



Test Data _Appendix B

RF Test Data for BLE (Conducted Measurement)

Product Name: Smart POS Terminal

Test Model: P10

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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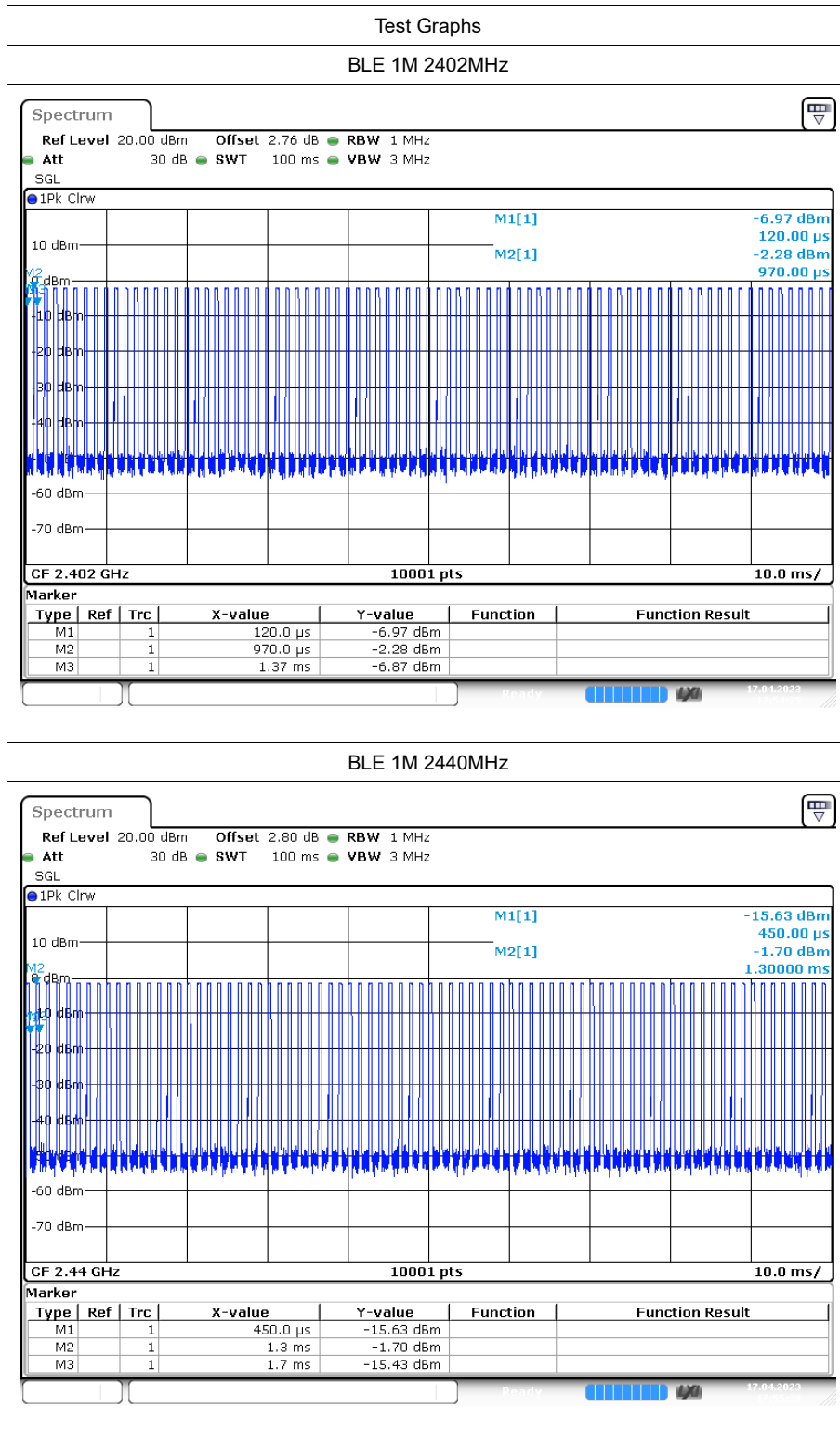


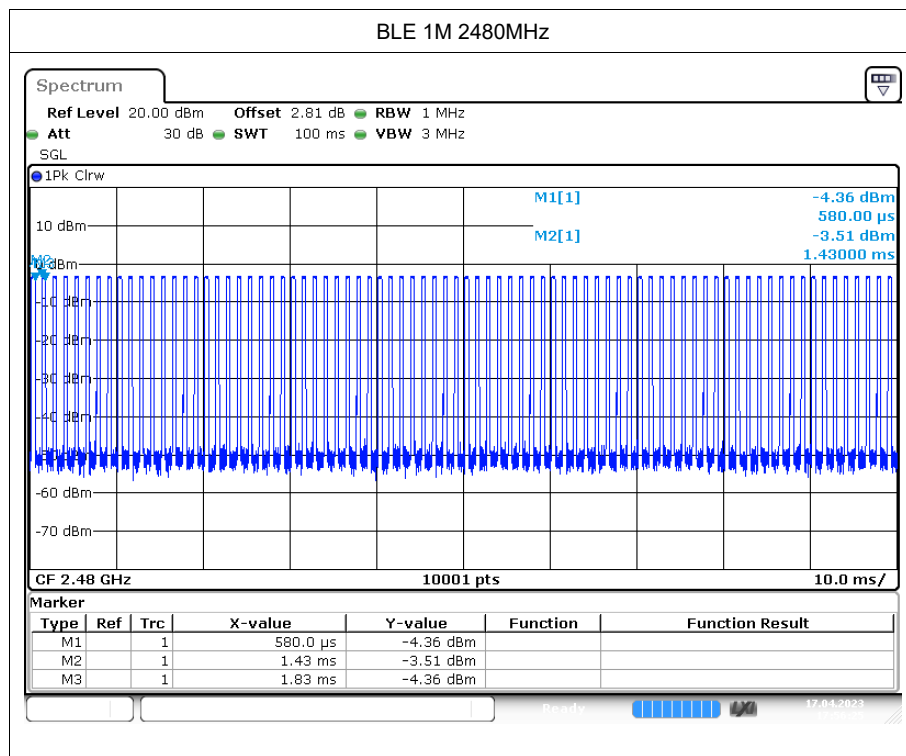
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	1/T (kHz)
BLE 1M	2402	32.81	2.5
BLE 1M	2440	32.8	2.5
BLE 1M	2480	32.8	2.5

1.2 Test Graphs





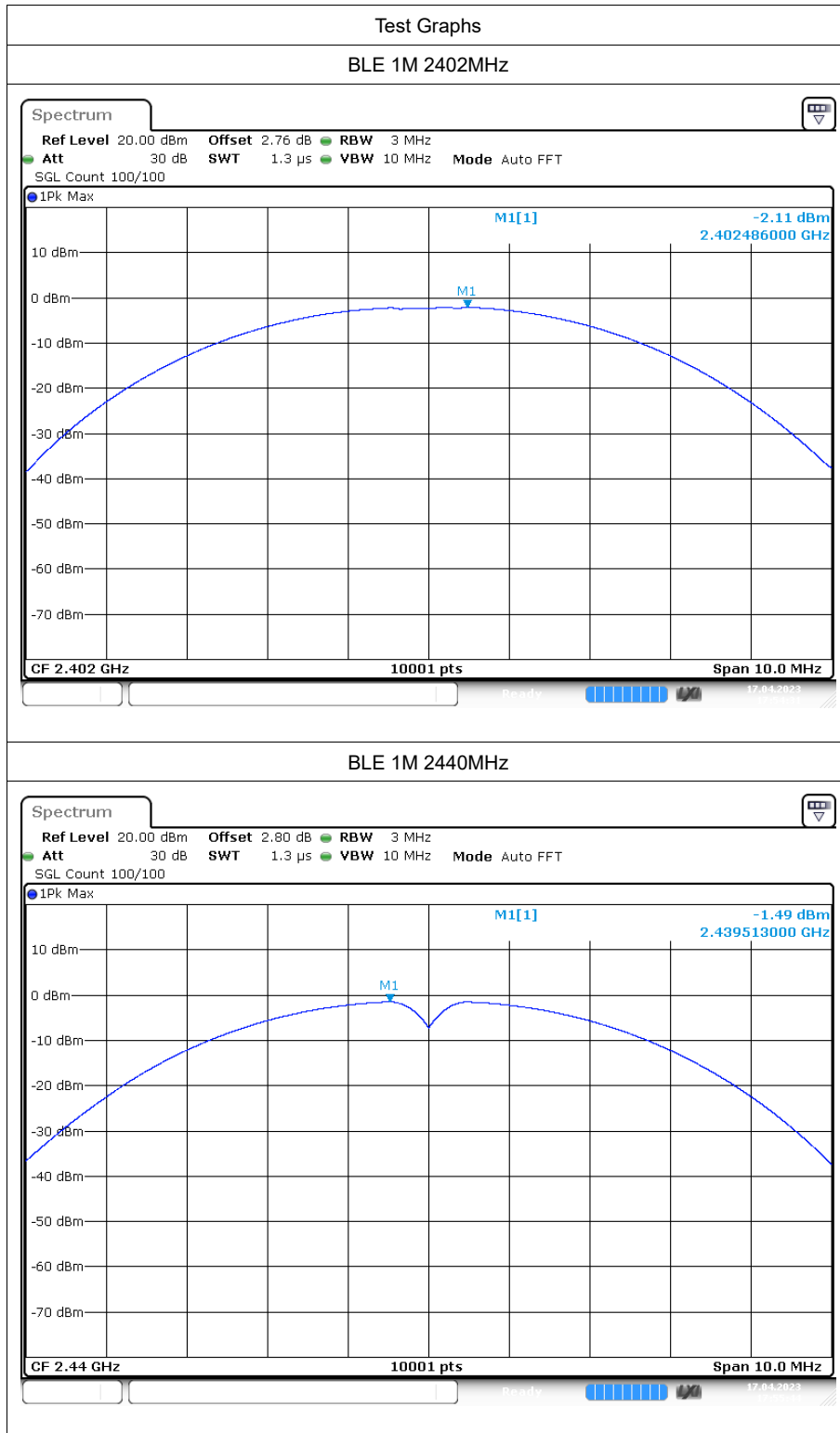


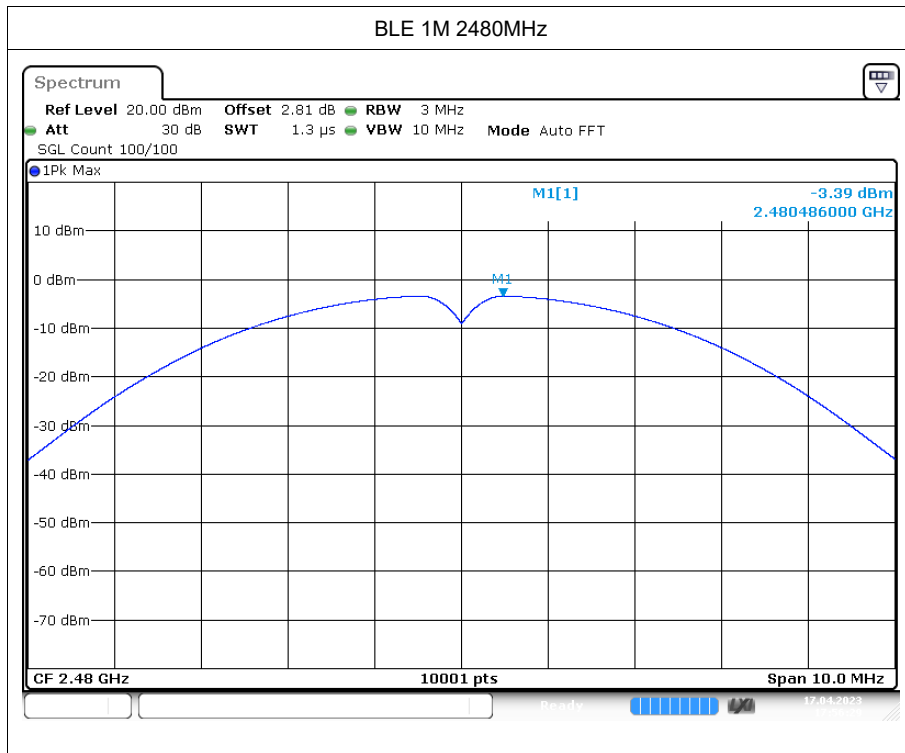
2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	-2.11	30	Pass
BLE 1M	2440	-1.49	30	Pass
BLE 1M	2480	-3.39	30	Pass

2.2 Test Graphs





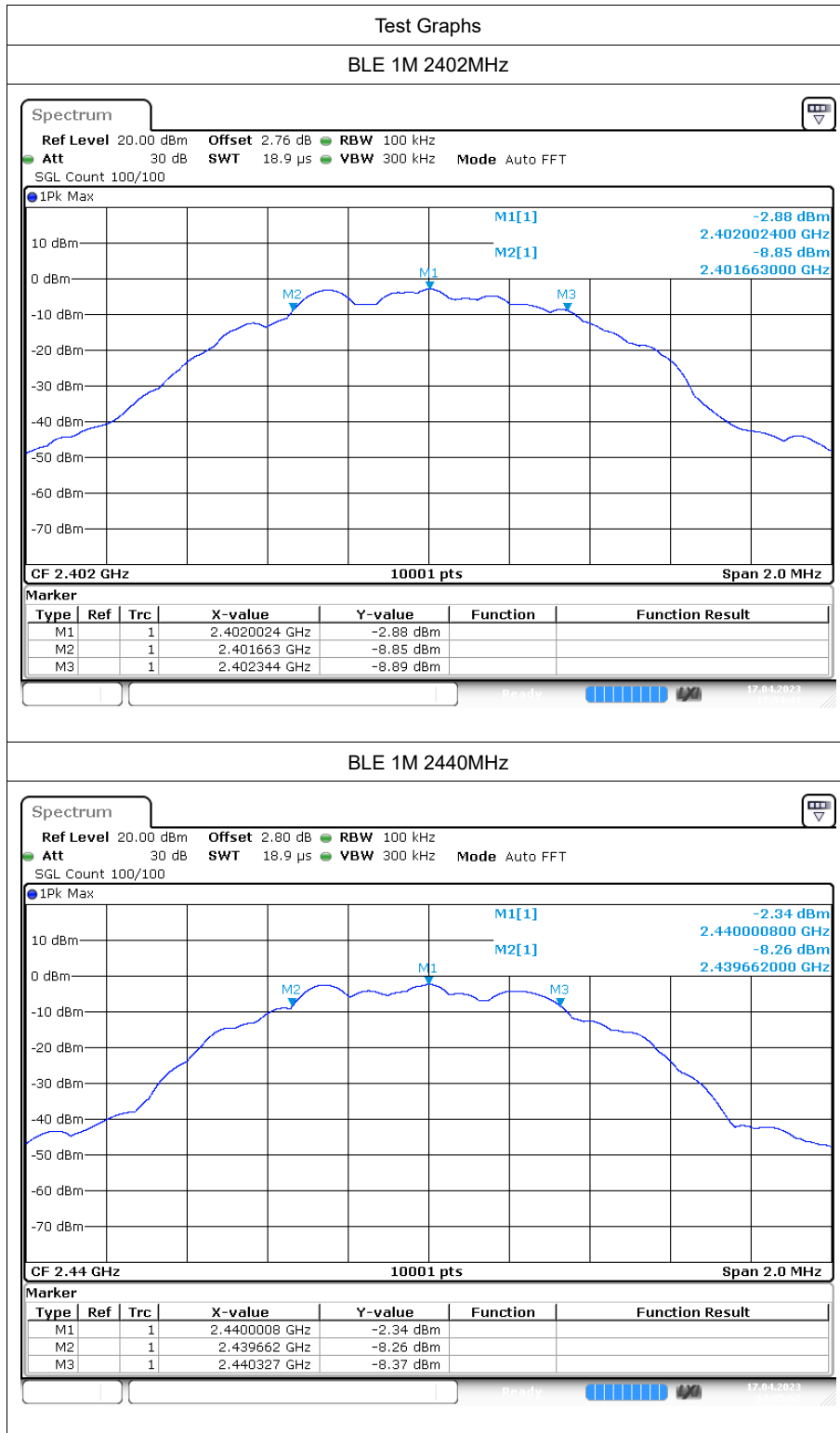


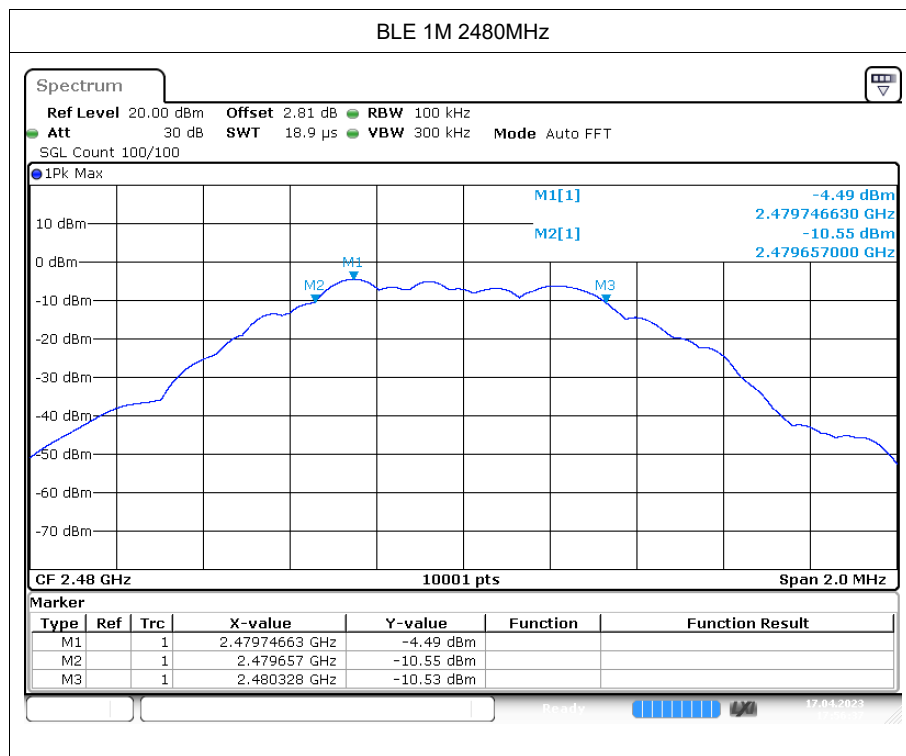
3 -6dB Bandwidth

3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.681	0.5	Pass
BLE 1M	2440	0.665	0.5	Pass
BLE 1M	2480	0.67	0.5	Pass

3.2 Test Graphs





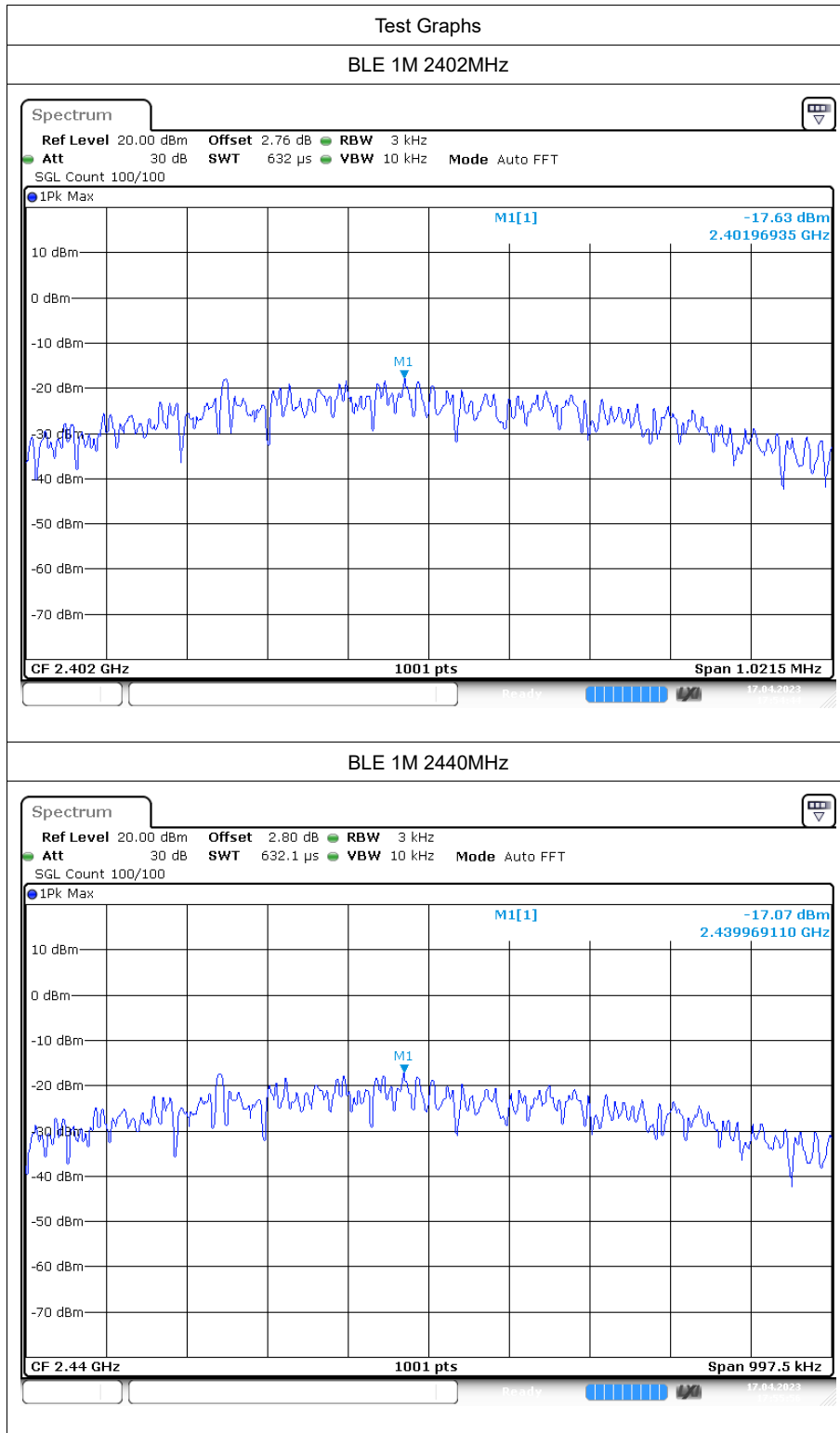


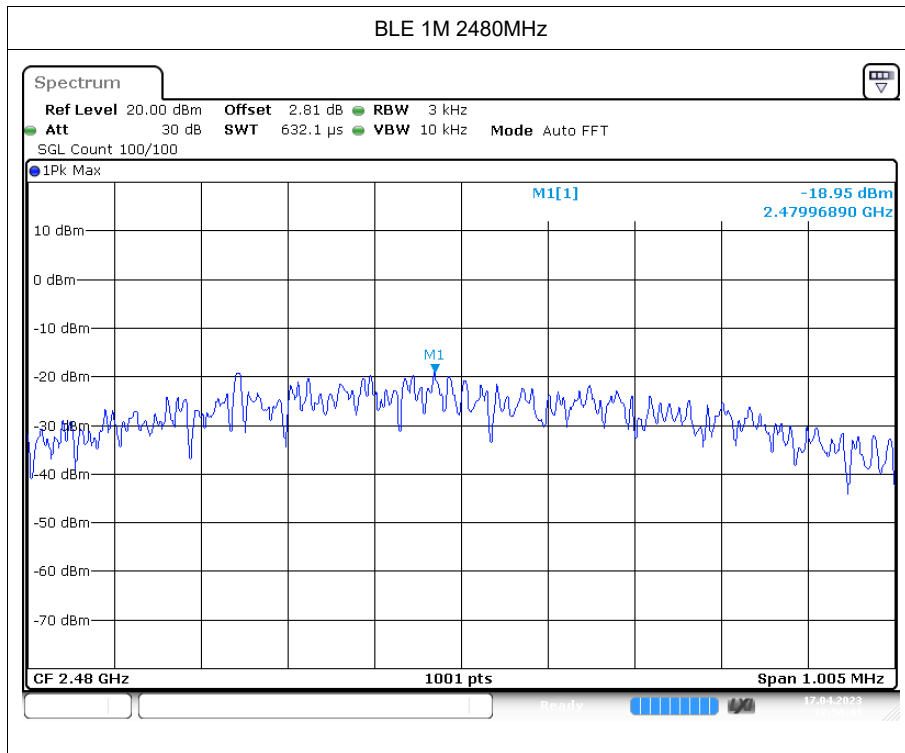
4 Maximum Power Spectral Density Level

4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-17.63	≤ 8	Pass
BLE 1M	2440	-17.07	≤ 8	Pass
BLE 1M	2480	-18.95	≤ 8	Pass

4.2 Test Graphs





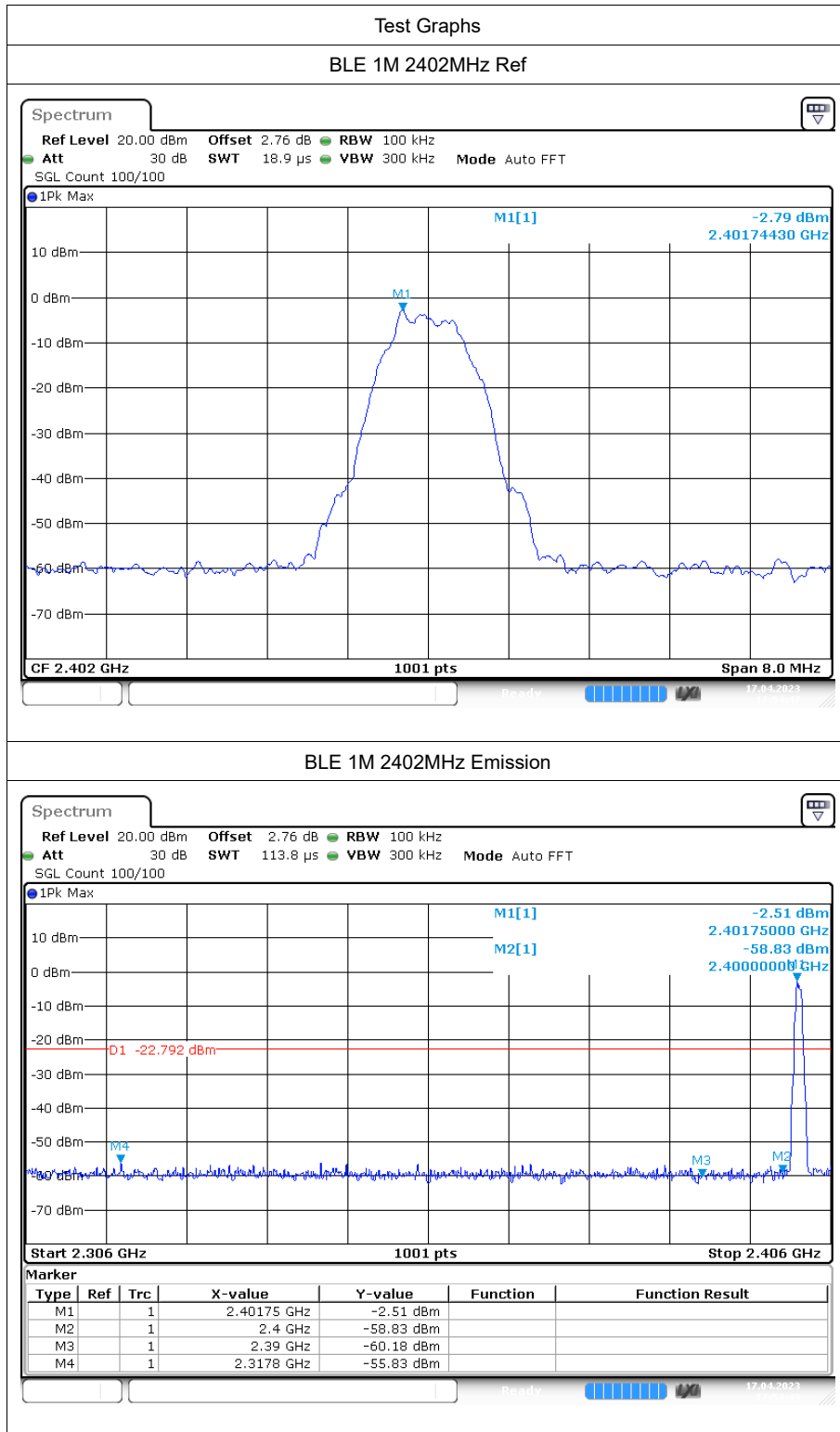


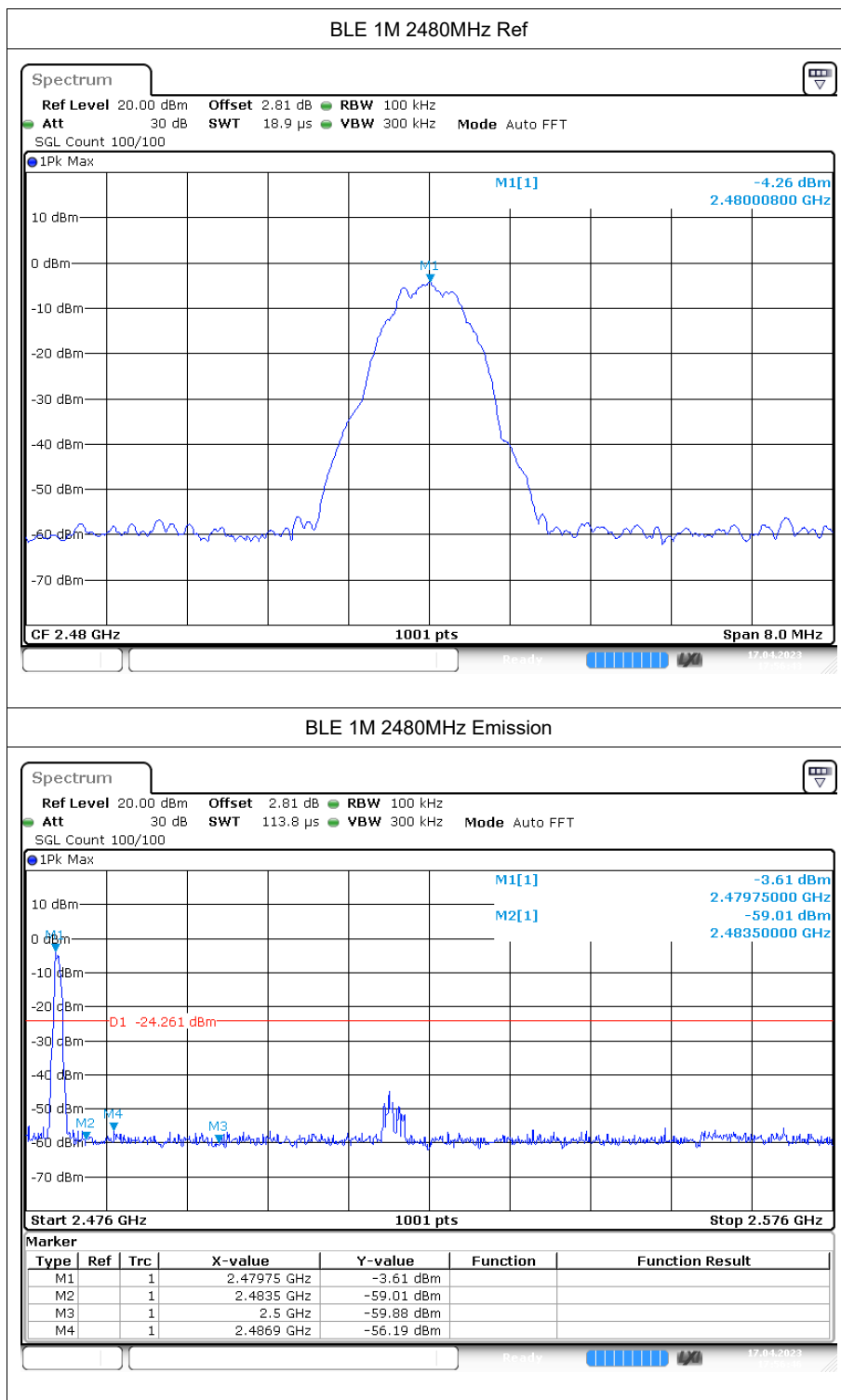
5 Band Edge

5.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-53.04	-20	Pass
BLE 1M	2480	-51.92	-20	Pass

5.2 Test Graphs





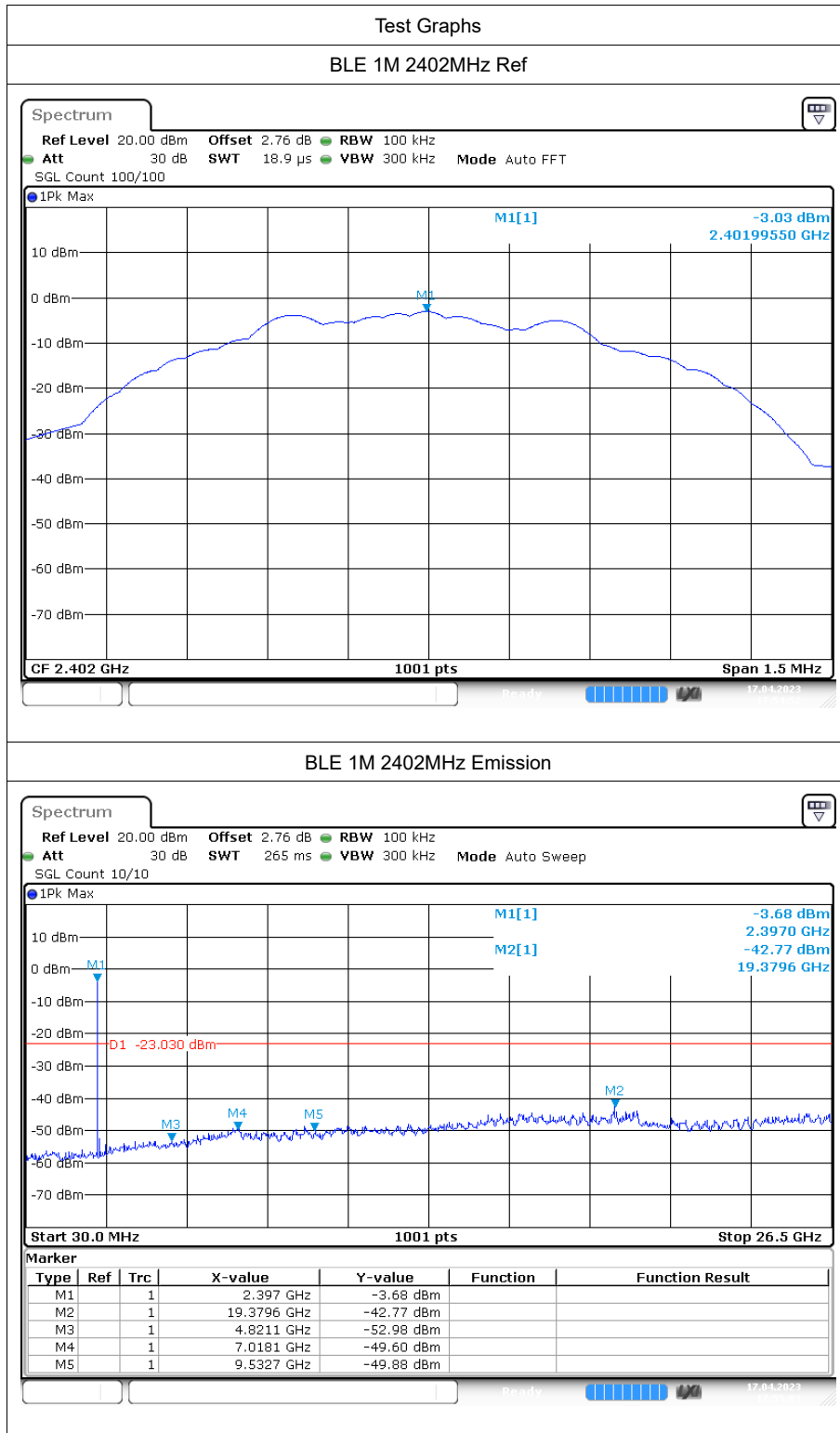


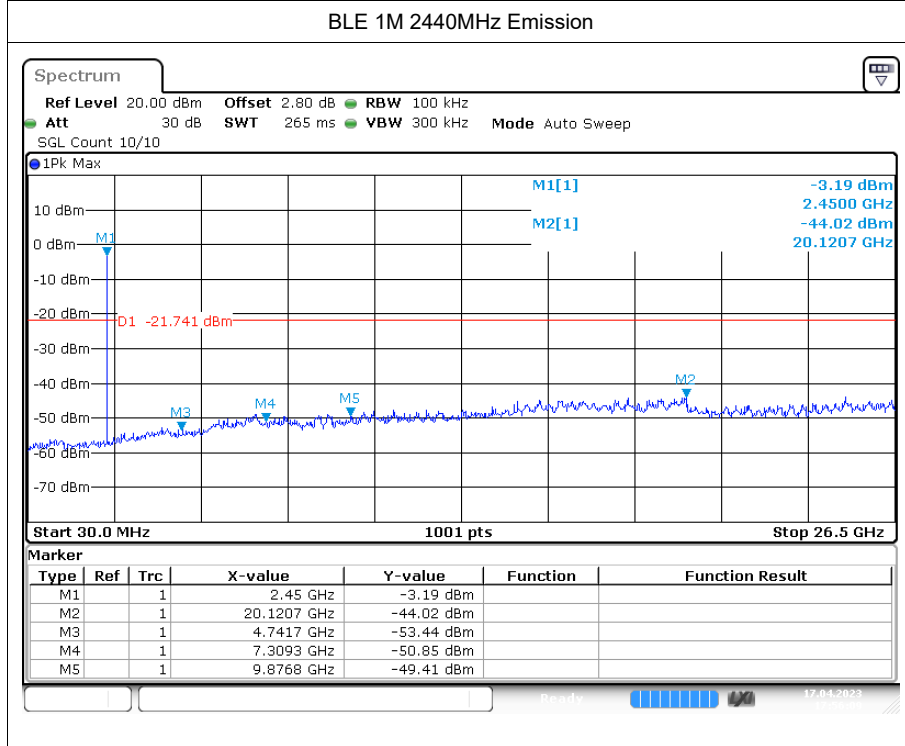
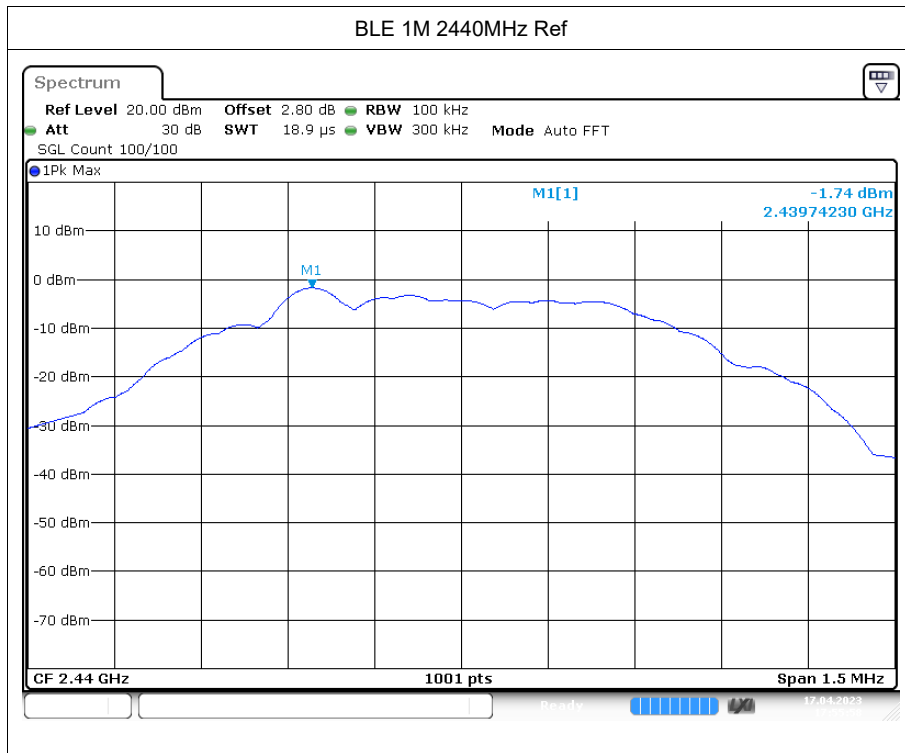
6 Conducted RF Spurious Emission

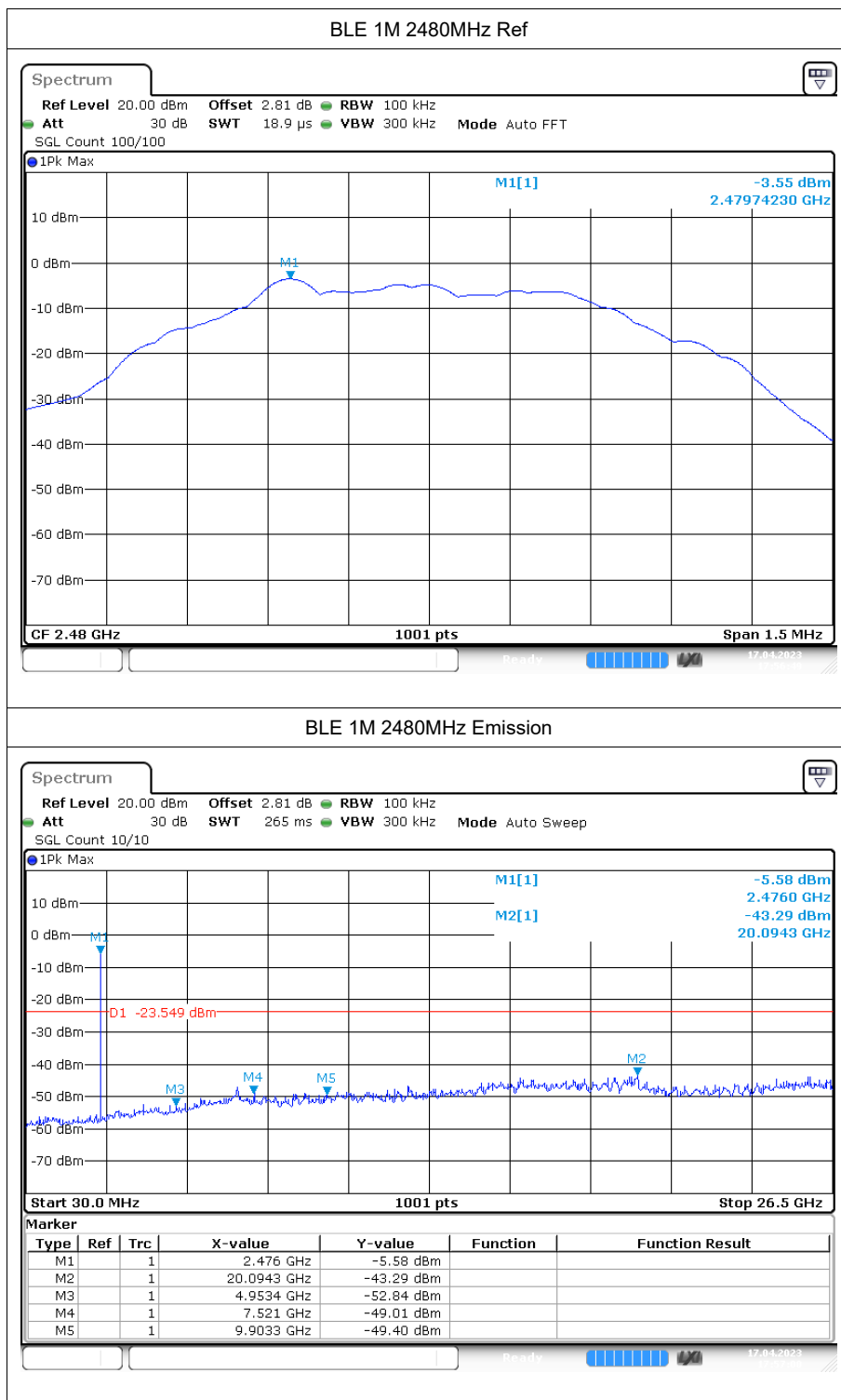
6.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-39.73	-20	Pass
BLE 1M	2440	-42.28	-20	Pass
BLE 1M	2480	-39.74	-20	Pass

6.2 Test Graphs







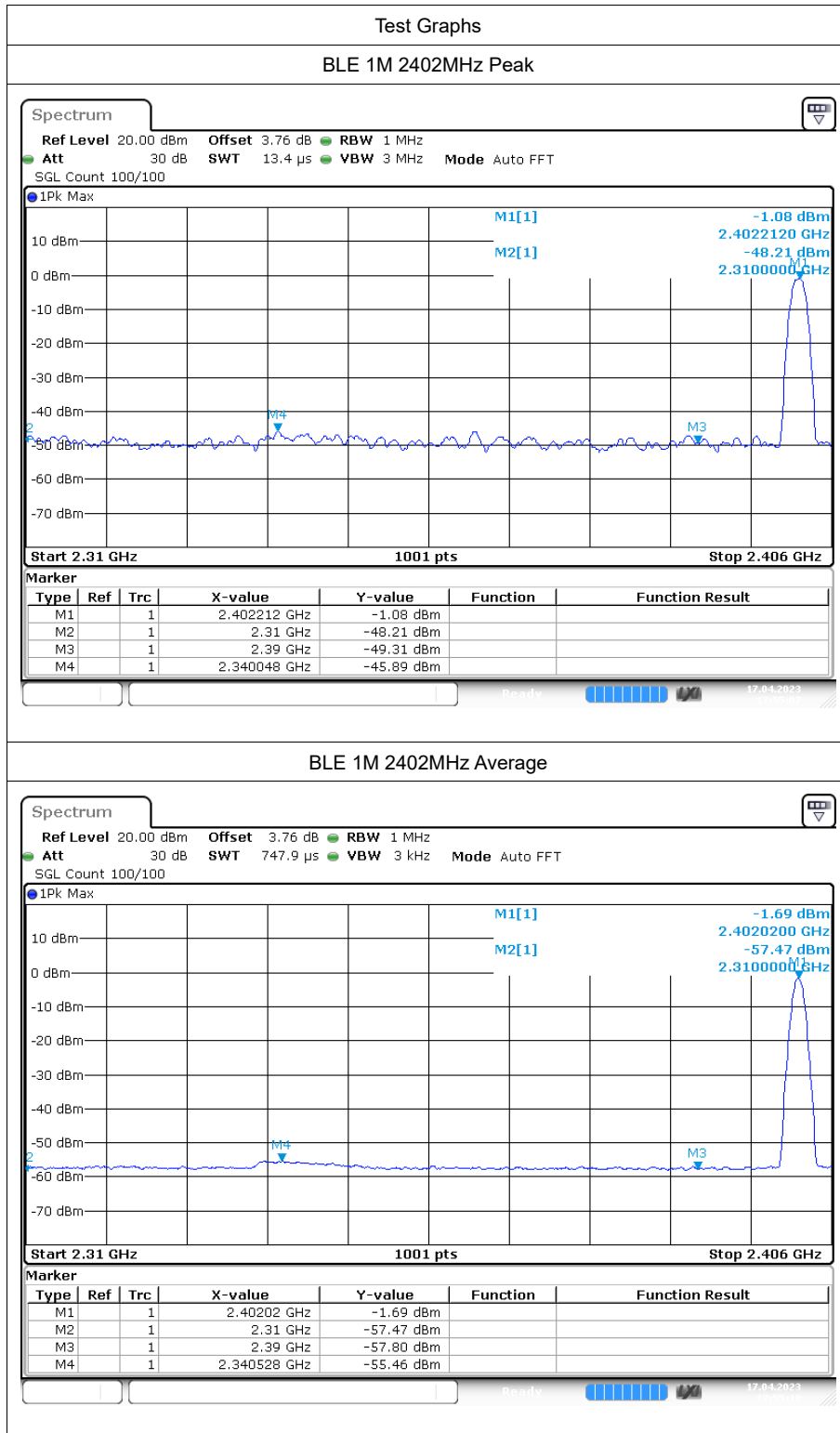


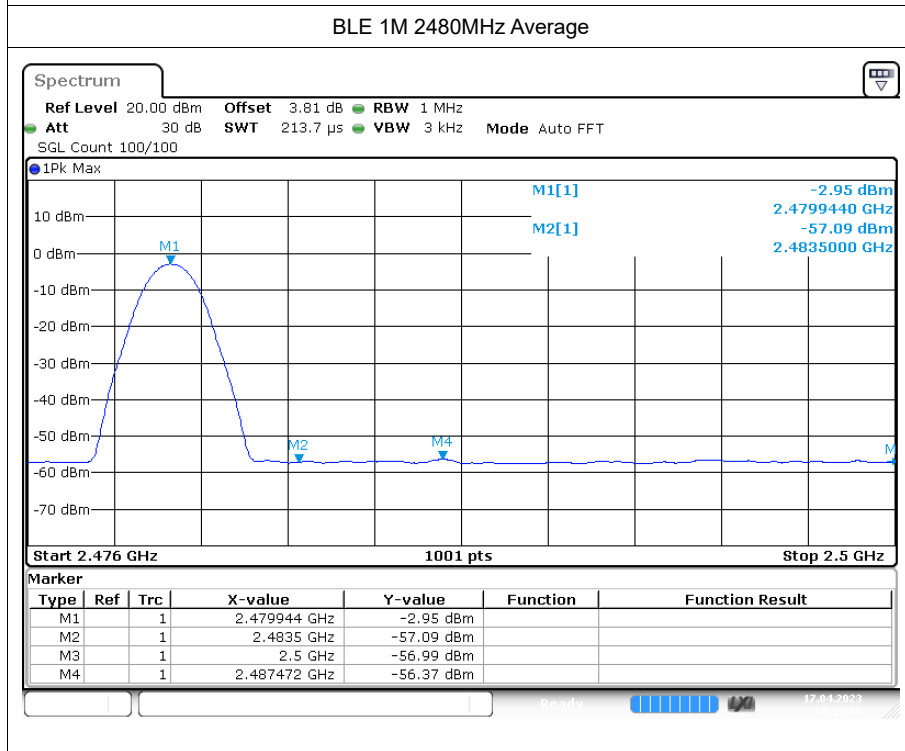
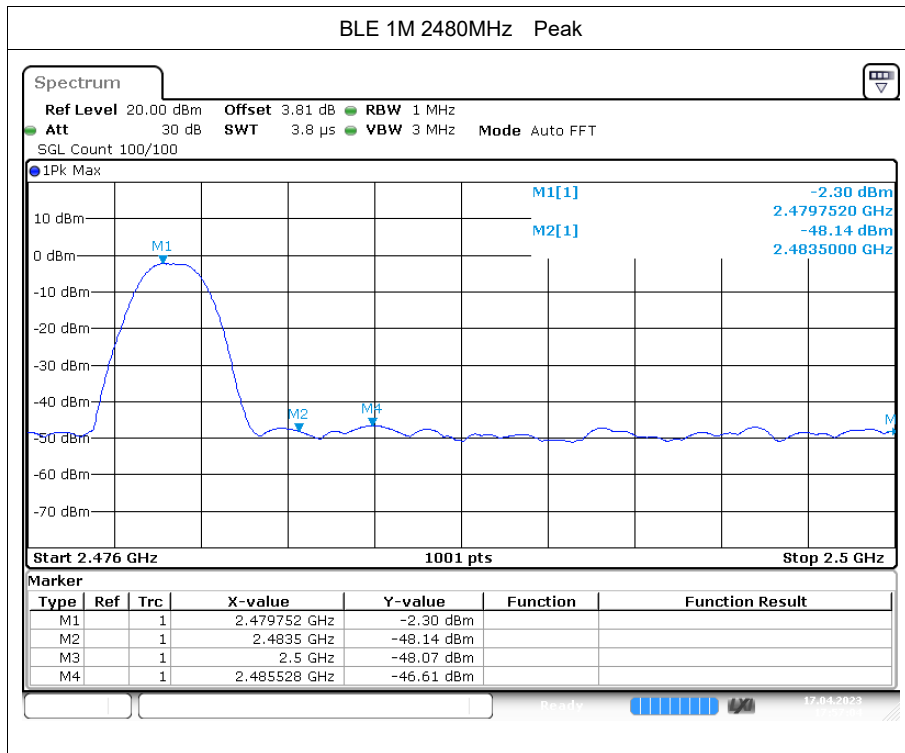
7 Restrict Band

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	-48.2	2	49.06	Peak	74	Pass
BLE 1M	2402	2310	-57.46	2	39.8	Average	54	Pass
BLE 1M	2402	2340.048	-45.88	2	51.38	Peak	74	Pass
BLE 1M	2402	2340.528	-55.46	2	41.8	Average	54	Pass
BLE 1M	2402	2390	-49.3	2	47.96	Peak	74	Pass
BLE 1M	2402	2390	-57.79	2	39.47	Average	54	Pass
BLE 1M	2480	2483.5	-48.21	2	49.05	Peak	74	Pass
BLE 1M	2480	2483.5	-57.06	2	40.2	Average	54	Pass
BLE 1M	2480	2485.528	-46.6	2	50.66	Peak	74	Pass
BLE 1M	2480	2487.472	-56.36	2	40.9	Average	54	Pass
BLE 1M	2480	2500	-48.06	2	49.2	Peak	74	Pass
BLE 1M	2480	2500	-56.99	2	40.27	Average	54	Pass

7.2 Test Graphs





---The End---