Appendix B

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

Product Name: AirBell Pro

Trade Mark: N/A

Test Model: AB_IC_A_01_22mm

Environmental Conditions

Temperature:	25.3° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Emiya lin
Supervised by:	Simba Haung

Contents

1 Duty Cycle

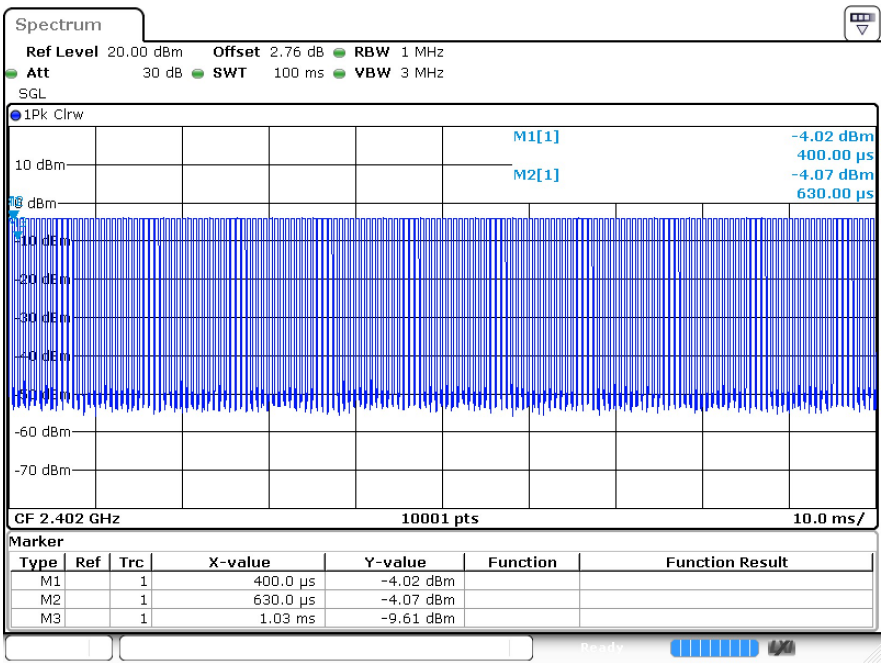
1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor	1/T (kHz)
BLE 1M	2402	64.79	1.88	2.5
BLE 1M	2440	64.79	1.88	2.5
BLE 1M	2480	64.79	1.88	2.5
BLE 2M	2402	35.21	4.53	4.76
BLE 2M	2440	35.21	4.53	4.76
BLE 2M	2480	35.2	4.54	4.76

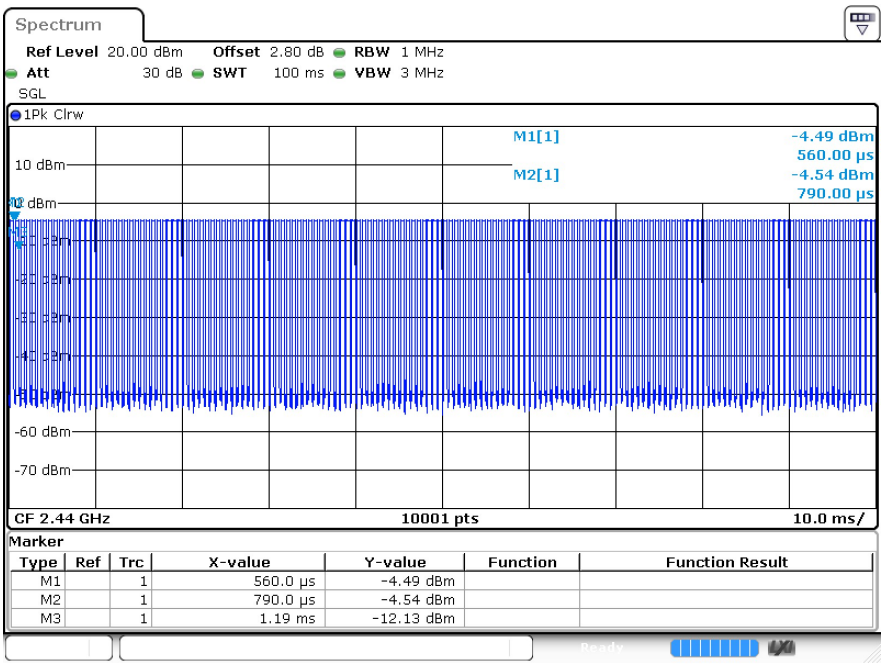
1.2 Test Graphs

Test Graphs

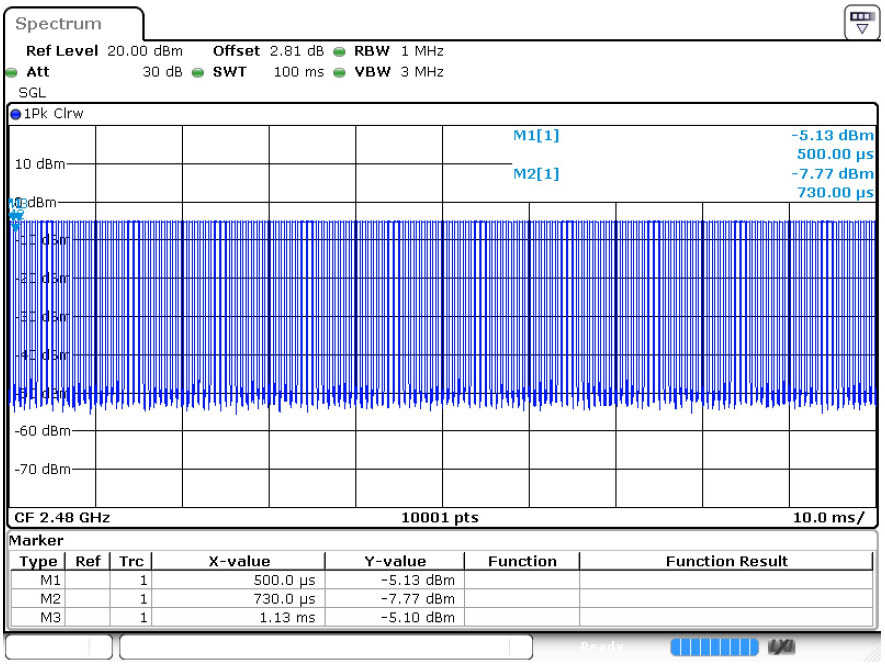
BLE 1M 2402MHz



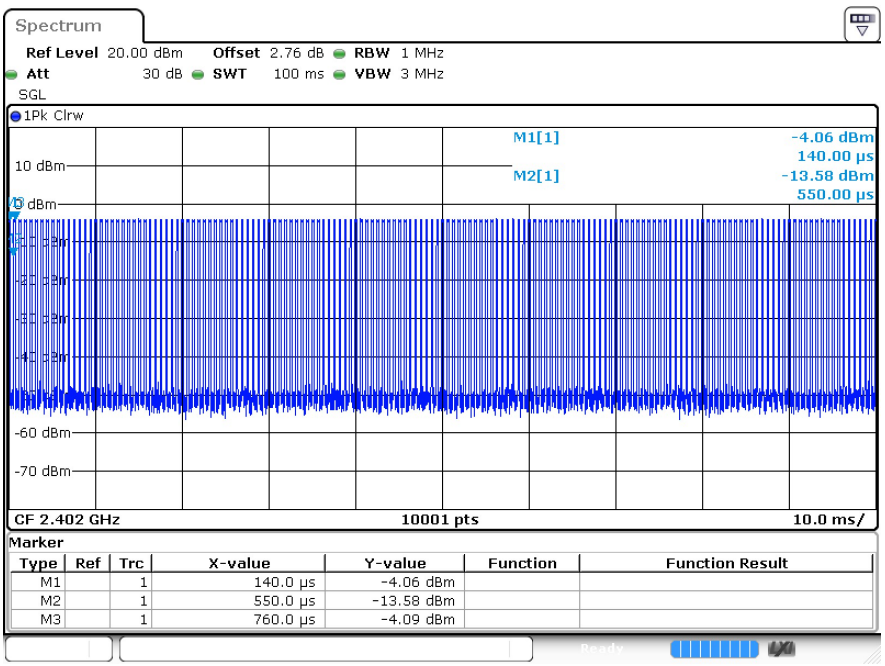
BLE 1M 2440MHz



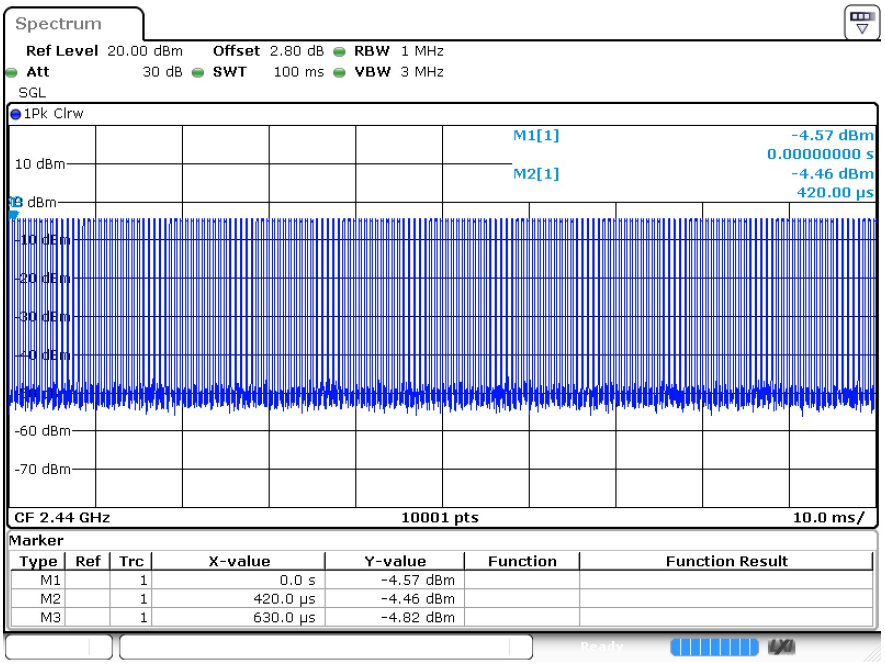
BLE 1M 2480MHz



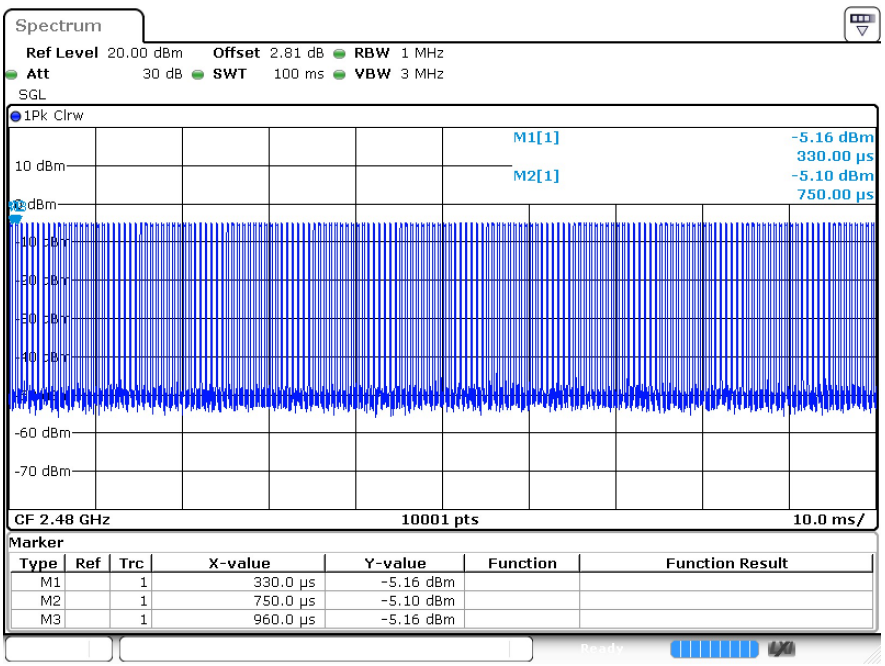
BLE 2M 2402MHz



BLE 2M 2440MHz



BLE 2M 2480MHz



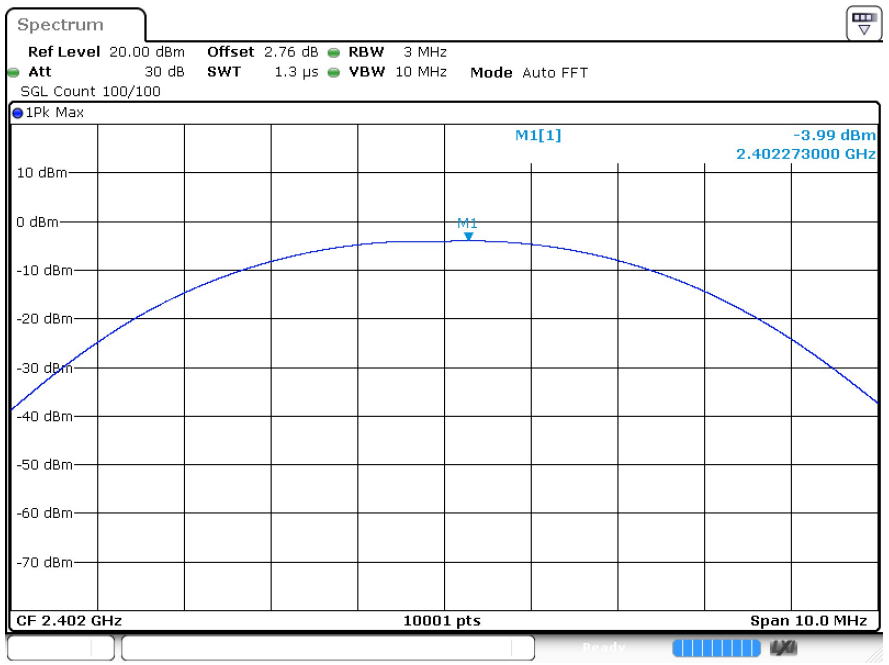
2 Maximum Conducted Output Power

2.1 Test Result

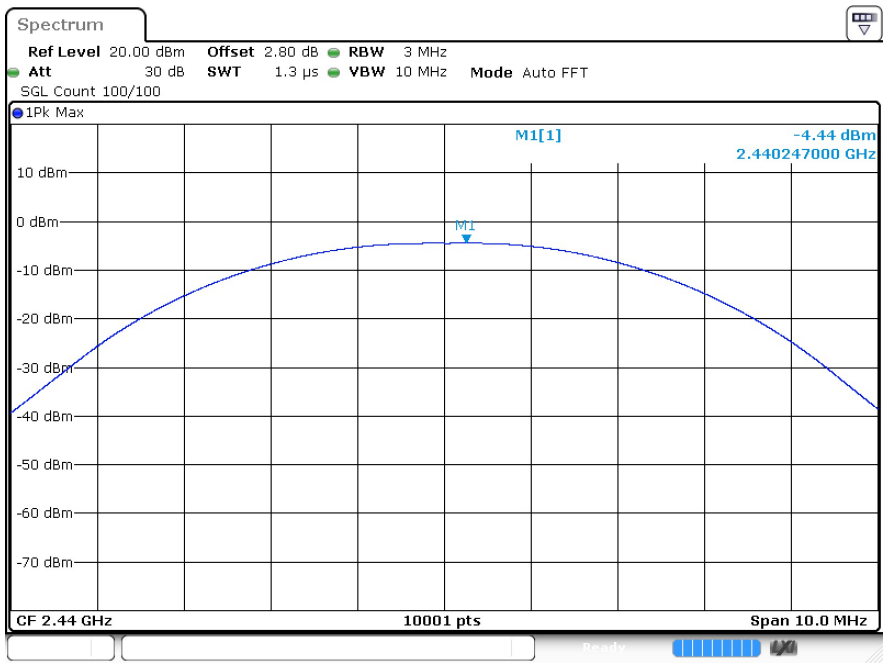
Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	-3.99	30	Pass
BLE 1M	2440	-4.44	30	Pass
BLE 1M	2480	-5.09	30	Pass
BLE 2M	2402	-4.02	30	Pass
BLE 2M	2440	-4.45	30	Pass
BLE 2M	2480	-5.04	30	Pass

2.2 Test Graphs

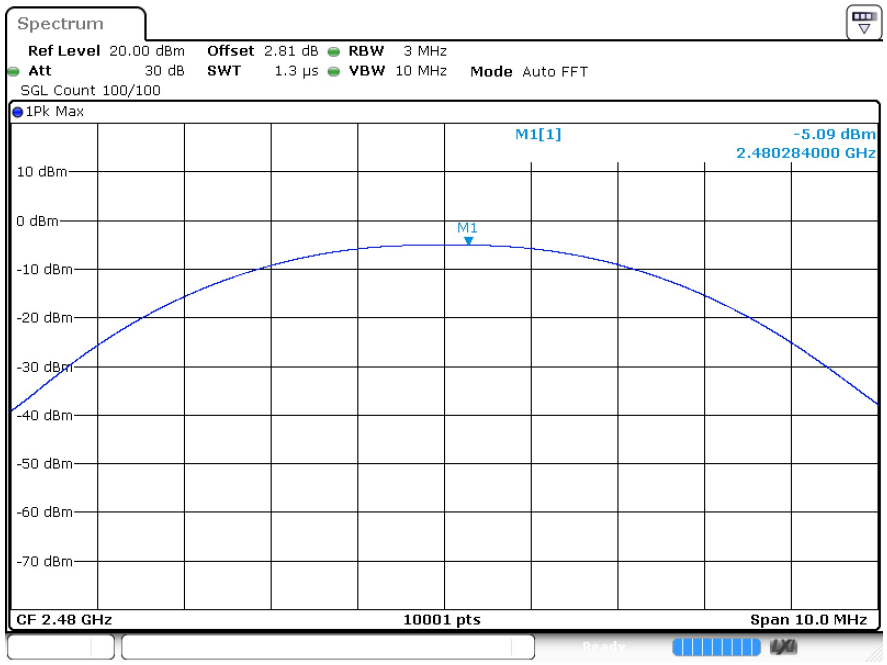
Test Graphs
BLE 1M 2402MHz



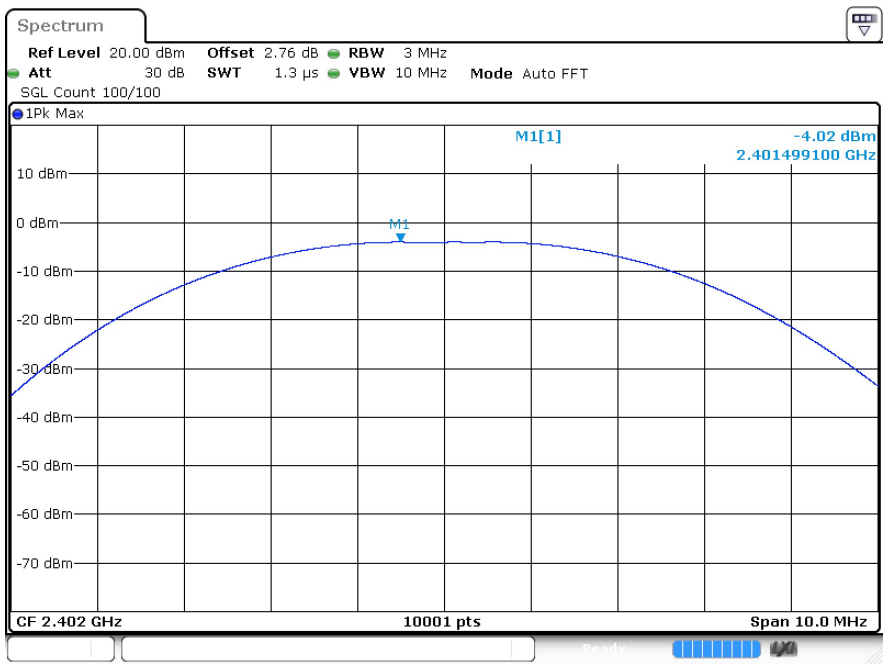
BLE 1M 2440MHz



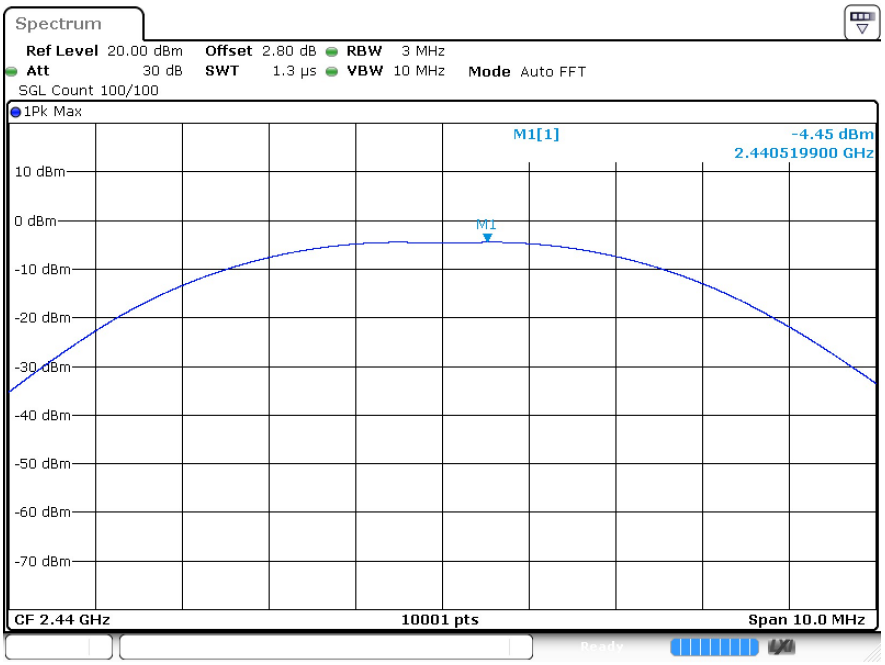
BLE 1M 2480MHz



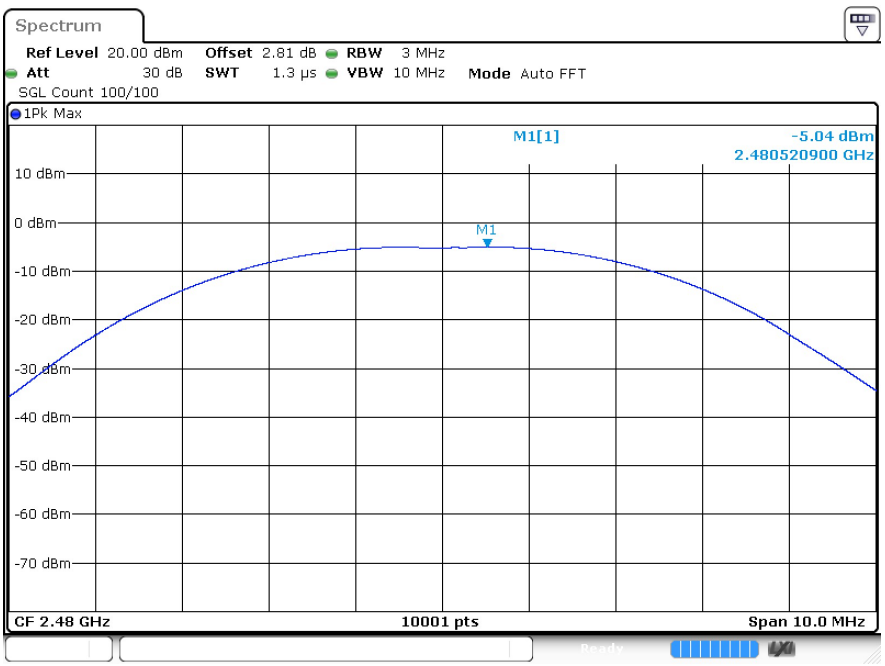
BLE 2M 2402MHz



BLE 2M 2440MHz



BLE 2M 2480MHz



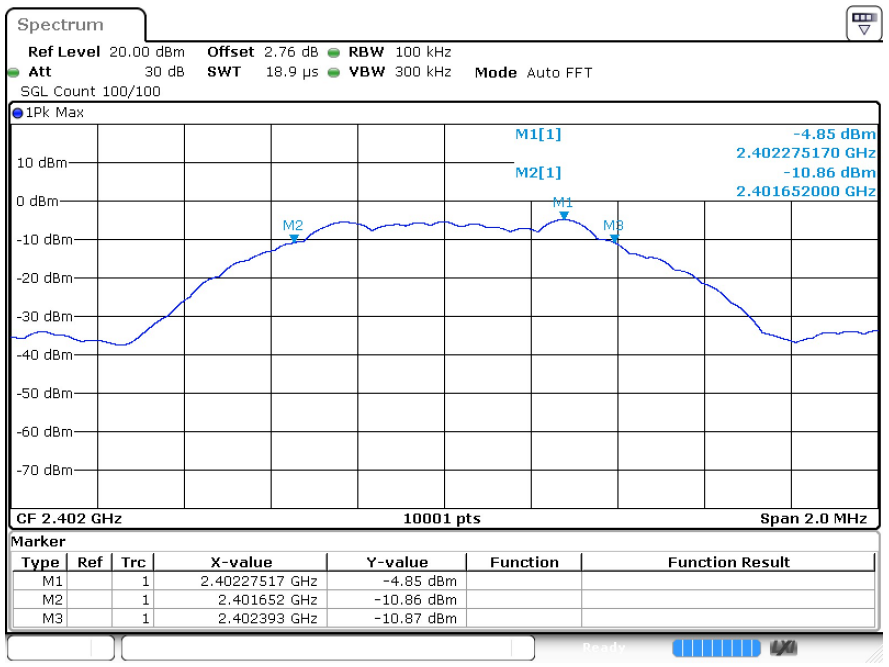
3 -6dB Bandwidth

3.1 Test Result

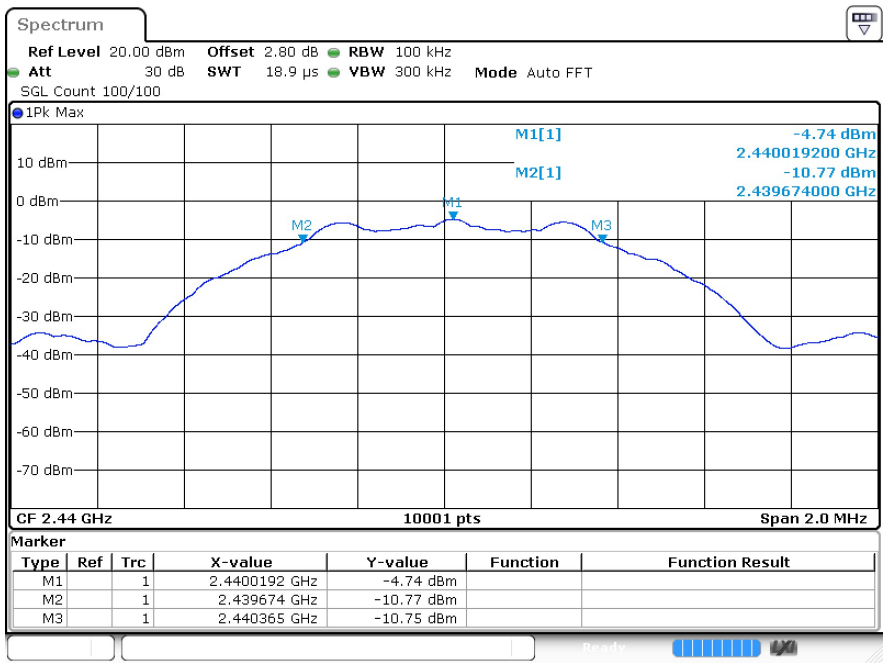
Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.741	0.5	Pass
BLE 1M	2440	0.69	0.5	Pass
BLE 1M	2480	0.642	0.5	Pass
BLE 2M	2402	1.098	0.5	Pass
BLE 2M	2440	1.075	0.5	Pass
BLE 2M	2480	1.148	0.5	Pass

3.2 Test Graphs

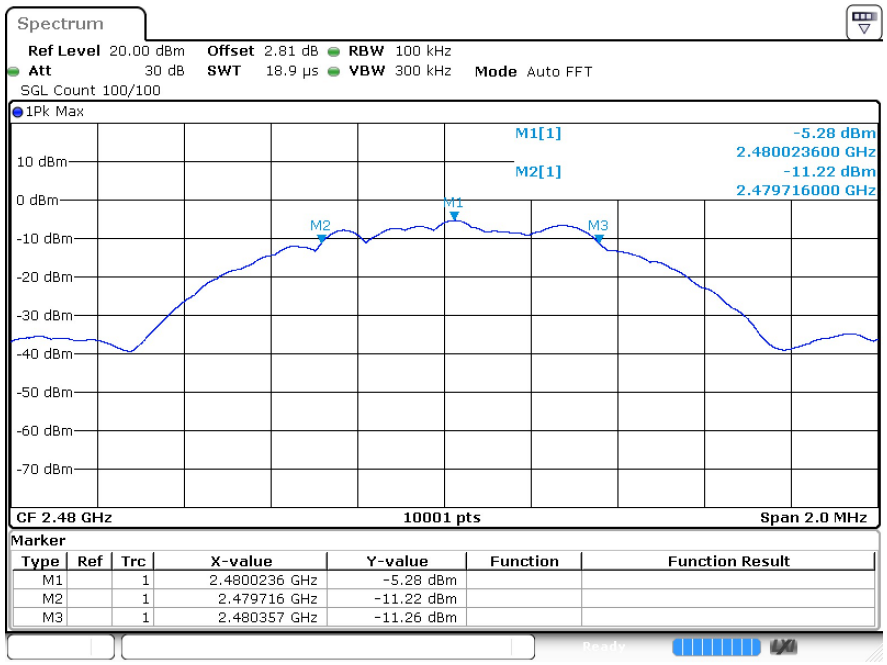
Test Graphs
BLE 1M 2402MHz



BLE 1M 2440MHz



BLE 1M 2480MHz



BLE 2M 2402MHz