



Appendix B

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

Product Name: smart bike trainer

Trade Mark: N/A

Test Model: T2

Environmental Conditions

Temperature:	25.5° C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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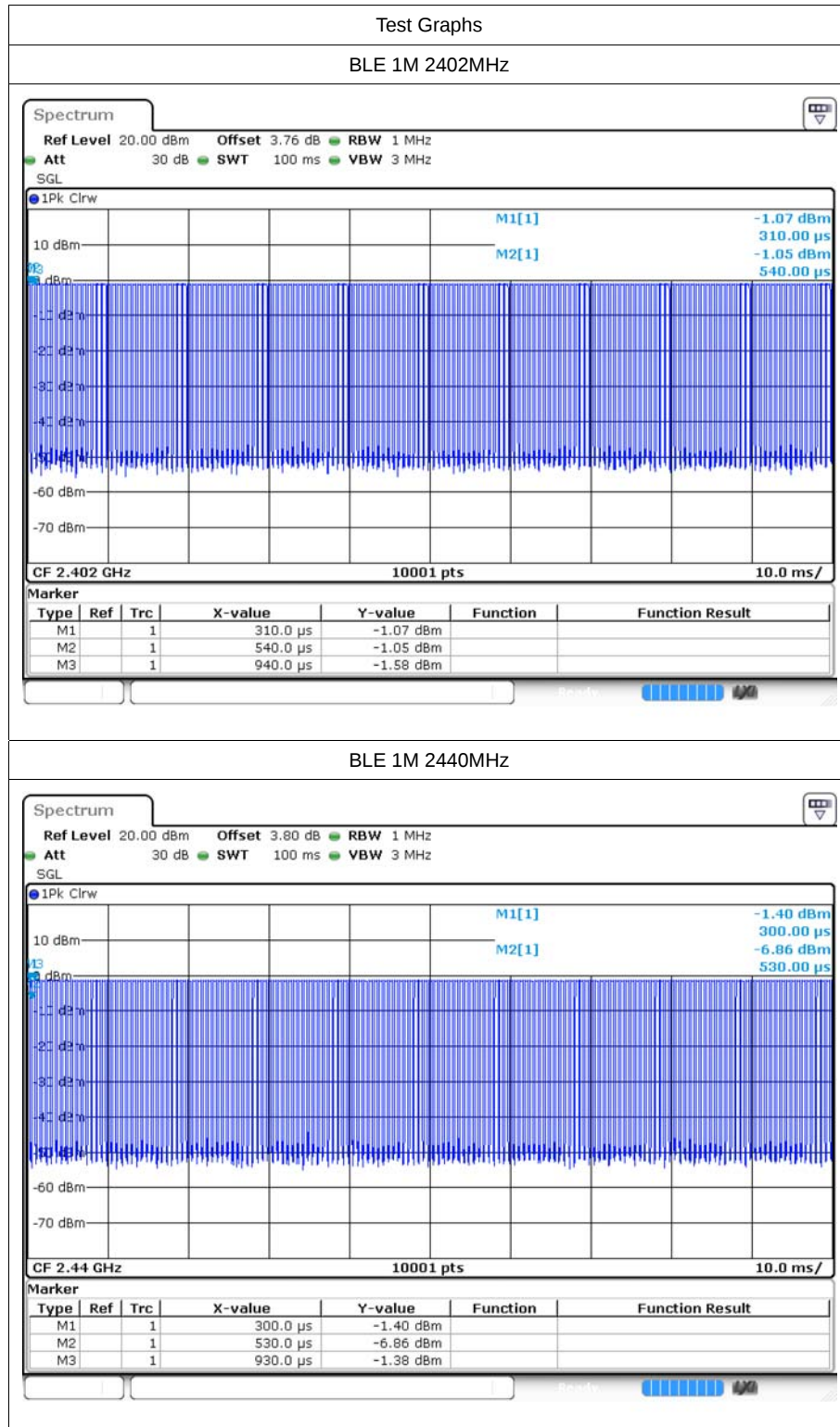


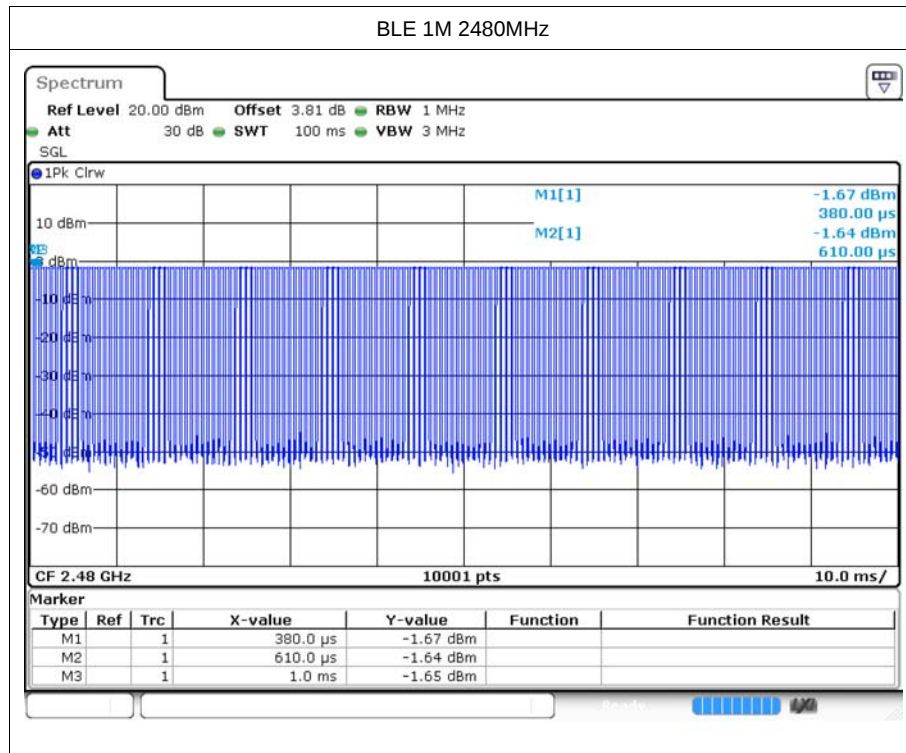
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	1/T (kHz)
BLE 1M	2402	64.8	2.5
BLE 1M	2440	64.8	2.5
BLE 1M	2480	64.8	2.56

1.2 Test Graphs





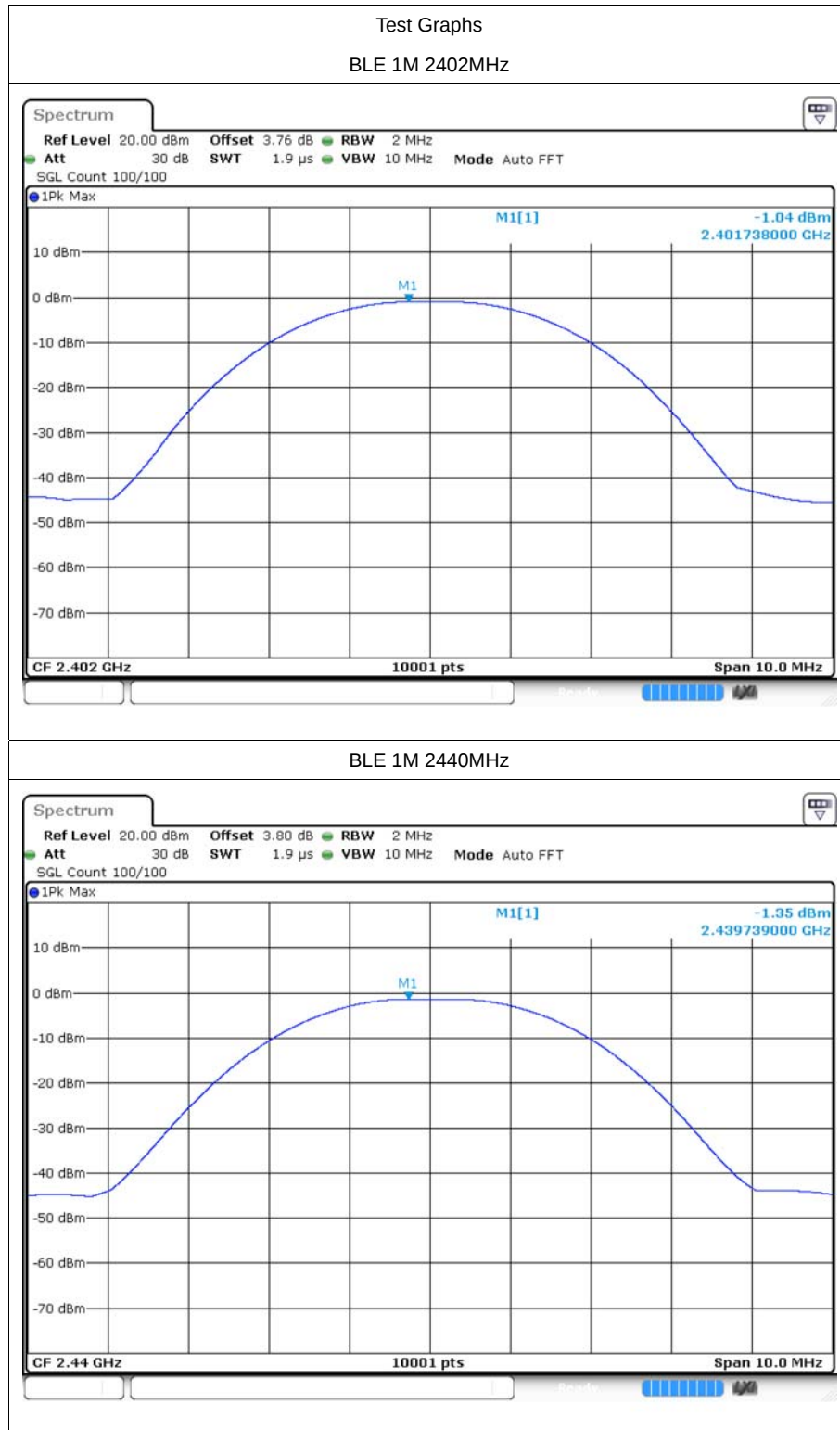


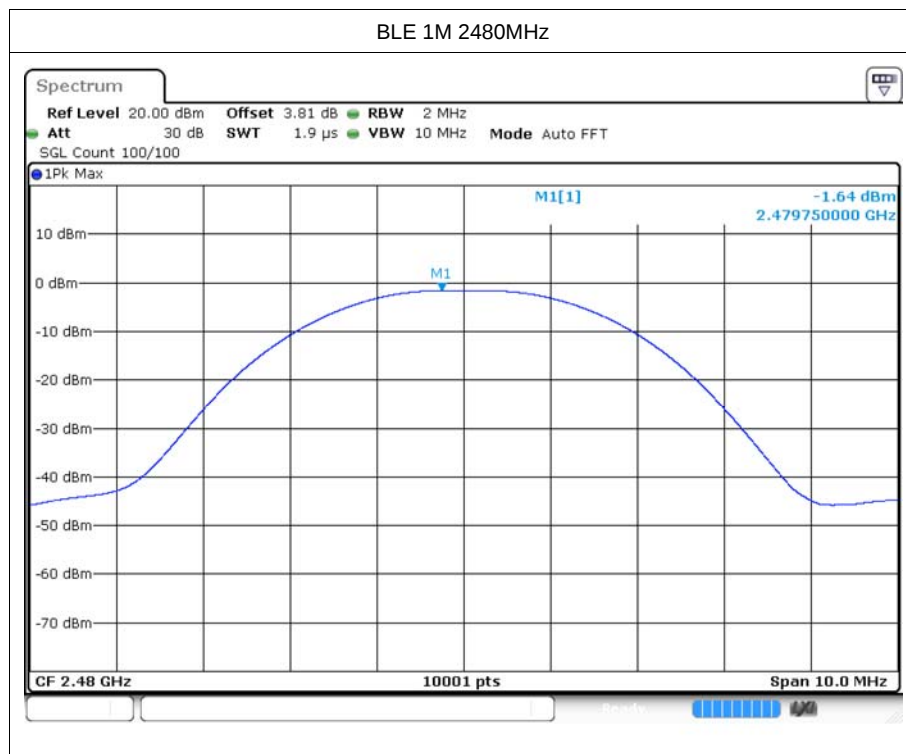
2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	-1.04	30	Pass
BLE 1M	2440	-1.35	30	Pass
BLE 1M	2480	-1.64	30	Pass

2.2 Test Graphs





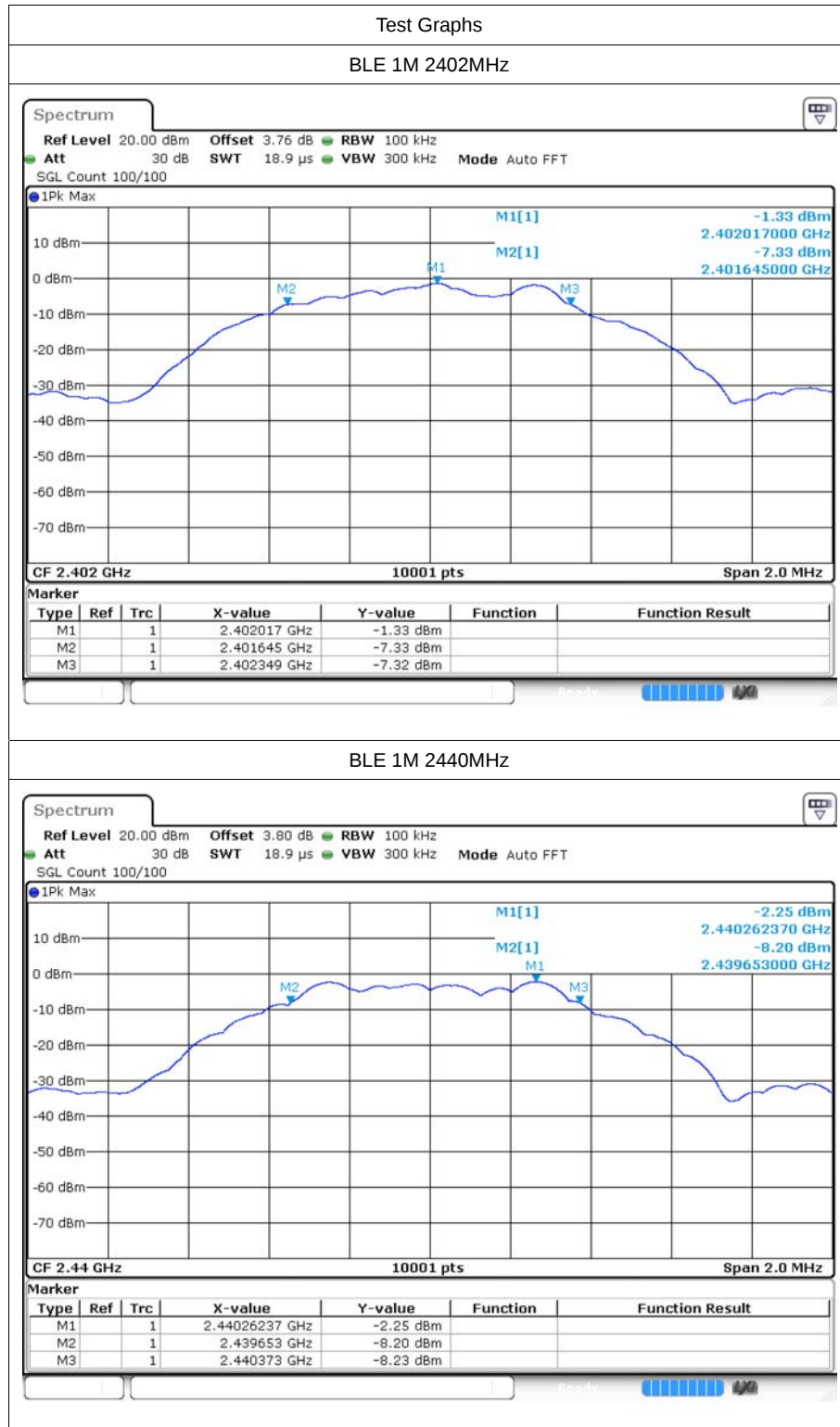


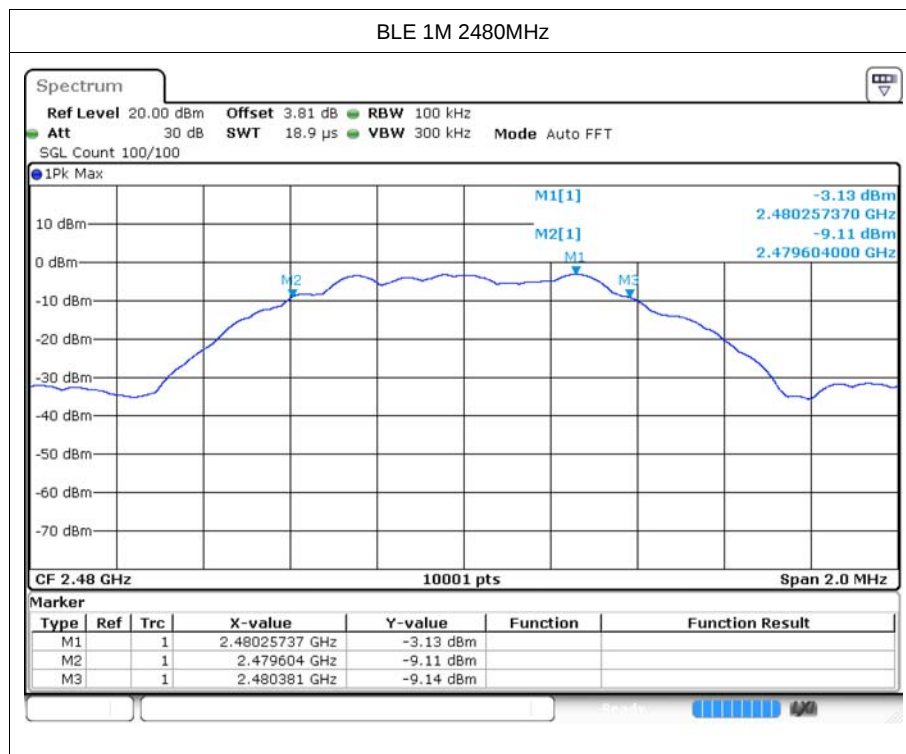
3 -6dB Bandwidth

3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.704	0.5	Pass
BLE 1M	2440	0.721	0.5	Pass
BLE 1M	2480	0.777	0.5	Pass

3.2 Test Graphs





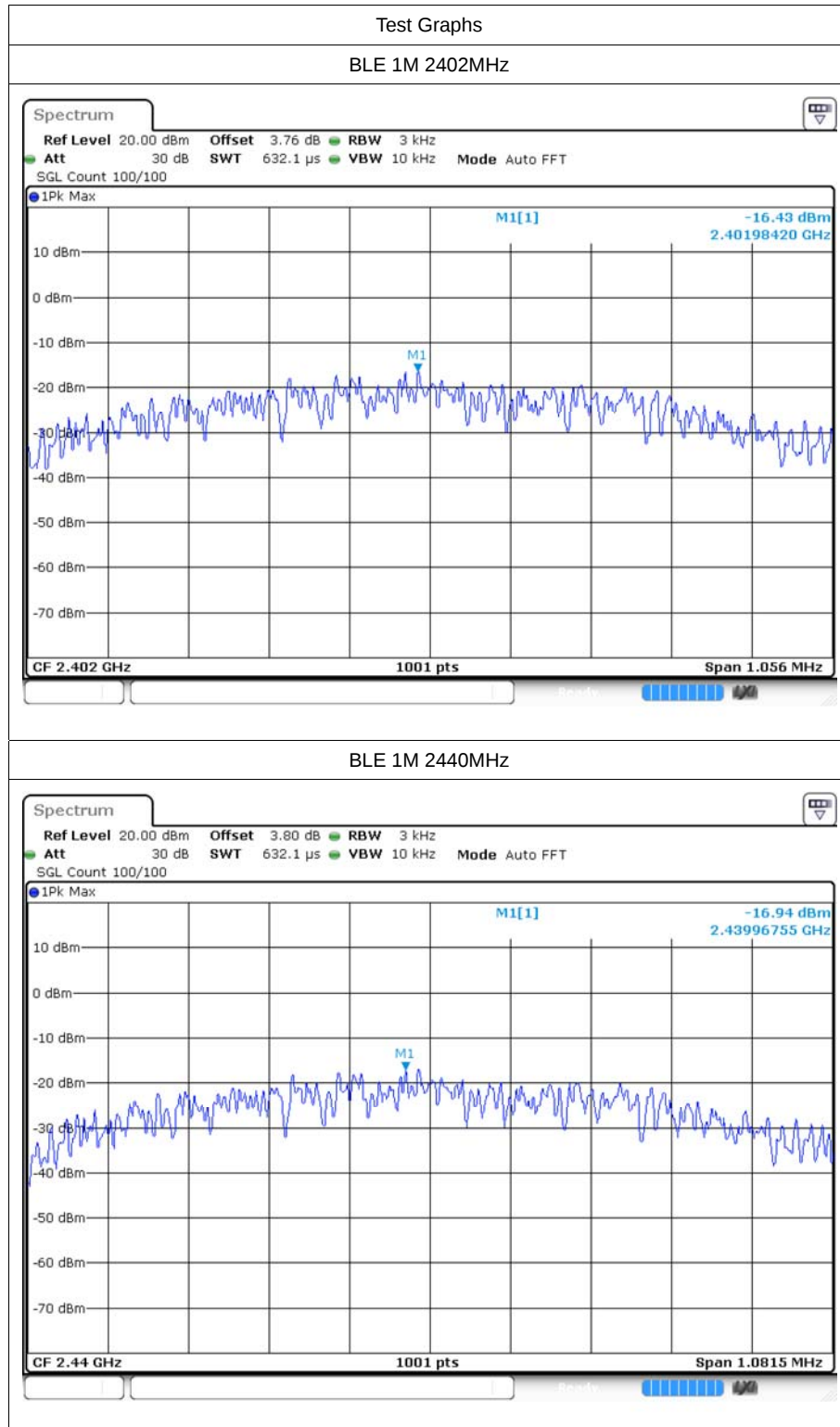


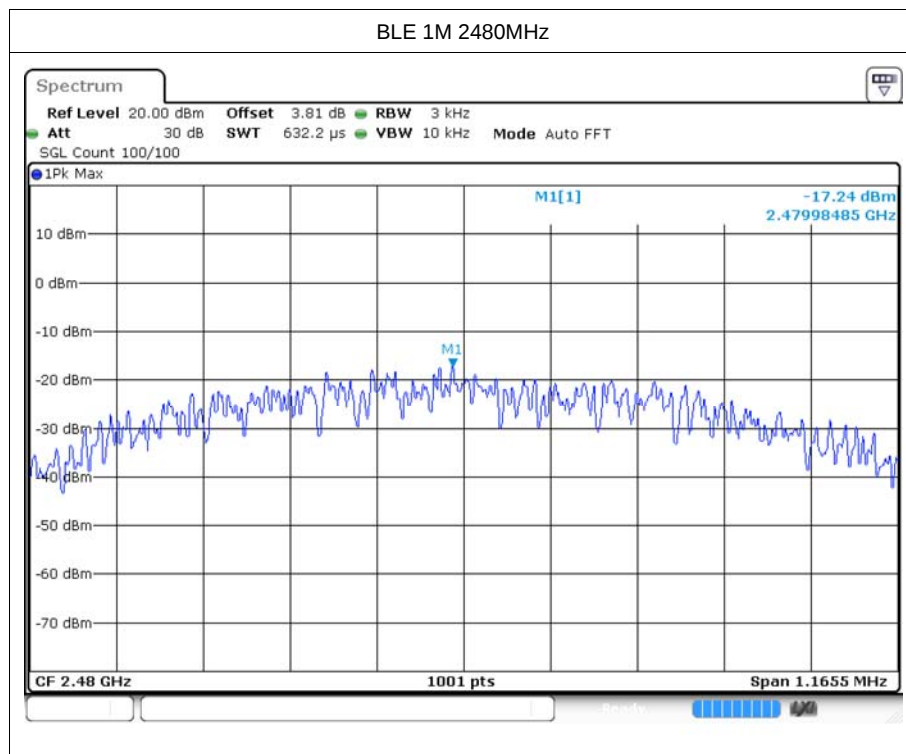
4 Maximum Power Spectral Density Level

4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-16.43	≤ 8	Pass
BLE 1M	2440	-16.94	≤ 8	Pass
BLE 1M	2480	-17.24	≤ 8	Pass

4.2 Test Graphs





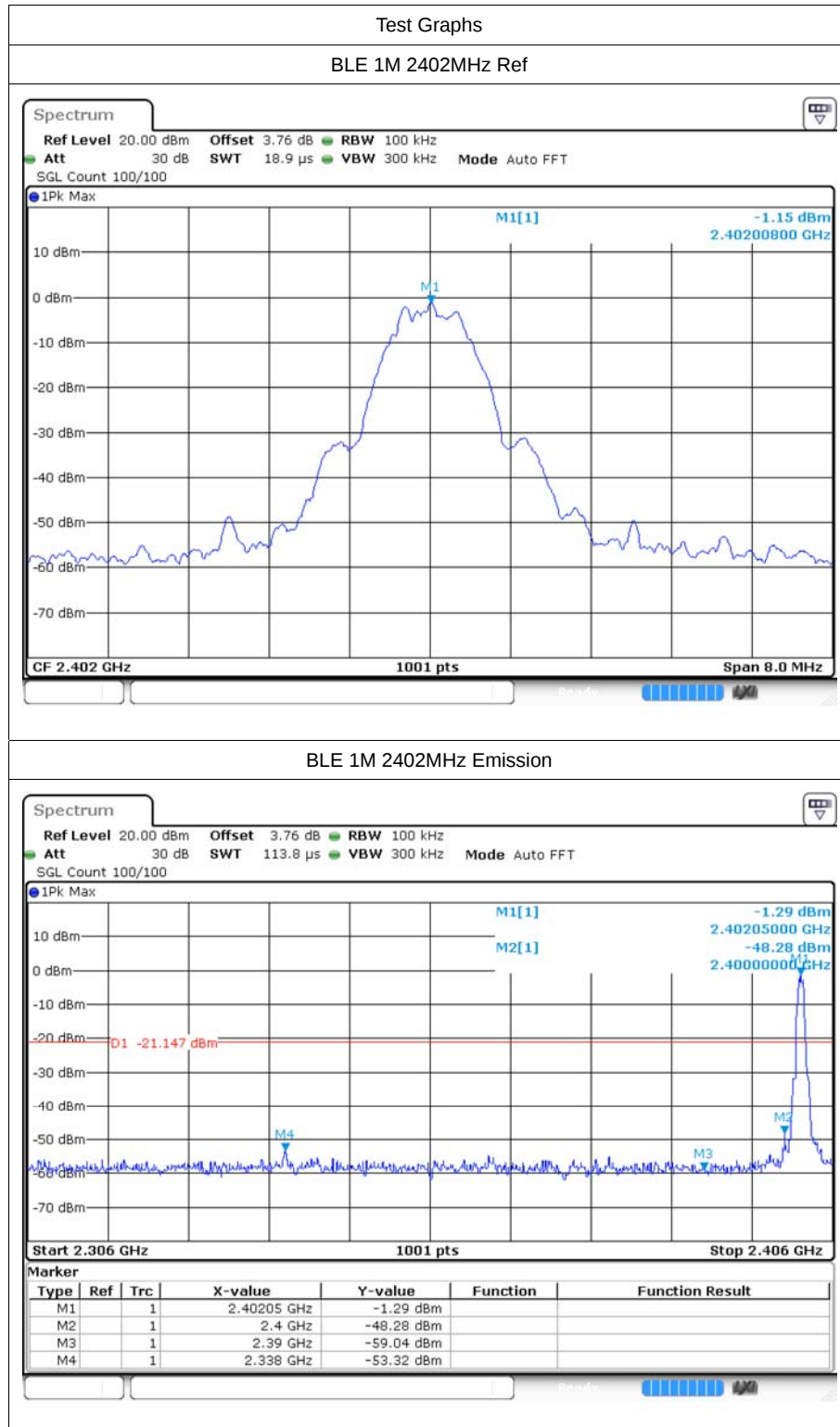


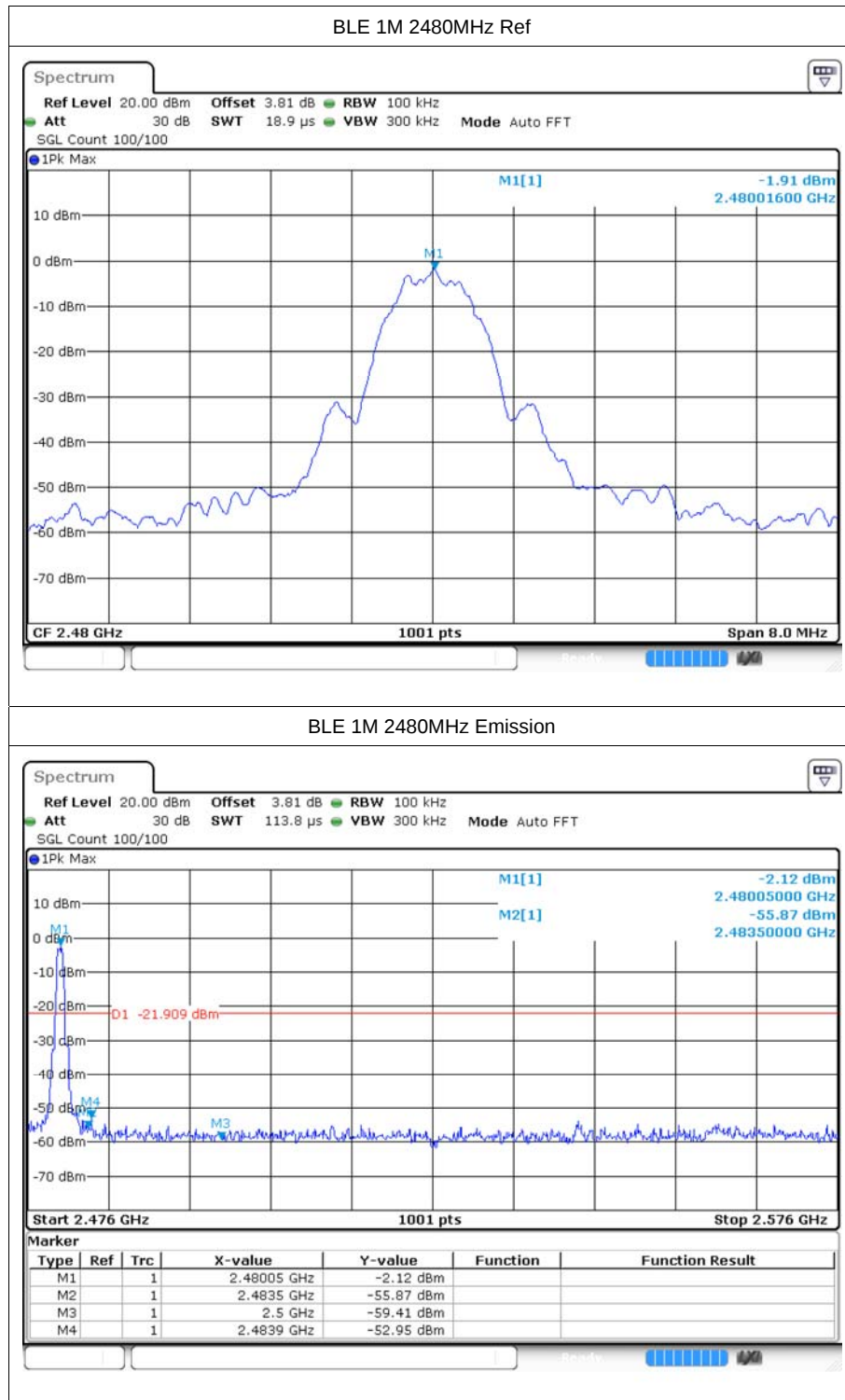
5 Band Edge

5.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-52.17	-20	Pass
BLE 1M	2480	-51.04	-20	Pass

5.2 Test Graphs





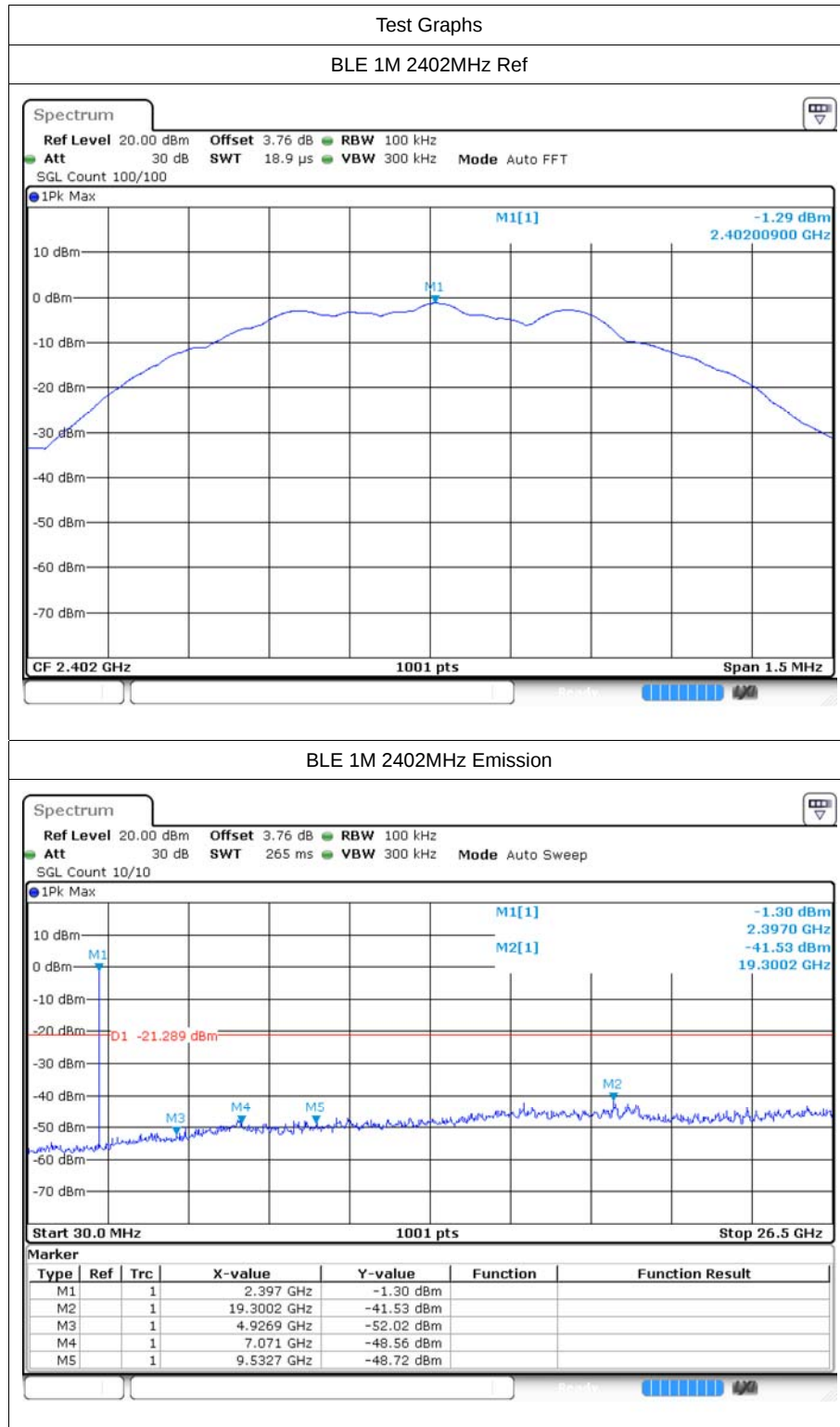


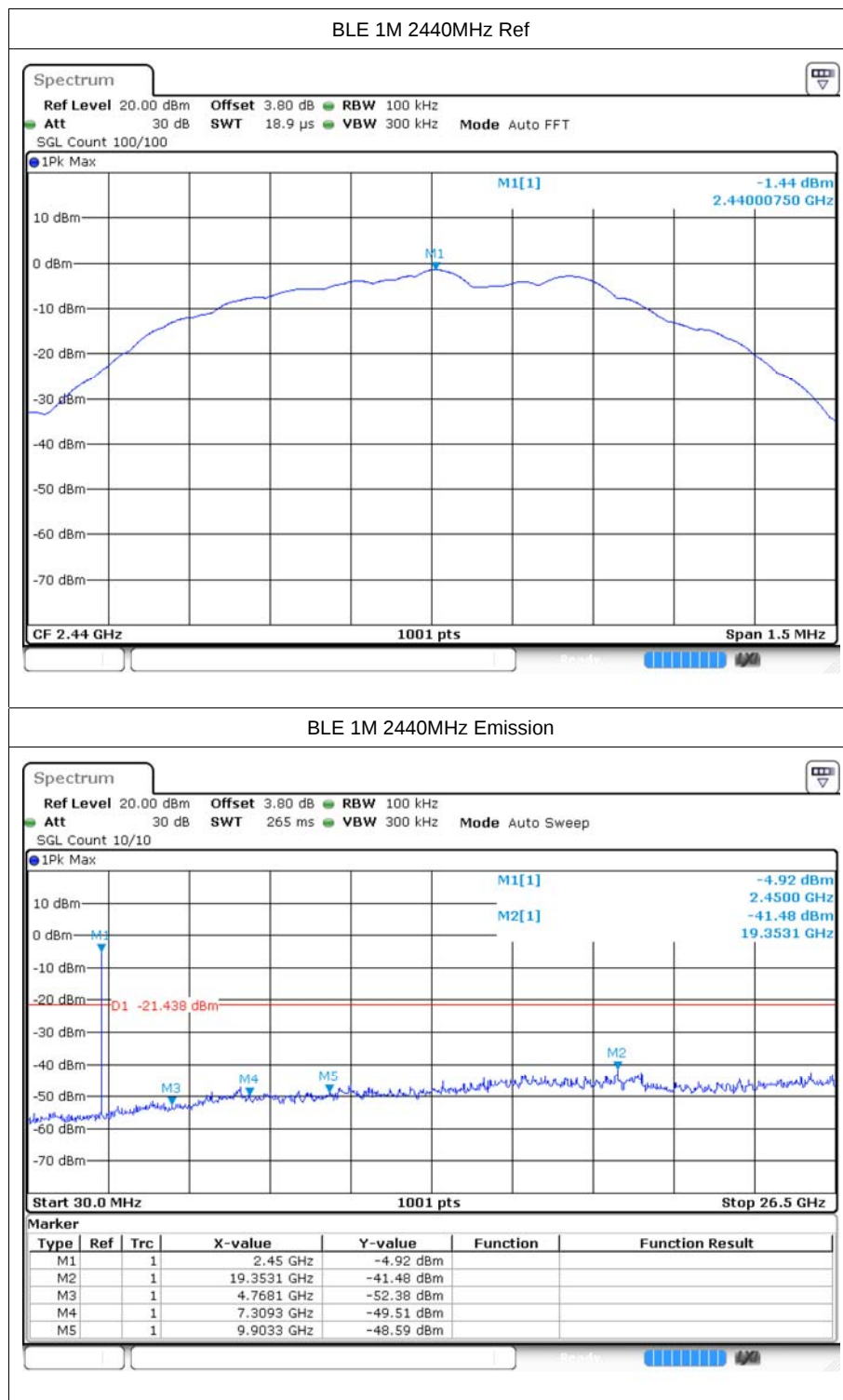
6 Conducted RF Spurious Emission

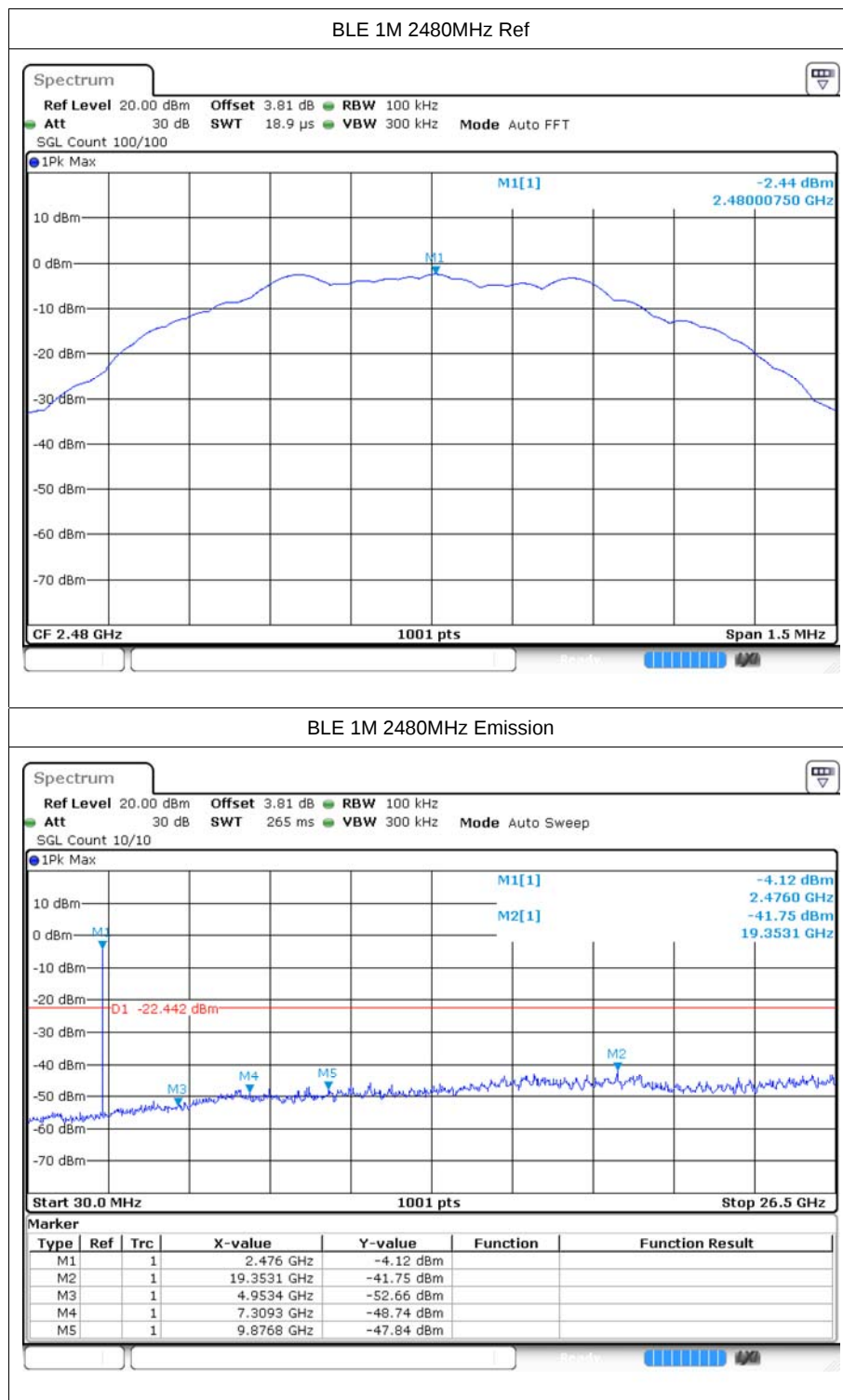
6.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-40.24	-20	Pass
BLE 1M	2440	-40.03	-20	Pass
BLE 1M	2480	-39.31	-20	Pass

6.2 Test Graphs







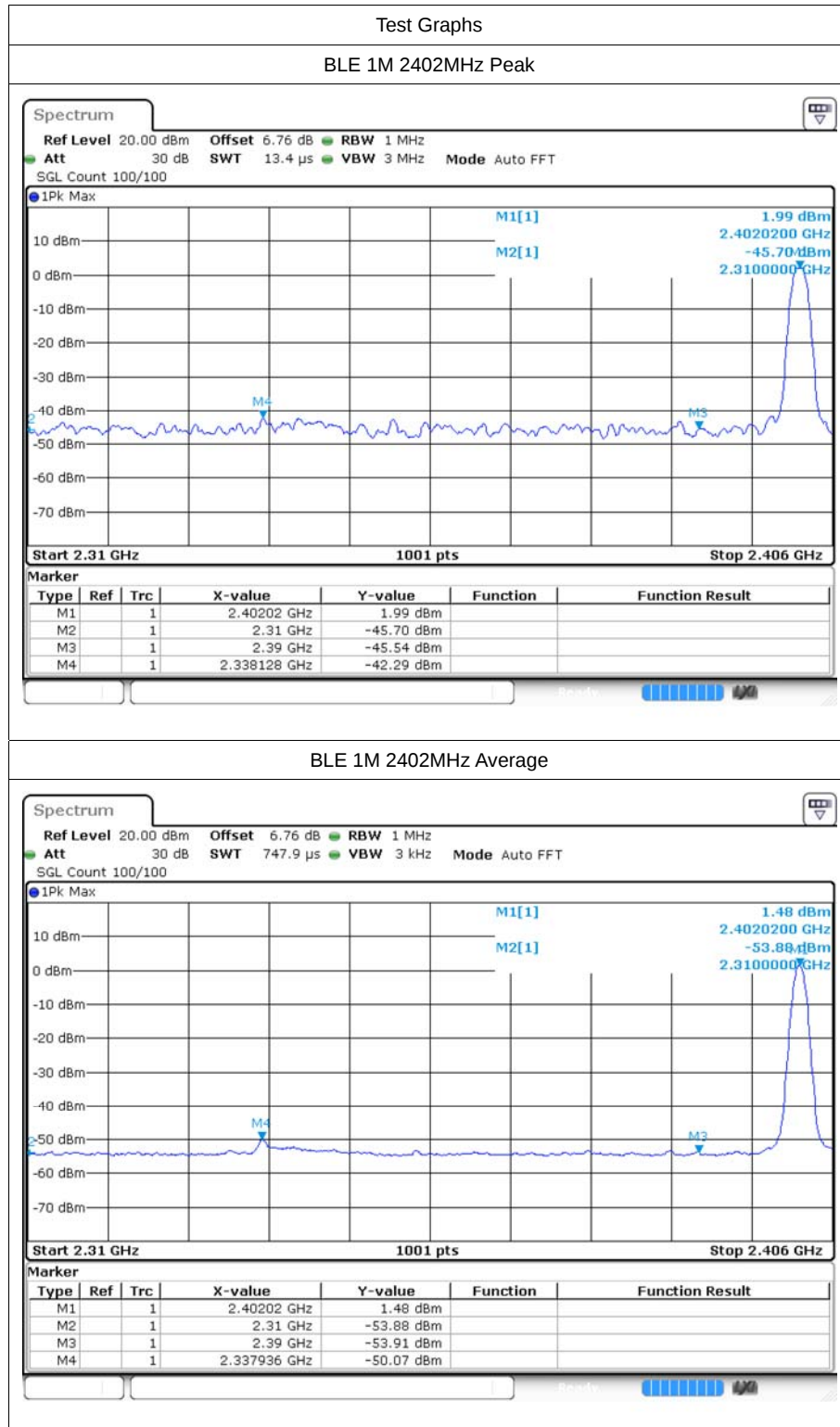


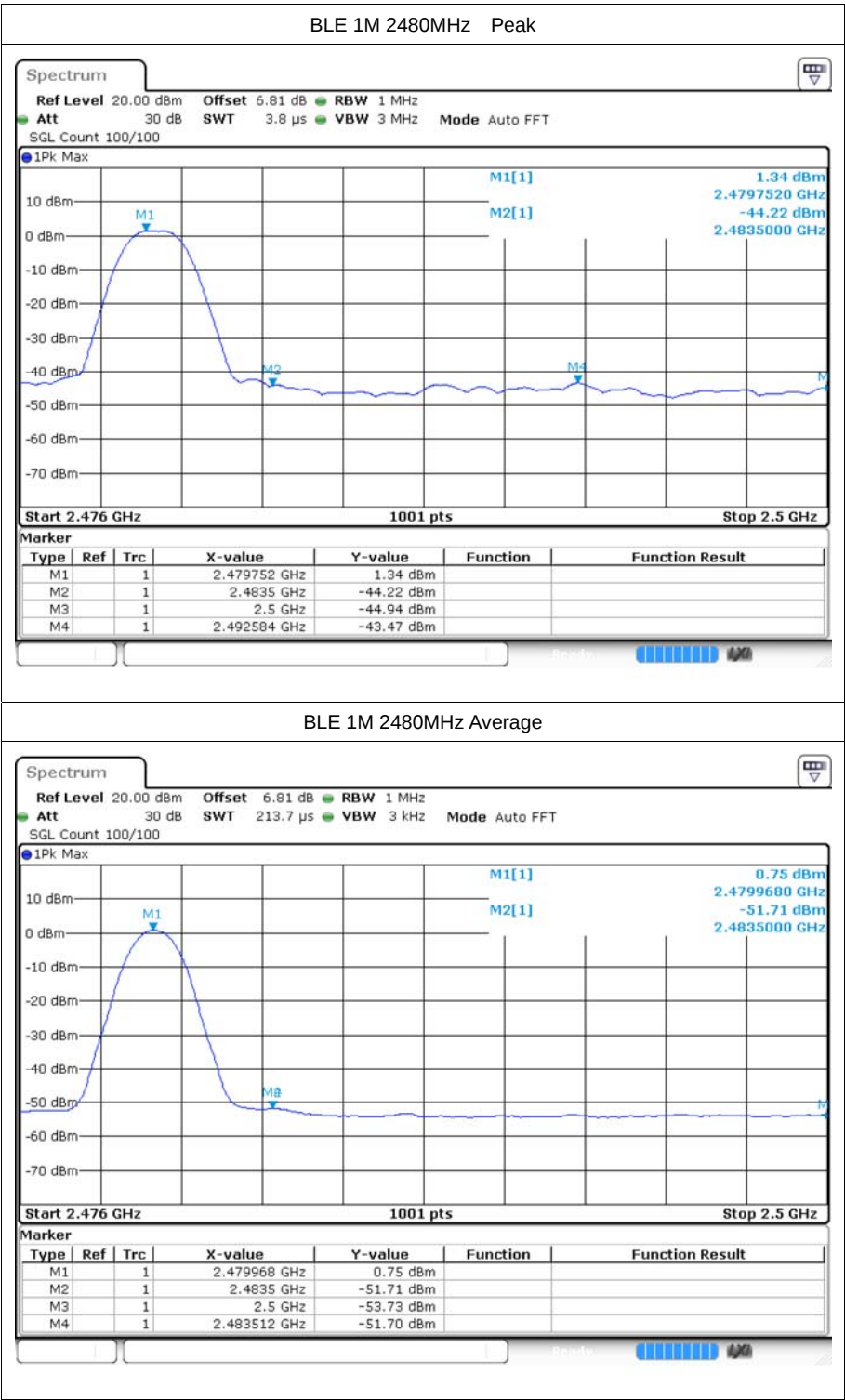
7 Restrict Band

7.1 Test Result

Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
BLE 1M	2402	2310	-45.69	3	52.57	Peak	74	Pass
BLE 1M	2402	2310	-53.87	3	44.39	Average	54	Pass
BLE 1M	2402	2338.128	-42.28	3	55.98	Peak	74	Pass
BLE 1M	2402	2337.936	-50.07	3	48.19	Average	54	Pass
BLE 1M	2402	2390	-45.54	3	52.72	Peak	74	Pass
BLE 1M	2402	2390	-53.91	3	44.35	Average	54	Pass
BLE 1M	2480	2483.5	-44.16	3	54.1	Peak	74	Pass
BLE 1M	2480	2483.5	-51.69	3	46.57	Average	54	Pass
BLE 1M	2480	2492.584	-43.46	3	54.8	Peak	74	Pass
BLE 1M	2480	2483.512	-51.69	3	46.57	Average	54	Pass
BLE 1M	2480	2500	-44.94	3	53.32	Peak	74	Pass
BLE 1M	2480	2500	-53.72	3	44.54	Average	54	Pass

7.2 Test Graphs





---The End---