



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

Product Name: Compact 150W Monolight

Trade Mark: Genaray

Test Model: 150W-BI-K1

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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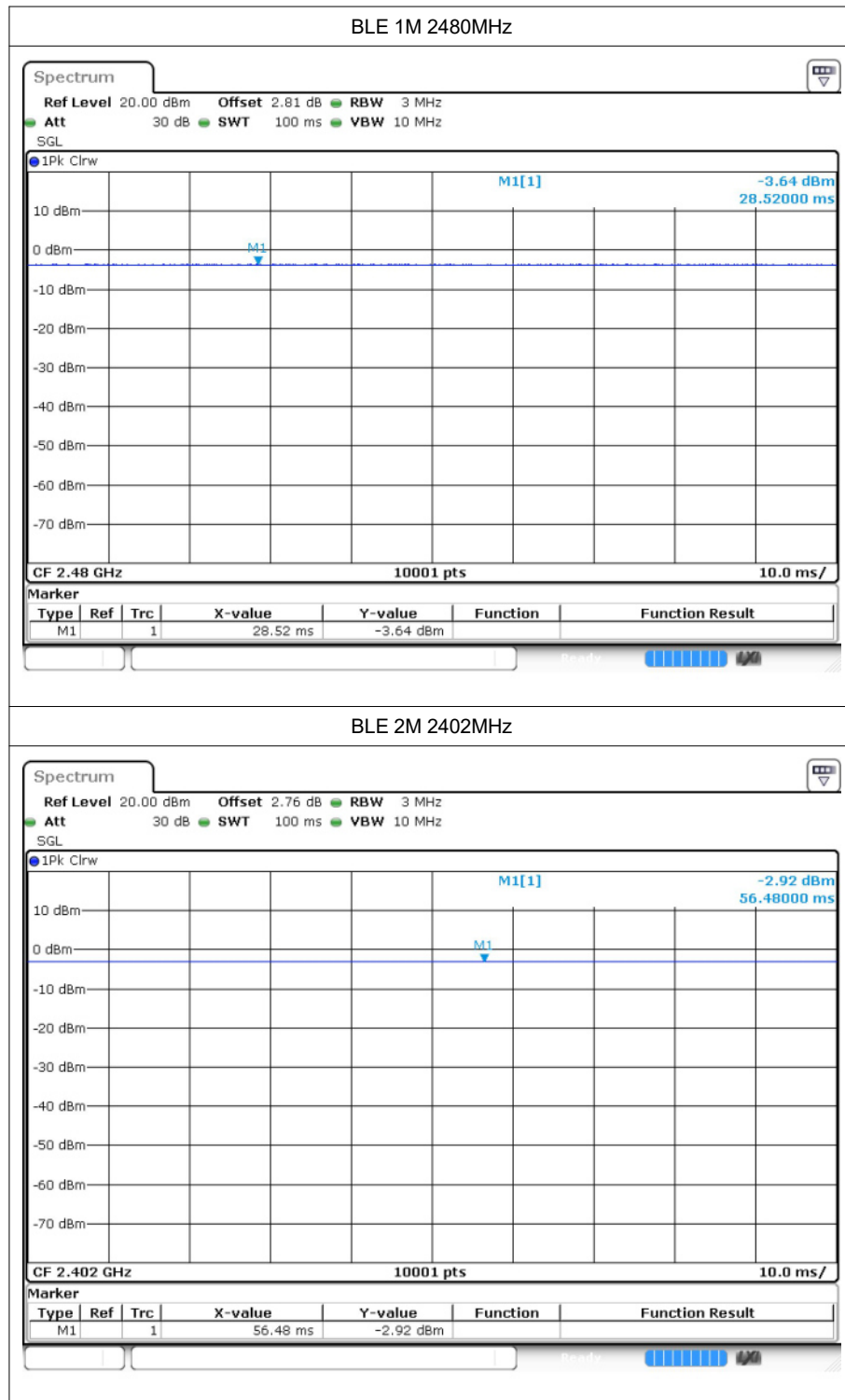
1 Duty Cycle

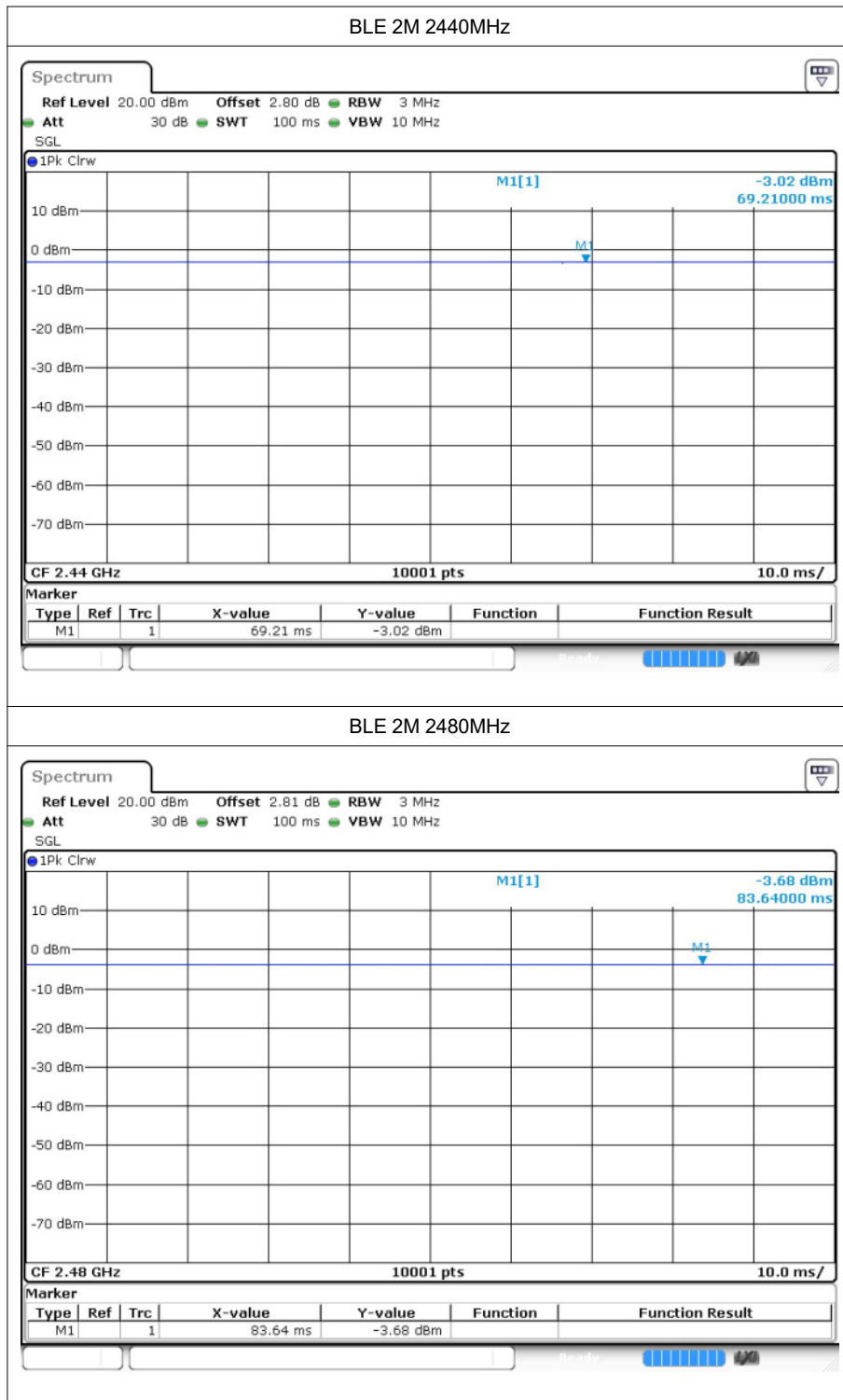
1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor	1/T (kHz)
BLE 1M	2402	100	0	0
BLE 1M	2440	100	0	0
BLE 1M	2480	100	0	0
BLE 2M	2402	100	0	0
BLE 2M	2440	100	0	0
BLE 2M	2480	100	0	0

1.2 Test Graphs







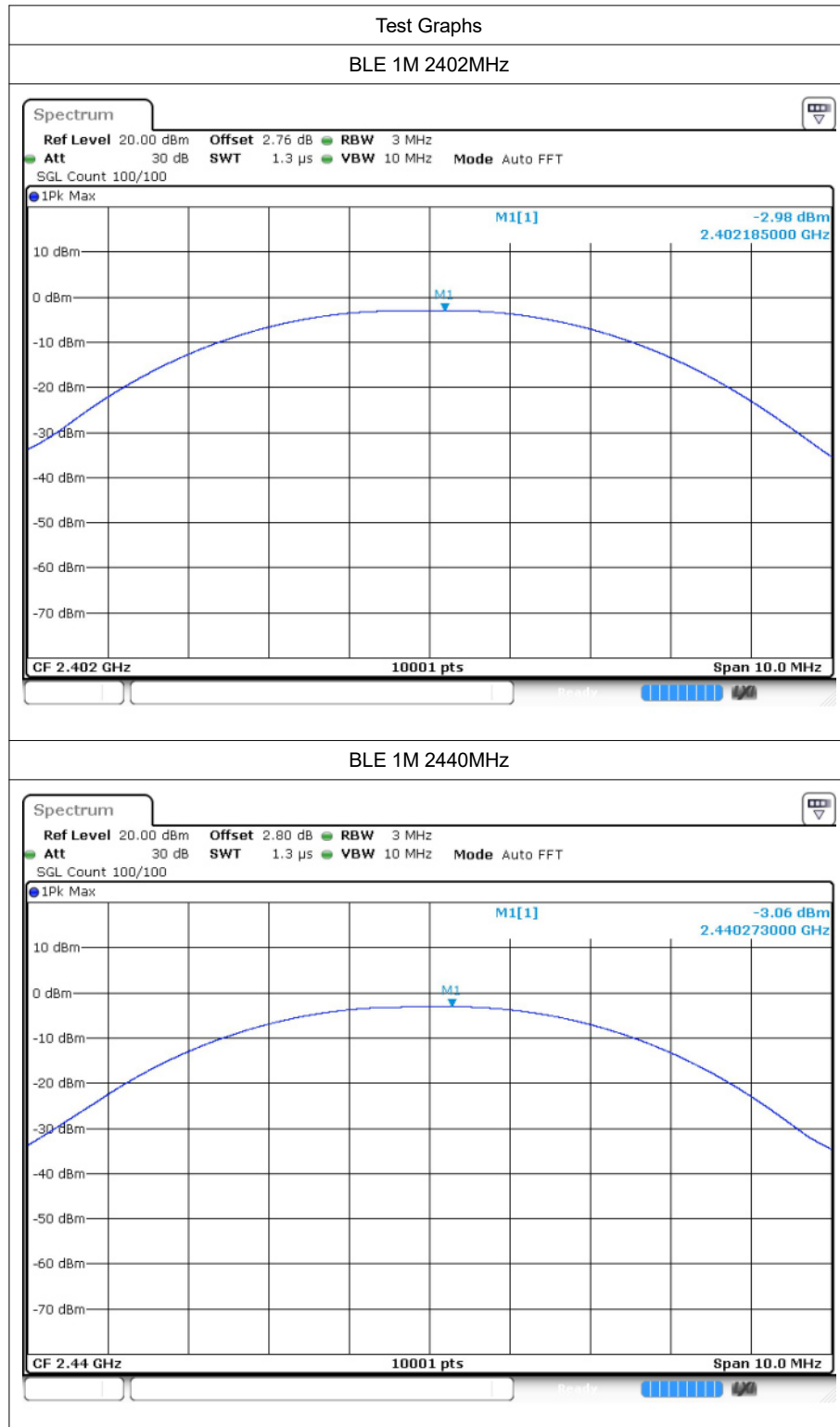


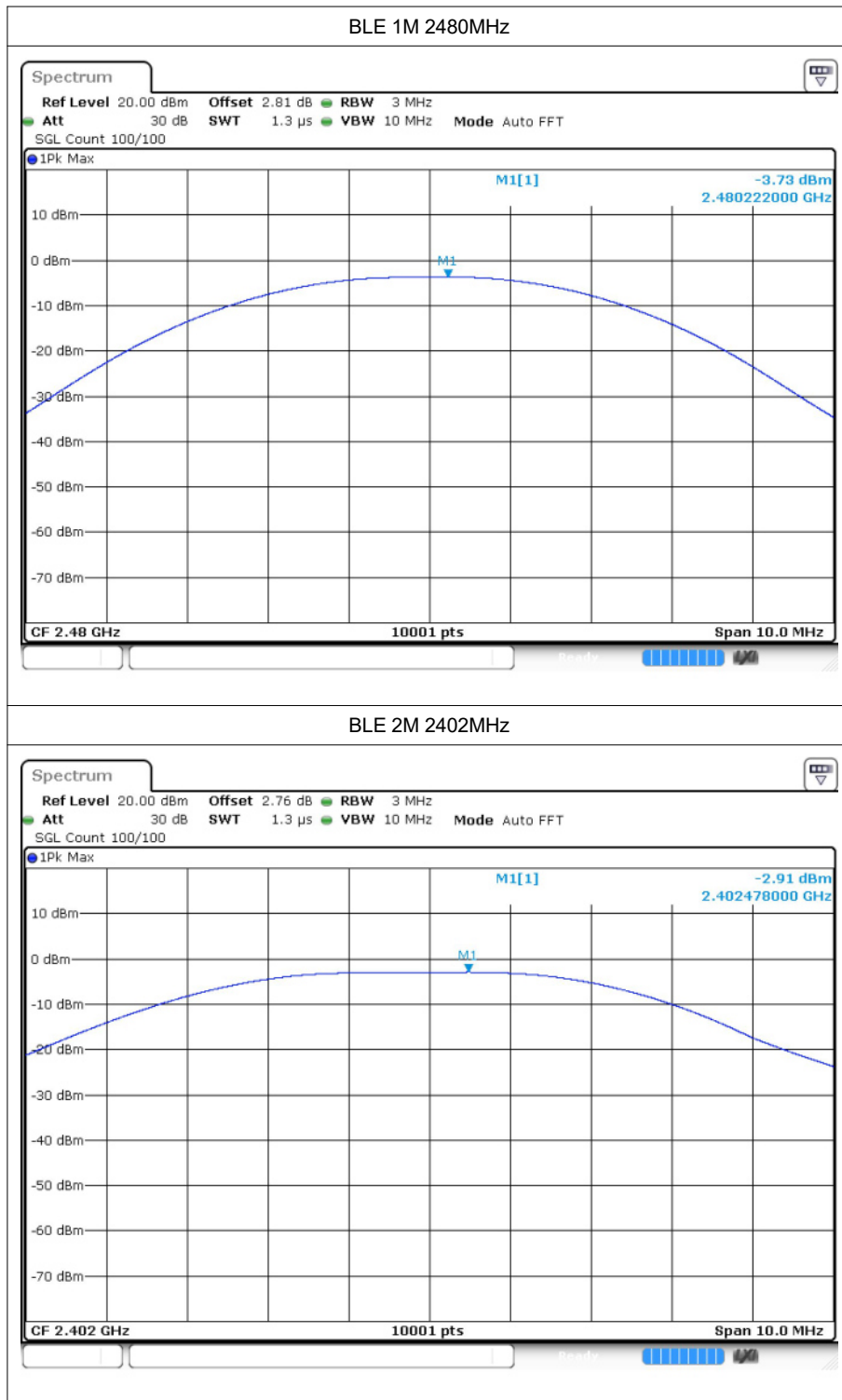
2 Maximum Conducted Output Power

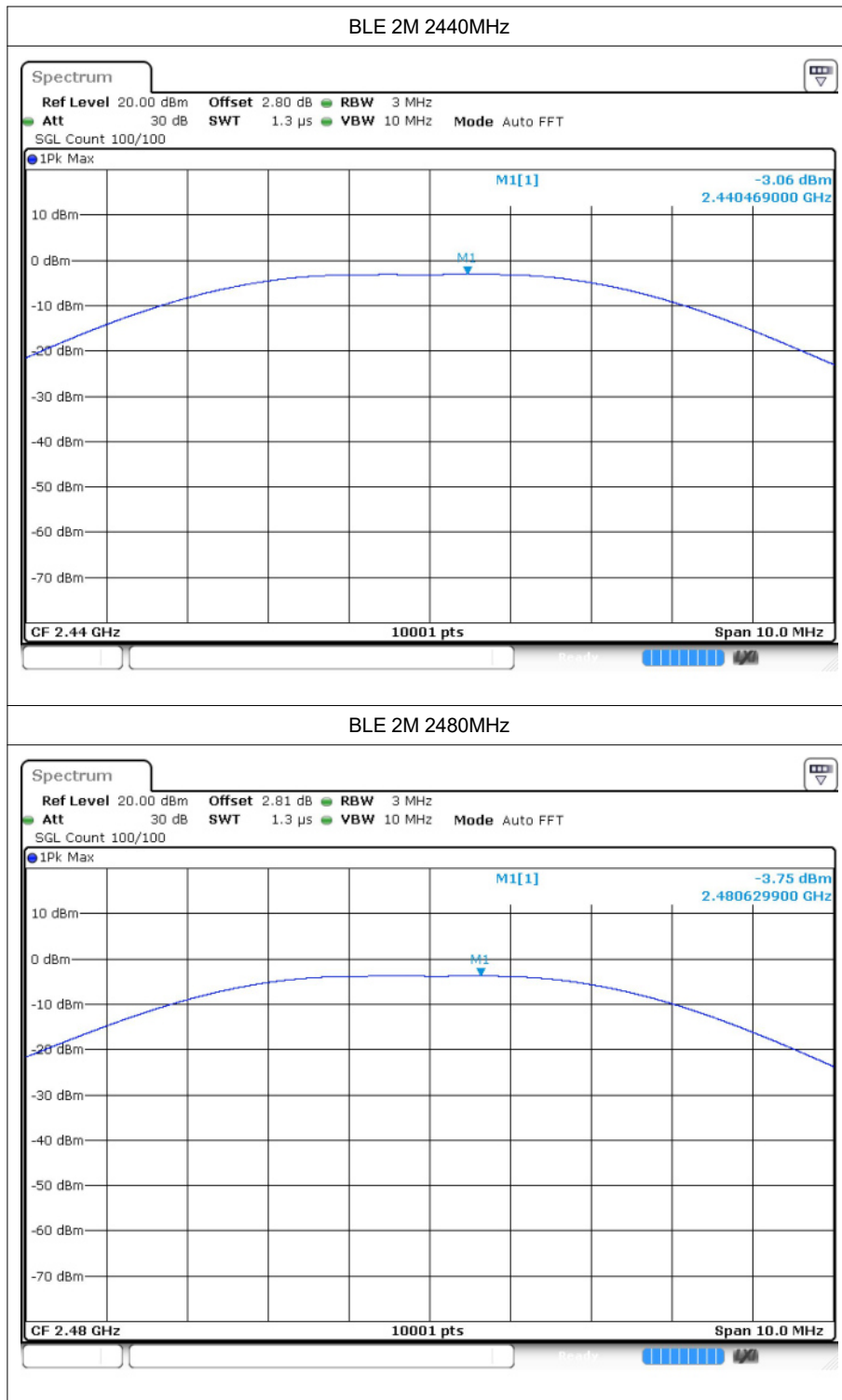
2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	-2.98	30	Pass
BLE 1M	2440	-3.06	30	Pass
BLE 1M	2480	-3.73	30	Pass
BLE 2M	2402	-2.91	30	Pass
BLE 2M	2440	-3.06	30	Pass
BLE 2M	2480	-3.75	30	Pass

2.2 Test Graphs







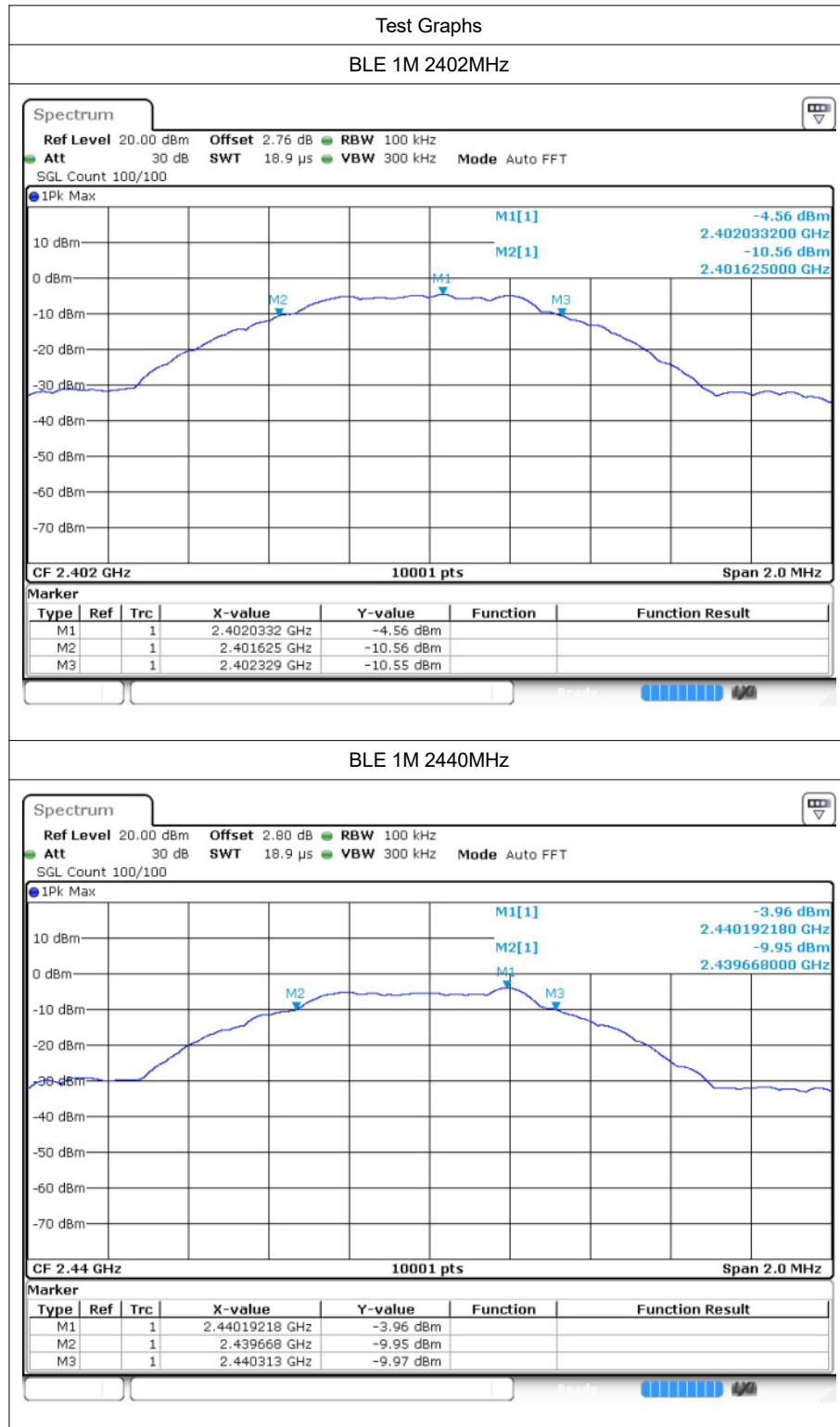


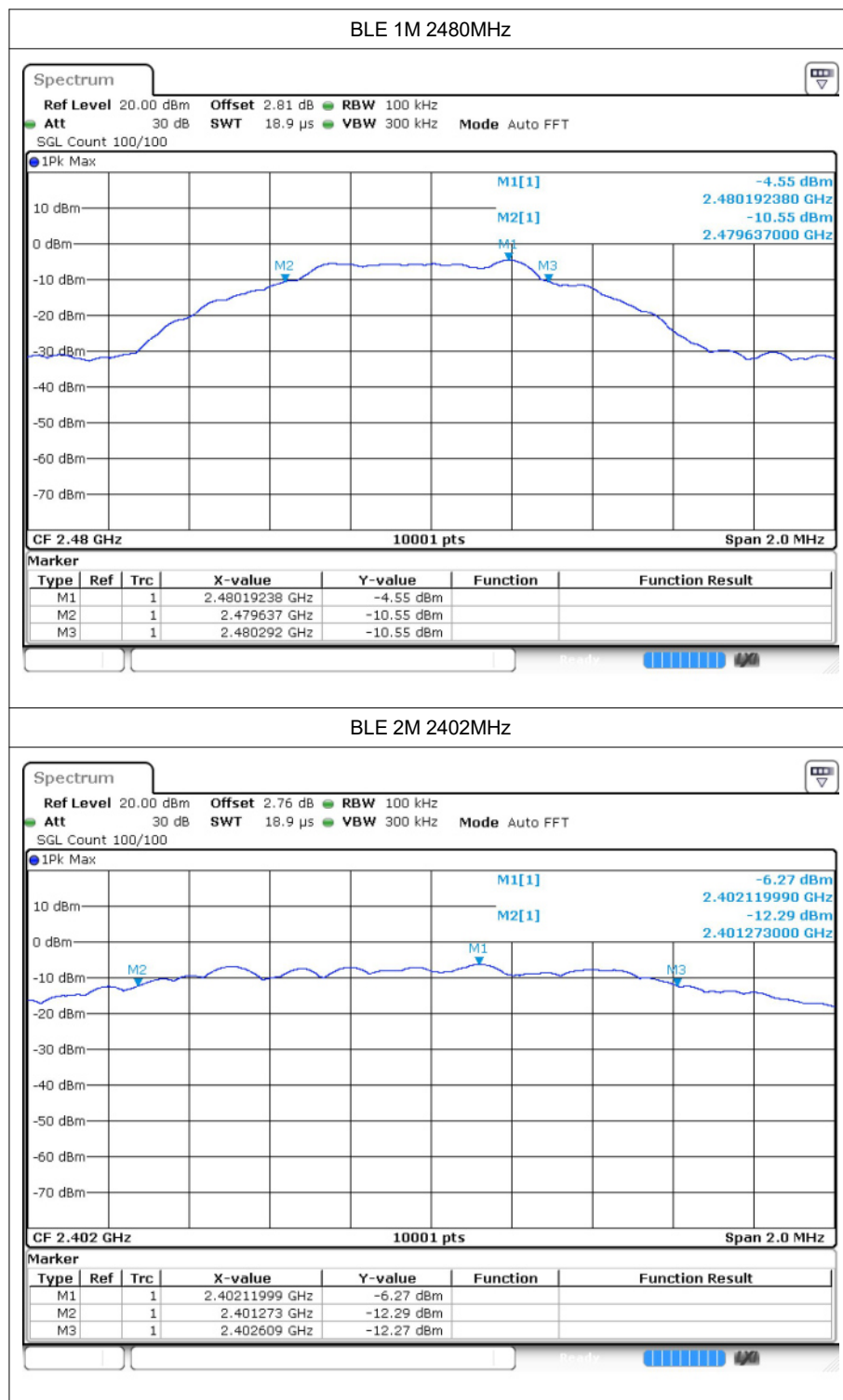
3 -6dB Bandwidth

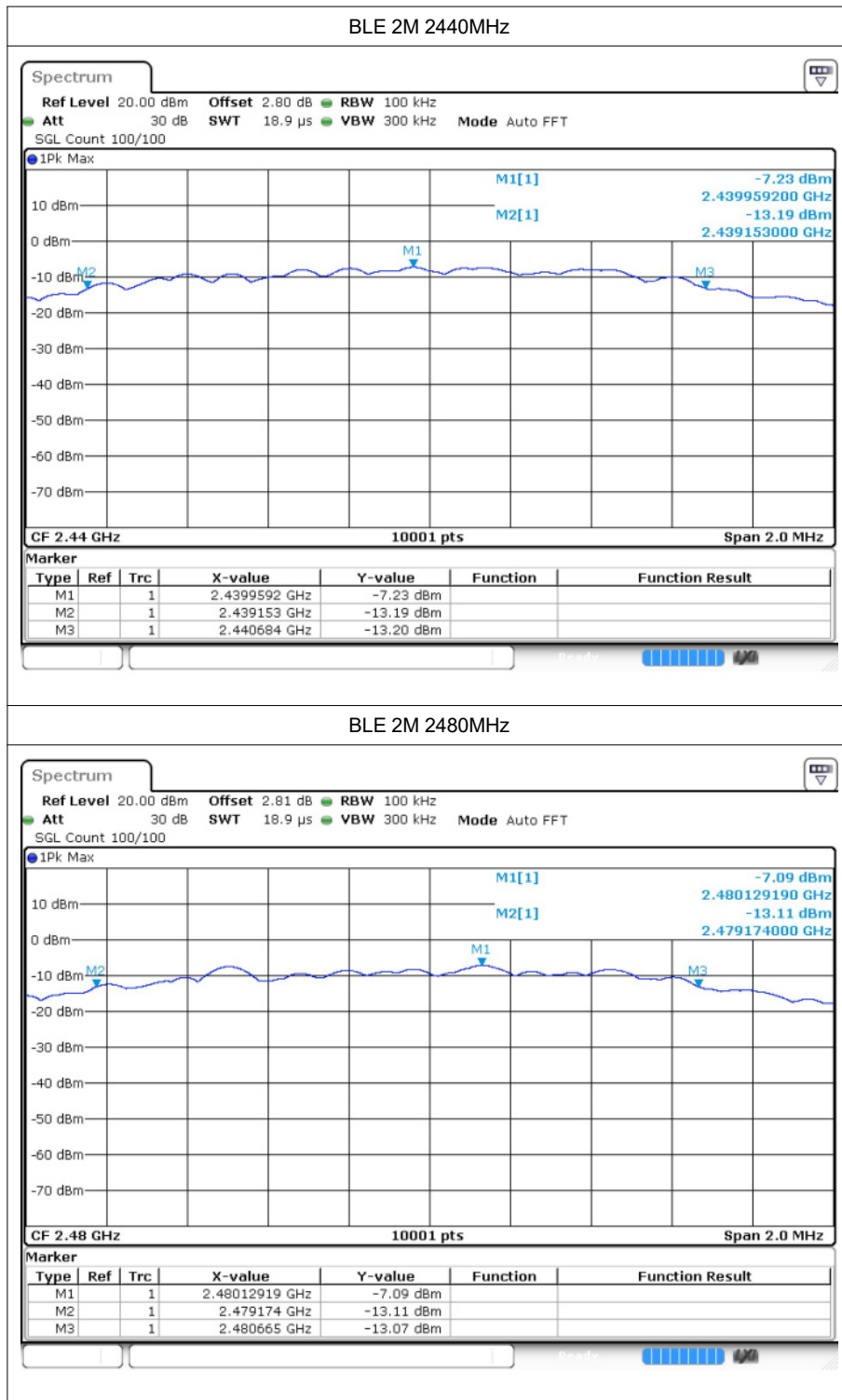
3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.704	0.5	Pass
BLE 1M	2440	0.645	0.5	Pass
BLE 1M	2480	0.655	0.5	Pass
BLE 2M	2402	1.336	0.5	Pass
BLE 2M	2440	1.532	0.5	Pass
BLE 2M	2480	1.491	0.5	Pass

3.2 Test Graphs





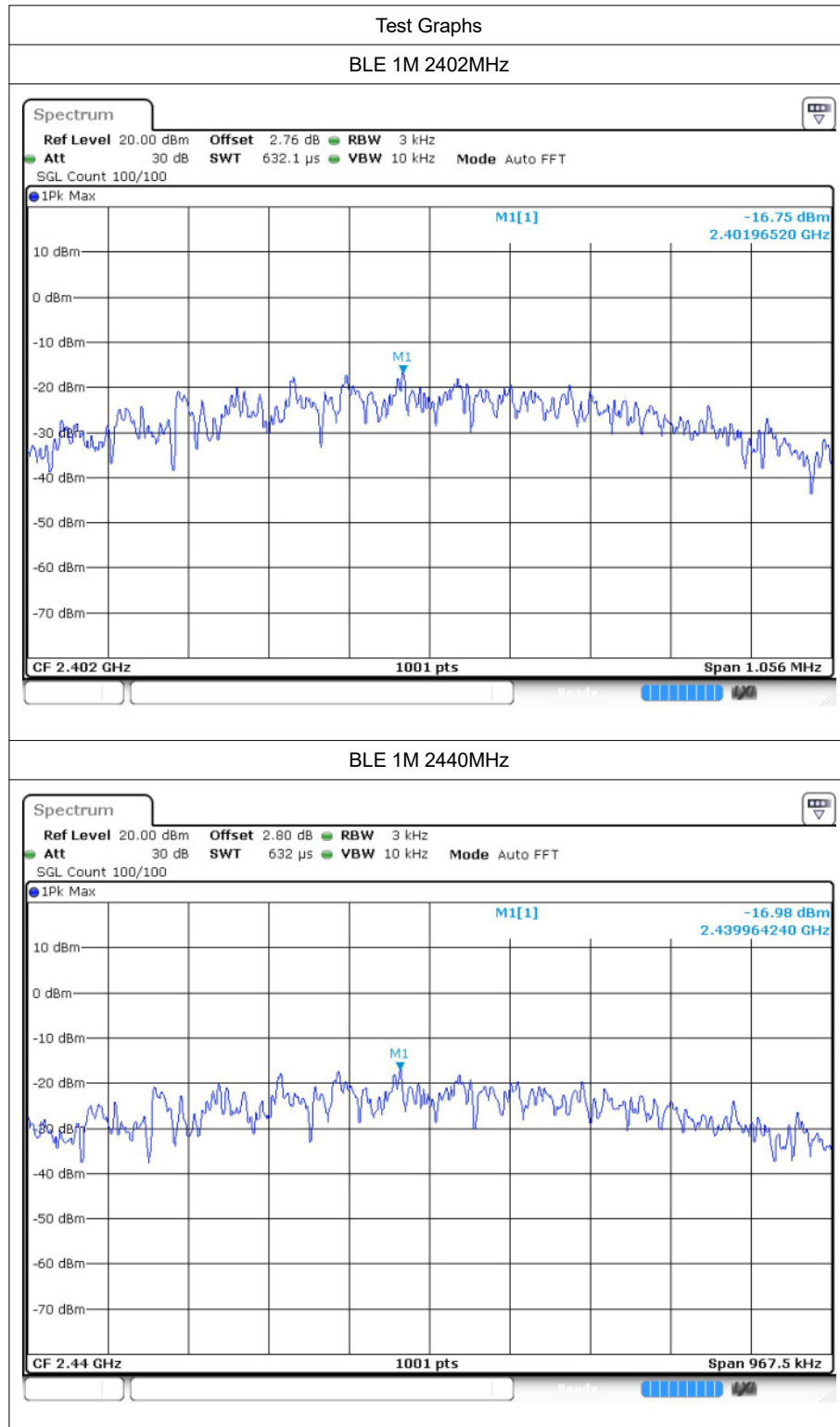


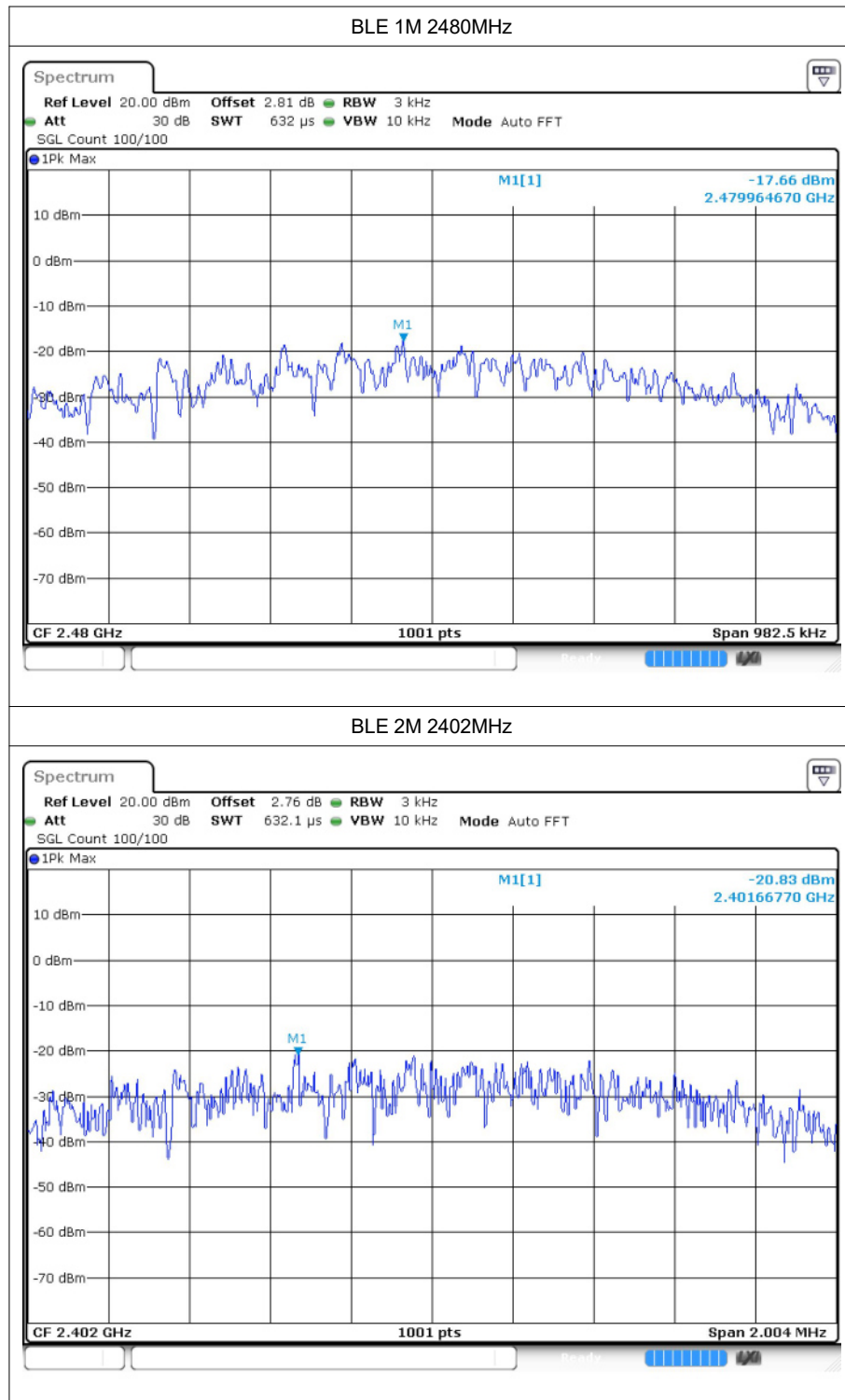
4 Maximum Power Spectral Density Level

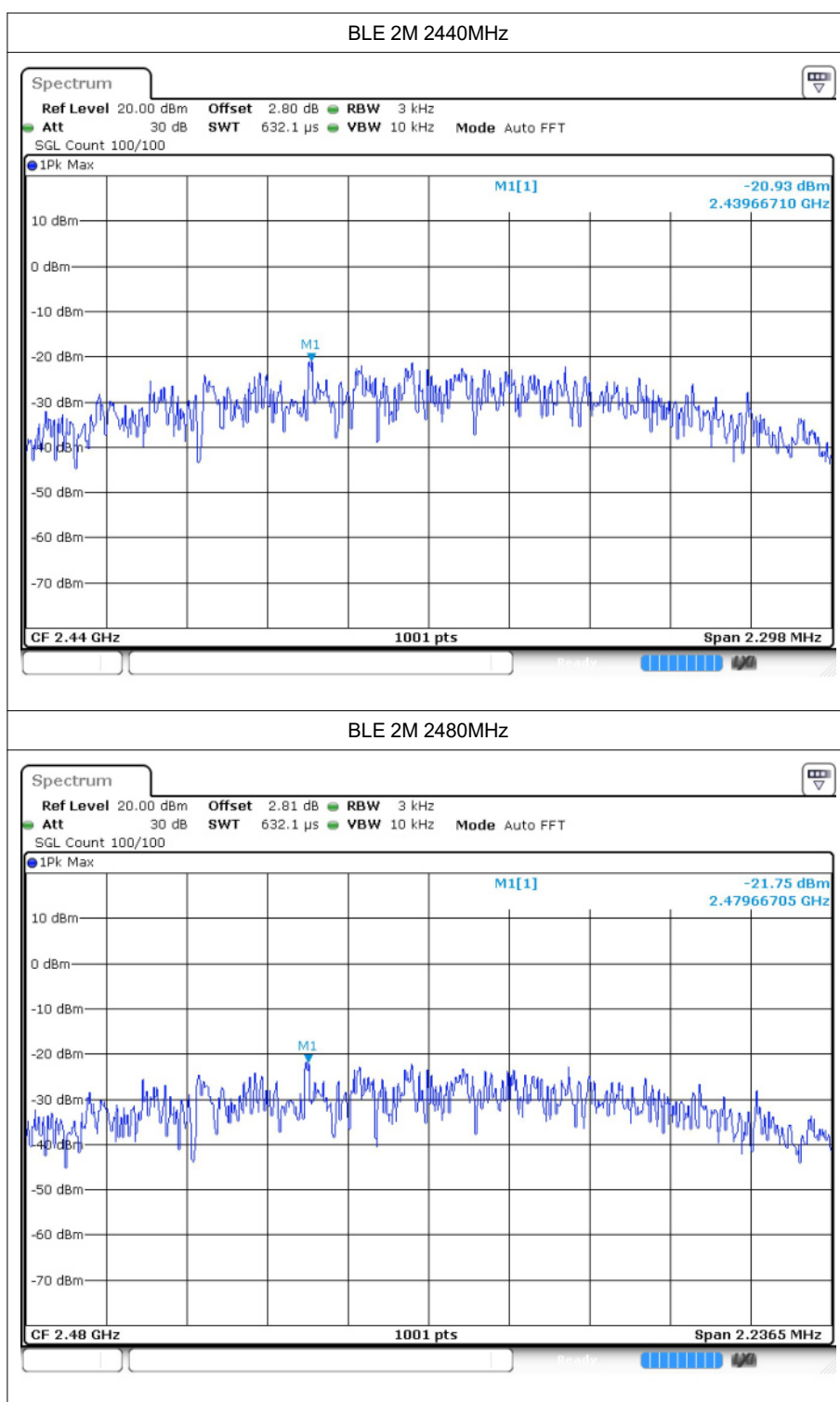
4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-16.75	≤ 8	Pass
BLE 1M	2440	-16.98	≤ 8	Pass
BLE 1M	2480	-17.66	≤ 8	Pass
BLE 2M	2402	-20.83	≤ 8	Pass
BLE 2M	2440	-20.93	≤ 8	Pass
BLE 2M	2480	-21.75	≤ 8	Pass

4.2 Test Graphs







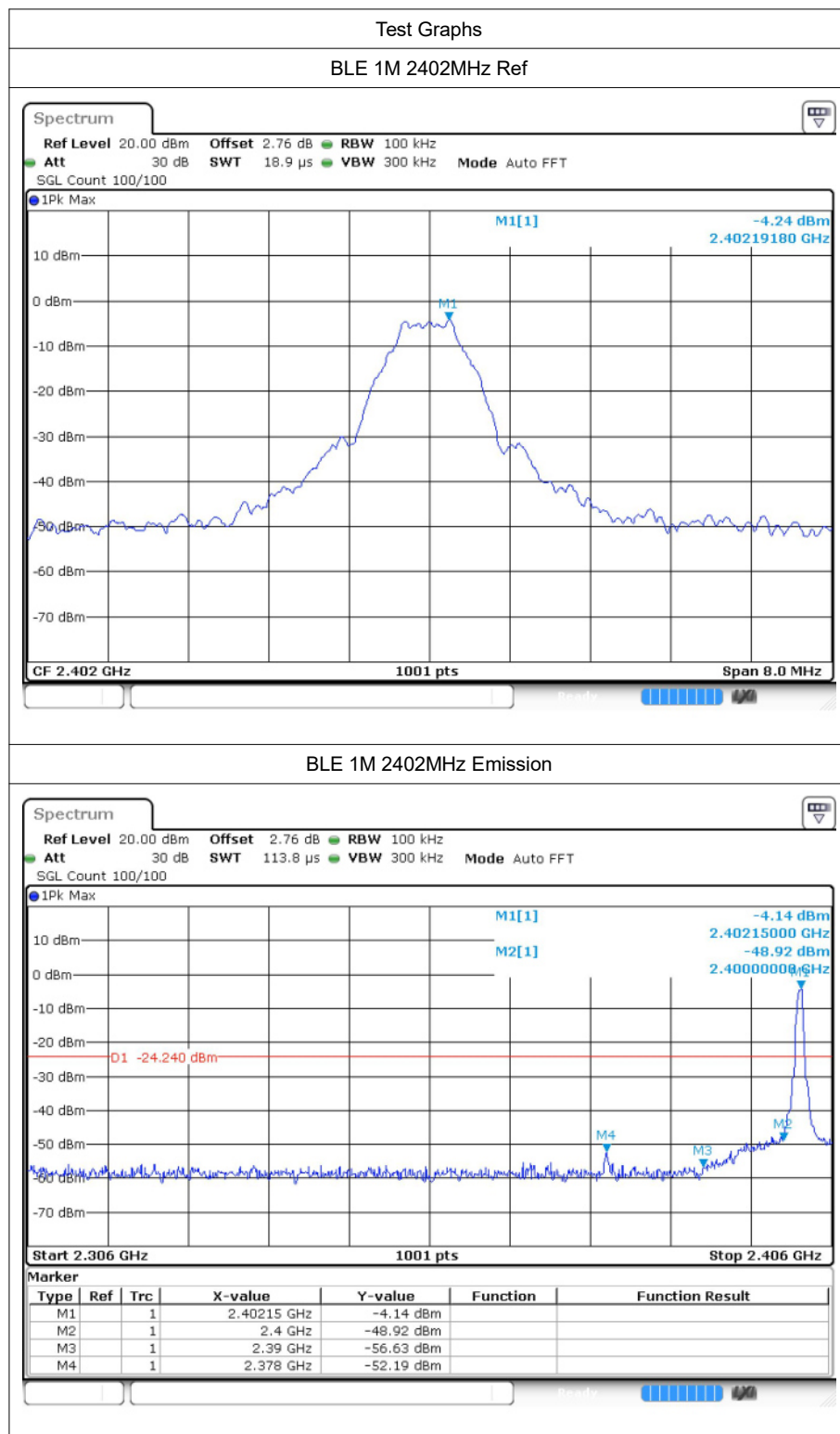


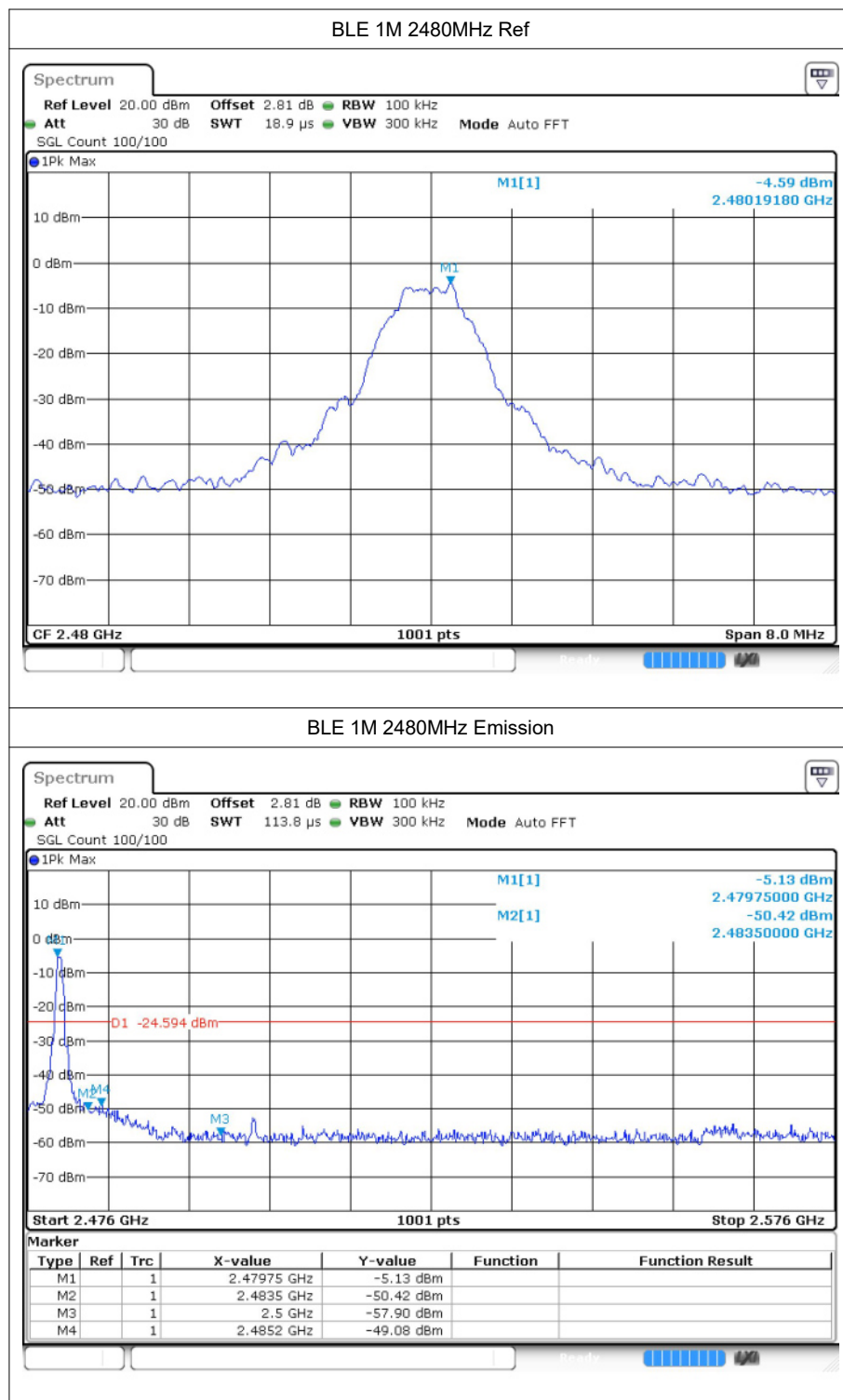
5 Band Edge

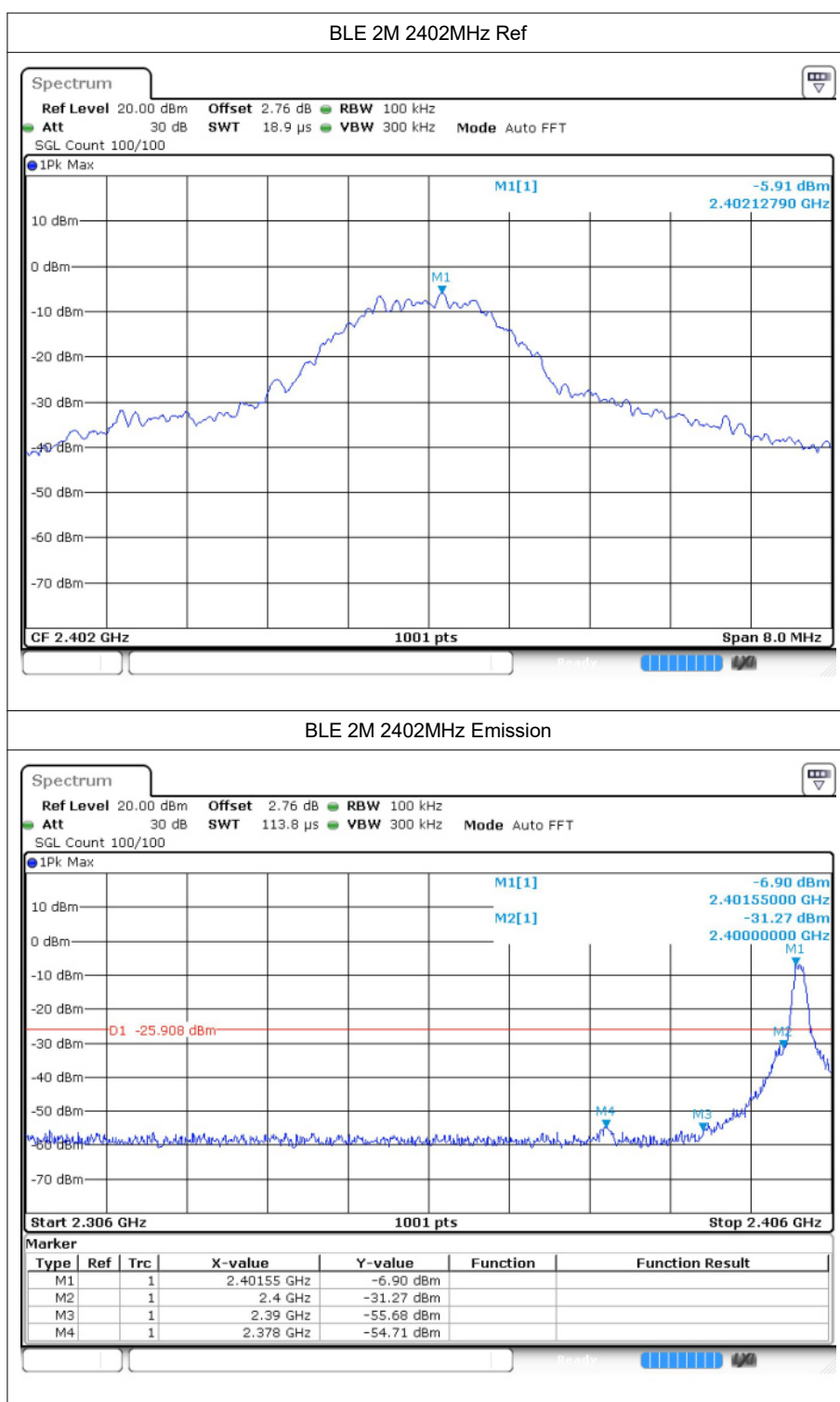
5.1 Test Result

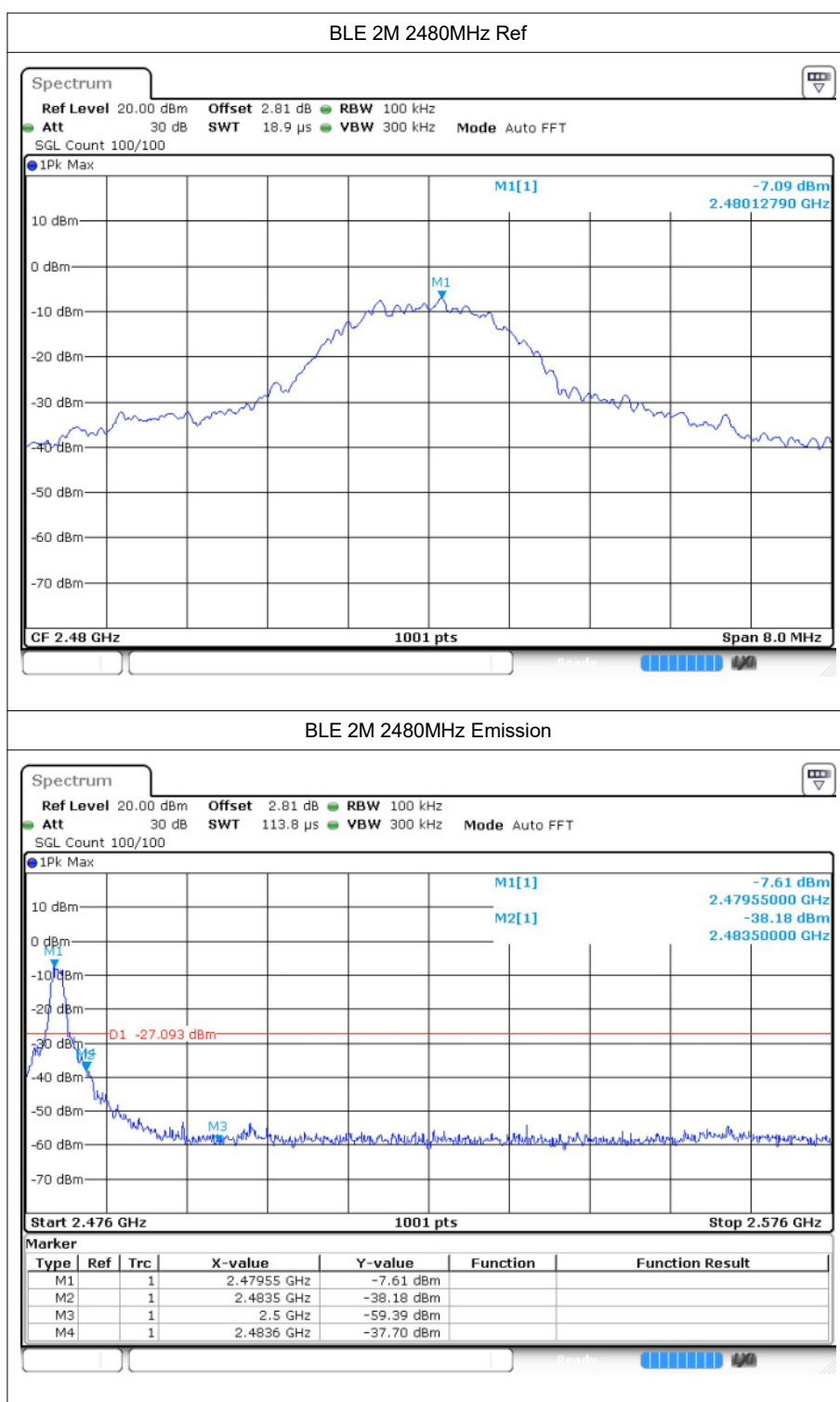
Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-47.95	-20	Pass
BLE 1M	2480	-44.49	-20	Pass
BLE 2M	2402	-48.8	-20	Pass
BLE 2M	2480	-30.61	-20	Pass

5.2 Test Graphs









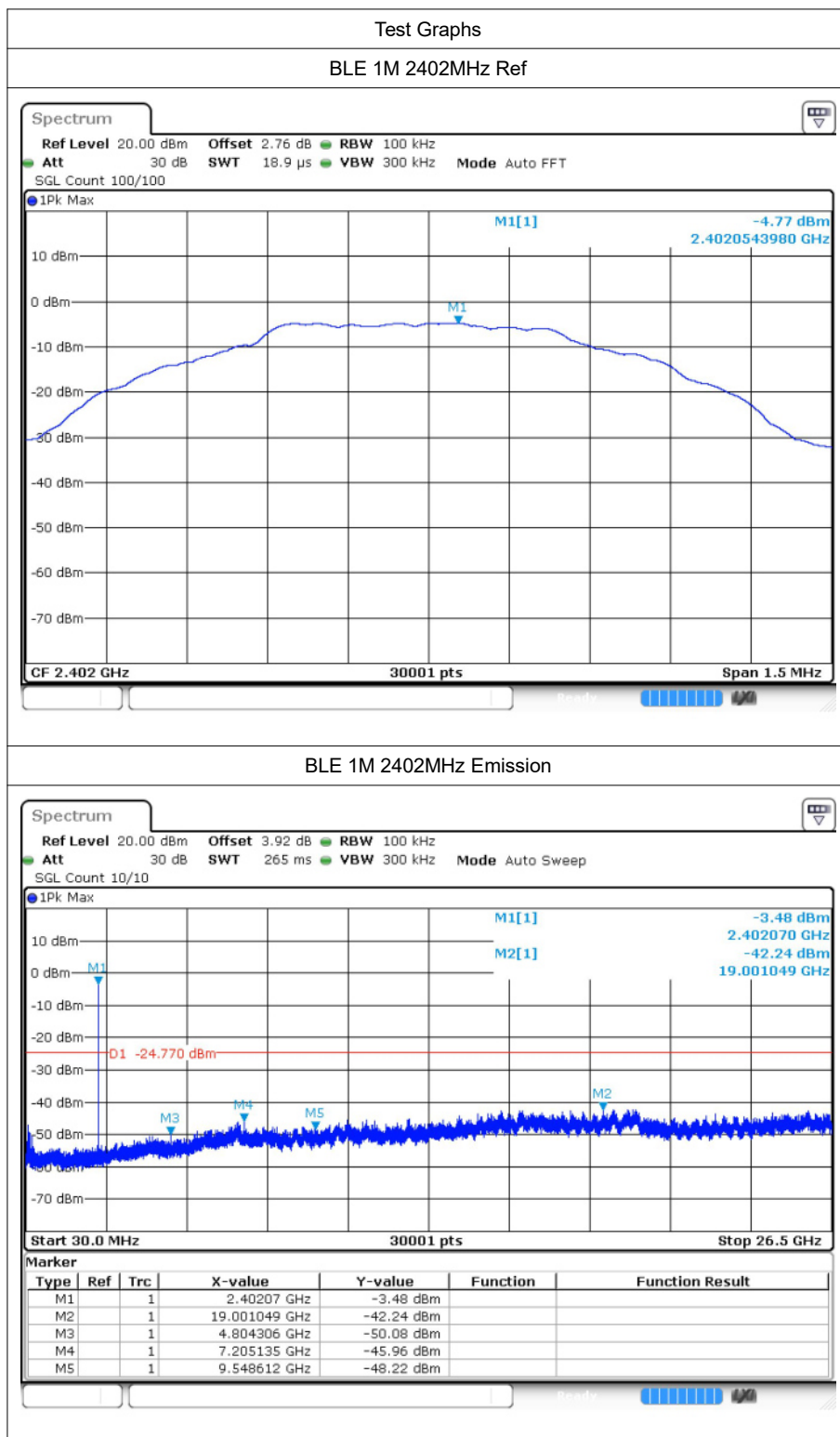


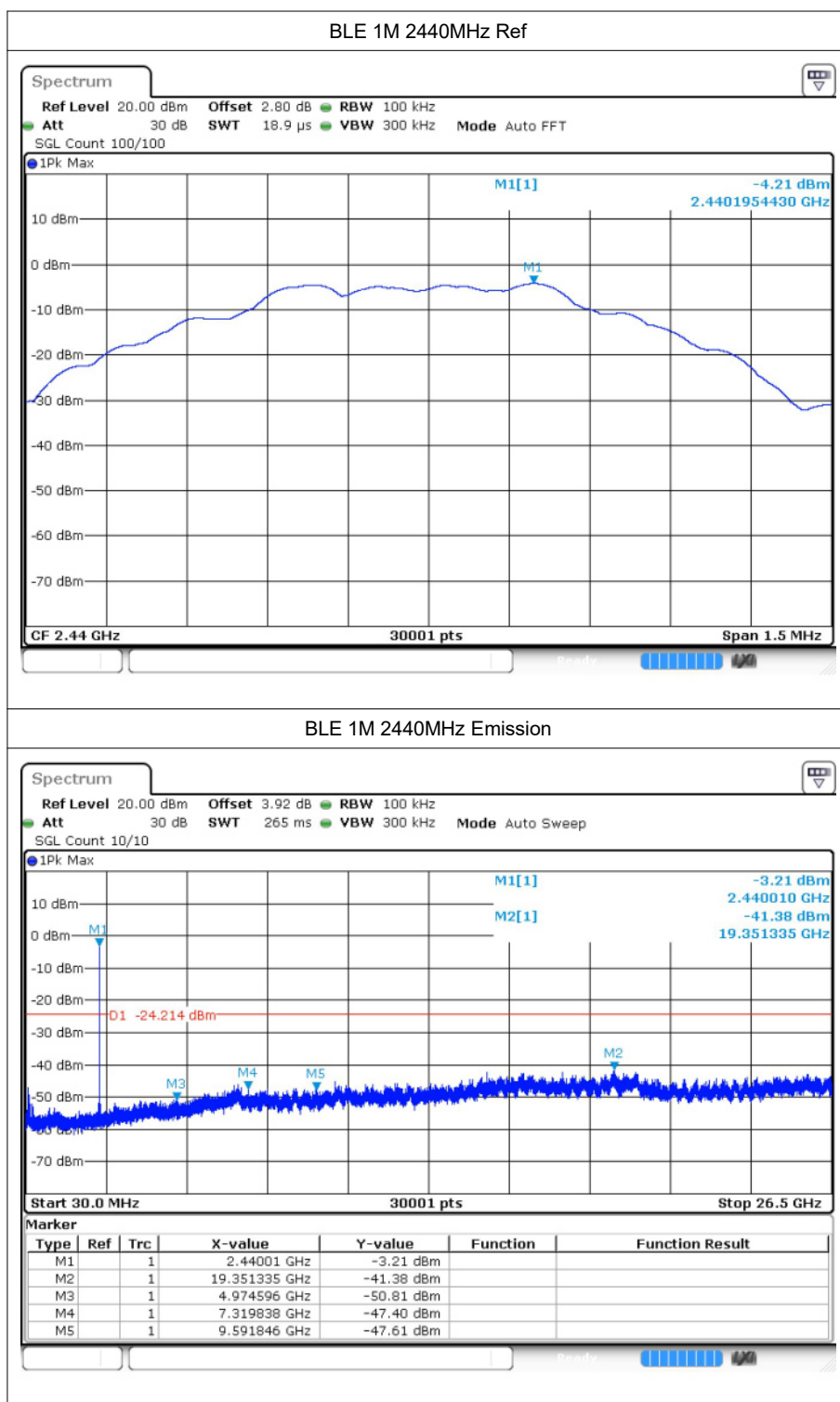
6 Conducted RF Spurious Emission

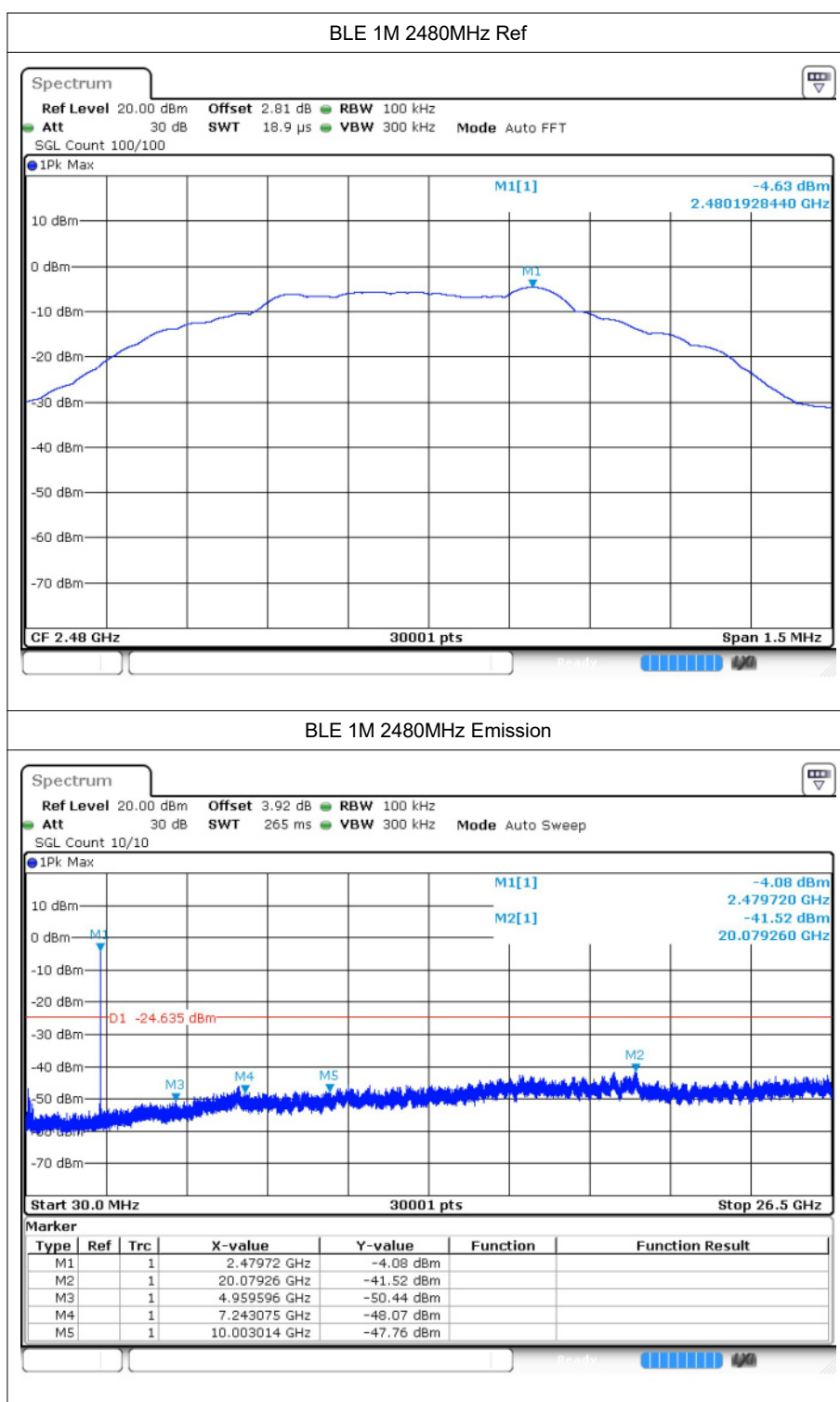
6.1 Test Result

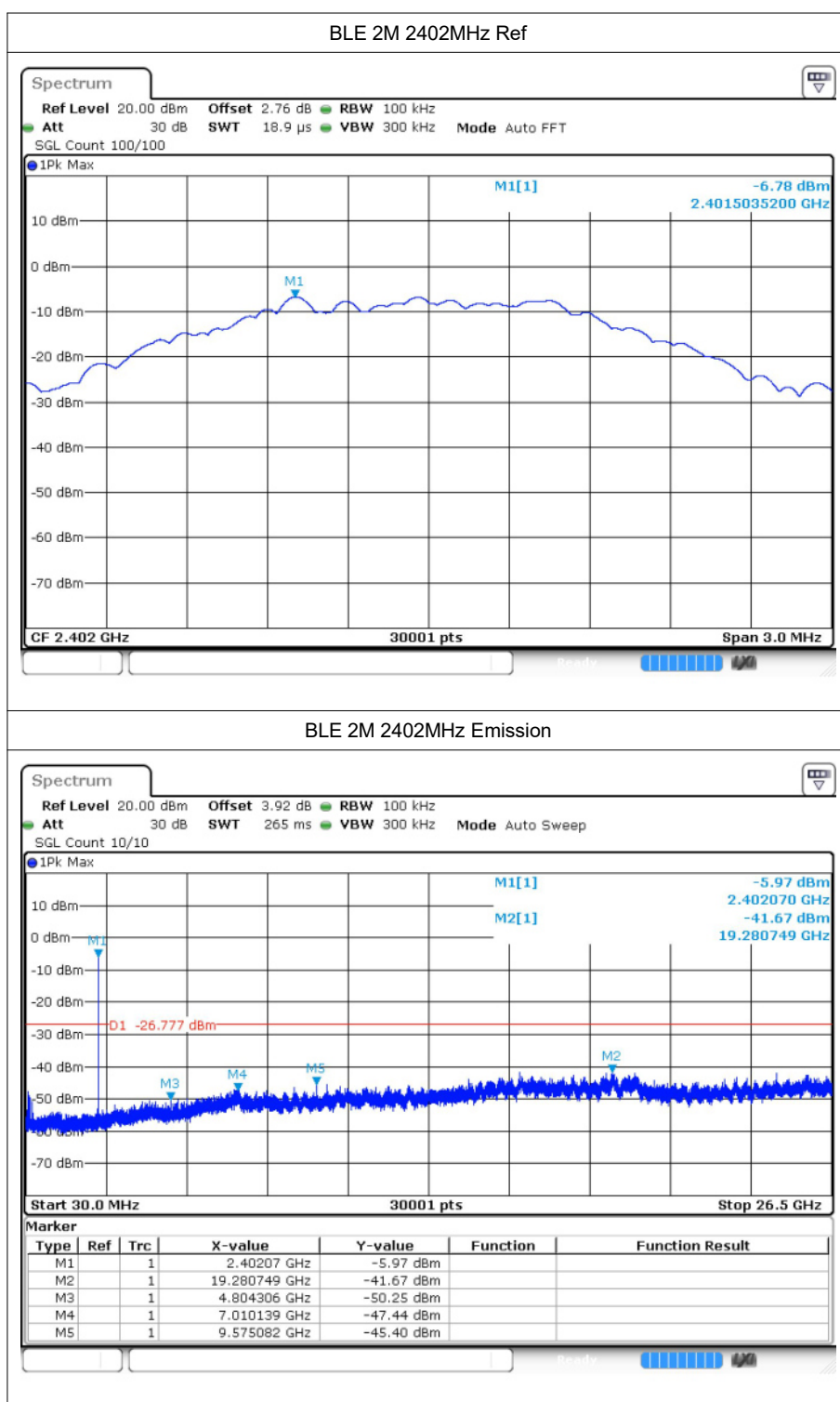
Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-37.46	-20	Pass
BLE 1M	2440	-37.16	-20	Pass
BLE 1M	2480	-36.89	-20	Pass
BLE 2M	2402	-34.89	-20	Pass
BLE 2M	2440	-36.03	-20	Pass
BLE 2M	2480	-34.25	-20	Pass

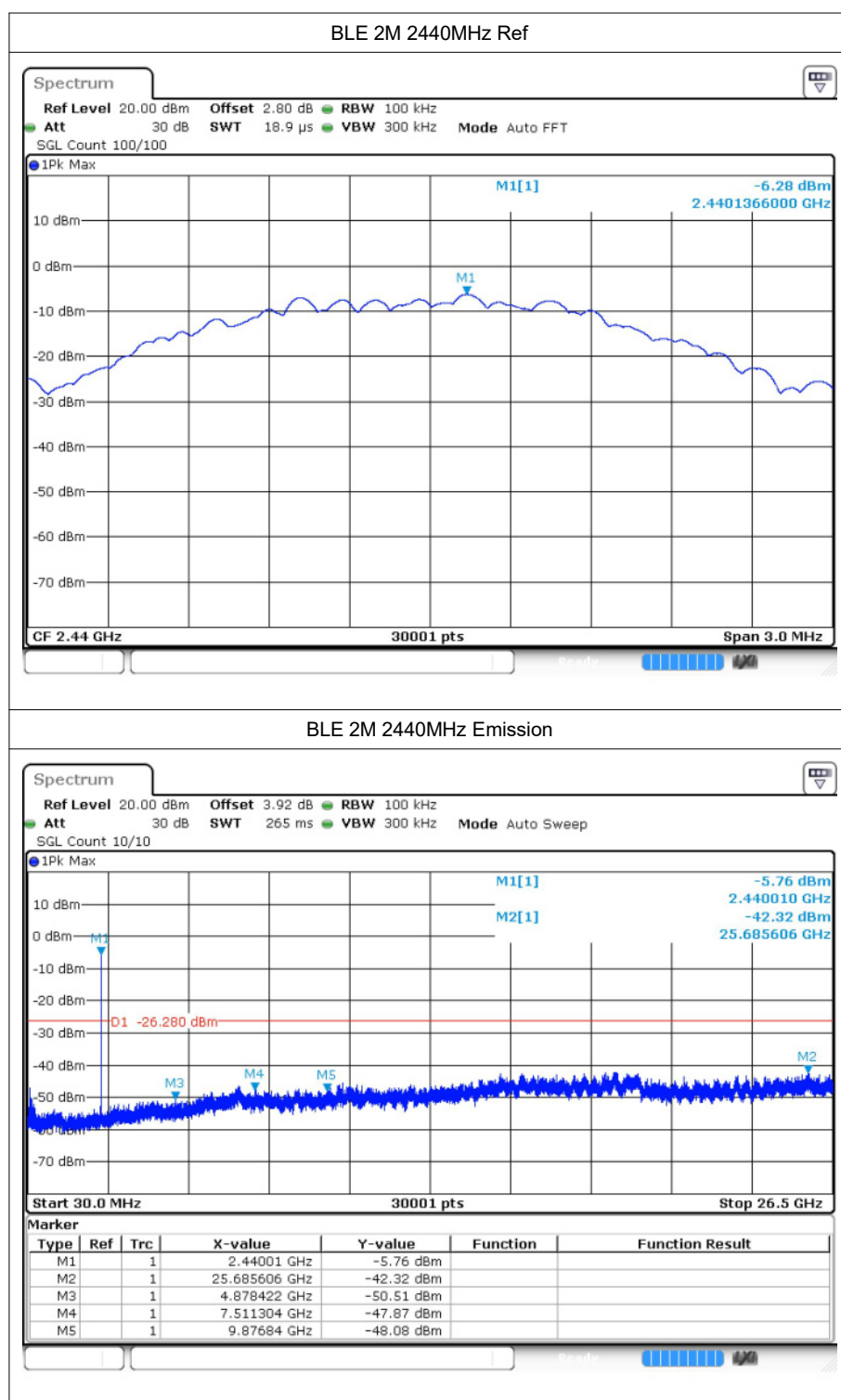
6.2 Test Graphs

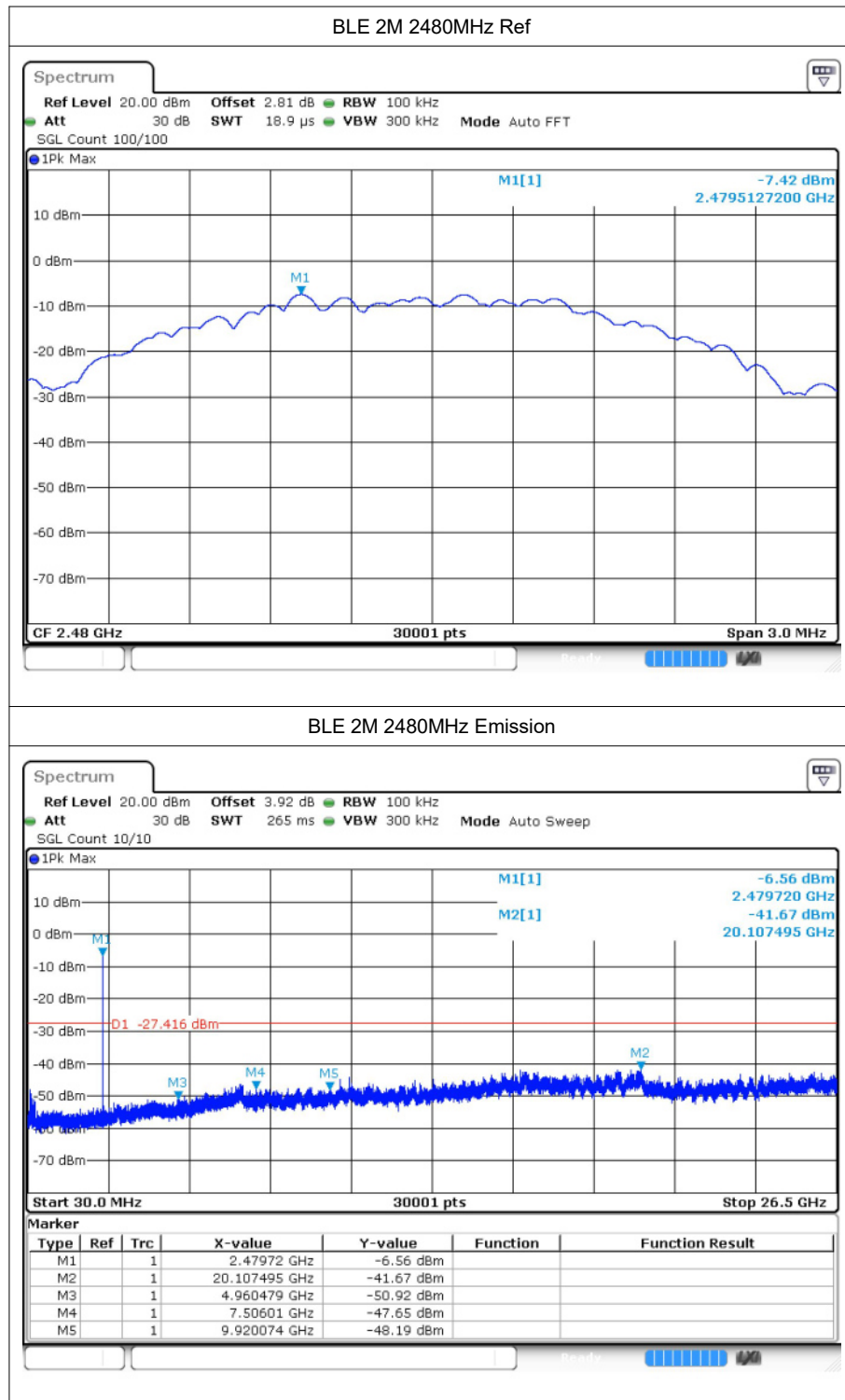












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