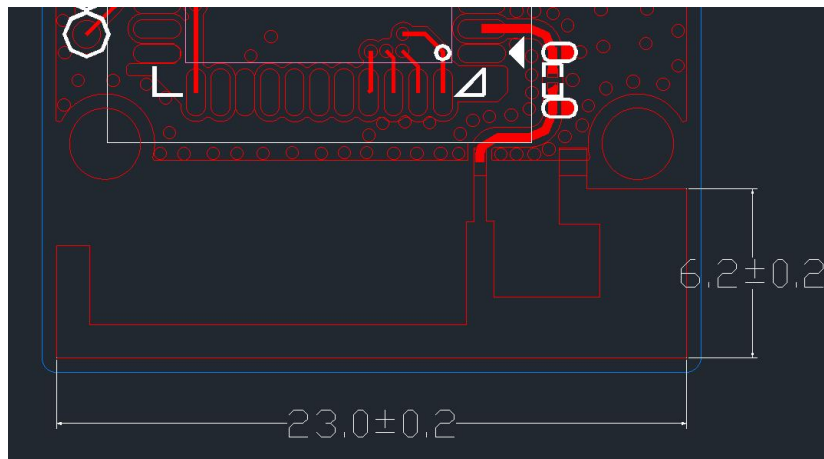


1. Antenna Information

Product Model	Mica
Antenna Model	Mica-WiFi&BLE
Antenna Type	PCB Antenna
Manufacturer	Lumi United Technology Co.,Ltd.

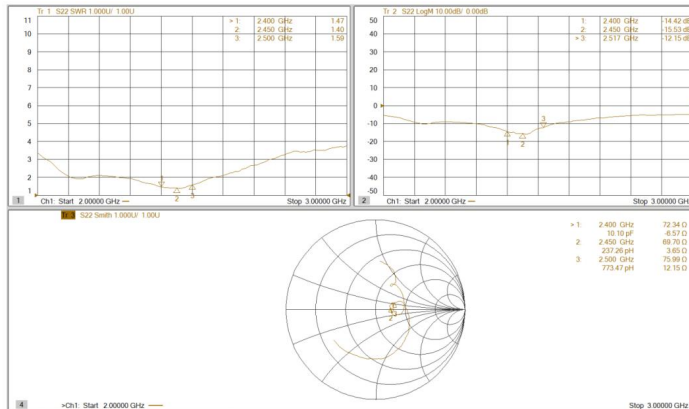
2. Antenna Picture



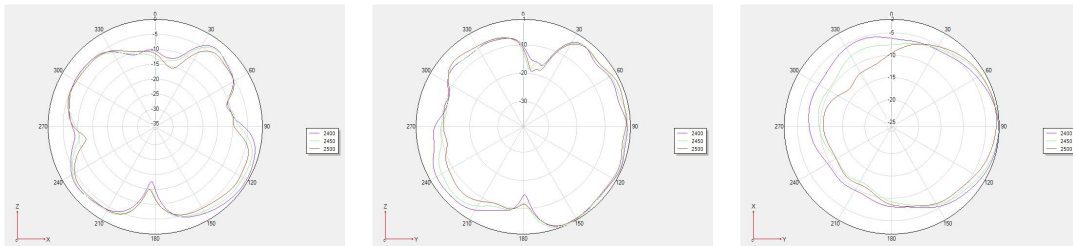
3. Electrical Specification

Frequency Range	2400 - 2483.5 MHz
Bandwidth	83.5 MHz
Input Impedence	50 Ω
S11	≤ -10 dB
Peak Gain	0 dBi

4. Antenna S11



5. Radiation Pattern



6. Test Results

Frequency ID	Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
1	2400	-0.23	-2.10	43.17
2	2410	-0.21	-2.02	44.00
3	2420	-0.05	-1.94	44.82
4	2430	-0.07	-1.94	44.76
5	2440	-0.29	-2.10	43.19
6	2450	-0.36	-2.15	42.71
7	2460	-0.18	-2.04	43.78
8	2470	0.00	-2.00	44.14
9	2480	-0.03	-1.83	45.89
10	2490	-0.06	-1.74	46.90
11	2500	-0.25	-1.97	44.44