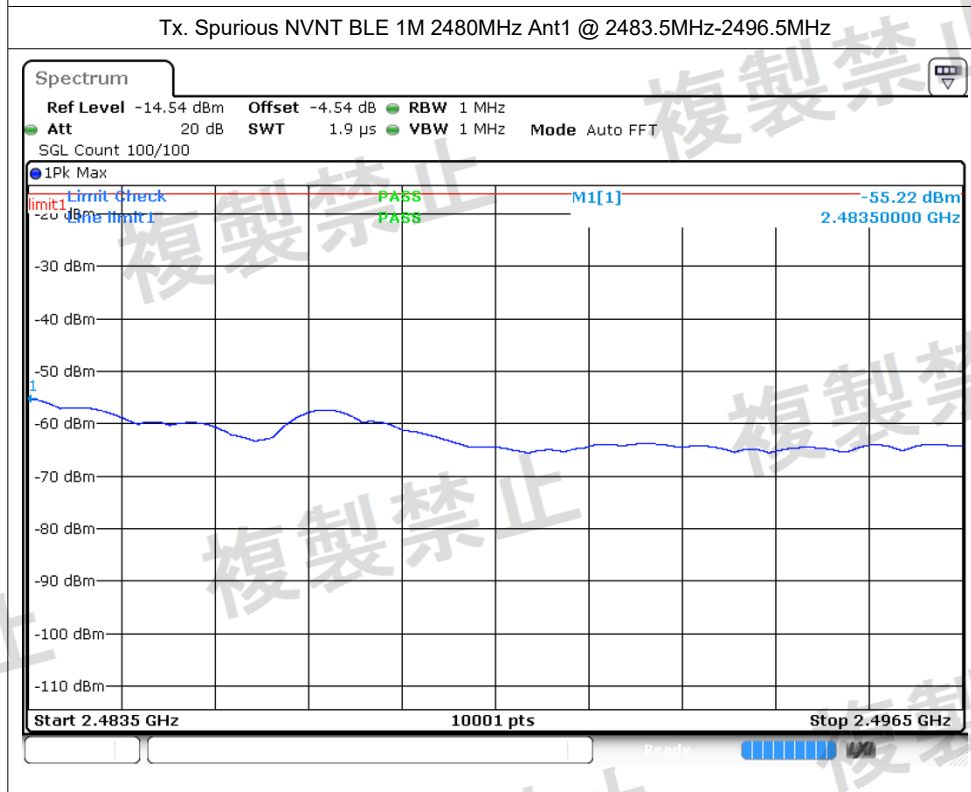
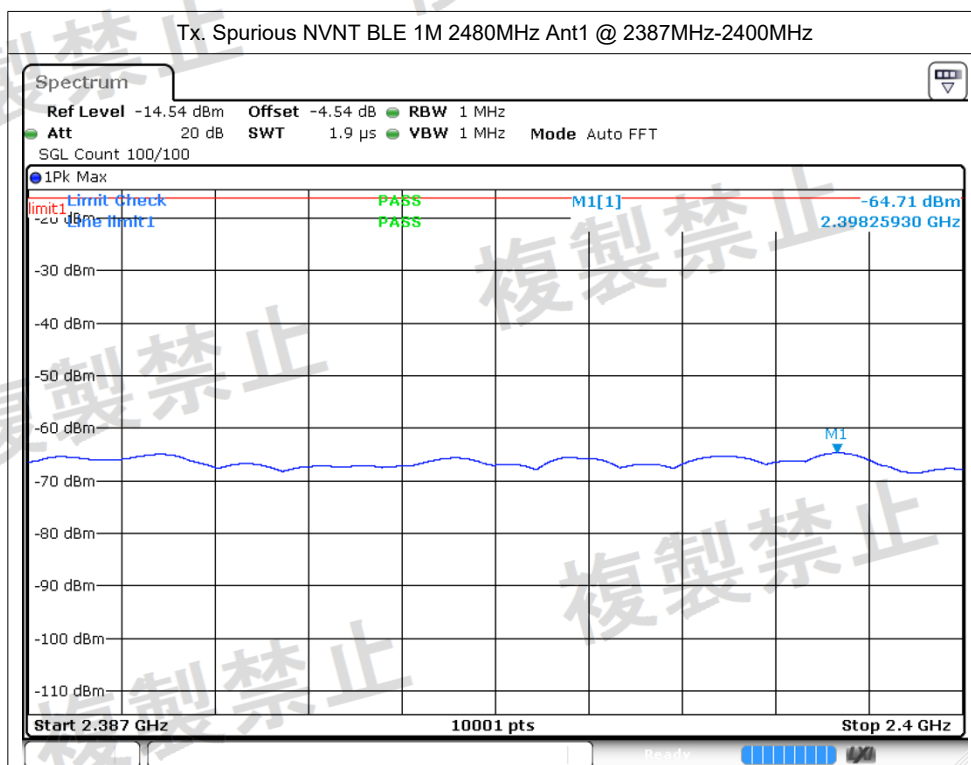


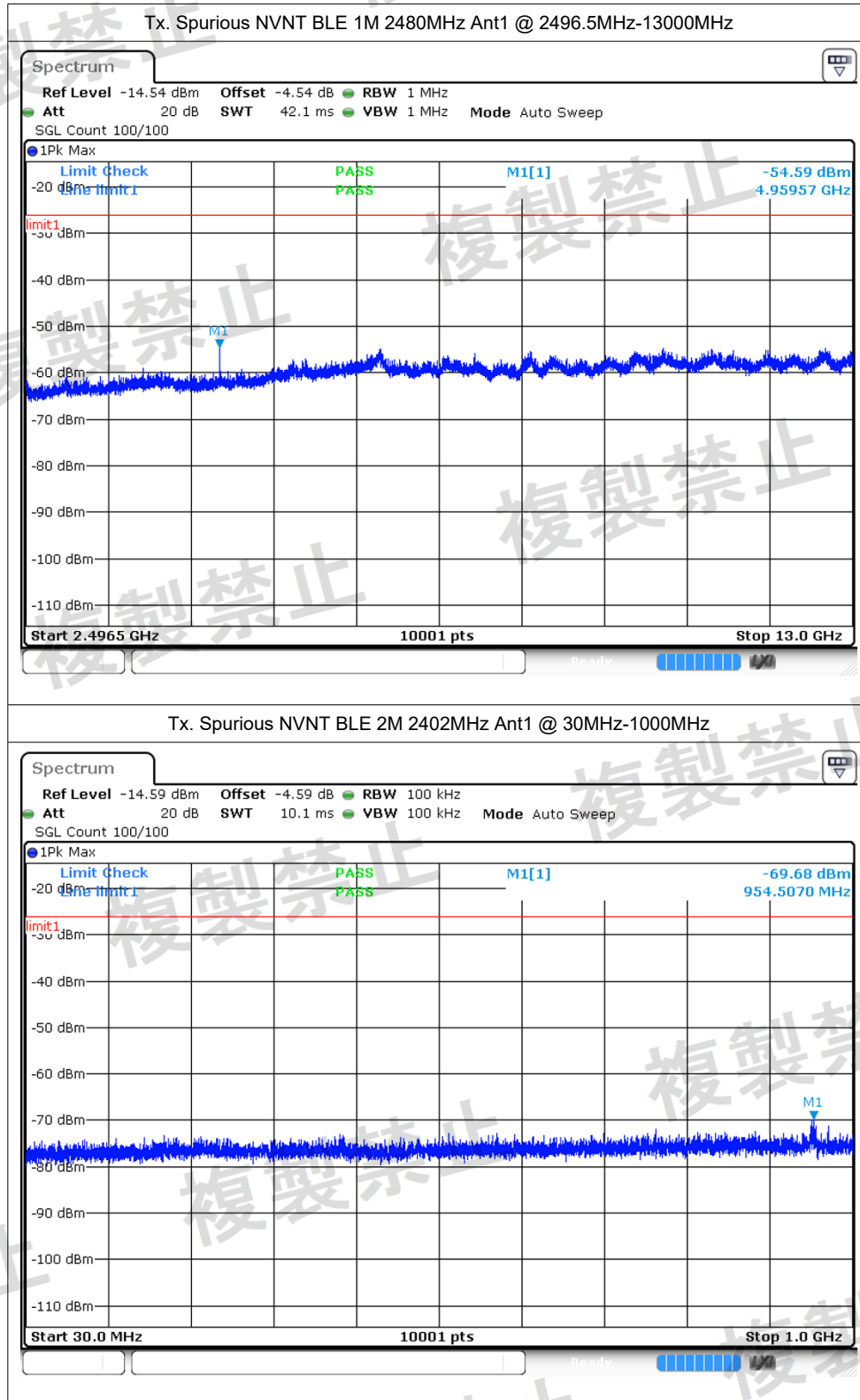


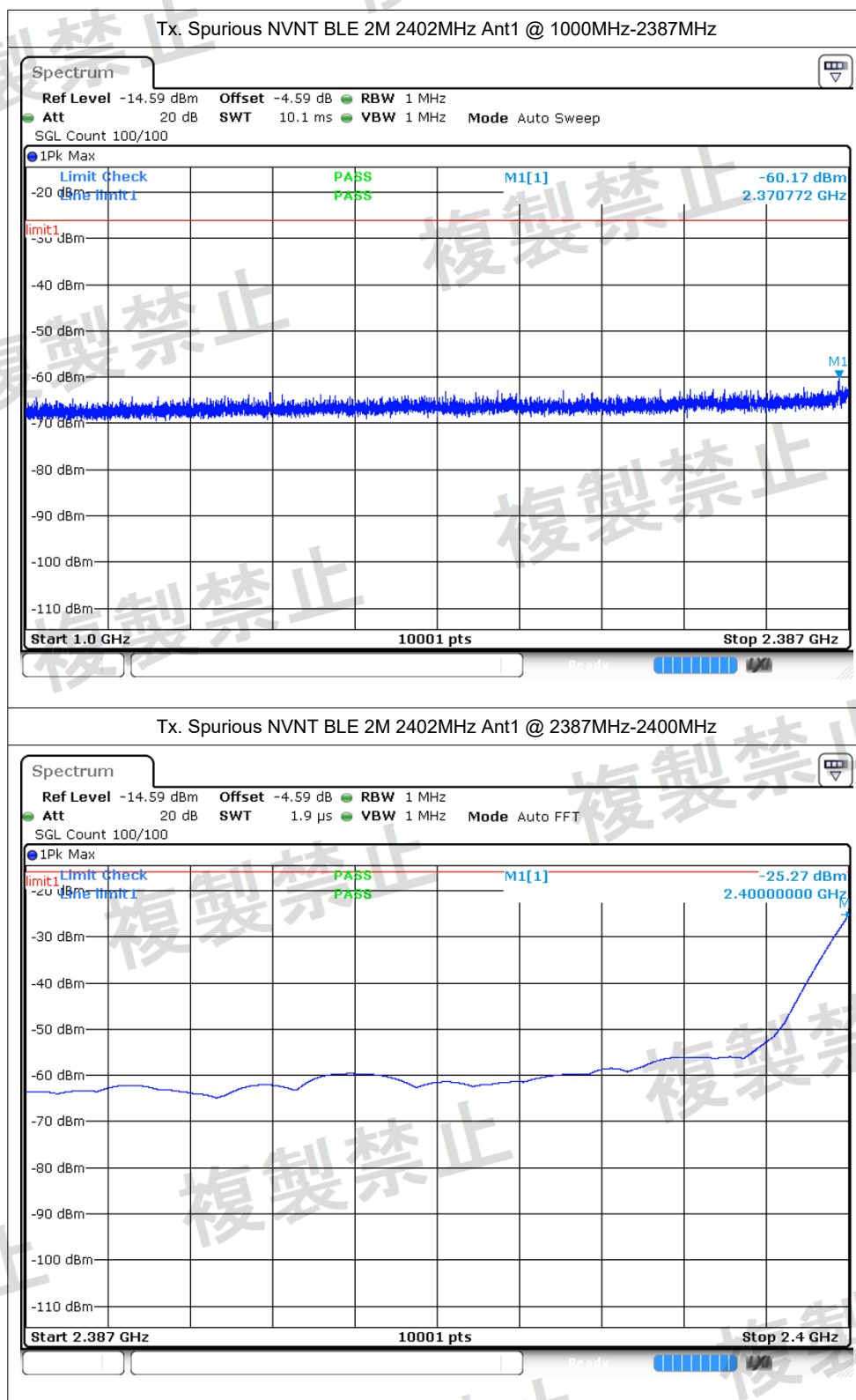


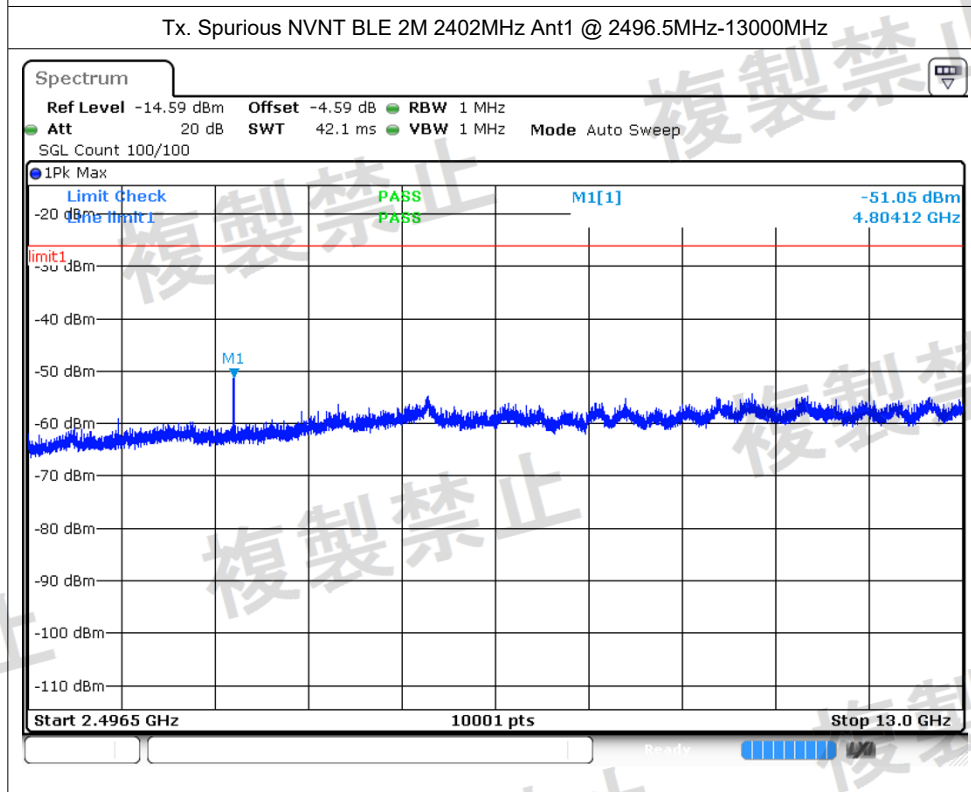
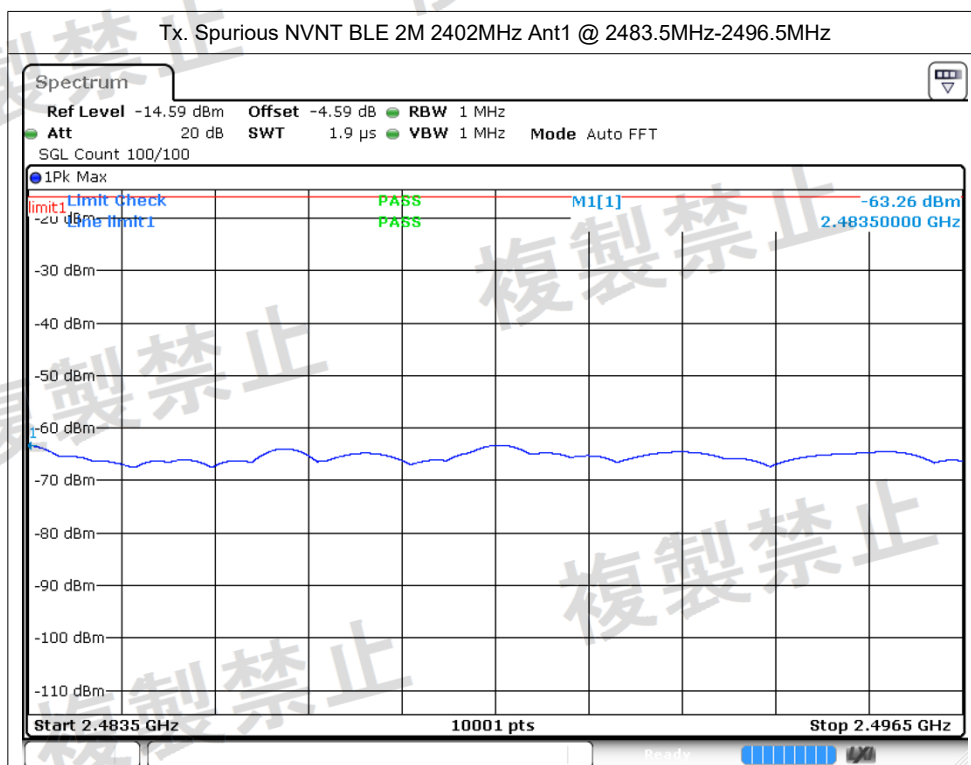


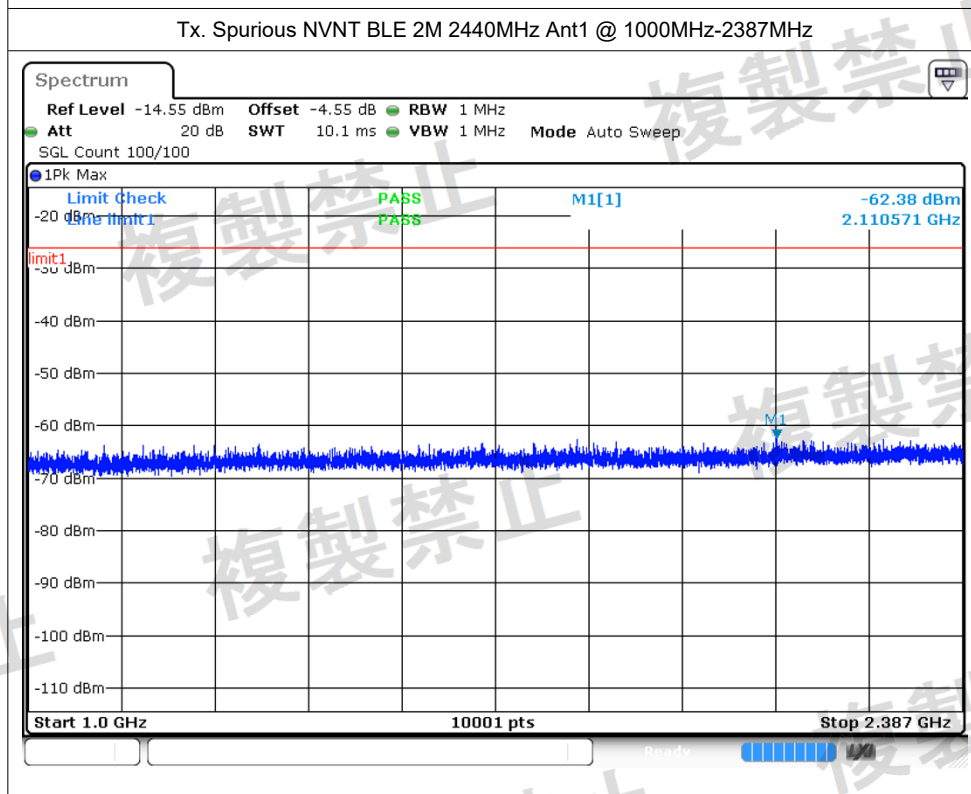
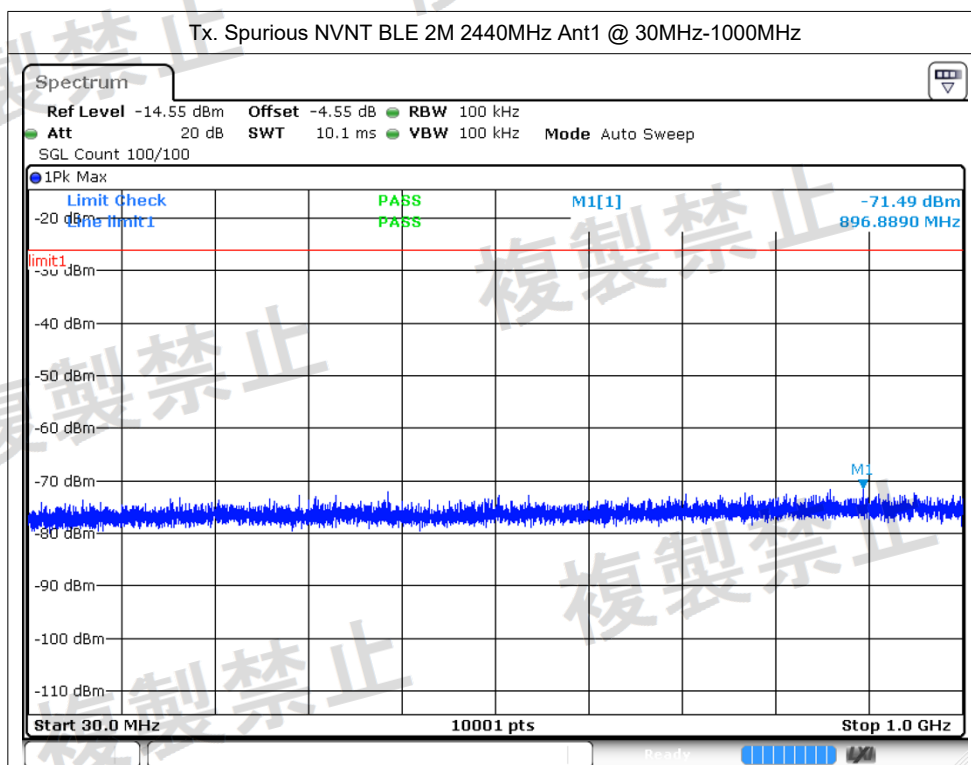


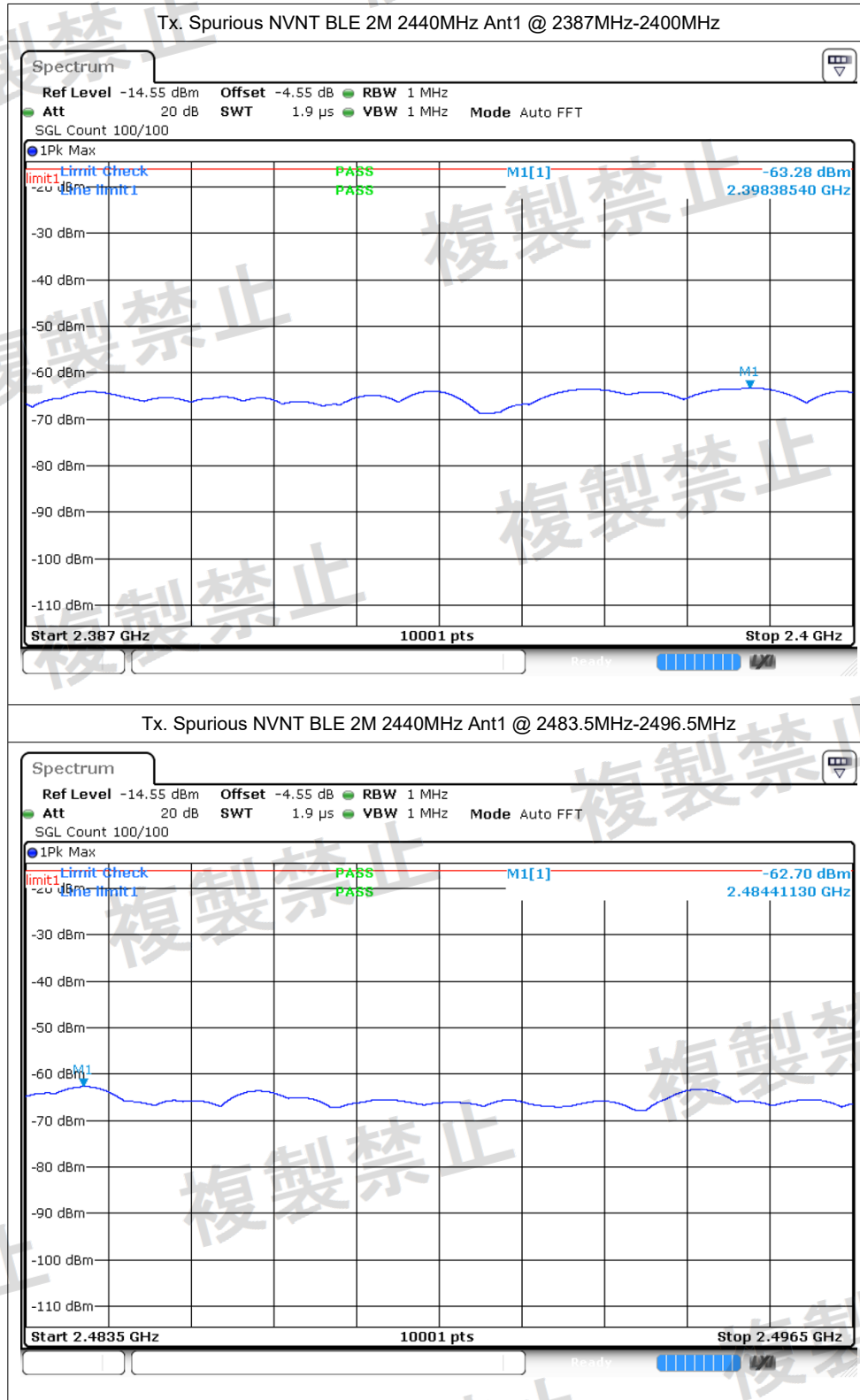


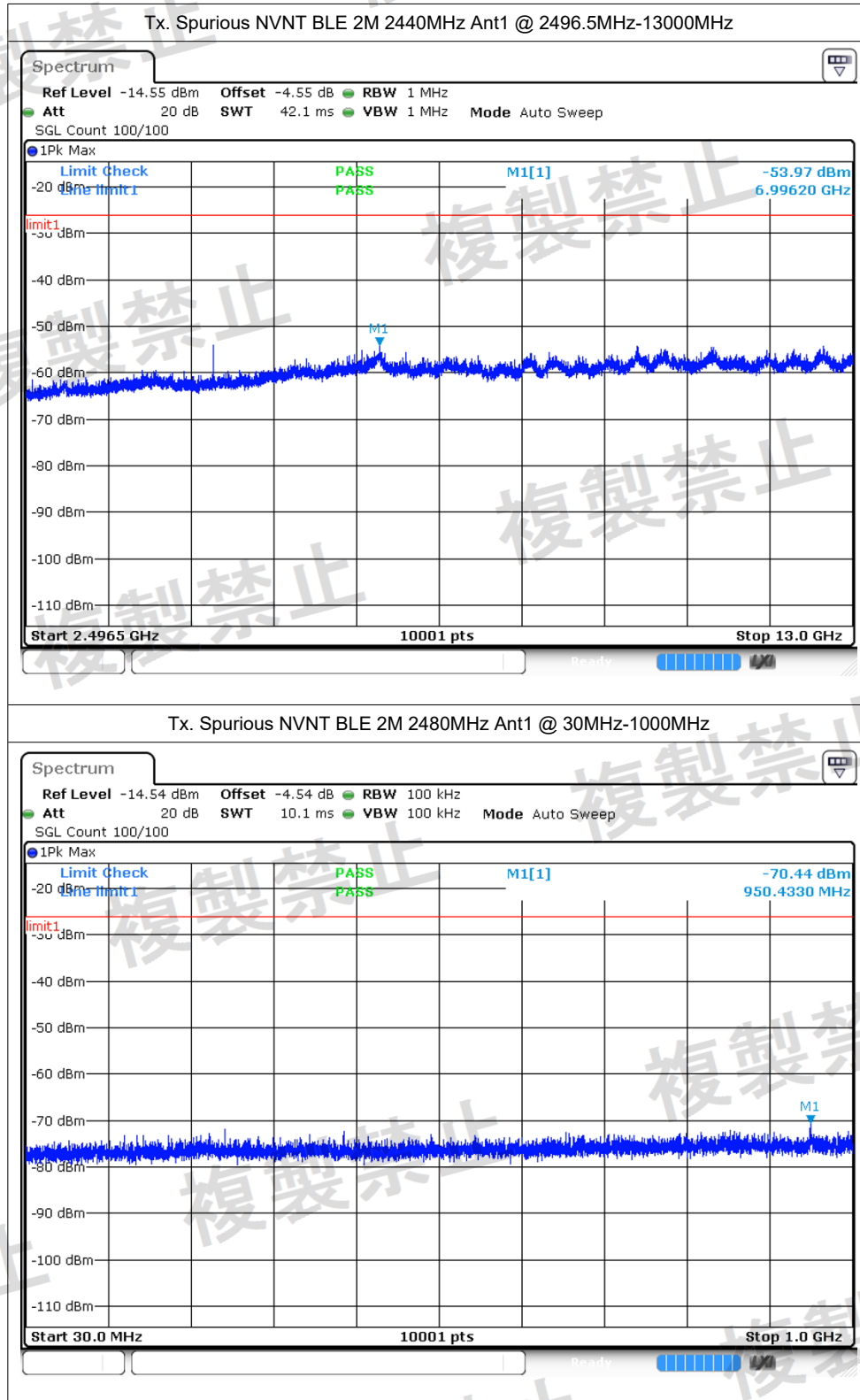


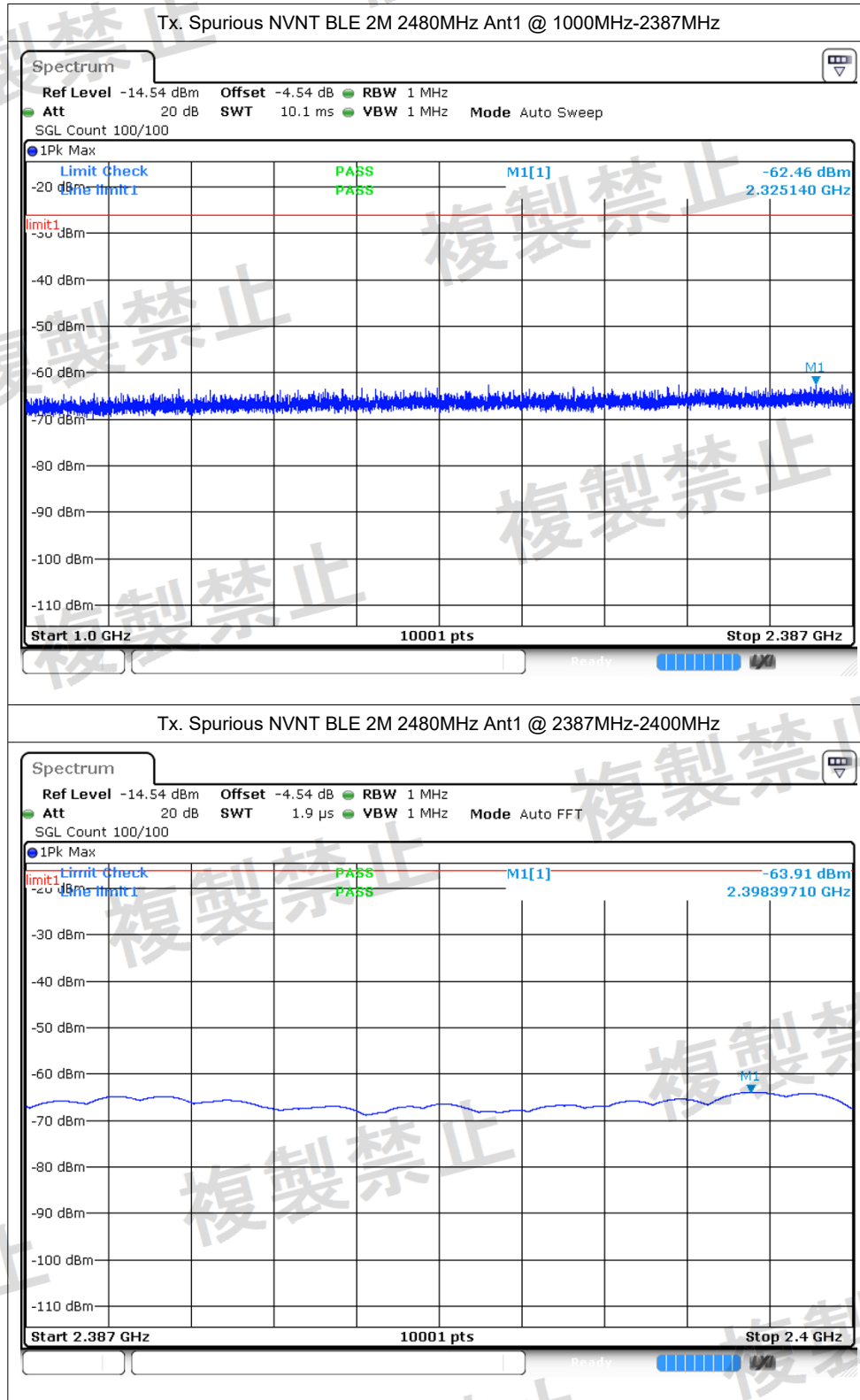


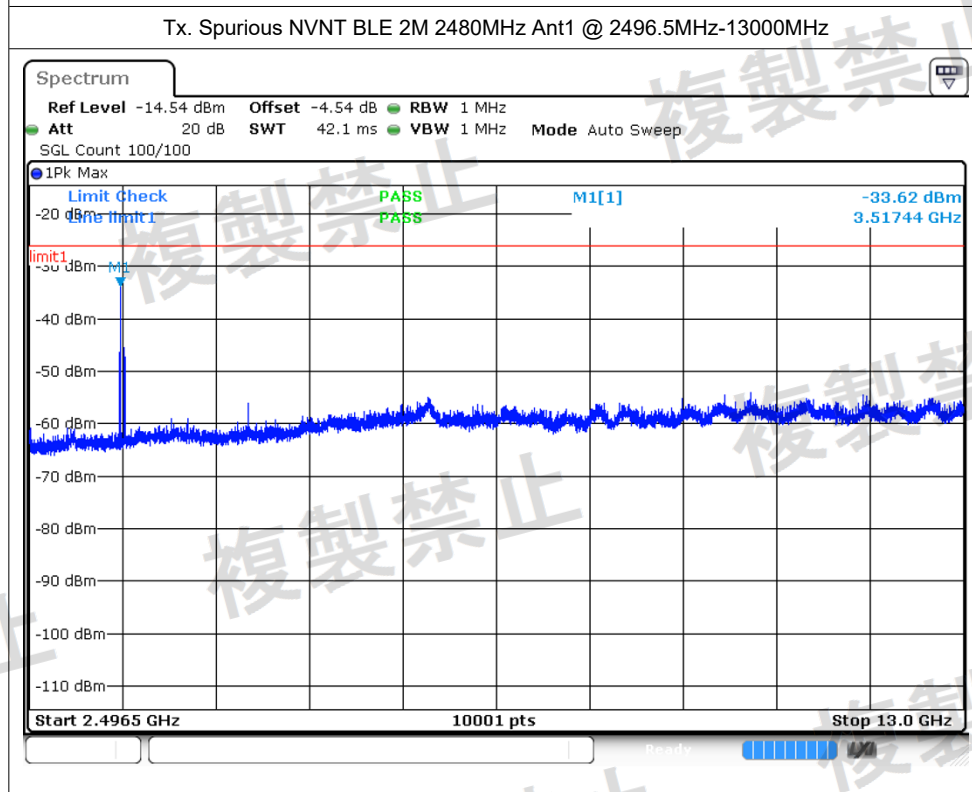
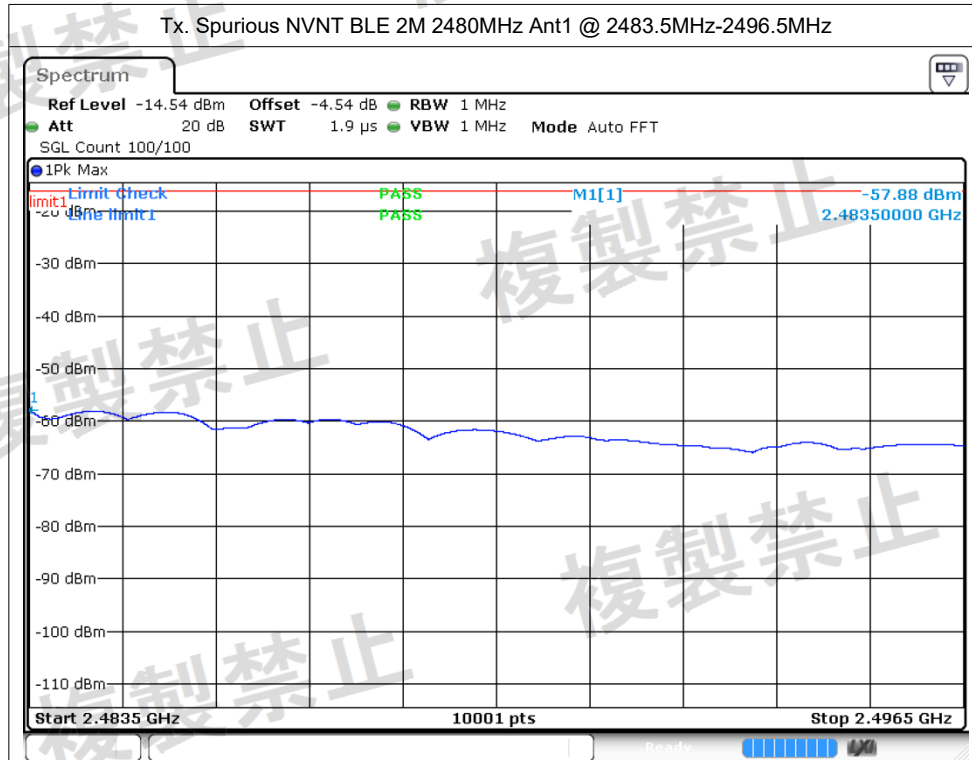












Rx Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Peak Value (dBm)	Max RMS Value (dBm)	Max Peak Value (nW)	Max RMS Value (nW)	Limit (nW)	Verdict
NVNT	BLE 1M	2402	Ant1	30-1000	950.97	-73.00	NA	0.0501	NA	4	Pass
NVNT	BLE 1M	2402	Ant1	1000-13000	12646.60	-74.04	NA	0.0394	NA	20	Pass
NVNT	BLE 2M	2402	Ant1	30-1000	950.58	-71.41	NA	0.0723	NA	4	Pass
NVNT	BLE 2M	2402	Ant1	1000-13000	10597.20	-74.29	NA	0.0372	NA	20	Pass

