



Appendix B

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

Product Name: Decorative light

Trade Mark: N/A

Test Model: SJDHAZ-030-006W2

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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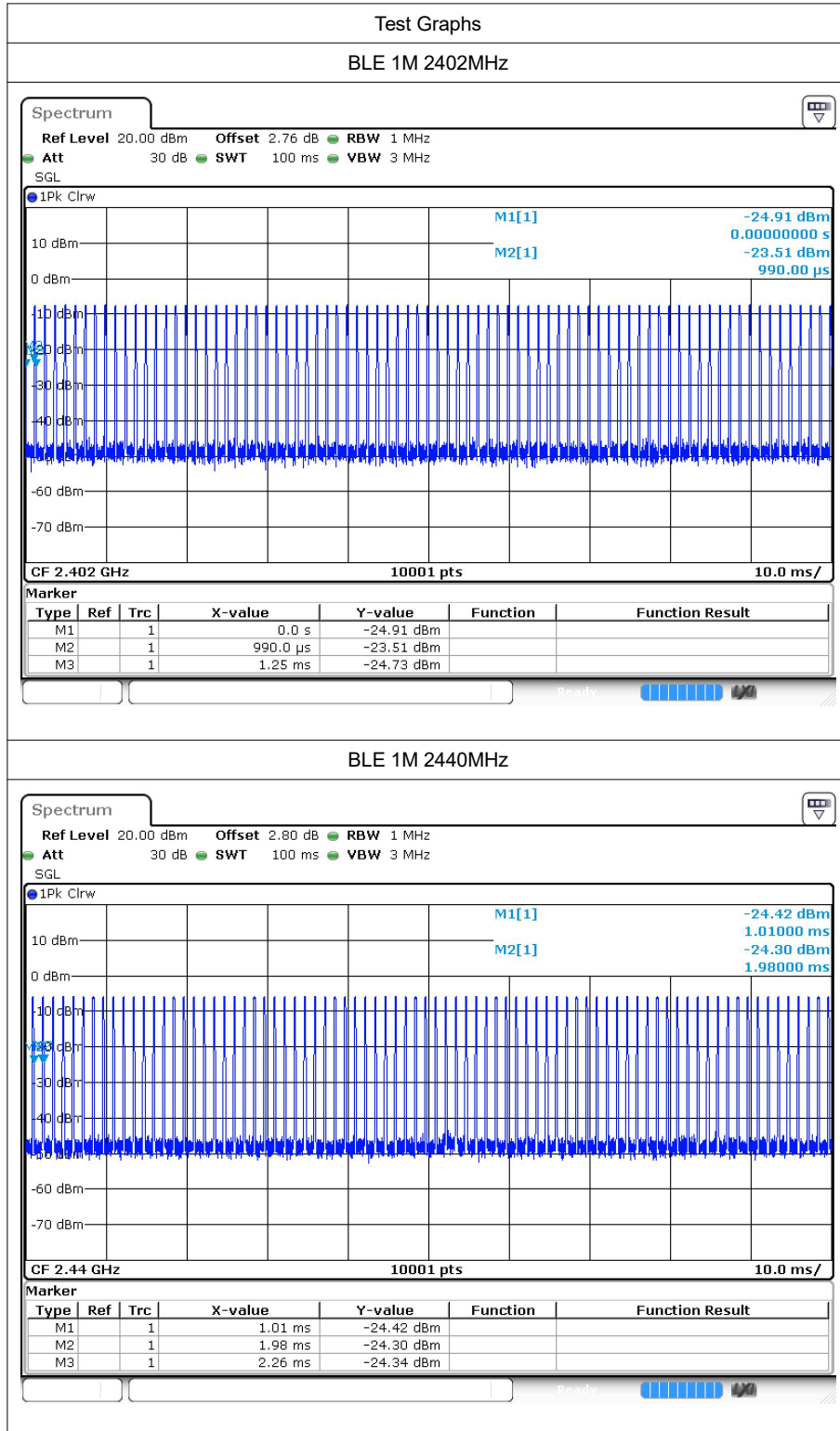


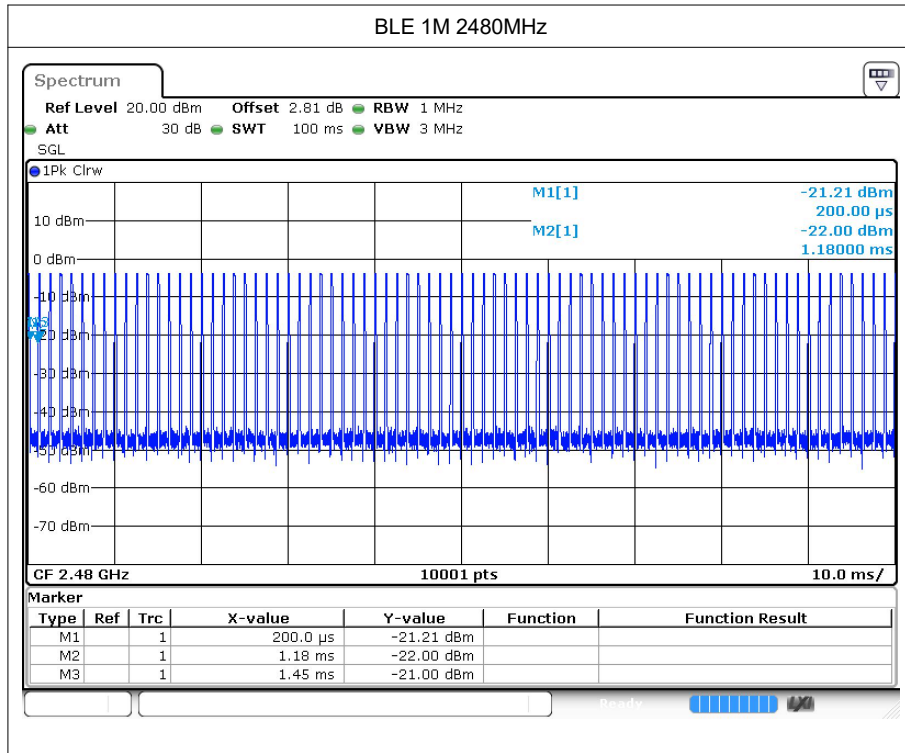
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor	1/T (kHz)
BLE 1M	2402	21.56	6.66	3.85
BLE 1M	2440	23.18	6.35	3.57
BLE 1M	2480	22.71	6.44	3.7

1.2 Test Graphs





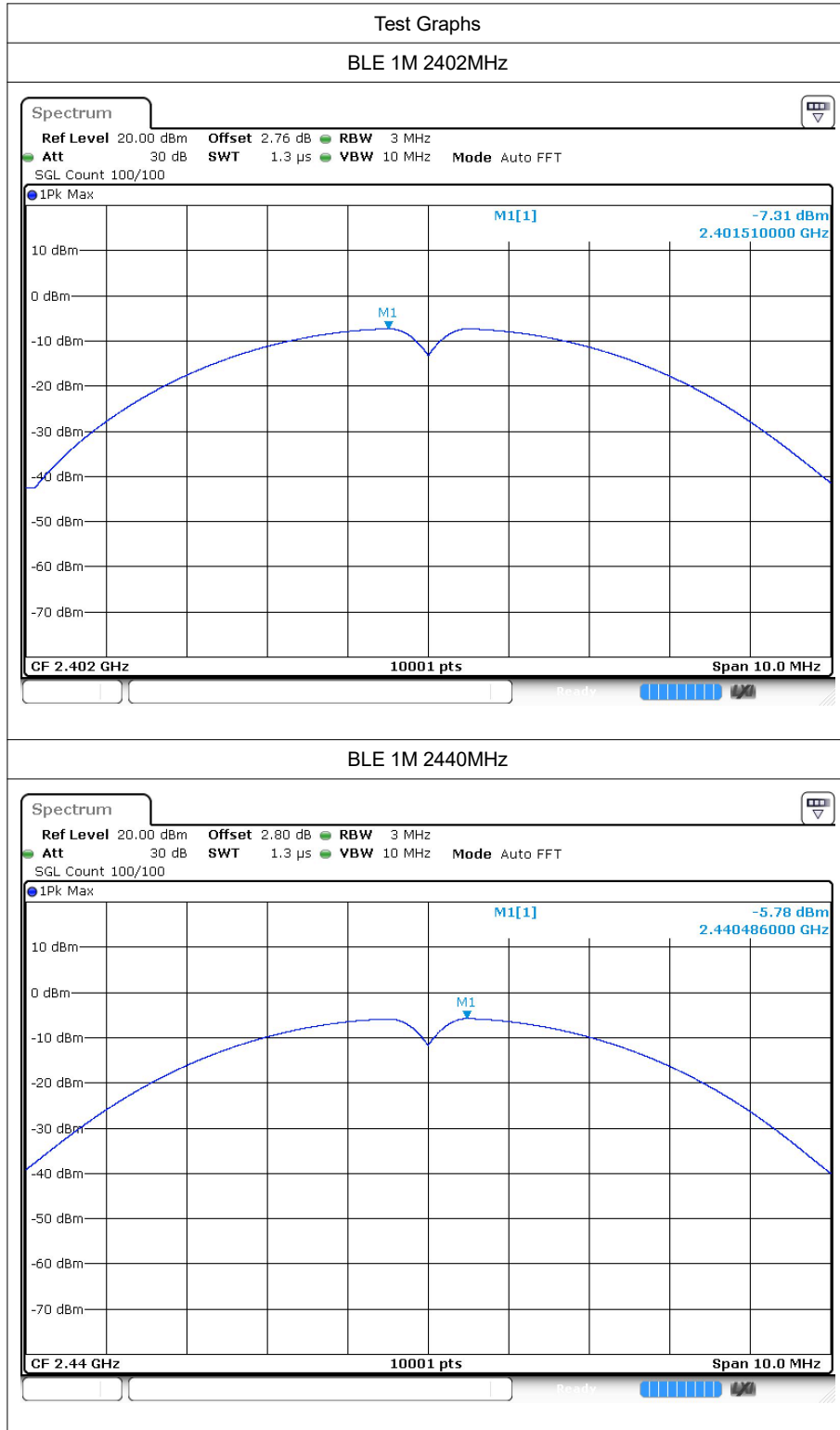


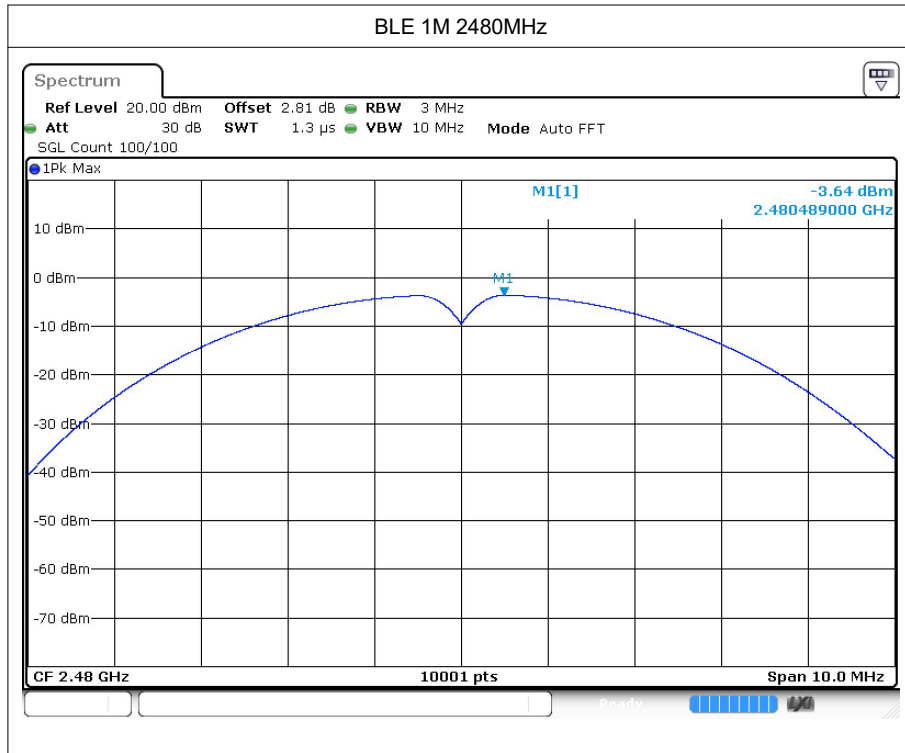
2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	-7.31	30	Pass
BLE 1M	2440	-5.78	30	Pass
BLE 1M	2480	-3.64	30	Pass

2.2 Test Graphs





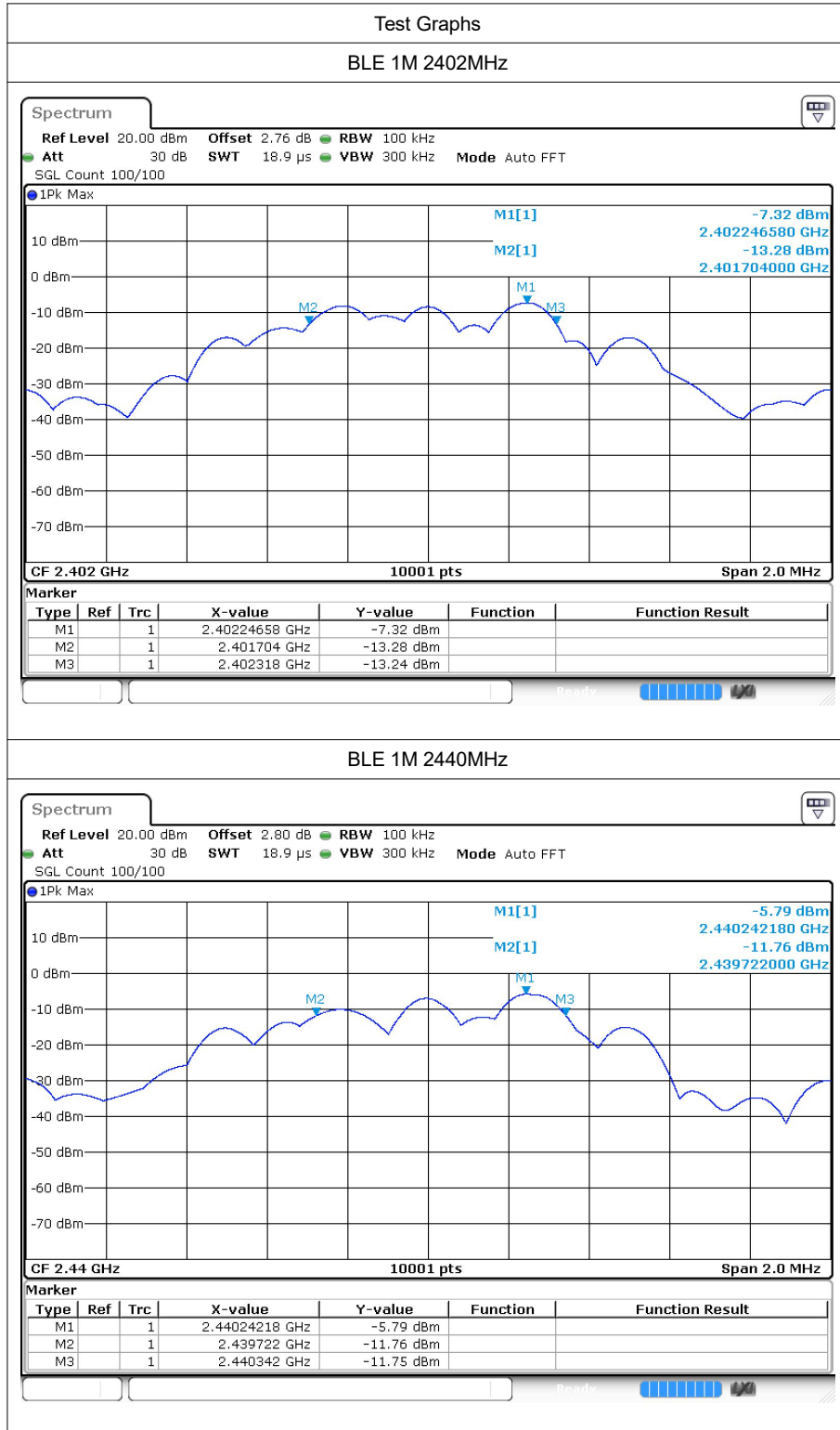


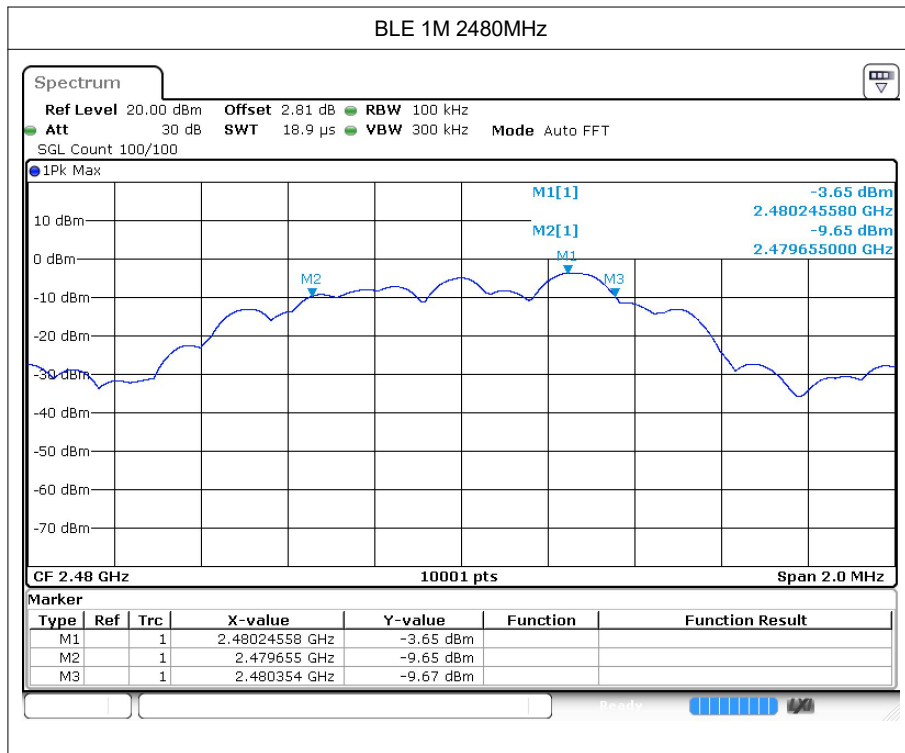
3 -6dB Bandwidth

3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.615	0.5	Pass
BLE 1M	2440	0.621	0.5	Pass
BLE 1M	2480	0.699	0.5	Pass

3.2 Test Graphs



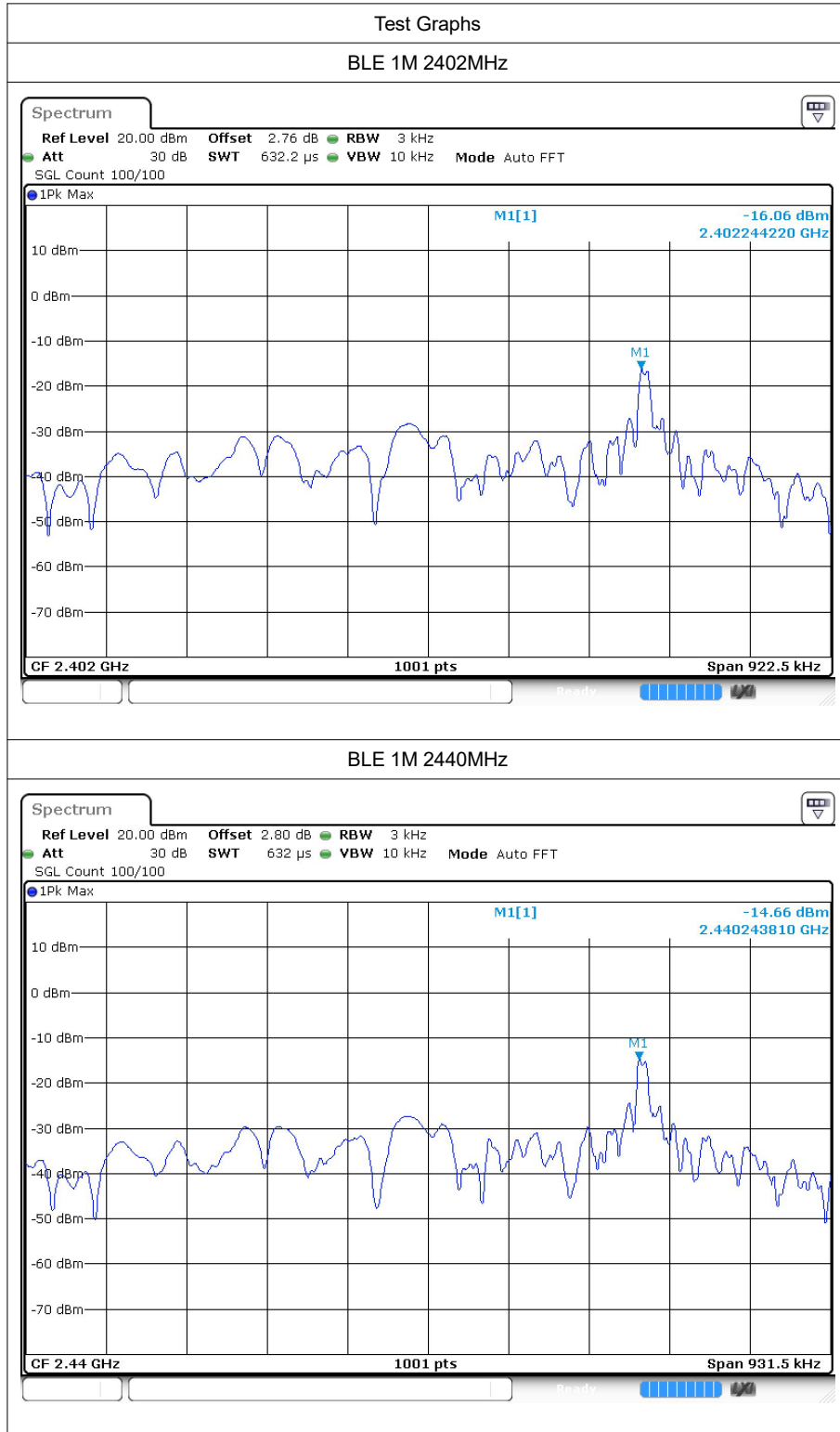


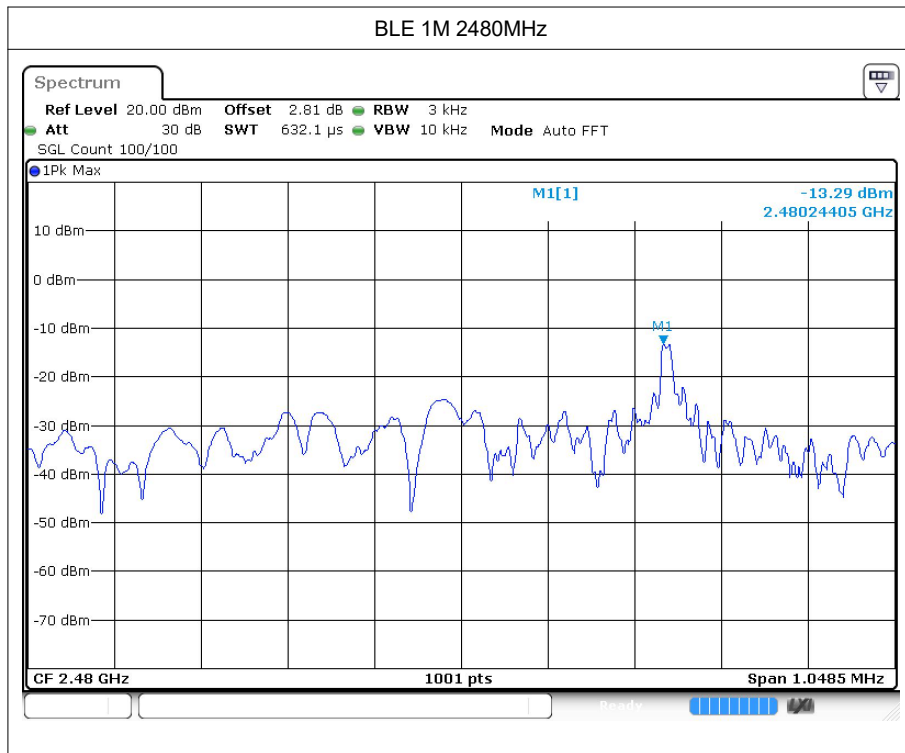
4 Maximum Power Spectral Density Level

4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-16.06	≤ 8	Pass
BLE 1M	2440	-14.66	≤ 8	Pass
BLE 1M	2480	-13.29	≤ 8	Pass

4.2 Test Graphs





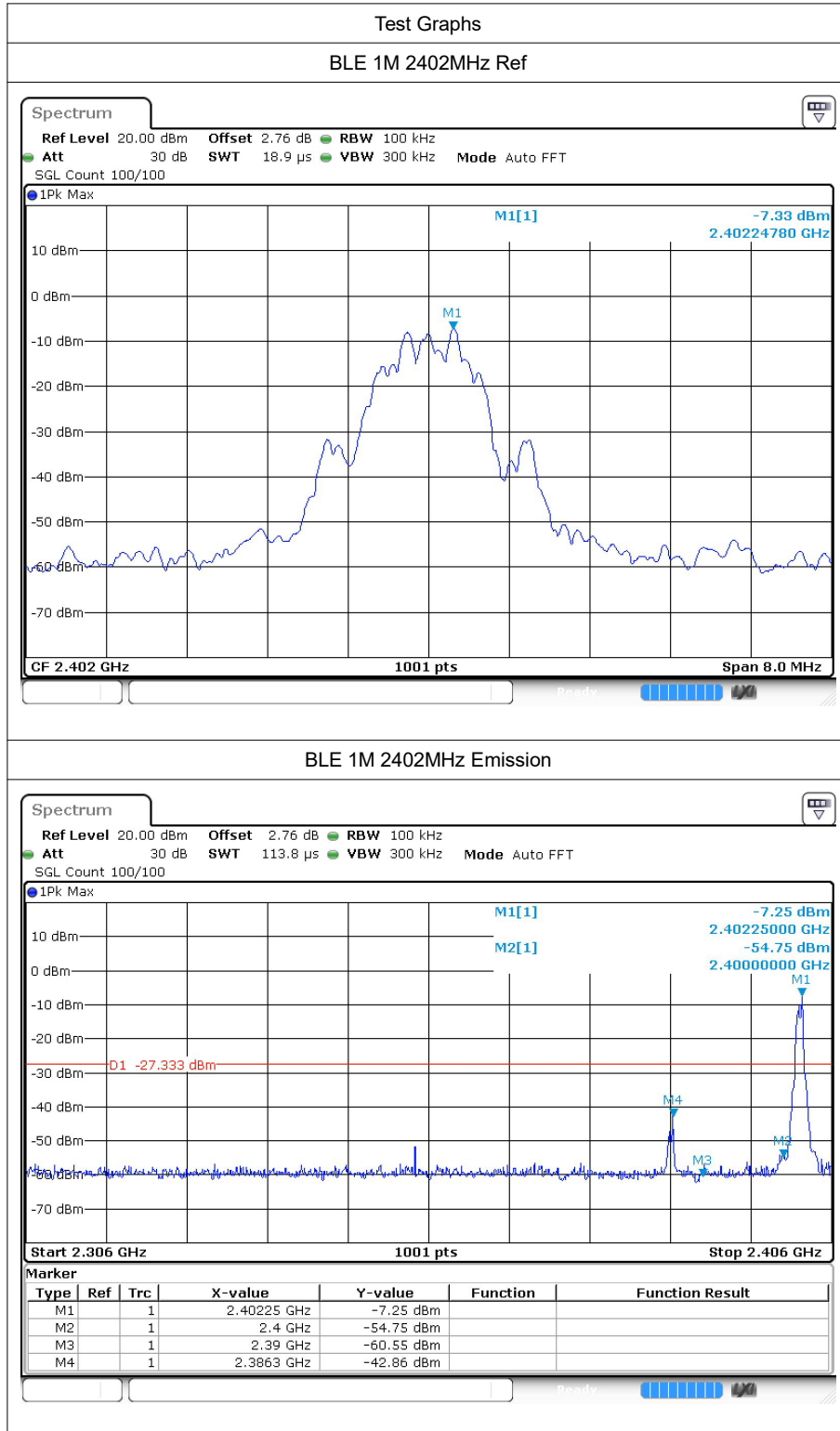


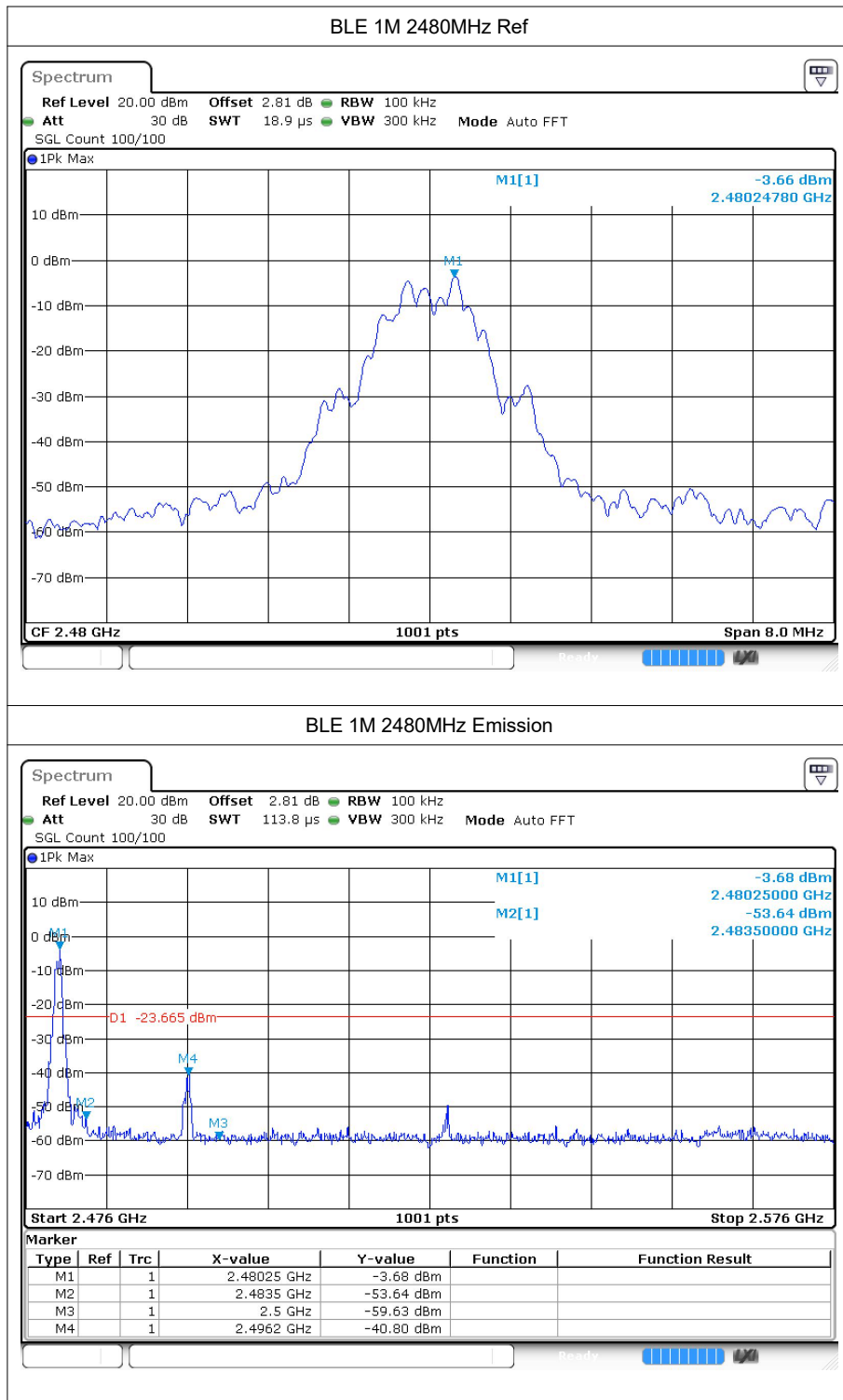
5 Band Edge

5.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-35.52	-20	Pass
BLE 1M	2480	-37.14	-20	Pass

5.2 Test Graphs





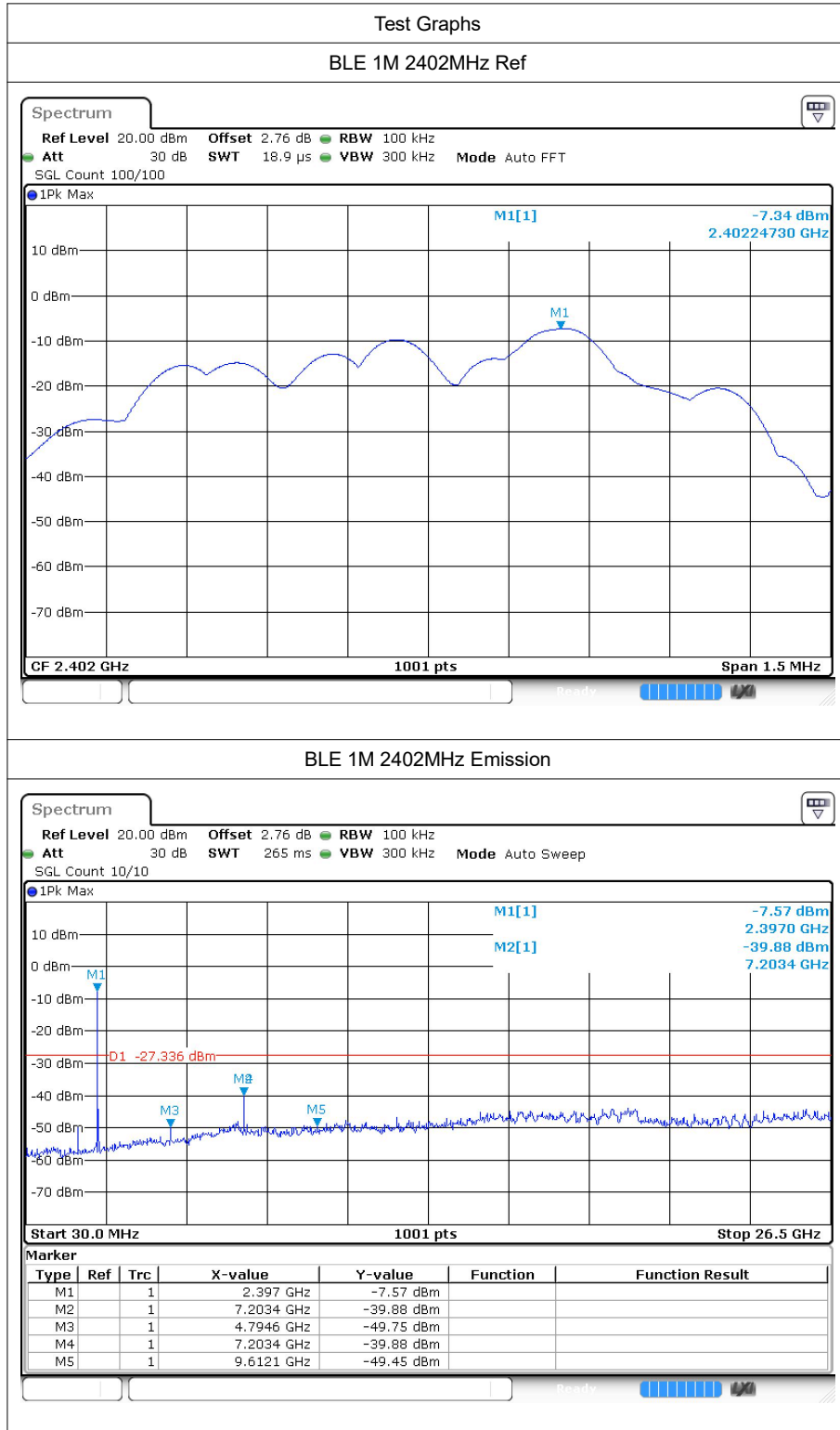


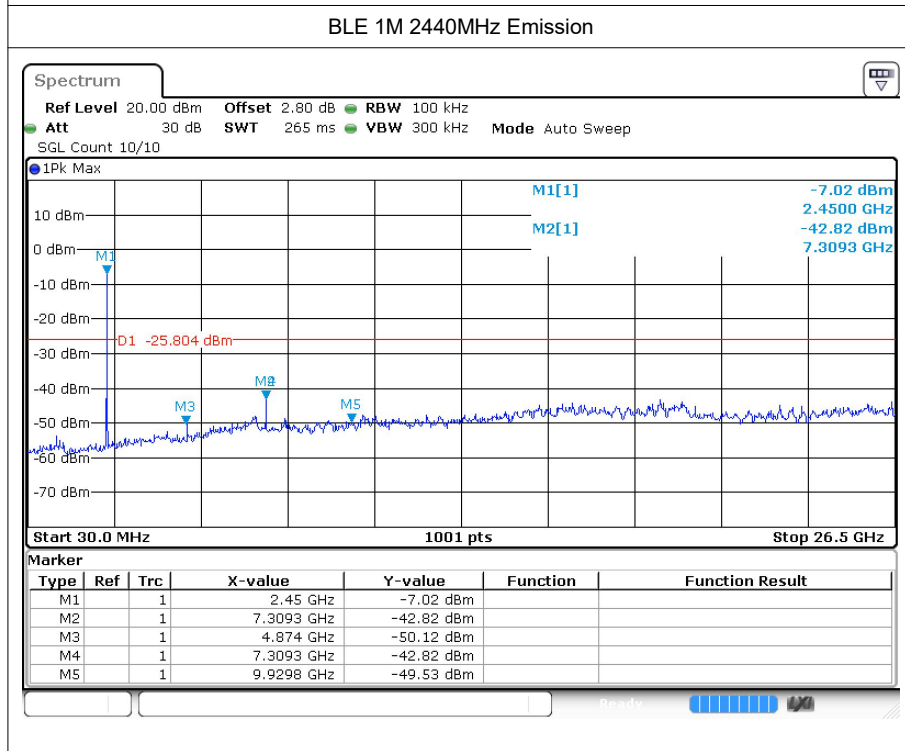
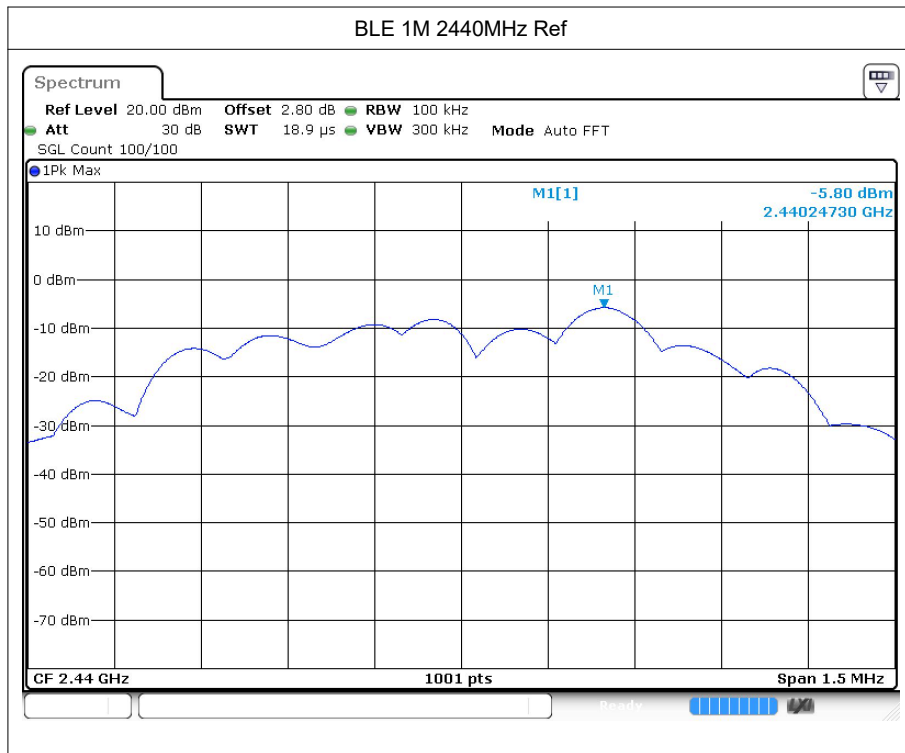
6 Conducted RF Spurious Emission

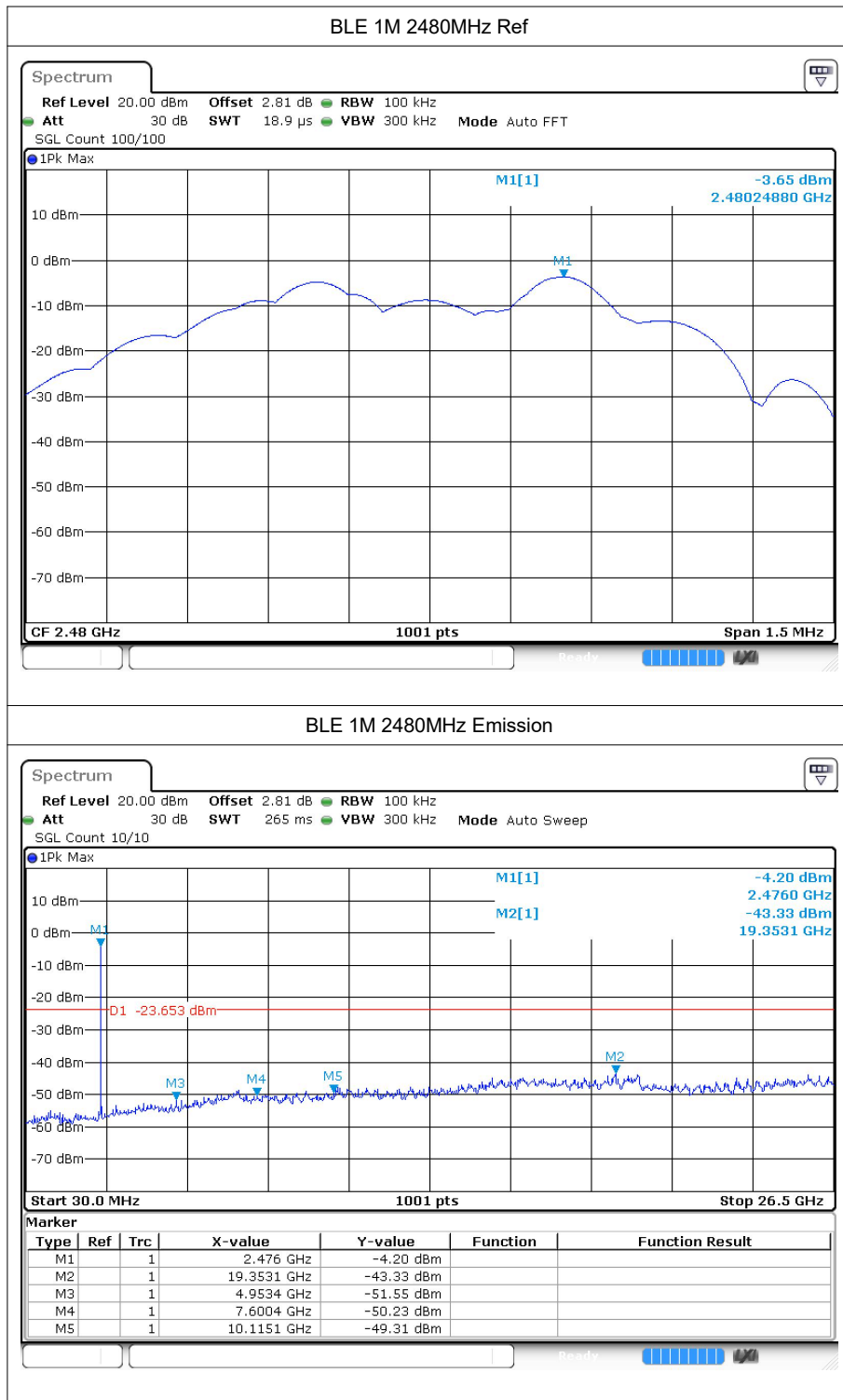
6.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-32.54	-20	Pass
BLE 1M	2440	-37.01	-20	Pass
BLE 1M	2480	-39.68	-20	Pass

6.2 Test Graphs







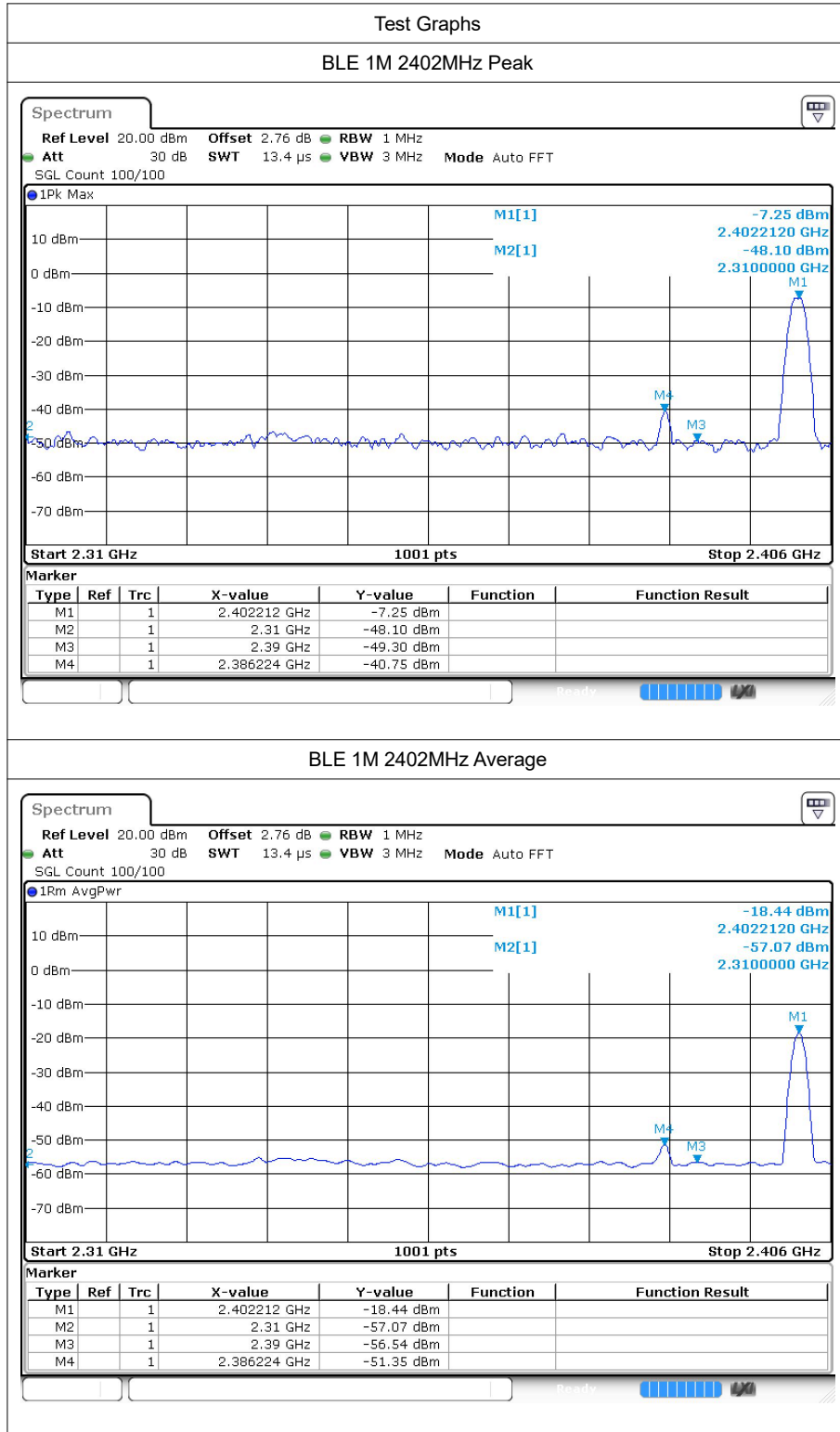


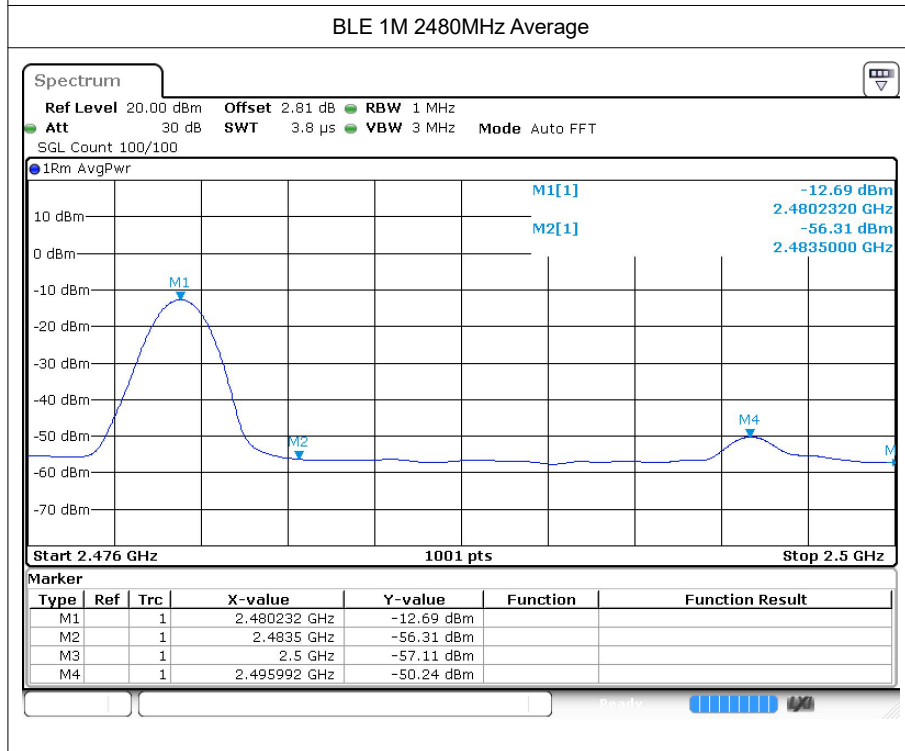
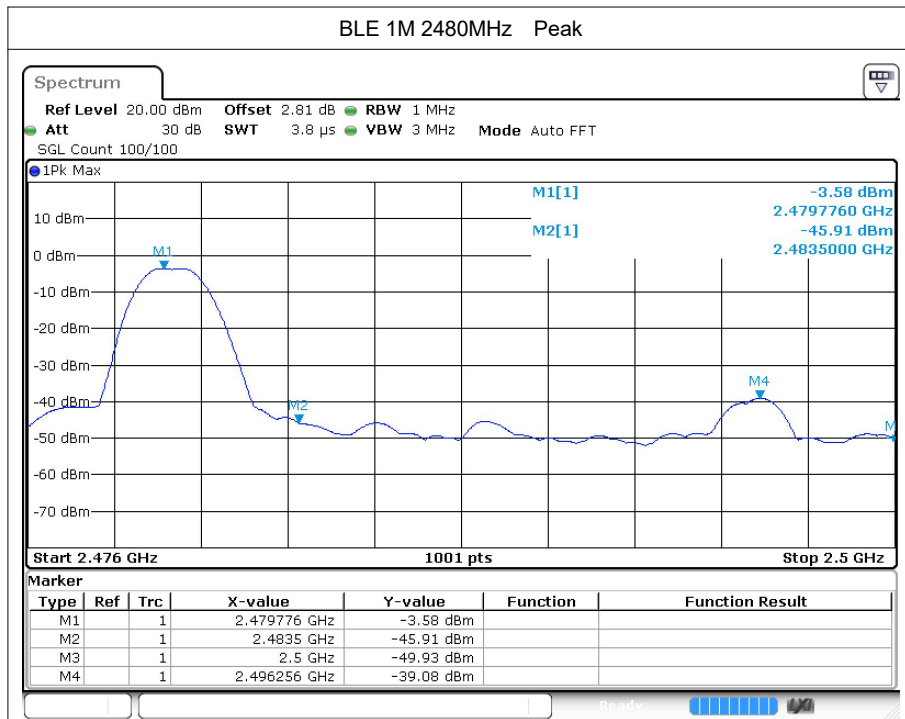
7 Restrict Band

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	-48.1	2	-	49.16	Peak	74	Pass
BLE 1M	2402	2310	-57.07	2	6.66	46.85	Average	54	Pass
BLE 1M	2402	2386.224	-40.75	2	-	56.51	Peak	74	Pass
BLE 1M	2402	2386.224	-51.34	2	6.66	52.58	Average	54	Pass
BLE 1M	2402	2390	-49.3	2	-	47.96	Peak	74	Pass
BLE 1M	2402	2390	-56.54	2	6.66	47.38	Average	54	Pass
BLE 1M	2480	2483.5	-45.91	2	-	51.35	Peak	74	Pass
BLE 1M	2480	2483.5	-56.31	2	6.44	47.39	Average	54	Pass
BLE 1M	2480	2496.256	-39.07	2	-	58.19	Peak	74	Pass
BLE 1M	2480	2495.992	-50.24	2	6.44	53.46	Average	54	Pass
BLE 1M	2480	2500	-49.93	2	-	47.33	Peak	74	Pass
BLE 1M	2480	2500	-57.11	2	6.44	46.59	Average	54	Pass

7.2 Test Graphs





---The End---