



Appendix B

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

Product Name: Bluetooth Speakers

Trade Mark: N/A

Test Model: RQZ-1

Environmental Conditions

Temperature:	25.8℃
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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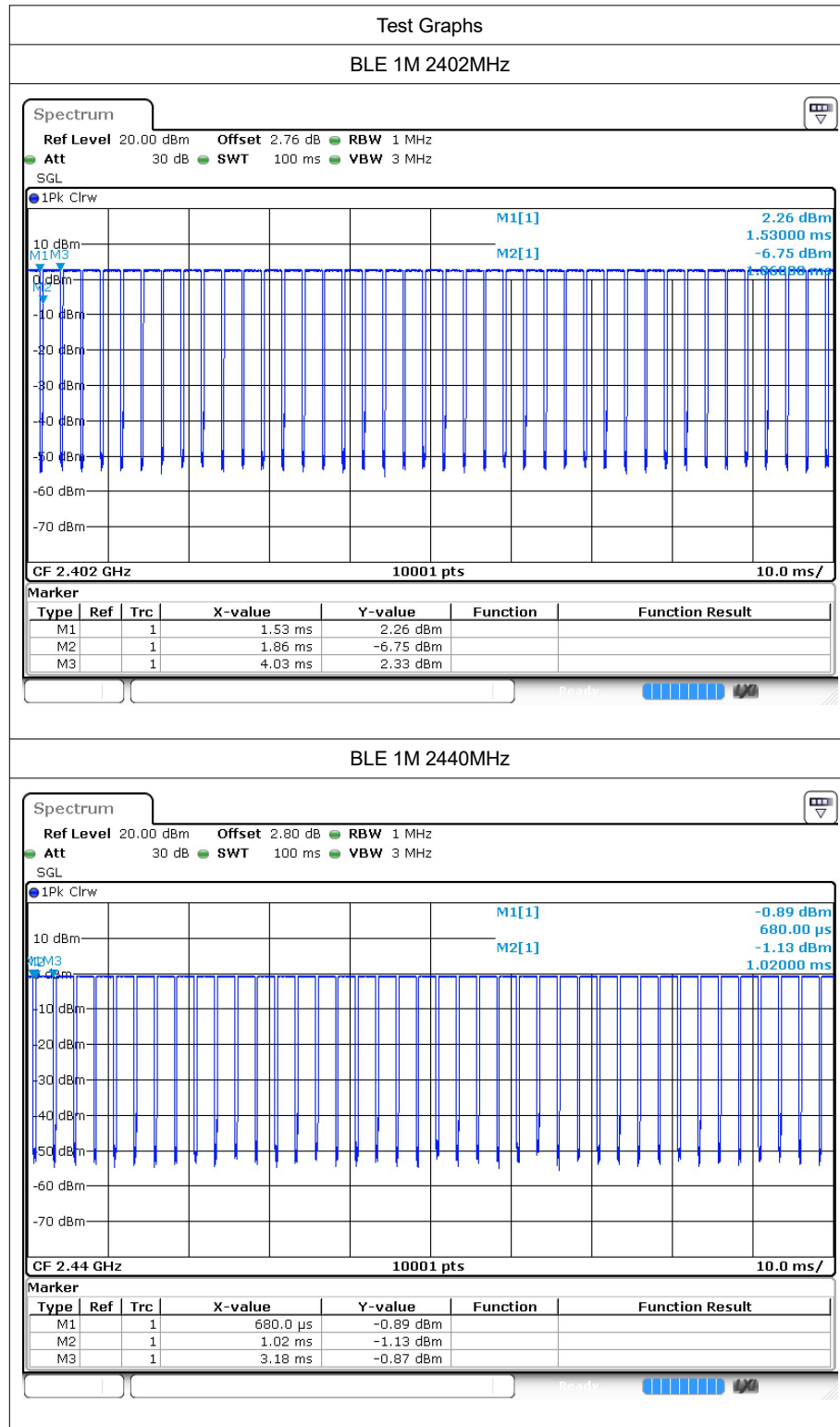


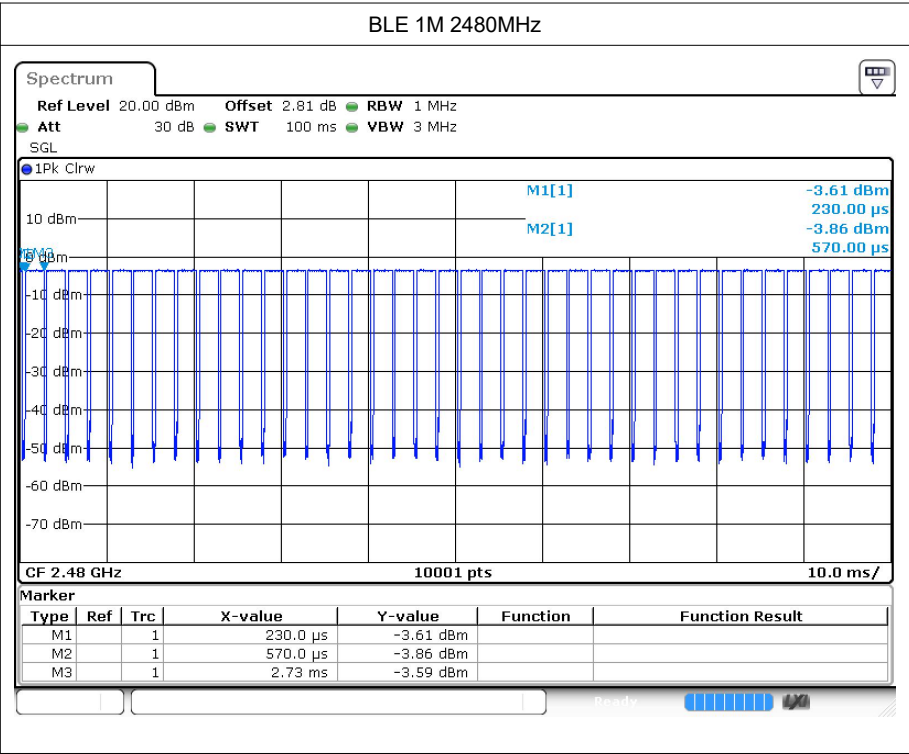
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	1/T (kHz)
BLE 1M	2402	86.9	0.46
BLE 1M	2440	86.8	0.46
BLE 1M	2480	86.96	0.46

1.2 Test Graphs





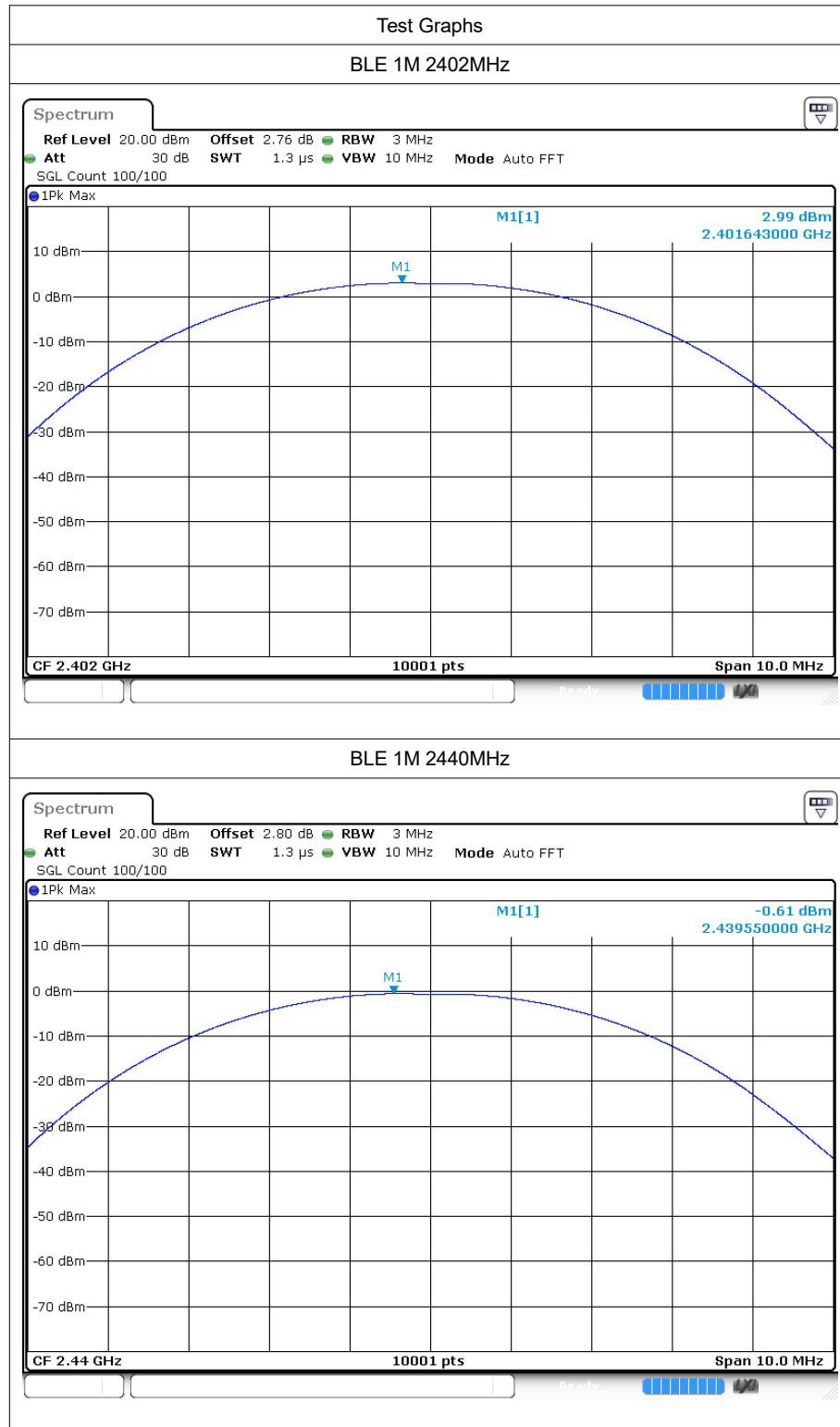


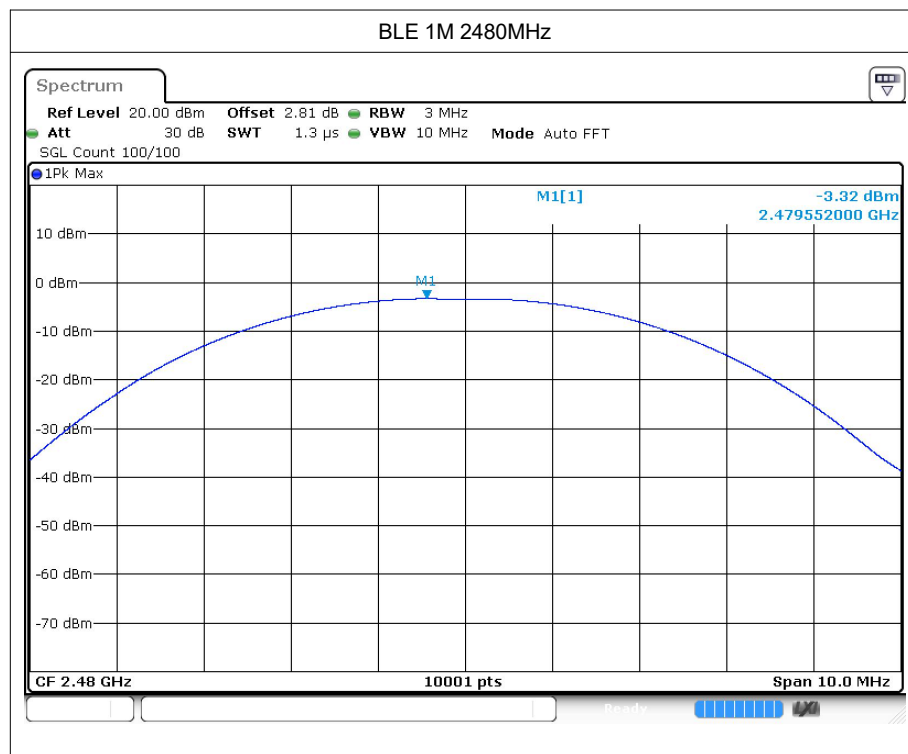
2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	2.99	30	Pass
BLE 1M	2440	-0.61	30	Pass
BLE 1M	2480	-3.32	30	Pass

2.2 Test Graphs





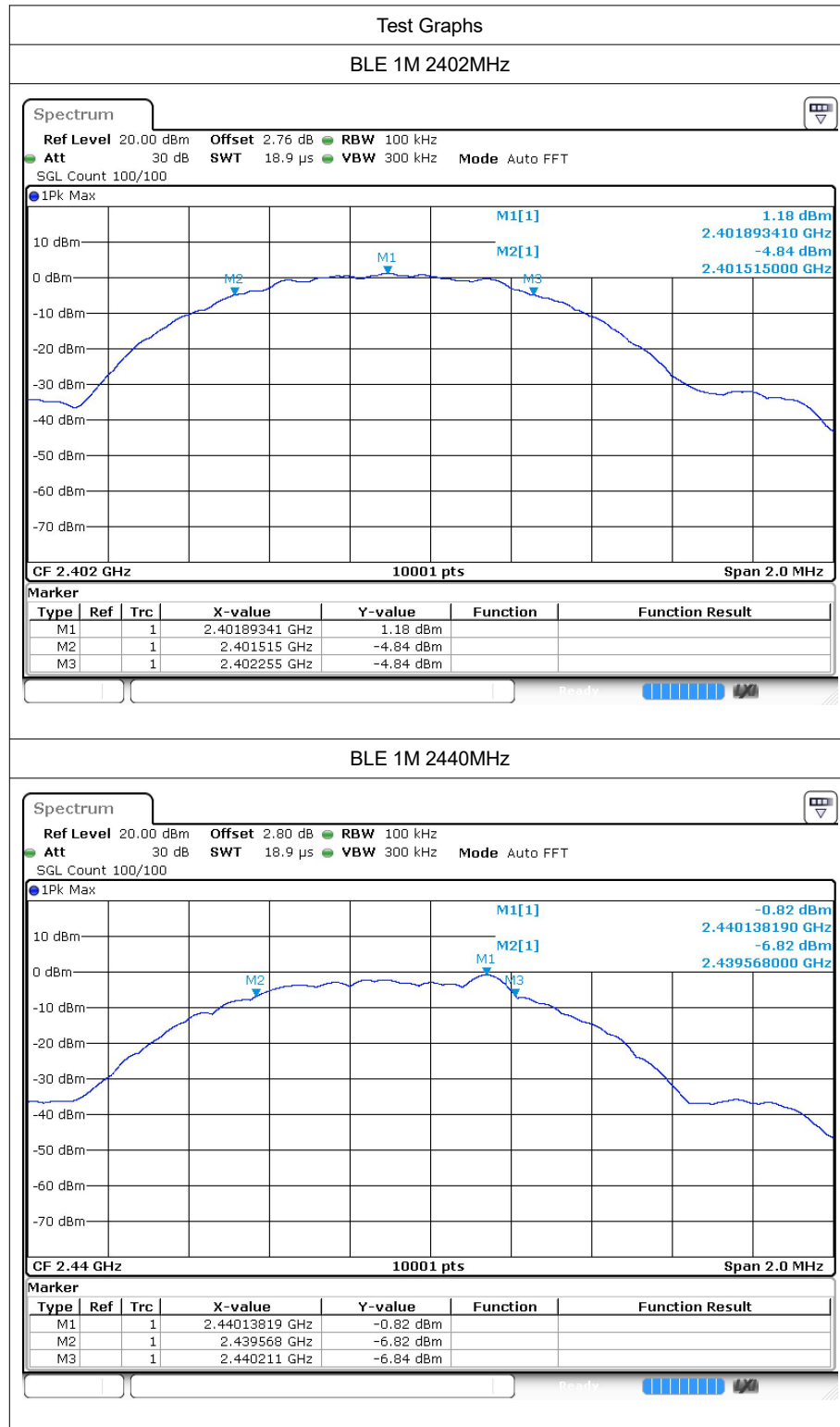


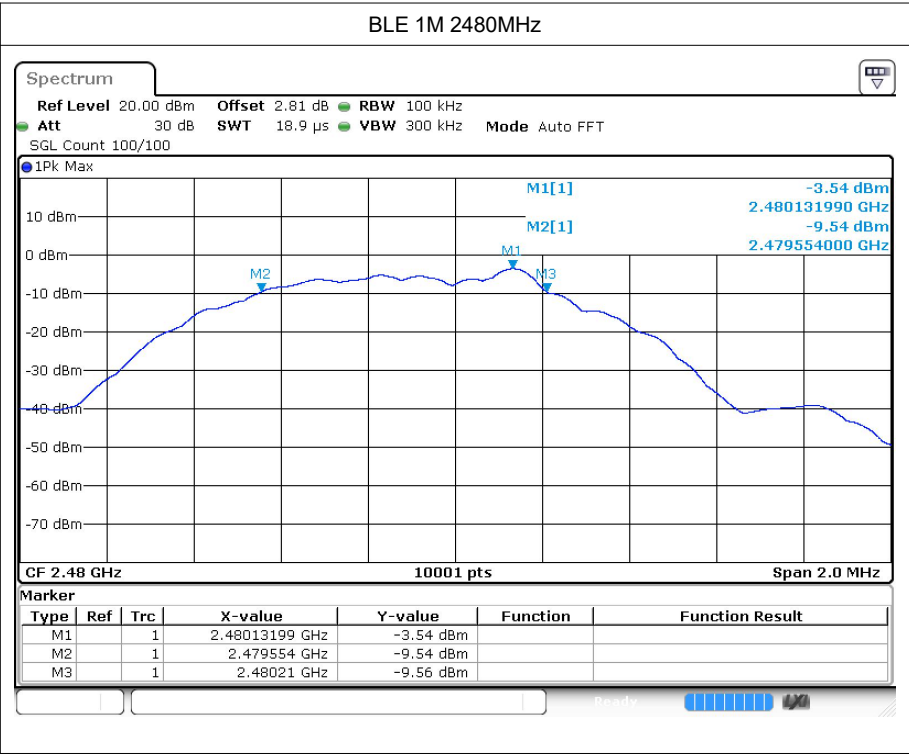
3 -6dB Bandwidth

3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.739	0.5	Pass
BLE 1M	2440	0.643	0.5	Pass
BLE 1M	2480	0.656	0.5	Pass

3.2 Test Graphs



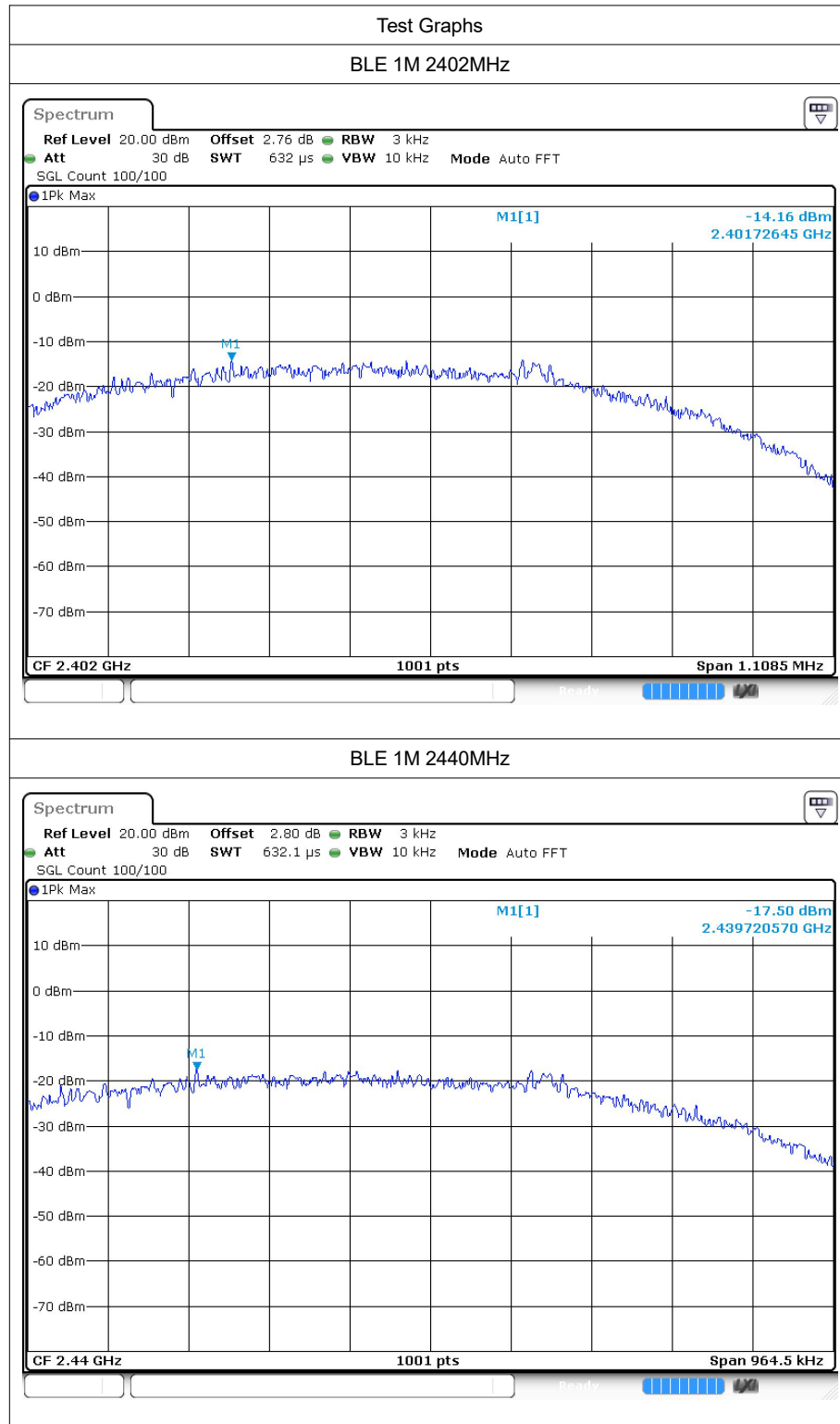


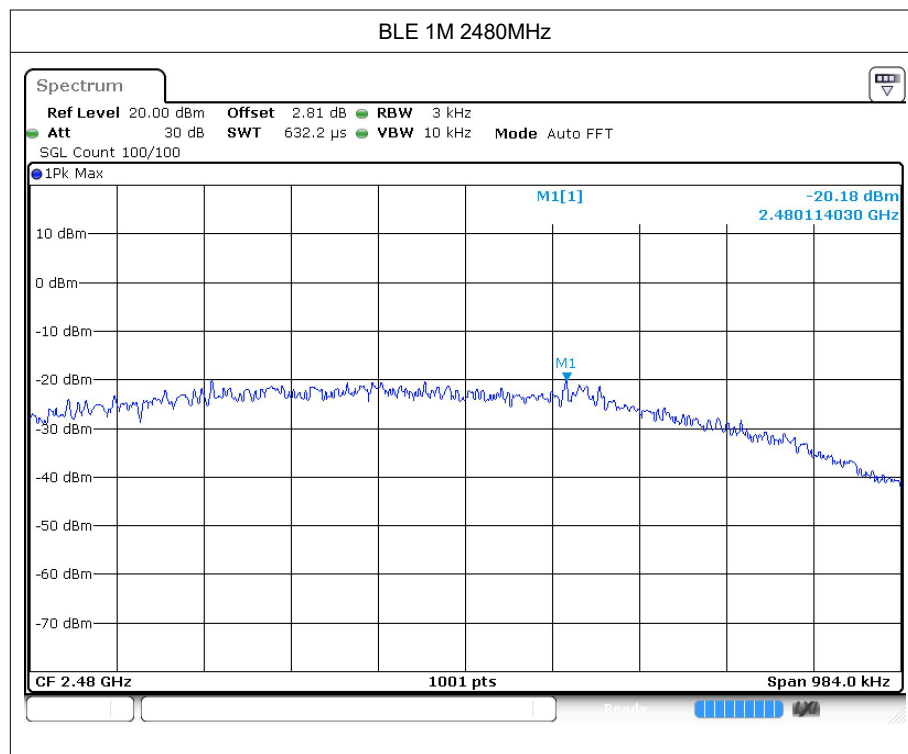
4 Maximum Power Spectral Density Level

4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-14.16	≤ 8	Pass
BLE 1M	2440	-17.5	≤ 8	Pass
BLE 1M	2480	-20.18	≤ 8	Pass

4.2 Test Graphs





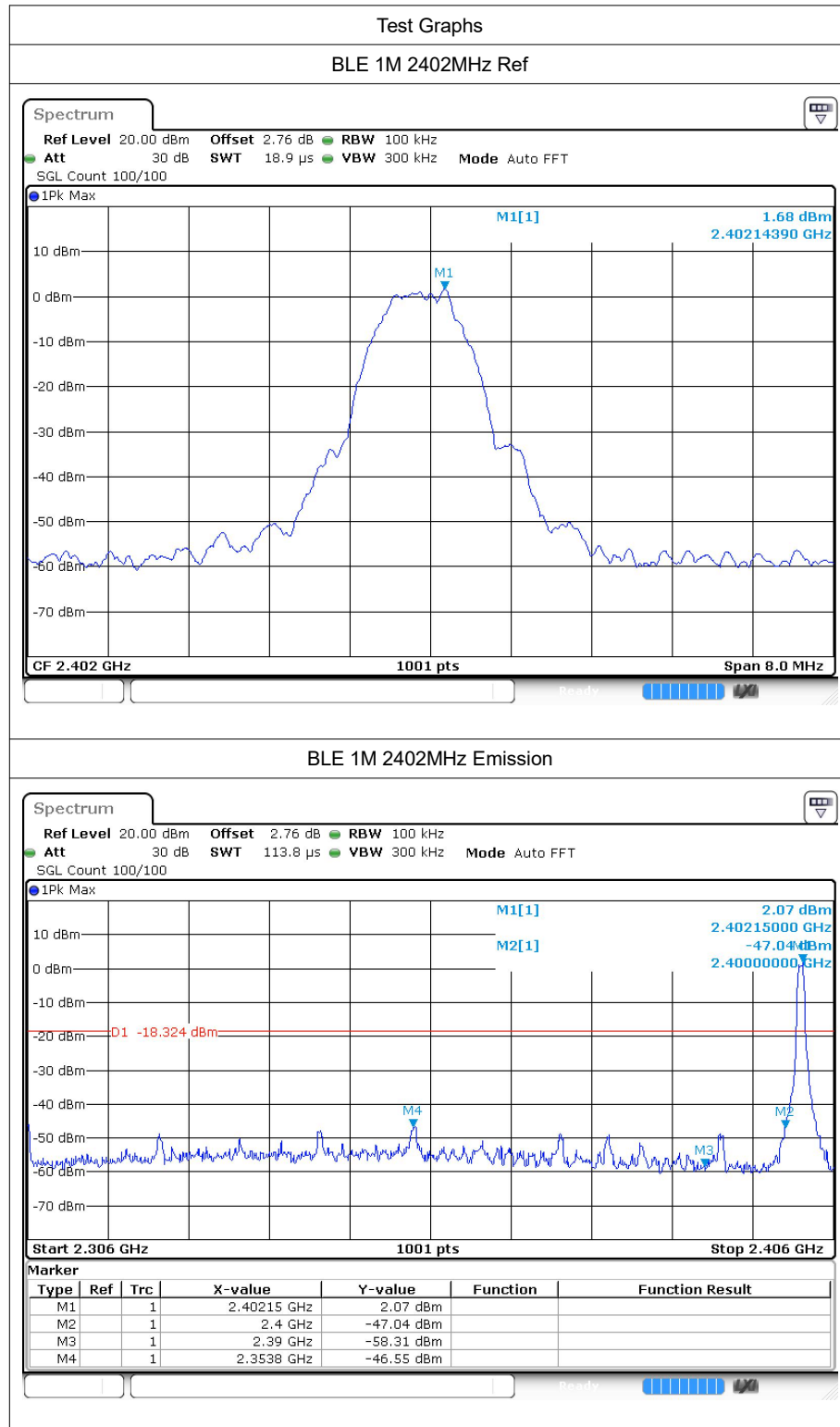


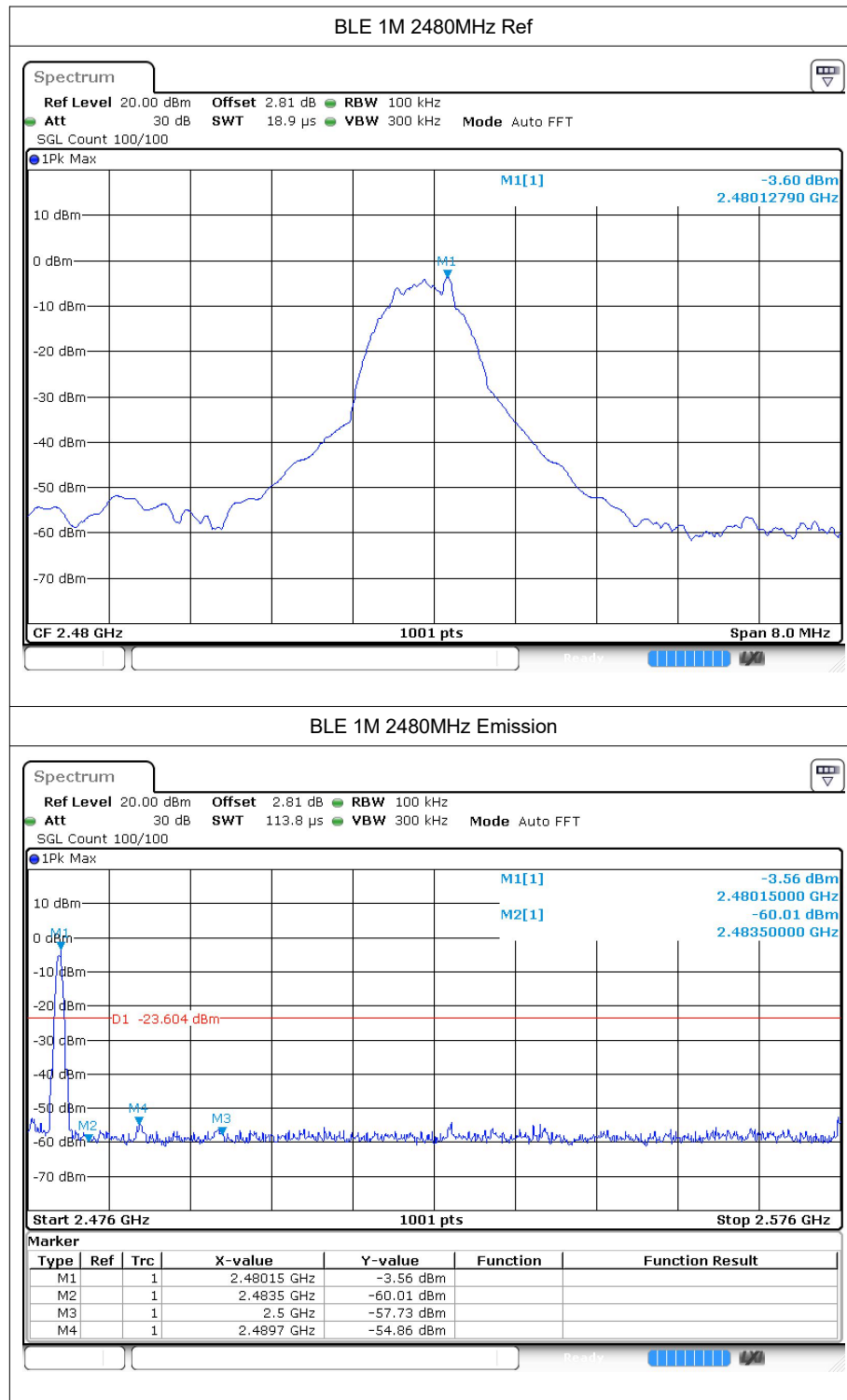
5 Band Edge

5.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-48.23	-20	Pass
BLE 1M	2480	-51.25	-20	Pass

5.2 Test Graphs





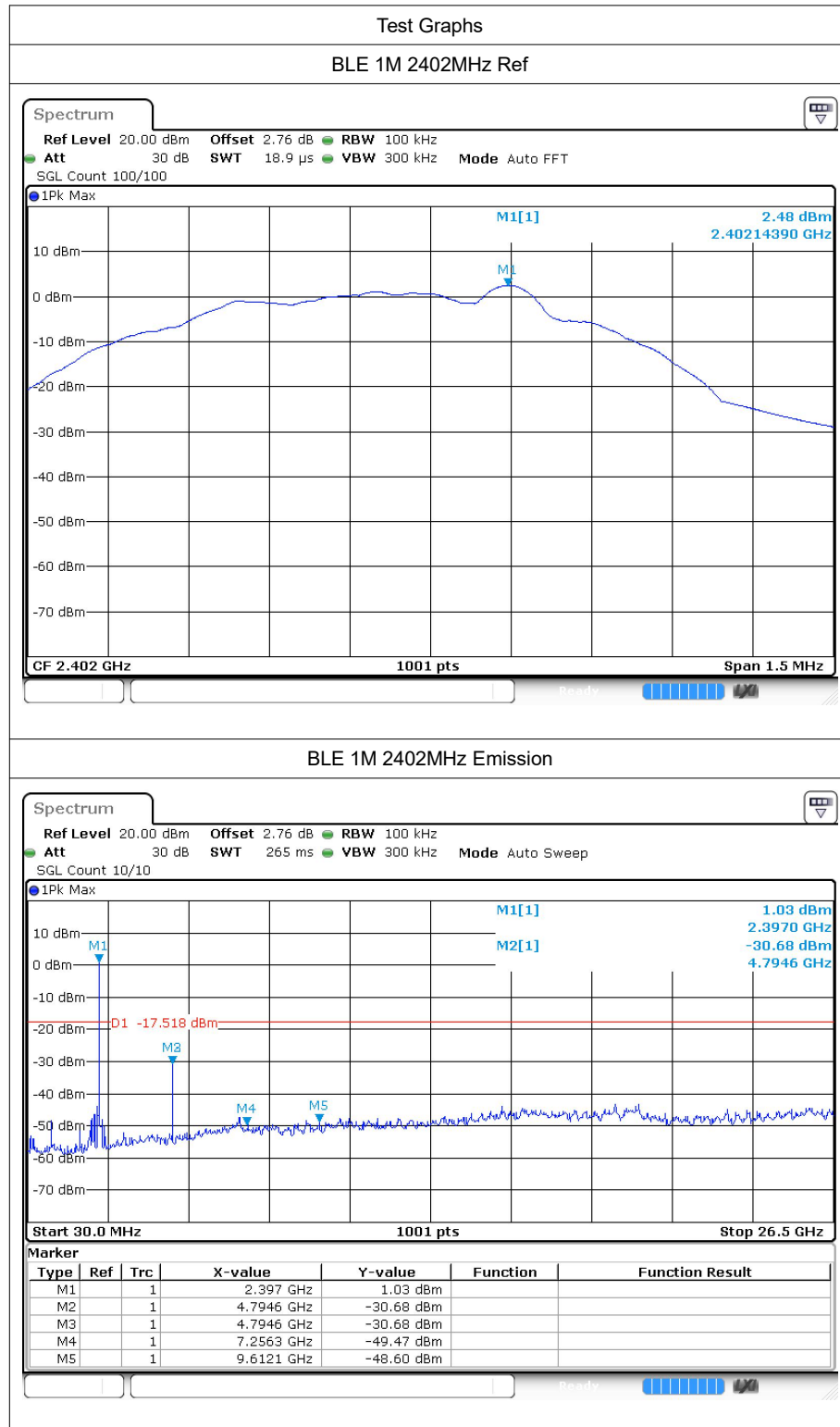


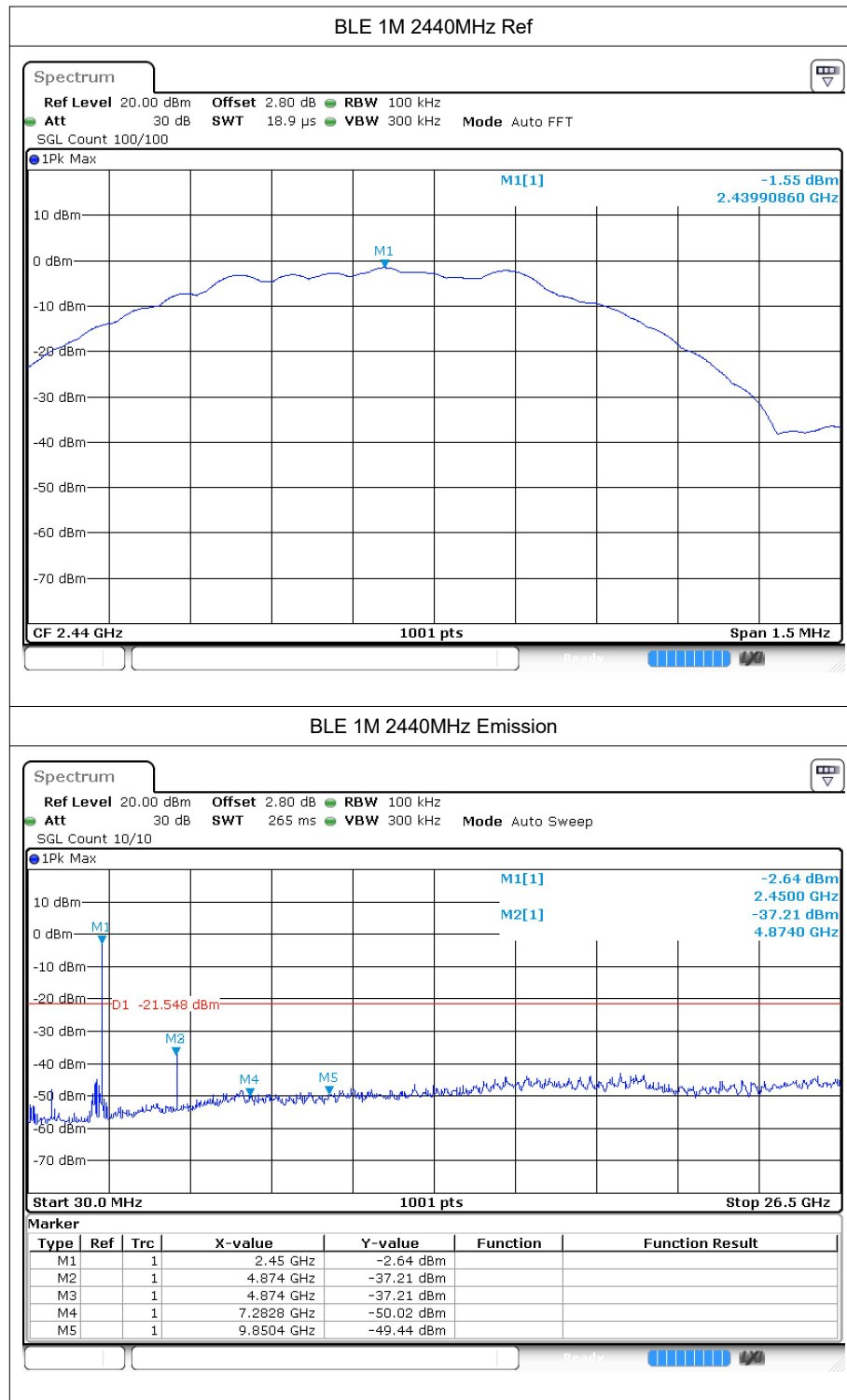
6 Conducted RF Spurious Emission

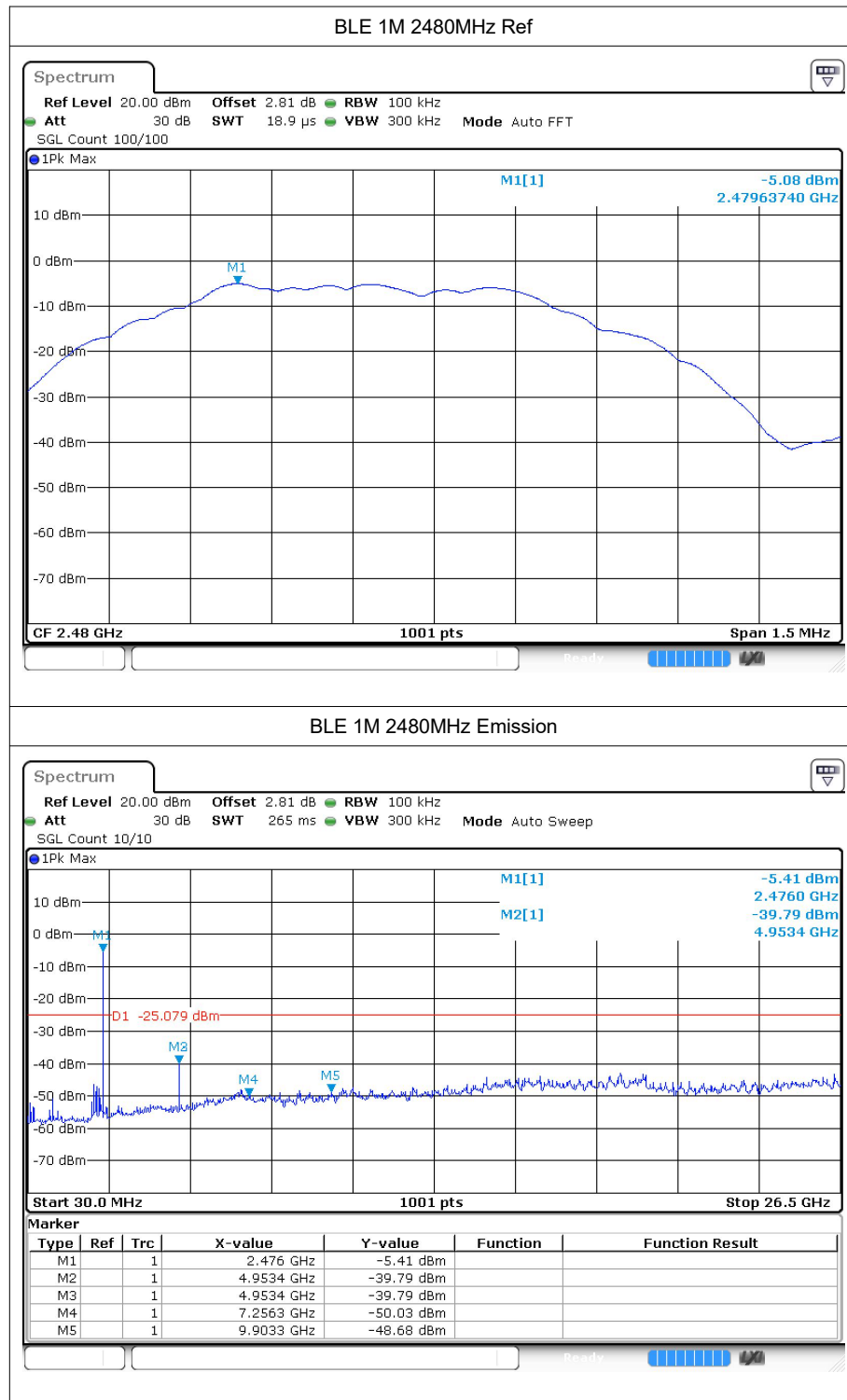
6.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-33.15	-20	Pass
BLE 1M	2440	-35.65	-20	Pass
BLE 1M	2480	-34.71	-20	Pass

6.2 Test Graphs







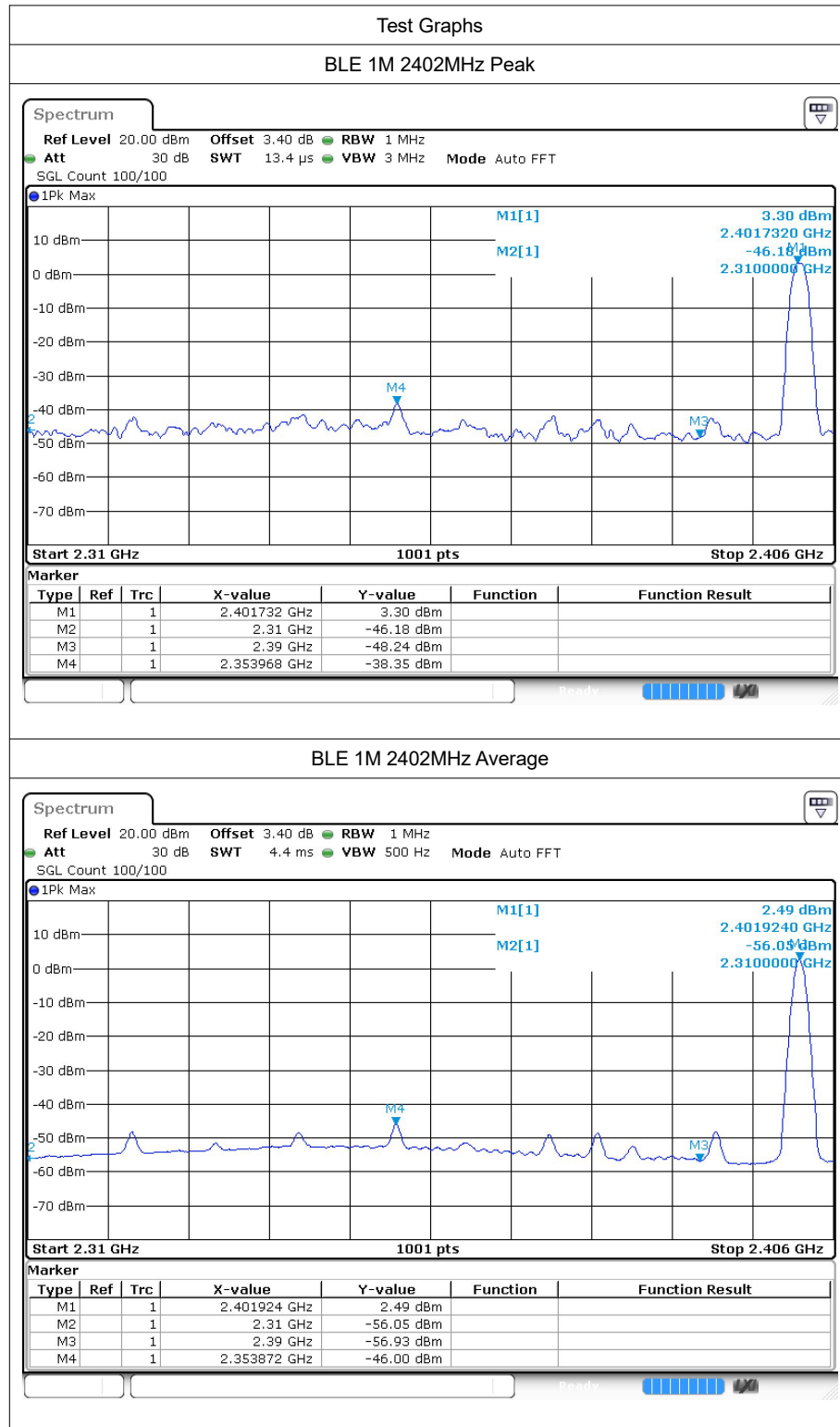


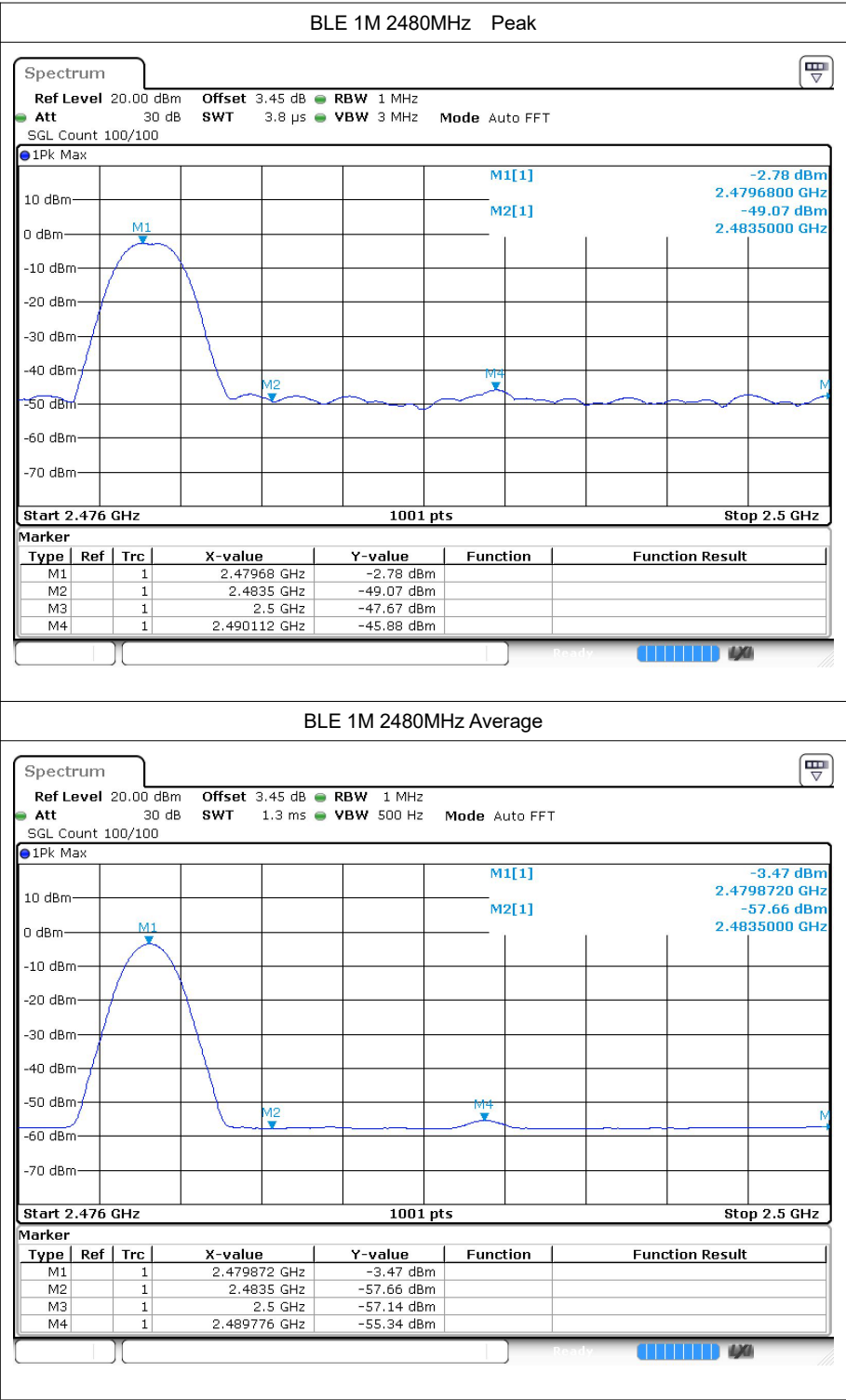
7 Restrict Band

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	-46.17	2	51.09	Peak	74	Pass
BLE 1M	2402	2310	-56.04	2	41.22	Average	54	Pass
BLE 1M	2402	2353.968	-38.35	2	58.91	Peak	74	Pass
BLE 1M	2402	2353.872	-45.99	2	51.27	Average	54	Pass
BLE 1M	2402	2390	-48.24	2	49.02	Peak	74	Pass
BLE 1M	2402	2390	-56.92	2	40.34	Average	54	Pass
BLE 1M	2480	2483.5	-49.23	2	48.03	Peak	74	Pass
BLE 1M	2480	2483.5	-57.66	2	39.6	Average	54	Pass
BLE 1M	2480	2490.112	-45.87	2	51.39	Peak	74	Pass
BLE 1M	2480	2489.776	-55.33	2	41.93	Average	54	Pass
BLE 1M	2480	2500	-47.67	2	49.59	Peak	74	Pass
BLE 1M	2480	2500	-57.13	2	40.13	Average	54	Pass

7.2 Test Graphs





---The End---