



Appendix B

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

Product Name: Live sound card

Trade Mark: N/A

Test Model: F10

Environmental Conditions

Temperature:	25.6° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Emiya lin
Supervised by:	Simba Haung



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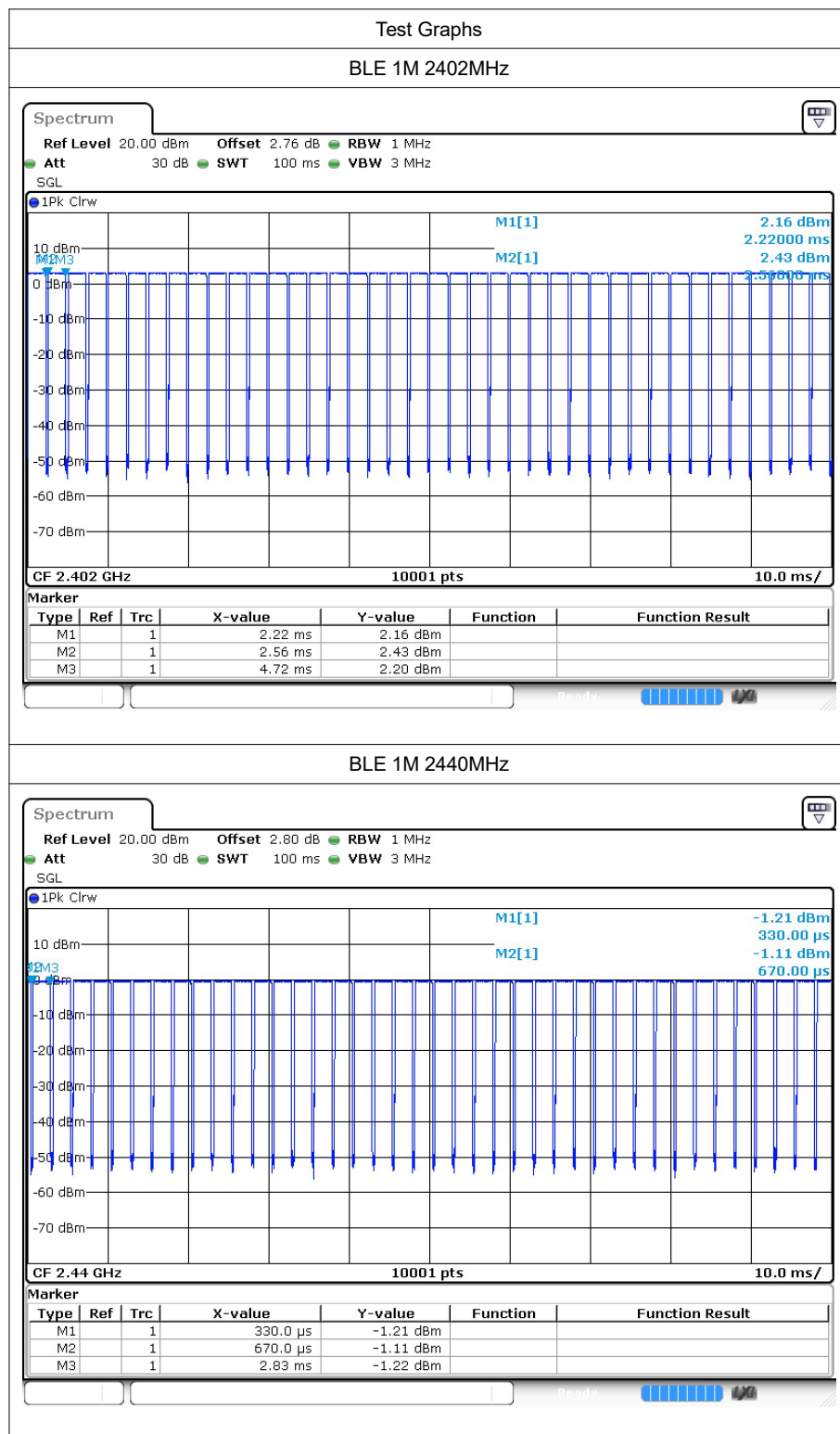


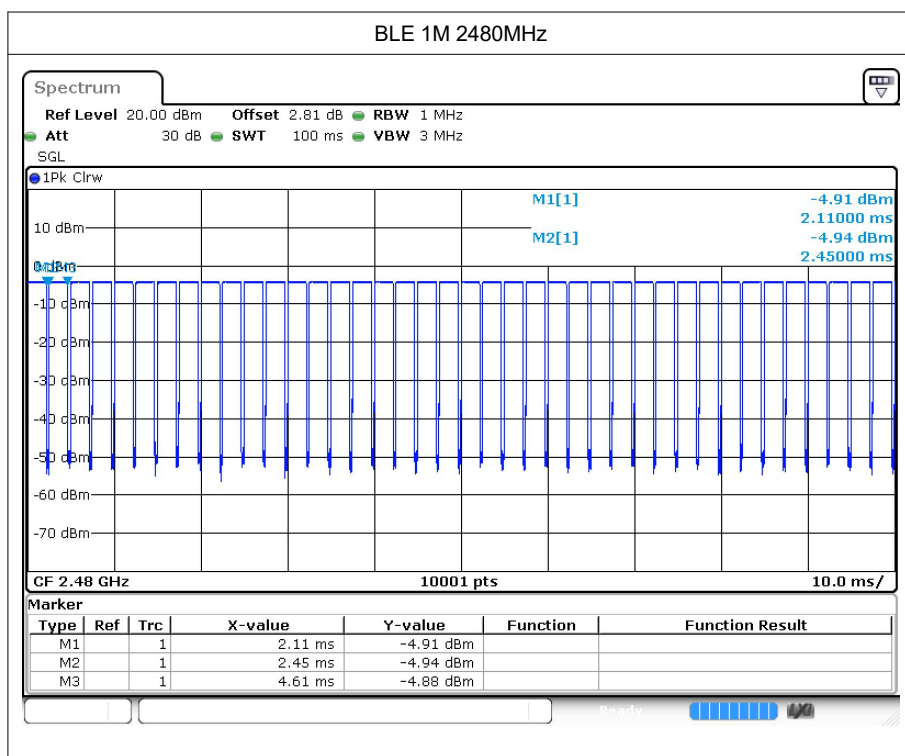
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor	1/T (kHz)
BLE 1M	2402	87.15	0.6	0.46
BLE 1M	2440	87.08	0.6	0.46
BLE 1M	2480	86.8	0.61	0.46

1.2 Test Graphs



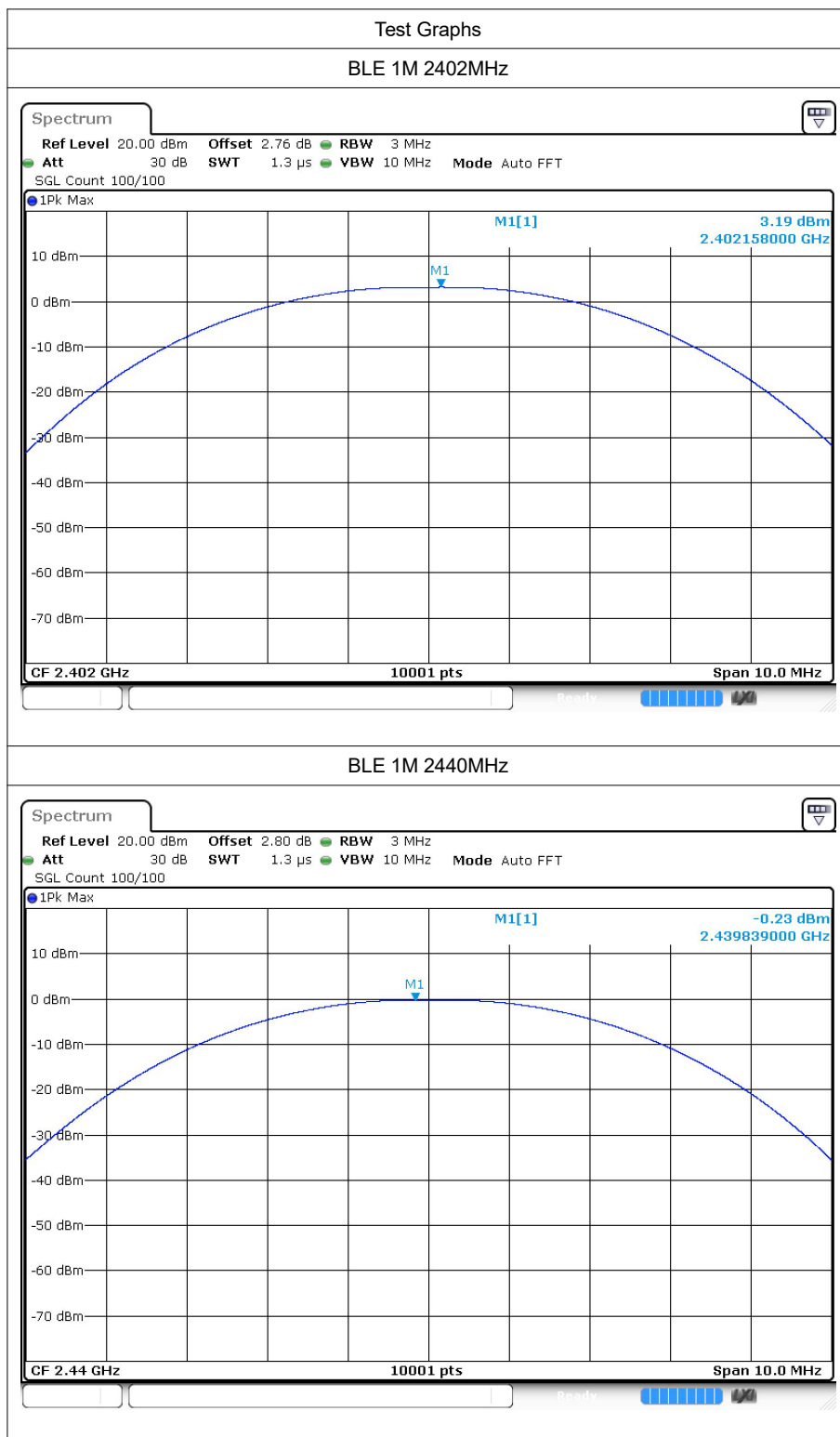


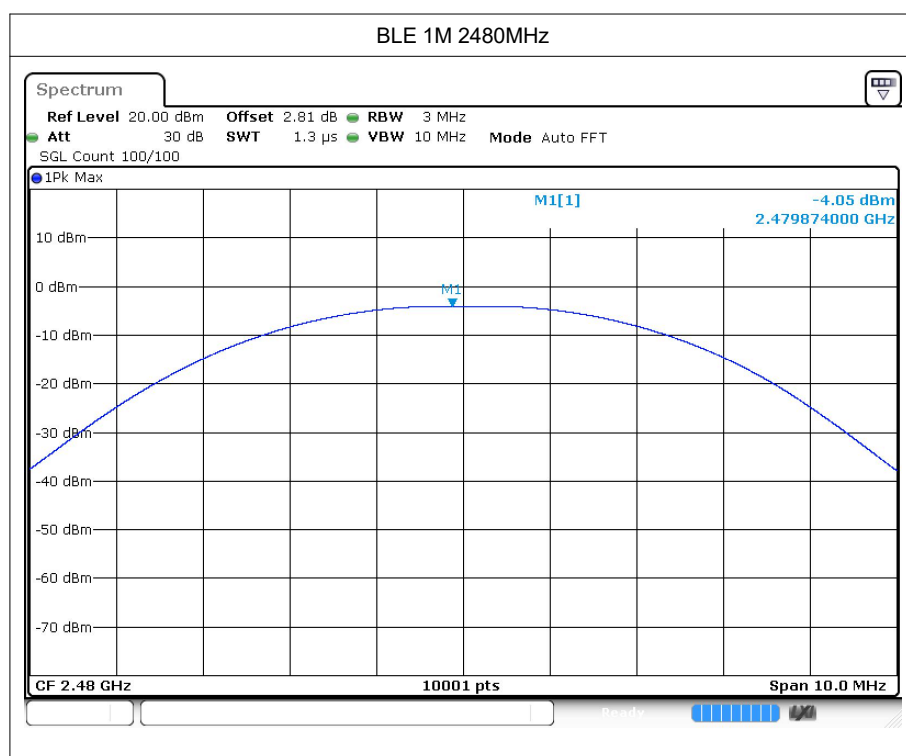
2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	3.19	30	Pass
BLE 1M	2440	-0.23	30	Pass
BLE 1M	2480	-4.05	30	Pass

2.2 Test Graphs





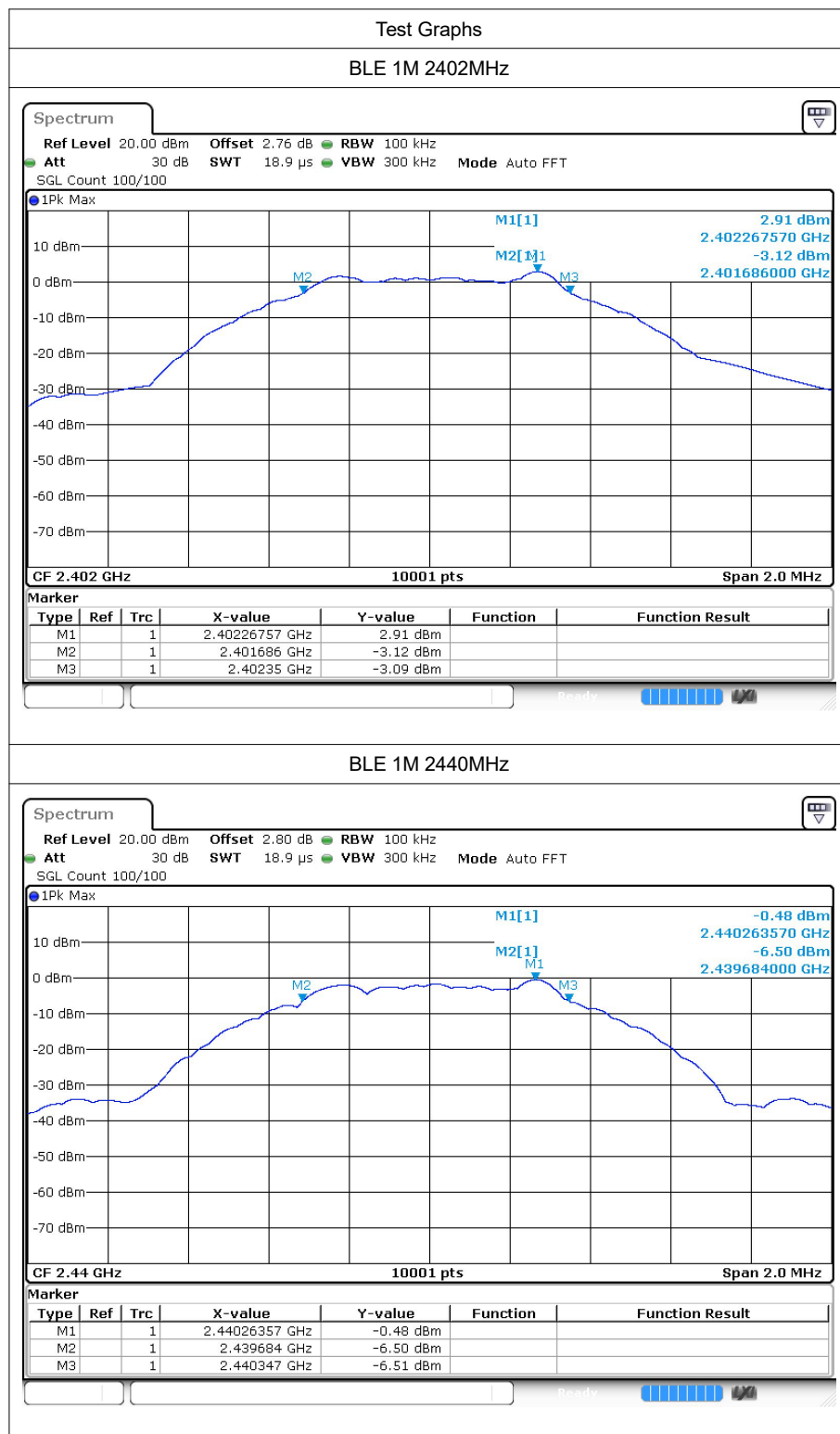


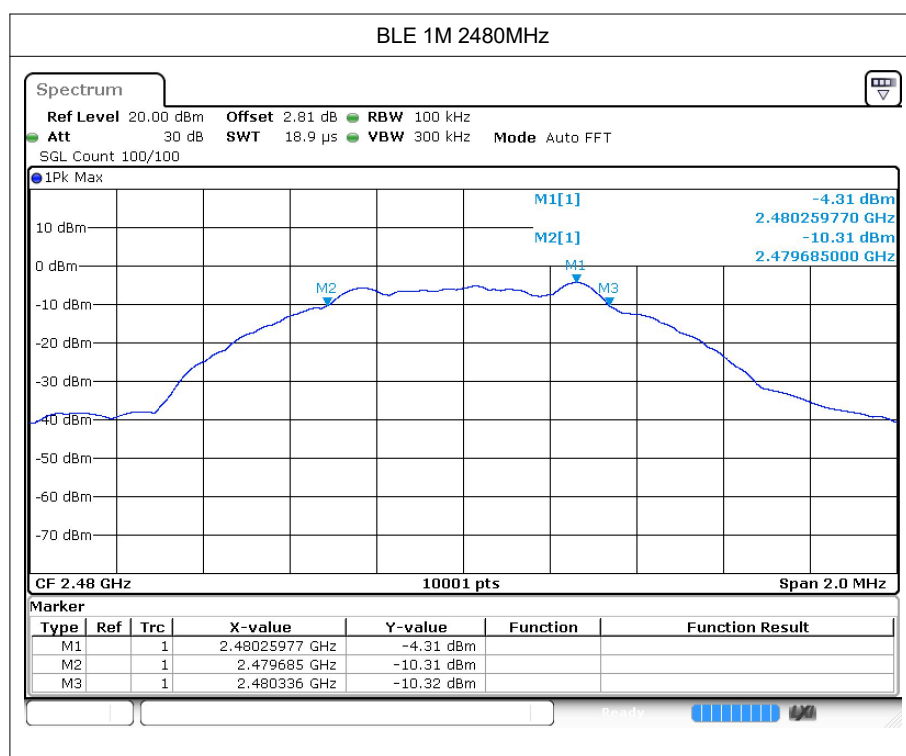
3 -6dB Bandwidth

3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.664	0.5	Pass
BLE 1M	2440	0.662	0.5	Pass
BLE 1M	2480	0.651	0.5	Pass

3.2 Test Graphs



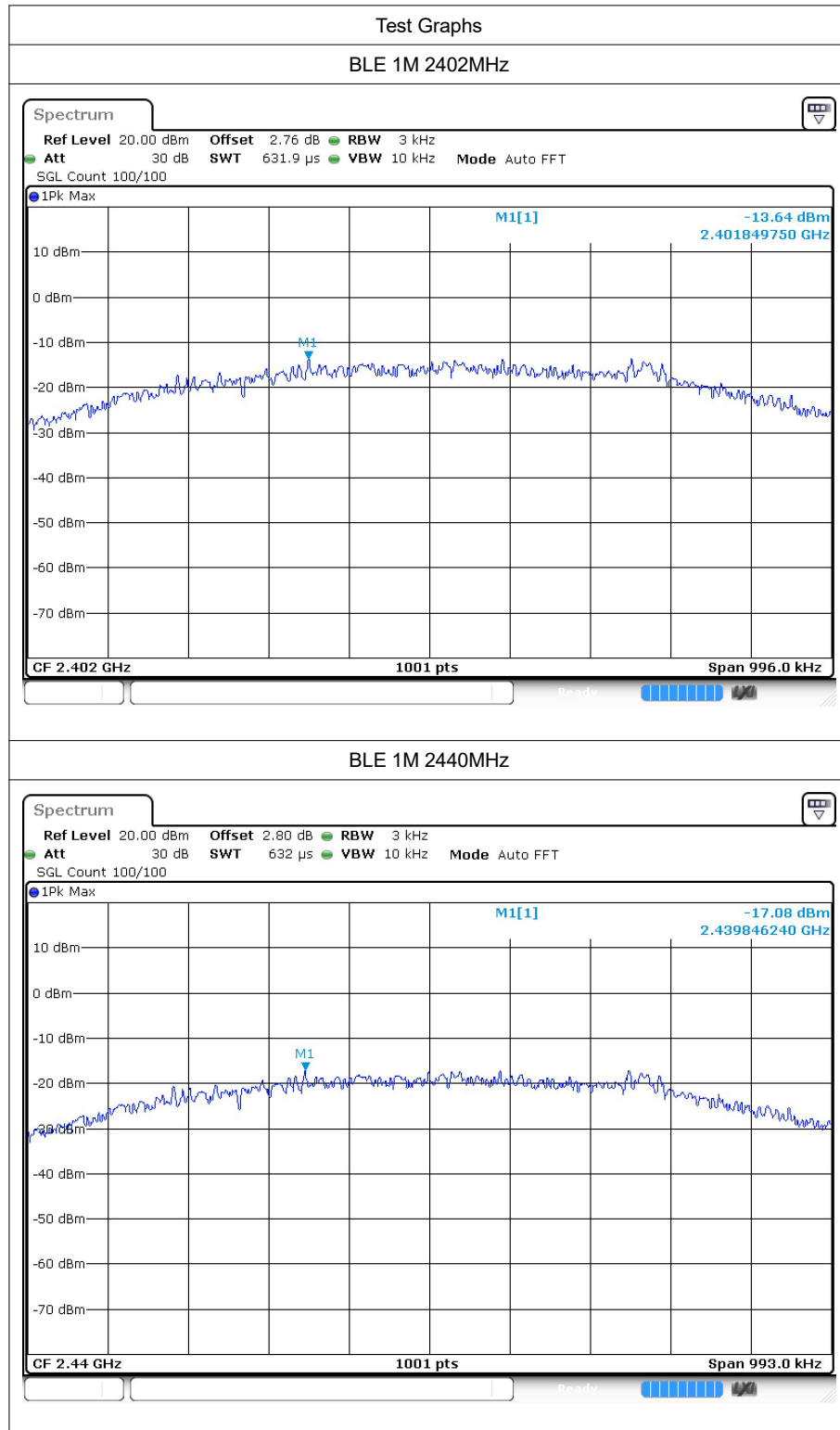


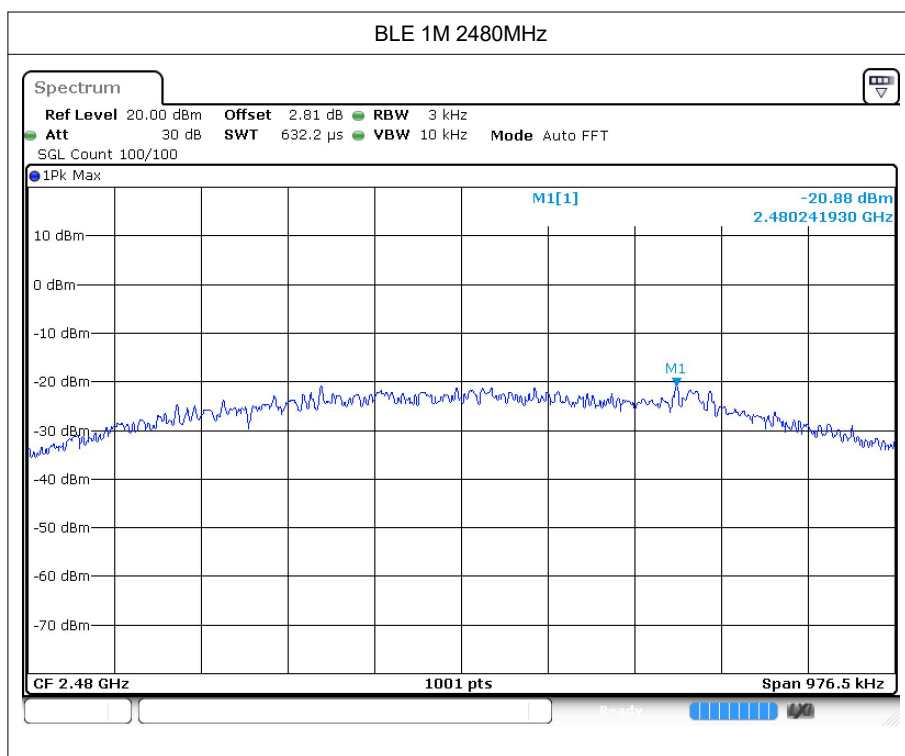
4 Maximum Power Spectral Density Level

4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-13.64	≤ 8	Pass
BLE 1M	2440	-17.08	≤ 8	Pass
BLE 1M	2480	-20.88	≤ 8	Pass

4.2 Test Graphs





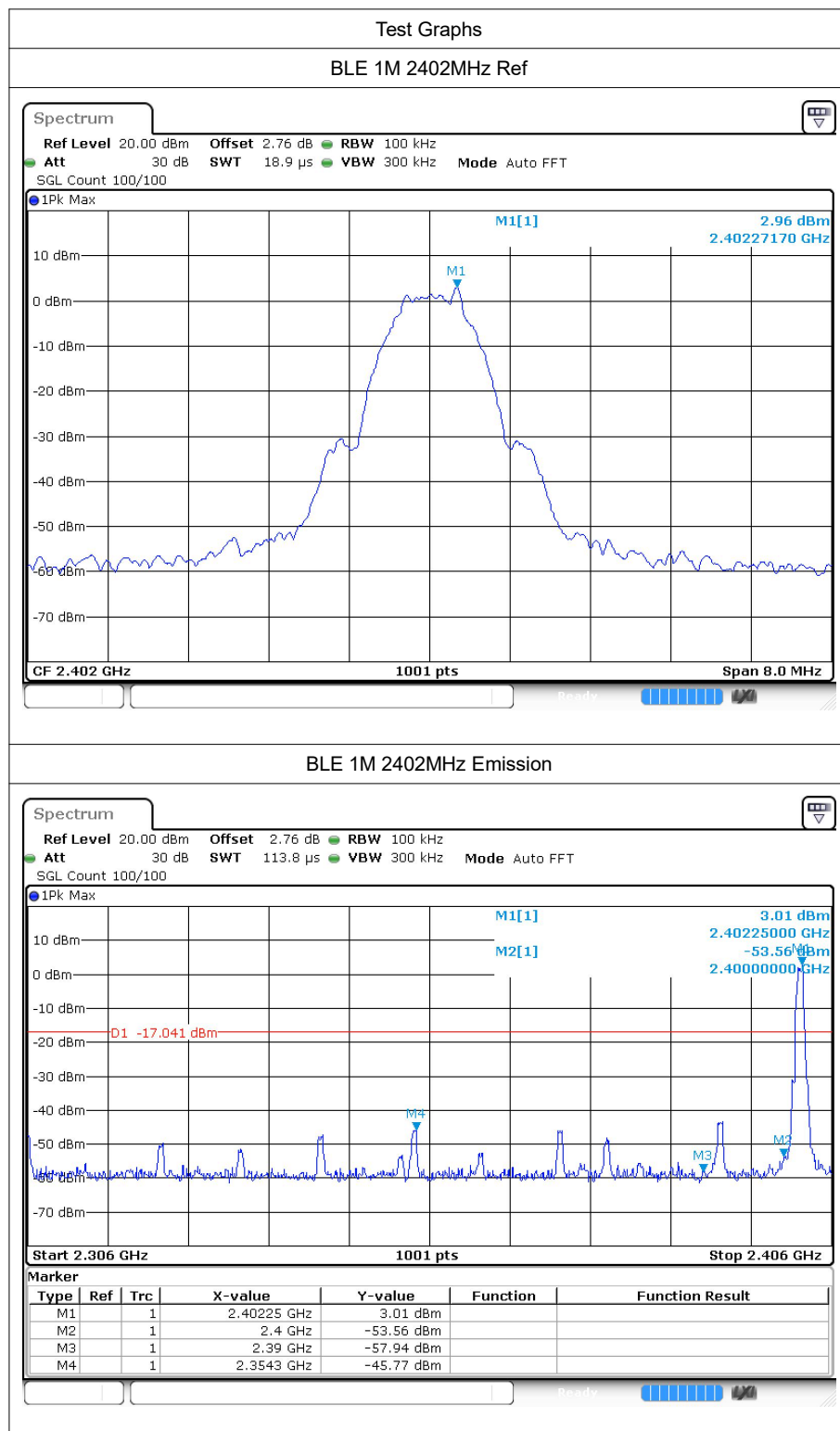


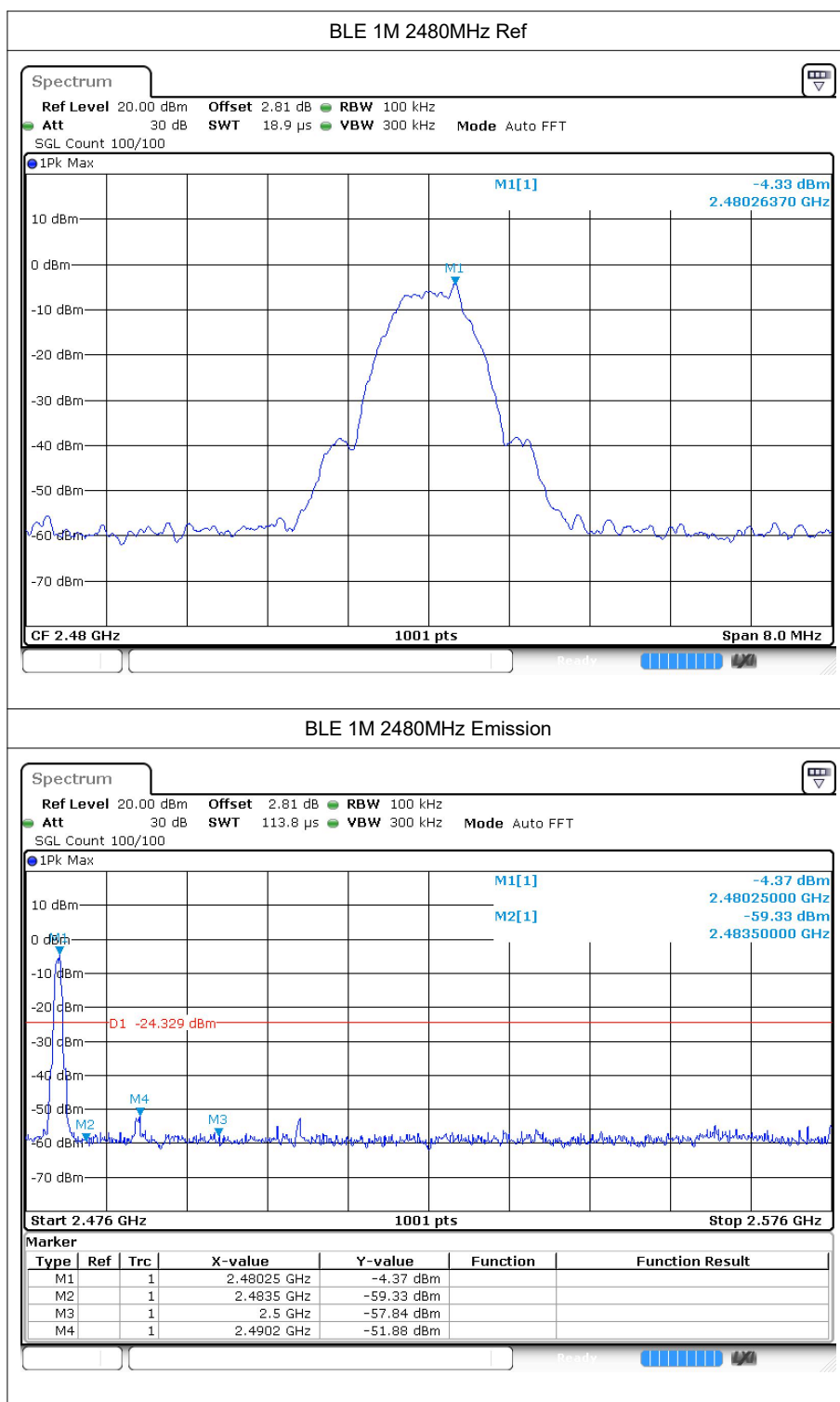
5 Band Edge

5.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-48.73	-20	Pass
BLE 1M	2480	-47.54	-20	Pass

5.2 Test Graphs



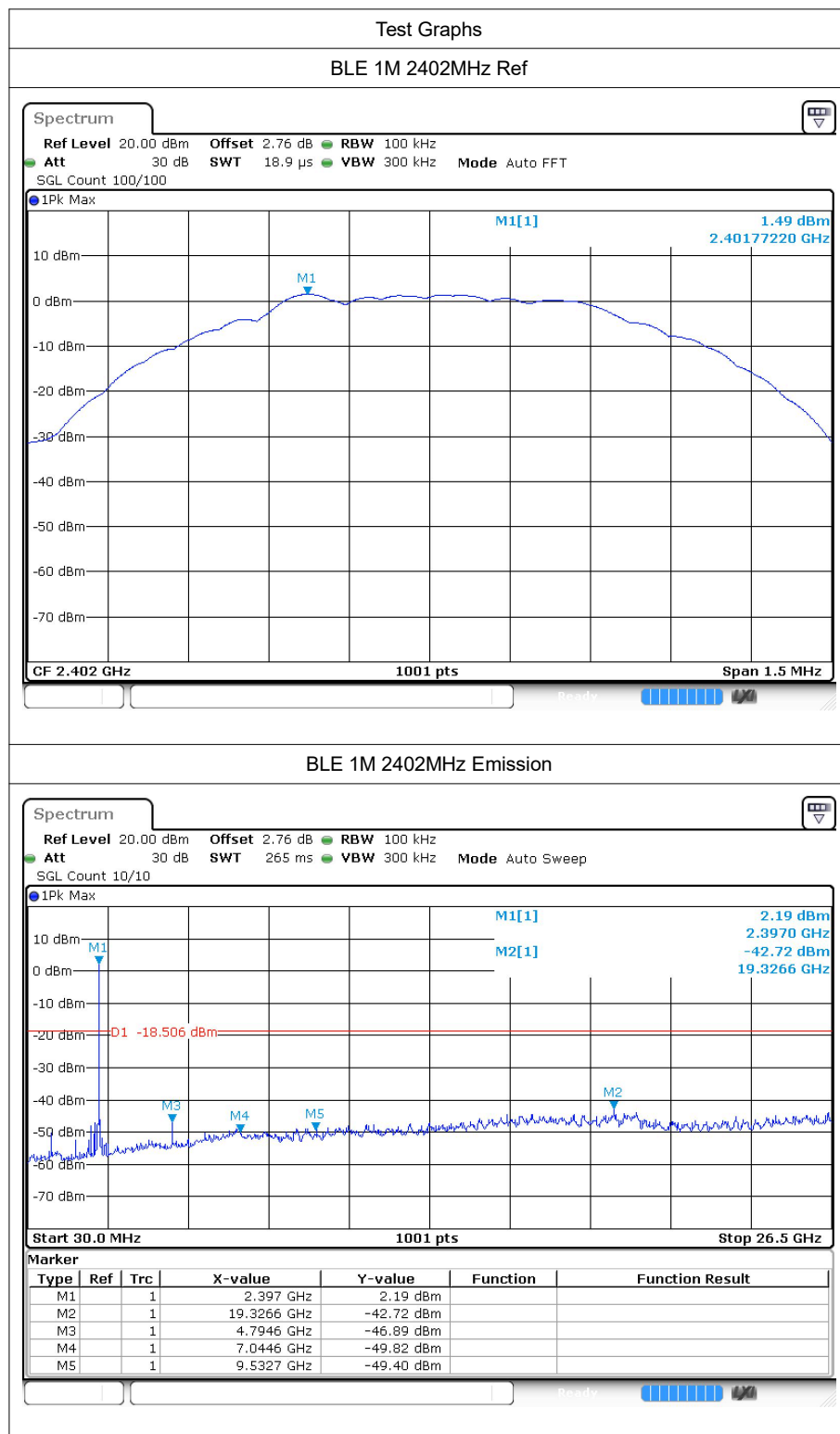


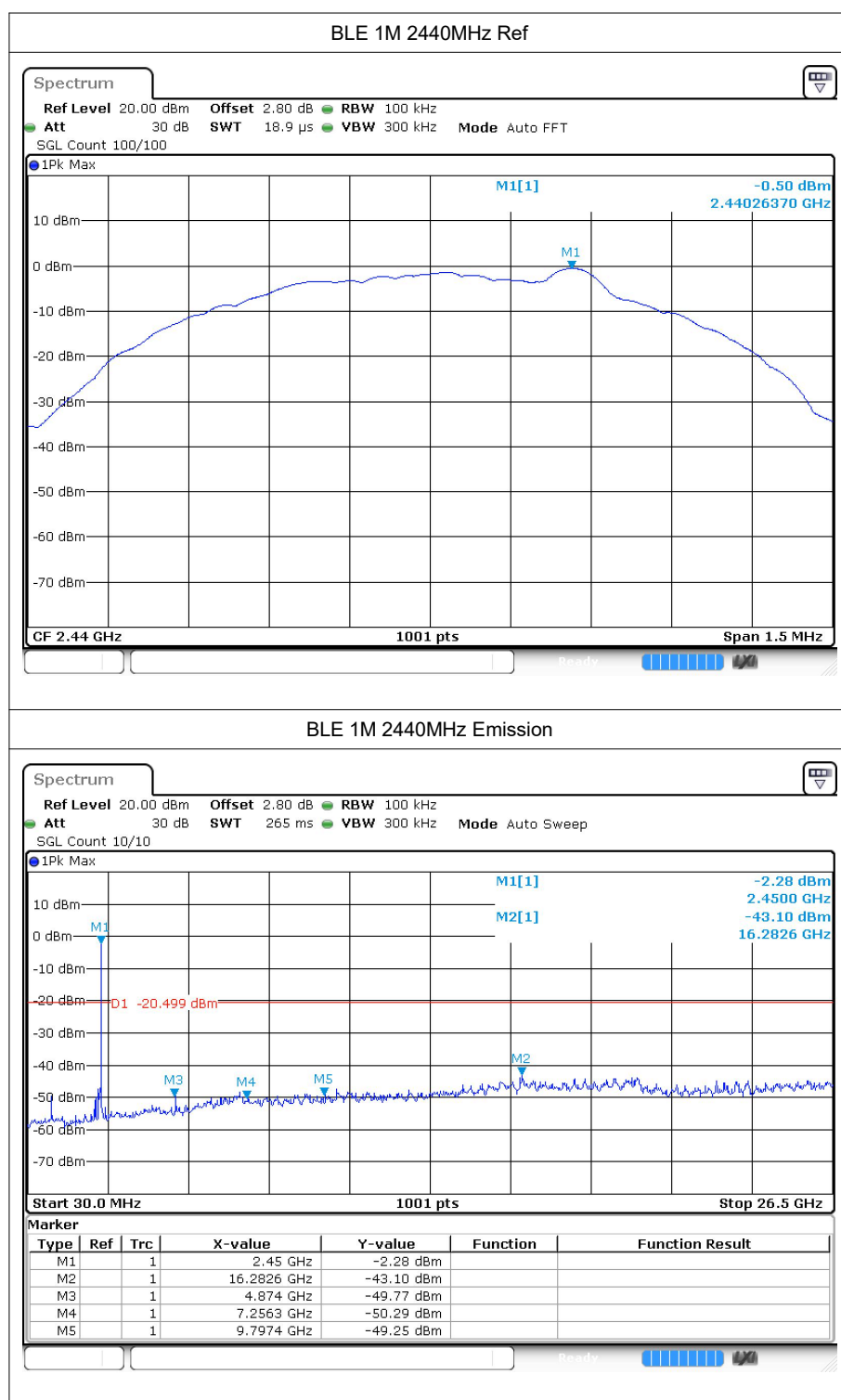
6 Conducted RF Spurious Emission

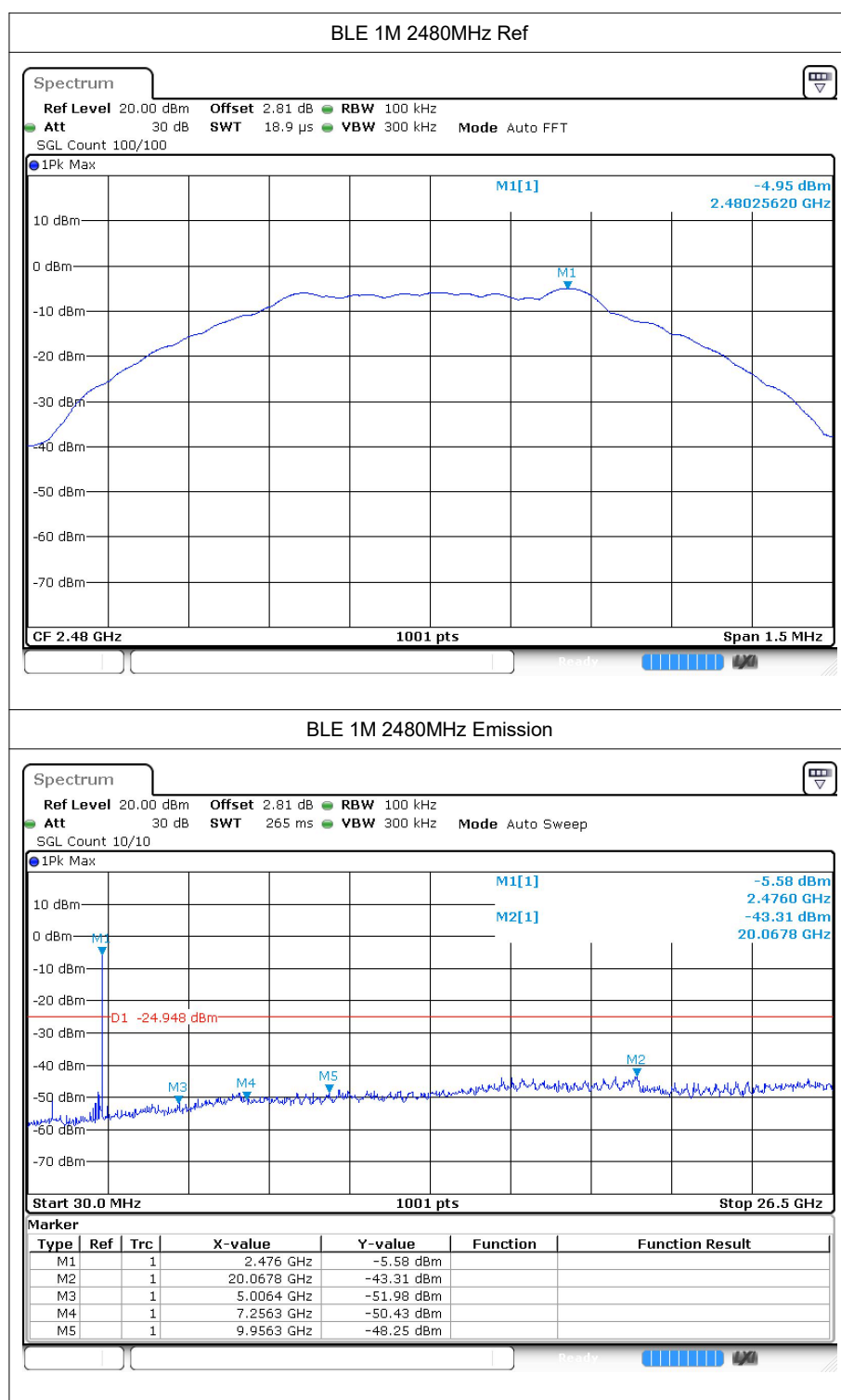
6.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-44.2	-20	Pass
BLE 1M	2440	-42.59	-20	Pass
BLE 1M	2480	-38.36	-20	Pass

6.2 Test Graphs







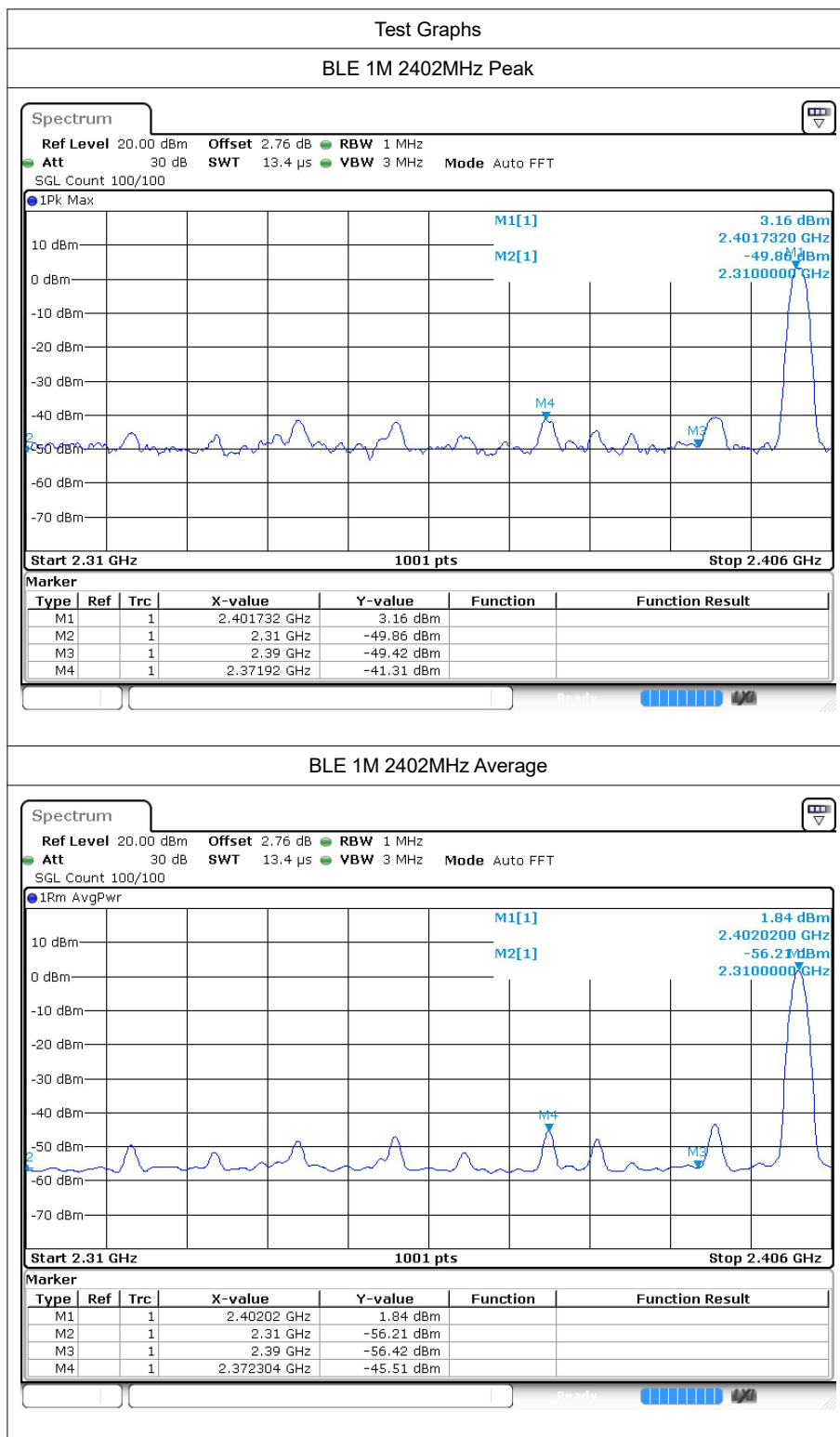


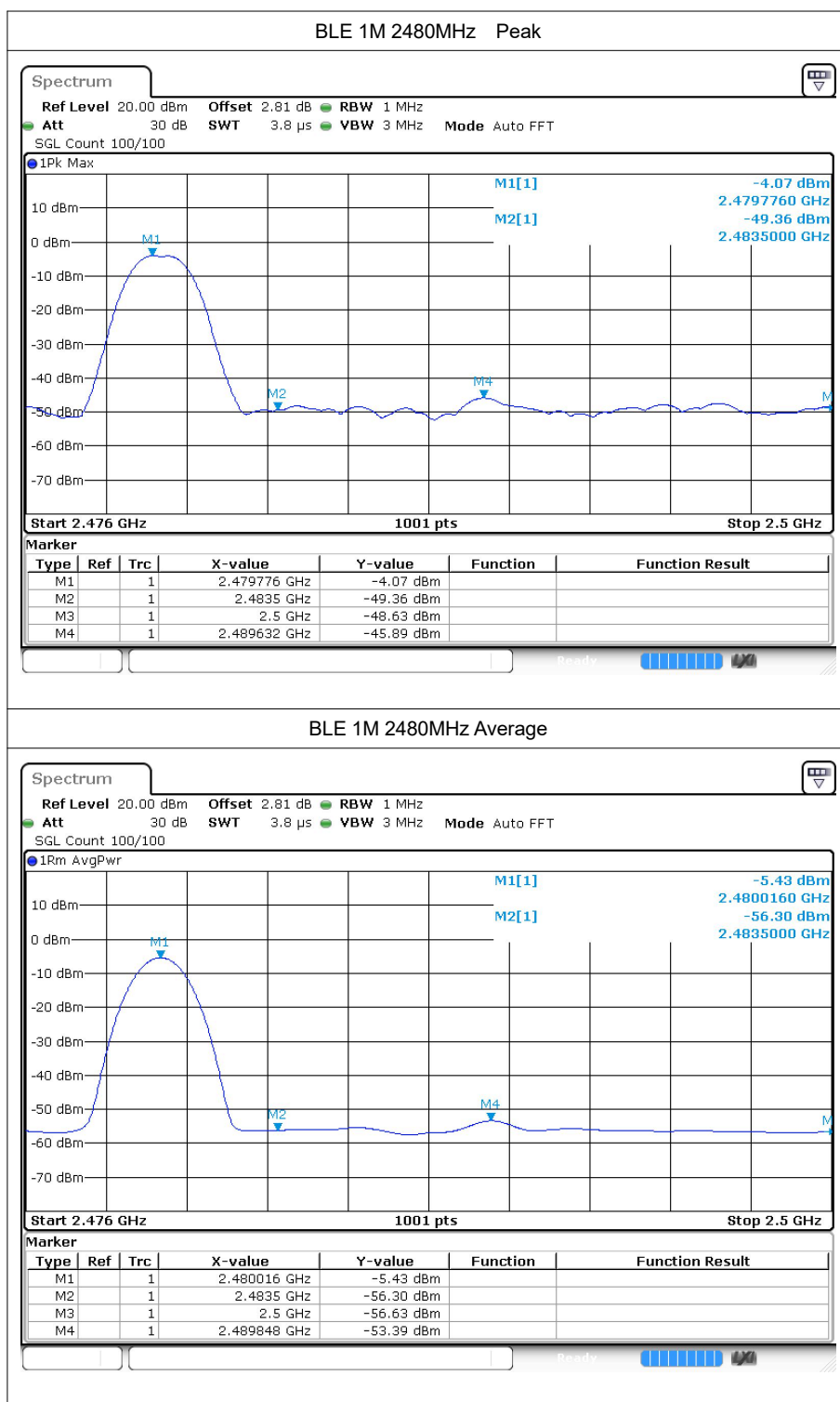
7 Restrict Band

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	-49.86	2	-	47.4	Peak	74	Pass
BLE 1M	2402	2310	-56.21	2	0.6	41.65	Average	54	Pass
BLE 1M	2402	2371.92	-41.31	2	-	55.95	Peak	74	Pass
BLE 1M	2402	2372.304	-45.5	2	0.6	52.36	Average	54	Pass
BLE 1M	2402	2390	-49.42	2	-	47.84	Peak	74	Pass
BLE 1M	2402	2390	-56.42	2	0.6	41.44	Average	54	Pass
BLE 1M	2480	2483.5	-49.36	2	-	47.9	Peak	74	Pass
BLE 1M	2480	2483.5	-56.3	2	0.61	41.57	Average	54	Pass
BLE 1M	2480	2489.632	-45.88	2	-	51.38	Peak	74	Pass
BLE 1M	2480	2489.848	-53.39	2	0.61	44.48	Average	54	Pass
BLE 1M	2480	2500	-48.63	2	-	48.63	Peak	74	Pass
BLE 1M	2480	2500	-56.63	2	0.61	41.24	Average	54	Pass

7.2 Test Graphs





---The End---