



Appendix B

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

Product Name: Wireless keyboard

Trade Mark: N/A

Test Model: BT22

Environmental Conditions

Temperature:	16.6° C
Relative Humidity:	50.1%
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

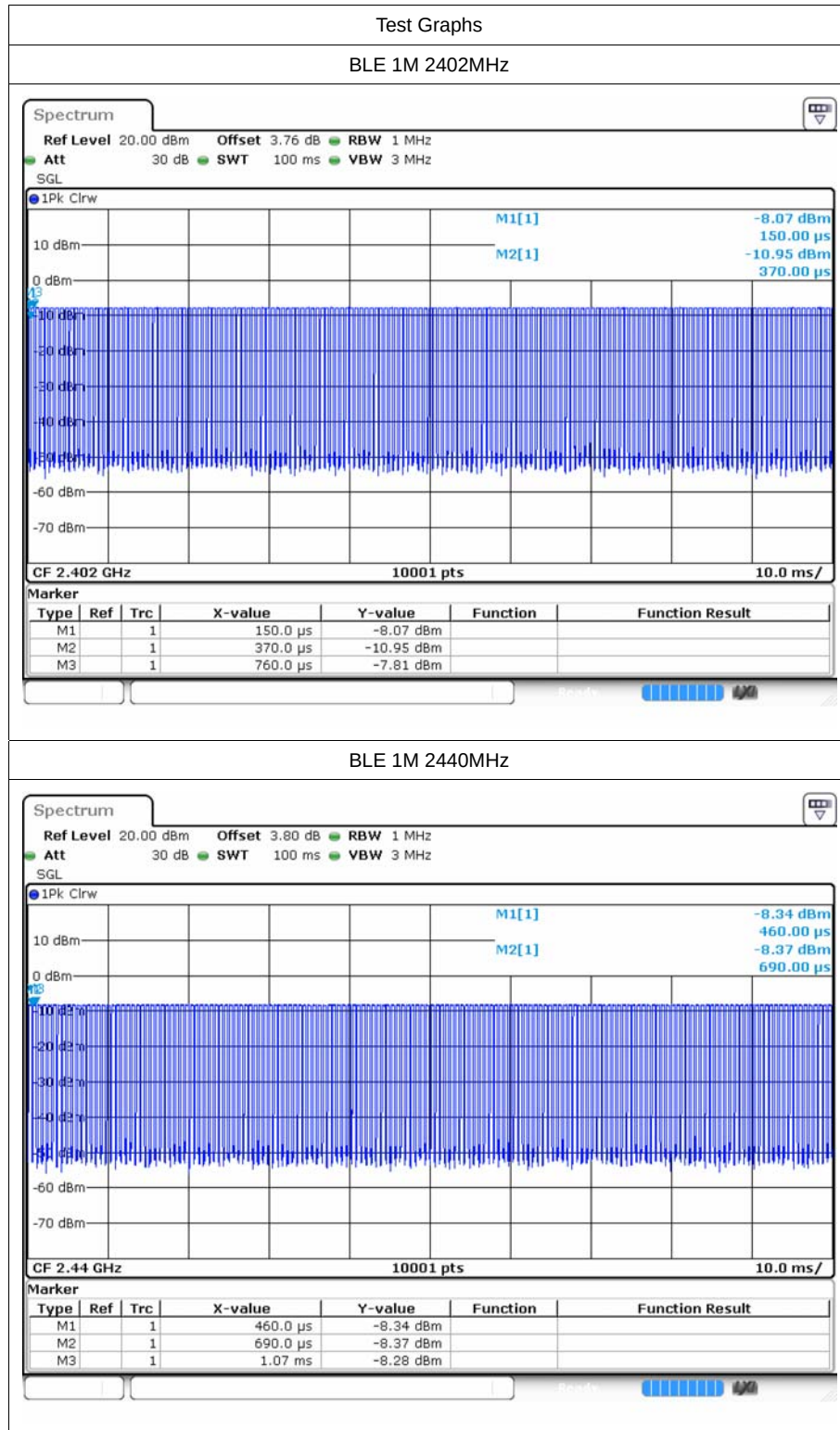


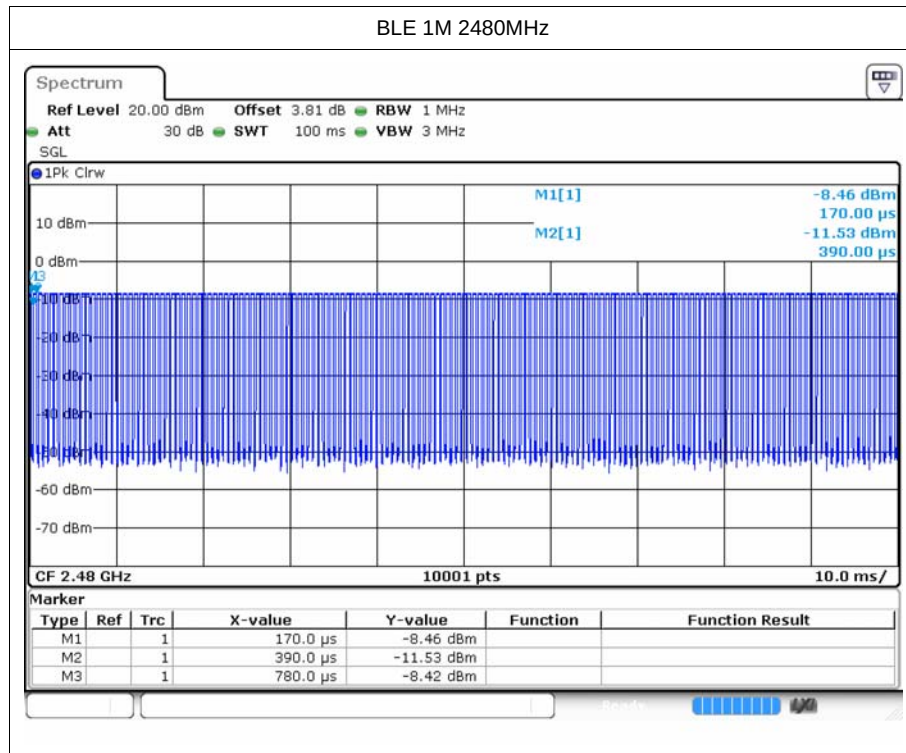
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	1/T (kHz)
BLE 1M	2402	64.76	2.56
BLE 1M	2440	64.54	2.63
BLE 1M	2480	65.16	2.56

1.2 Test Graphs





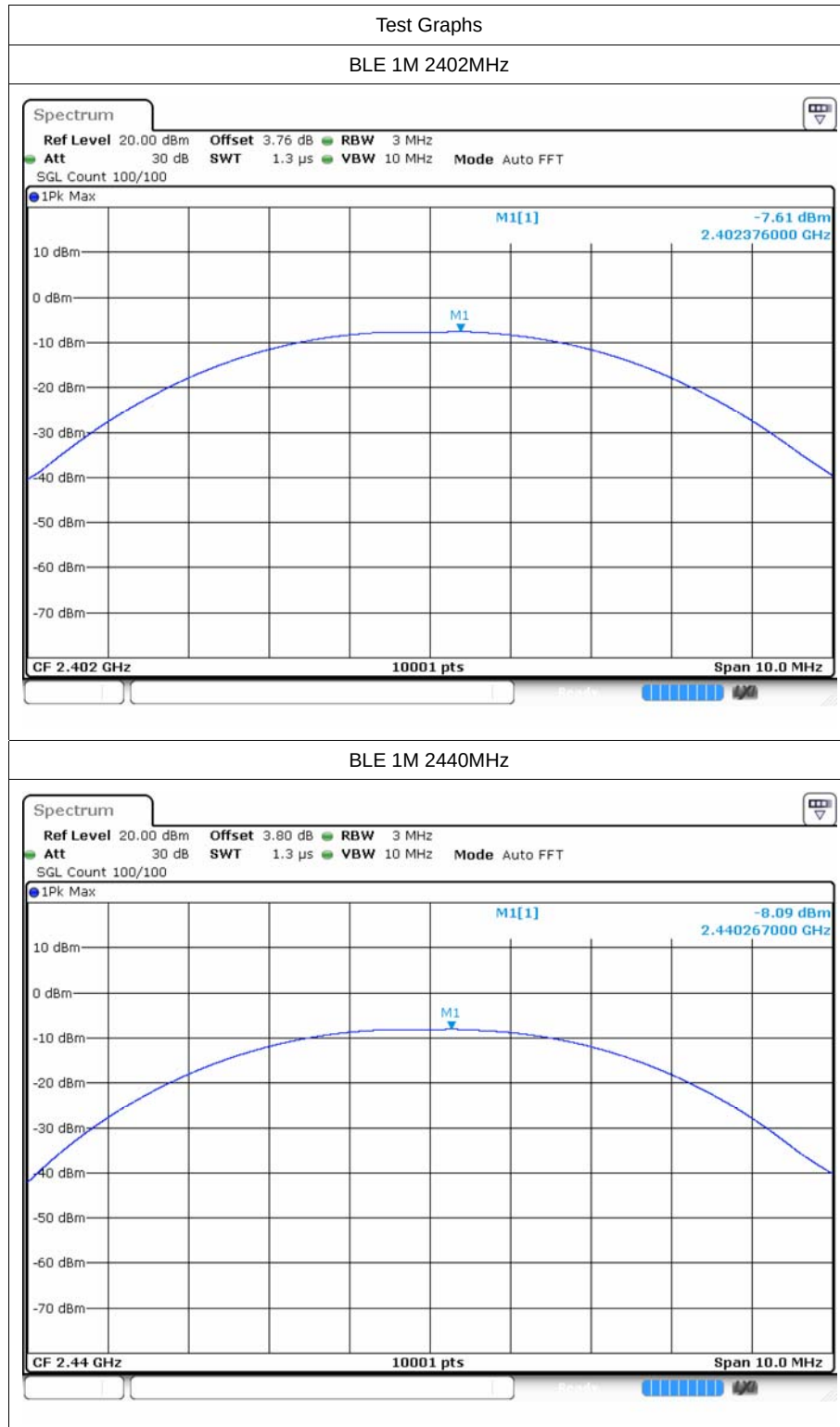


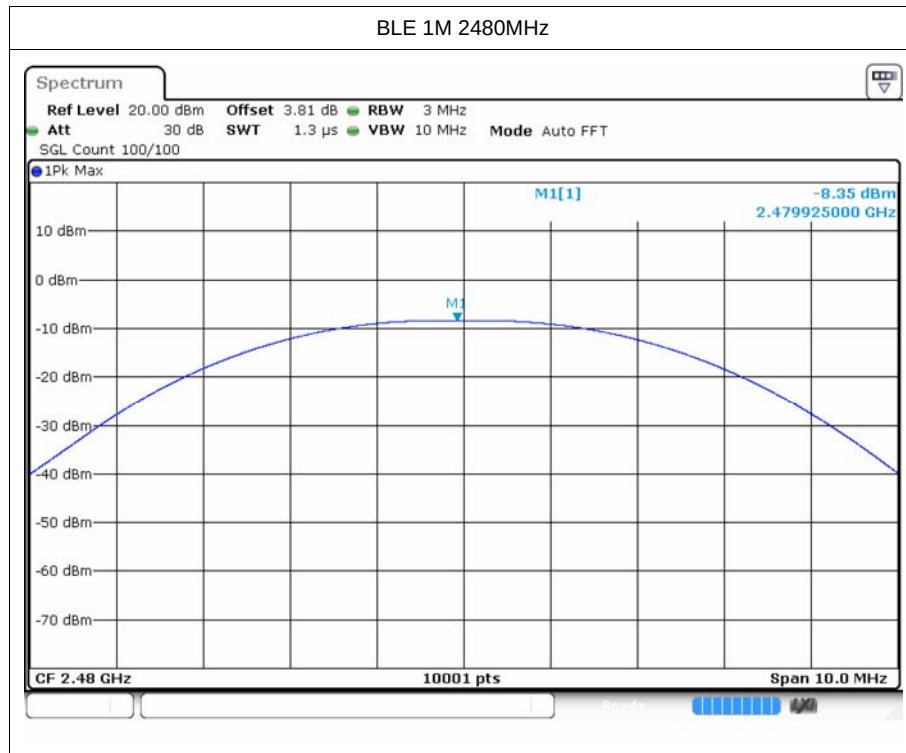
2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	-7.61	30	Pass
BLE 1M	2440	-8.09	30	Pass
BLE 1M	2480	-8.35	30	Pass

2.2 Test Graphs





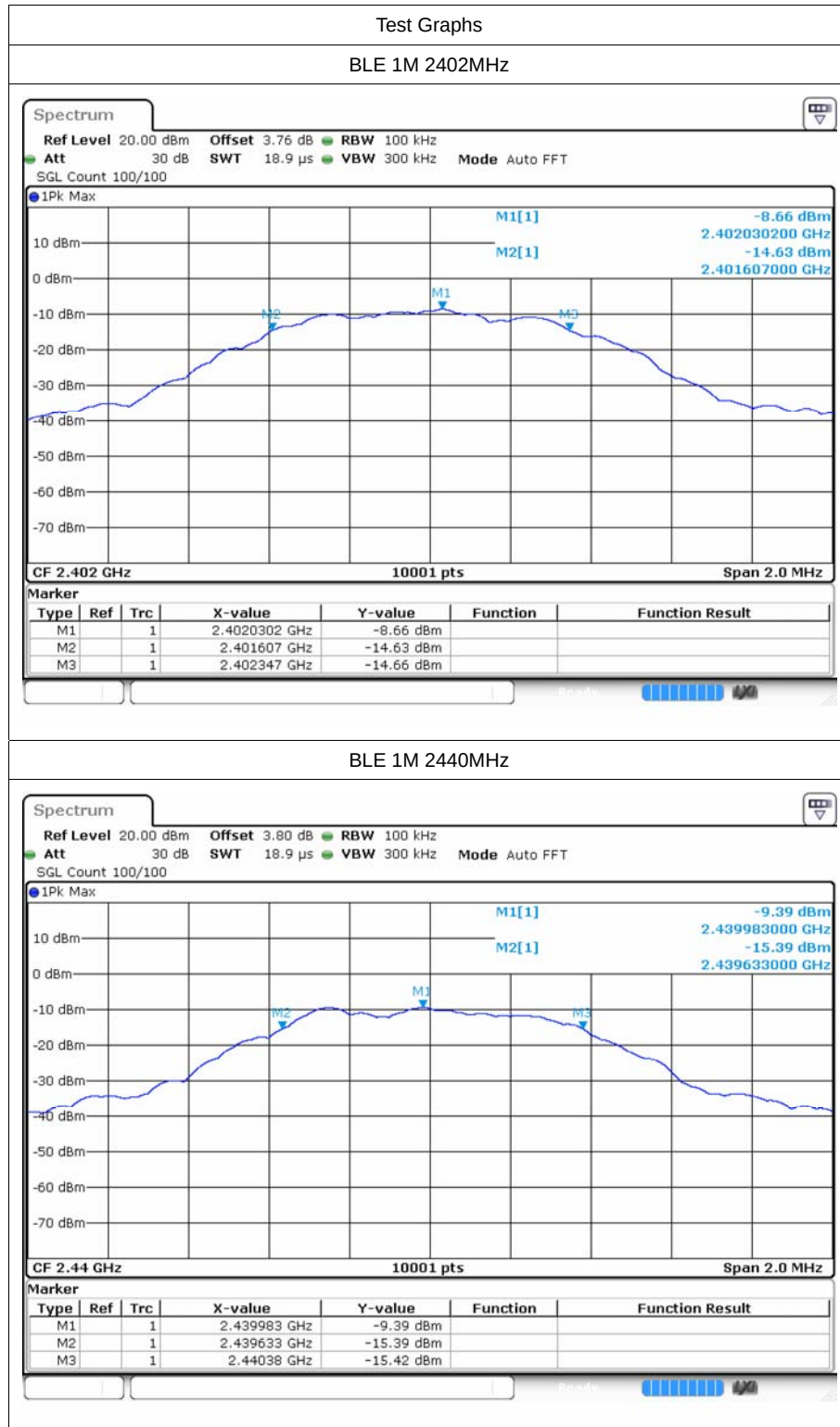


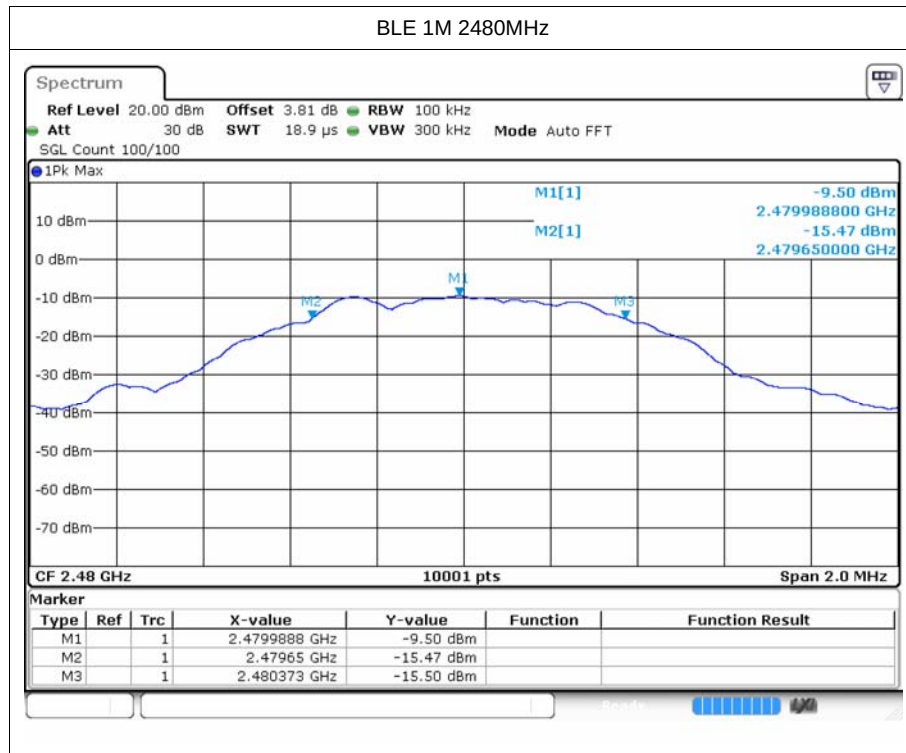
3 -6dB Bandwidth

3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.74	0.5	Pass
BLE 1M	2440	0.747	0.5	Pass
BLE 1M	2480	0.723	0.5	Pass

3.2 Test Graphs





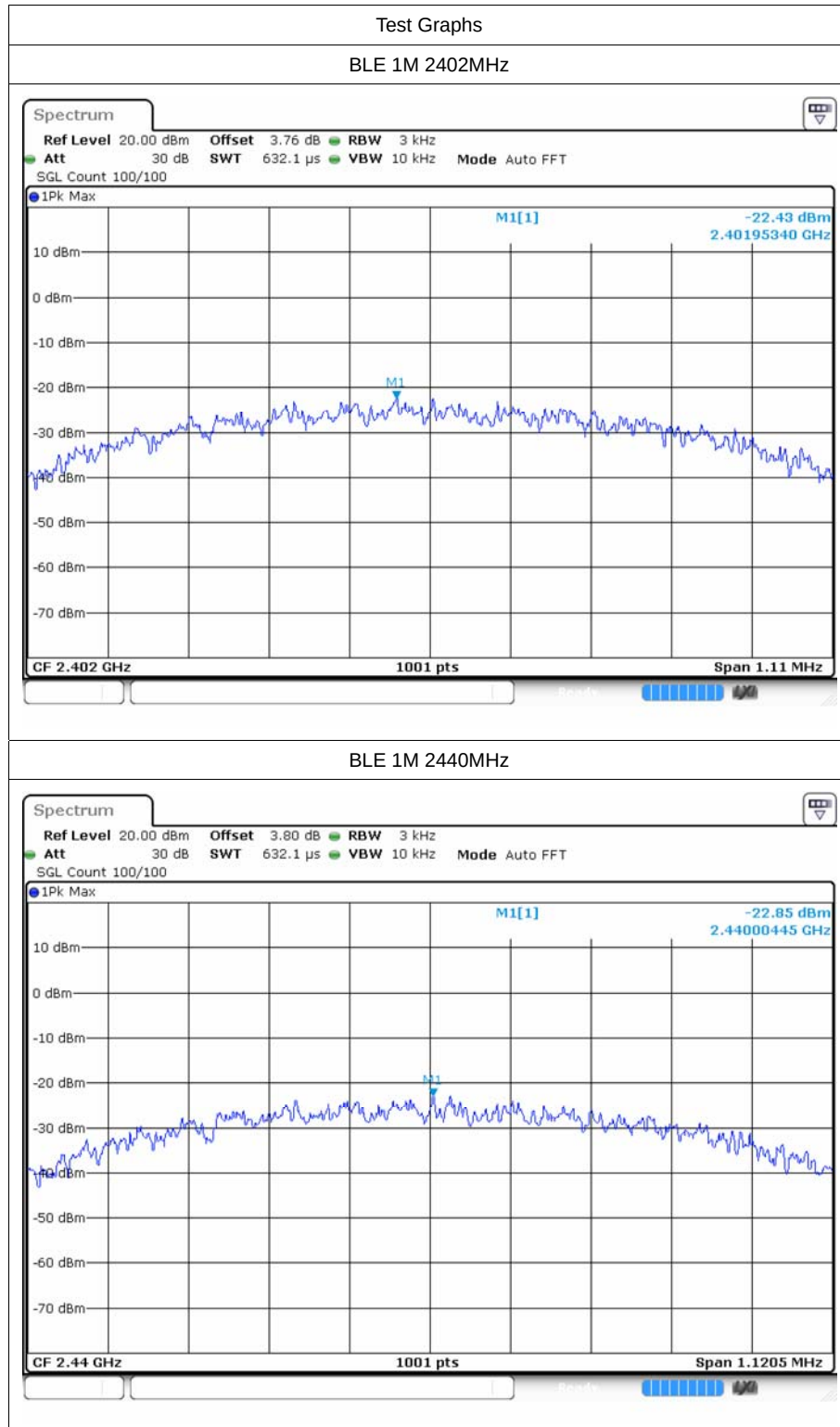


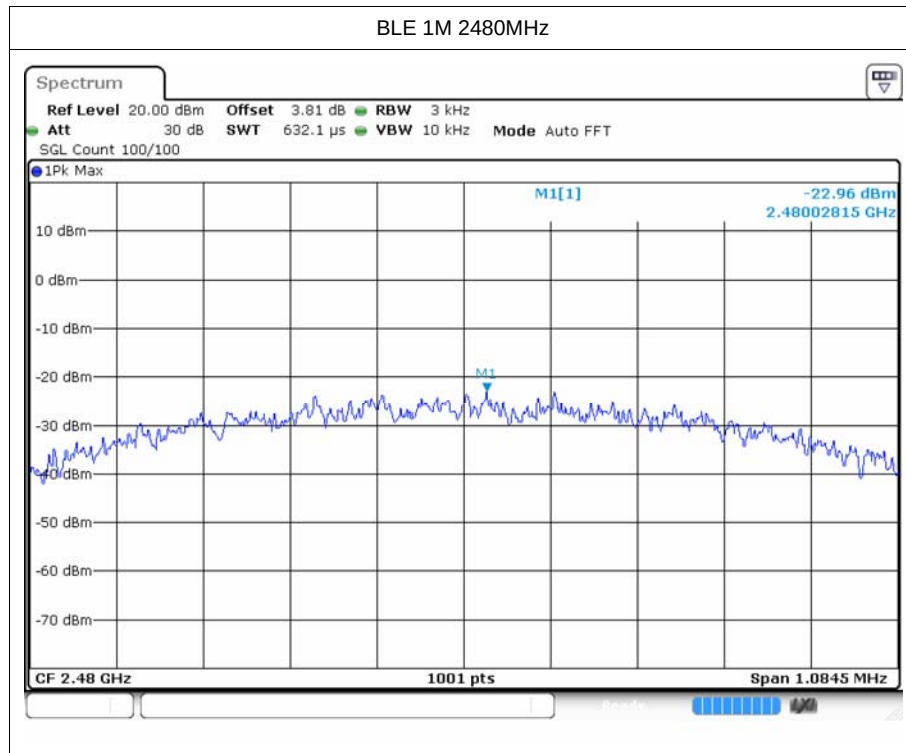
4 Maximum Power Spectral Density Level

4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-22.43	≤ 8	Pass
BLE 1M	2440	-22.85	≤ 8	Pass
BLE 1M	2480	-22.96	≤ 8	Pass

4.2 Test Graphs





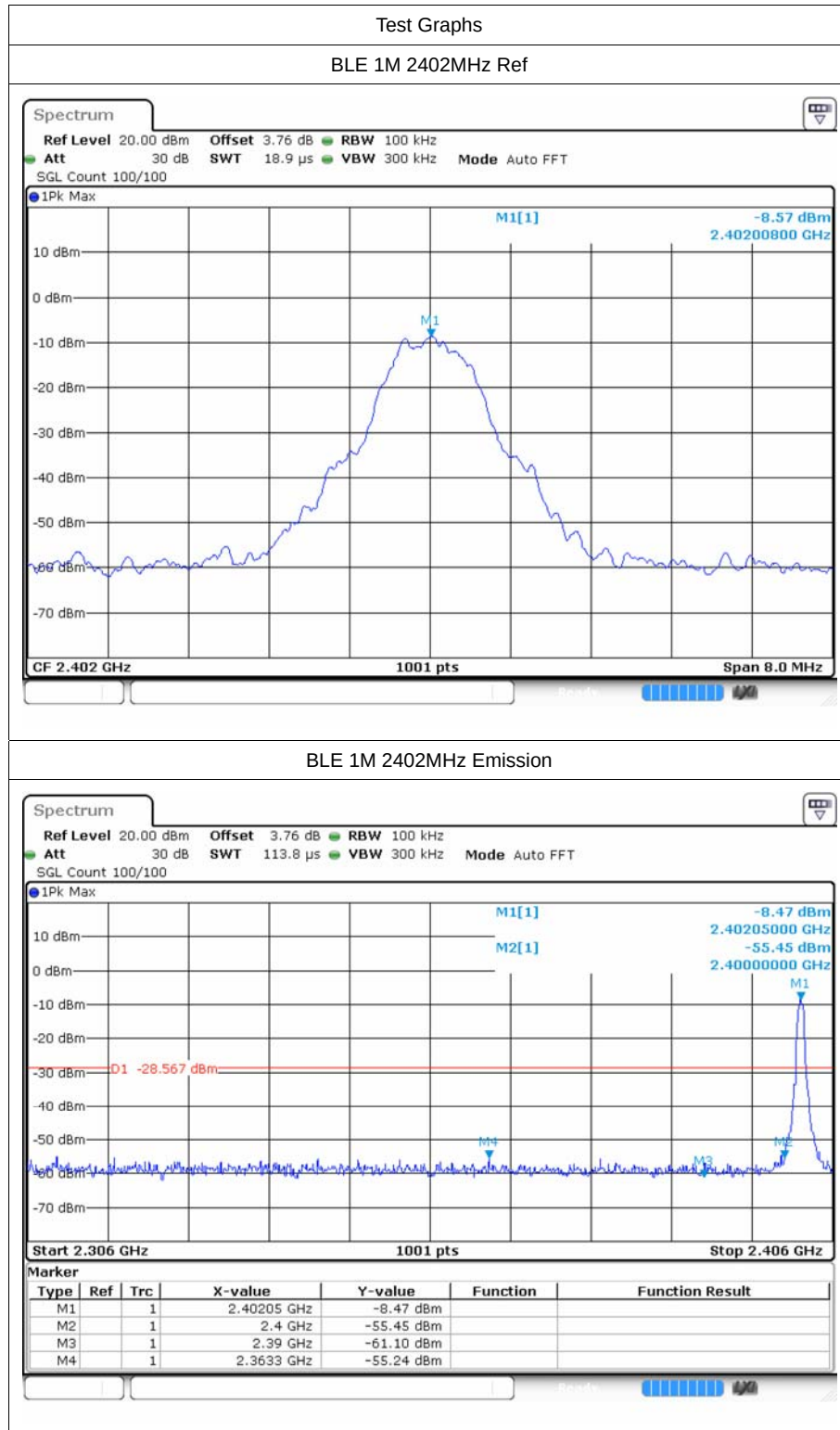


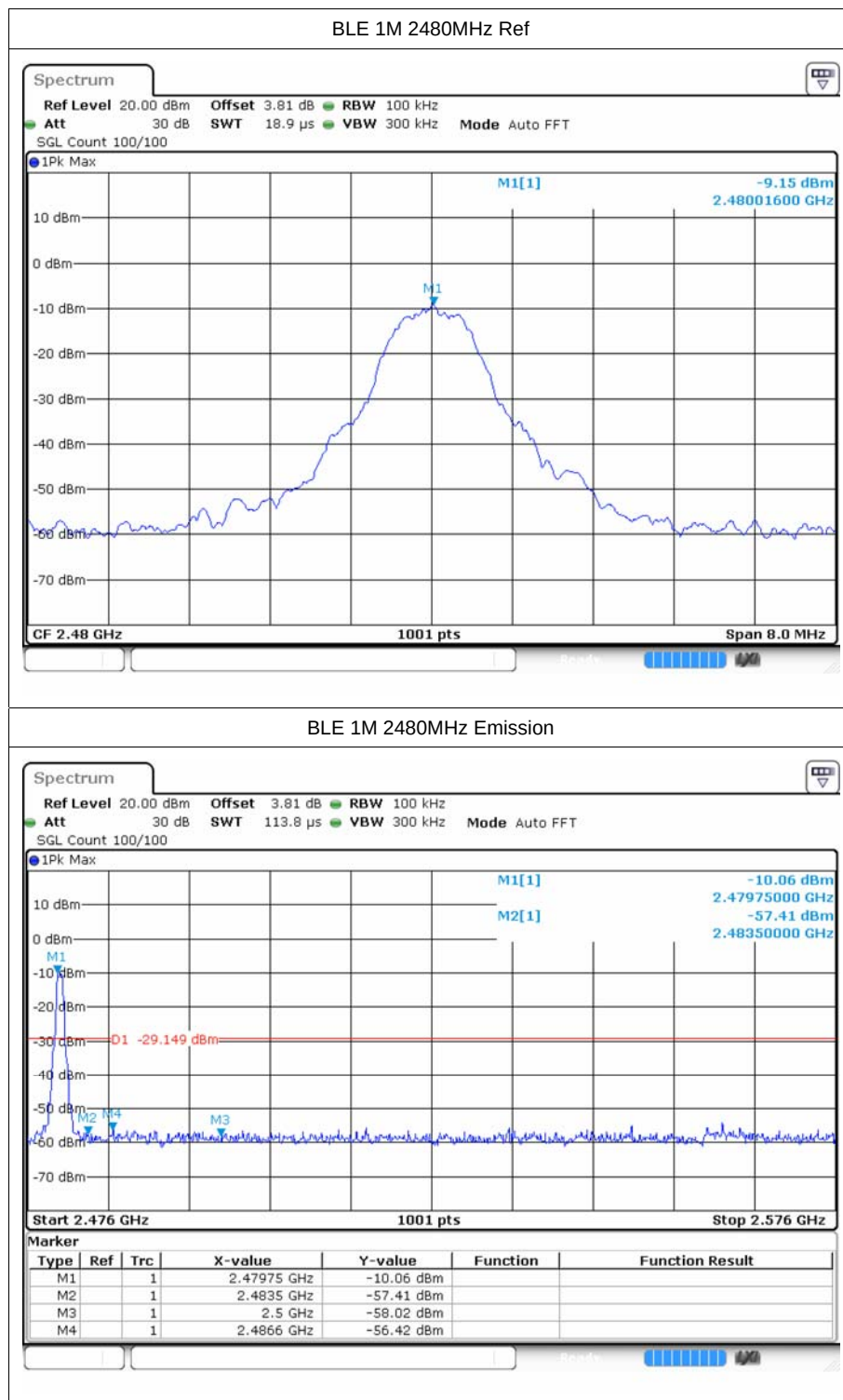
5 Band Edge

5.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-46.67	-20	Pass
BLE 1M	2480	-47.26	-20	Pass

5.2 Test Graphs





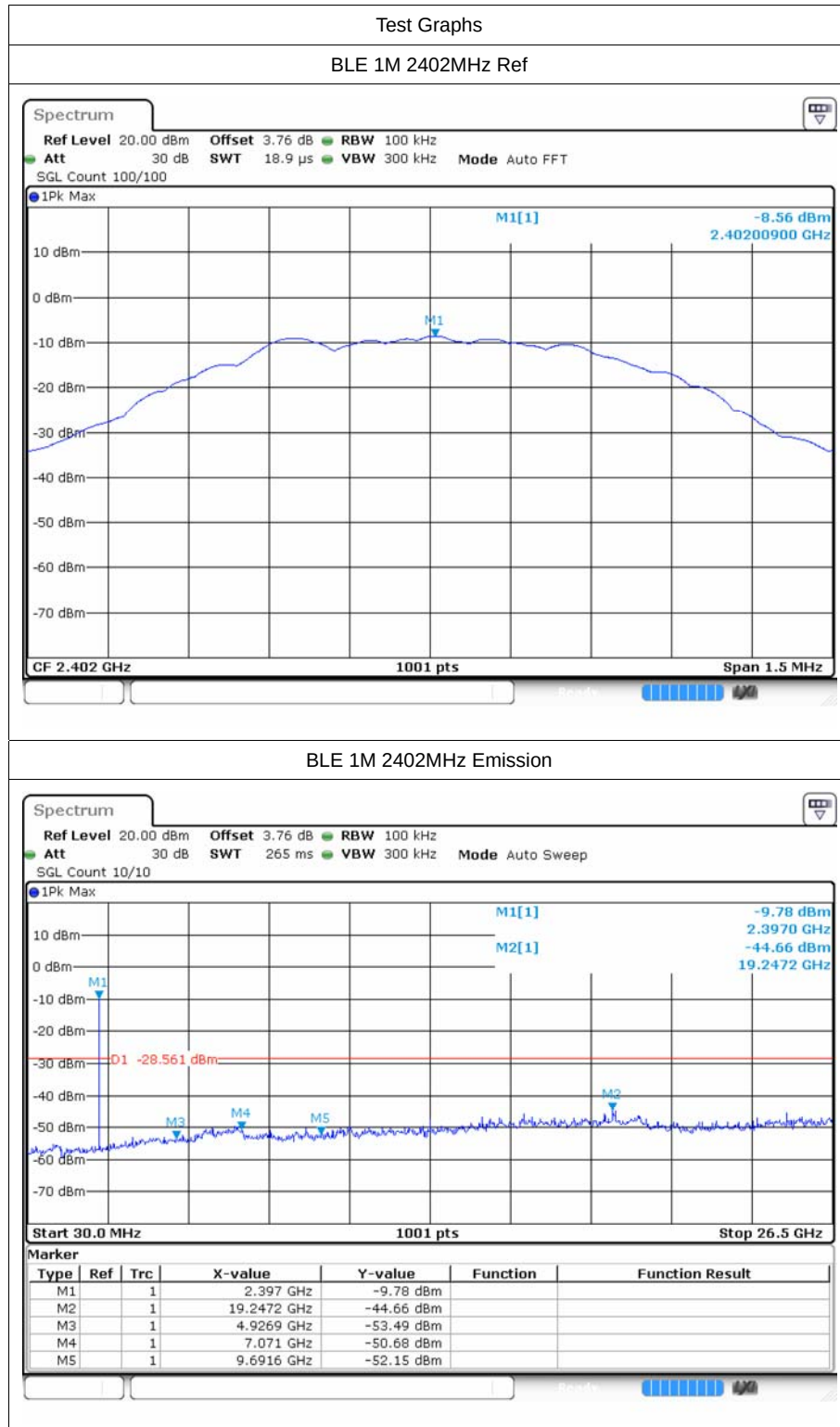


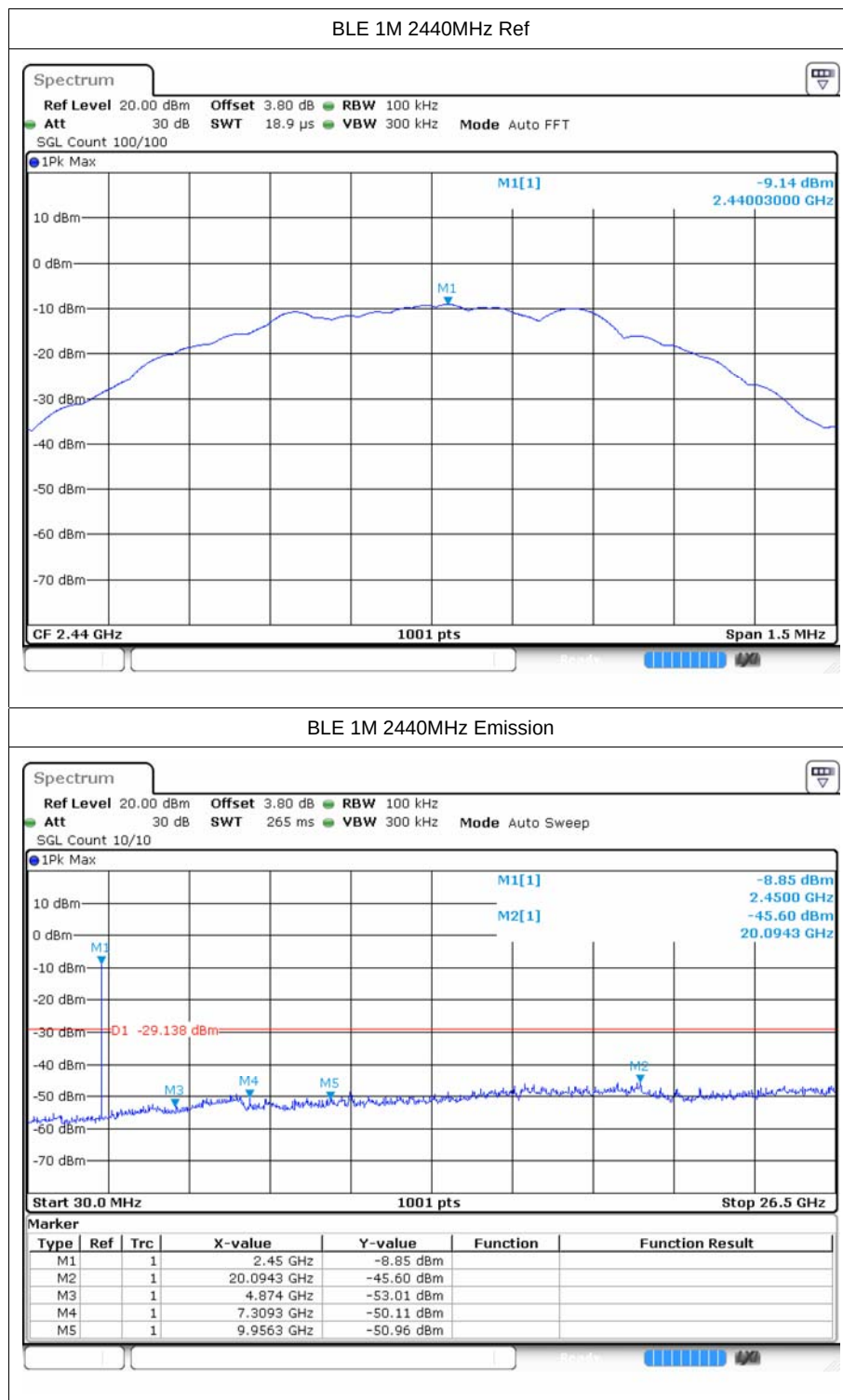
6 Conducted RF Spurious Emission

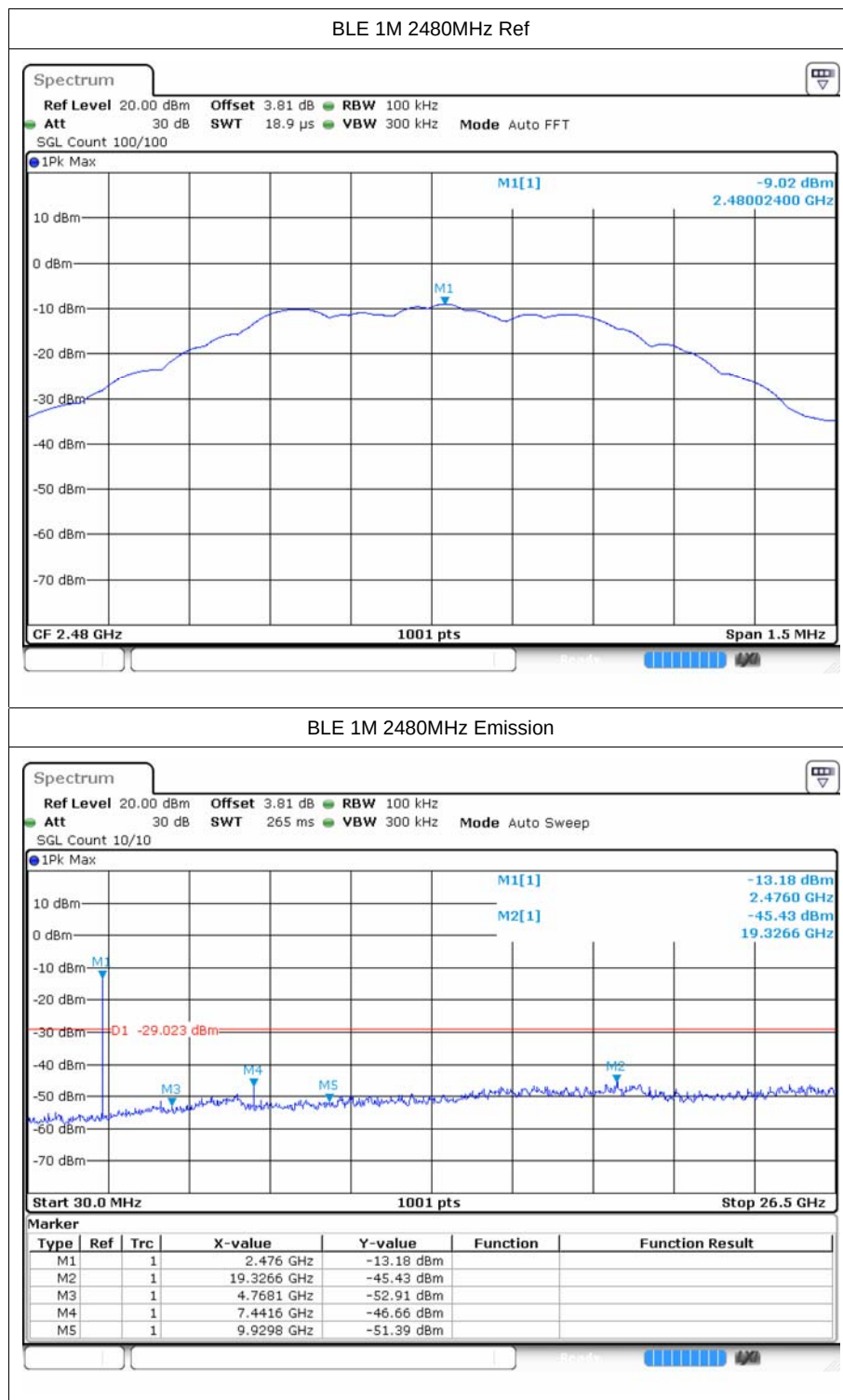
6.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-36.1	-20	Pass
BLE 1M	2440	-36.46	-20	Pass
BLE 1M	2480	-36.41	-20	Pass

6.2 Test Graphs







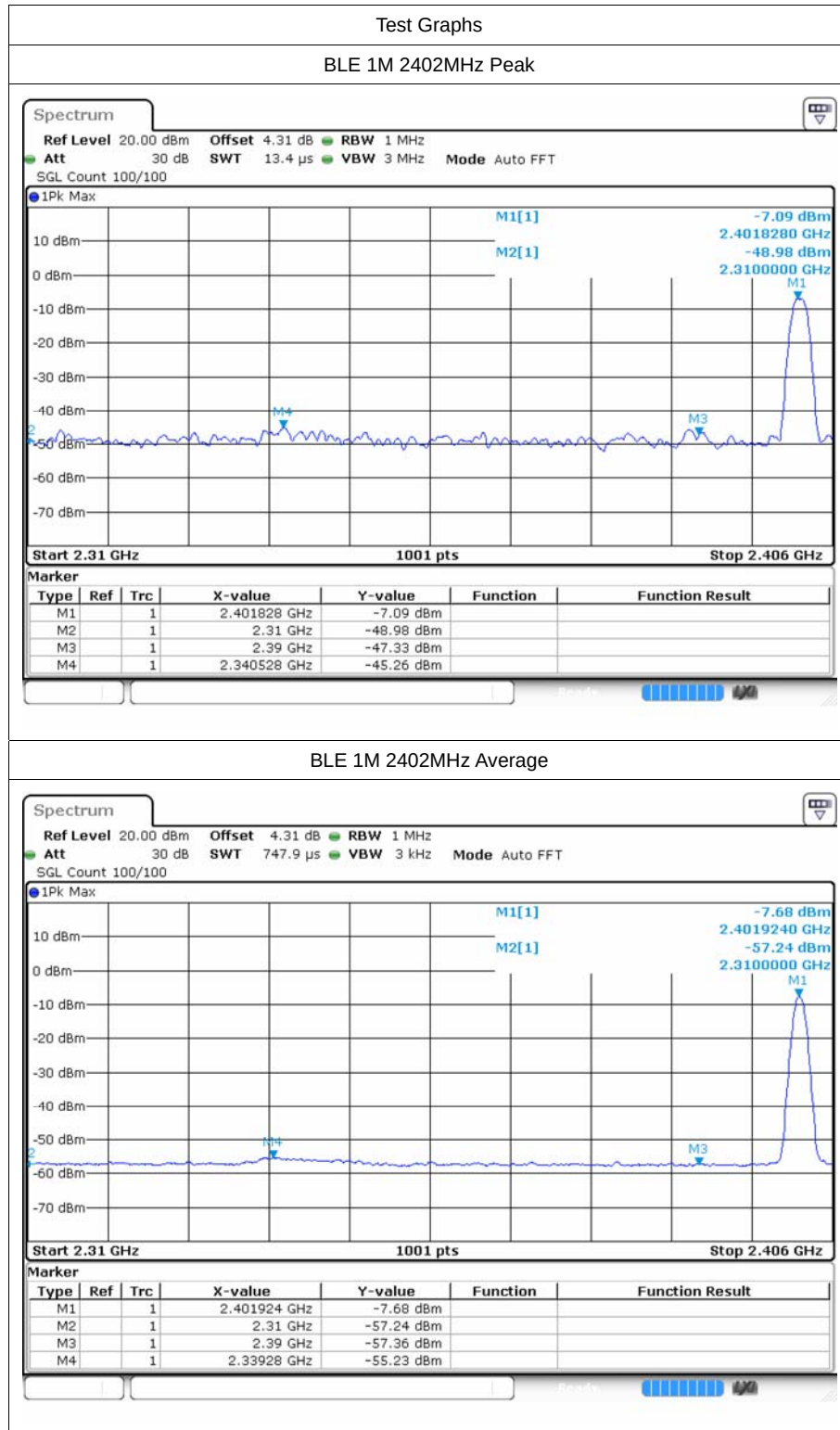


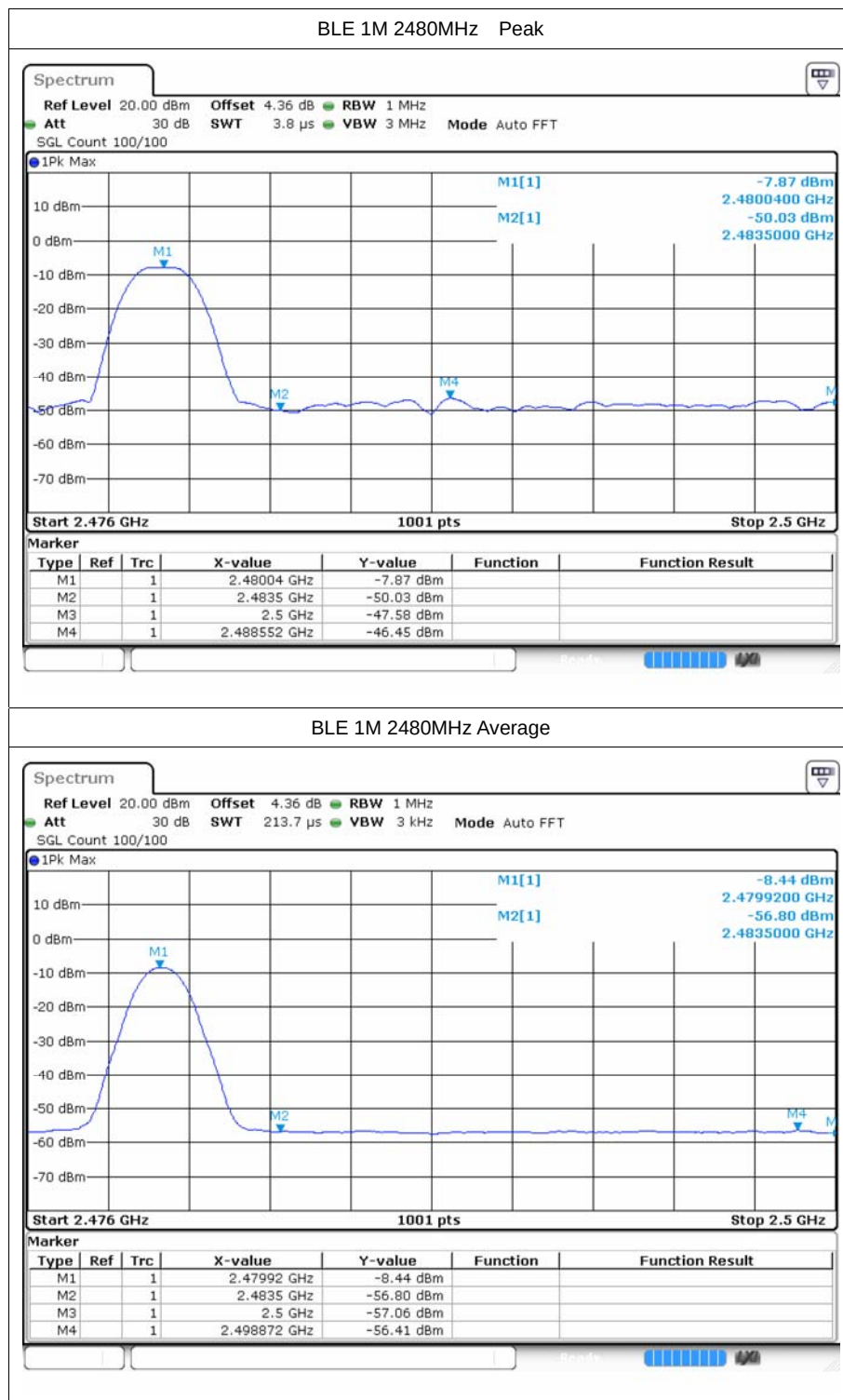
7 Restrict Band

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	-48.97	2	48.29	Peak	74	Pass
BLE 1M	2402	2310	-57.23	2	40.03	Average	54	Pass
BLE 1M	2402	2340.528	-45.25	2	52.01	Peak	74	Pass
BLE 1M	2402	2339.28	-55.22	2	42.04	Average	54	Pass
BLE 1M	2402	2390	-47.32	2	49.94	Peak	74	Pass
BLE 1M	2402	2390	-57.36	2	39.9	Average	54	Pass
BLE 1M	2480	2483.5	-50.04	2	47.22	Peak	74	Pass
BLE 1M	2480	2483.5	-56.76	2	40.5	Average	54	Pass
BLE 1M	2480	2488.552	-46.44	2	50.82	Peak	74	Pass
BLE 1M	2480	2498.872	-56.4	2	40.86	Average	54	Pass
BLE 1M	2480	2500	-47.58	2	49.68	Peak	74	Pass
BLE 1M	2480	2500	-57.06	2	40.2	Average	54	Pass

7.2 Test Graphs





---The End---