



Appendix B

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

Product Name: Indoor Smart Bike

Trade Mark: N/A

Test Model: T7

Environmental Conditions

Temperature:	25.6° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Emiya lin
Supervised by:	Simba Haung



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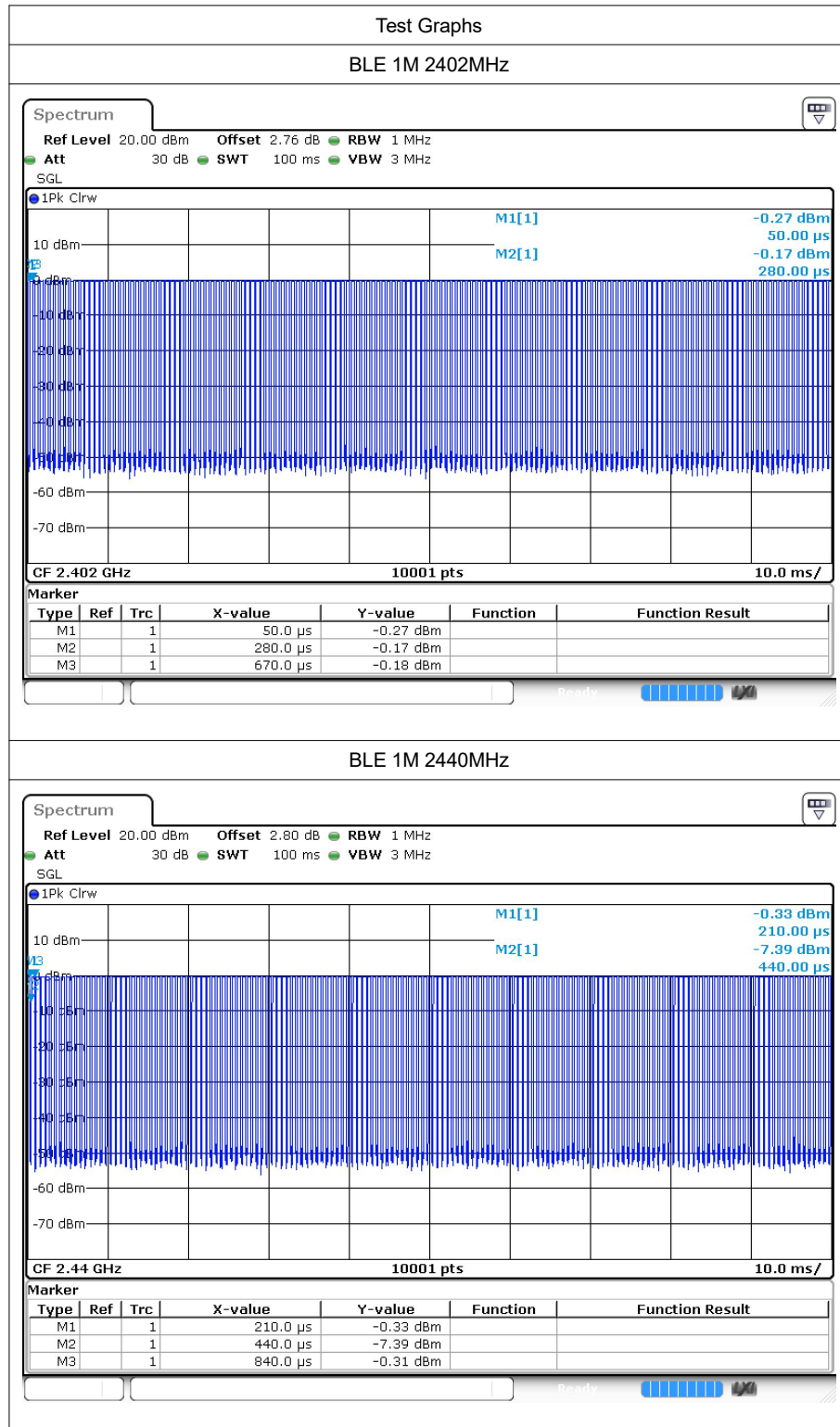


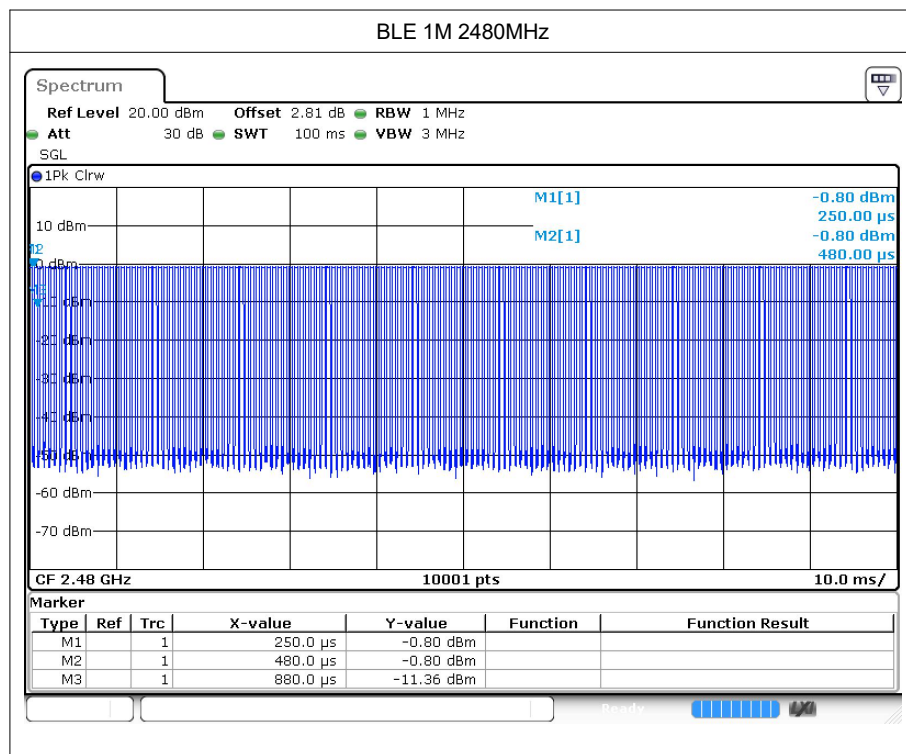
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor	1/T (kHz)
BLE 1M	2402	64.8	1.88	2.56
BLE 1M	2440	64.8	1.88	2.5
BLE 1M	2480	64.8	1.88	2.5

1.2 Test Graphs



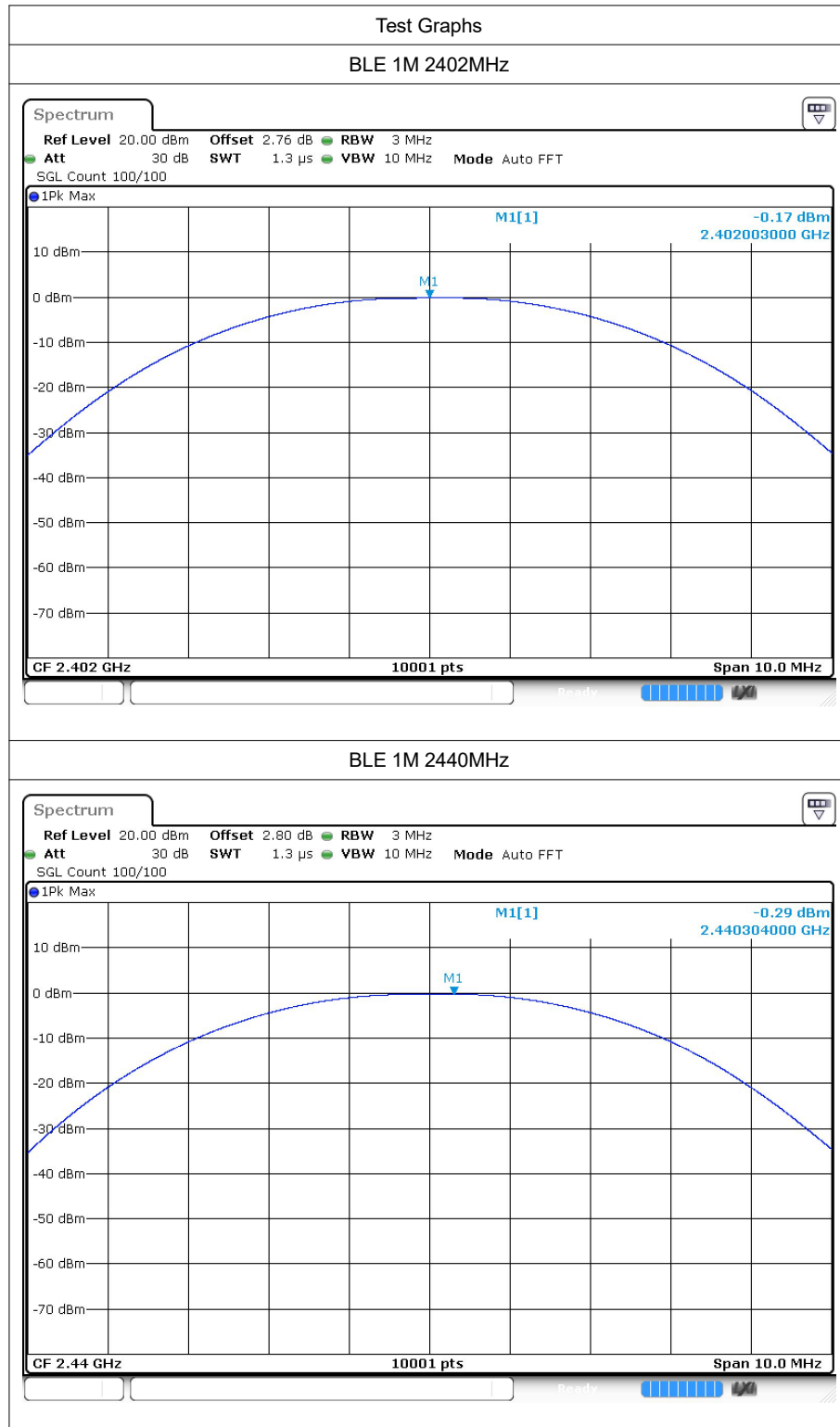


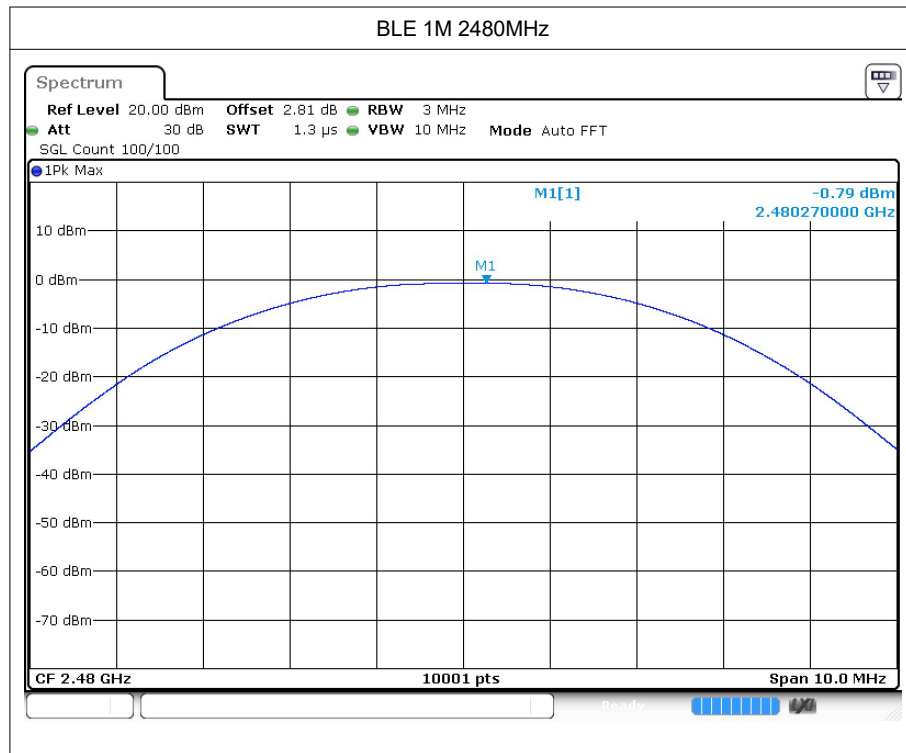
2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	-0.17	30	Pass
BLE 1M	2440	-0.29	30	Pass
BLE 1M	2480	-0.79	30	Pass

2.2 Test Graphs





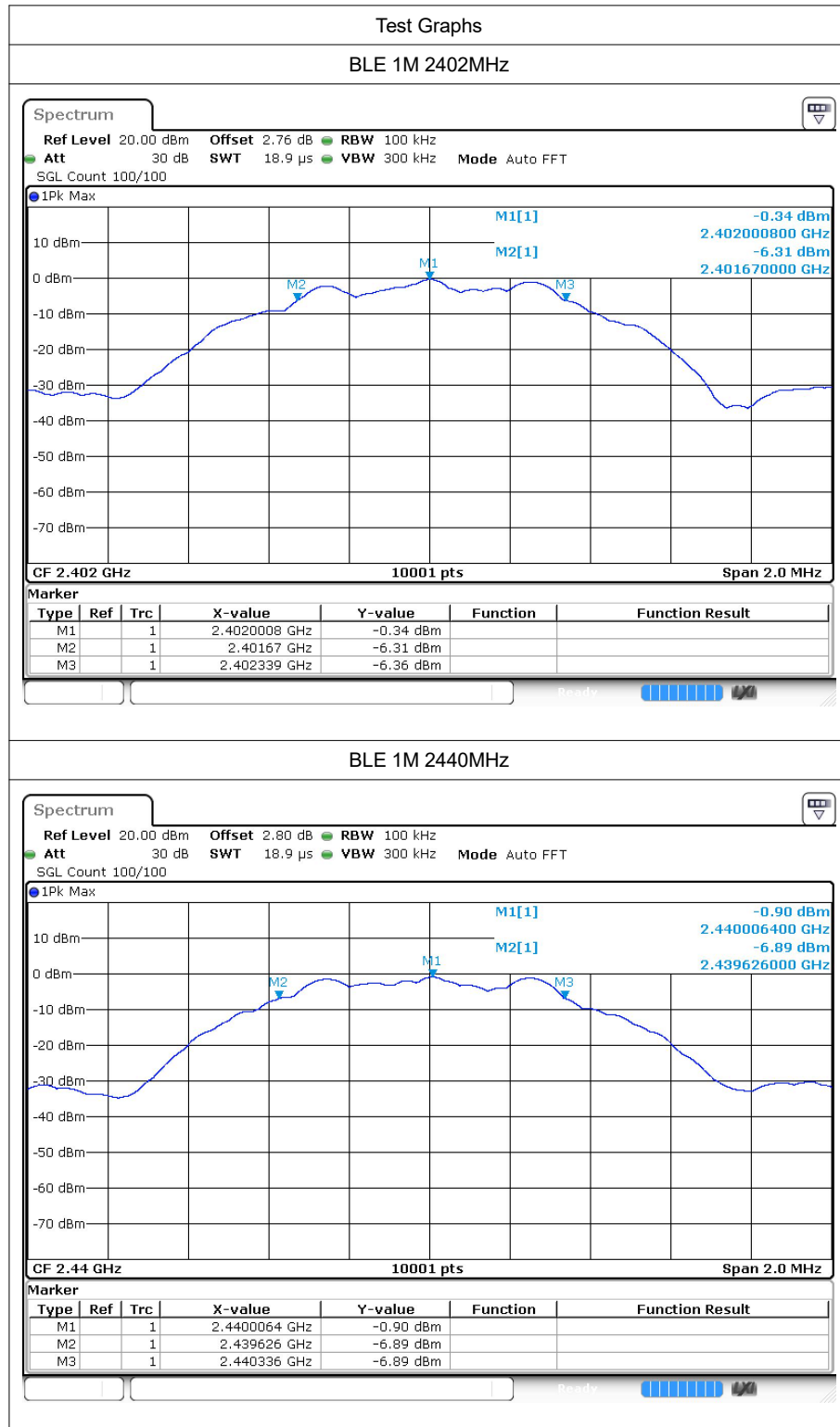


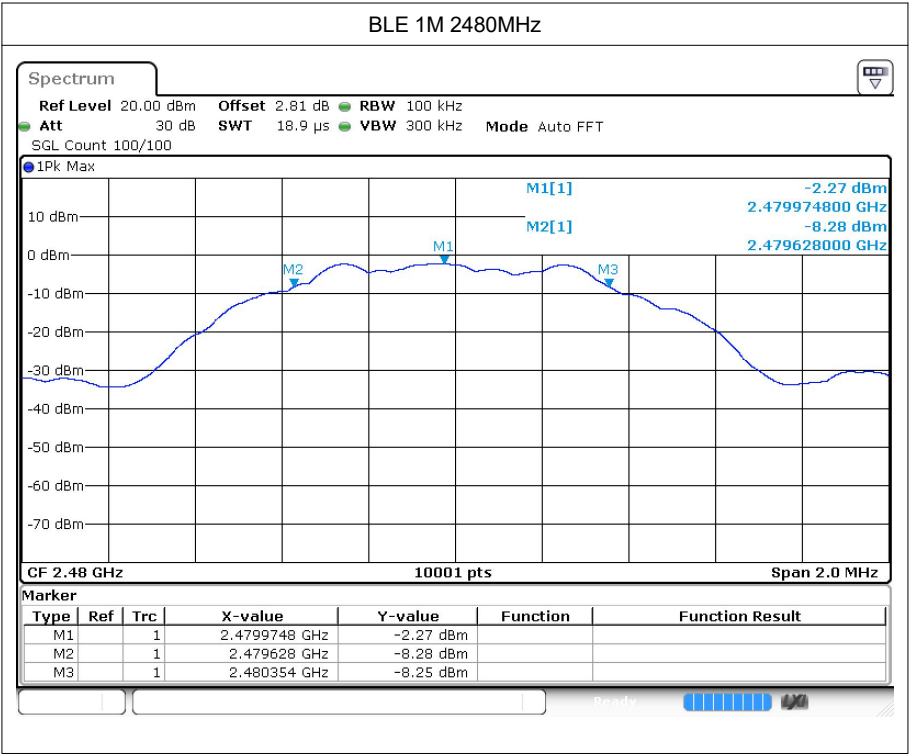
3 -6dB Bandwidth

3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.669	0.5	Pass
BLE 1M	2440	0.71	0.5	Pass
BLE 1M	2480	0.726	0.5	Pass

3.2 Test Graphs



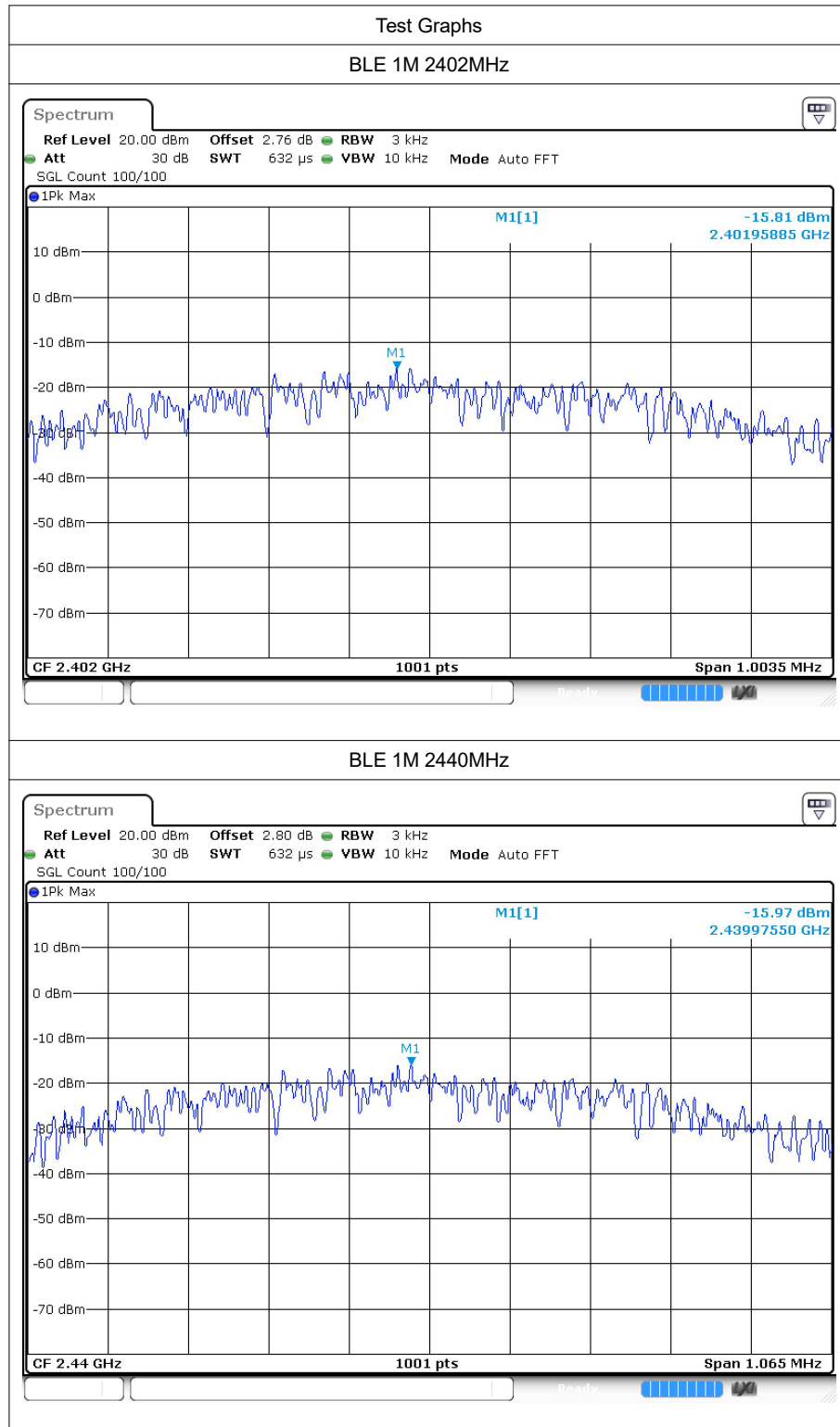


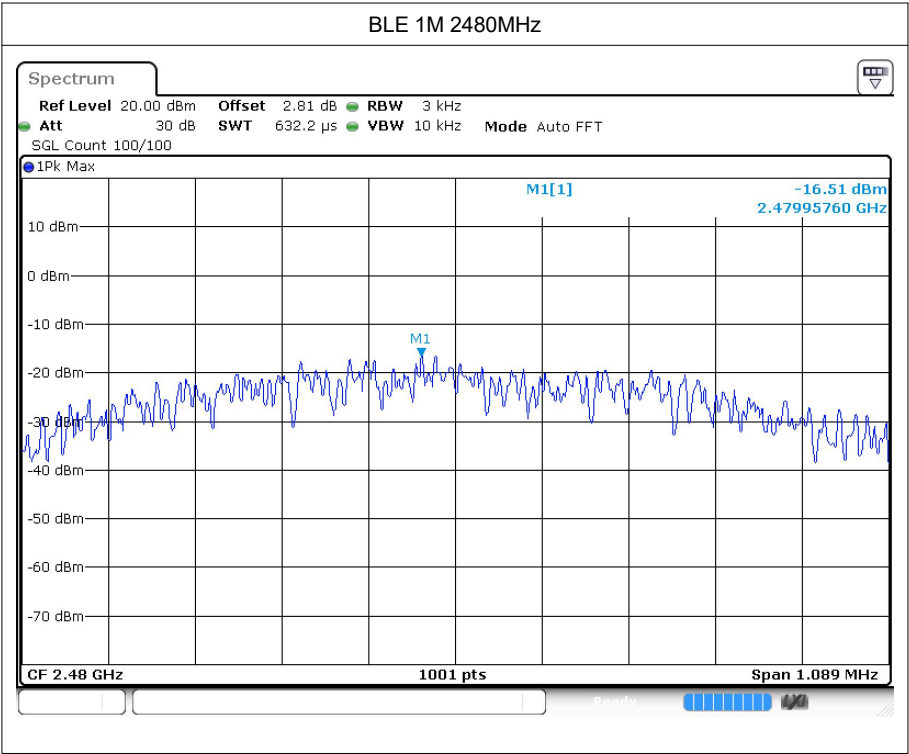
4 Maximum Power Spectral Density Level

4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-15.81	≤8	Pass
BLE 1M	2440	-15.97	≤8	Pass
BLE 1M	2480	-16.51	≤8	Pass

4.2 Test Graphs





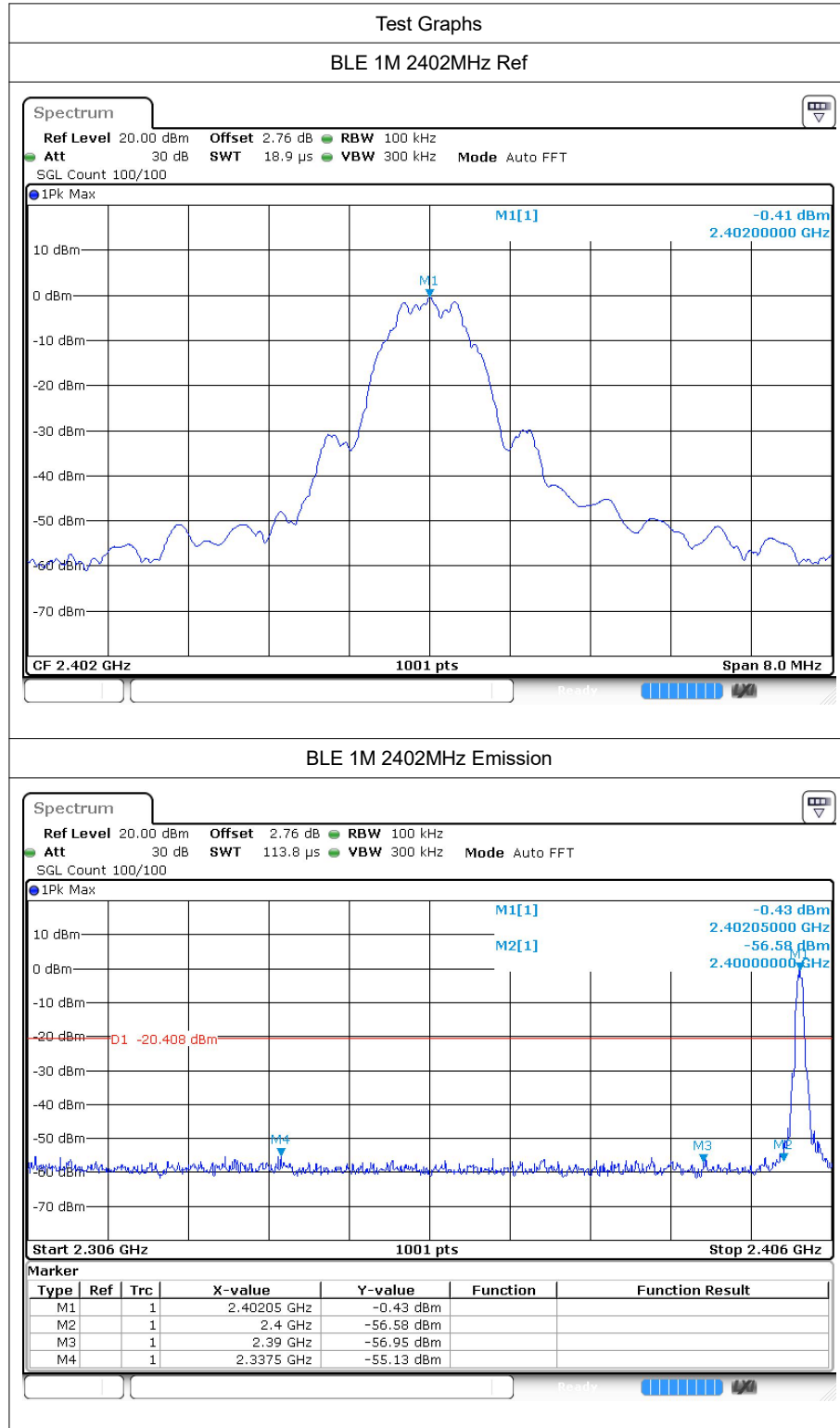


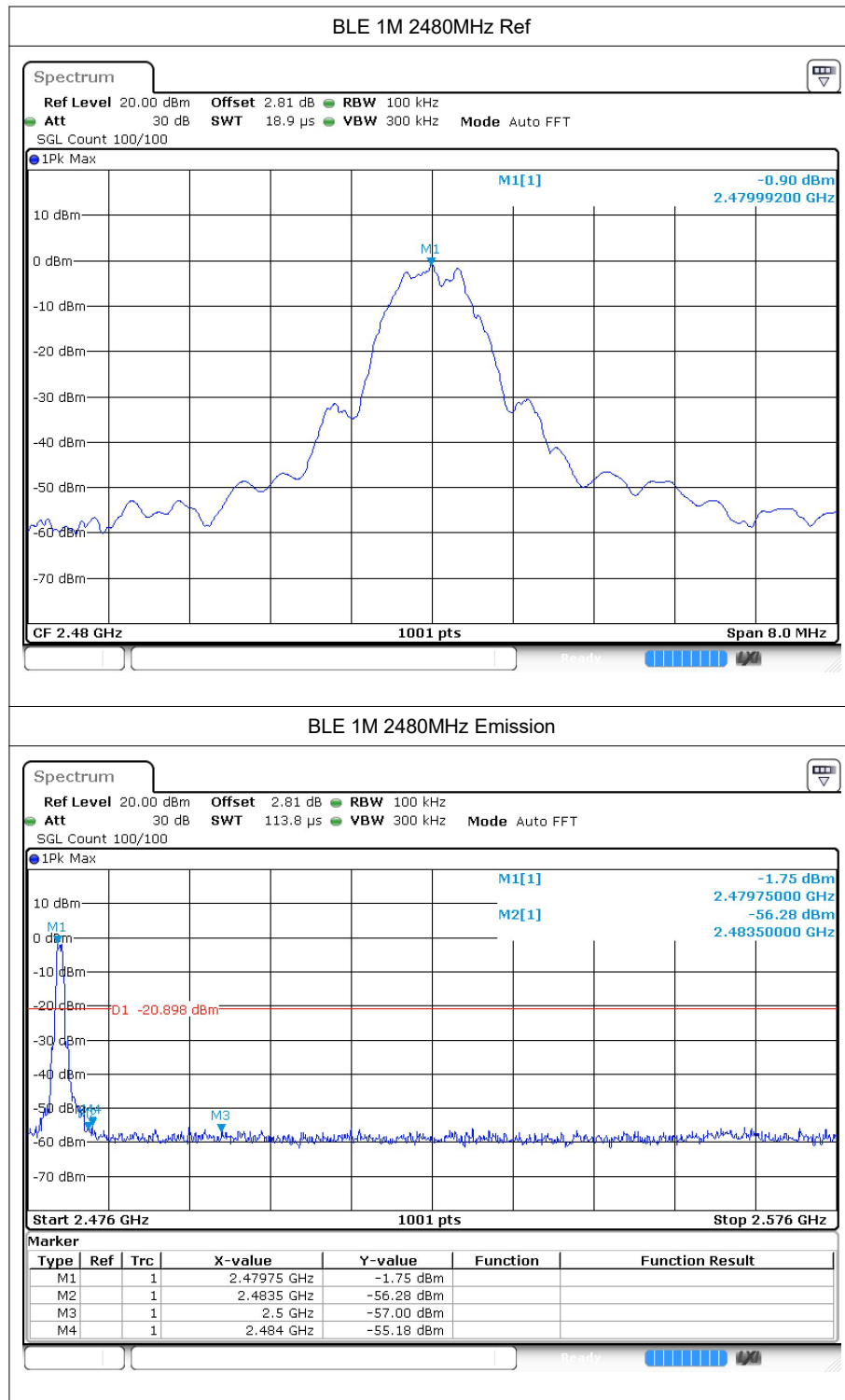
5 Band Edge

5.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-54.72	-20	Pass
BLE 1M	2480	-54.28	-20	Pass

5.2 Test Graphs



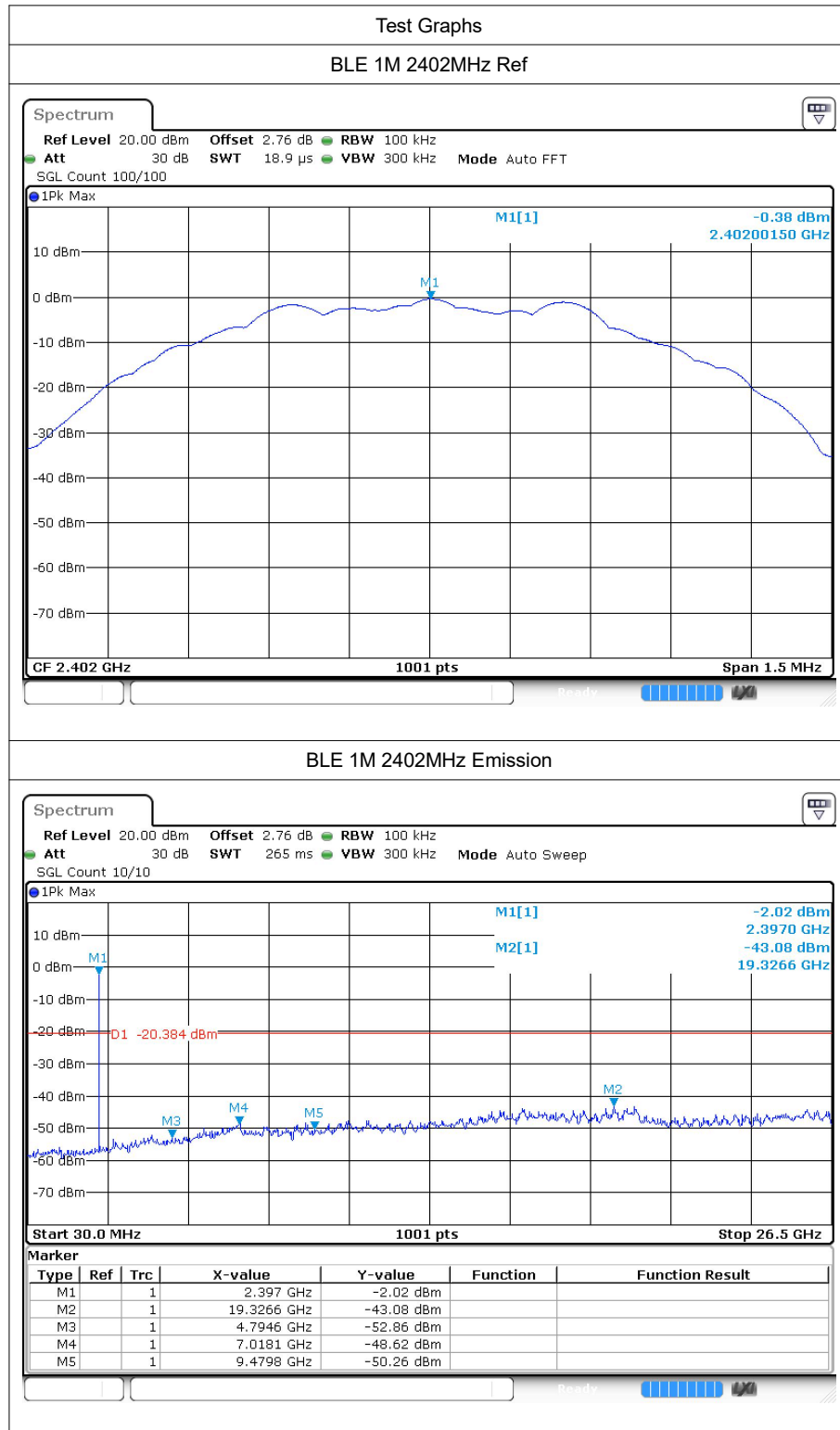


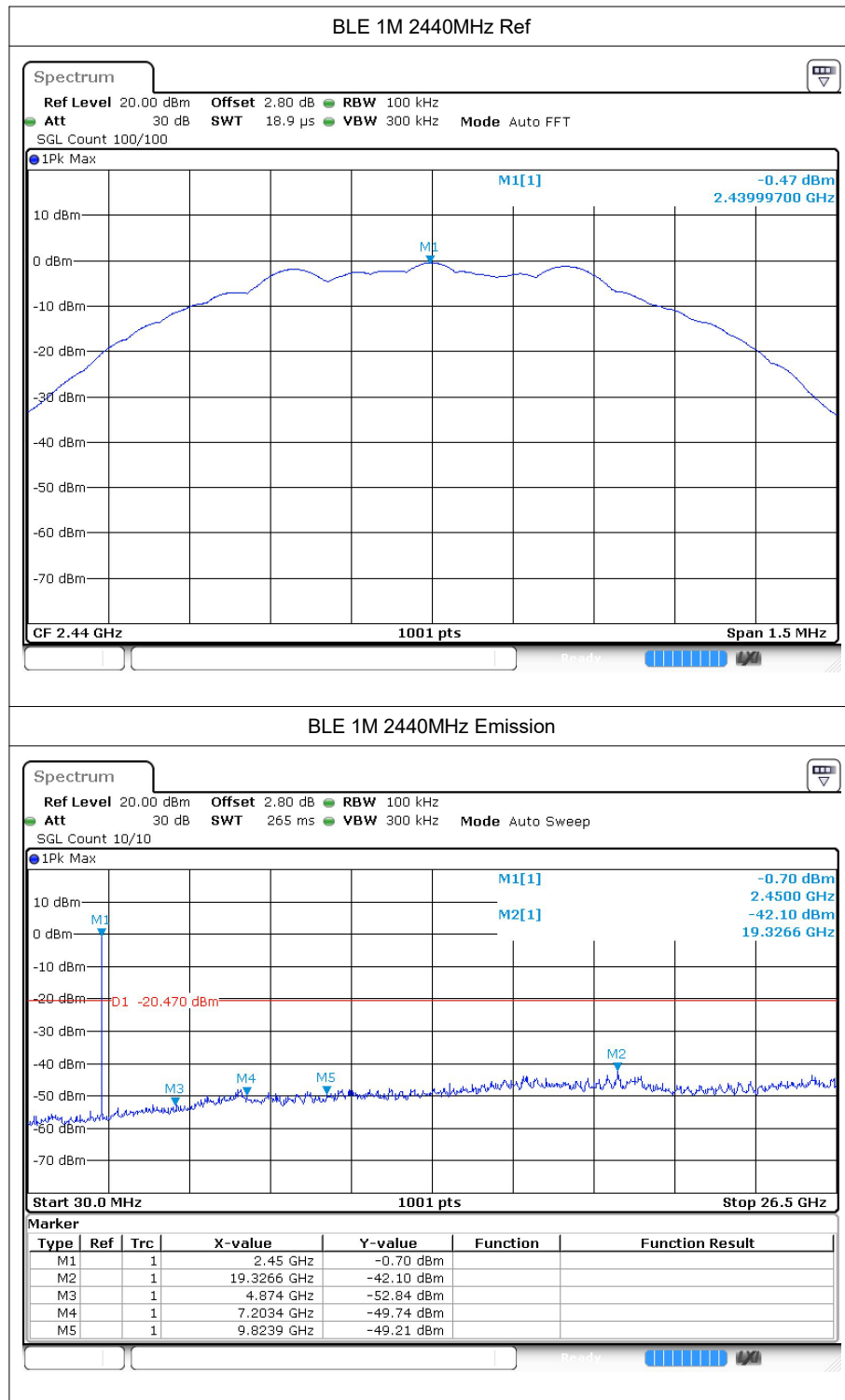
6 Conducted RF Spurious Emission

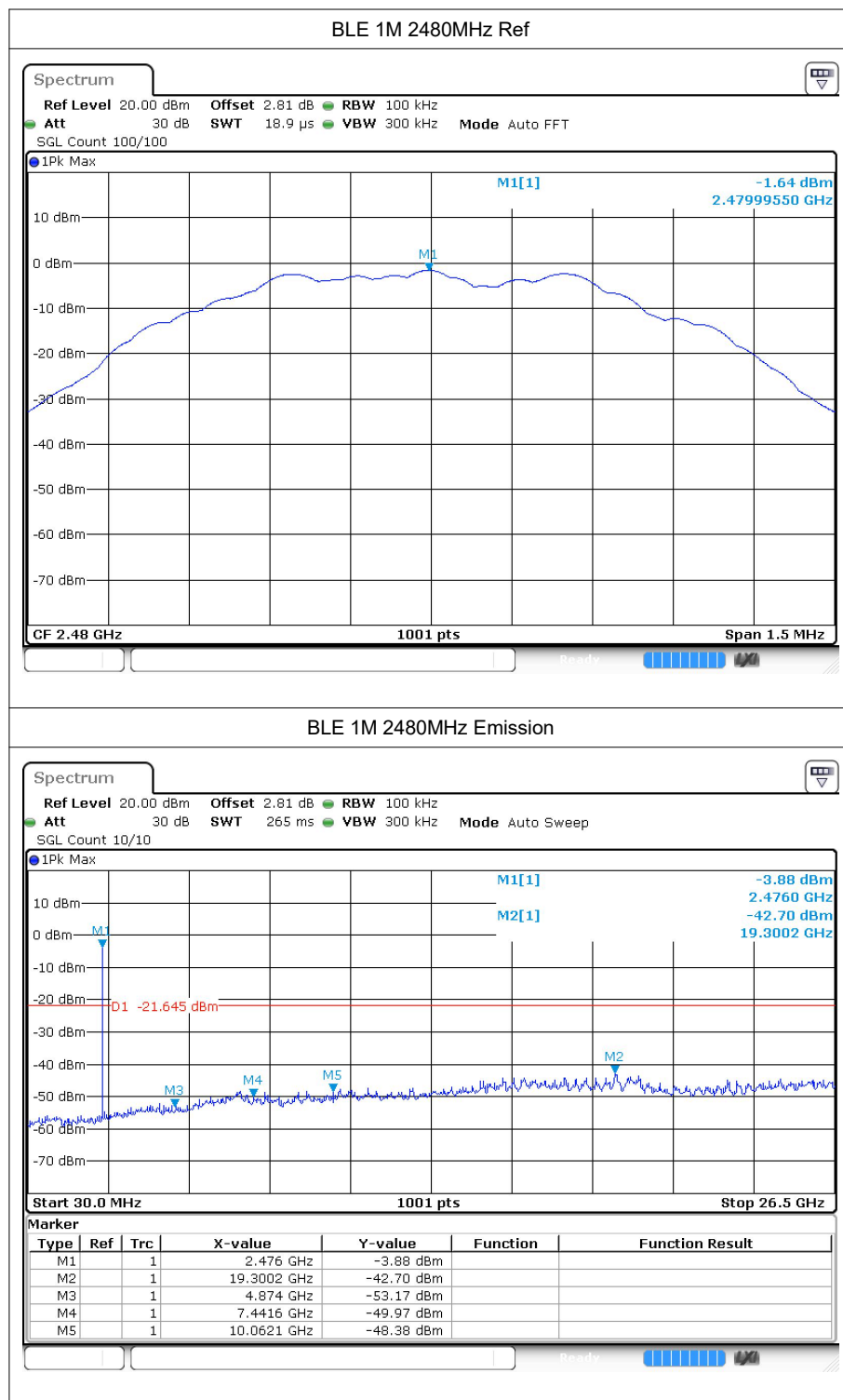
6.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-42.7	-20	Pass
BLE 1M	2440	-41.63	-20	Pass
BLE 1M	2480	-41.06	-20	Pass

6.2 Test Graphs







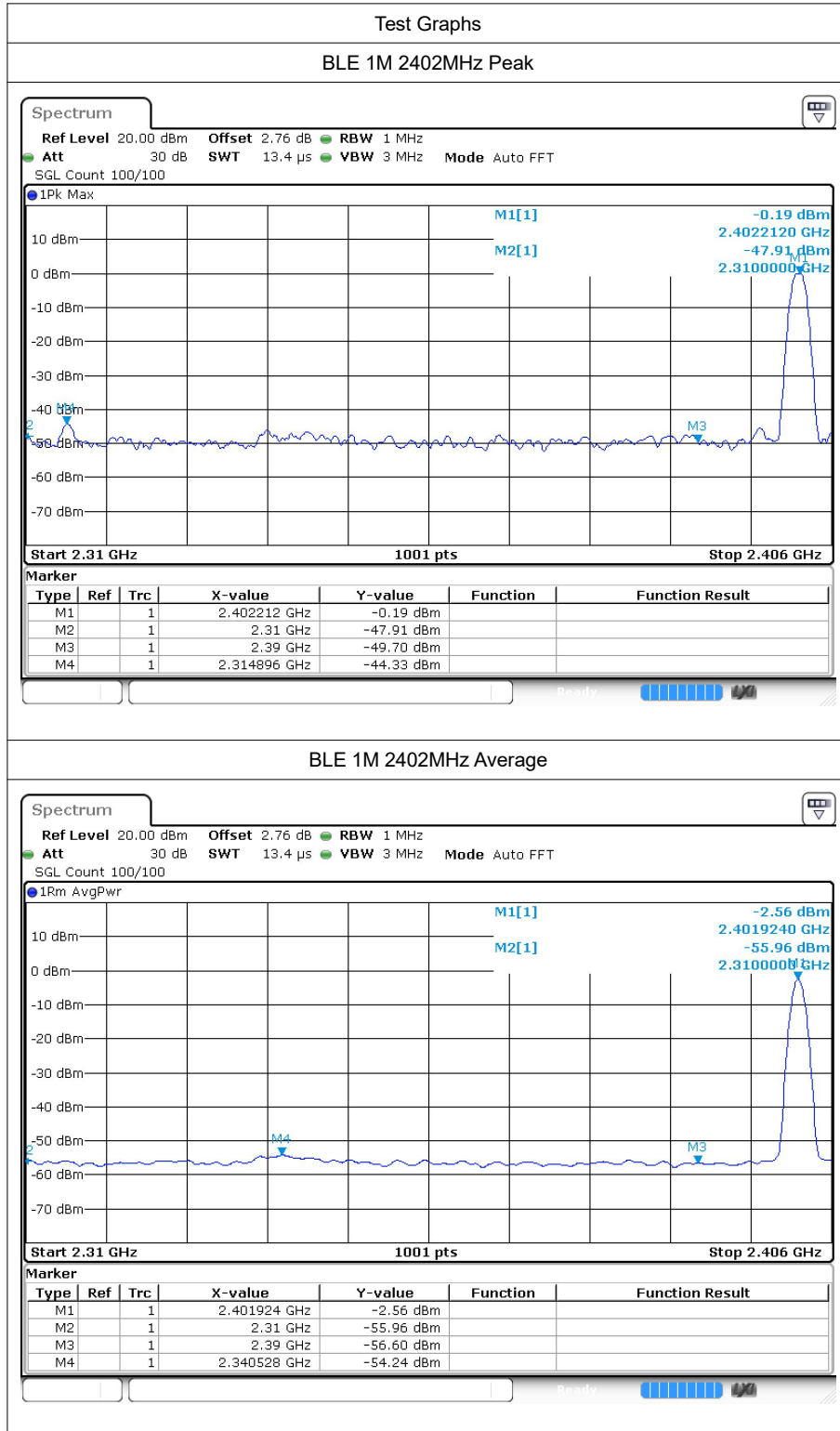


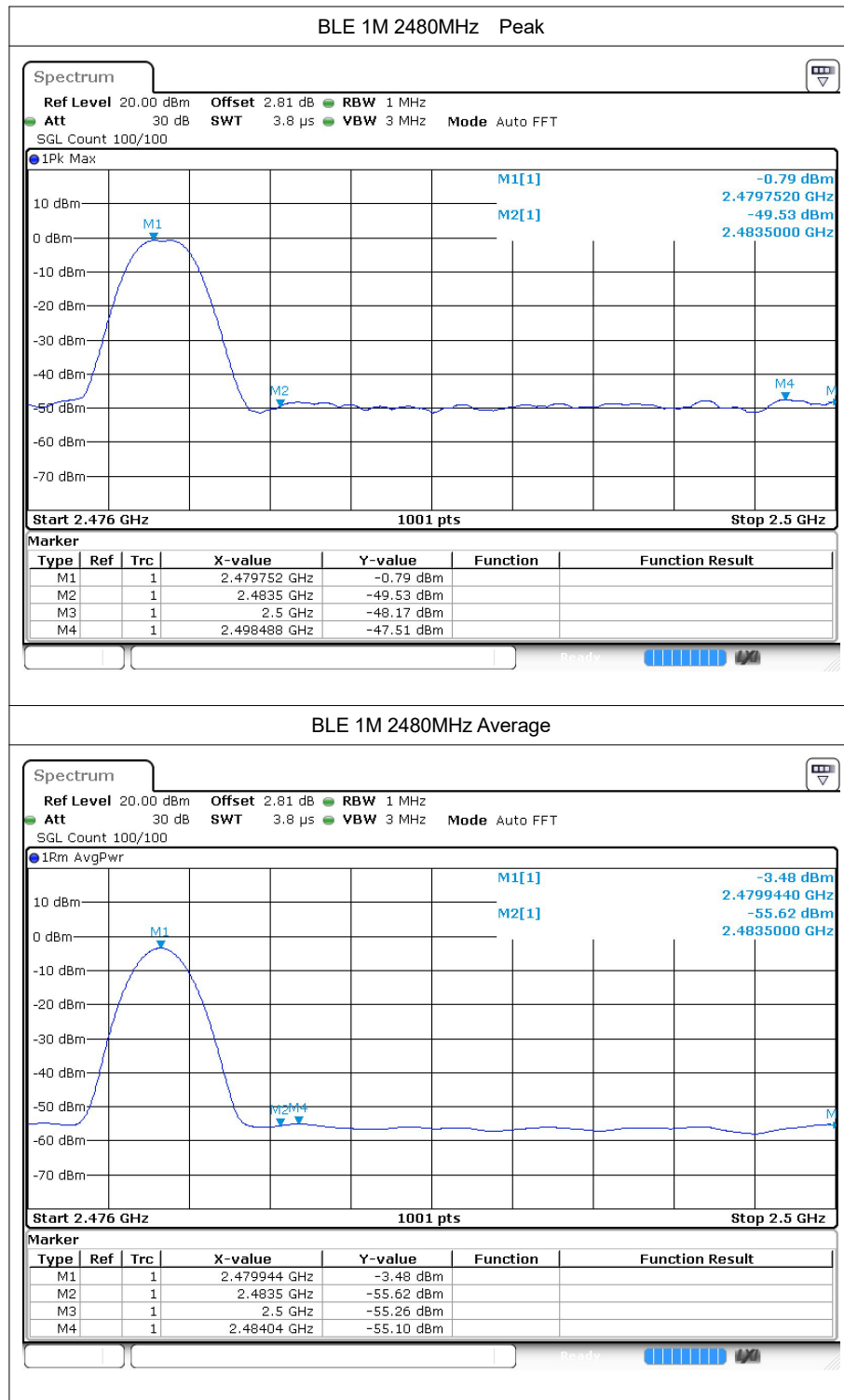
7 Restrict Band

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	-47.91	5.23	-	52.55	Peak	74	Pass
BLE 1M	2402	2310	-55.96	5.23	1.88	46.38	Average	54	Pass
BLE 1M	2402	2314.896	-44.32	5.23	-	56.14	Peak	74	Pass
BLE 1M	2402	2340.528	-54.23	5.23	1.88	48.11	Average	54	Pass
BLE 1M	2402	2390	-49.7	5.23	-	50.76	Peak	74	Pass
BLE 1M	2402	2390	-56.6	5.23	1.88	45.74	Average	54	Pass
BLE 1M	2480	2483.5	-49.53	5.23	-	50.93	Peak	74	Pass
BLE 1M	2480	2483.5	-55.62	5.23	1.88	46.72	Average	54	Pass
BLE 1M	2480	2498.488	-47.5	5.23	-	52.96	Peak	74	Pass
BLE 1M	2480	2484.04	-55.09	5.23	1.88	47.25	Average	54	Pass
BLE 1M	2480	2500	-48.17	5.23	-	52.29	Peak	74	Pass
BLE 1M	2480	2500	-55.26	5.23	1.88	47.08	Average	54	Pass

7.2 Test Graphs





---The End---