



Appendix C

RF Test Data for BT (BLE) (Conducted Measurement)

Product Name: Electronic kitchen scale

Trade Mark: N/A

Test Model: KF209

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen

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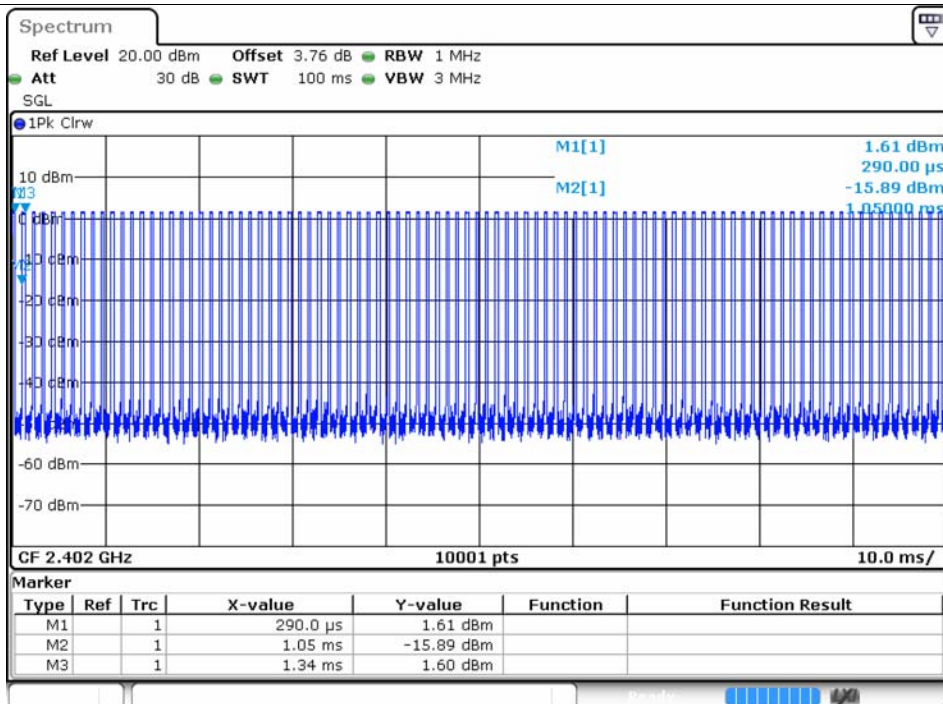
1 Duty Cycle

1.1 Test Result

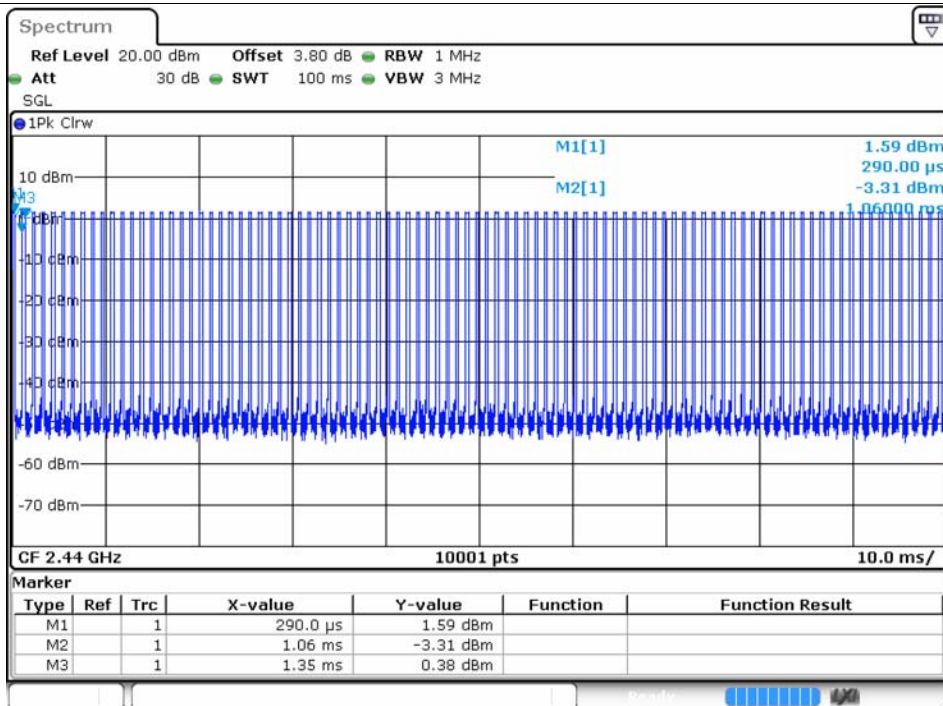
Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
BLE 1M	2402	28.51	5.45	3.45
BLE 1M	2440	28.54	5.45	3.45
BLE 1M	2480	28.55	5.44	3.45

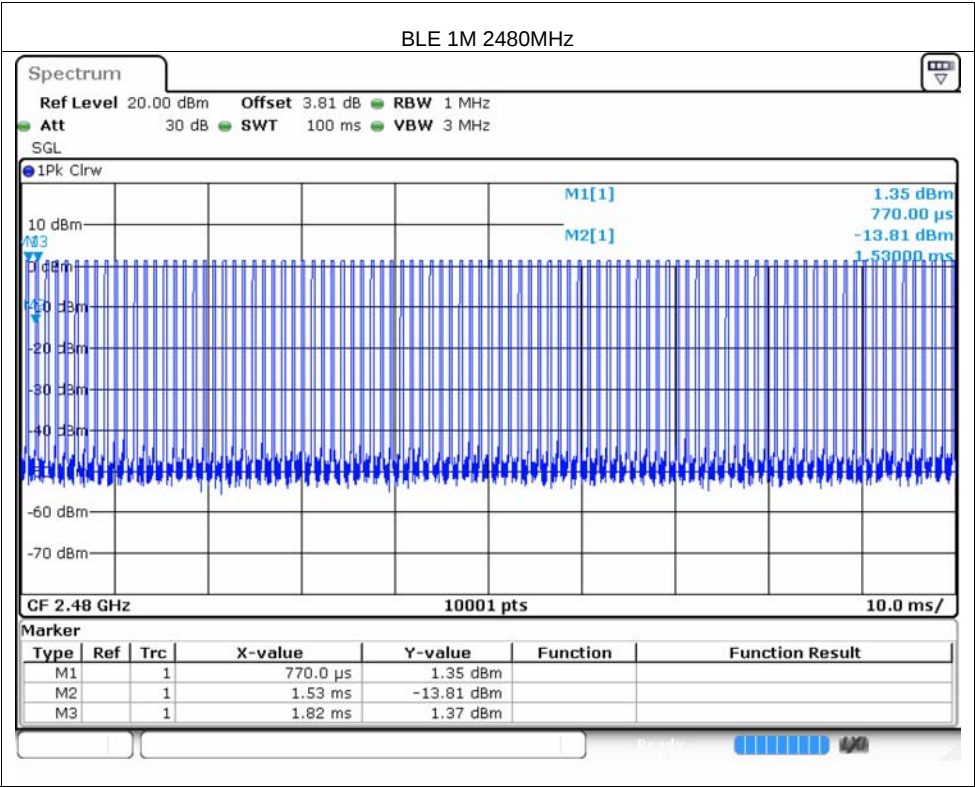
Test Graphs

BLE 1M 2402MHz



BLE 1M 2440MHz Ant1



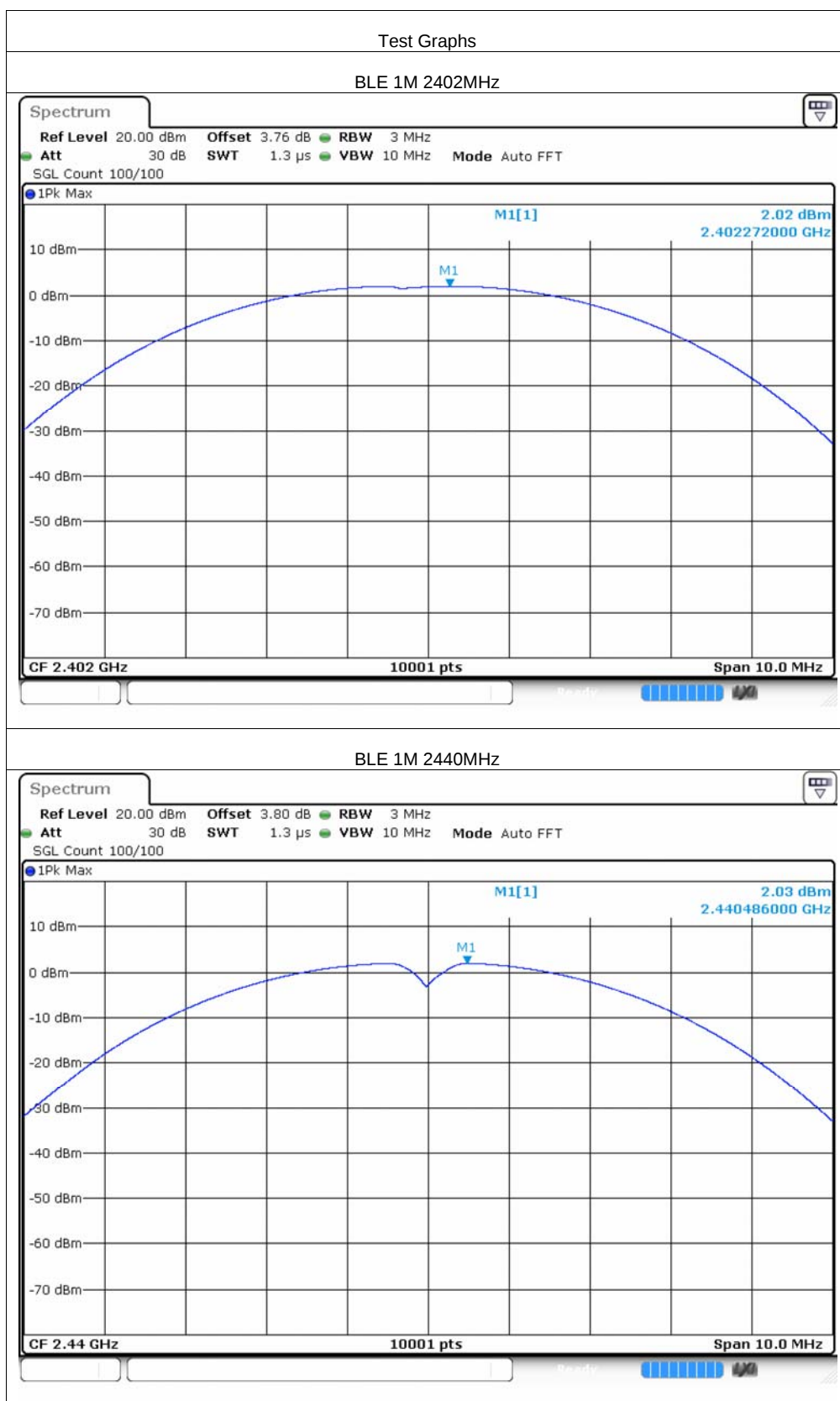


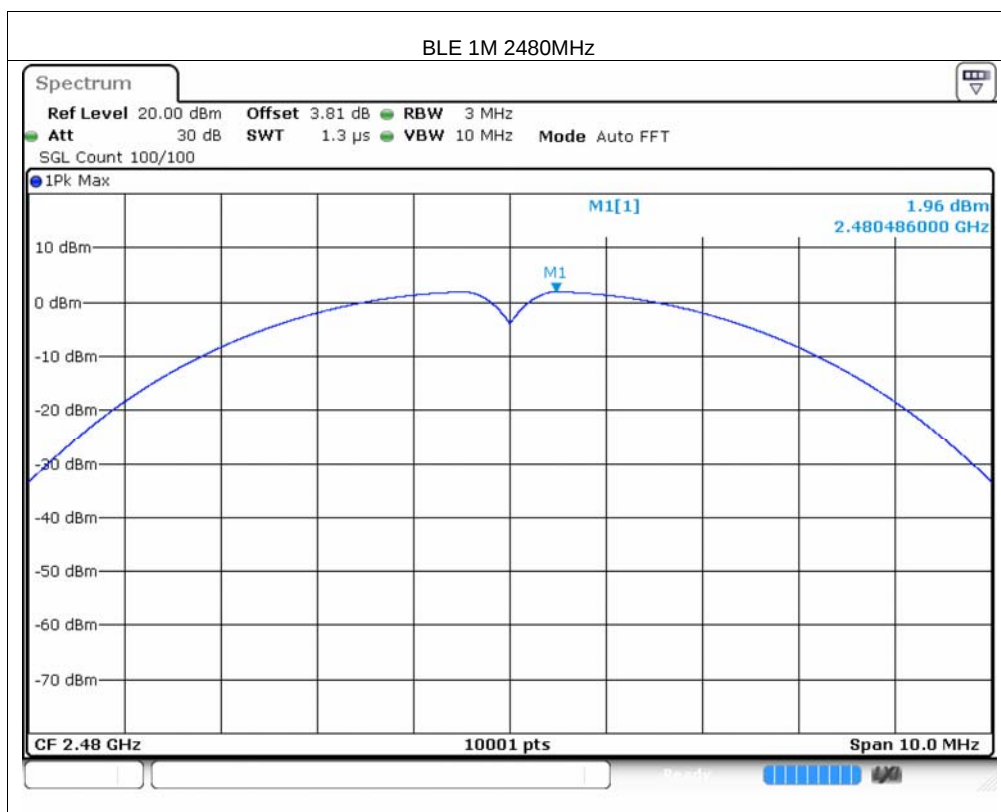
2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	2.02	30	Pass
BLE 1M	2440	2.03	30	Pass
BLE 1M	2480	1.96	30	Pass

2.2 Test Graphs



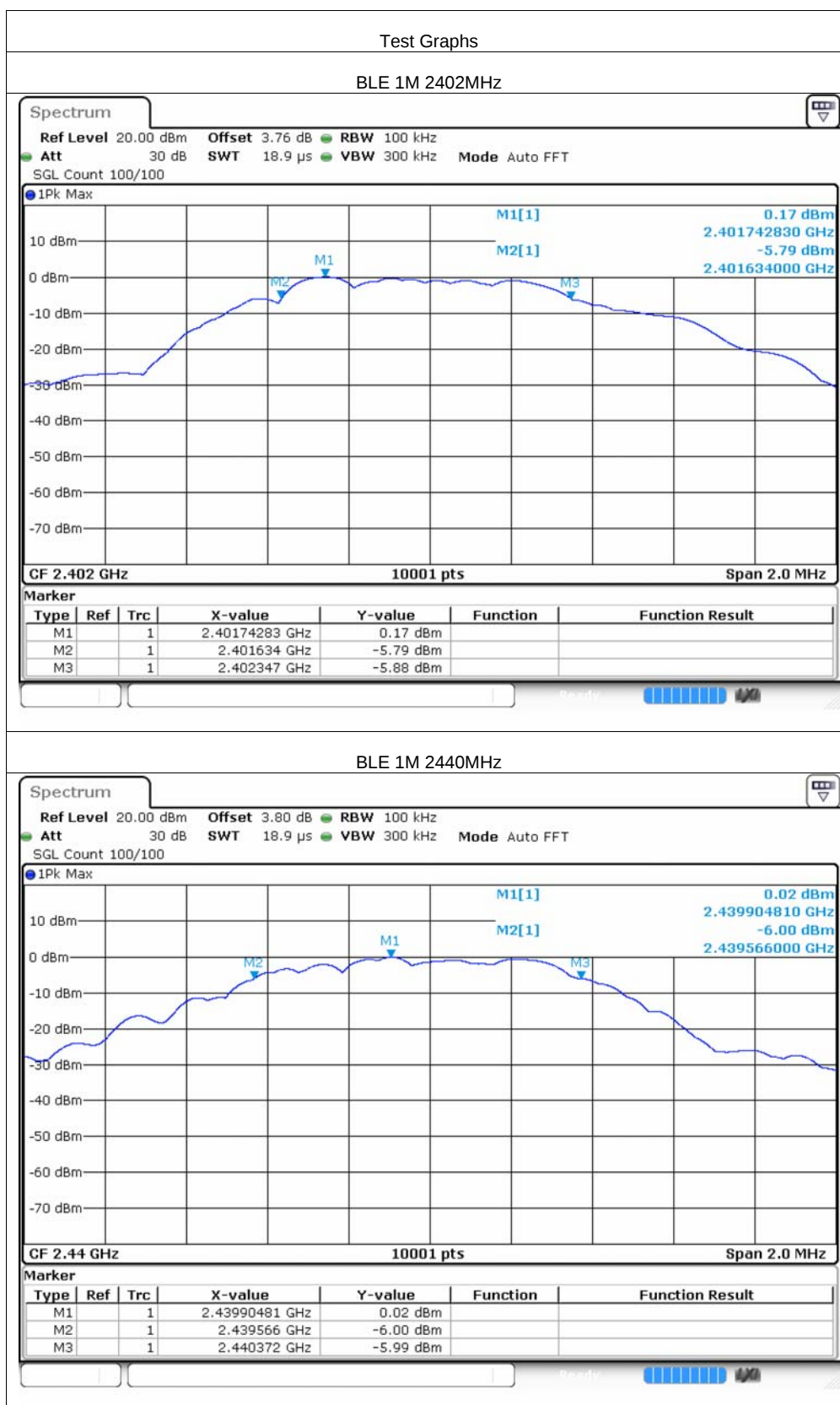


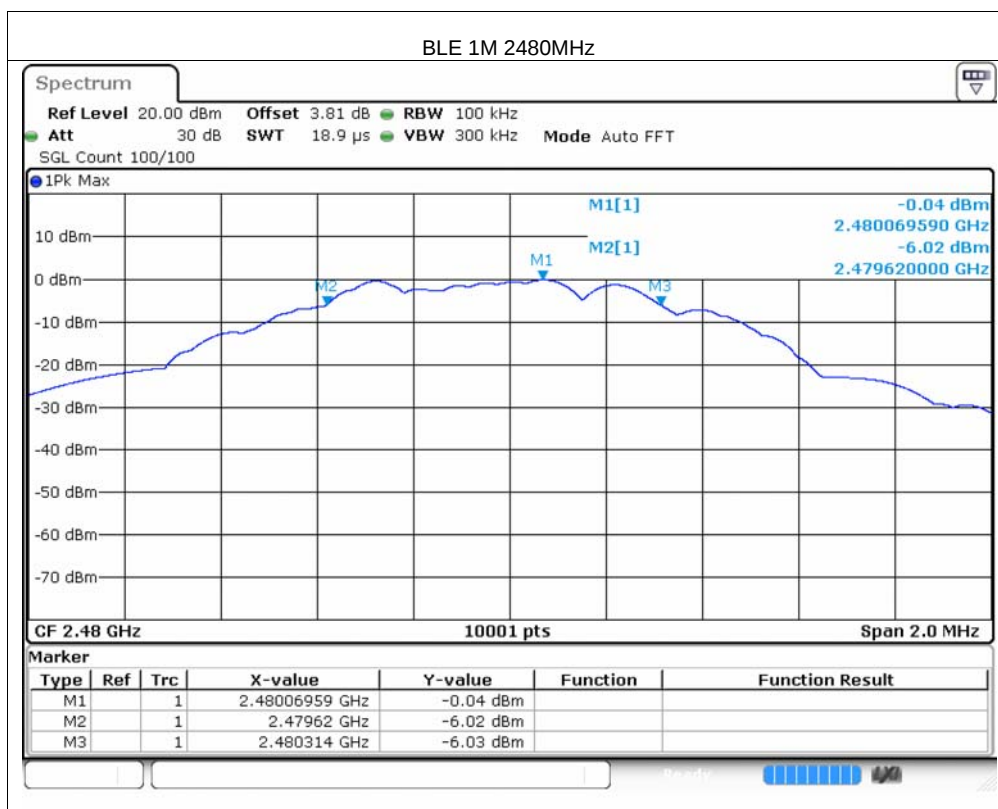
3 -6dB Bandwidth

3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.713	0.5	Pass
BLE 1M	2440	0.805	0.5	Pass
BLE 1M	2480	0.694	0.5	Pass

3.2 Test Graphs



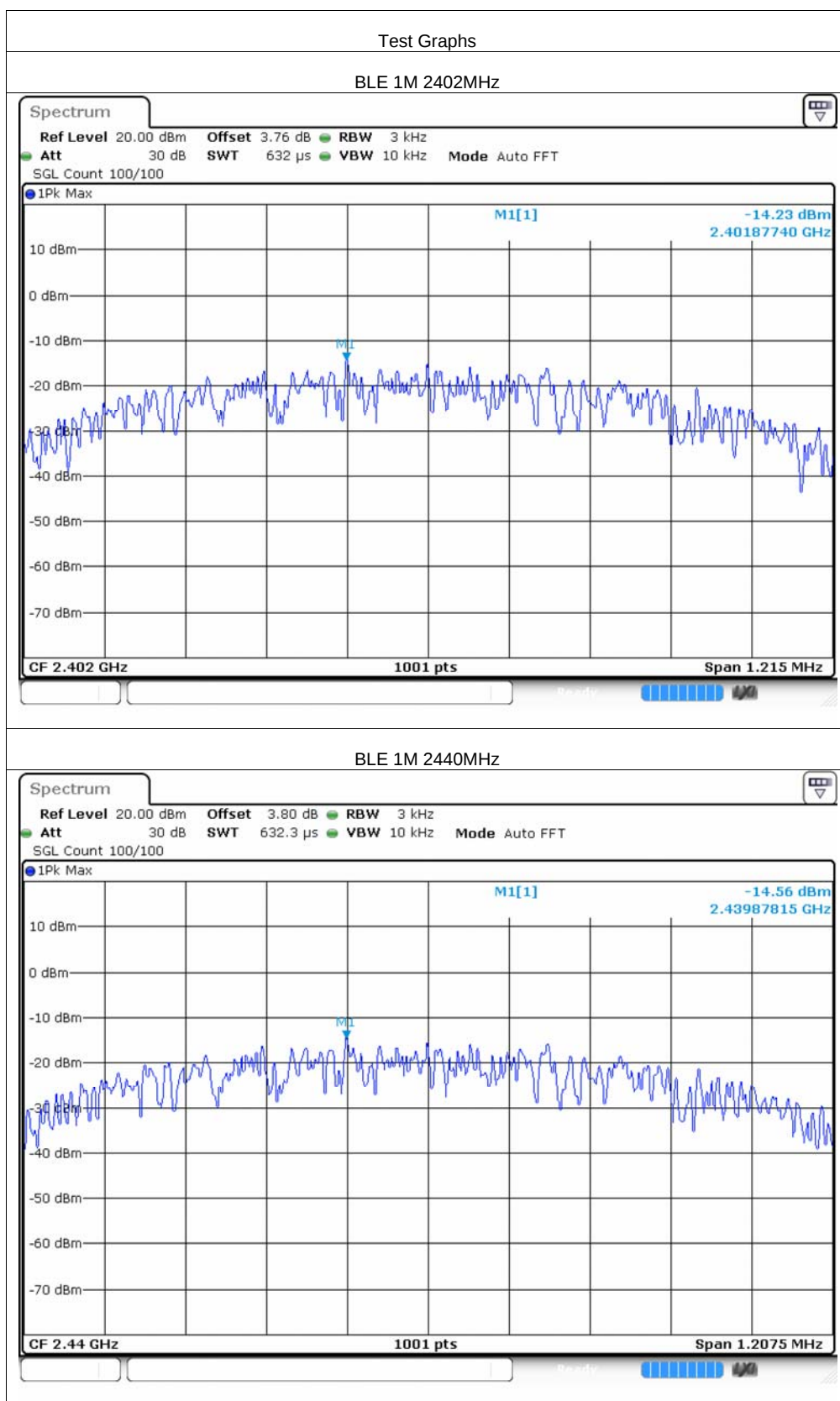


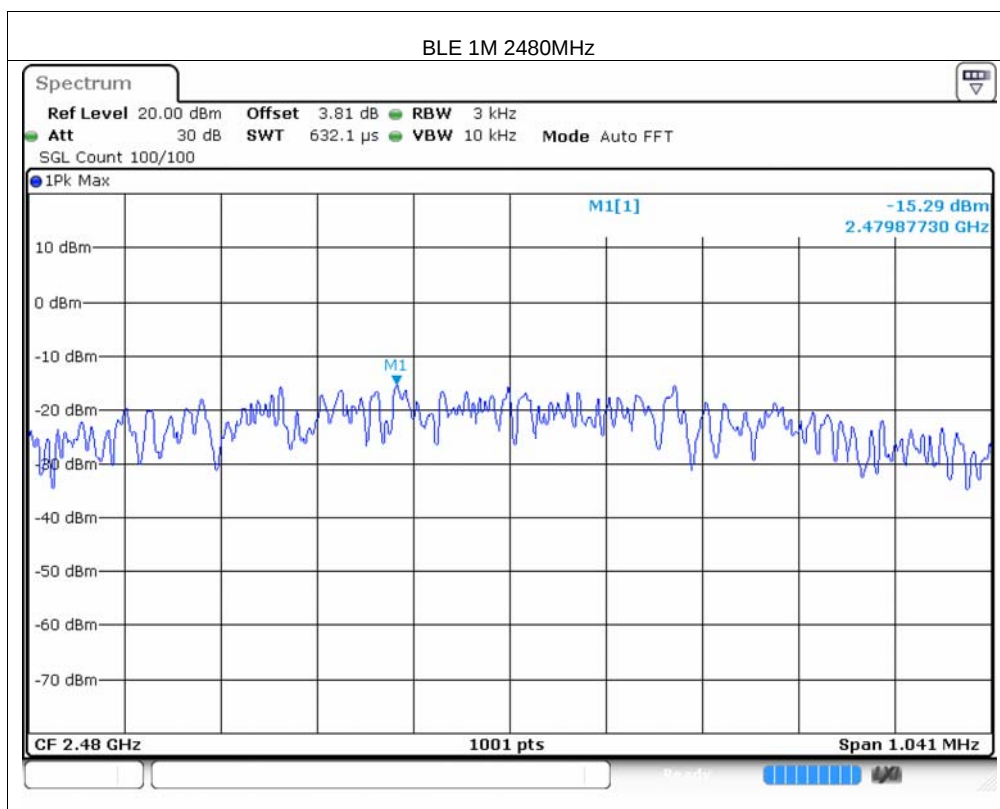
4 Maximum Power Spectral Density Level

4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	-14.23	8	Pass
BLE 1M	2440	-14.56	8	Pass
BLE 1M	2480	-15.29	8	Pass

4.2 Test Graphs



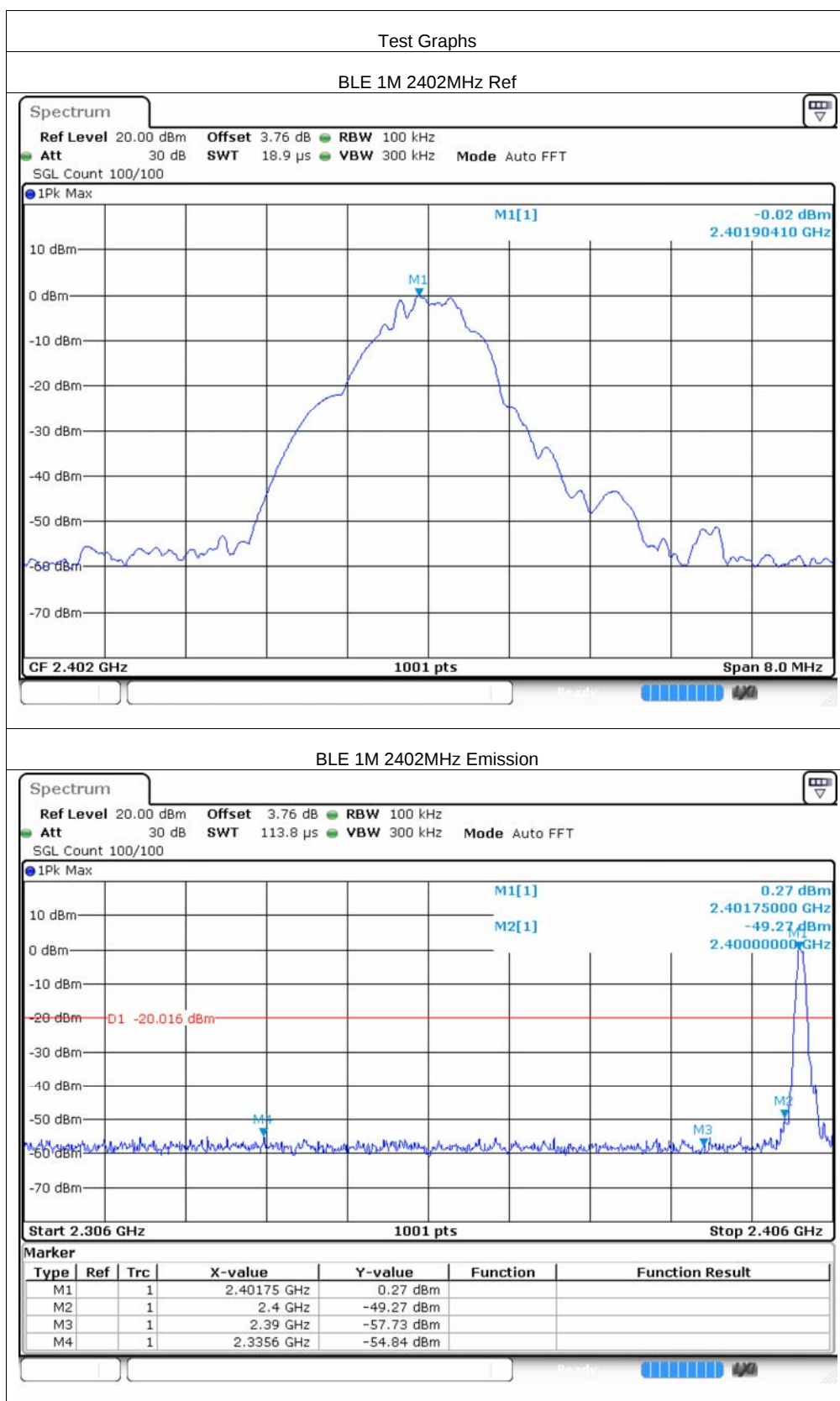


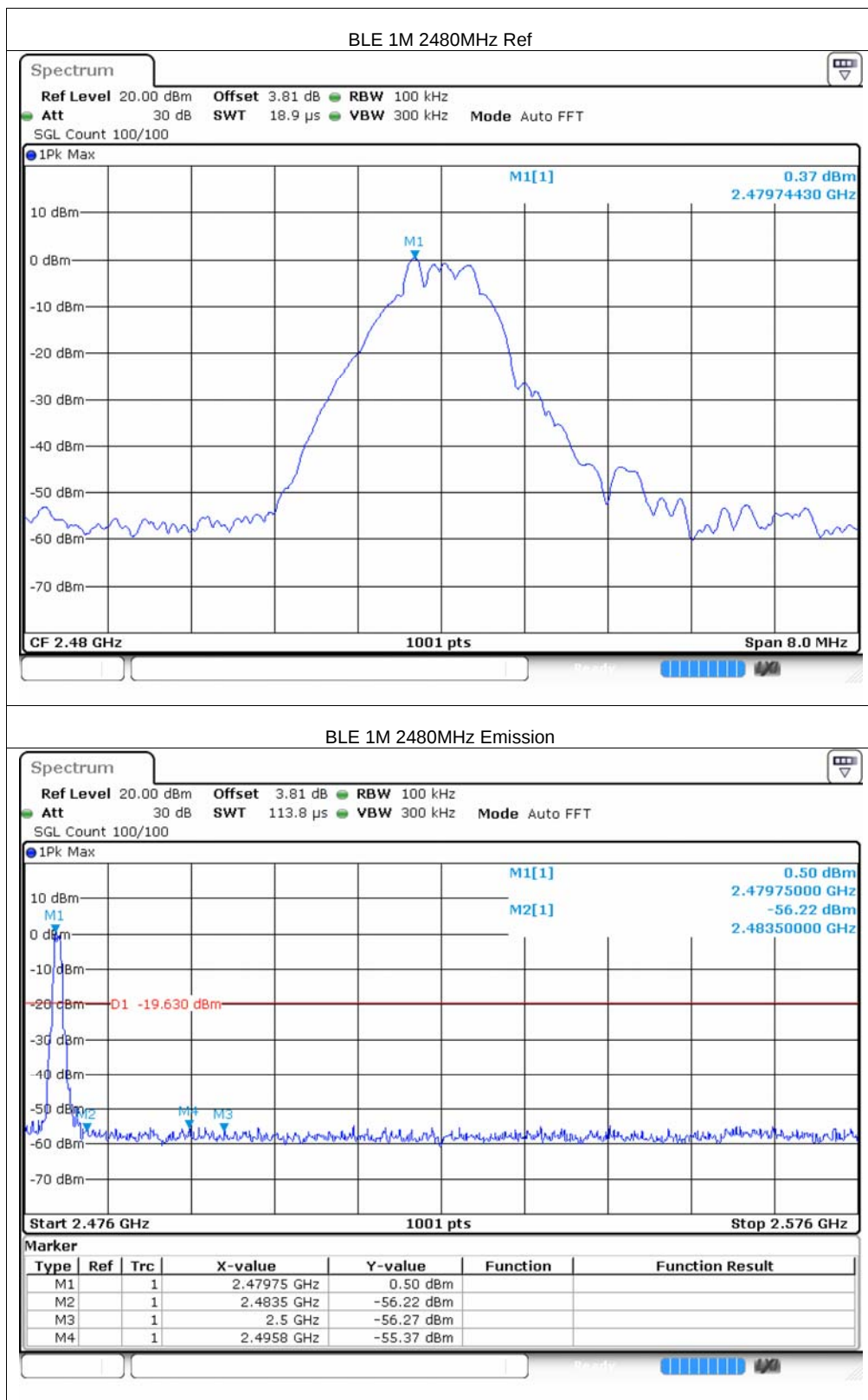
5 Band Edge

5.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-54.82	-20	Pass
BLE 1M	2480	-55.73	-20	Pass

5.2 Test Graphs



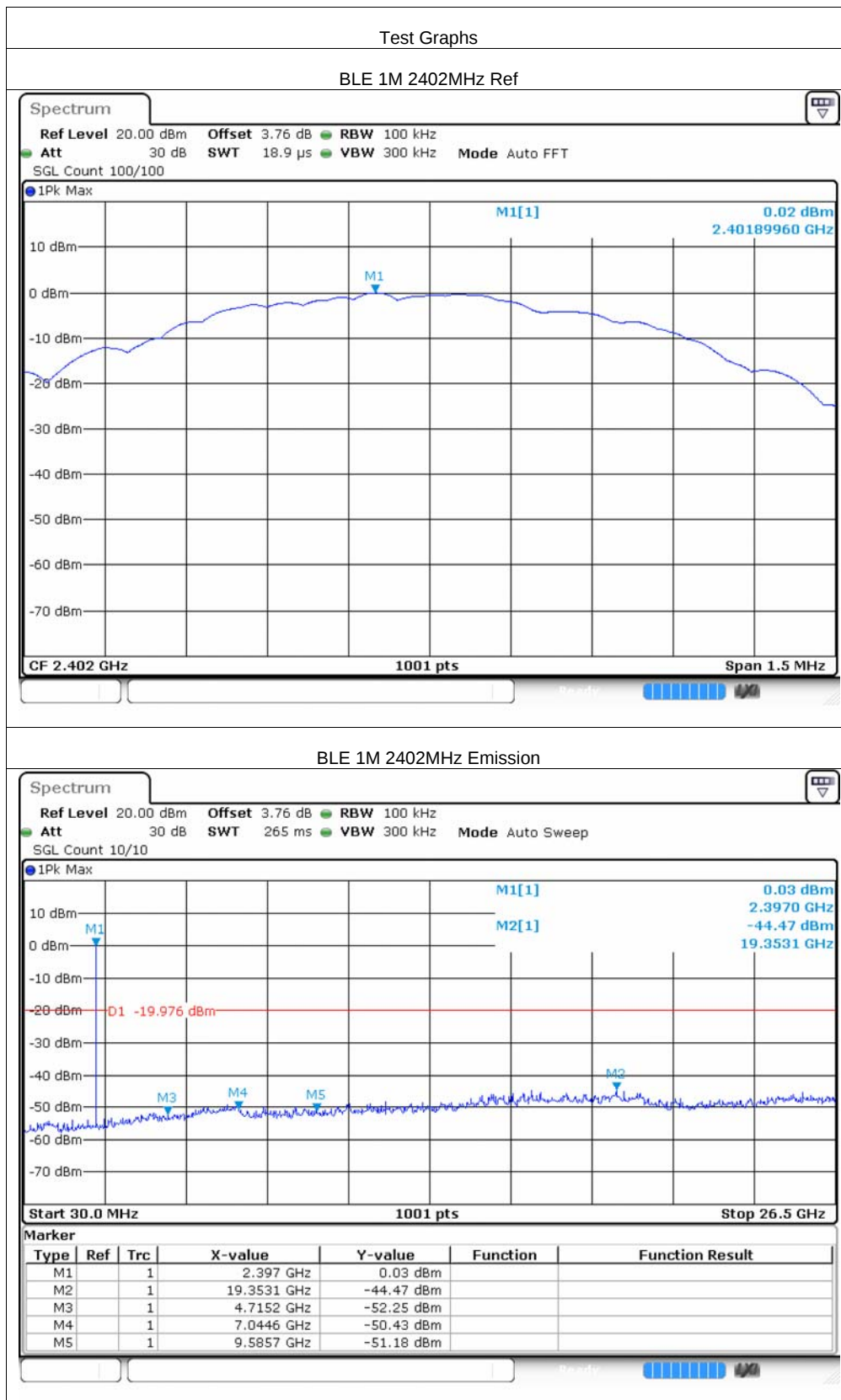


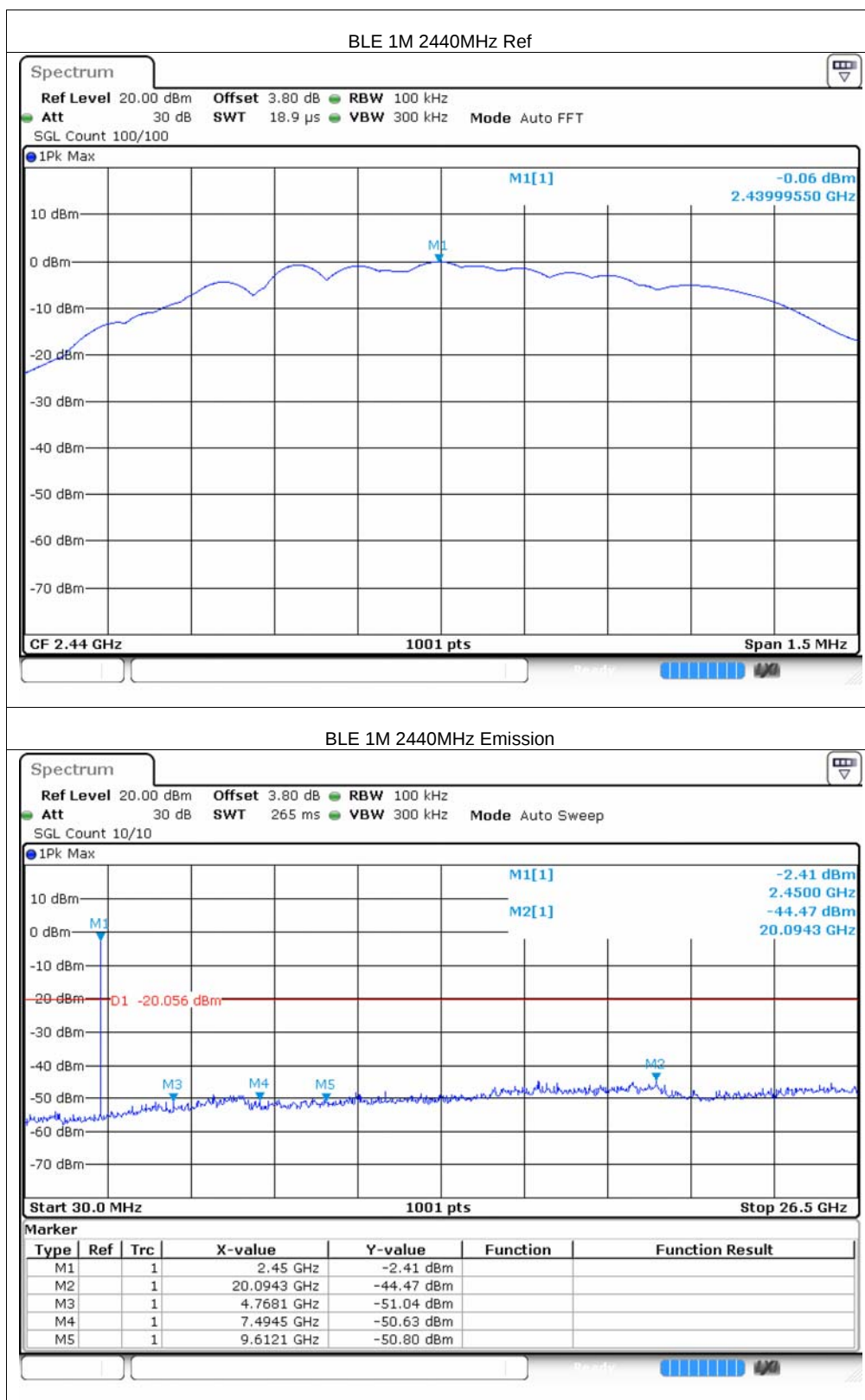
6 Conducted RF Spurious Emission

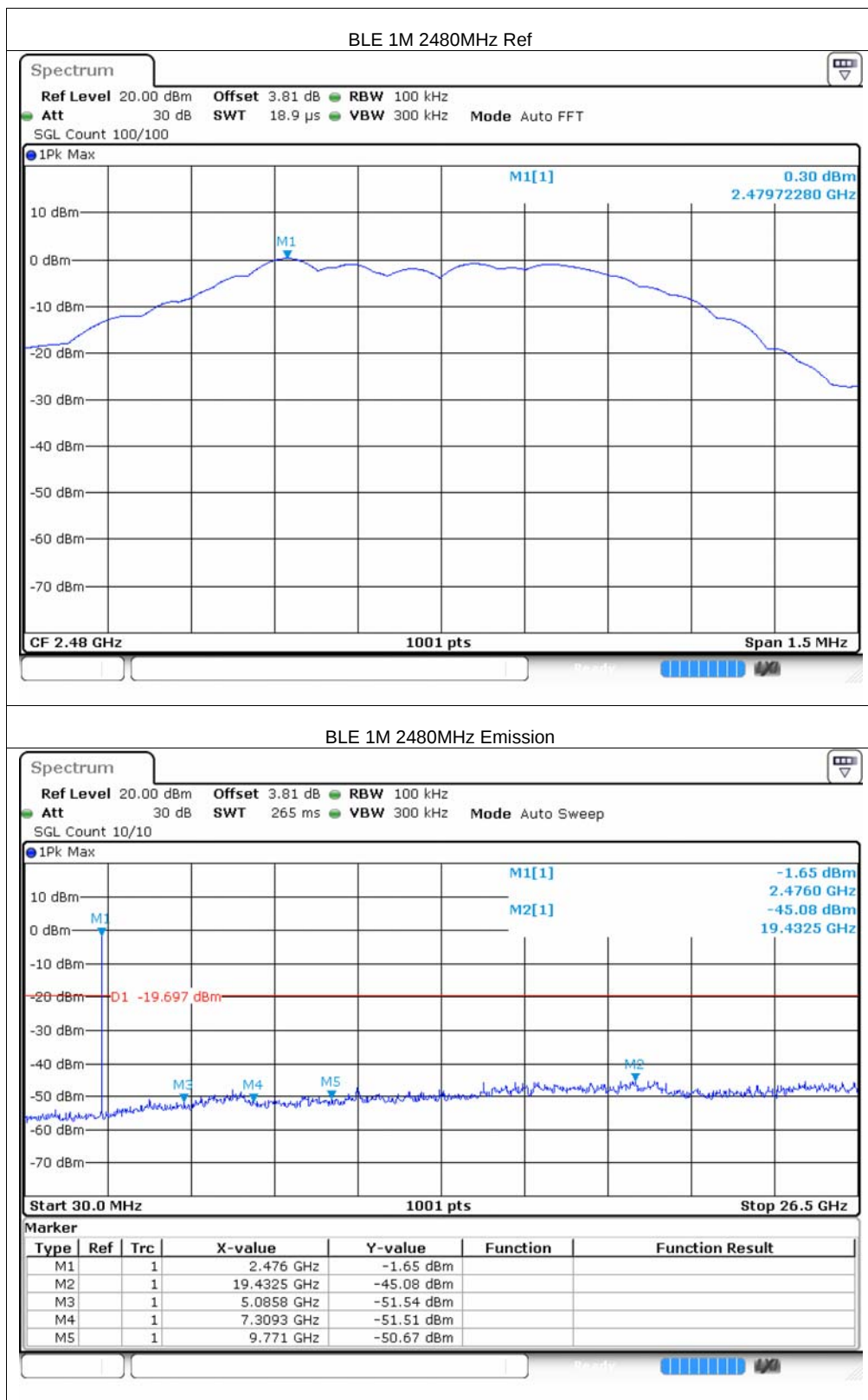
6.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-44.49	-20	Pass
BLE 1M	2440	-44.4	-20	Pass
BLE 1M	2480	-45.38	-20	Pass

6.2 Test Graphs





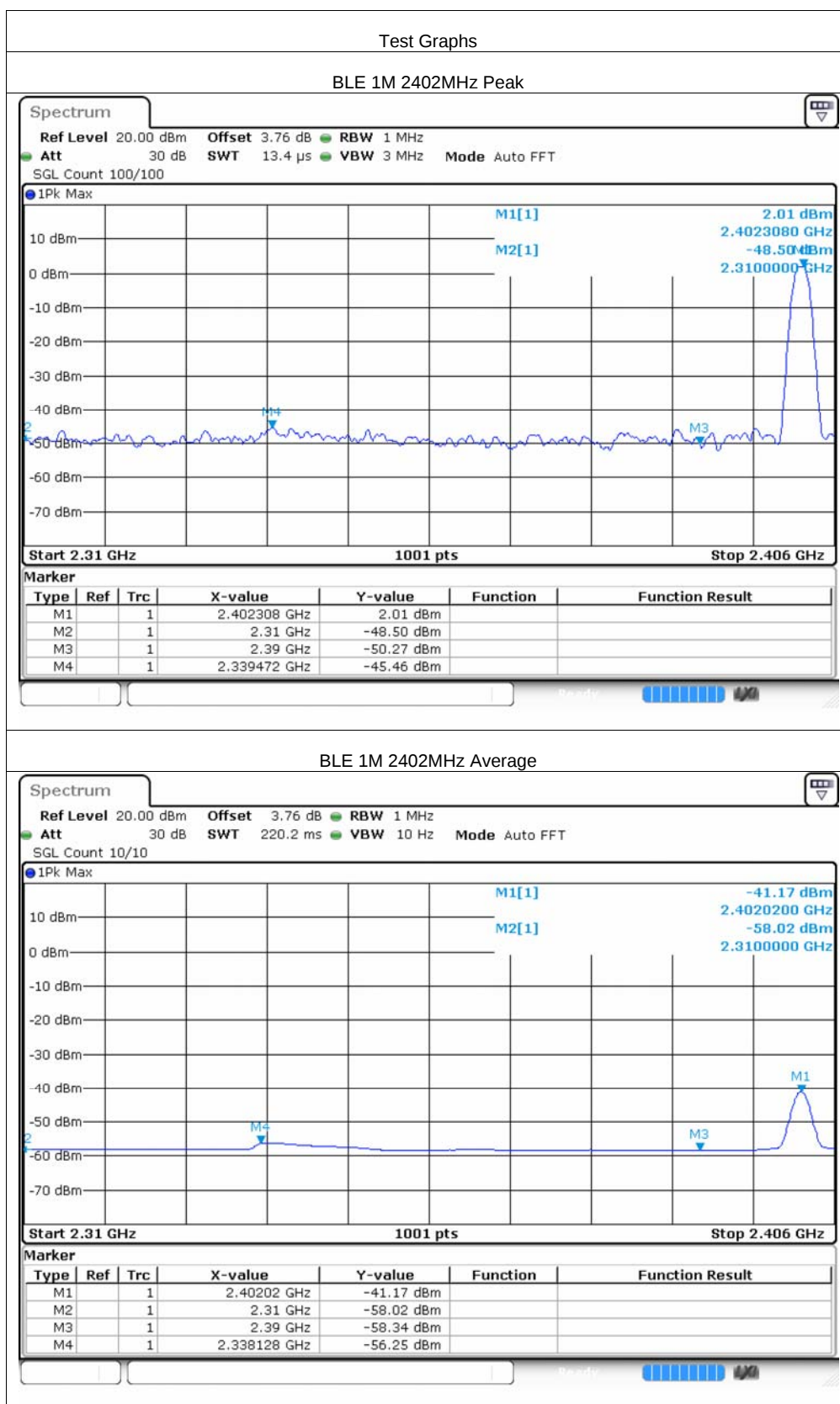


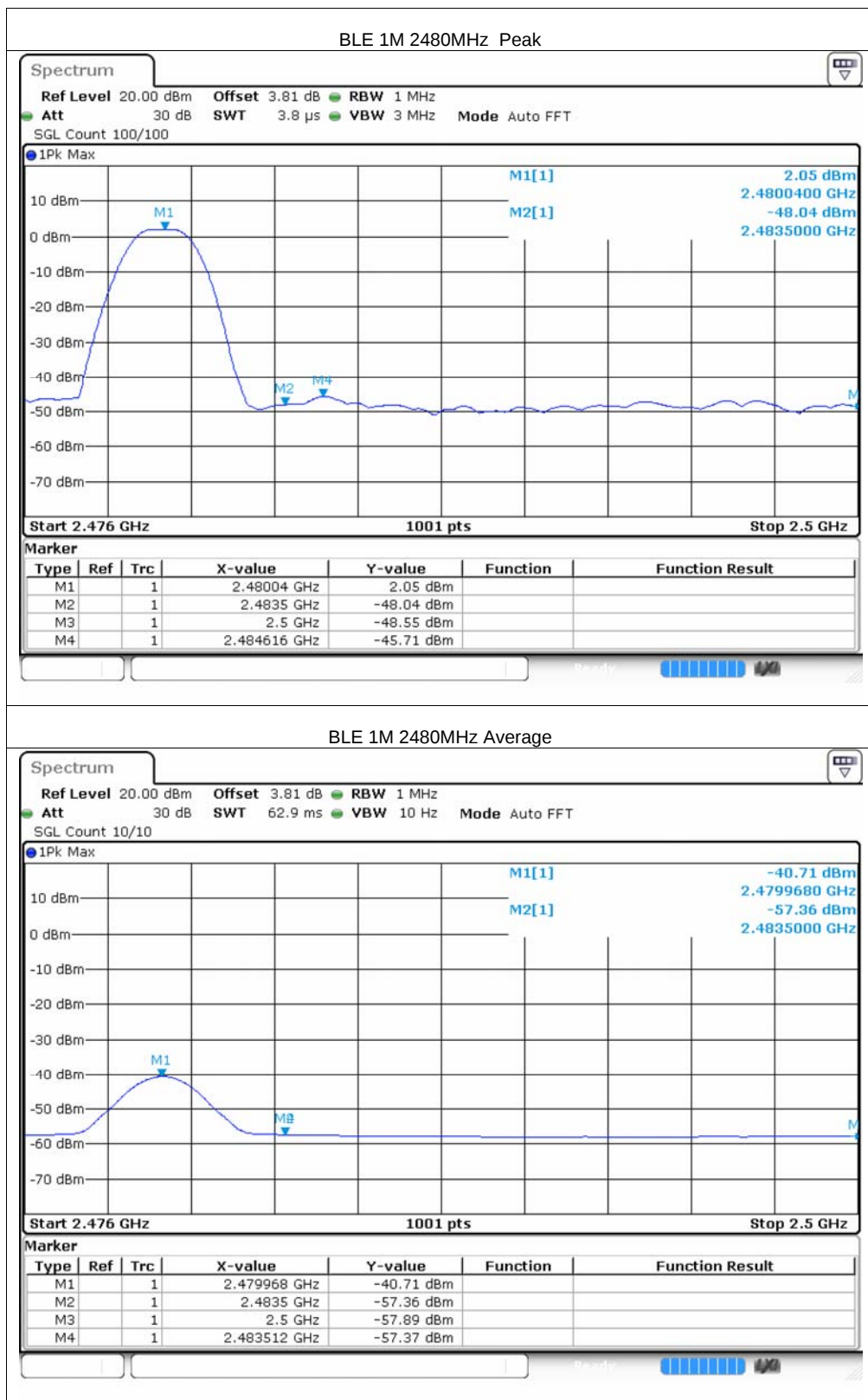
7 Restrict Band

7.1 Test Result

Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detecto r	Limit (dBuV/m)	Verdic t
BLE 1M	2402	2310	-48.49	2	48.77	Peak	74	Pass
BLE 1M	2402	2310	-58.01	2	39.25	Averag e	54	Pass
BLE 1M	2402	2339.472	-45.45	2	51.81	Peak	74	Pass
BLE 1M	2402	2338.128	-56.25	2	41.01	Averag e	54	Pass
BLE 1M	2402	2390	-50.26	2	47	Peak	74	Pass
BLE 1M	2402	2390	-58.34	2	38.92	Averag e	54	Pass
BLE 1M	2480	2483.5	-48.02	2	49.24	Peak	74	Pass
BLE 1M	2480	2483.5	-57.37	2	39.89	Averag e	54	Pass
BLE 1M	2480	2484.616	-45.7	2	51.56	Peak	74	Pass
BLE 1M	2480	2483.512	-57.37	2	39.89	Averag e	54	Pass
BLE 1M	2480	2500	-48.55	2	48.71	Peak	74	Pass
BLE 1M	2480	2500	-57.88	2	39.38	Averag e	54	Pass

7.2 Test Graphs





---The End---