



Appendix RF test data for BLE

Product Name: Smart Watch

Trade Mark: N/A

Test Model: MT68

Environmental Conditions

Temperature:	24.7° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Emiya lin
Supervised by:	Simba Haung



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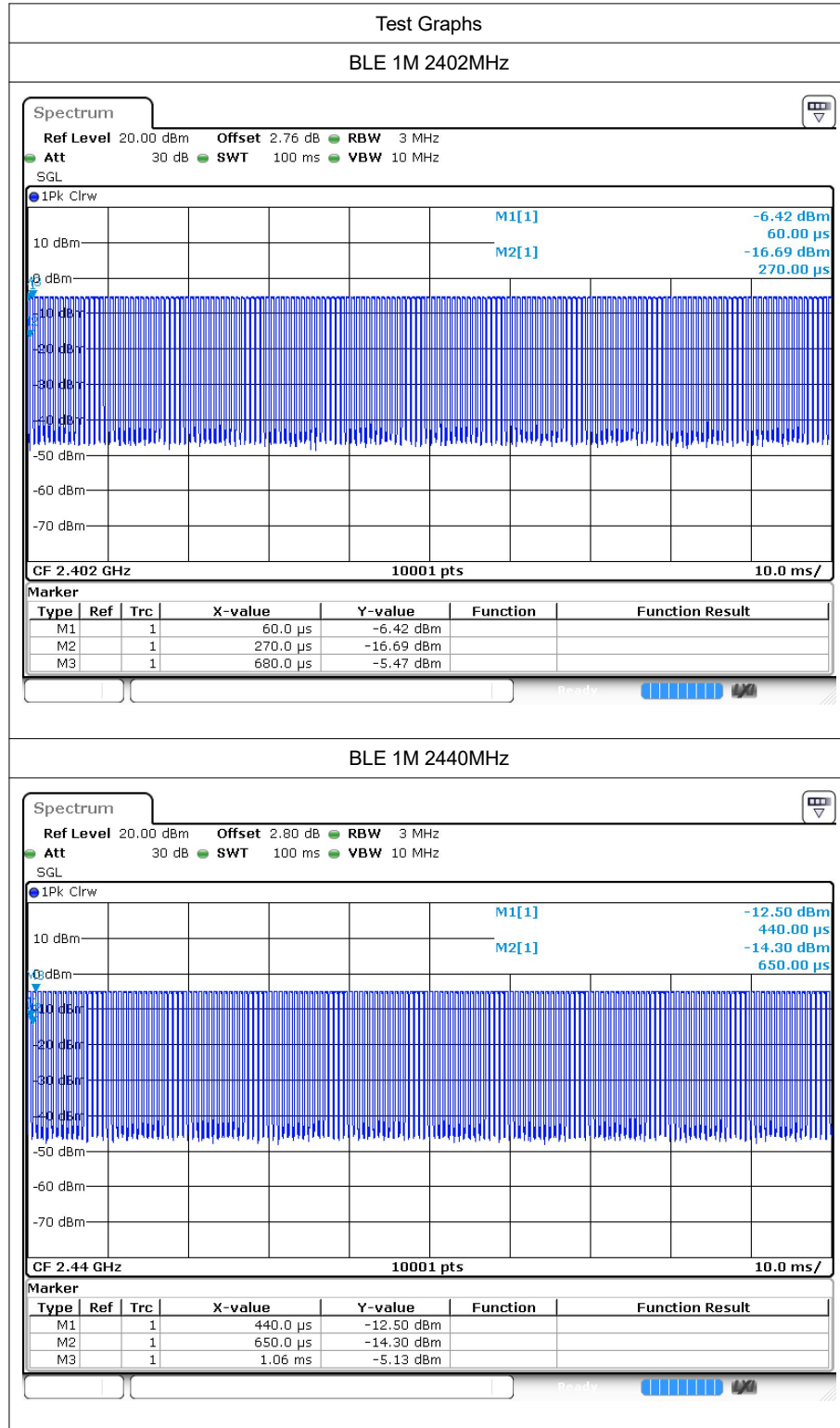


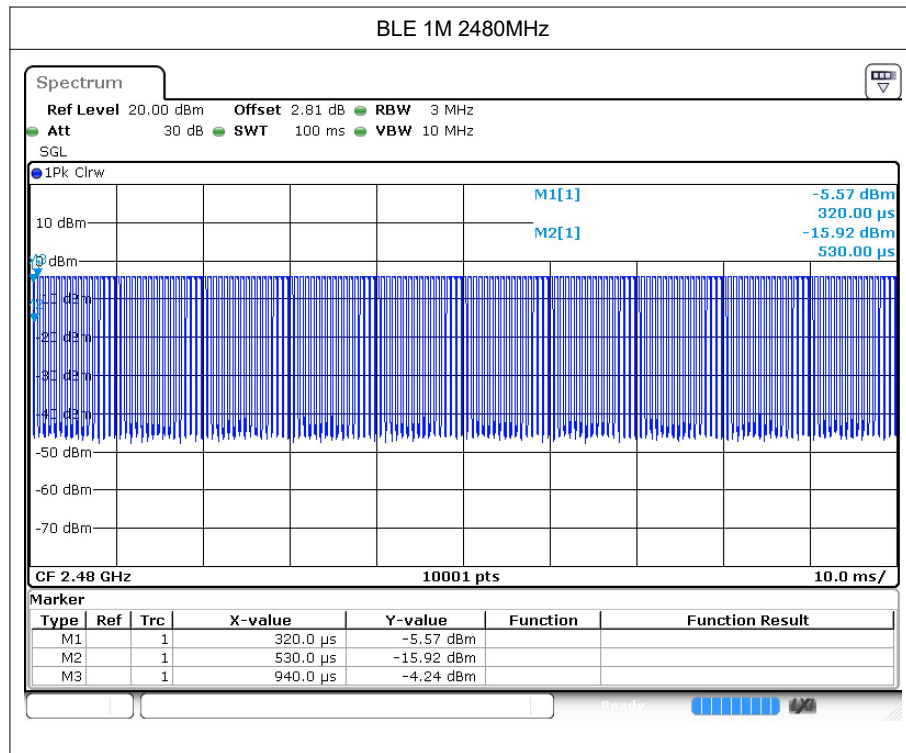
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor	1/T (kHz)
BLE 1M	2402	67.2	1.73	2.44
BLE 1M	2440	67.18	1.73	2.44
BLE 1M	2480	67.2	1.73	2.44

1.2 Test Graphs





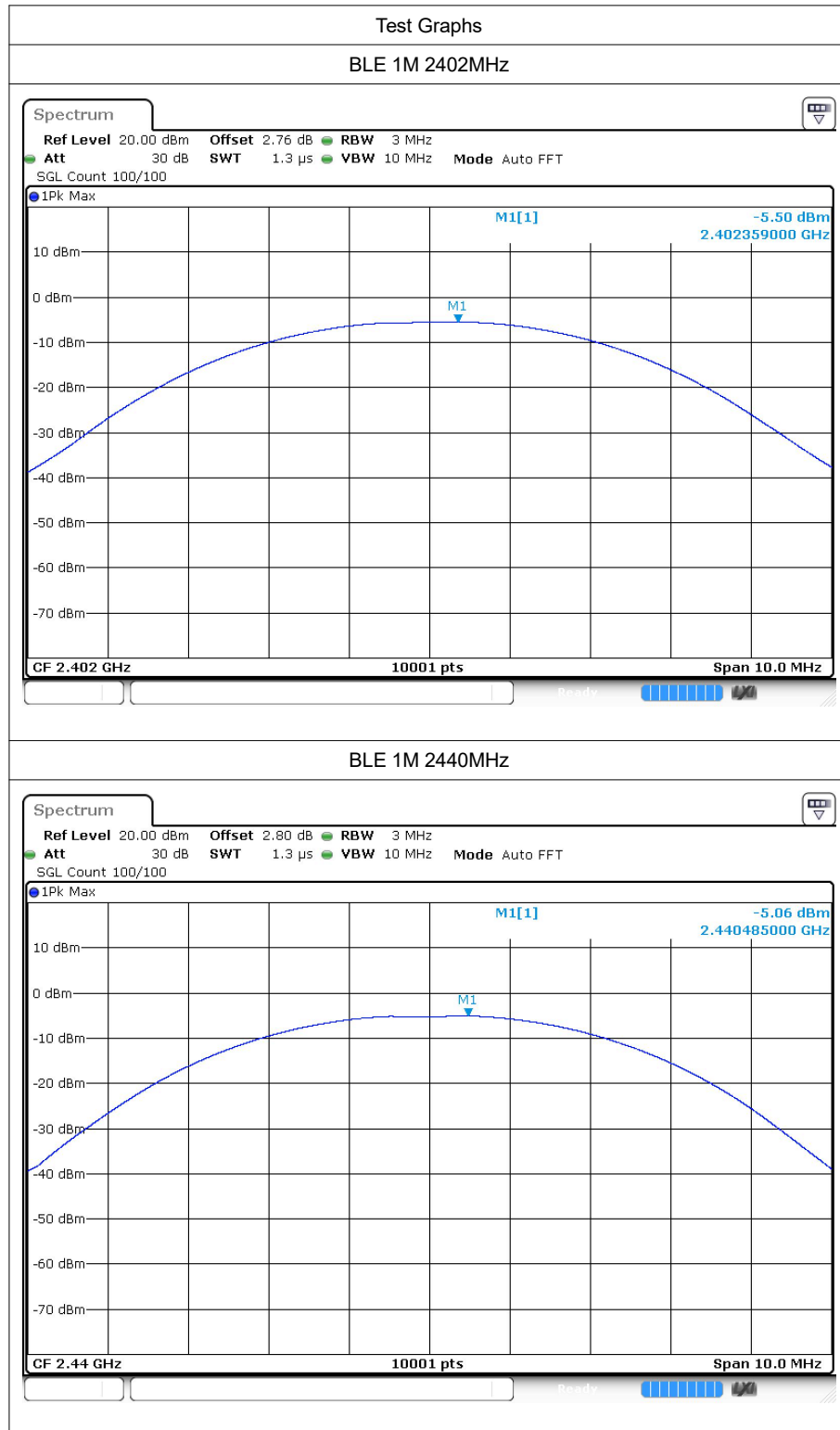


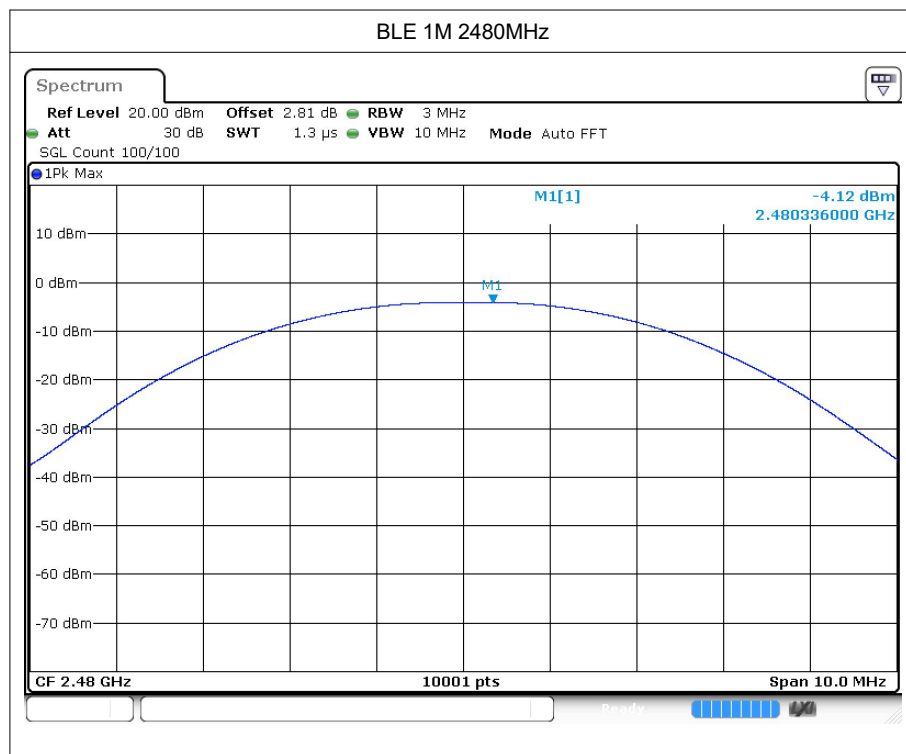
2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	-5.5	30	Pass
BLE 1M	2440	-5.06	30	Pass
BLE 1M	2480	-4.12	30	Pass

2.2 Test Graphs



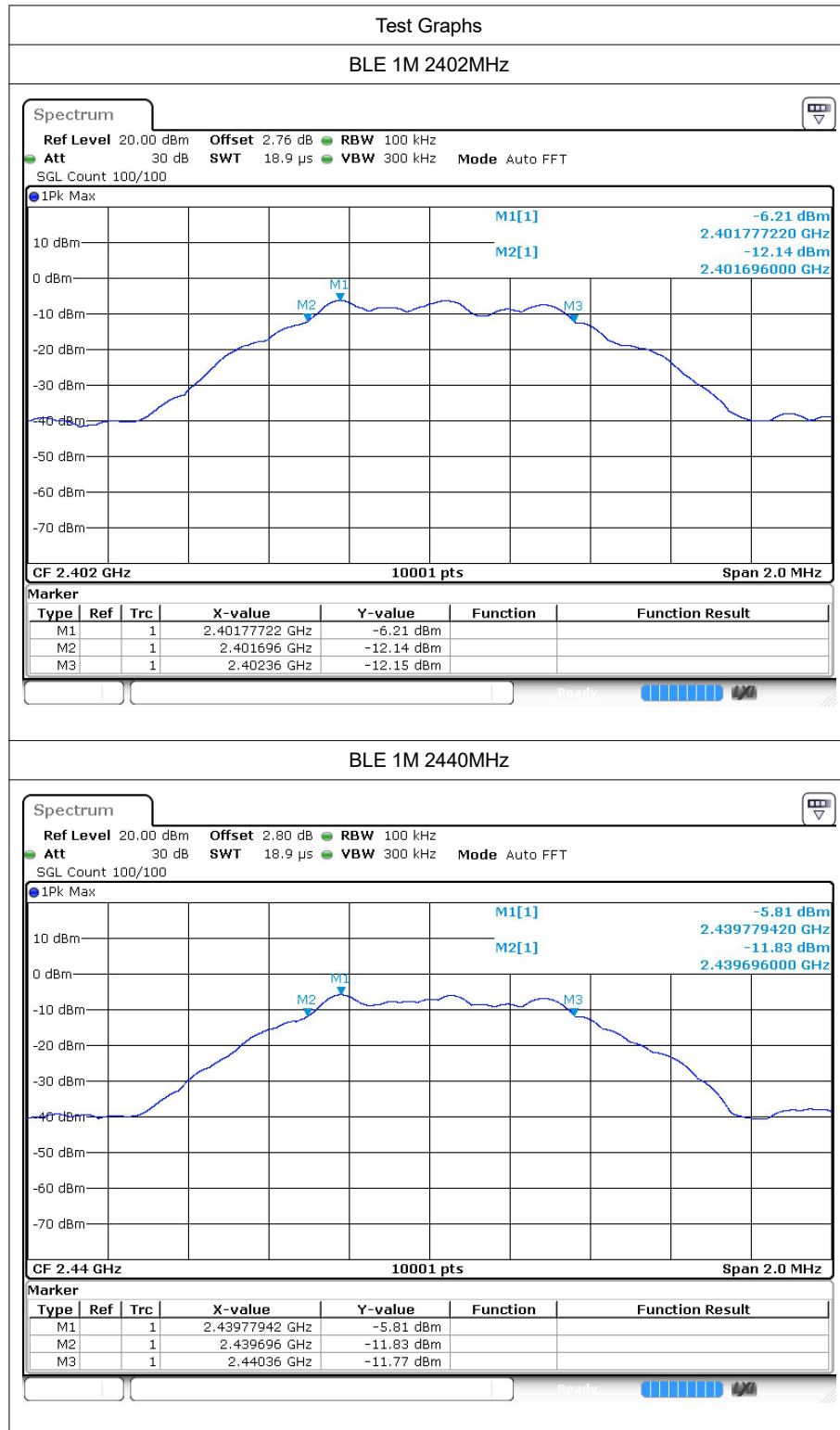


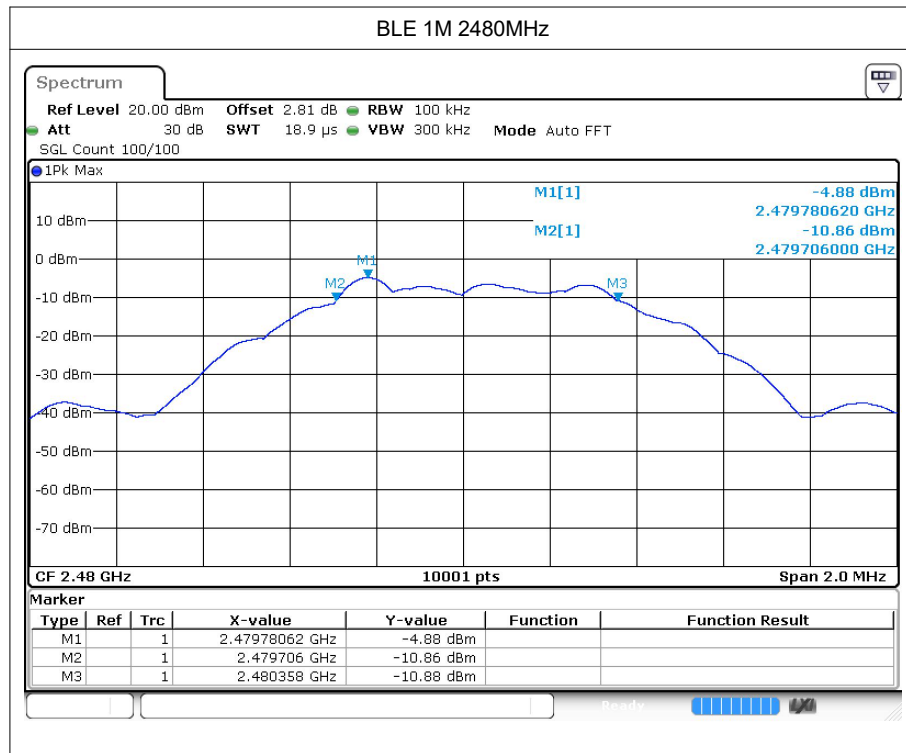
3 -6dB Bandwidth

3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.665	0.5	Pass
BLE 1M	2440	0.664	0.5	Pass
BLE 1M	2480	0.652	0.5	Pass

3.2 Test Graphs



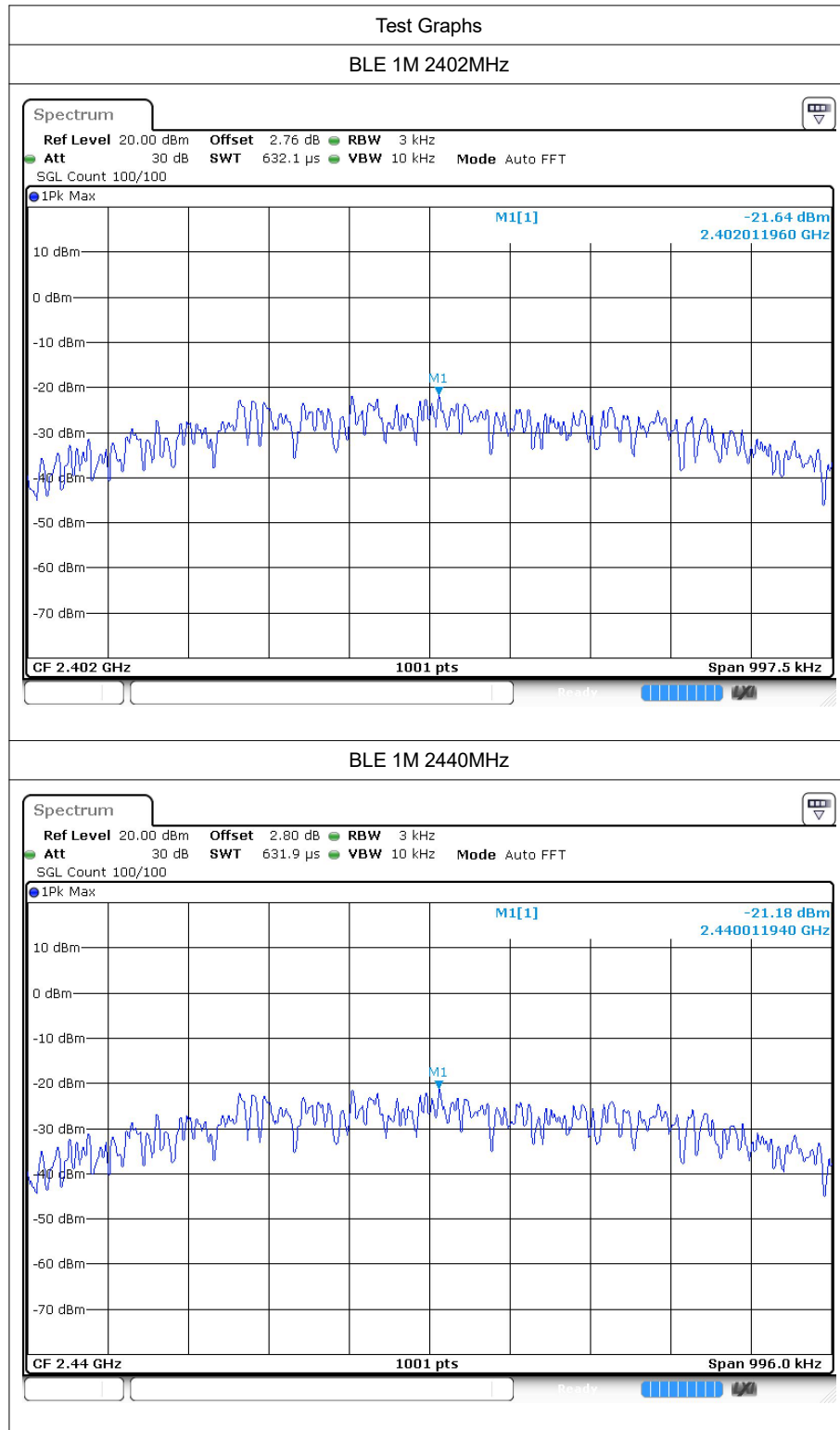


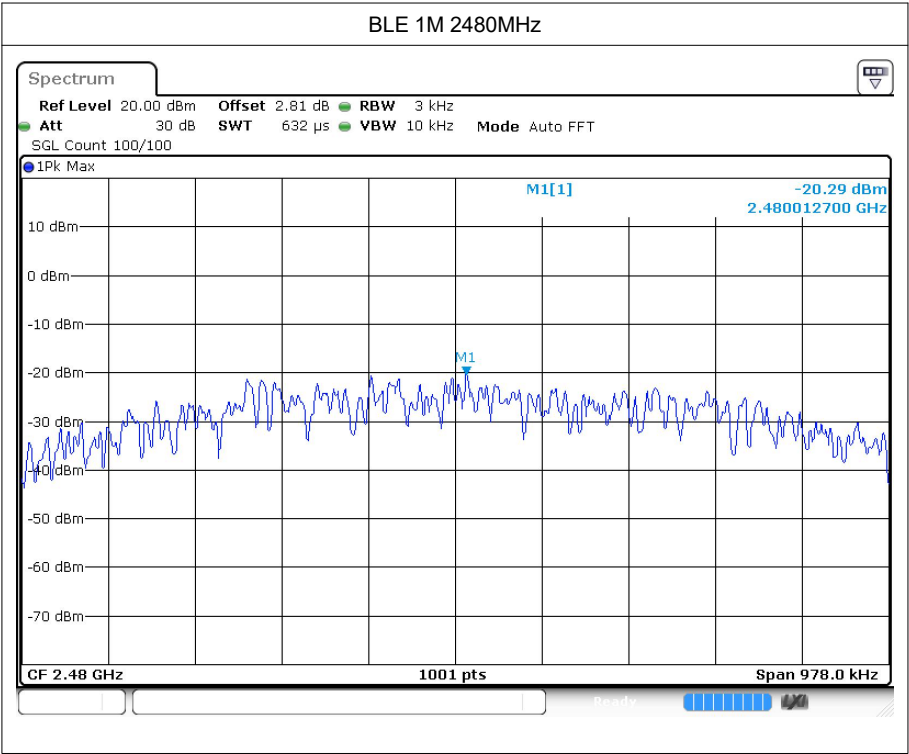
4 Maximum Power Spectral Density Level

4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-21.64	≤8	Pass
BLE 1M	2440	-21.18	≤8	Pass
BLE 1M	2480	-20.29	≤8	Pass

4.2 Test Graphs





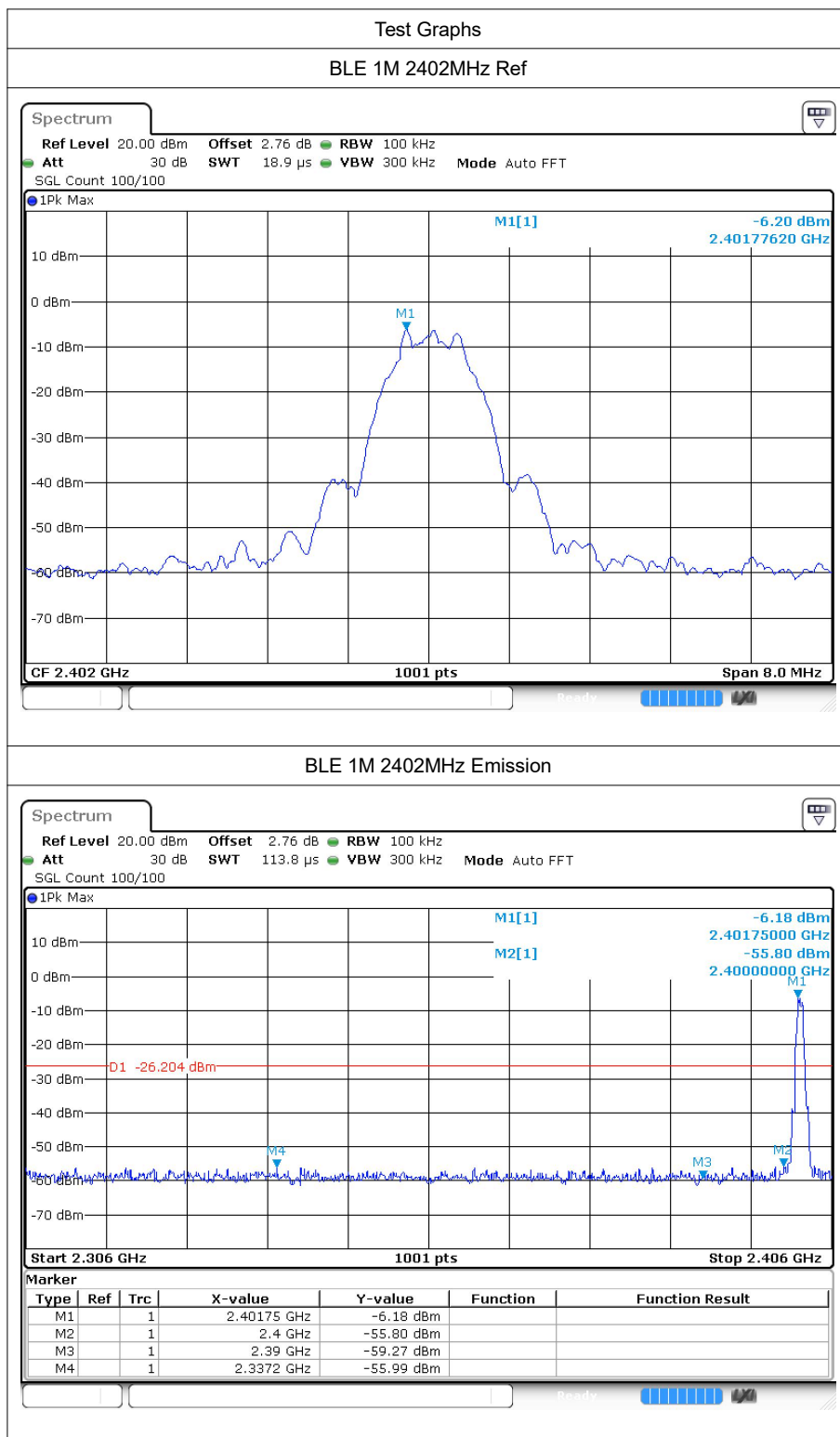


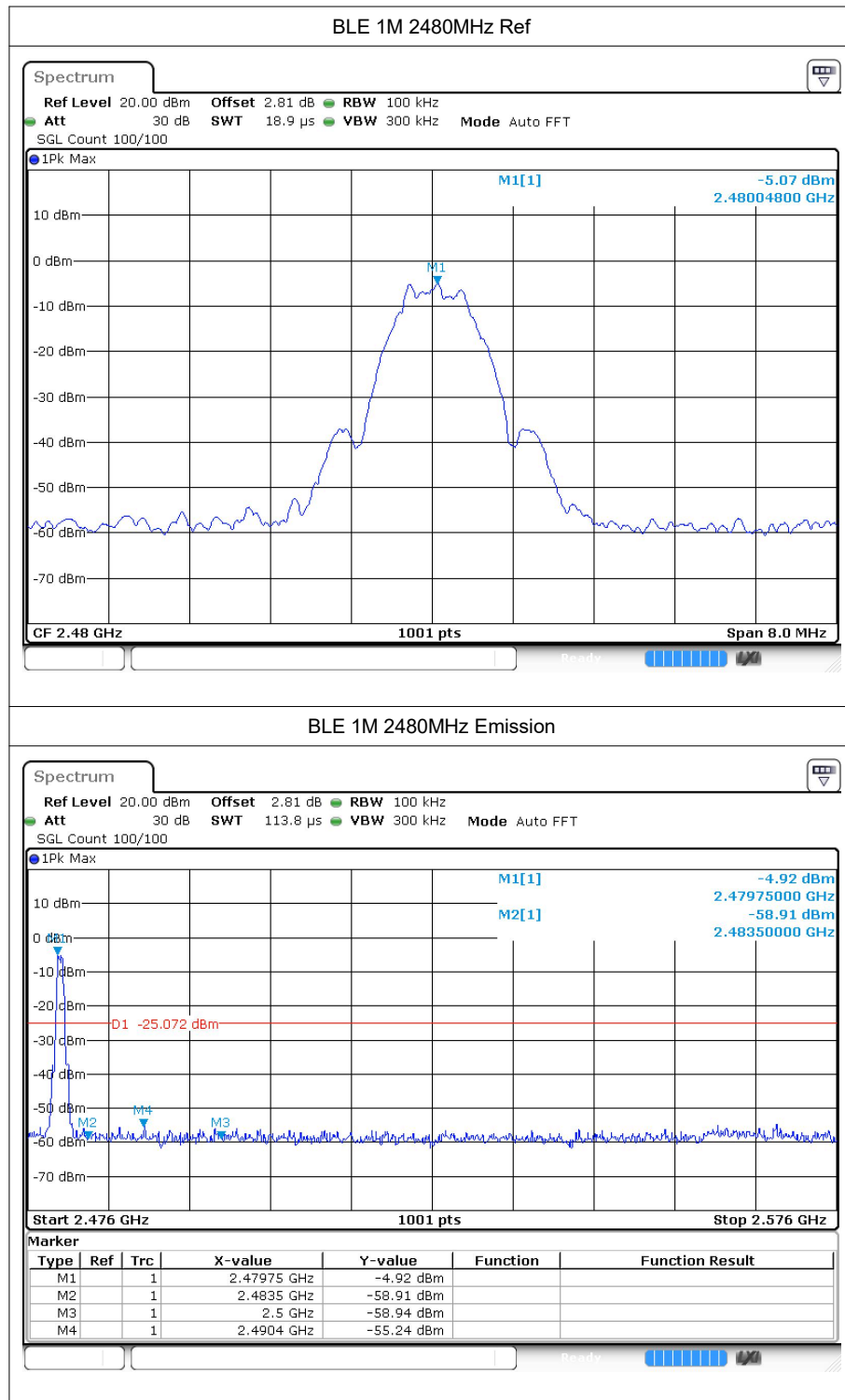
5 Band Edge

5.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-49.78	-20	Pass
BLE 1M	2480	-50.16	-20	Pass

5.2 Test Graphs





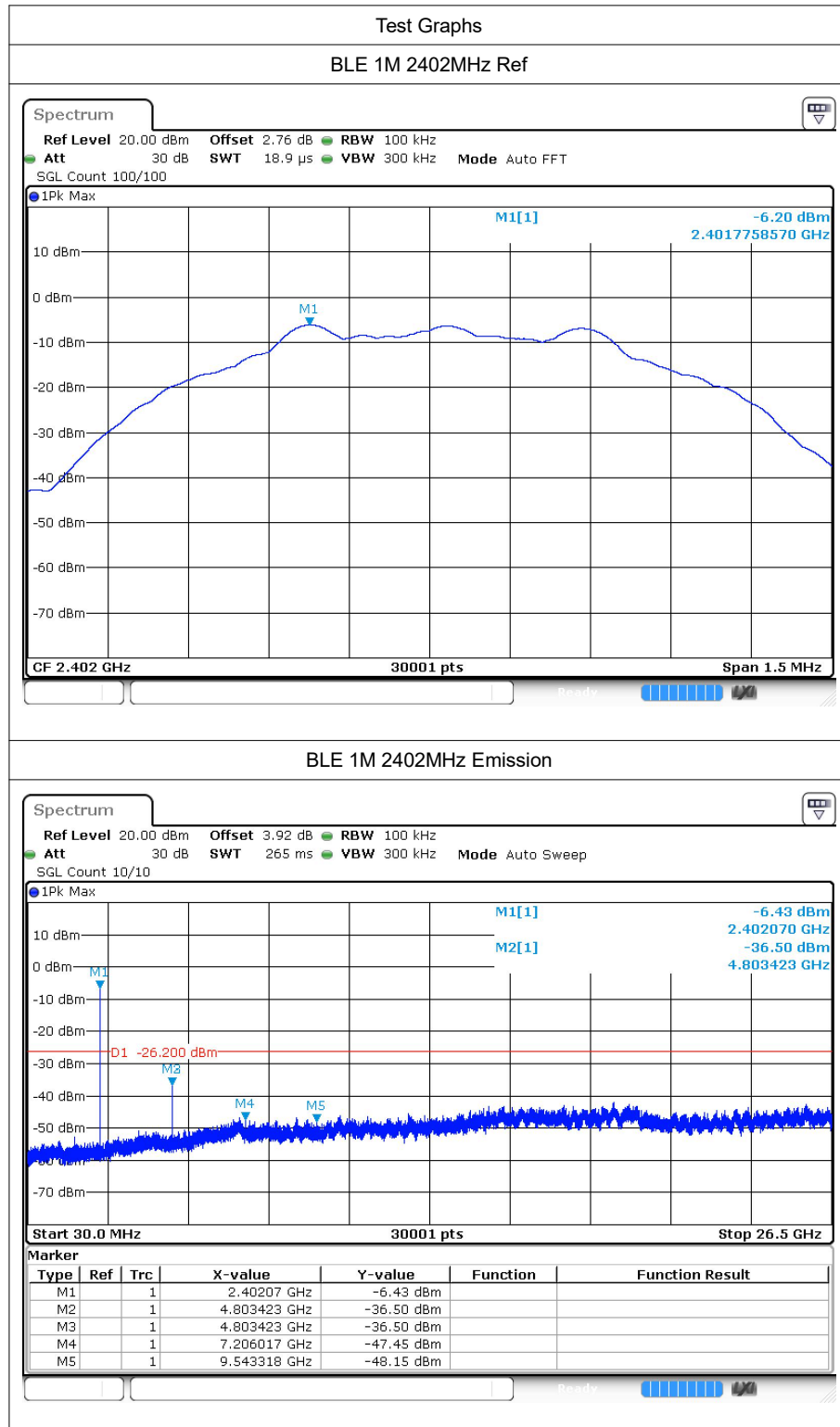


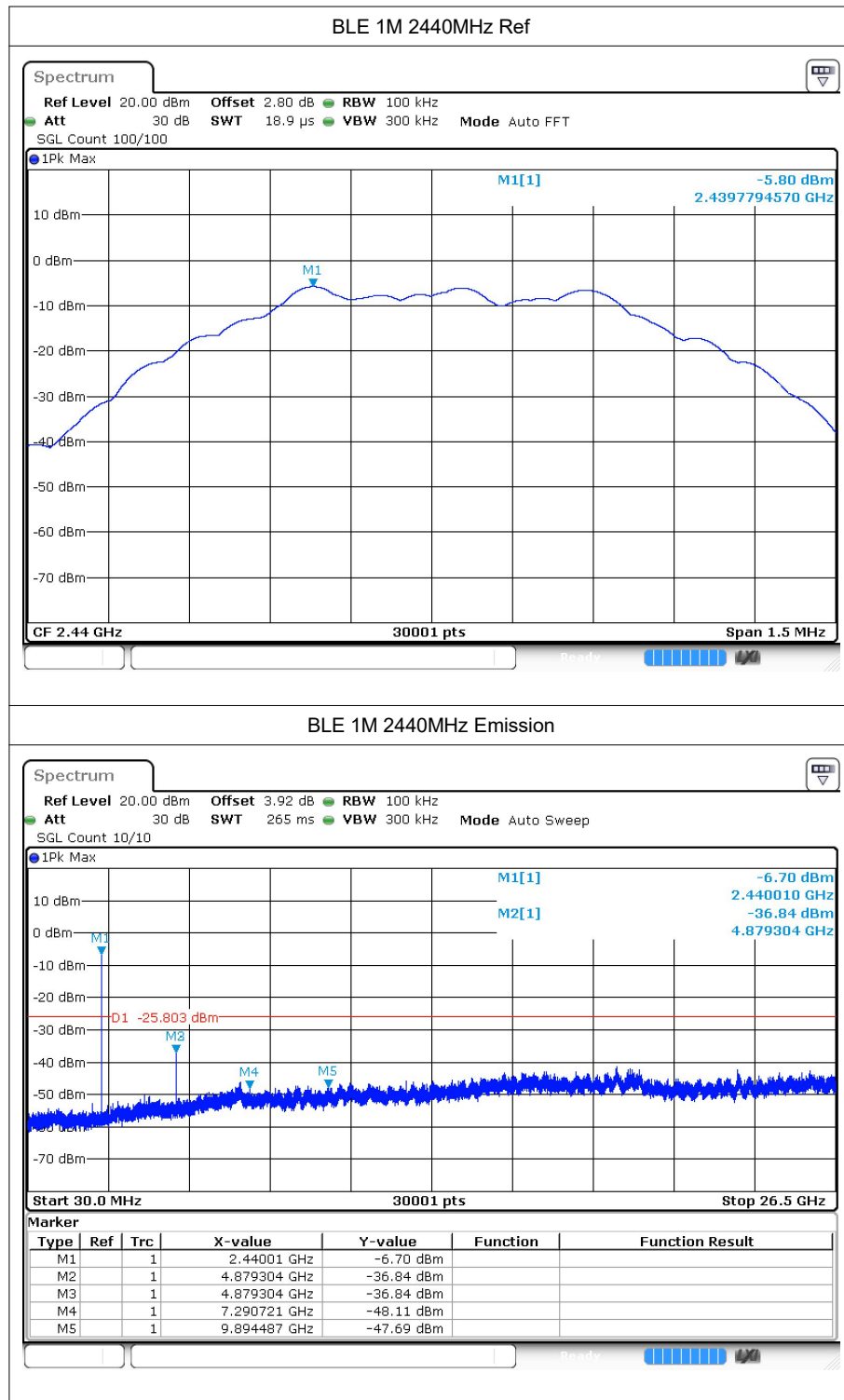
6 Conducted RF Spurious Emission

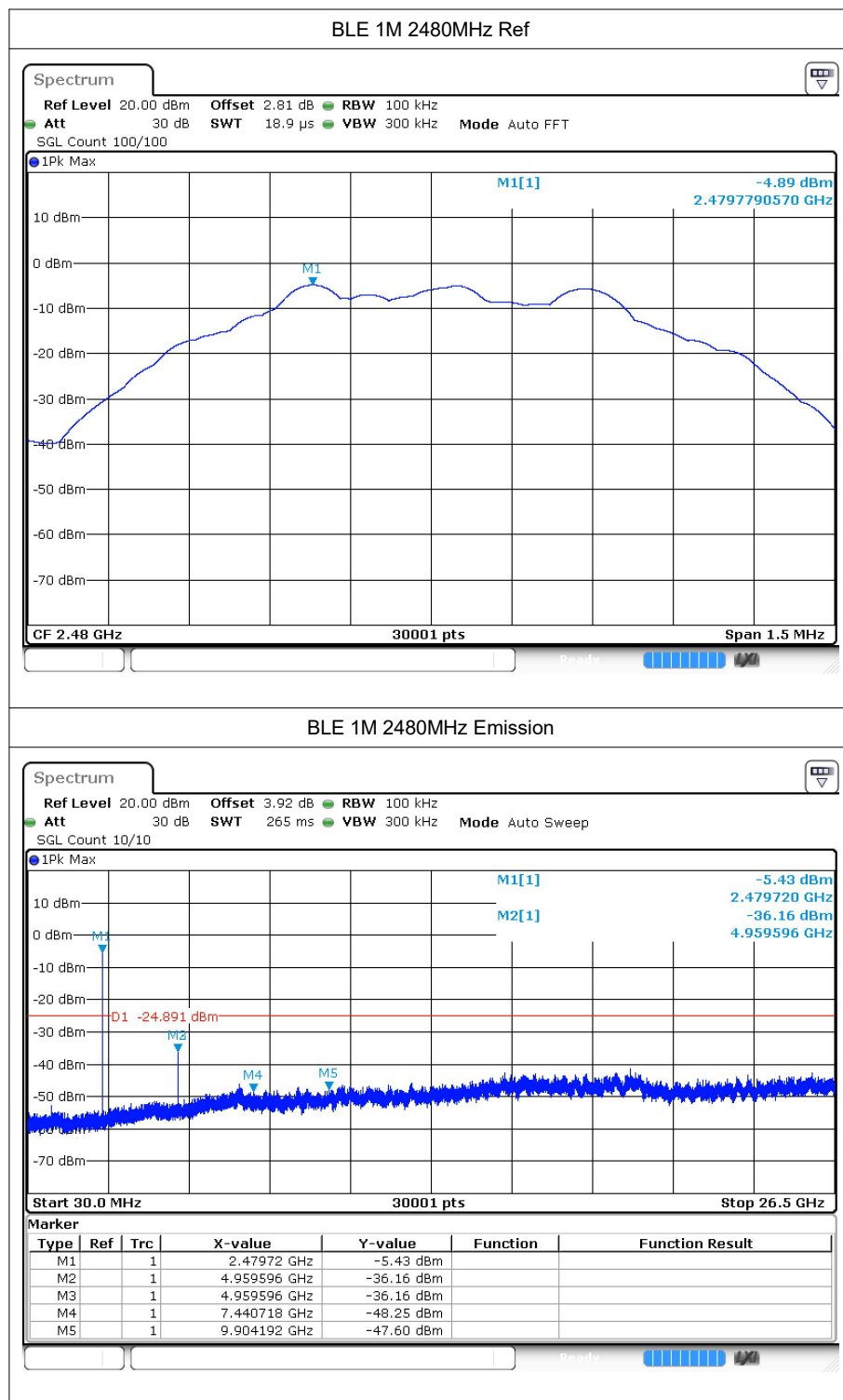
6.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-30.3	-20	Pass
BLE 1M	2440	-31.04	-20	Pass
BLE 1M	2480	-31.26	-20	Pass

6.2 Test Graphs







---The End---