



Appendix B

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

Product Name: Jellyfish lamp

Trade Mark: SUKIND

Test Model: B0B8QY2BXW

Environmental Conditions

Temperature:	25.4° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



Contents

	Page
COVER PAGE	
1 Duty Cycle	3
1.1 Test Result.....	3
1.2 Test Graphs	4
2 Maximum Conducted Output Power	6
2.1 Test Result.....	6
2.2 Test Graphs	7
3 -6dB Bandwidth	9
3.1 Test Result.....	9
3.2 Test Graphs	10
4 Maximum Power Spectral Density Level	12
4.1 Test Result.....	12
4.2 Test Graphs	13
5 Band Edge.....	15
5.1 Test Result.....	15
5.2 Test Graphs	16
6 Conducted RF Spurious Emission.....	18
6.1 Test Result.....	18
6.2 Test Graphs	19
7 Restrict Band	22
7.1 Test Result.....	22
7.2 Test Graphs	23

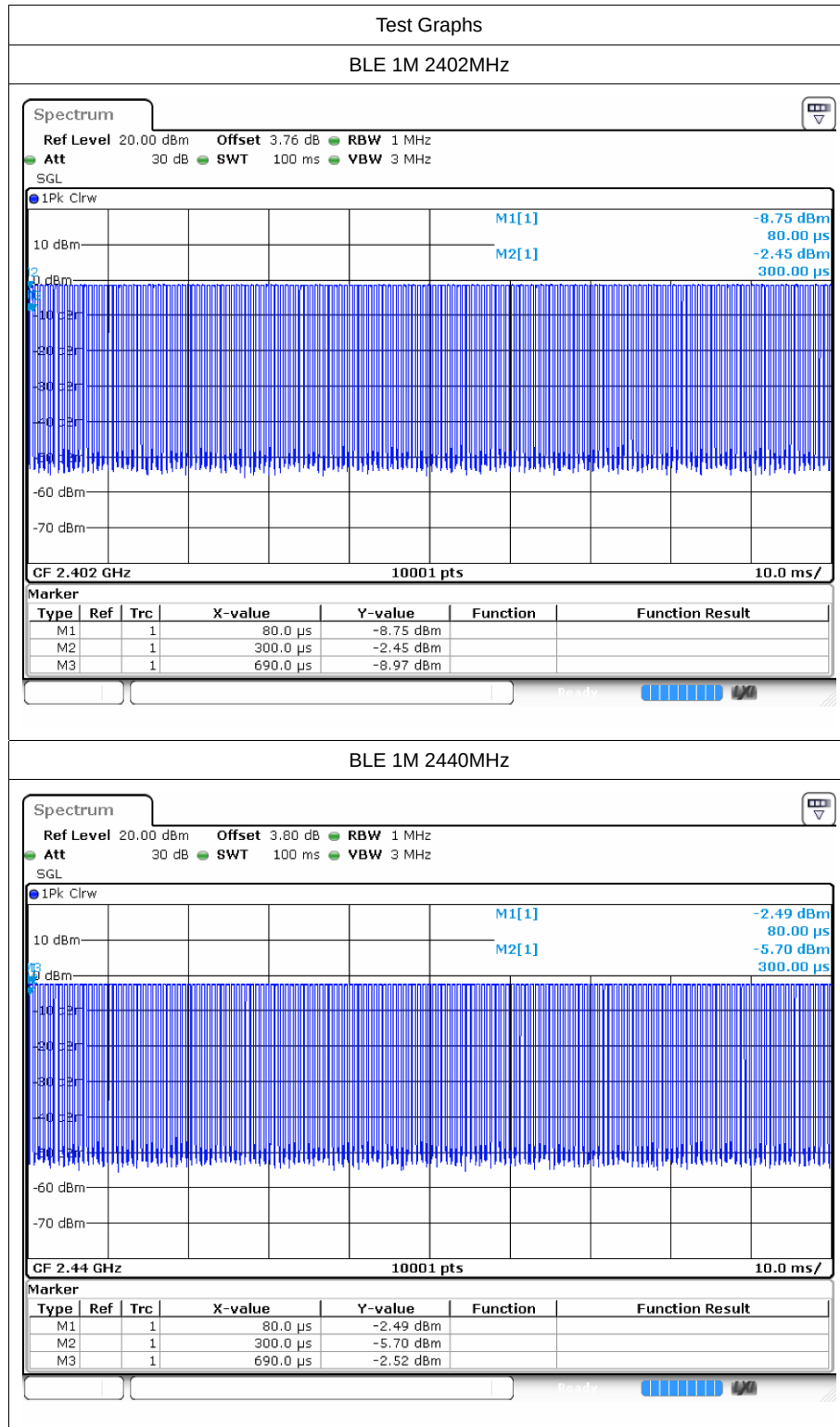


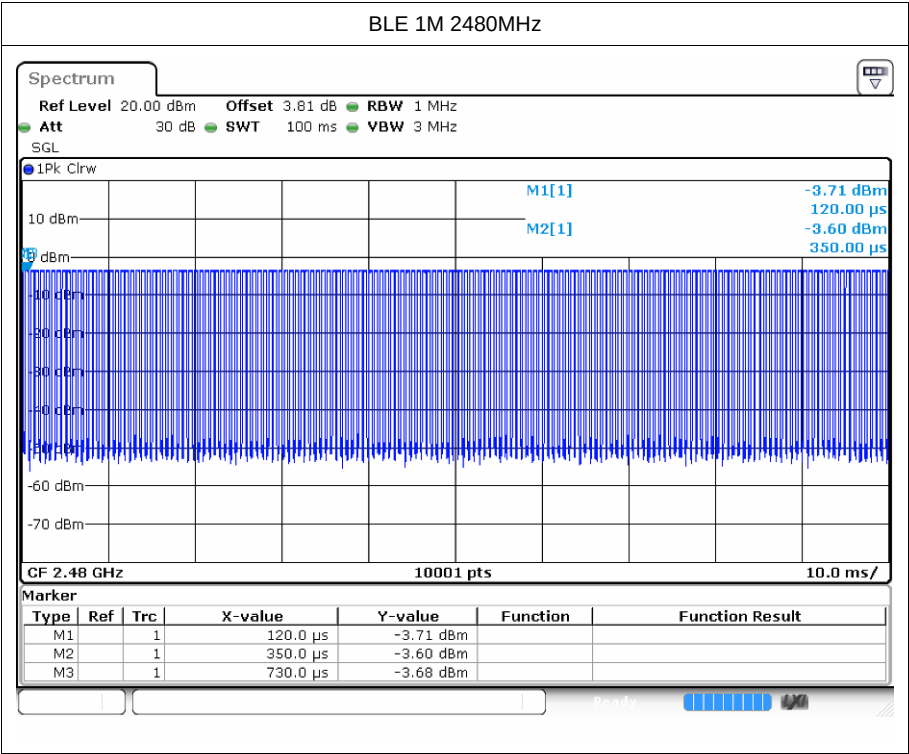
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	1/T (kHz)
BLE 1M	2402	64.55	2.56
BLE 1M	2440	64.77	2.56
BLE 1M	2480	64.53	2.63

1.2 Test Graphs





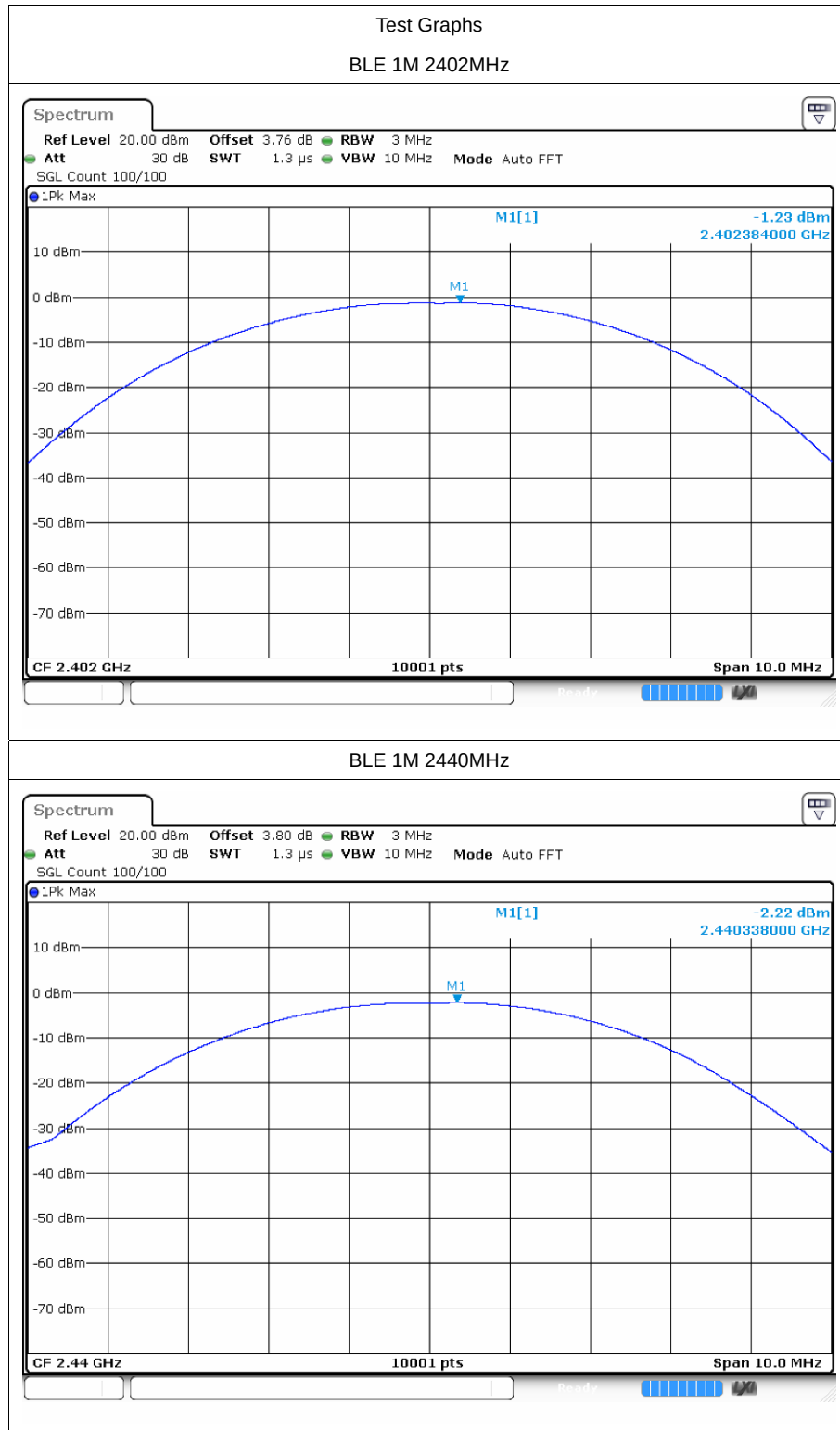


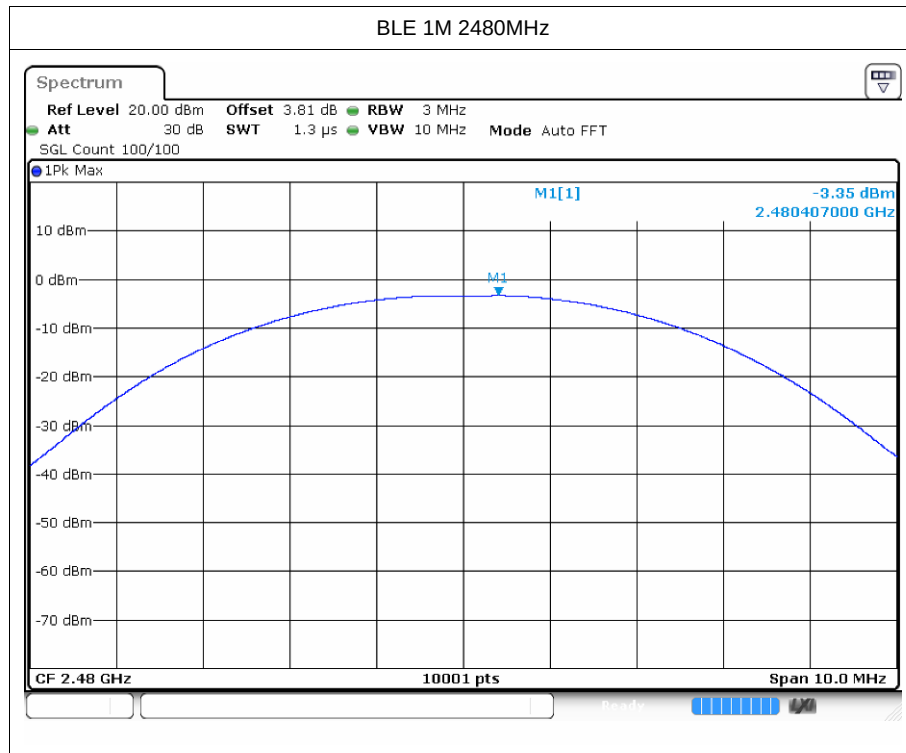
2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	-1.23	30	Pass
BLE 1M	2440	-2.22	30	Pass
BLE 1M	2480	-3.35	30	Pass

2.2 Test Graphs





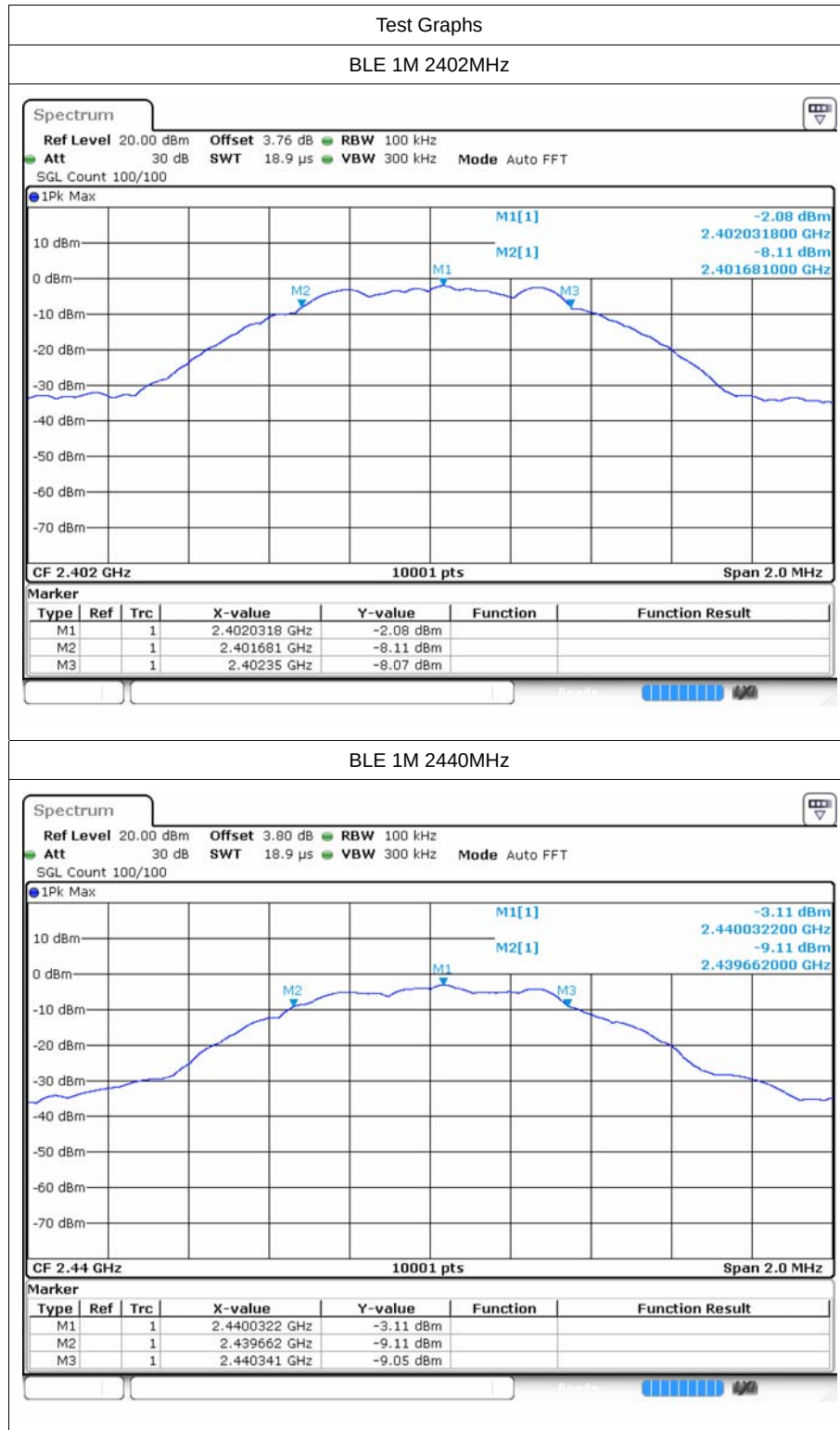


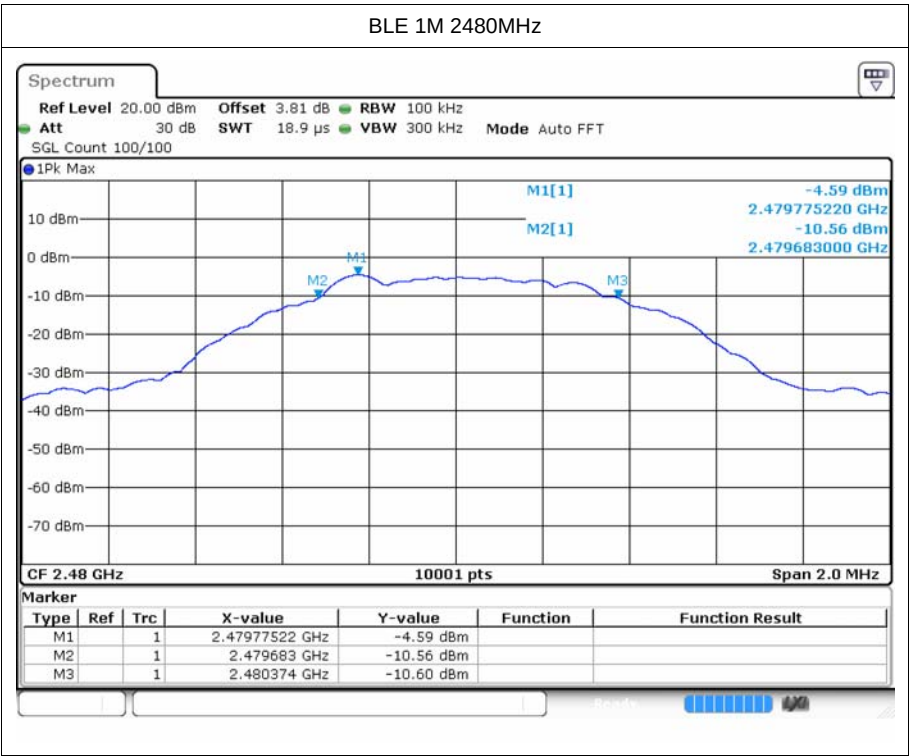
3 -6dB Bandwidth

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	0.679	0.5	Pass
BLE 1M	2480	0.691	0.5	Pass

3.2 Test Graphs



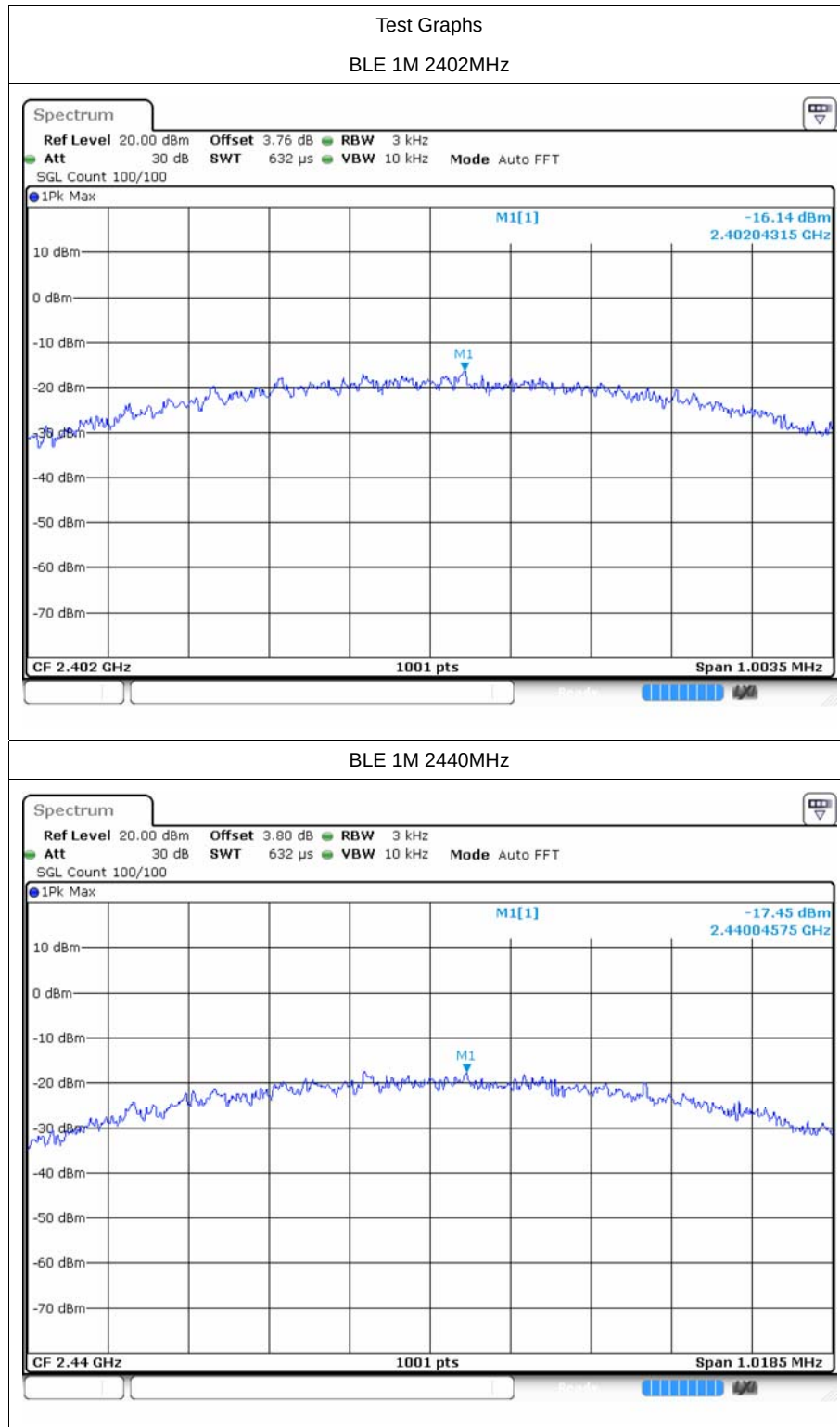


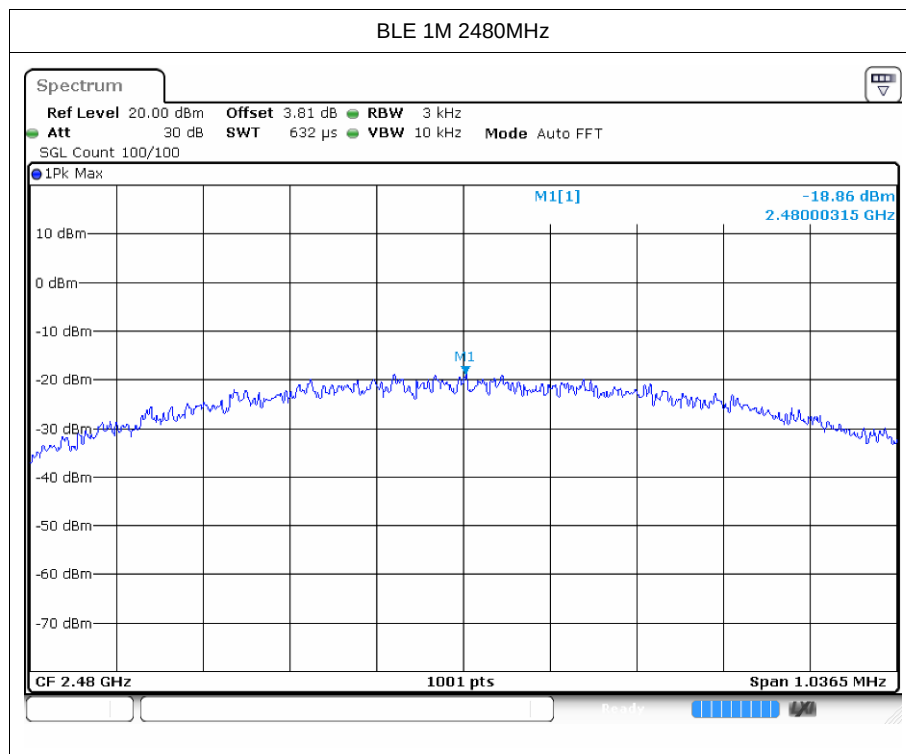
4 Maximum Power Spectral Density Level

4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-16.14	≤ 8	Pass
BLE 1M	2440	-17.45	≤ 8	Pass
BLE 1M	2480	-18.86	≤ 8	Pass

4.2 Test Graphs





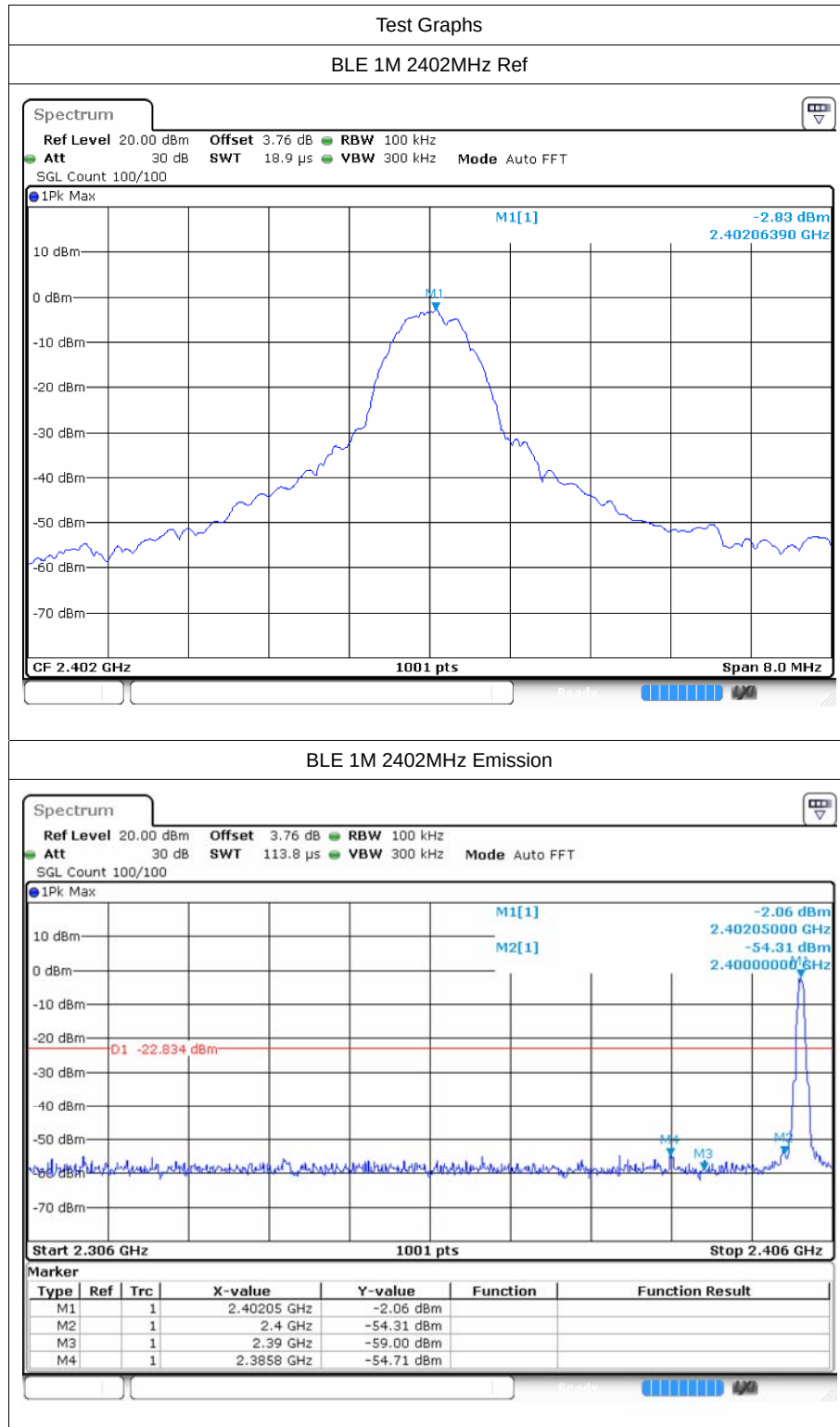


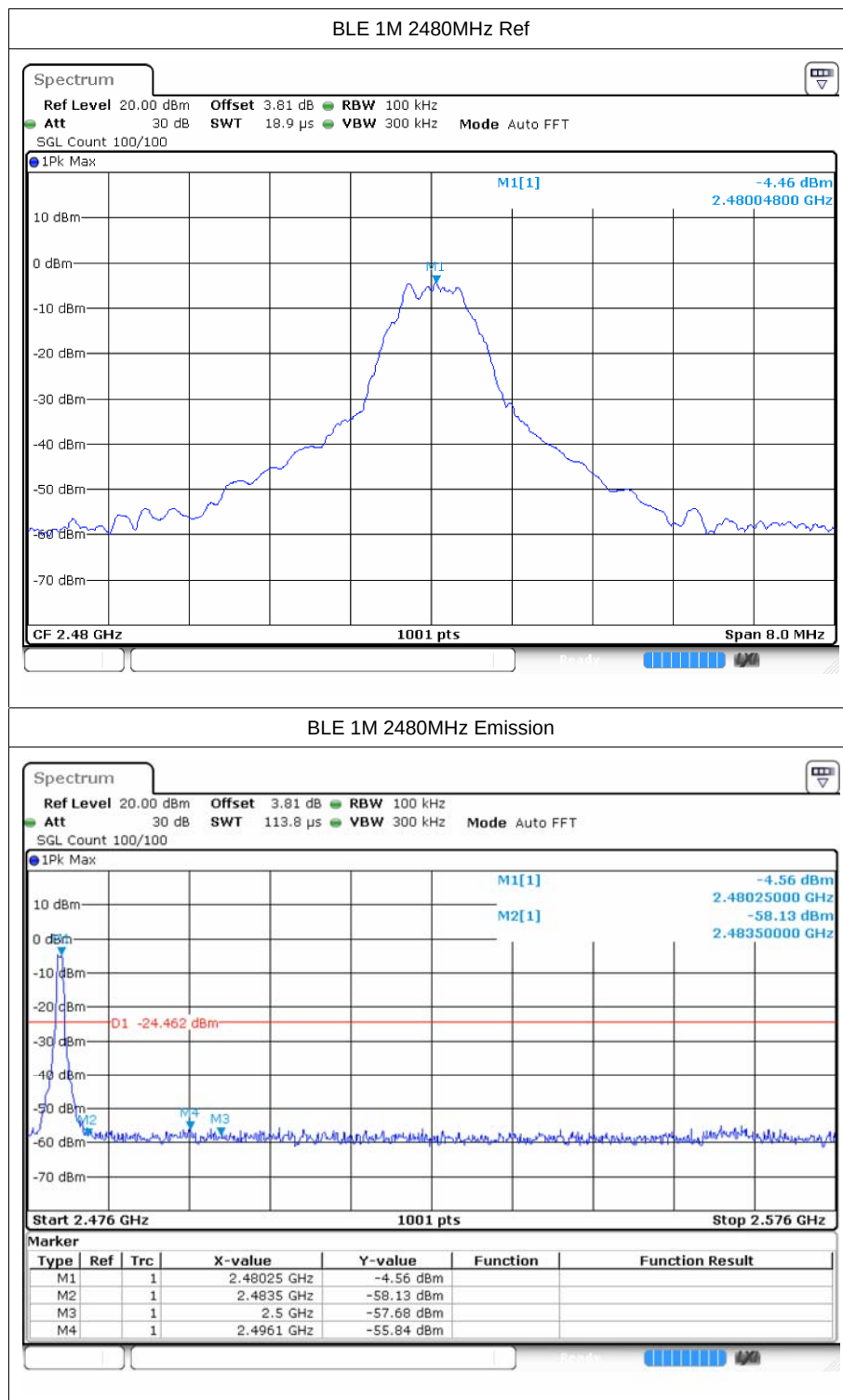
5 Band Edge

5.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-51.87	-20	Pass
BLE 1M	2480	-51.38	-20	Pass

5.2 Test Graphs





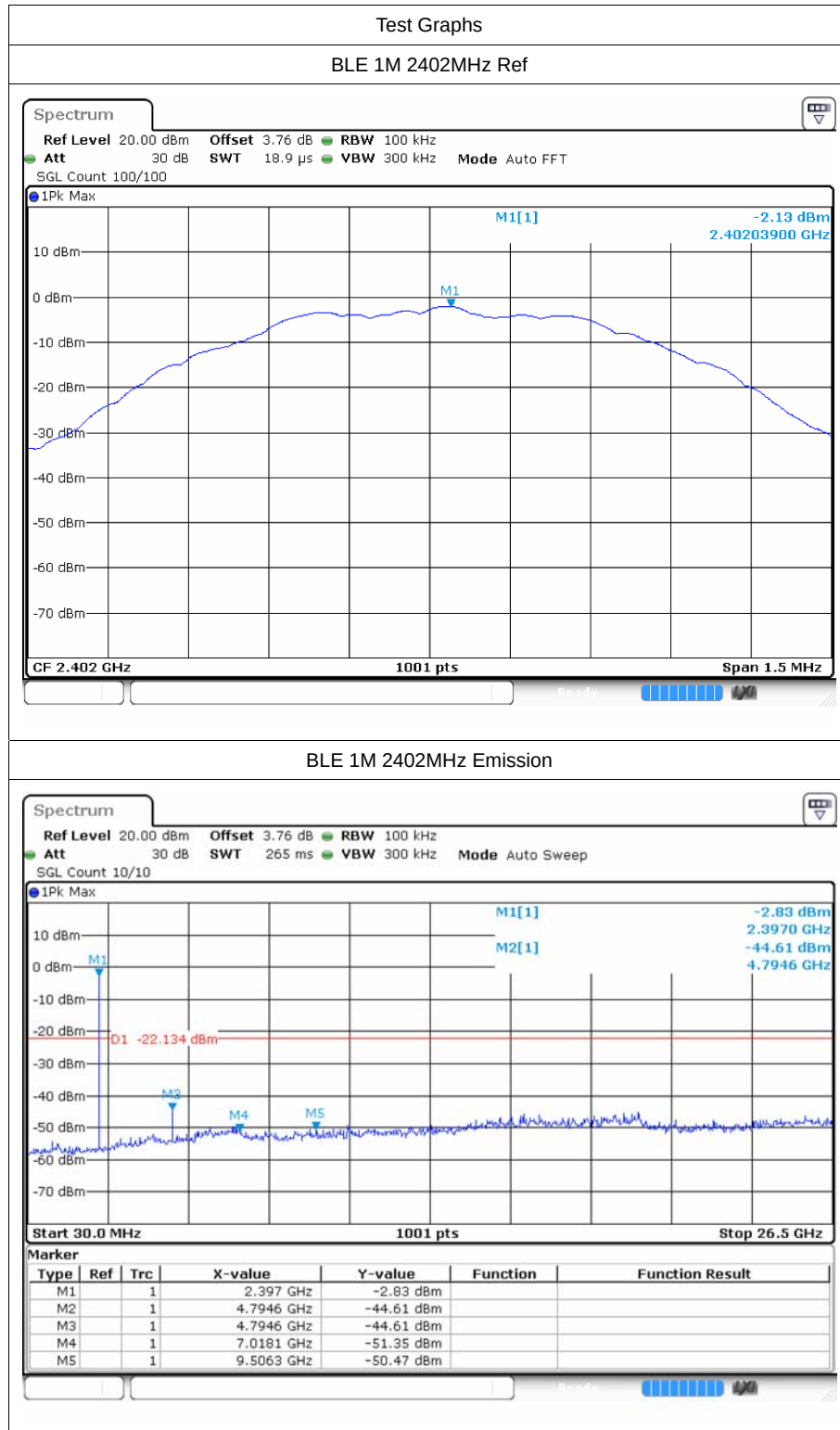


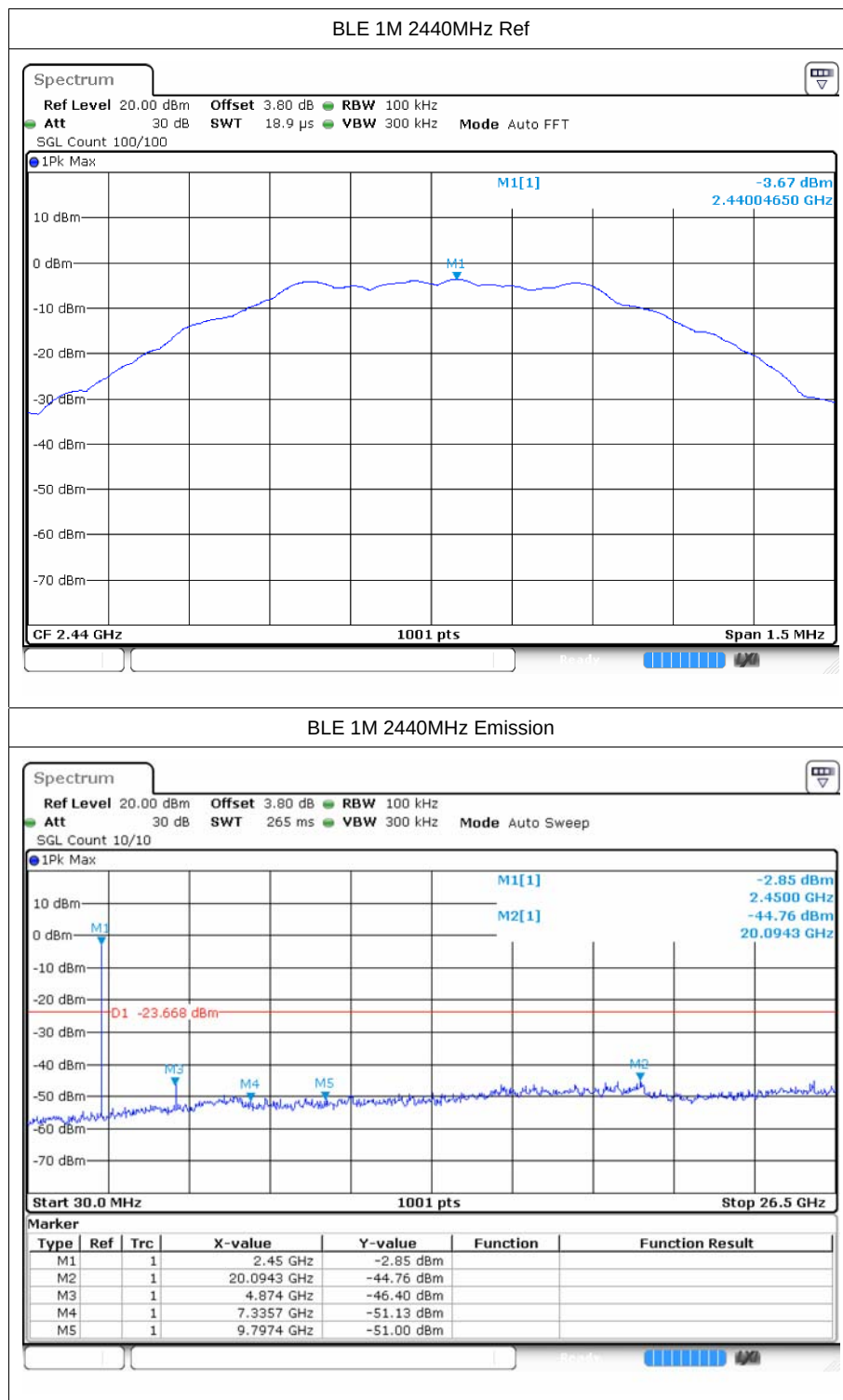
6 Conducted RF Spurious Emission

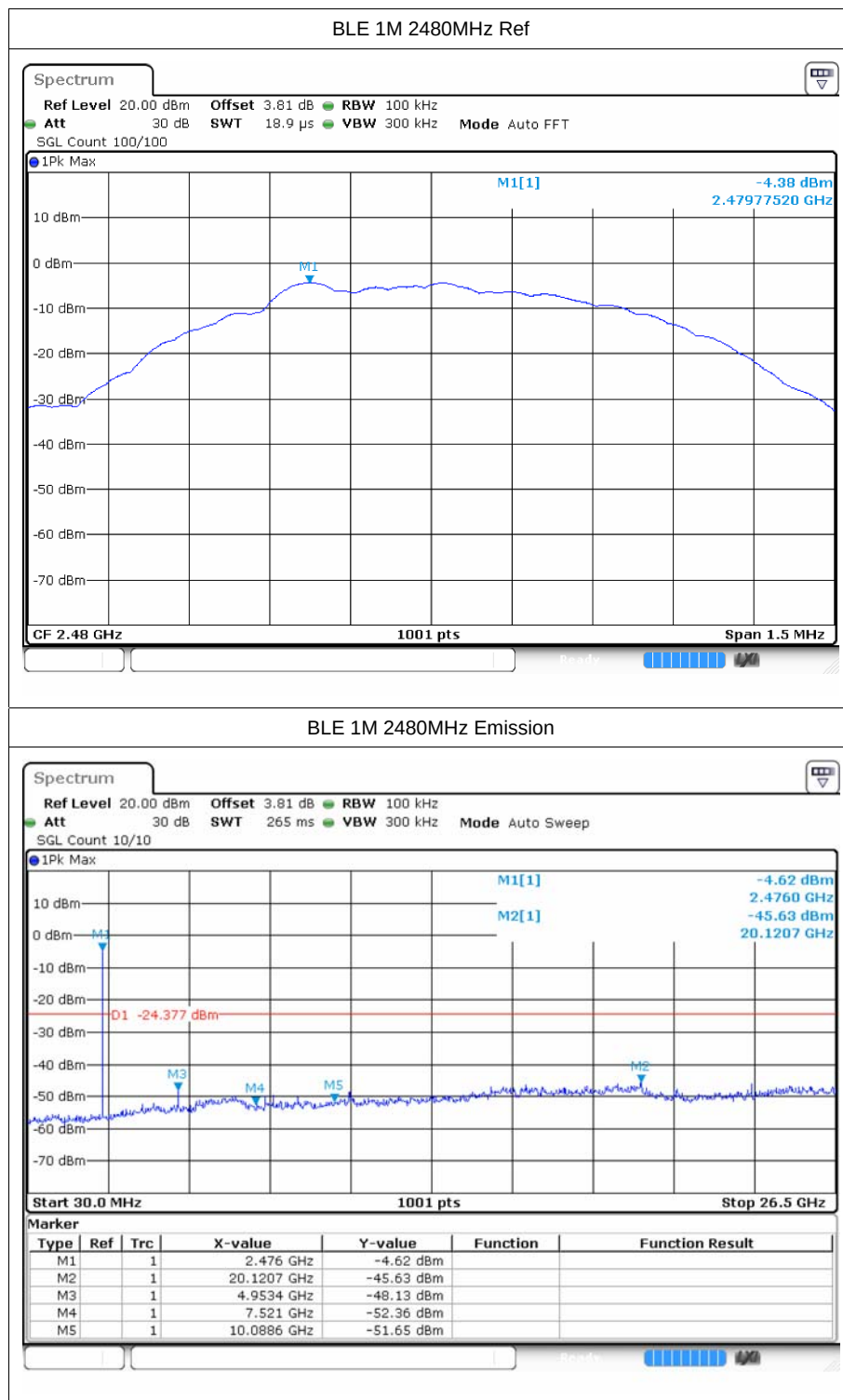
6.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-42.48	-20	Pass
BLE 1M	2440	-41.08	-20	Pass
BLE 1M	2480	-41.24	-20	Pass

6.2 Test Graphs







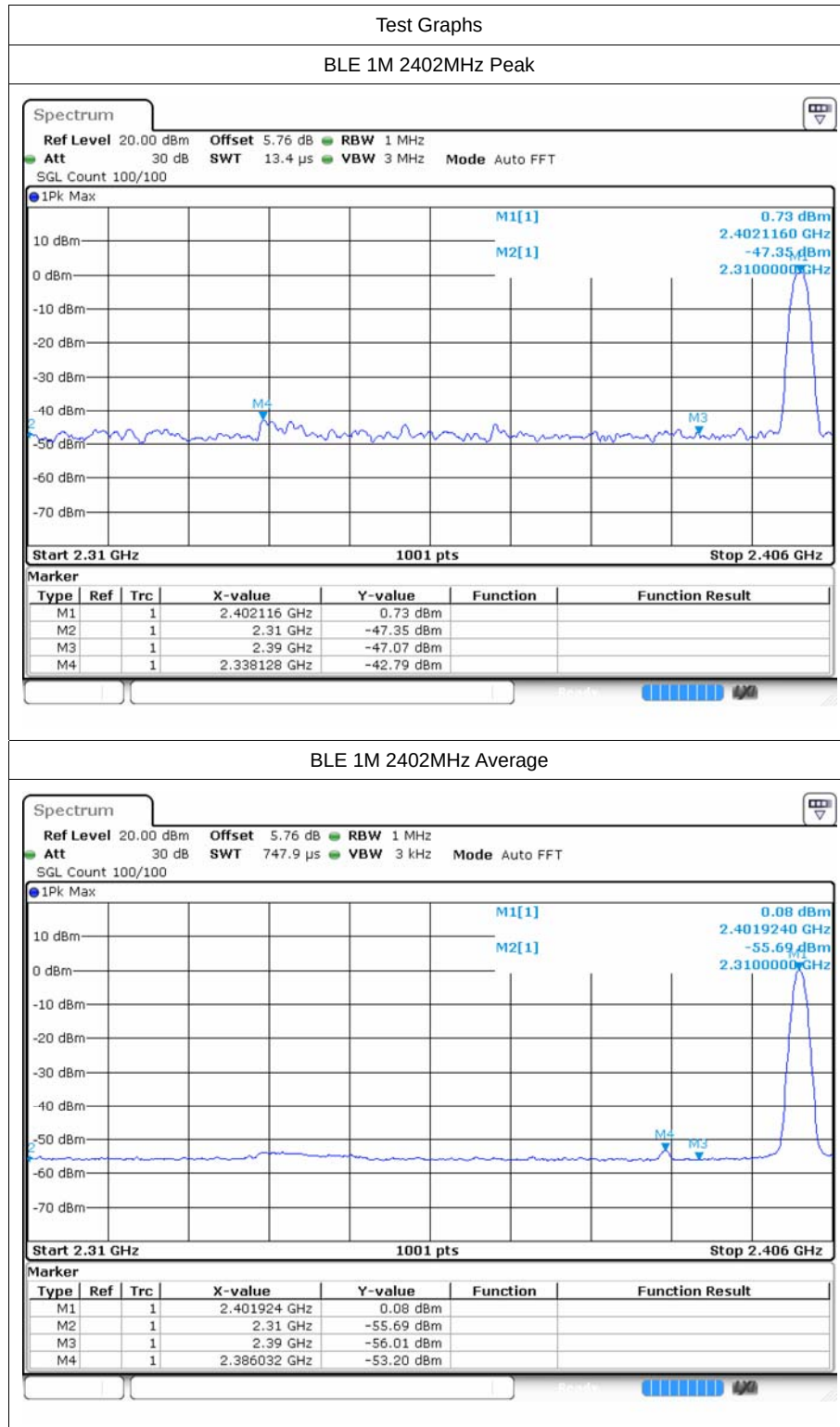


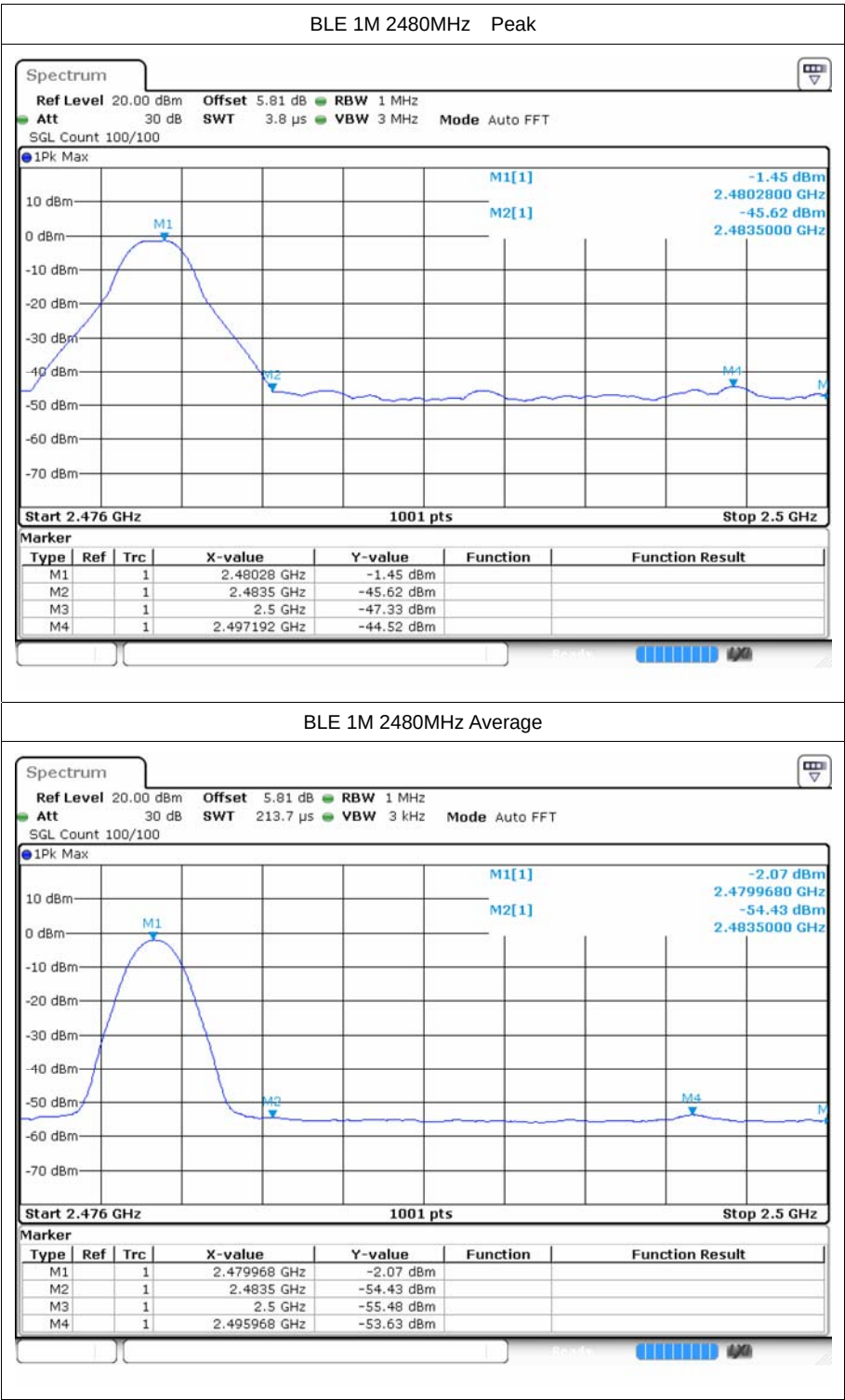
7 Restrict Band

7.1 Test Result

Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
BLE 1M	2402	2310	-47.35	2	49.91	Peak	74	Pass
BLE 1M	2402	2310	-55.69	2	41.57	Average	54	Pass
BLE 1M	2402	2338.128	-42.78	2	54.48	Peak	74	Pass
BLE 1M	2402	2386.032	-53.19	2	44.07	Average	54	Pass
BLE 1M	2402	2390	-47.06	2	50.2	Peak	74	Pass
BLE 1M	2402	2390	-56	2	41.26	Average	54	Pass
BLE 1M	2480	2483.5	-45.99	2	51.27	Peak	74	Pass
BLE 1M	2480	2483.5	-54.41	2	42.85	Average	54	Pass
BLE 1M	2480	2497.192	-44.51	2	52.75	Peak	74	Pass
BLE 1M	2480	2495.968	-53.62	2	43.64	Average	54	Pass
BLE 1M	2480	2500	-47.33	2	49.93	Peak	74	Pass
BLE 1M	2480	2500	-55.47	2	41.79	Average	54	Pass

7.2 Test Graphs





---The End---