



Appendix B

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

Product Name: seesky clarus

Trade Mark: Seesky Clarus

Test Model: sky one

Environmental Conditions

Temperature:	24.9° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Emiya Lin
Supervised by:	Simba Huang



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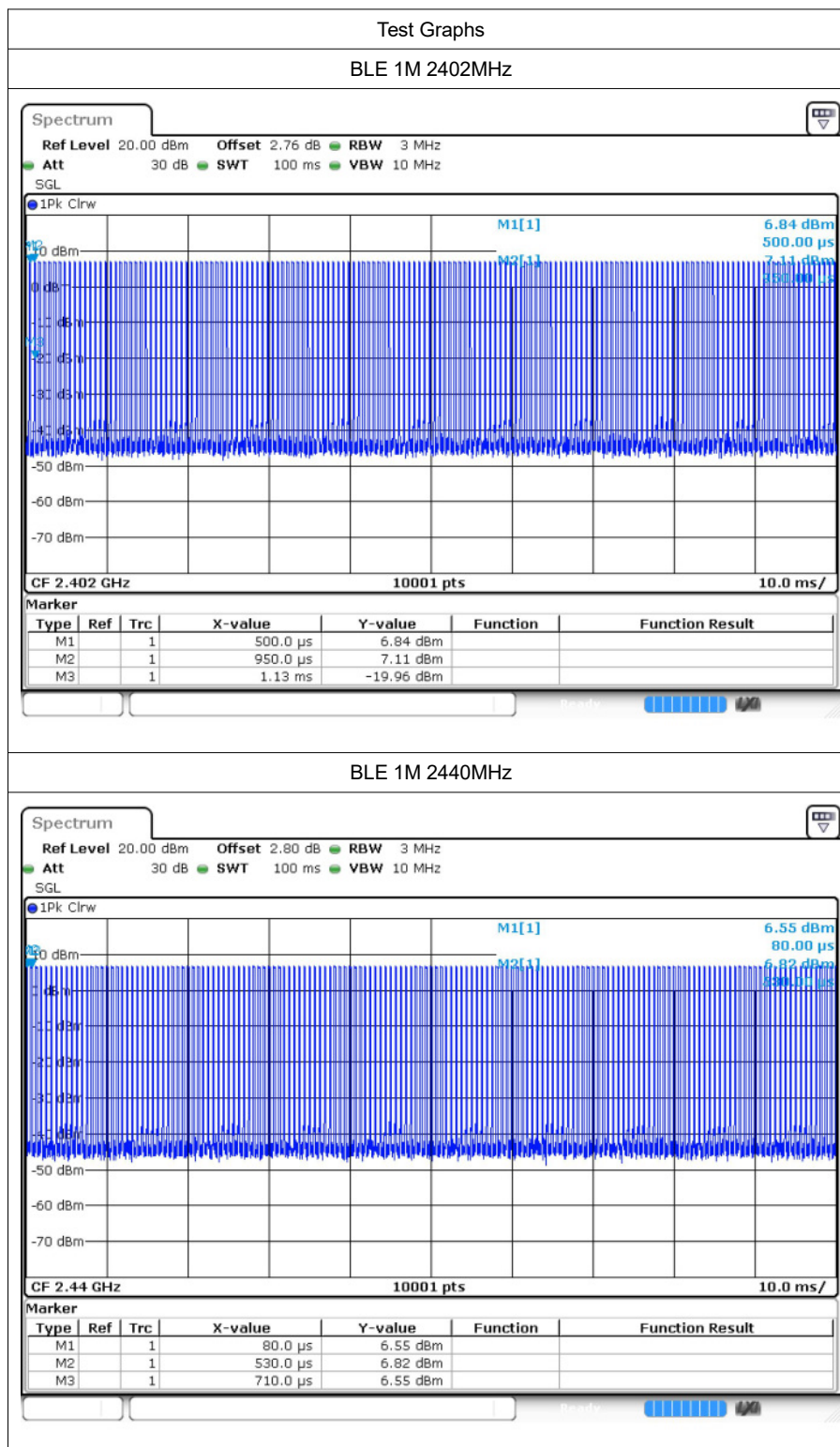


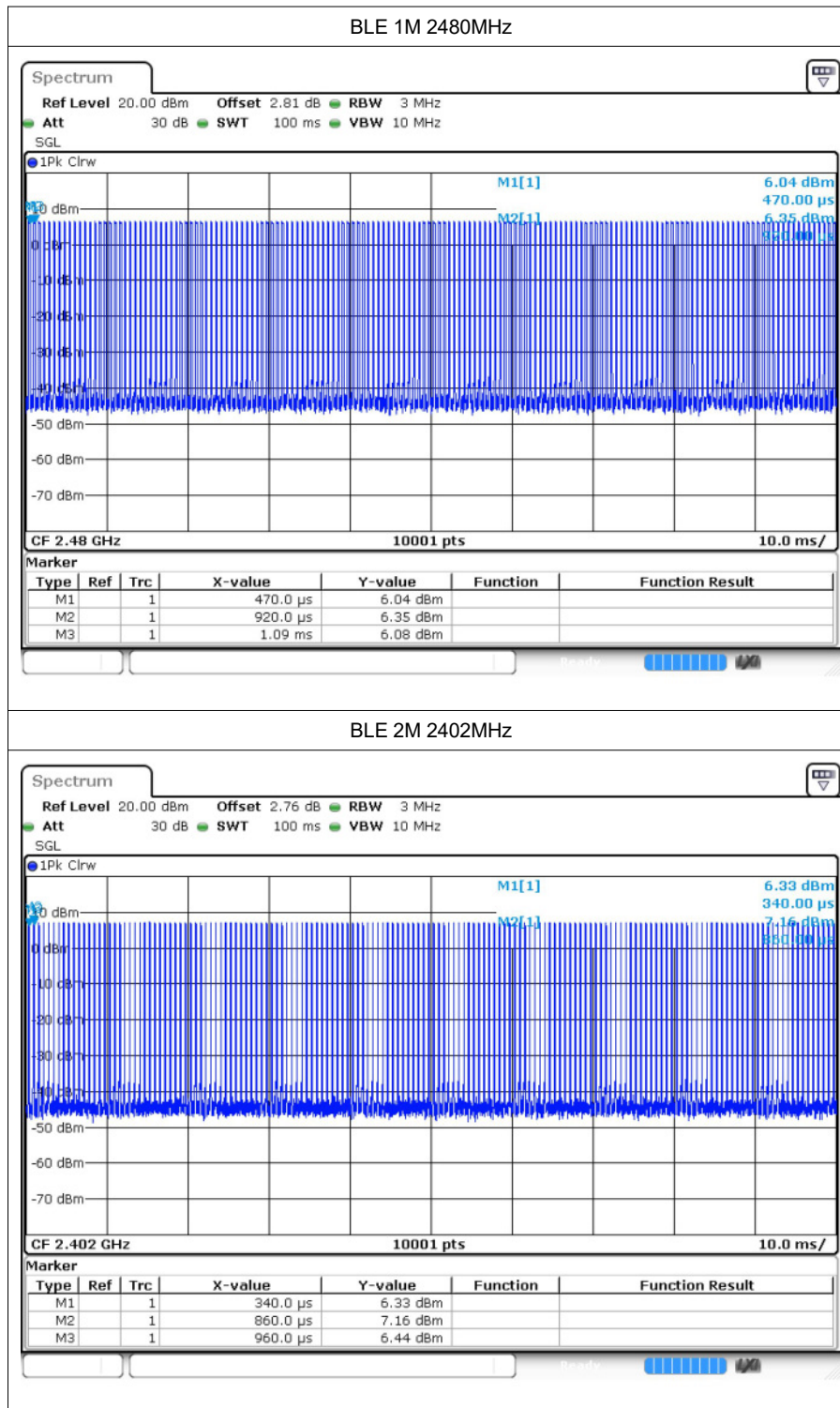
1 Duty Cycle

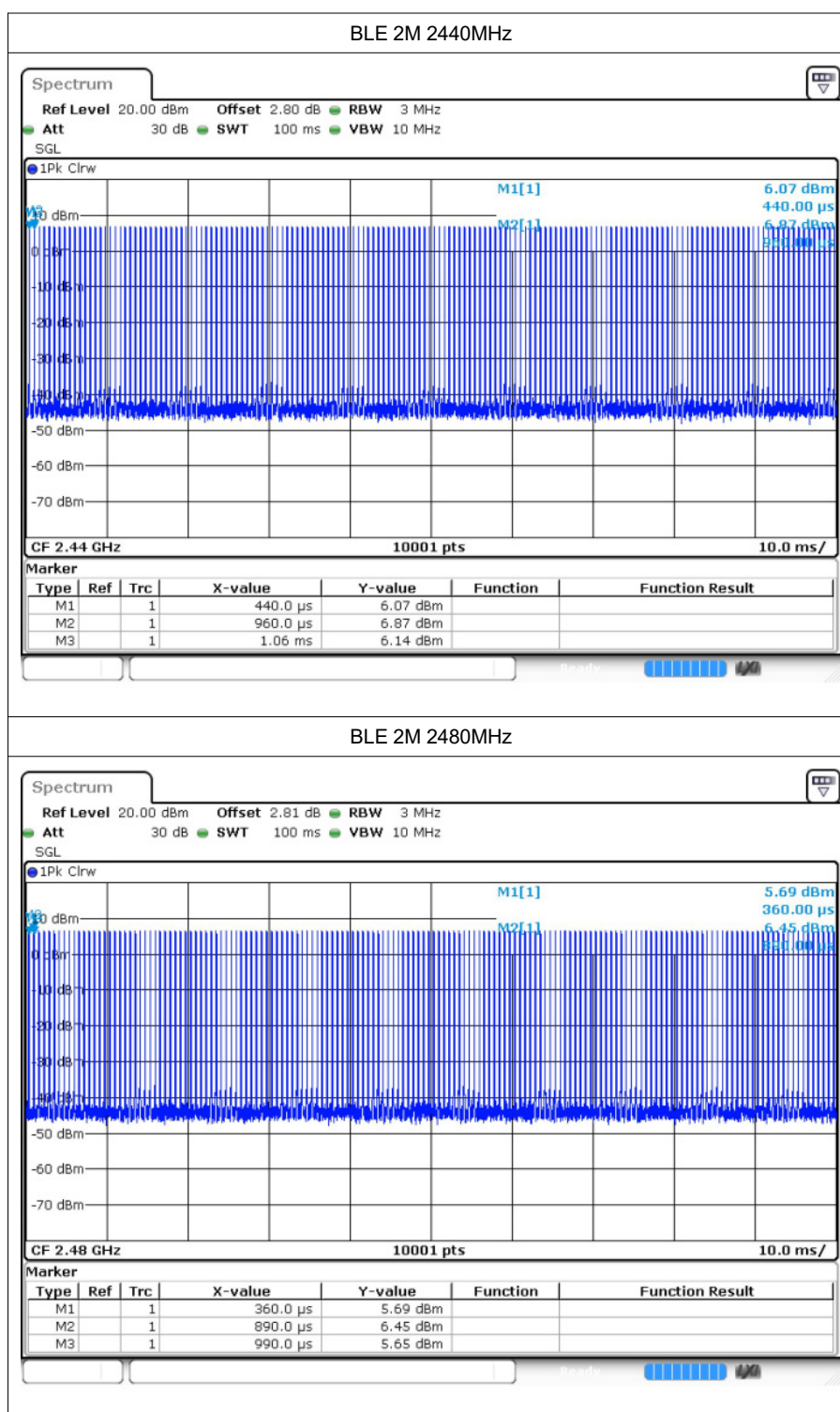
1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor	1/T (kHz)
BLE 1M	2402	30.4	5.17	5.56
BLE 1M	2440	29.61	5.29	5.56
BLE 1M	2480	29.6	5.29	5.88
BLE 2M	2402	17.6	7.55	10
BLE 2M	2440	17.6	7.55	10
BLE 2M	2480	17.6	7.55	10

1.2 Test Graphs







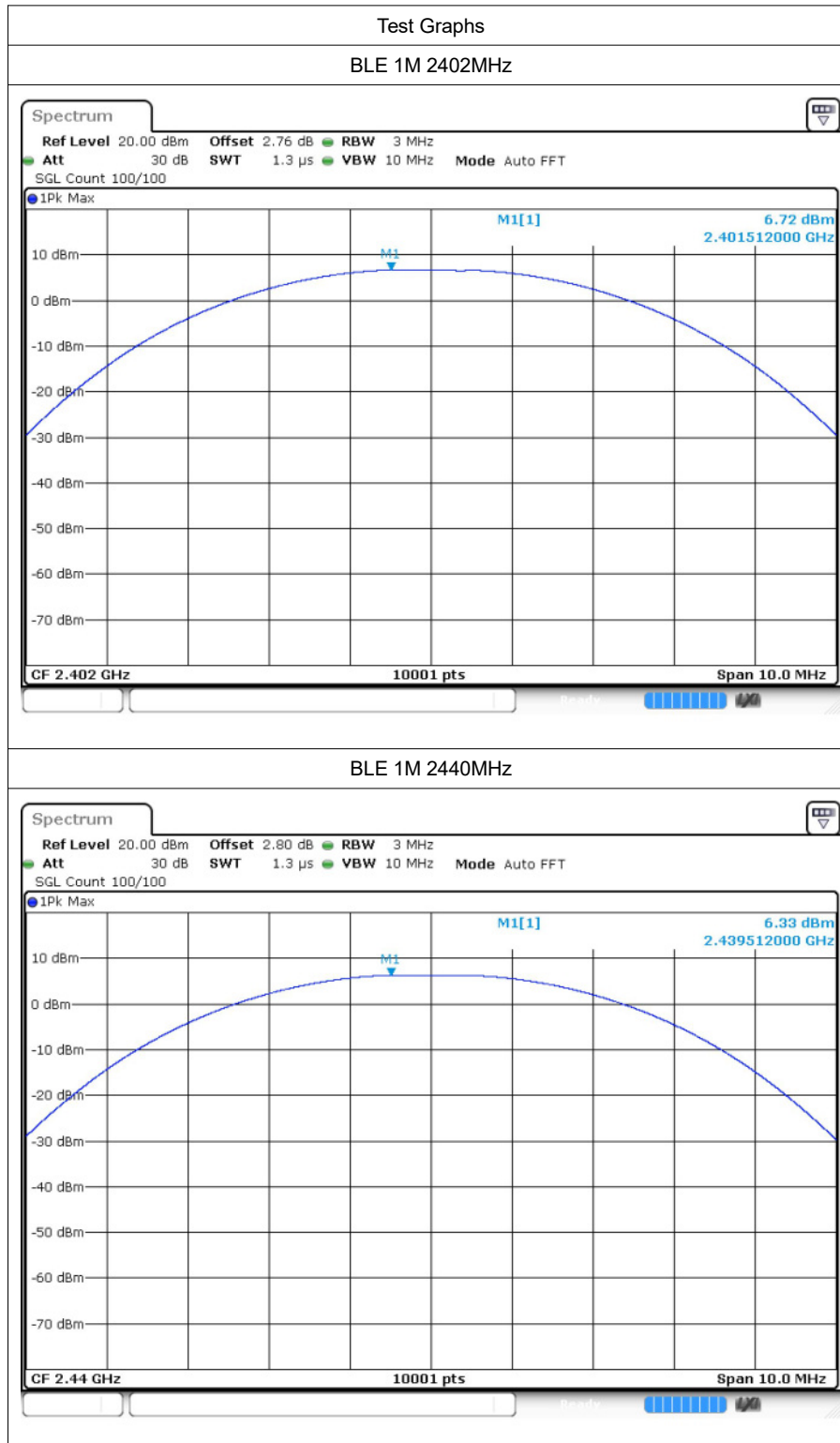


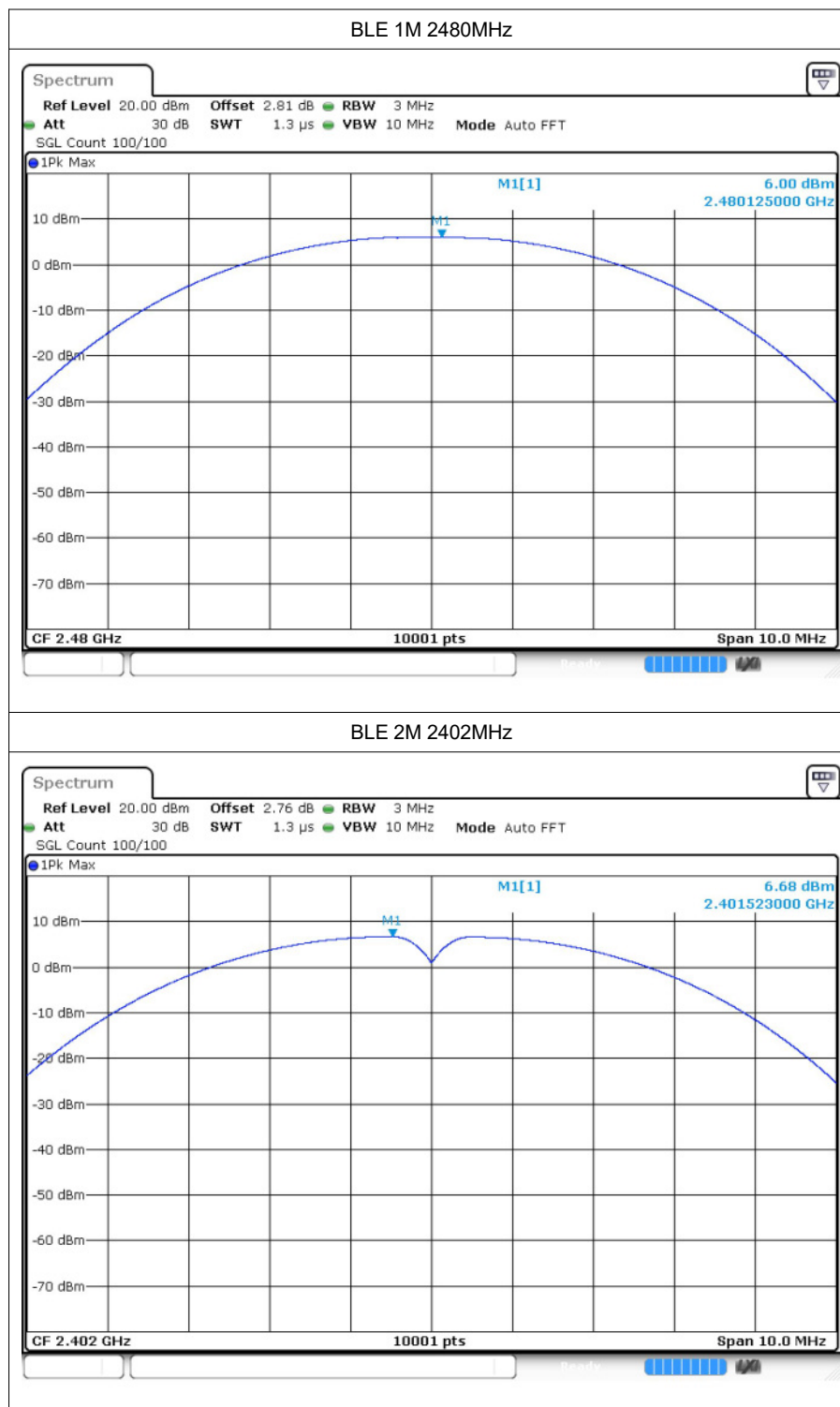
2 Maximum Conducted Output Power

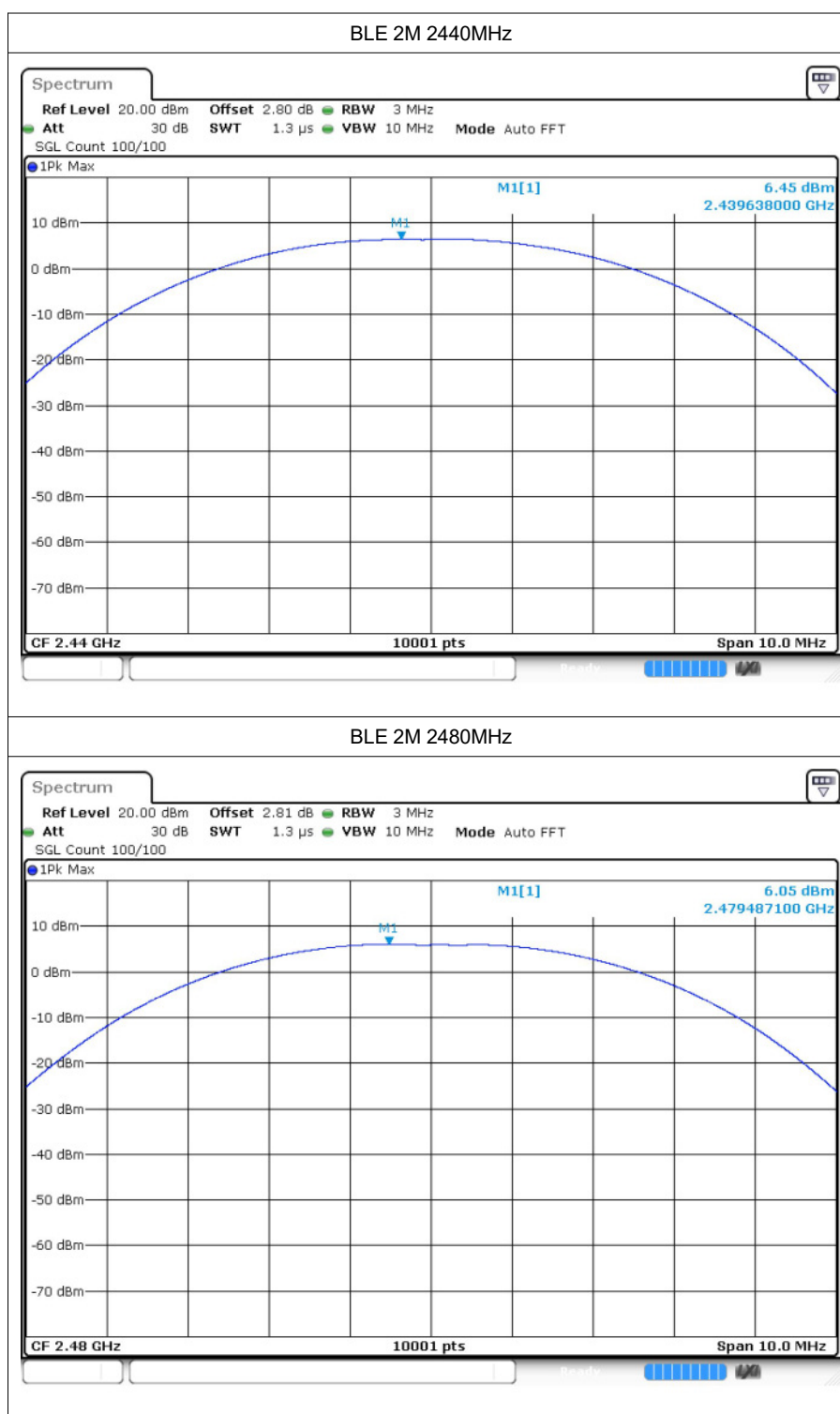
2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	6.72	30	Pass
BLE 1M	2440	6.33	30	Pass
BLE 1M	2480	6	30	Pass
BLE 2M	2402	6.68	30	Pass
BLE 2M	2440	6.45	30	Pass
BLE 2M	2480	6.05	30	Pass

2.2 Test Graphs







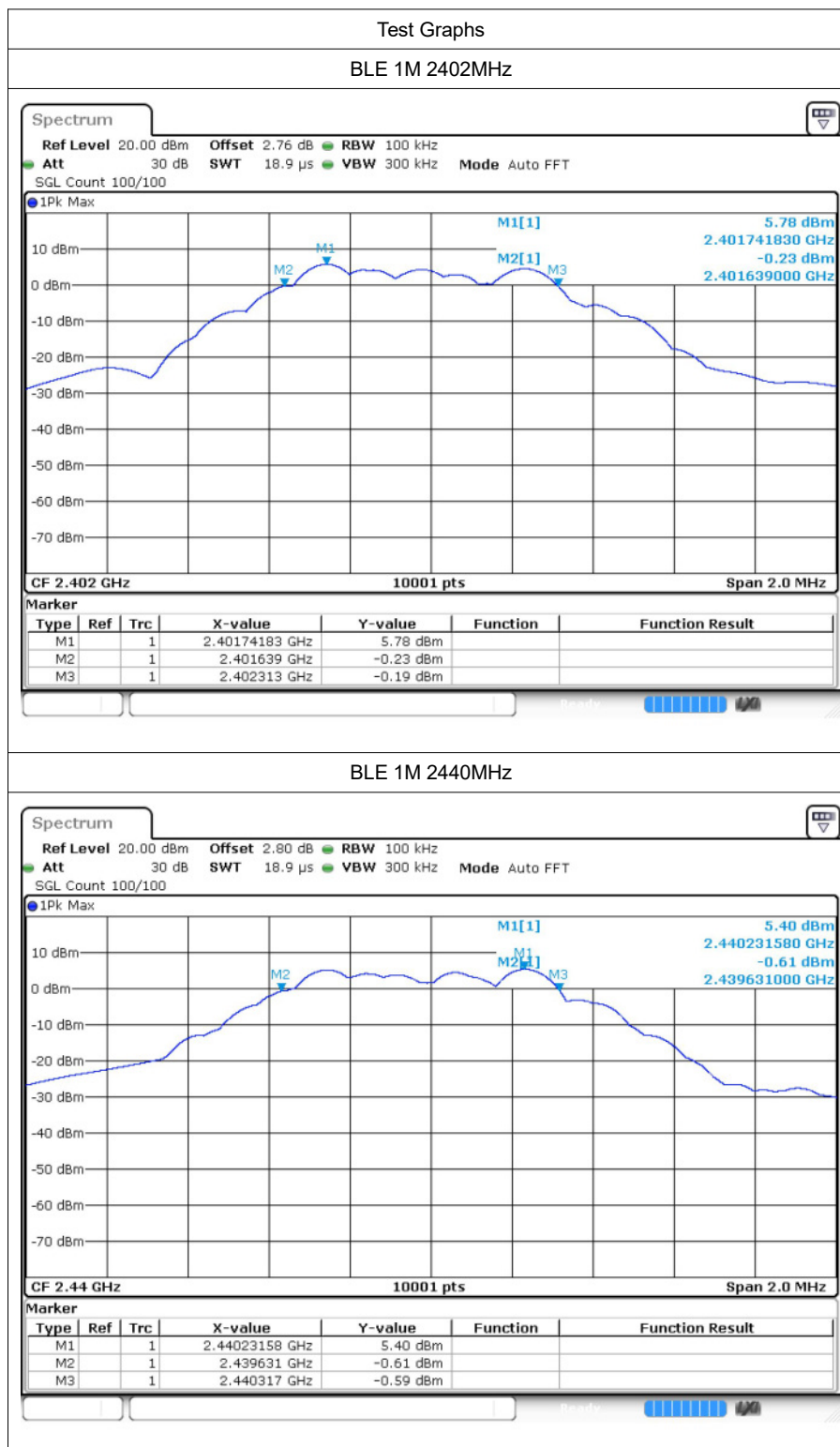


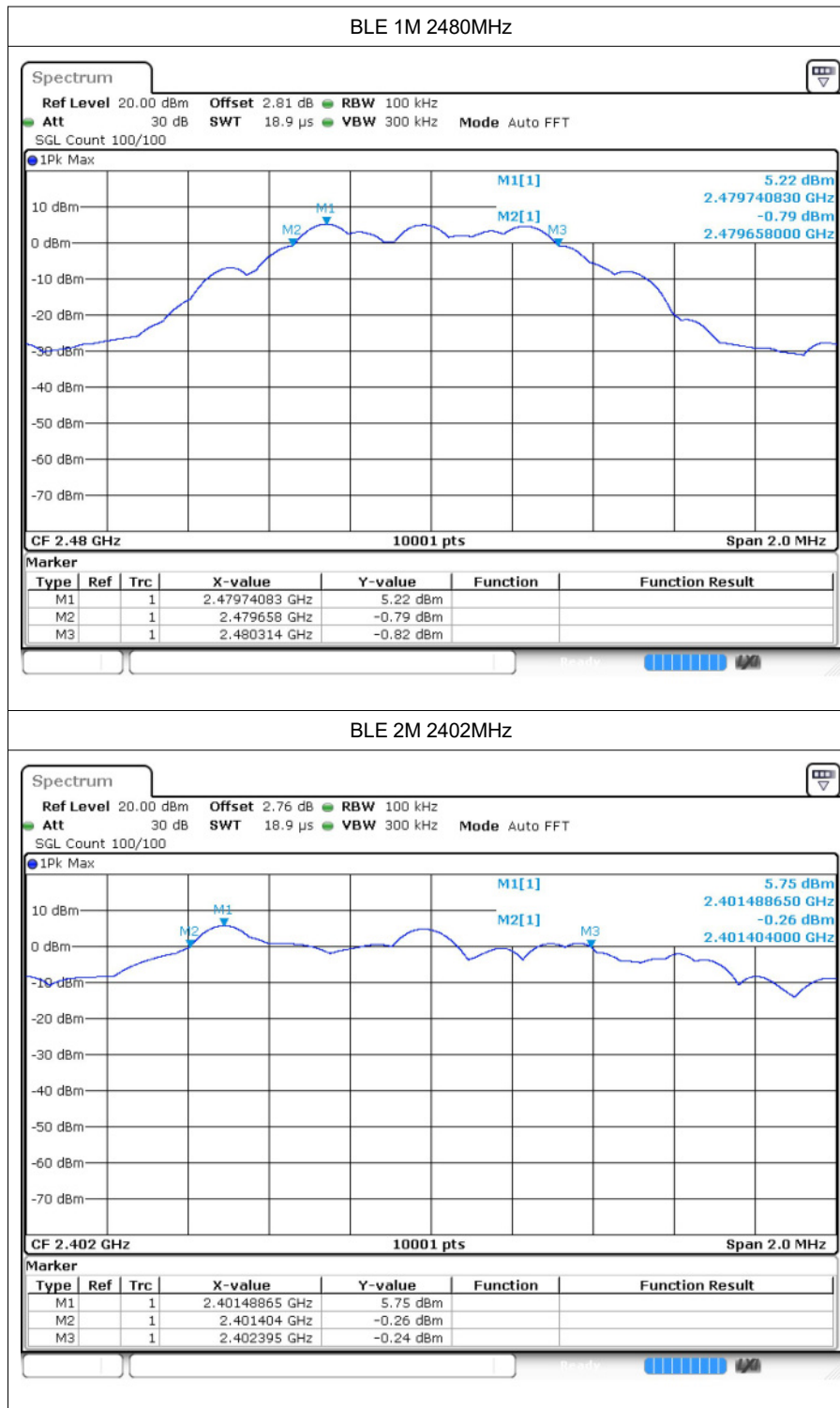
3 -6dB Bandwidth

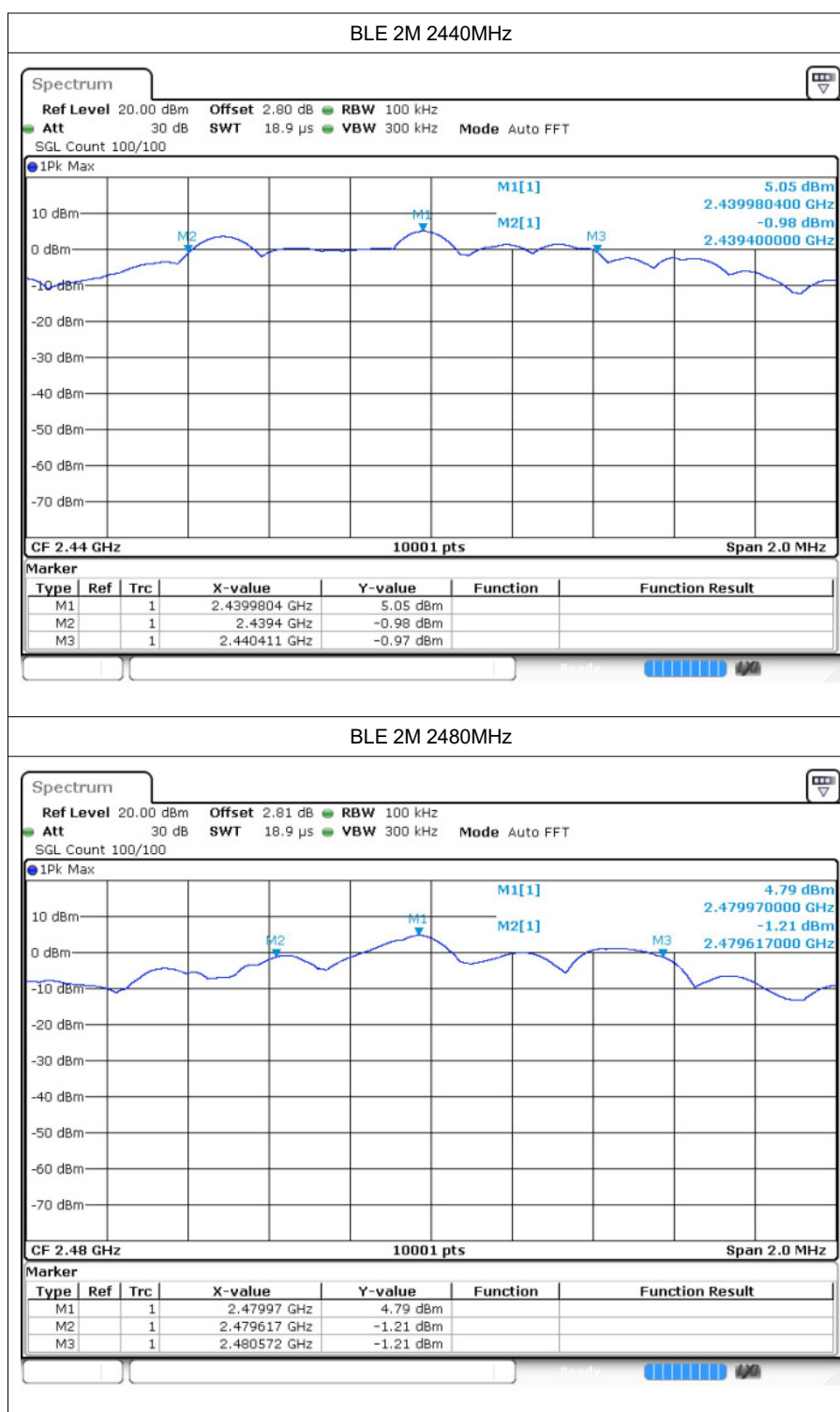
3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.674	0.5	Pass
BLE 1M	2440	0.686	0.5	Pass
BLE 1M	2480	0.656	0.5	Pass
BLE 2M	2402	0.991	0.5	Pass
BLE 2M	2440	1.01	0.5	Pass
BLE 2M	2480	0.956	0.5	Pass

3.2 Test Graphs





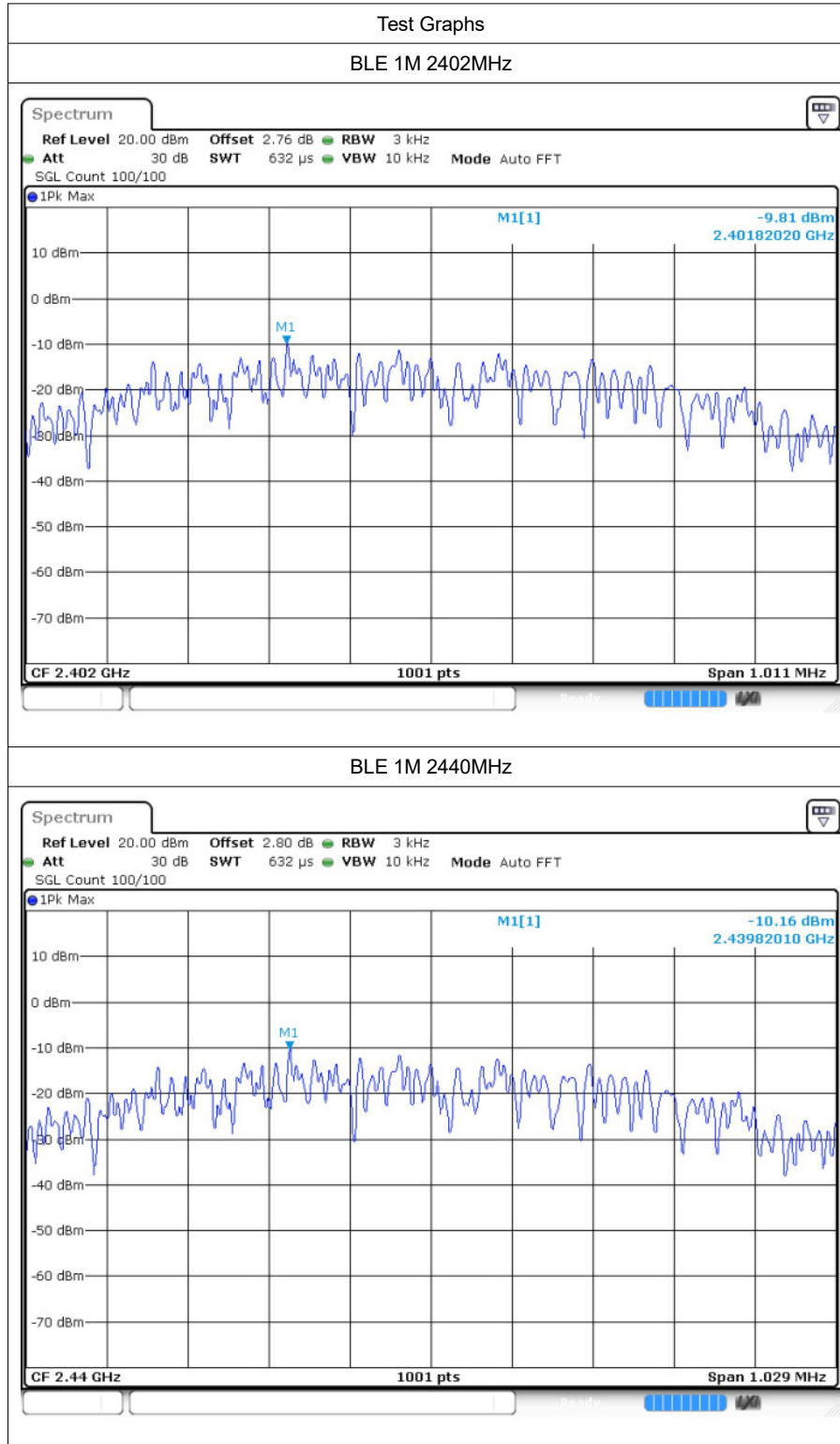


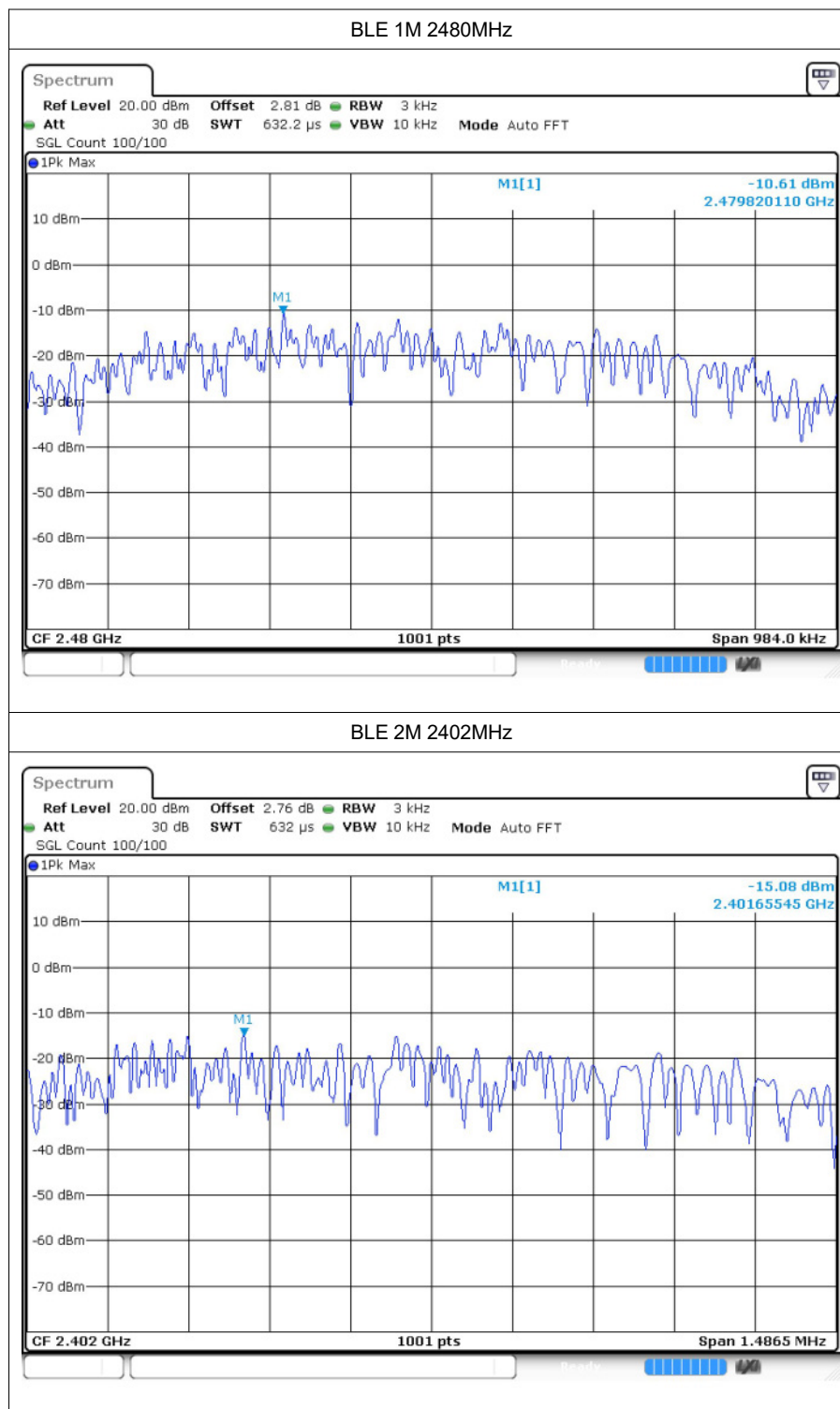
4 Maximum Power Spectral Density Level

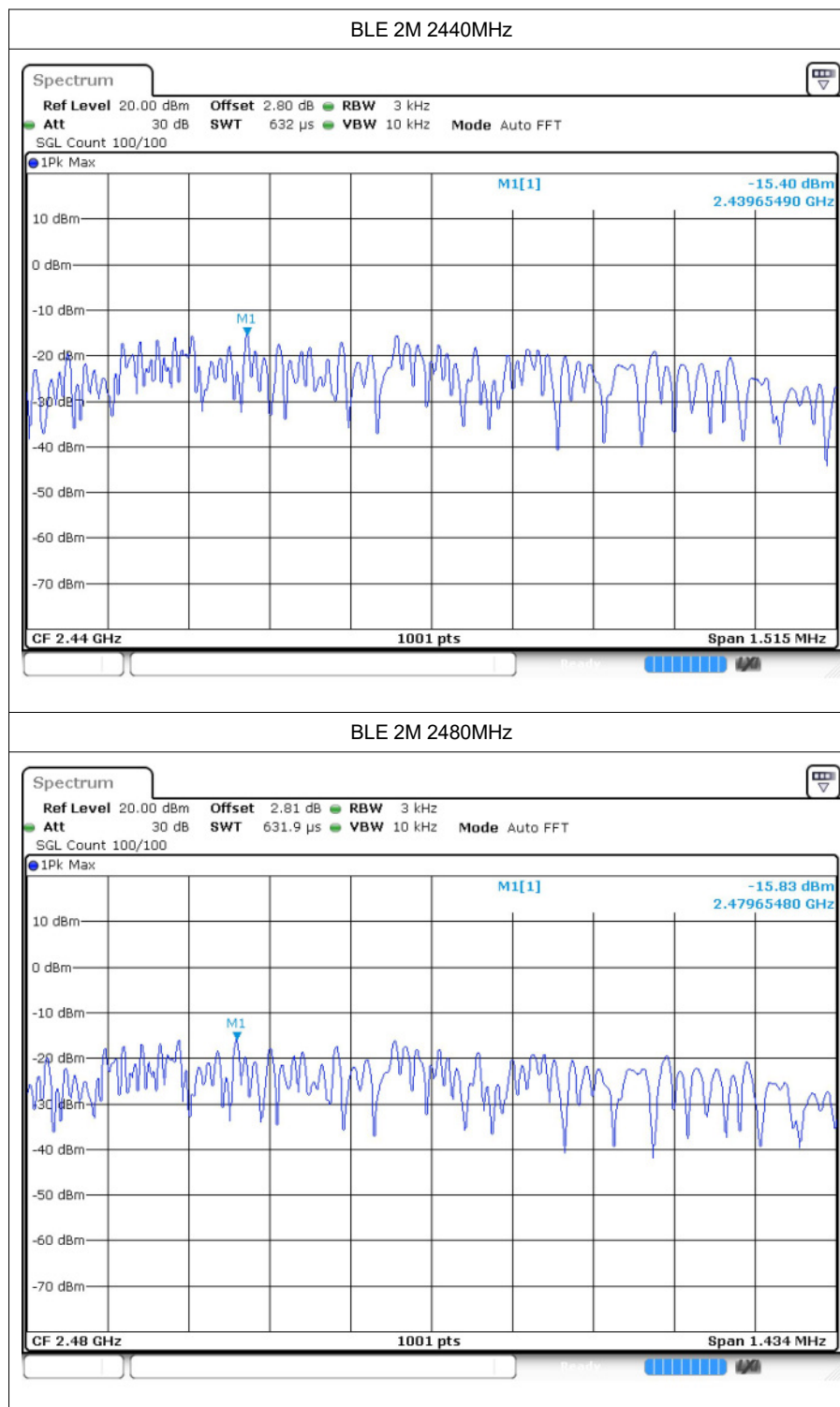
4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-9.81	≤ 8	Pass
BLE 1M	2440	-10.16	≤ 8	Pass
BLE 1M	2480	-10.61	≤ 8	Pass
BLE 2M	2402	-15.08	≤ 8	Pass
BLE 2M	2440	-15.4	≤ 8	Pass
BLE 2M	2480	-15.83	≤ 8	Pass

4.2 Test Graphs







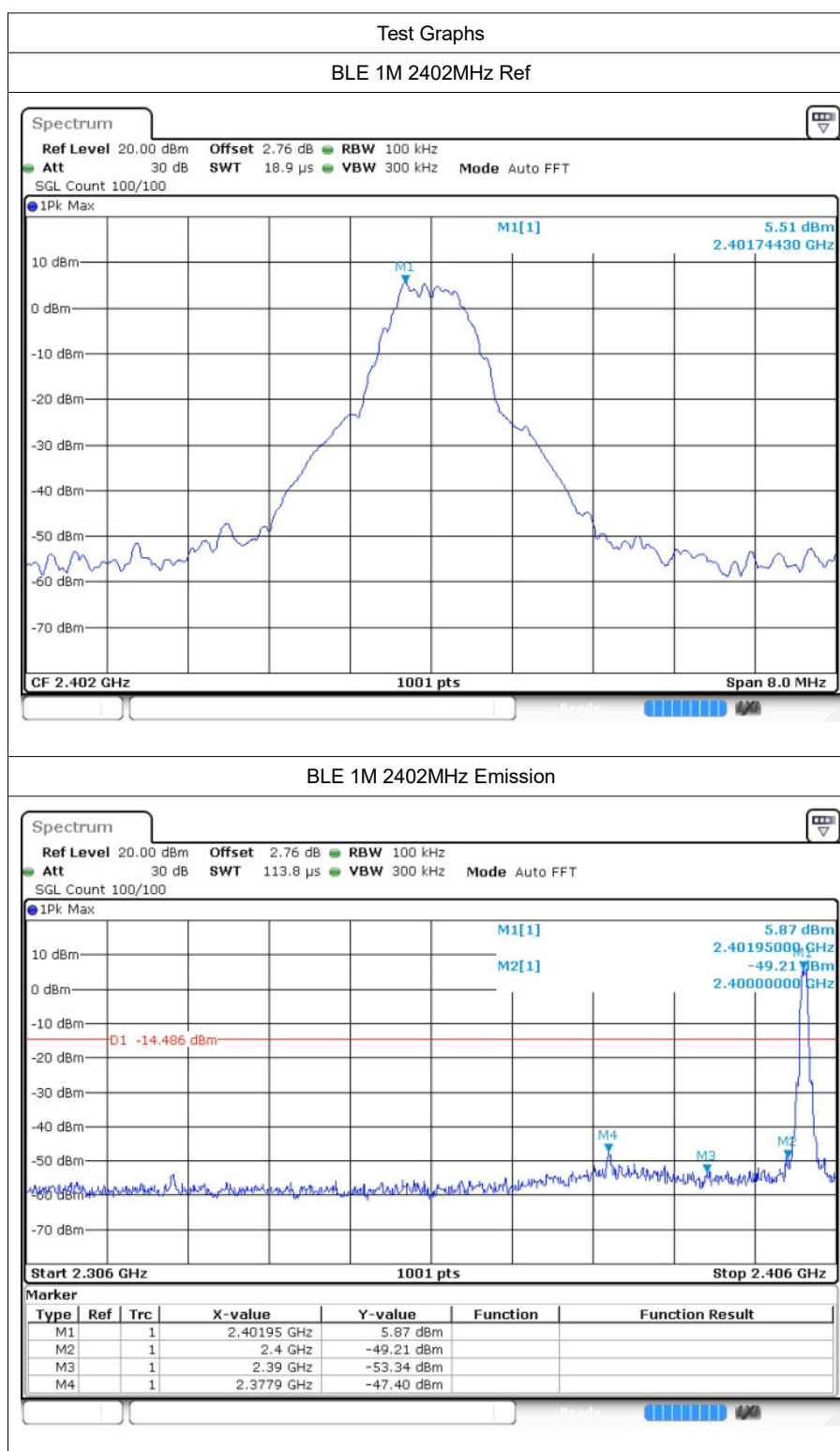


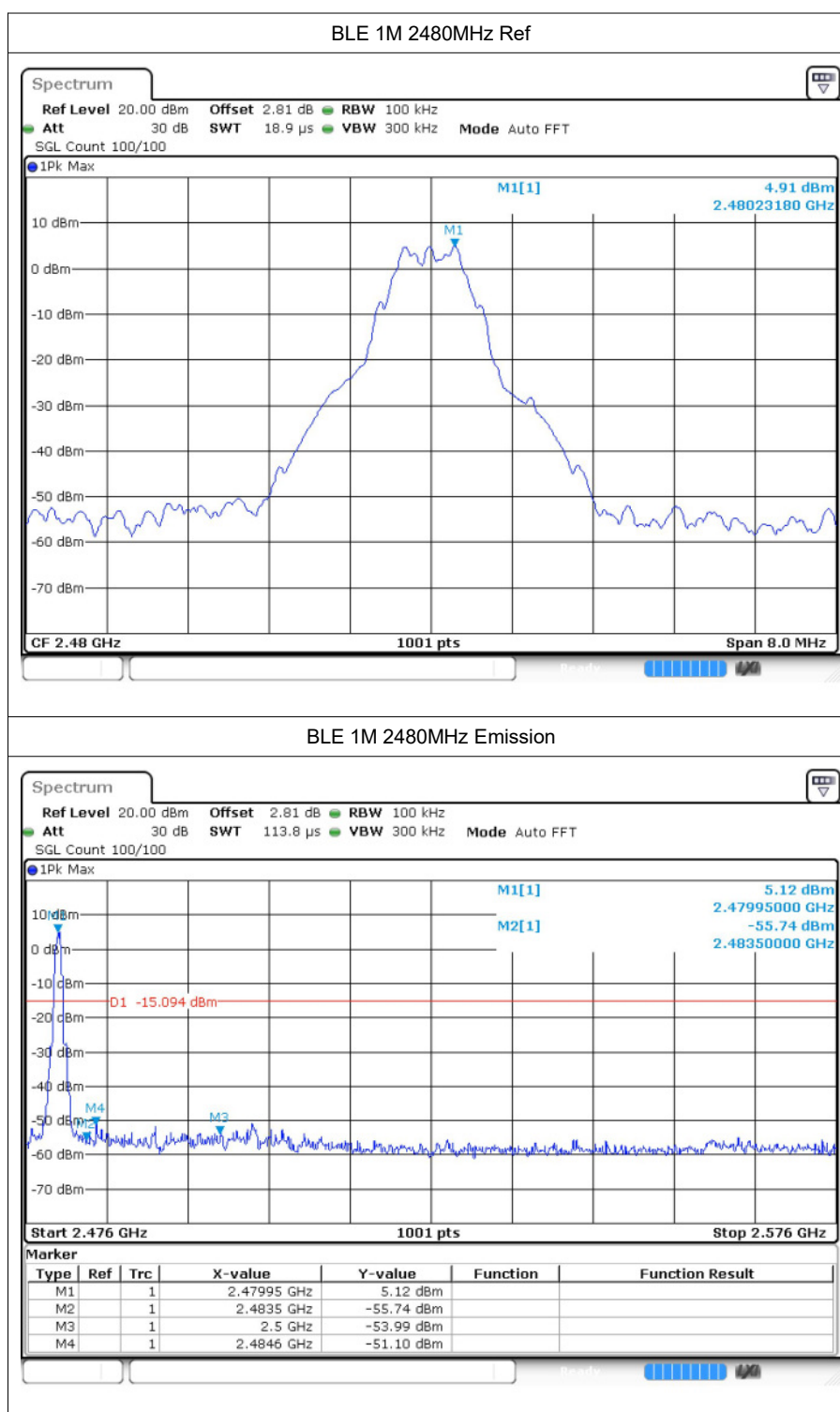
5 Band Edge

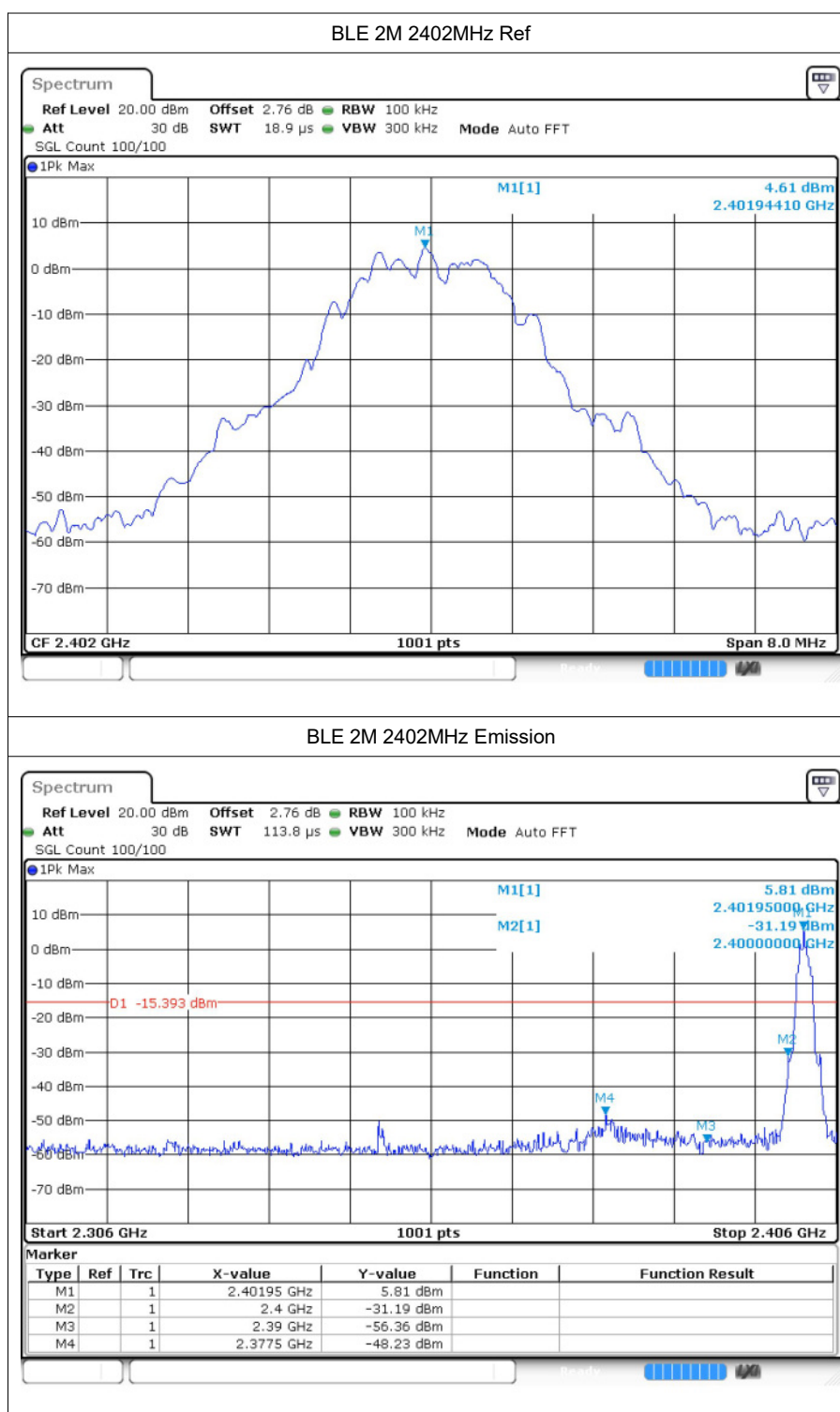
5.1 Test Result

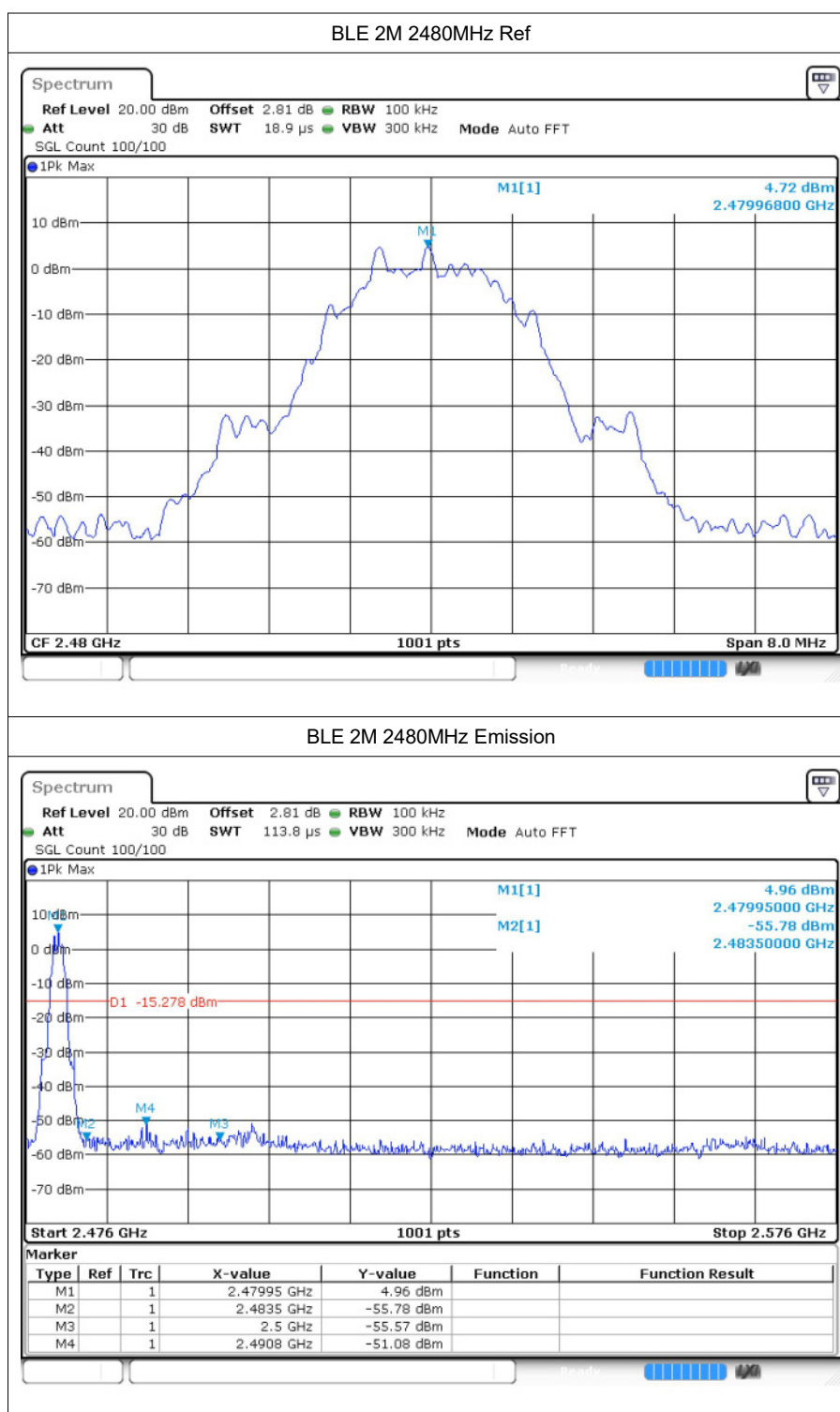
Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-52.9	-20	Pass
BLE 1M	2480	-56	-20	Pass
BLE 2M	2402	-52.83	-20	Pass
BLE 2M	2480	-55.79	-20	Pass

5.2 Test Graphs









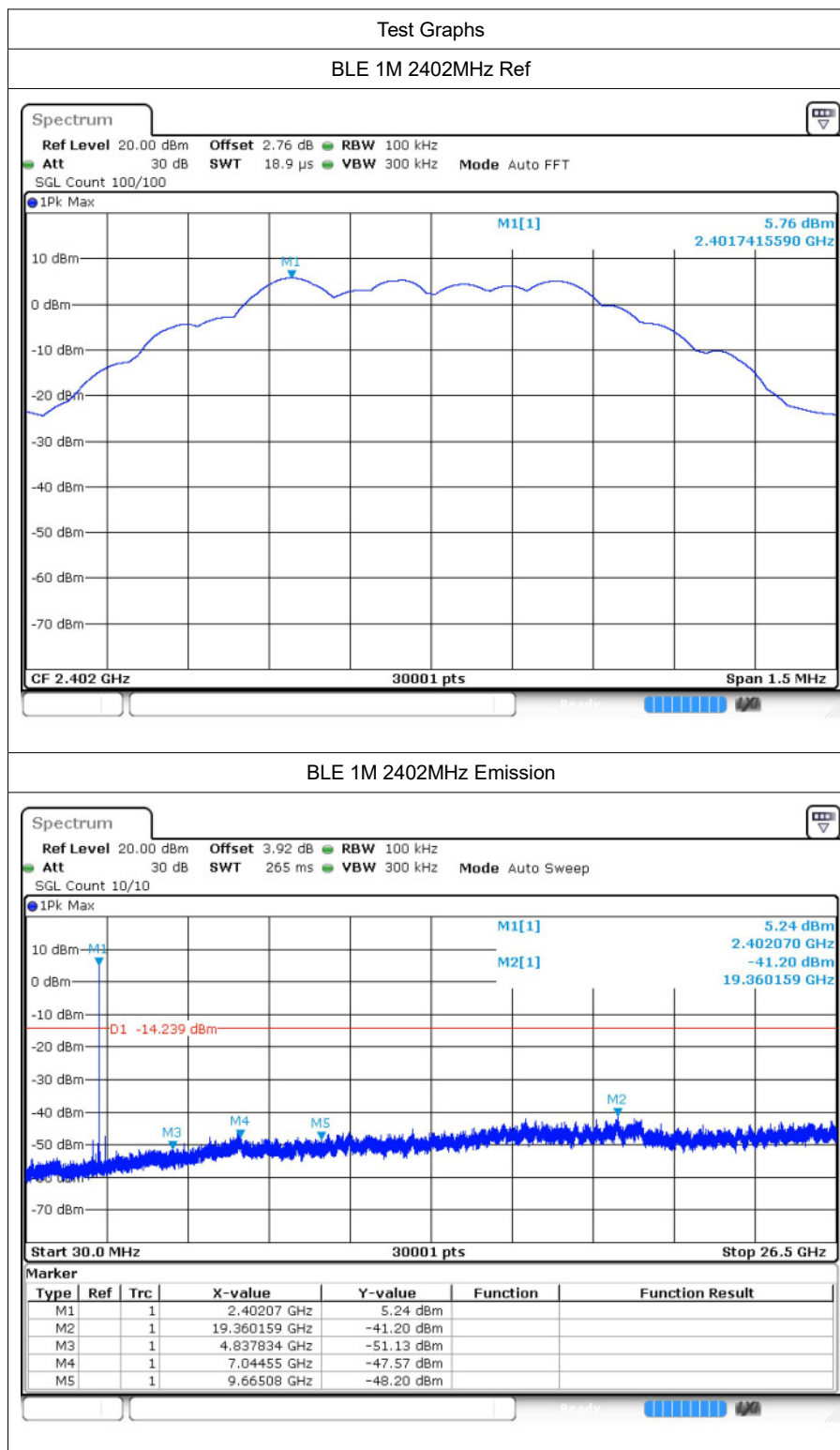


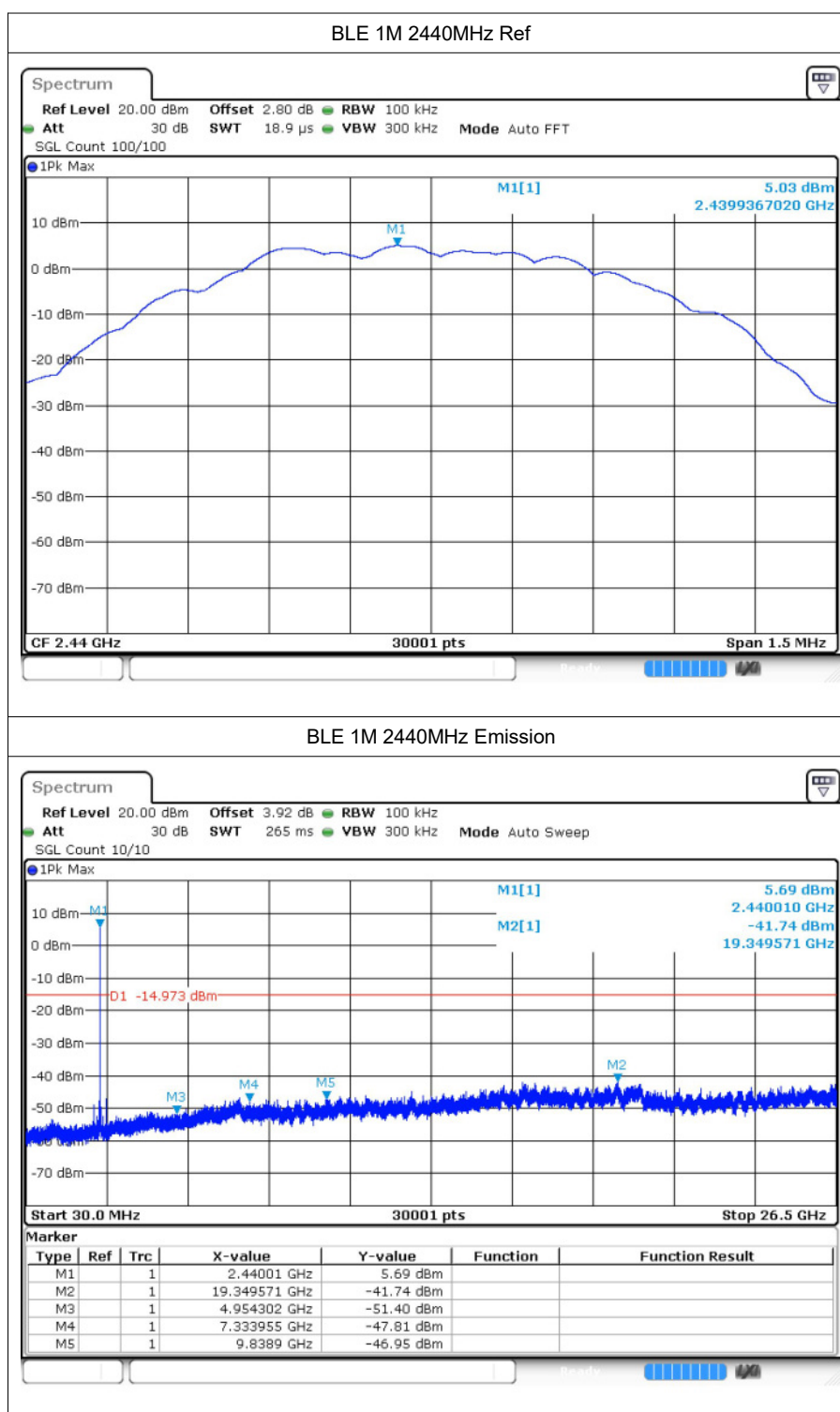
6 Conducted RF Spurious Emission

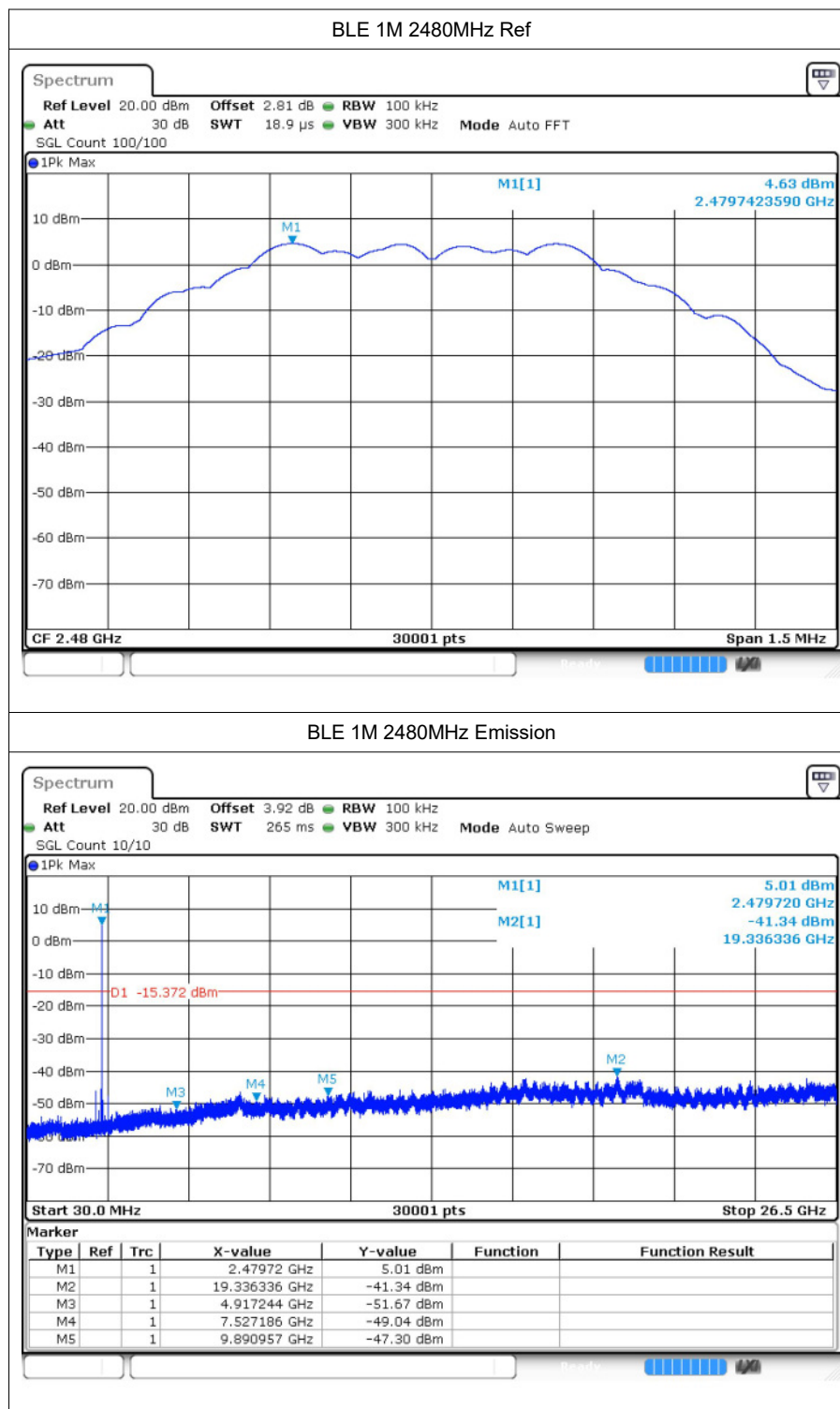
6.1 Test Result

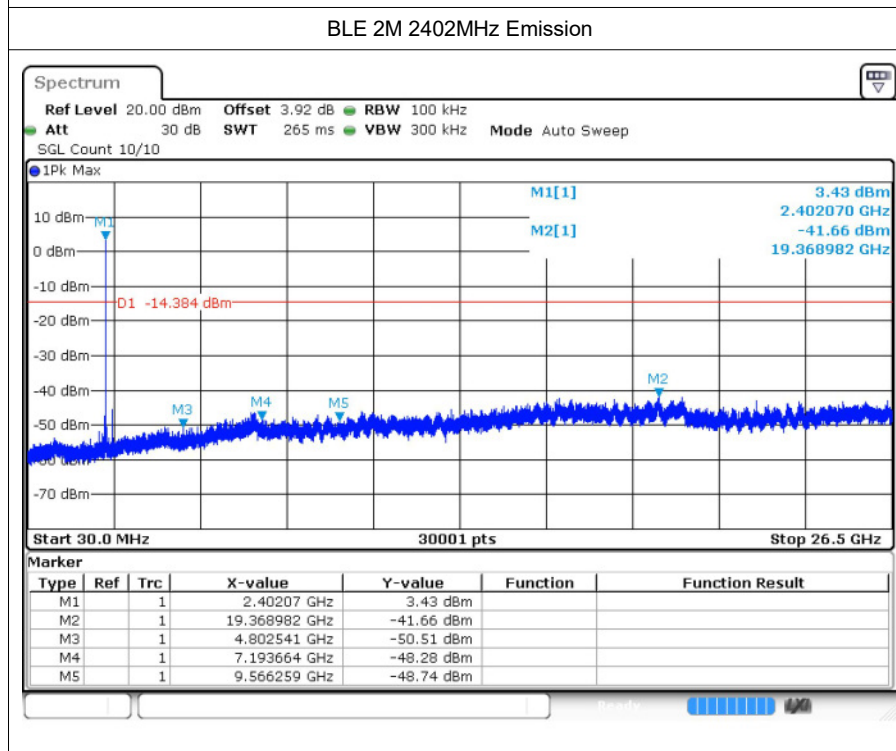
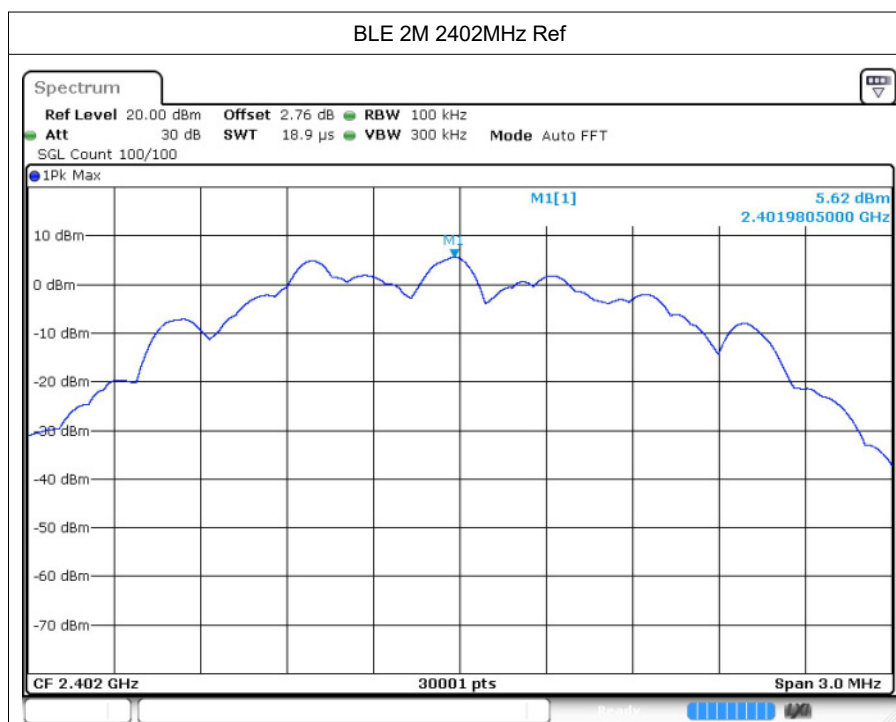
Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-46.95	-20	Pass
BLE 1M	2440	-46.76	-20	Pass
BLE 1M	2480	-45.96	-20	Pass
BLE 2M	2402	-47.28	-20	Pass
BLE 2M	2440	-46.37	-20	Pass
BLE 2M	2480	-46.47	-20	Pass

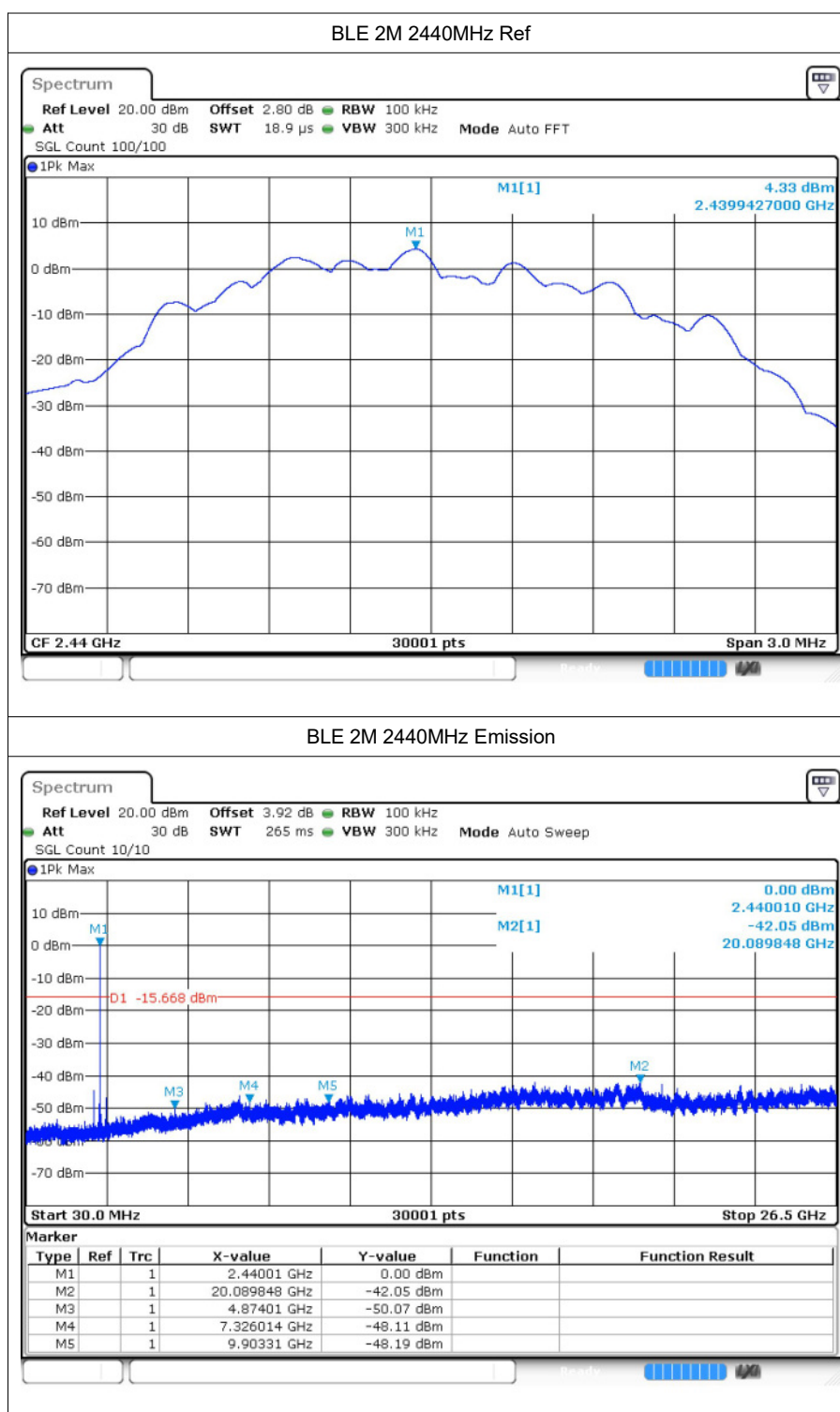
6.2 Test Graphs

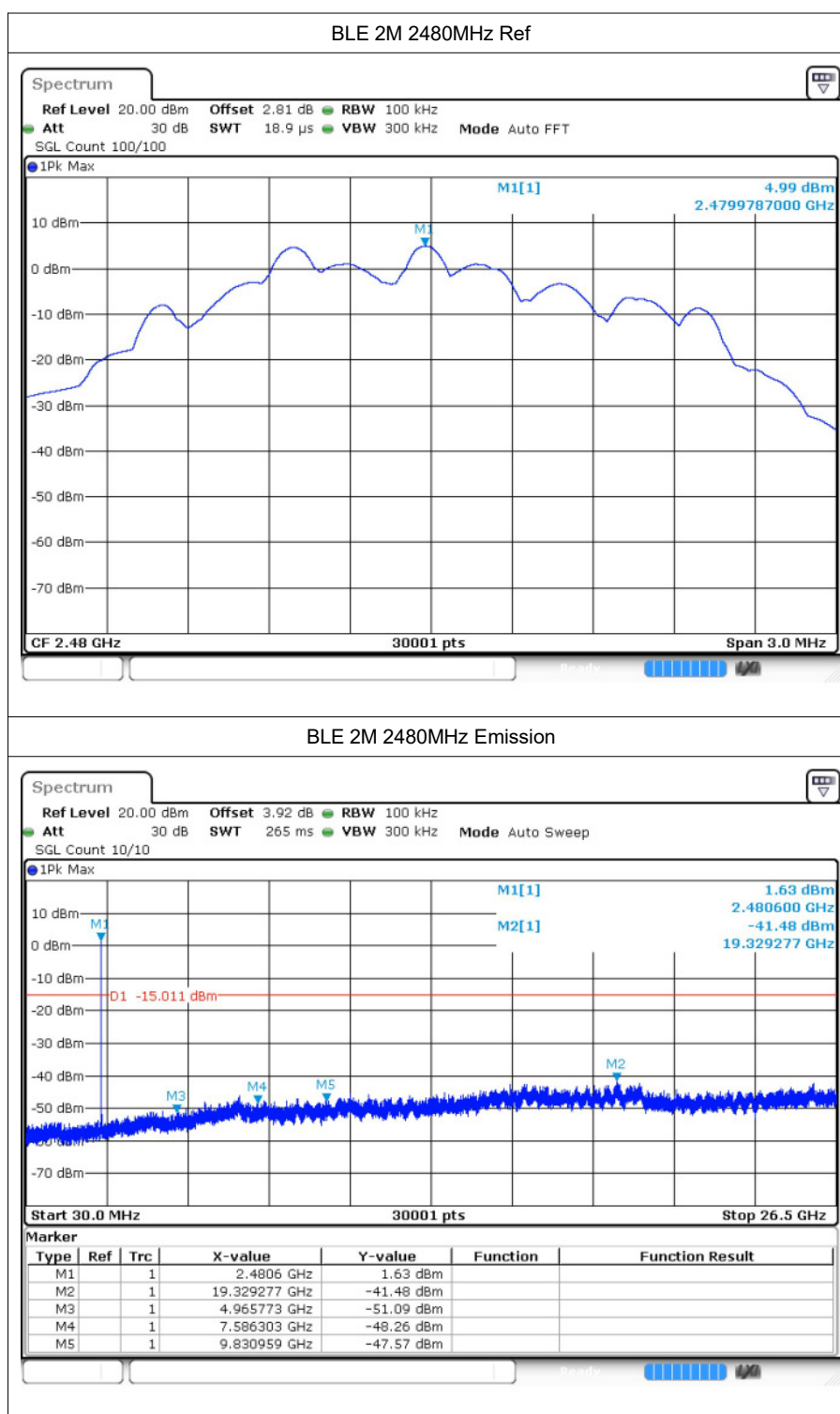












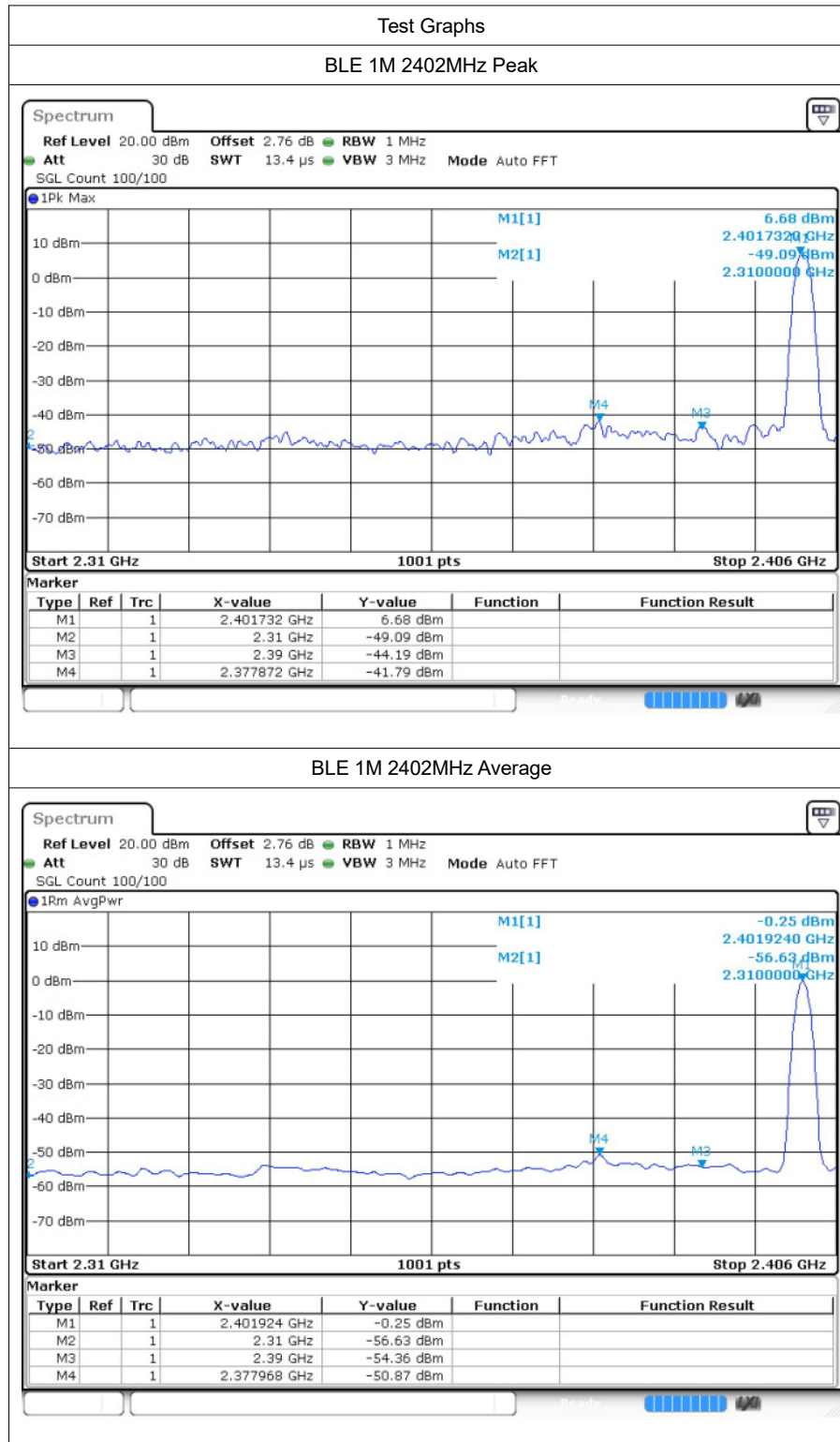


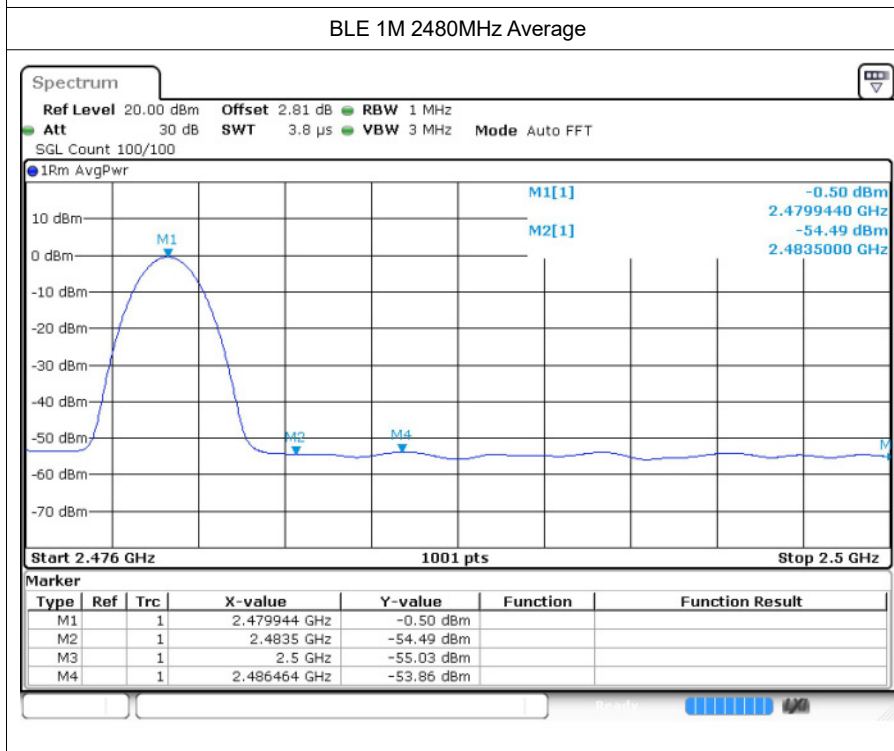
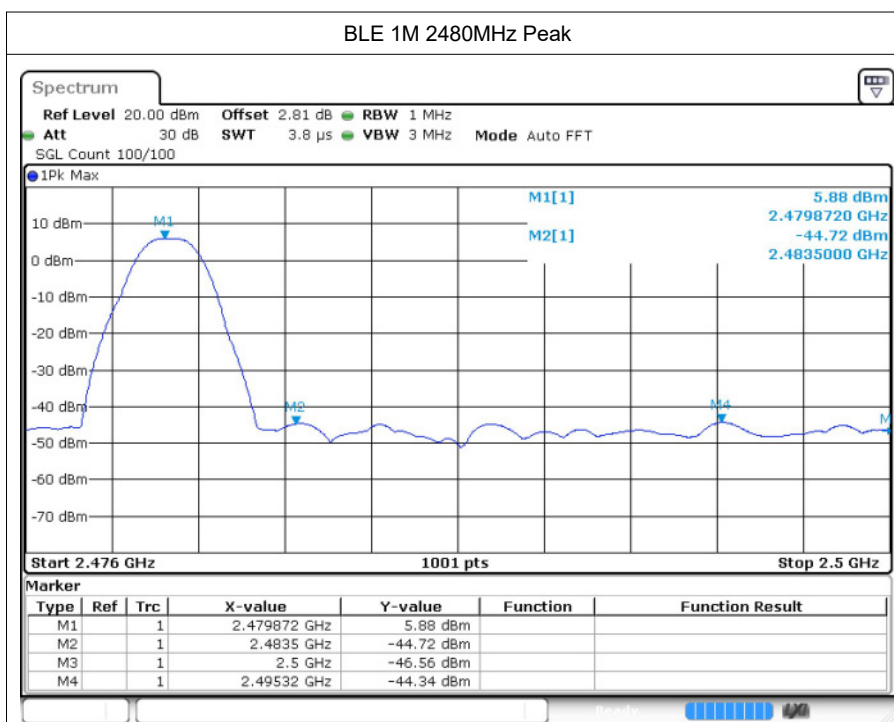
7 Restrict Band

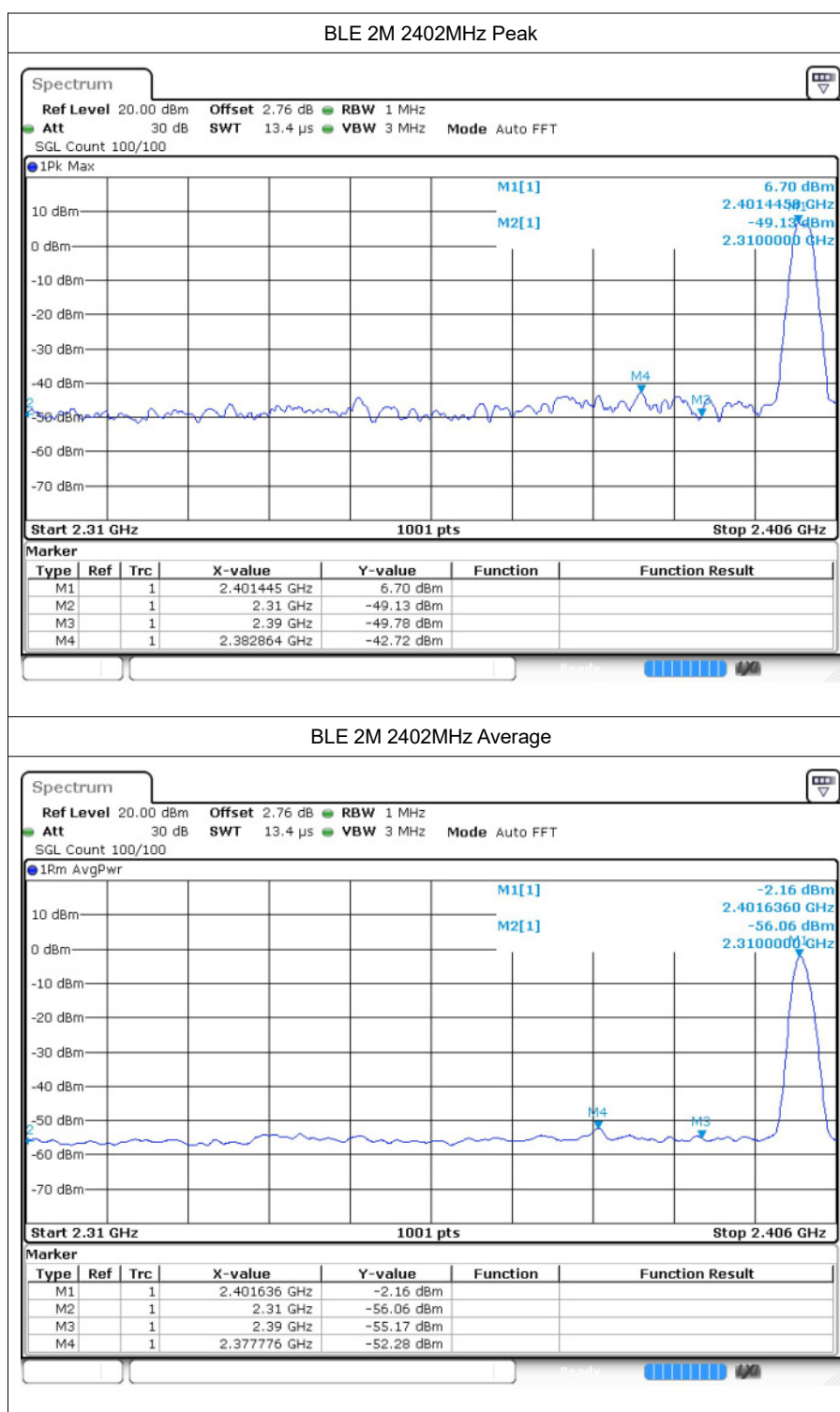
7.1 Test Result

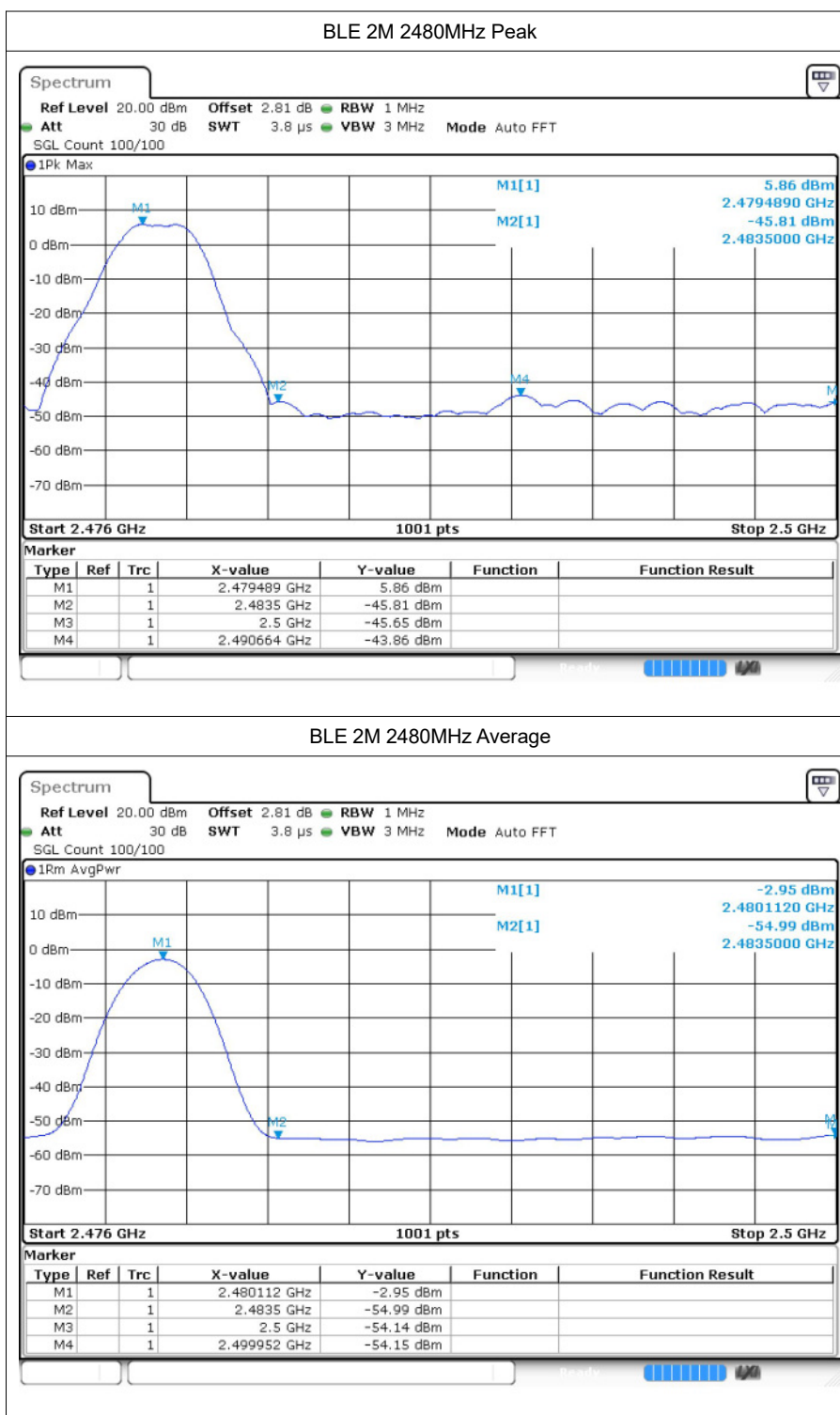
Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
BLE 1M	2402	2310	-49.09	2	-	48.17	Peak	74	Pass
BLE 1M	2402	2310	-56.63	2	5.17	45.8	Average	54	Pass
BLE 1M	2402	2377.872	-41.78	2	-	55.48	Peak	74	Pass
BLE 1M	2402	2377.968	-50.86	2	5.17	51.57	Average	54	Pass
BLE 1M	2402	2390	-44.19	2	-	53.07	Peak	74	Pass
BLE 1M	2402	2390	-54.36	2	5.17	48.07	Average	54	Pass
BLE 1M	2480	2483.5	-44.72	2	-	52.54	Peak	74	Pass
BLE 1M	2480	2483.5	-54.49	2	5.29	48.06	Average	54	Pass
BLE 1M	2480	2495.32	-44.33	2	-	52.93	Peak	74	Pass
BLE 1M	2480	2486.464	-53.85	2	5.29	48.7	Average	54	Pass
BLE 1M	2480	2500	-46.56	2	-	50.7	Peak	74	Pass
BLE 1M	2480	2500	-55.03	2	5.29	47.52	Average	54	Pass
BLE 2M	2402	2310	-49.13	2	-	48.13	Peak	74	Pass
BLE 2M	2402	2310	-56.06	2	7.55	48.75	Average	54	Pass
BLE 2M	2402	2382.864	-42.71	2	-	54.55	Peak	74	Pass
BLE 2M	2402	2377.776	-52.28	2	7.55	52.53	Average	54	Pass
BLE 2M	2402	2390	-49.78	2	-	47.48	Peak	74	Pass
BLE 2M	2402	2390	-55.17	2	7.55	49.64	Average	54	Pass
BLE 2M	2480	2483.5	-45.81	2	-	51.45	Peak	74	Pass
BLE 2M	2480	2483.5	-54.99	2	7.55	49.82	Average	54	Pass
BLE 2M	2480	2490.664	-43.85	2	-	53.41	Peak	74	Pass
BLE 2M	2480	2499.952	-54.14	2	7.55	50.67	Average	54	Pass
BLE 2M	2480	2500	-45.65	2	-	51.61	Peak	74	Pass
BLE 2M	2480	2500	-54.14	2	7.55	50.67	Average	54	Pass

7.2 Test Graphs









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