

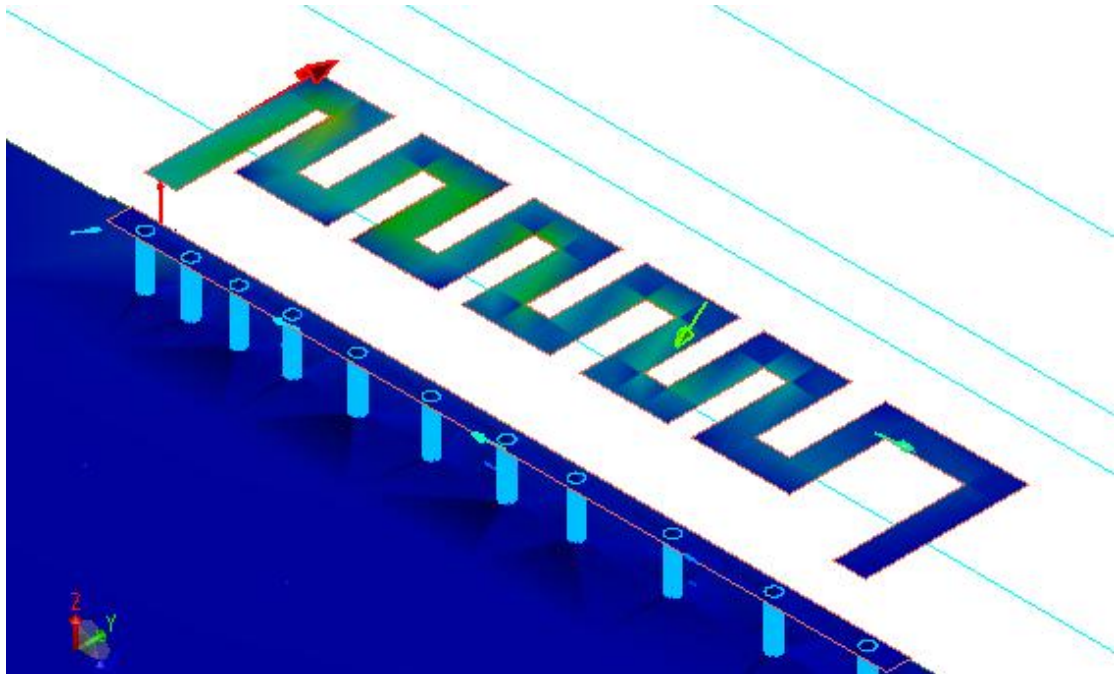
天线性能测试规格书

APPlications

※Bluetooth Home RF

※ISM band 2.4GHz applications

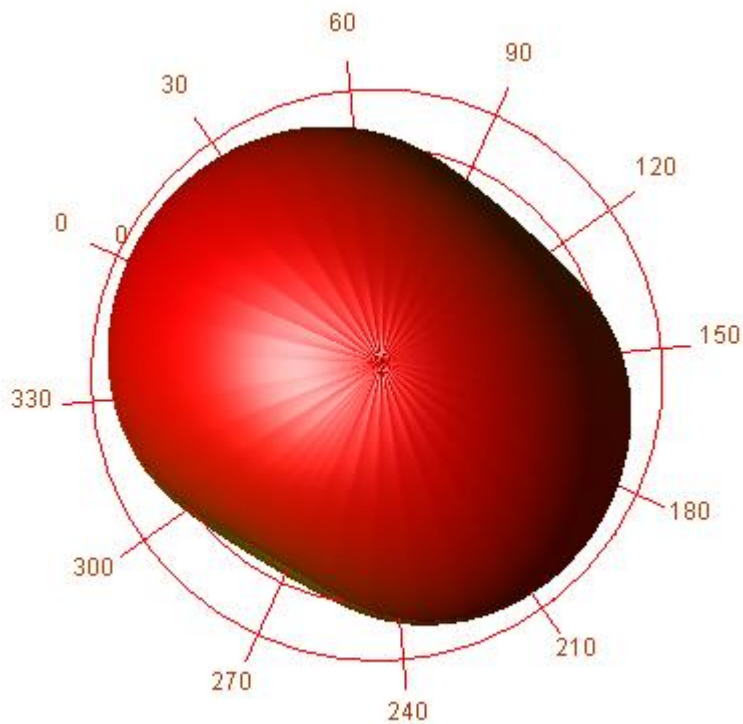
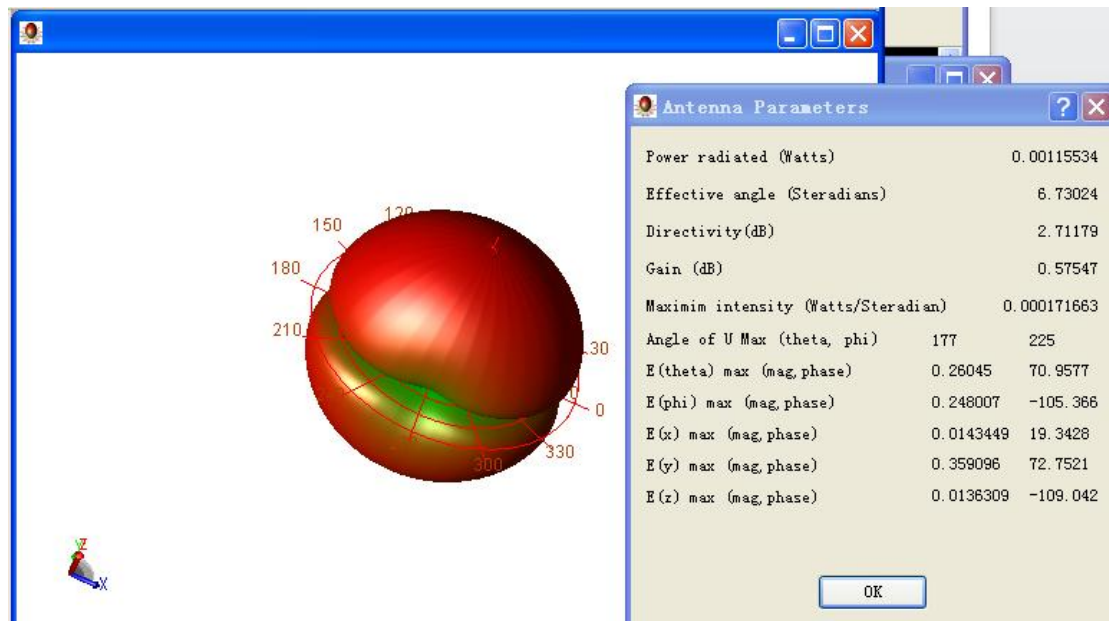
一、Dimensions

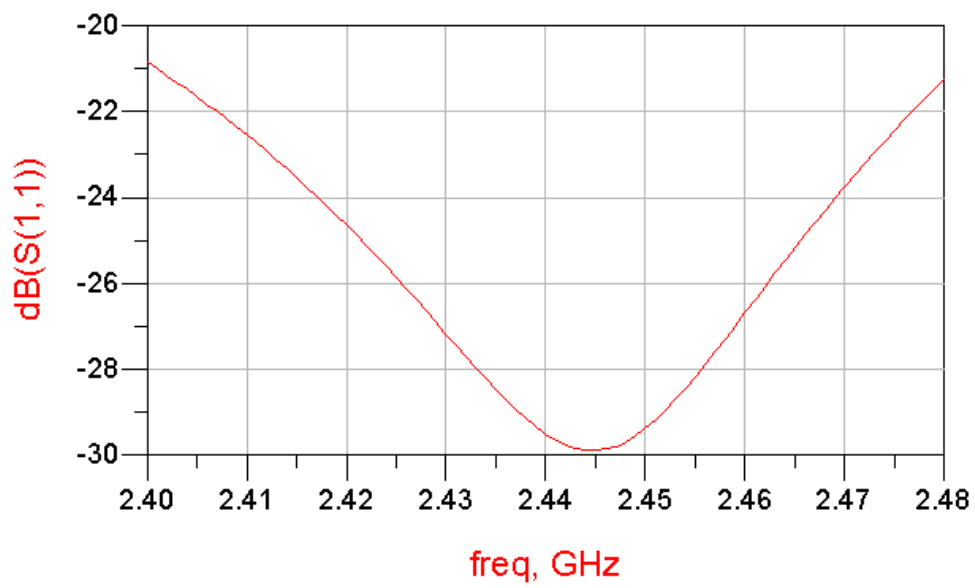


二、Specifications

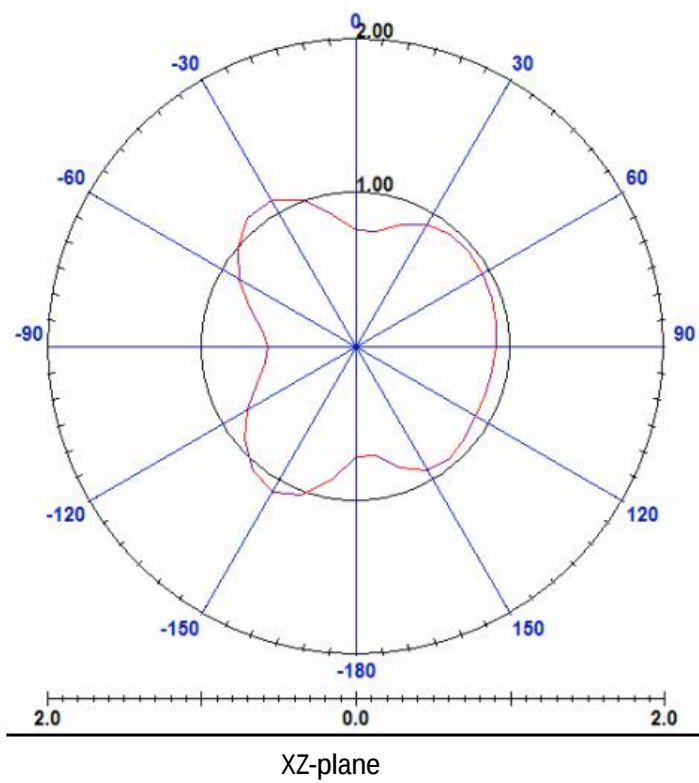
number	Item	Specifications
1	Working Central Frequency	2441 MHz
2	Band Width	(2402-2480)MHz
3	Gain	0dBi
4	VSWR	≤ 2.0
5	Antenna type	PCB antenna
6	Azimuth Beam width	Omni - directional
7	Impedance	50 欧姆

三、软件仿真参数

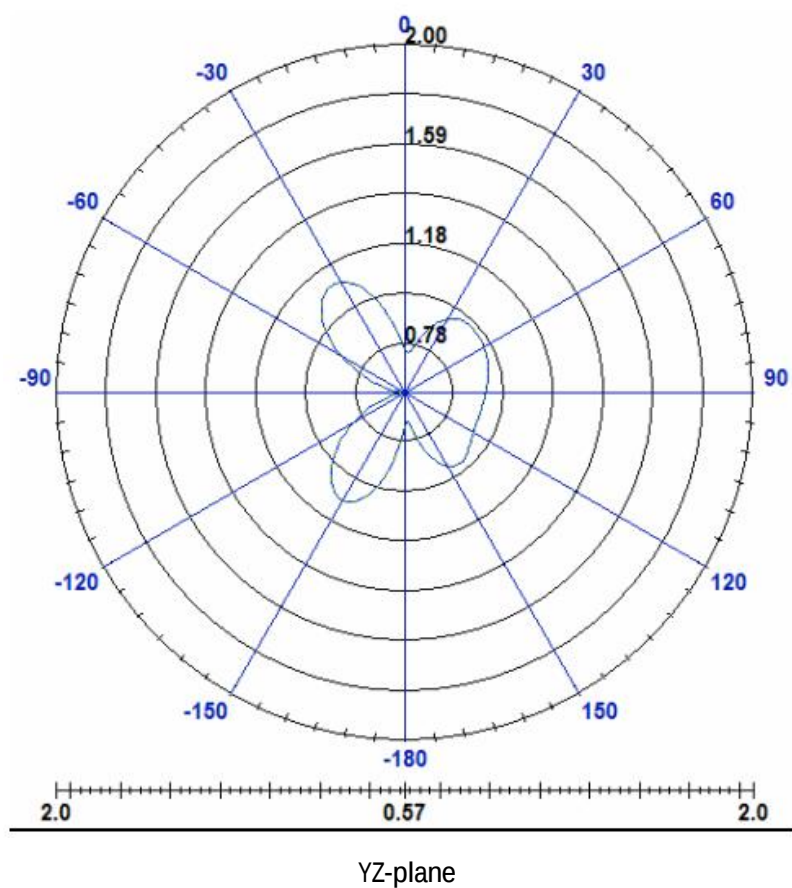




XZ-plane



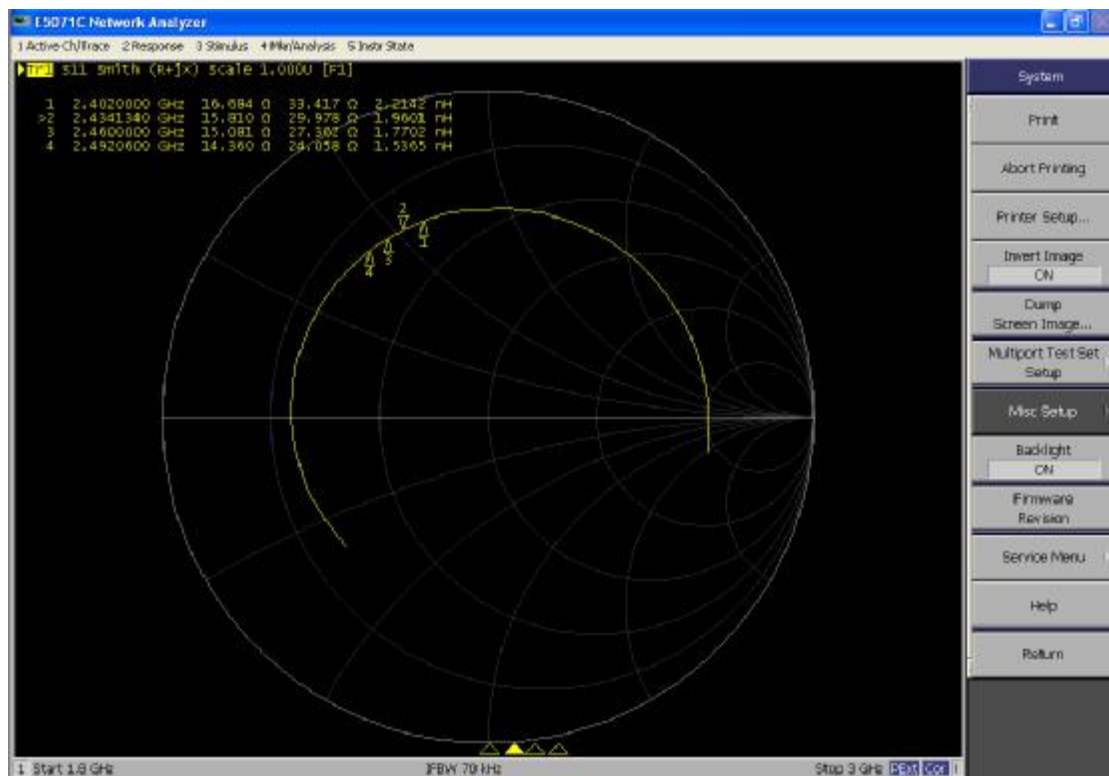
YZ-plane



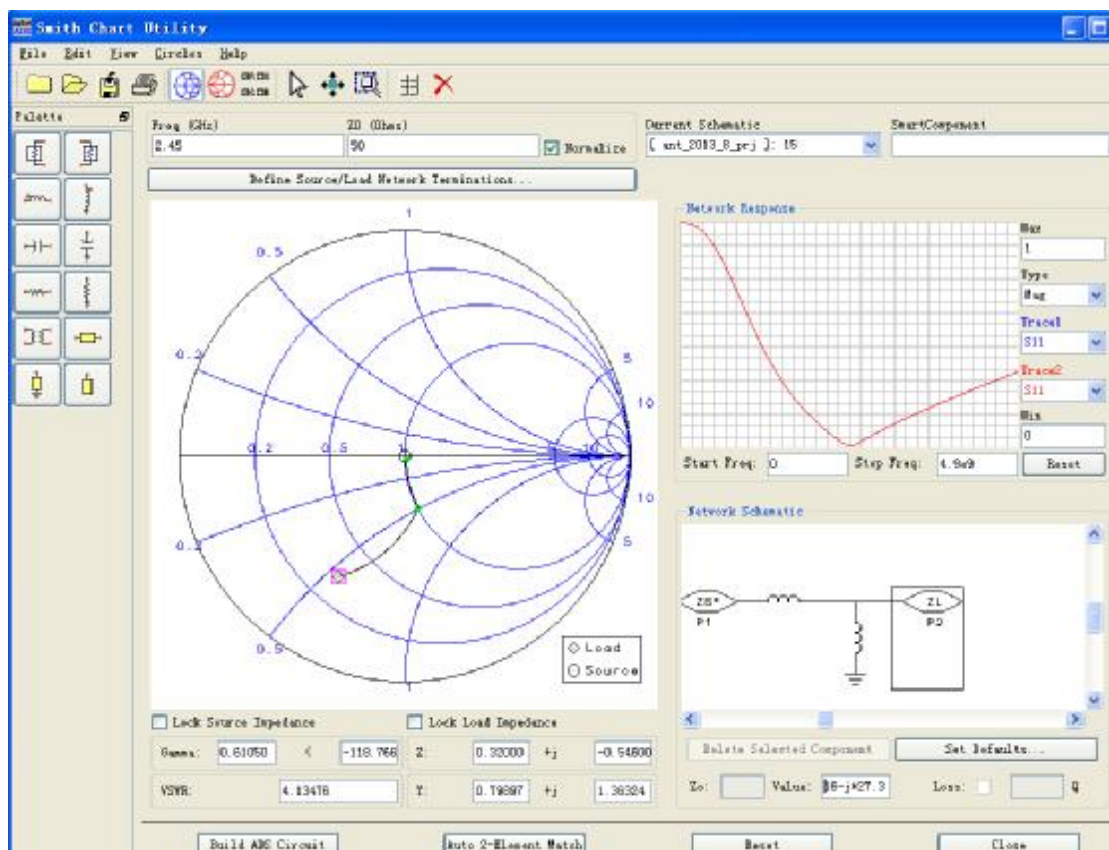
四、仪器实测数据

未进行匹配前的阻抗数据

中心阻抗大约： $16+j27.3$



共轭匹配后



未进行匹配前的阻抗数据

1、Return Loss（匹配后的阻抗）

Mkr1:2402MHz

Mkr2:2434MHz

Mkr3:2460MHz

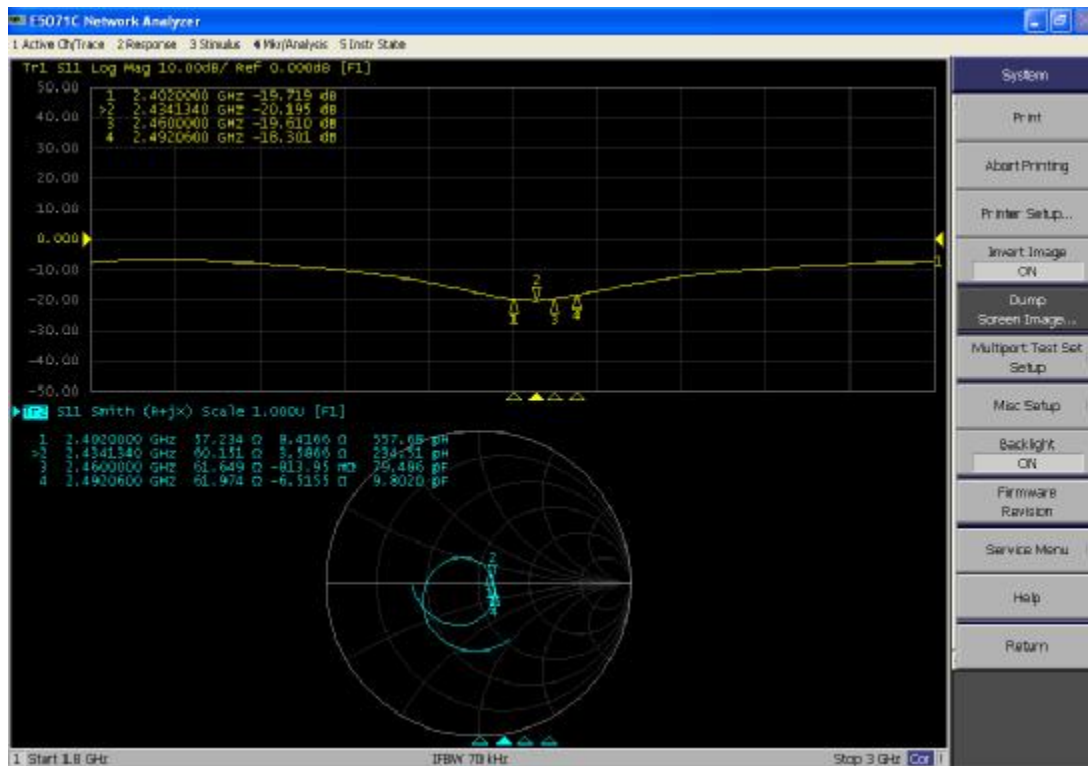
Mkr4:2492MHz

Mkr1:-19.7db

Mkr2:-20.1db

Mkr3:-19.6db

Mkr4:-18.3db



2、VSWR

Mkr1:2402MHz

Mkr2:2434MHz

Mkr3:2460MHz

Mkr4:2492MHz

Mkr1:1.22

Mkr2:1.24

Mkr3:1.28

Mkr4:1.33

