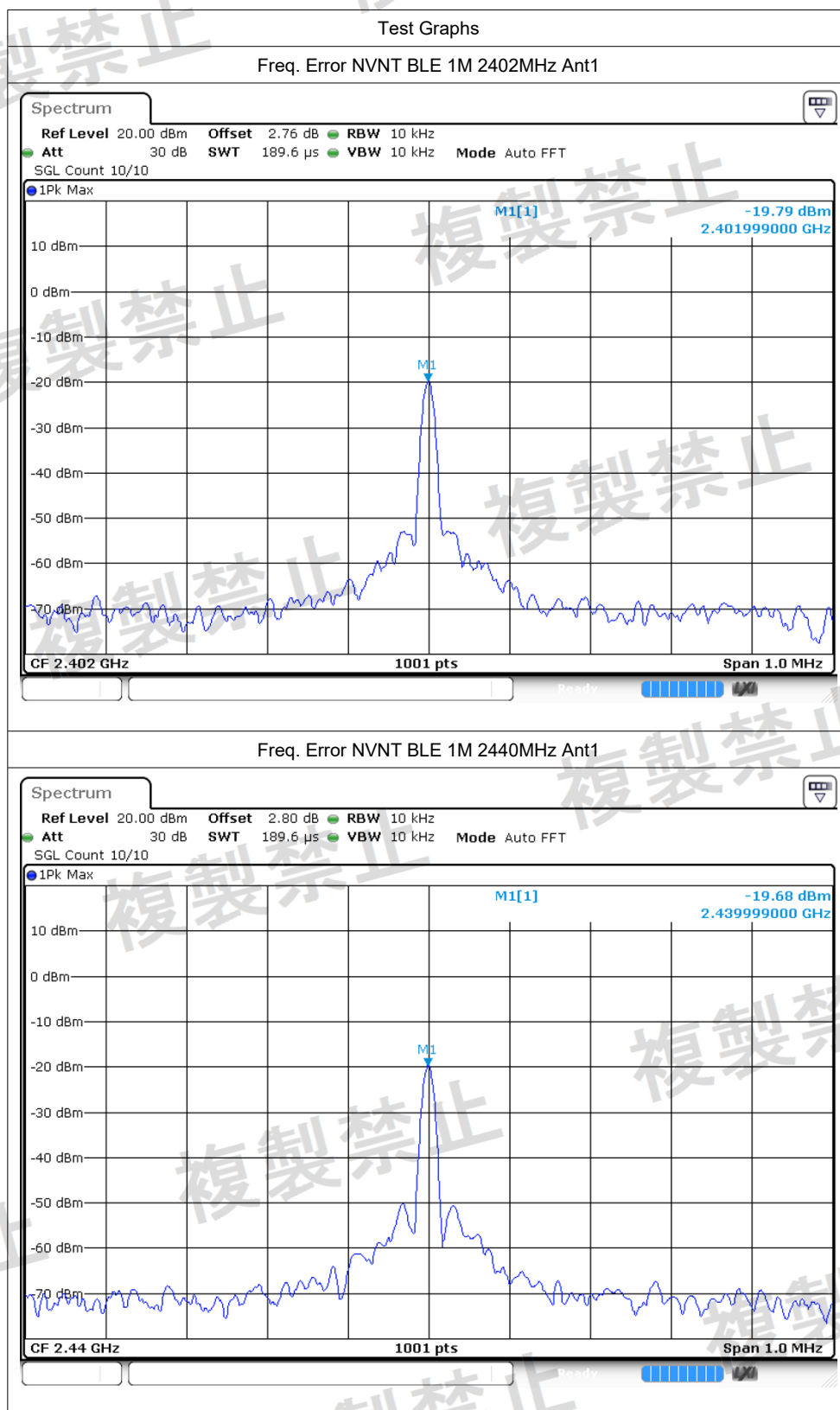
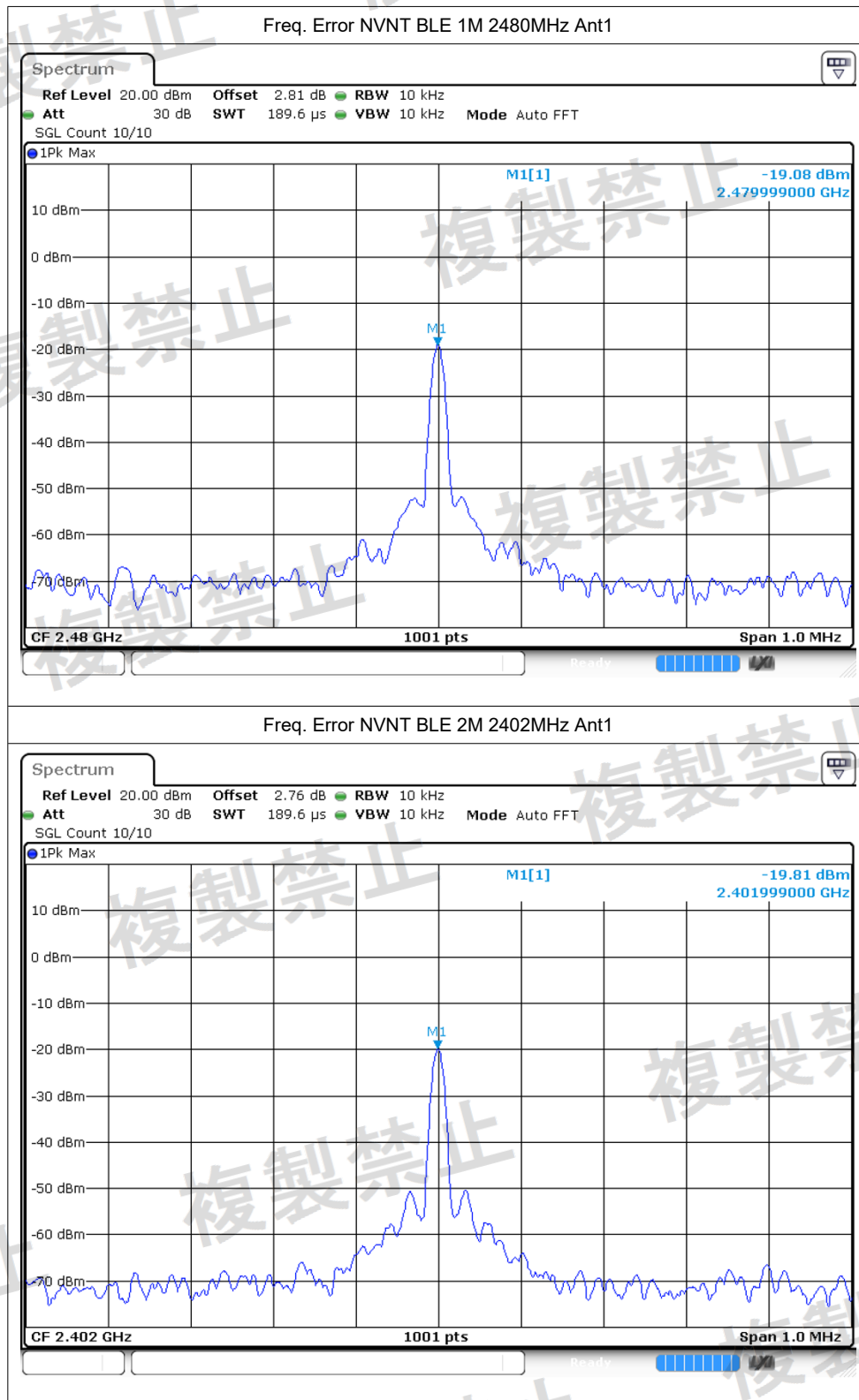


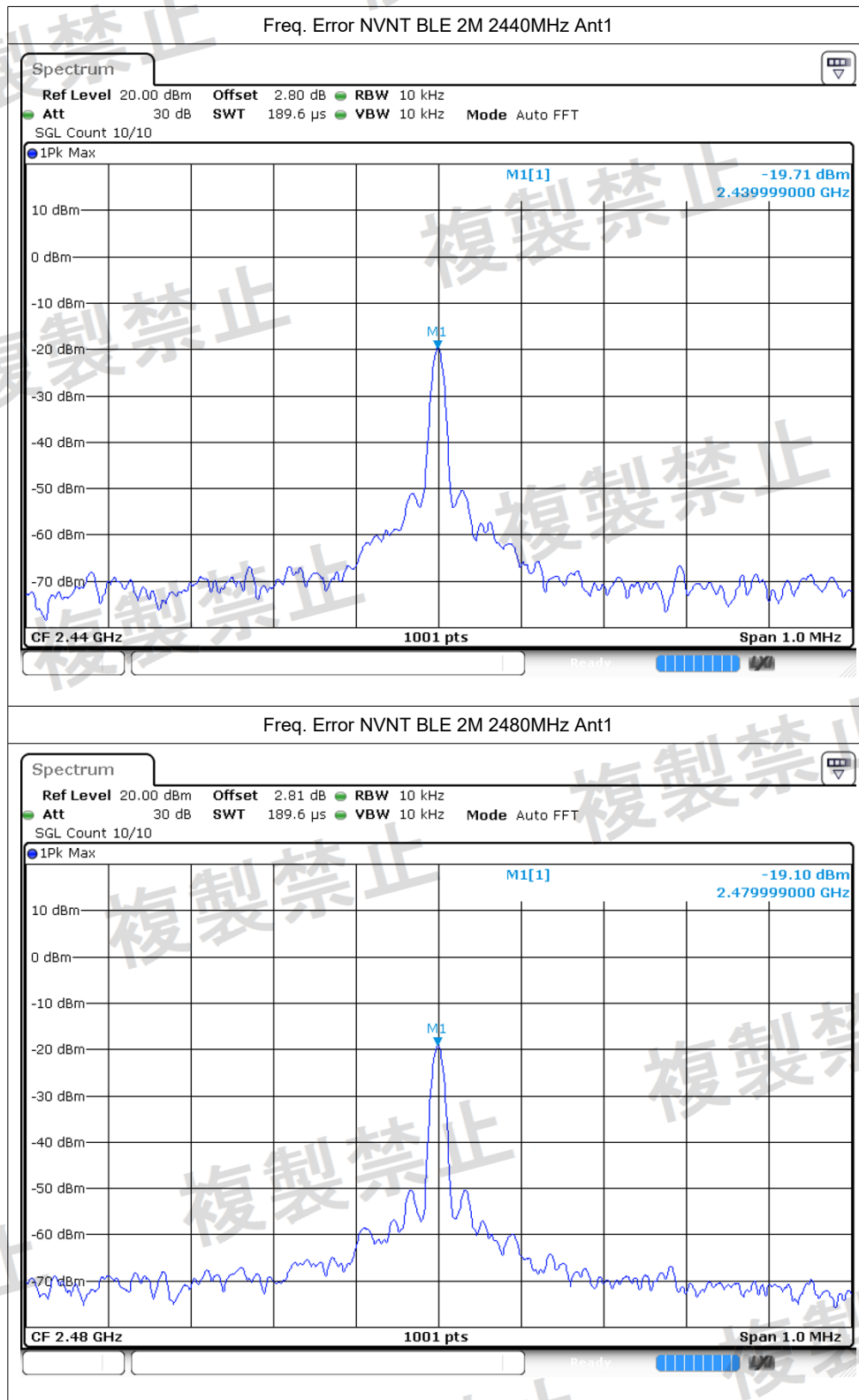
Appendix A

Frequency Error

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	BLE 1M	2402	Ant1	2401.999	-1000	-0.42	50	Pass
NVNT	BLE 1M	2440	Ant1	2439.999	-1000	-0.41	50	Pass
NVNT	BLE 1M	2480	Ant1	2479.999	-1000	-0.4	50	Pass
NVNT	BLE 2M	2402	Ant1	2401.999	-1000	-0.42	50	Pass
NVNT	BLE 2M	2440	Ant1	2439.999	-1000	-0.41	50	Pass
NVNT	BLE 2M	2480	Ant1	2479.999	-1000	-0.4	50	Pass





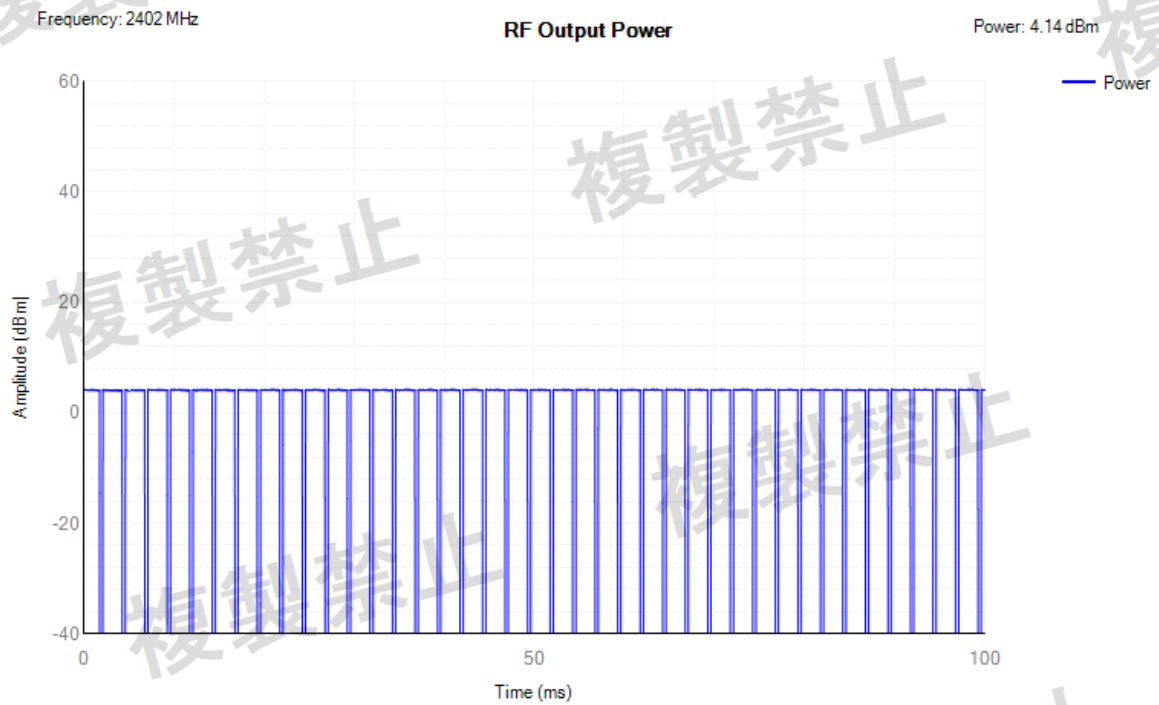


Antenna Power

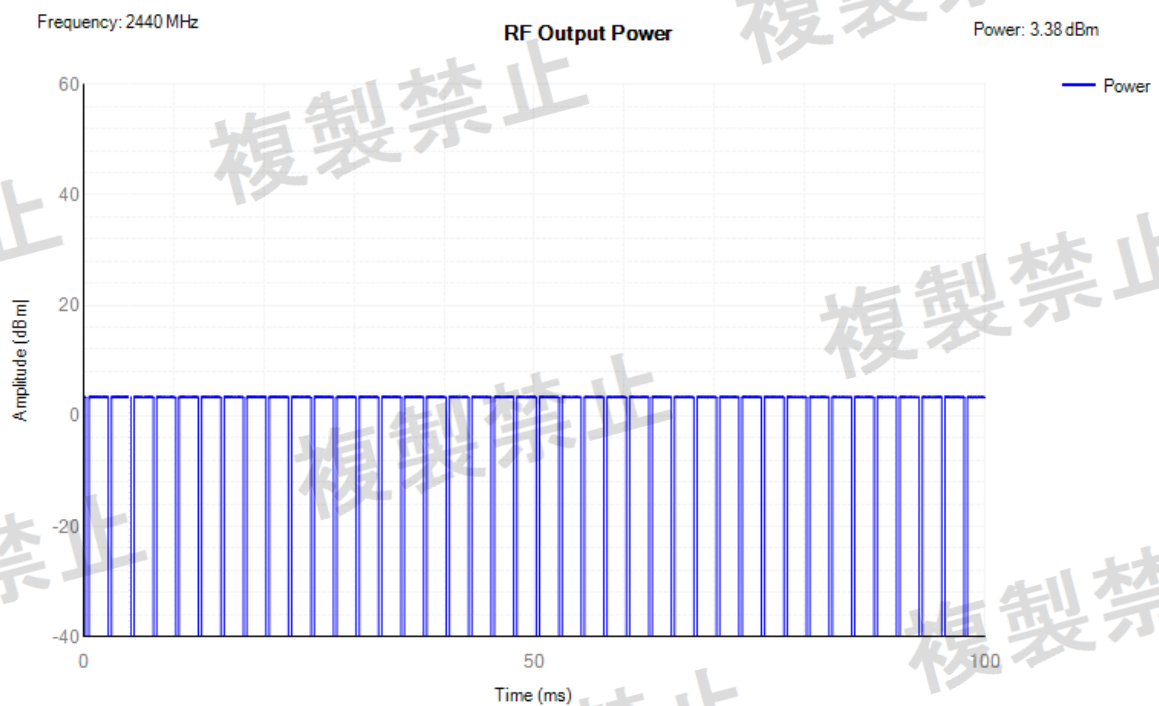
Condition	Mode	Frequency (MHz)	Antenna	Power (dBm)	Power (mW)	Limit (mW)	Declared Power (mW)	Tolerance (%)	Upper Limit (%)	Verdict
NVNT	BLE 1M	2402	Ant1	4.14	2.594	10	3	-13.53	20	Pass
NVNT	BLE 1M	2440	Ant1	3.38	2.178	10	3	-27.4	20	Pass
NVNT	BLE 1M	2480	Ant1	3.37	2.173	10	3	-27.57	20	Pass
NVNT	BLE 2M	2402	Ant1	3.68	2.333	10	3	-22.23	20	Pass
NVNT	BLE 2M	2440	Ant1	2.89	1.945	10	3	-35.17	20	Pass
NVNT	BLE 2M	2480	Ant1	2.95	1.972	10	3	-34.27	20	Pass

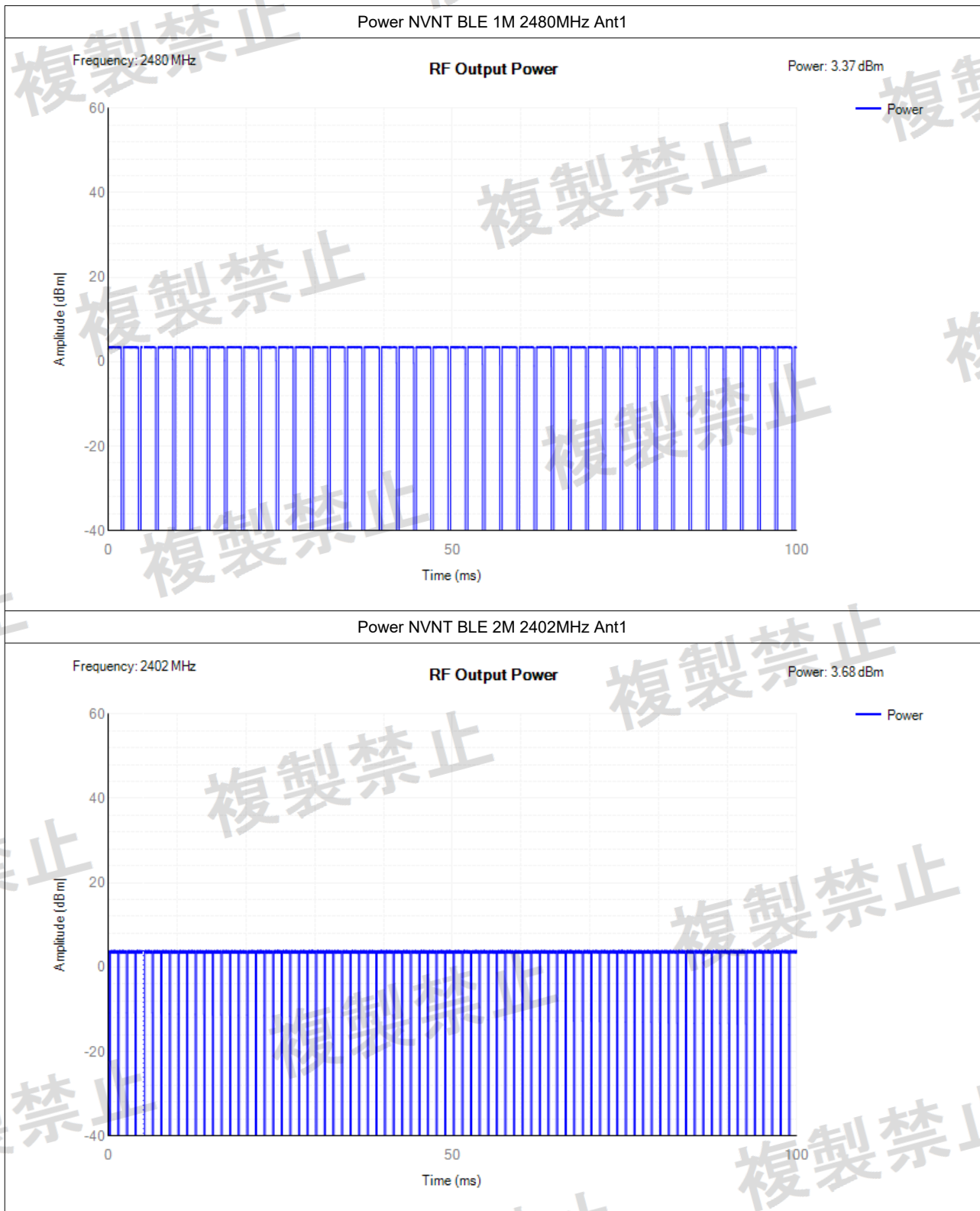
Test Graphs

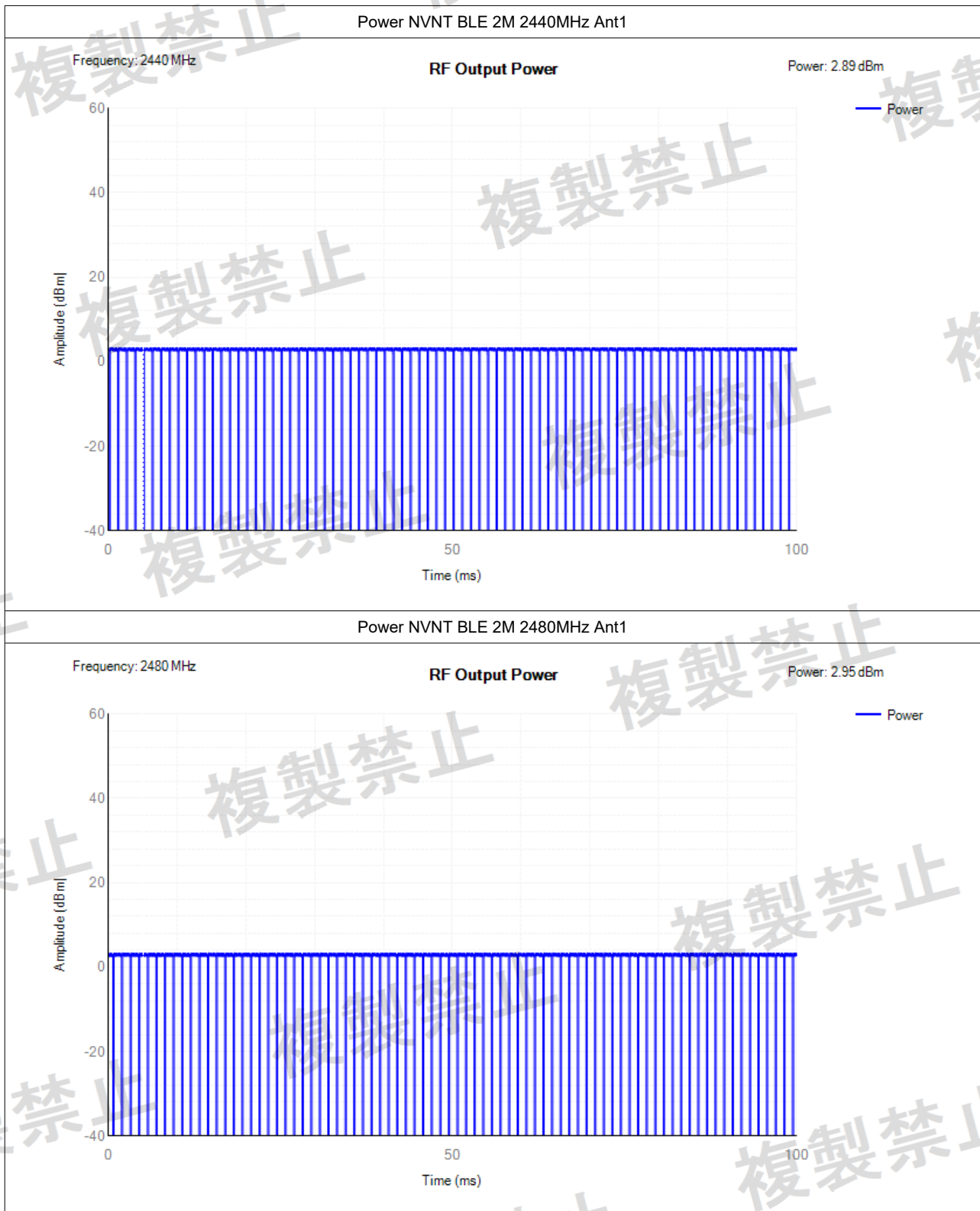
Power NVNT BLE 1M 2402MHz Ant1



Power NVNT BLE 1M 2440MHz Ant1





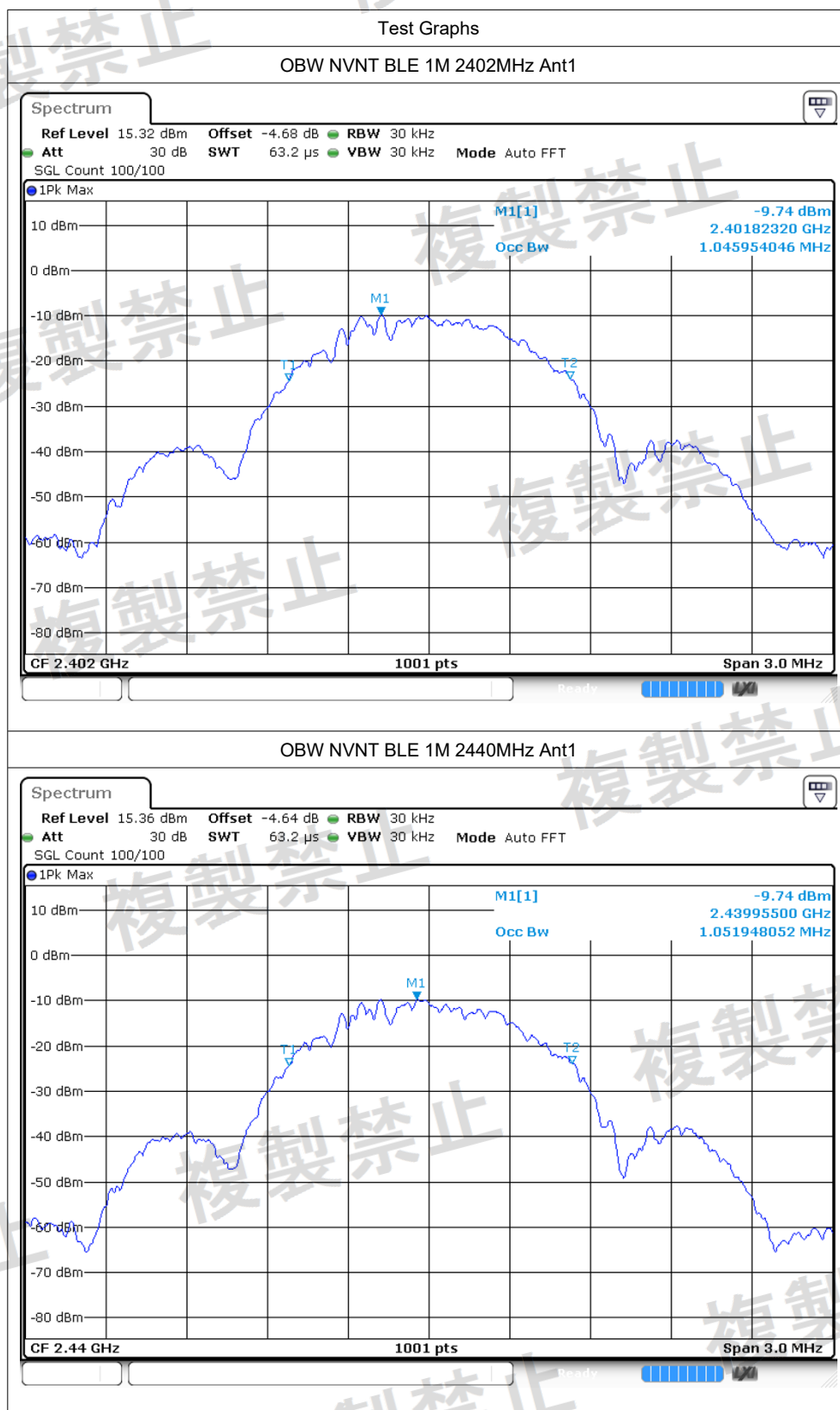


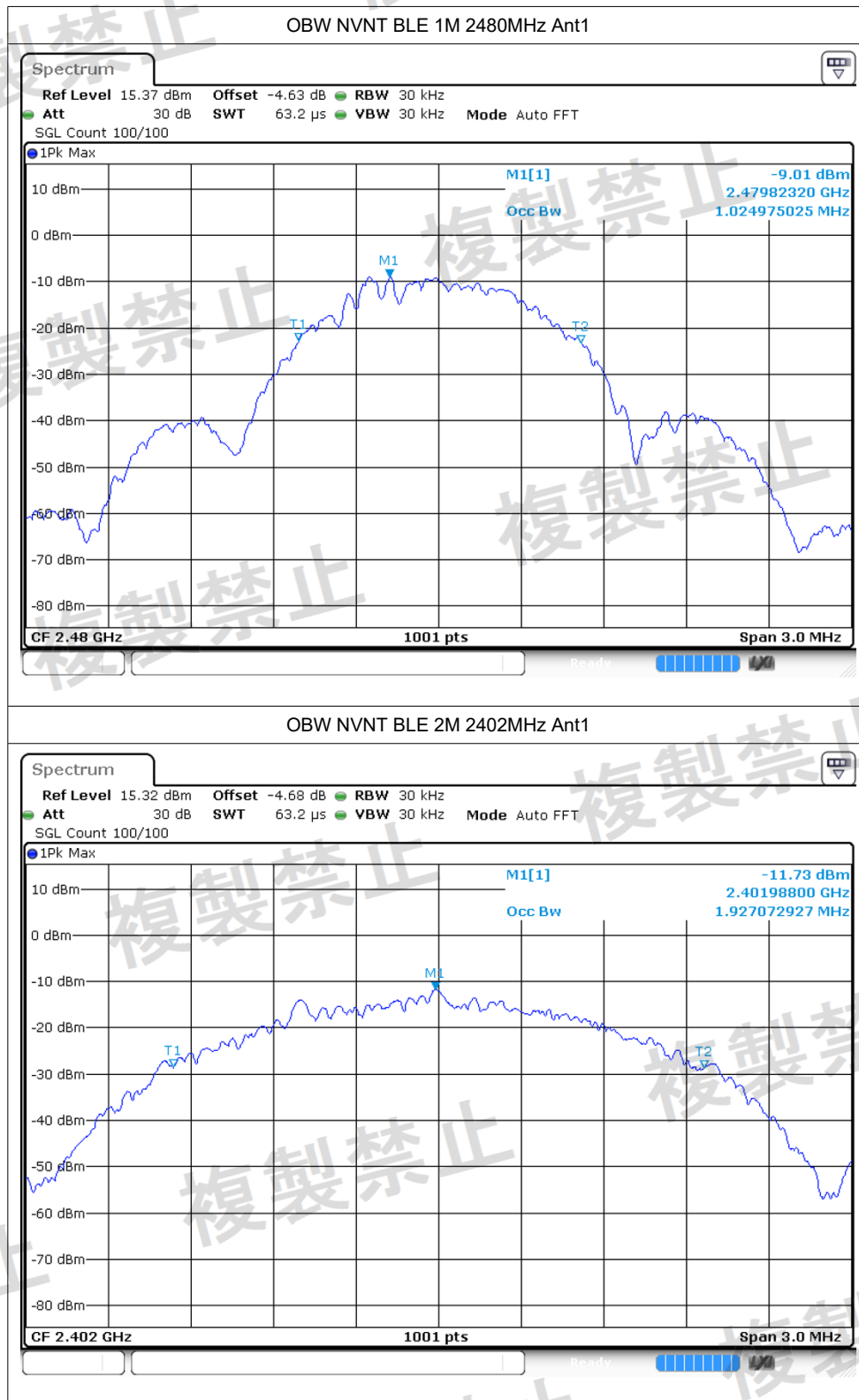
EIRP Power

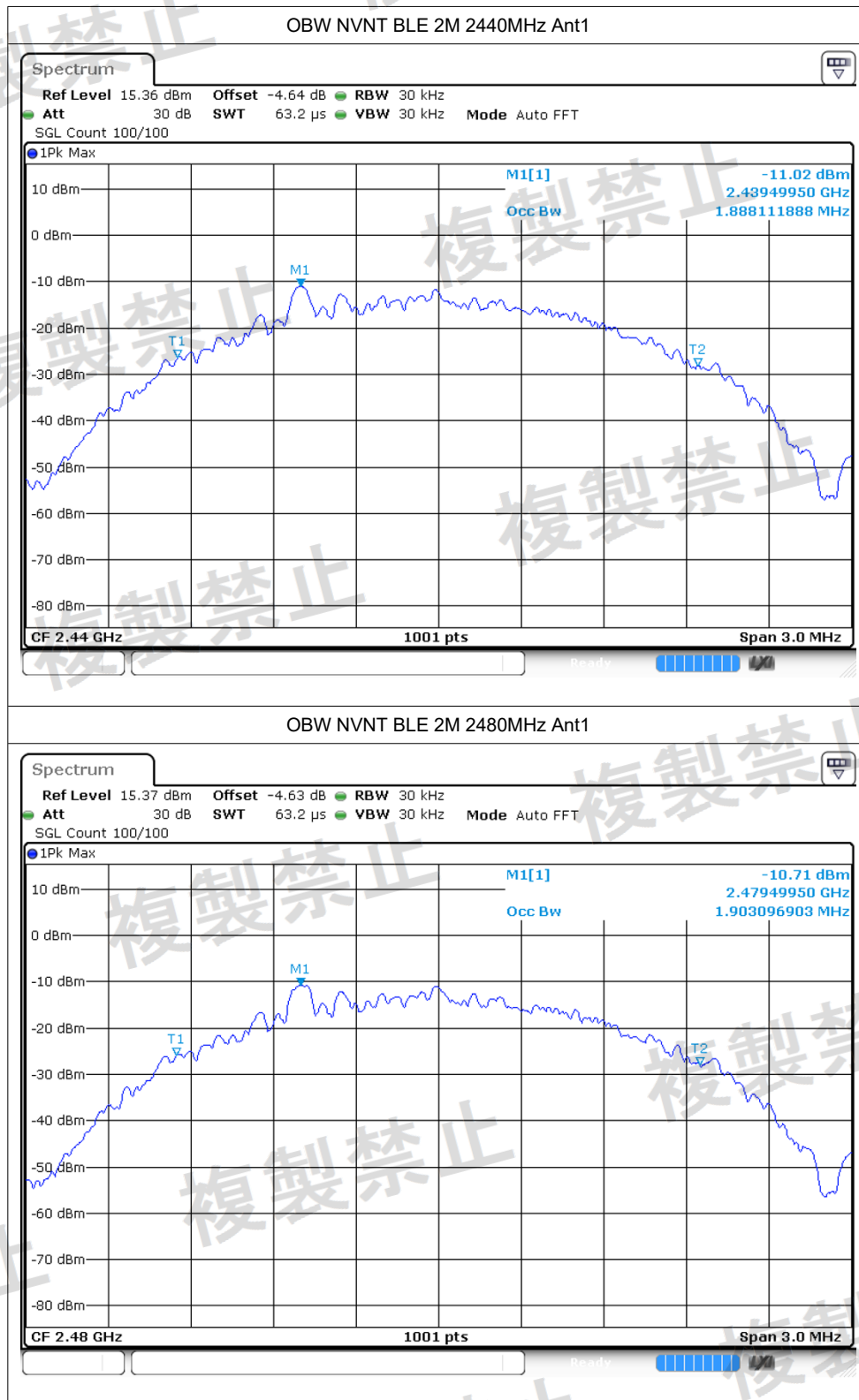
Condition	Mode	Frequency (MHz)	Antenna	Antenna Power (mW)	Antenna Power (dBm)	Gain (dBi)	EIRP Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	2.594	4.14	-7.44	-3.3	12.14	Pass
NVNT	BLE 1M	2440	Ant1	2.178	3.38	-7.44	-4.06	12.14	Pass
NVNT	BLE 1M	2480	Ant1	2.173	3.37	-7.44	-4.07	12.14	Pass
NVNT	BLE 2M	2402	Ant1	2.333	3.68	-7.44	-3.76	12.14	Pass
NVNT	BLE 2M	2440	Ant1	1.945	2.89	-7.44	-4.55	12.14	Pass
NVNT	BLE 2M	2480	Ant1	1.972	2.95	-7.44	-4.49	12.14	Pass

Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.046
NVNT	BLE 1M	2440	Ant1	1.052
NVNT	BLE 1M	2480	Ant1	1.025
NVNT	BLE 2M	2402	Ant1	1.927
NVNT	BLE 2M	2440	Ant1	1.888
NVNT	BLE 2M	2480	Ant1	1.903

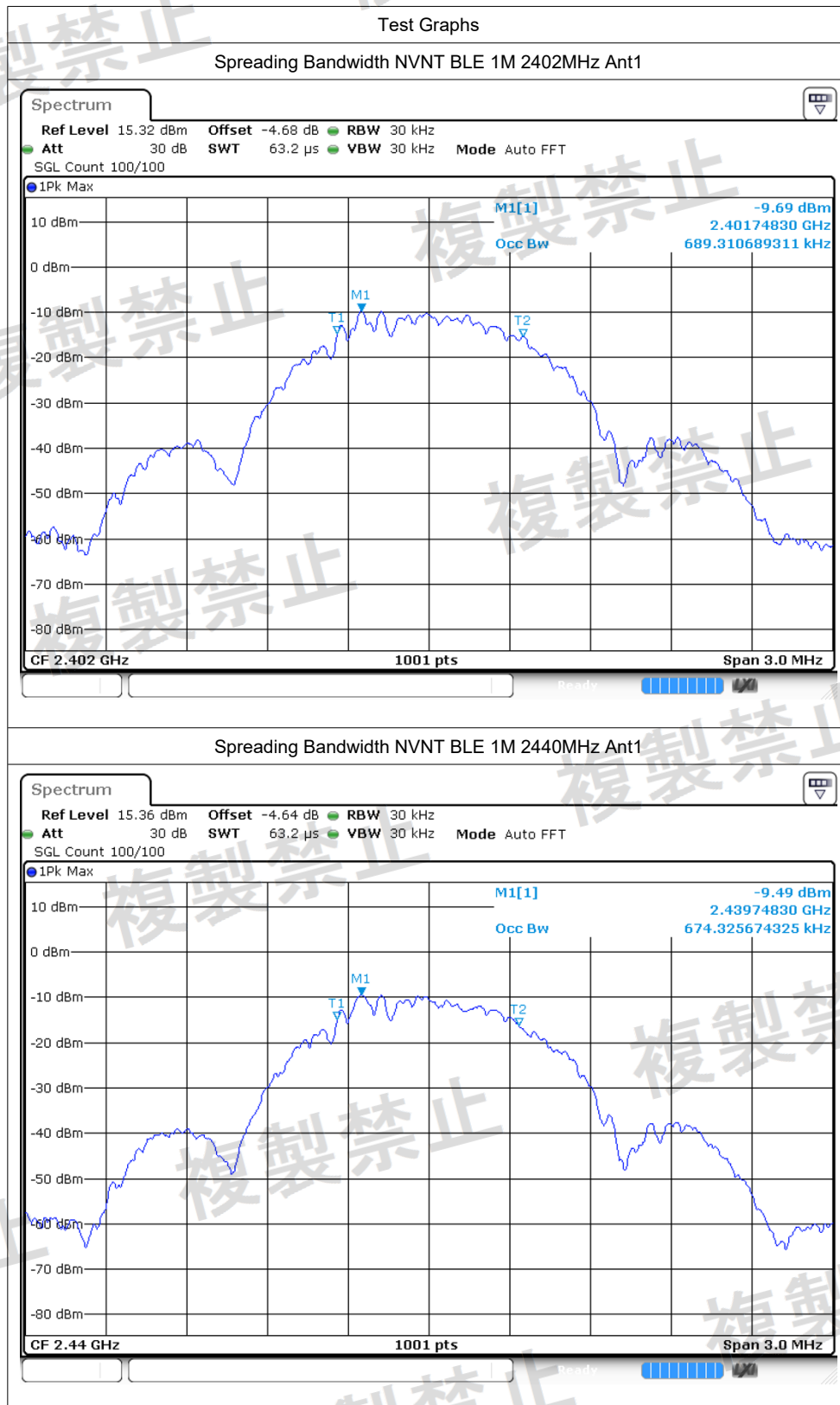


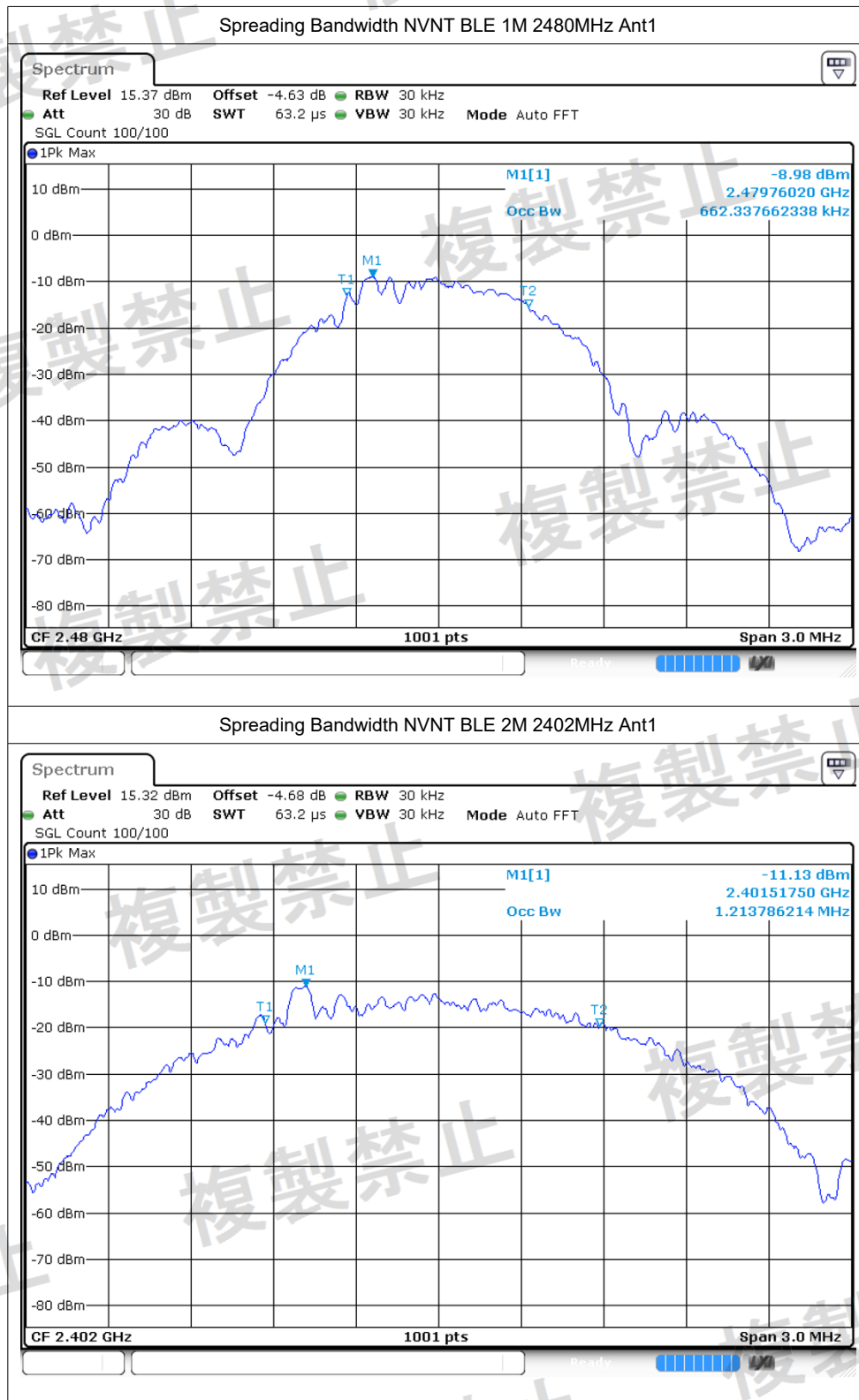


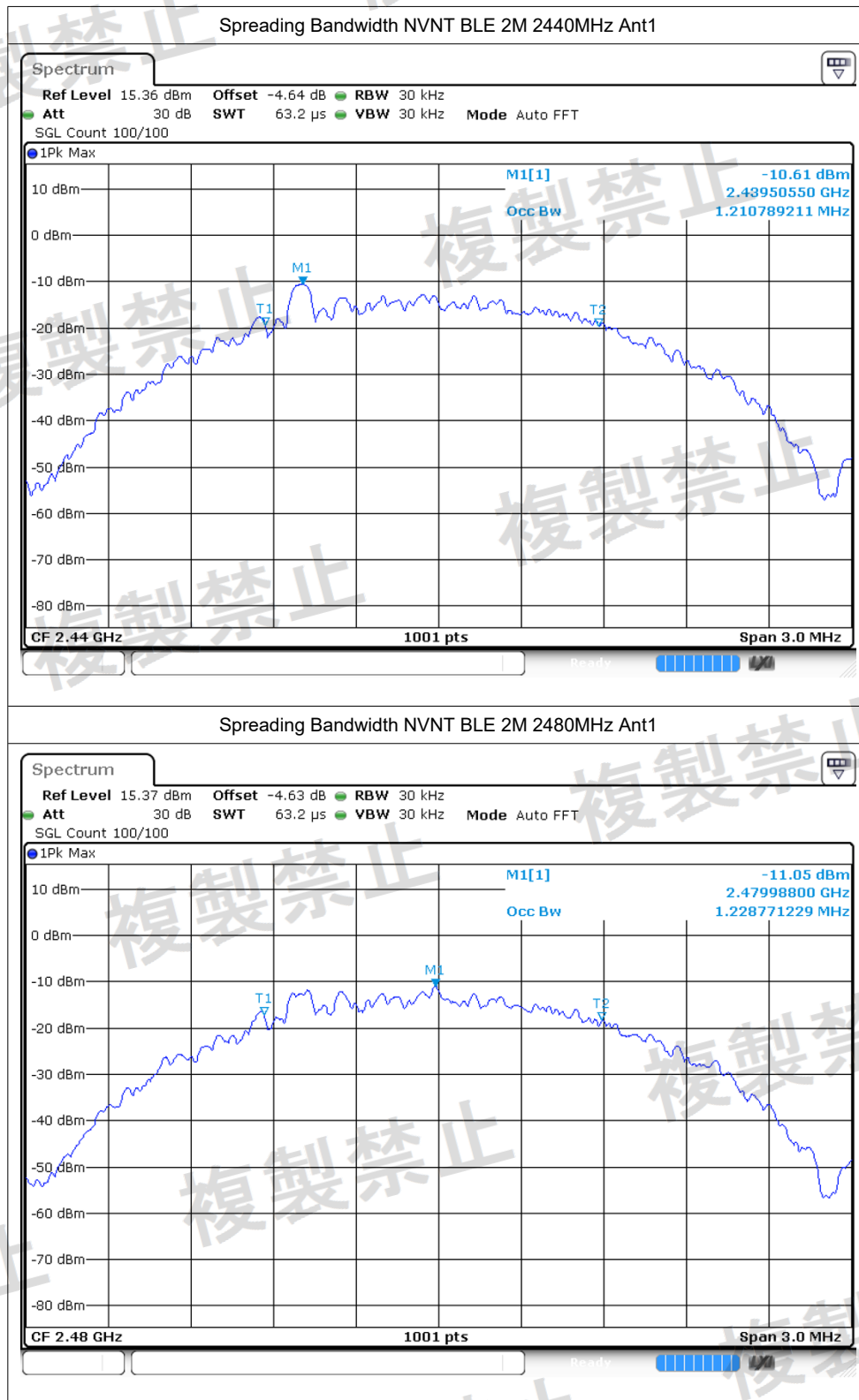


Spreading Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	90% OBW (MHz)	Limit (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.689	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.674	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.662	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.214	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.211	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.229	0.5	Pass





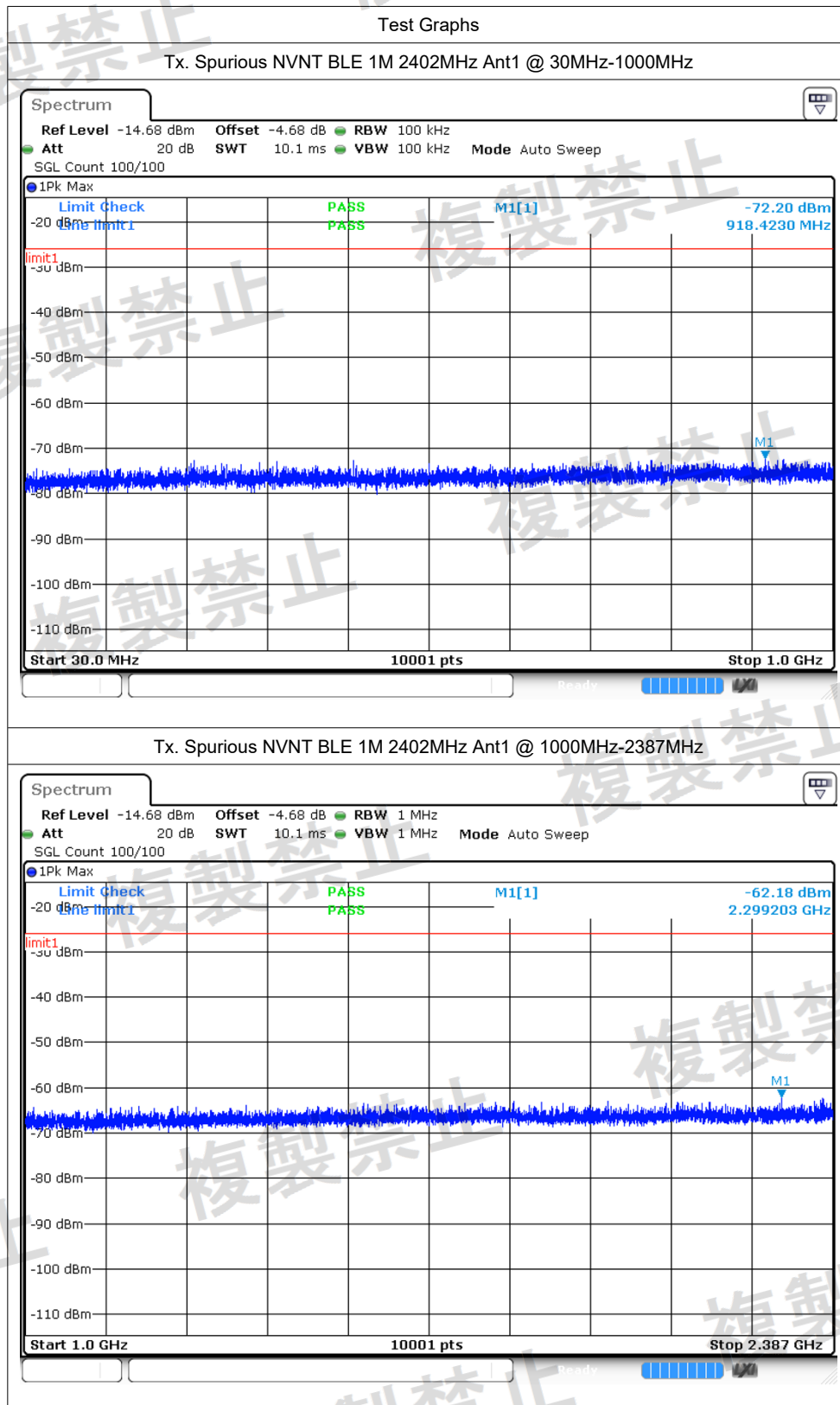


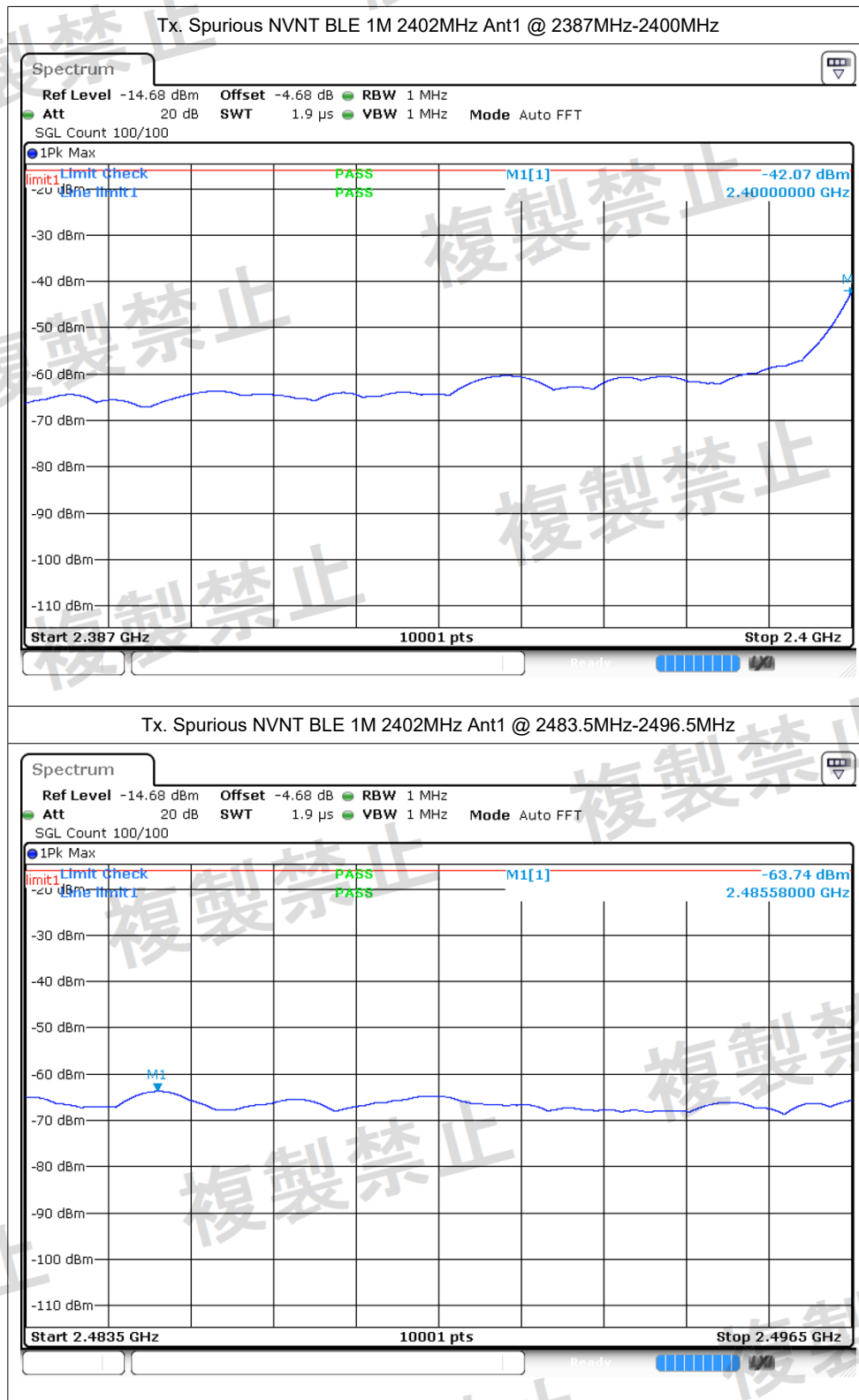
Tx Spurious Emission

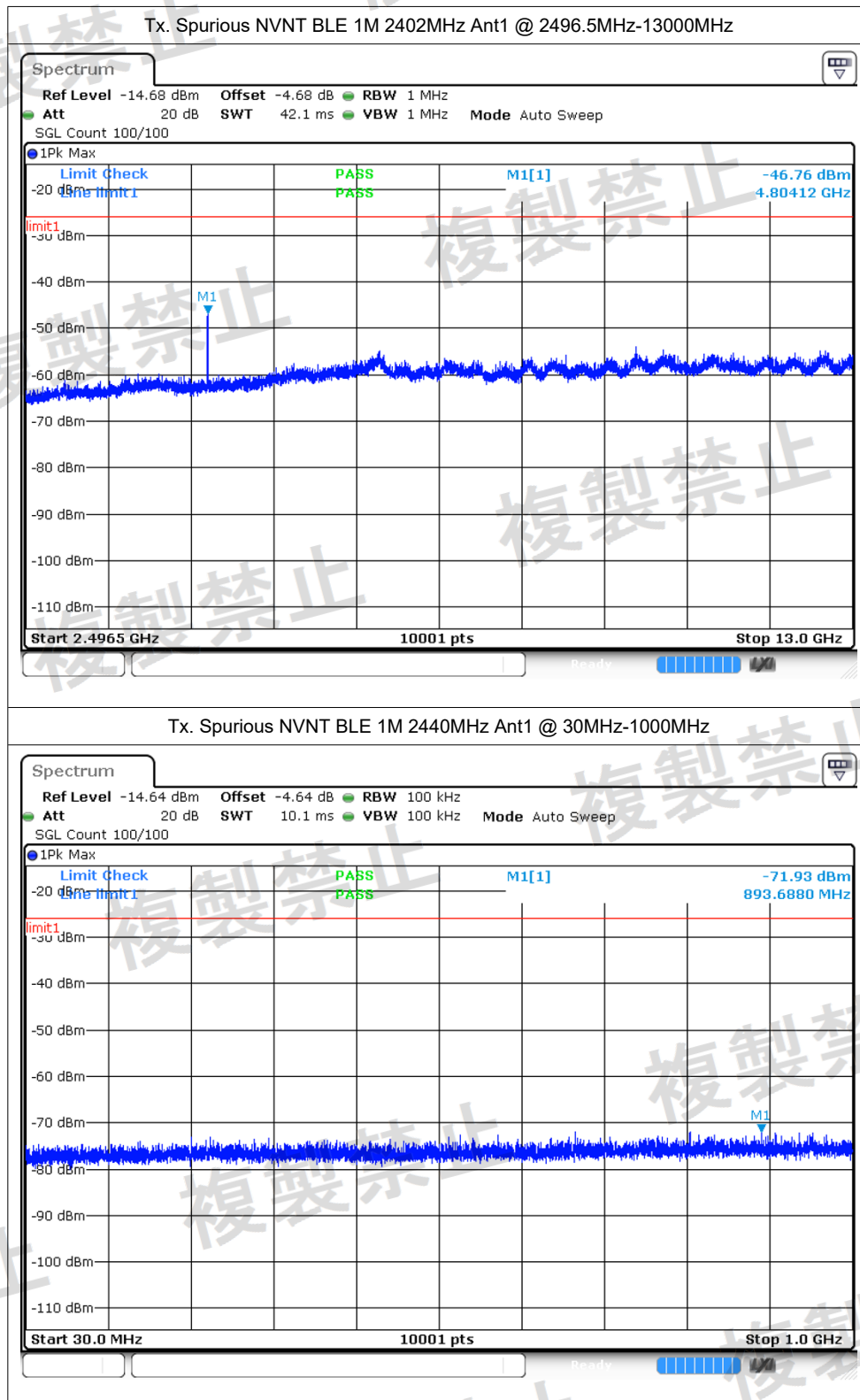
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Peak Value (dBm)	Max RMS Value (dBm)	Max Peak Value (uW)	Max RMS Value (uW)	Limit Start(uW)	Limit Stop (uW)	Verdict
NVNT	BLE 1M	2402	Ant1	30-1000	918.42	-62.19	NA	0.0006	NA	2.5	2.5	Pass
NVNT	BLE 1M	2402	Ant1	1000-2387	2299.20	-62.18	NA	0.0006	NA	2.5	2.5	Pass
NVNT	BLE 1M	2402	Ant1	2387-2400	2400.00	-42.07	NA	0.0621	NA	25	25	Pass
NVNT	BLE 1M	2402	Ant1	2483.5-2496.5	2485.58	-63.73	NA	0.0004	NA	25	25	Pass
NVNT	BLE 1M	2402	Ant1	2496.5-13000	4804.12	-46.76	NA	0.0211	NA	2.5	2.5	Pass
NVNT	BLE 1M	2440	Ant1	30-1000	893.69	-61.92	NA	0.0006	NA	2.5	2.5	Pass
NVNT	BLE 1M	2440	Ant1	1000-2387	2183.39	-62.29	NA	0.0006	NA	2.5	2.5	Pass
NVNT	BLE 1M	2440	Ant1	2387-2400	2388.51	-64.51	NA	0.0004	NA	25	25	Pass
NVNT	BLE 1M	2440	Ant1	2483.5-2496.5	2485.65	-63.81	NA	0.0004	NA	25	25	Pass
NVNT	BLE 1M	2440	Ant1	2496.5-13000	4879.74	-48.15	NA	0.0153	NA	2.5	2.5	Pass
NVNT	BLE 1M	2480	Ant1	30-1000	974.30	-62.10	NA	0.0006	NA	2.5	2.5	Pass
NVNT	BLE 1M	2480	Ant1	1000-2387	2322.78	-62.67	NA	0.0005	NA	2.5	2.5	Pass
NVNT	BLE 1M	2480	Ant1	2387-2400	2391.95	-65.04	NA	0.0003	NA	25	25	Pass
NVNT	BLE 1M	2480	Ant1	2483.5-2496.5	2483.50	-60.75	NA	0.0008	NA	25	25	Pass
NVNT	BLE 1M	2480	Ant1	2496.5-13000	2531.16	-46.51	NA	0.0223	NA	2.5	2.5	Pass
NVNT	BLE 2M	2402	Ant1	30-1000	904.07	-61.92	NA	0.0006	NA	2.5	2.5	Pass
NVNT	BLE 2M	2402	Ant1	1000-2387	1990.87	-63.11	NA	0.0005	NA	2.5	2.5	Pass
NVNT	BLE 2M	2402	Ant1	2387-2400	2400.00	-31.18	NA	0.7621	NA	25	25	Pass
NVNT	BLE 2M	2402	Ant1	2483.5-2496.5	2486.24	-63.74	NA	0.0004	NA	25	25	Pass

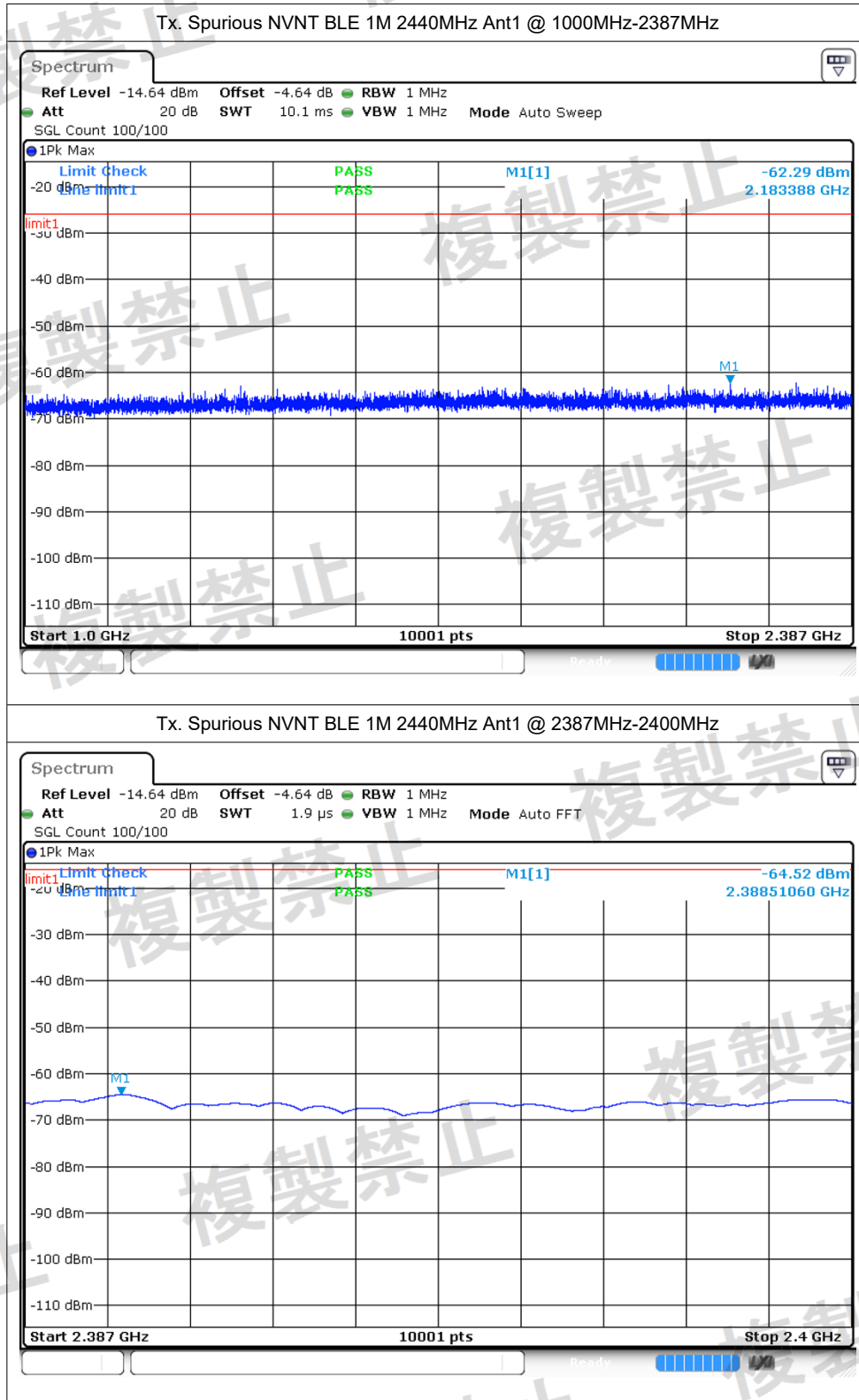


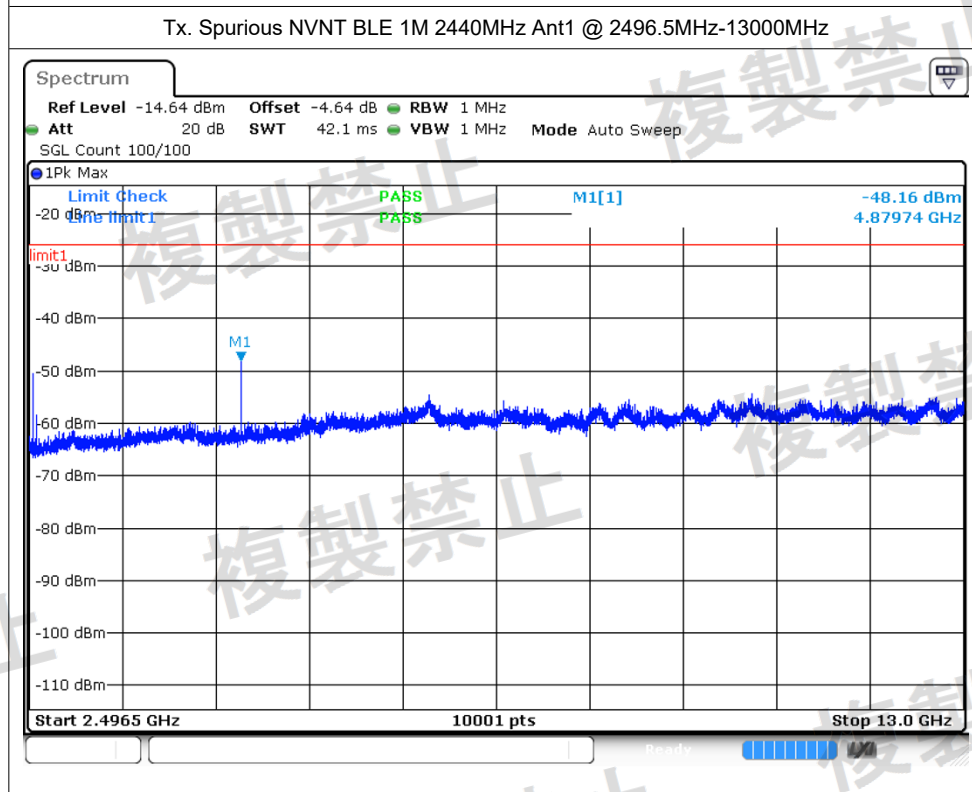
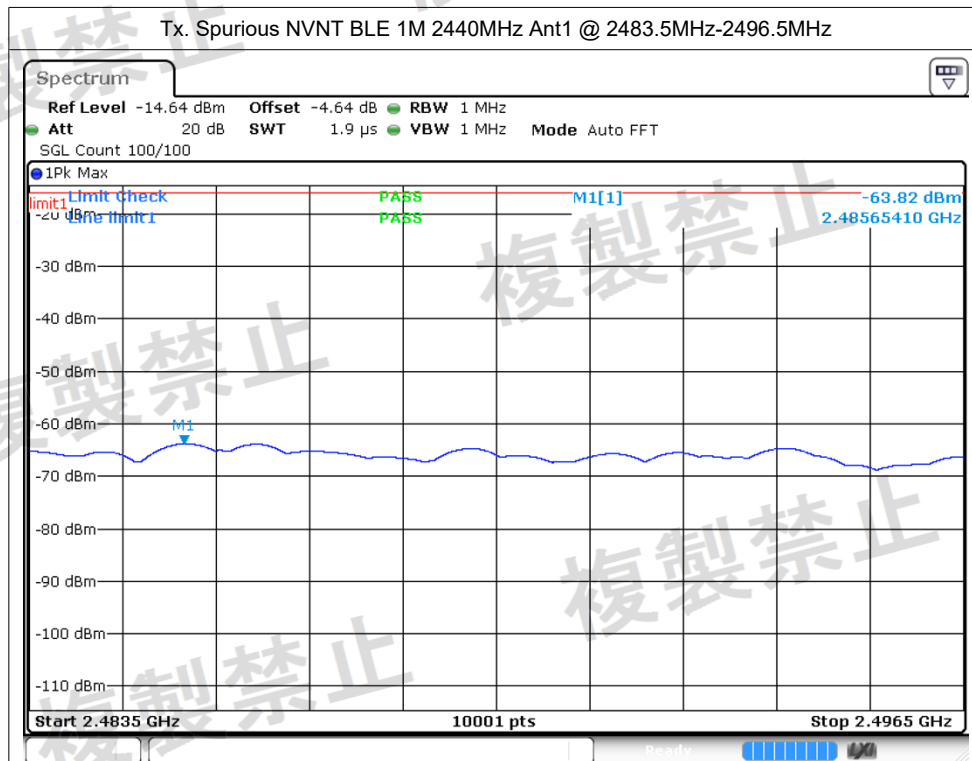
NVNT	BLE 2M	2402	Ant1	2496.5-13000	4805.17	-48.41	NA	0.0144	NA	2.5	2.5	Pass
NVNT	BLE 2M	2440	Ant1	30-1000	851.59	-61.41	NA	0.0007	NA	2.5	2.5	Pass
NVNT	BLE 2M	2440	Ant1	1000-2387	2115.98	-62.07	NA	0.0006	NA	2.5	2.5	Pass
NVNT	BLE 2M	2440	Ant1	2387-2400	2390.24	-63.88	NA	0.0004	NA	25	25	Pass
NVNT	BLE 2M	2440	Ant1	2483.5-2496.5	2488.71	-63.14	NA	0.0005	NA	25	25	Pass
NVNT	BLE 2M	2440	Ant1	2496.5-13000	4879.74	-49.29	NA	0.0118	NA	2.5	2.5	Pass
NVNT	BLE 2M	2480	Ant1	30-1000	948.10	-61.58	NA	0.0007	NA	2.5	2.5	Pass
NVNT	BLE 2M	2480	Ant1	1000-2387	2303.50	-62.95	NA	0.0005	NA	2.5	2.5	Pass
NVNT	BLE 2M	2480	Ant1	2387-2400	2388.83	-65.17	NA	0.0003	NA	25	25	Pass
NVNT	BLE 2M	2480	Ant1	2483.5-2496.5	2483.50	-59.37	NA	0.0012	NA	25	25	Pass
NVNT	BLE 2M	2480	Ant1	2496.5-13000	4959.57	-51.19	NA	0.0076	NA	2.5	2.5	Pass

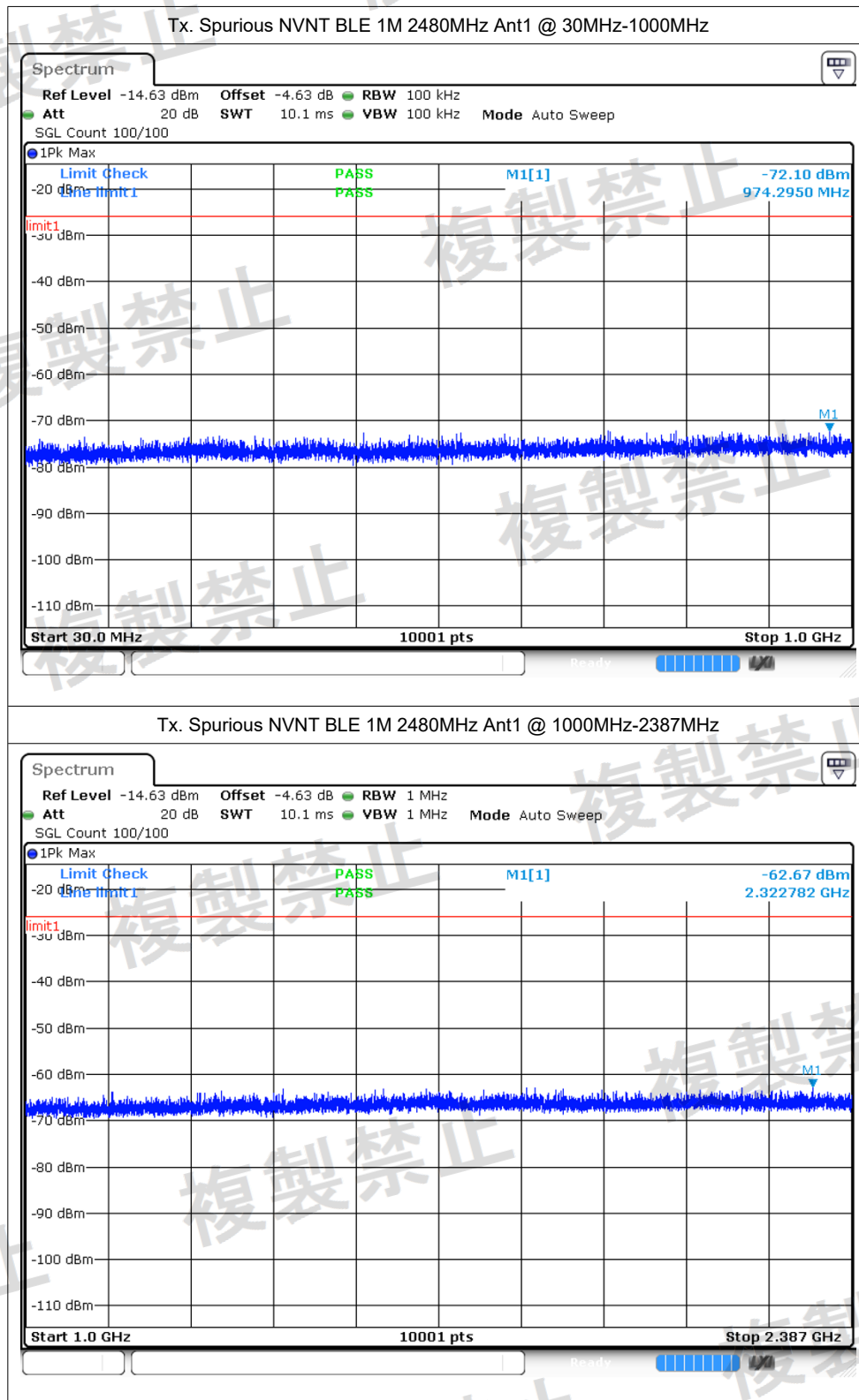


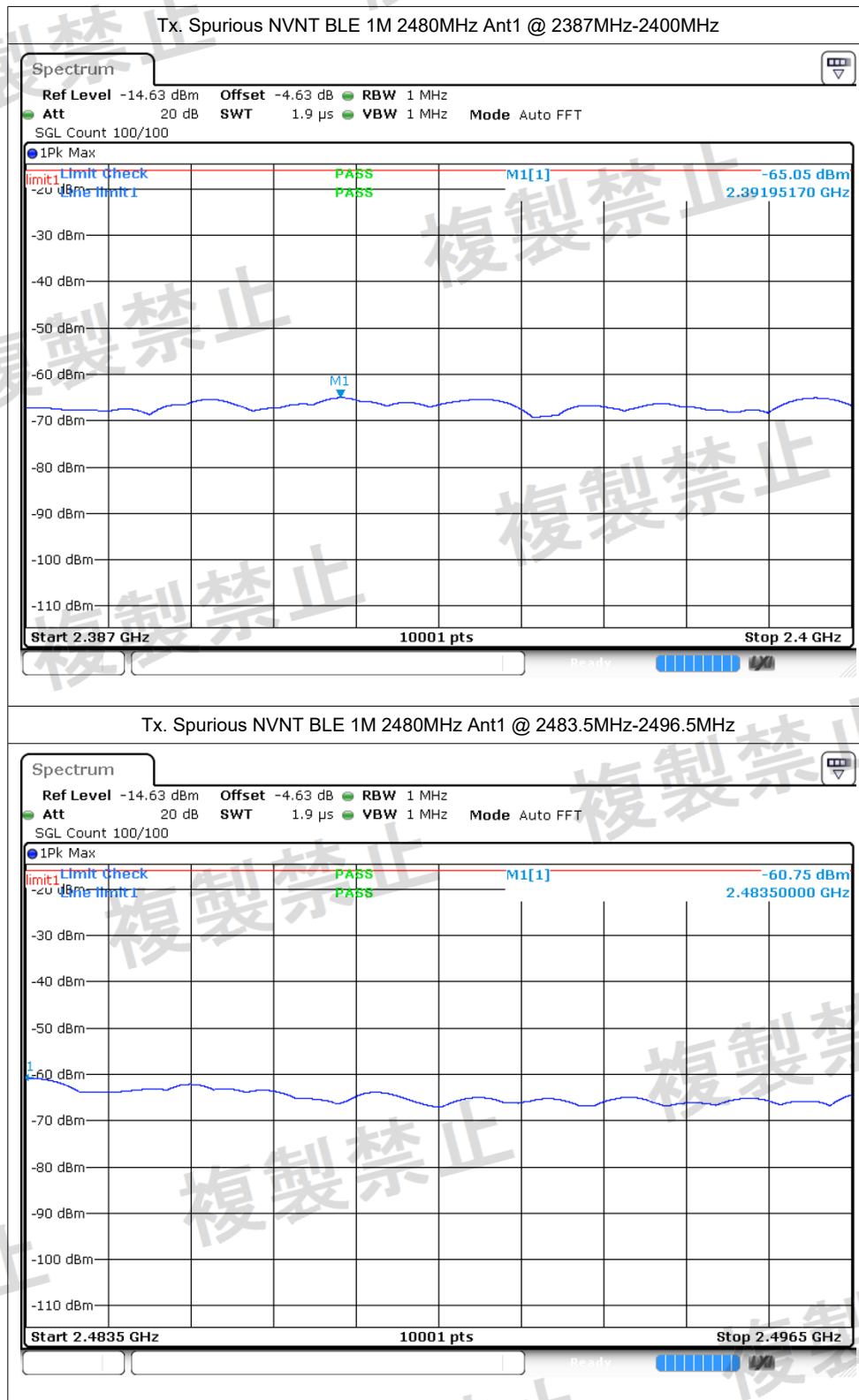


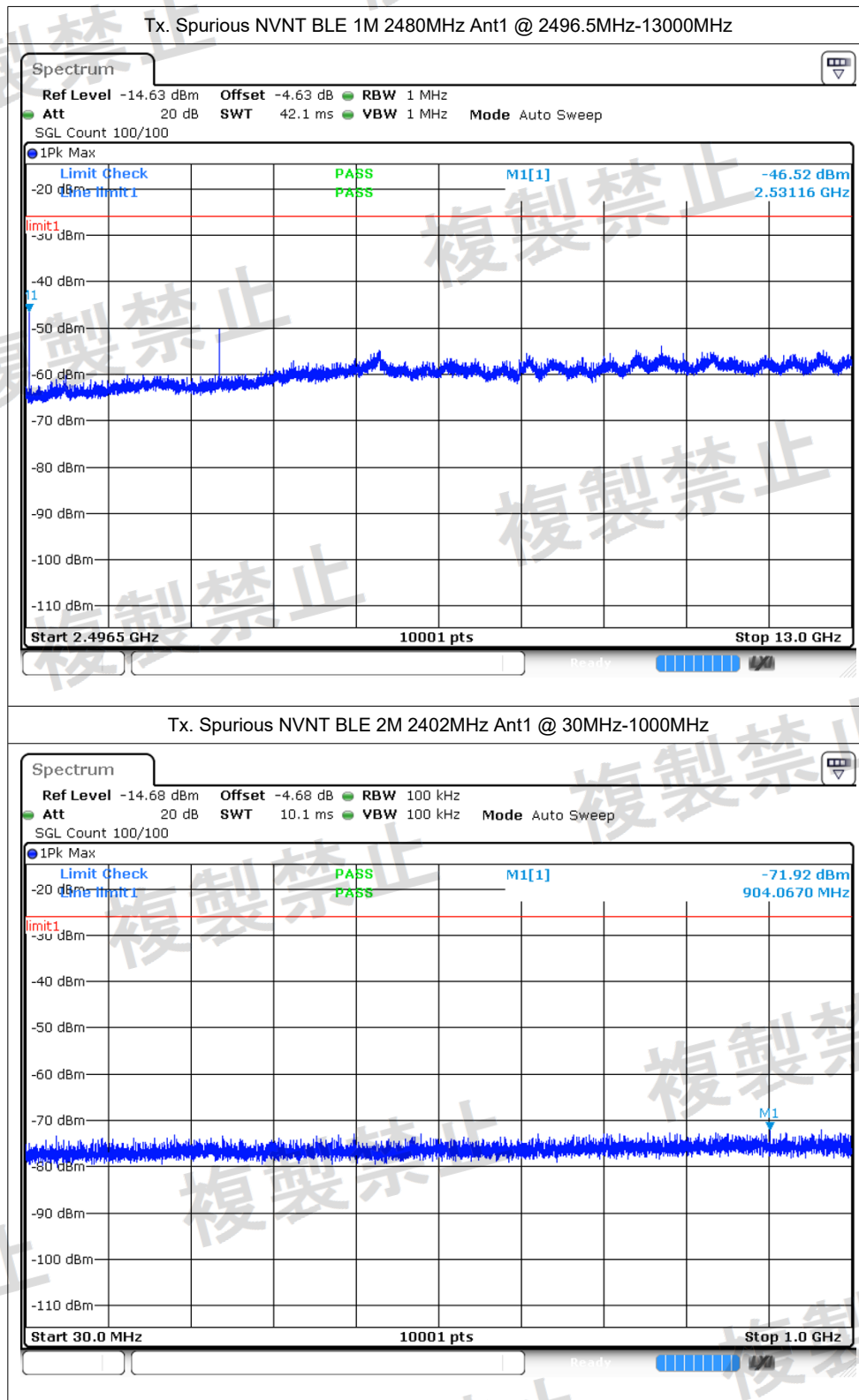


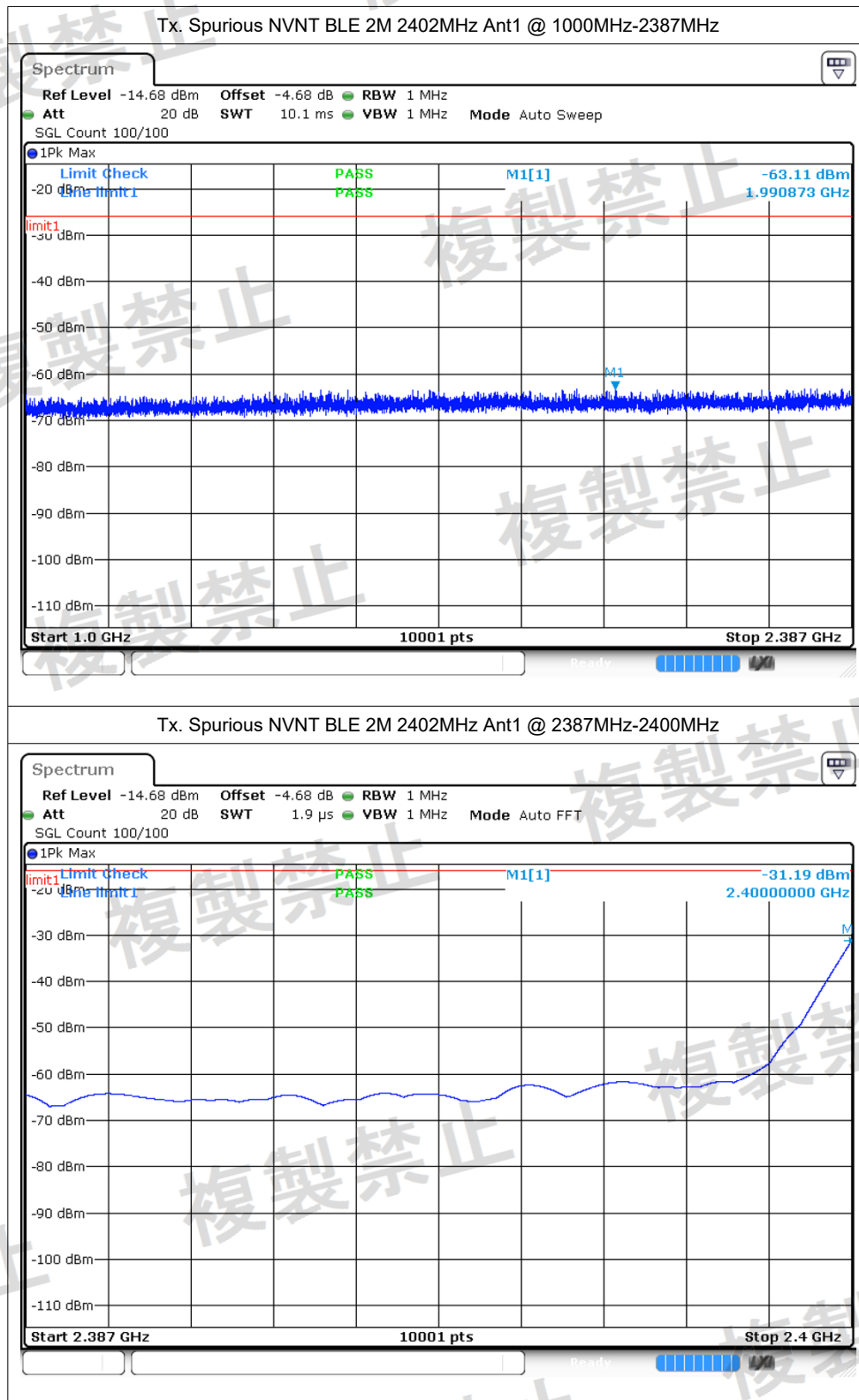


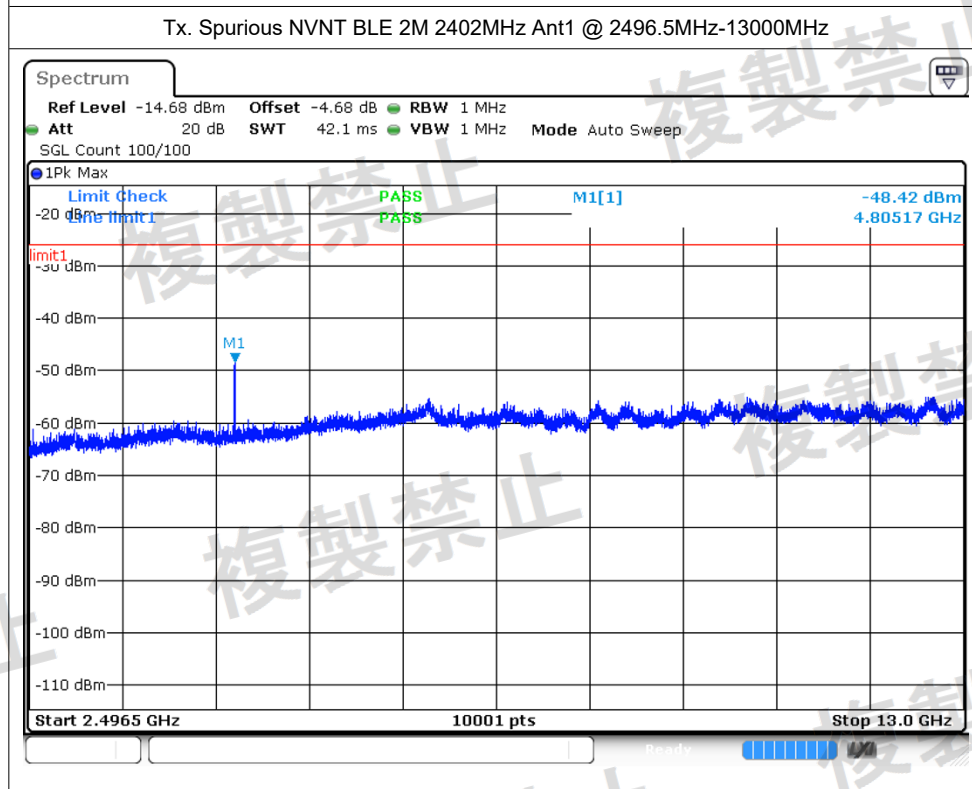
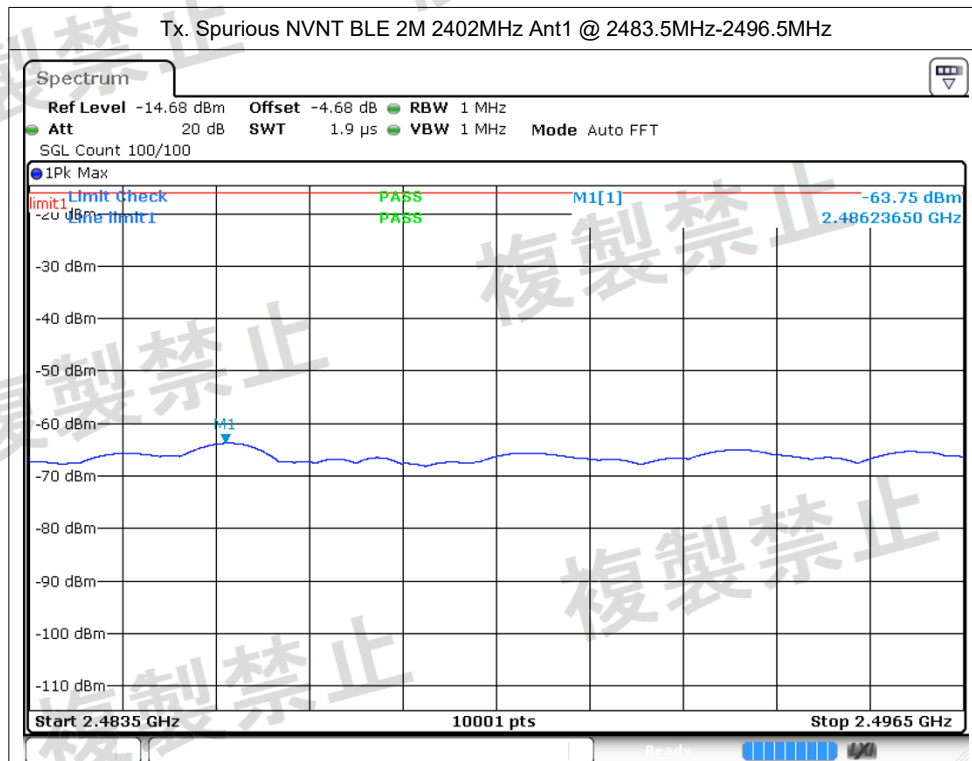


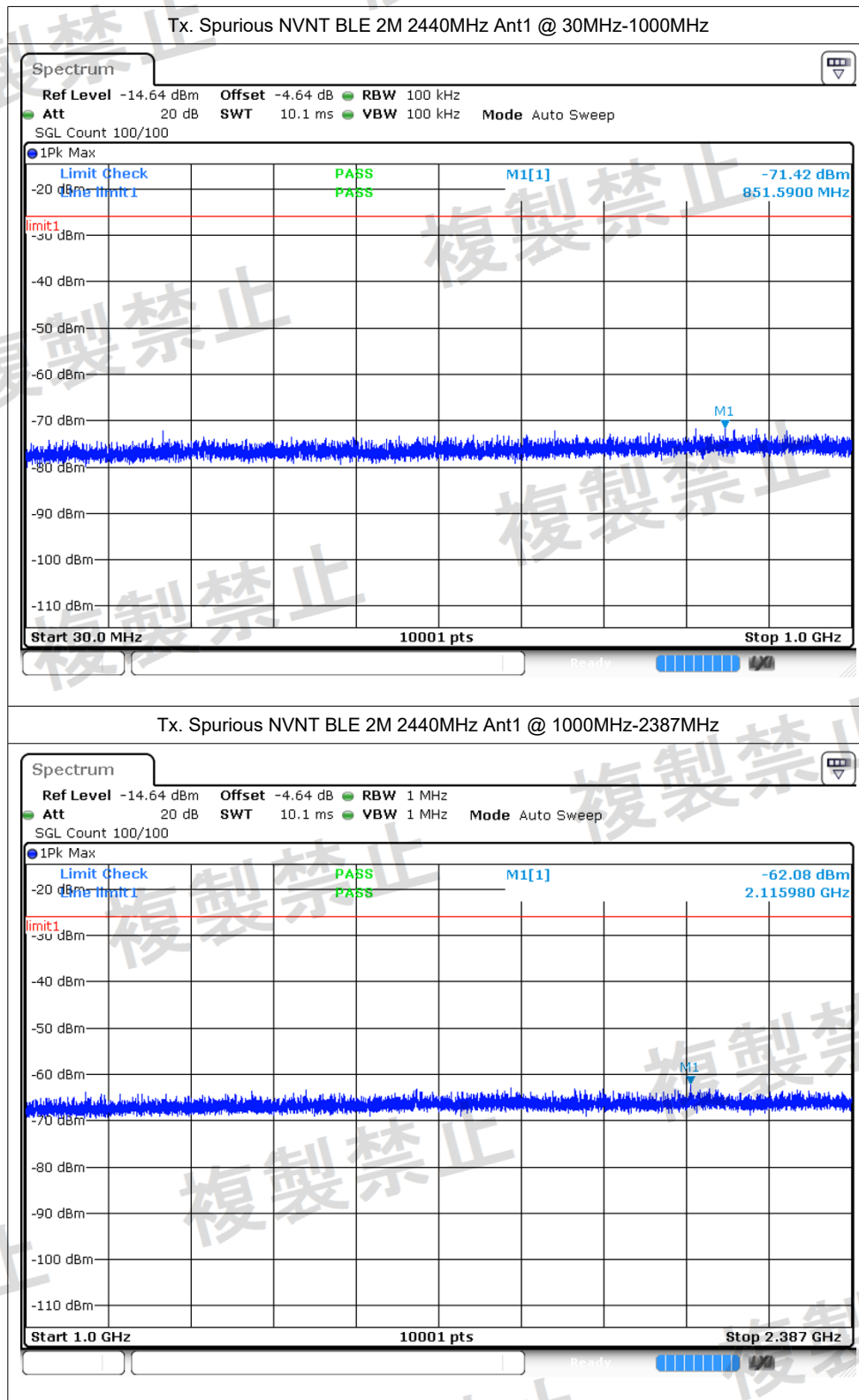


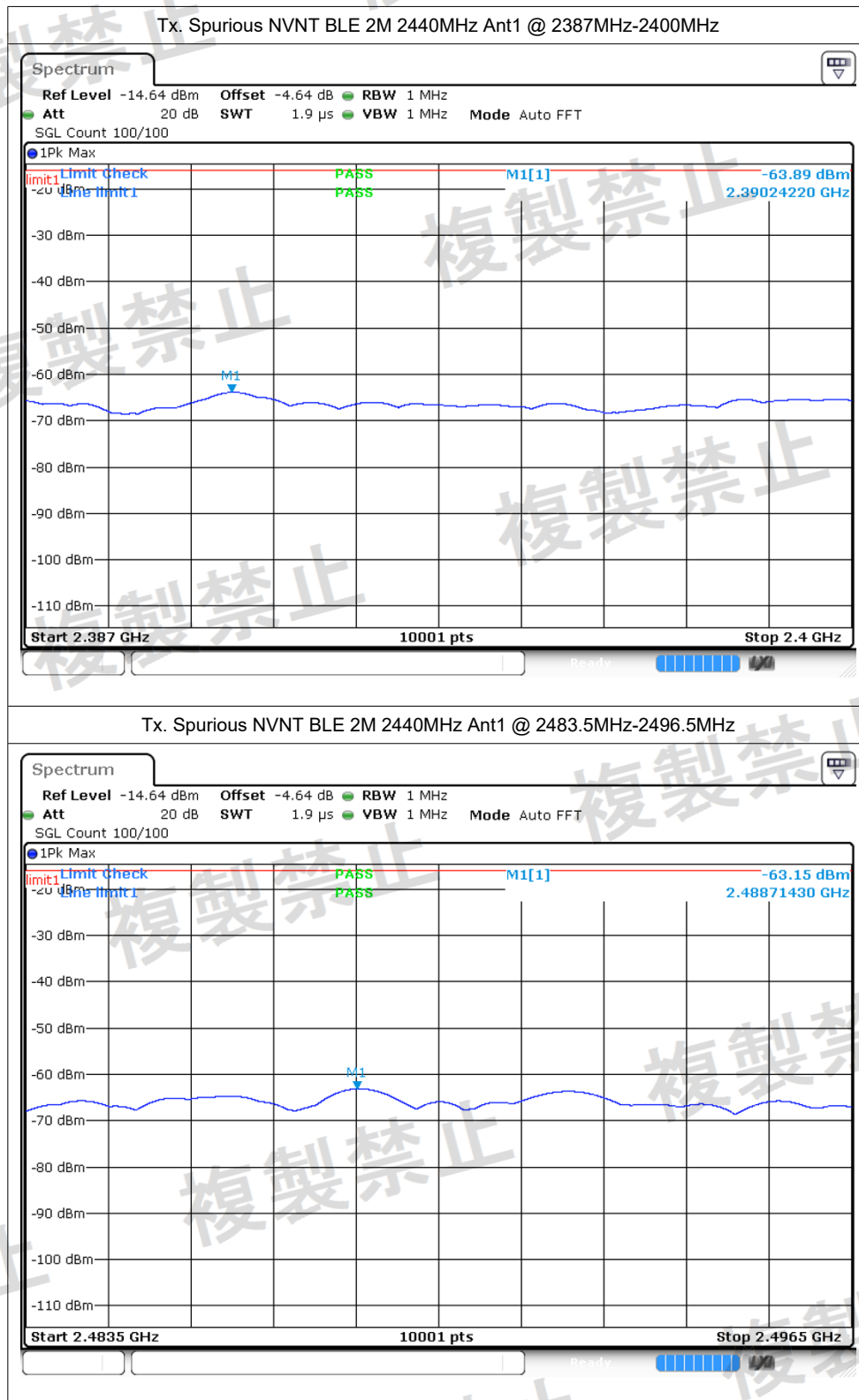


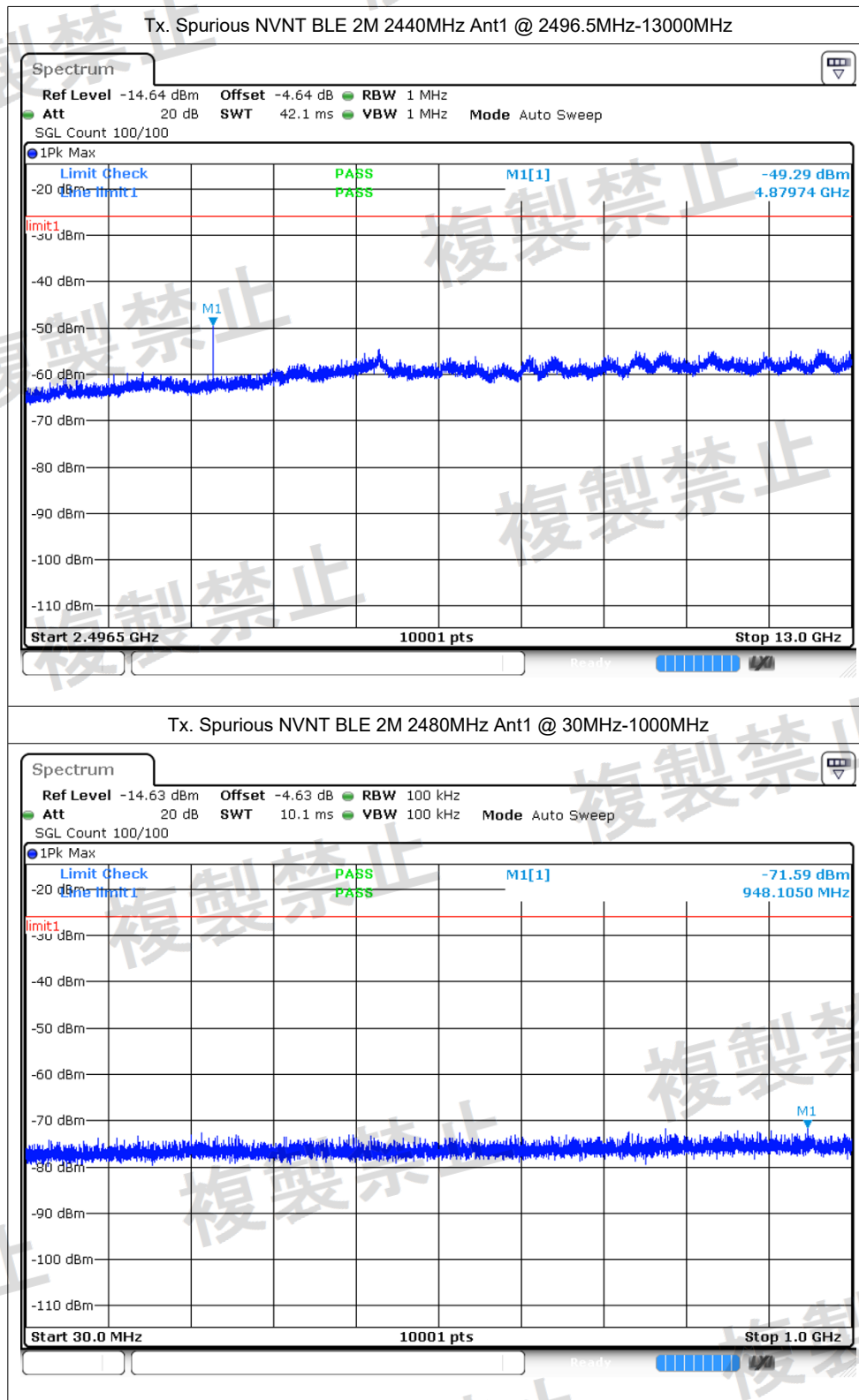


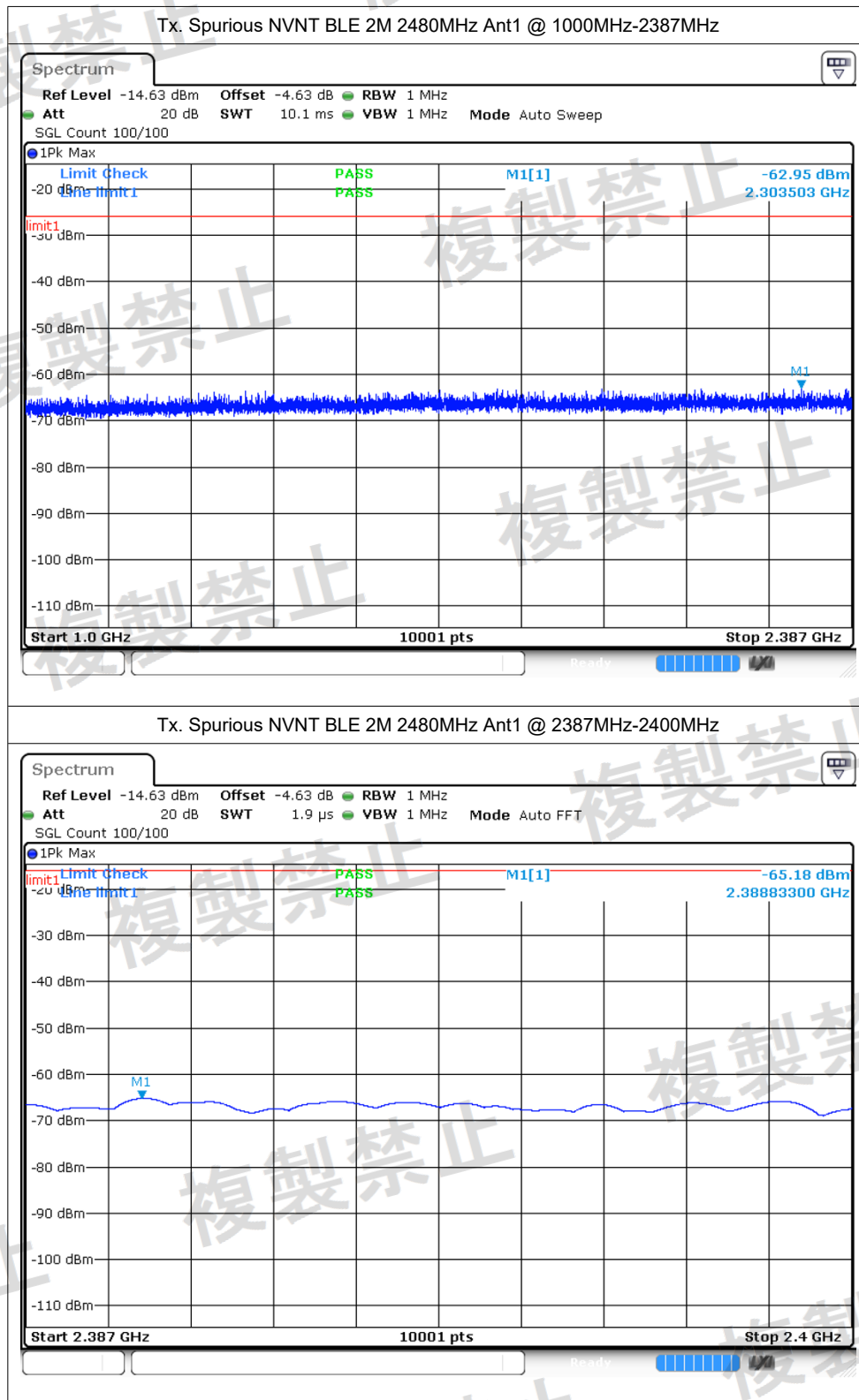


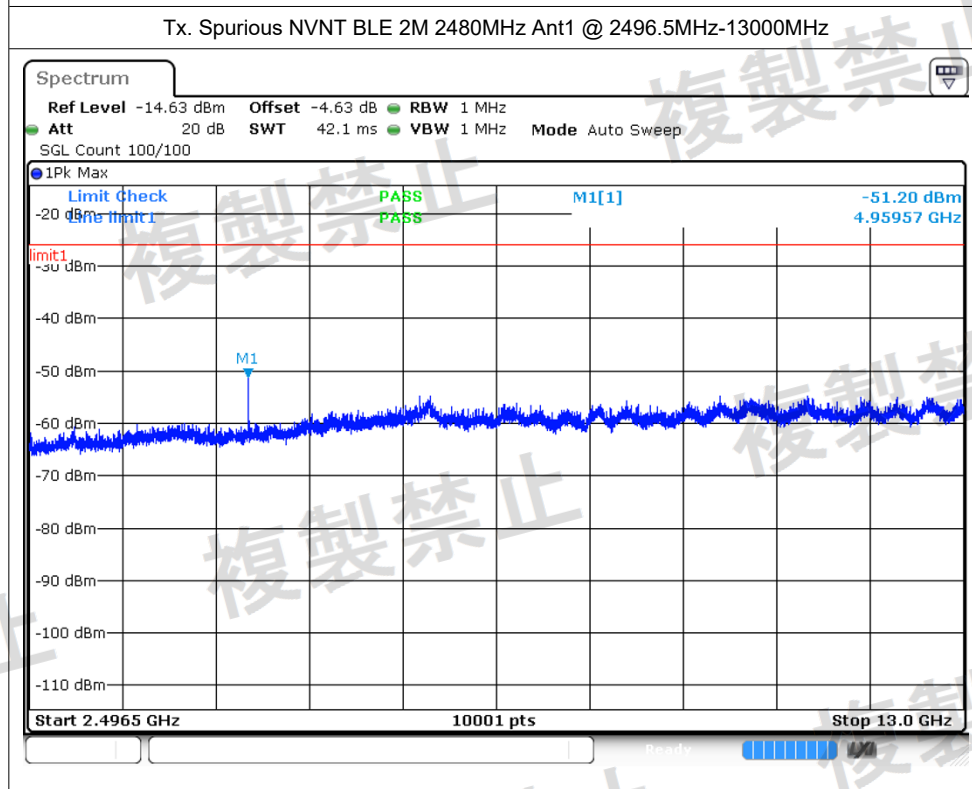
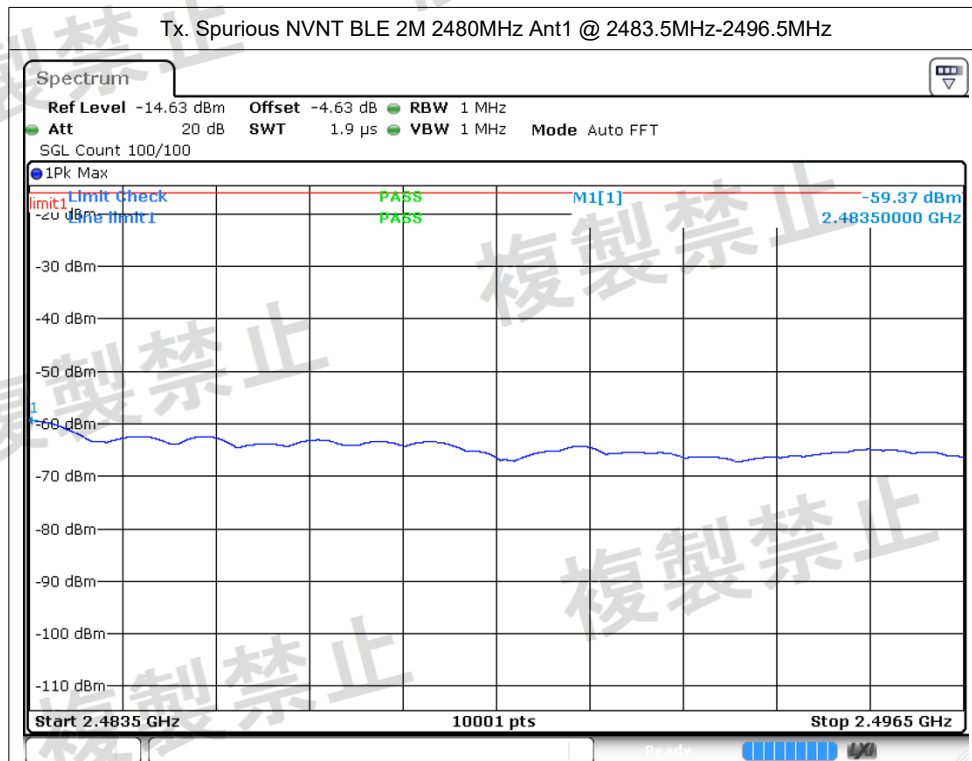










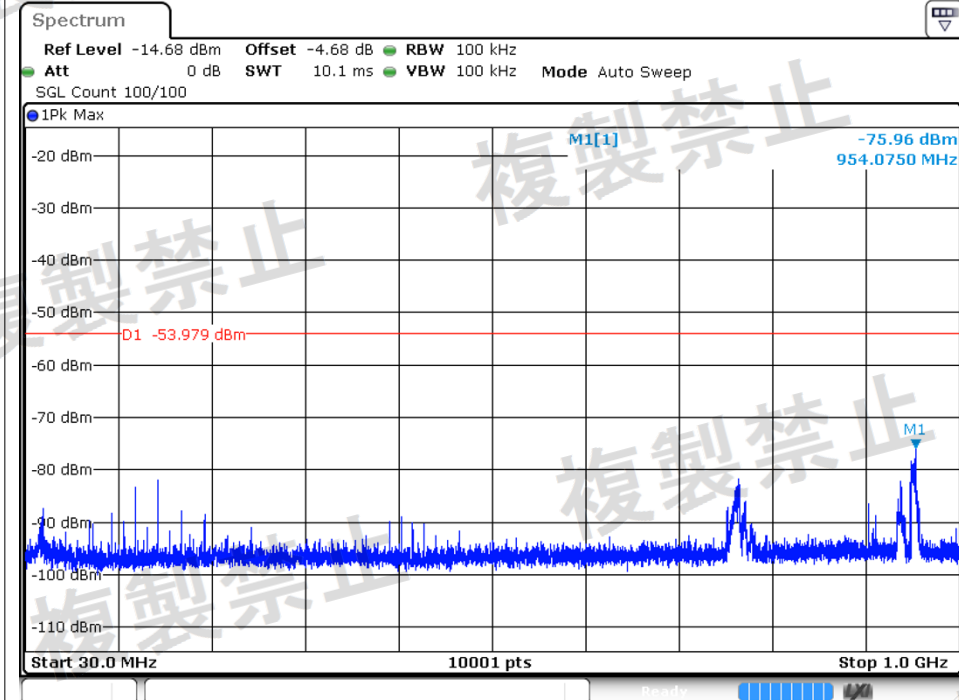


Rx Spurious Emission

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	954.08	-75.96	NA	0.0254	NA	4	Pass
NVNT	BLE 1M	2402	Ant1	1000-13000	6982.00	-73.77	NA	0.042	NA	20	Pass
NVNT	BLE 2M	2402	Ant1	30-1000	950.29	-75.68	NA	0.027	NA	4	Pass
NVNT	BLE 2M	2402	Ant1	1000-13000	12893.80	-74.46	NA	0.0358	NA	20	Pass

Test Graphs

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



Rx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 1000MHz-13000MHz

