



Appendix B

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

Product Name: Smart watch

Trade Mark: N/A

Test Model: H68

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Emiya lin
Supervised by:	Simba Haung



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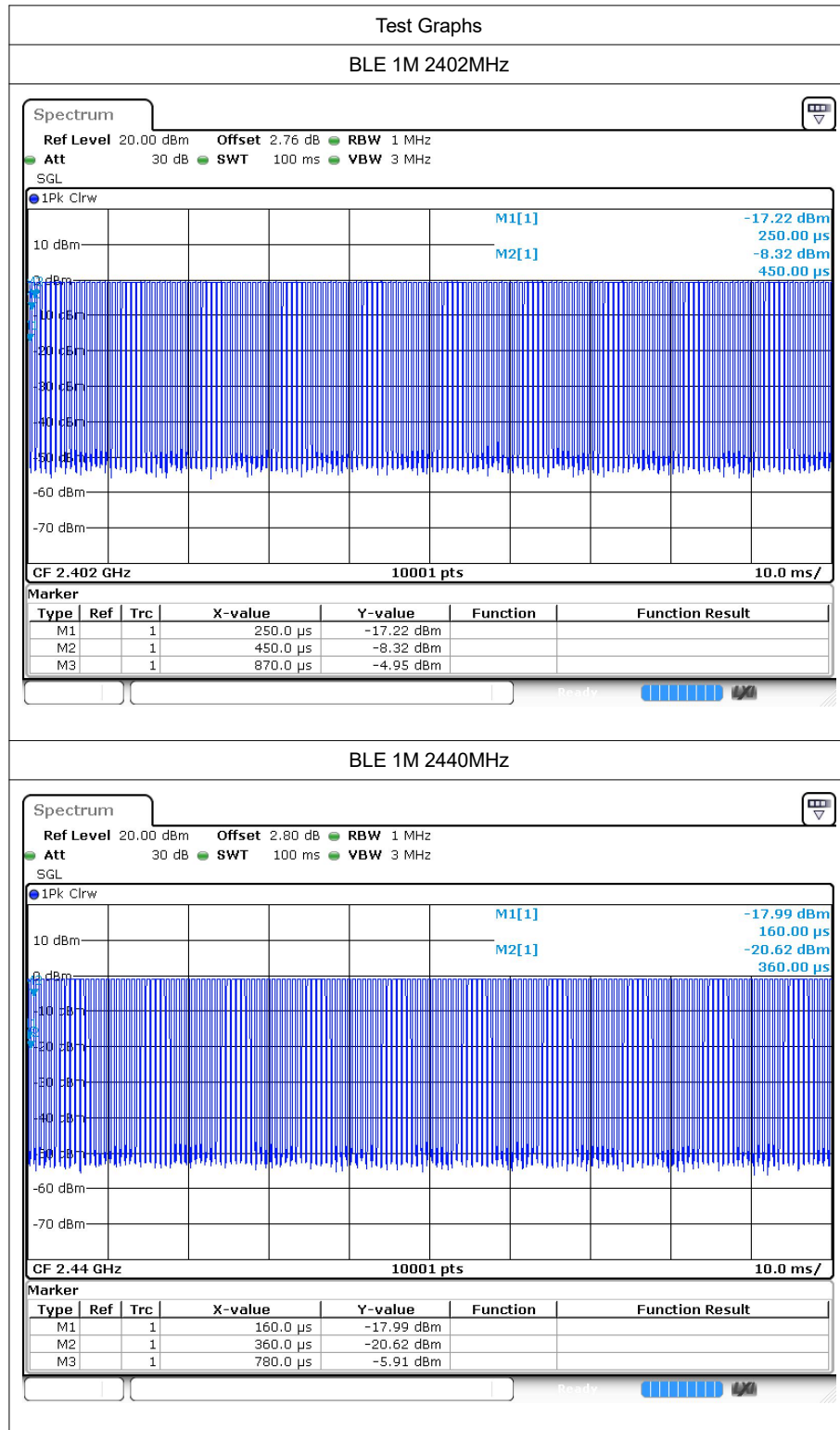


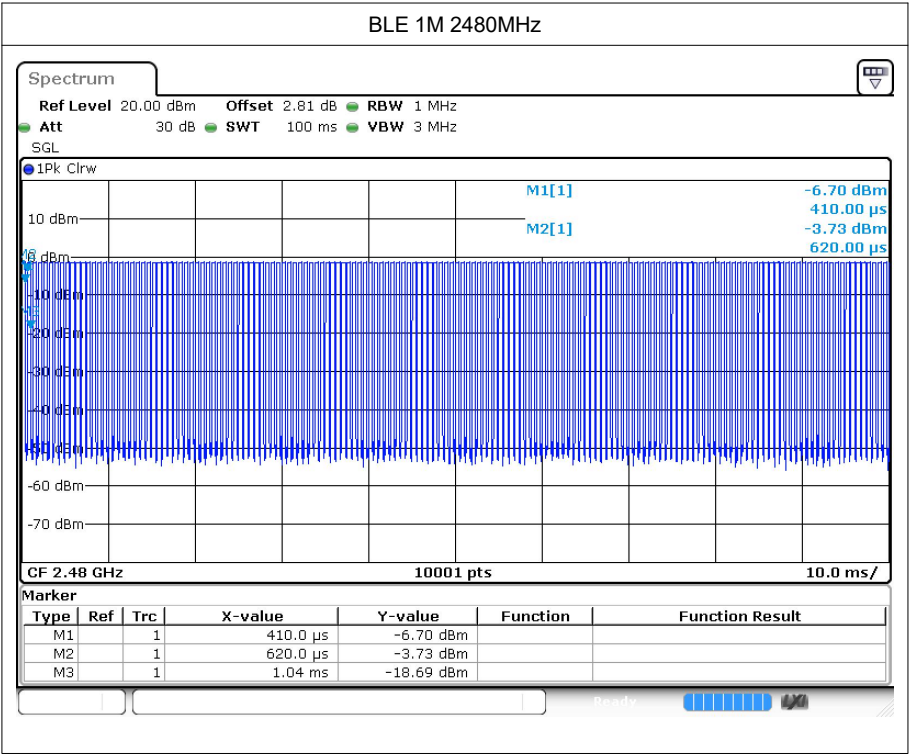
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor	1/T (kHz)
BLE 1M	2402	68.8	1.62	2.38
BLE 1M	2440	68.8	1.62	2.38
BLE 1M	2480	68.8	1.62	2.38

1.2 Test Graphs





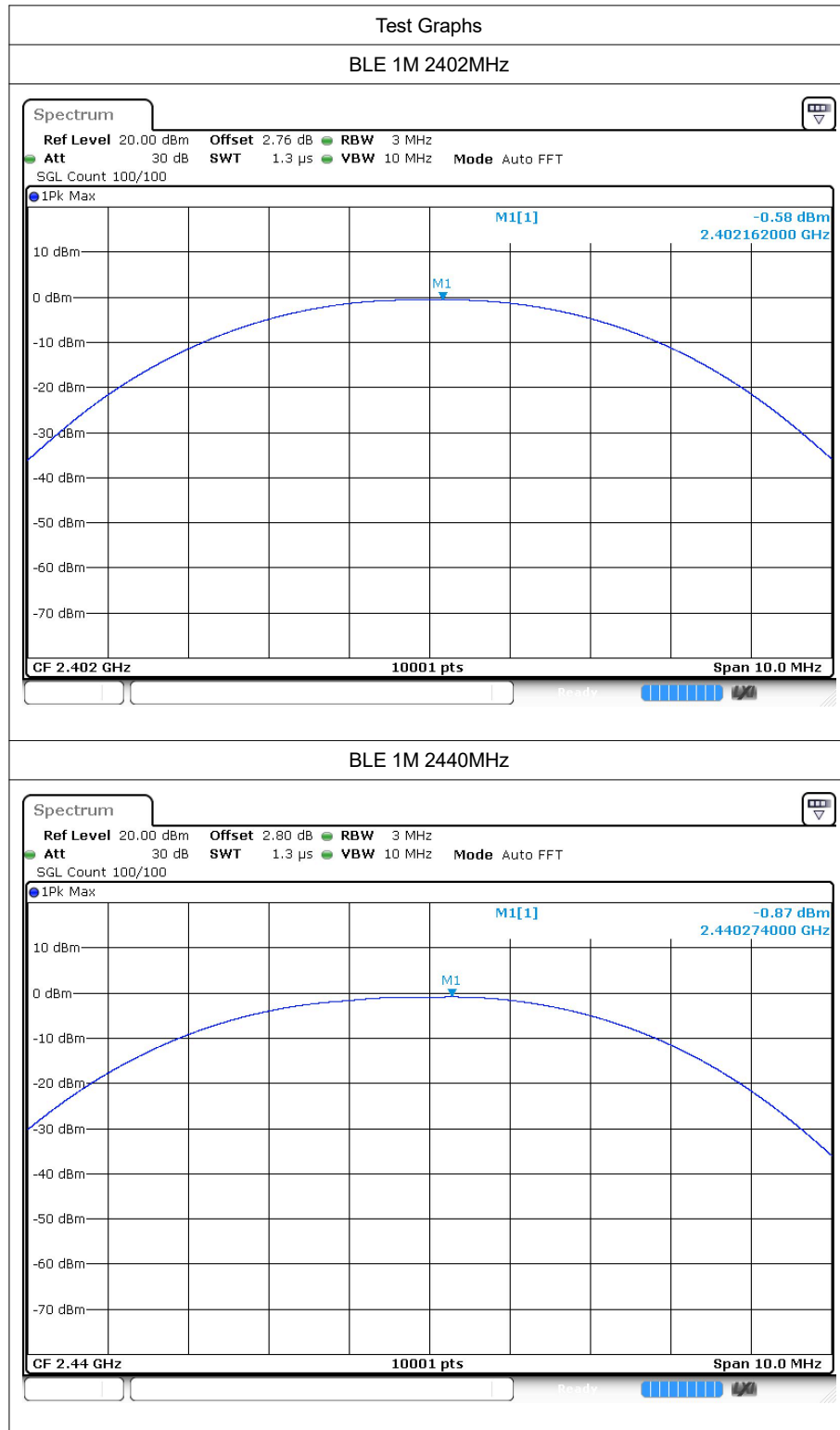


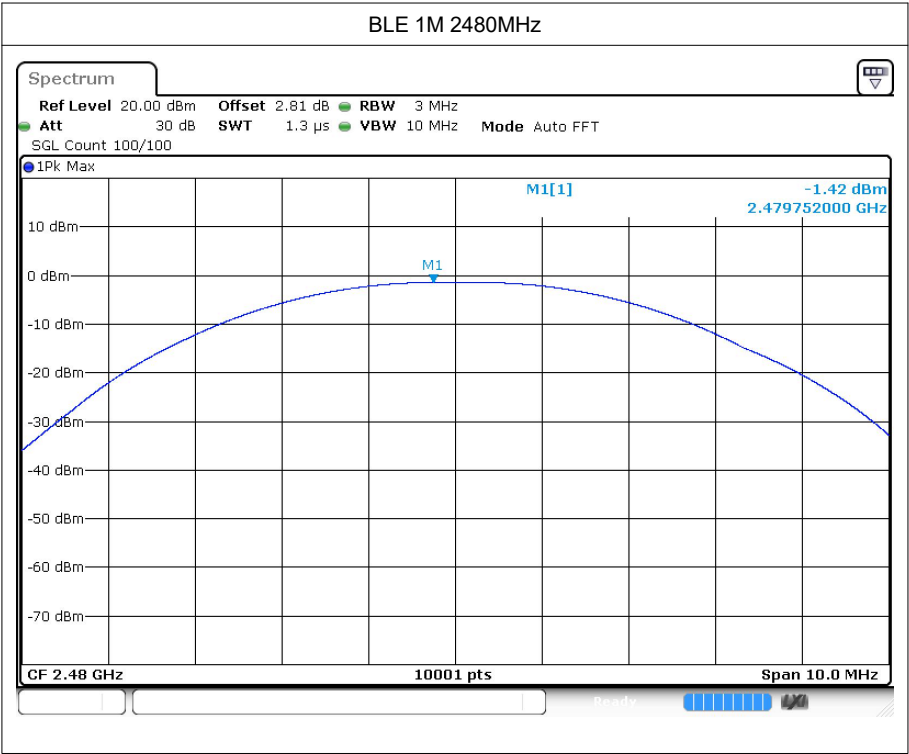
2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	-0.58	30	Pass
BLE 1M	2440	-0.87	30	Pass
BLE 1M	2480	-1.42	30	Pass

2.2 Test Graphs





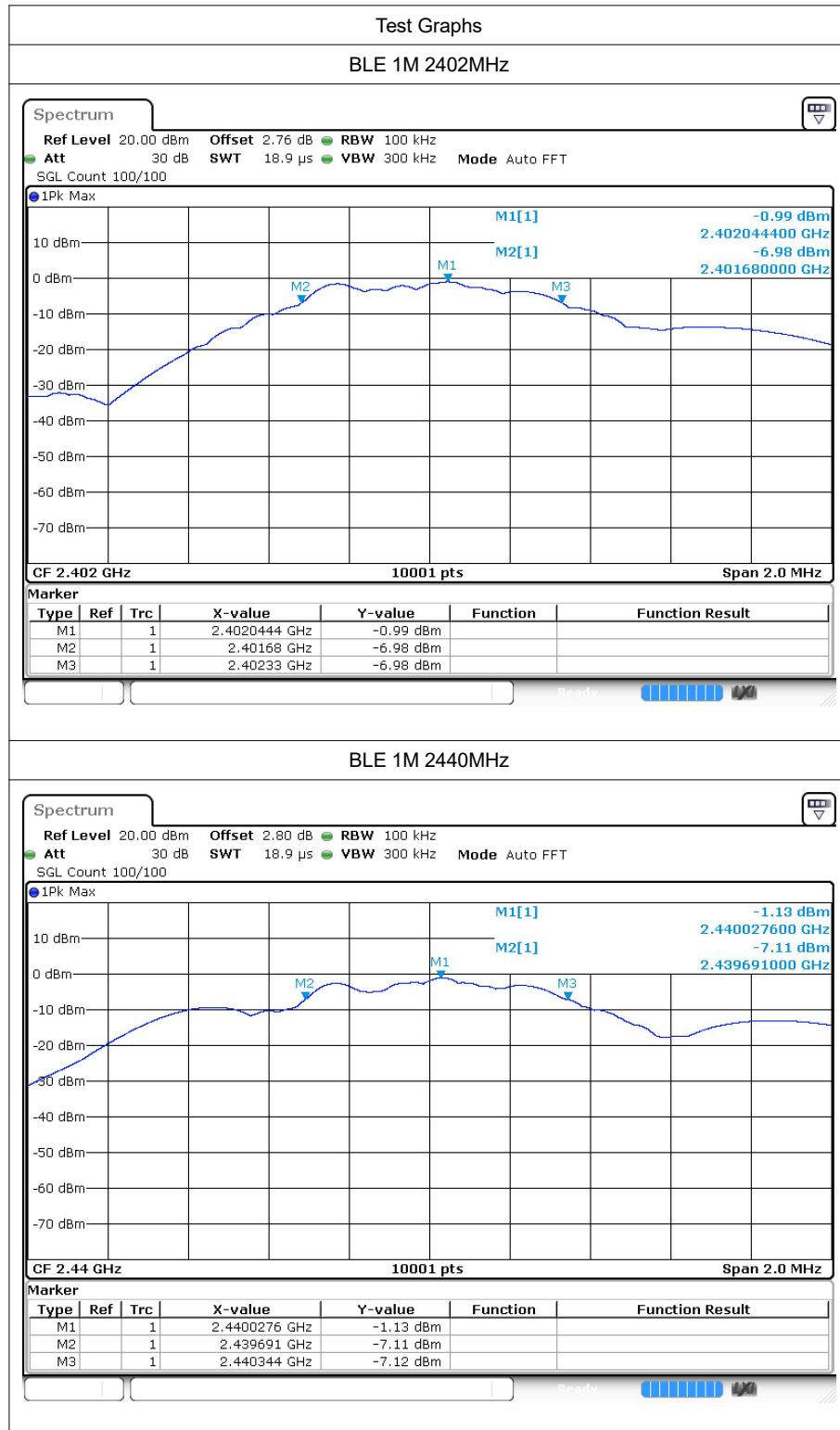


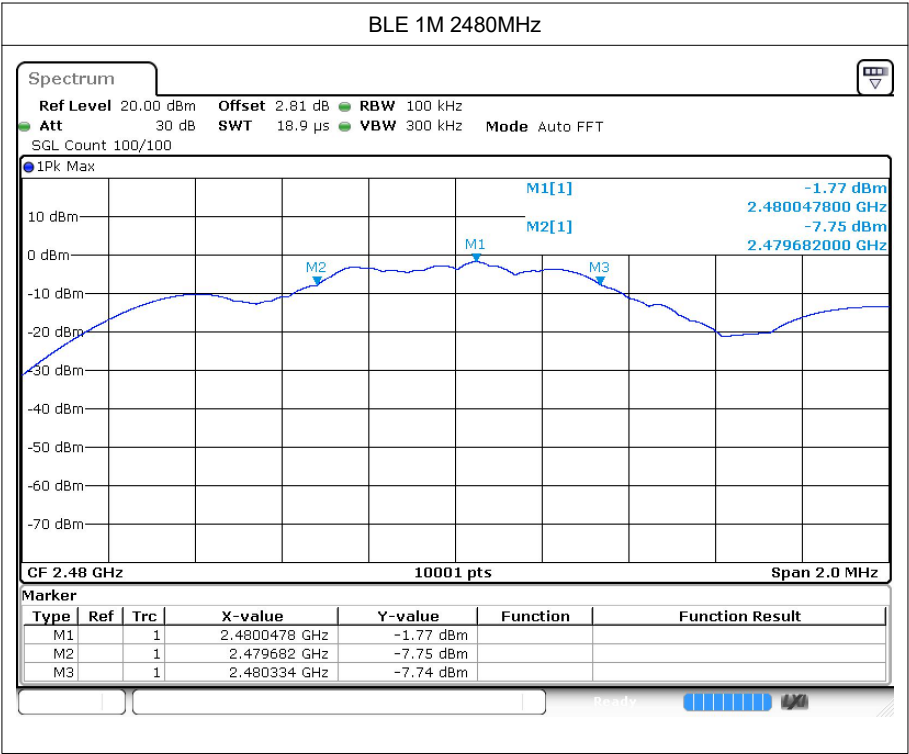
3 -6dB Bandwidth

3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.65	0.5	Pass
BLE 1M	2440	0.653	0.5	Pass
BLE 1M	2480	0.652	0.5	Pass

3.2 Test Graphs





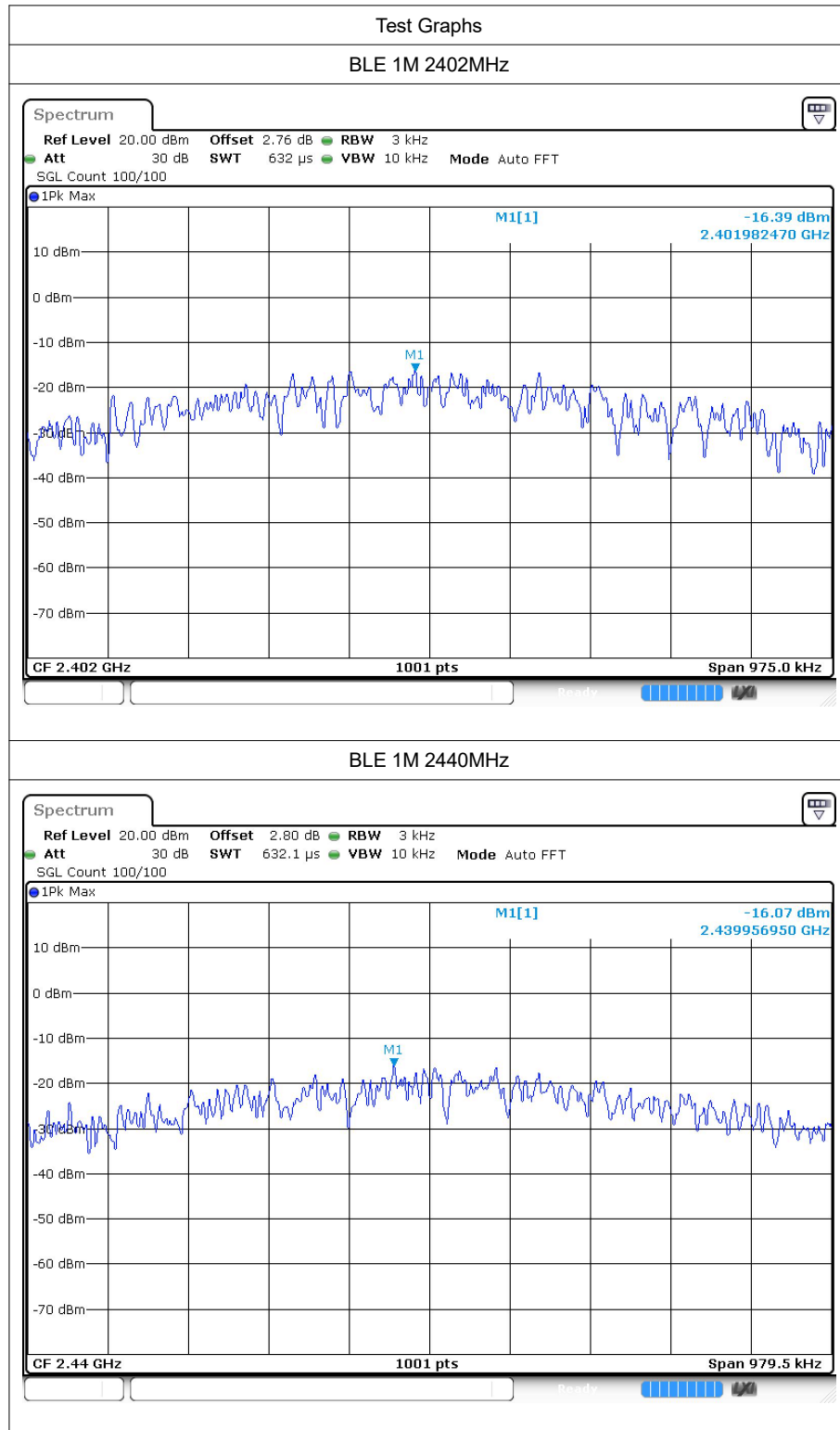


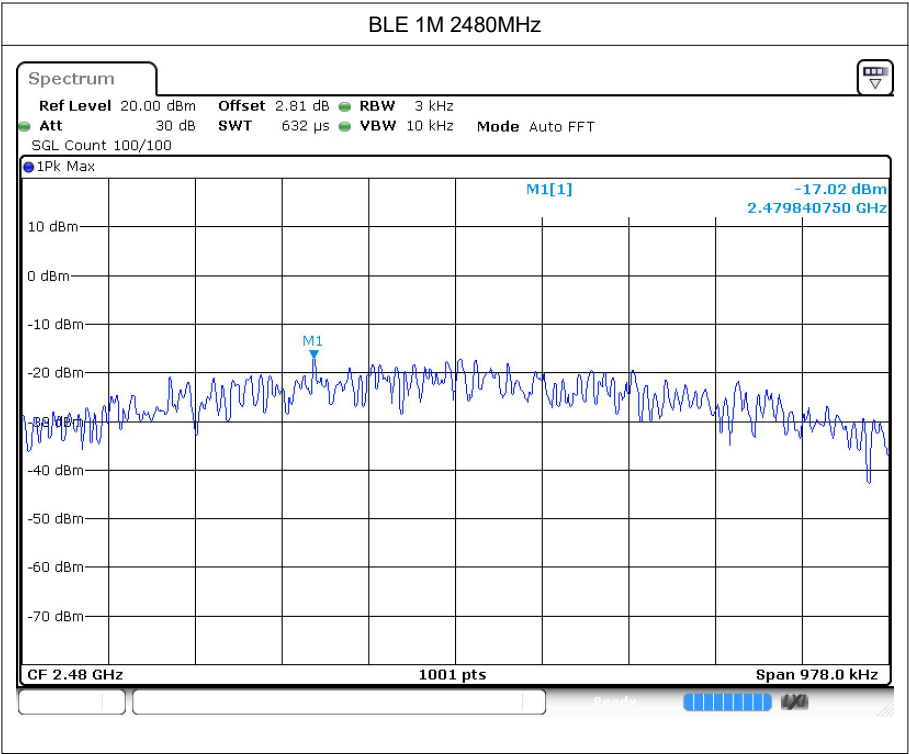
4 Maximum Power Spectral Density Level

4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-16.39	≤ 8	Pass
BLE 1M	2440	-16.07	≤ 8	Pass
BLE 1M	2480	-17.02	≤ 8	Pass

4.2 Test Graphs





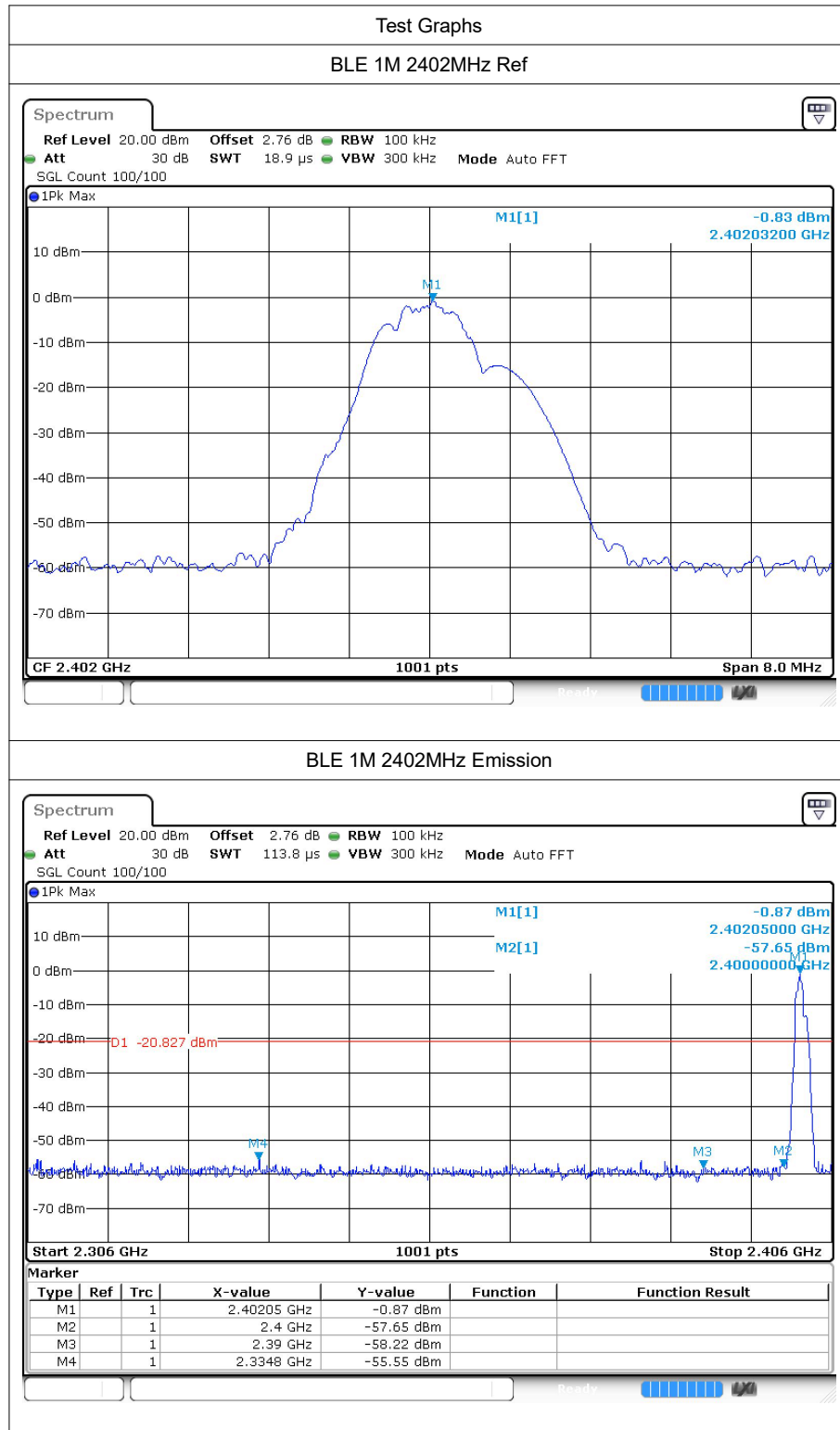


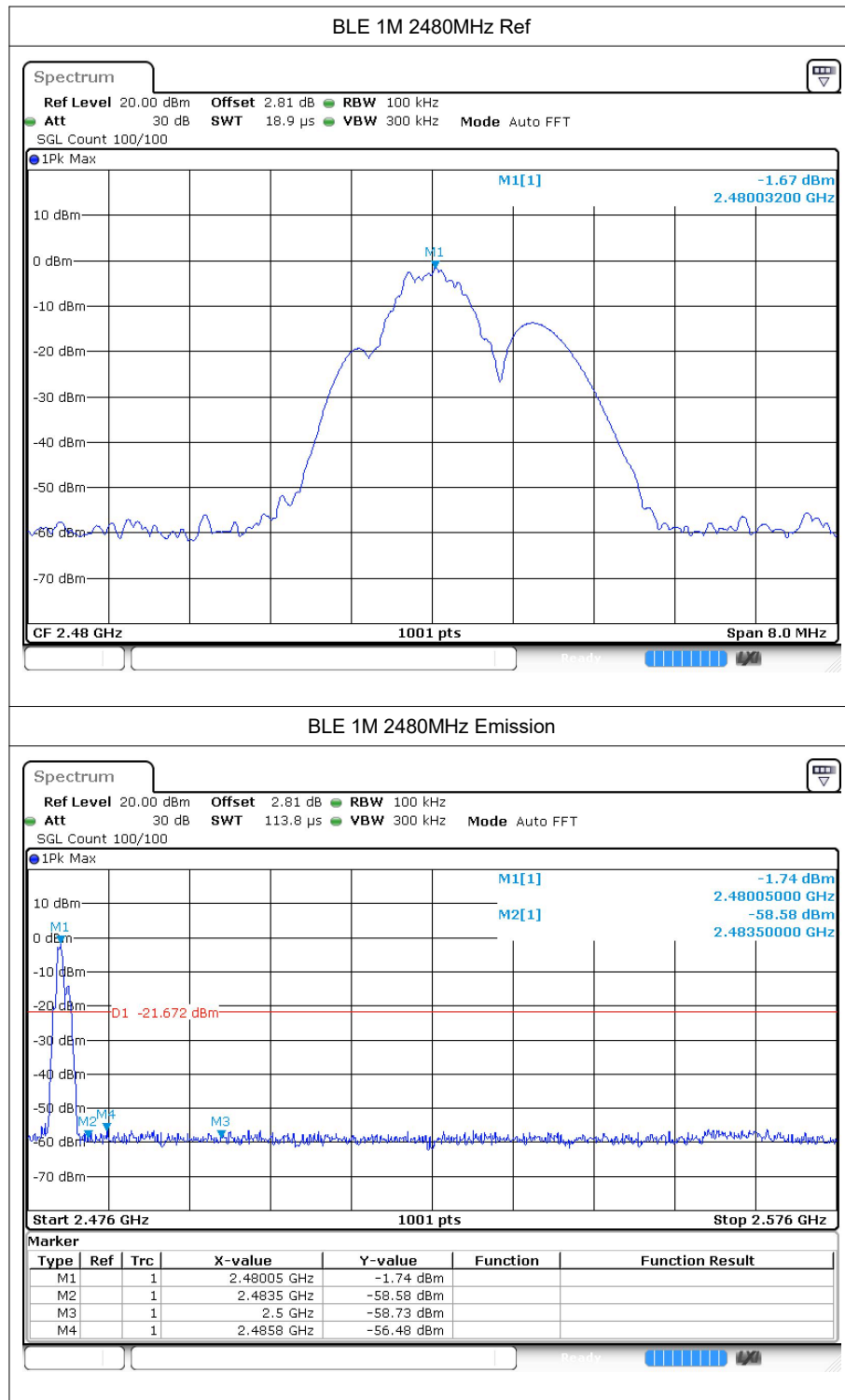
5 Band Edge

5.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-54.71	-20	Pass
BLE 1M	2480	-54.81	-20	Pass

5.2 Test Graphs





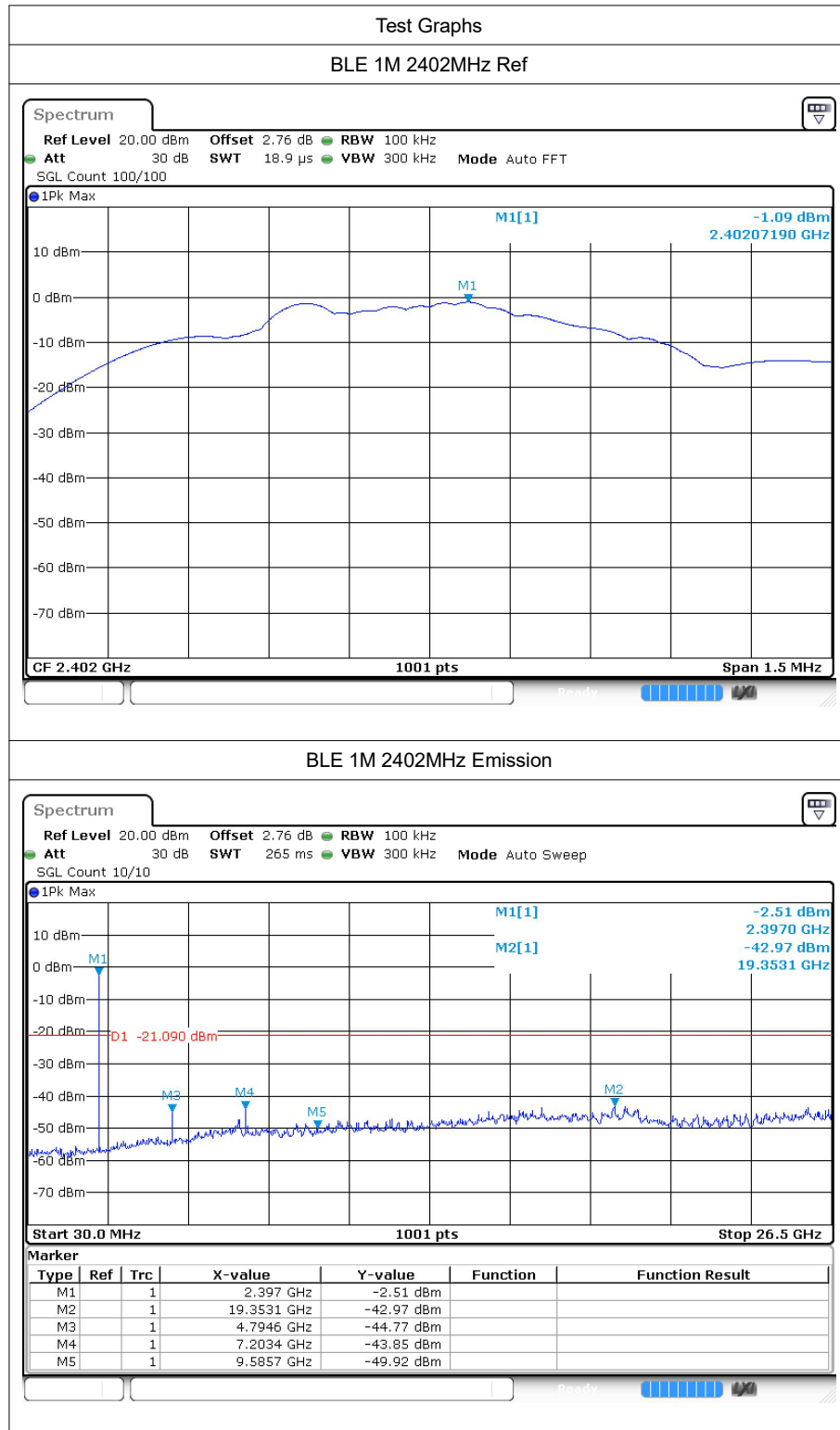


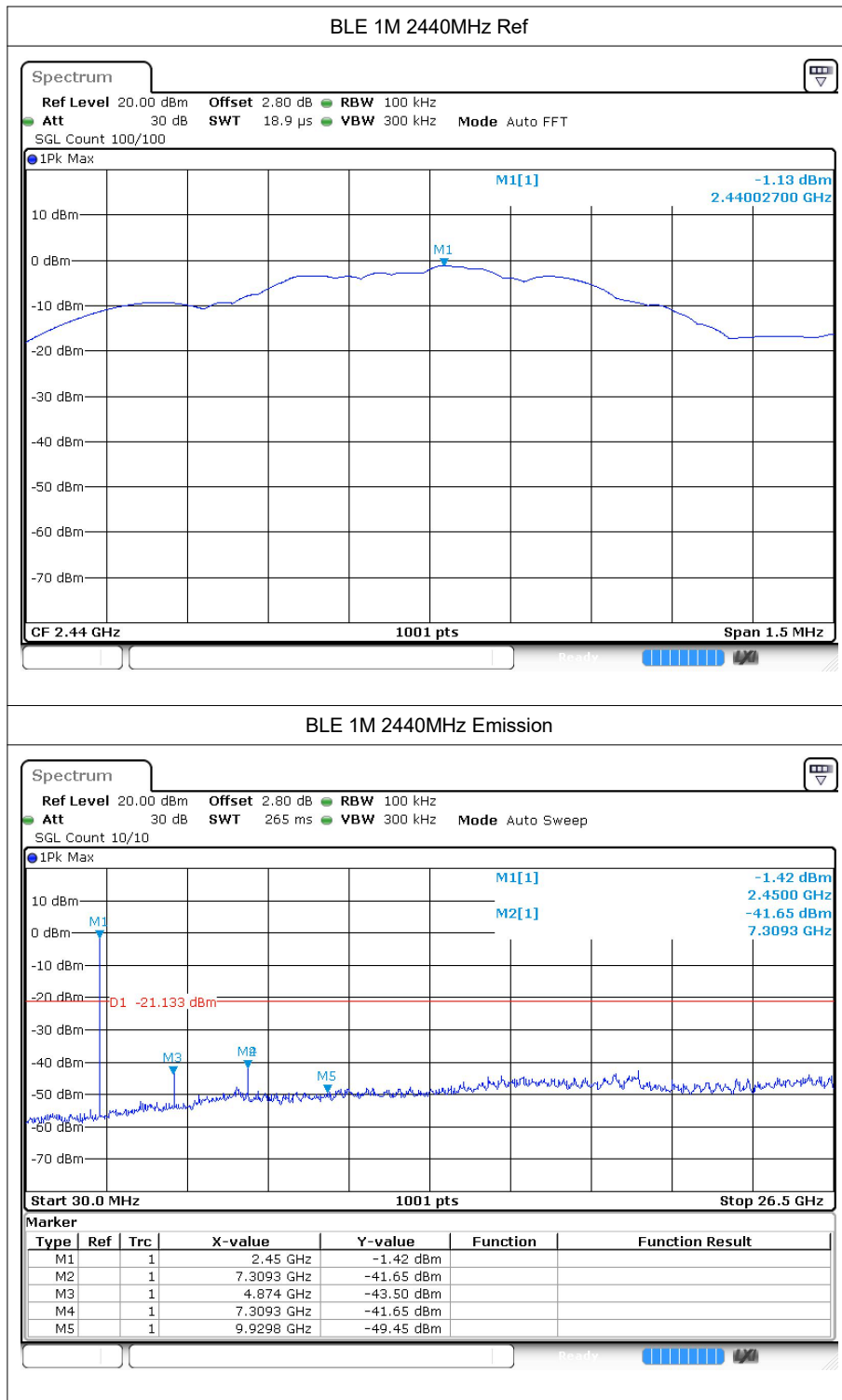
6 Conducted RF Spurious Emission

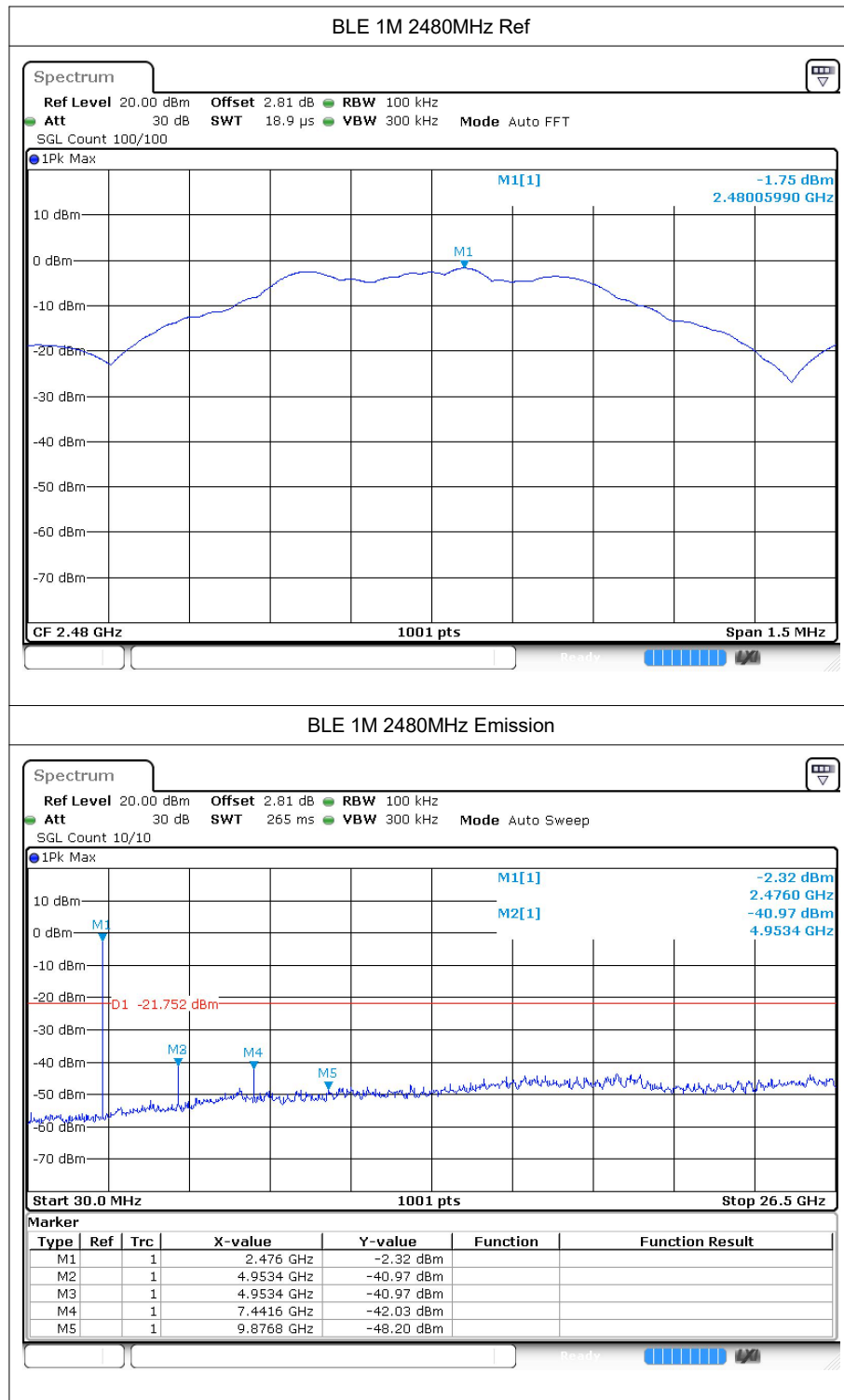
6.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-41.88	-20	Pass
BLE 1M	2440	-40.51	-20	Pass
BLE 1M	2480	-39.22	-20	Pass

6.2 Test Graphs







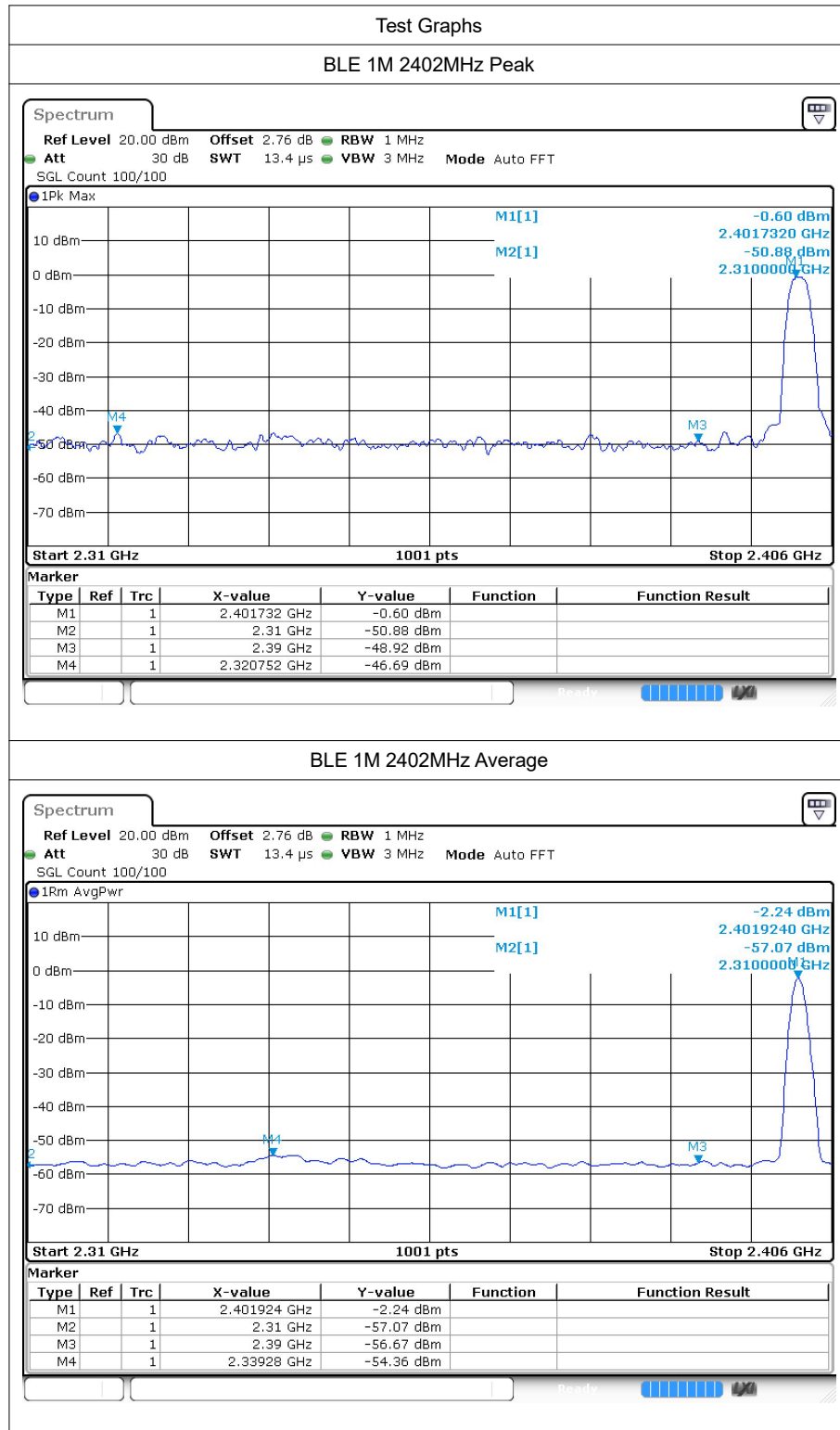


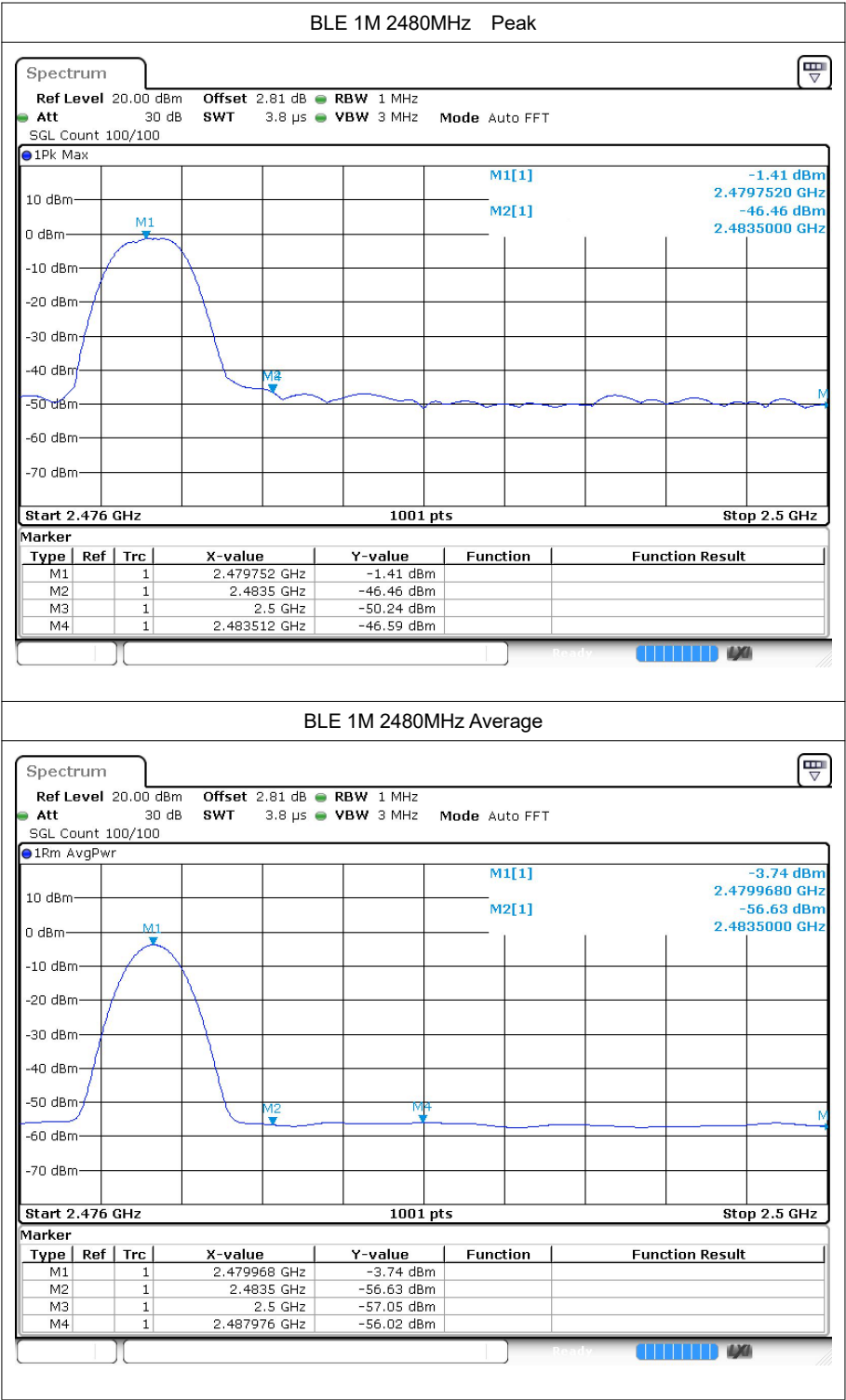
7 Restrict Band

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	-50.88	2	-	46.38	Peak	74	Pass
BLE 1M	2402	2310	-57.07	2	1.62	41.81	Average	54	Pass
BLE 1M	2402	2320.752	-46.68	2	-	50.58	Peak	74	Pass
BLE 1M	2402	2339.28	-54.36	2	1.62	44.52	Average	54	Pass
BLE 1M	2402	2390	-48.92	2	-	48.34	Peak	74	Pass
BLE 1M	2402	2390	-56.67	2	1.62	42.21	Average	54	Pass
BLE 1M	2480	2483.5	-46.46	2	-	50.8	Peak	74	Pass
BLE 1M	2480	2483.5	-56.63	2	1.62	42.25	Average	54	Pass
BLE 1M	2480	2483.512	-46.58	2	-	50.68	Peak	74	Pass
BLE 1M	2480	2487.976	-56.01	2	1.62	42.87	Average	54	Pass
BLE 1M	2480	2500	-50.24	2	-	47.02	Peak	74	Pass
BLE 1M	2480	2500	-57.05	2	1.62	41.83	Average	54	Pass

7.2 Test Graphs





---The End---