



Appendix B

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

Product Name: Electric scooter bluetooth dashboard

Trade Mark: LEFELWEL

Test Model: M365 Pro

Environmental Conditions

Temperature:	20.6° C
Relative Humidity:	52.4%
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

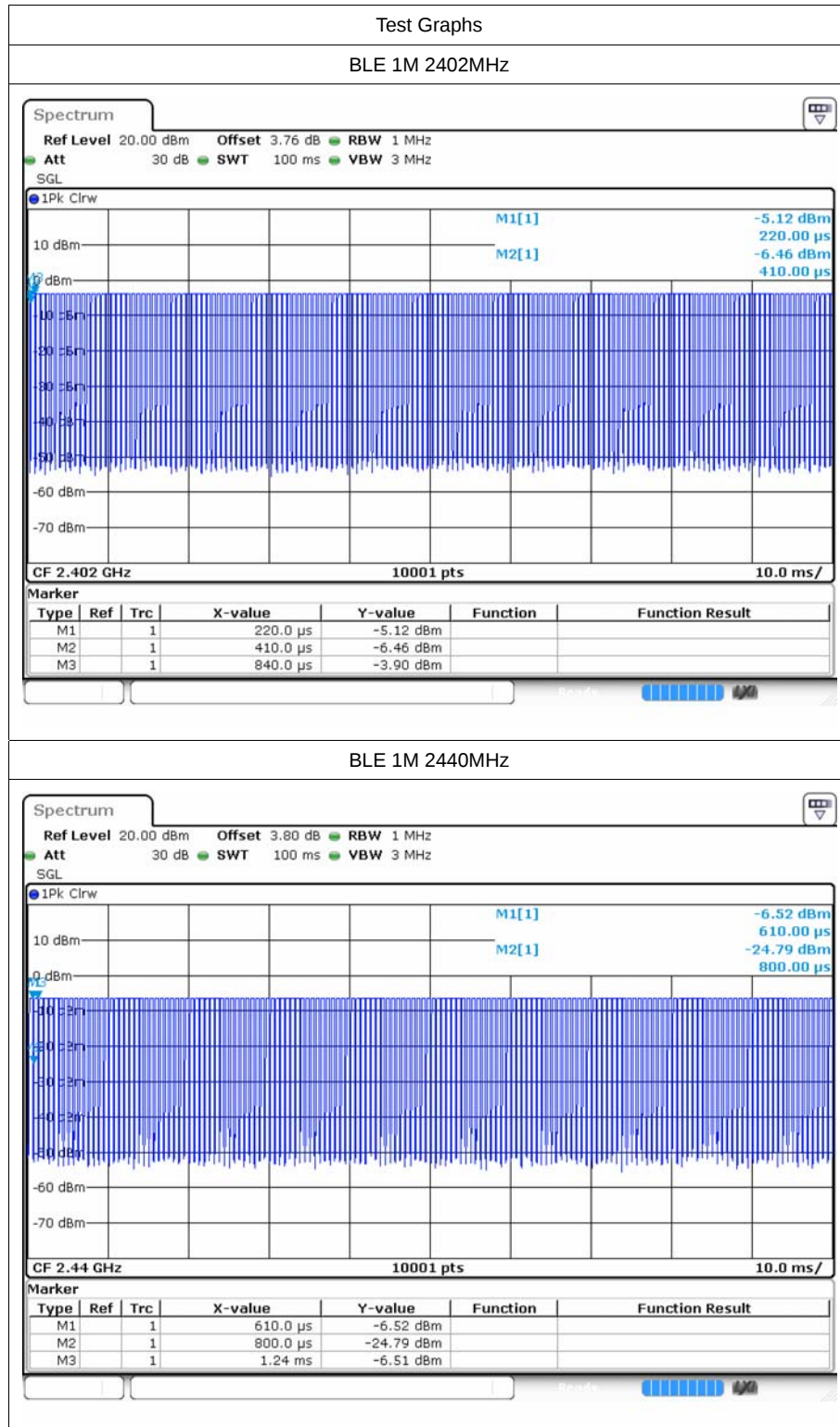


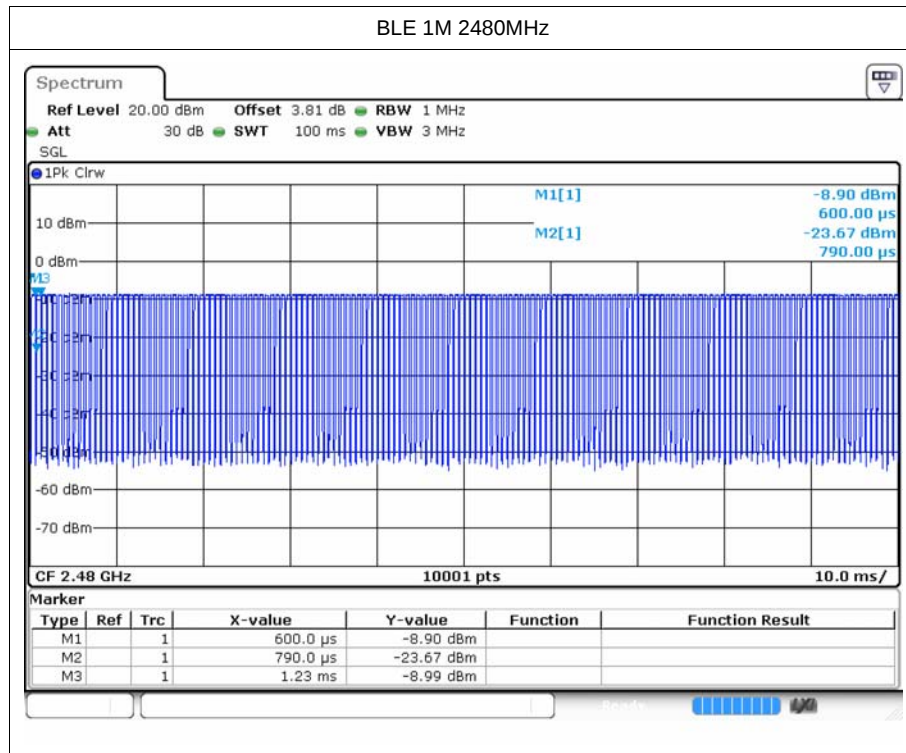
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	1/T (kHz)
BLE 1M	2402	71.2	2.33
BLE 1M	2440	71.19	2.27
BLE 1M	2480	71.19	2.27

1.2 Test Graphs





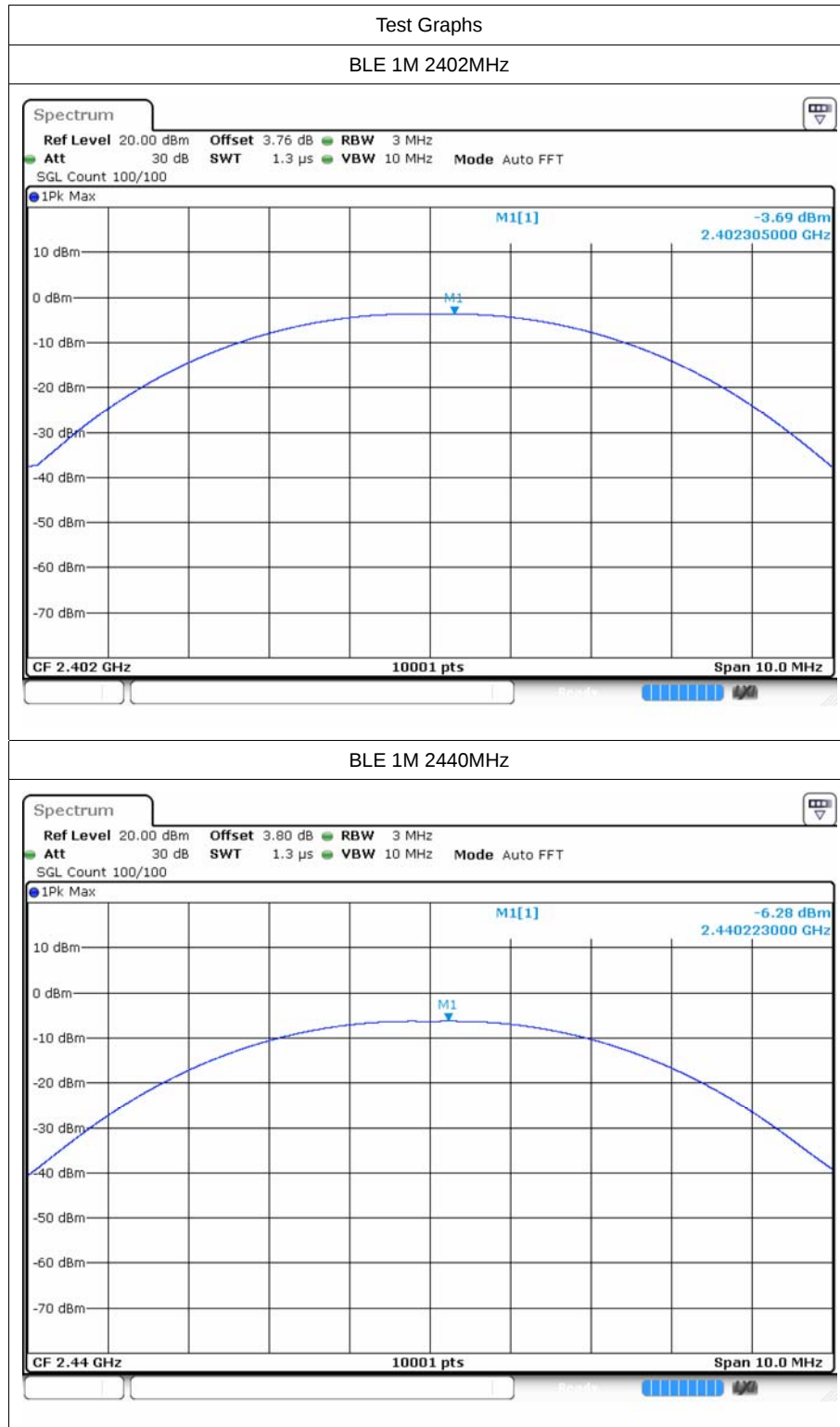


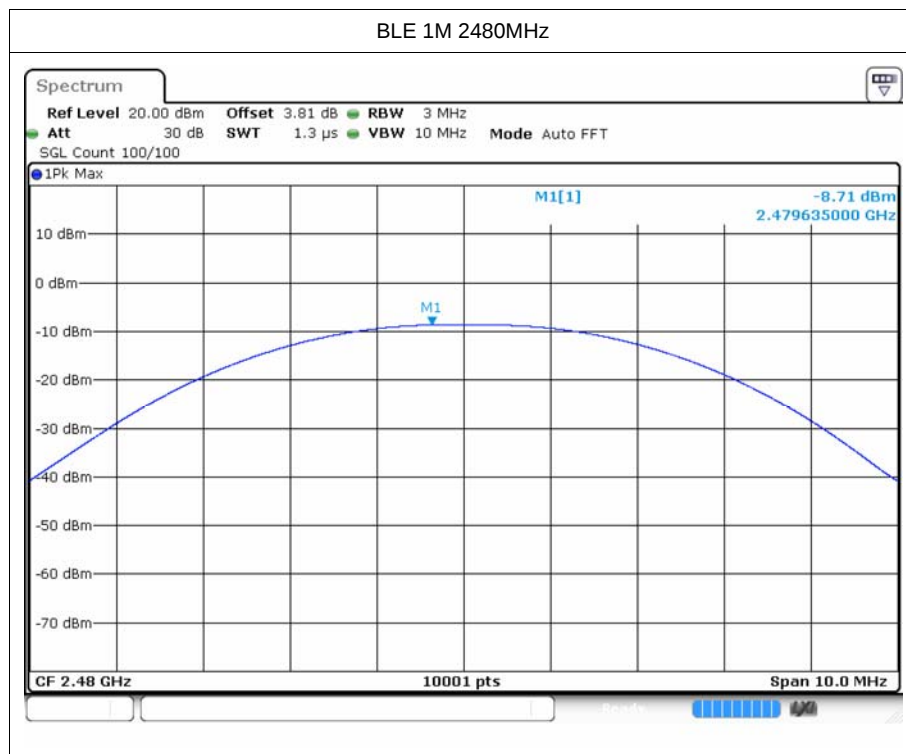
2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	-3.69	30	Pass
BLE 1M	2440	-6.28	30	Pass
BLE 1M	2480	-8.71	30	Pass

2.2 Test Graphs





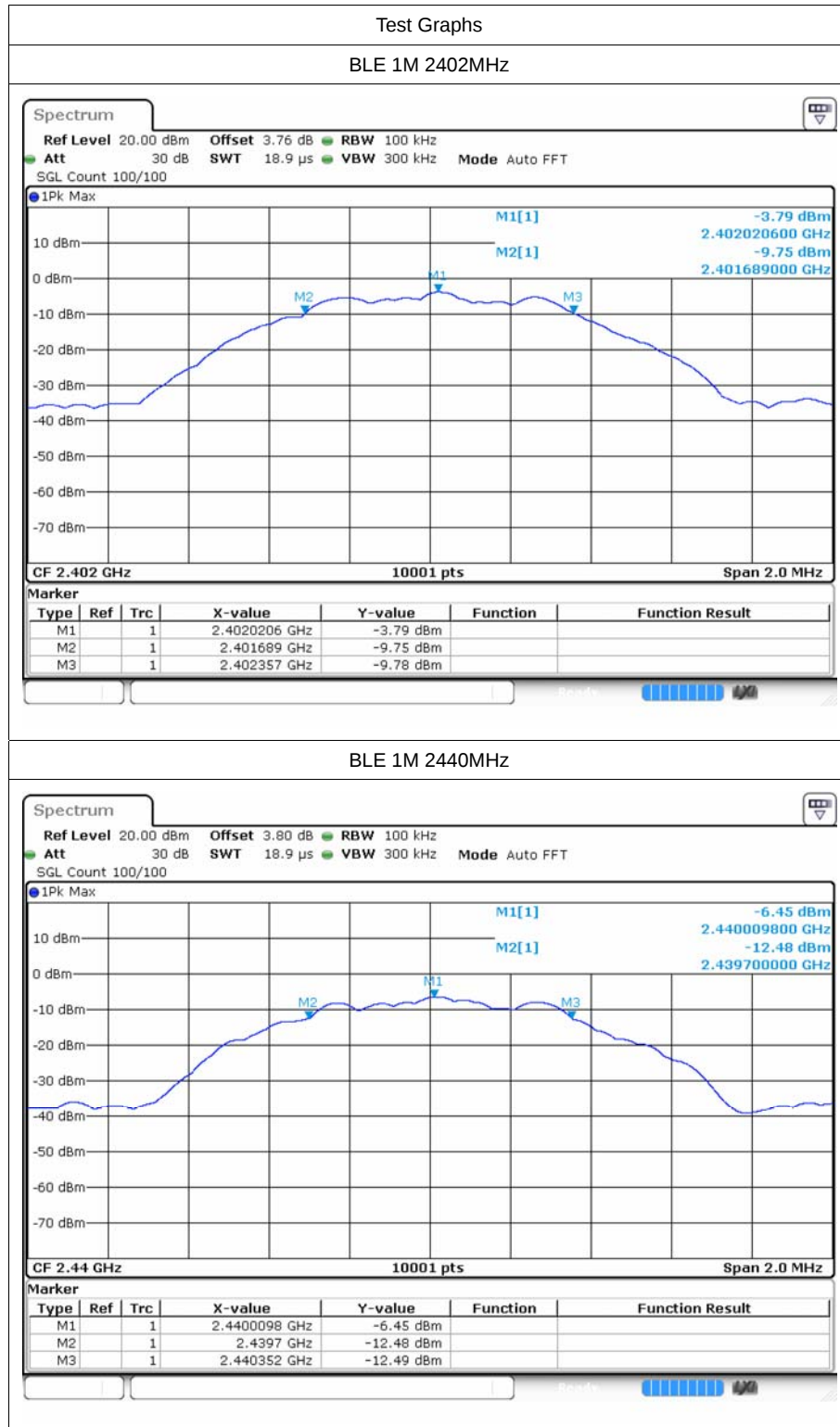


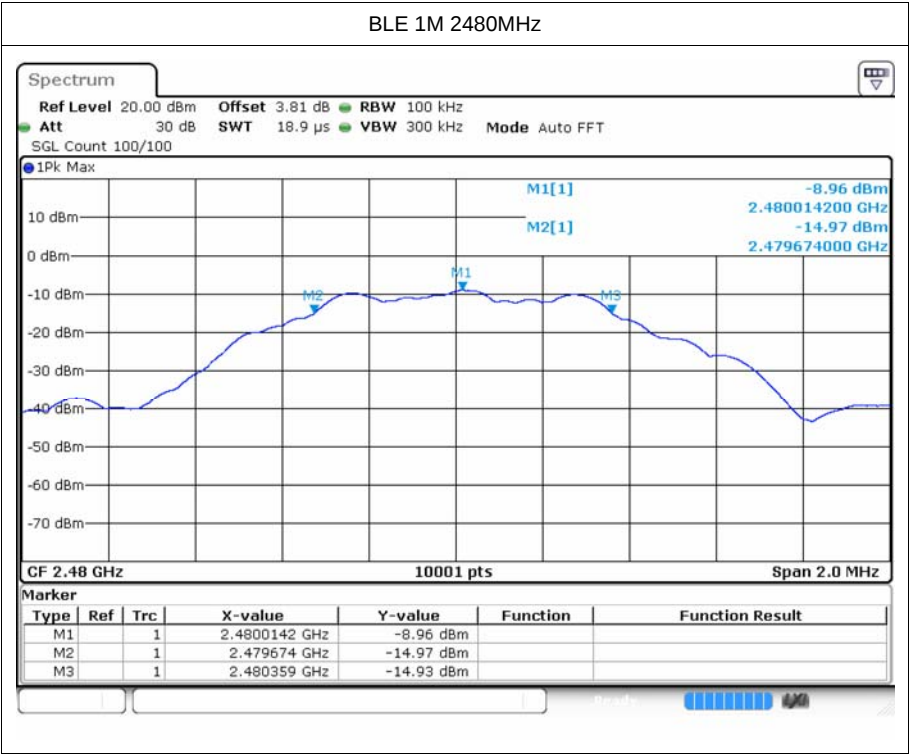
3 -6dB Bandwidth

3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.668	0.5	Pass
BLE 1M	2440	0.651	0.5	Pass
BLE 1M	2480	0.685	0.5	Pass

3.2 Test Graphs



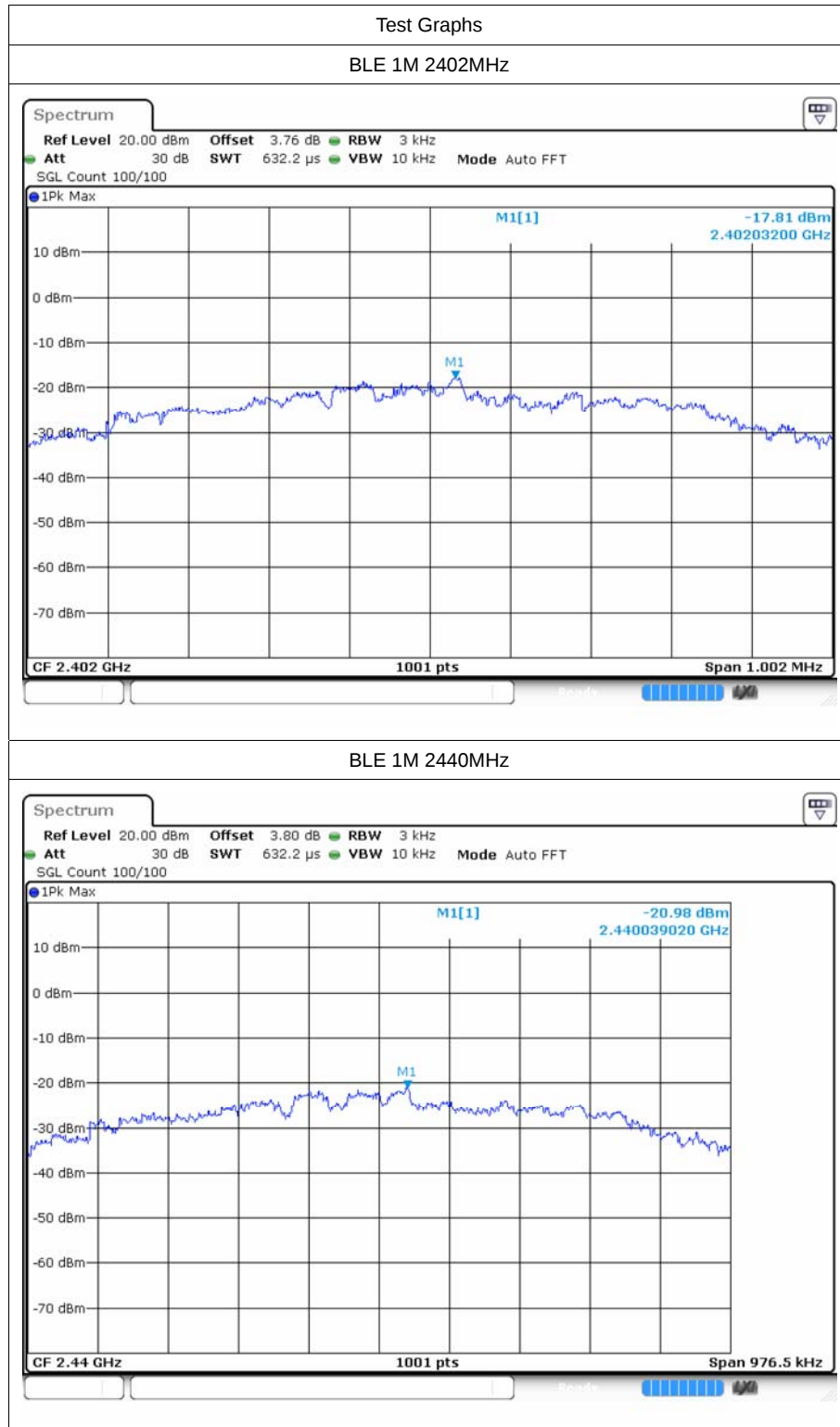


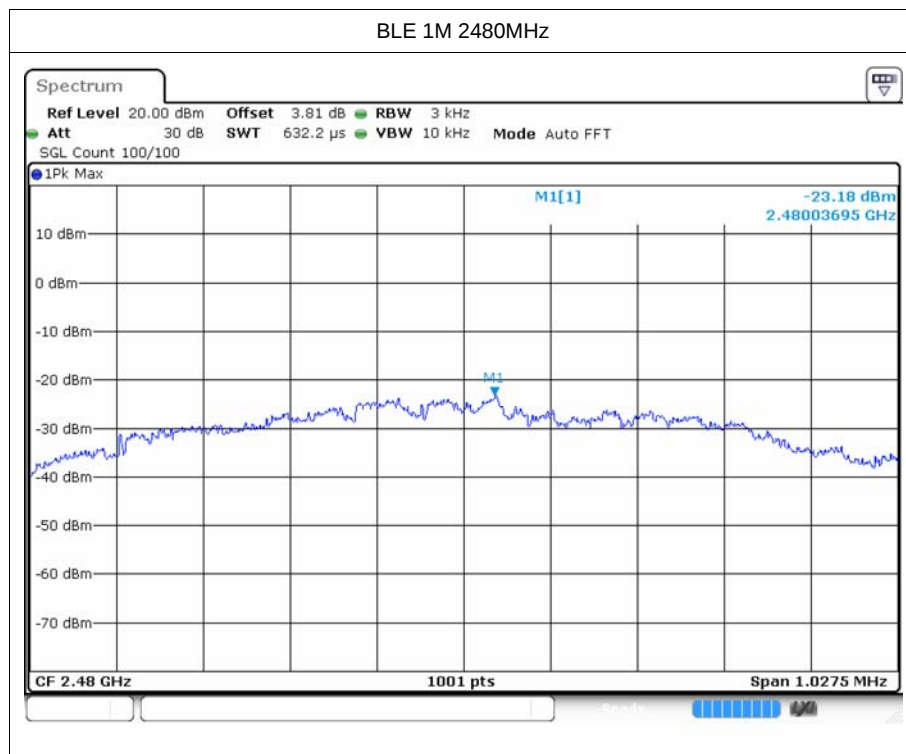
4 Maximum Power Spectral Density Level

4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-17.81	≤ 8	Pass
BLE 1M	2440	-20.98	≤ 8	Pass
BLE 1M	2480	-23.18	≤ 8	Pass

4.2 Test Graphs





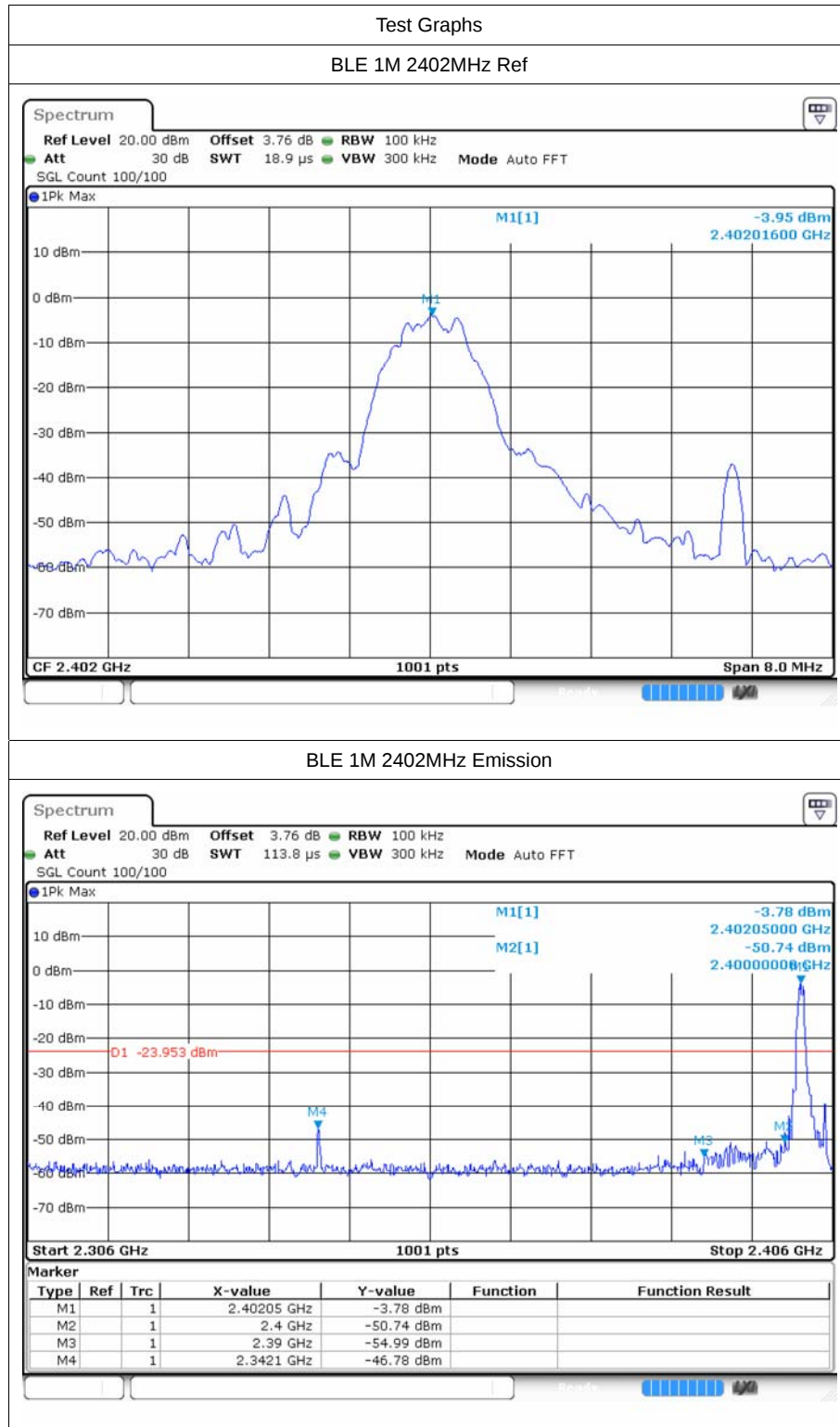


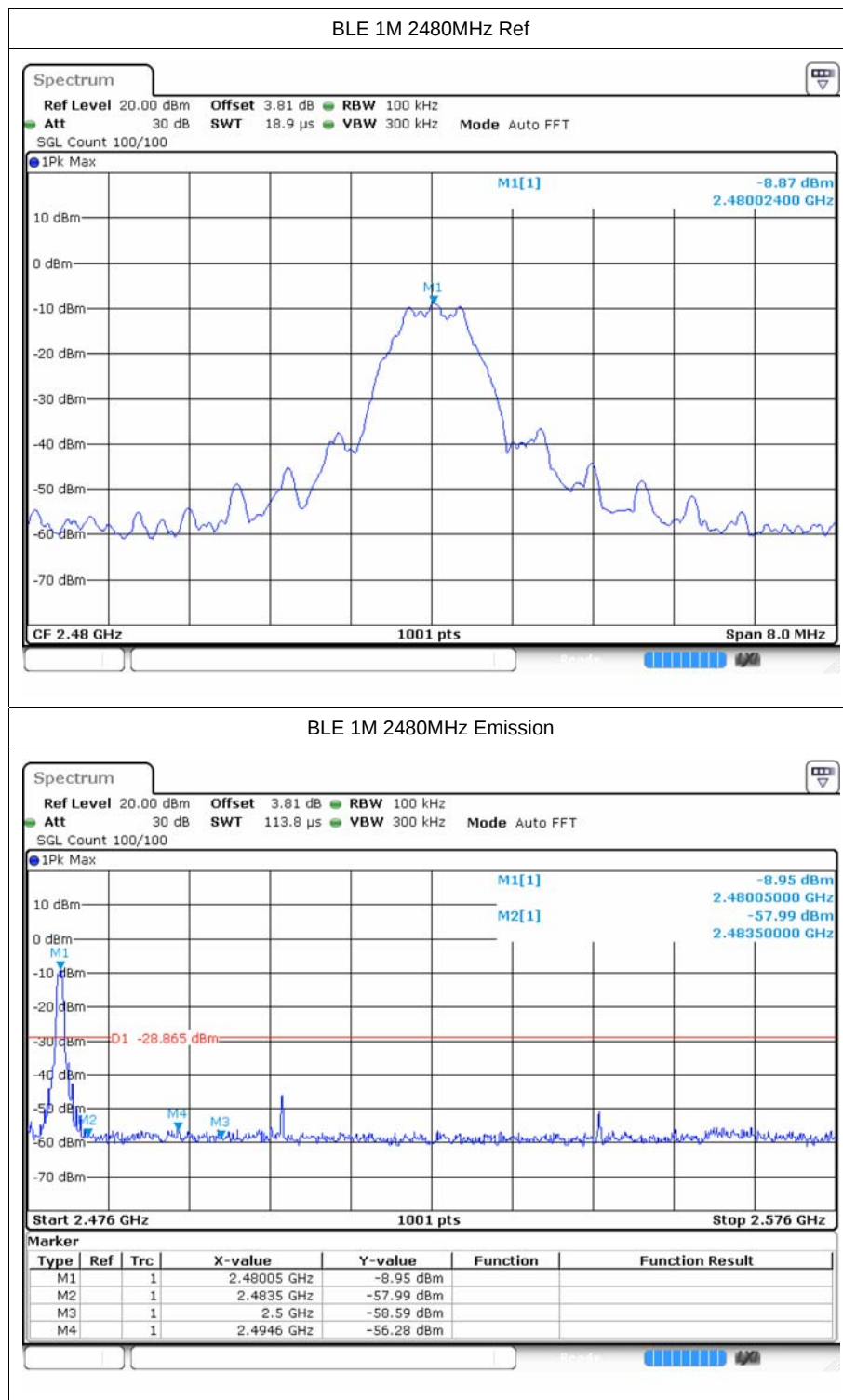
5 Band Edge

5.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-42.83	-20	Pass
BLE 1M	2480	-47.4	-20	Pass

5.2 Test Graphs





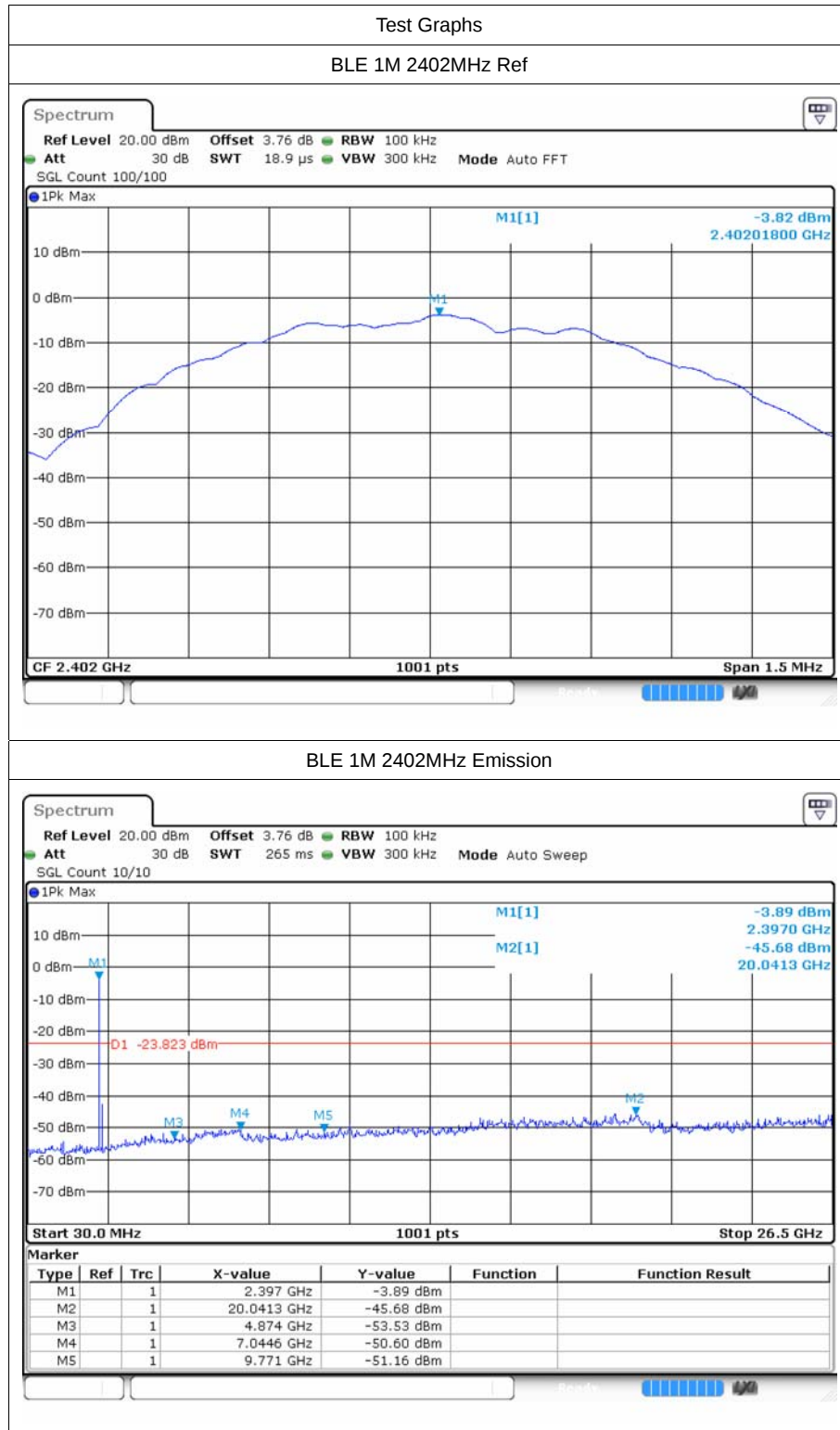


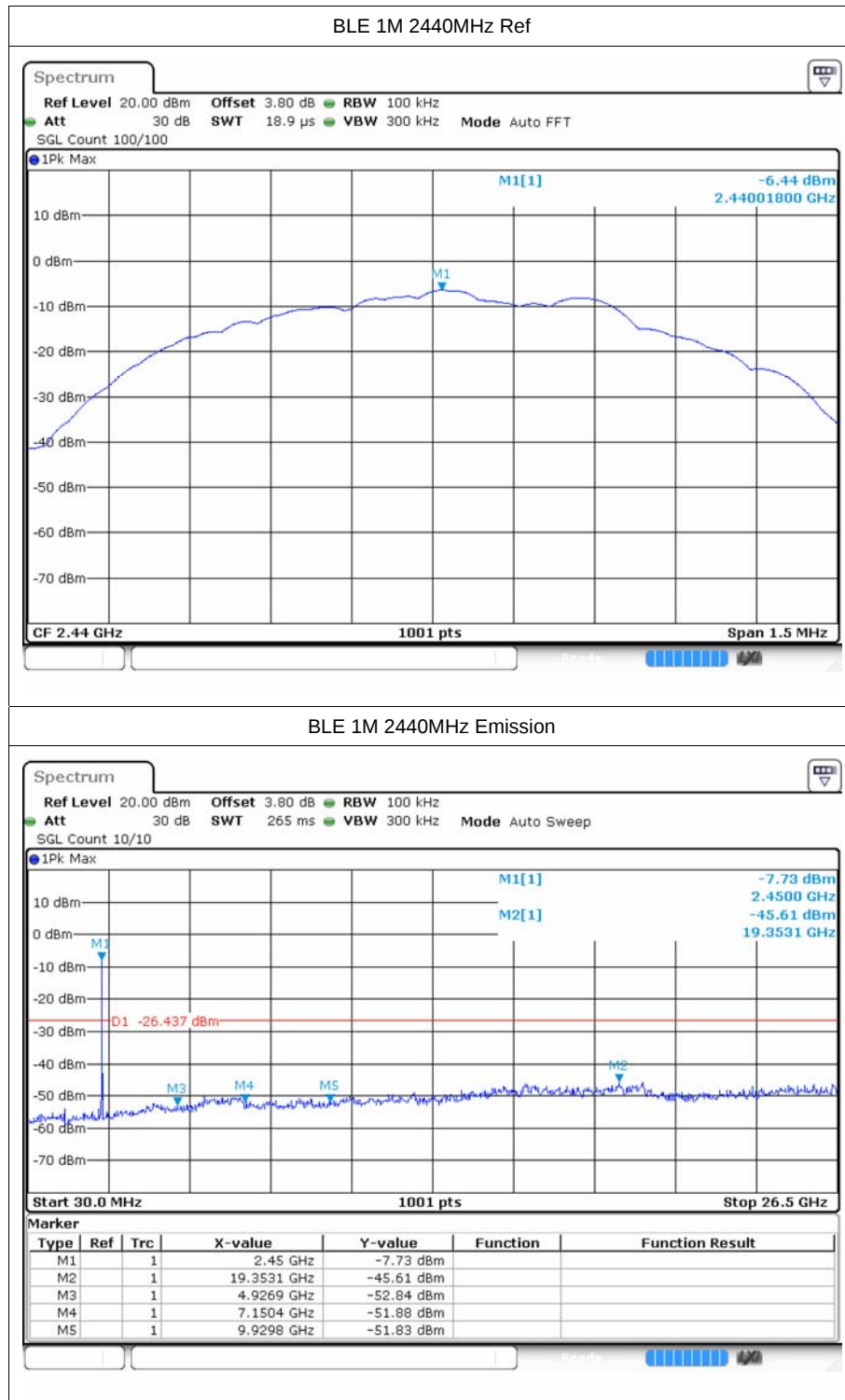
6 Conducted RF Spurious Emission

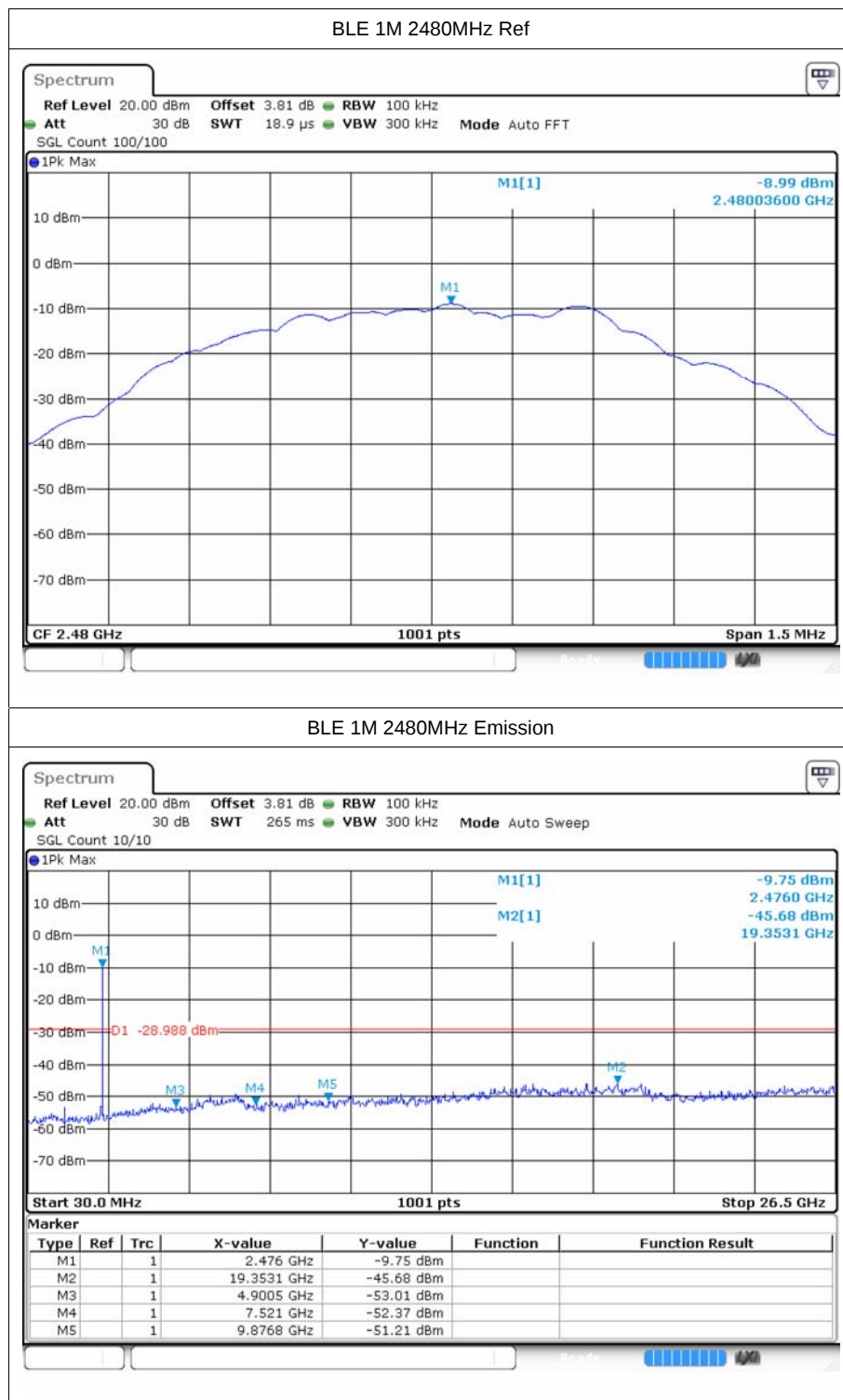
6.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-41.85	-20	Pass
BLE 1M	2440	-39.17	-20	Pass
BLE 1M	2480	-36.69	-20	Pass

6.2 Test Graphs







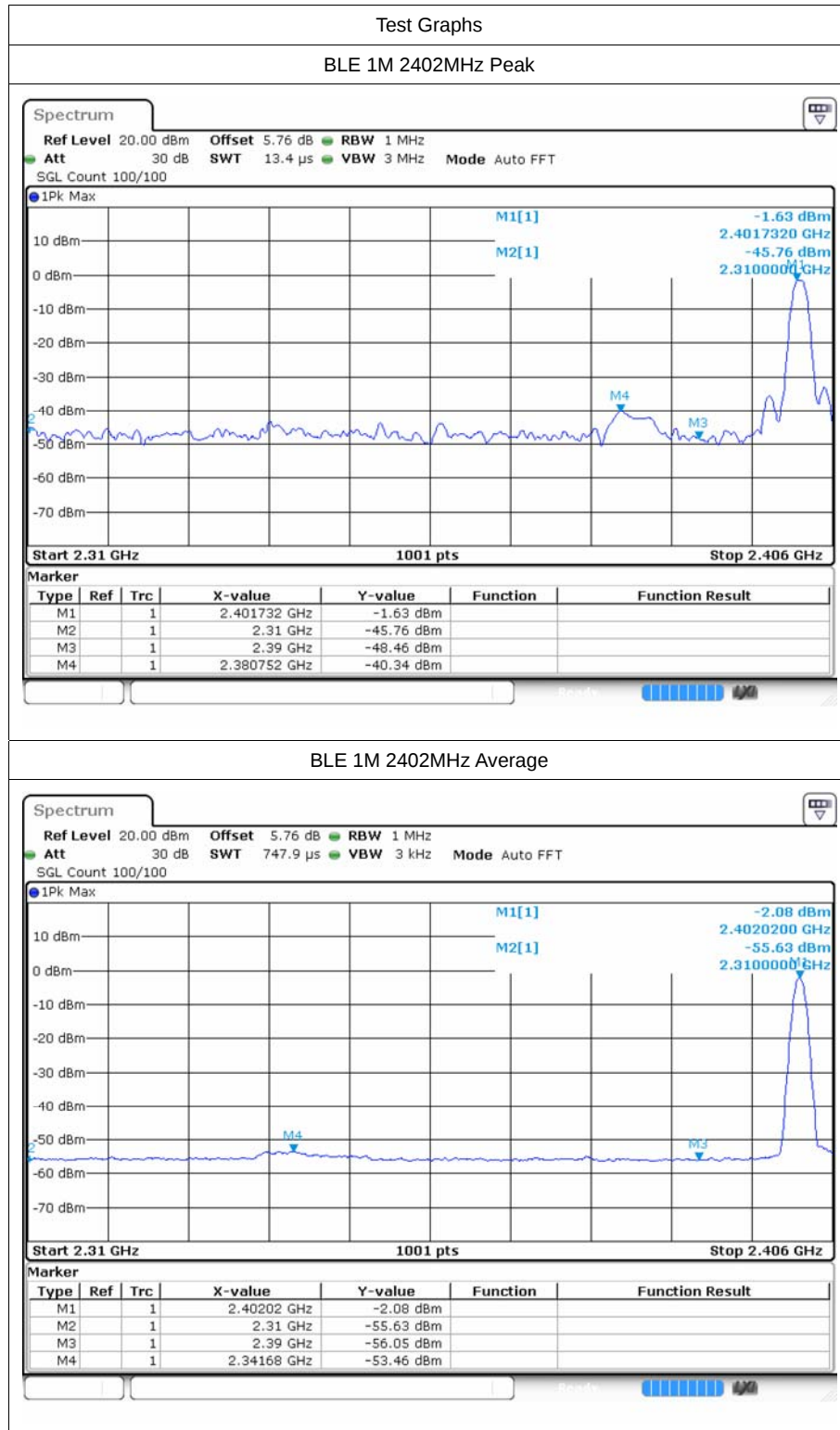


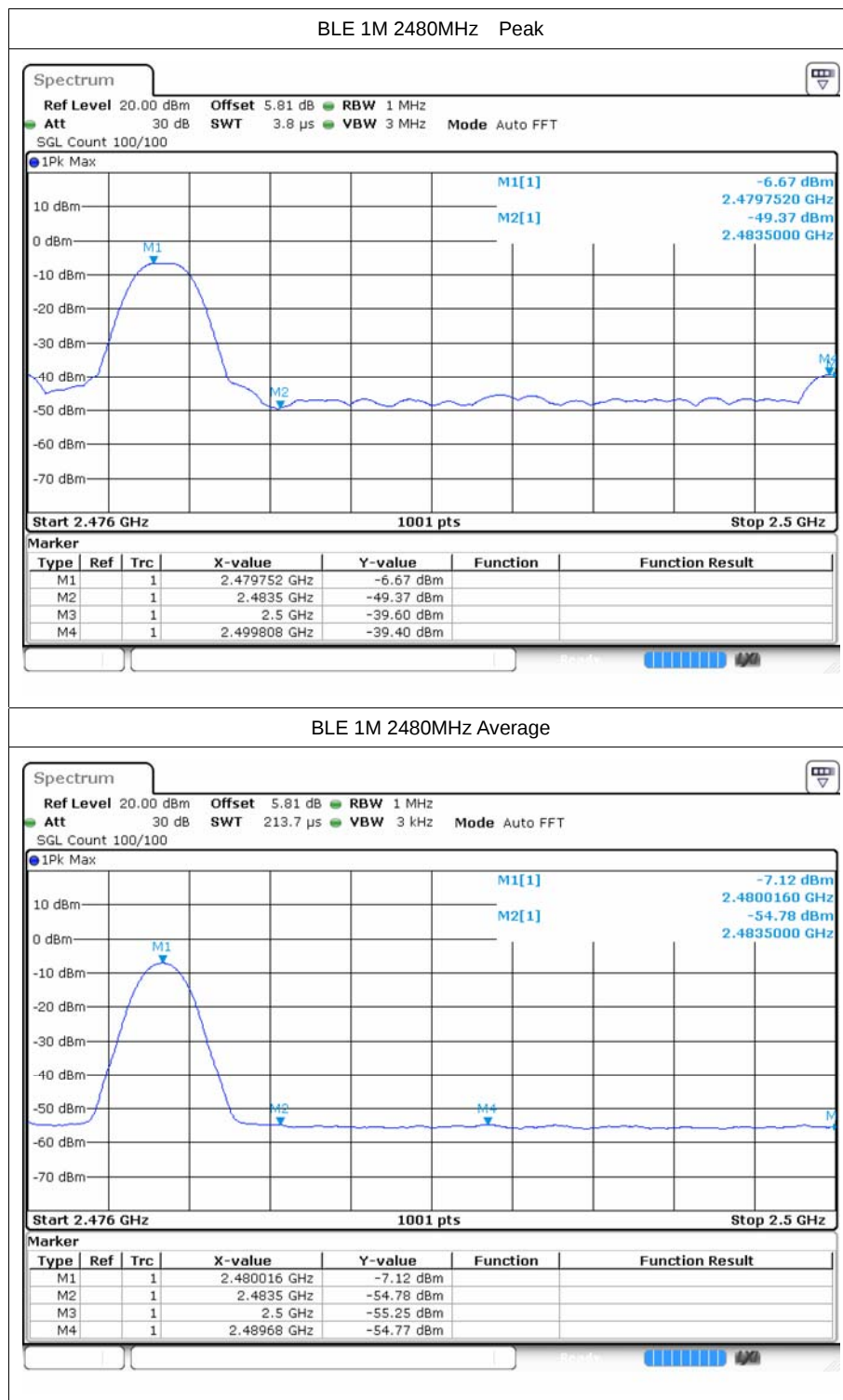
7 Restrict Band

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	-45.76	2	51.5	Peak	74	Pass
BLE 1M	2402	2310	-55.63	2	41.63	Average	54	Pass
BLE 1M	2402	2380.752	-40.33	2	56.93	Peak	74	Pass
BLE 1M	2402	2341.68	-53.46	2	43.8	Average	54	Pass
BLE 1M	2402	2390	-48.45	2	48.81	Peak	74	Pass
BLE 1M	2402	2390	-56.04	2	41.22	Average	54	Pass
BLE 1M	2480	2483.5	-49.27	2	47.99	Peak	74	Pass
BLE 1M	2480	2483.5	-54.81	2	42.45	Average	54	Pass
BLE 1M	2480	2499.808	-39.39	2	57.87	Peak	74	Pass
BLE 1M	2480	2489.68	-54.76	2	42.5	Average	54	Pass
BLE 1M	2480	2500	-39.59	2	57.67	Peak	74	Pass
BLE 1M	2480	2500	-55.24	2	42.02	Average	54	Pass

7.2 Test Graphs





---The End---