

1、 Antenna Information



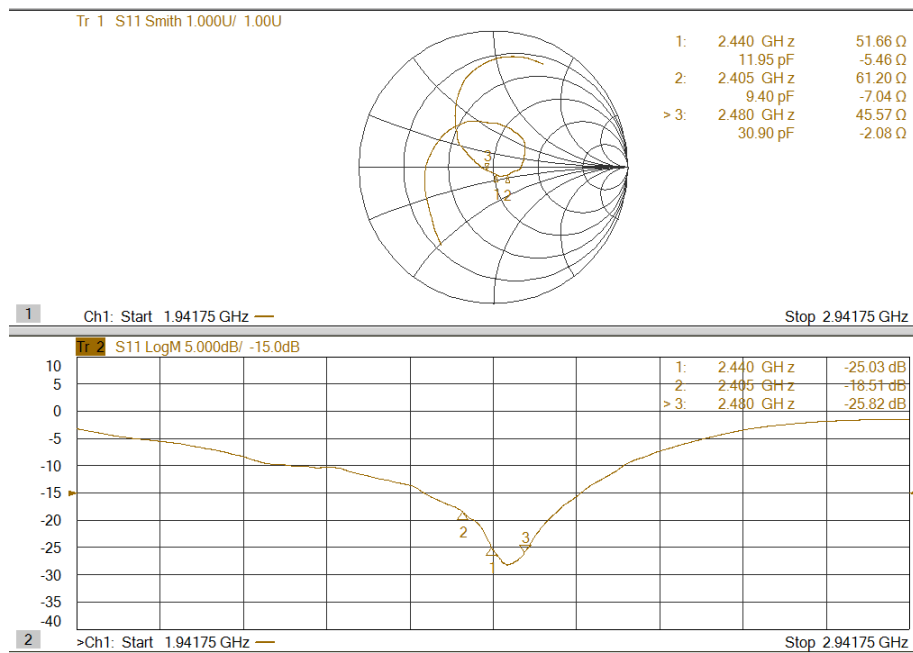
Thread antenna

Product Model	JSQ
Antenna Model	JSQ-Thread
Antenna Type	PCB
Manufacturer	Lumi United Technology Co., Ltd

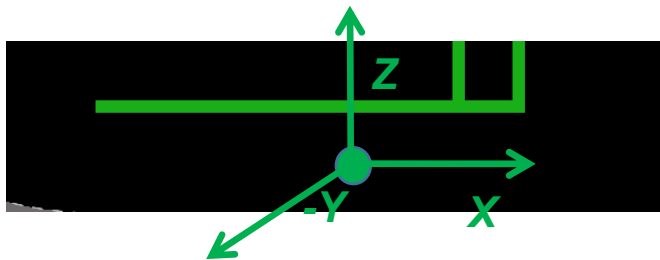
2、 Electrical Specifications

Frequency Range	2400~2500MHz
Bandwidth	100 MHz
Input Impedence	50Ω
S11	≤ -10 dB
Gain	Peak Gain 1 dBi

3、 Antenna S11



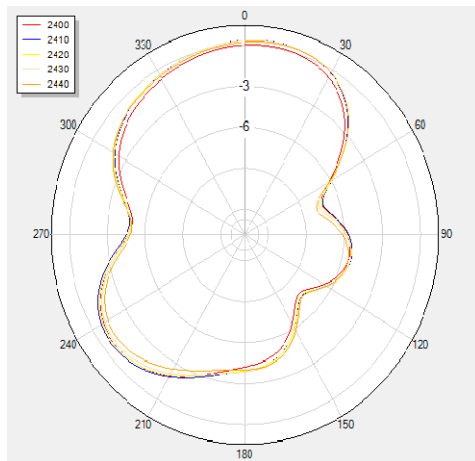
4、Plane Definition Radiation



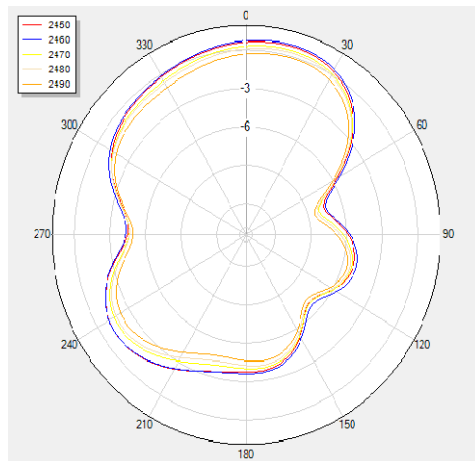
XY Plane	Theta=90°
XZ Plane	Phi=0°
YZ Plane	Phi=90

5、Pattern

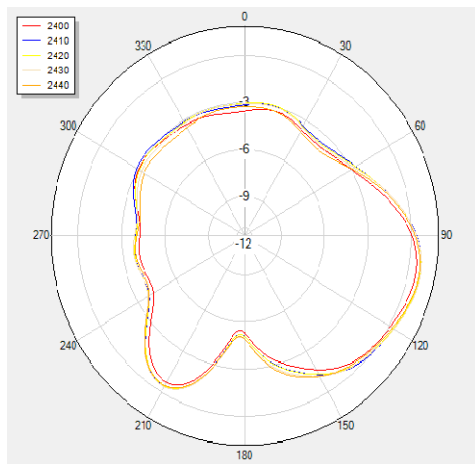
H Theta=90



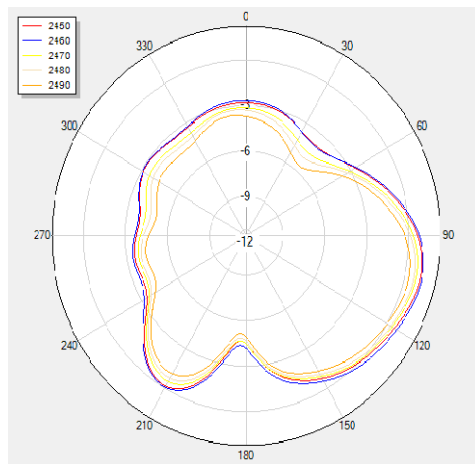
H Theta=90



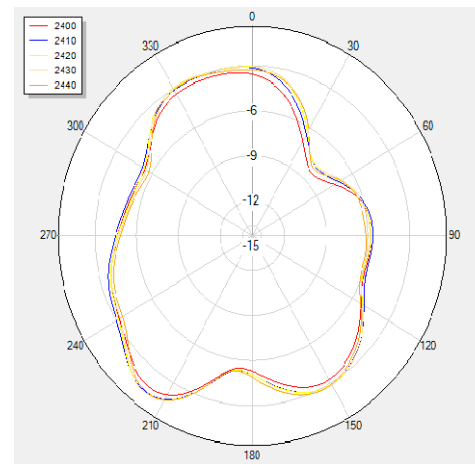
V Phi=0



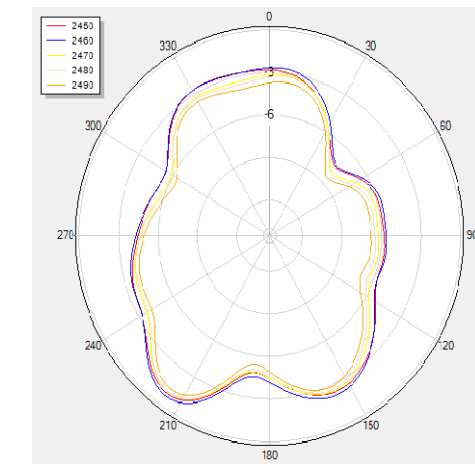
V Phi=0



V Phi=90



V Phi=90



6. Test Results

Frequency ID	Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
1	2400	0.45	-3.96	40.2
2	2410	0.38	-3.81	41.6
3	2420	0.51	-3.88	40.9
4	2430	1	-3.85	41.2
5	2440	0.45	-3.86	41.1
6	2450	0.36	-3.69	42.8
7	2460	0.45	-3.62	43.5
8	2470	0.48	-3.70	42.7
9	2480	0.49	-3.78	41.9
10	2490	0.58	-3.82	41.5
11	2500	0.43	-3.93	40.5