



Appendix B

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

Product Name: Live sound card

Trade Mark: N/A

Test Model: F9

Environmental Conditions

Temperature:	24.9° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Emiya lin
Supervised by:	Simba Haung



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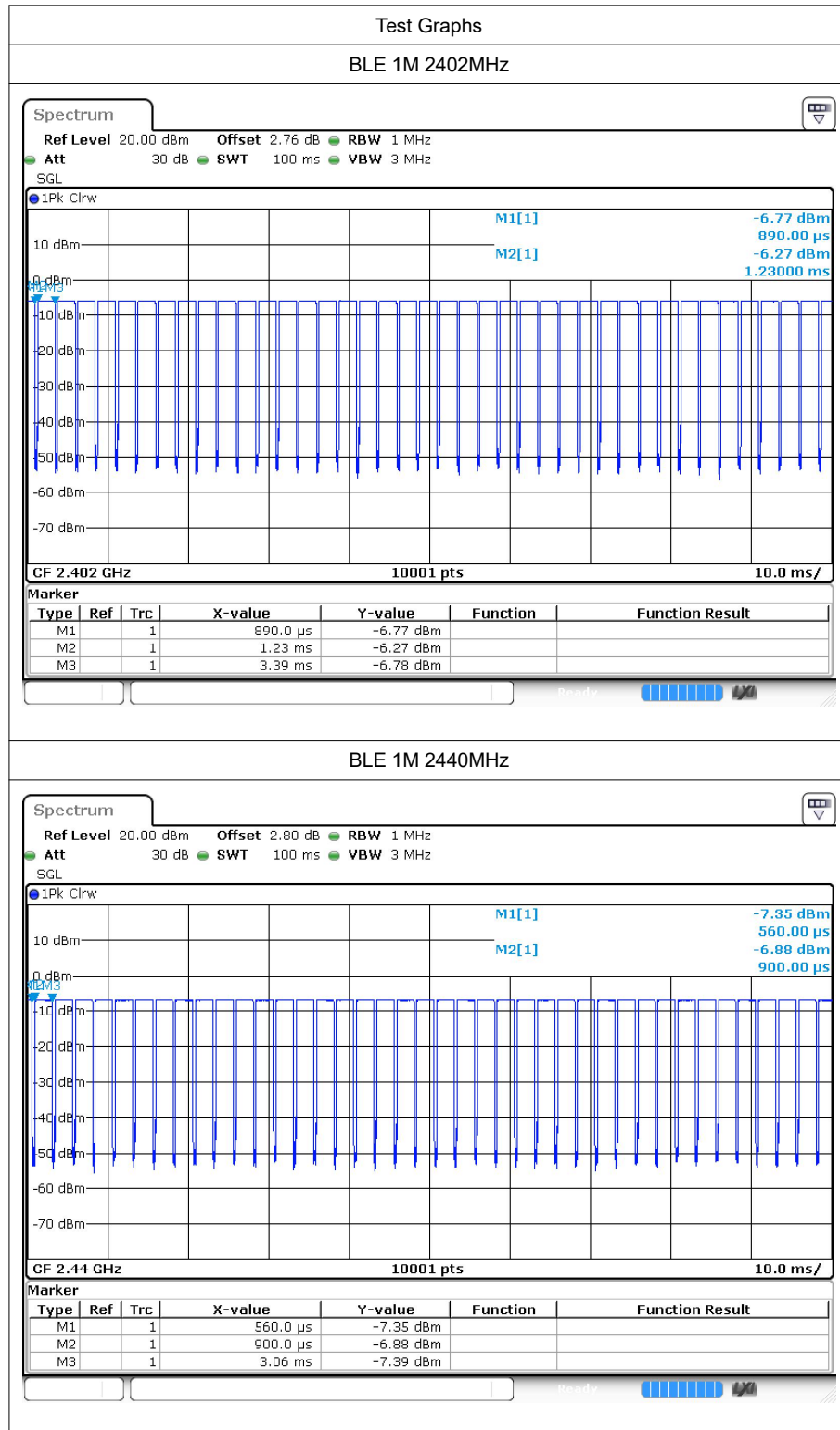


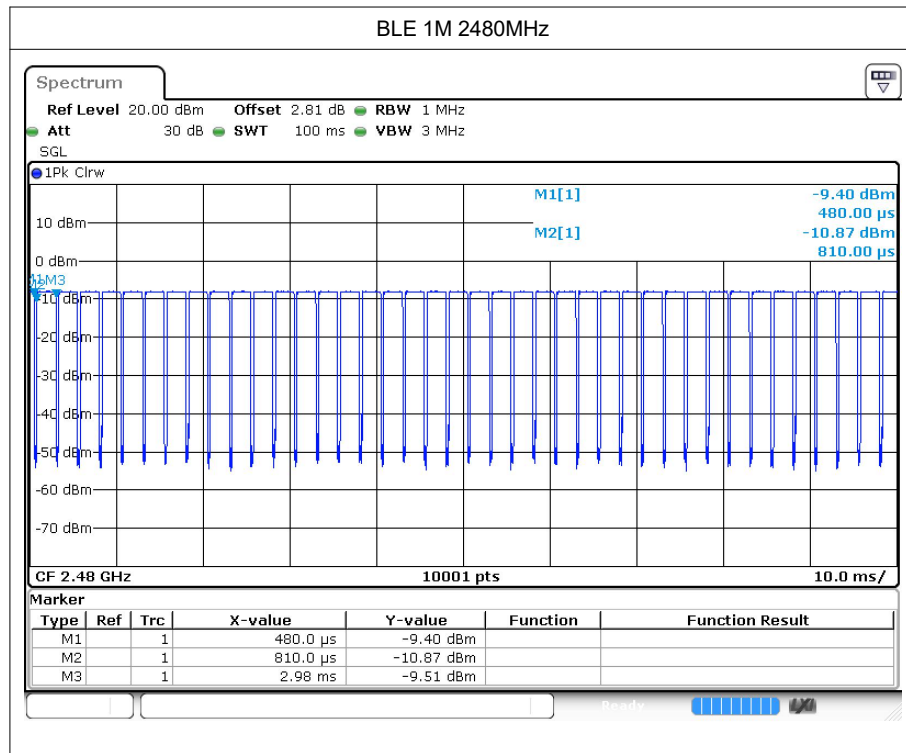
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor	1/T (kHz)
BLE 1M	2402	86.8	0.61	0.46
BLE 1M	2440	86.8	0.61	0.46
BLE 1M	2480	87.2	0.59	0.46

1.2 Test Graphs





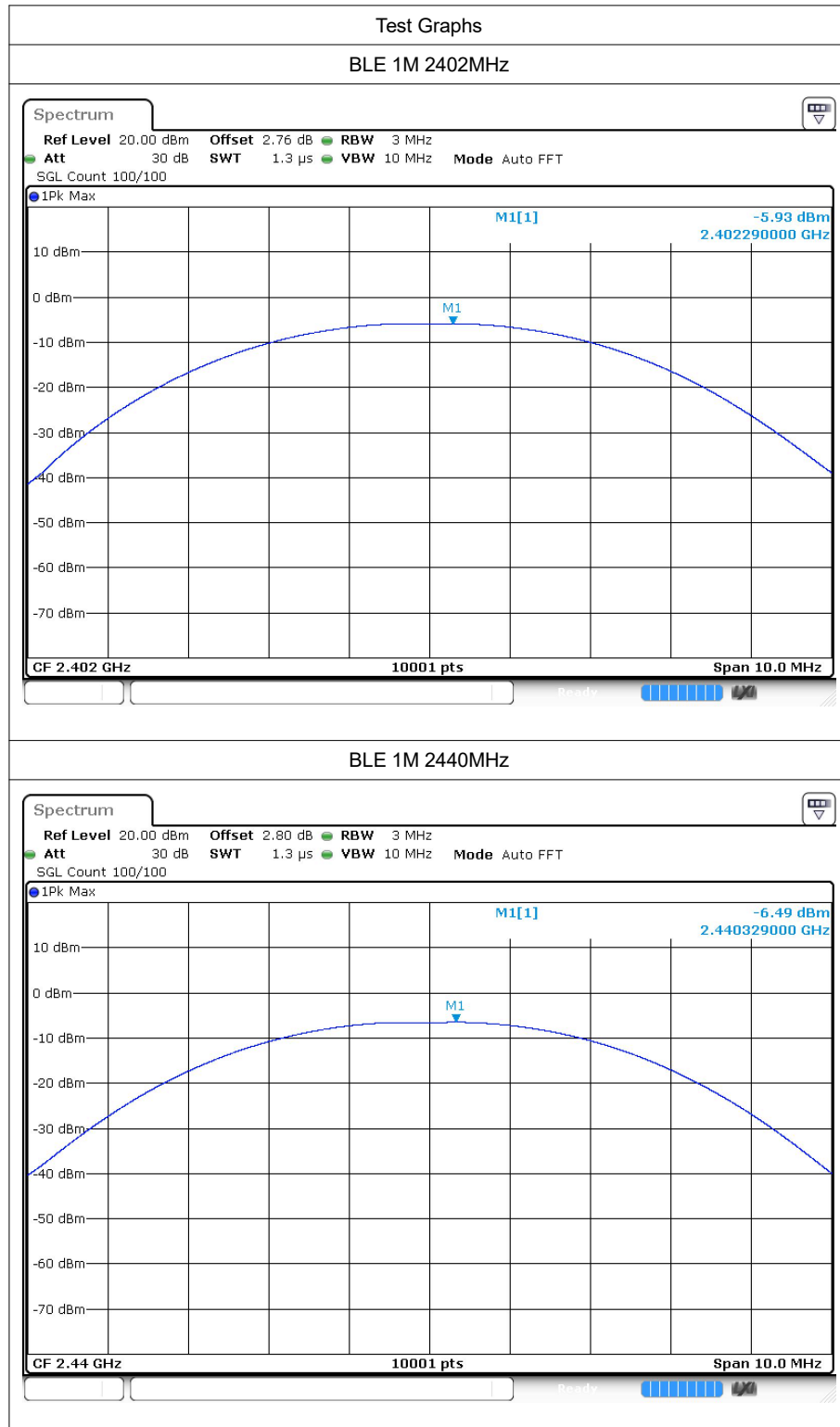


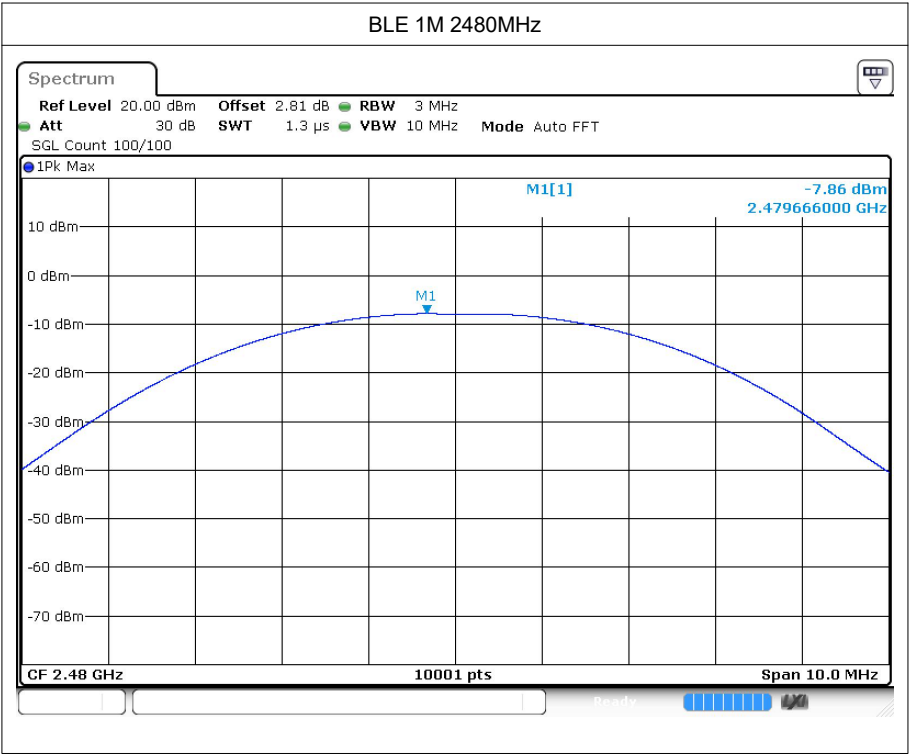
2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	-5.93	30	Pass
BLE 1M	2440	-6.49	30	Pass
BLE 1M	2480	-7.86	30	Pass

2.2 Test Graphs





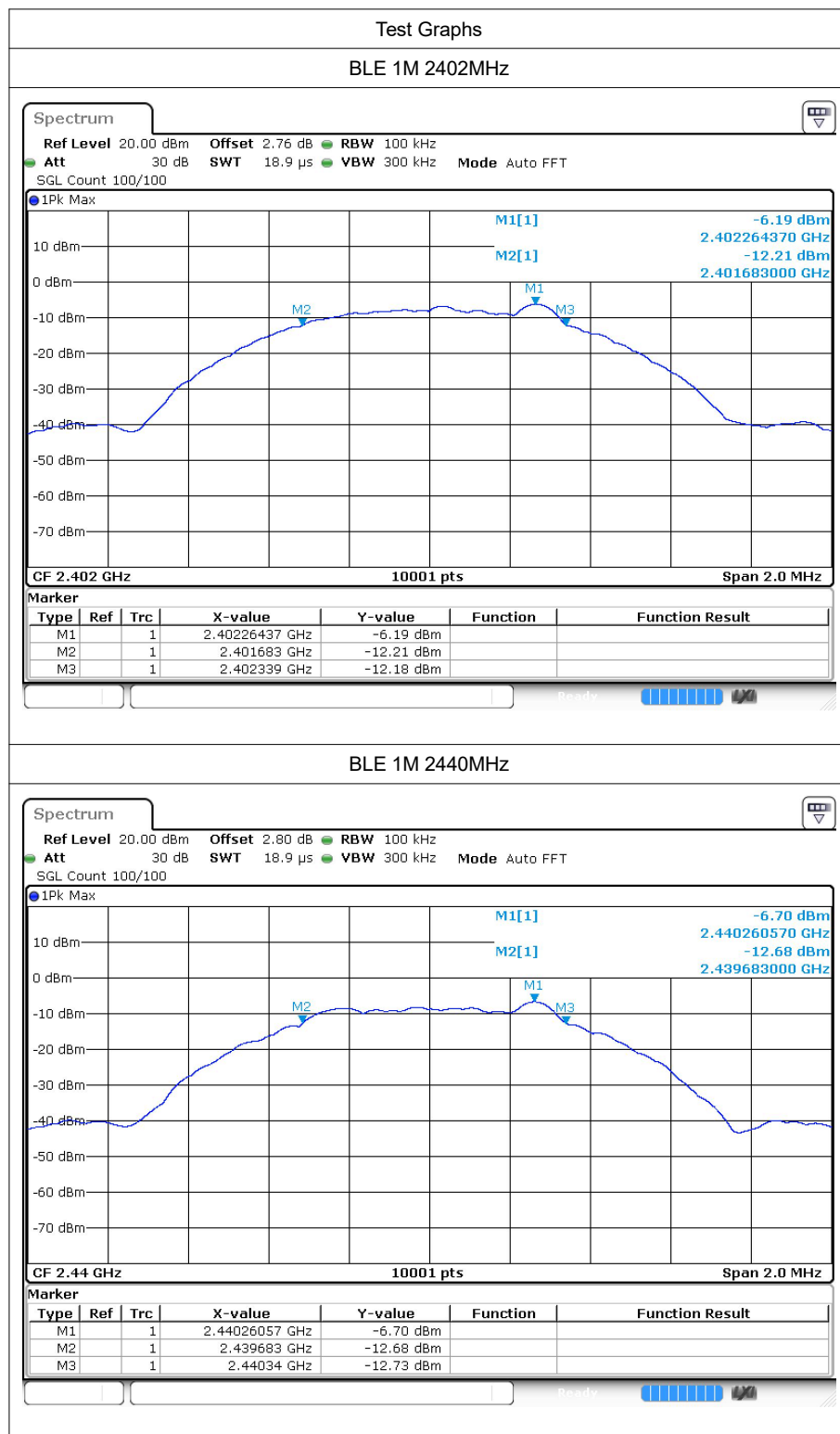


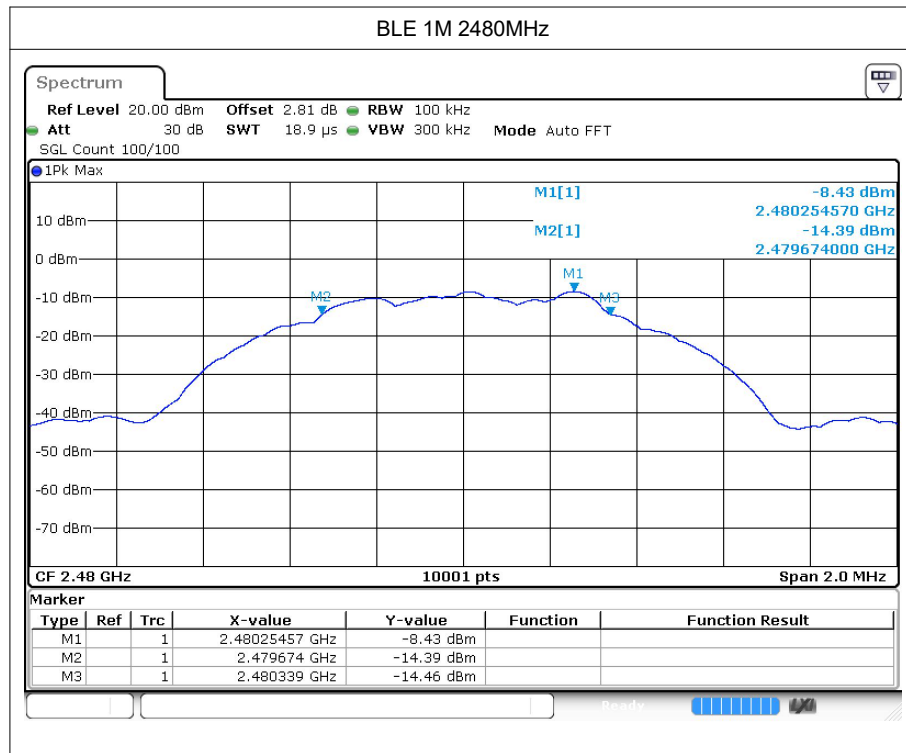
3 -6dB Bandwidth

3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.656	0.5	Pass
BLE 1M	2440	0.657	0.5	Pass
BLE 1M	2480	0.665	0.5	Pass

3.2 Test Graphs



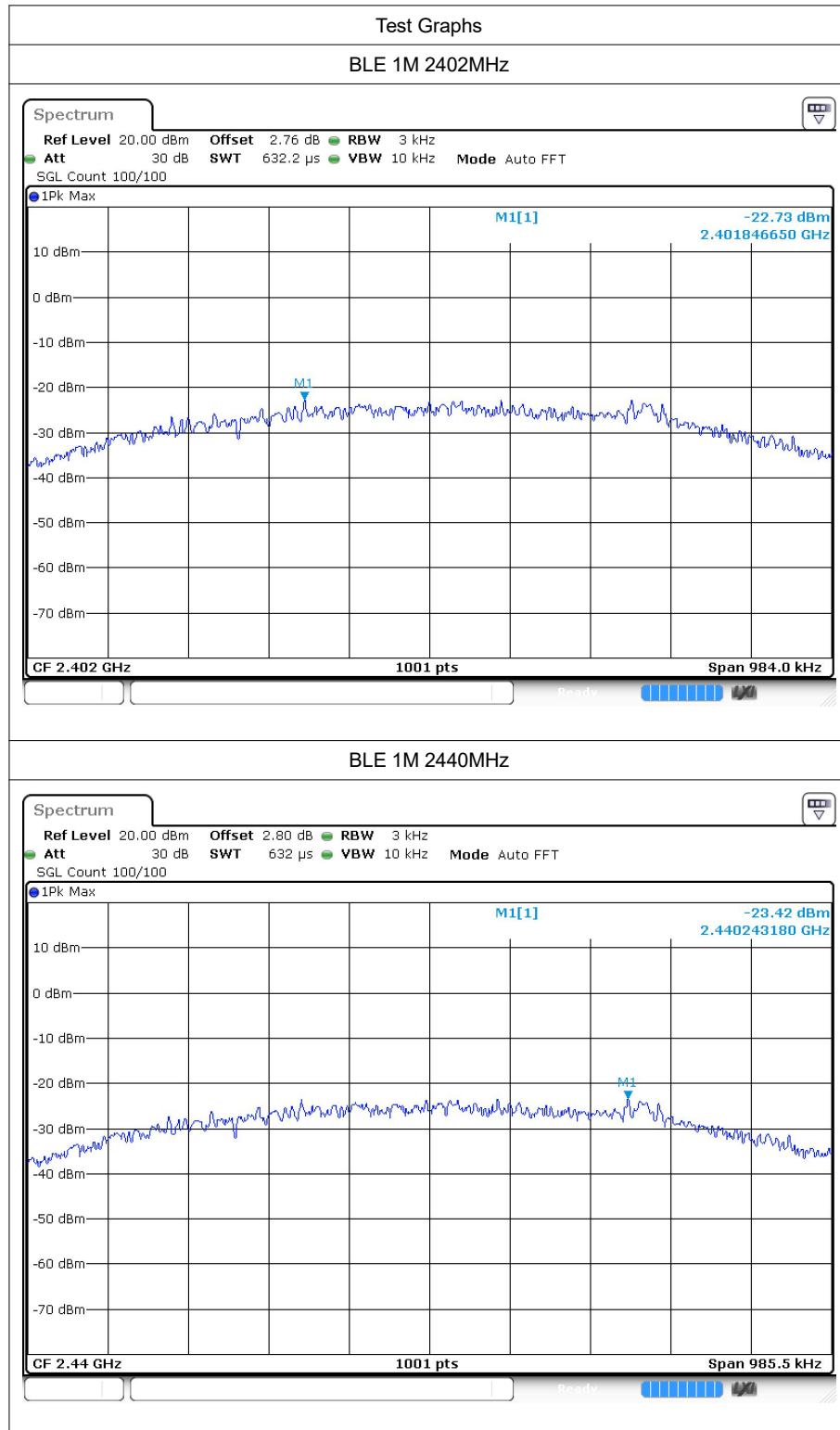


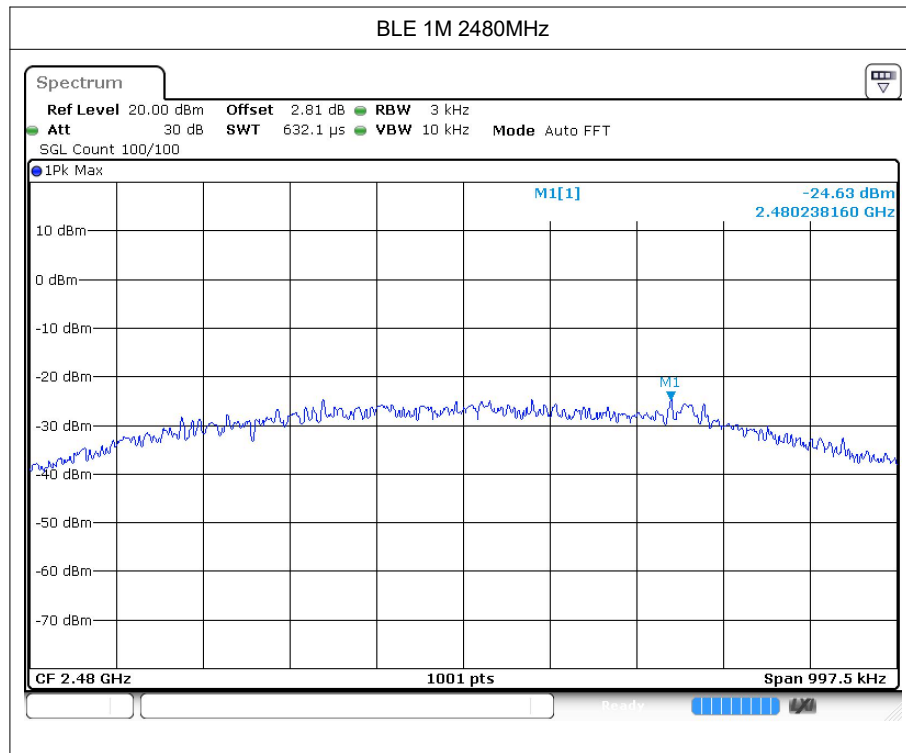
4 Maximum Power Spectral Density Level

4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-22.73	≤8	Pass
BLE 1M	2440	-23.42	≤8	Pass
BLE 1M	2480	-24.63	≤8	Pass

4.2 Test Graphs





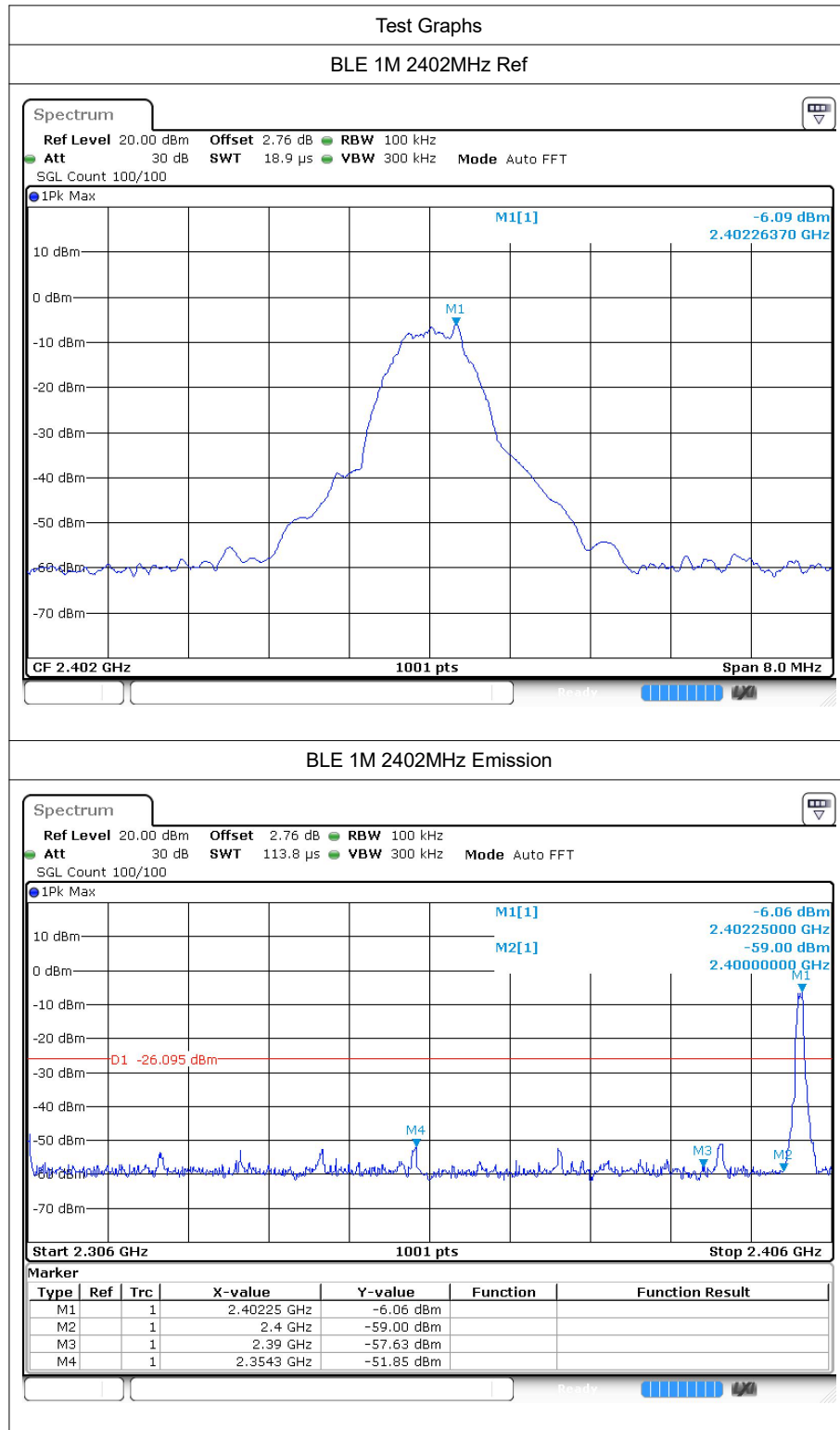


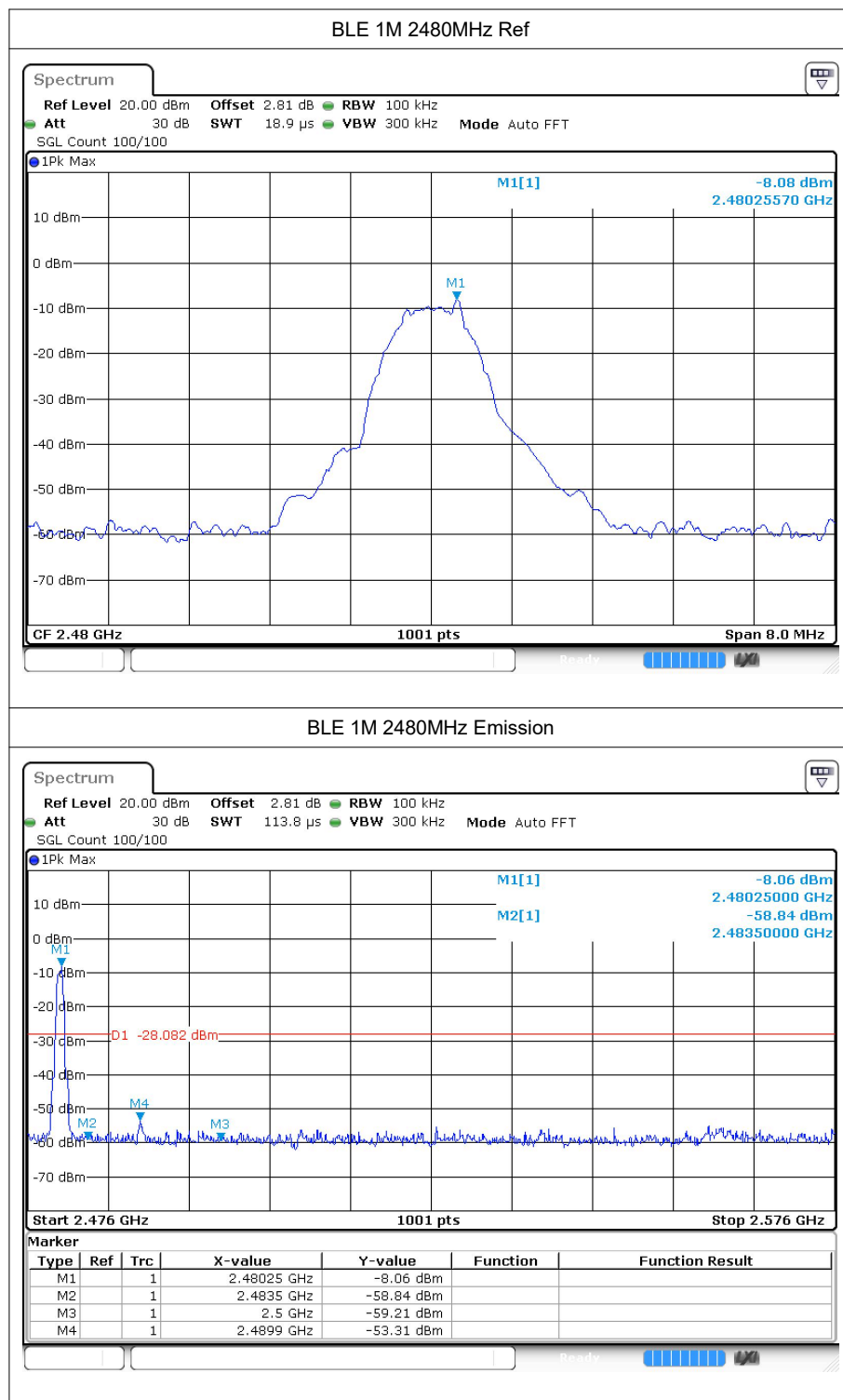
5 Band Edge

5.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-45.76	-20	Pass
BLE 1M	2480	-45.23	-20	Pass

5.2 Test Graphs



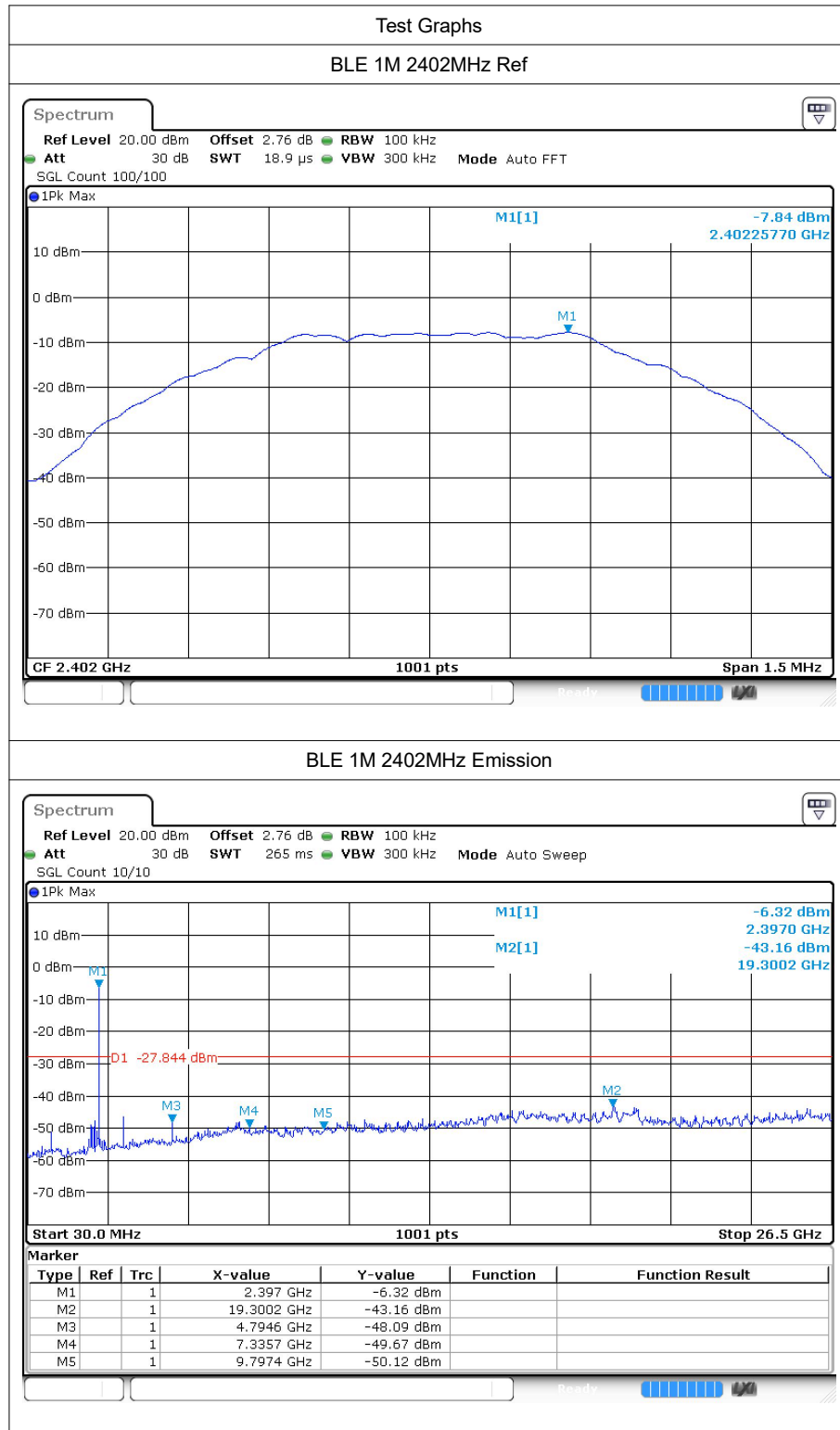


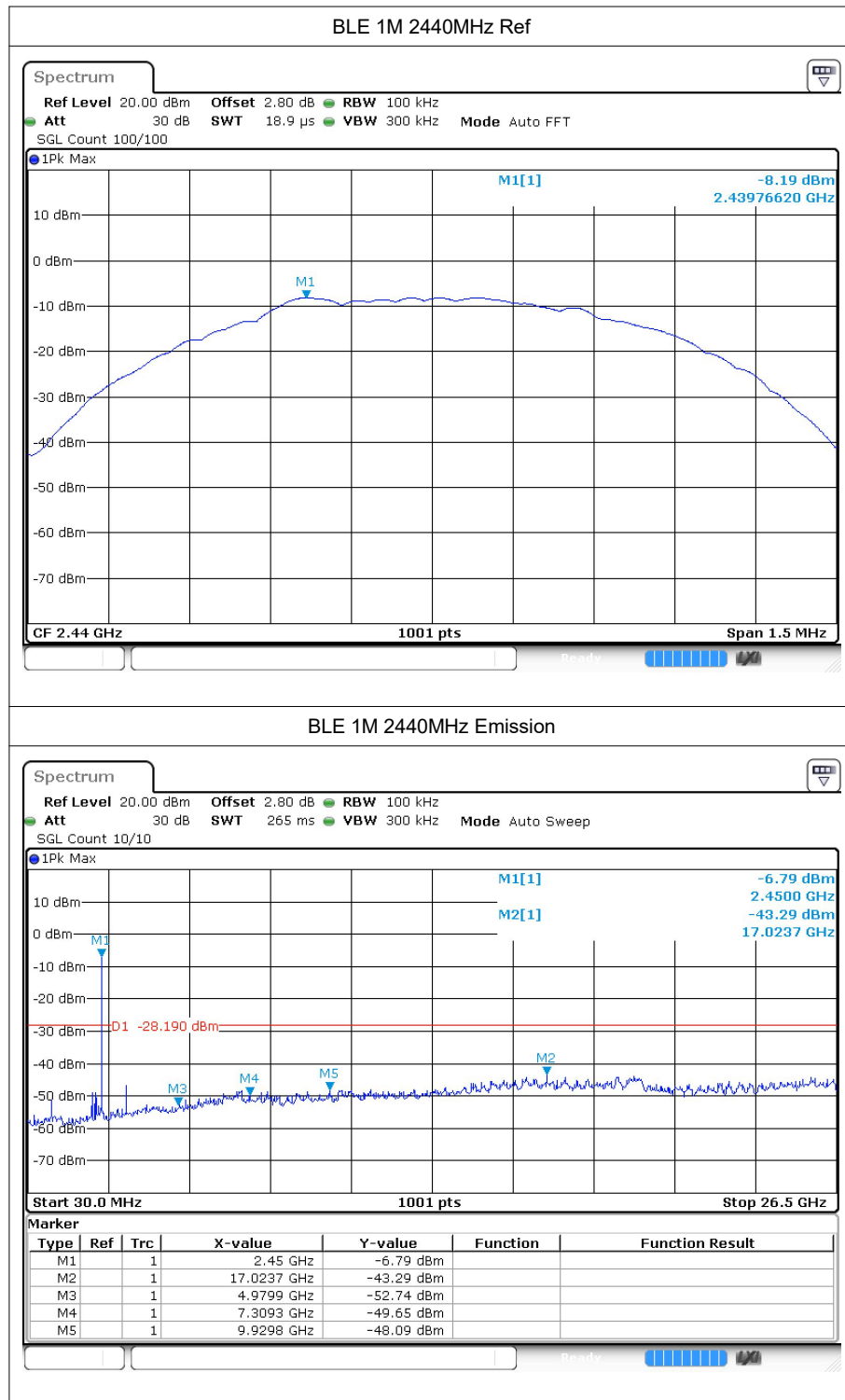
6 Conducted RF Spurious Emission

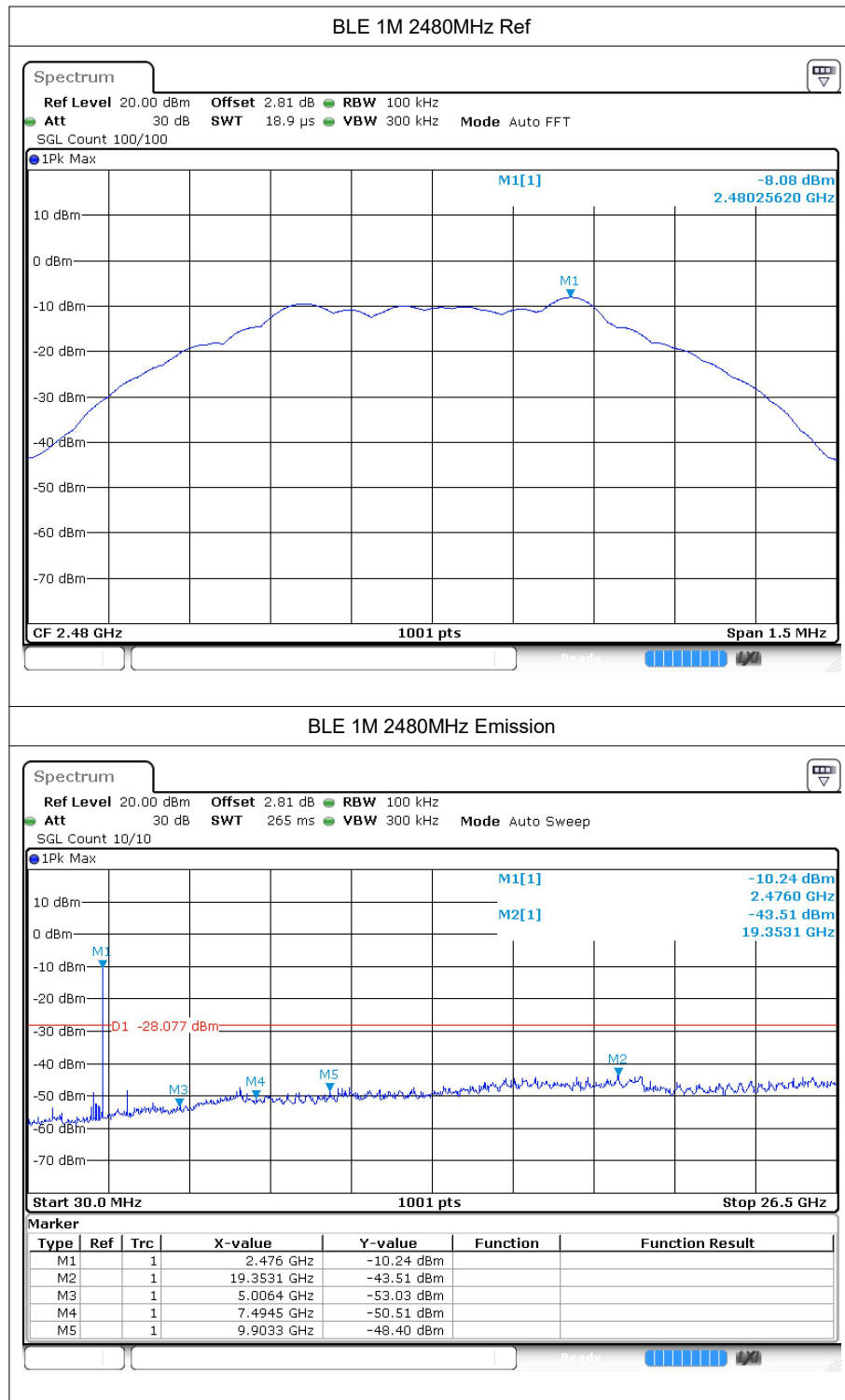
6.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-35.31	-20	Pass
BLE 1M	2440	-35.1	-20	Pass
BLE 1M	2480	-35.42	-20	Pass

6.2 Test Graphs







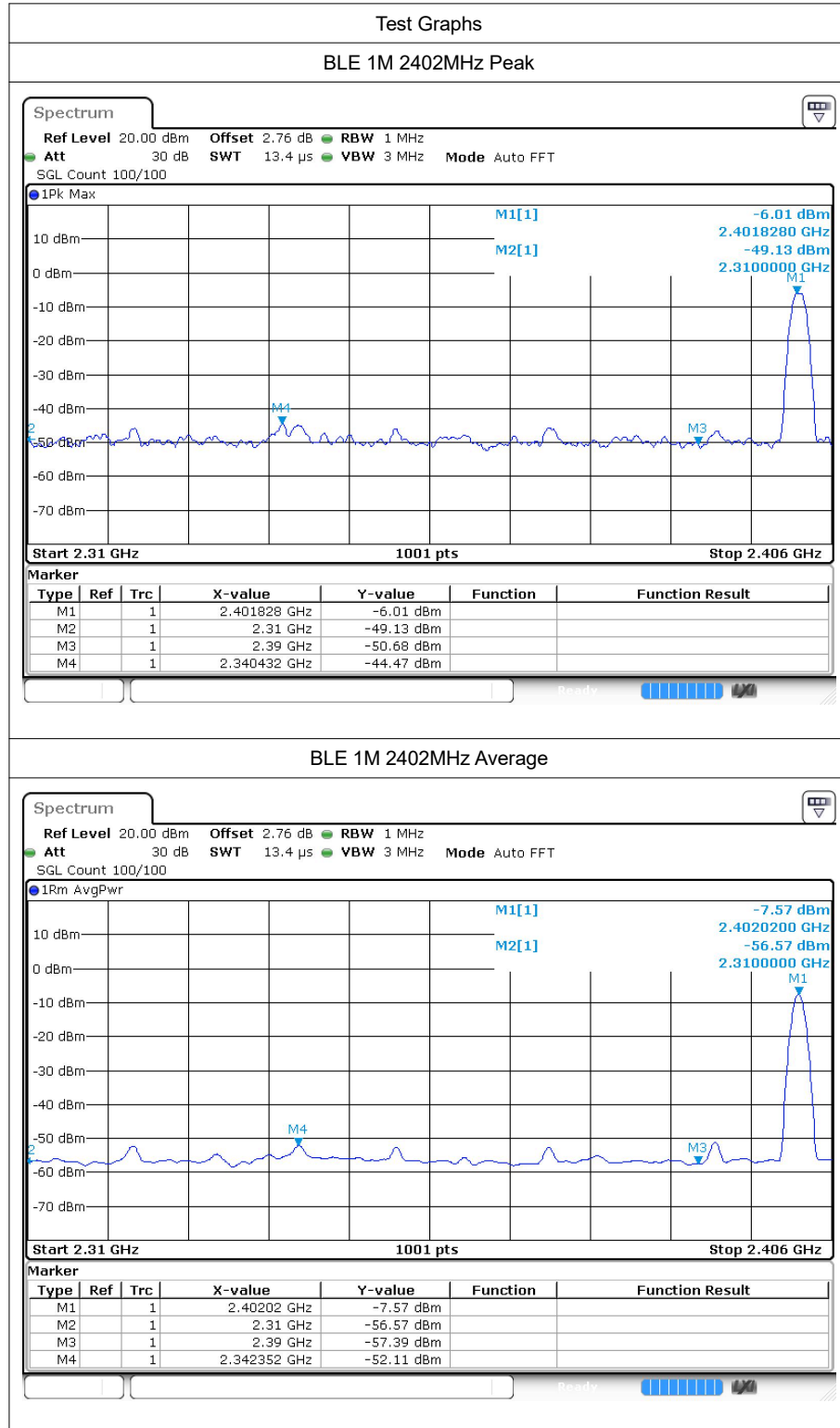


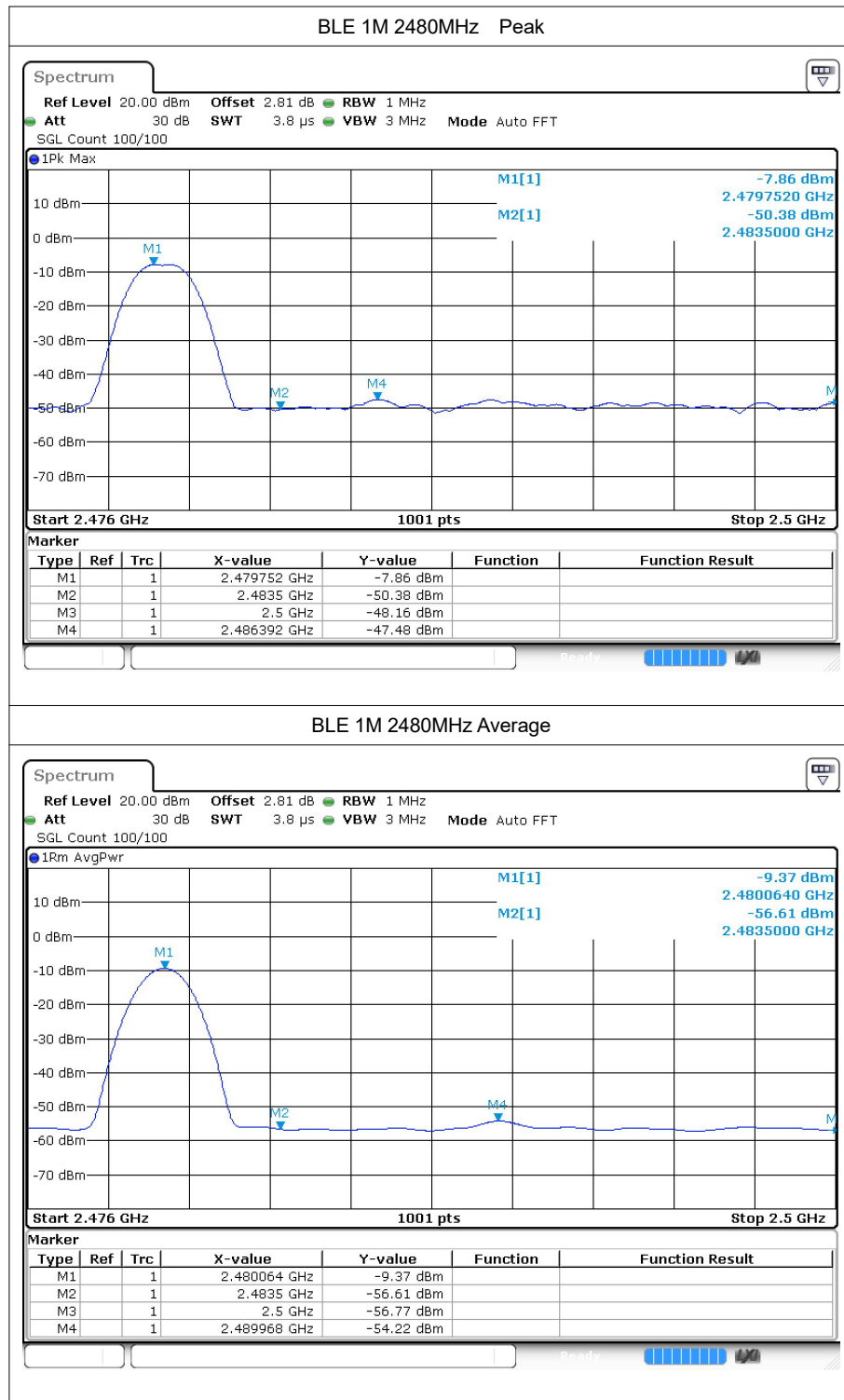
7 Restrict Band

7.1 Test Result

Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
BLE 1M	2402	2310	-49.13	2	-	48.13	Peak	74	Pass
BLE 1M	2402	2310	-56.57	2	0.61	41.3	Average	54	Pass
BLE 1M	2402	2340.432	-44.46	2	-	52.8	Peak	74	Pass
BLE 1M	2402	2342.352	-52.1	2	0.61	45.77	Average	54	Pass
BLE 1M	2402	2390	-50.68	2	-	46.58	Peak	74	Pass
BLE 1M	2402	2390	-57.39	2	0.61	40.48	Average	54	Pass
BLE 1M	2480	2483.5	-50.38	2	-	46.88	Peak	74	Pass
BLE 1M	2480	2483.5	-56.61	2	0.59	41.24	Average	54	Pass
BLE 1M	2480	2486.392	-47.48	2	-	49.78	Peak	74	Pass
BLE 1M	2480	2489.968	-54.21	2	0.59	43.64	Average	54	Pass
BLE 1M	2480	2500	-48.16	2	-	49.1	Peak	74	Pass
BLE 1M	2480	2500	-56.77	2	0.59	41.08	Average	54	Pass

7.2 Test Graphs





---The End---