



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Dash Kit

Trade Mark: SCREENMATE

Test Model: TT22

Environmental Conditions

Temperature:	25.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen
Test Date:	2023-10-10



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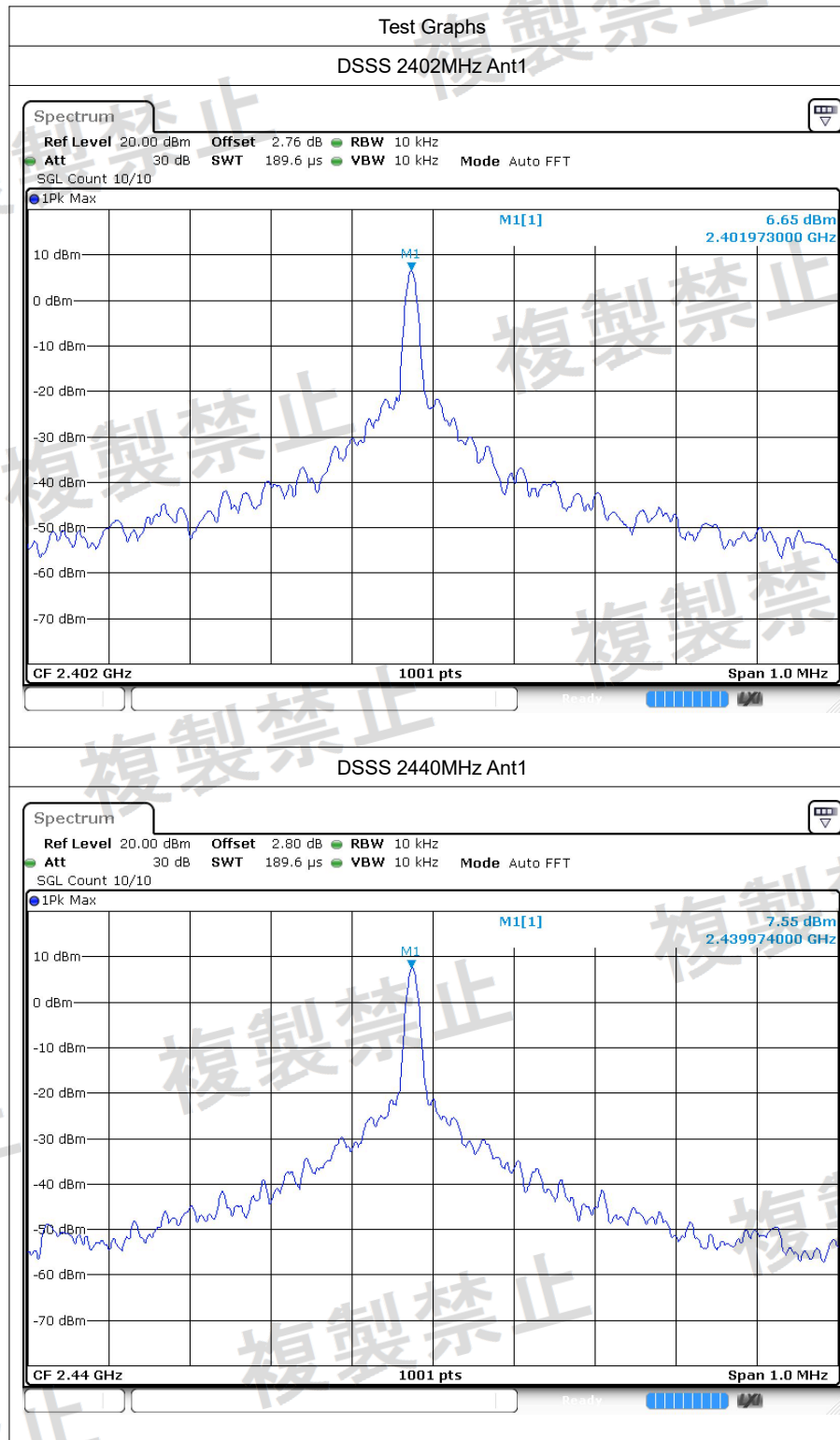


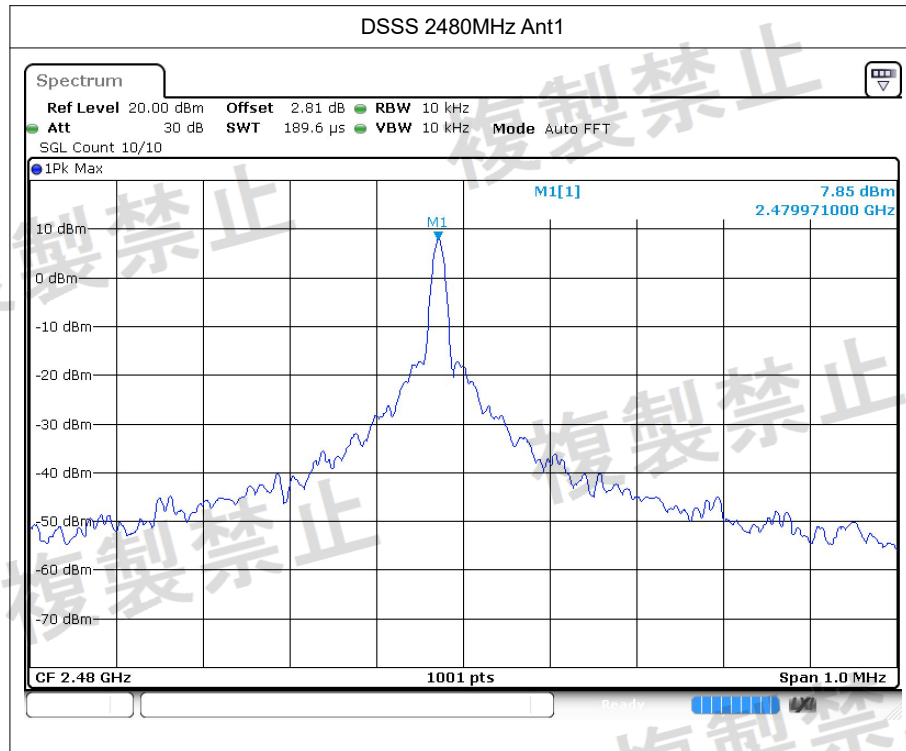
1 Frequency Error

1.1 Test Result

Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
DSSS	2402	Ant1	2401.973	-27000	-11.24	50	Pass
DSSS	2440	Ant1	2439.974	-26000	-10.66	50	Pass
DSSS	2480	Ant1	2479.971	-29000	-11.69	50	Pass

1.2 Test Graphs







2 Antenna and EIRP Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Power (dBm)	Power (dBm/MHz)	Antenna Power (mW)	Declared Power (mW)	Tolerance (%)	Upper Limit (%)	Lower Limit (%)	Verdict
BLE 1M	2402	Ant1	1.17	-	1.31	1.5	-12.72	20	-80	Pass
BLE 1M	2440	Ant1	1.88	-	1.54	1.5	2.78	20	-80	Pass
BLE 1M	2480	Ant1	1.34	-	1.36	1.5	-9.24	20	-80	Pass



3 EIRP Power

3.1 Test Result

Mode	Frequency (MHz)	Antenna	Power (dBm)	Gain (dBi)	EIRP Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	Ant1	1.17	1.5	2.67	10	Pass
BLE 1M	2440	Ant1	1.88	1.5	3.38	10	Pass
BLE 1M	2480	Ant1	1.34	1.5	2.84	10	Pass

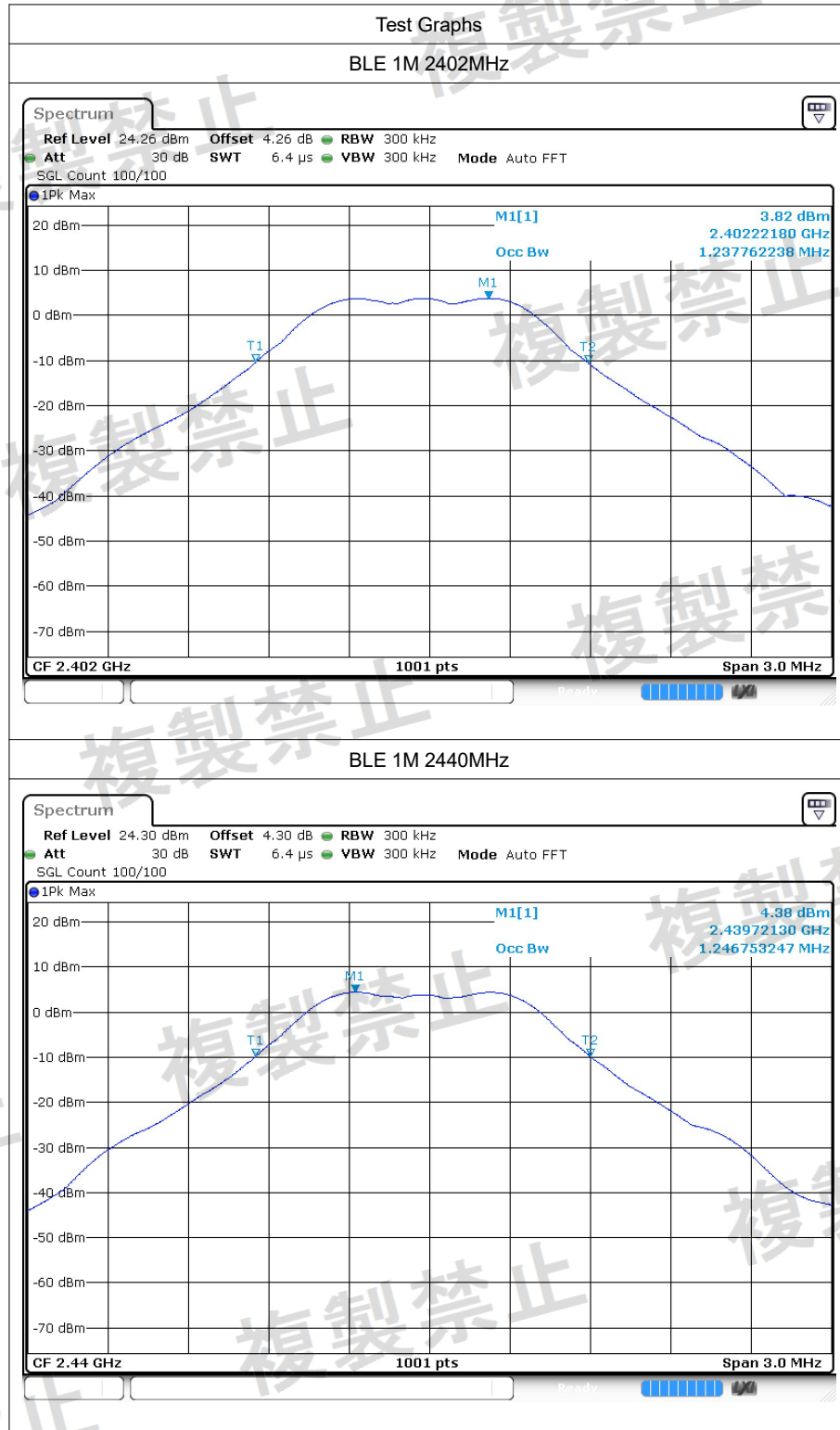


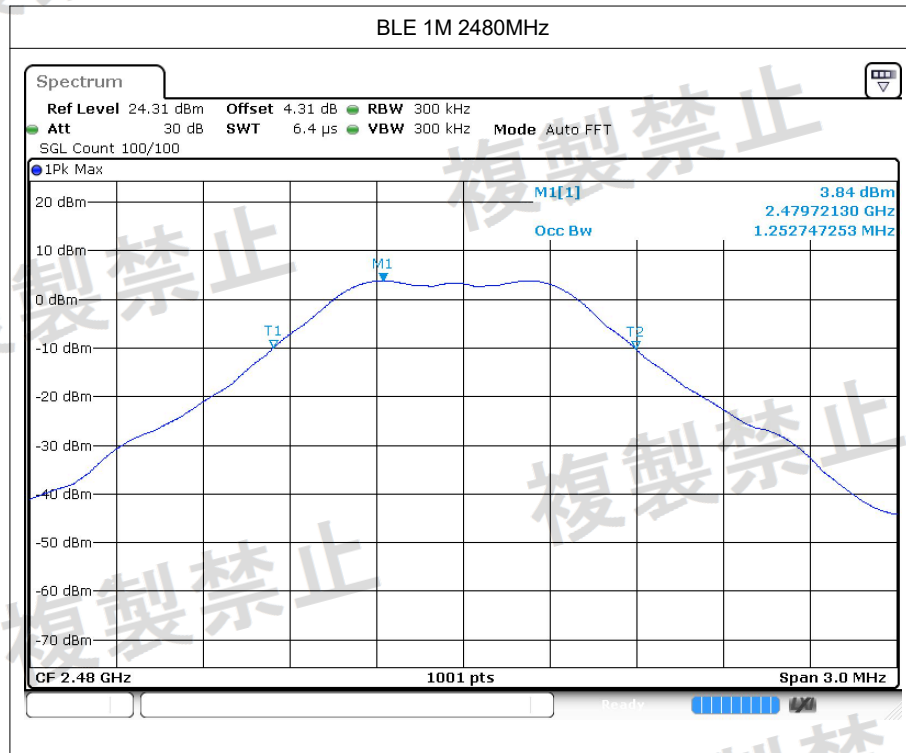
4 Occupied Channel Bandwidth

4.1 Test Result

Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
BLE 1M	2402	Ant1	1.238
BLE 1M	2440	Ant1	1.247
BLE 1M	2480	Ant1	1.253

4.2 Test Graphs







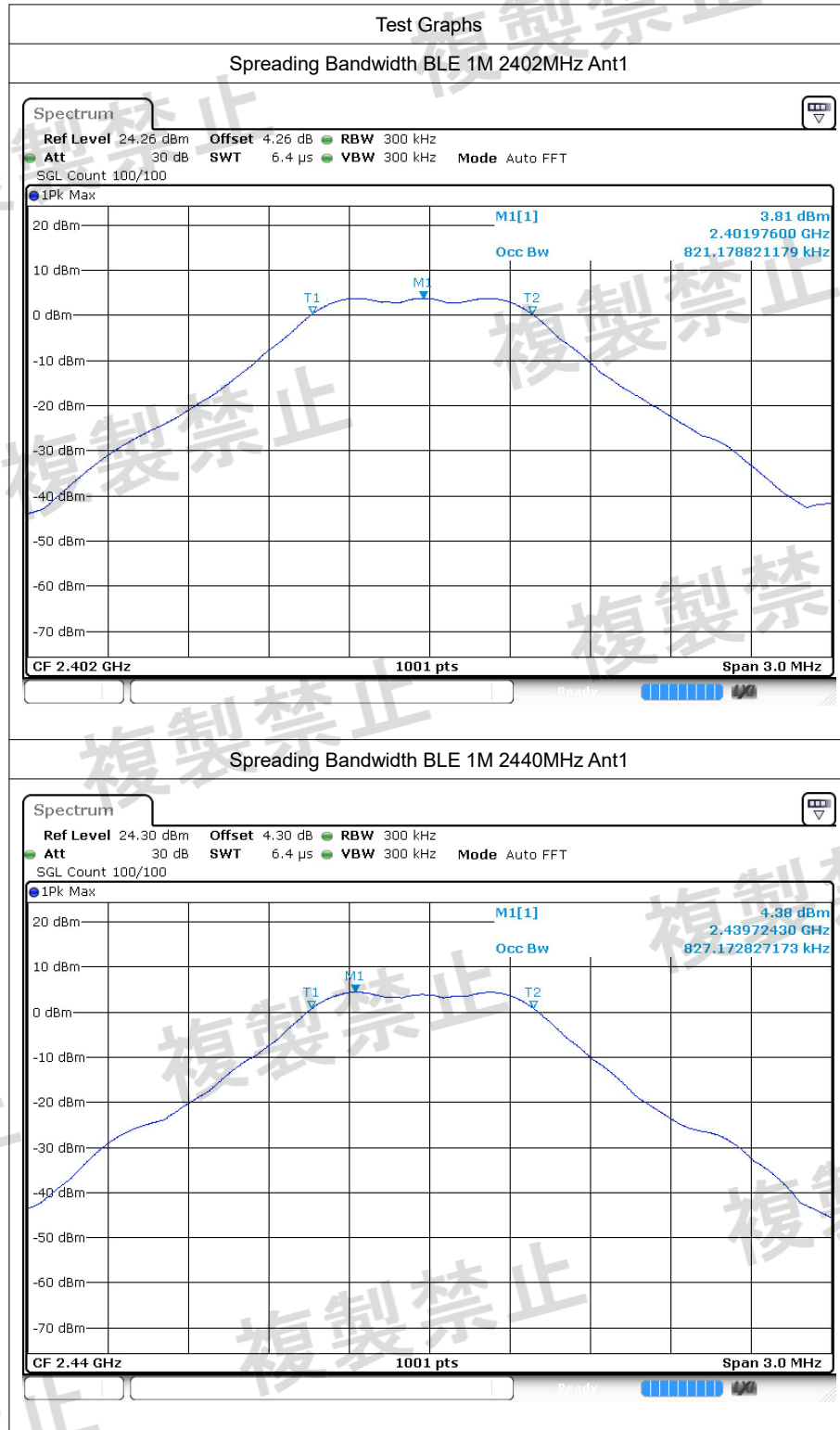
5 Spread Spectrum Bandwidth (90%)

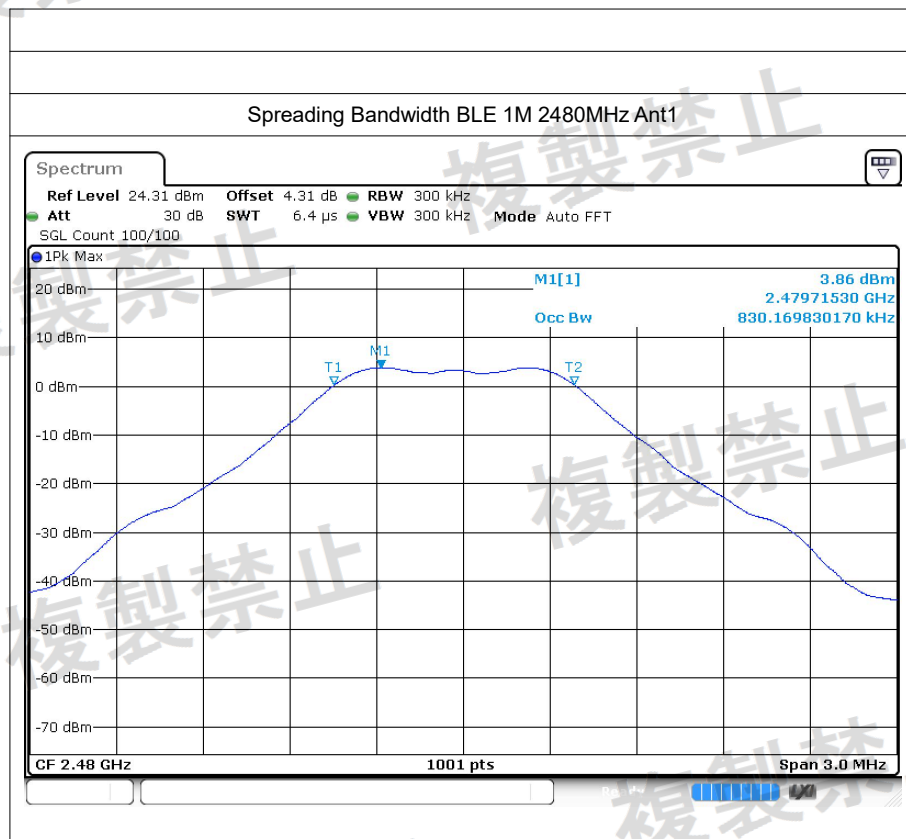
5.1 Test Result

Mode	Frequency (MHz)	Antenna	90% OBW (MHz)	Limit (MHz)	Verdict
BLE 1M	2402	Ant1	0.821	0.5	Pass
BLE 1M	2440	Ant1	0.827	0.5	Pass
BLE 1M	2480	Ant1	0.83	0.5	Pass



5.2 Test Graphs





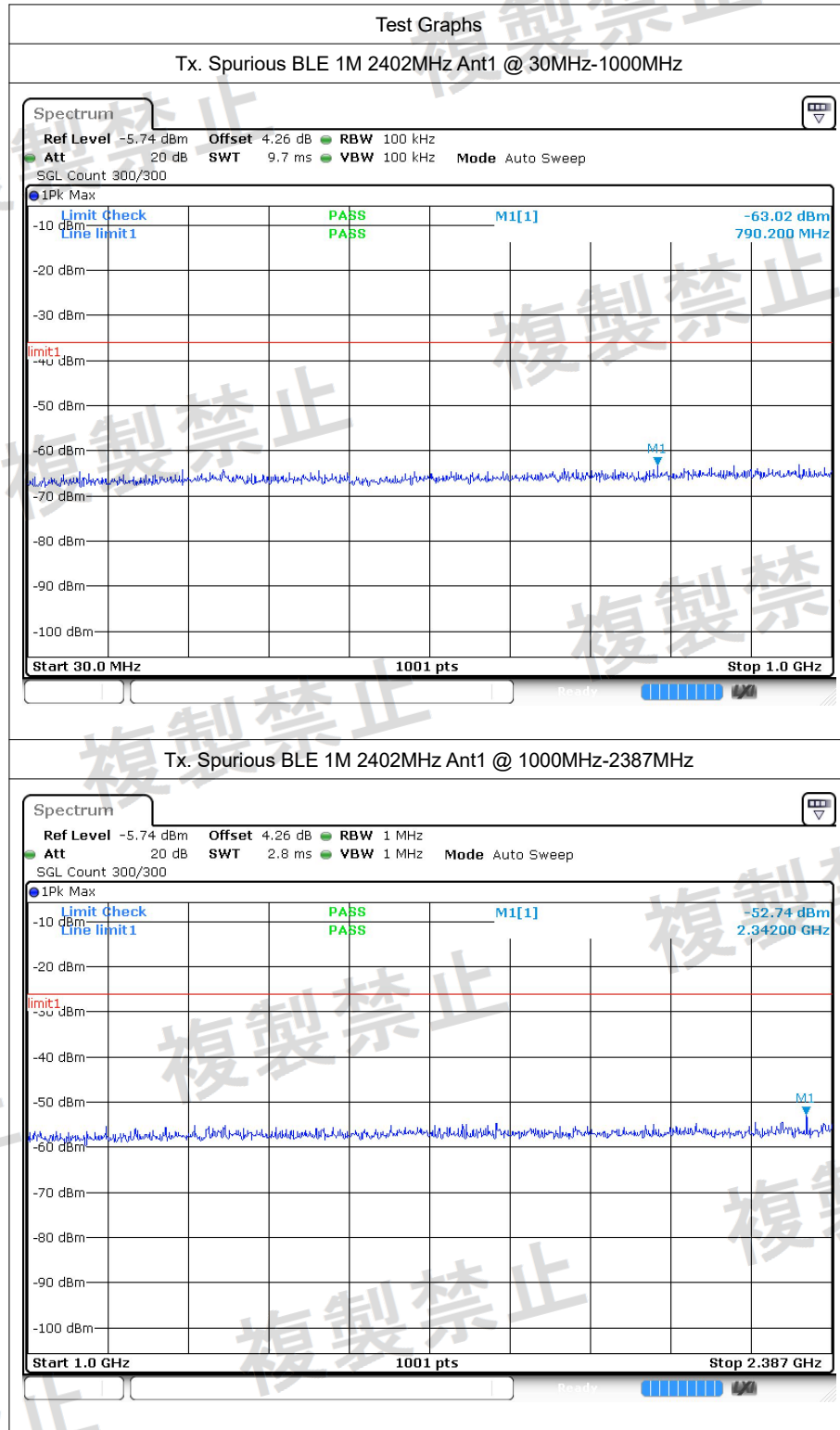


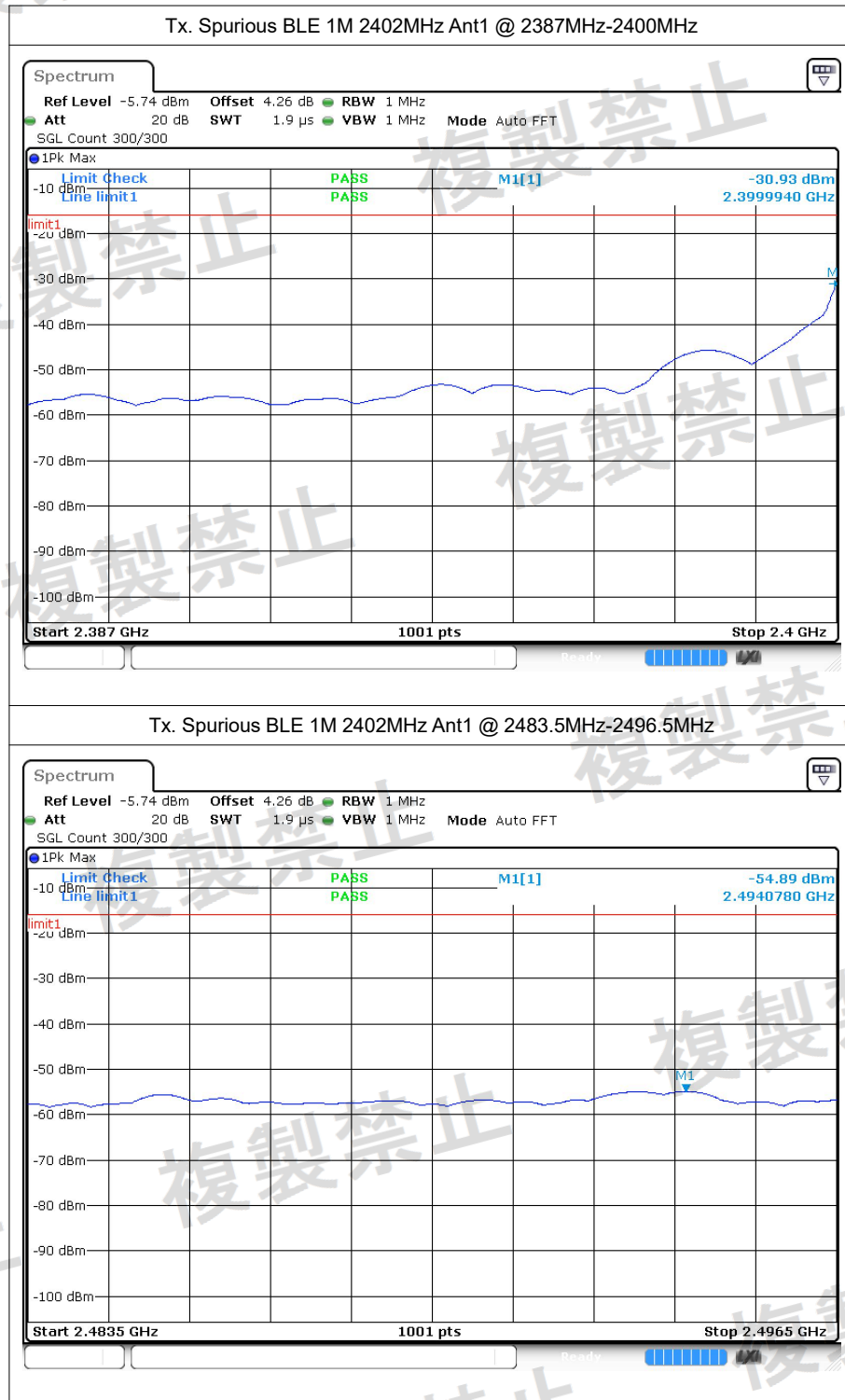
6 Tx Spurious Emission

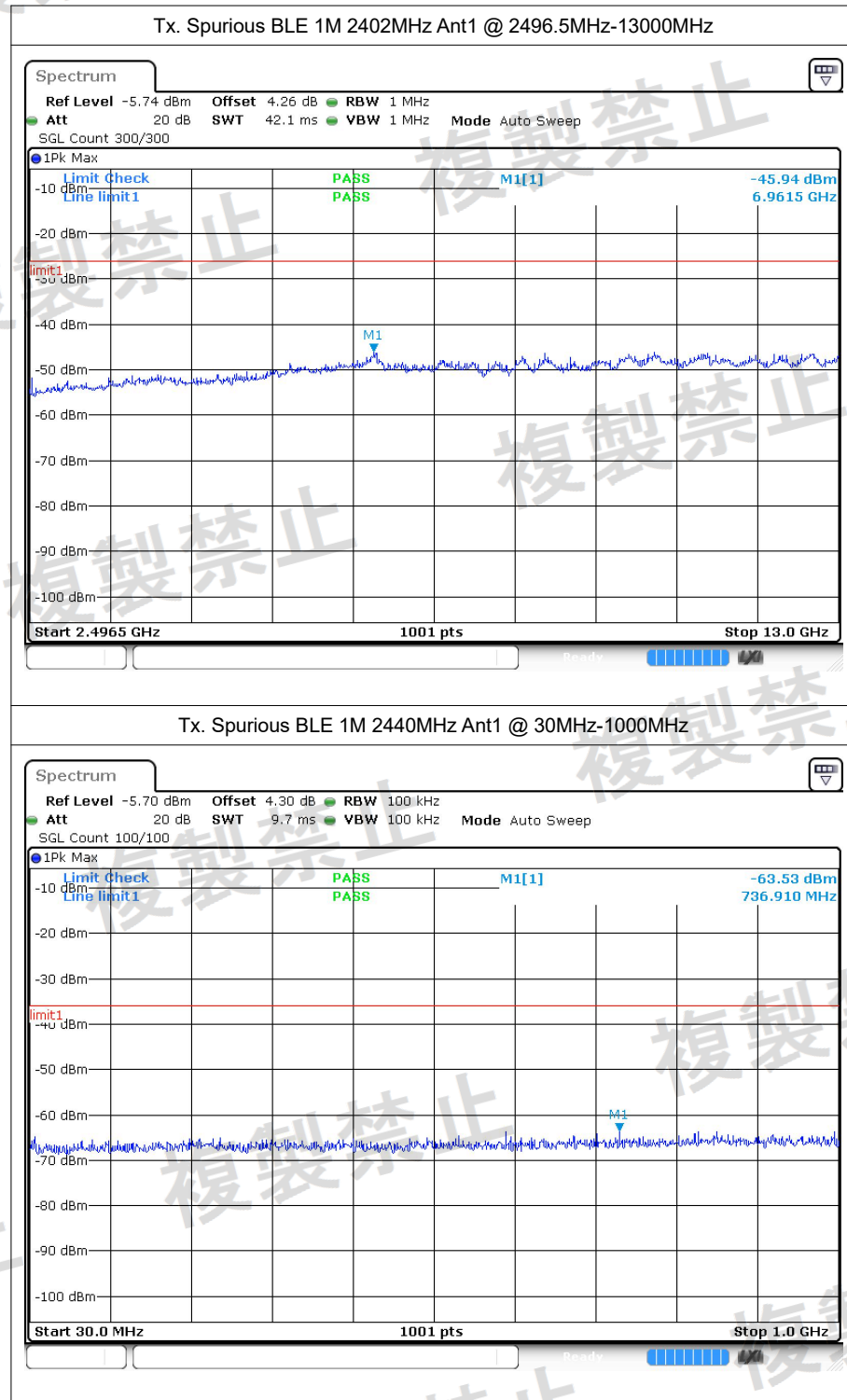
6.1 Test Result

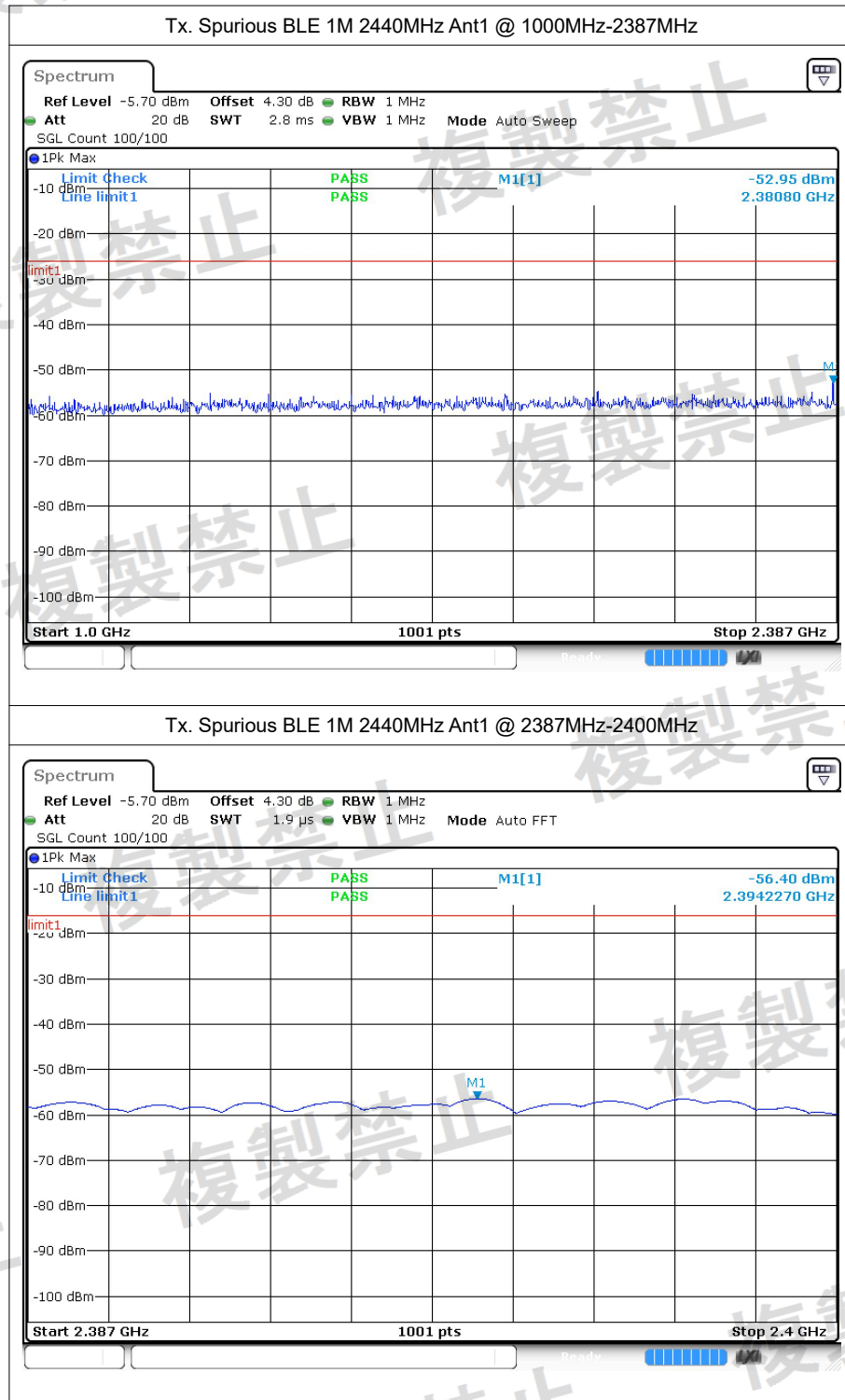
Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Limit Start(dBm)	Limit Stop (dBm)	Verdict
BLE 1M	2402	Ant1	30-1000	790.2	-53.02	-36	-36	Pass
BLE 1M	2402	Ant1	1000-2387	2342	-52.74	-26	-26	Pass
BLE 1M	2402	Ant1	2387-2400	2399.99	-30.93	-16	-16	Pass
BLE 1M	2402	Ant1	2483.5-2496.5	2494.08	-54.89	-16	-16	Pass
BLE 1M	2402	Ant1	2496.5-13000	6961.5	-45.94	-26	-26	Pass
BLE 1M	2440	Ant1	30-1000	736.91	-53.53	-36	-36	Pass
BLE 1M	2440	Ant1	1000-2387	2380.8	-52.95	-26	-26	Pass
BLE 1M	2440	Ant1	2387-2400	2394.23	-56.4	-16	-16	Pass
BLE 1M	2440	Ant1	2483.5-2496.5	2490.34	-55.1	-16	-16	Pass
BLE 1M	2440	Ant1	2496.5-13000	12270.5	-46.26	-26	-26	Pass
BLE 1M	2480	Ant1	30-1000	928.78	-53.56	-36	-36	Pass
BLE 1M	2480	Ant1	1000-2387	2120.3	-53.98	-26	-26	Pass
BLE 1M	2480	Ant1	2387-2400	2393.9	-55.49	-16	-16	Pass
BLE 1M	2480	Ant1	2483.5-2496.5	2484.34	-48.92	-16	-16	Pass
BLE 1M	2480	Ant1	2496.5-13000	11179.5	-45.76	-26	-26	Pass

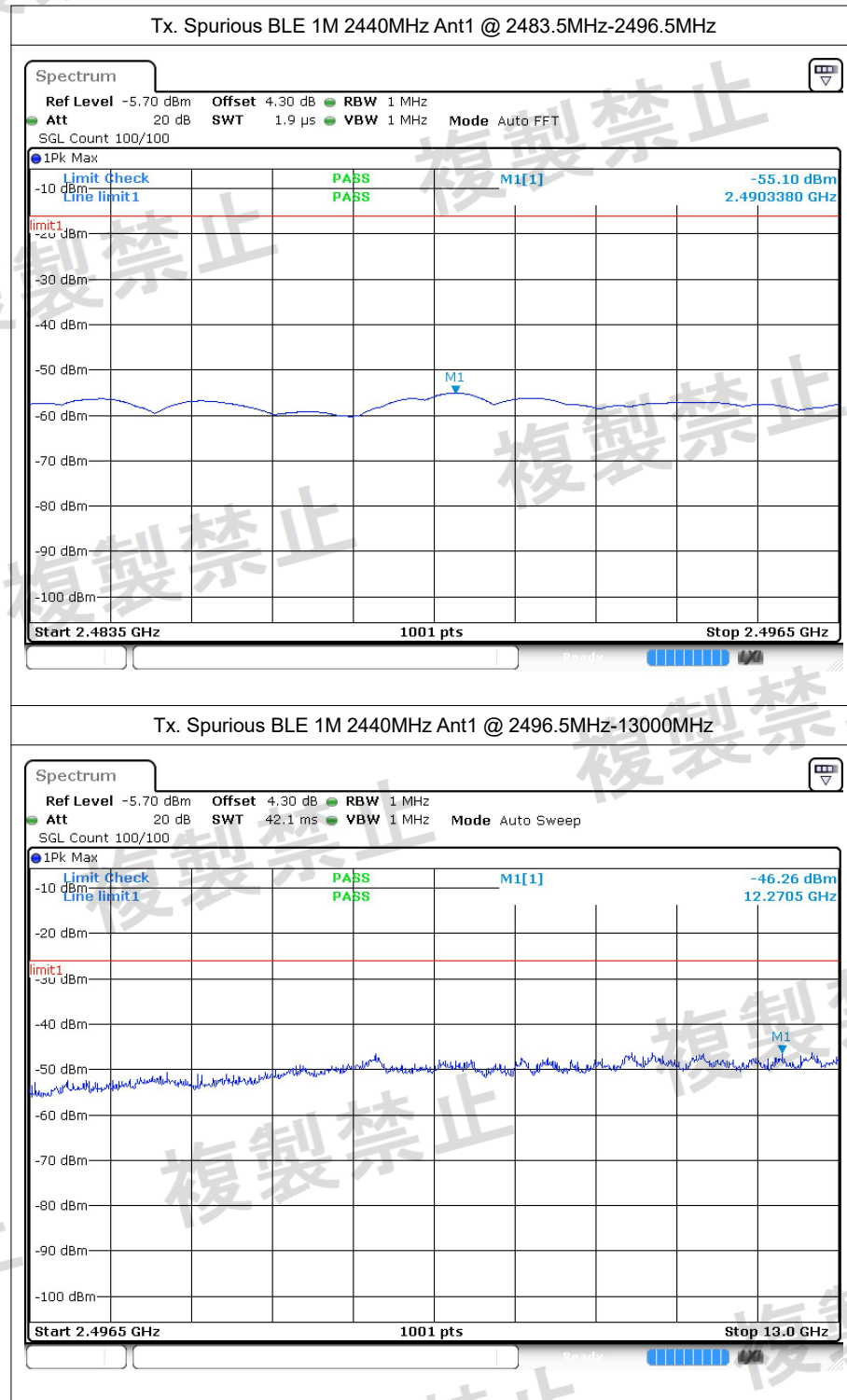
6.2 Test Graphs

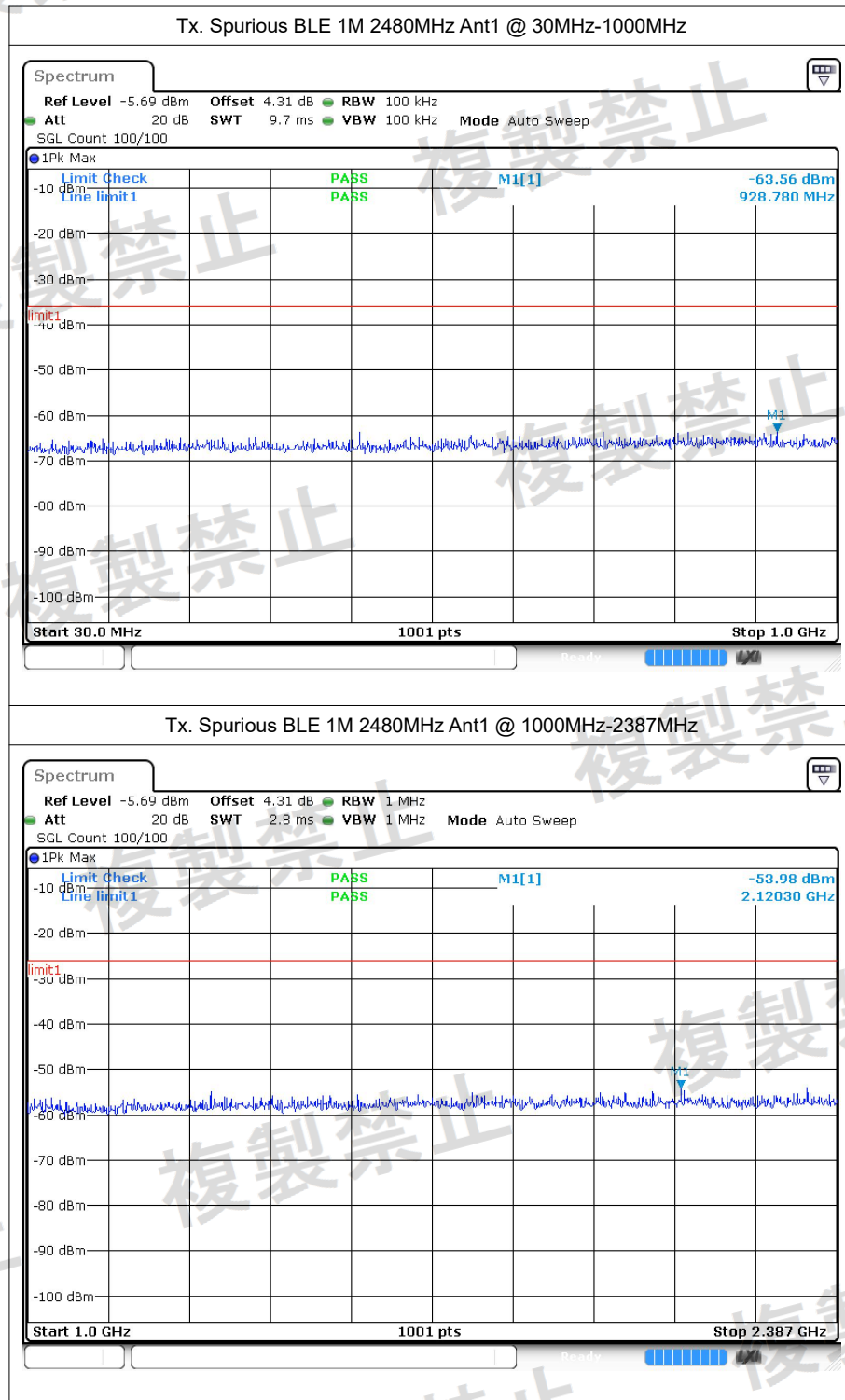


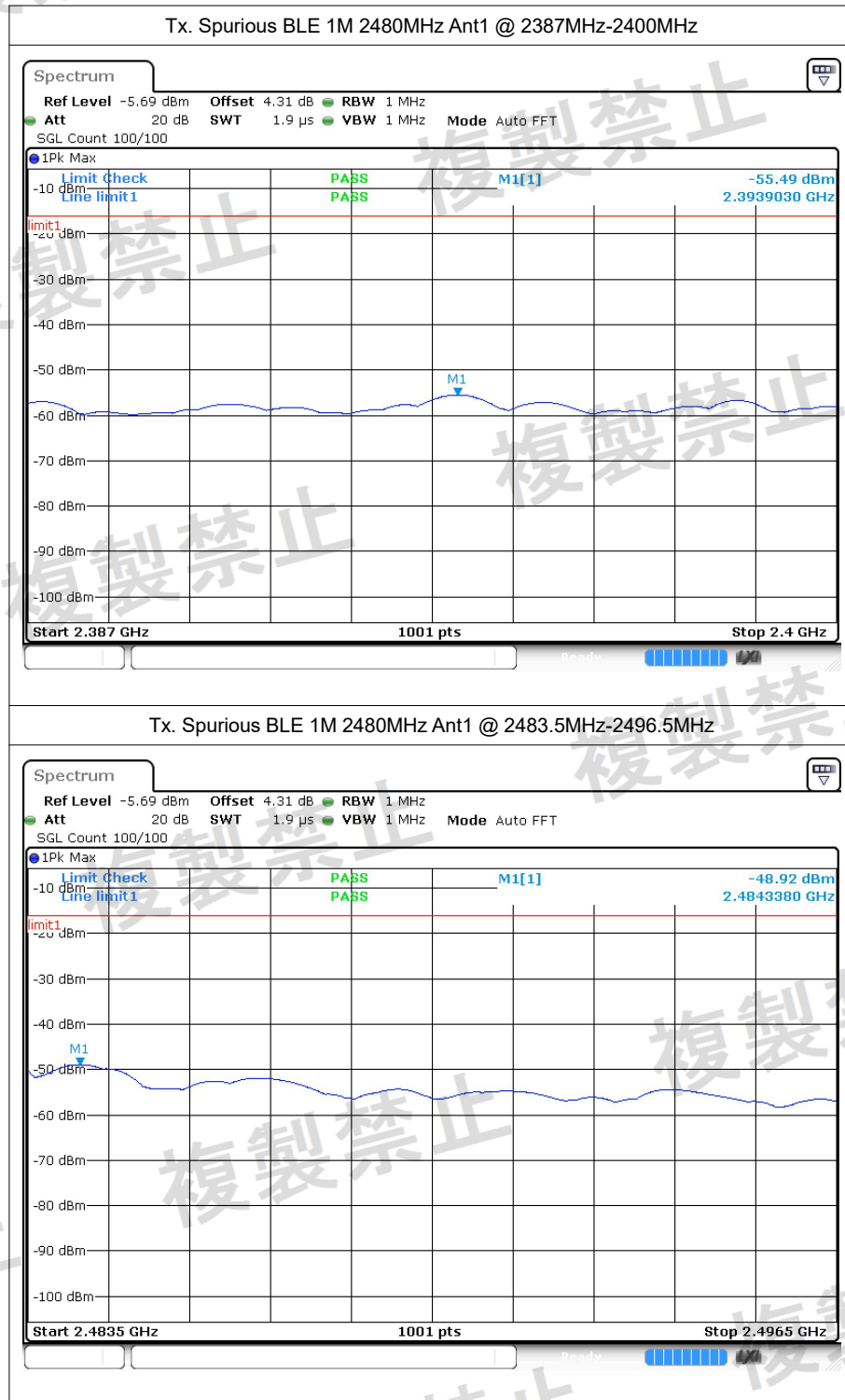


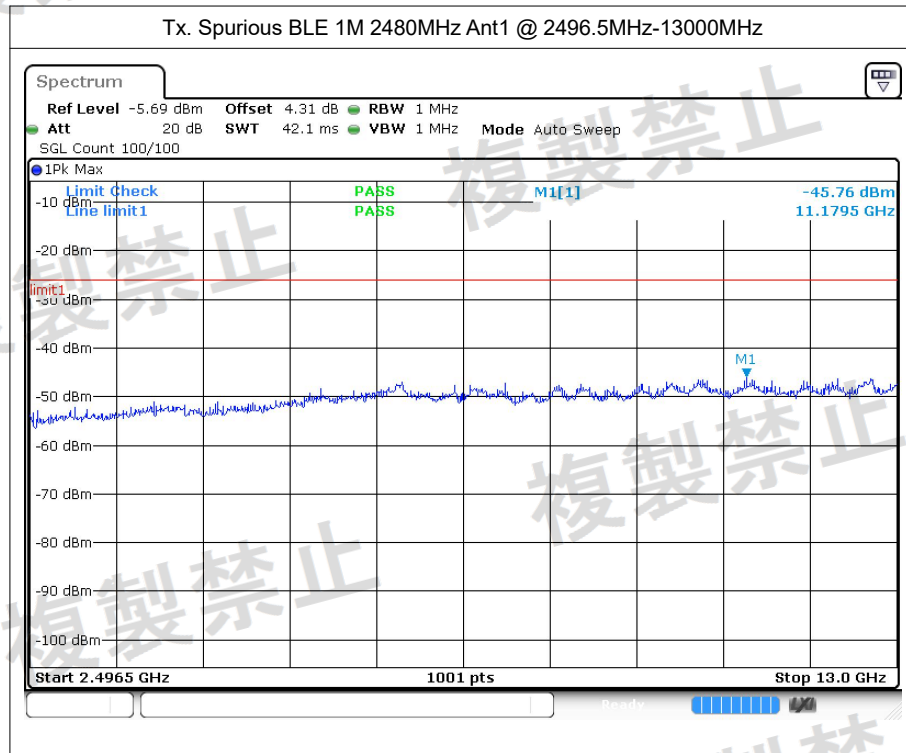














7 Rx Spurious Emission

7.1 Test Result

Mode	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Limit (dBm)	Verdict
BLE 1M	Ant1	30-1000	880.32	-83.77	-54	Pass
BLE 1M	Ant1	1000-13000	1749	-56.89	-47	Pass

7.2 Test Graphs

