



Appendix B

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

Product Name: Trail Camera

Trade Mark:

Test Model: PH820W

Environmental Conditions

Temperature:	25.8° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



Contents

	Page
COVER PAGE	
1 Duty Cycle	3
1.1 Test Result	3
1.2 Test Graphs	4
2 Maximum Conducted Output Power	6
2.1 Test Result	6
2.2 Test Graphs	7
3 -6dB Bandwidth	9
3.1 Test Result	9
3.2 Test Graphs	10
4 Maximum Power Spectral Density Level	12
4.1 Test Result	12
4.2 Test Graphs	13
5 Band Edge	15
5.1 Test Result	15
5.2 Test Graphs	16
6 Conducted RF Spurious Emission	18
6.1 Test Result	18
6.2 Test Graphs	19
7 Restrict Band	22
7.1 Test Result	22
7.2 Test Graphs	23

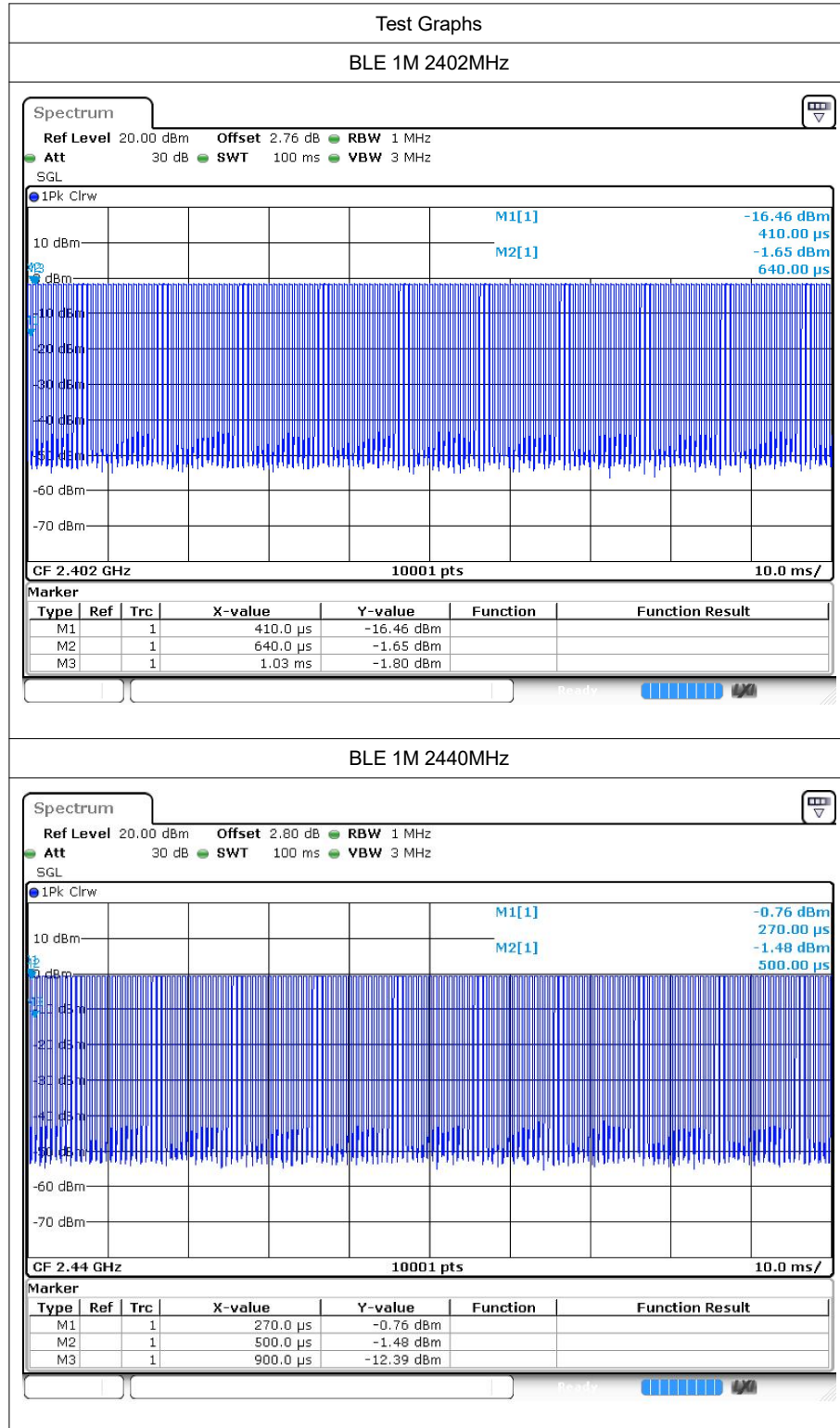


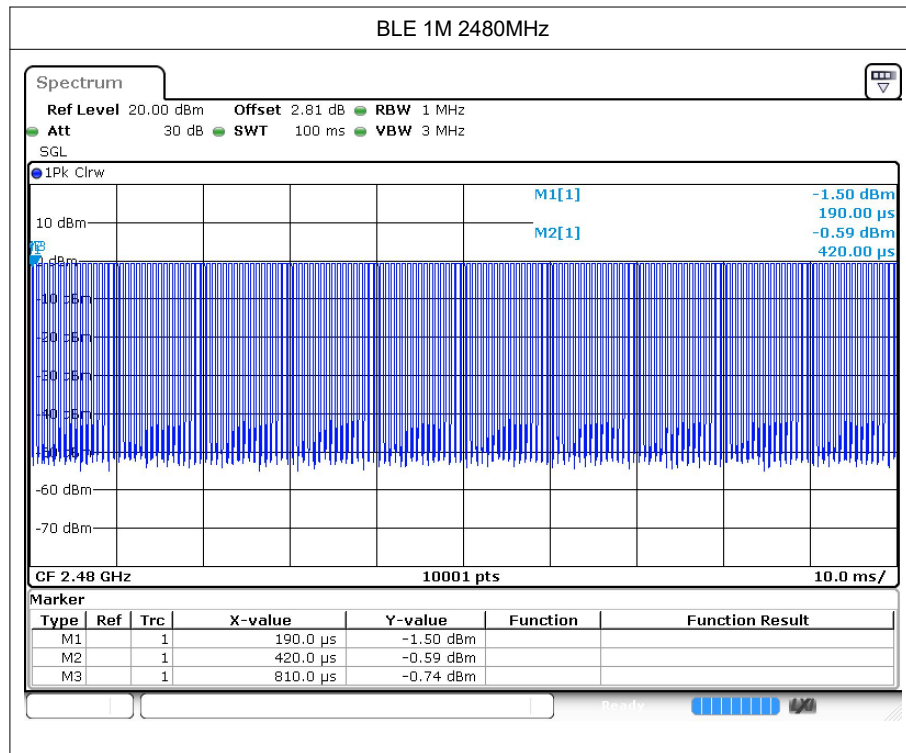
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	1/T (kHz)
BLE 1M	2402	64.79	2.56
BLE 1M	2440	64.78	2.5
BLE 1M	2480	64	2.56

1.2 Test Graphs



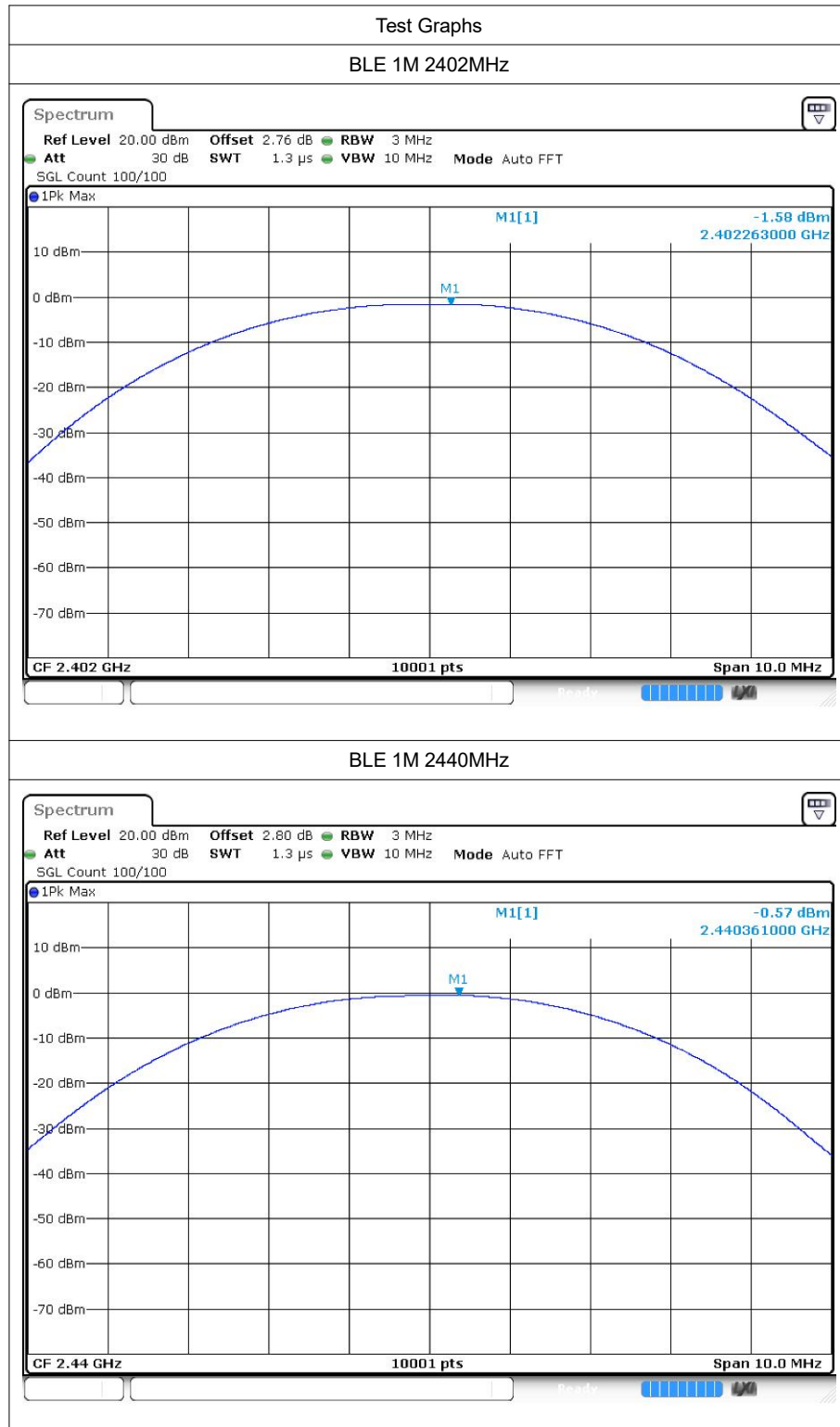


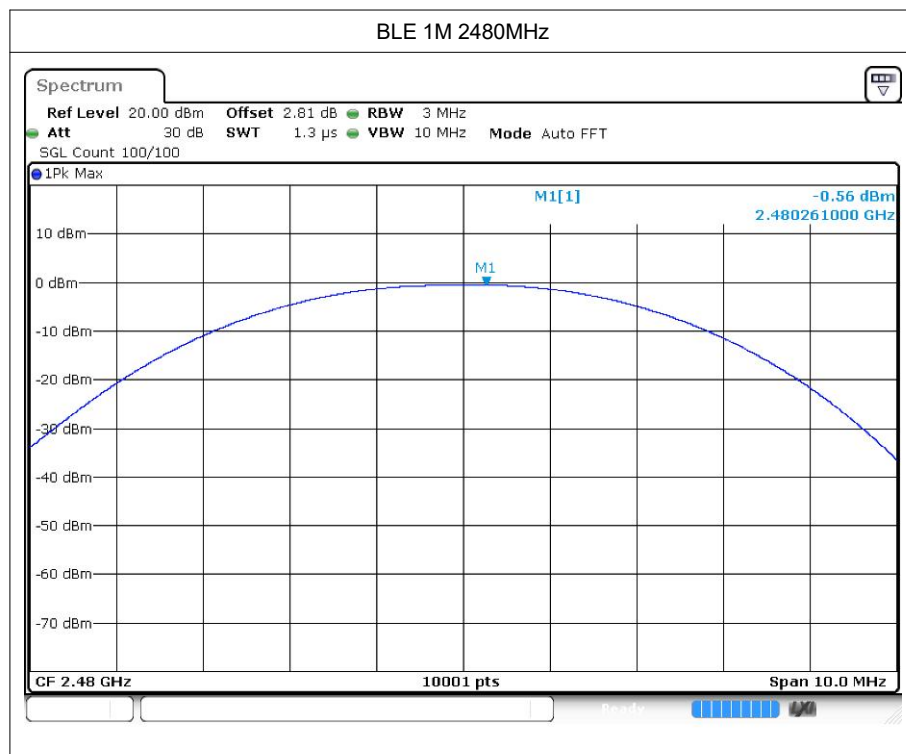
2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	-1.58	30	Pass
BLE 1M	2440	-0.57	30	Pass
BLE 1M	2480	-0.56	30	Pass

2.2 Test Graphs





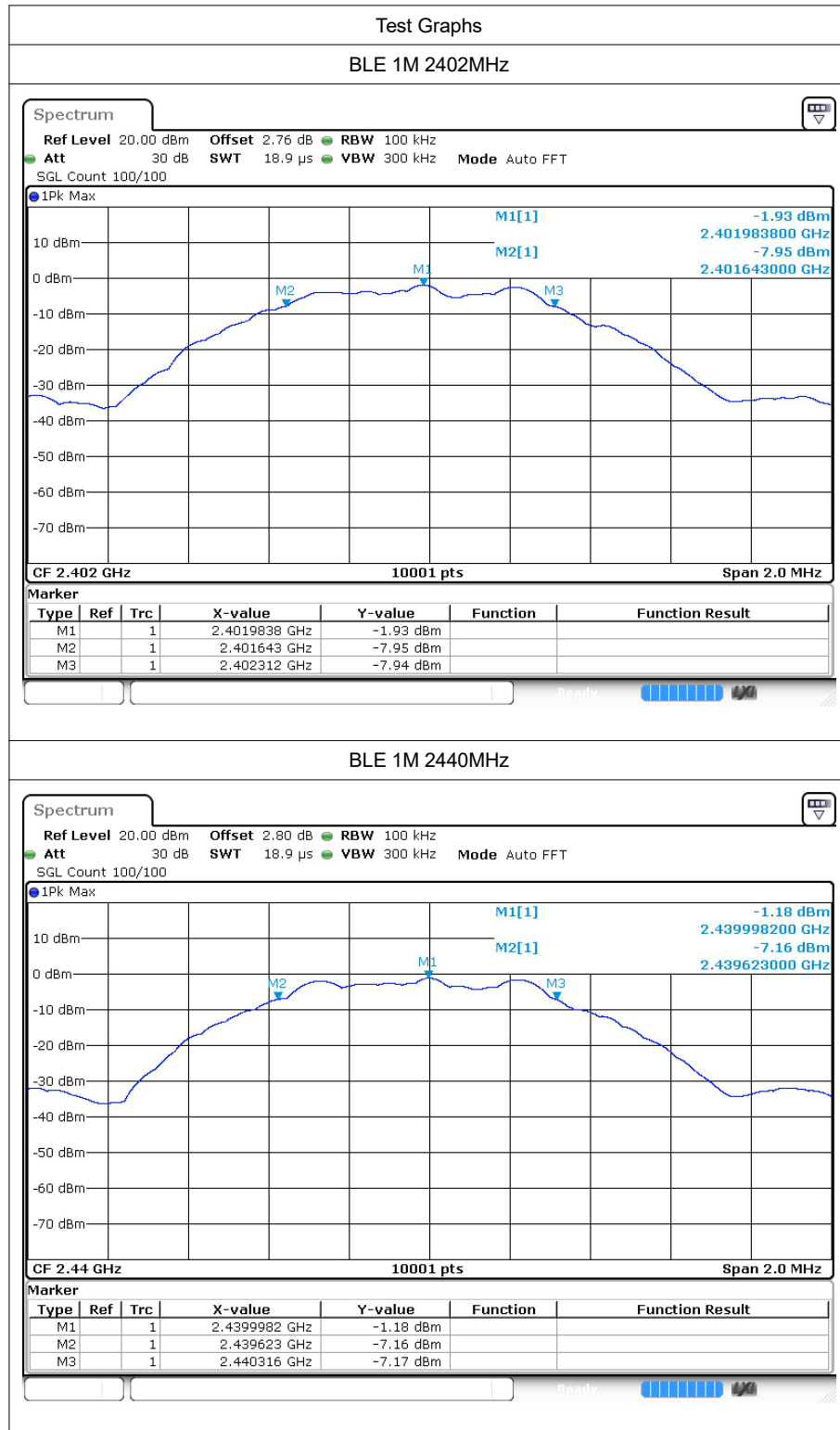


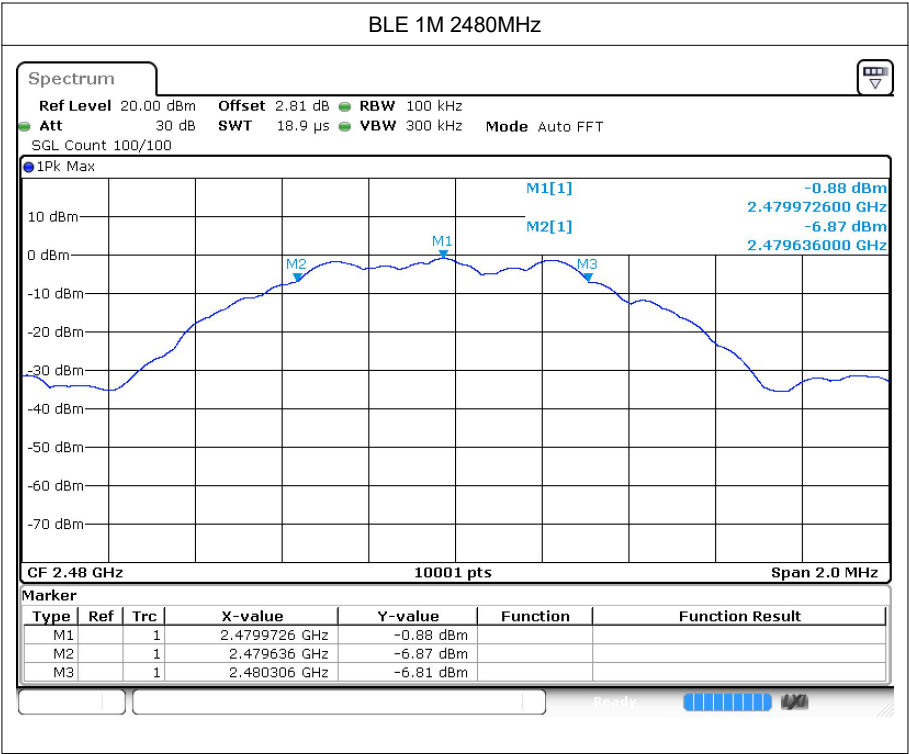
3 -6dB Bandwidth

3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.668	0.5	Pass
BLE 1M	2440	0.693	0.5	Pass
BLE 1M	2480	0.67	0.5	Pass

3.2 Test Graphs



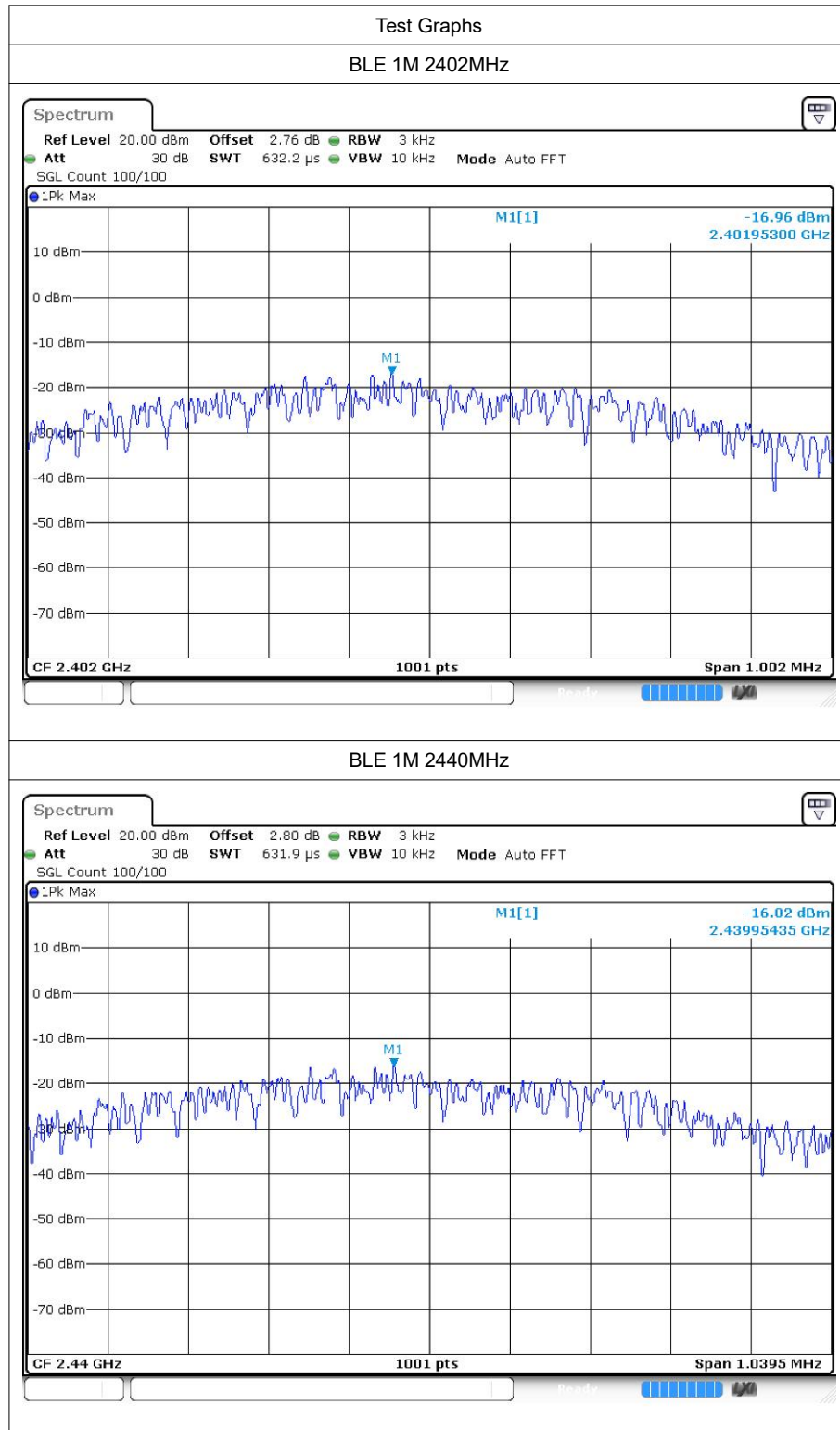


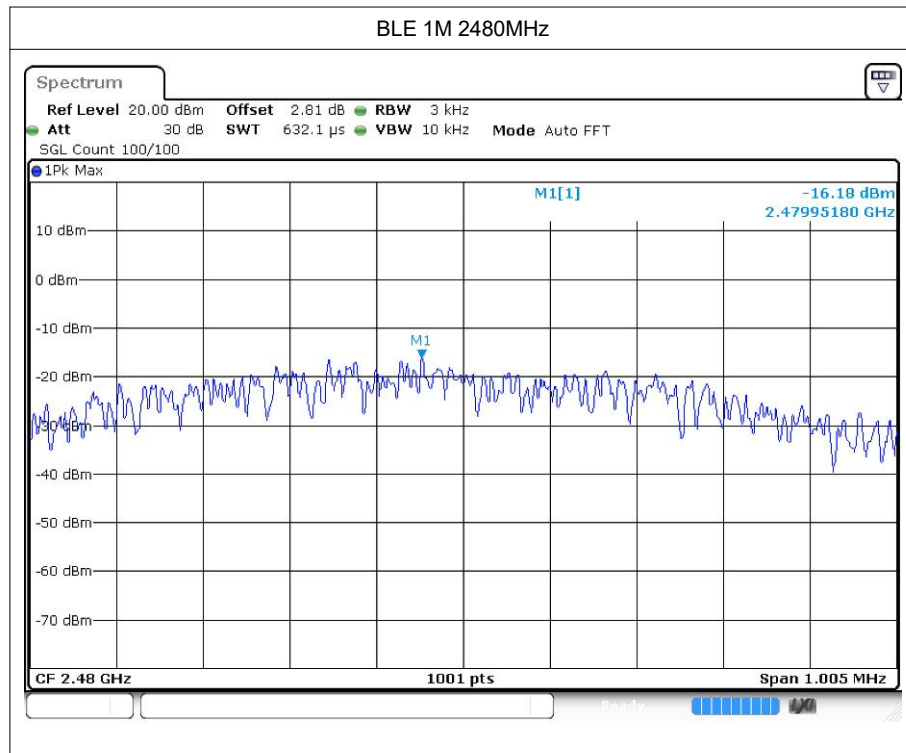
4 Maximum Power Spectral Density Level

4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-16.96	≤ 8	Pass
BLE 1M	2440	-16.02	≤ 8	Pass
BLE 1M	2480	-16.18	≤ 8	Pass

4.2 Test Graphs





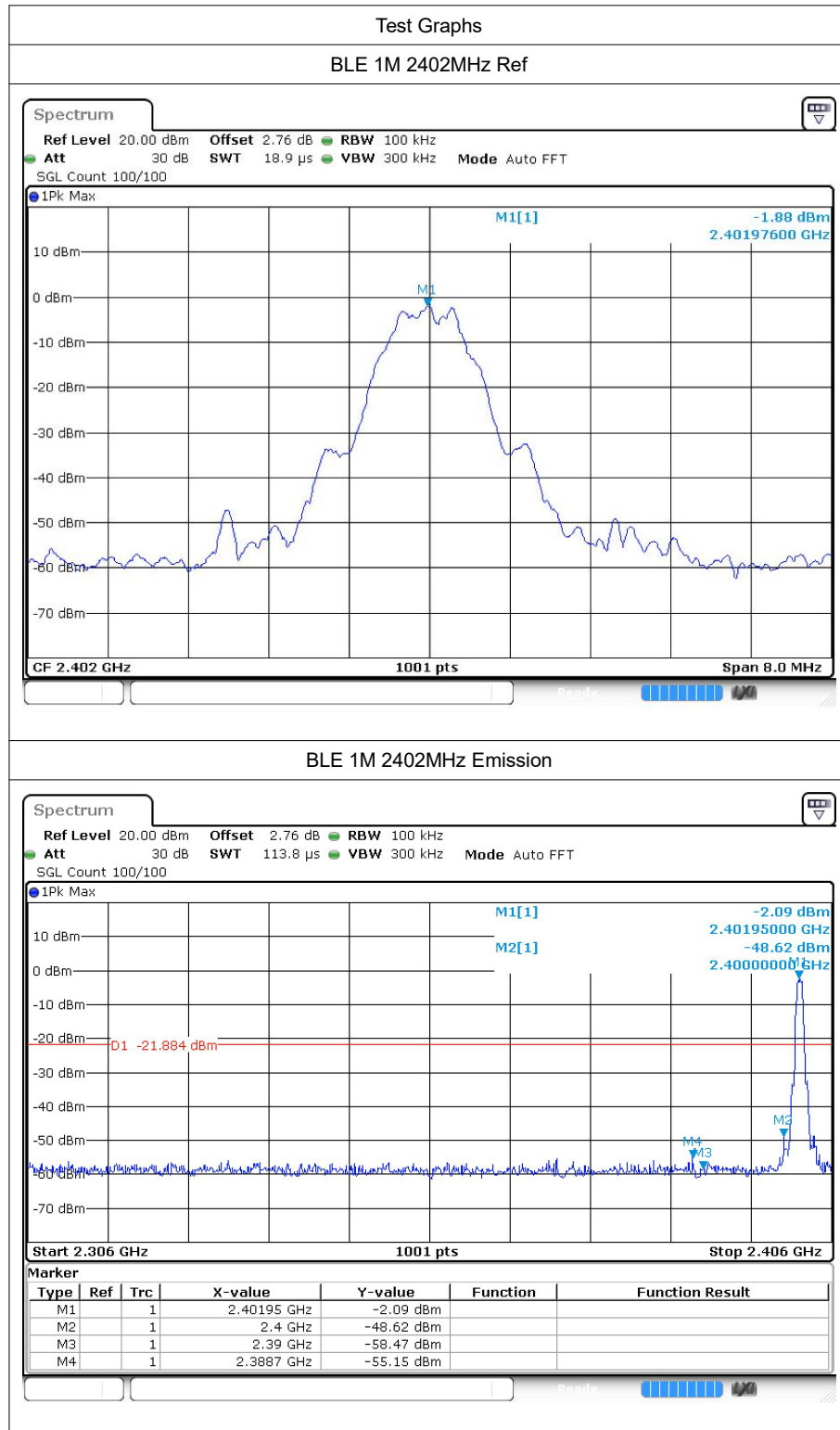


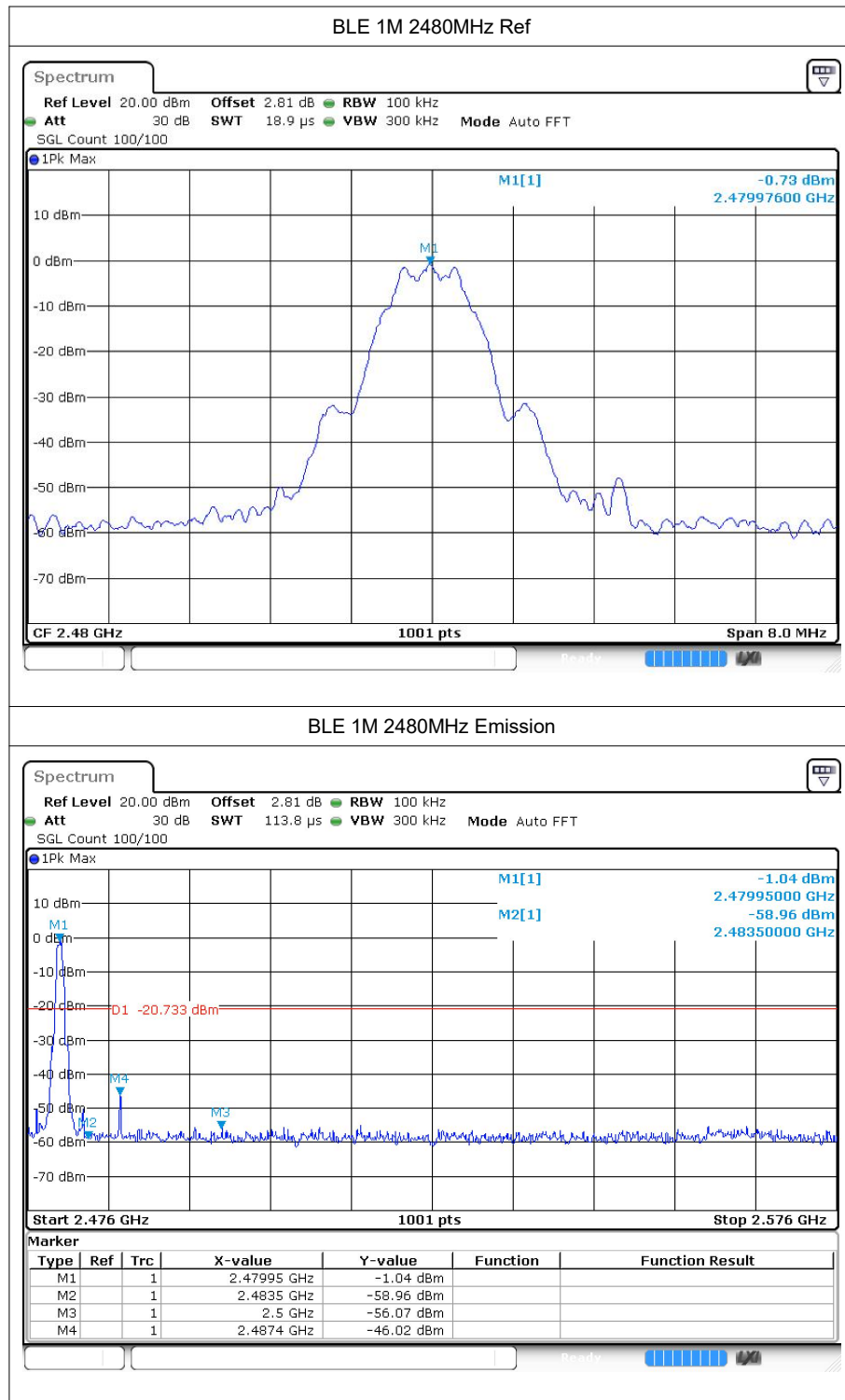
5 Band Edge

5.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-53.26	-20	Pass
BLE 1M	2480	-45.28	-20	Pass

5.2 Test Graphs



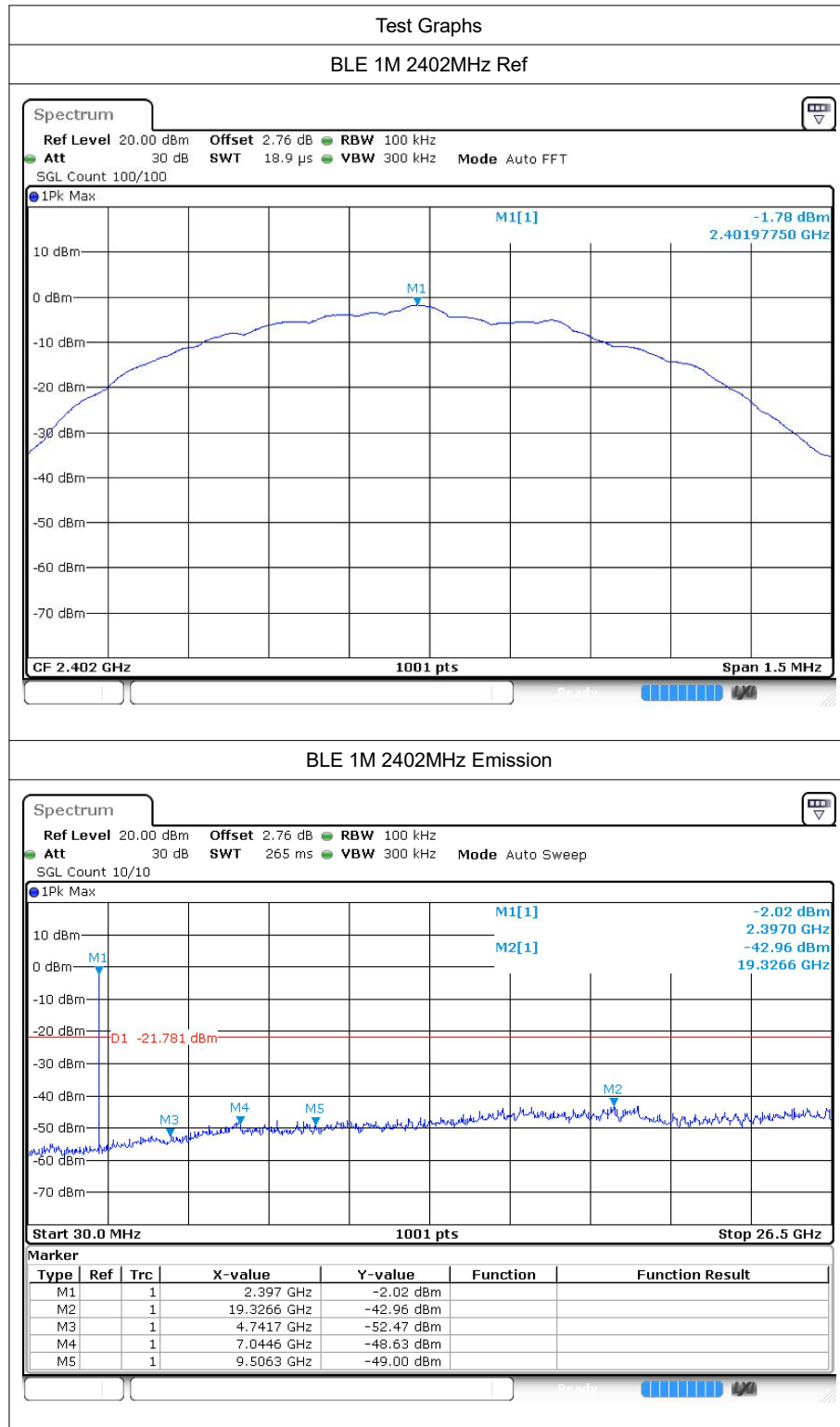


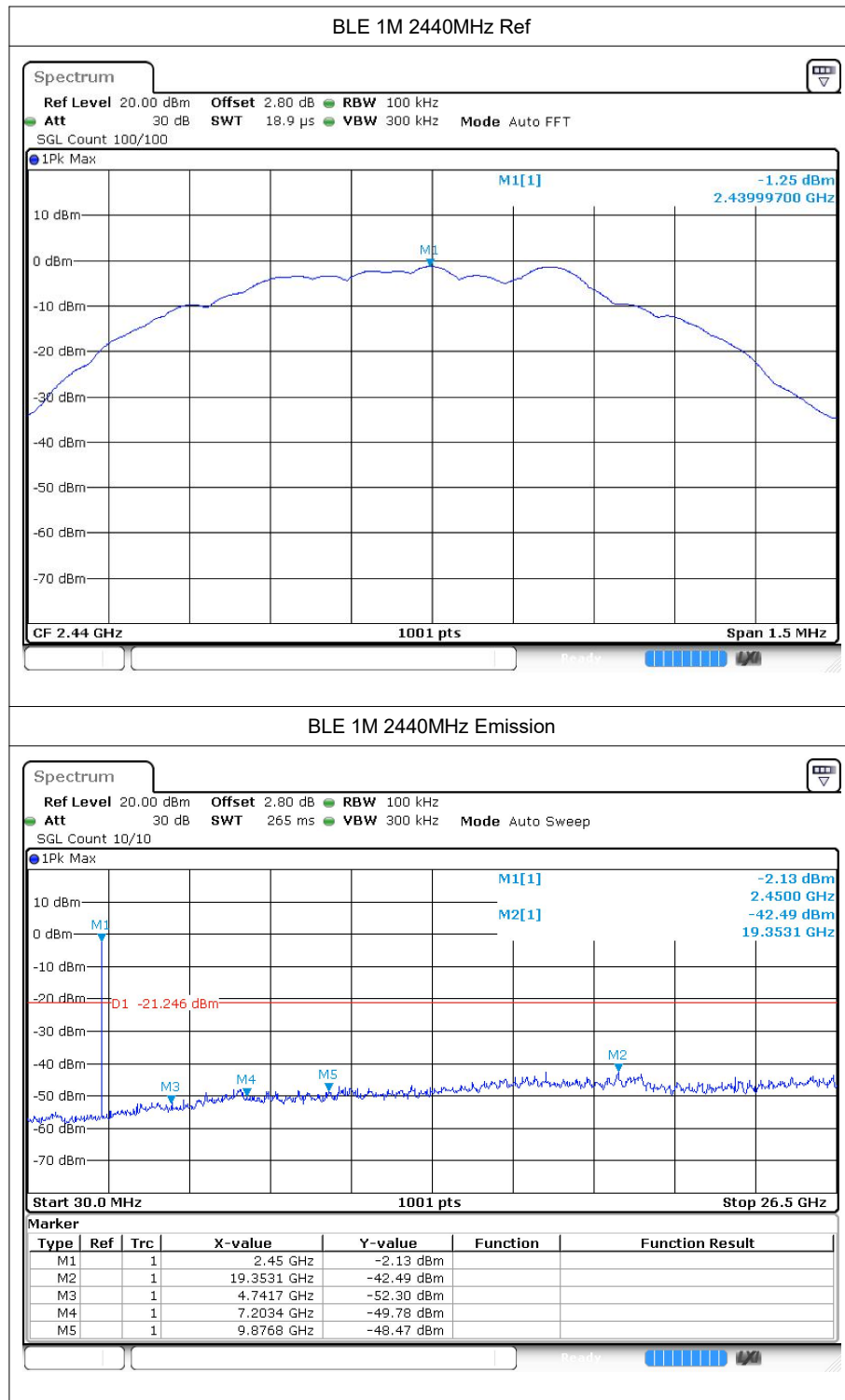
6 Conducted RF Spurious Emission

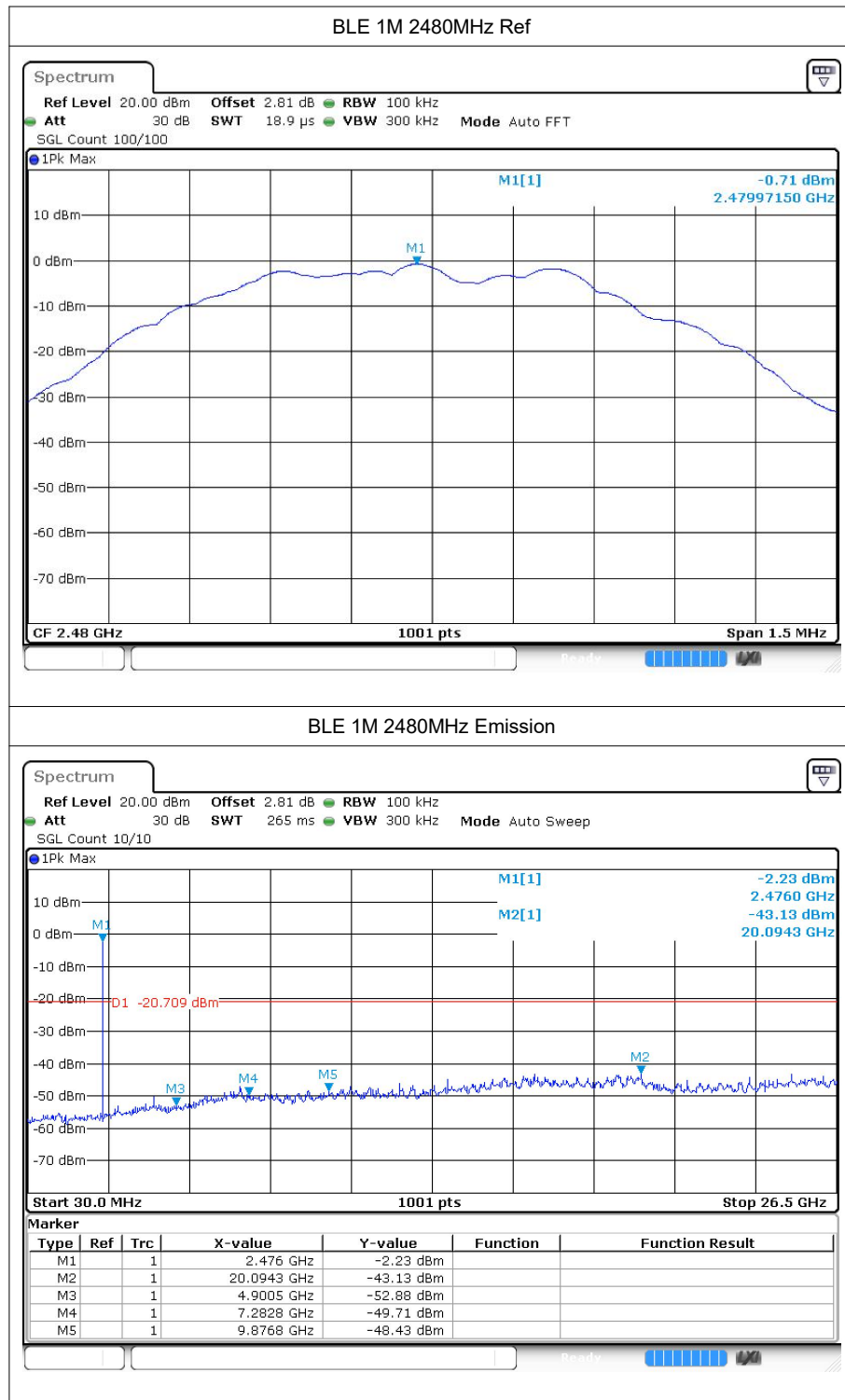
6.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-41.17	-20	Pass
BLE 1M	2440	-41.23	-20	Pass
BLE 1M	2480	-42.41	-20	Pass

6.2 Test Graphs







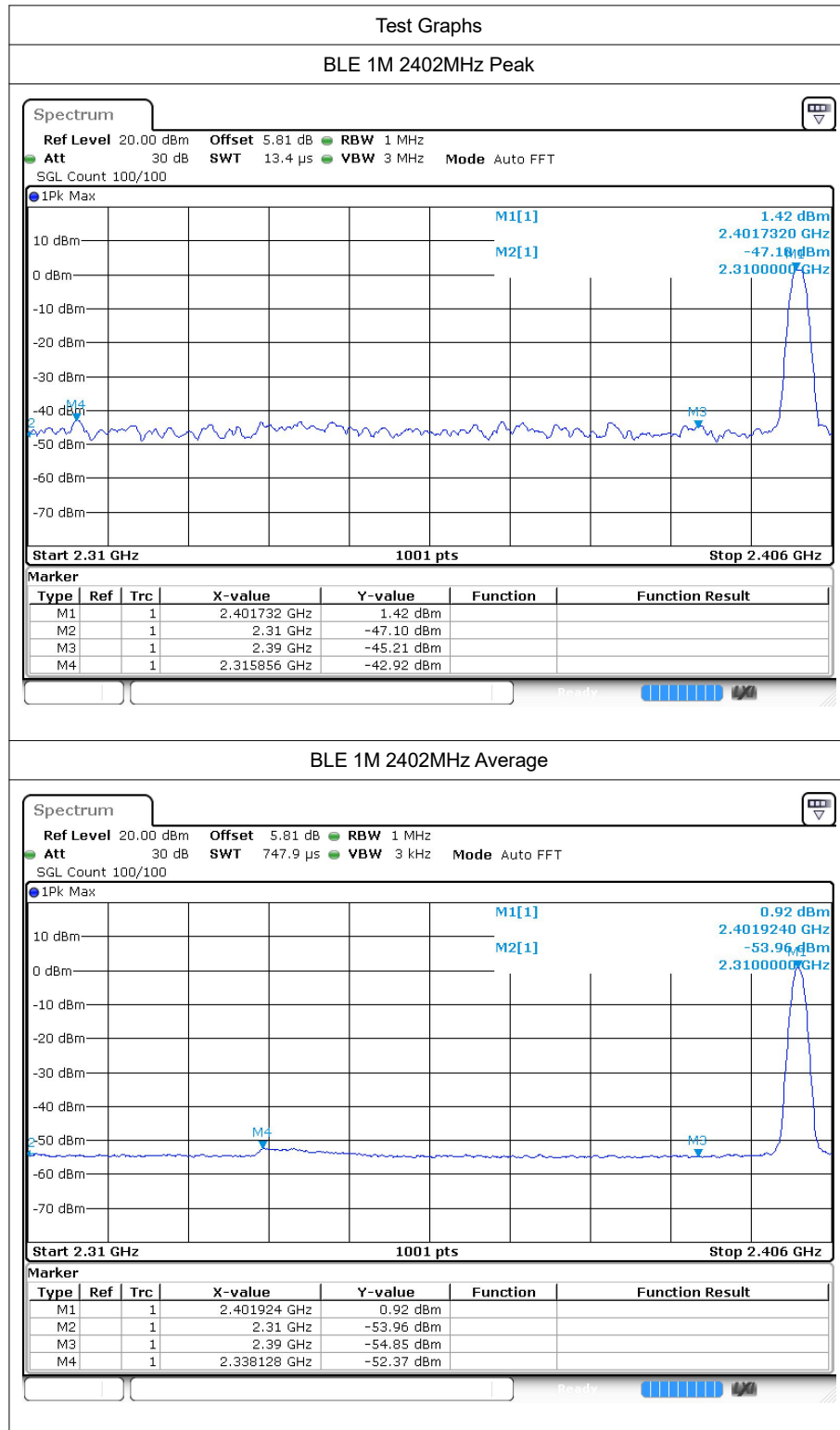


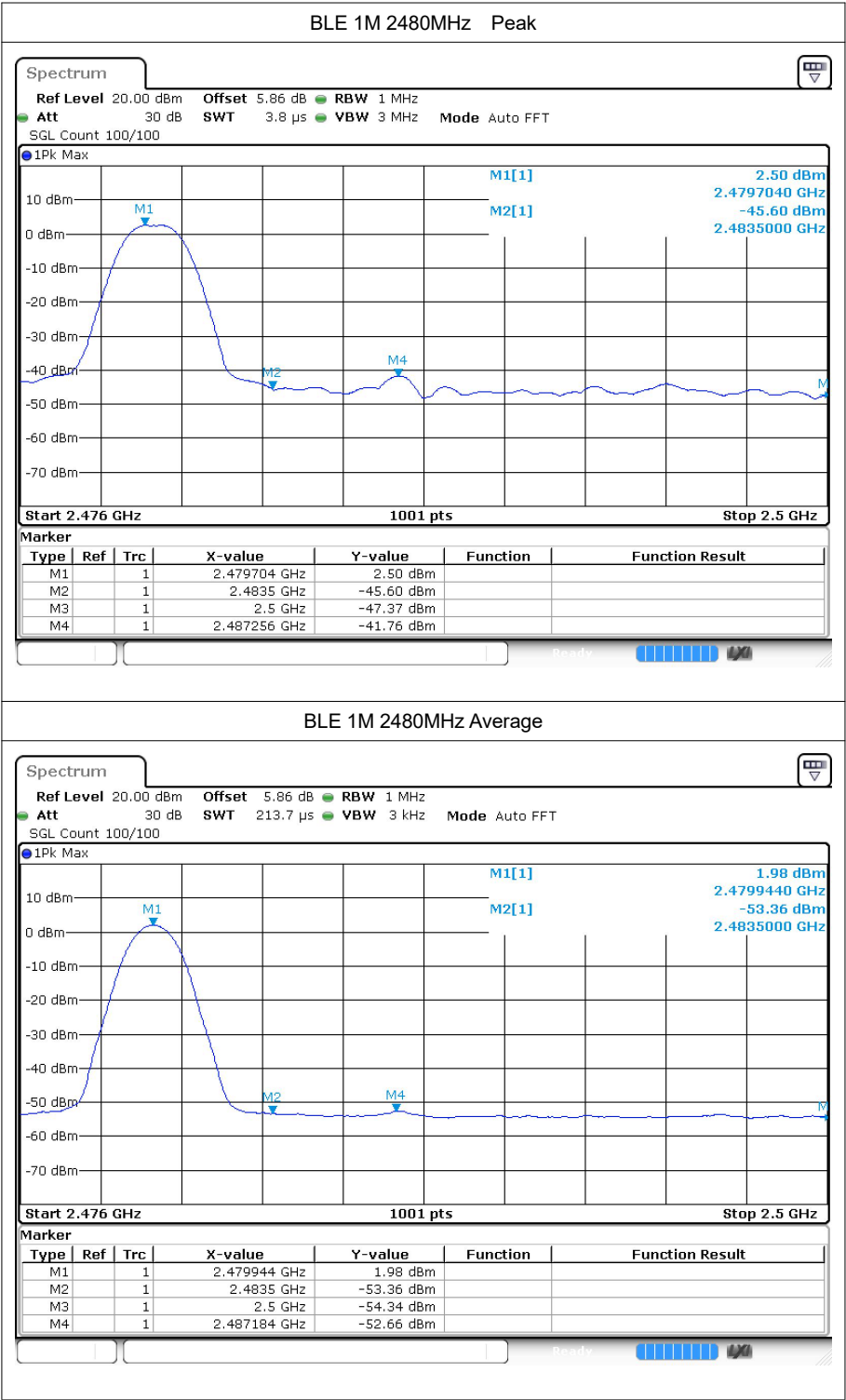
7 Restrict Band

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	-47.09	3.05	51.22	Peak	74	Pass
BLE 1M	2402	2310	-53.95	3.05	44.36	Average	54	Pass
BLE 1M	2402	2315.856	-42.91	3.05	55.4	Peak	74	Pass
BLE 1M	2402	2338.128	-52.36	3.05	45.95	Average	54	Pass
BLE 1M	2402	2390	-45.2	3.05	53.11	Peak	74	Pass
BLE 1M	2402	2390	-54.84	3.05	43.47	Average	54	Pass
BLE 1M	2480	2483.5	-45.75	3.05	52.56	Peak	74	Pass
BLE 1M	2480	2483.5	-53.36	3.05	44.95	Average	54	Pass
BLE 1M	2480	2487.256	-41.76	3.05	56.55	Peak	74	Pass
BLE 1M	2480	2487.184	-52.66	3.05	45.65	Average	54	Pass
BLE 1M	2480	2500	-47.36	3.05	50.95	Peak	74	Pass
BLE 1M	2480	2500	-54.33	3.05	43.98	Average	54	Pass

7.2 Test Graphs





---The End---