

Appendix B

RF Test Data for BLE Conducted Measurement

FCC ID:2A7DX-FLAT1

Product Name:Smart phone

Test Model:FLAT 1C

Environmental Conditions

Temperature:	21℃
Relative Humidity:	51%
ATM Pressure:	101Kpa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen

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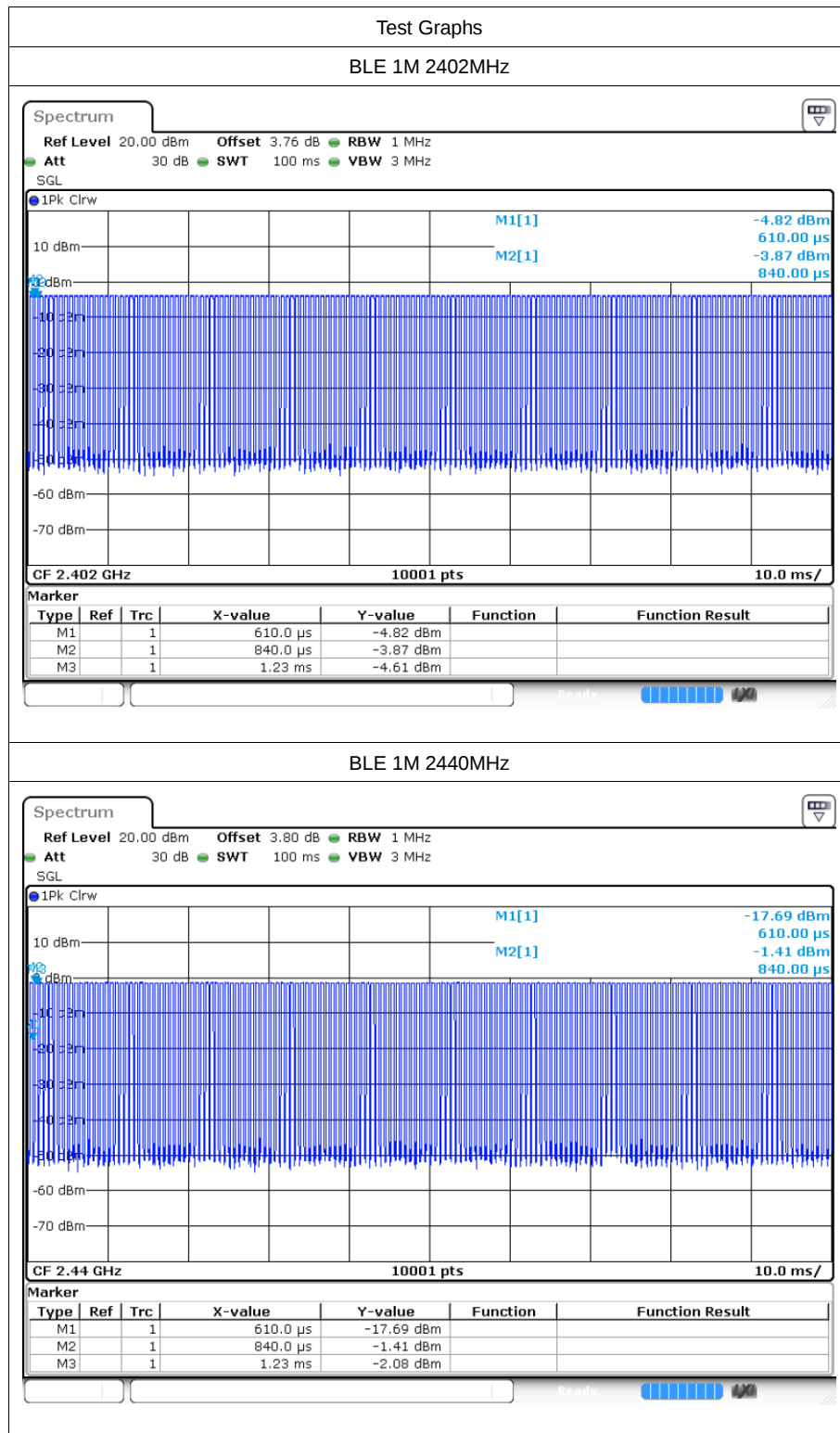
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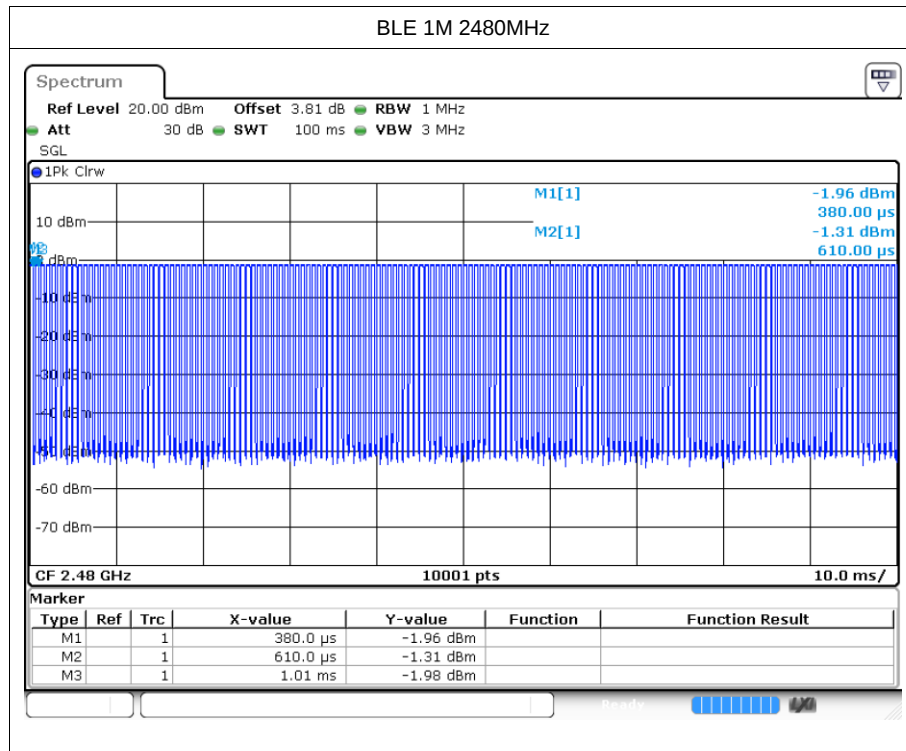
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	1/T (kHz)
BLE 1M	2402	64.79	2.56
BLE 1M	2440	64.79	2.56
BLE 1M	2480	64.8	2.5

1.2 Test Graphs



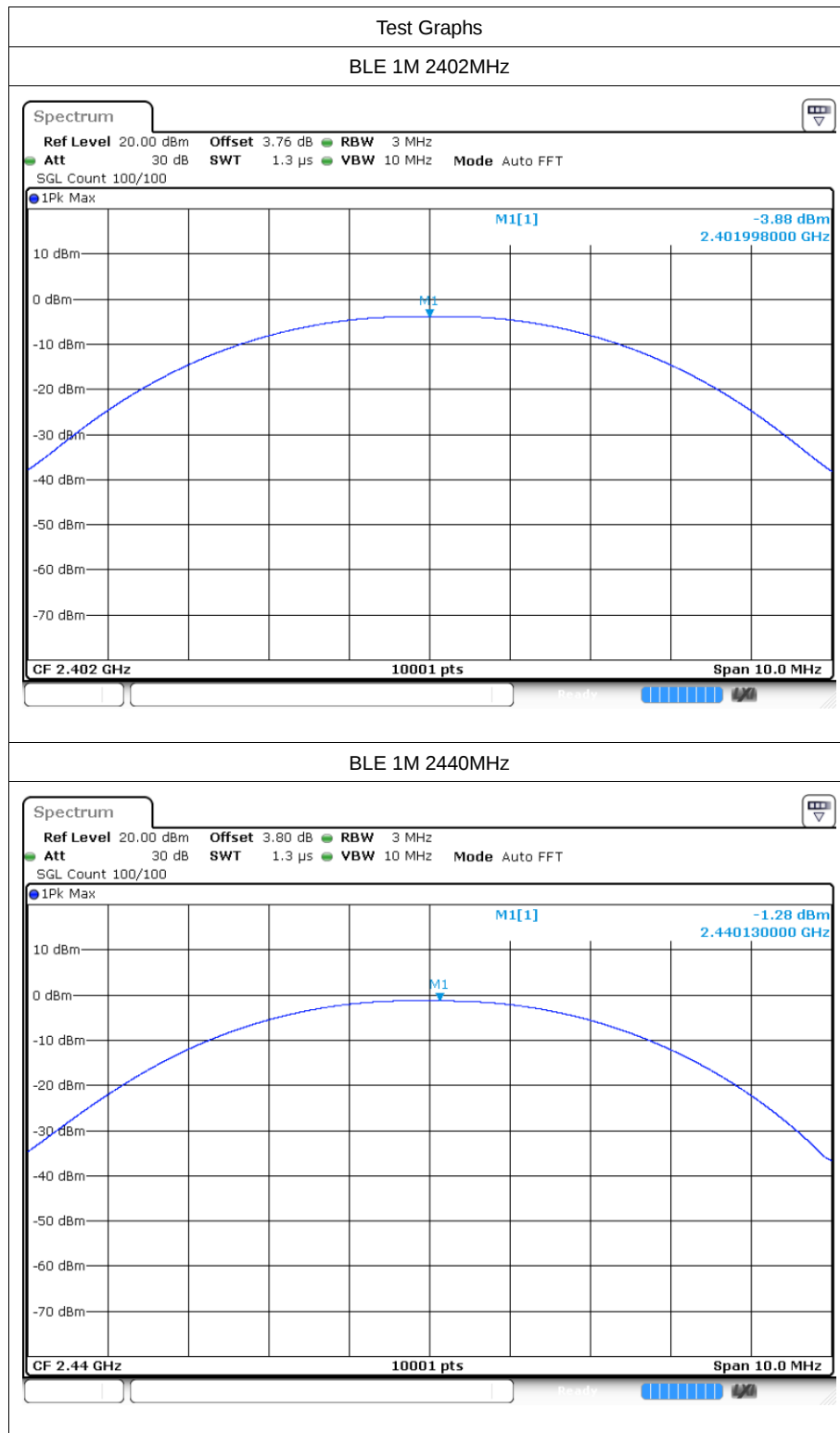


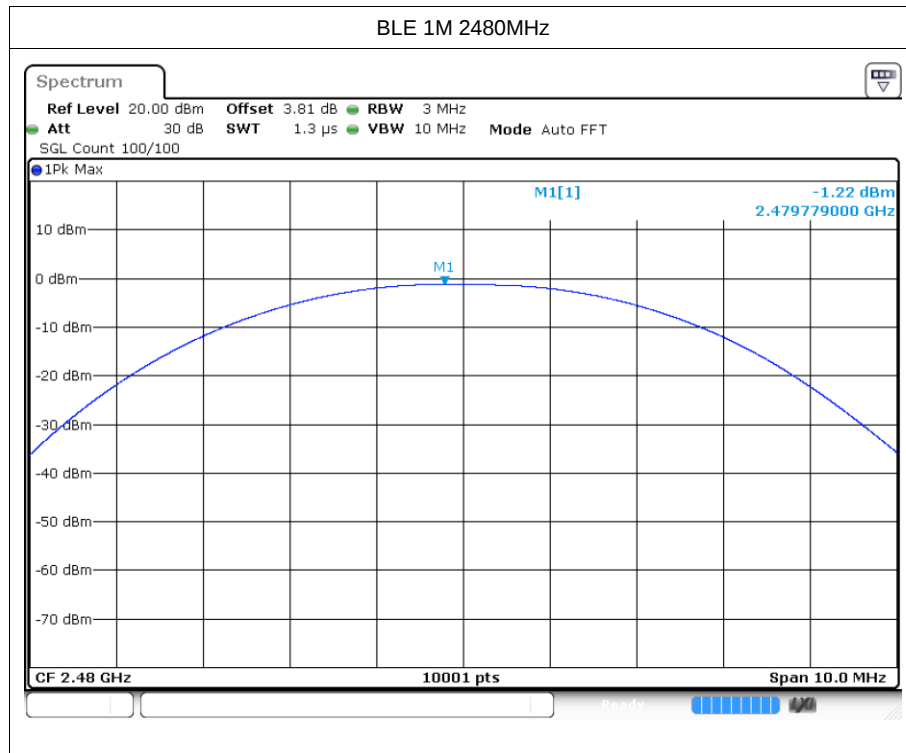
2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	-3.88	30	Pass
BLE 1M	2440	-1.28	30	Pass
BLE 1M	2480	-1.22	30	Pass

2.2 Test Graphs



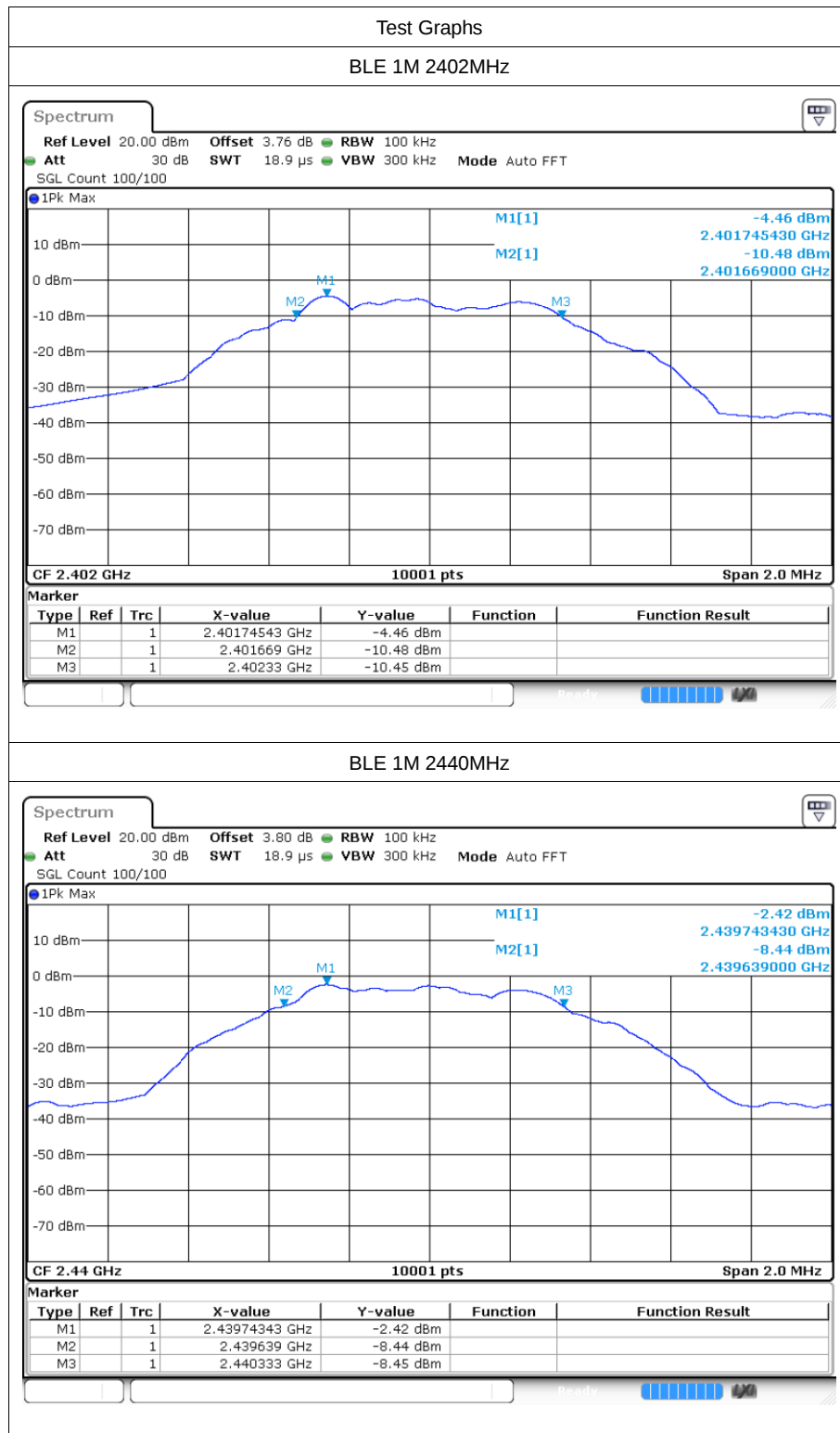


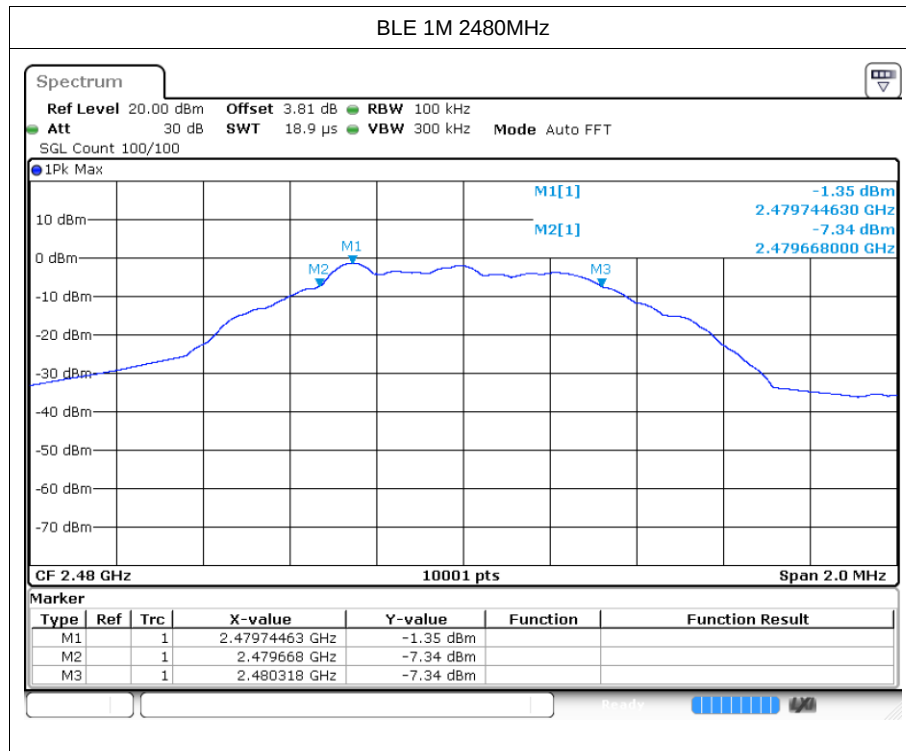
3 -6dB Bandwidth

3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.66	0.5	Pass
BLE 1M	2440	0.693	0.5	Pass
BLE 1M	2480	0.65	0.5	Pass

3.2 Test Graphs



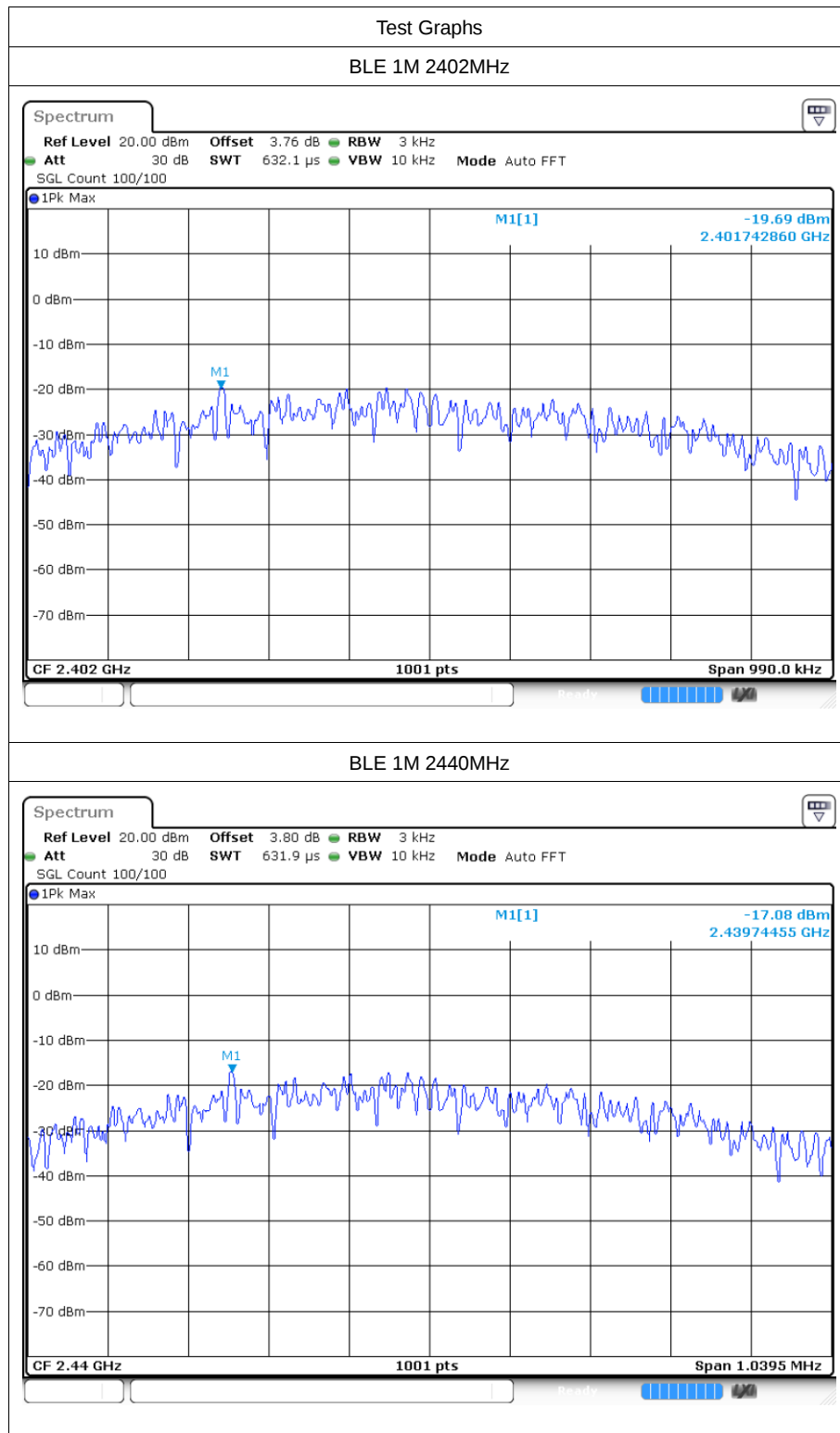


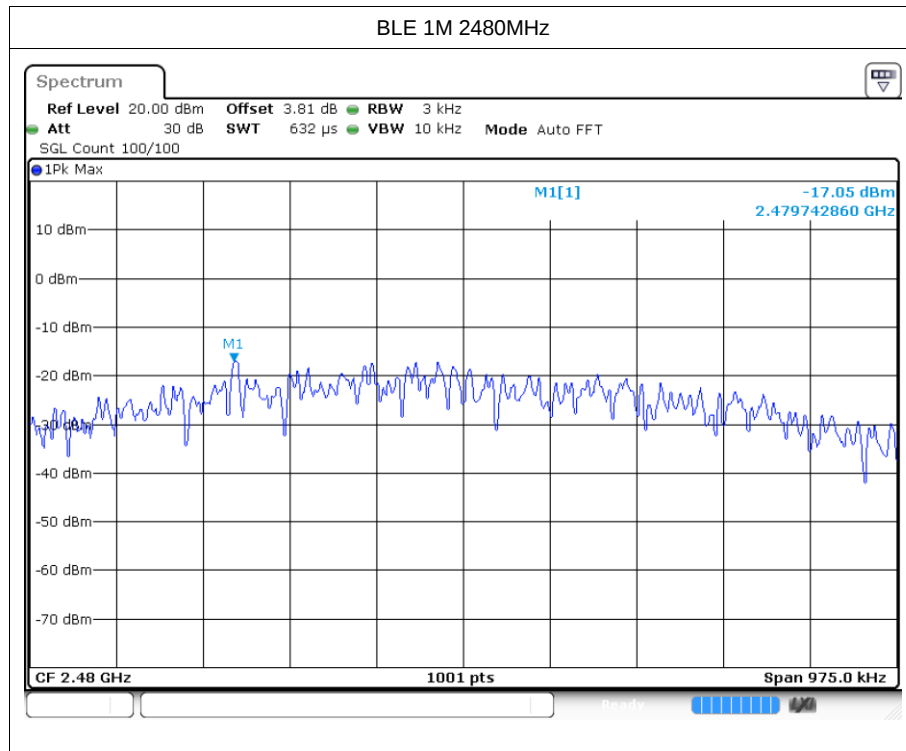
4 Maximum Power Spectral Density Level

4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-19.69	≤ 8	Pass
BLE 1M	2440	-17.08	≤ 8	Pass
BLE 1M	2480	-17.05	≤ 8	Pass

4.2 Test Graphs



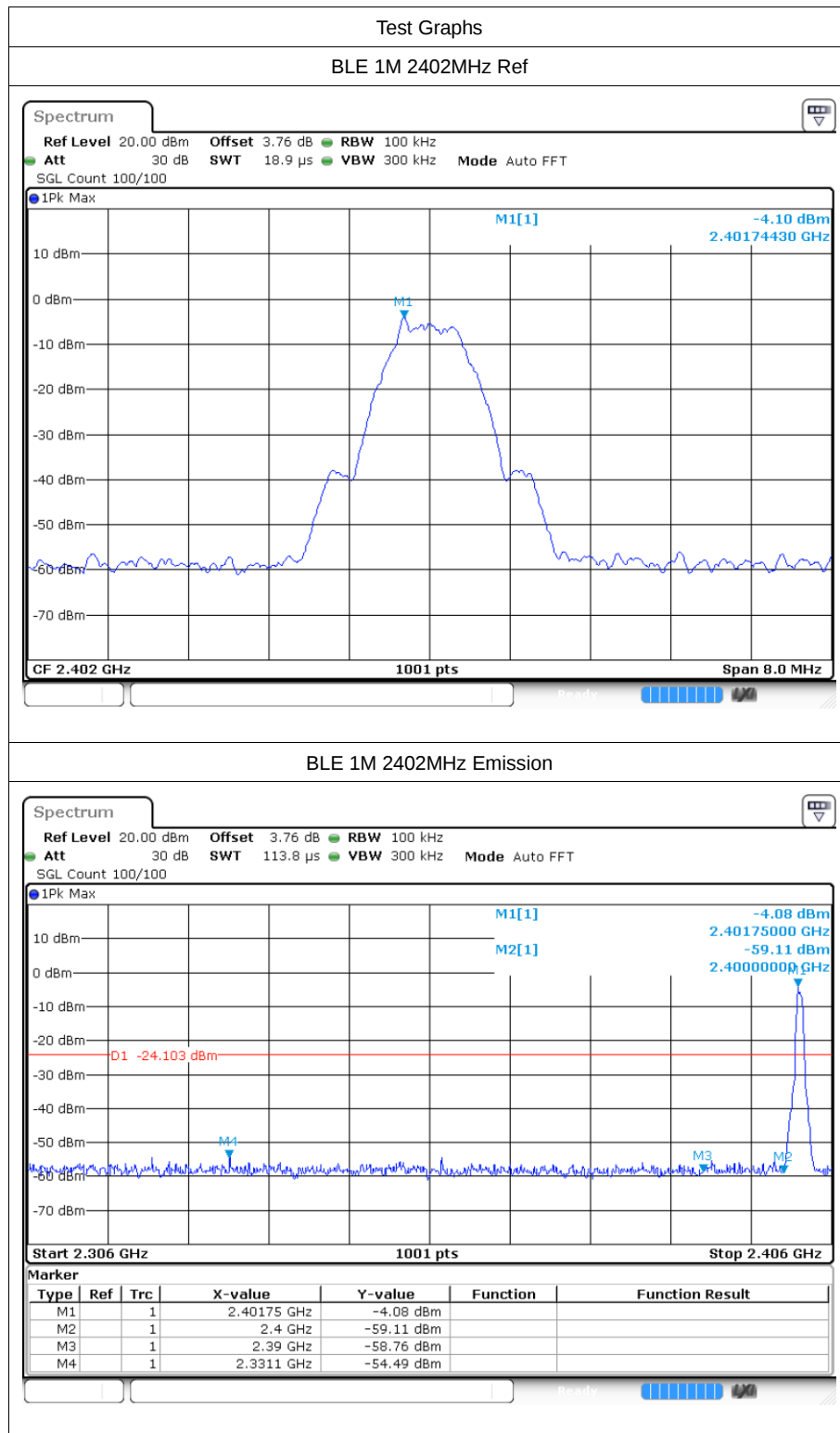


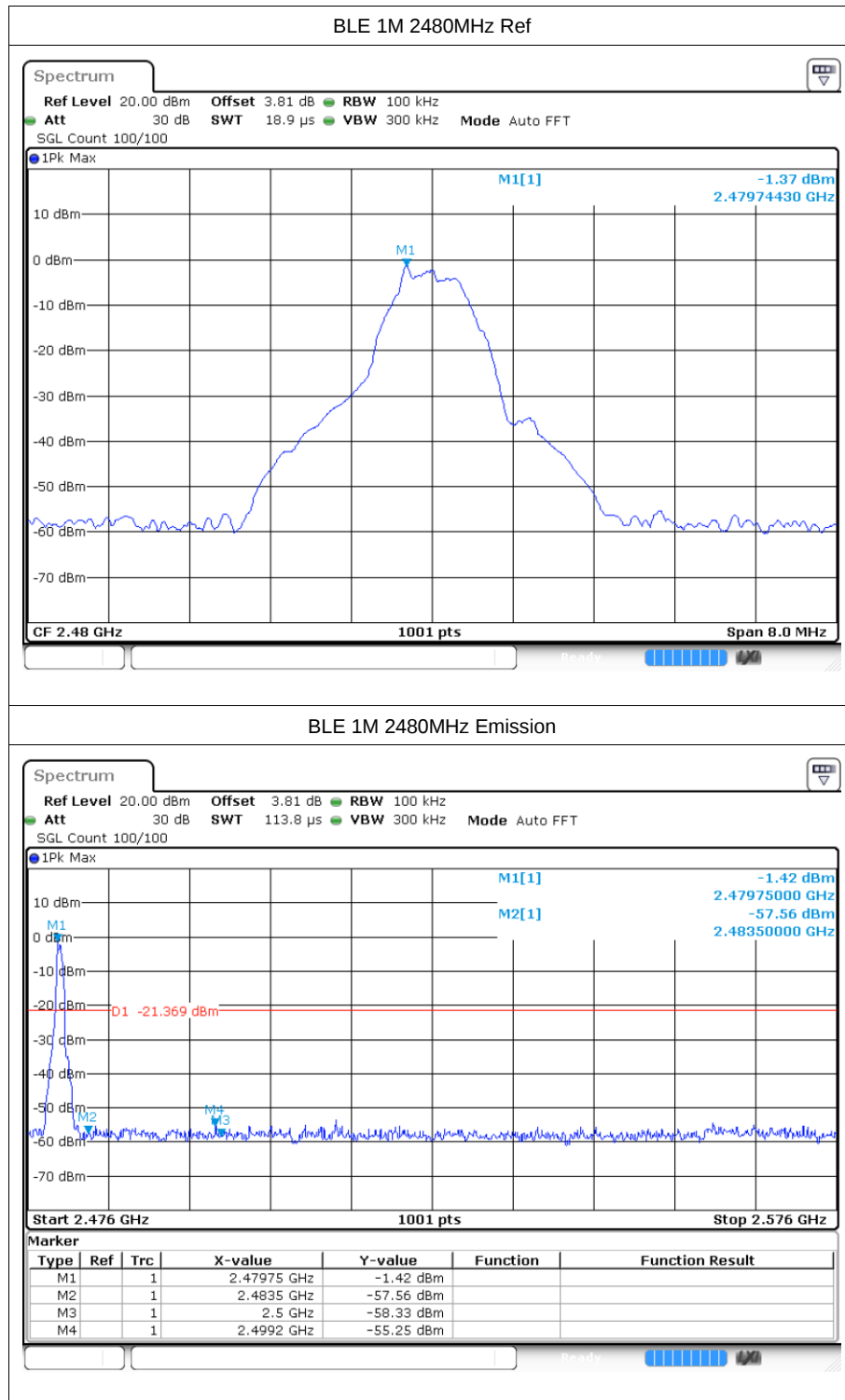
5 Band Edge

5.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-50.38	-20	Pass
BLE 1M	2480	-53.87	-20	Pass

5.2 Test Graphs



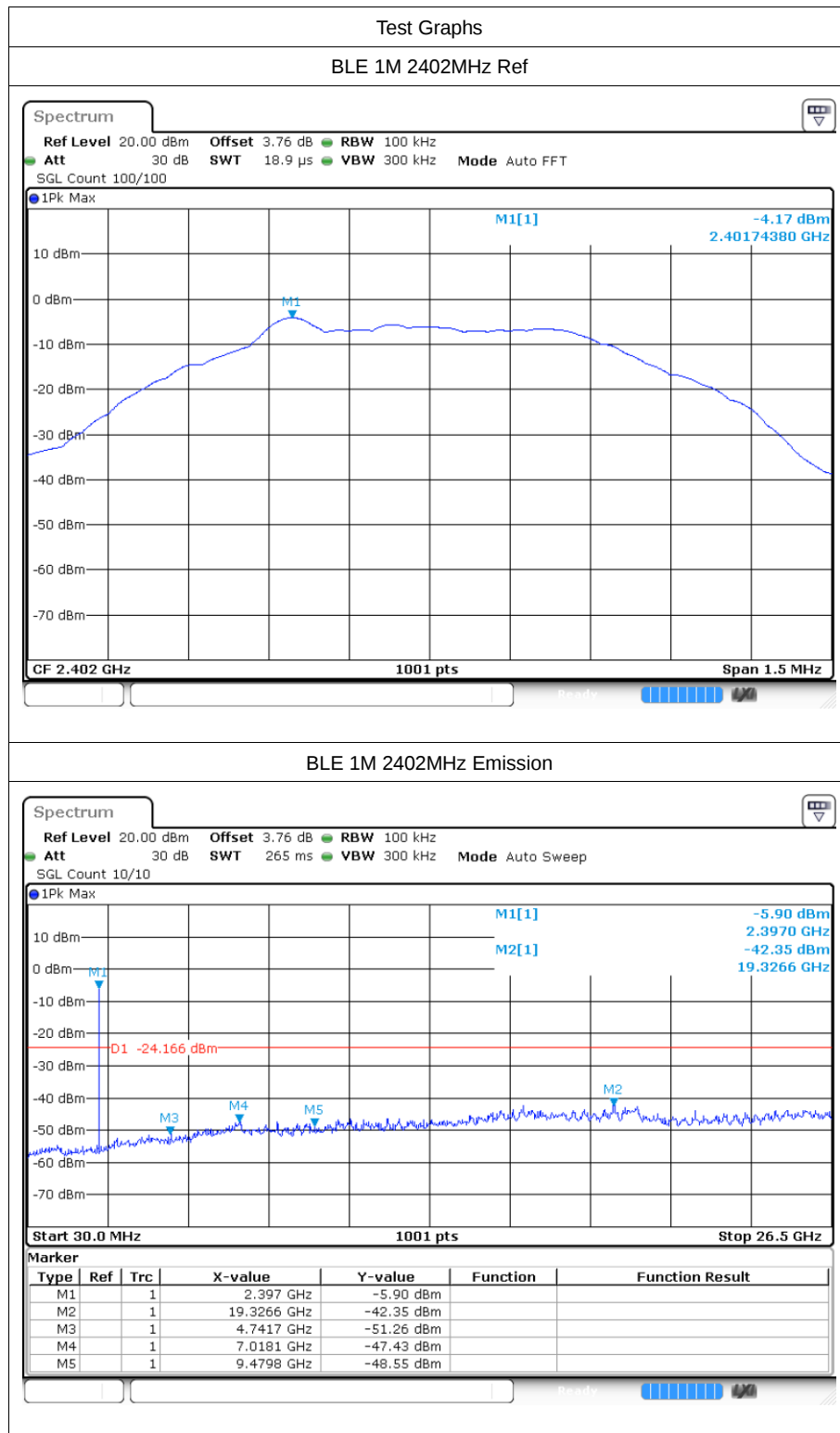


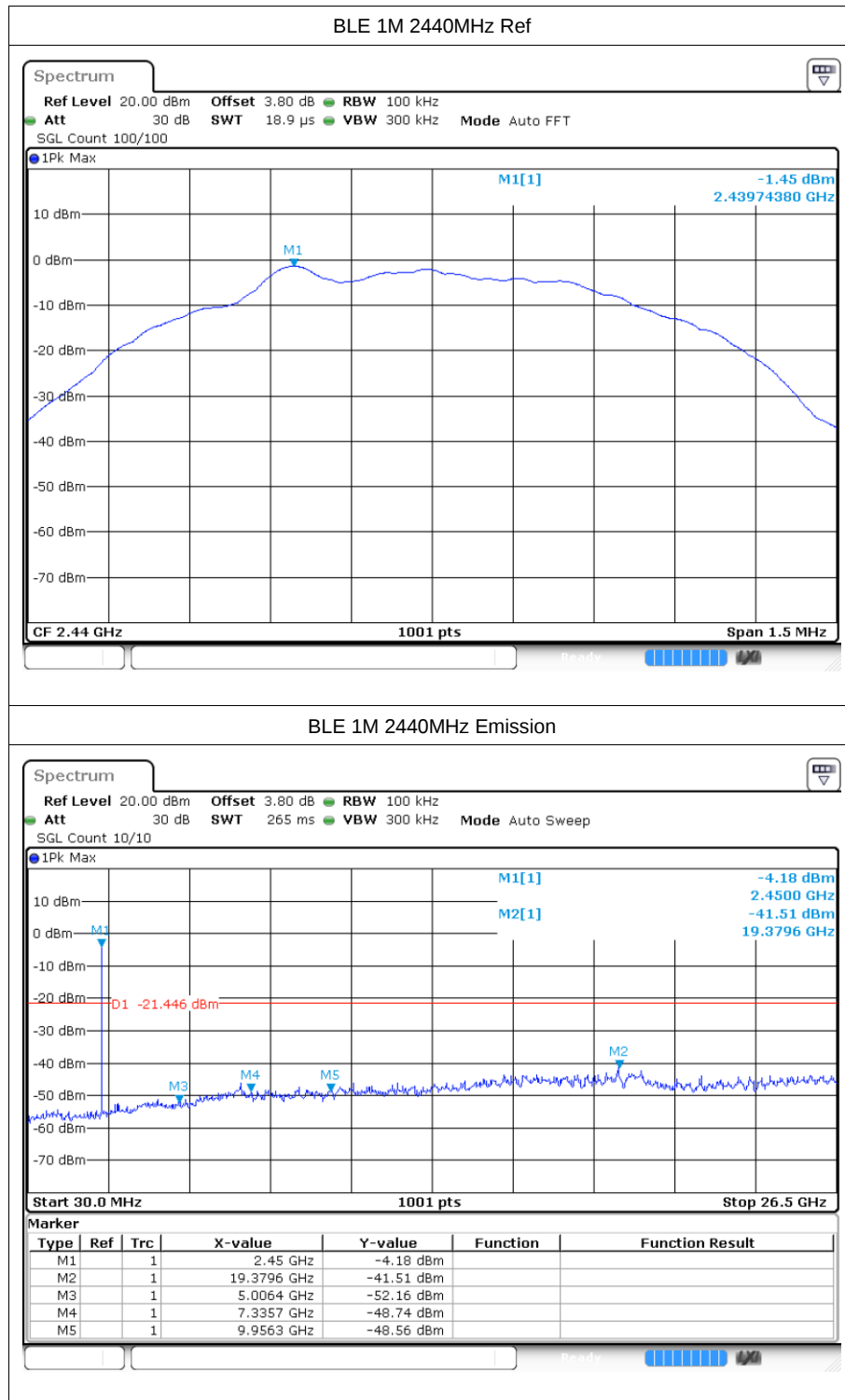
6 Conducted RF Spurious Emission

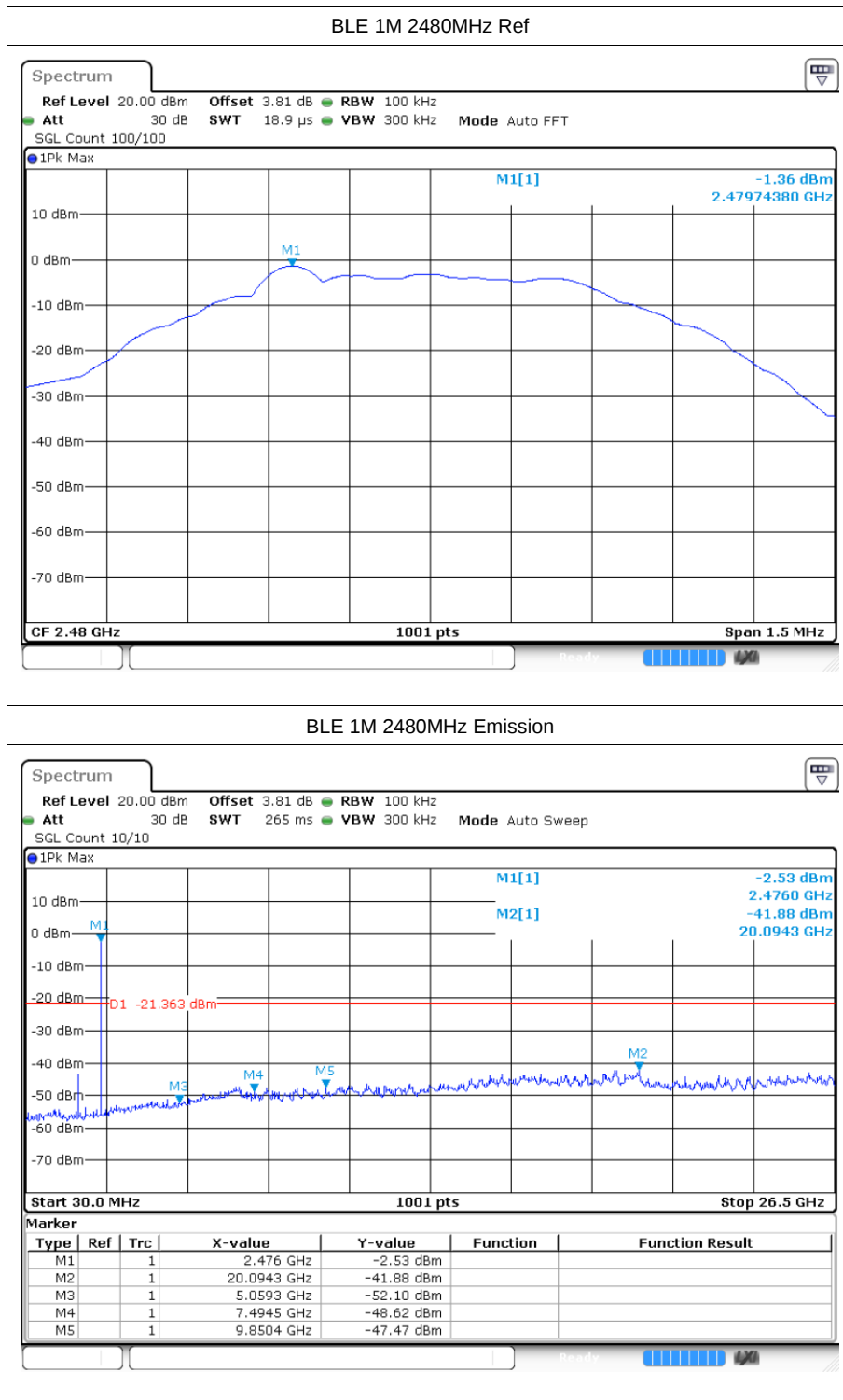
6.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-38.17	-20	Pass
BLE 1M	2440	-40.05	-20	Pass
BLE 1M	2480	-40.52	-20	Pass

6.2 Test Graphs





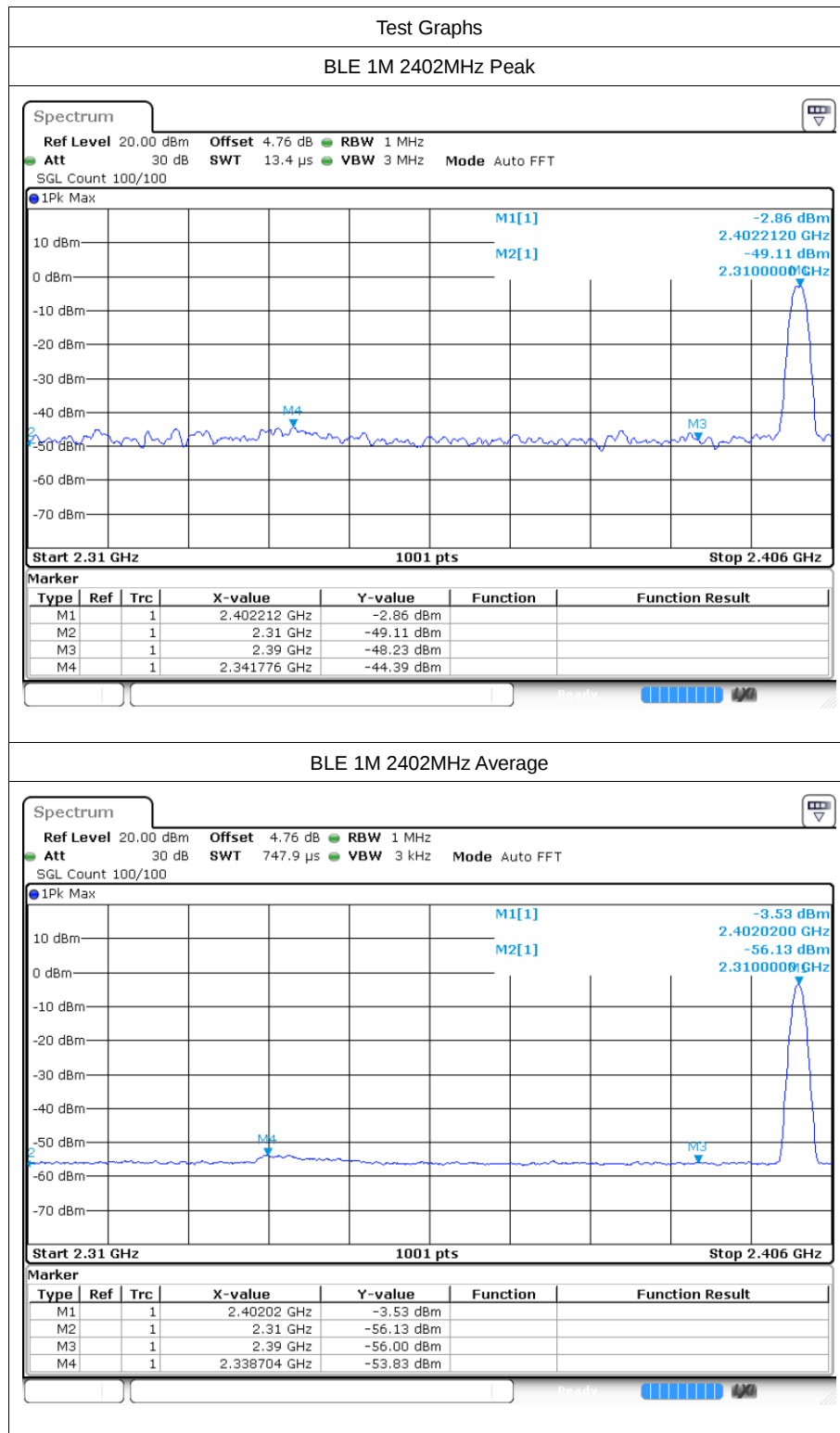


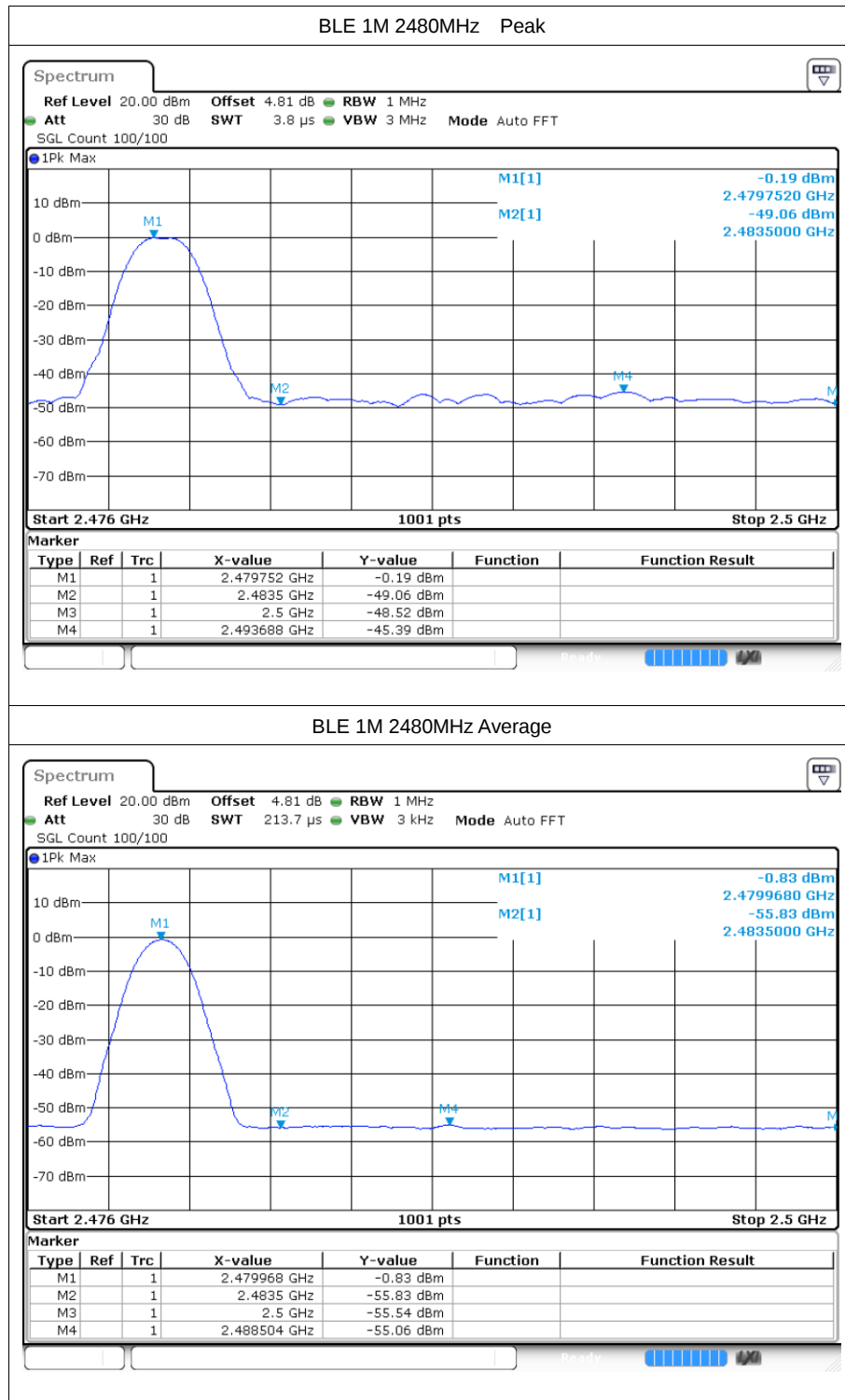
7 Restrict Band

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	-49.11	2	48.15	Peak	74	Pass
BLE 1M	2402	2310	-56.13	2	41.13	Average	54	Pass
BLE 1M	2402	2341.776	-44.38	2	52.88	Peak	74	Pass
BLE 1M	2402	2338.704	-53.83	2	43.43	Average	54	Pass
BLE 1M	2402	2390	-48.23	2	49.03	Peak	74	Pass
BLE 1M	2402	2390	-55.99	2	41.27	Average	54	Pass
BLE 1M	2480	2483.5	-49.01	2	48.25	Peak	74	Pass
BLE 1M	2480	2483.5	-55.79	2	41.47	Average	54	Pass
BLE 1M	2480	2493.688	-45.38	2	51.88	Peak	74	Pass
BLE 1M	2480	2488.504	-55.05	2	42.21	Average	54	Pass
BLE 1M	2480	2500	-48.52	2	48.74	Peak	74	Pass
BLE 1M	2480	2500	-55.53	2	41.73	Average	54	Pass

7.2 Test Graphs





---The End---