



Appendix B

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

Product Name: Trail Camera

Trade Mark: N/A

Test Model: KJK228

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Emiya lin
Supervised by:	Simba Haung



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

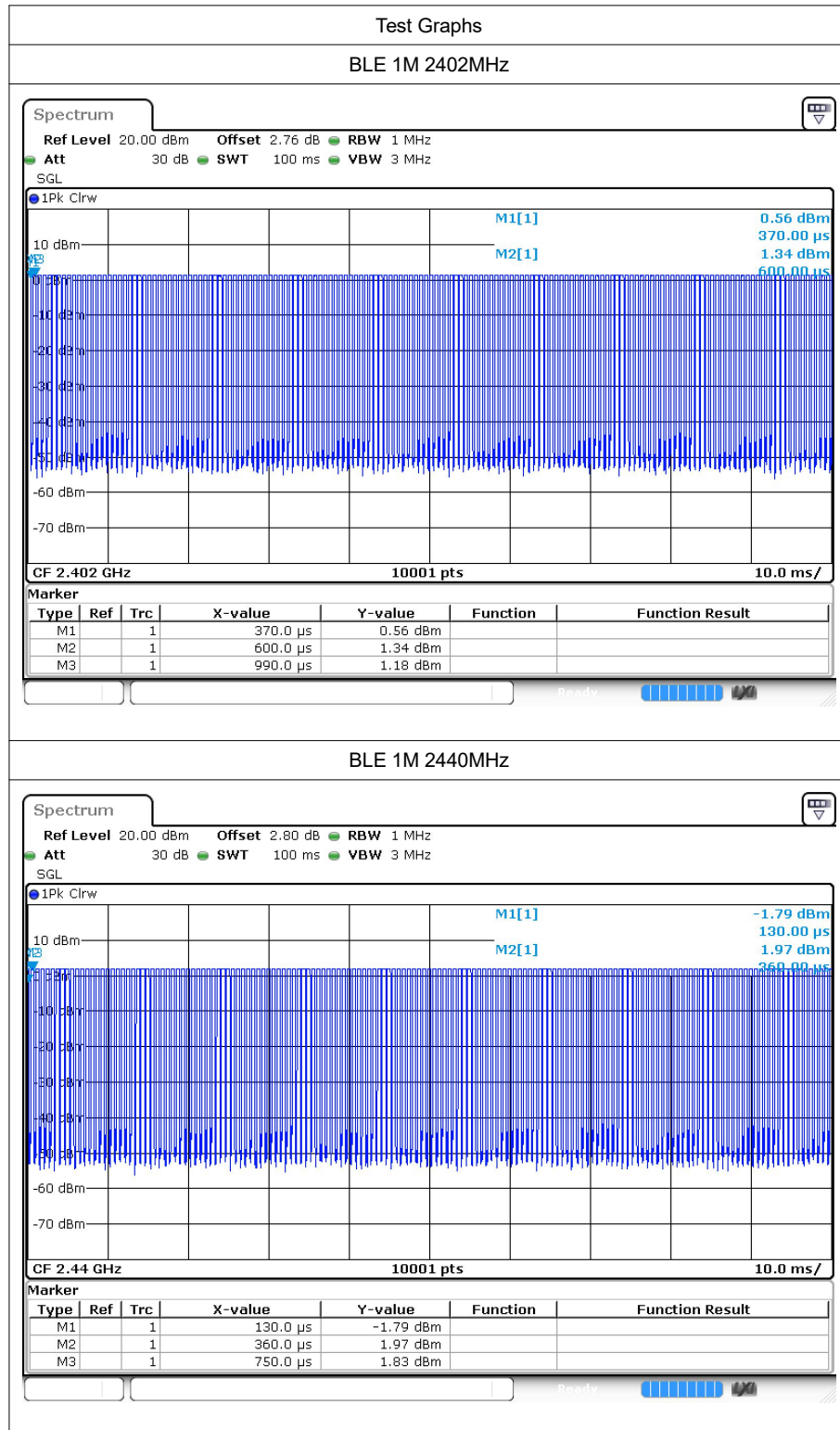


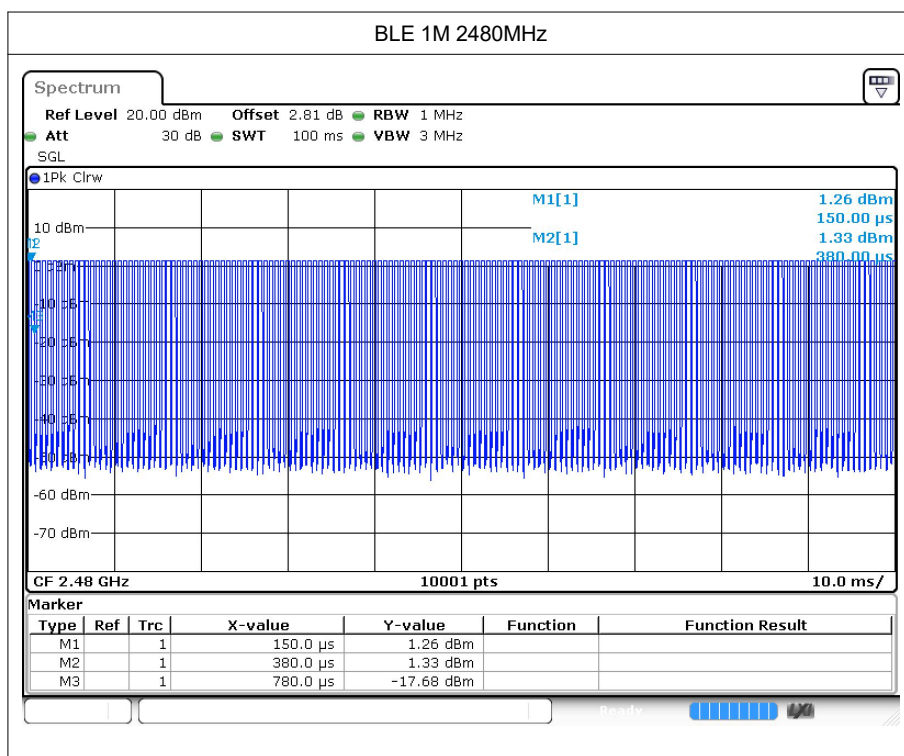
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor	1/T (kHz)
BLE 1M	2402	64	1.94	2.56
BLE 1M	2440	64.27	1.92	2.56
BLE 1M	2480	64.8	1.88	2.5

1.2 Test Graphs





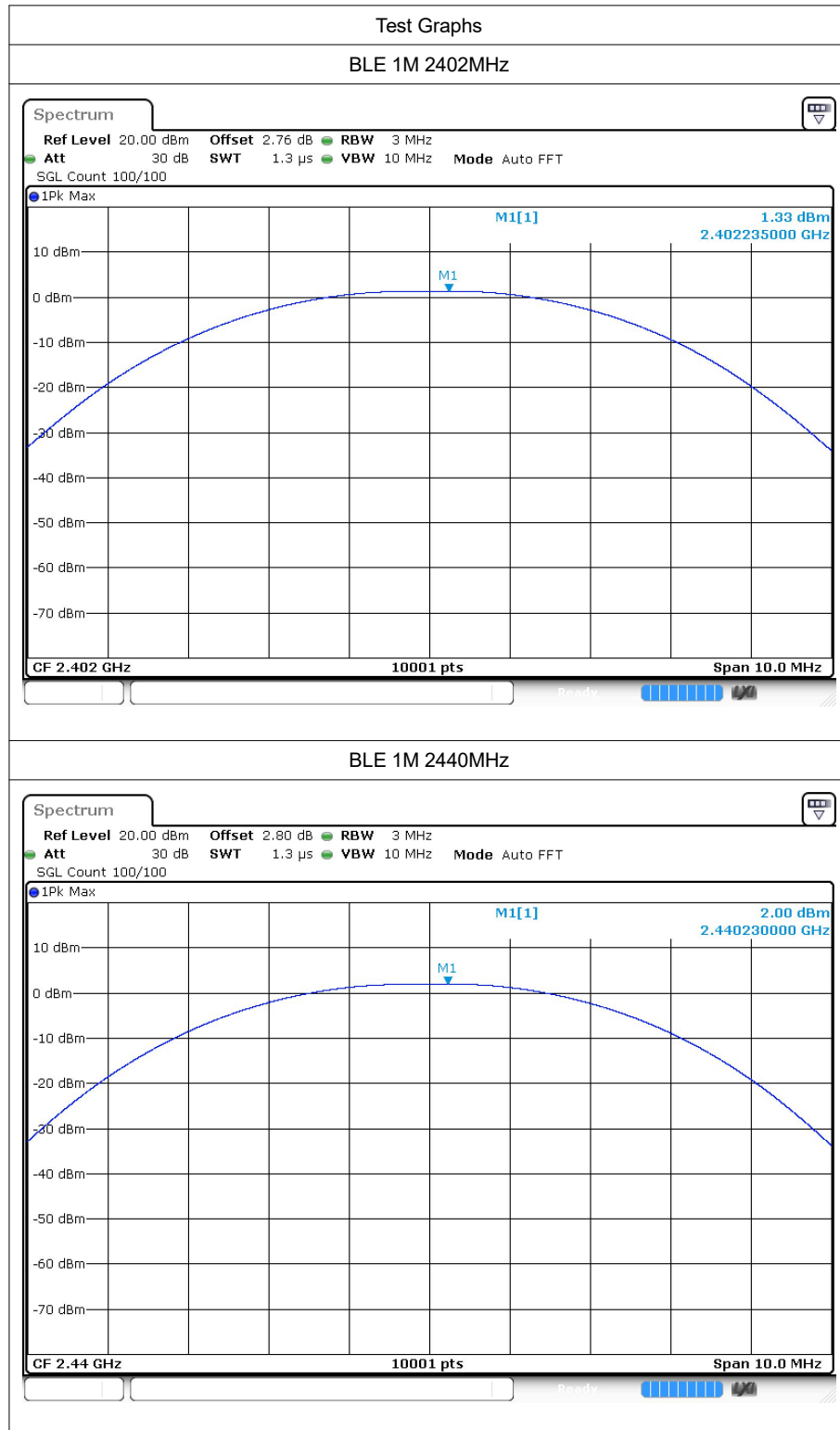


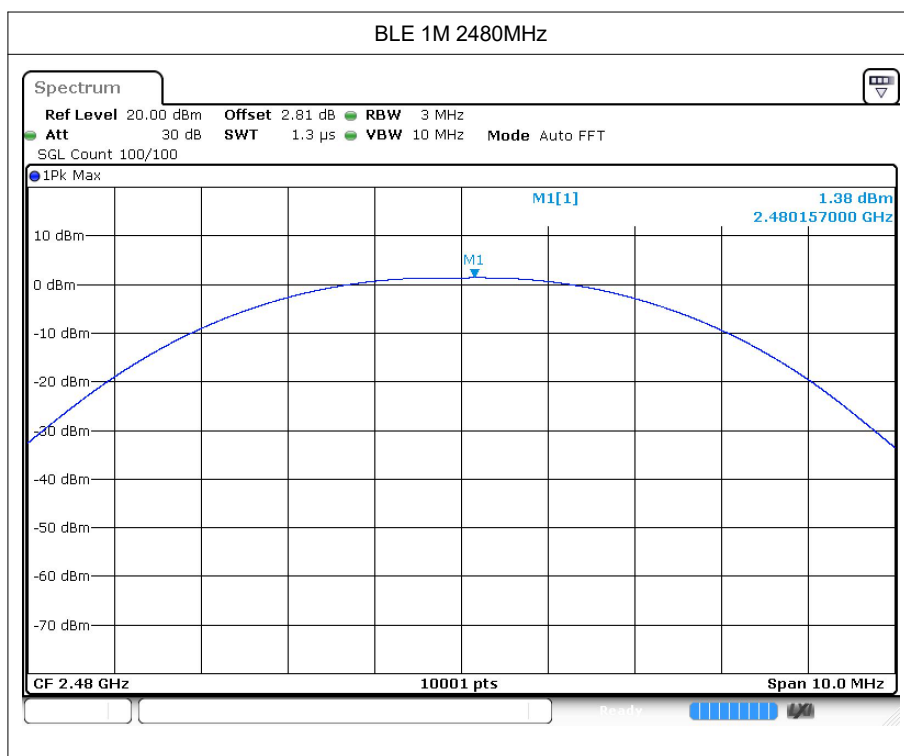
2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	1.33	30	Pass
BLE 1M	2440	2	30	Pass
BLE 1M	2480	1.38	30	Pass

2.2 Test Graphs





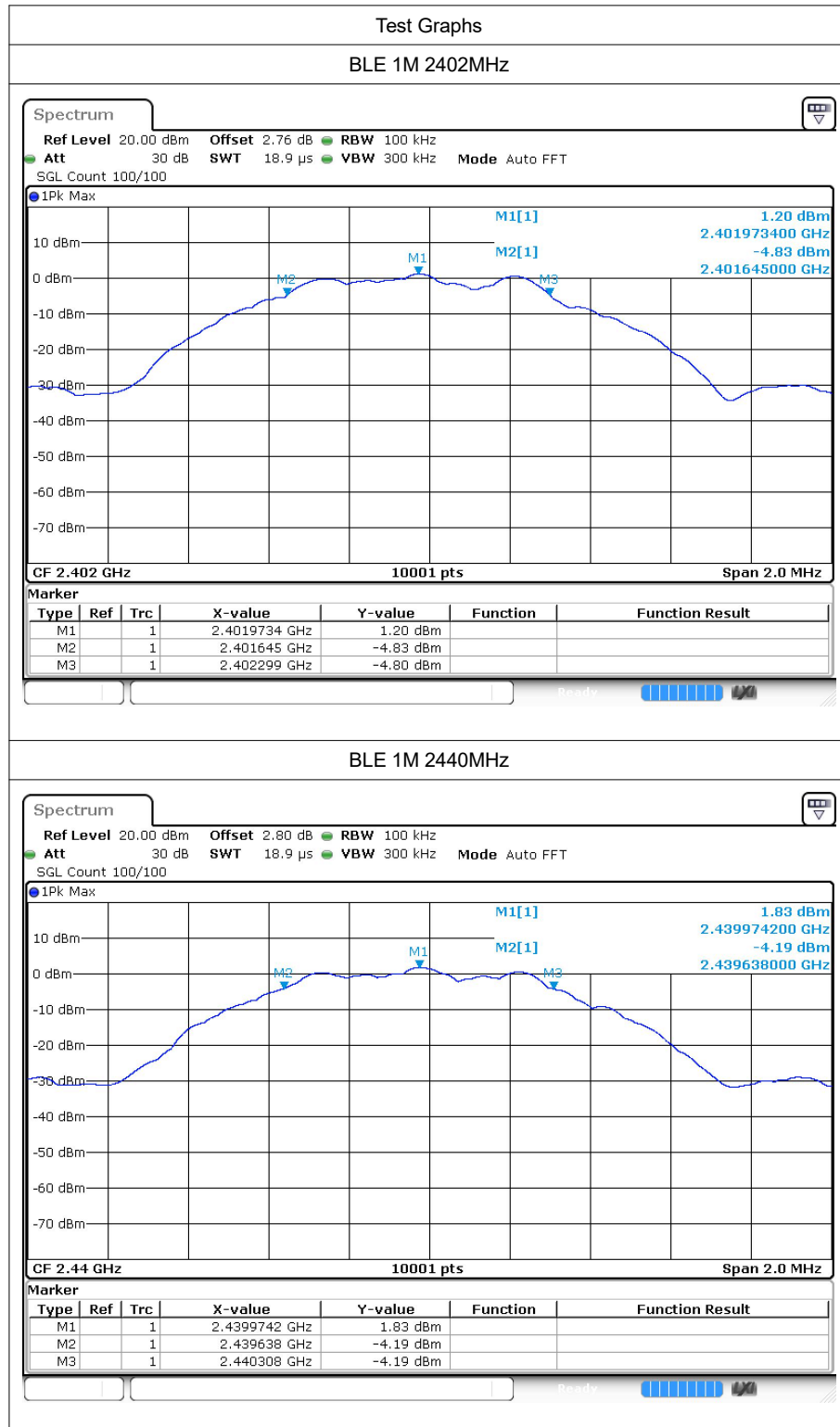


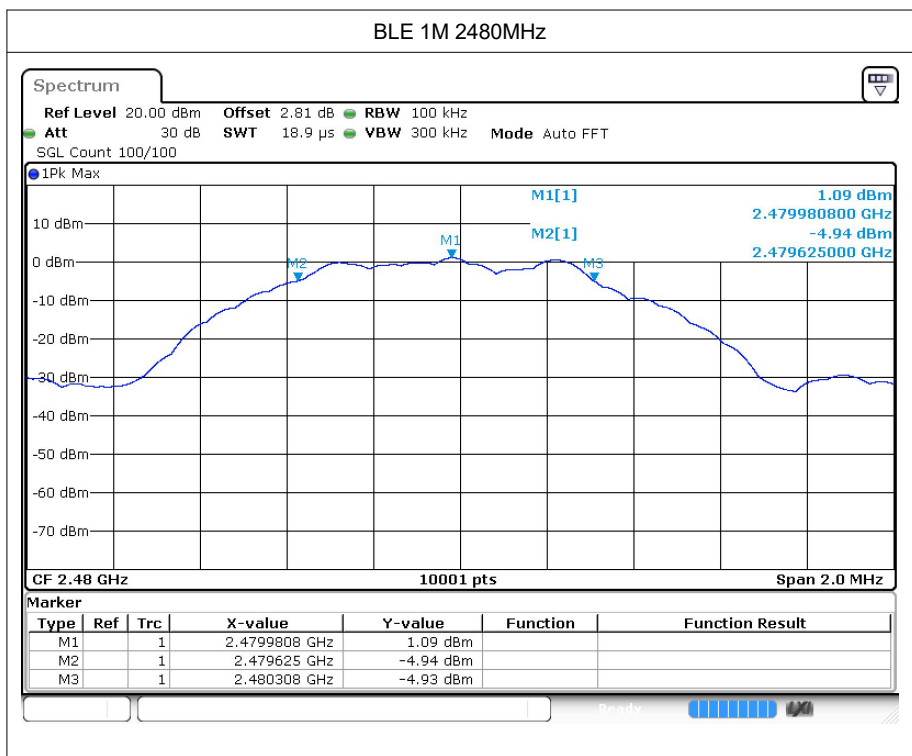
3 -6dB Bandwidth

3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.654	0.5	Pass
BLE 1M	2440	0.67	0.5	Pass
BLE 1M	2480	0.682	0.5	Pass

3.2 Test Graphs



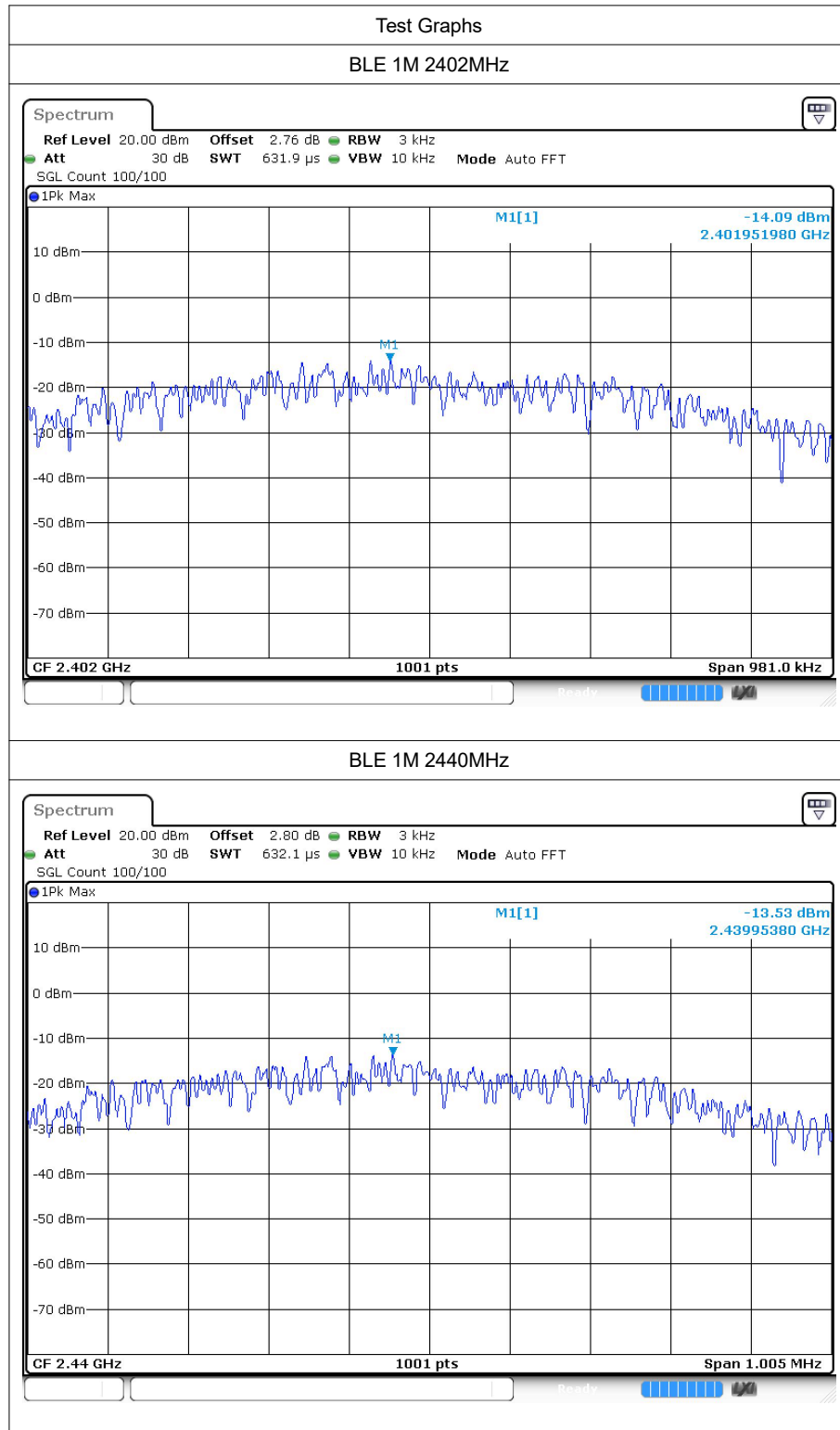


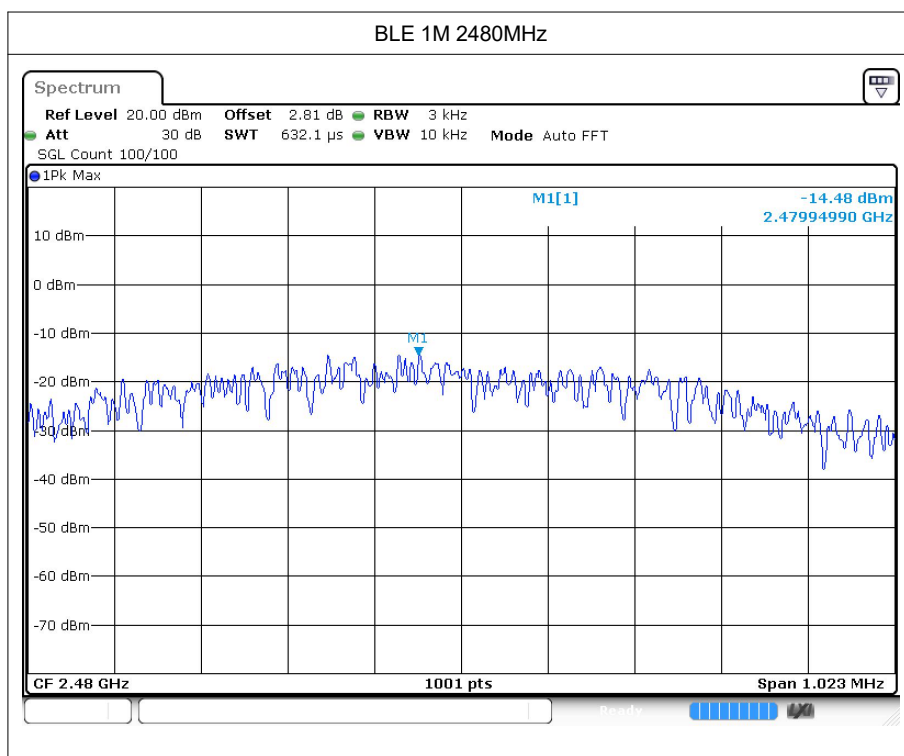
4 Maximum Power Spectral Density Level

4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-14.09	≤ 8	Pass
BLE 1M	2440	-13.53	≤ 8	Pass
BLE 1M	2480	-14.48	≤ 8	Pass

4.2 Test Graphs





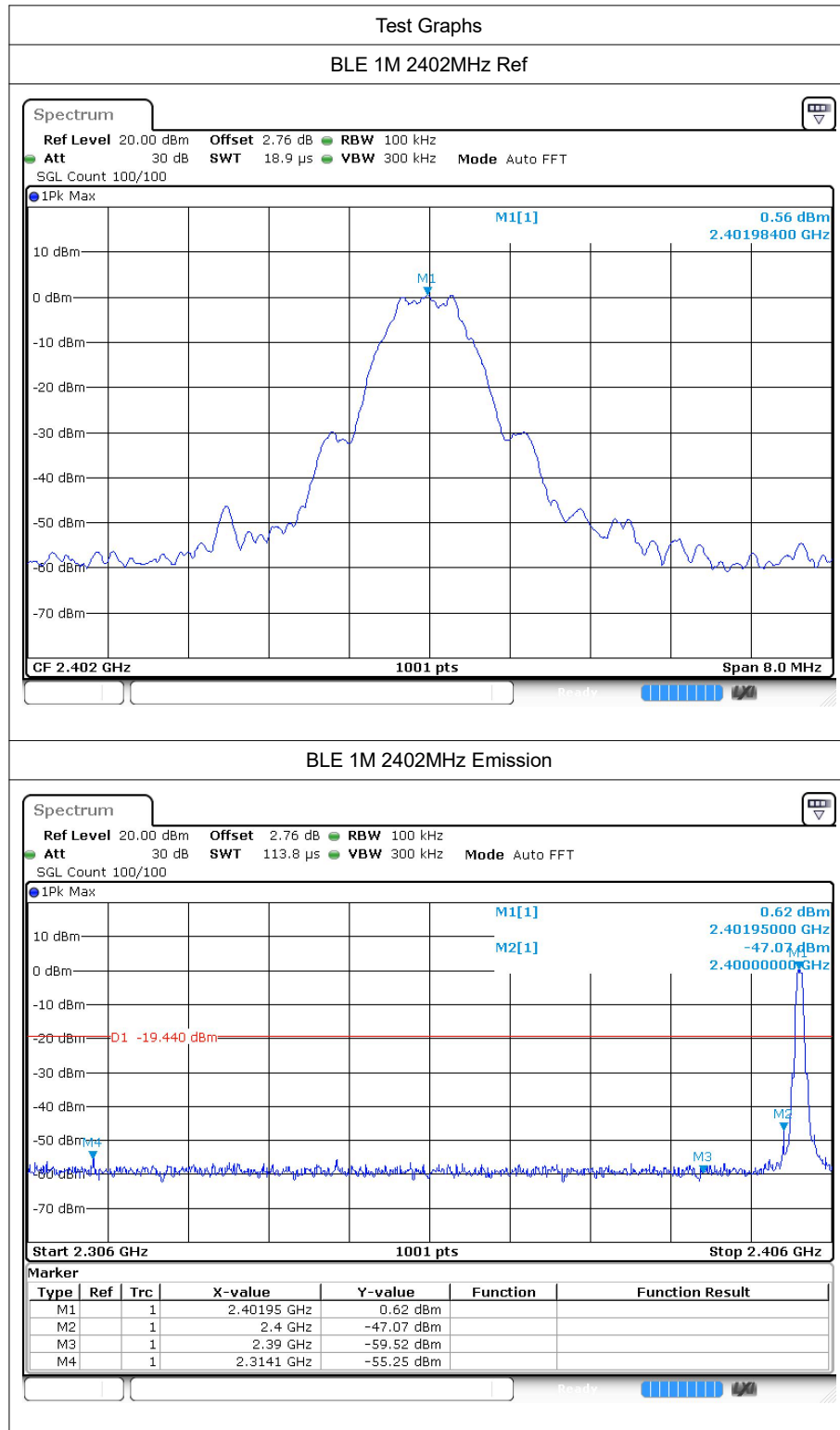


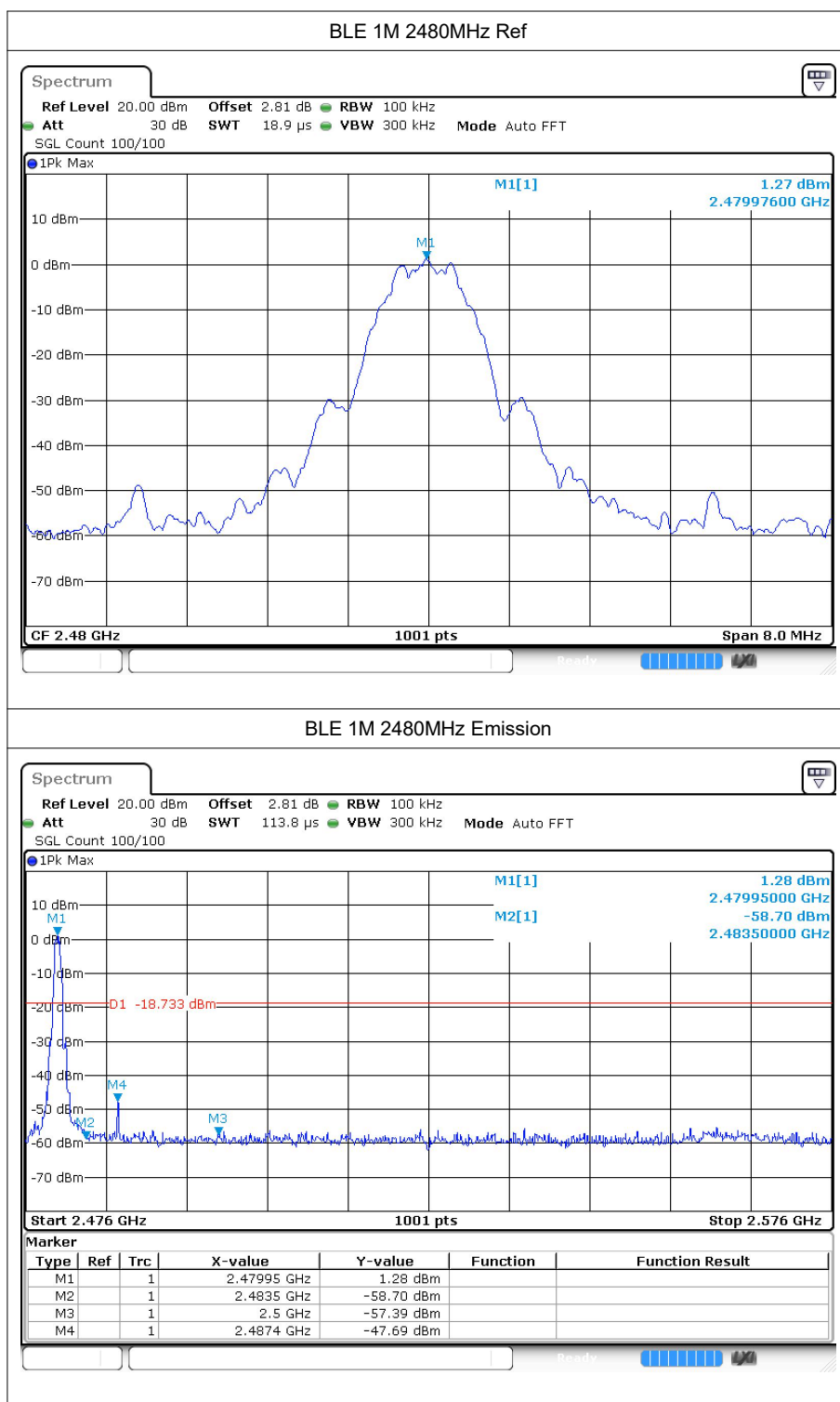
5 Band Edge

5.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-55.81	-20	Pass
BLE 1M	2480	-48.96	-20	Pass

5.2 Test Graphs



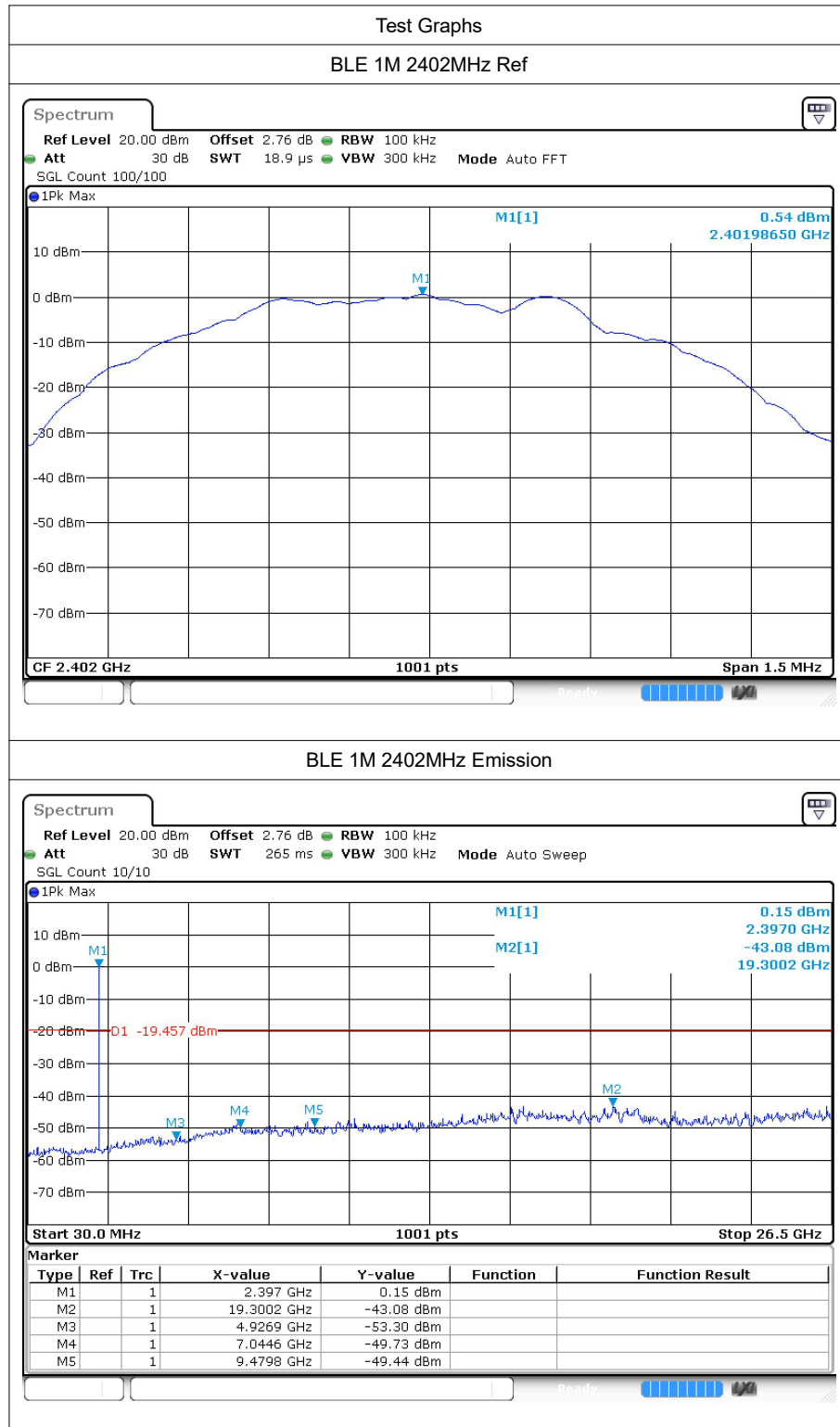


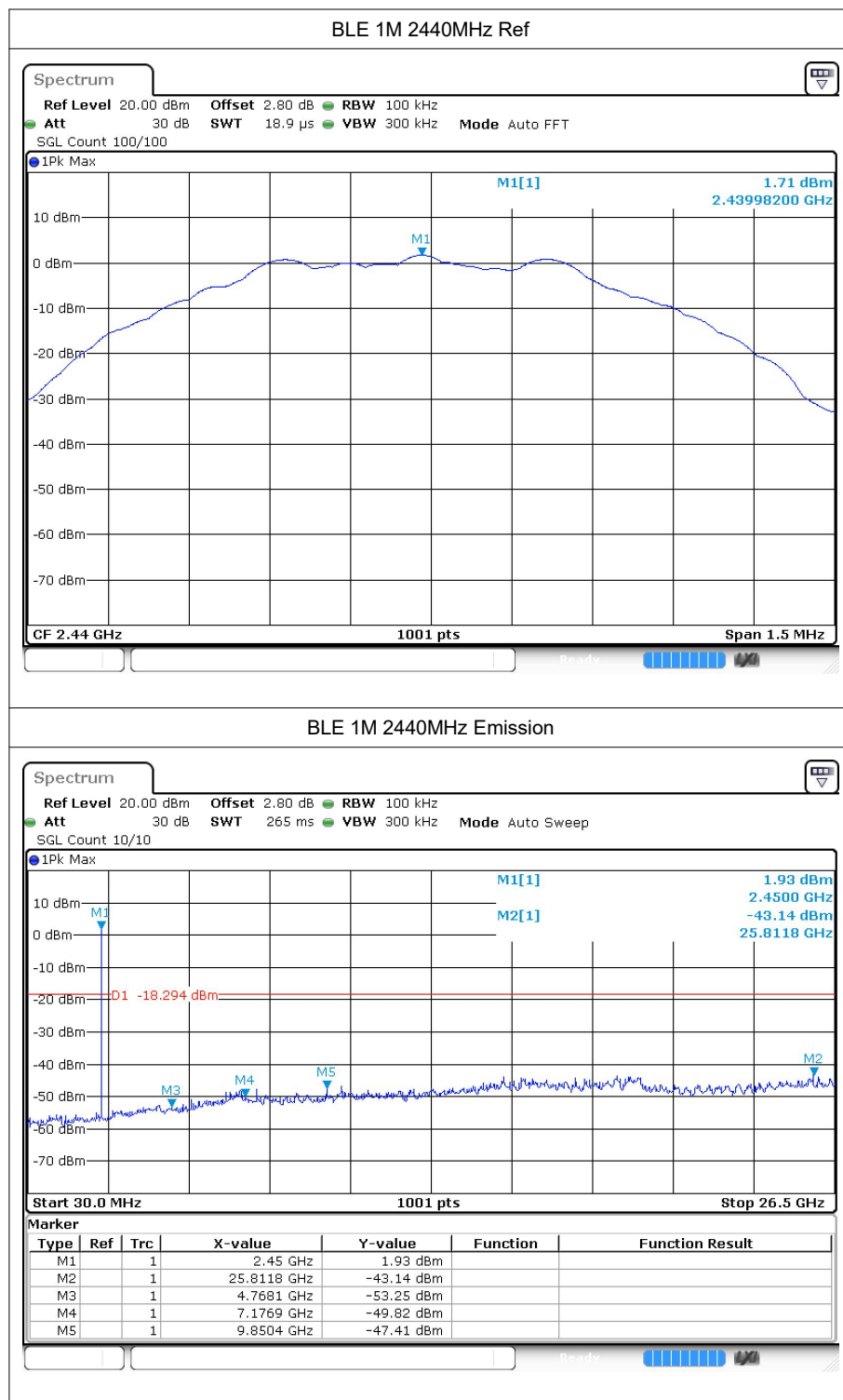
6 Conducted RF Spurious Emission

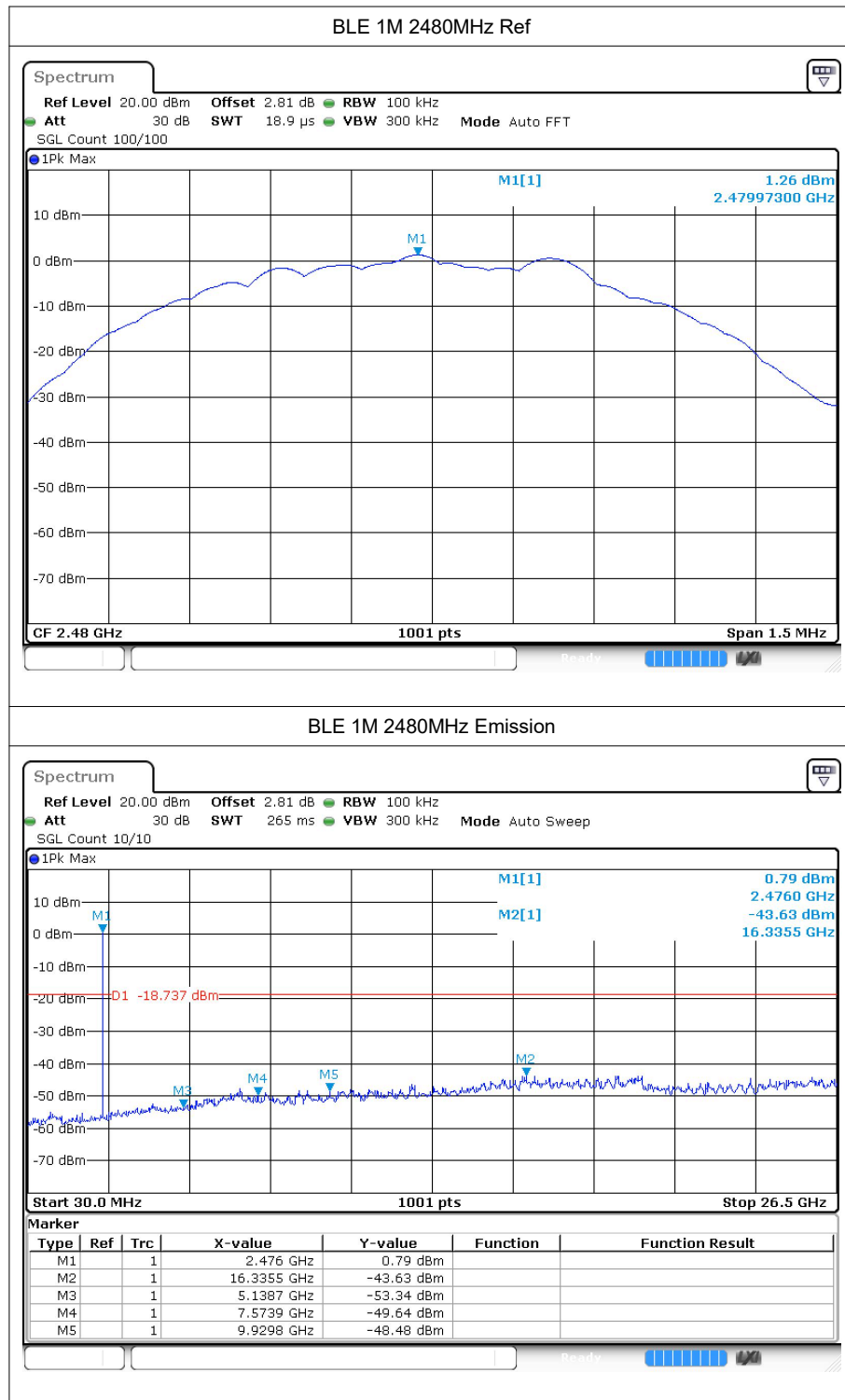
6.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-43.62	-20	Pass
BLE 1M	2440	-44.85	-20	Pass
BLE 1M	2480	-44.89	-20	Pass

6.2 Test Graphs







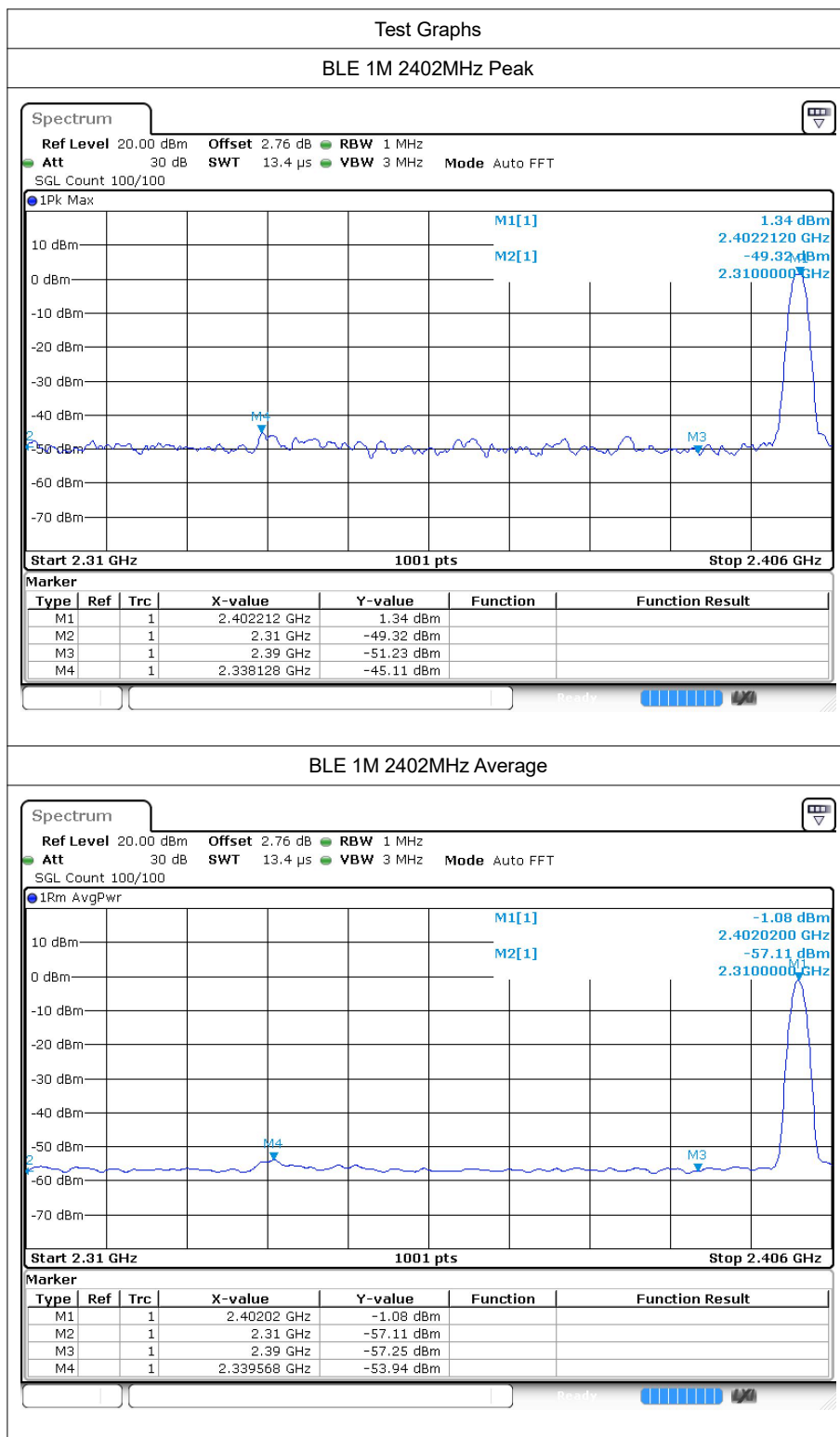


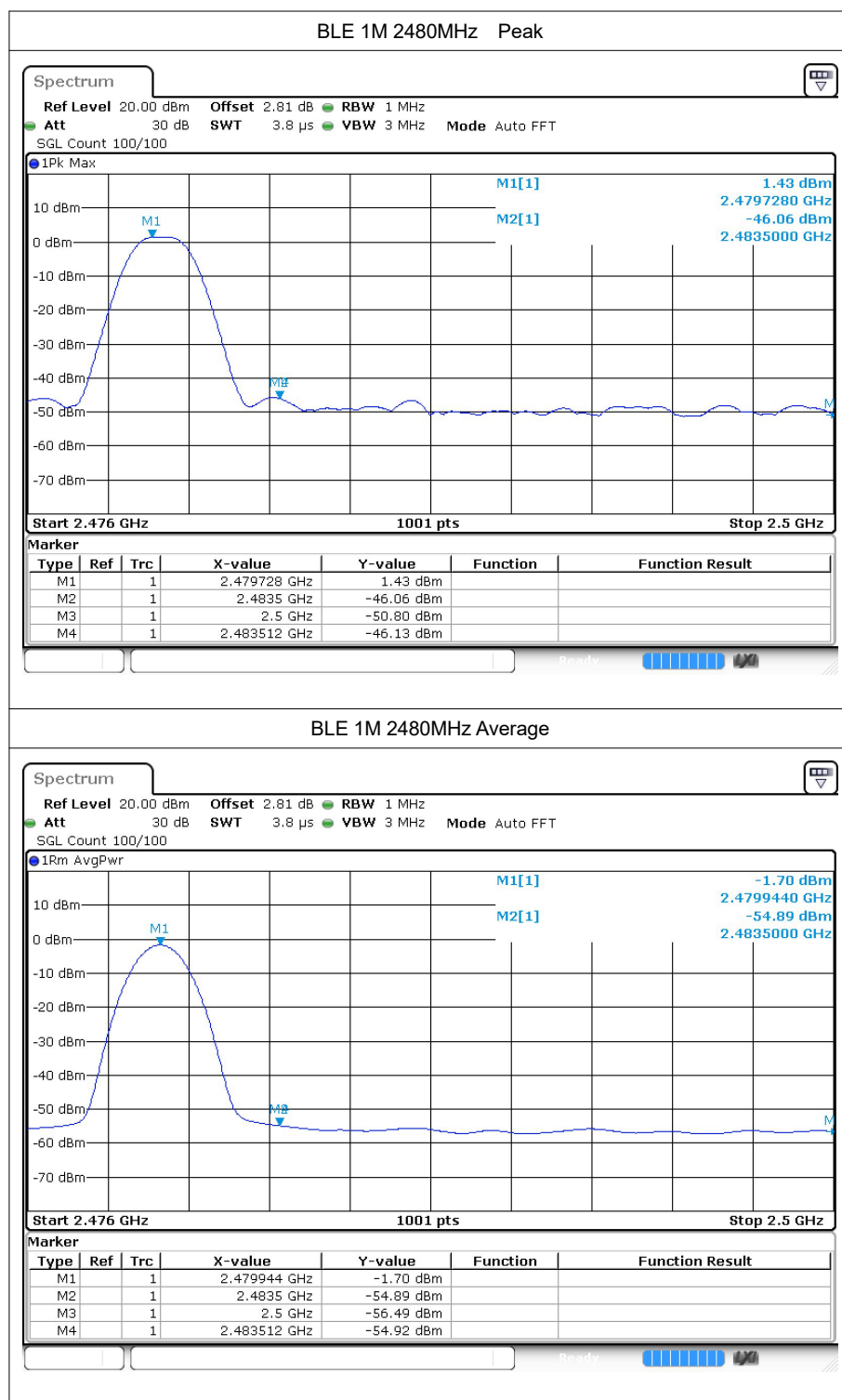
7 Restrict Band

7.1 Test Result

Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
BLE 1M	2402	2310	-49.32	2	-	47.94	Peak	74	Pass
BLE 1M	2402	2310	-57.11	2	1.94	42.09	Average	54	Pass
BLE 1M	2402	2338.128	-45.11	2	-	52.15	Peak	74	Pass
BLE 1M	2402	2339.568	-53.93	2	1.94	45.27	Average	54	Pass
BLE 1M	2402	2390	-51.23	2	-	46.03	Peak	74	Pass
BLE 1M	2402	2390	-57.25	2	1.94	41.95	Average	54	Pass
BLE 1M	2480	2483.5	-46.06	2	-	51.2	Peak	74	Pass
BLE 1M	2480	2483.5	-54.89	2	1.88	44.25	Average	54	Pass
BLE 1M	2480	2483.512	-46.12	2	-	51.14	Peak	74	Pass
BLE 1M	2480	2483.512	-54.91	2	1.88	44.23	Average	54	Pass
BLE 1M	2480	2500	-50.8	2	-	46.46	Peak	74	Pass
BLE 1M	2480	2500	-56.49	2	1.88	42.65	Average	54	Pass

7.2 Test Graphs





---The End---