



Appendix B

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

Product Name: Smart Watch

Trade Mark: N/A

Test Model: S13 MAX

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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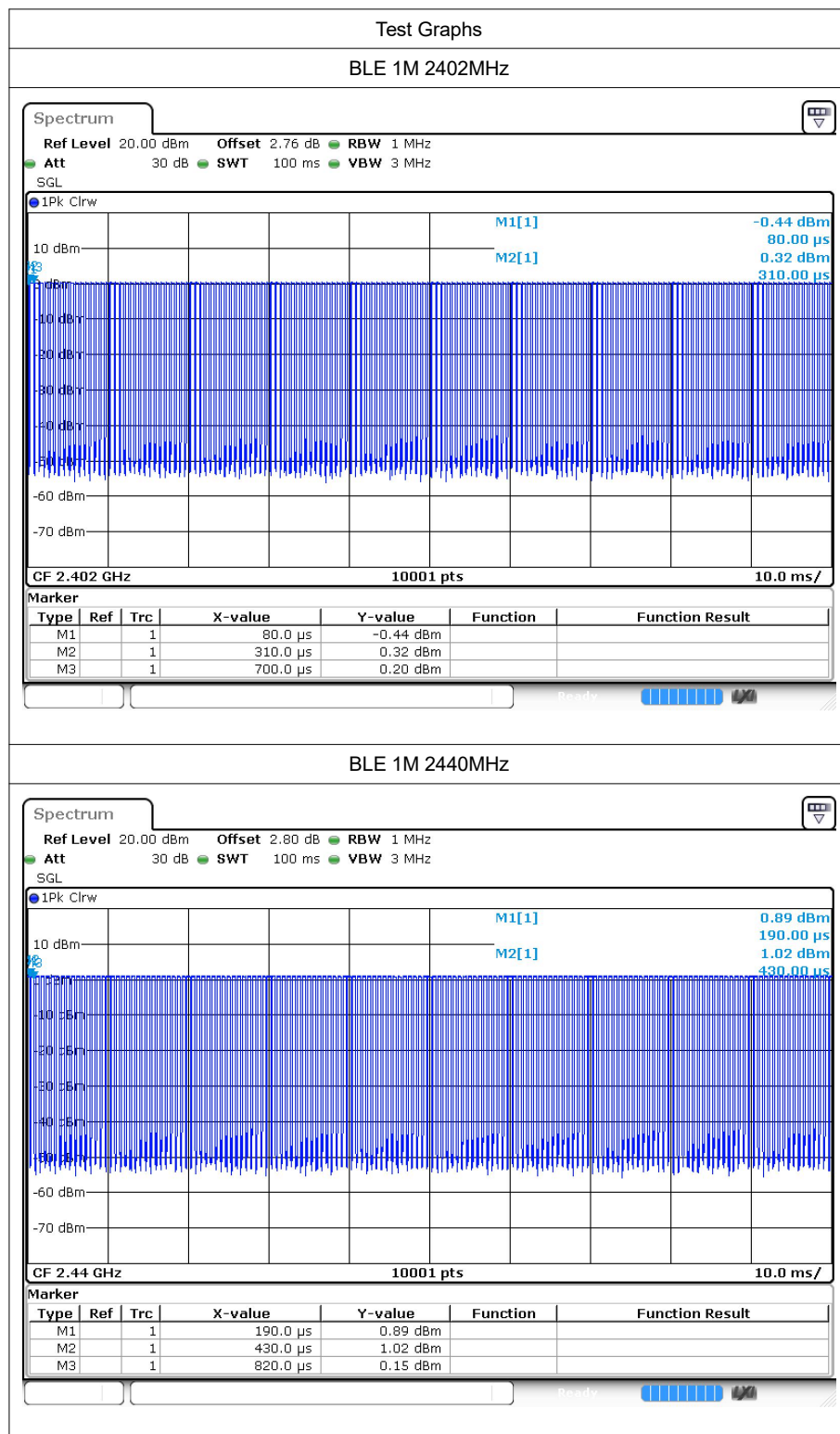


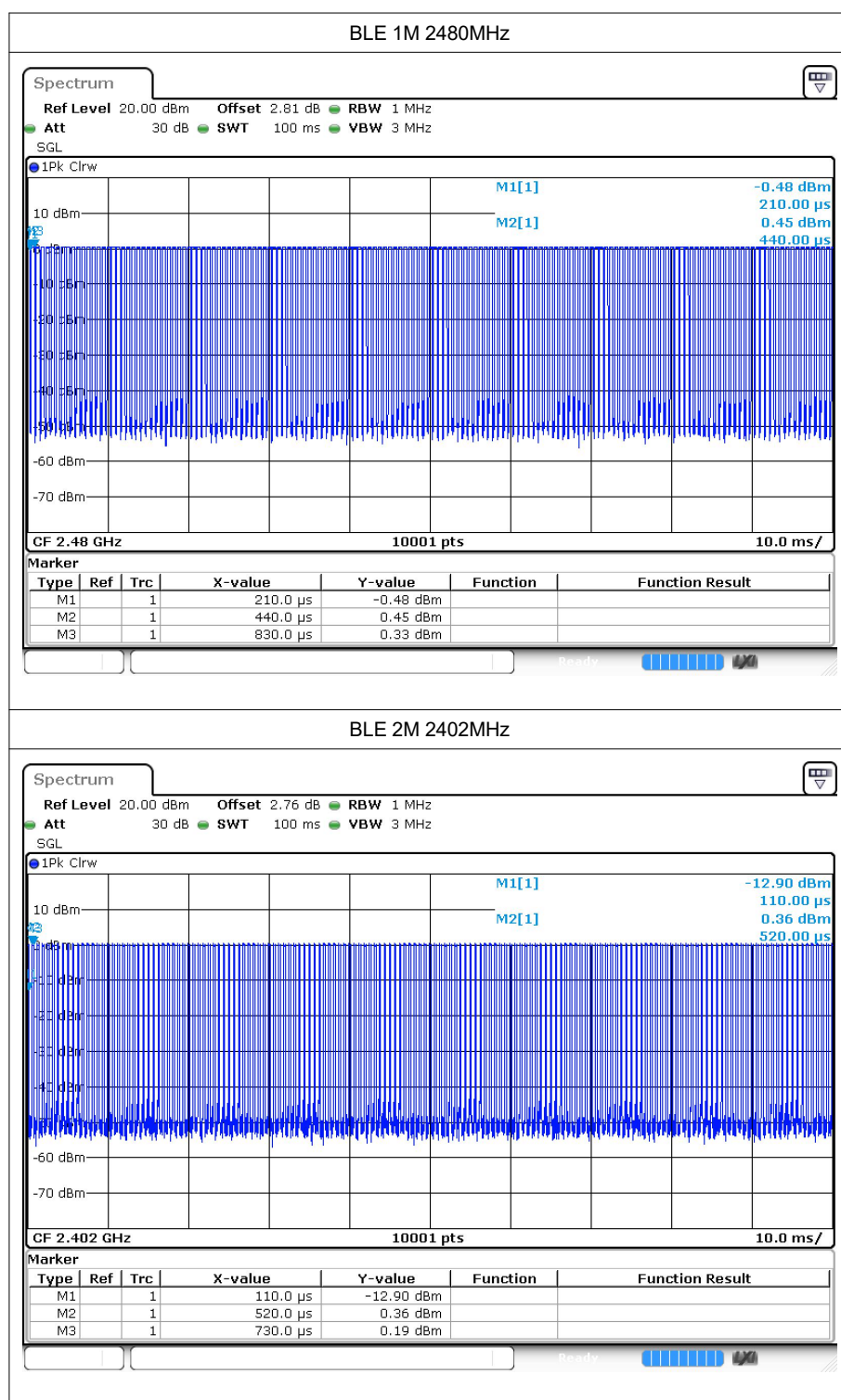
1 Duty Cycle

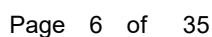
1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor	1/T (kHz)
BLE 1M	2402	64	1.94	2.56
BLE 1M	2440	64.14	1.93	2.56
BLE 1M	2480	64.44	1.91	2.56
BLE 2M	2402	35.21	4.53	4.76
BLE 2M	2440	34.45	4.63	5
BLE 2M	2480	35.2	4.54	4.76

1.2 Test Graphs







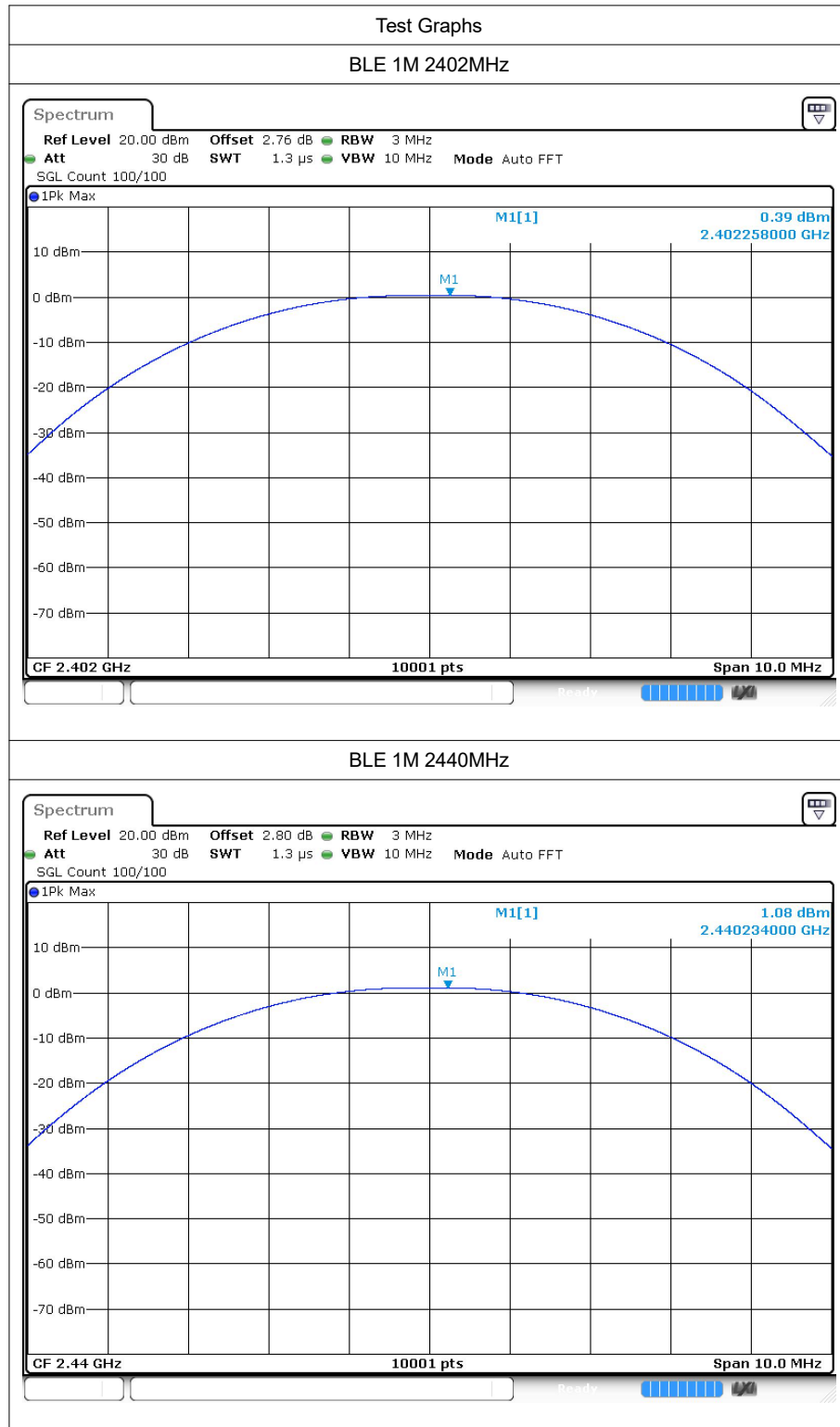


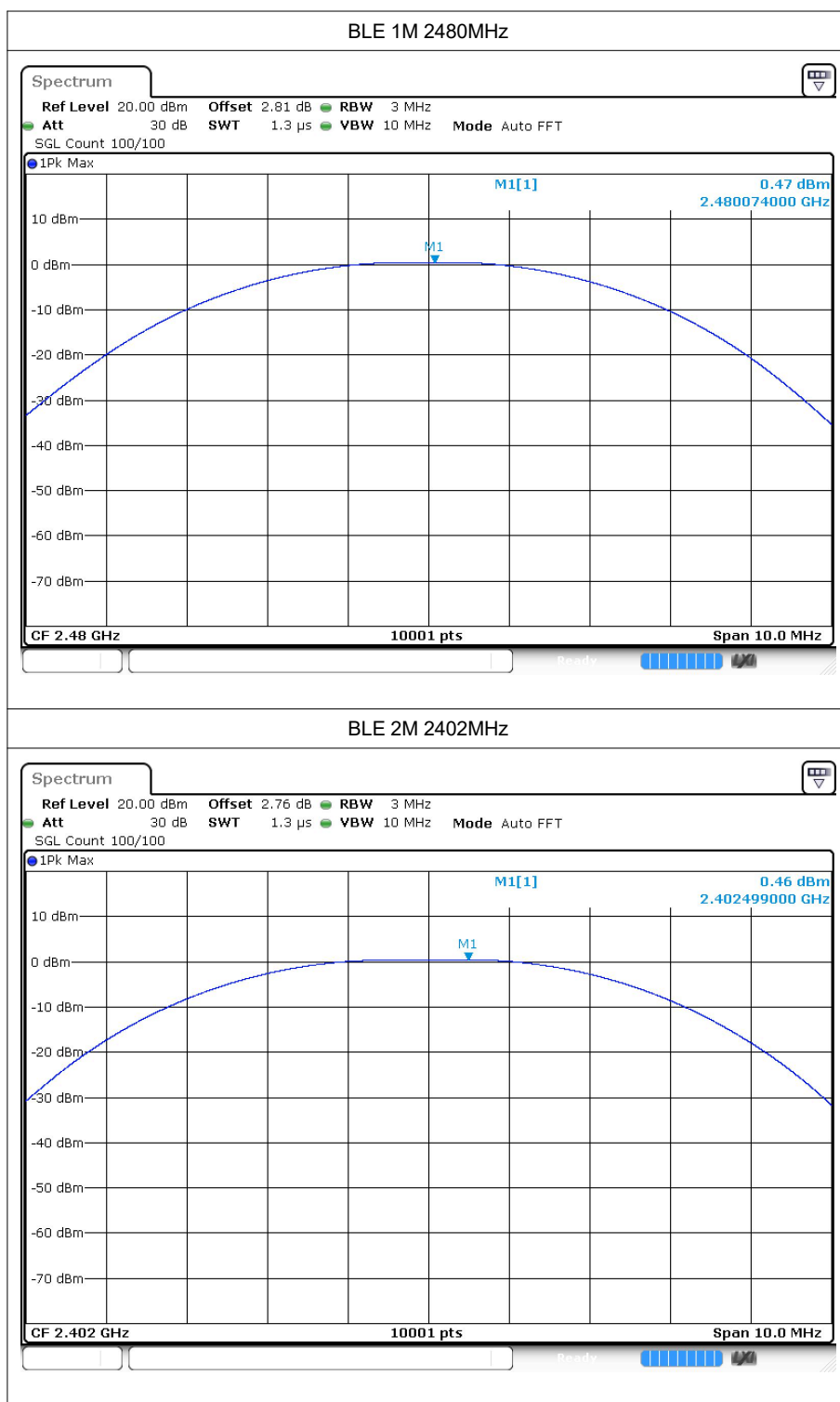
2 Maximum Conducted Output Power

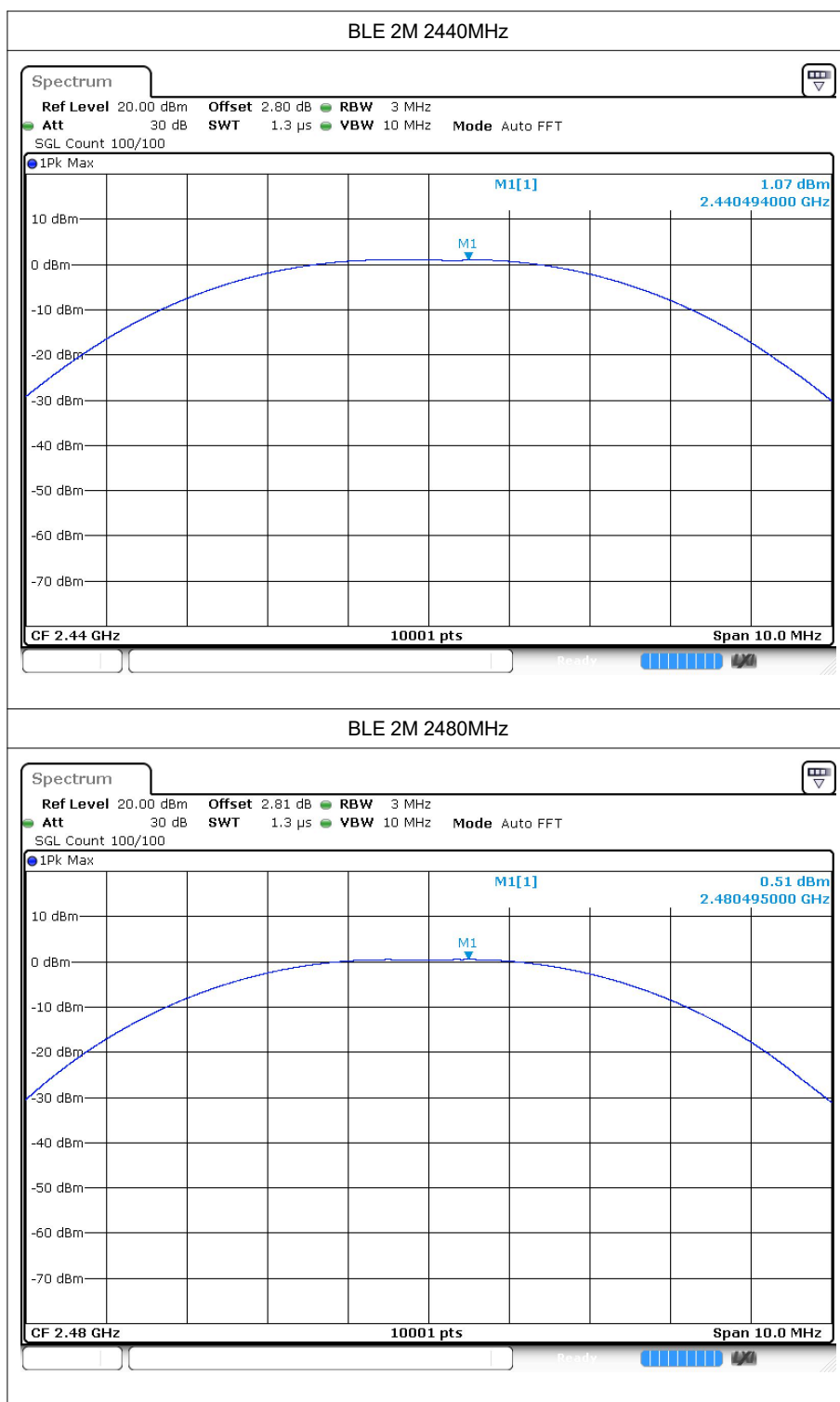
2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	0.39	30	Pass
BLE 1M	2440	1.08	30	Pass
BLE 1M	2480	0.47	30	Pass
BLE 2M	2402	0.46	30	Pass
BLE 2M	2440	1.07	30	Pass
BLE 2M	2480	0.51	30	Pass

2.2 Test Graphs







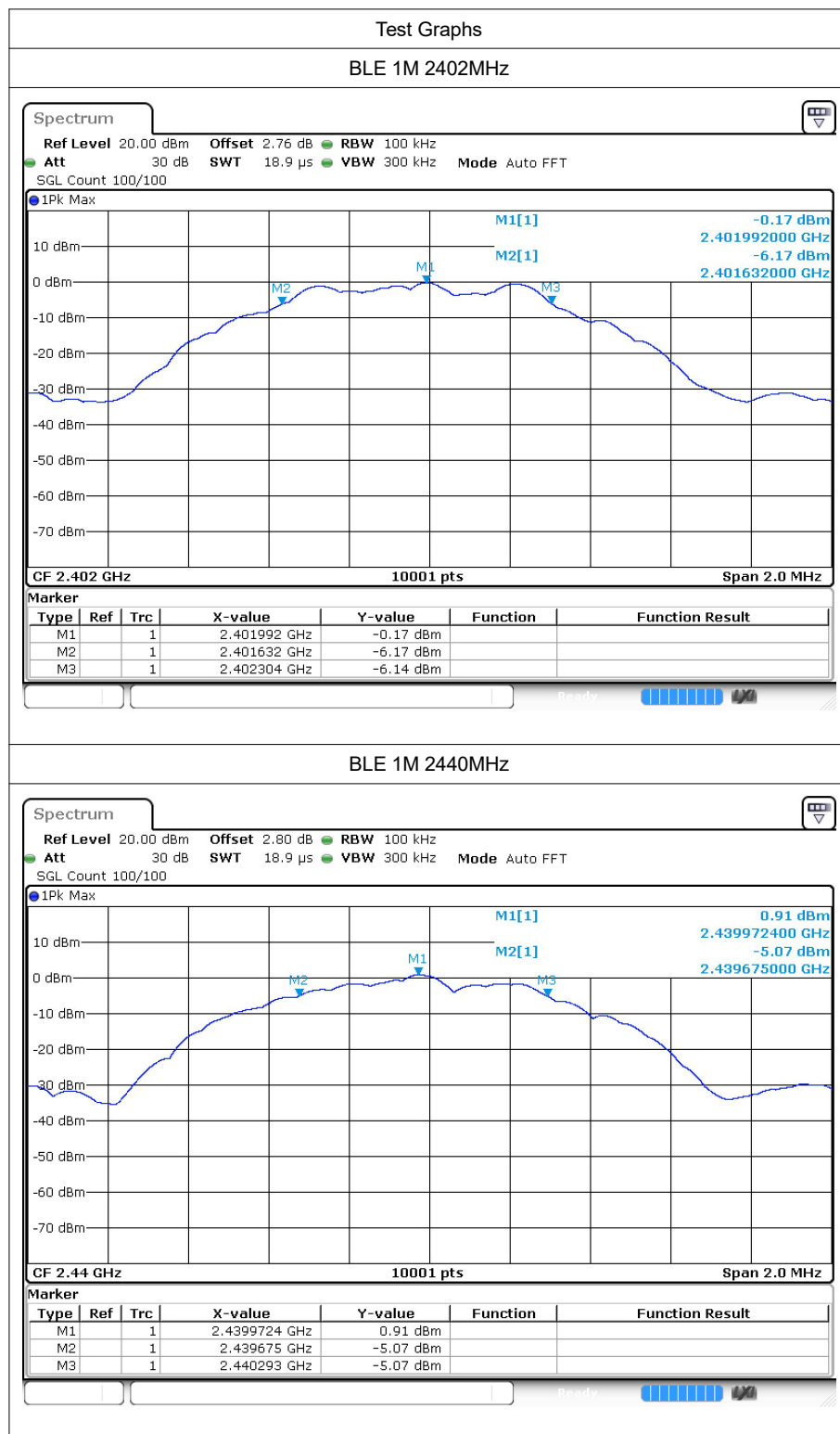


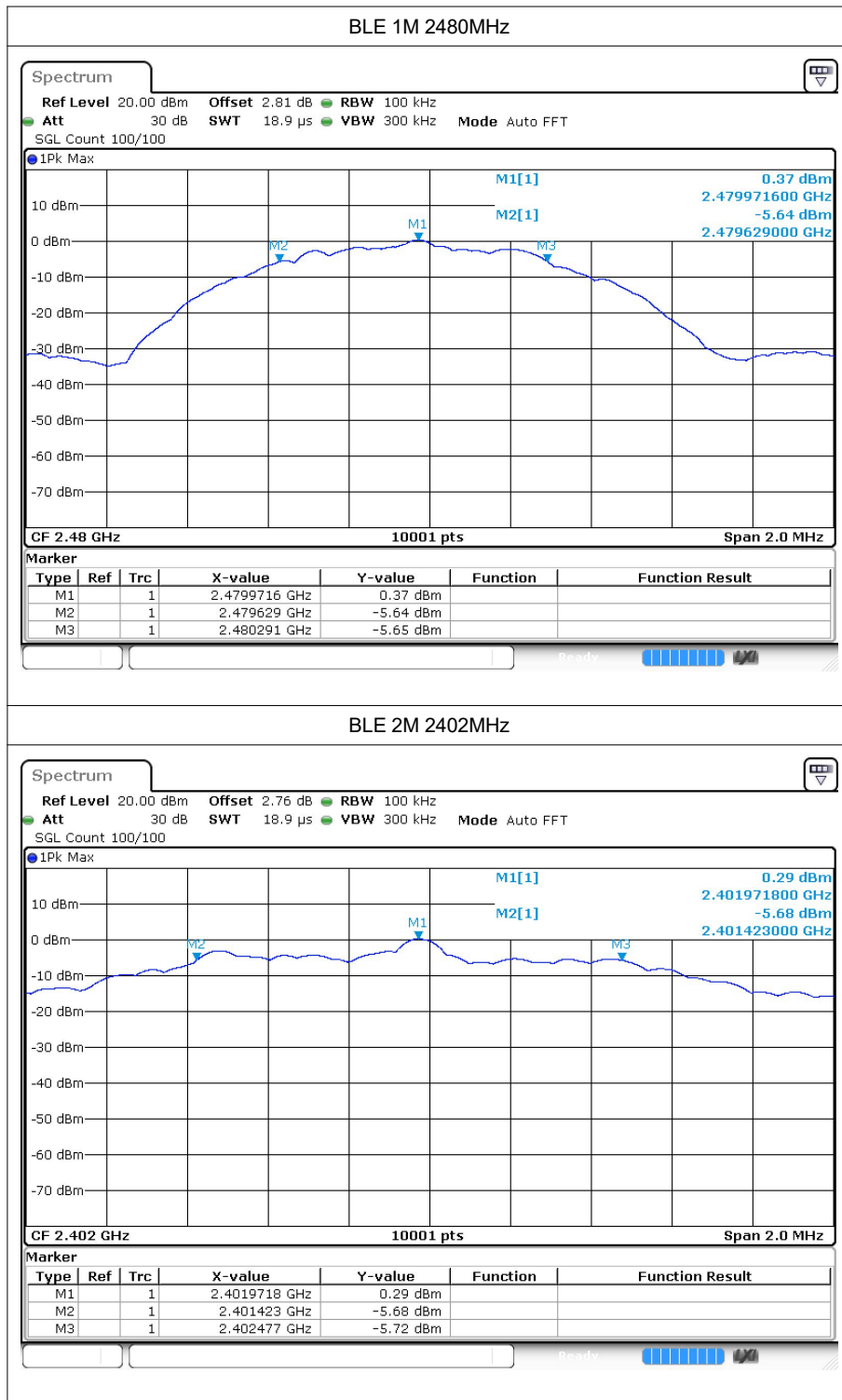
3 -6dB Bandwidth

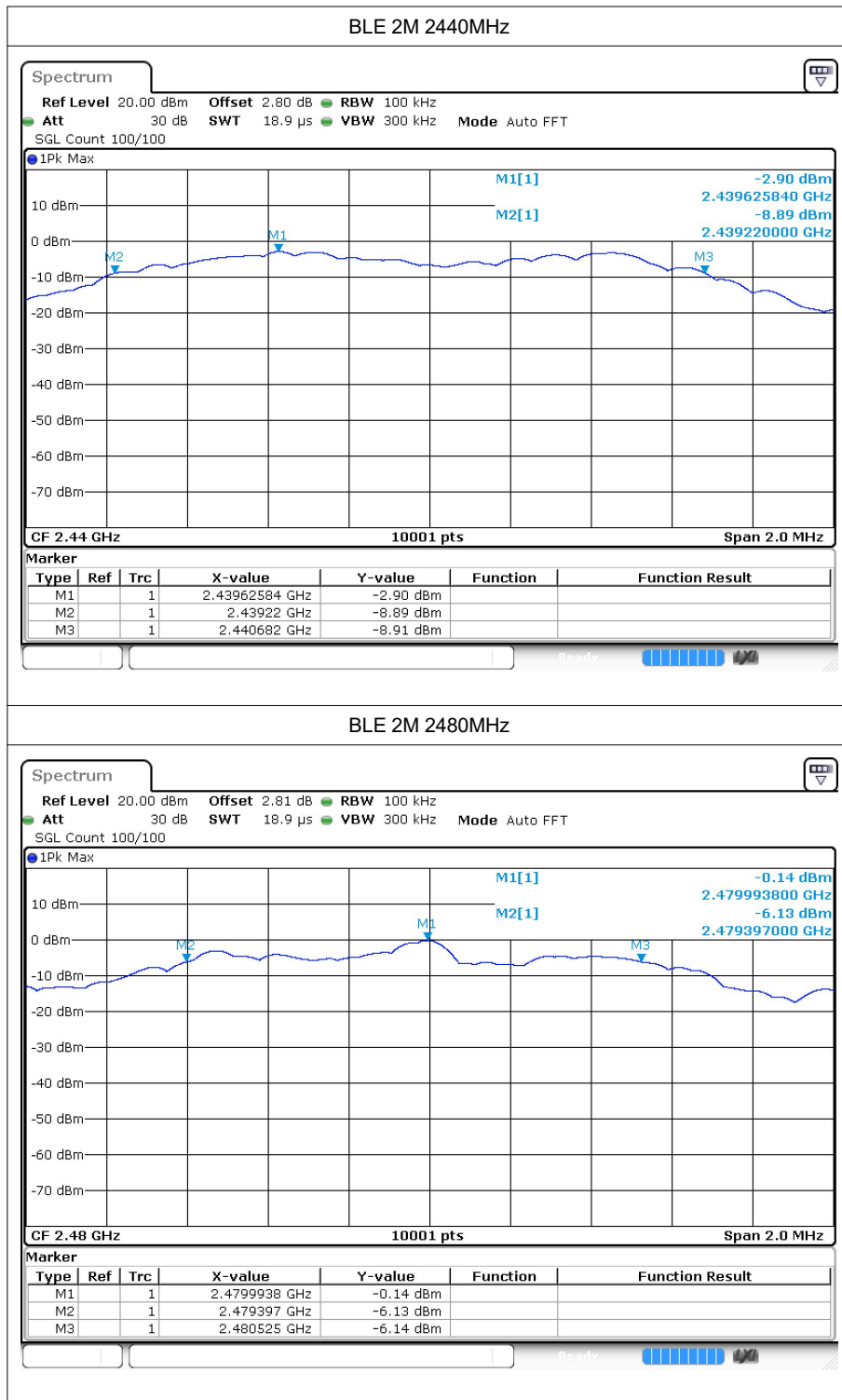
3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.672	0.5	Pass
BLE 1M	2440	0.619	0.5	Pass
BLE 1M	2480	0.662	0.5	Pass
BLE 2M	2402	1.055	0.5	Pass
BLE 2M	2440	1.462	0.5	Pass
BLE 2M	2480	1.128	0.5	Pass

3.2 Test Graphs





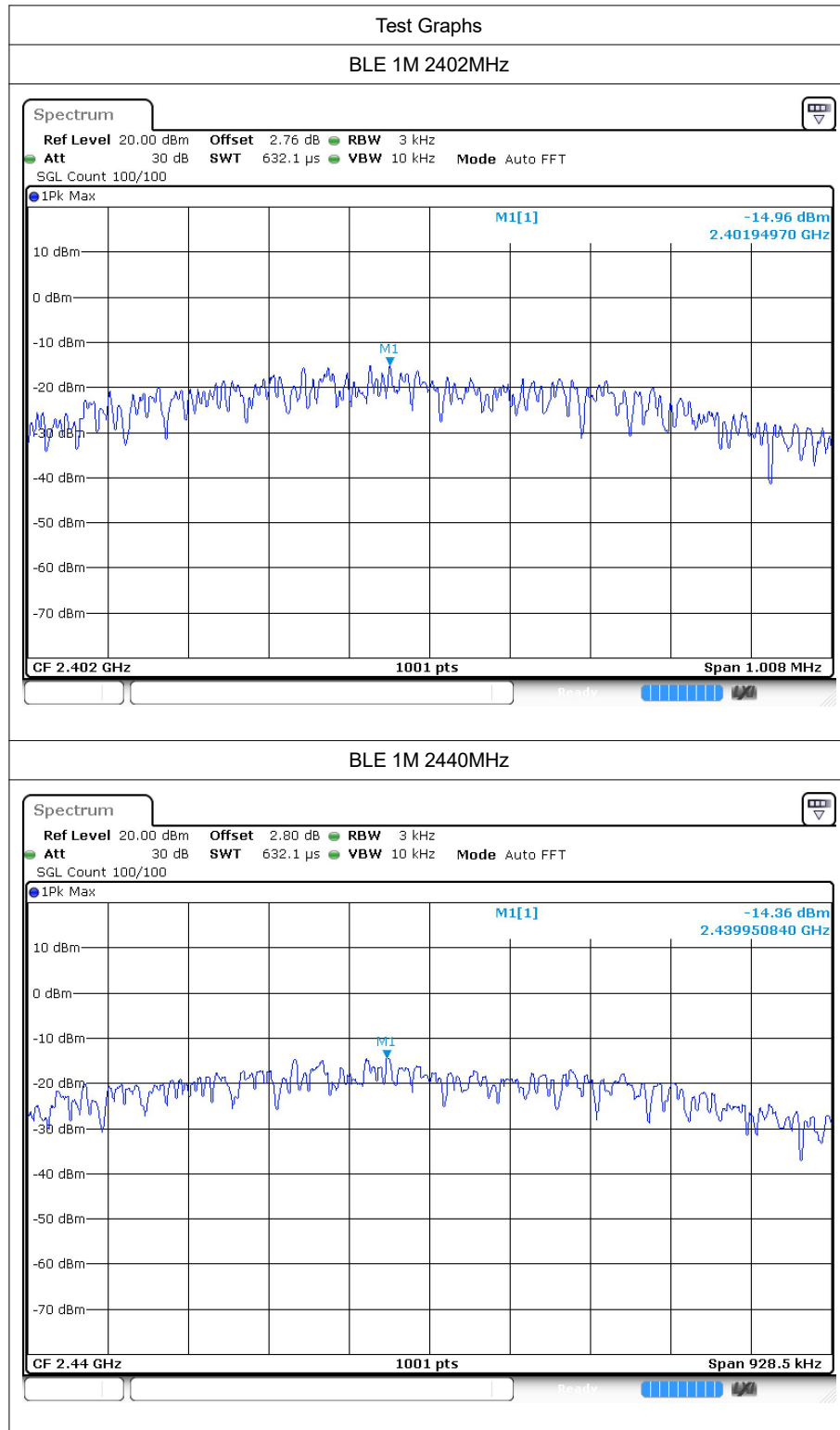


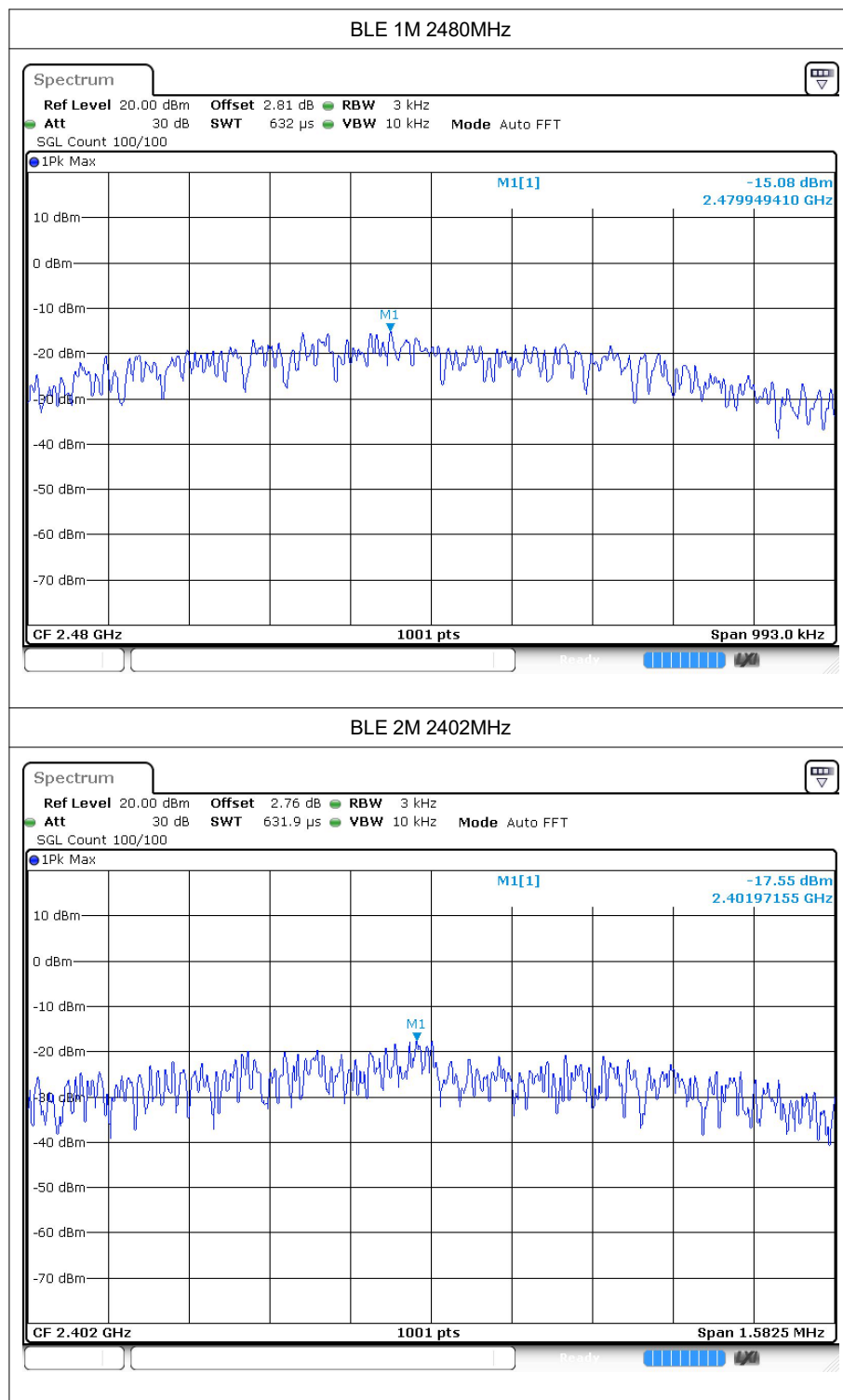
4 Maximum Power Spectral Density Level

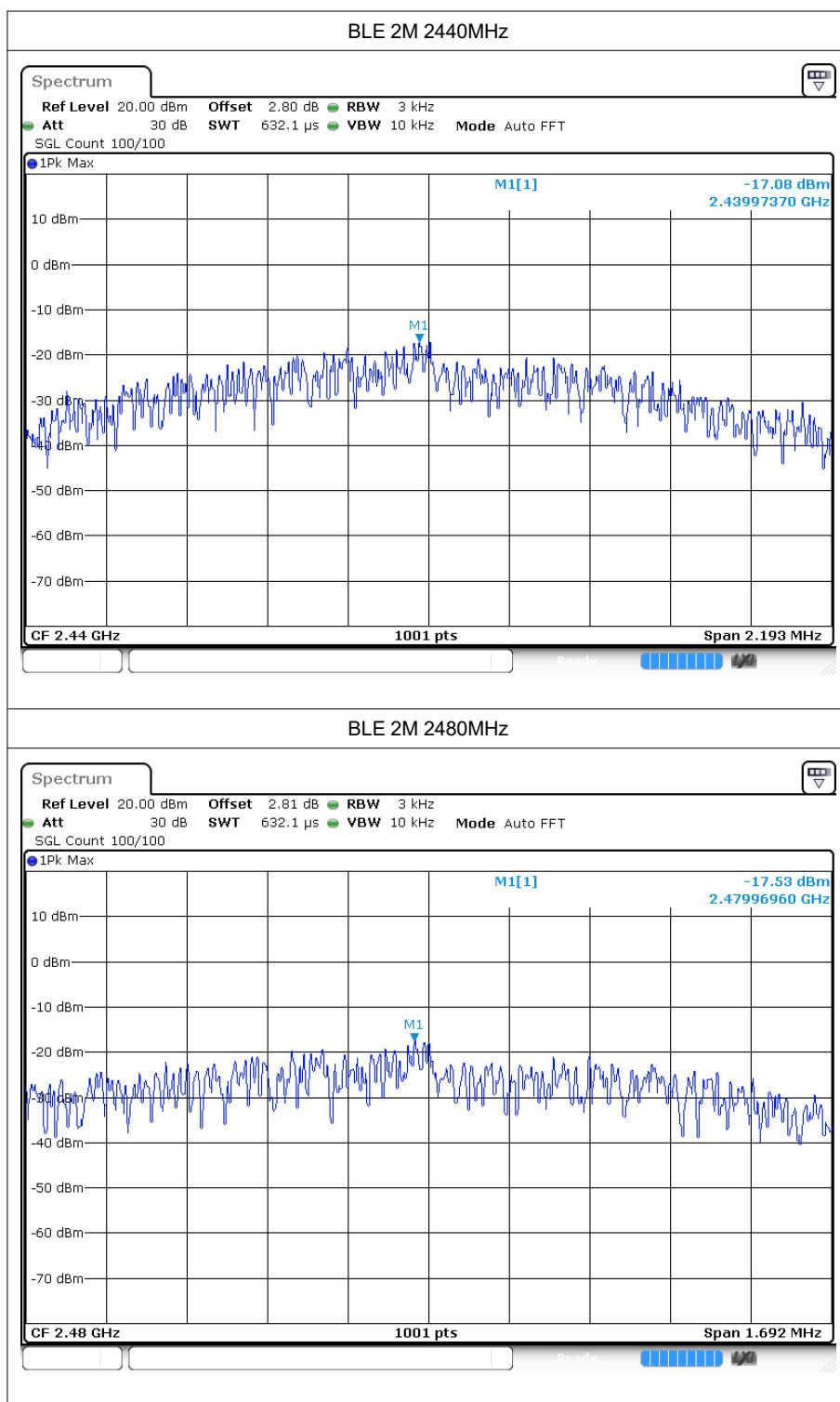
4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-14.96	≤8	Pass
BLE 1M	2440	-14.36	≤8	Pass
BLE 1M	2480	-15.08	≤8	Pass
BLE 2M	2402	-17.55	≤8	Pass
BLE 2M	2440	-17.08	≤8	Pass
BLE 2M	2480	-17.53	≤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	-54.69	-20	Pass
BLE 1M	2480	-46.51	-20	Pass
BLE 2M	2402	-55.73	-20	Pass
BLE 2M	2480	-48.3	-20	Pass

5.2 Test Graphs

