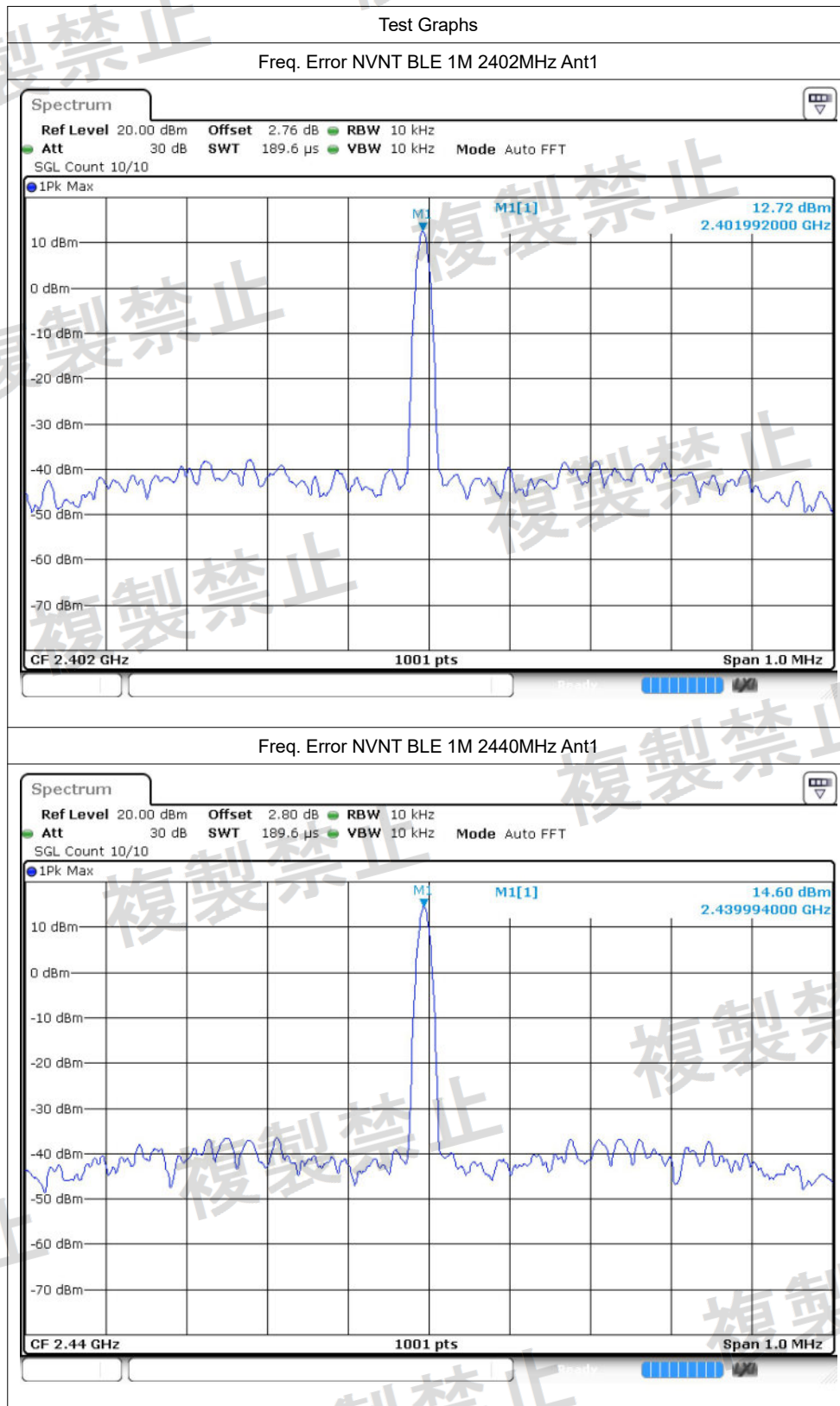
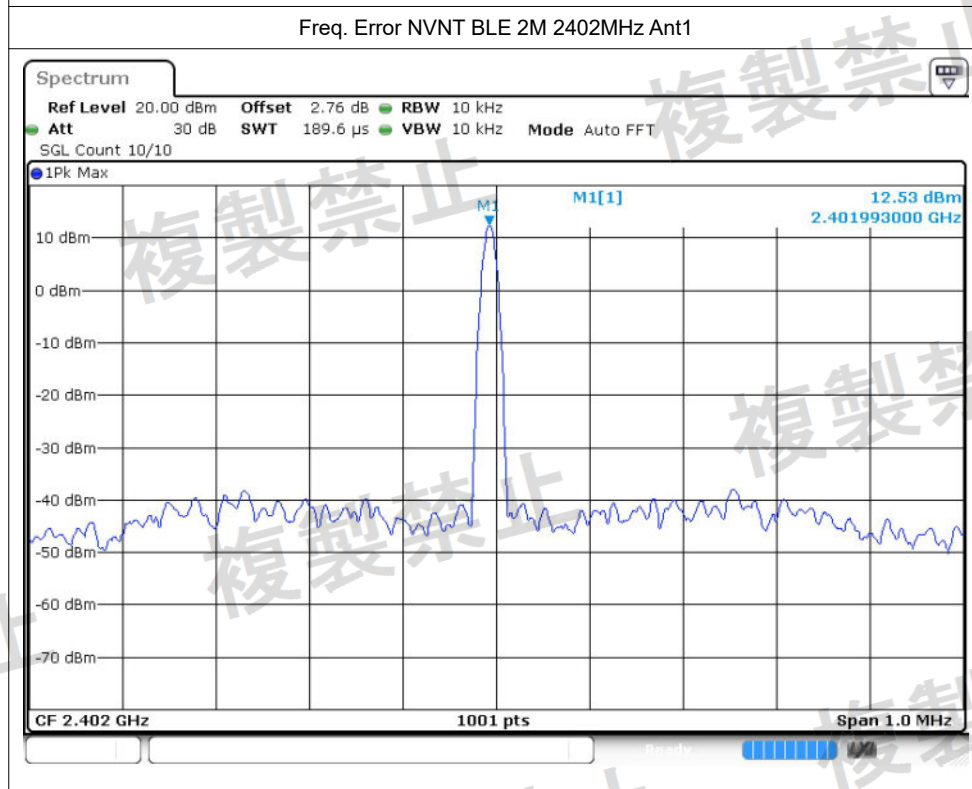
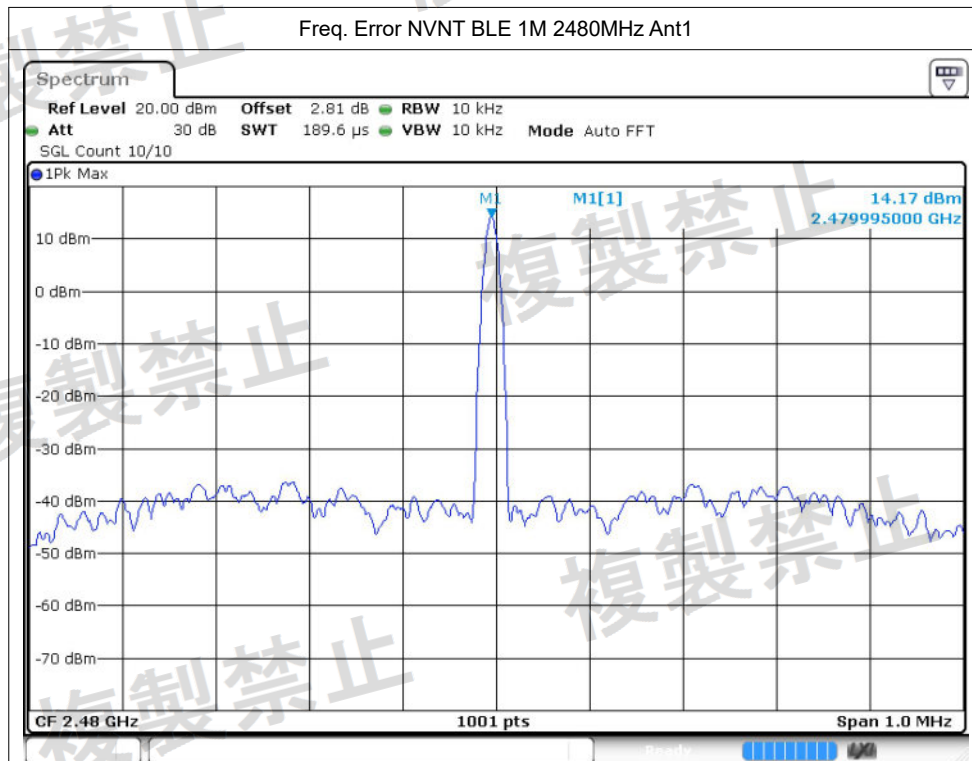


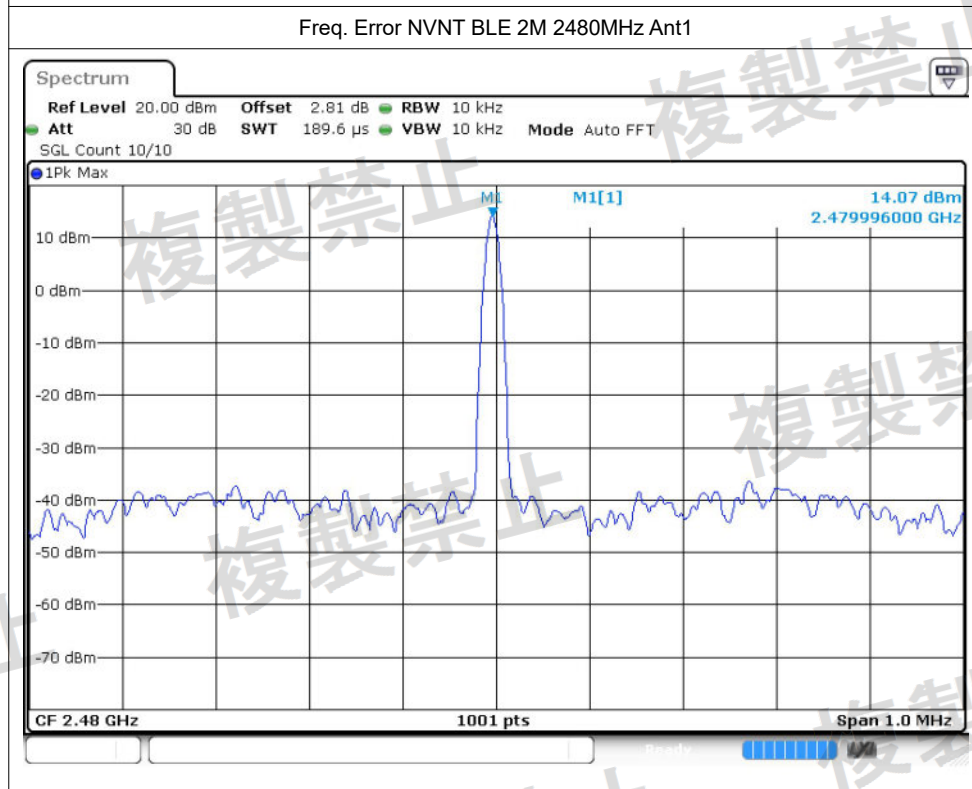
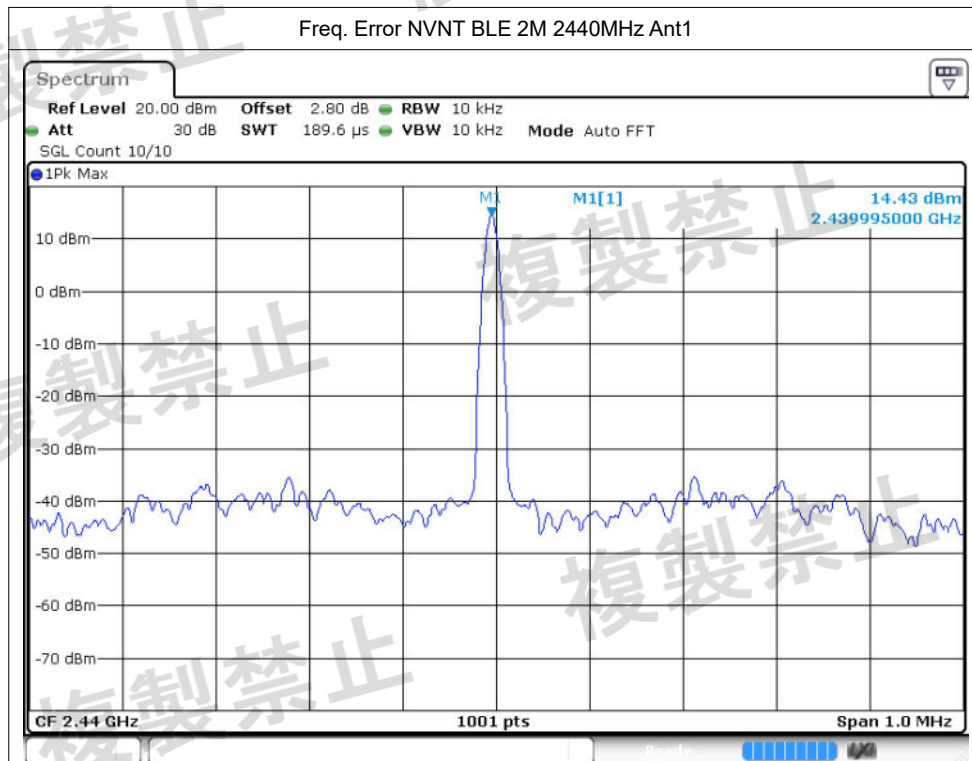
Appendix A

Frequency Error

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	BLE 1M	2402	Ant1	2401.992	-8000	-3.33	50	Pass
NVNT	BLE 1M	2440	Ant1	2439.994	-6000	-2.46	50	Pass
NVNT	BLE 1M	2480	Ant1	2479.995	-5000	-2.02	50	Pass
NVNT	BLE 2M	2402	Ant1	2401.993	-7000	-2.91	50	Pass
NVNT	BLE 2M	2440	Ant1	2439.995	-5000	-2.05	50	Pass
NVNT	BLE 2M	2480	Ant1	2479.996	-4000	-1.61	50	Pass







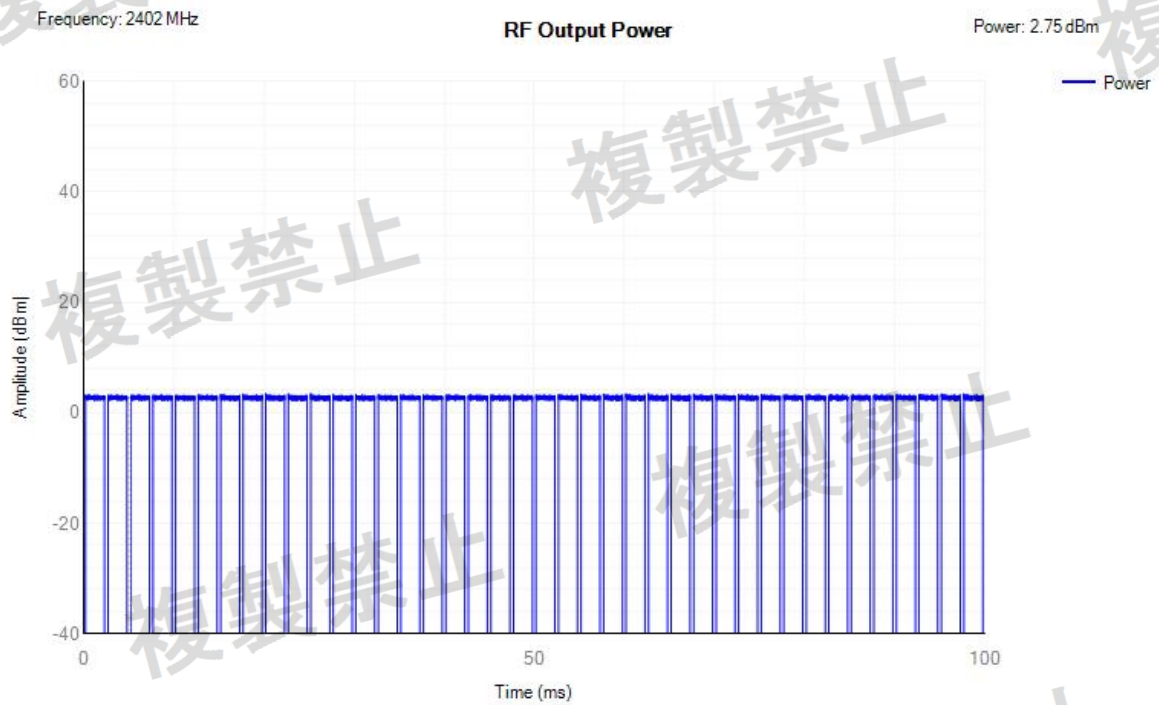


Antenna Power

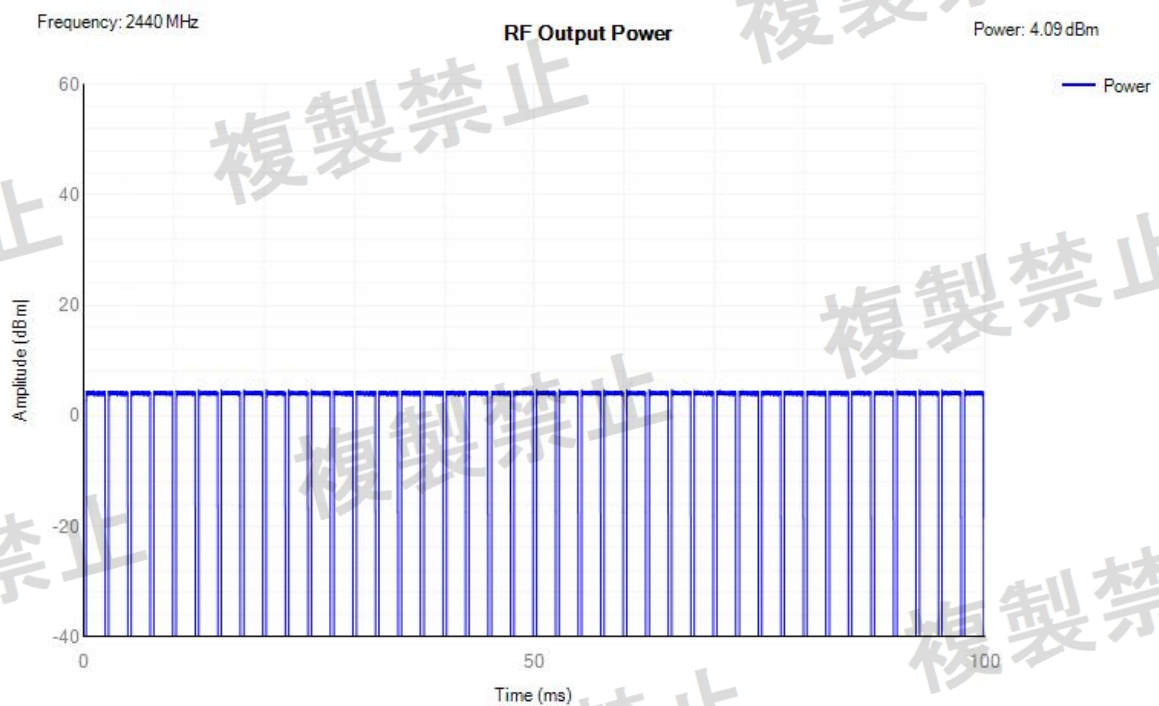
Condition	Mode	Frequency (MHz)	Antenna	Power (dBm)	Power (mW)	Limit (mW)	Declared Power (mW)	Tolerance (%)	Upper Limit (%)	Verdict
NVNT	BLE 1M	2402	Ant1	2.75	1.884	10	2.5	-24.64	20	Pass
NVNT	BLE 1M	2440	Ant1	4.09	2.564	10	2.5	2.56	20	Pass
NVNT	BLE 1M	2480	Ant1	4.38	2.742	10	2.5	9.68	20	Pass
NVNT	BLE 2M	2402	Ant1	3.1	2.042	10	2.5	-18.32	20	Pass
NVNT	BLE 2M	2440	Ant1	4.1	2.57	10	2.5	2.8	20	Pass
NVNT	BLE 2M	2480	Ant1	4.46	2.793	10	2.5	11.72	20	Pass

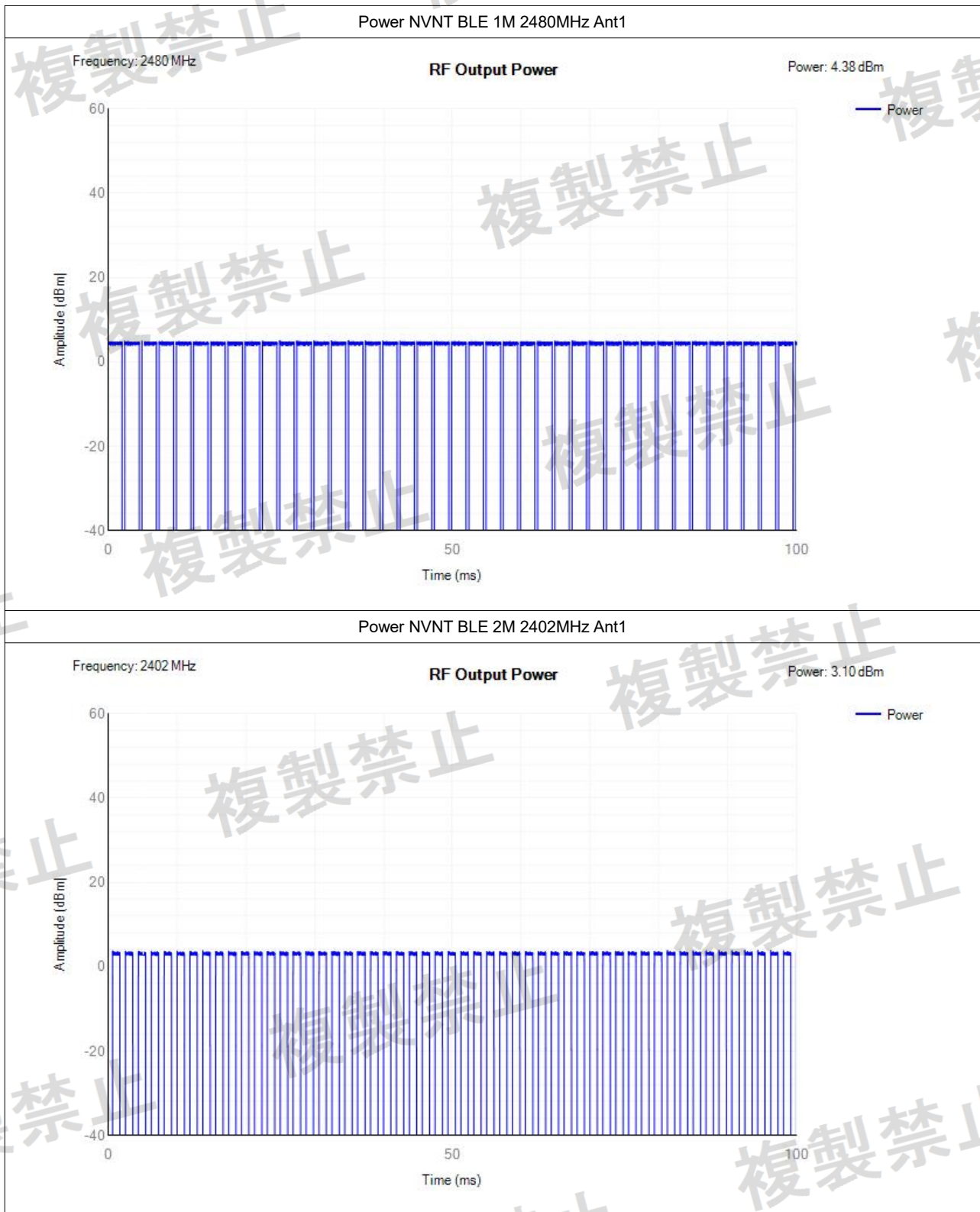
Test Graphs

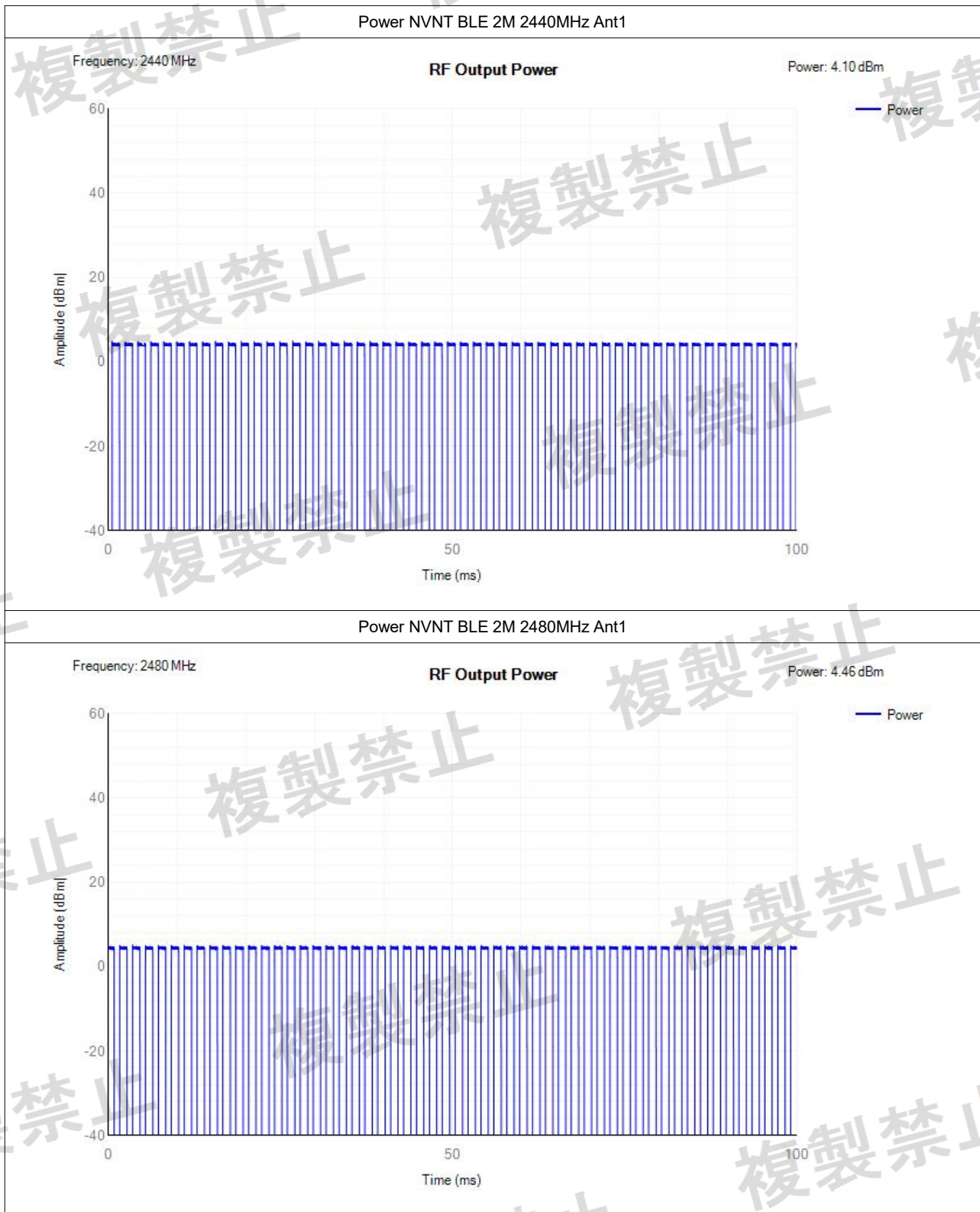
Power NVNT BLE 1M 2402MHz Ant1



Power NVNT BLE 1M 2440MHz Ant1





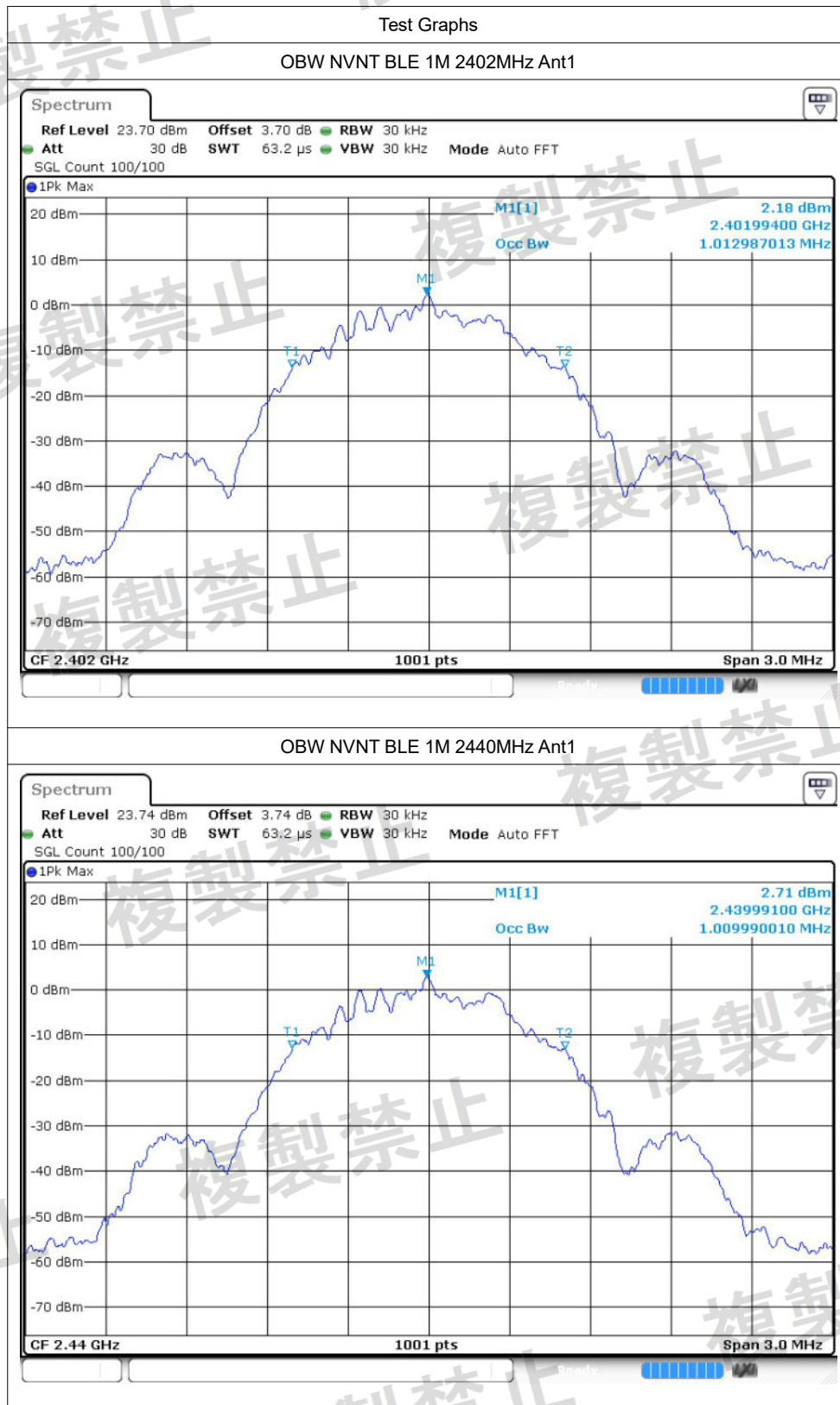


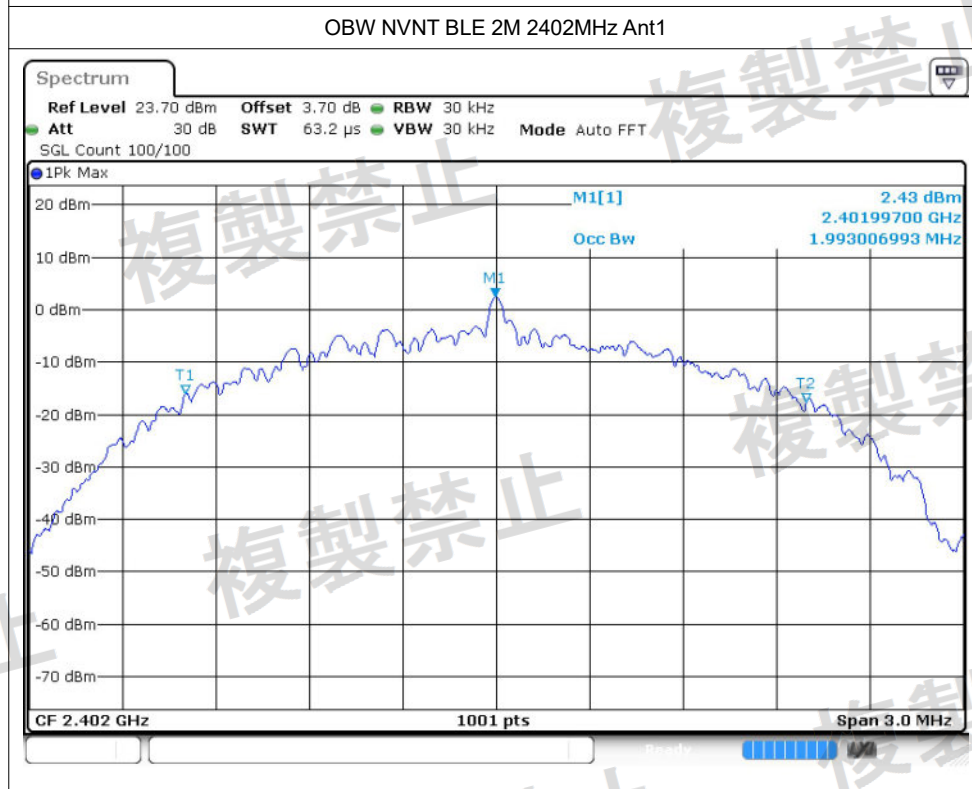
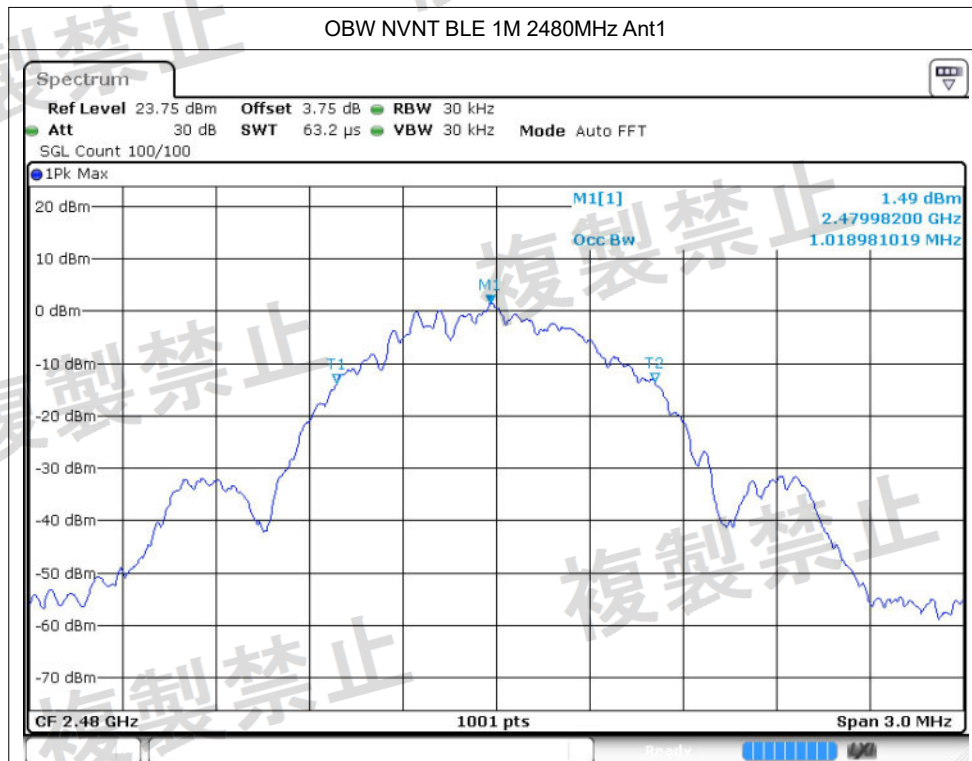
**EIRP Power**

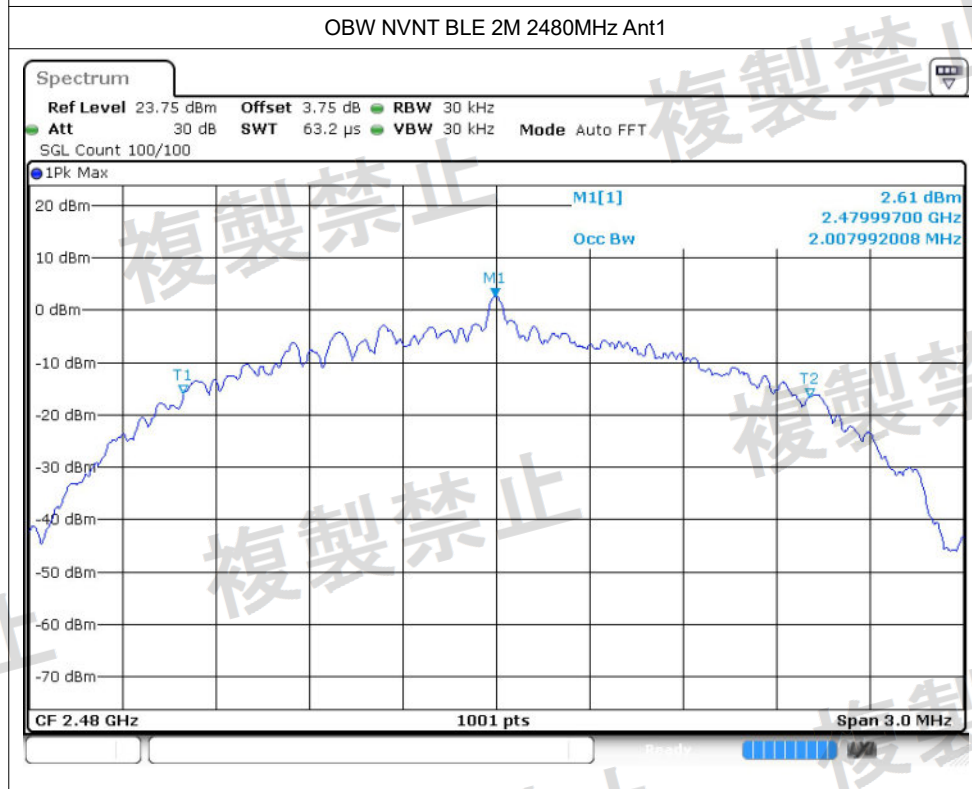
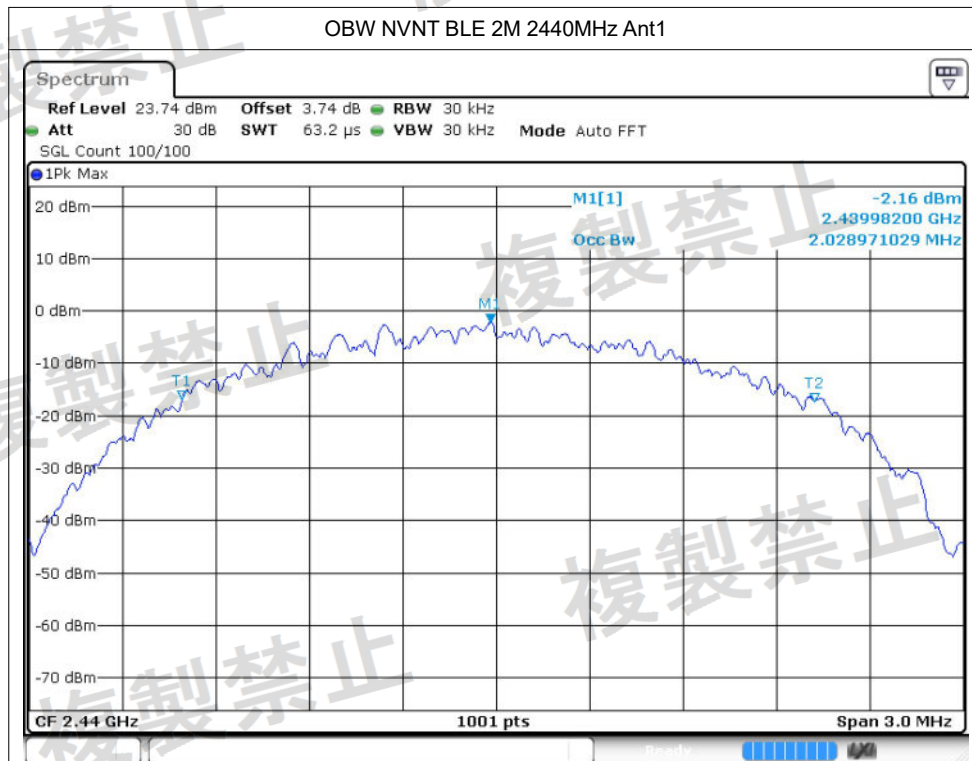
Condition	Mode	Frequency (MHz)	Antenna	Antenna Power (mW)	Antenna Power (dBm)	Gain (dBi)	EIRP Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	1.884	2.75	0.94	3.69	12.14	Pass
NVNT	BLE 1M	2440	Ant1	2.564	4.09	0.94	5.03	12.14	Pass
NVNT	BLE 1M	2480	Ant1	2.742	4.38	0.94	5.32	12.14	Pass
NVNT	BLE 2M	2402	Ant1	2.042	3.1	0.94	4.04	12.14	Pass
NVNT	BLE 2M	2440	Ant1	2.57	4.1	0.94	5.04	12.14	Pass
NVNT	BLE 2M	2480	Ant1	2.793	4.46	0.94	5.4	12.14	Pass

Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.013
NVNT	BLE 1M	2440	Ant1	1.01
NVNT	BLE 1M	2480	Ant1	1.019
NVNT	BLE 2M	2402	Ant1	1.993
NVNT	BLE 2M	2440	Ant1	2.029
NVNT	BLE 2M	2480	Ant1	2.008





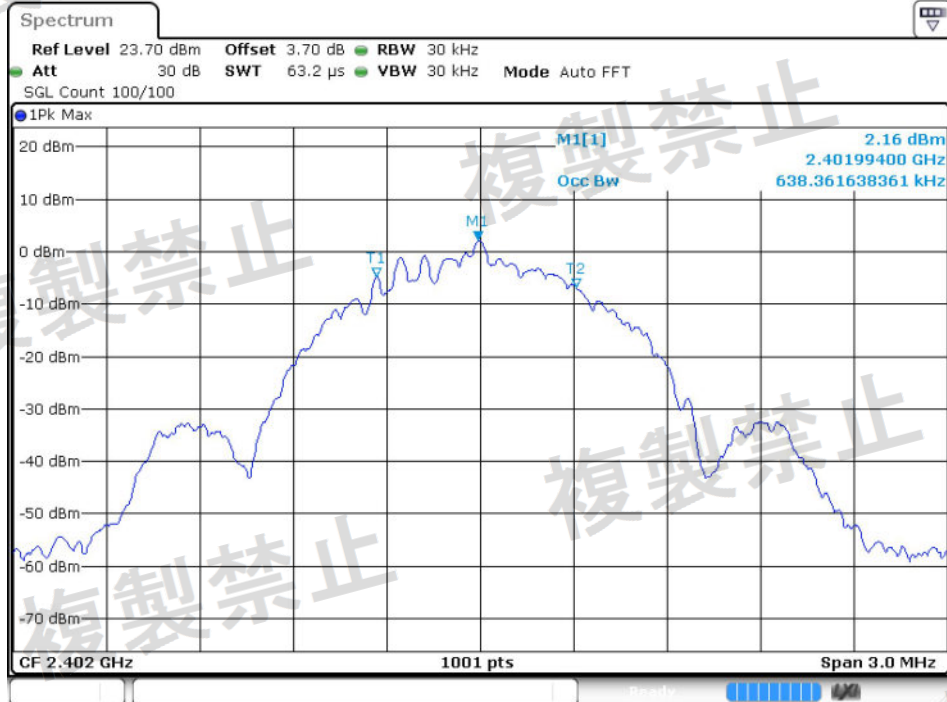


Spreading Bandwidth

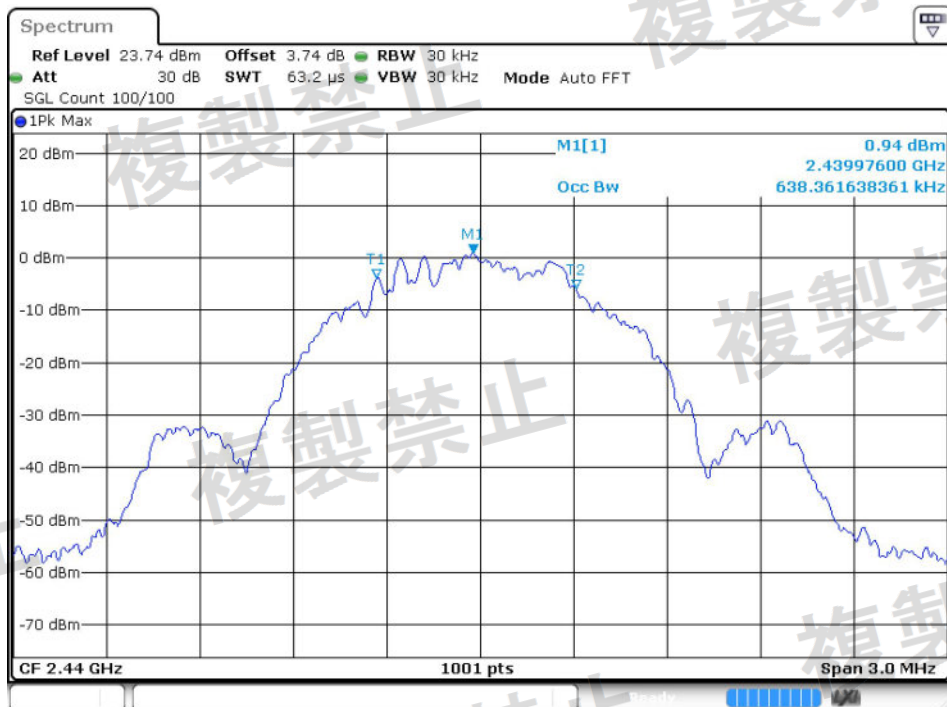
Condition	Mode	Frequency (MHz)	Antenna	90% OBW (MHz)	Limit (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.638	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.638	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.65	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.289	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.268	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.274	0.5	Pass

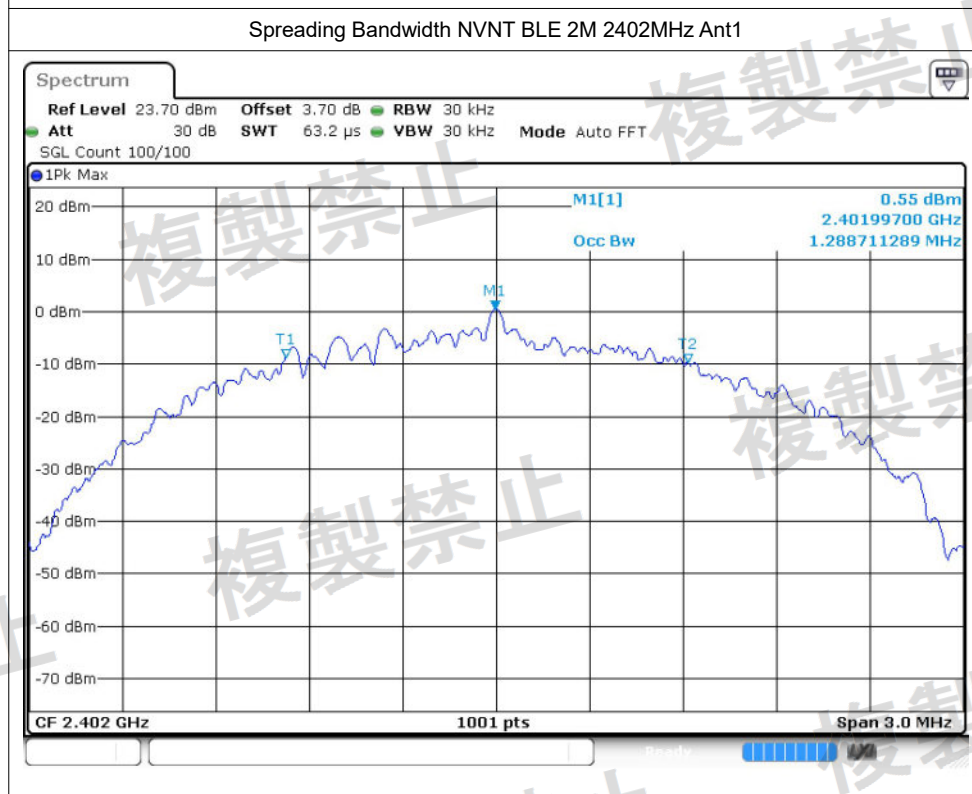
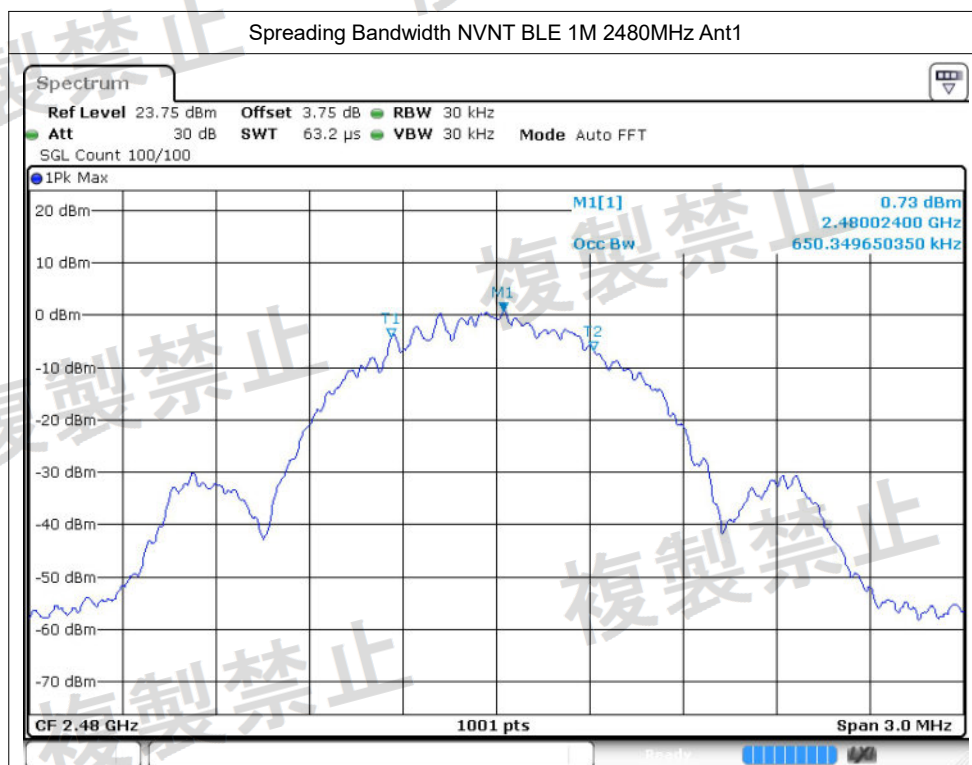
Test Graphs

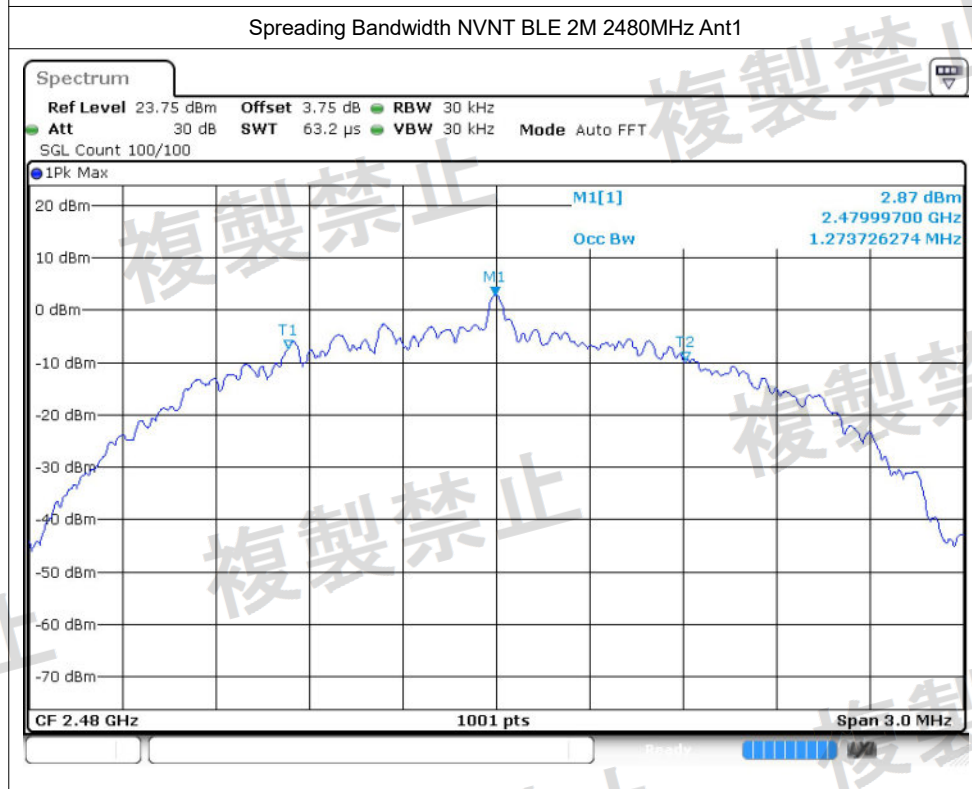
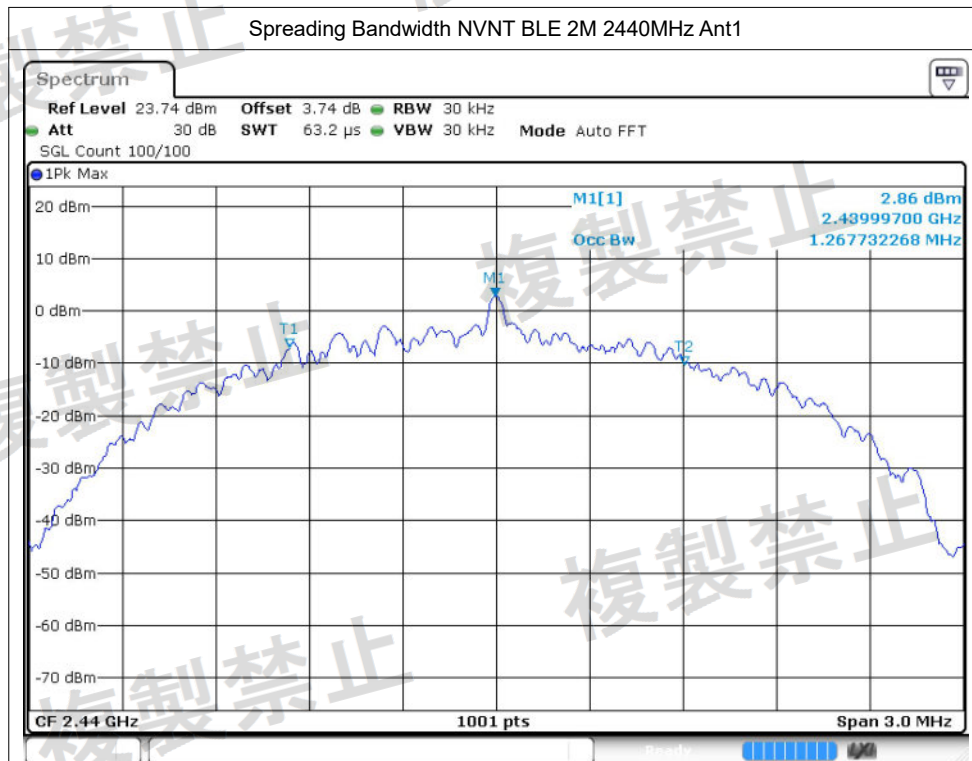
Spreading Bandwidth NVNT BLE 1M 2402MHz Ant1



Spreading Bandwidth NVNT BLE 1M 2440MHz Ant1







Tx Spurious Emission

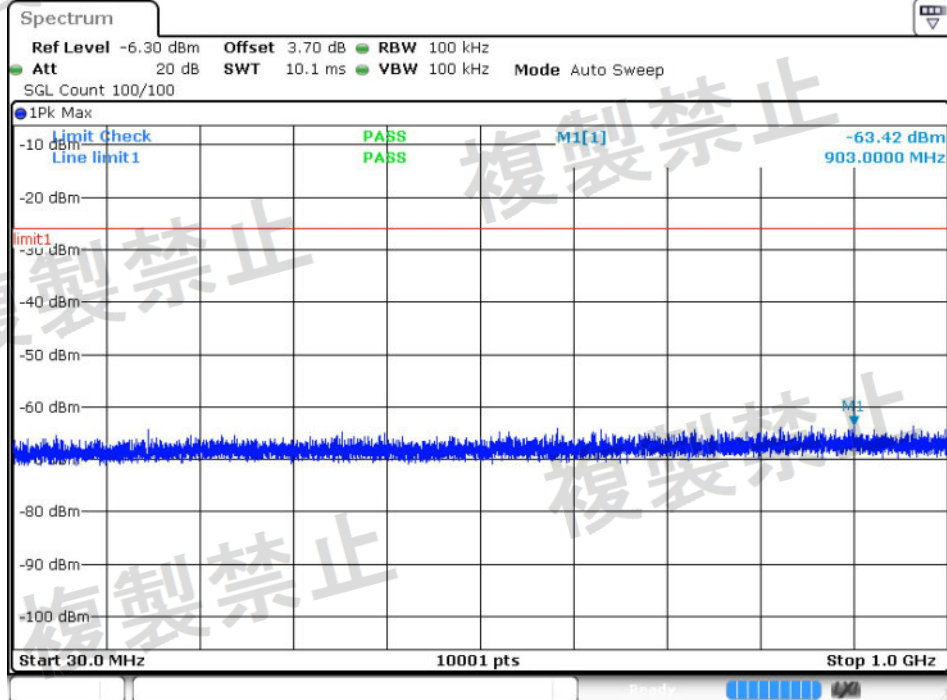
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Peak Value (dBm)	Max RMS Value (dBm)	Max Peak Value (uW)	Max RMS Value (uW)	Limit Start(uW)	Limit Stop (uW)	Verdict
NVNT	BLE 1M	2402	Ant1	30-1000	903.00	-53.42	NA	0.0045	NA	2.5	2.5	Pass
NVNT	BLE 1M	2402	Ant1	1000-2387	2369.80	-54.26	NA	0.0037	NA	2.5	2.5	Pass
NVNT	BLE 1M	2402	Ant1	2387-2400	2400.00	-32.67	NA	0.5408	NA	25	25	Pass
NVNT	BLE 1M	2402	Ant1	2483.5-2496.5	2487.58	-55.38	NA	0.0029	NA	25	25	Pass
NVNT	BLE 1M	2402	Ant1	2496.5-13000	6999.35	-45.80	NA	0.0263	NA	2.5	2.5	Pass
NVNT	BLE 1M	2440	Ant1	30-1000	888.94	-52.09	NA	0.0062	NA	2.5	2.5	Pass
NVNT	BLE 1M	2440	Ant1	1000-2387	2240.12	-53.61	NA	0.0044	NA	2.5	2.5	Pass
NVNT	BLE 1M	2440	Ant1	2387-2400	2399.76	-53.82	NA	0.0041	NA	25	25	Pass
NVNT	BLE 1M	2440	Ant1	2483.5-2496.5	2488.99	-54.95	NA	0.0032	NA	25	25	Pass
NVNT	BLE 1M	2440	Ant1	2496.5-13000	12634.48	-45.33	NA	0.0293	NA	2.5	2.5	Pass
NVNT	BLE 1M	2480	Ant1	30-1000	925.70	-53.17	NA	0.0048	NA	2.5	2.5	Pass
NVNT	BLE 1M	2480	Ant1	1000-2387	2016.95	-53.99	NA	0.004	NA	2.5	2.5	Pass
NVNT	BLE 1M	2480	Ant1	2387-2400	2400.00	-53.67	NA	0.0043	NA	25	25	Pass
NVNT	BLE 1M	2480	Ant1	2483.5-2496.5	2483.50	-46.87	NA	0.0206	NA	25	25	Pass
NVNT	BLE 1M	2480	Ant1	2496.5-13000	12644.98	-45.27	NA	0.0297	NA	2.5	2.5	Pass
NVNT	BLE 2M	2402	Ant1	30-1000	868.66	-53.47	NA	0.0045	NA	2.5	2.5	Pass
NVNT	BLE 2M	2402	Ant1	1000-2387	2362.17	-53.46	NA	0.0045	NA	2.5	2.5	Pass
NVNT	BLE 2M	2402	Ant1	2387-2400	2400.00	-20.48	NA	8.9536	NA	25	25	Pass
NVNT	BLE 2M	2402	Ant1	2483.5-2496.5	2483.50	-55.04	NA	0.0031	NA	25	25	Pass



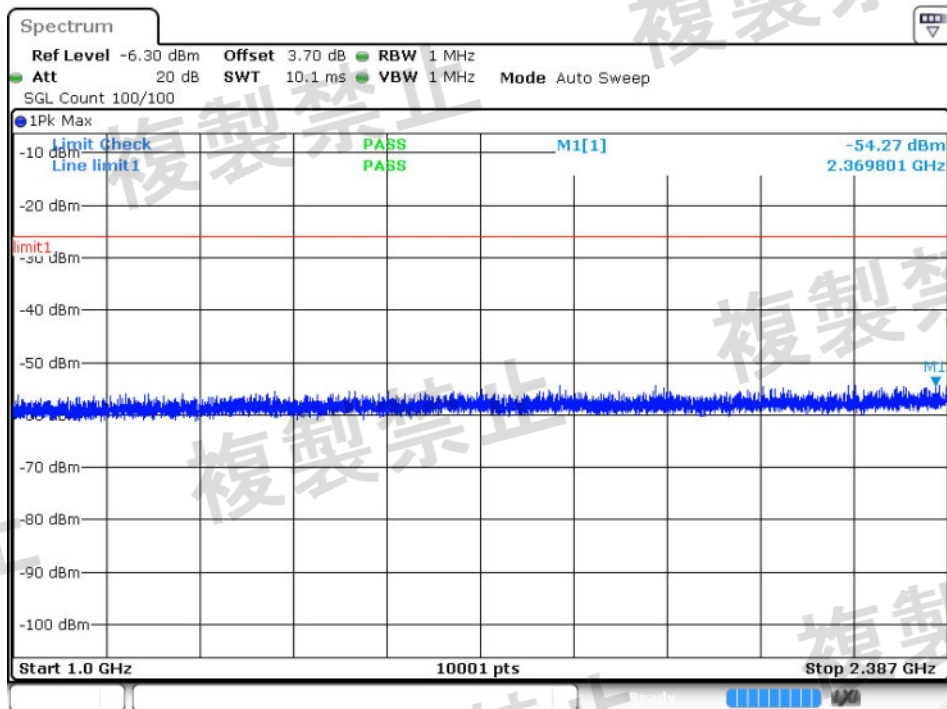
NVNT	BLE 2M	2402	Ant1	2496.5-13000	10214.47	-46.21	NA	0.0239	NA	2.5	2.5	Pass
NVNT	BLE 2M	2440	Ant1	30-1000	984.29	-53.78	NA	0.0042	NA	2.5	2.5	Pass
NVNT	BLE 2M	2440	Ant1	1000-2387	2137.06	-53.95	NA	0.004	NA	2.5	2.5	Pass
NVNT	BLE 2M	2440	Ant1	2387-2400	2399.99	-53.53	NA	0.0044	NA	25	25	Pass
NVNT	BLE 2M	2440	Ant1	2483.5-2496.5	2483.59	-54.48	NA	0.0036	NA	25	25	Pass
NVNT	BLE 2M	2440	Ant1	2496.5-13000	10566.34	-46.21	NA	0.0239	NA	2.5	2.5	Pass
NVNT	BLE 2M	2480	Ant1	30-1000	845.58	-53.47	NA	0.0045	NA	2.5	2.5	Pass
NVNT	BLE 2M	2480	Ant1	1000-2387	2239.98	-54.03	NA	0.004	NA	2.5	2.5	Pass
NVNT	BLE 2M	2480	Ant1	2387-2400	2399.82	-53.57	NA	0.0044	NA	25	25	Pass
NVNT	BLE 2M	2480	Ant1	2483.5-2496.5	2484.20	-50.27	NA	0.0094	NA	25	25	Pass
NVNT	BLE 2M	2480	Ant1	2496.5-13000	6988.85	-45.22	NA	0.0301	NA	2.5	2.5	Pass

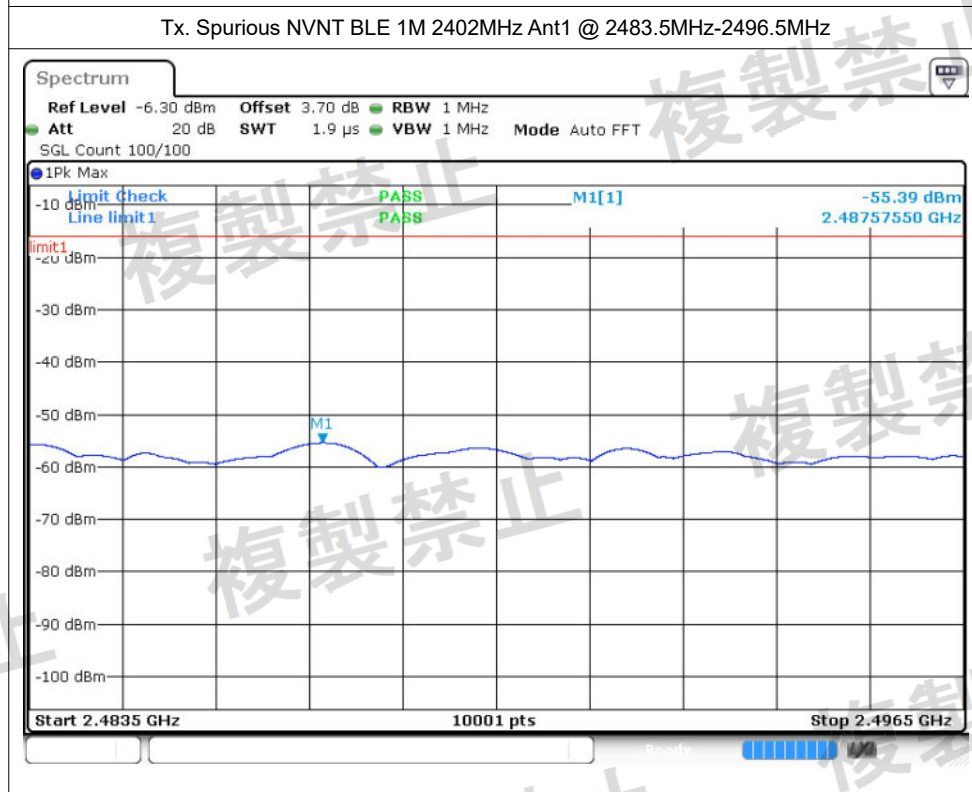
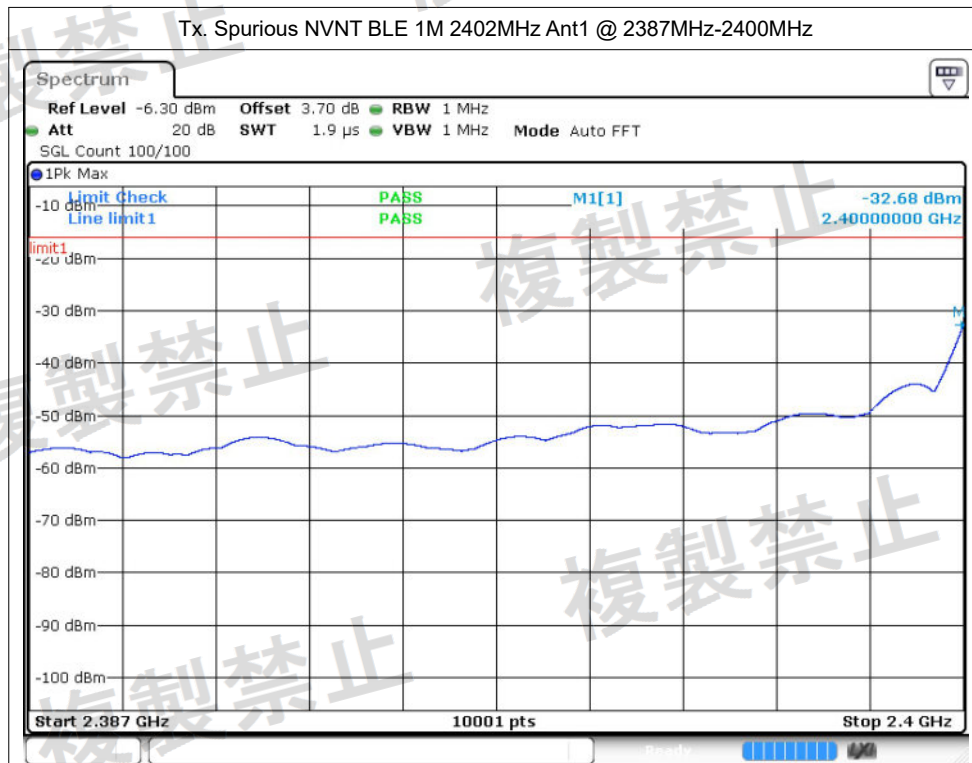
Test Graphs

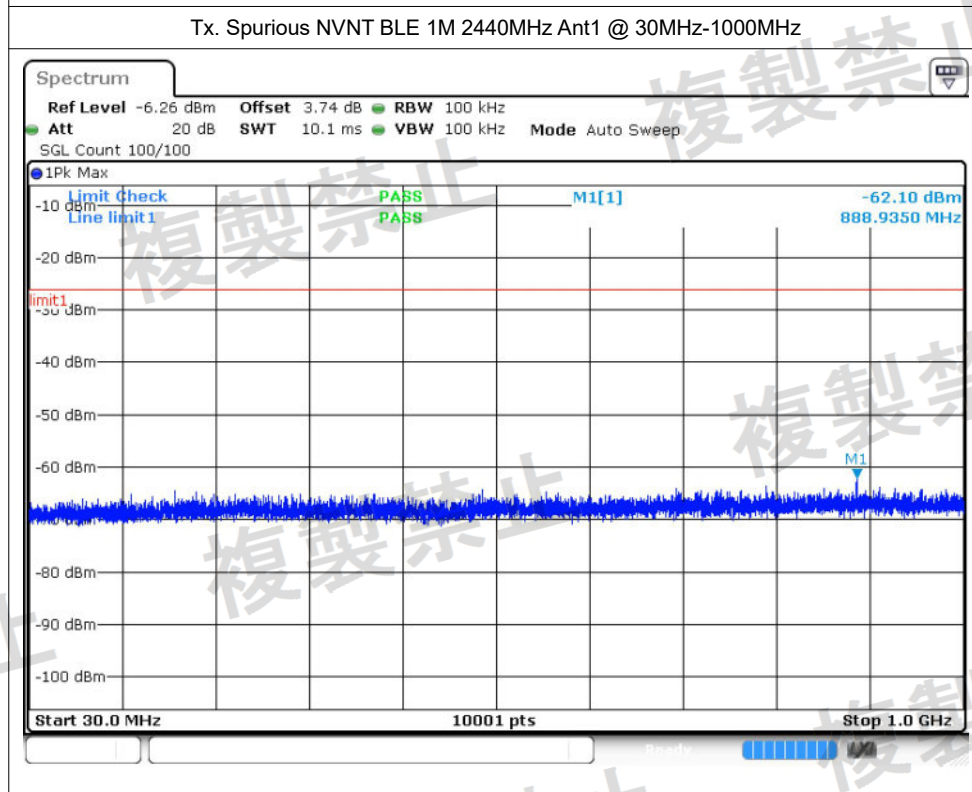
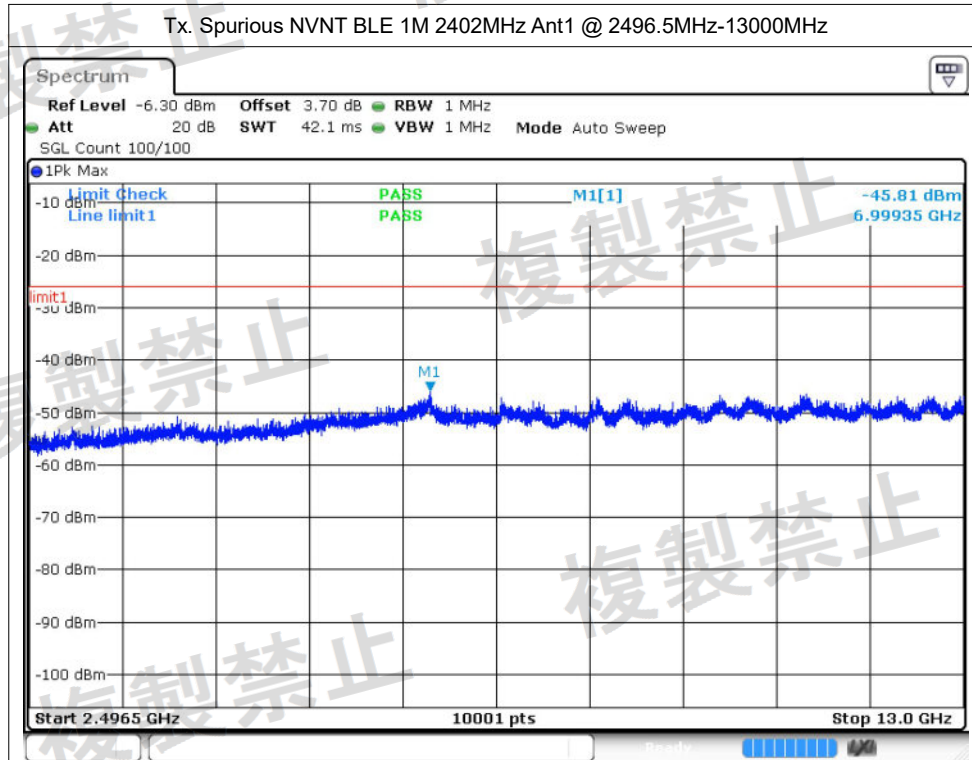
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 30MHz-1000MHz

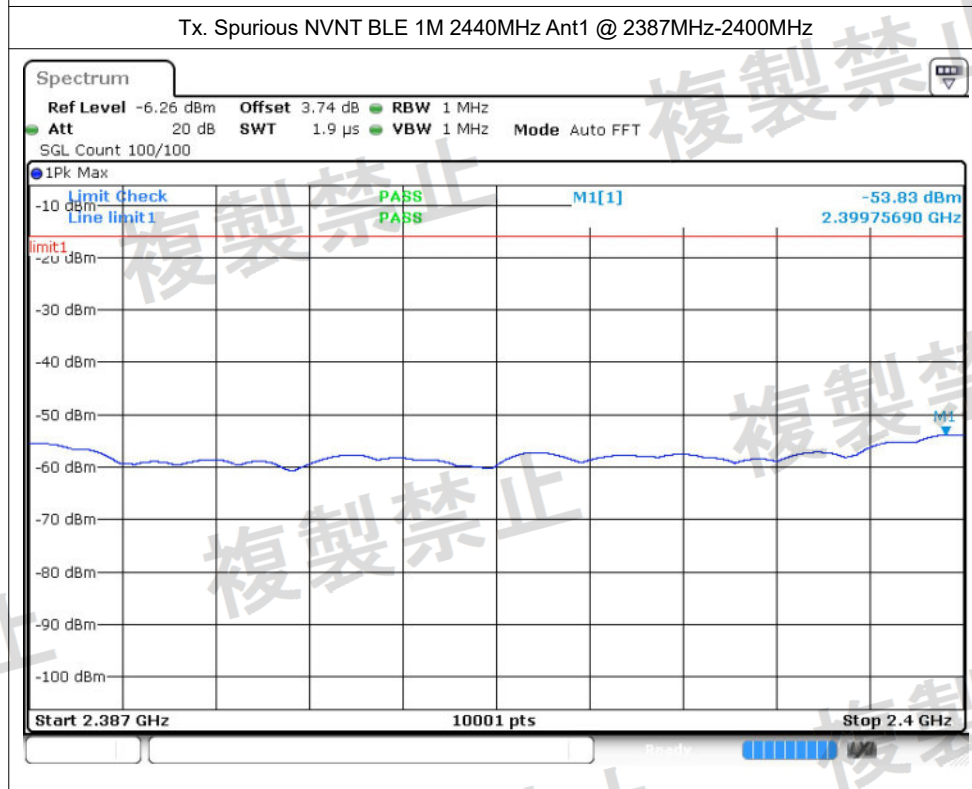
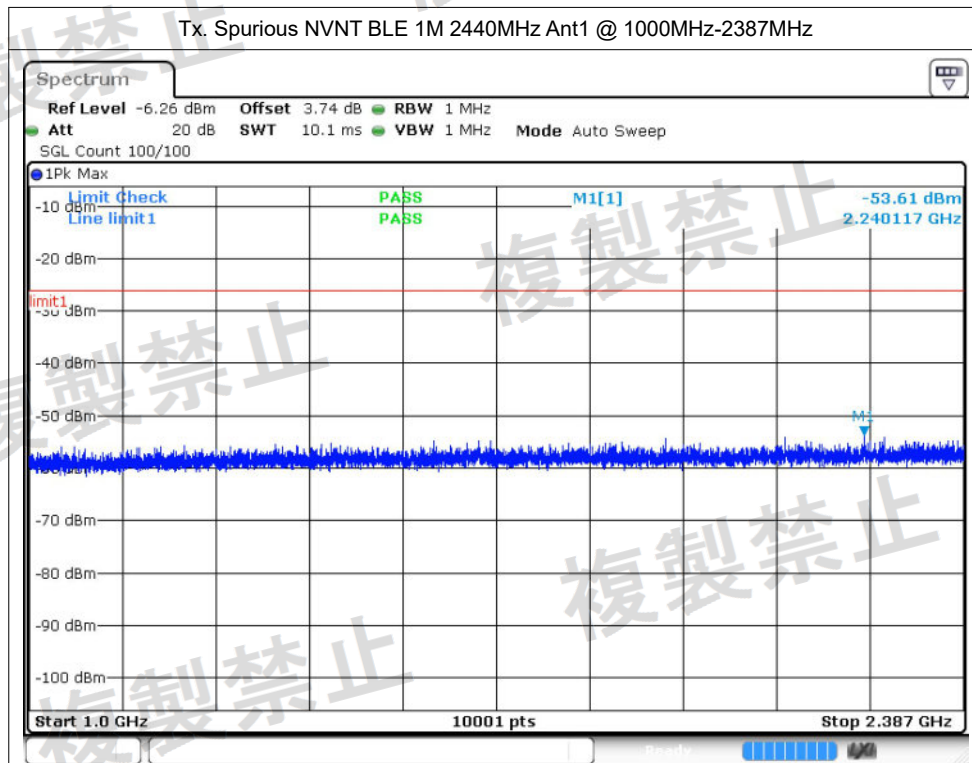


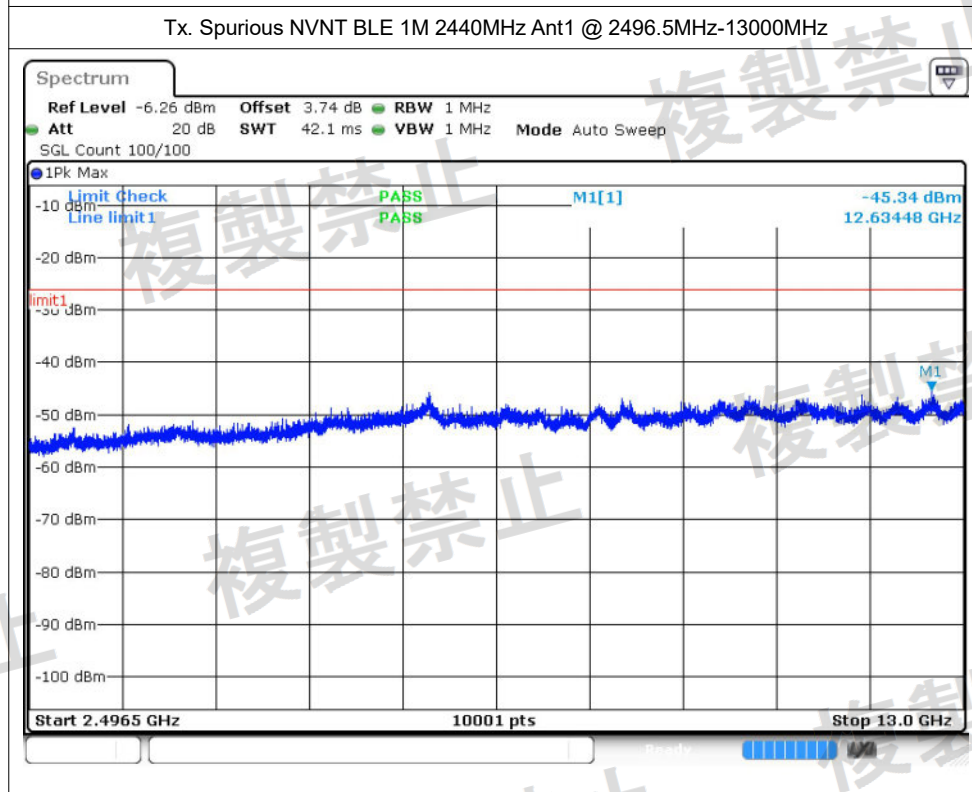
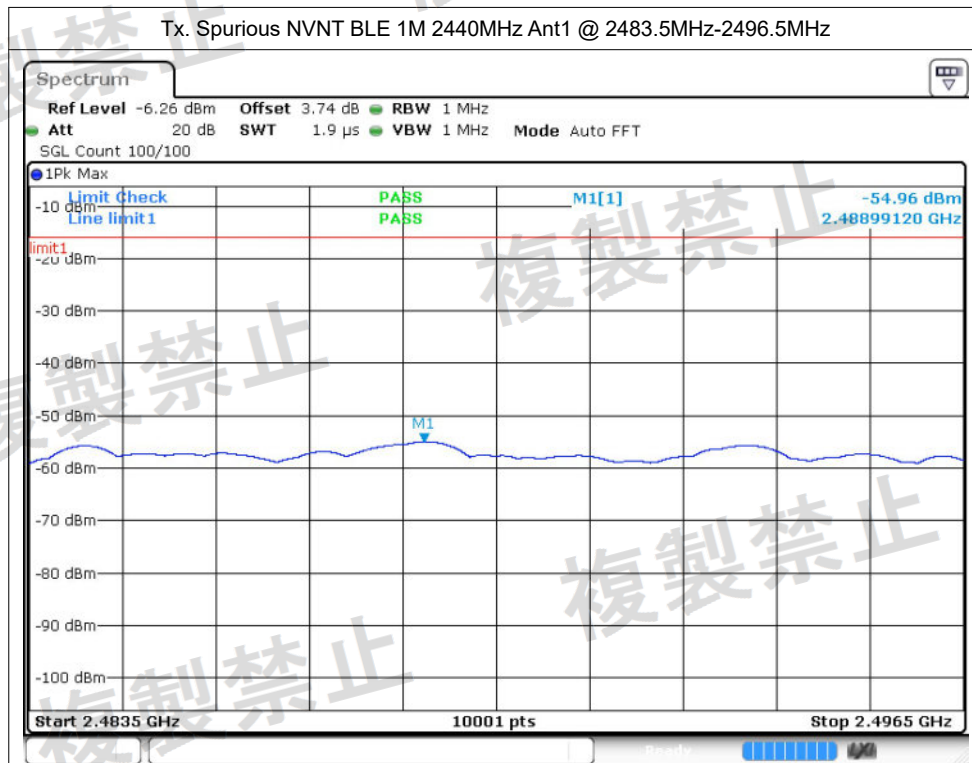
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 1000MHz-2387MHz

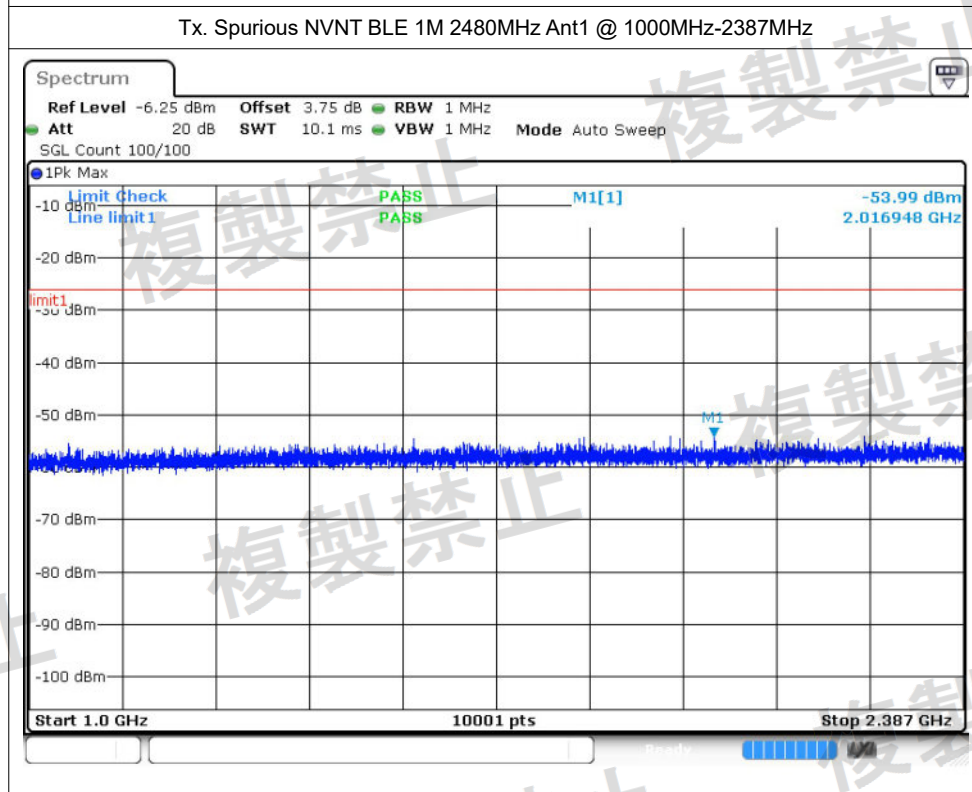
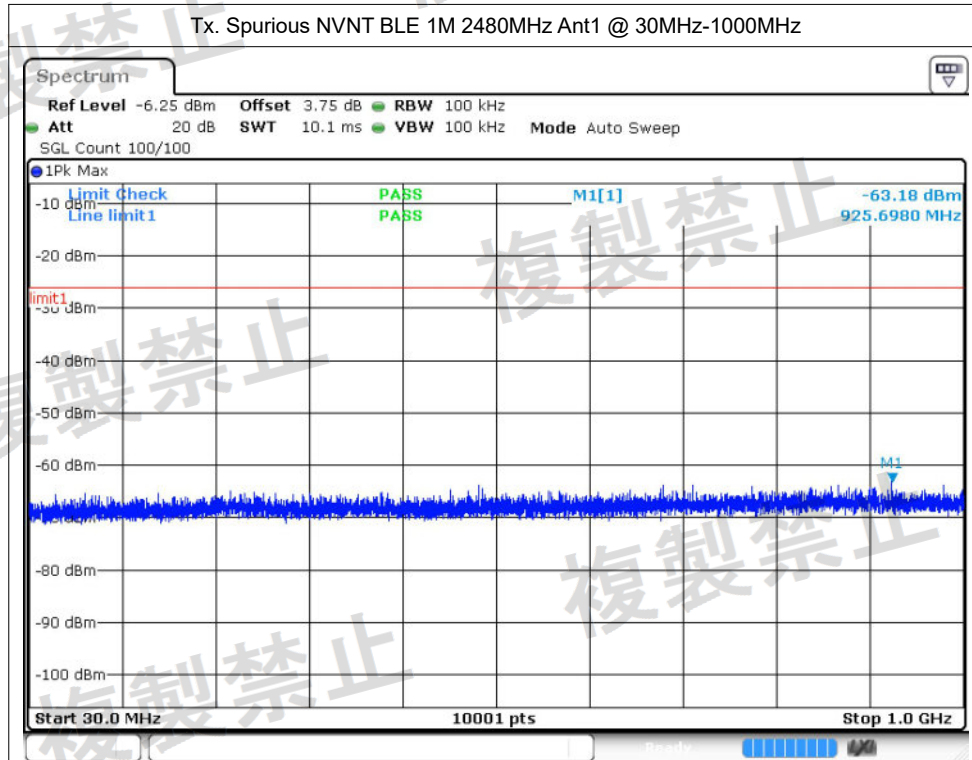


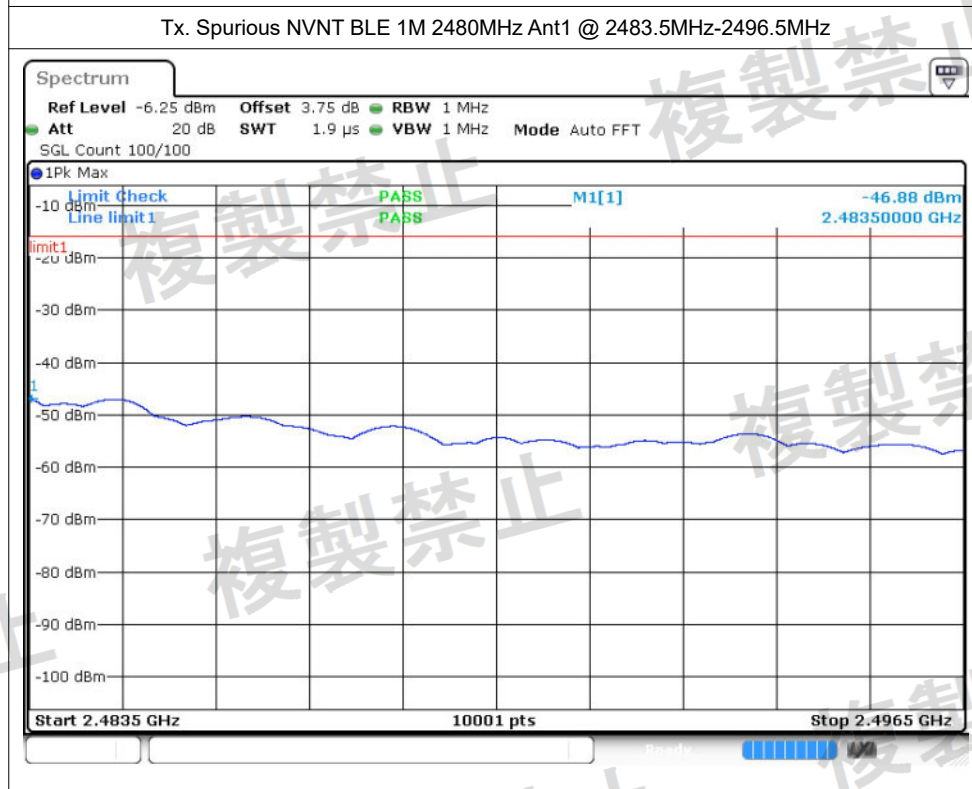
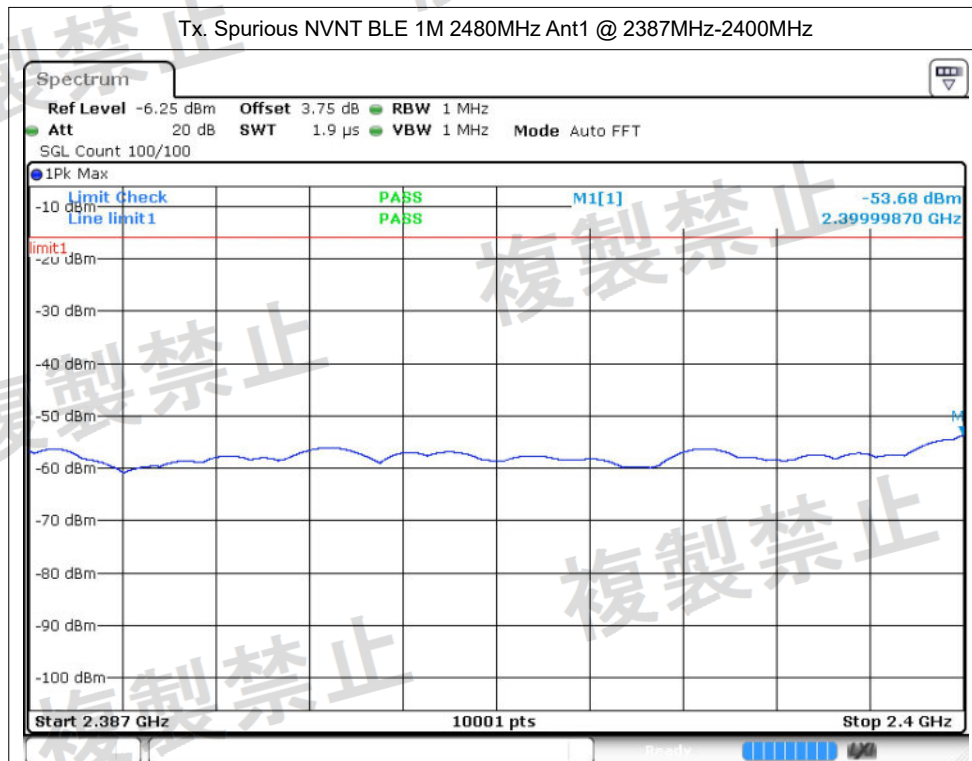


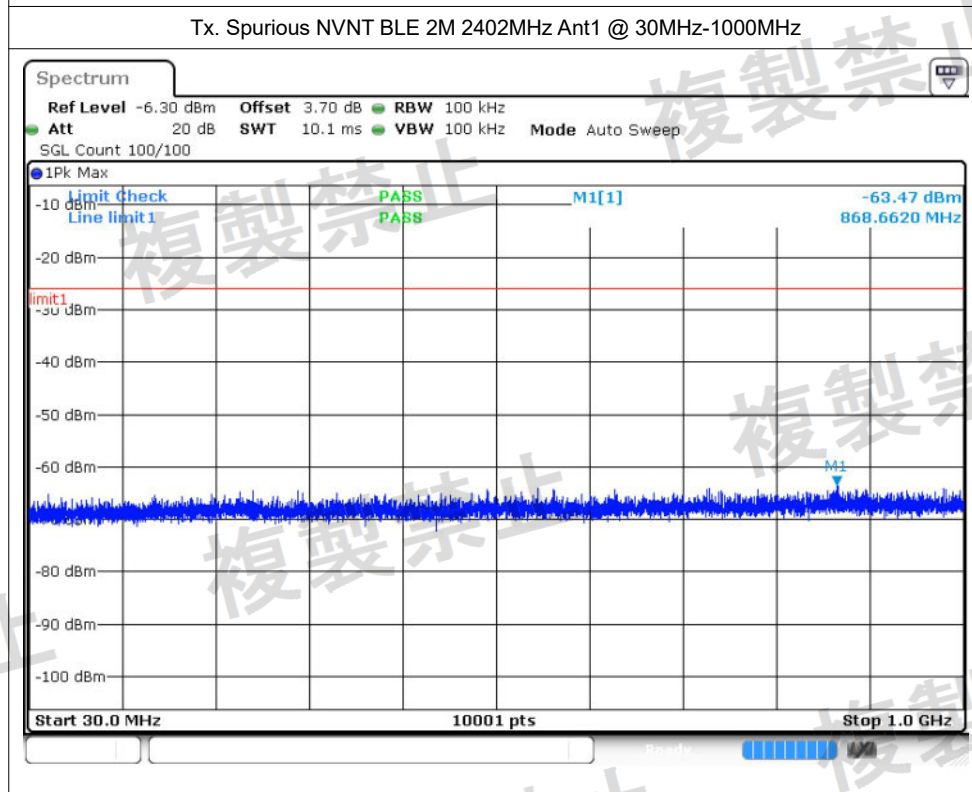
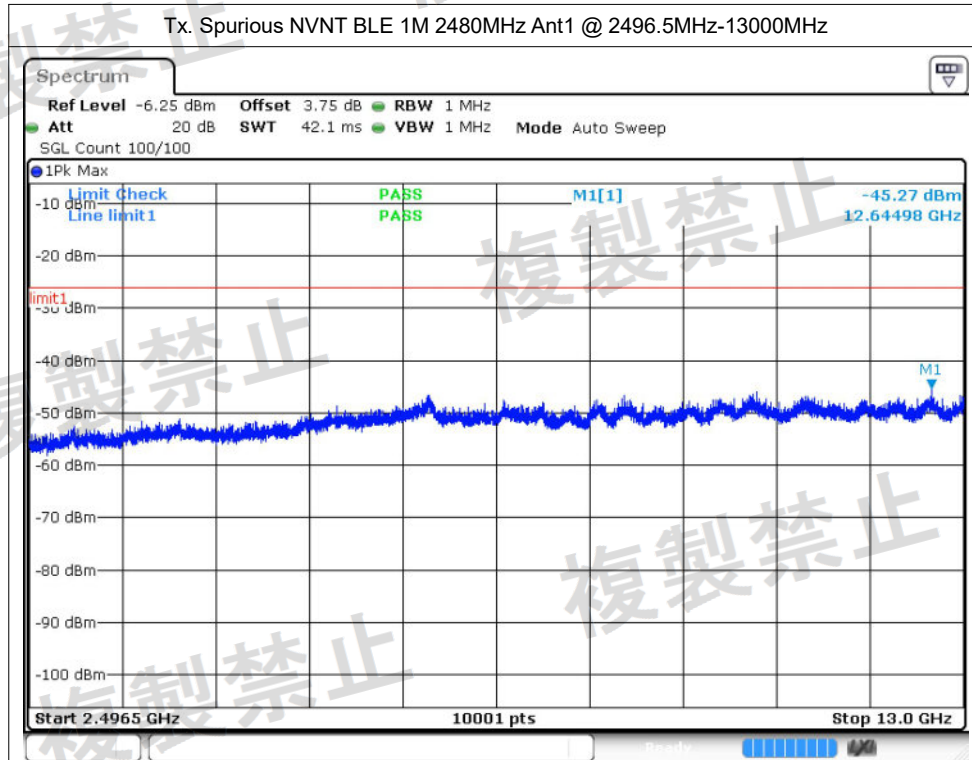


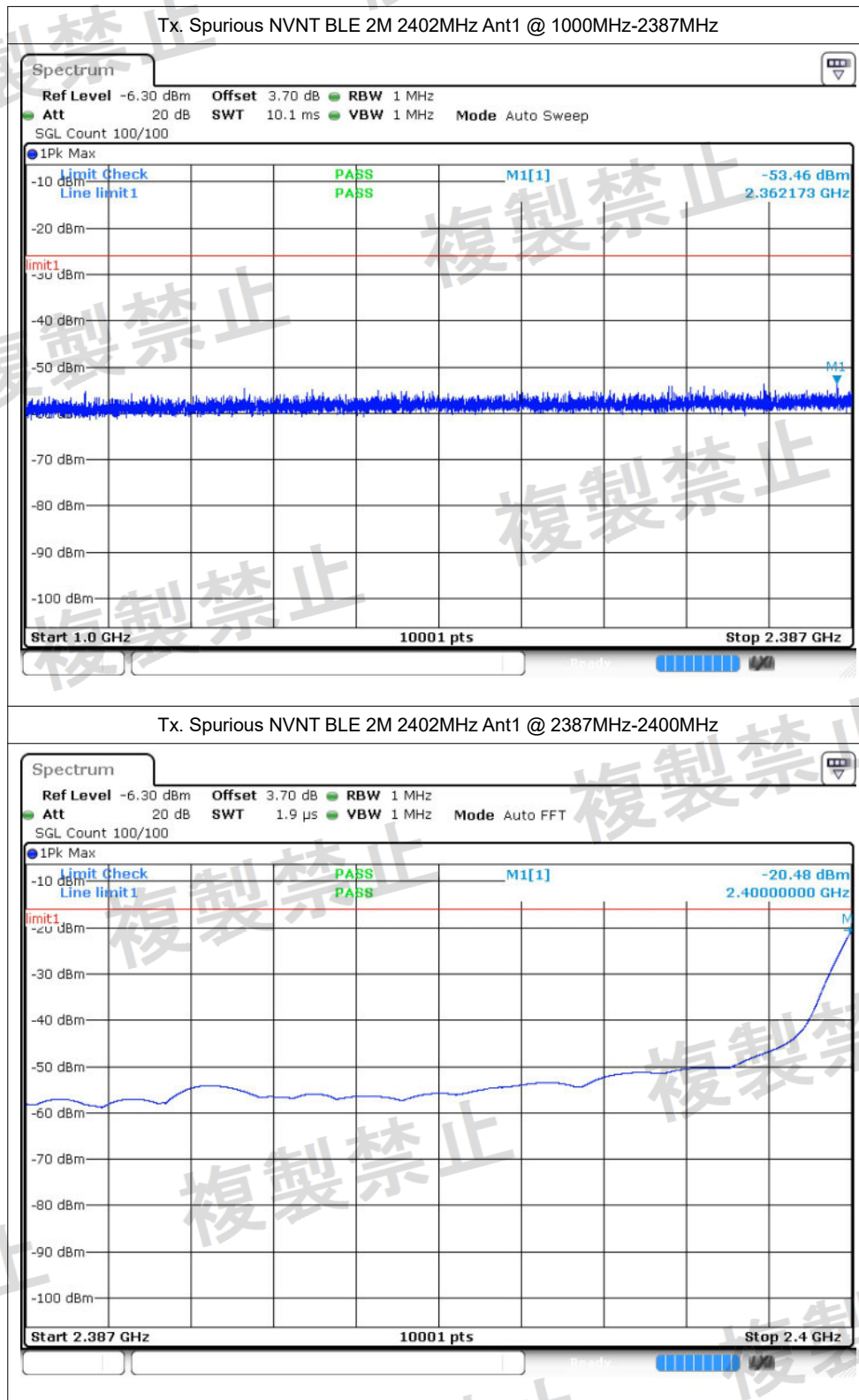


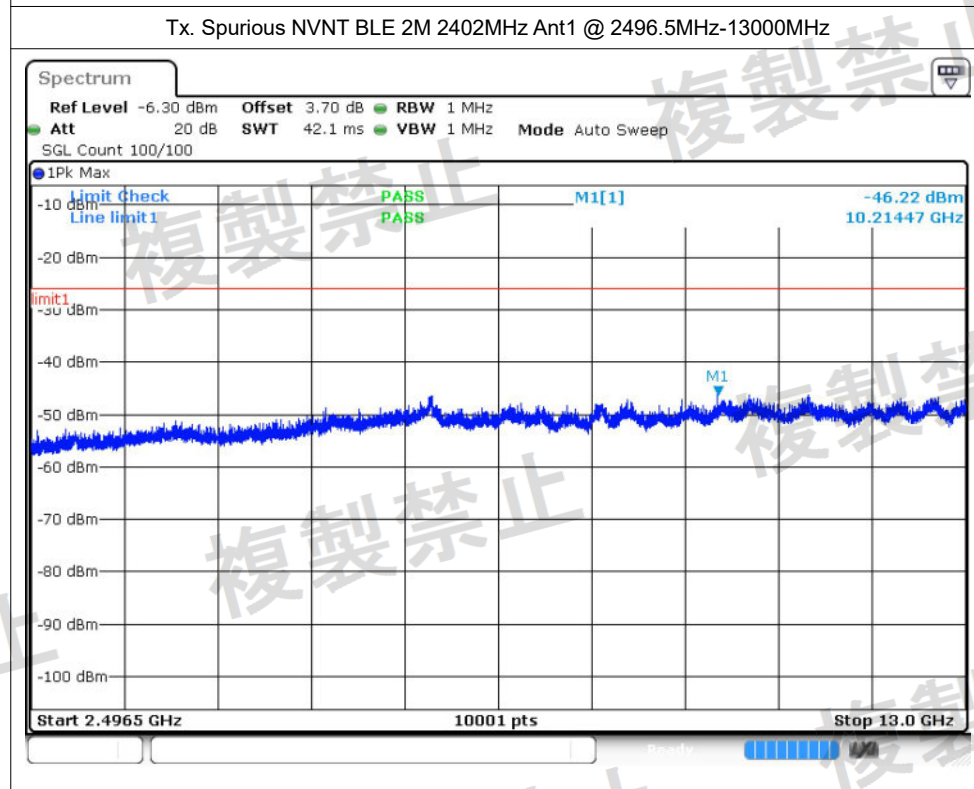
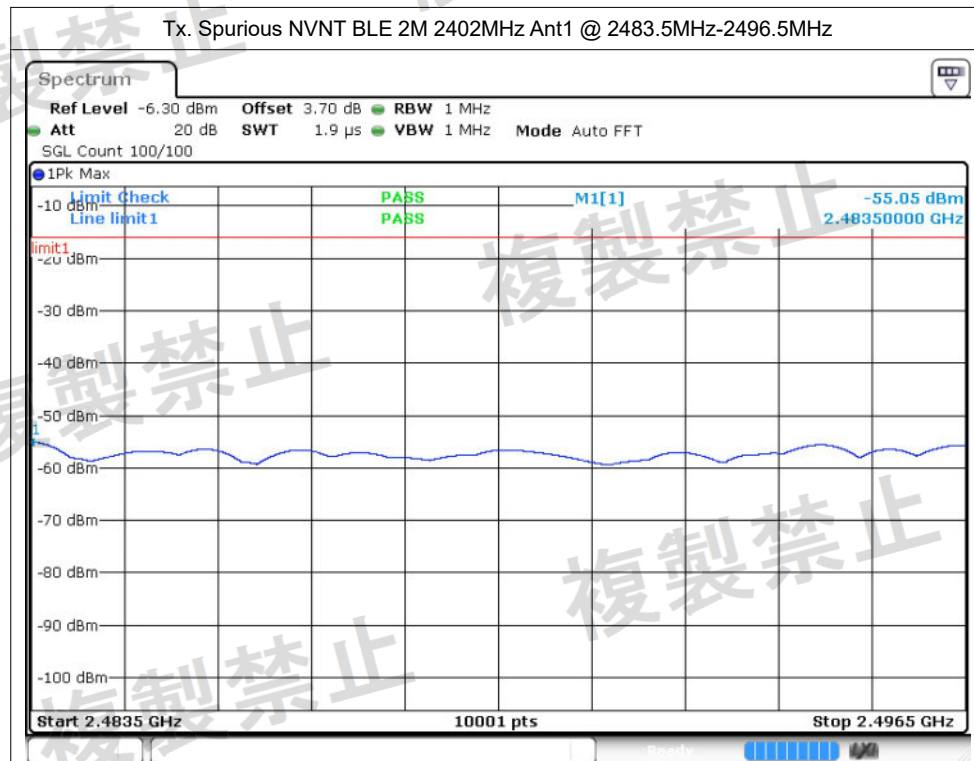


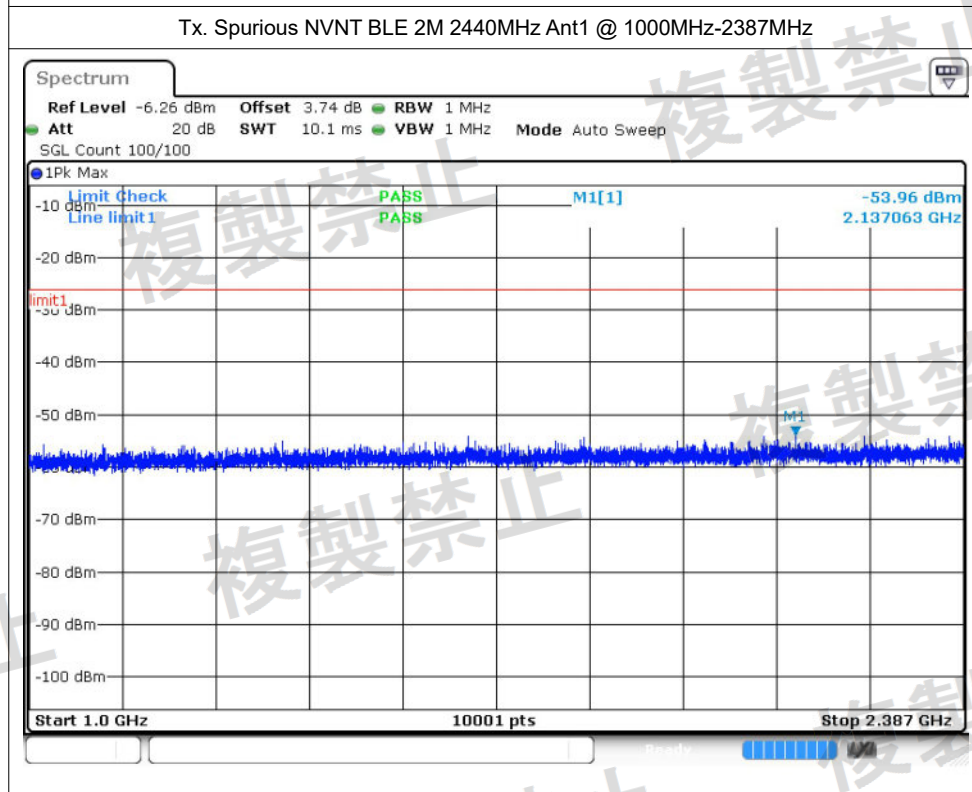
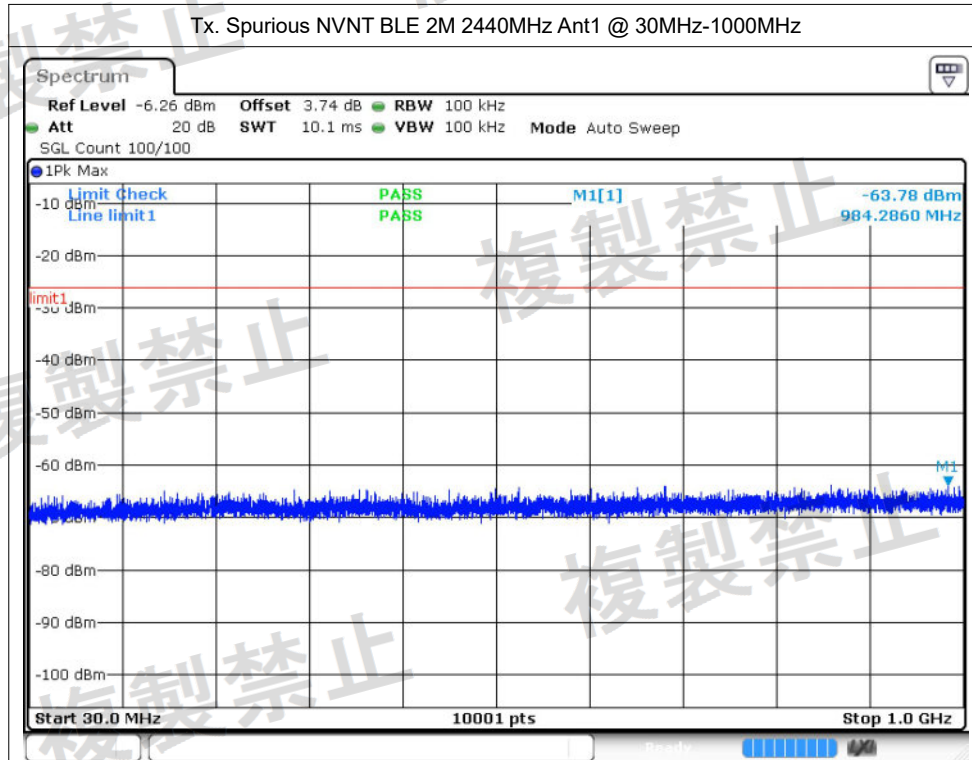


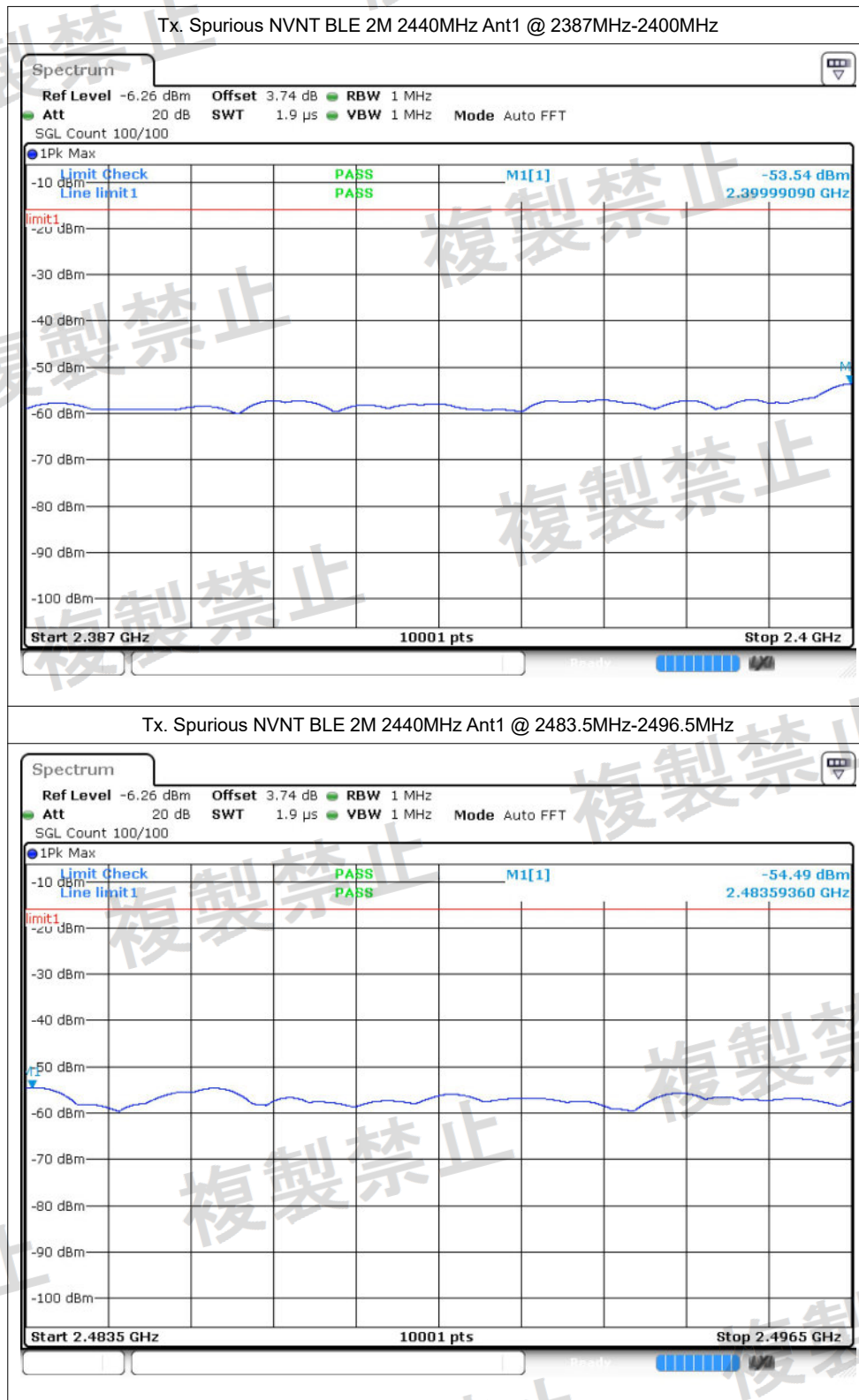


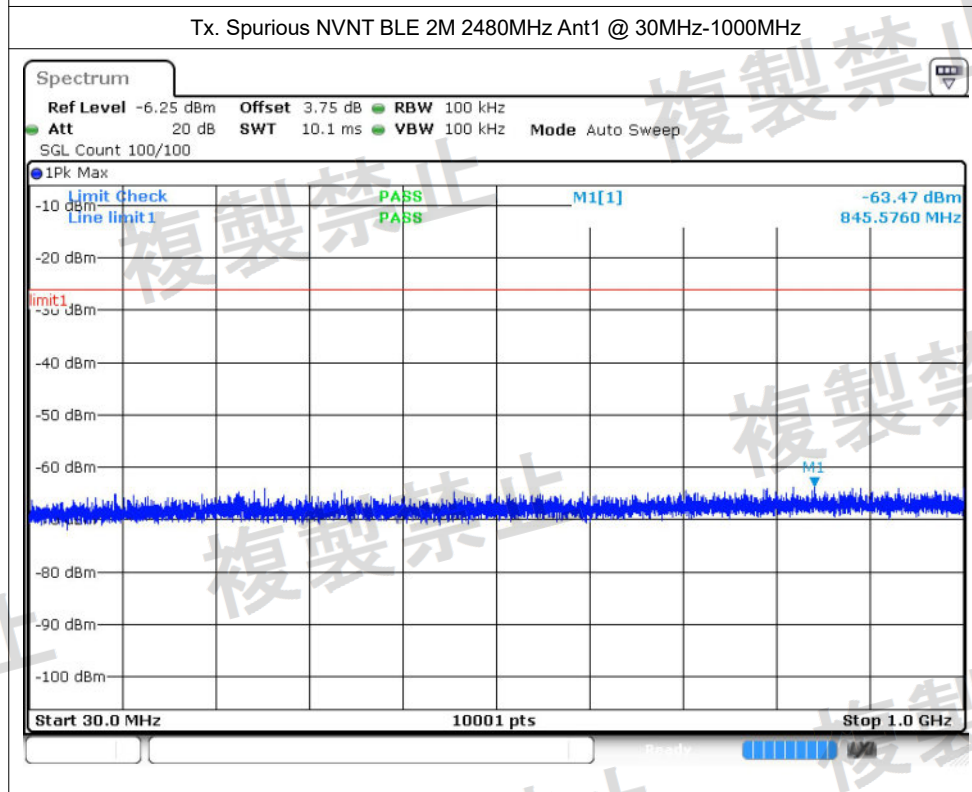
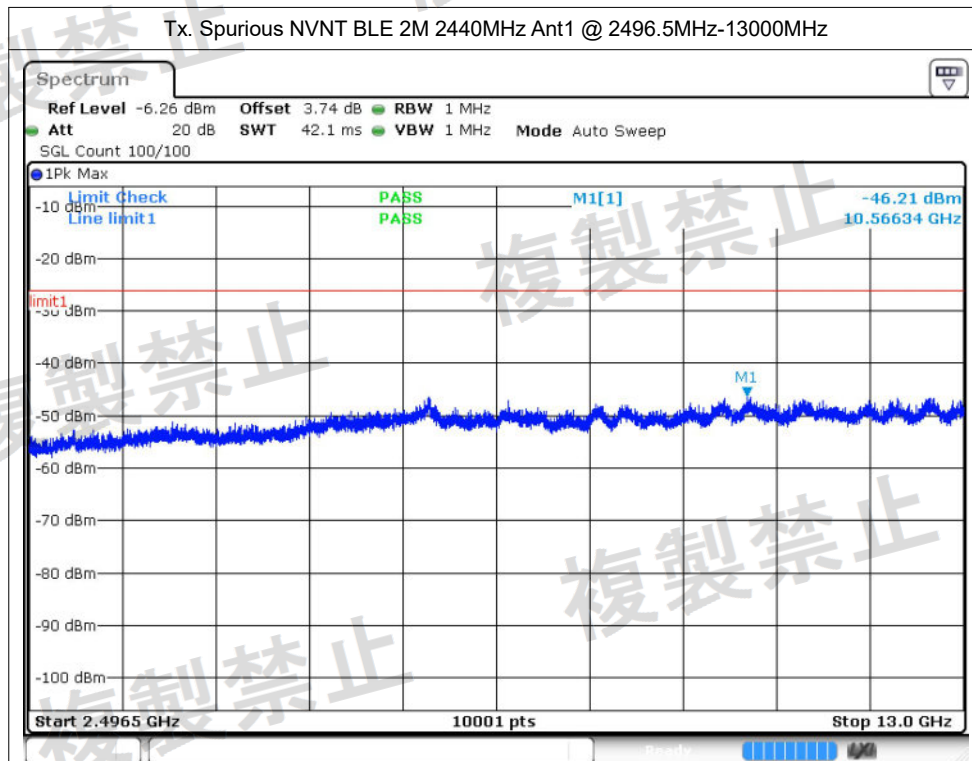


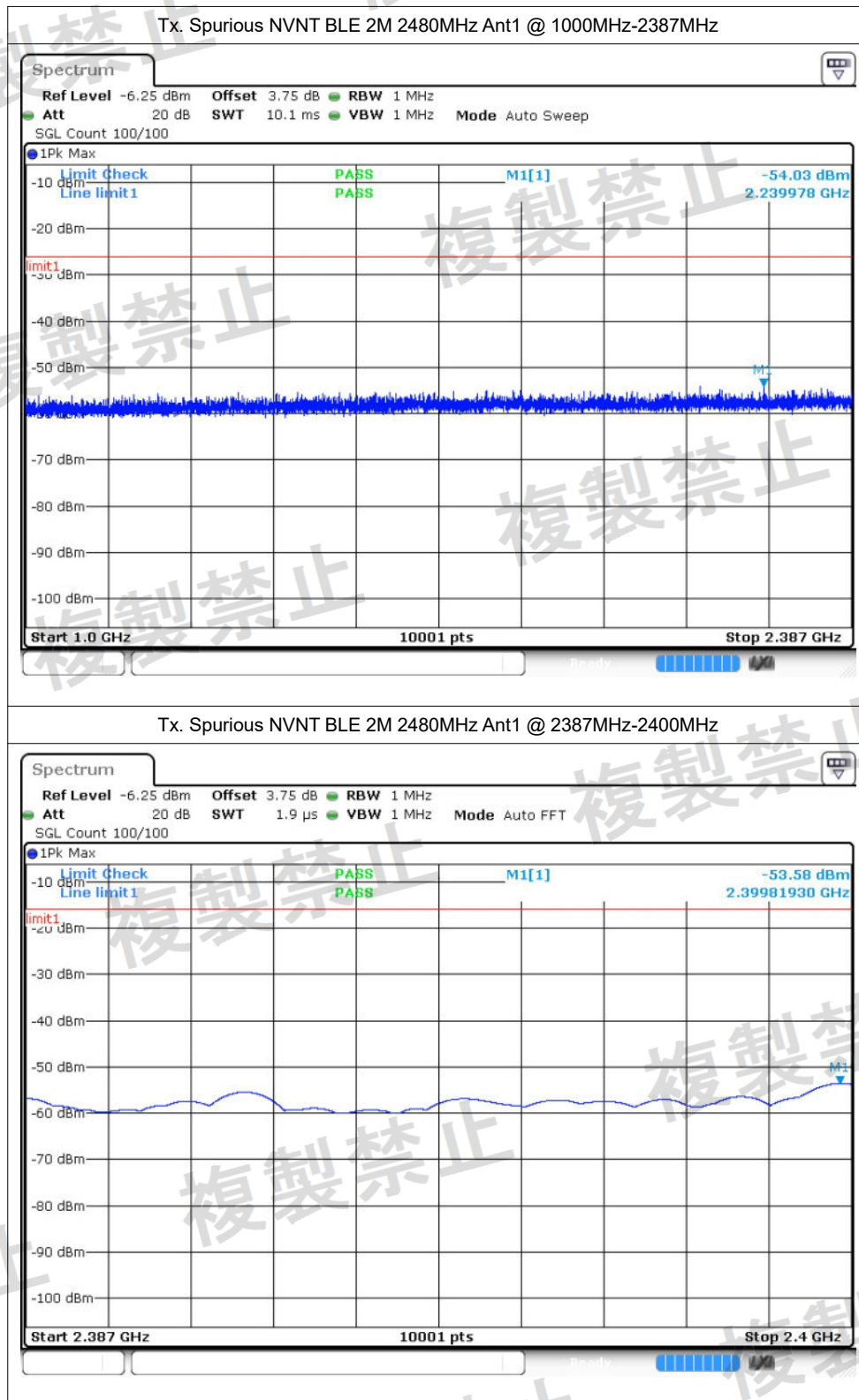


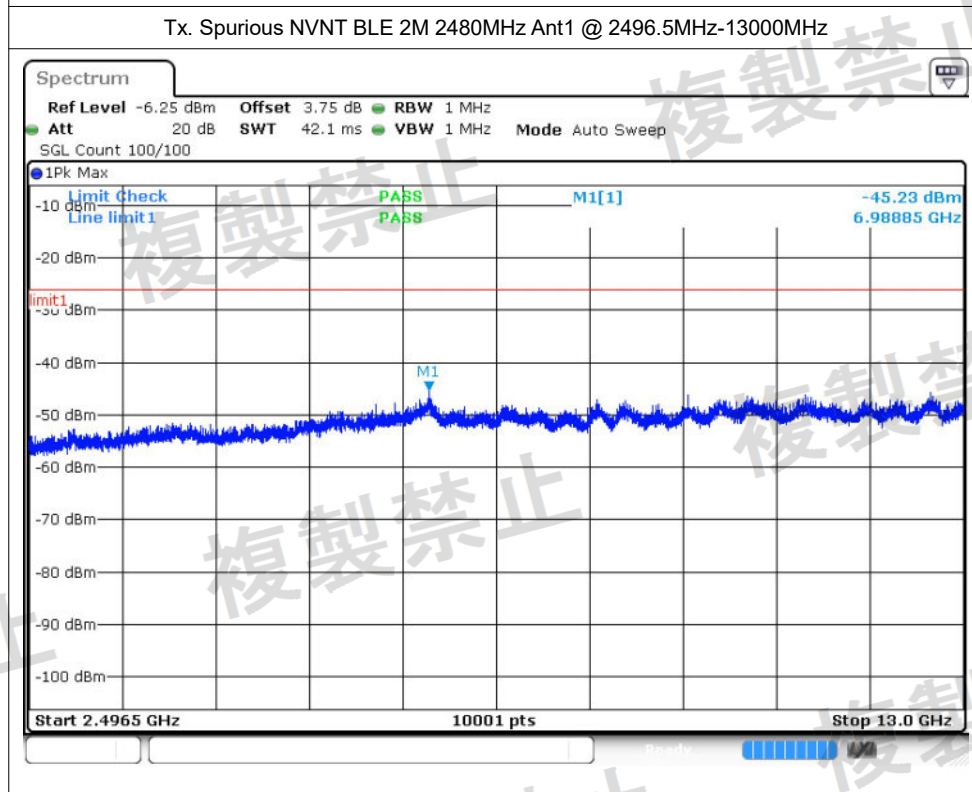
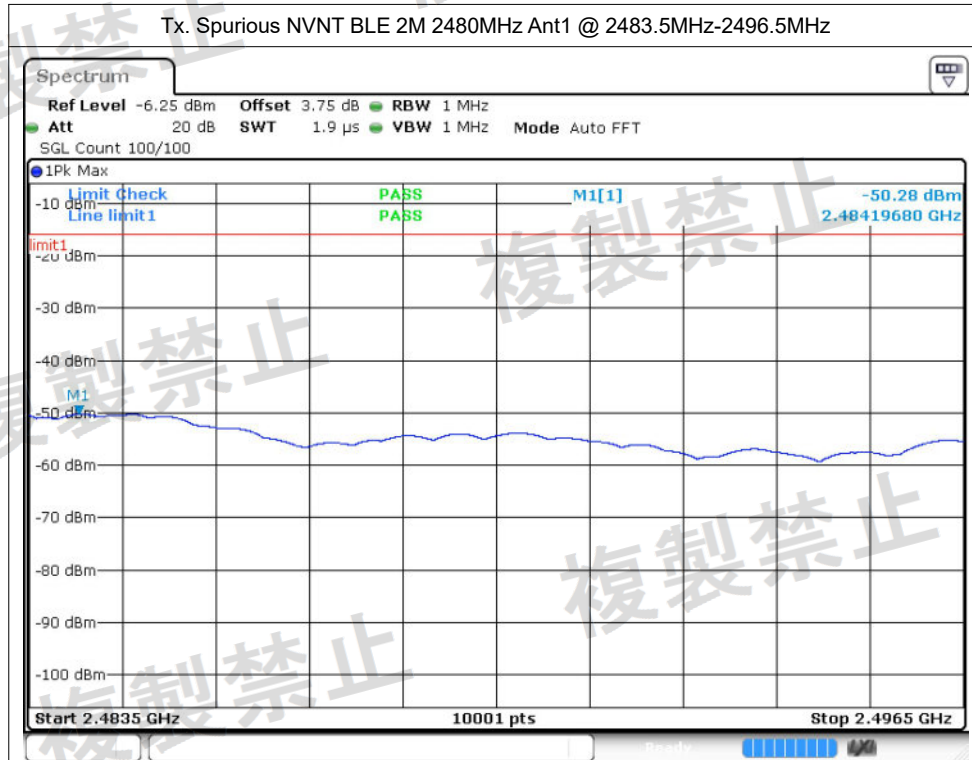












Rx Spurious Emission

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	77.38	-80.18	NA	0.0096	NA	4	Pass
NVNT	BLE 1M	2402	Ant1	1000-13000	12620.20	-66.26	NA	0.2366	NA	20	Pass
NVNT	BLE 2M	2402	Ant1	30-1000	77.48	-78.53	NA	0.014	NA	4	Pass
NVNT	BLE 2M	2402	Ant1	1000-13000	12621.40	-66.19	NA	0.2404	NA	20	Pass

