



Appendix B

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

Product Name: Light-filling Bluetooth shooting aid

Trade Mark: Ulanzi

Test Model:CG-02

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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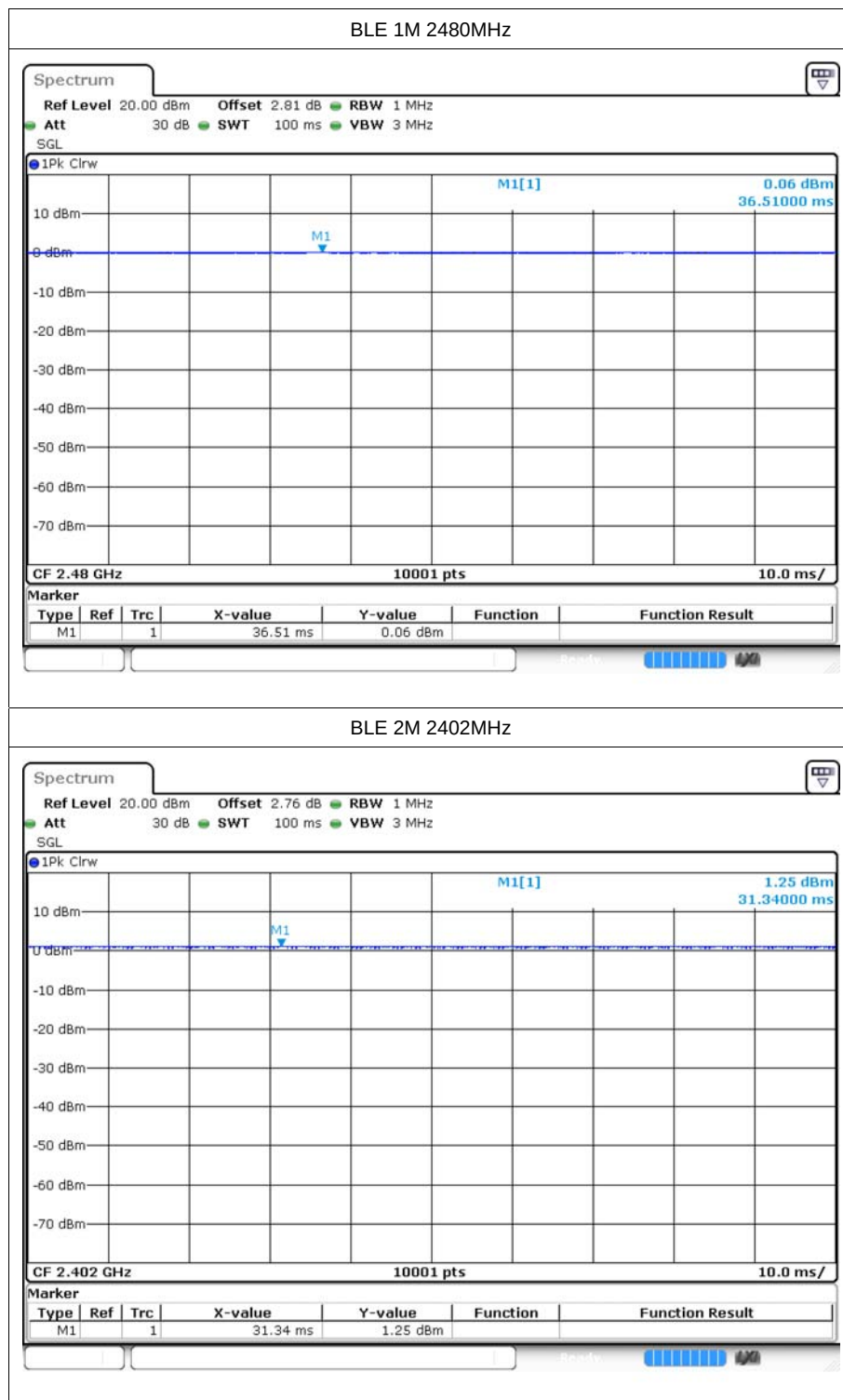
1 Duty Cycle

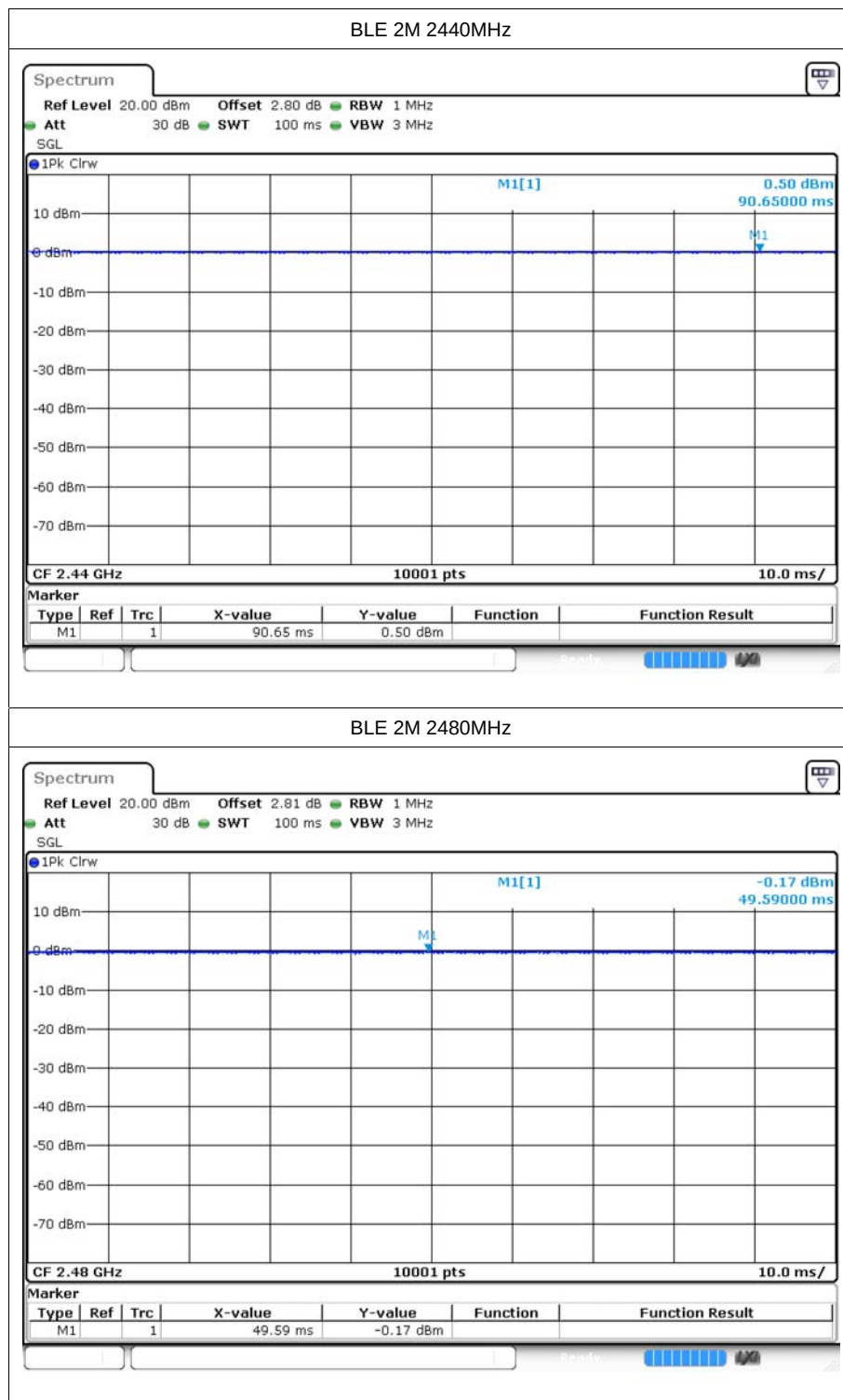
1.1 Test Result

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

1.2 Test Graphs







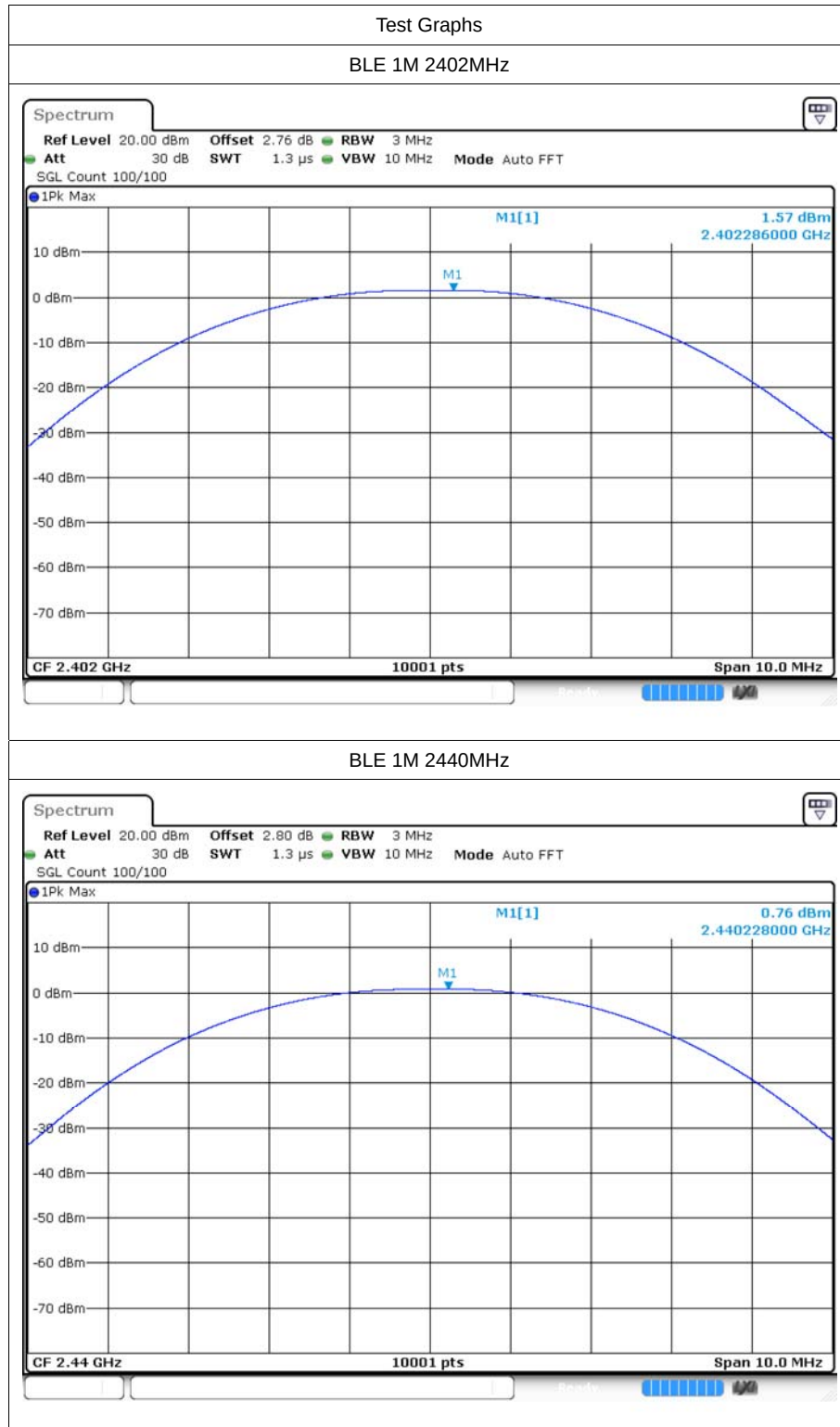


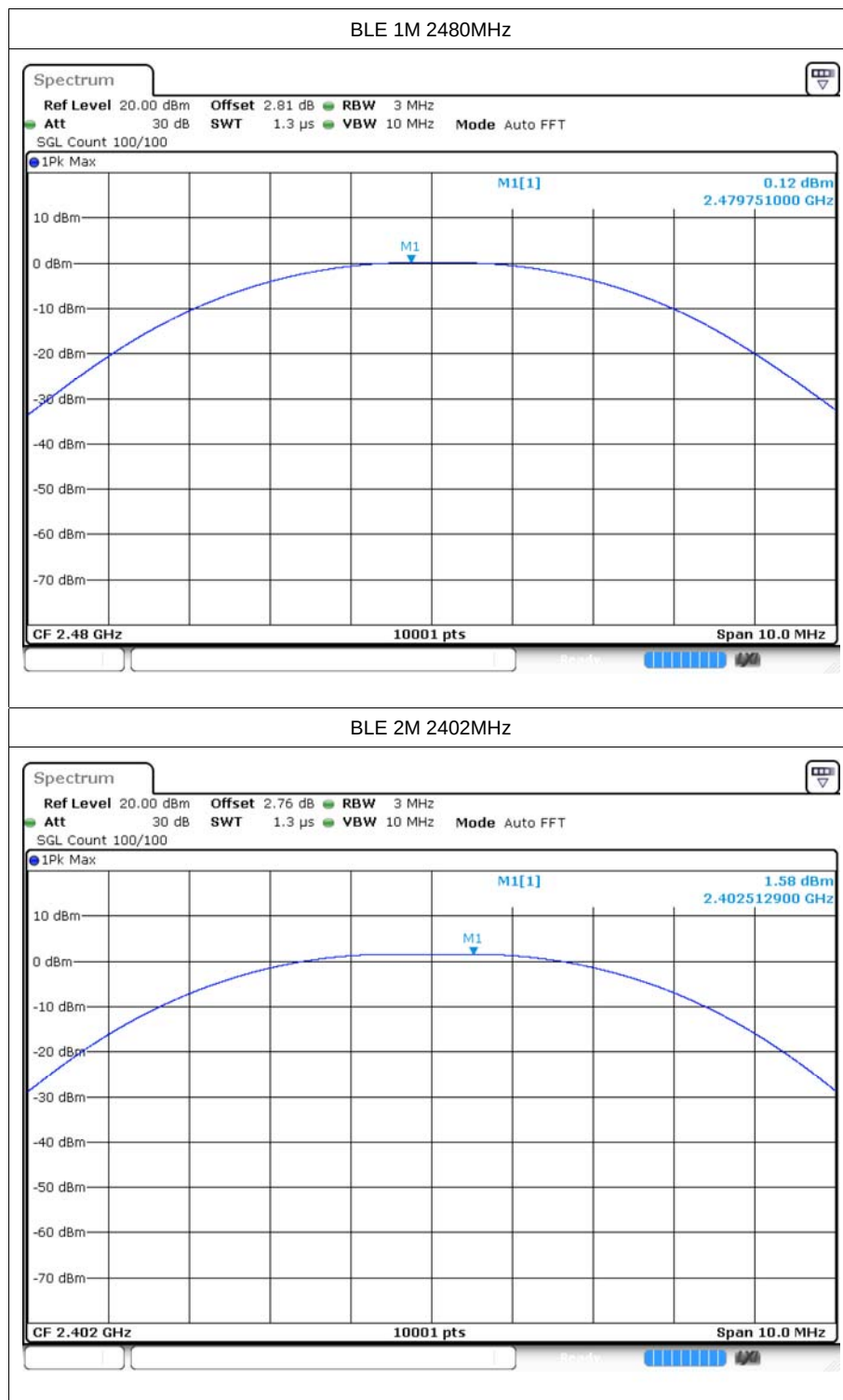
2 Maximum Conducted Output Power

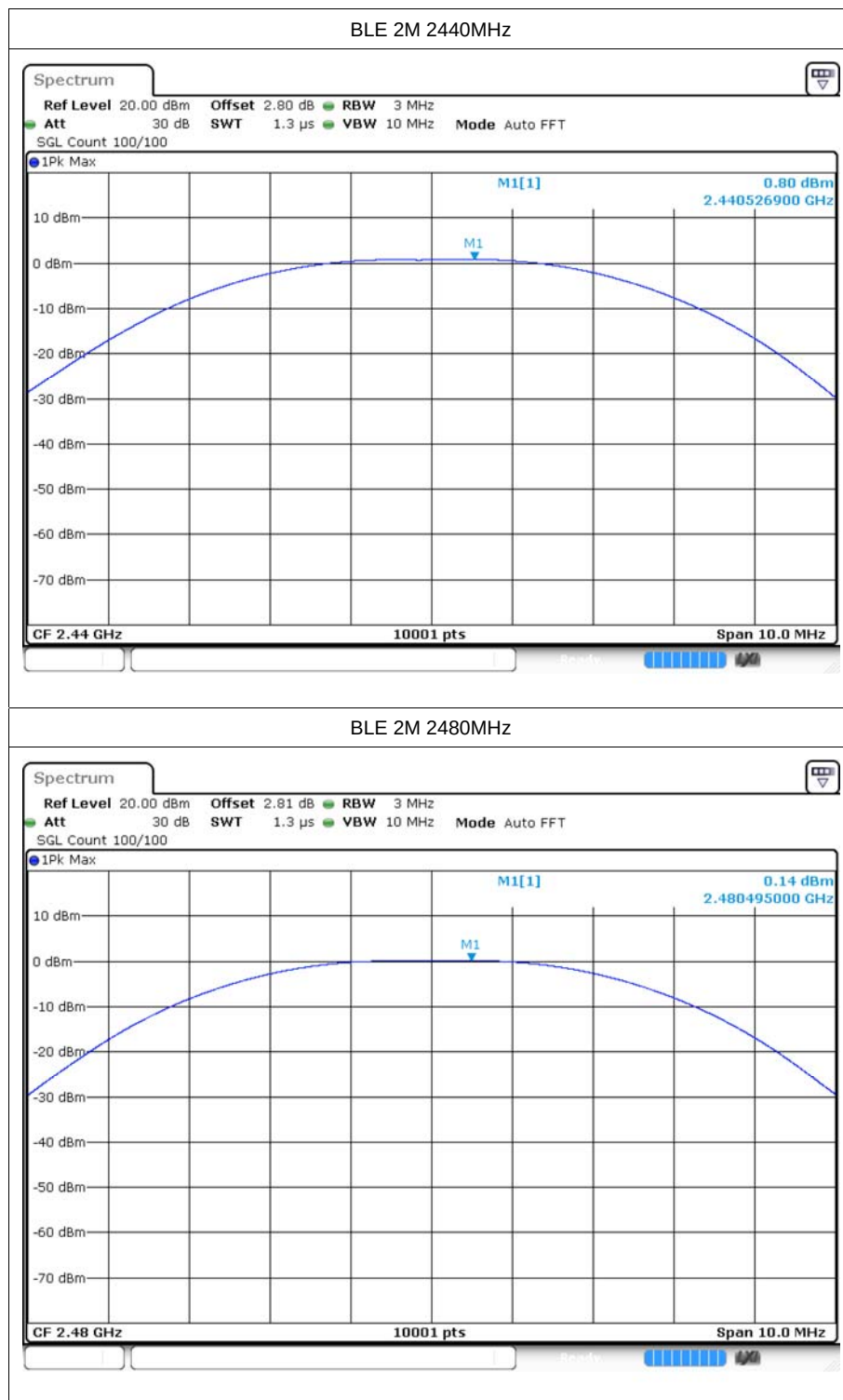
2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	1.57	30	Pass
BLE 1M	2440	0.76	30	Pass
BLE 1M	2480	0.12	30	Pass
BLE 2M	2402	1.58	30	Pass
BLE 2M	2440	0.8	30	Pass
BLE 2M	2480	0.14	30	Pass

2.2 Test Graphs







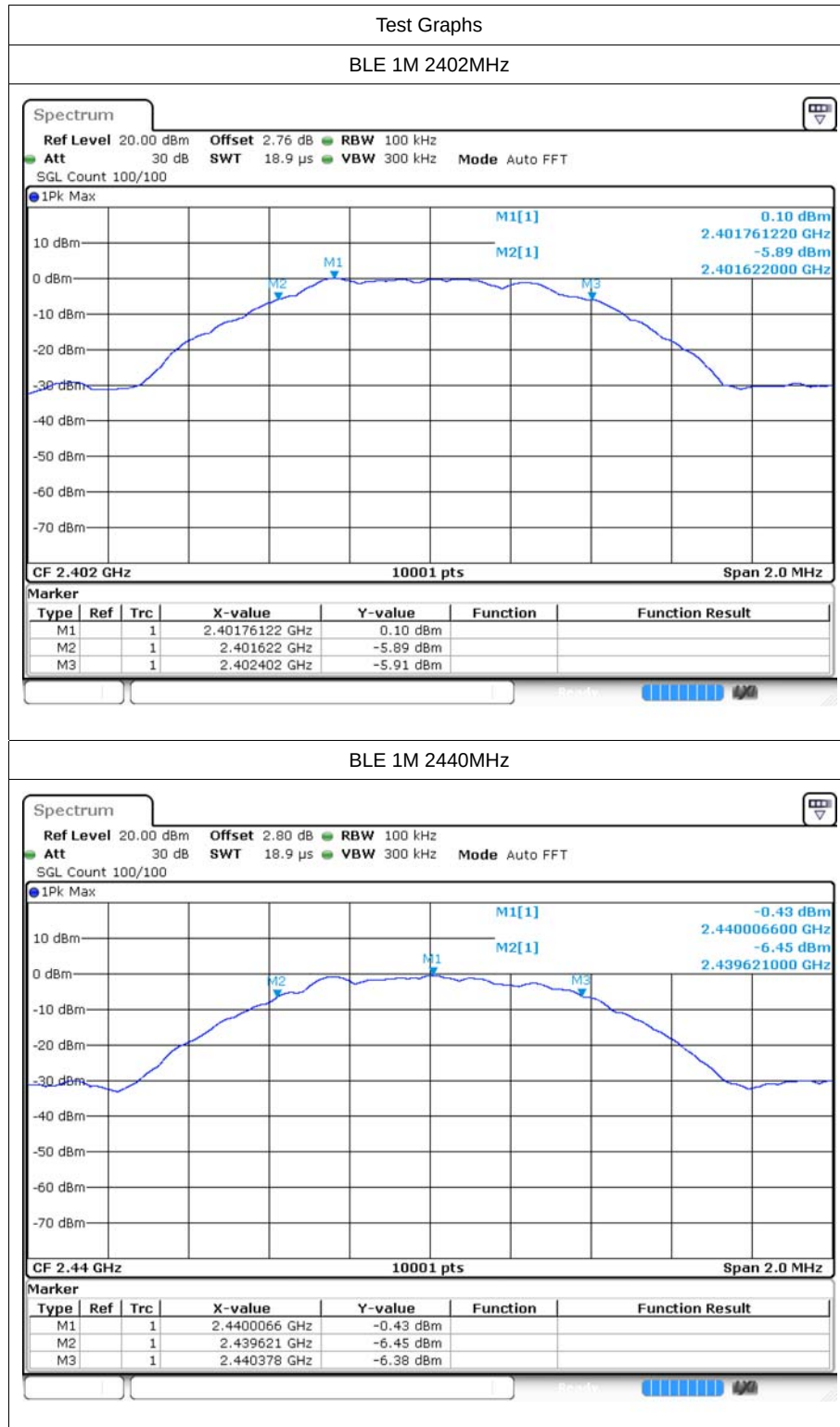


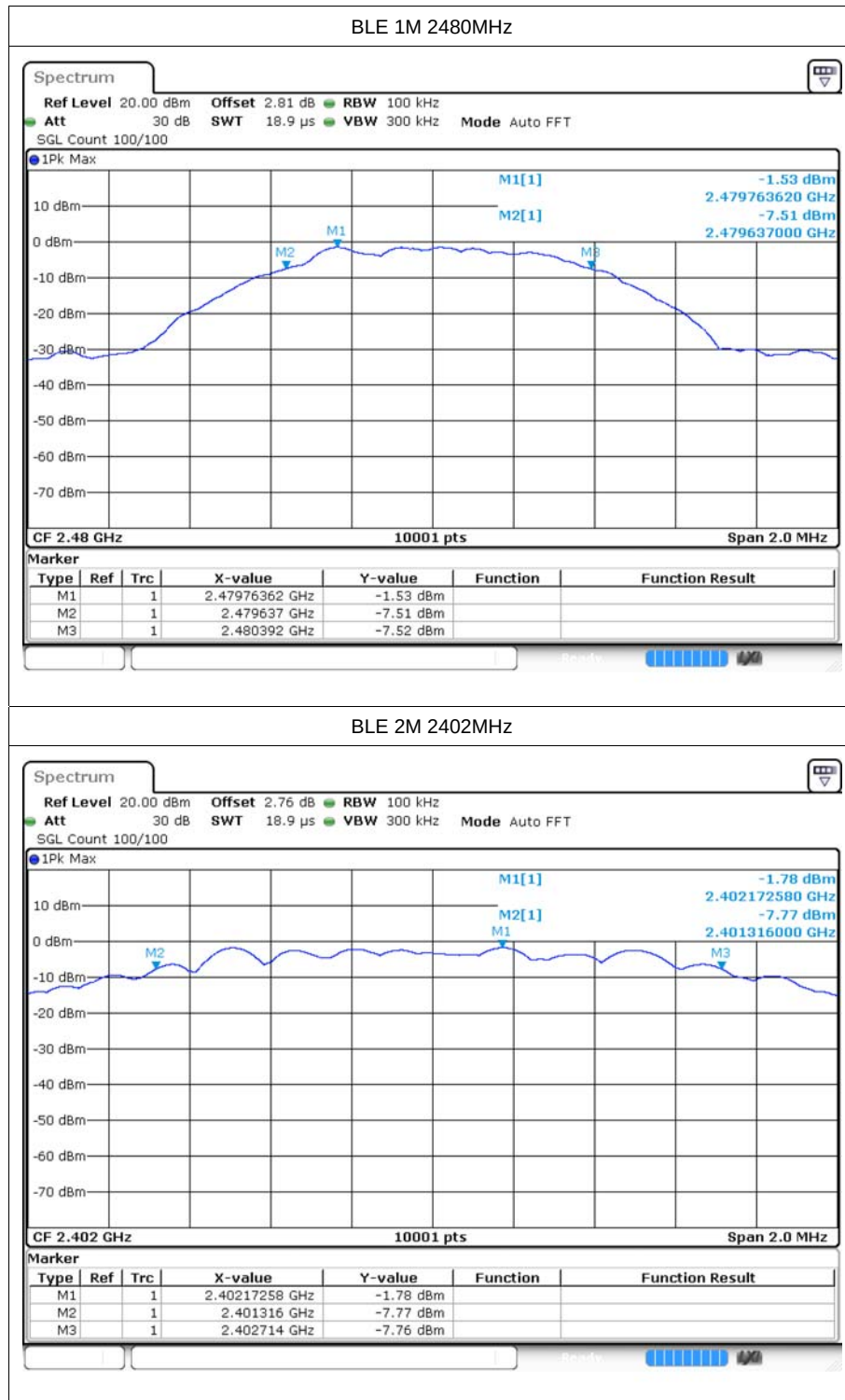
3 -6dB Bandwidth

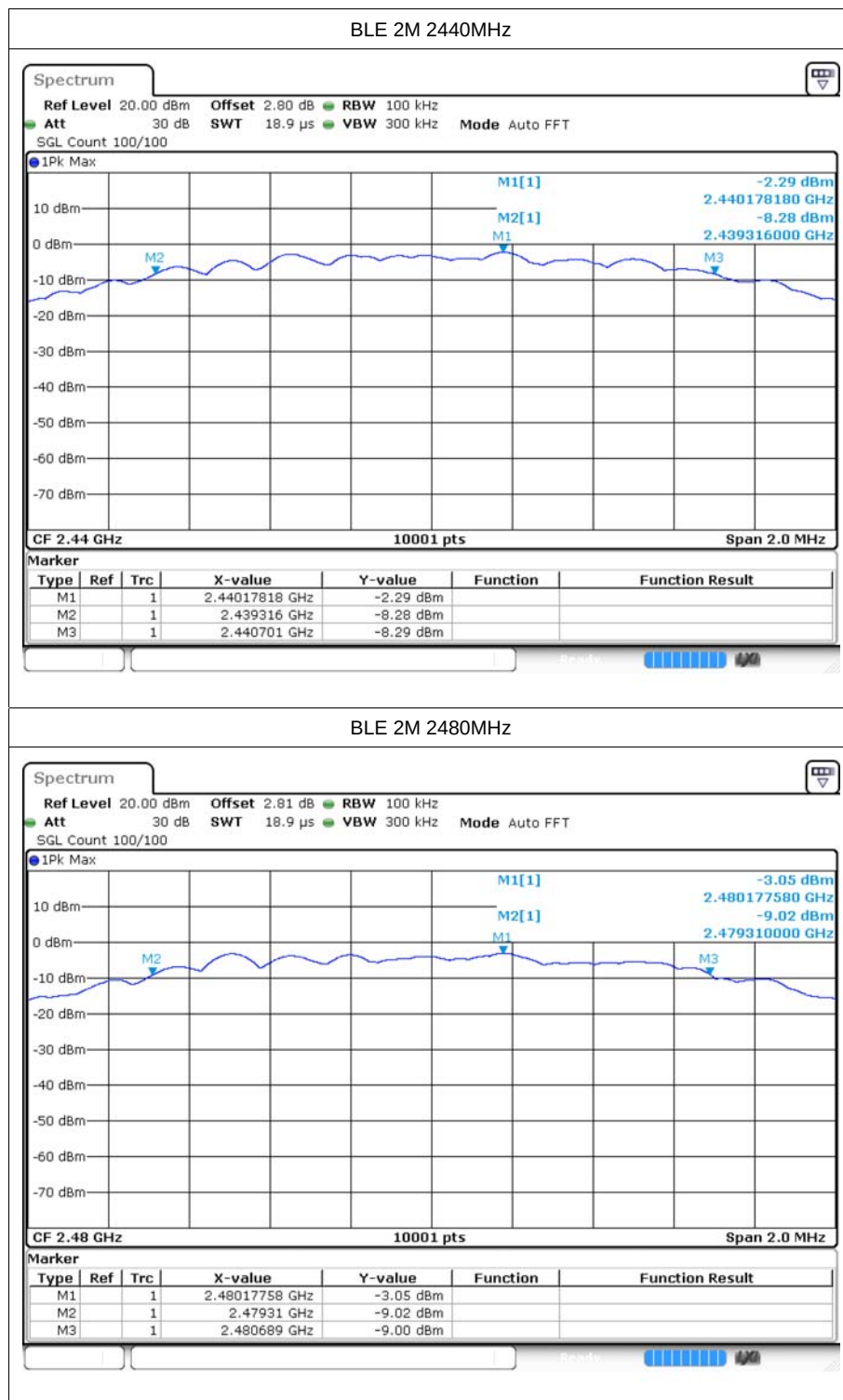
3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.781	0.5	Pass
BLE 1M	2440	0.757	0.5	Pass
BLE 1M	2480	0.756	0.5	Pass
BLE 2M	2402	1.398	0.5	Pass
BLE 2M	2440	1.385	0.5	Pass
BLE 2M	2480	1.38	0.5	Pass

3.2 Test Graphs





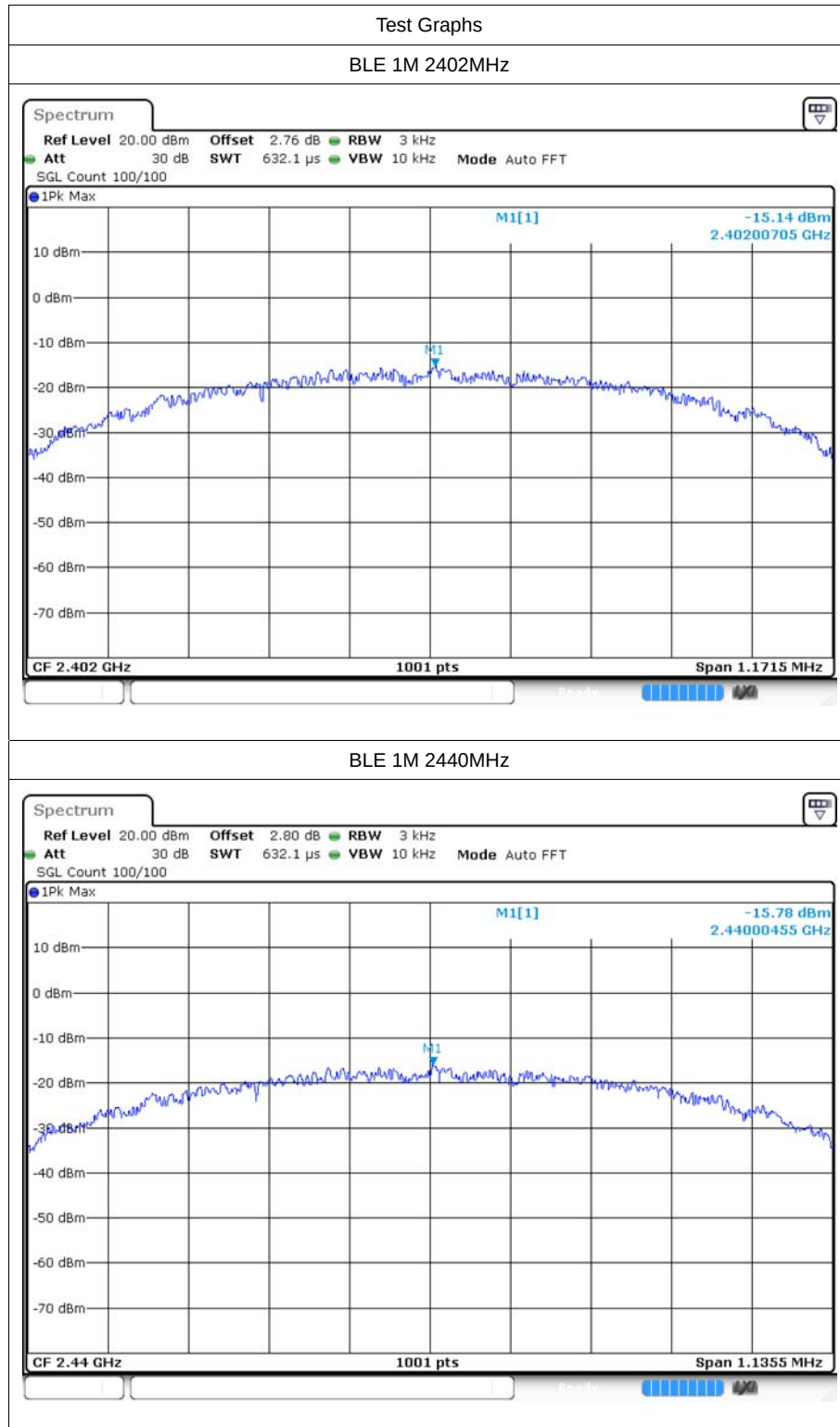


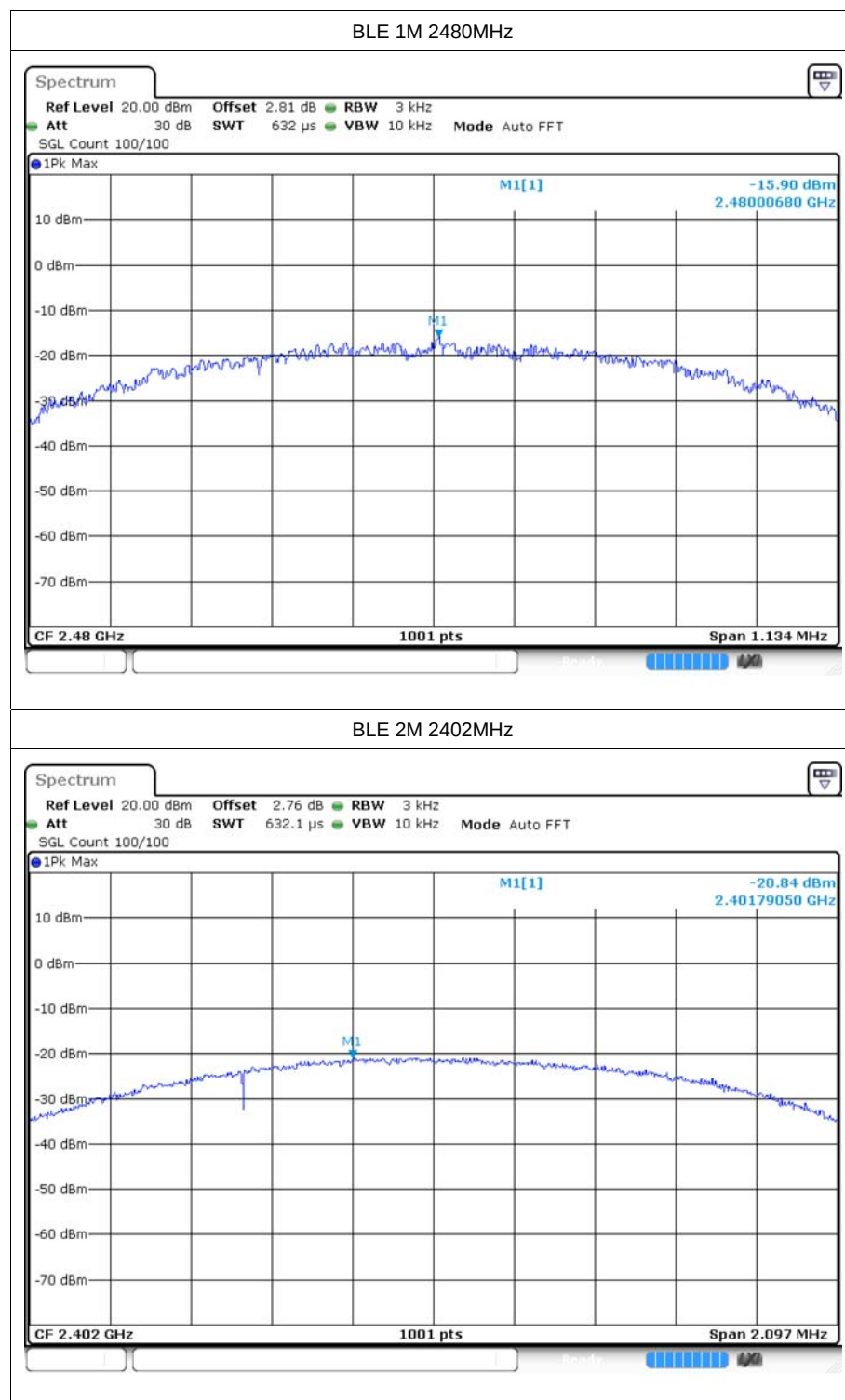
4 Maximum Power Spectral Density Level

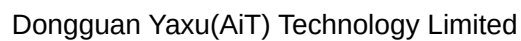
4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-15.14	≤ 8	Pass
BLE 1M	2440	-15.78	≤ 8	Pass
BLE 1M	2480	-15.9	≤ 8	Pass
BLE 2M	2402	-20.84	≤ 8	Pass
BLE 2M	2440	-21.47	≤ 8	Pass
BLE 2M	2480	-21.56	≤ 8	Pass

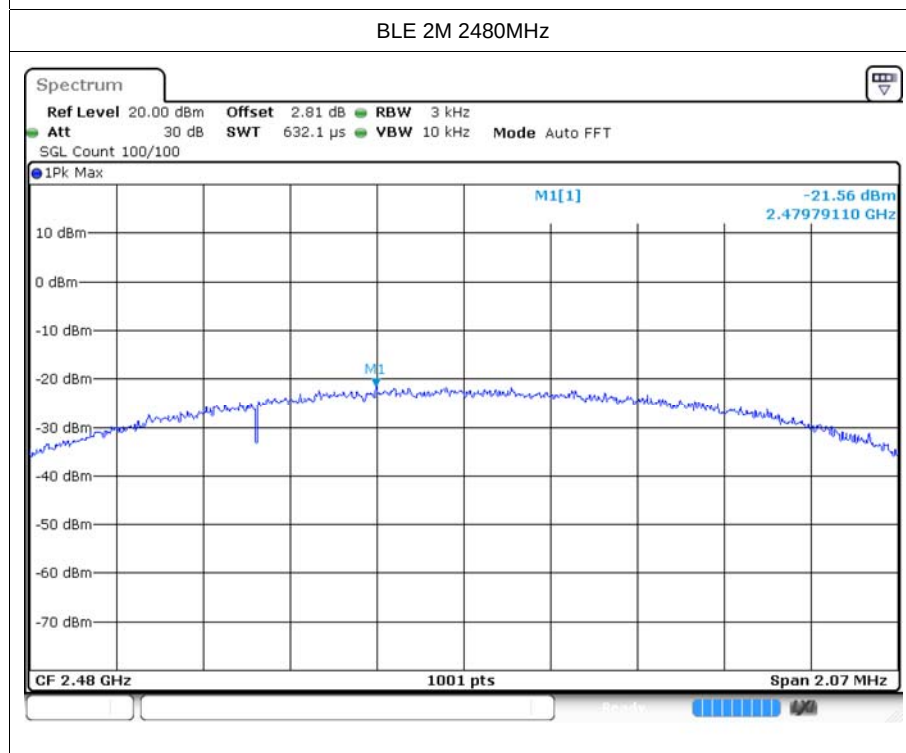
4.2 Test Graphs







Report No.: AIT22121306W1
FCC ID: 2A9O6-ULANZICG02

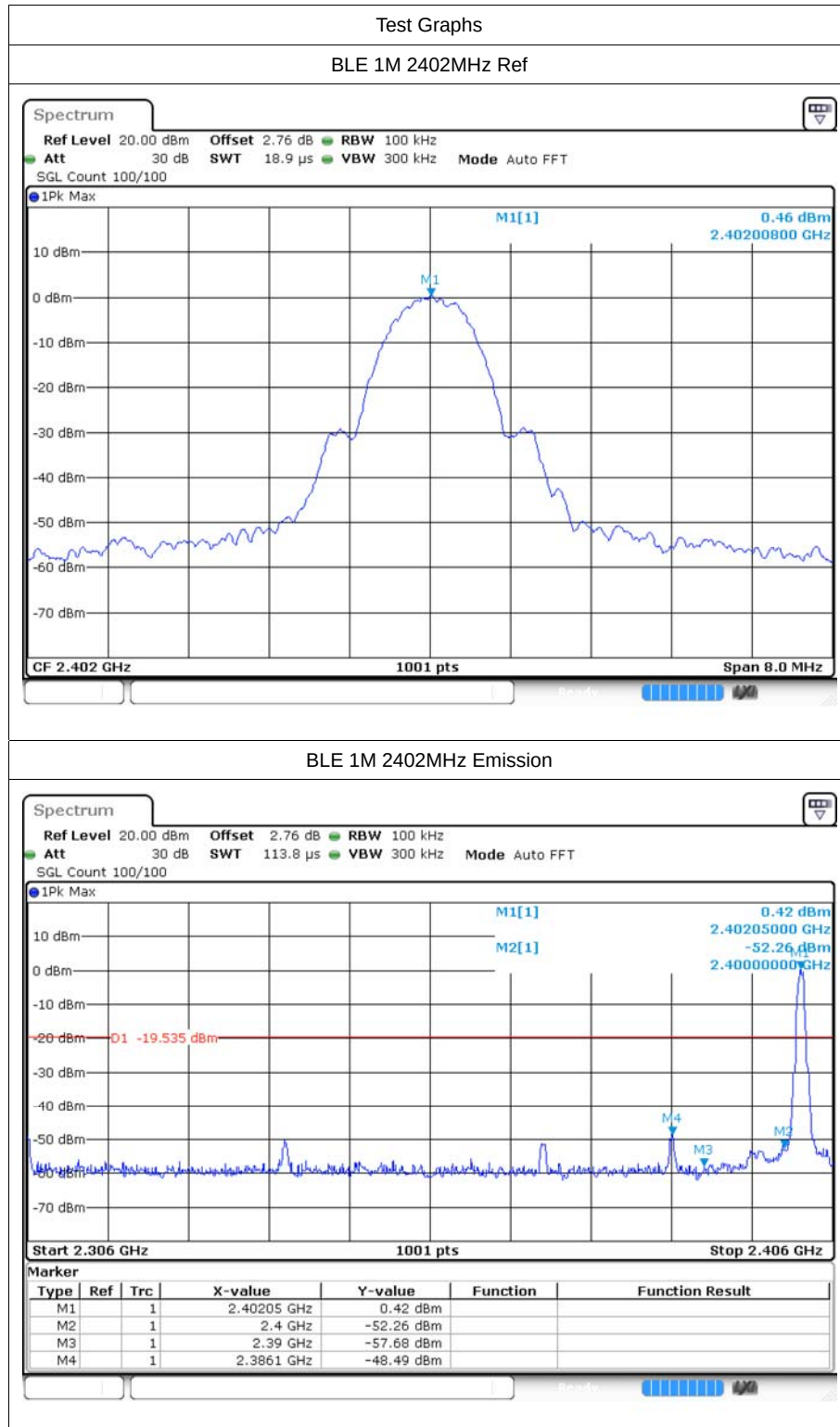


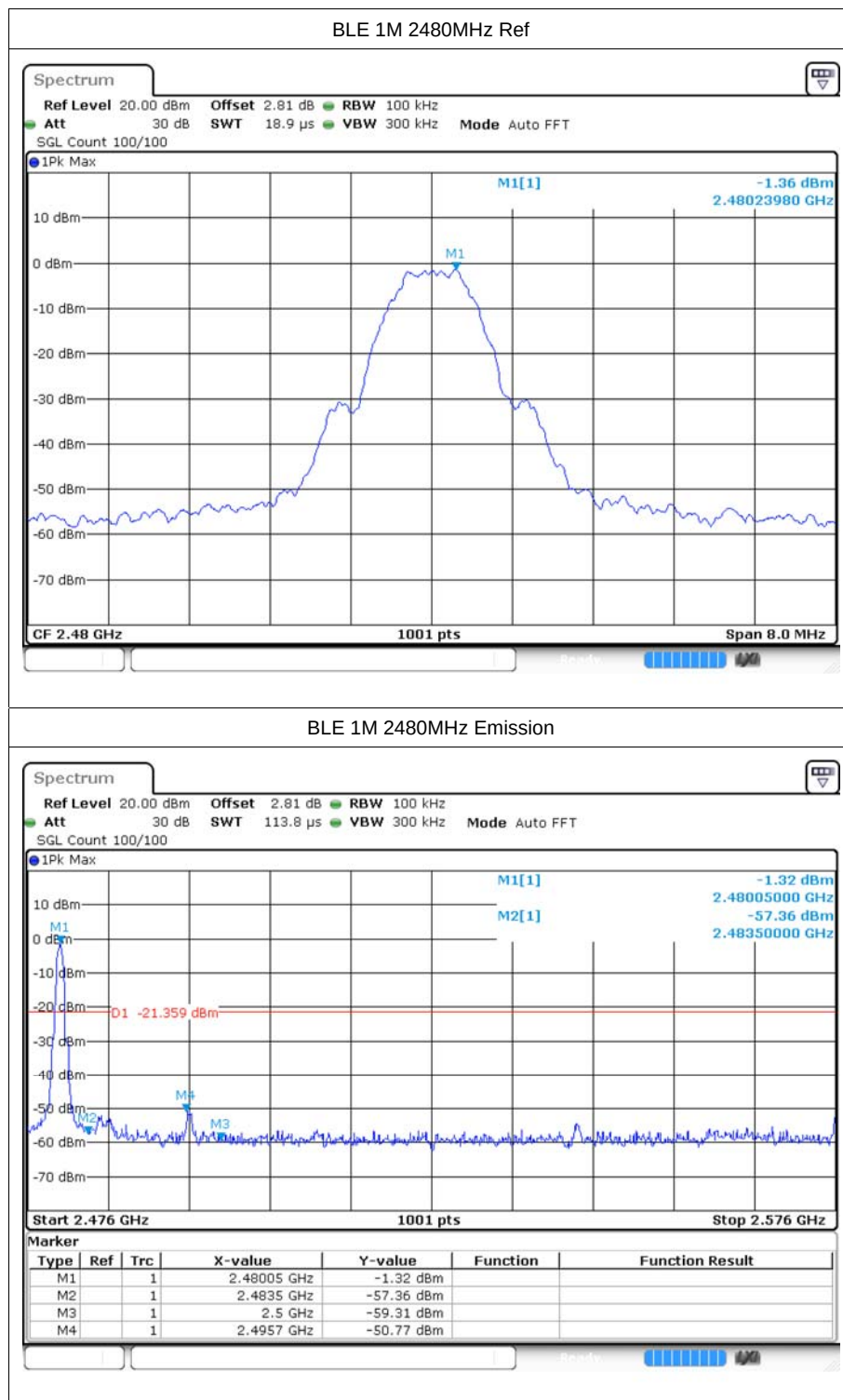
5 Band Edge

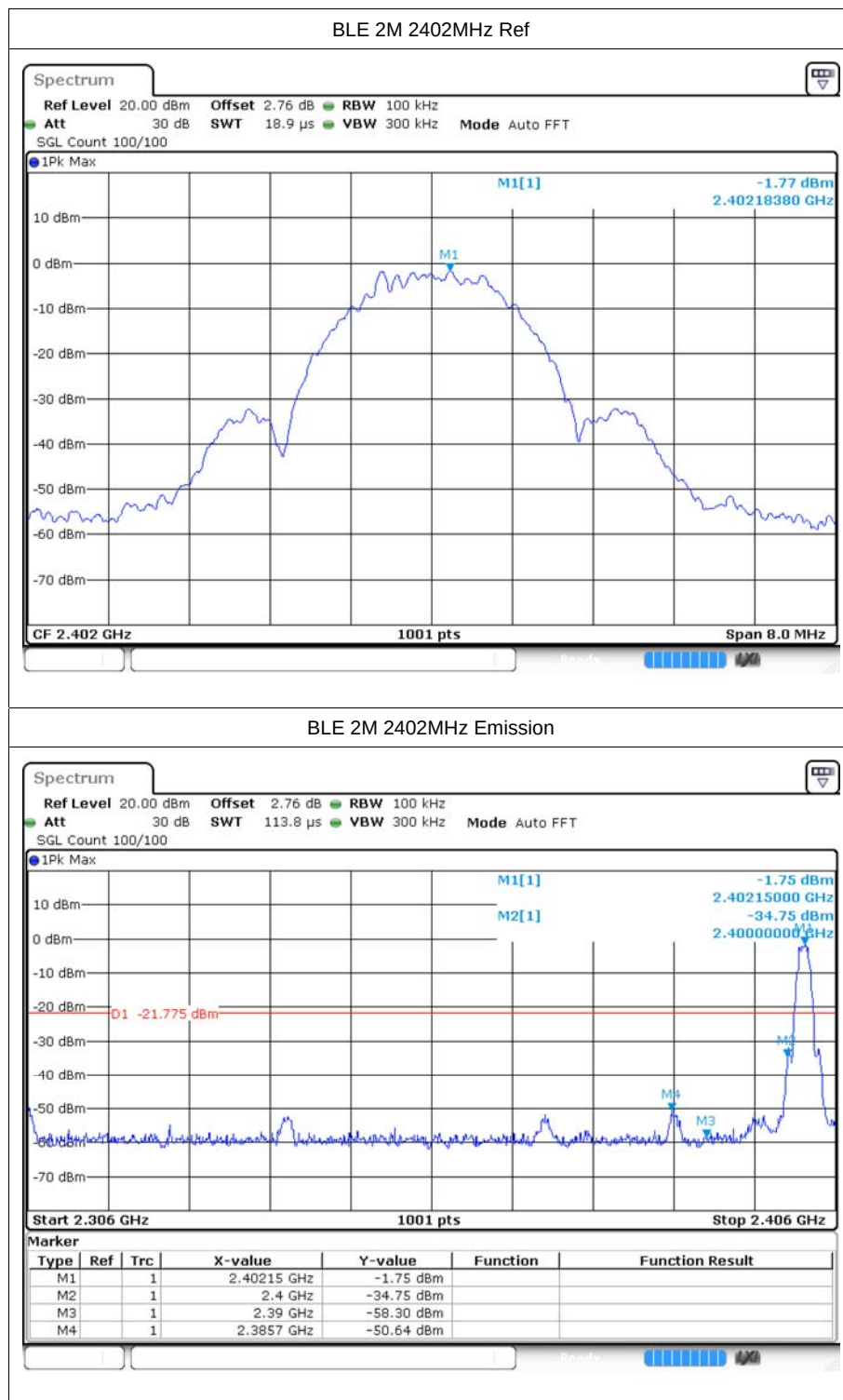
5.1 Test Result

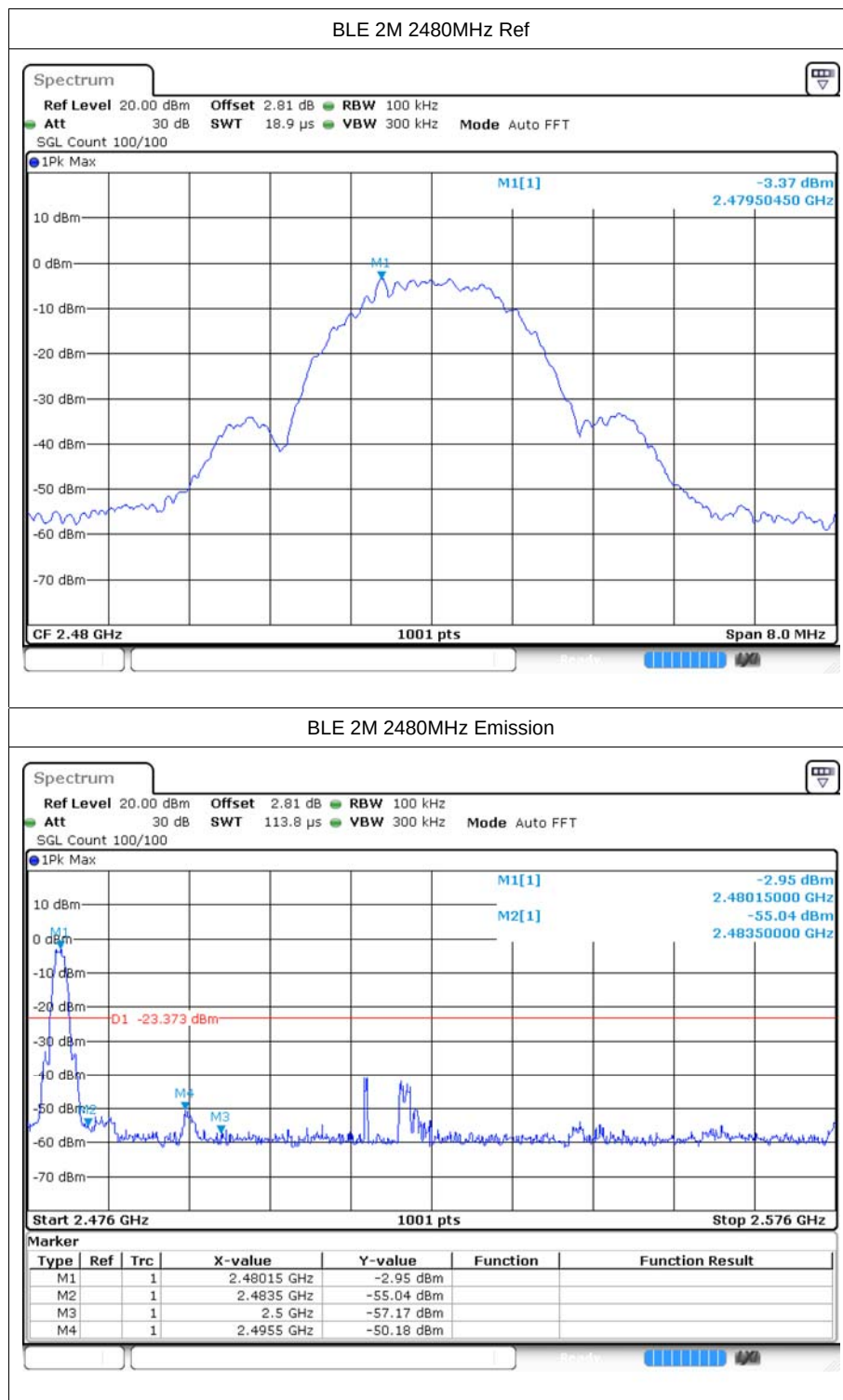
Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-48.94	-20	Pass
BLE 1M	2480	-49.4	-20	Pass
BLE 2M	2402	-48.86	-20	Pass
BLE 2M	2480	-46.81	-20	Pass

5.2 Test Graphs









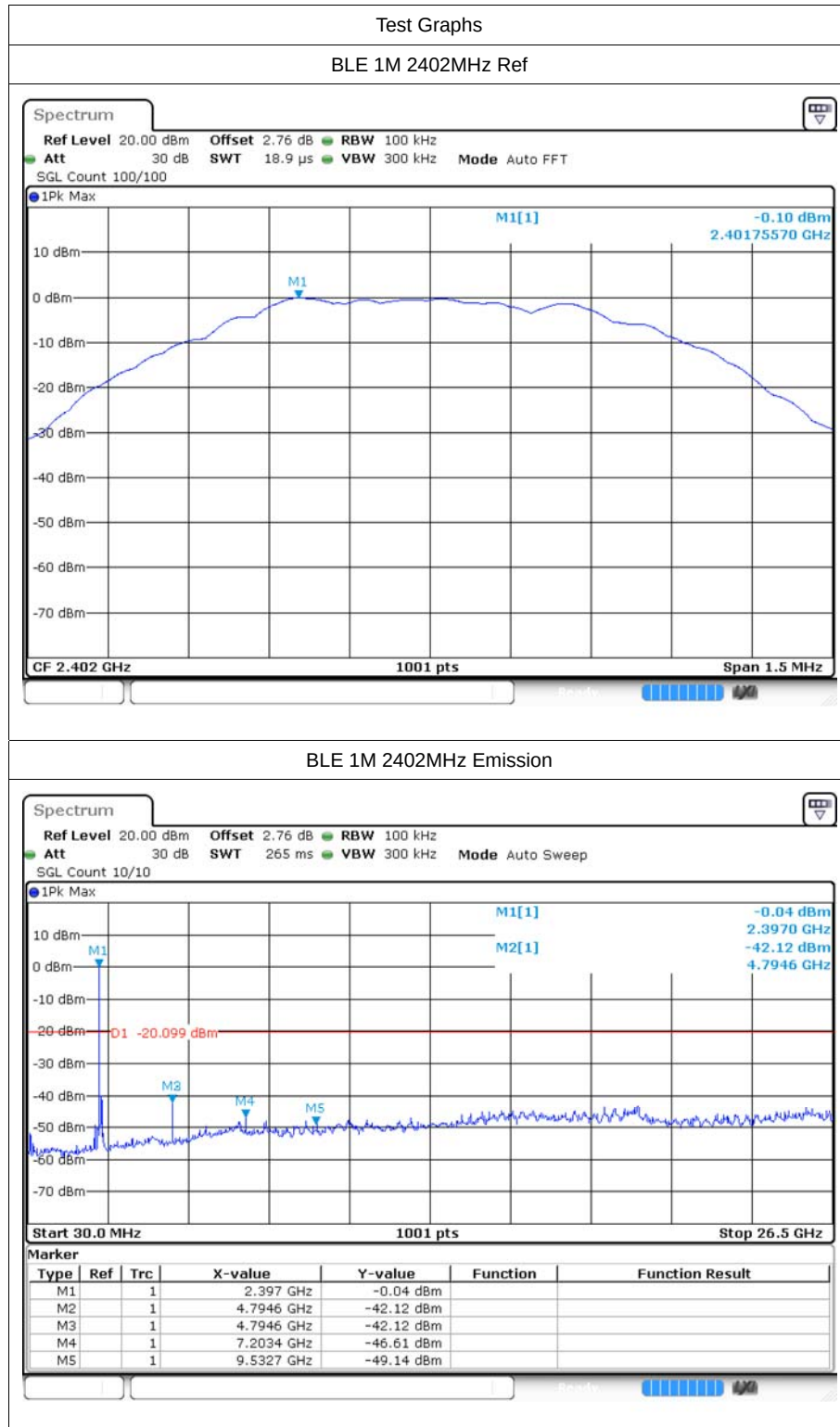


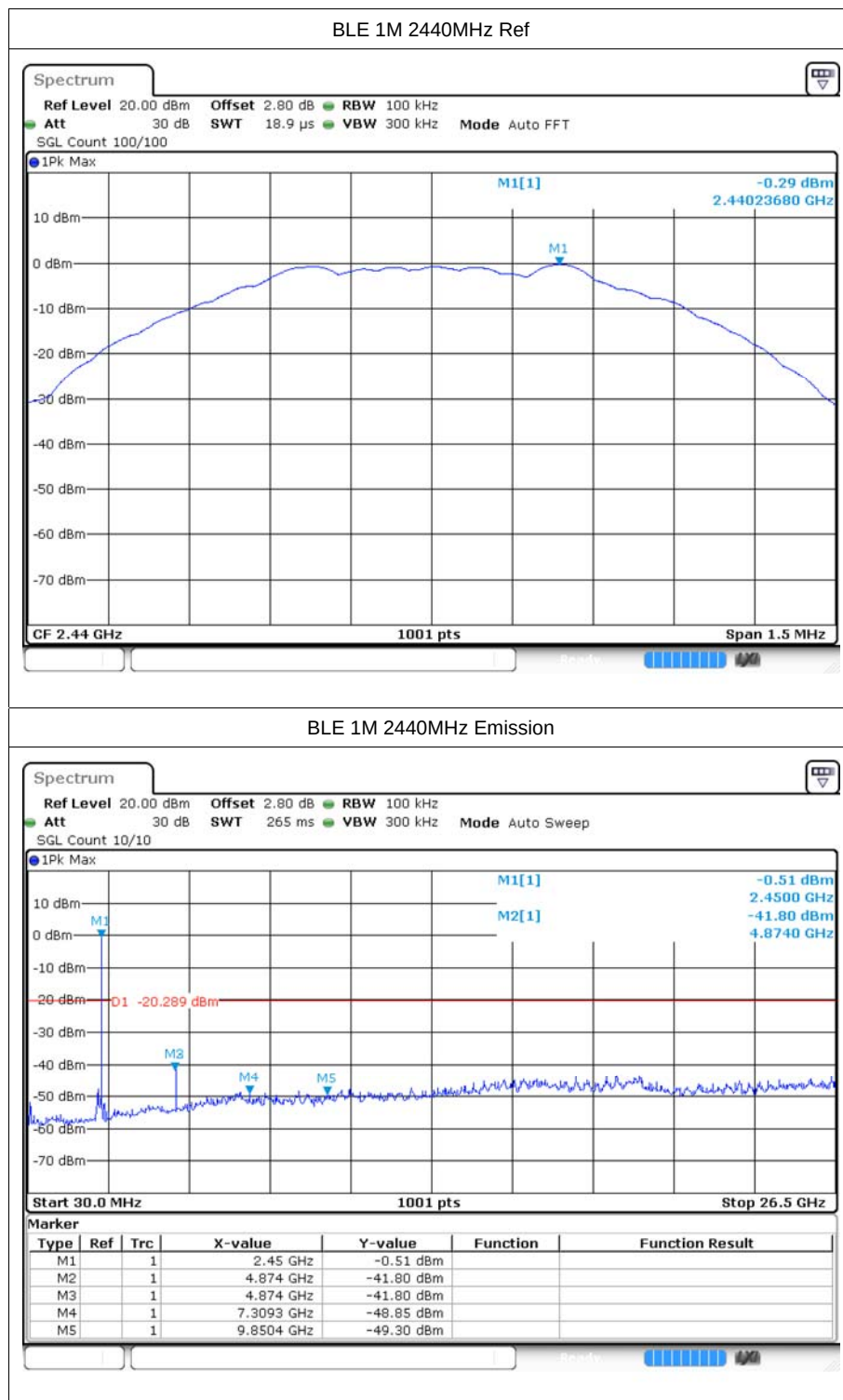
6 Conducted RF Spurious Emission

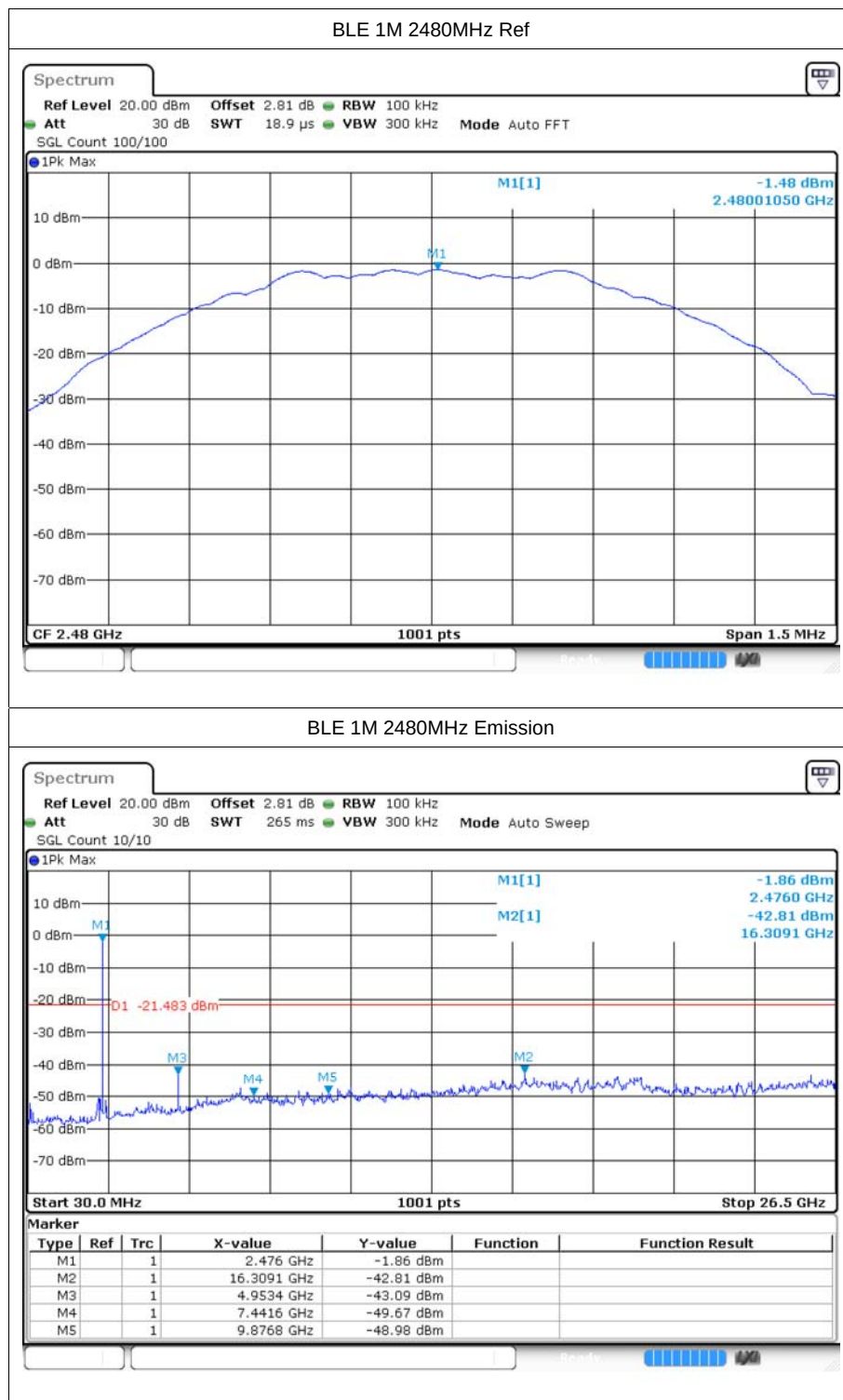
6.1 Test Result

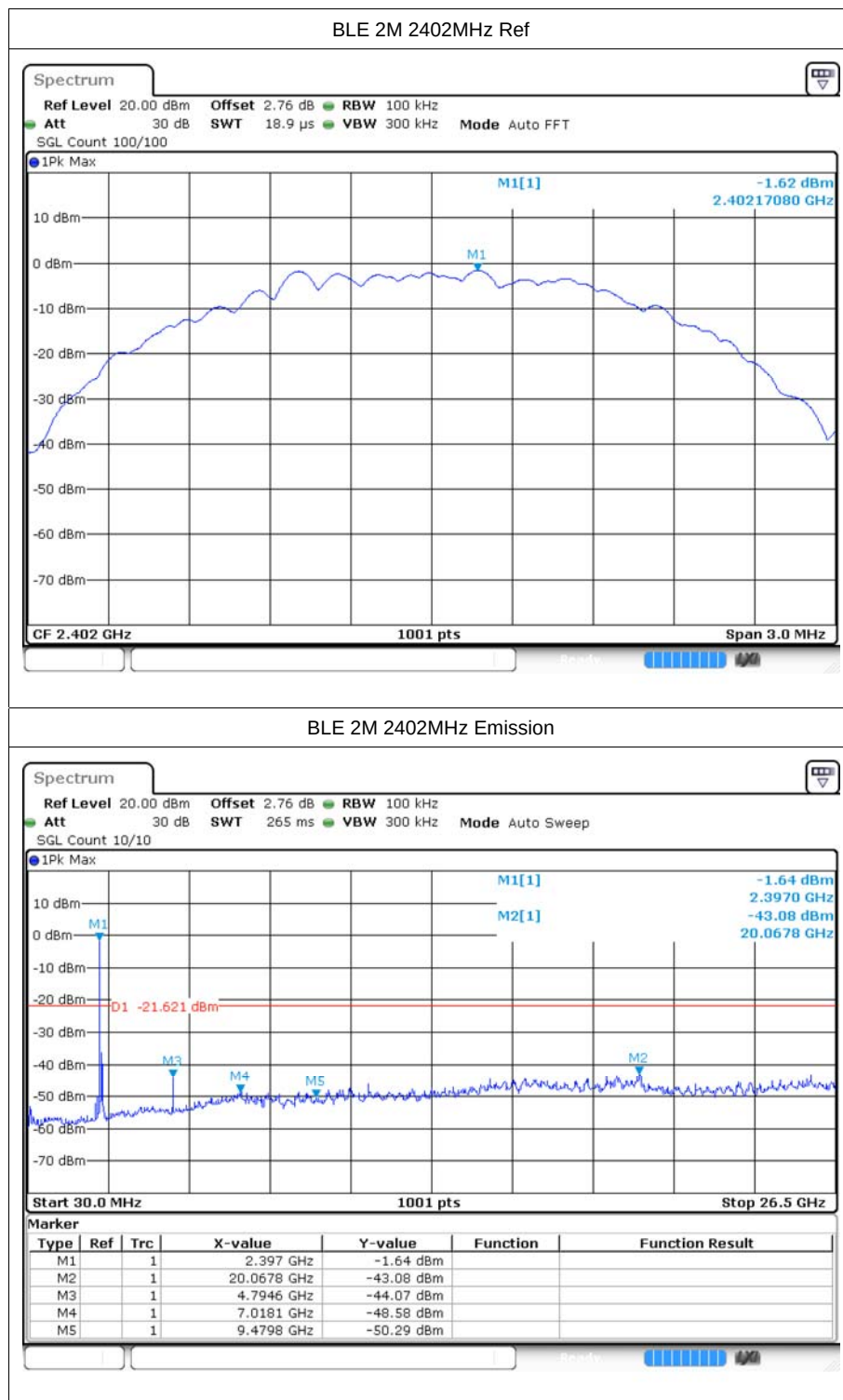
Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-42.01	-20	Pass
BLE 1M	2440	-41.51	-20	Pass
BLE 1M	2480	-41.33	-20	Pass
BLE 2M	2402	-41.45	-20	Pass
BLE 2M	2440	-40.32	-20	Pass
BLE 2M	2480	-39.7	-20	Pass

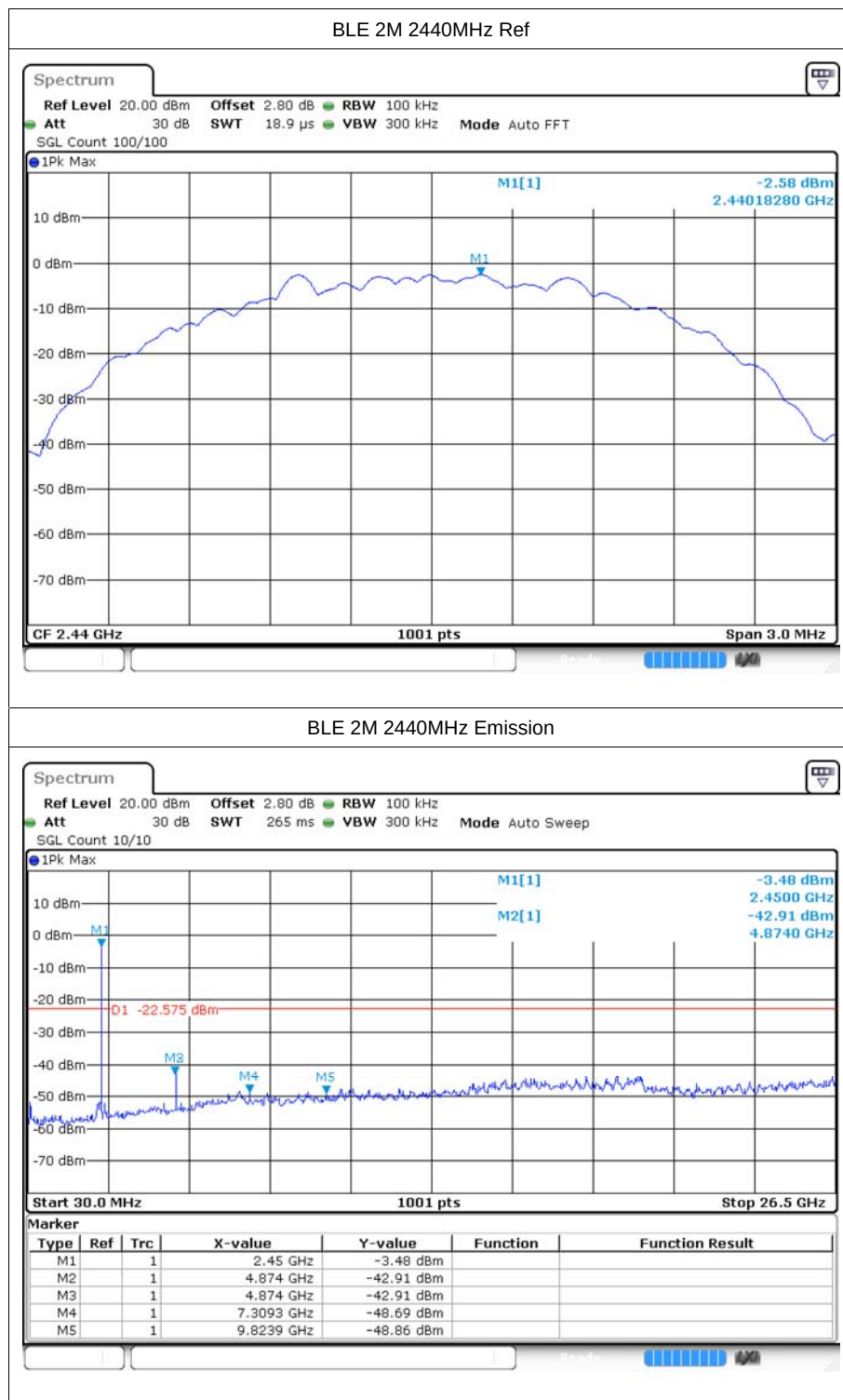
6.2 Test Graphs

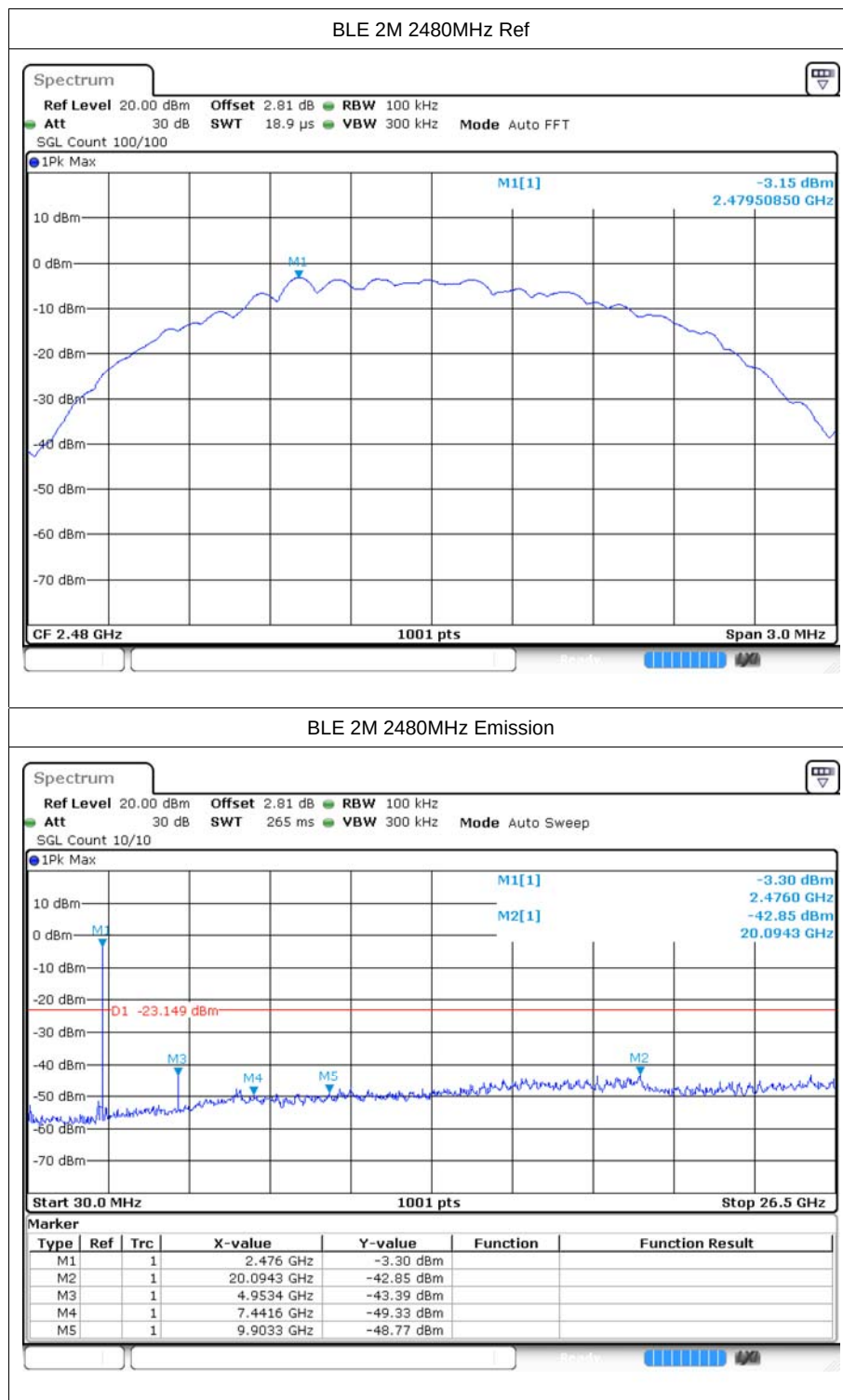












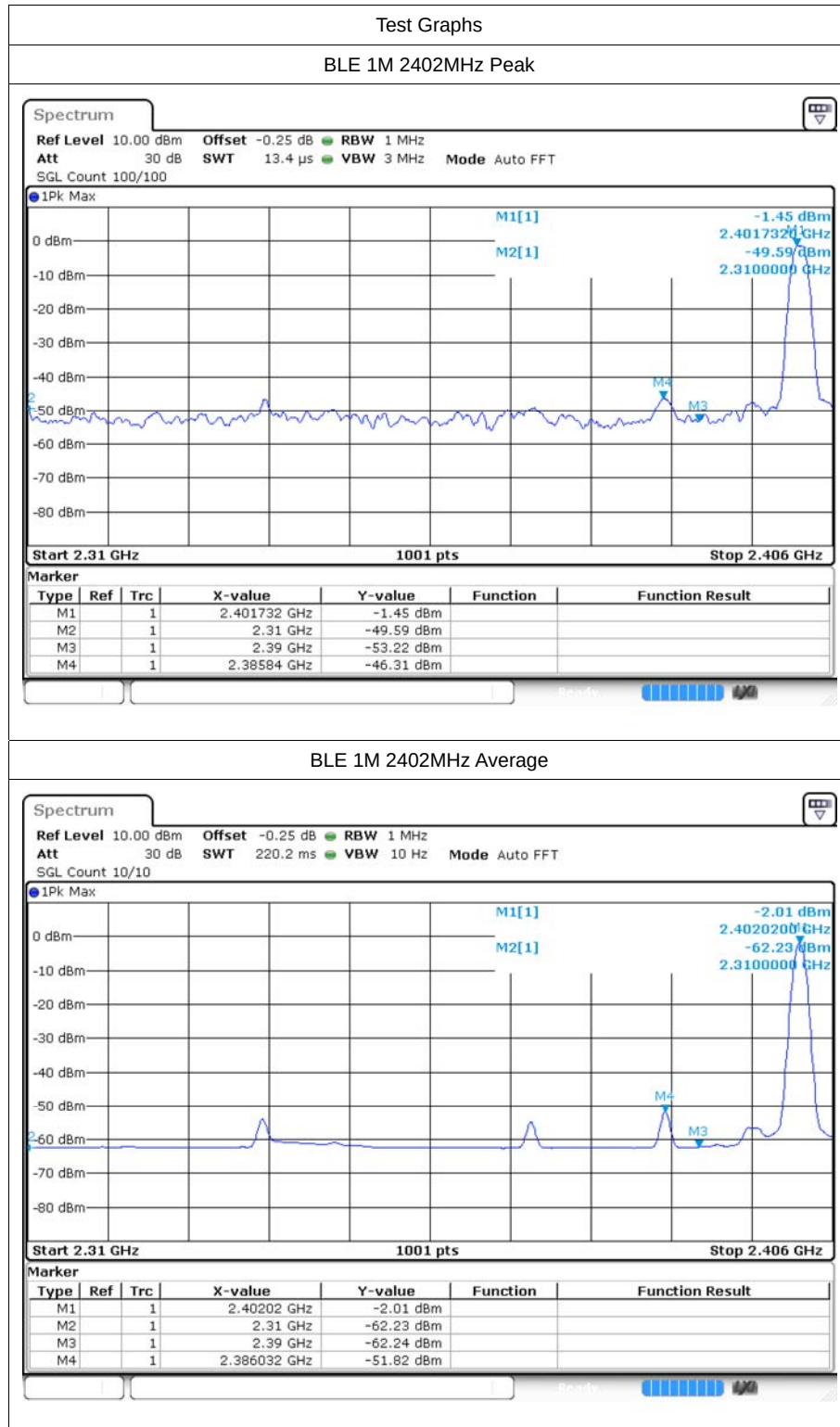


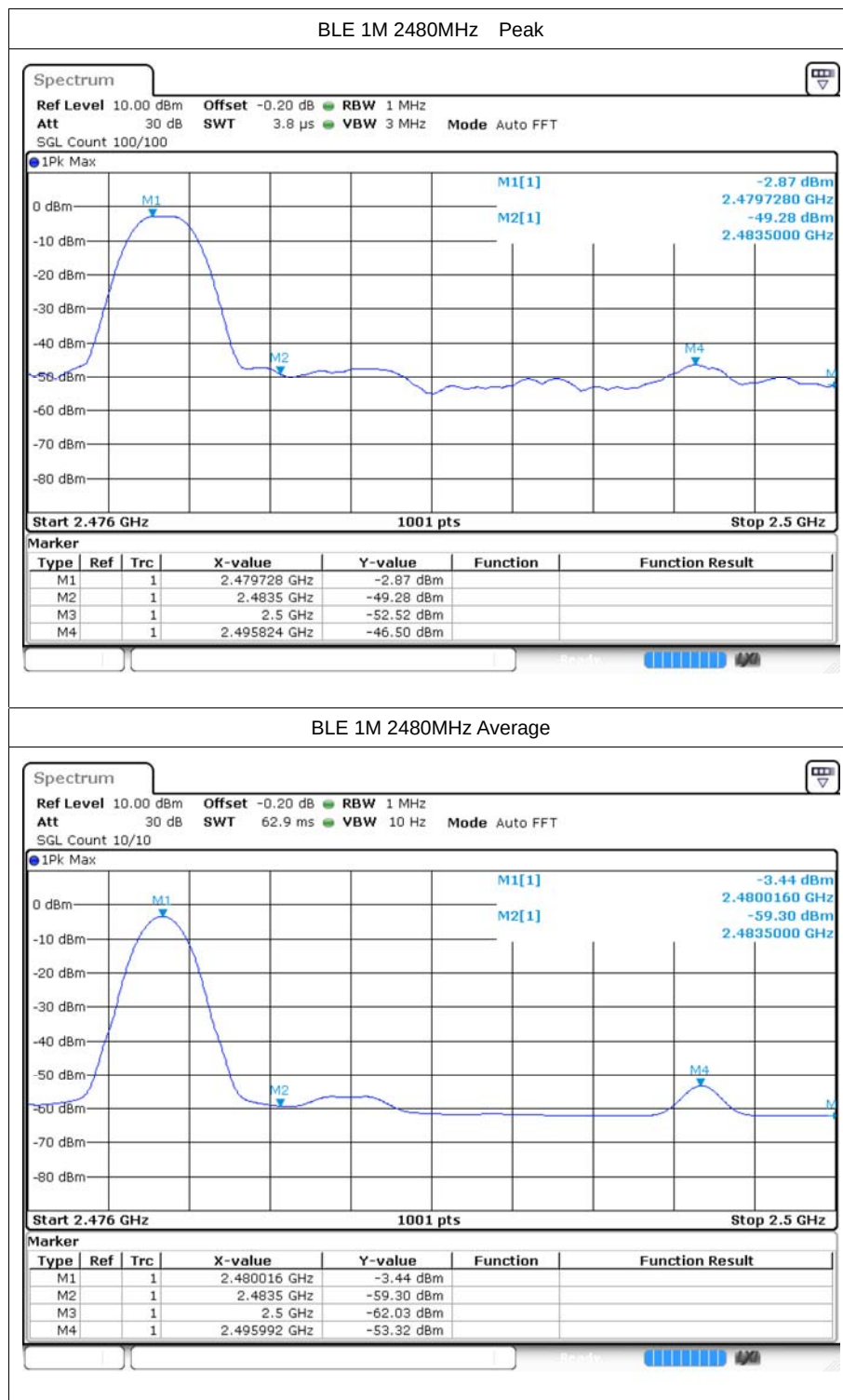
7 Restrict Band

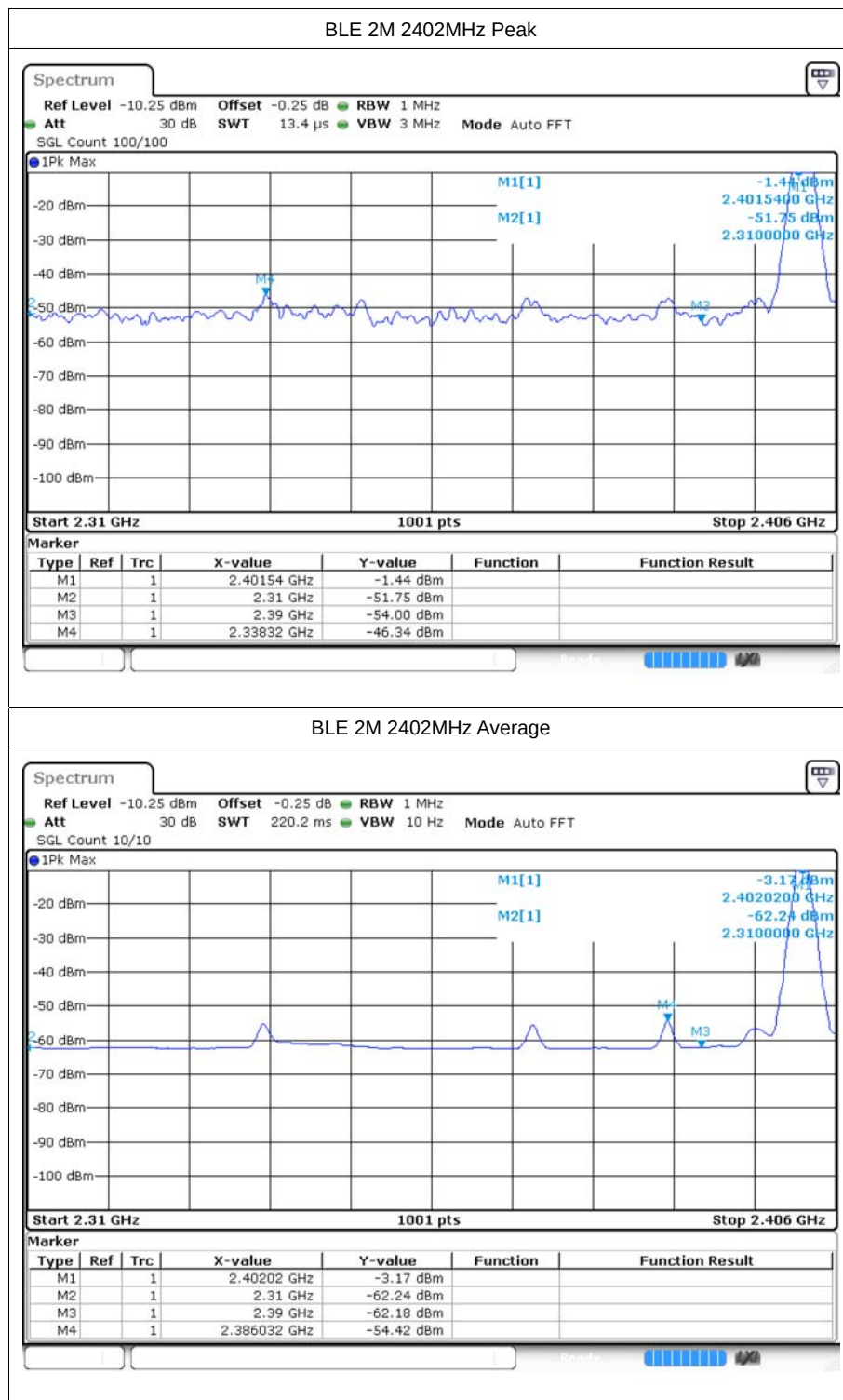
7.1 Test Result

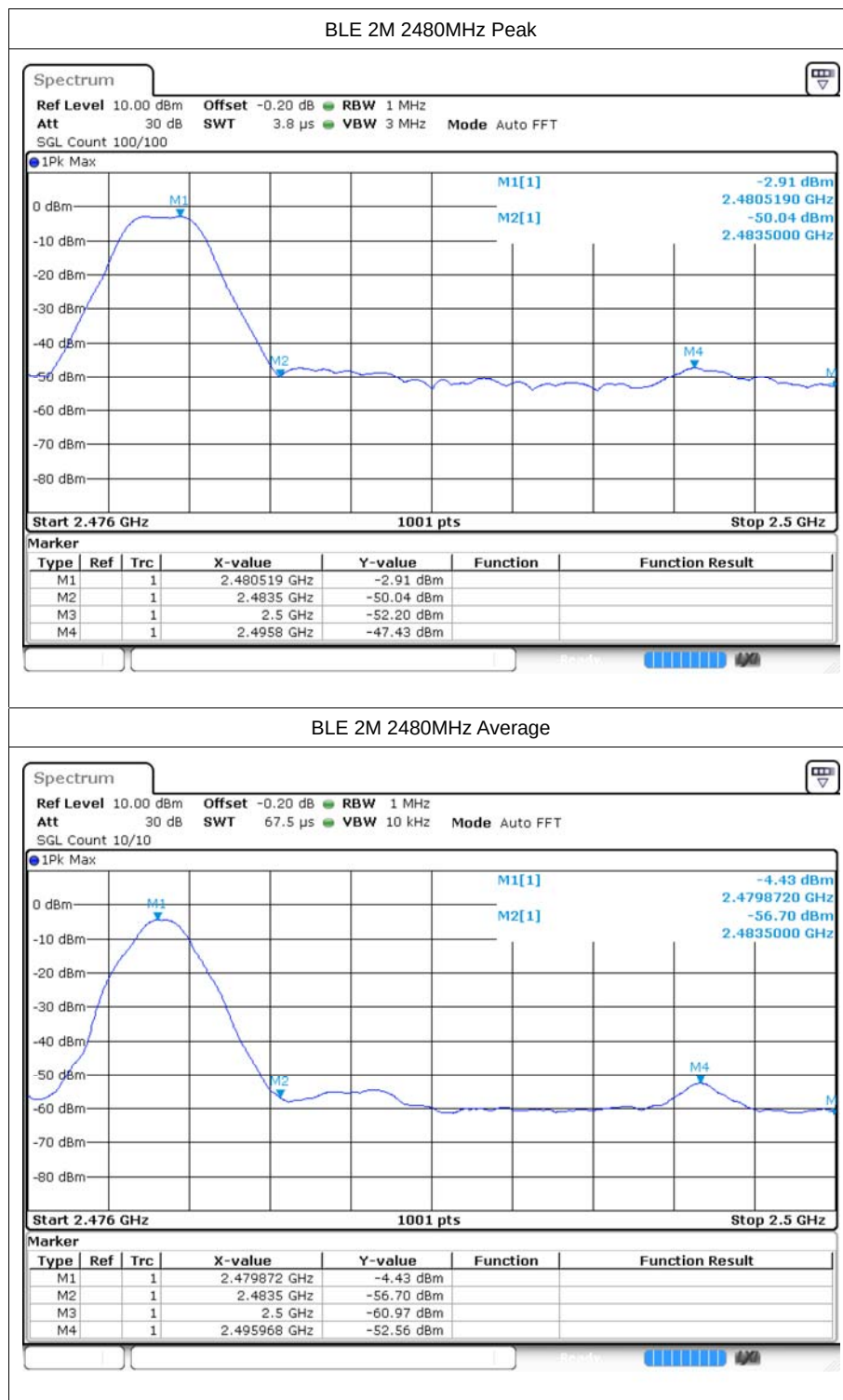
Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
BLE 1M	2402	2310	-49.58	2	47.68	Peak	74	Pass
BLE 1M	2402	2310	-62.22	2	35.04	Average	54	Pass
BLE 1M	2402	2385.84	-46.3	2	50.96	Peak	74	Pass
BLE 1M	2402	2386.032	-51.82	2	45.44	Average	54	Pass
BLE 1M	2402	2390	-53.22	2	44.04	Peak	74	Pass
BLE 1M	2402	2390	-62.23	2	35.03	Average	54	Pass
BLE 1M	2480	2483.5	-49.43	2	47.83	Peak	74	Pass
BLE 1M	2480	2483.5	-59.31	2	37.95	Average	54	Pass
BLE 1M	2480	2495.824	-46.5	2	50.76	Peak	74	Pass
BLE 1M	2480	2495.992	-53.31	2	43.95	Average	54	Pass
BLE 1M	2480	2500	-52.51	2	44.75	Peak	74	Pass
BLE 1M	2480	2500	-62.02	2	35.24	Average	54	Pass
BLE 2M	2402	2310	-51.75	2	45.51	Peak	74	Pass
BLE 2M	2402	2310	-62.24	2	35.02	Average	54	Pass
BLE 2M	2402	2338.32	-46.34	2	50.92	Peak	74	Pass
BLE 2M	2402	2386.032	-54.42	2	42.84	Average	54	Pass
BLE 2M	2402	2390	-53.99	2	43.27	Peak	74	Pass
BLE 2M	2402	2390	-62.18	2	35.08	Average	54	Pass
BLE 2M	2480	2483.5	-49.79	2	47.47	Peak	74	Pass
BLE 2M	2480	2483.5	-56.86	2	40.4	Average	54	Pass
BLE 2M	2480	2495.8	-47.42	2	49.84	Peak	74	Pass
BLE 2M	2480	2495.968	-52.55	2	44.71	Average	54	Pass
BLE 2M	2480	2500	-52.2	2	45.06	Peak	74	Pass
BLE 2M	2480	2500	-60.96	2	36.3	Average	54	Pass

7.2 Test Graphs









---The End---