



Appendix B

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

Product Name: Amplifier

Trade Mark: Russound

Test Model: P100BT

Environmental Conditions

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



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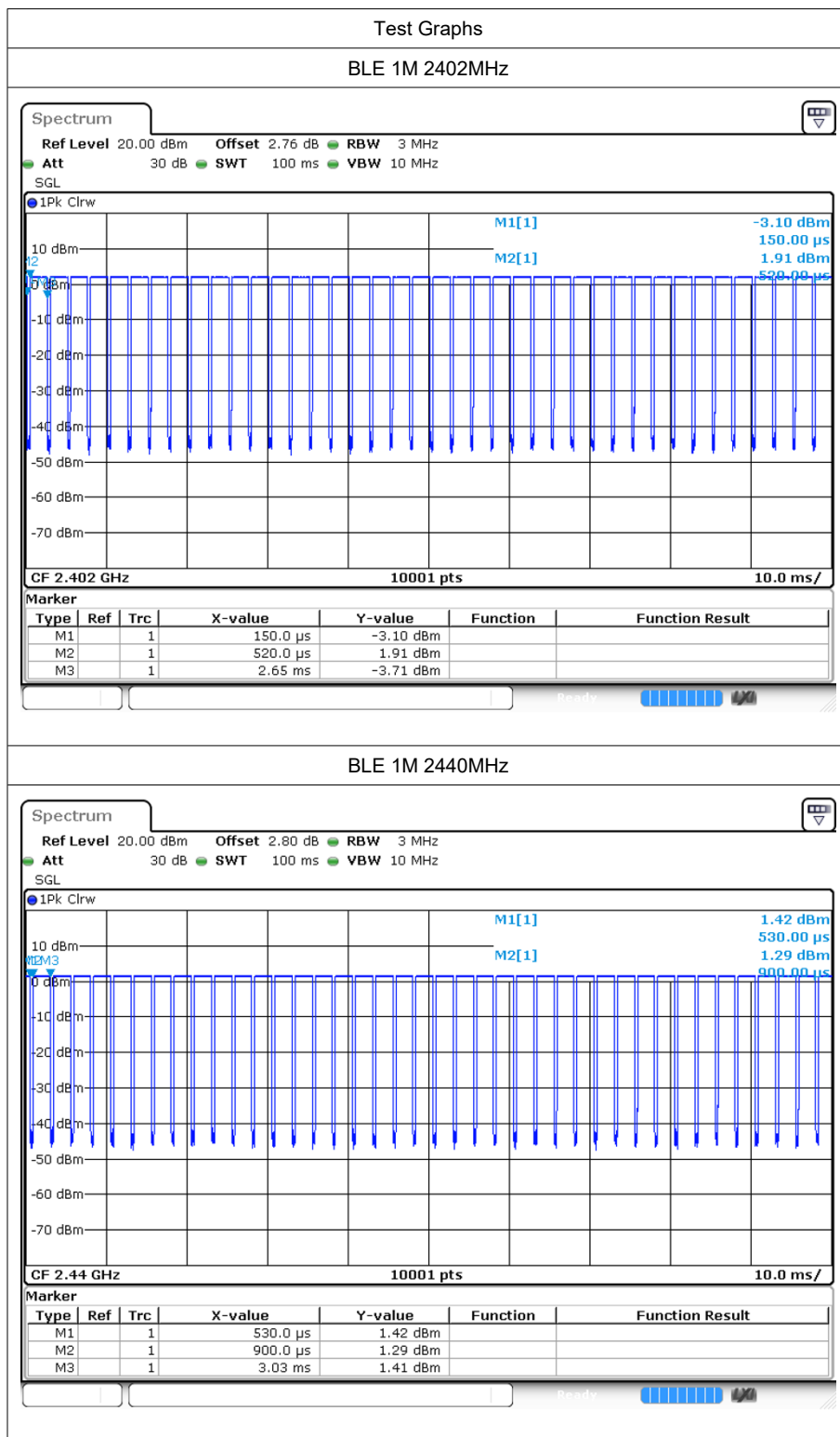


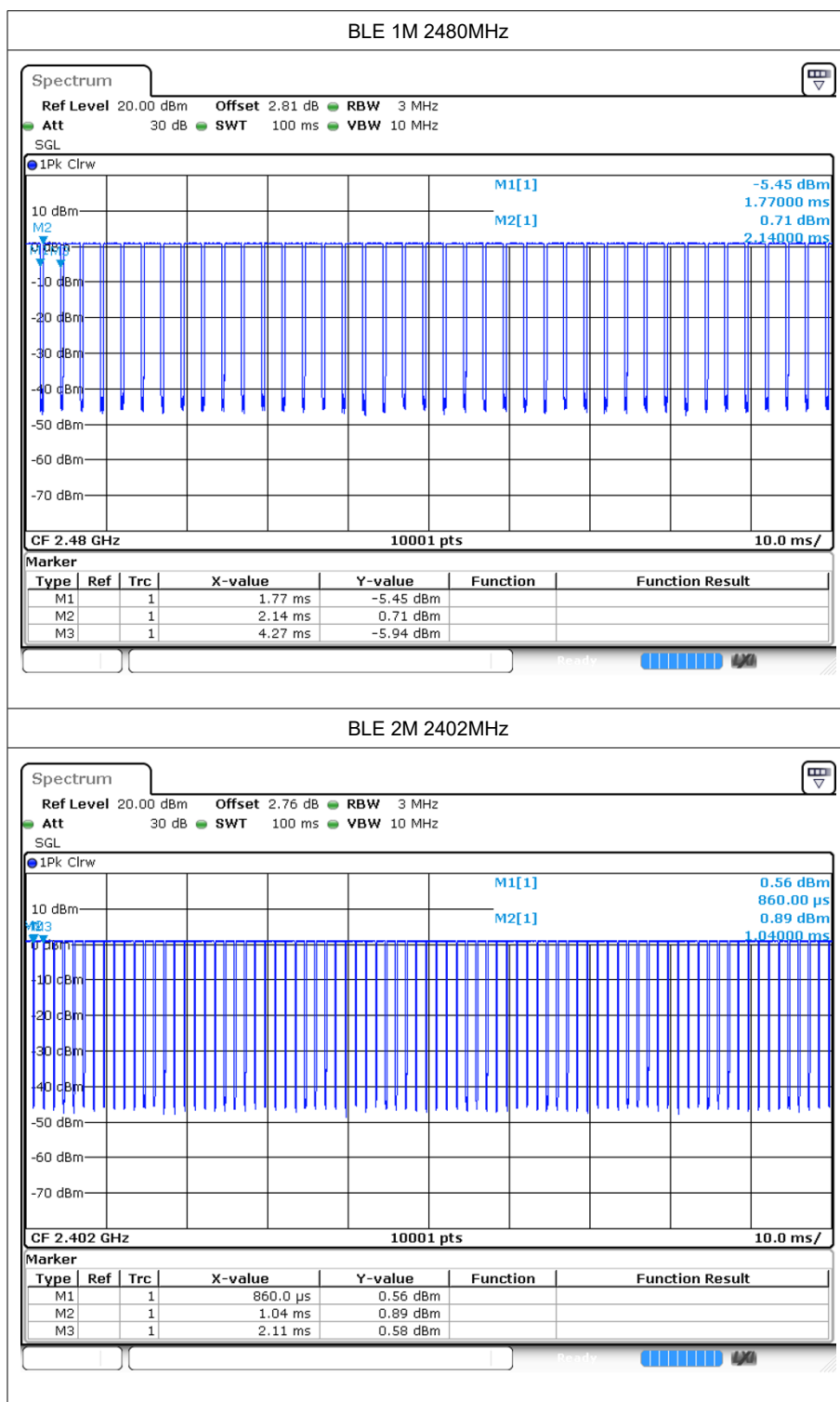
1 Duty Cycle

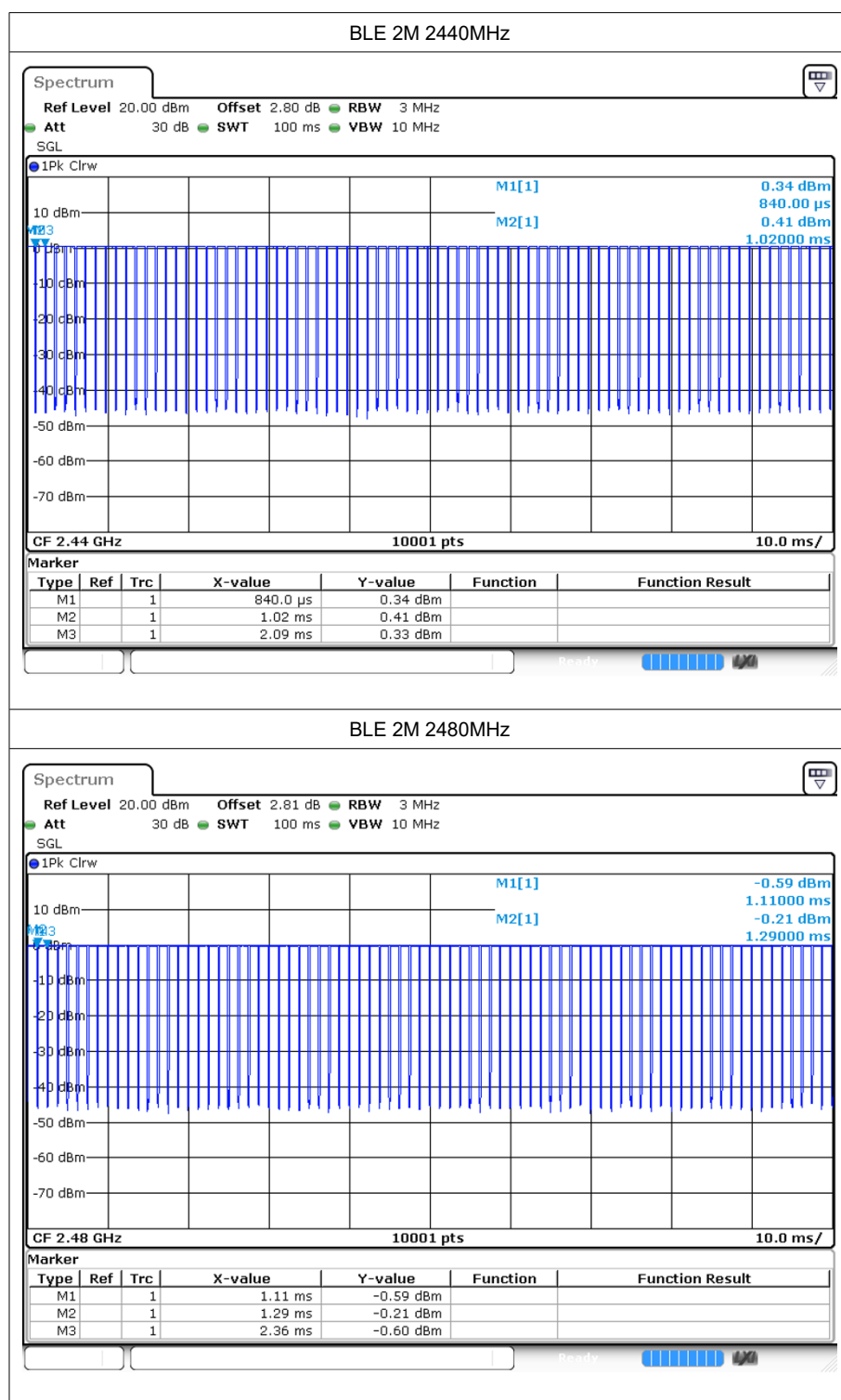
1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor	1/T (kHz)
BLE 1M	2402	85.34	0.69	0.47
BLE 1M	2440	85.6	0.68	0.47
BLE 1M	2480	85.33	0.69	0.47
BLE 2M	2402	86.43	0.63	0.93
BLE 2M	2440	86.4	0.63	0.93
BLE 2M	2480	86.39	0.64	0.93

1.2 Test Graphs





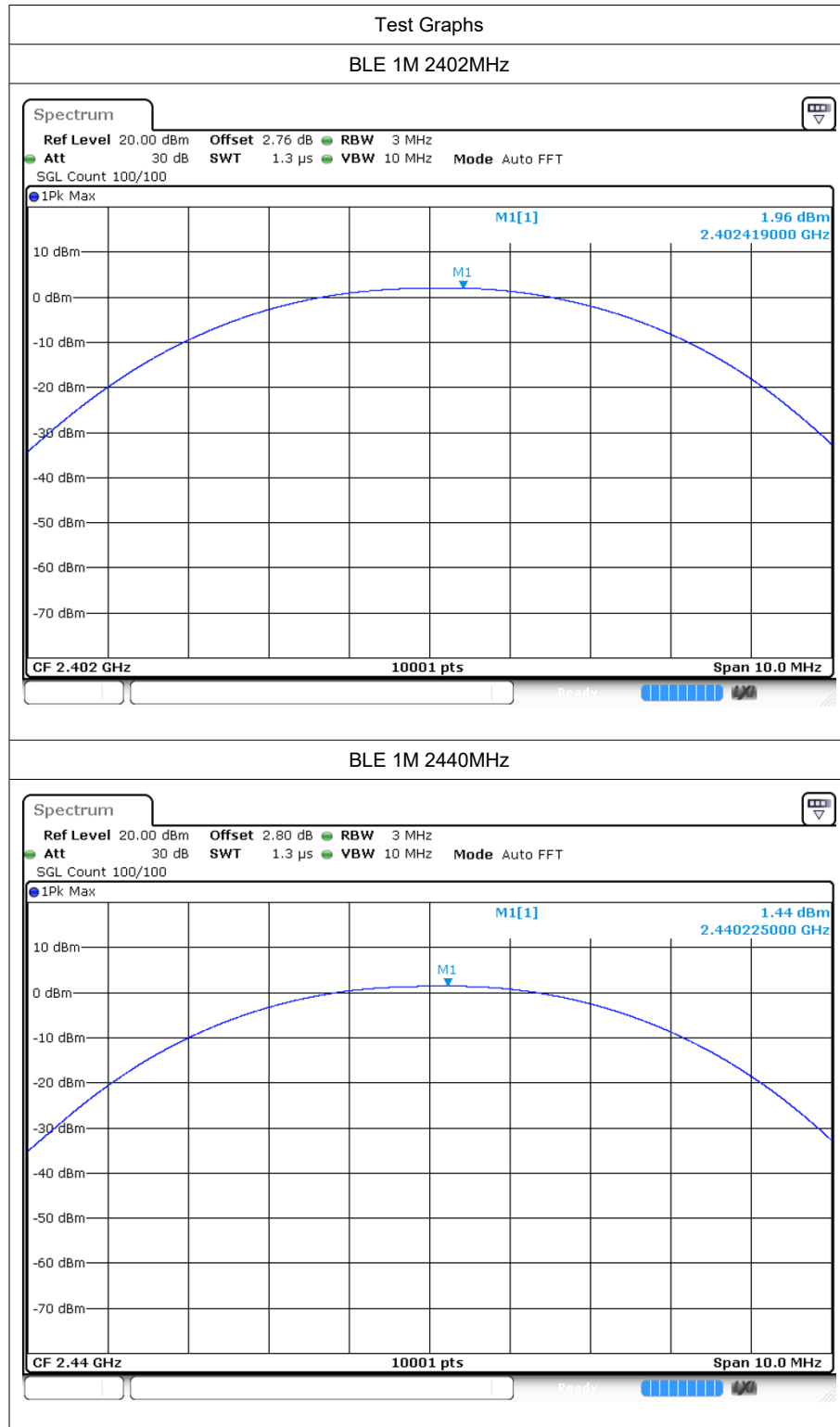


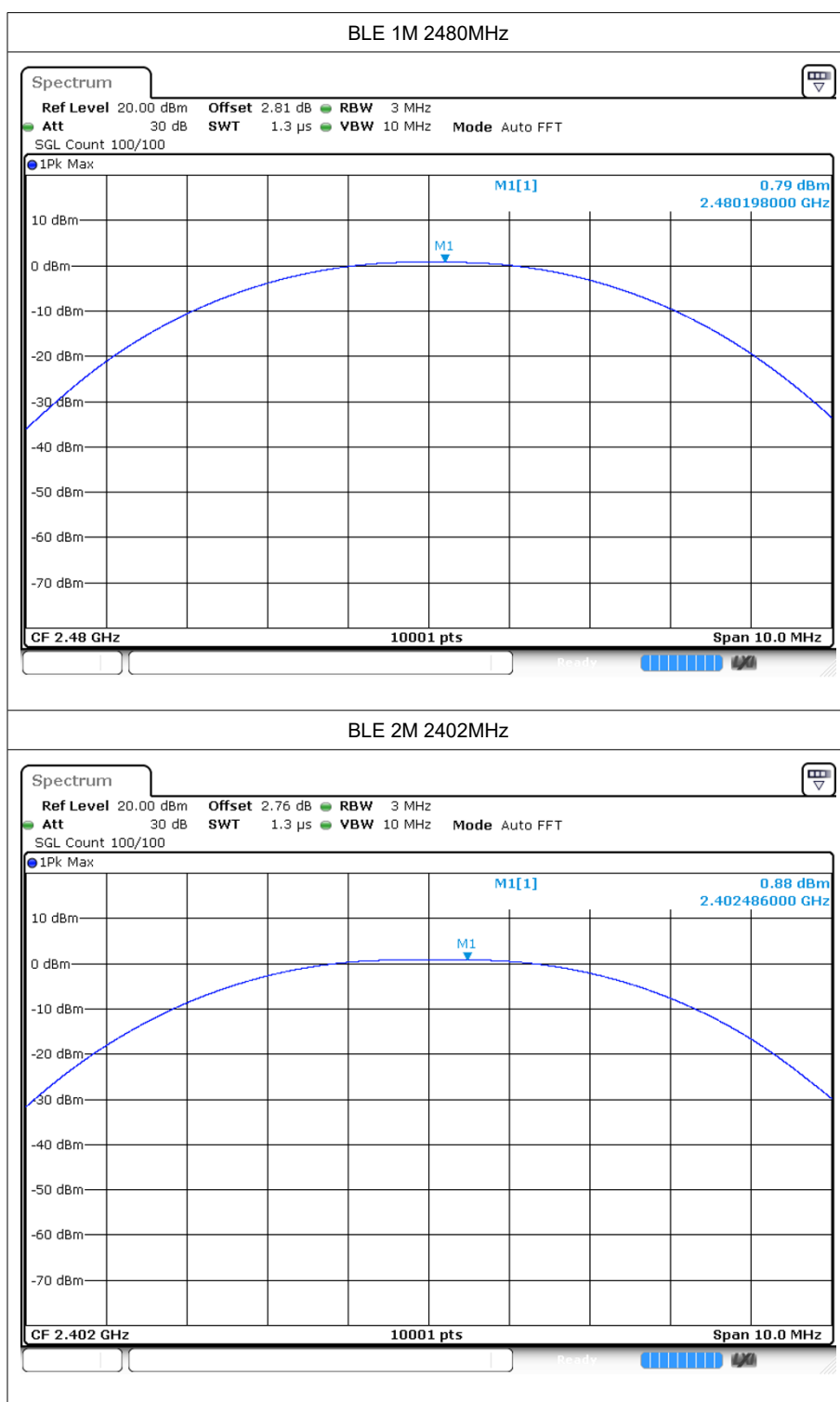
2 Maximum Conducted Output Power

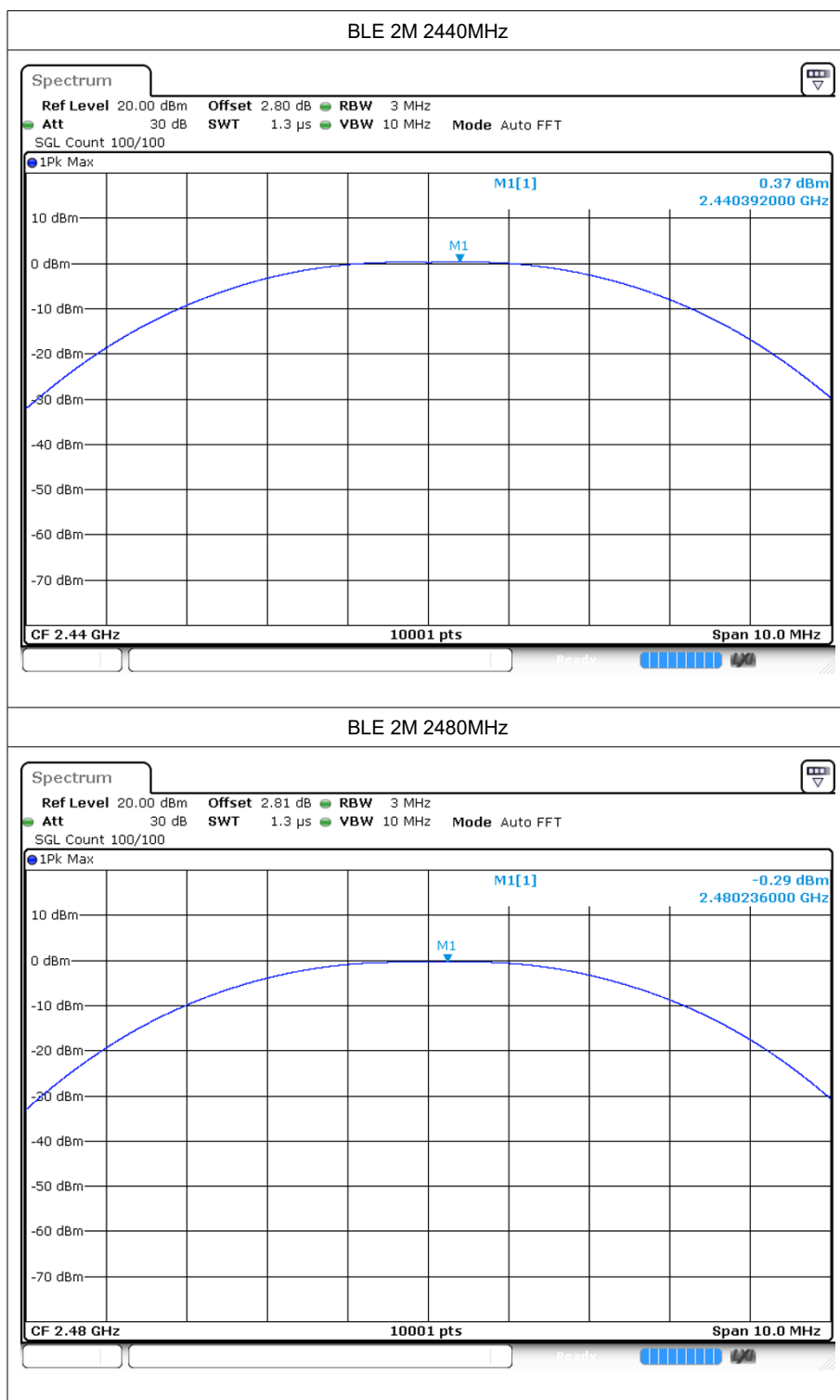
2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	1.96	30	Pass
BLE 1M	2440	1.44	30	Pass
BLE 1M	2480	0.79	30	Pass
BLE 2M	2402	0.88	30	Pass
BLE 2M	2440	0.37	30	Pass
BLE 2M	2480	-0.29	30	Pass

2.2 Test Graphs







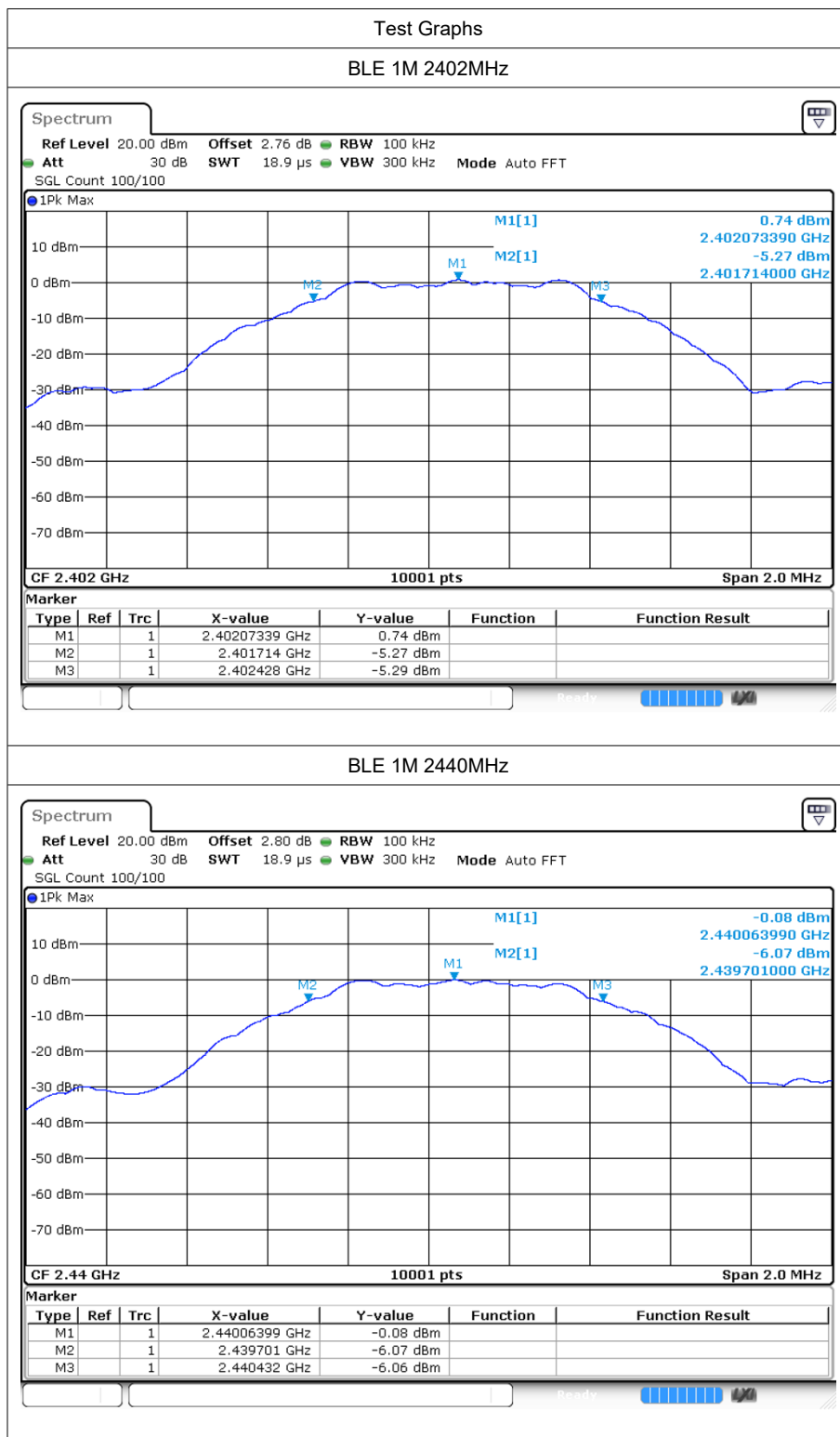


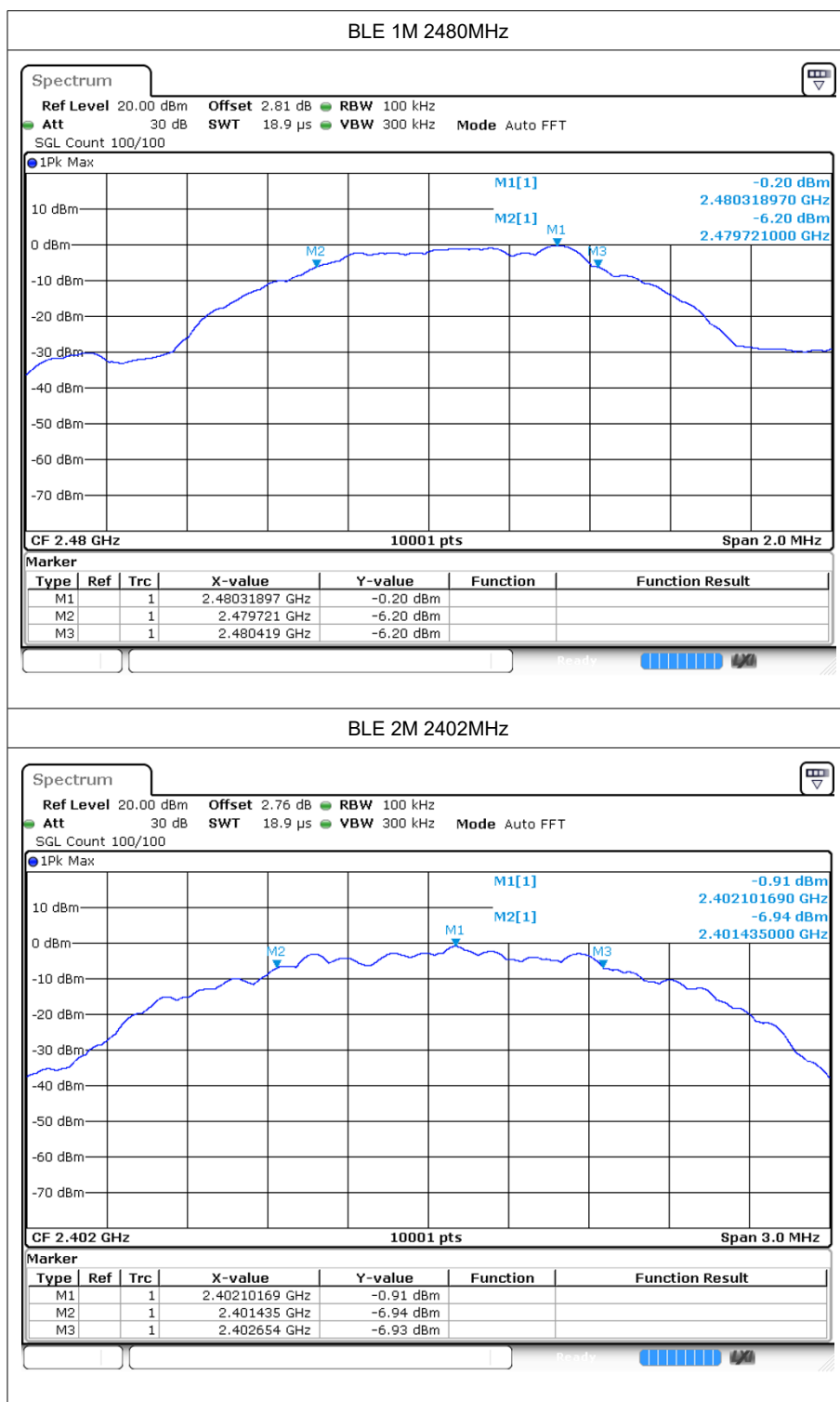
3 -6dB Bandwidth

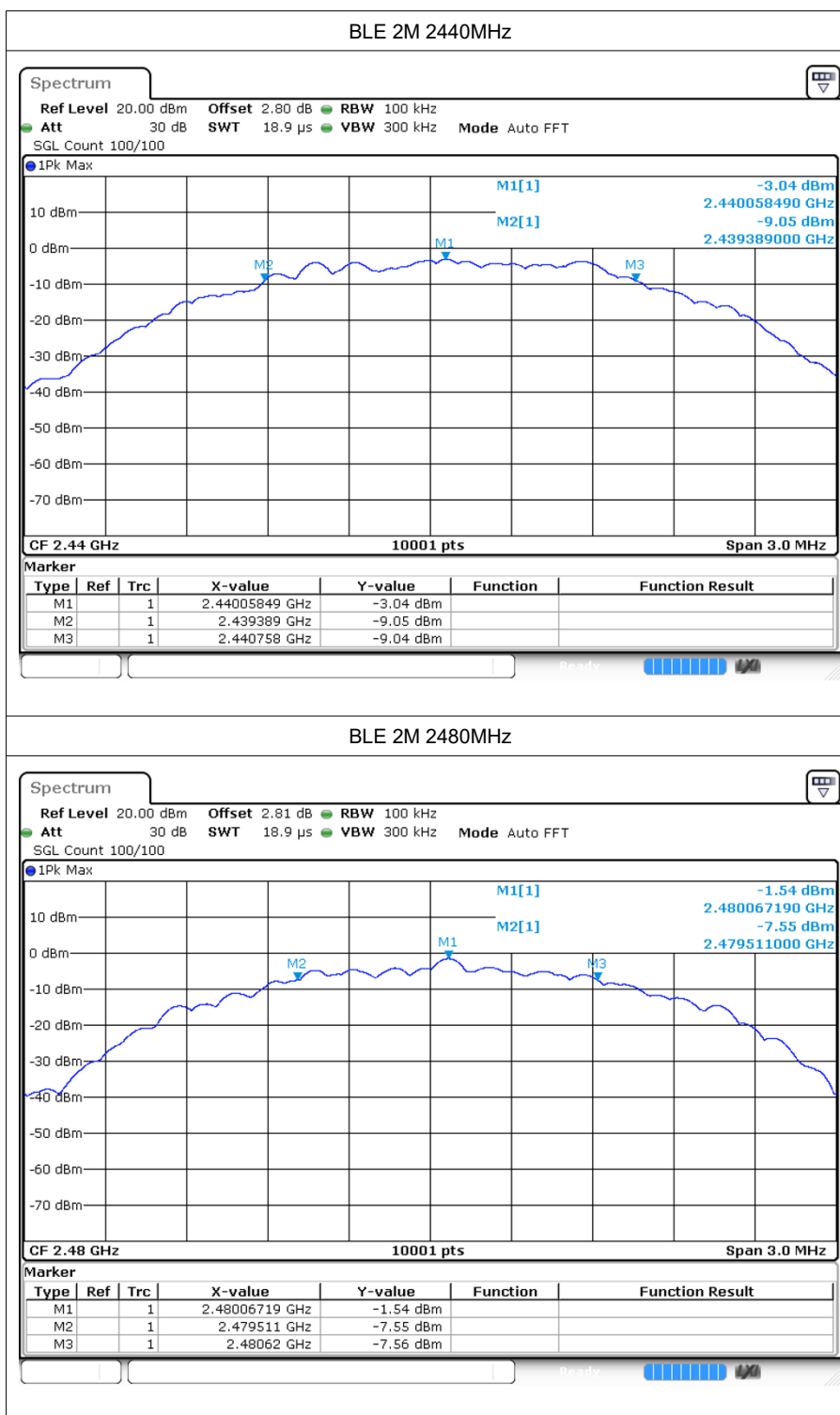
3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.714	0.5	Pass
BLE 1M	2440	0.731	0.5	Pass
BLE 1M	2480	0.698	0.5	Pass
BLE 2M	2402	1.218	0.5	Pass
BLE 2M	2440	1.369	0.5	Pass
BLE 2M	2480	1.109	0.5	Pass

3.2 Test Graphs





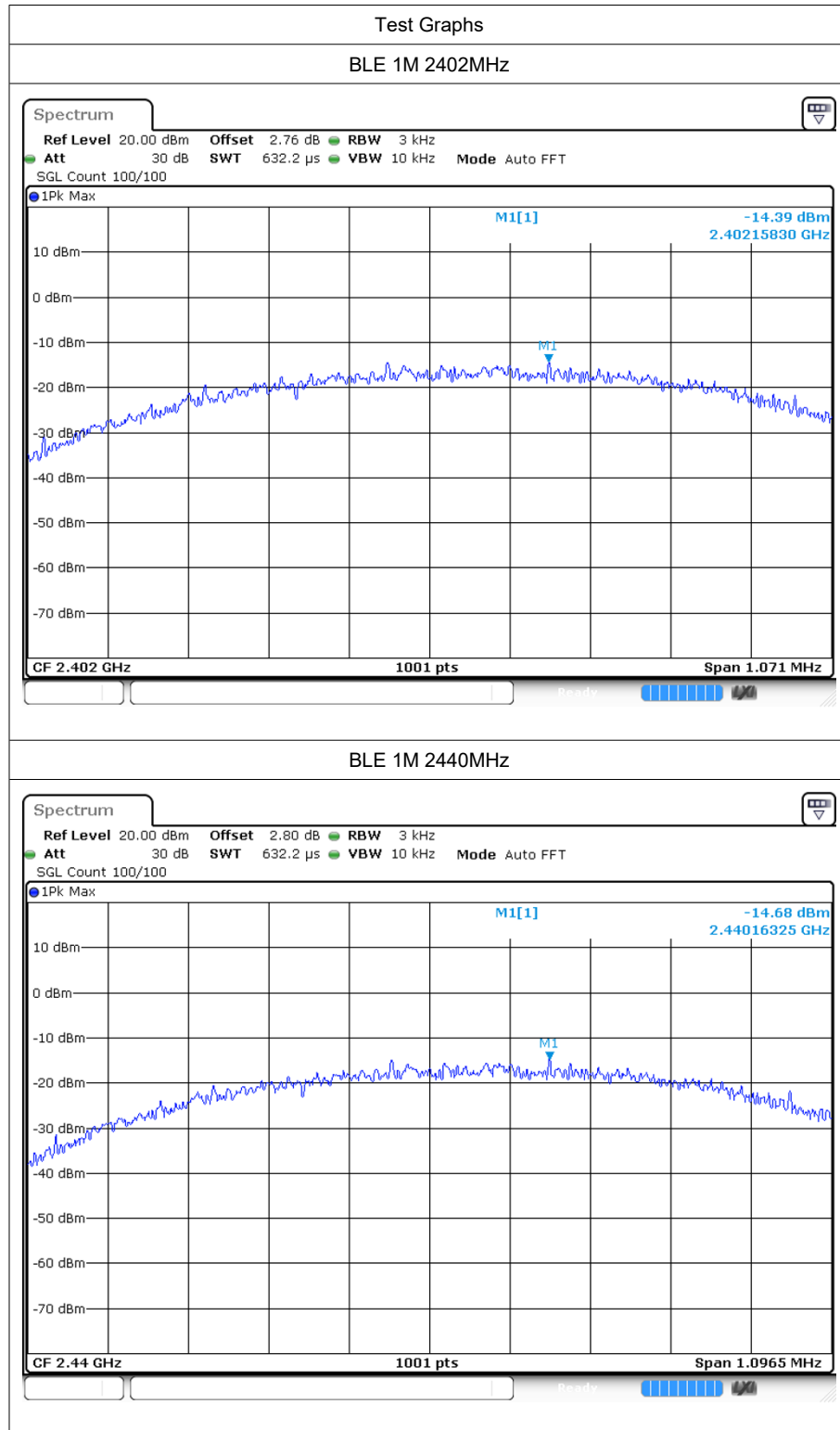


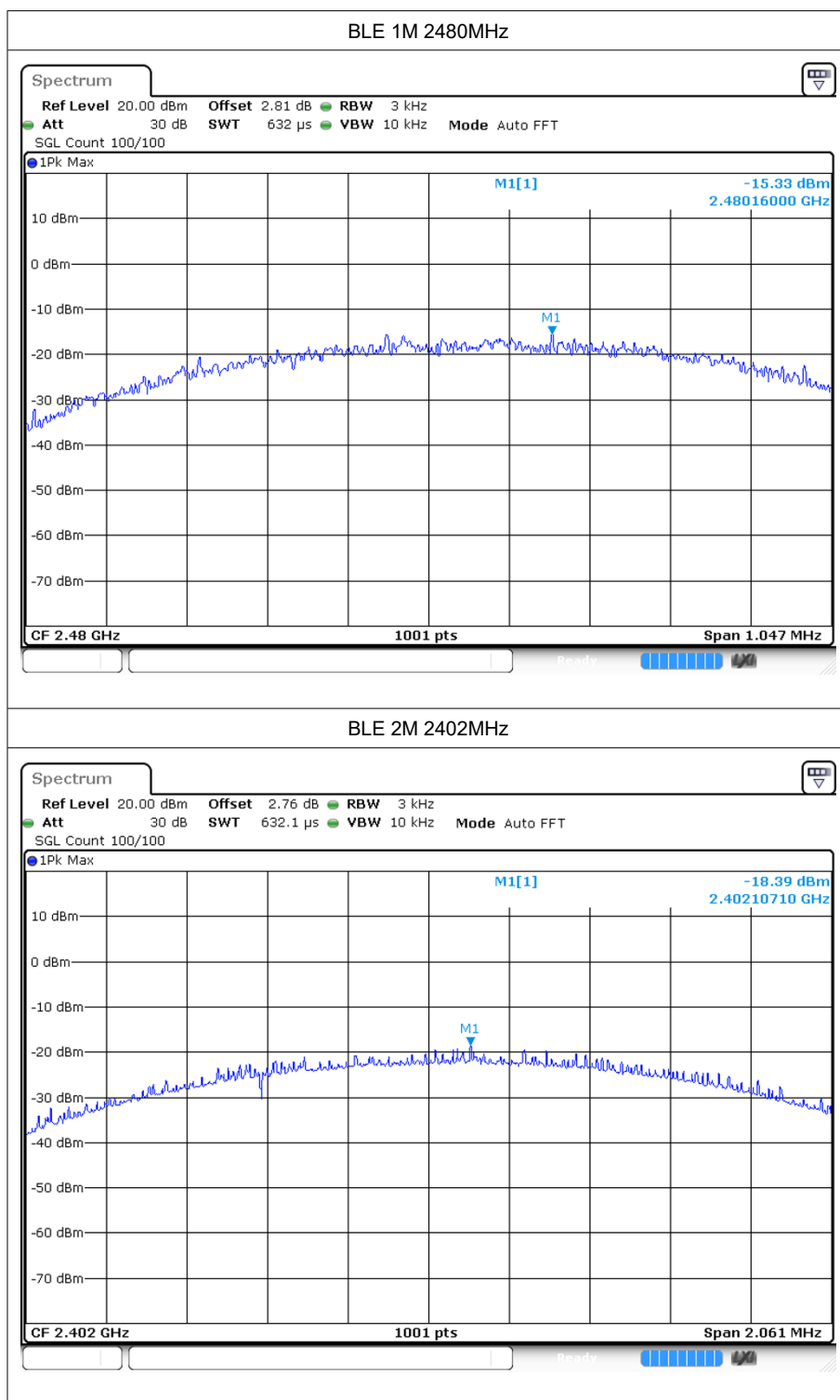
4 Maximum Power Spectral Density Level

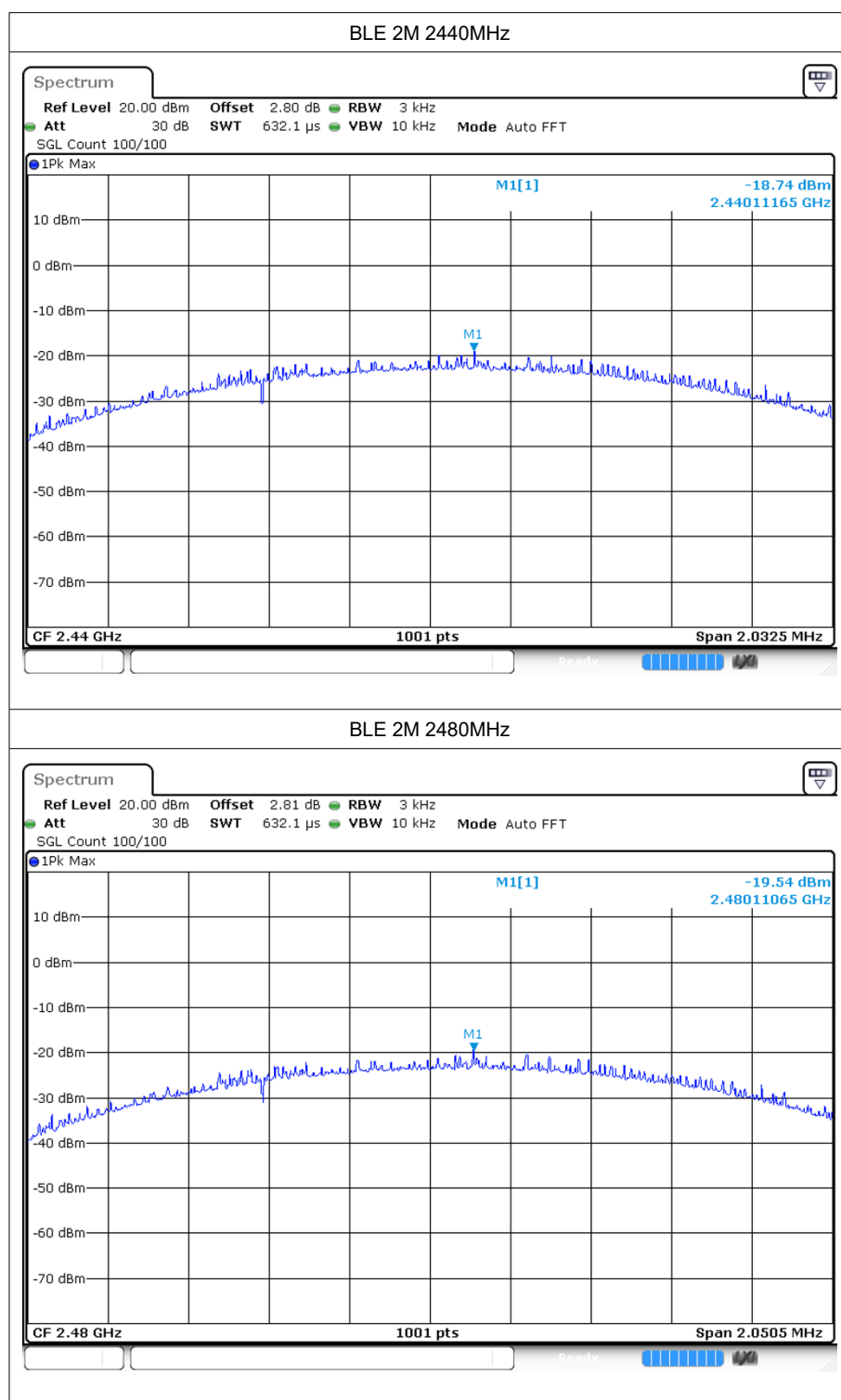
4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-14.39	≤8	Pass
BLE 1M	2440	-14.68	≤8	Pass
BLE 1M	2480	-15.33	≤8	Pass
BLE 2M	2402	-18.39	≤8	Pass
BLE 2M	2440	-18.74	≤8	Pass
BLE 2M	2480	-19.54	≤8	Pass

4.2 Test Graphs





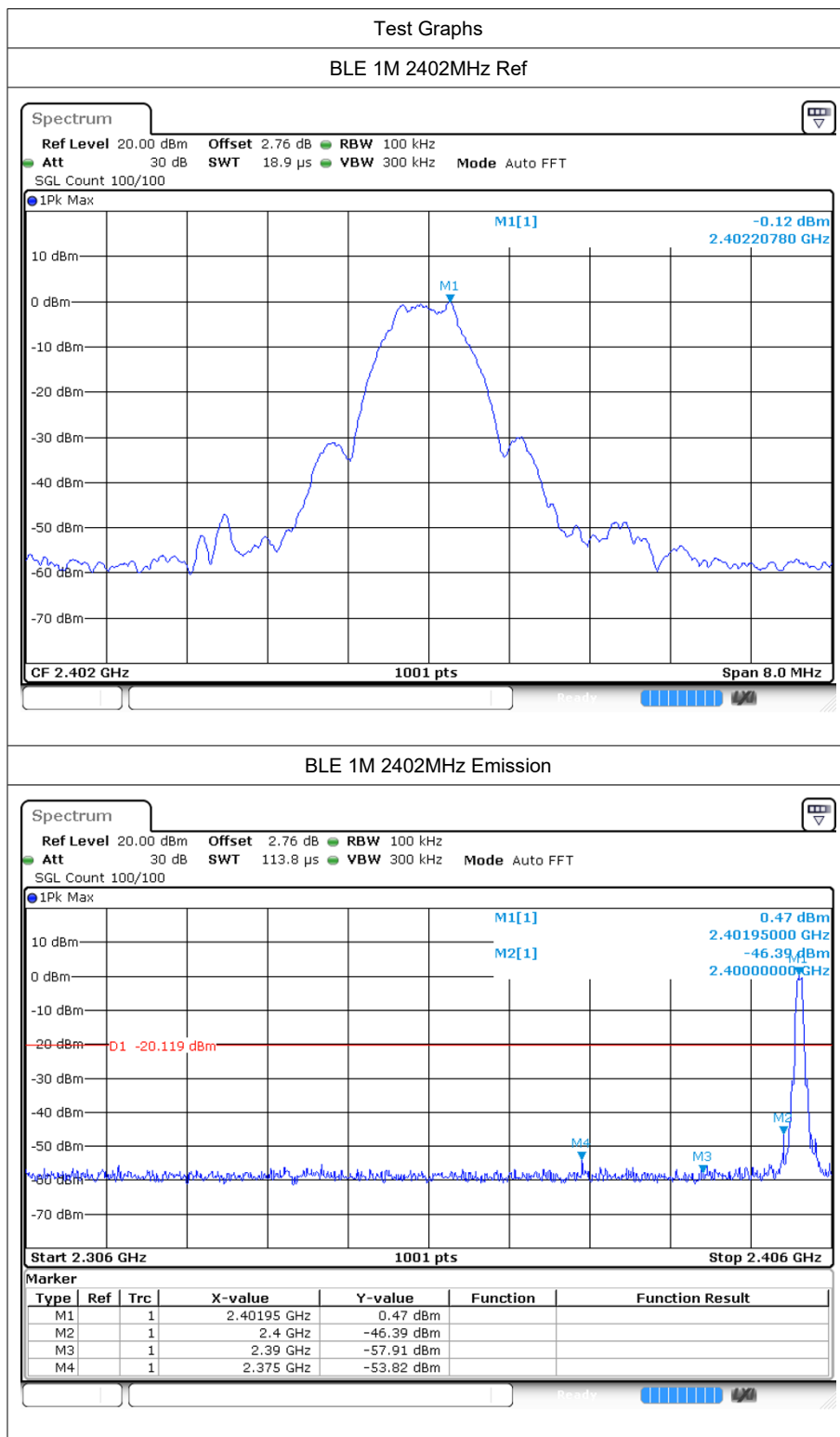


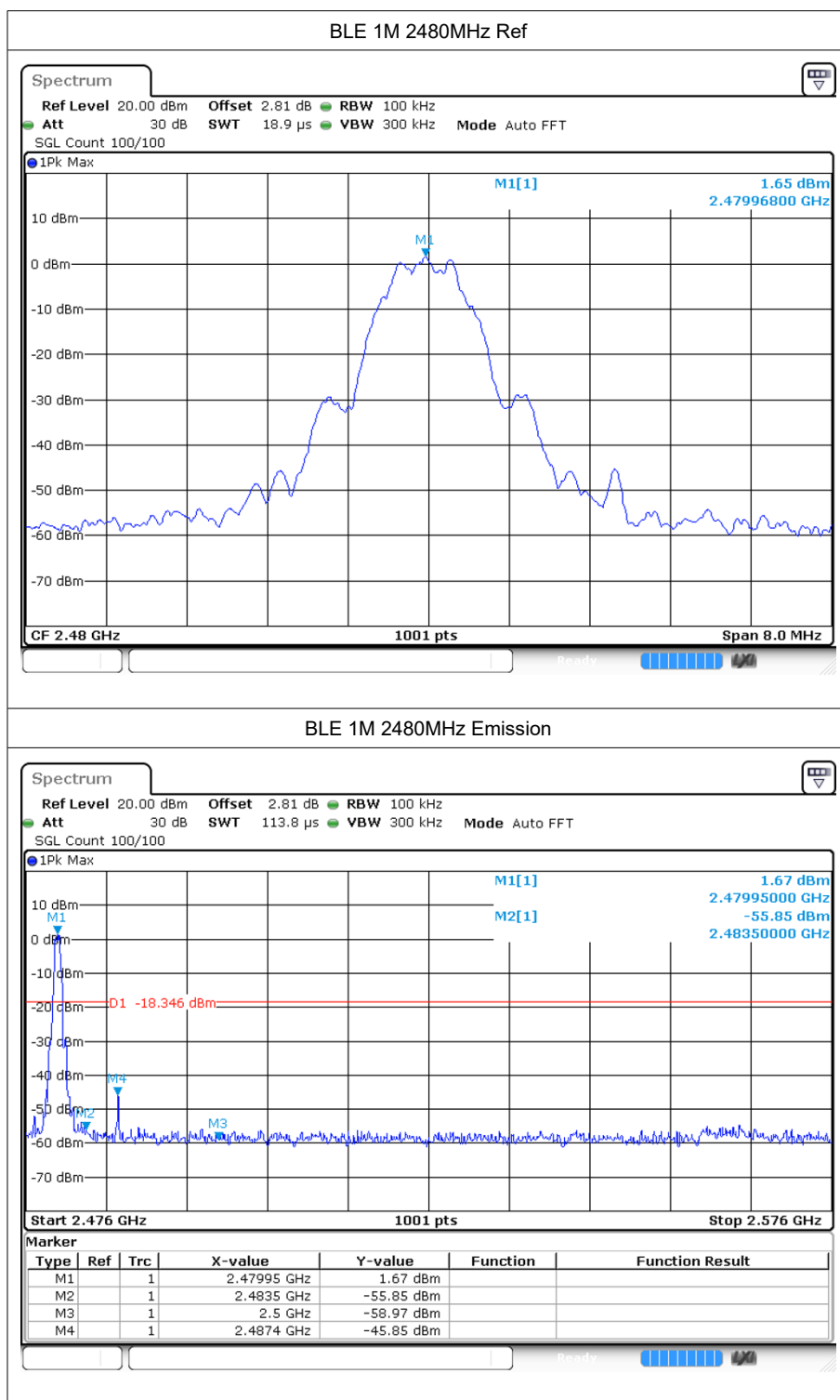
5 Band Edge

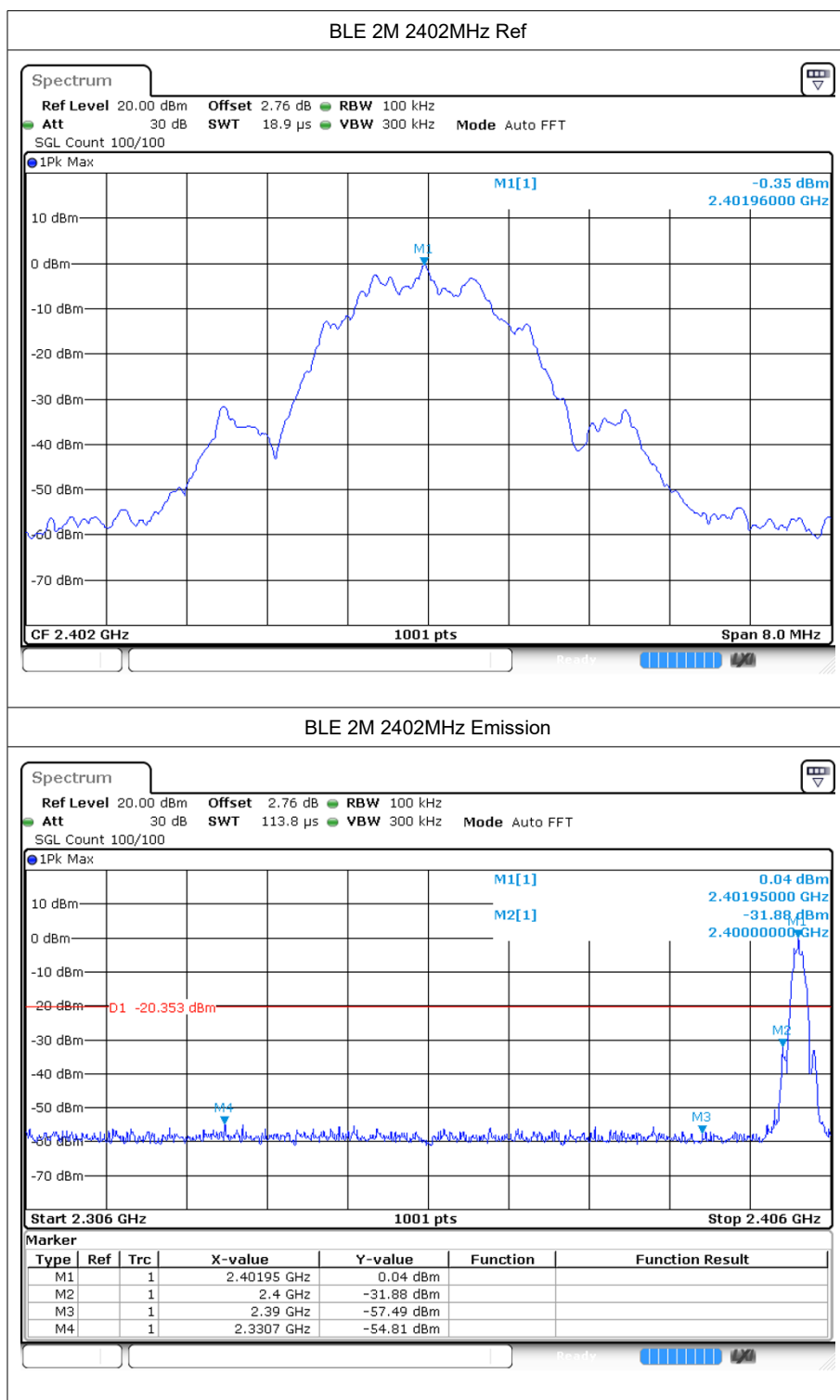
5.1 Test Result

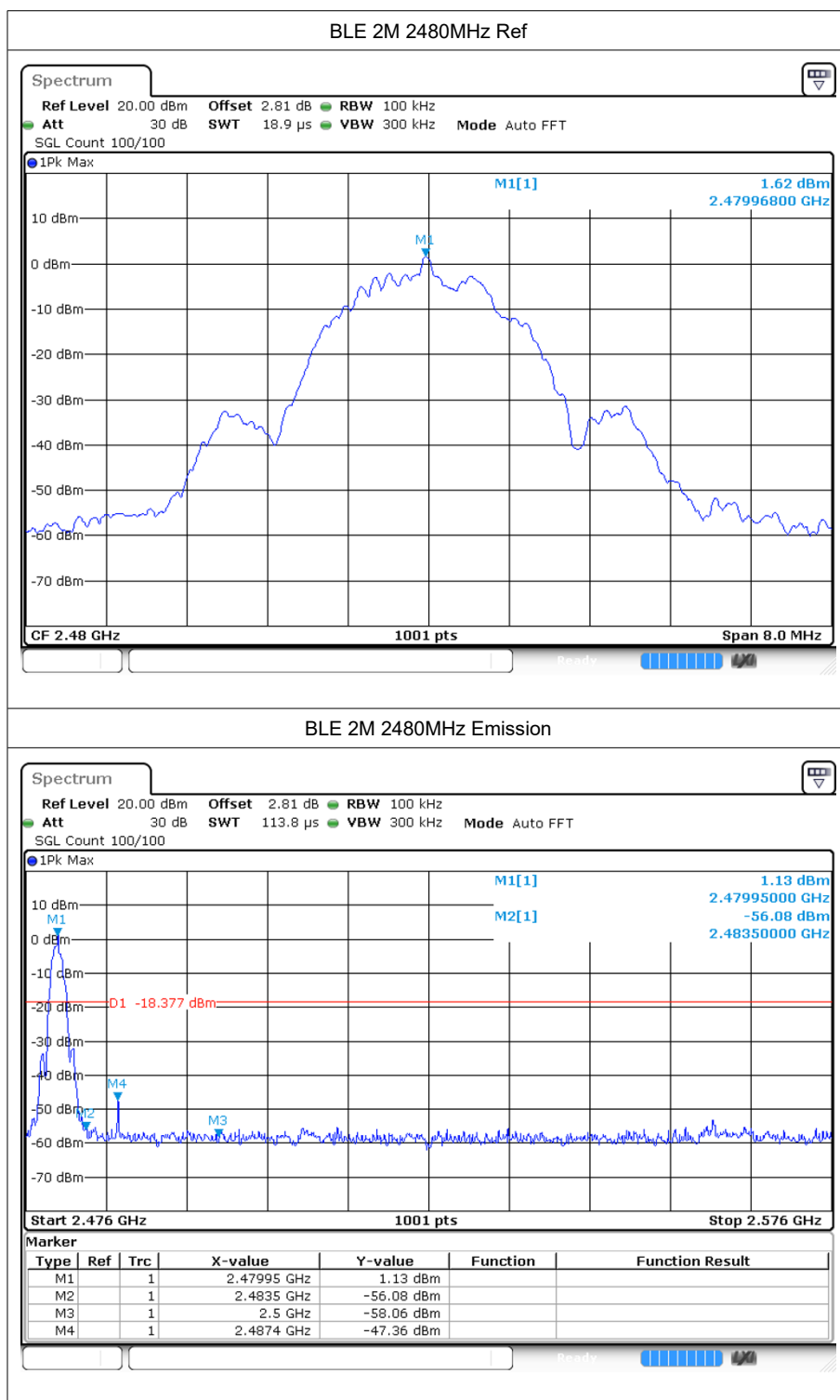
Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-53.7	-20	Pass
BLE 1M	2480	-47.5	-20	Pass
BLE 2M	2402	-54.46	-20	Pass
BLE 2M	2480	-48.98	-20	Pass

5.2 Test Graphs







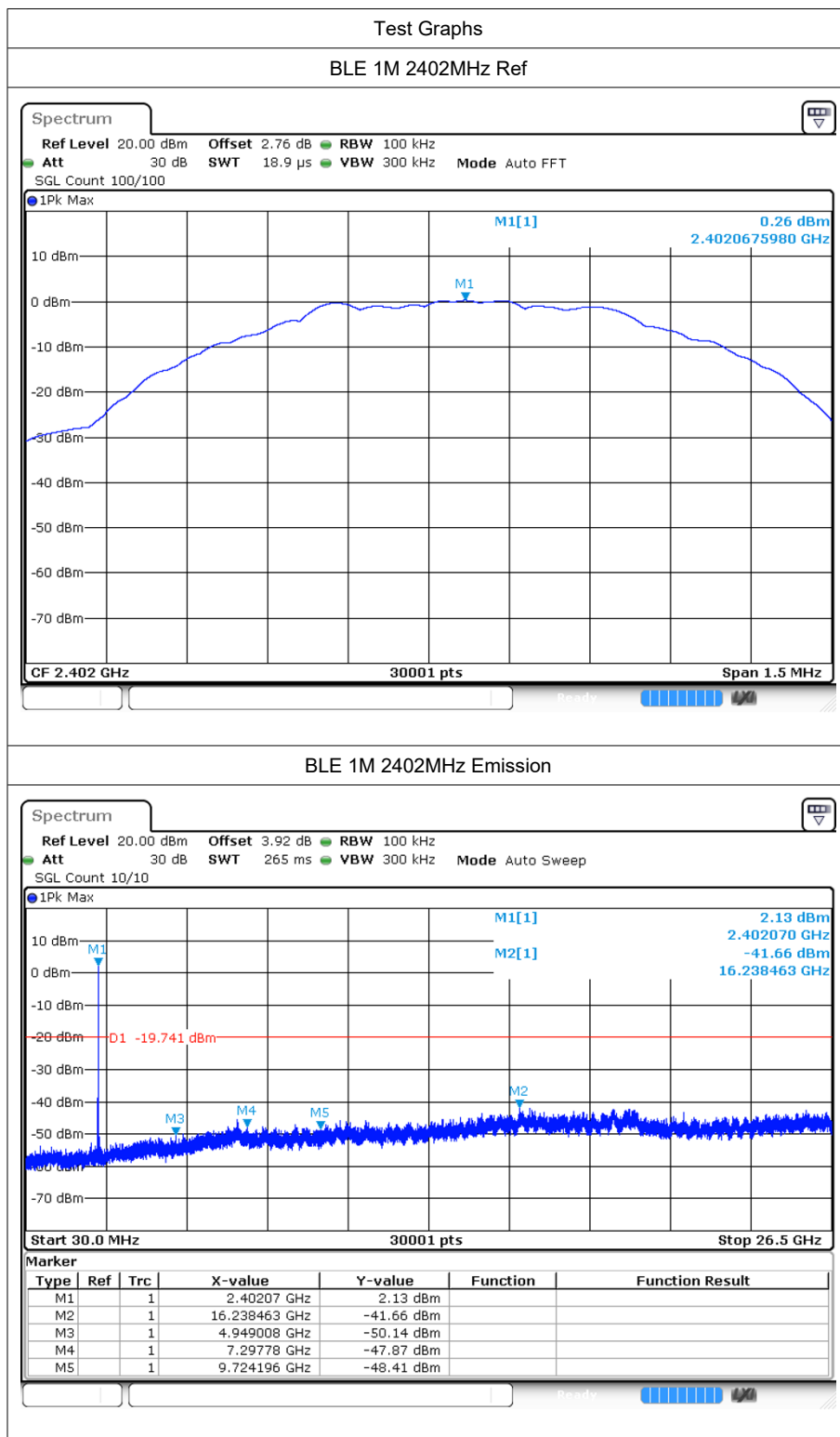


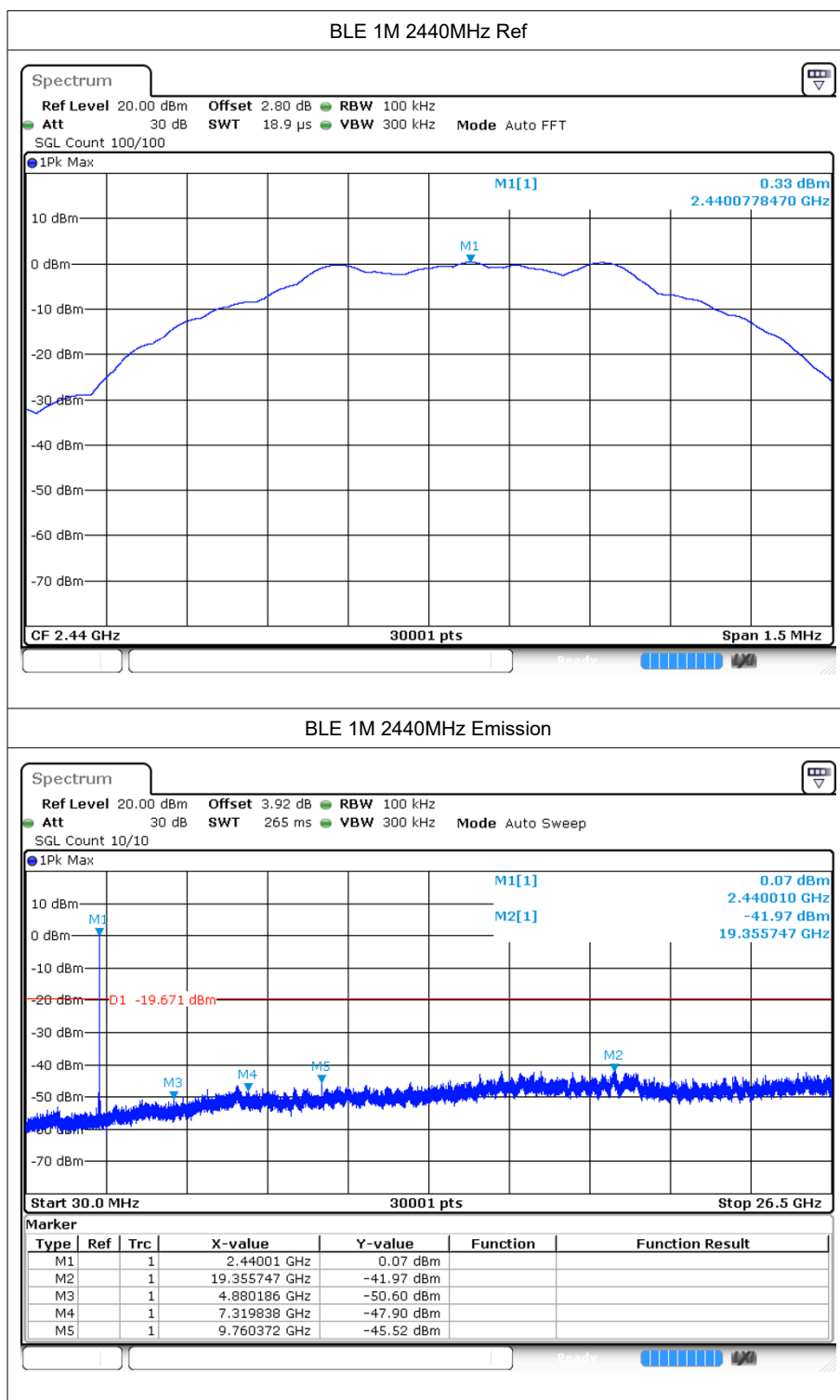
6 Conducted RF Spurious Emission

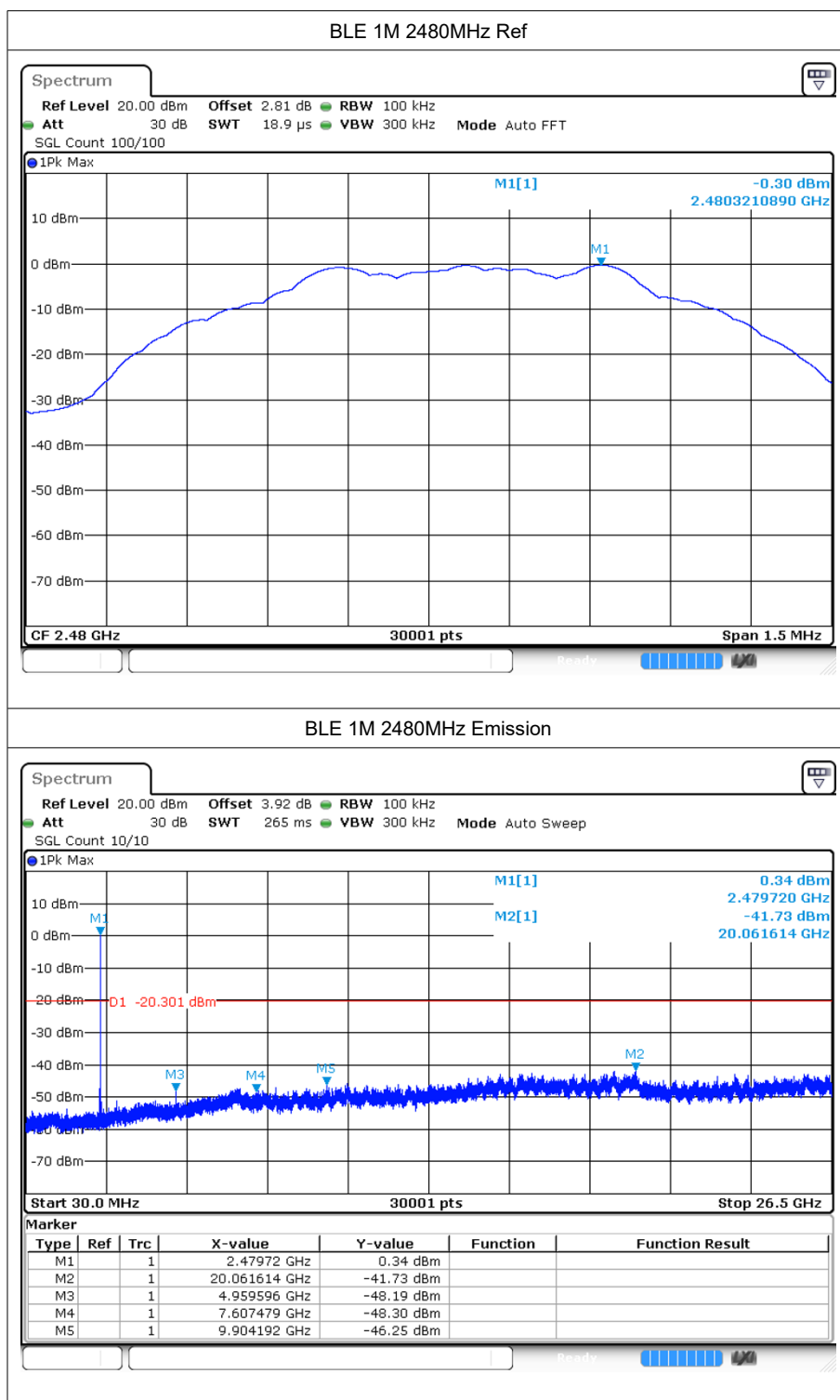
6.1 Test Result

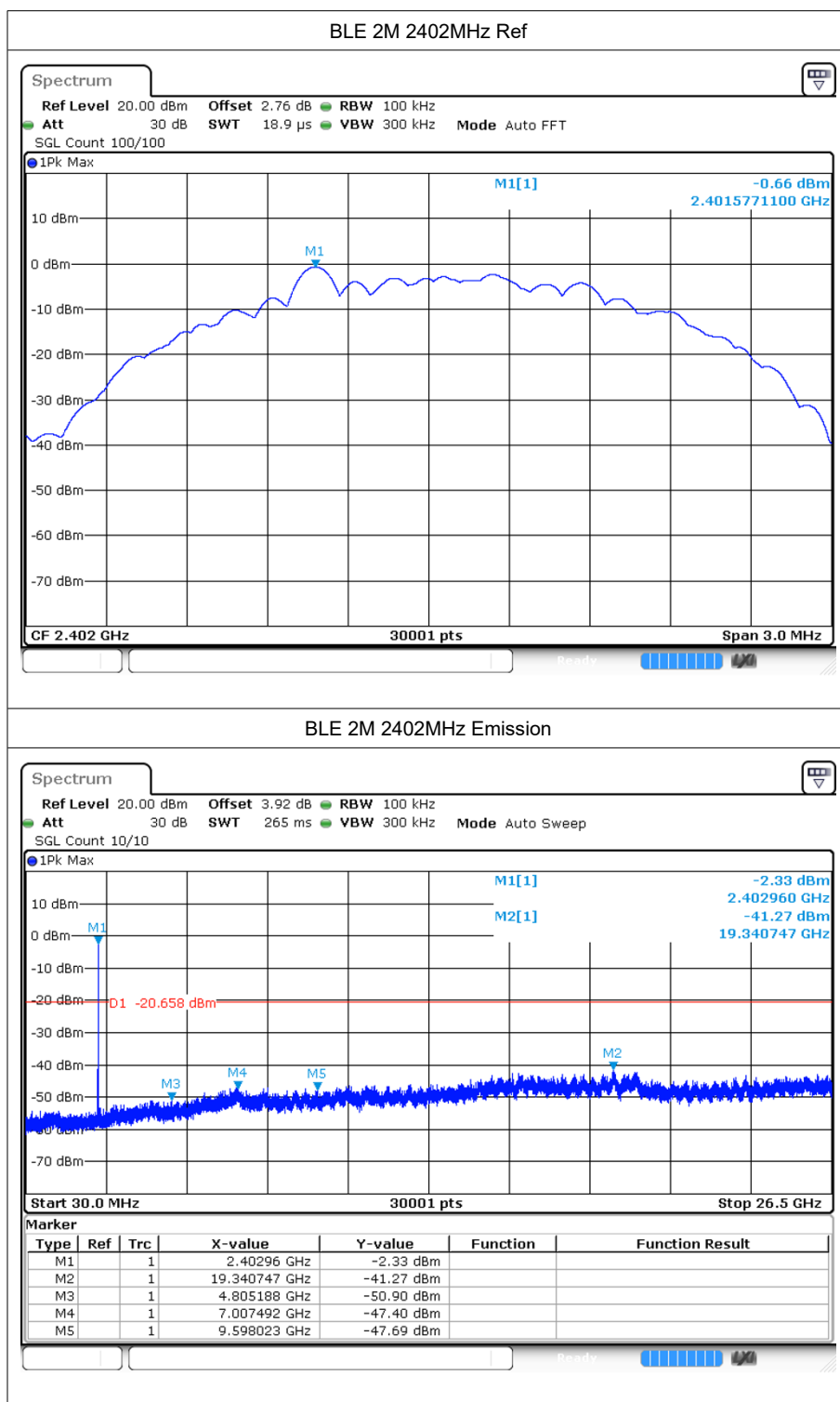
Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-41.92	-20	Pass
BLE 1M	2440	-42.29	-20	Pass
BLE 1M	2480	-41.43	-20	Pass
BLE 2M	2402	-40.61	-20	Pass
BLE 2M	2440	-39.8	-20	Pass
BLE 2M	2480	-39.18	-20	Pass

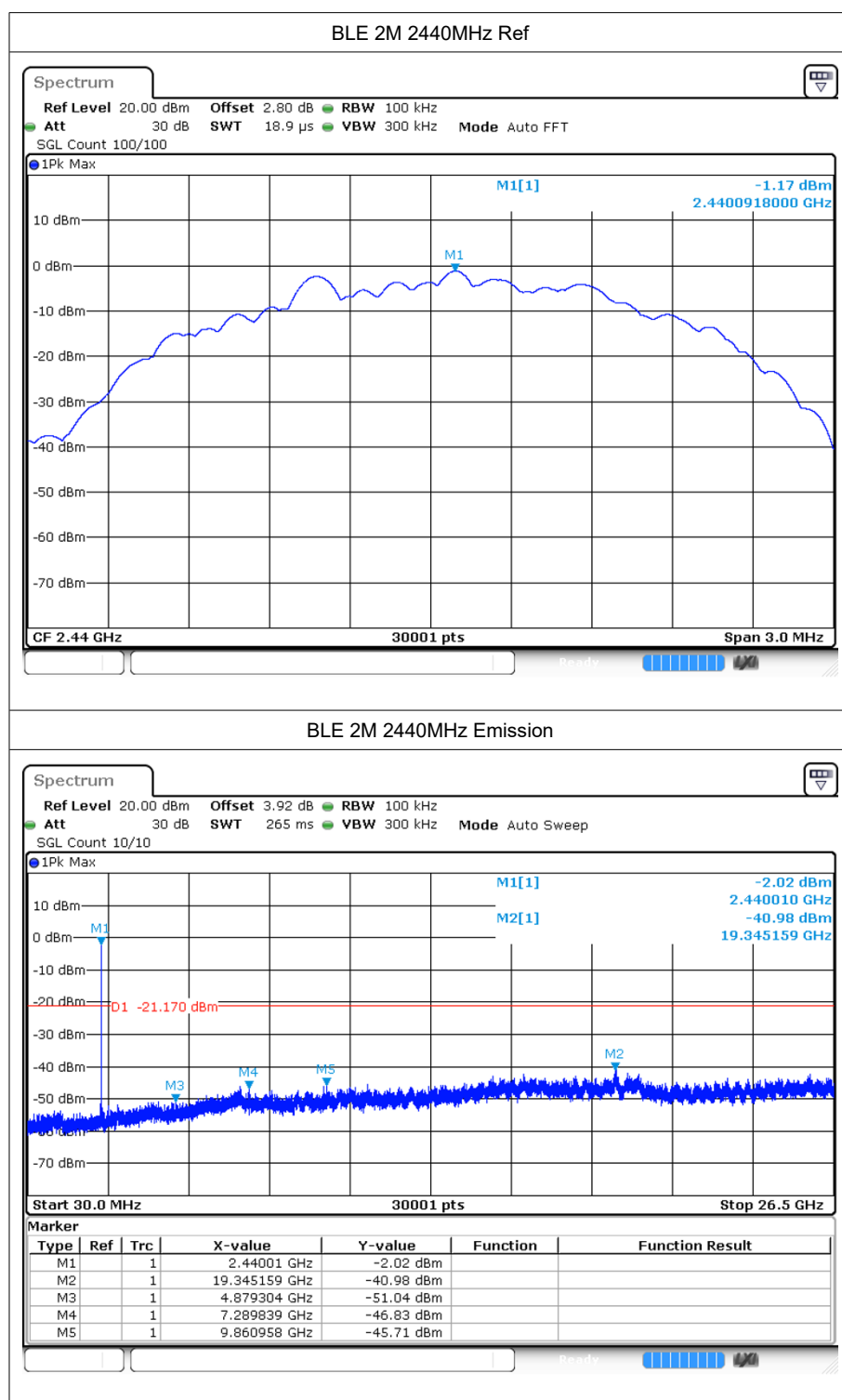
6.2 Test Graphs

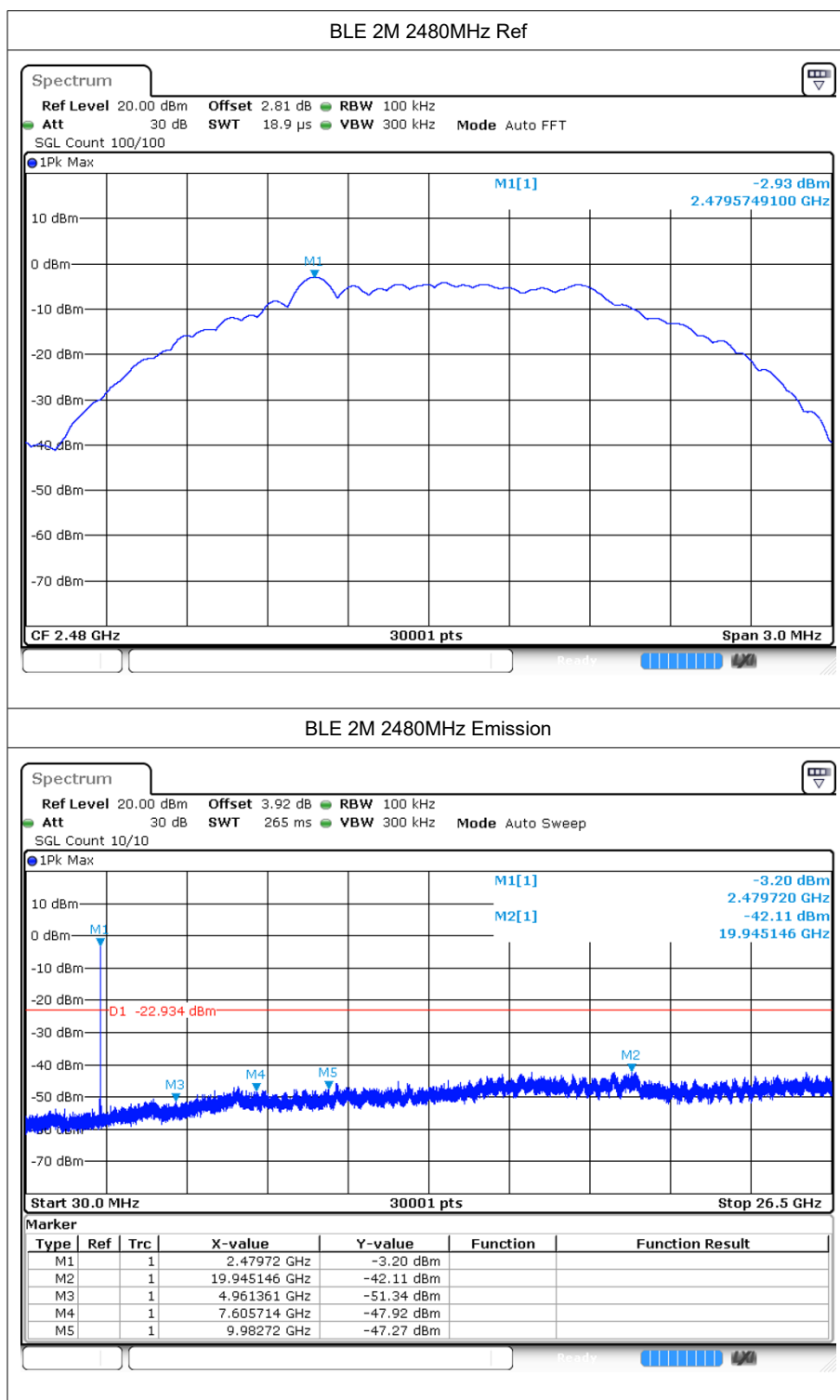












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