



Appendix B

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

Product Name: Point of Sale Terminal

Trade Mark:



Test Model: MP45

Environmental Conditions

Temperature:	21.6° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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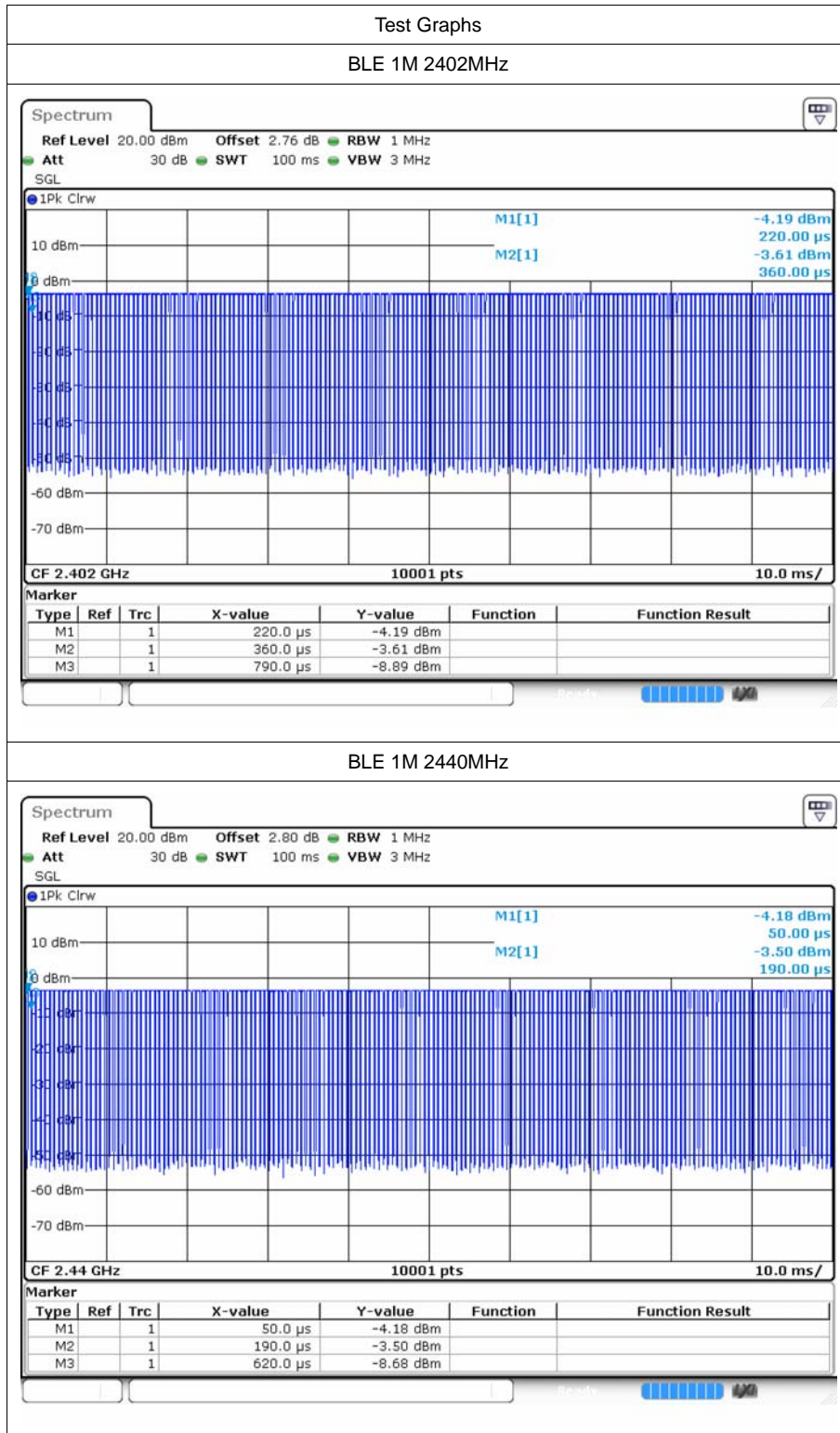


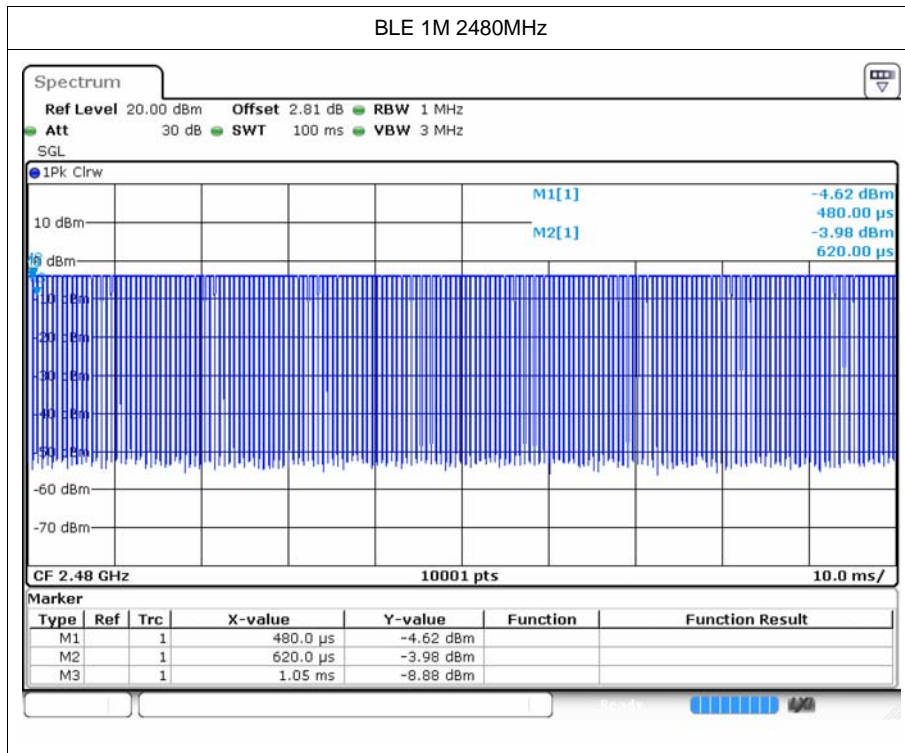
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	1/T (kHz)
BLE 1M	2402	78.25	2.33
BLE 1M	2440	78.17	2.33
BLE 1M	2480	78.24	2.33

1.2 Test Graphs





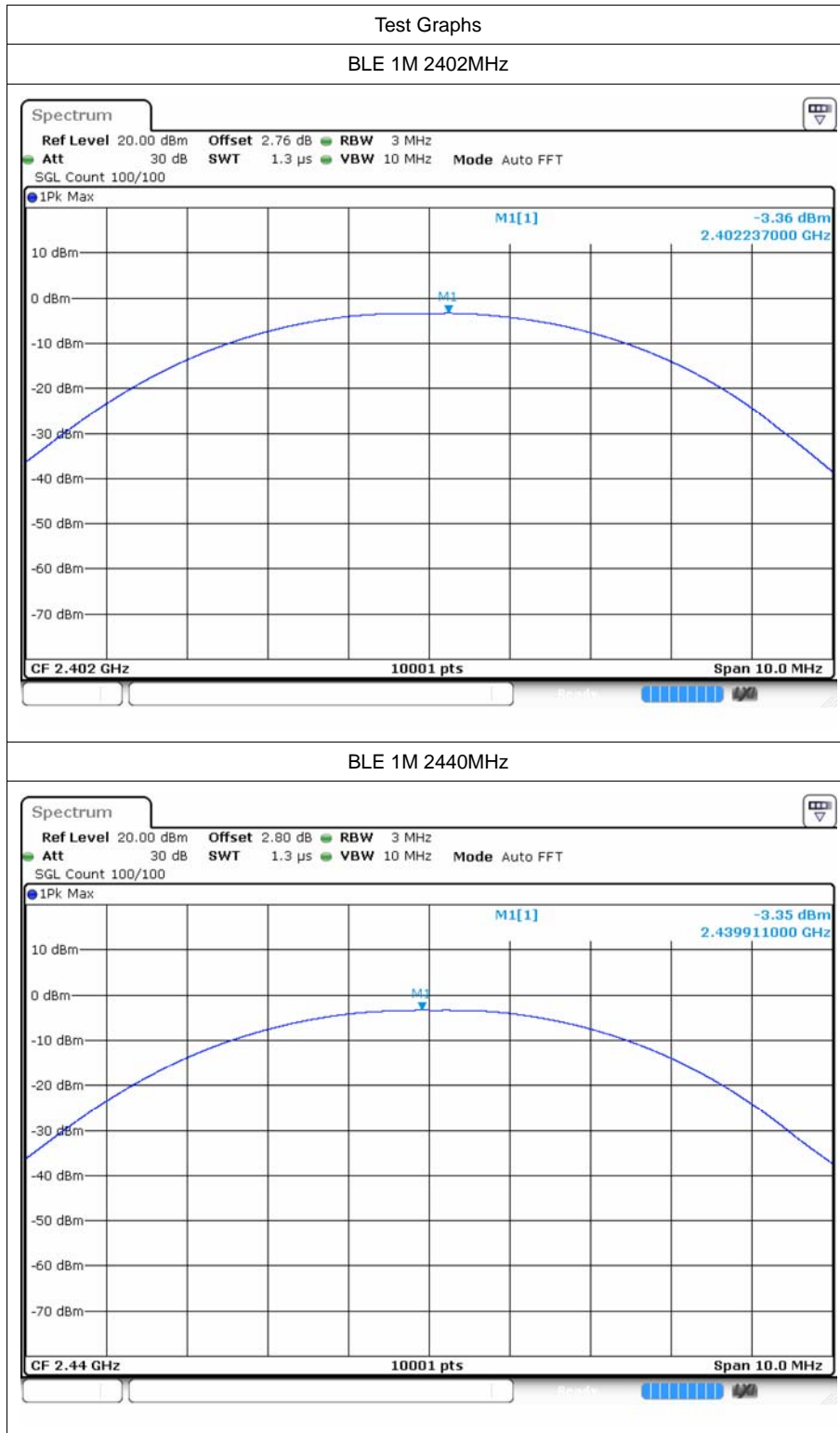


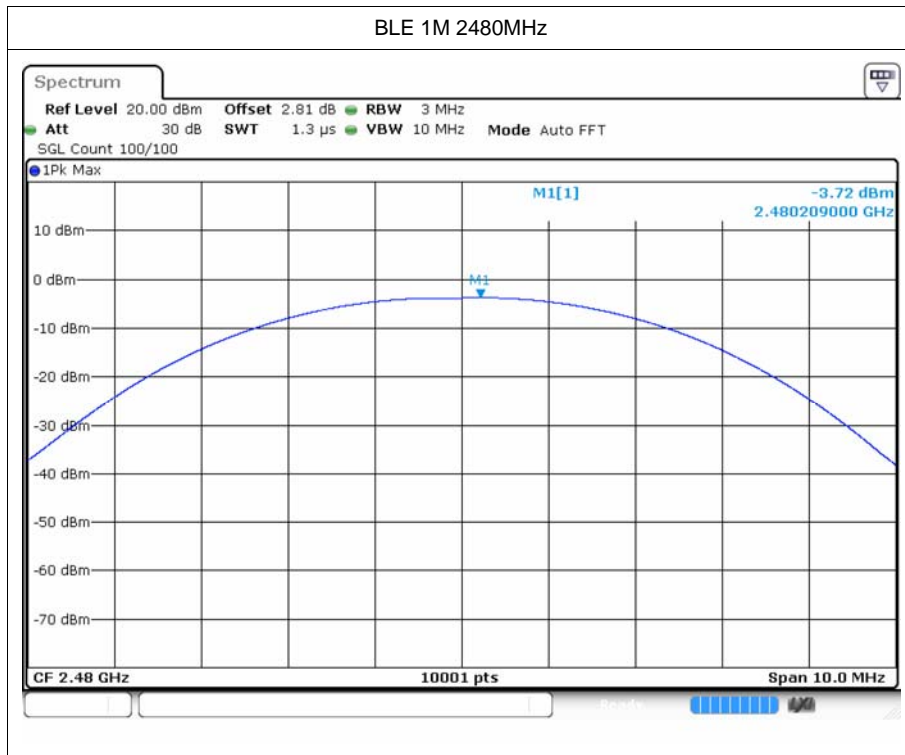
2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	-3.36	30	Pass
BLE 1M	2440	-3.35	30	Pass
BLE 1M	2480	-3.72	30	Pass

2.2 Test Graphs





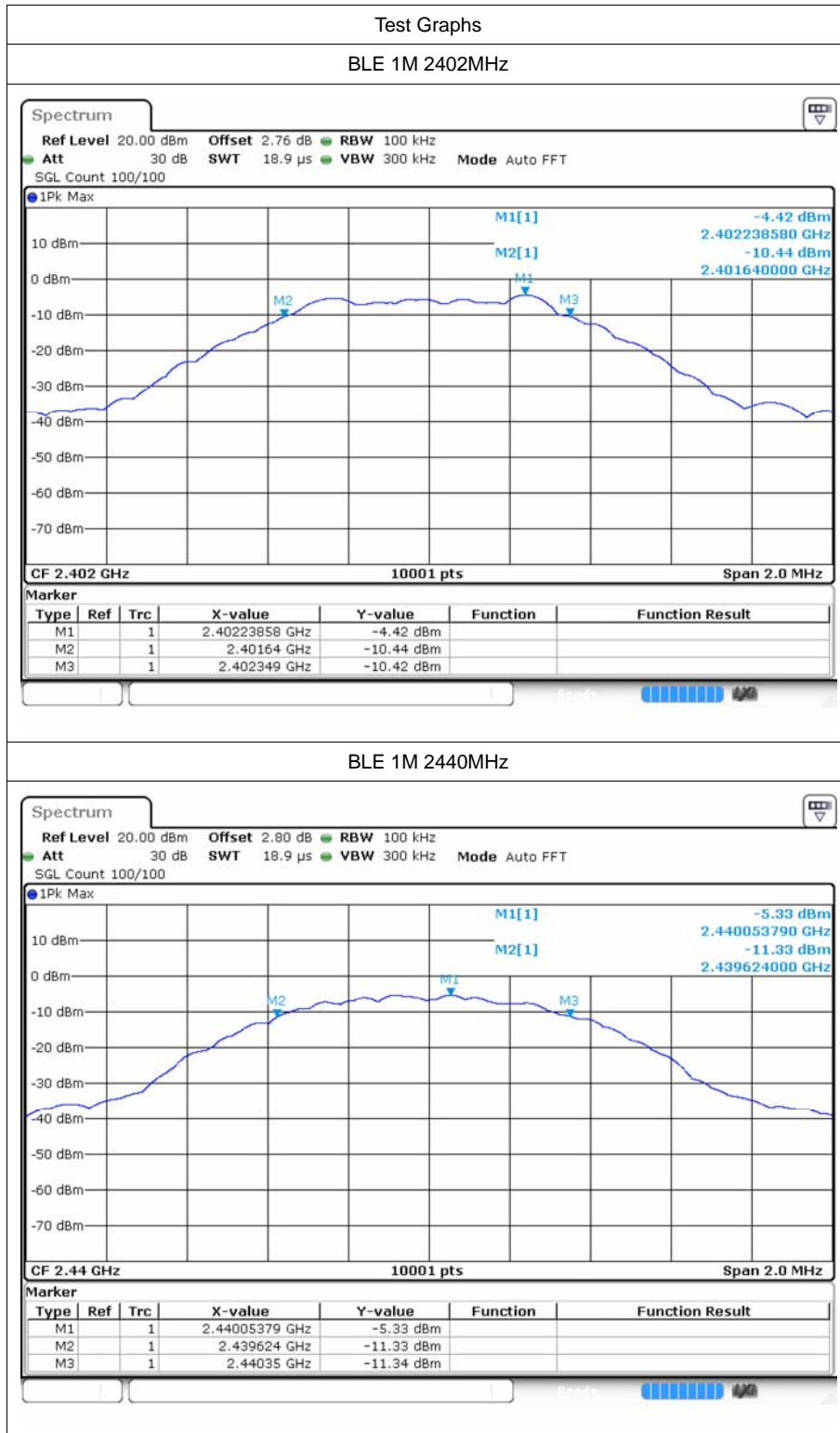


3 -6dB Bandwidth

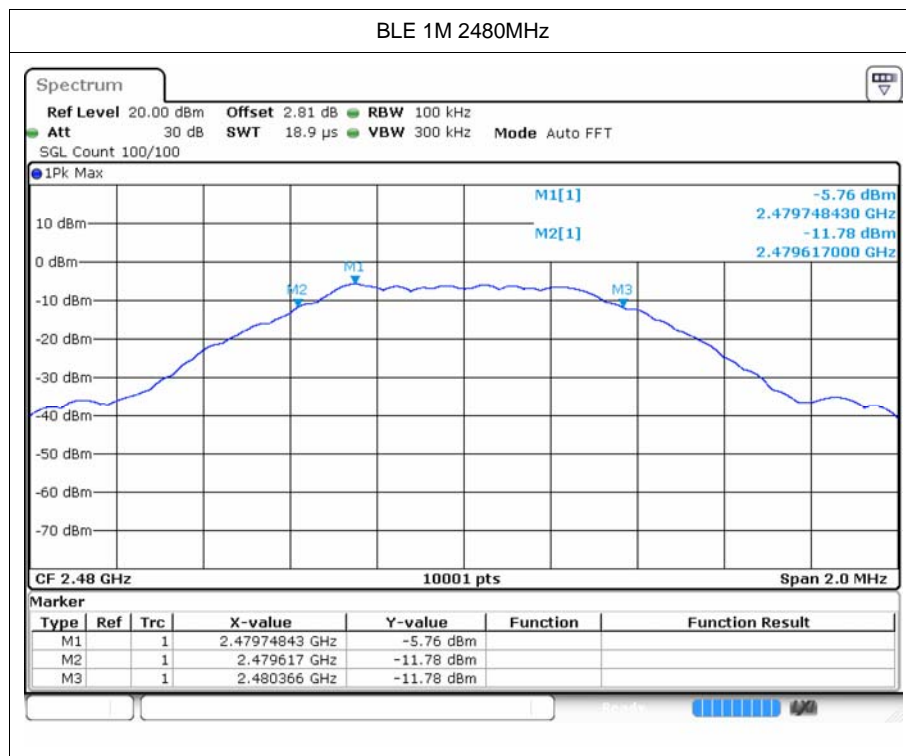
3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.709	0.5	Pass
BLE 1M	2440	0.726	0.5	Pass
BLE 1M	2480	0.748	0.5	Pass

3.2 Test Graphs



BLE 1M 2440MHz



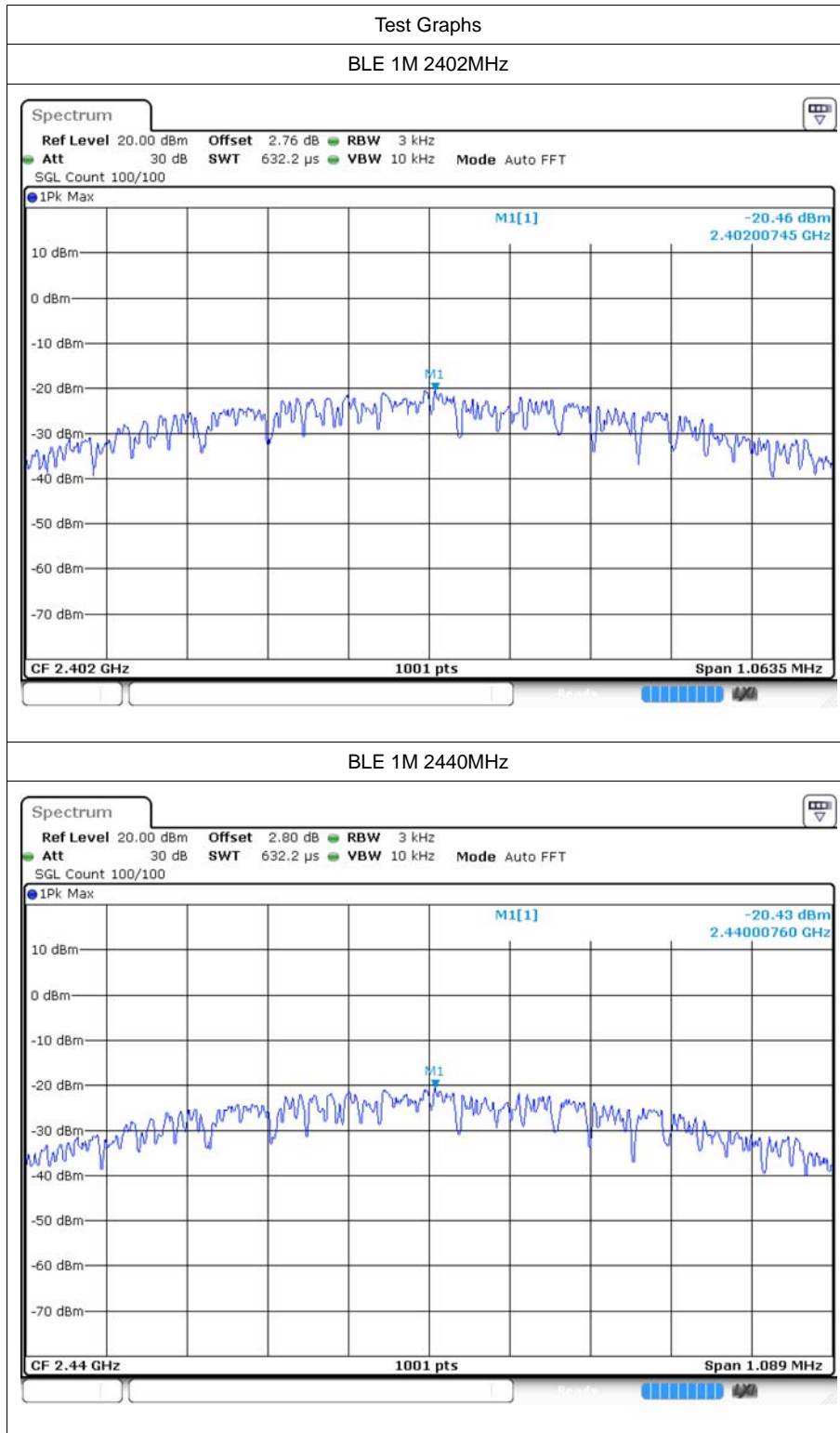


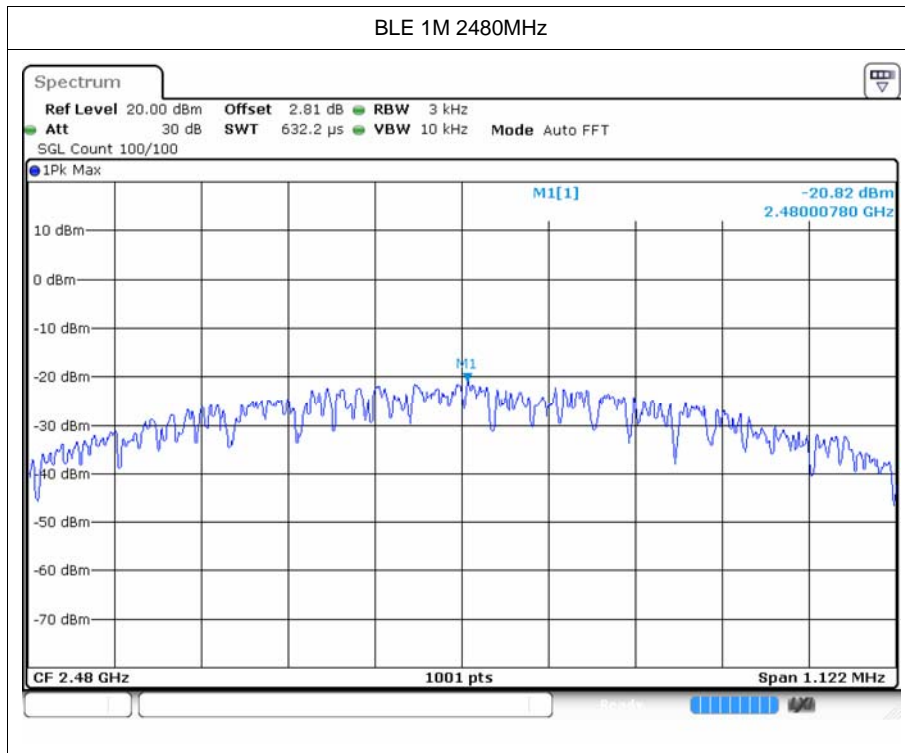
4 Maximum Power Spectral Density Level

4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-20.46	≤8	Pass
BLE 1M	2440	-20.43	≤8	Pass
BLE 1M	2480	-20.82	≤8	Pass

4.2 Test Graphs





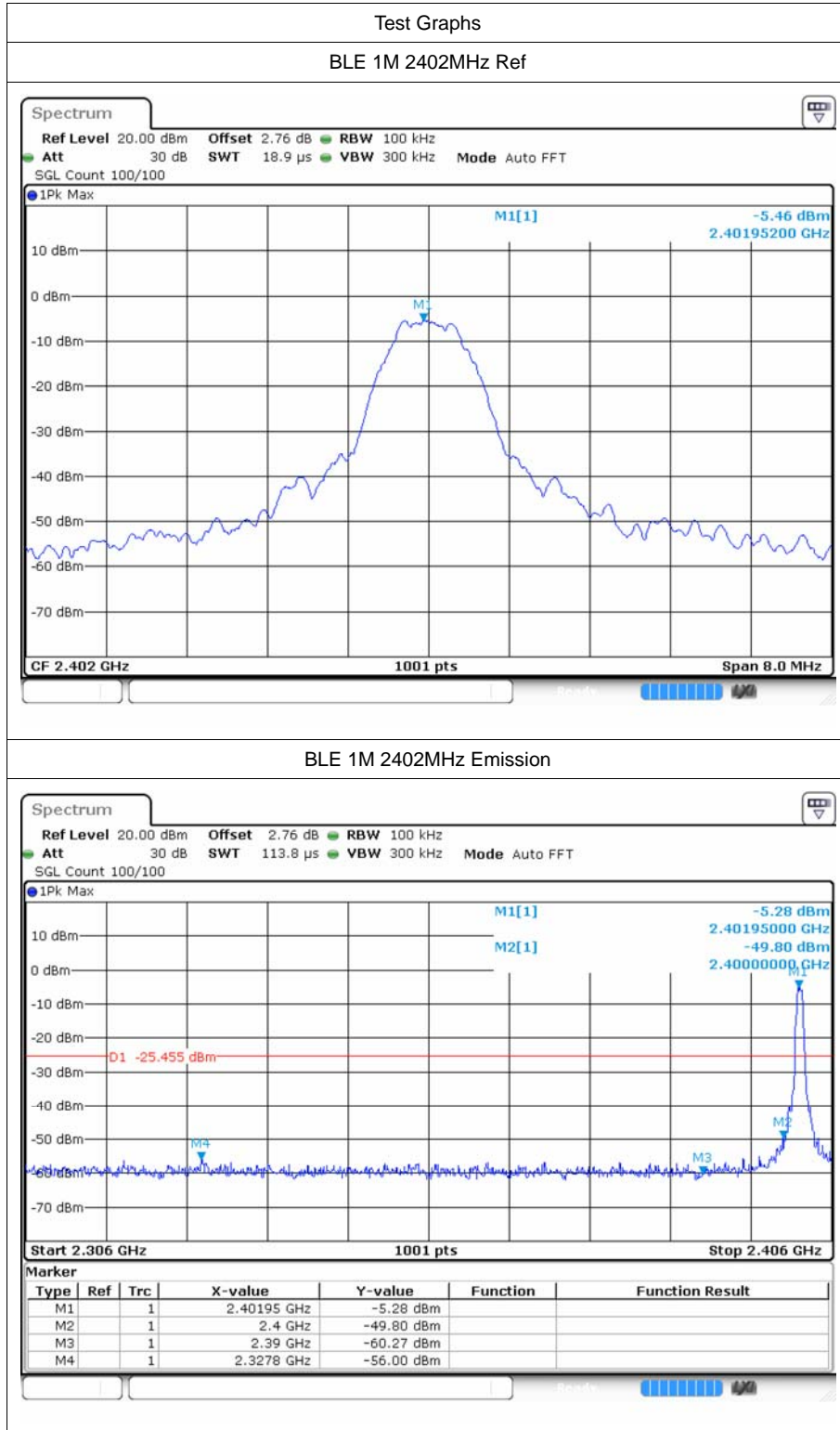


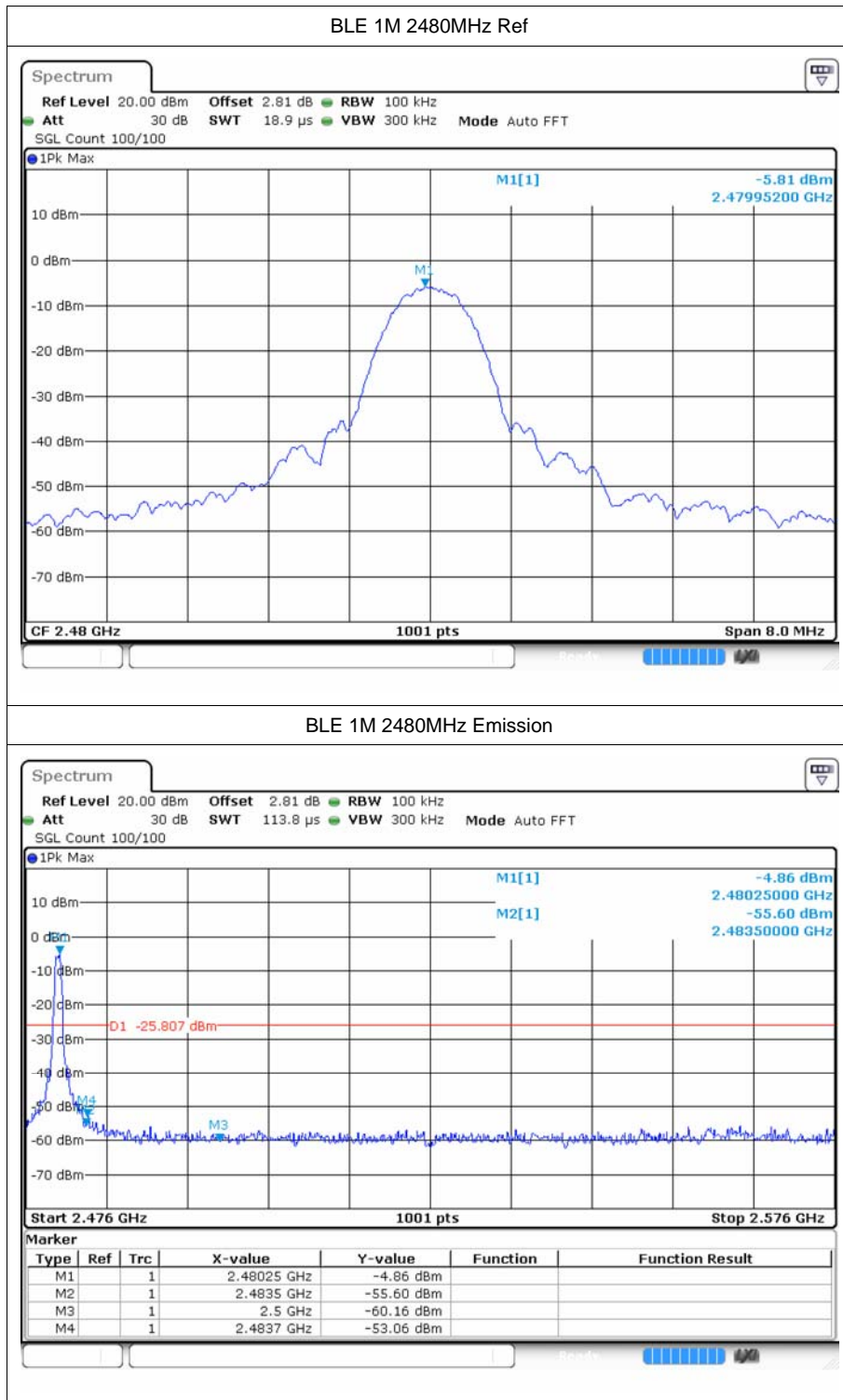
5 Band Edge

5.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-50.53	-20	Pass
BLE 1M	2480	-47.25	-20	Pass

5.2 Test Graphs





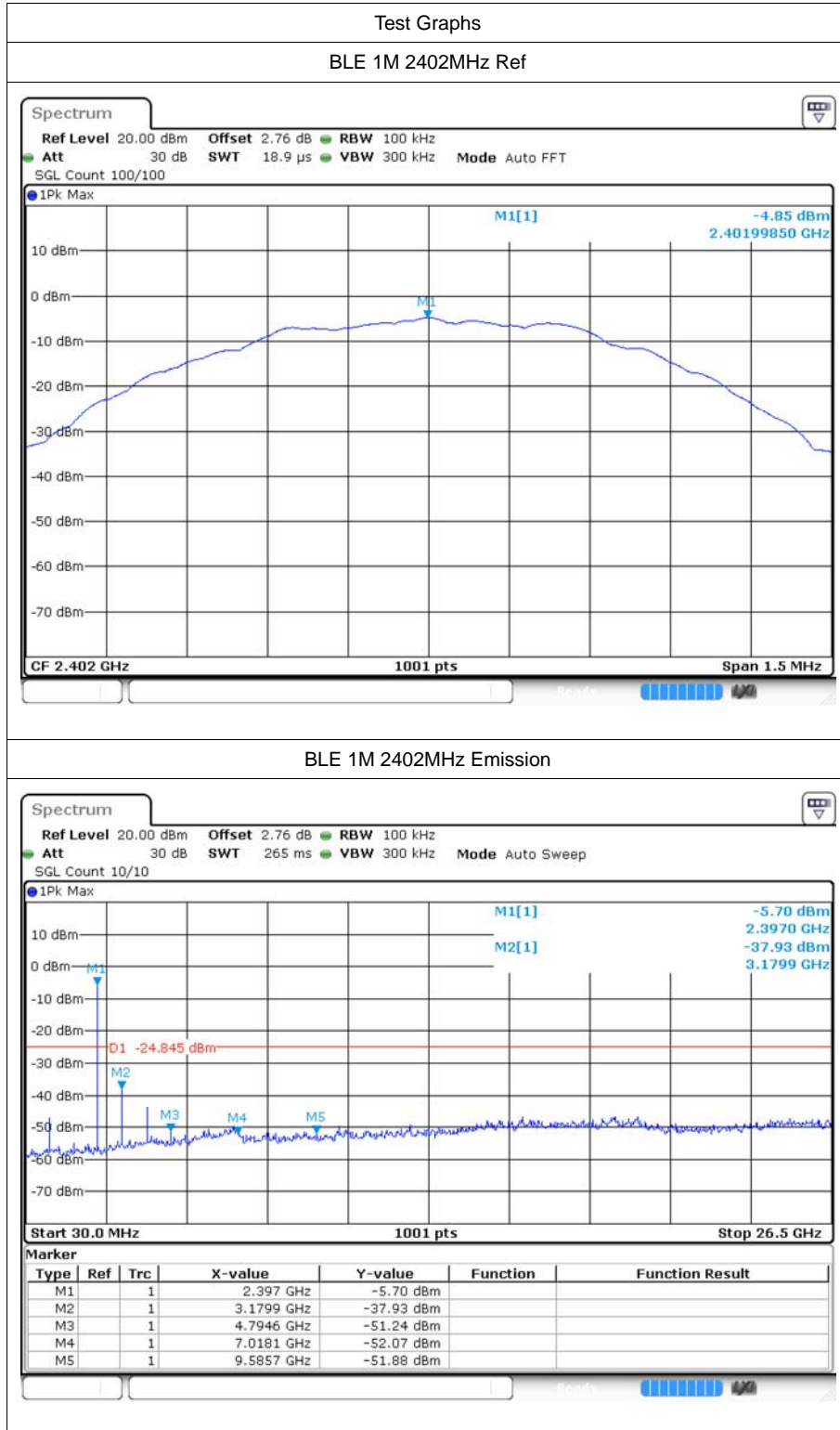


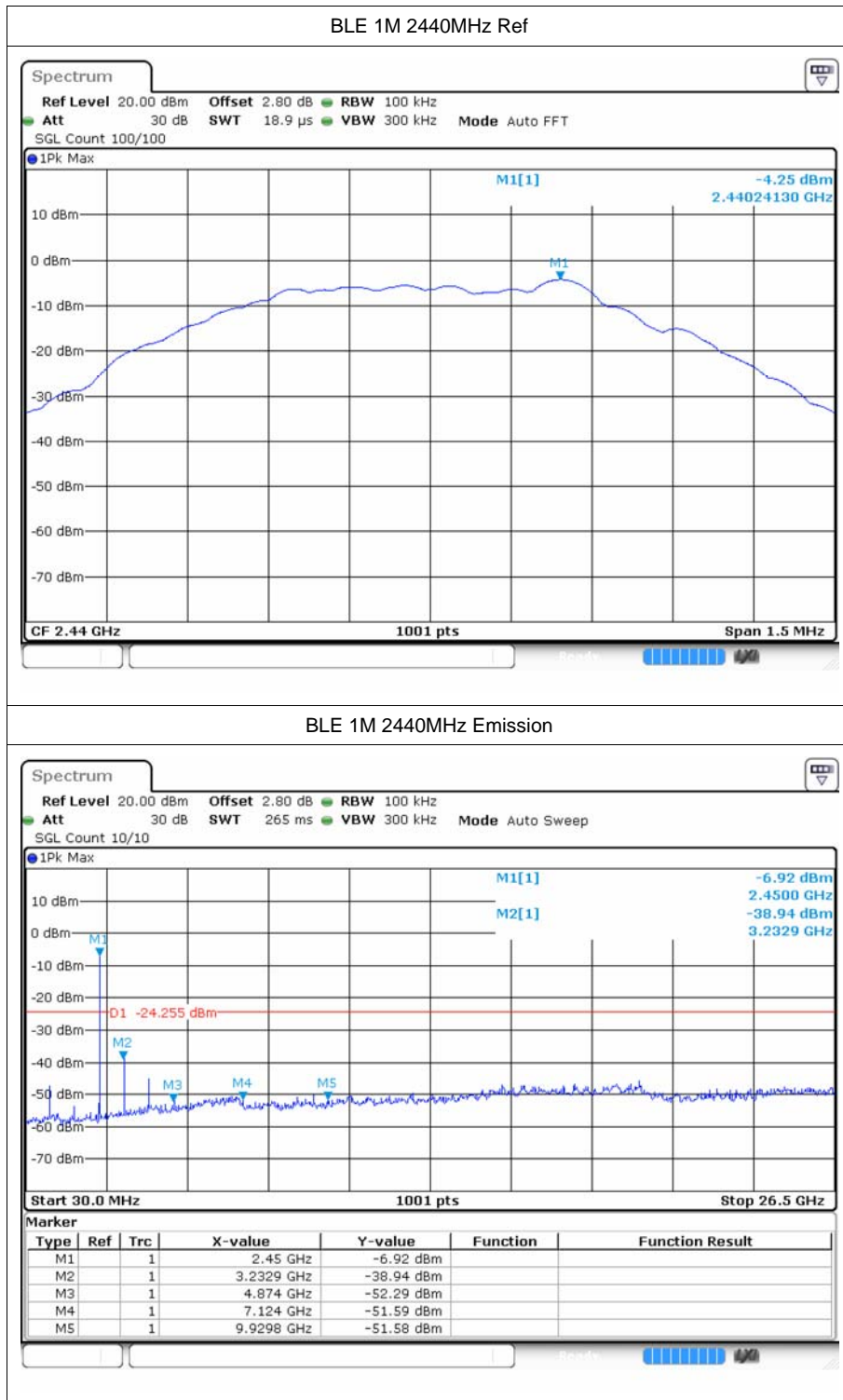
6 Conducted RF Spurious Emission

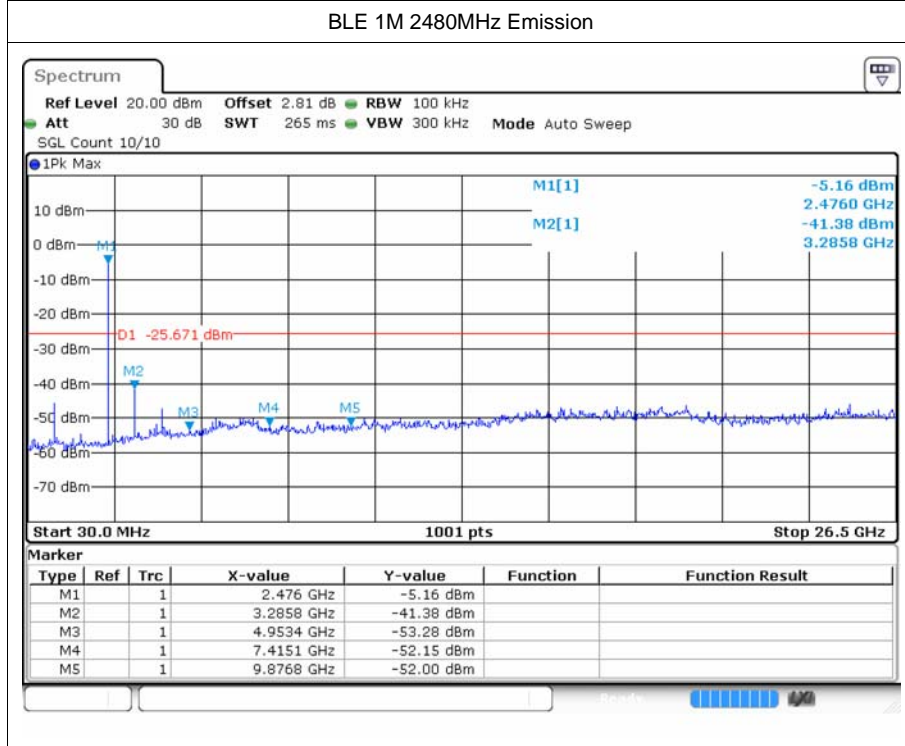
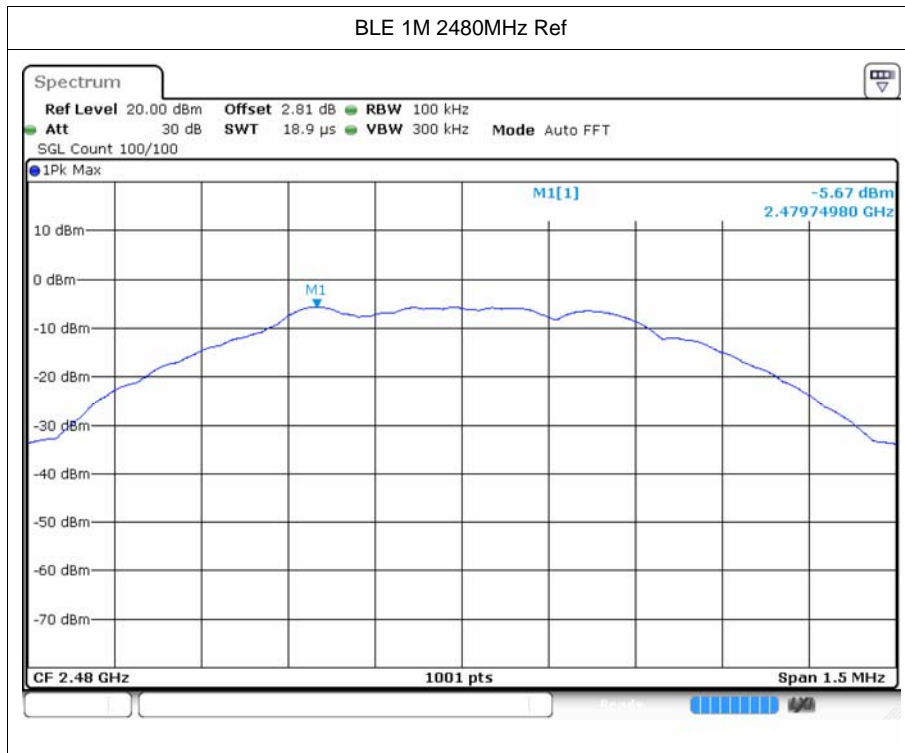
6.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-33.08	-20	Pass
BLE 1M	2440	-34.68	-20	Pass
BLE 1M	2480	-35.7	-20	Pass

6.2 Test Graphs







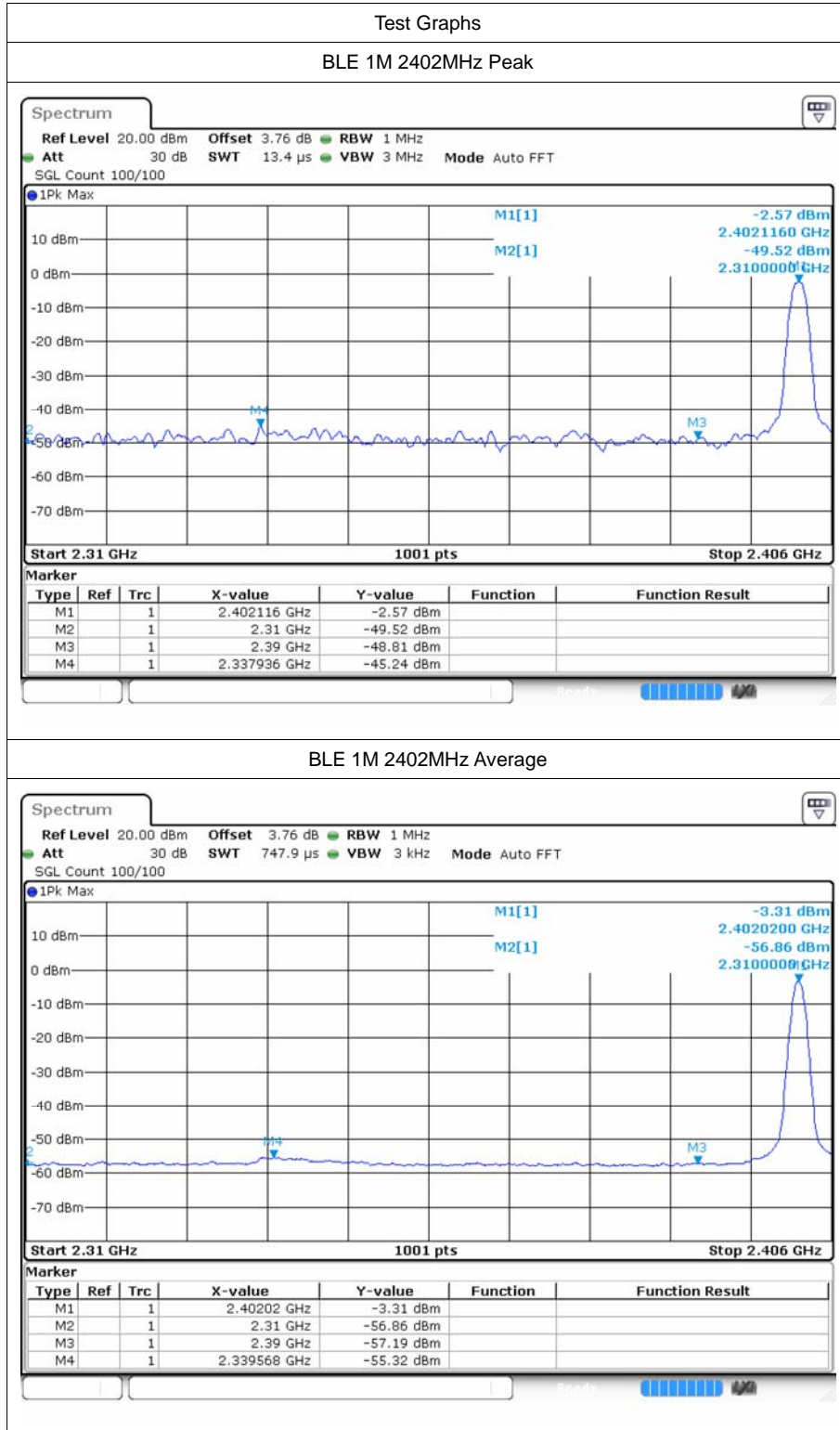


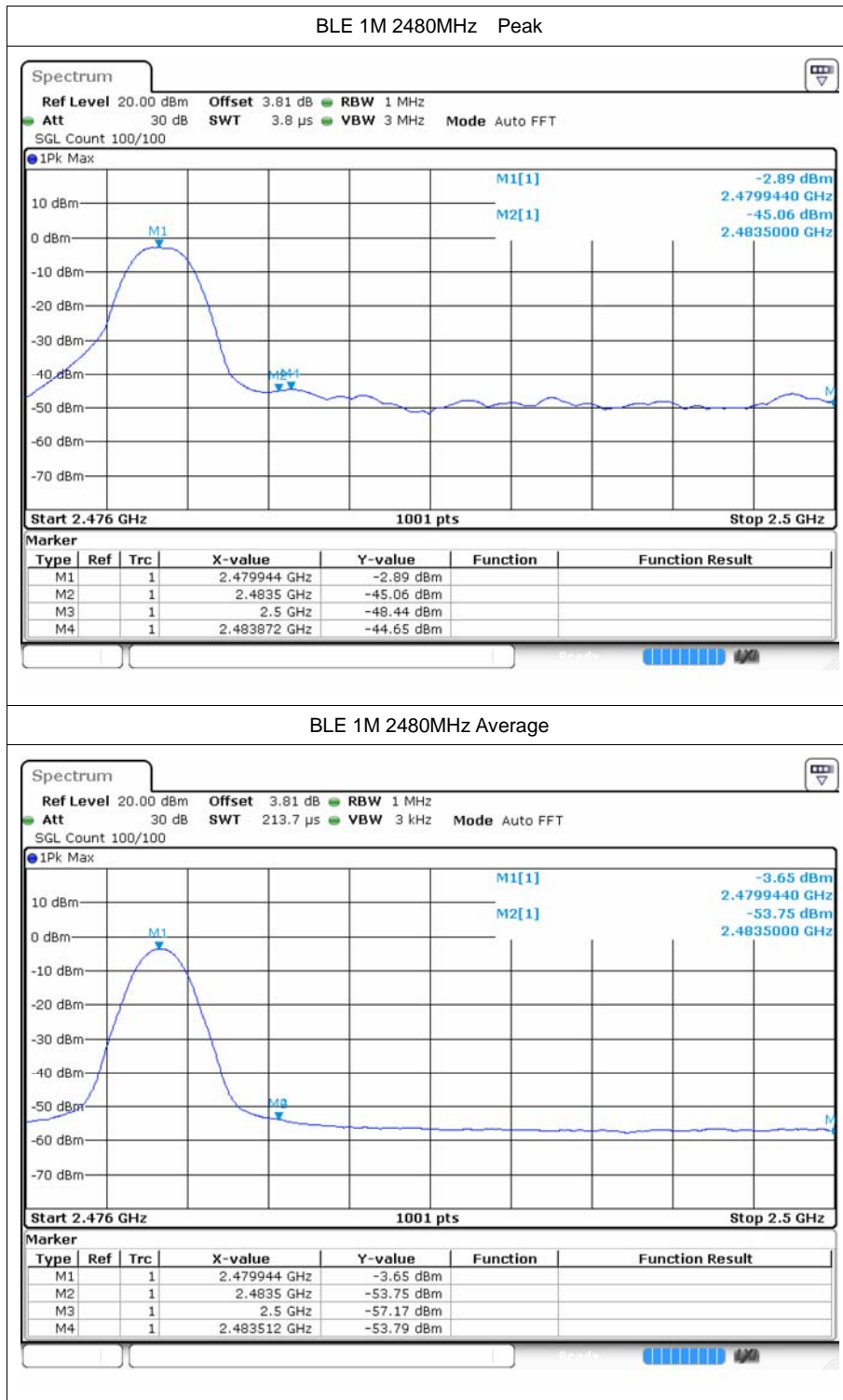
7 Restrict Band

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	-49.51	2	47.75	Peak	74	Pass
BLE 1M	2402	2310	-56.86	2	40.4	Average	54	Pass
BLE 1M	2402	2337.936	-45.23	2	52.03	Peak	74	Pass
BLE 1M	2402	2339.568	-55.32	2	41.94	Average	54	Pass
BLE 1M	2402	2390	-48.8	2	48.46	Peak	74	Pass
BLE 1M	2402	2390	-57.18	2	40.08	Average	54	Pass
BLE 1M	2480	2483.5	-45.02	2	52.24	Peak	74	Pass
BLE 1M	2480	2483.5	-53.79	2	43.47	Average	54	Pass
BLE 1M	2480	2483.872	-44.64	2	52.62	Peak	74	Pass
BLE 1M	2480	2483.512	-53.79	2	43.47	Average	54	Pass
BLE 1M	2480	2500	-48.43	2	48.83	Peak	74	Pass
BLE 1M	2480	2500	-57.16	2	40.1	Average	54	Pass

7.2 Test Graphs





---The End---