



Appendix B

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

Product Name: Smart Bracelet

Trade Mark: N/A

Test Model: S18

Environmental Conditions

Temperature:	24.4° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Aalen.Ye
Supervised by:	Allen Wang



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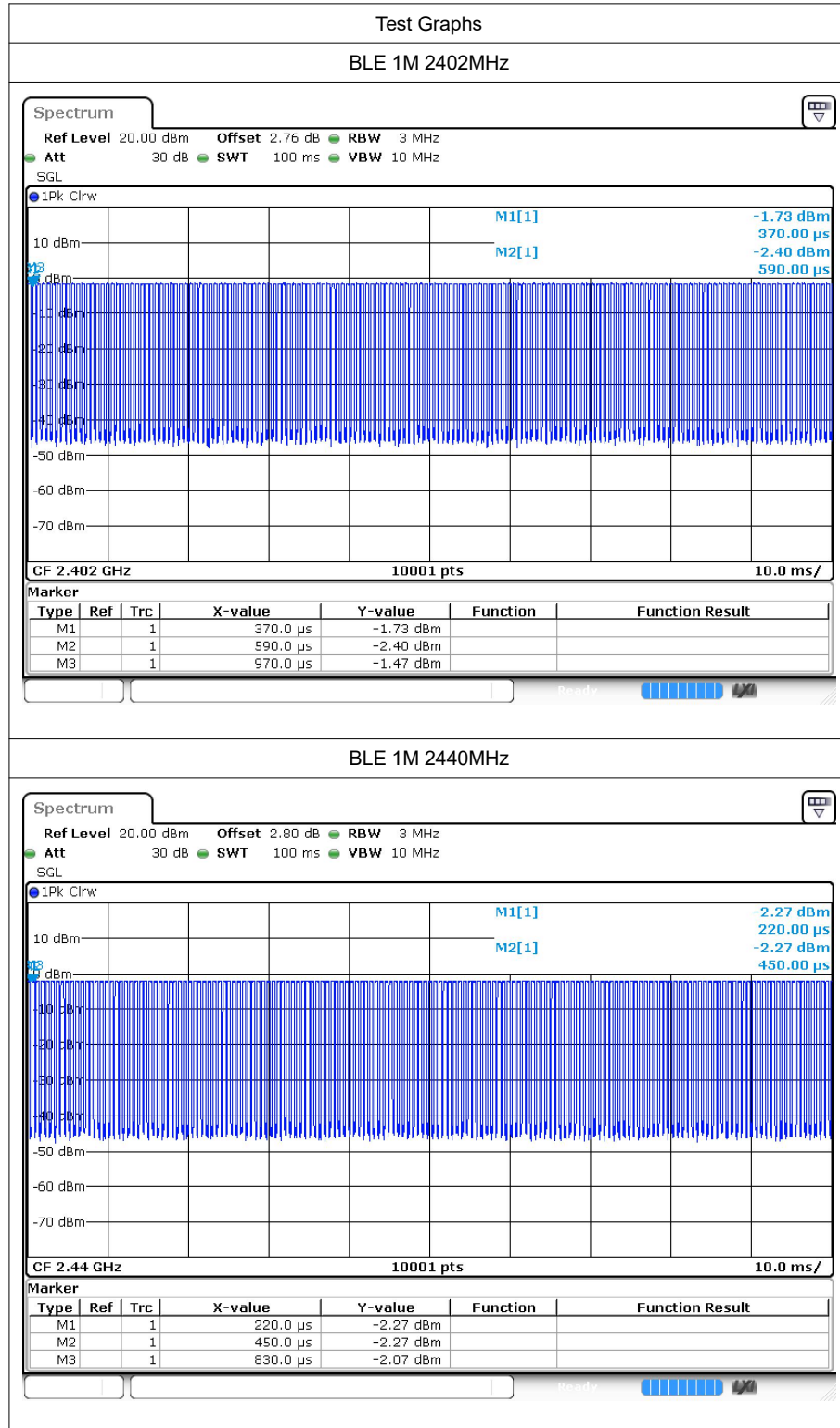


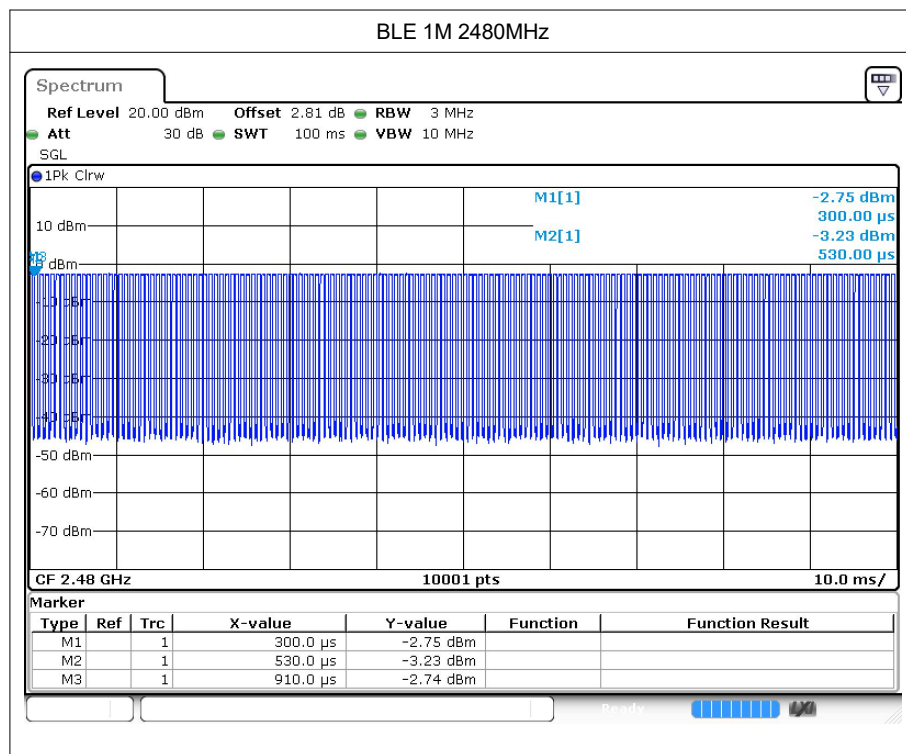
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor	1/T (kHz)
BLE 1M	2402	64.66	1.89	2.63
BLE 1M	2440	64.78	1.89	2.63
BLE 1M	2480	64.73	1.89	2.63

1.2 Test Graphs



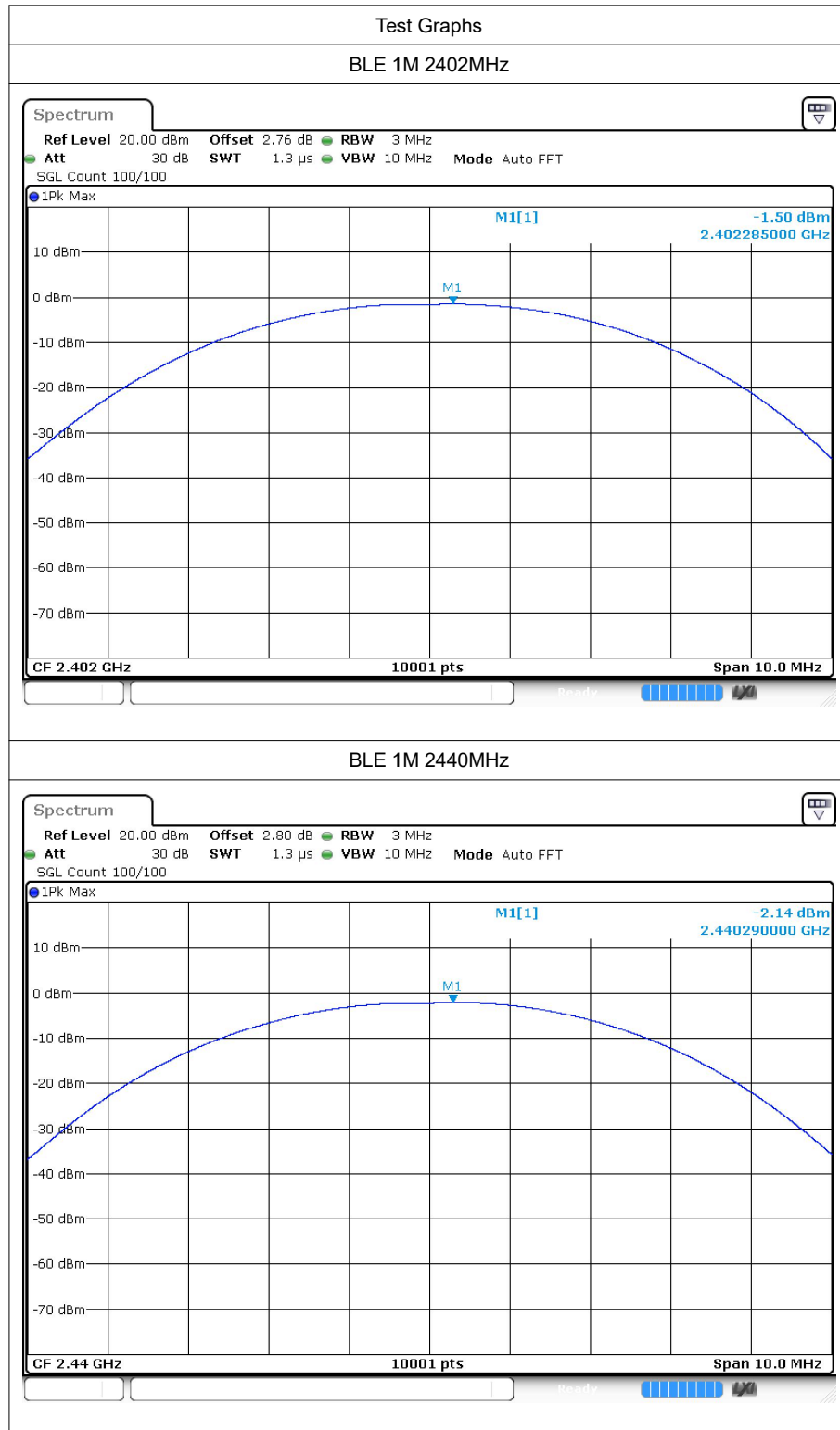


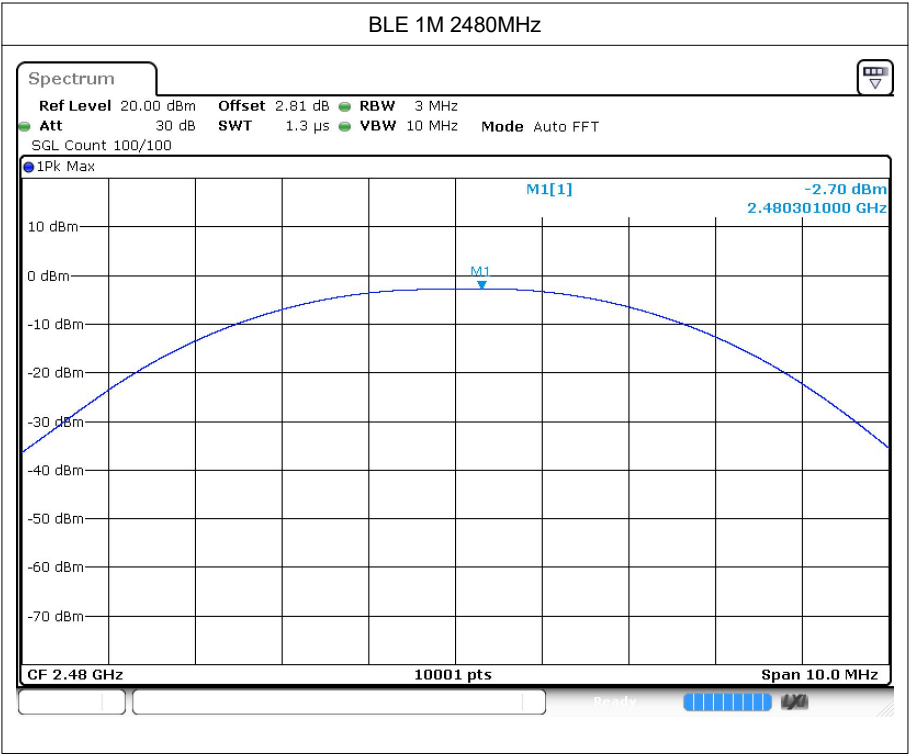
2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	-1.5	30	Pass
BLE 1M	2440	-2.14	30	Pass
BLE 1M	2480	-2.7	30	Pass

2.2 Test Graphs



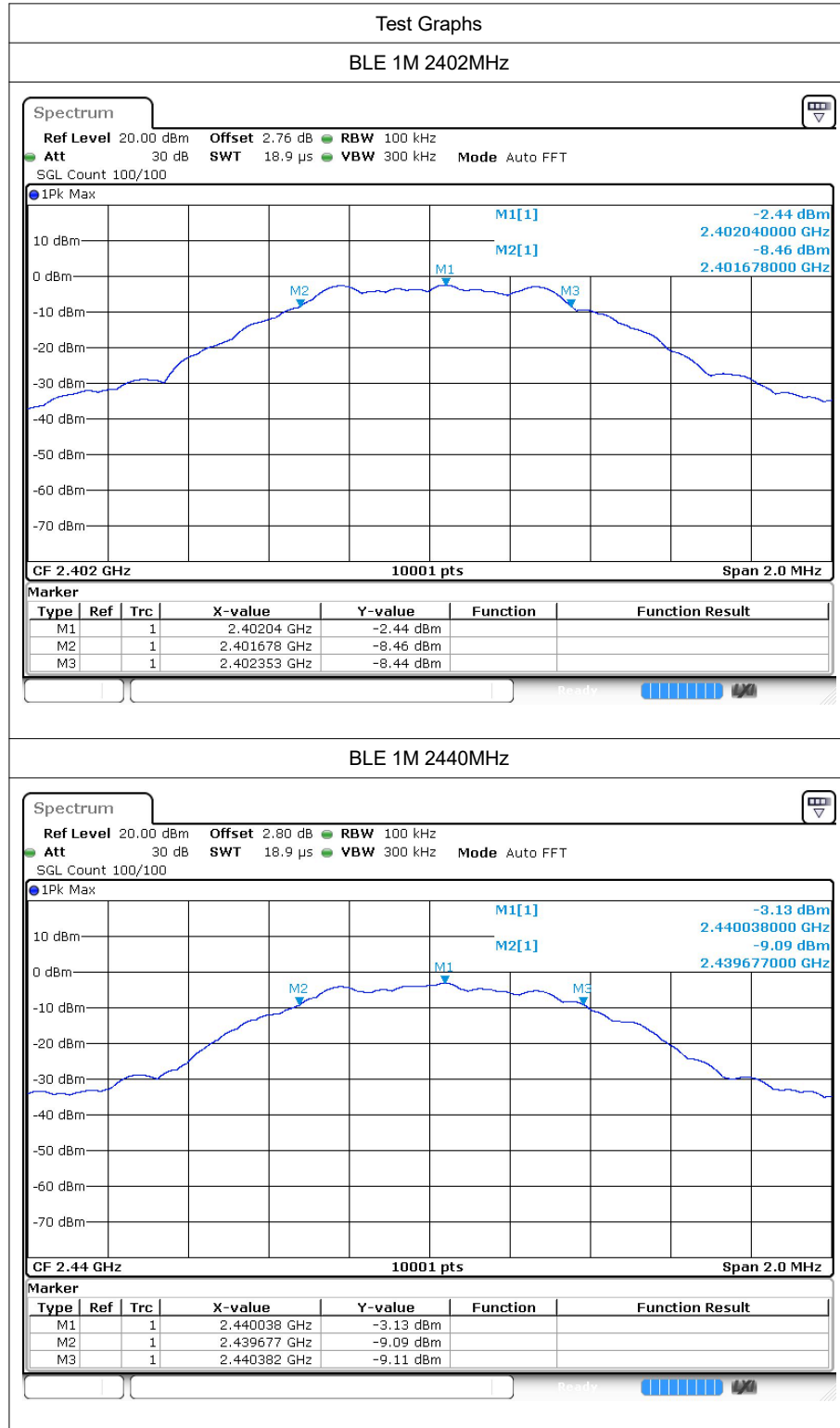


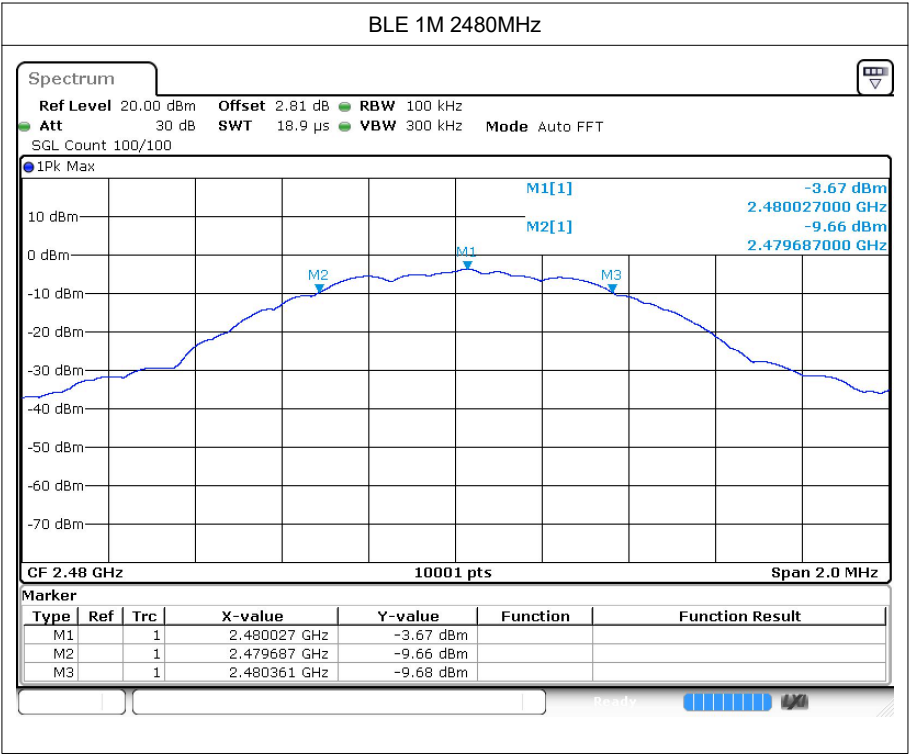
3 -6dB Bandwidth

3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.675	0.5	Pass
BLE 1M	2440	0.706	0.5	Pass
BLE 1M	2480	0.674	0.5	Pass

3.2 Test Graphs



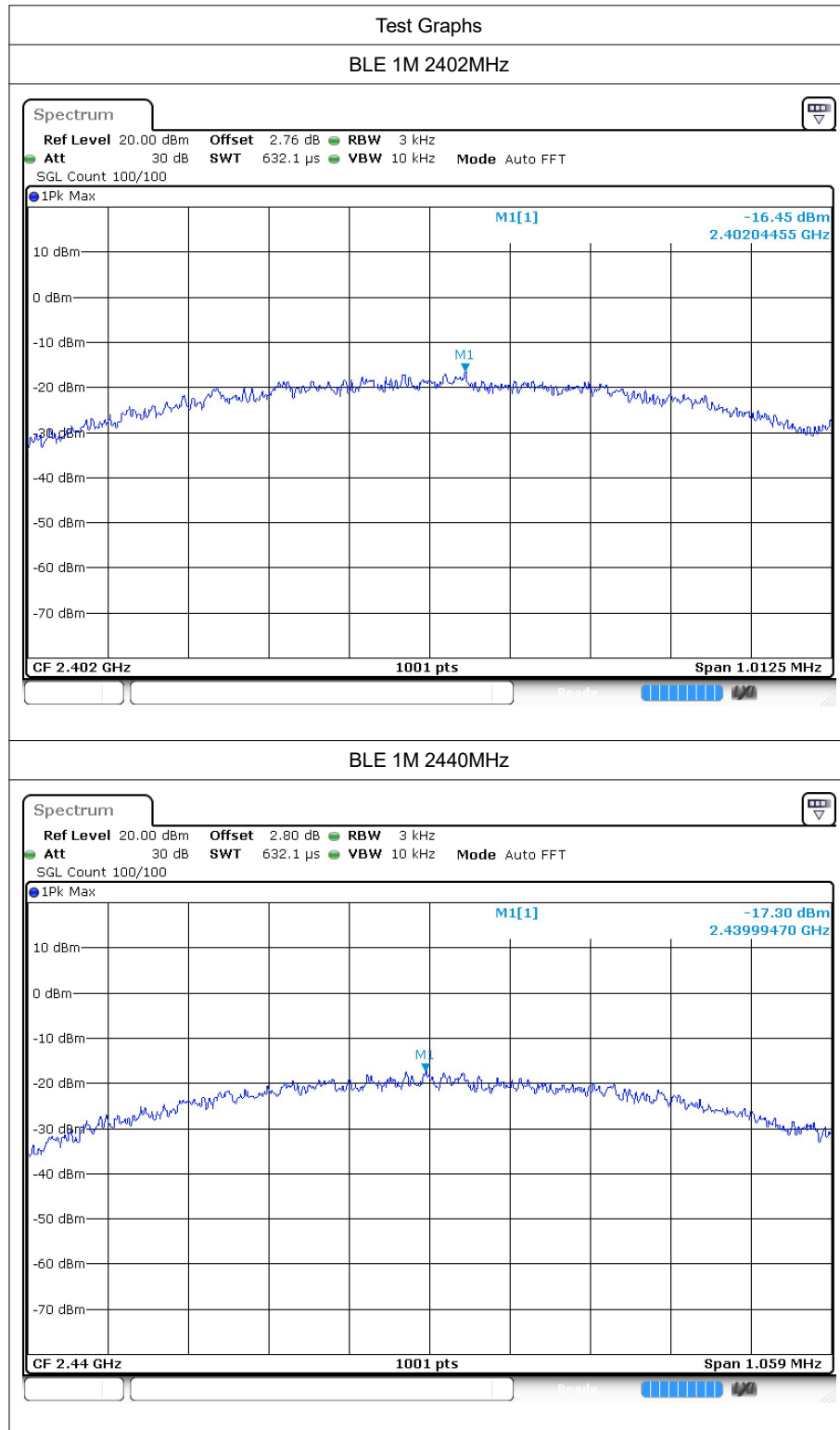


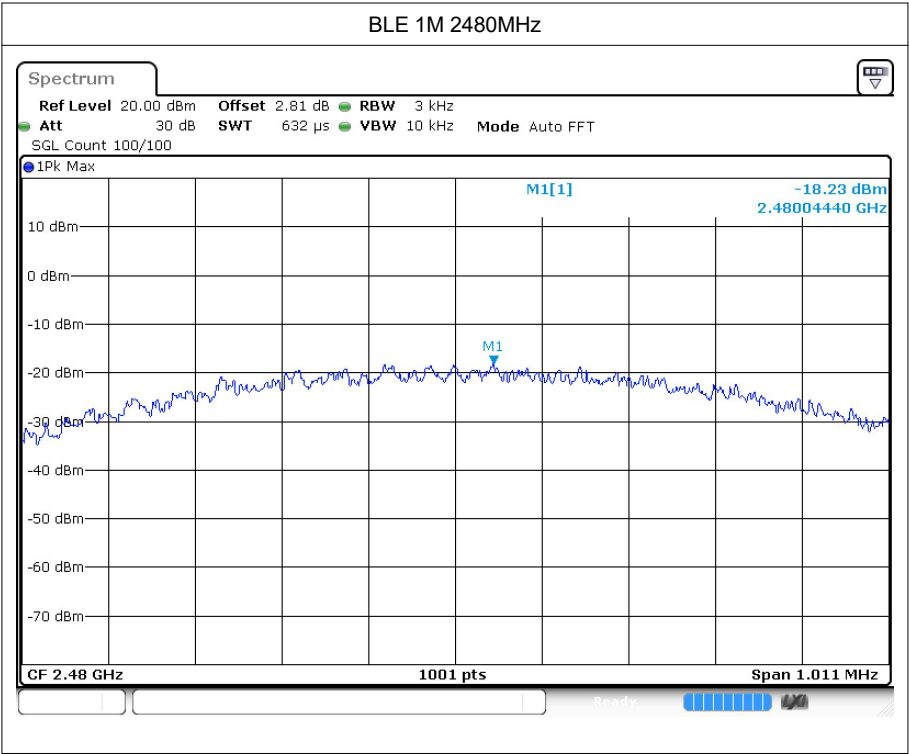
4 Maximum Power Spectral Density Level

4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-16.45	≤8	Pass
BLE 1M	2440	-17.3	≤8	Pass
BLE 1M	2480	-18.23	≤8	Pass

4.2 Test Graphs





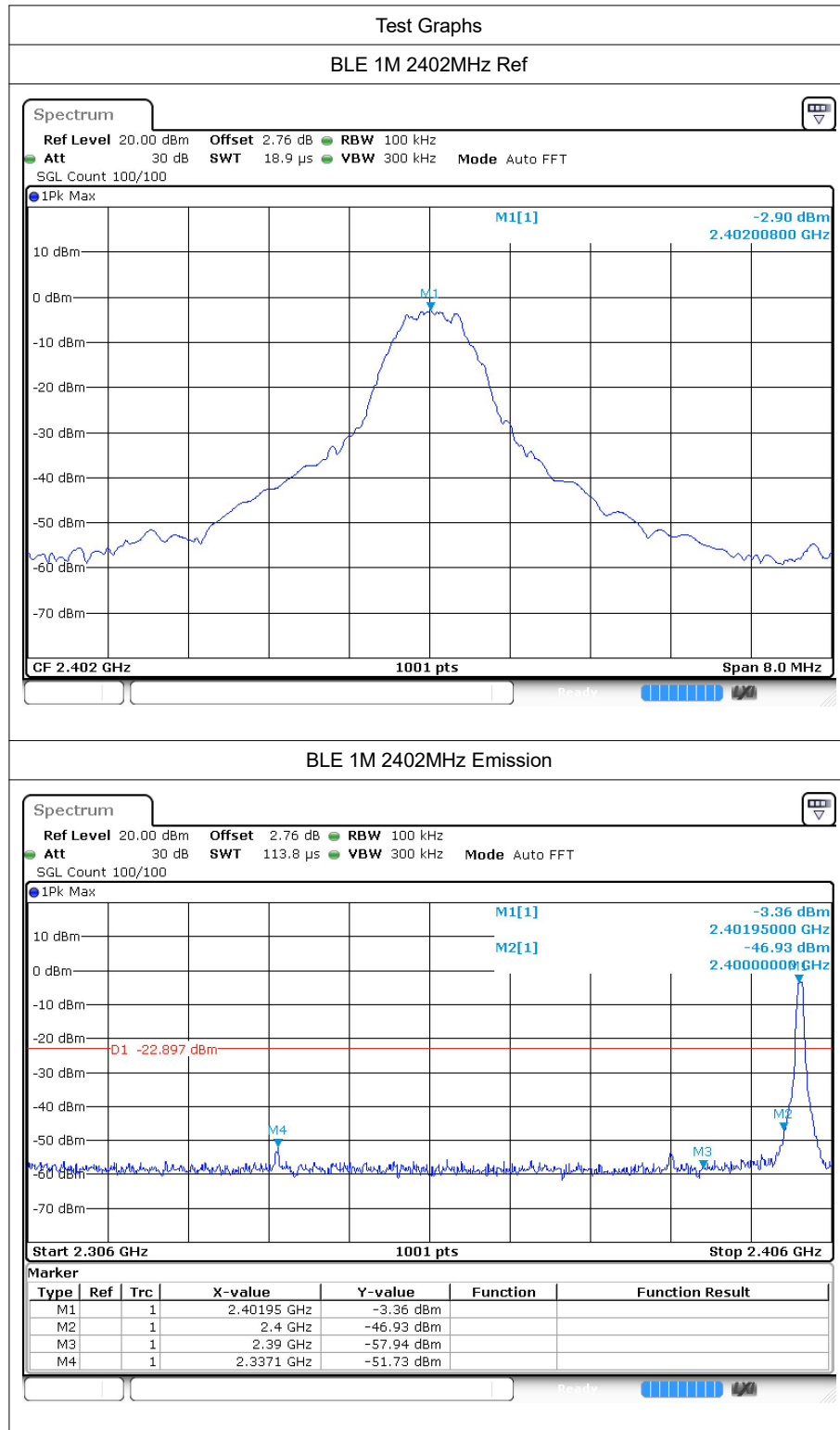


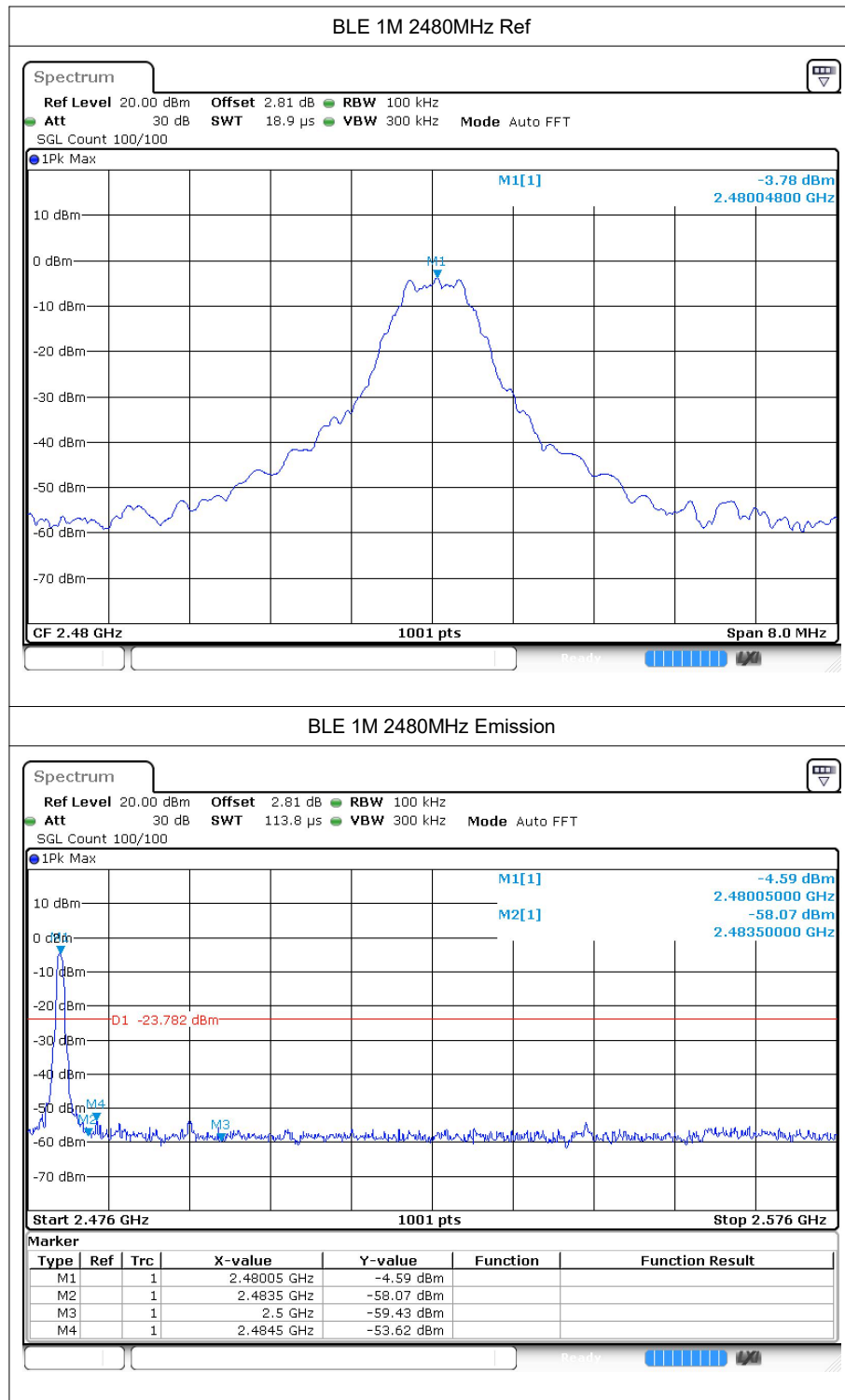
5 Band Edge

5.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-48.83	-20	Pass
BLE 1M	2480	-49.84	-20	Pass

5.2 Test Graphs



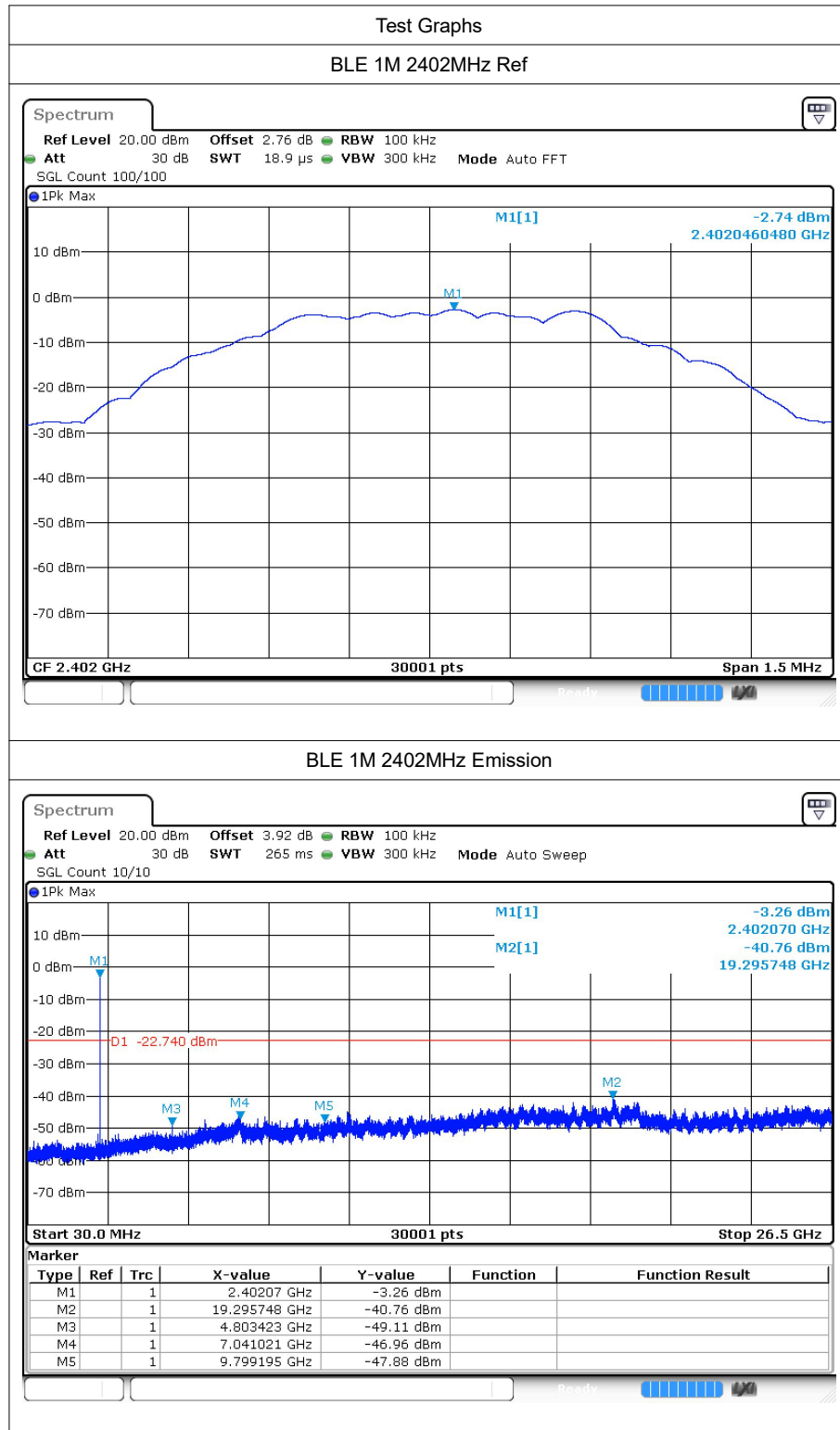


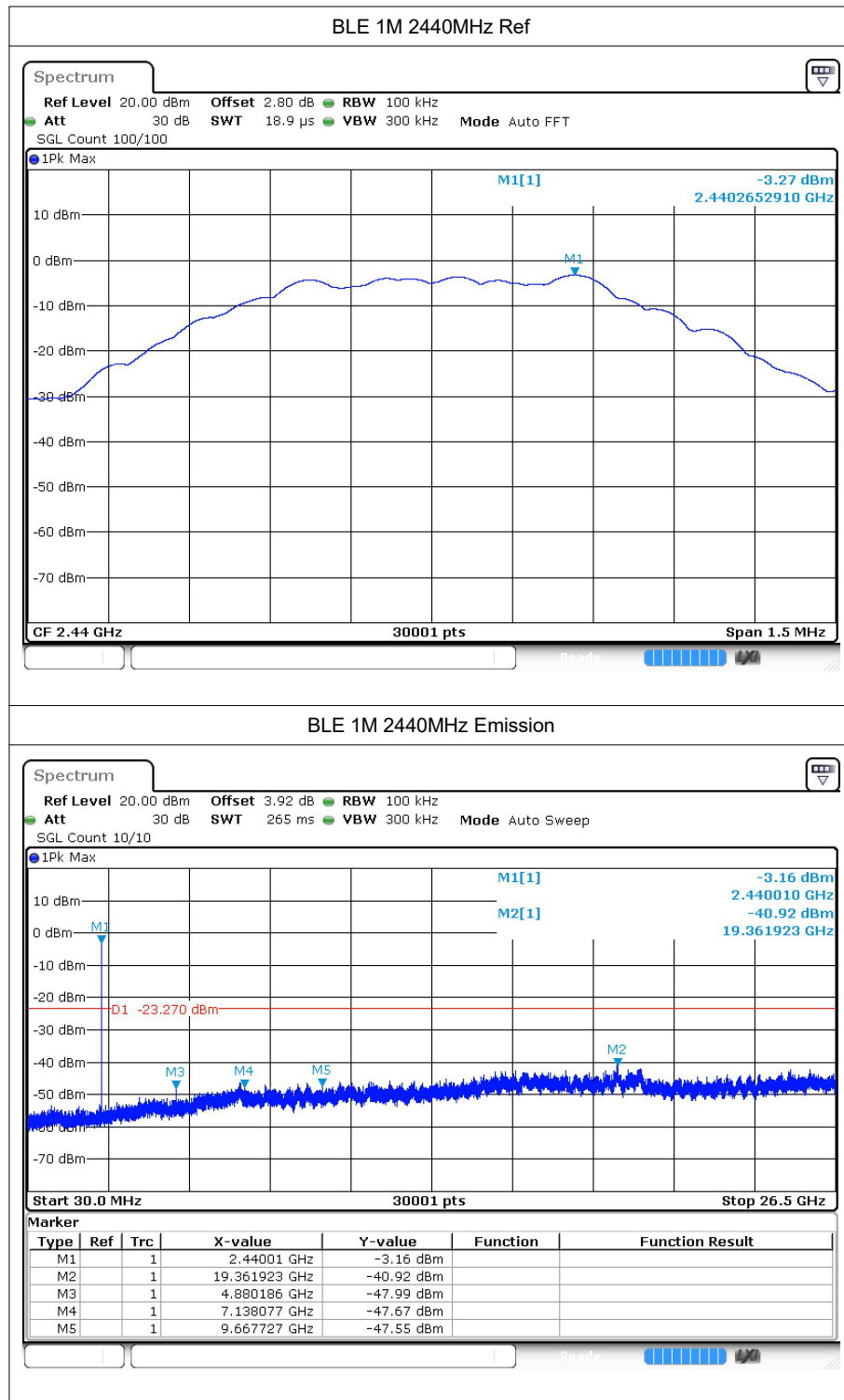
6 Conducted RF Spurious Emission

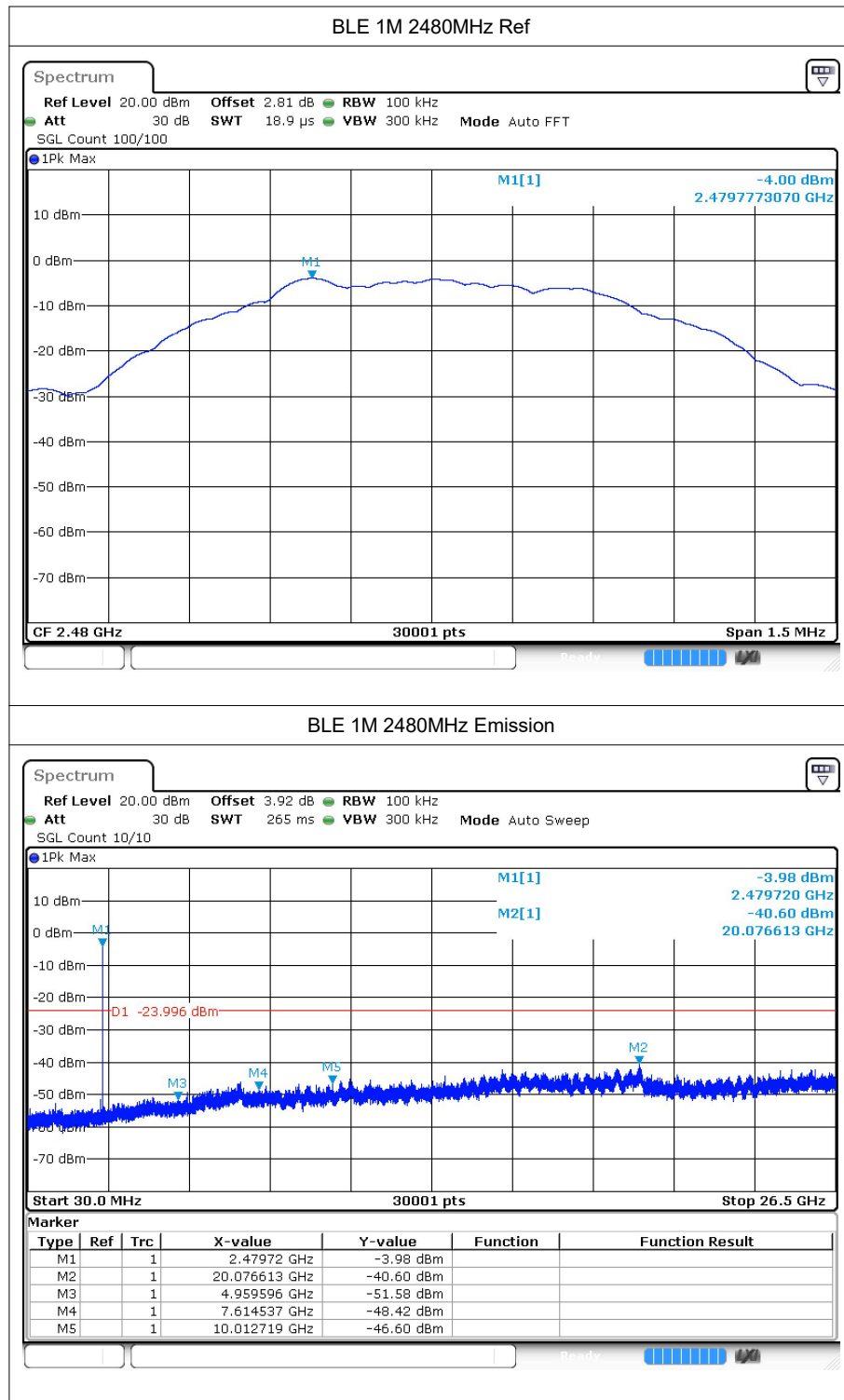
6.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-38.01	-20	Pass
BLE 1M	2440	-37.65	-20	Pass
BLE 1M	2480	-36.6	-20	Pass

6.2 Test Graphs







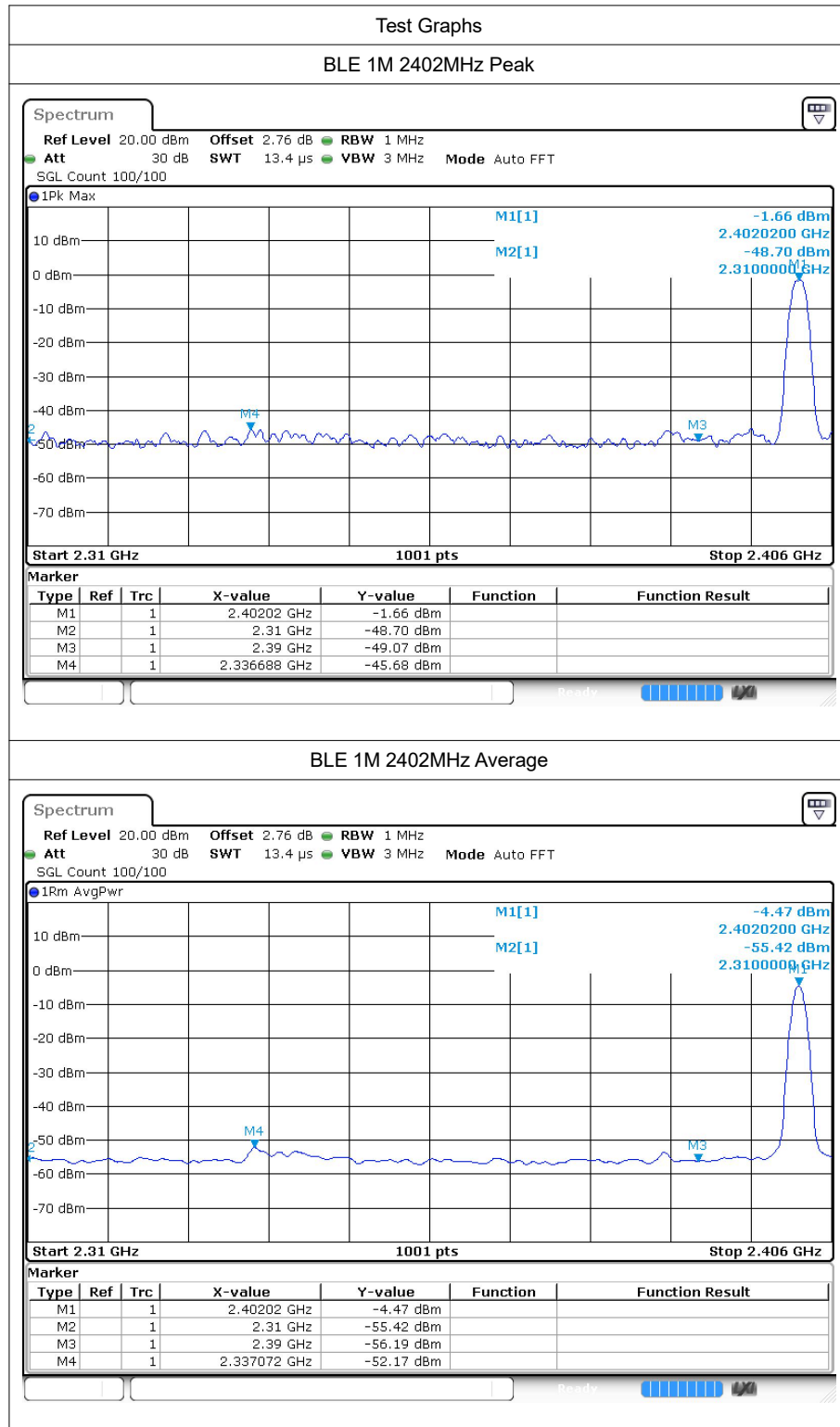


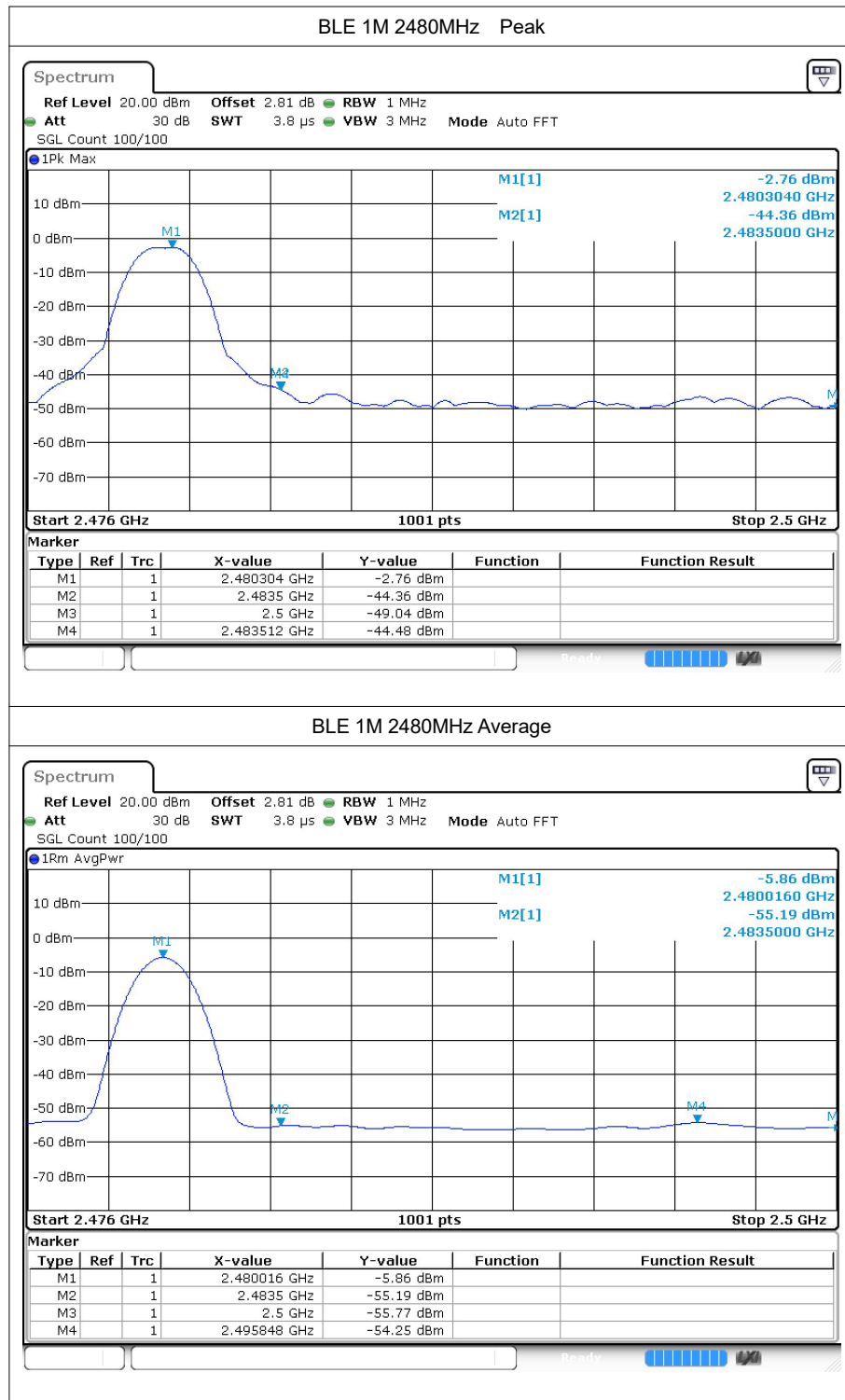
7 Restrict Band

7.1 Test Result

Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
BLE 1M	2402	2310	-48.7	2.0	-	48.53	Peak	74	Pass
BLE 1M	2402	2310	-55.42	2.0	1.89	43.7	Average	54	Pass
BLE 1M	2402	2336.688	-45.68	2.0	-	51.55	Peak	74	Pass
BLE 1M	2402	2337.072	-52.16	2.0	1.89	46.96	Average	54	Pass
BLE 1M	2402	2390	-49.07	2.0	-	48.16	Peak	74	Pass
BLE 1M	2402	2390	-56.19	2.0	1.89	42.93	Average	54	Pass
BLE 1M	2480	2483.5	-44.36	2.0	-	52.87	Peak	74	Pass
BLE 1M	2480	2483.5	-55.19	2.0	1.89	43.93	Average	54	Pass
BLE 1M	2480	2483.512	-44.47	2.0	-	52.76	Peak	74	Pass
BLE 1M	2480	2495.848	-54.24	2.0	1.89	44.88	Average	54	Pass
BLE 1M	2480	2500	-49.04	2.0	-	48.19	Peak	74	Pass
BLE 1M	2480	2500	-55.77	2.0	1.89	43.35	Average	54	Pass

7.2 Test Graphs





---The End---