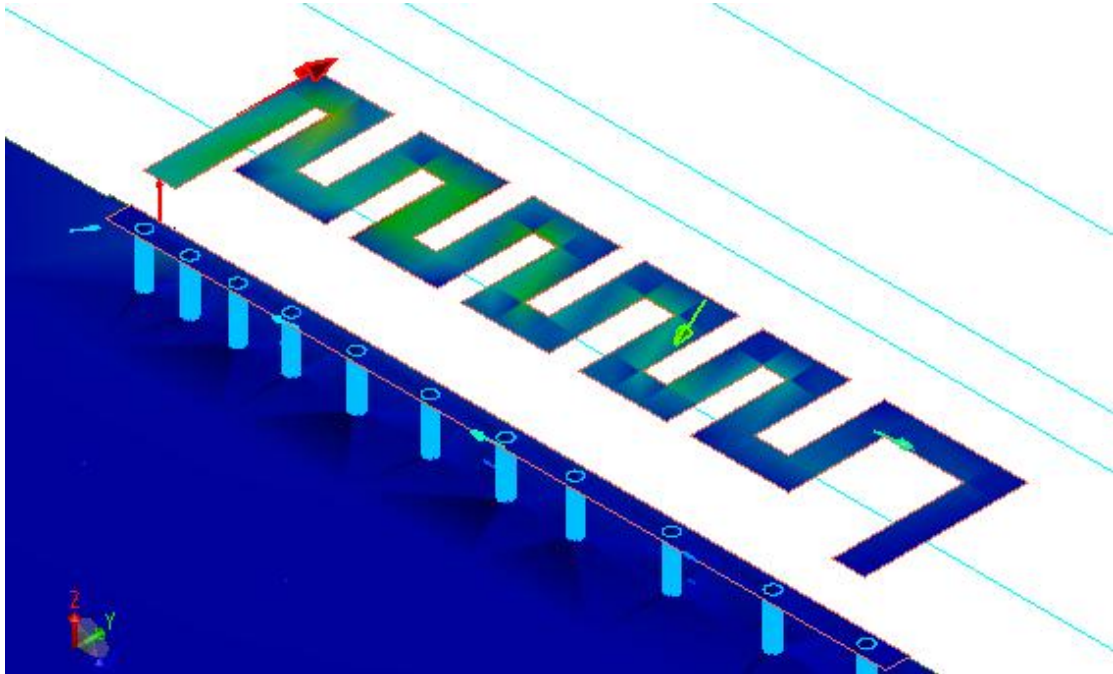


Antenna Specifications

APPlications

- ※ Bluetooth Home RF
- ※ ISM band 2.4GHz applications

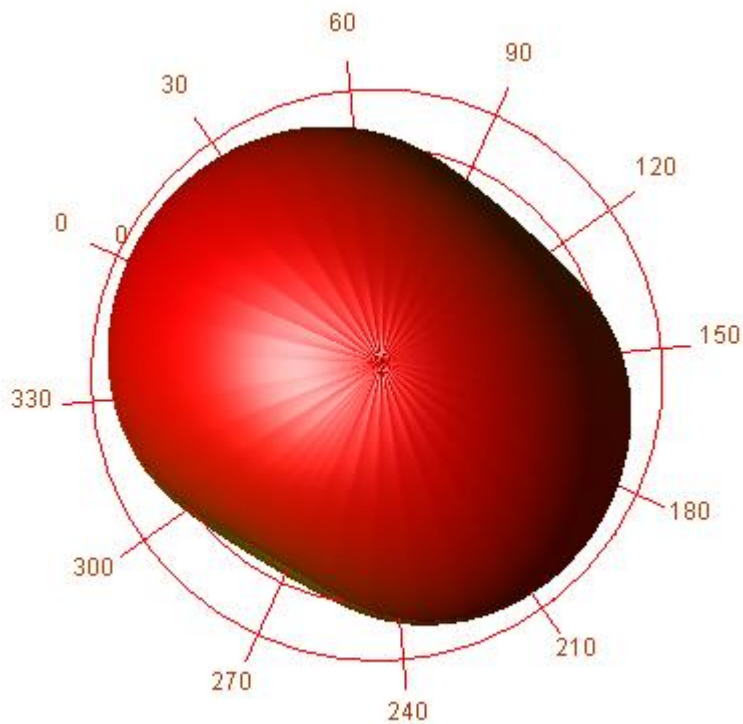
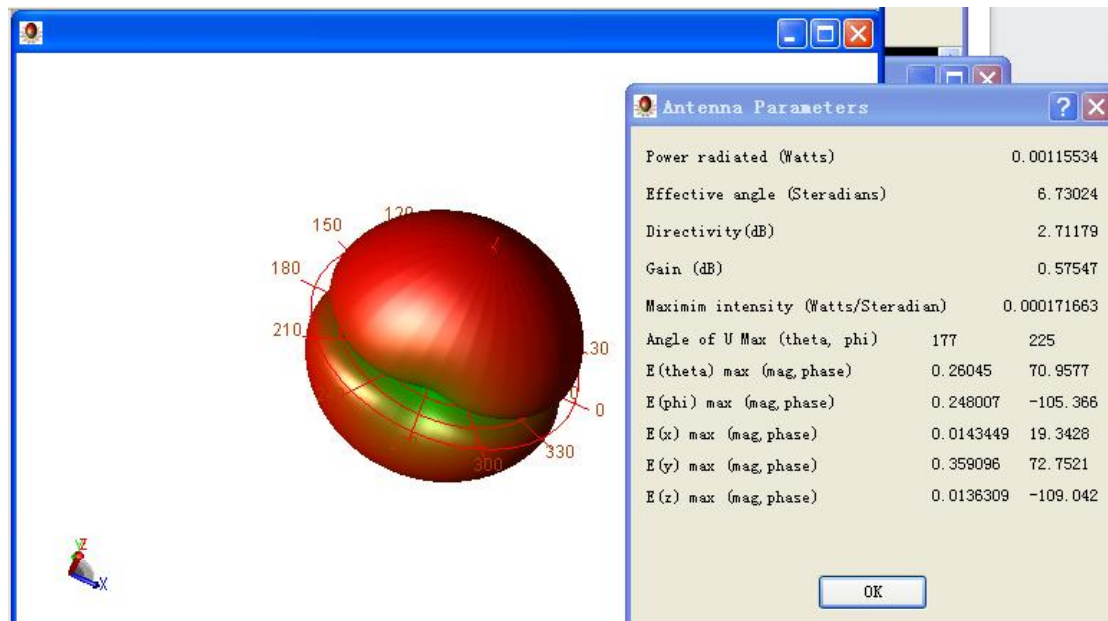
1. Dimensions

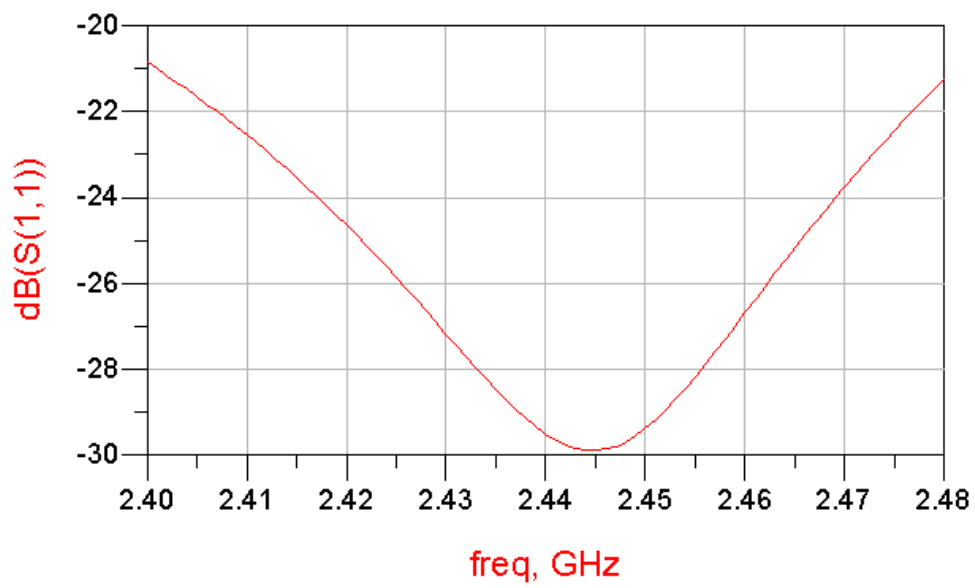


2. Specifications

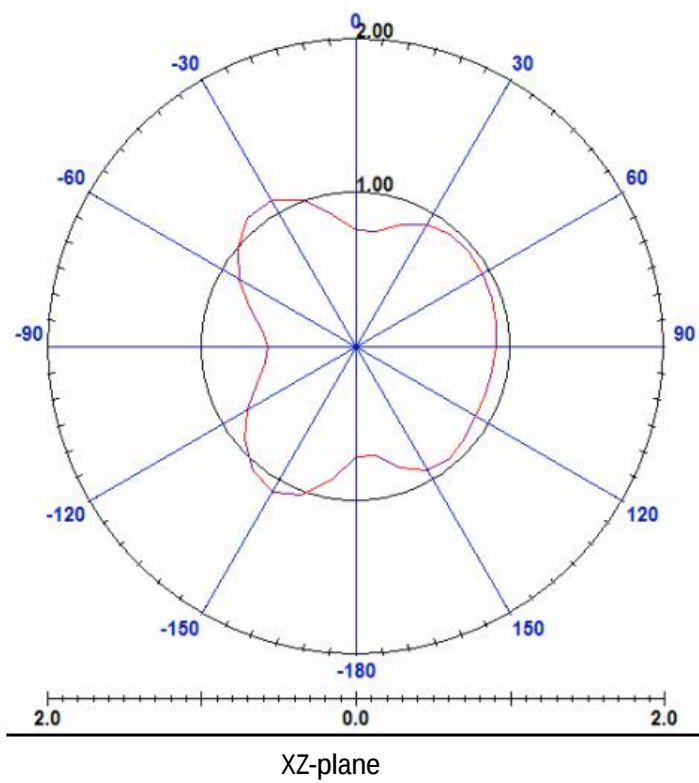
Item	Specifications
Model	RF-BM-S01
Manufacturer	CME Electronics Technology Co., LTD
Address	Suite B, 18 th Floor, Jingwange No. 303, Qinglv Road South, Gongbei, Zhuhai 519020, Guangdong Province, China
Frequency Range	2402-2480MHz
Gain	0dBi
VSWR	≤2.0
Antenna type	PCB antenna
Azimuth Beam-width	Omni-directional
Impedance	50 Ω

3. Software simulation parameters

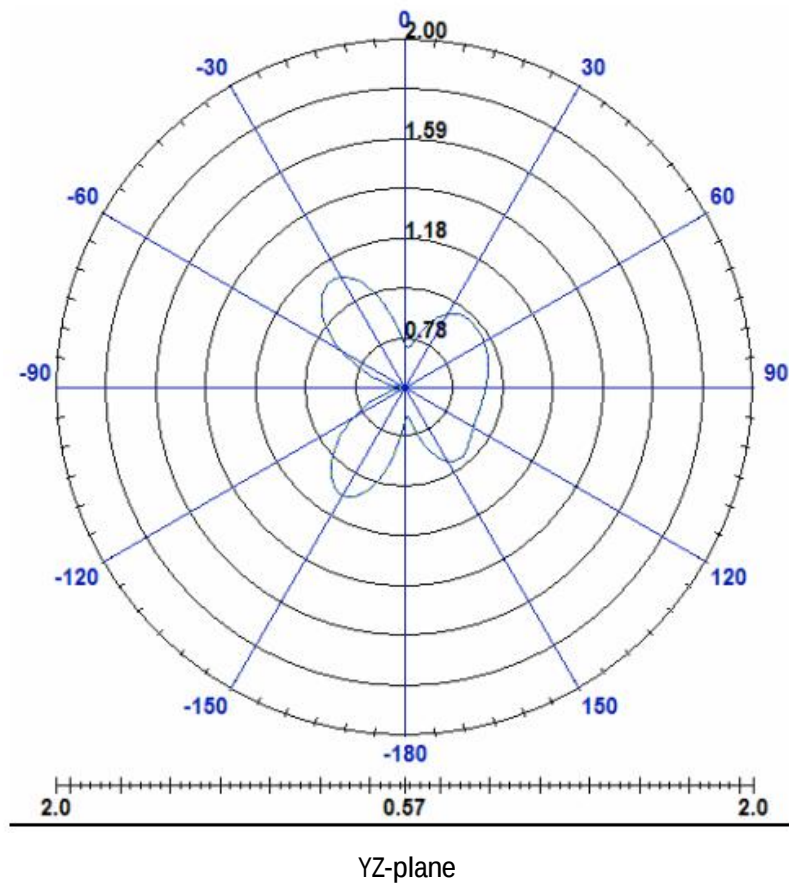




XZ-plane



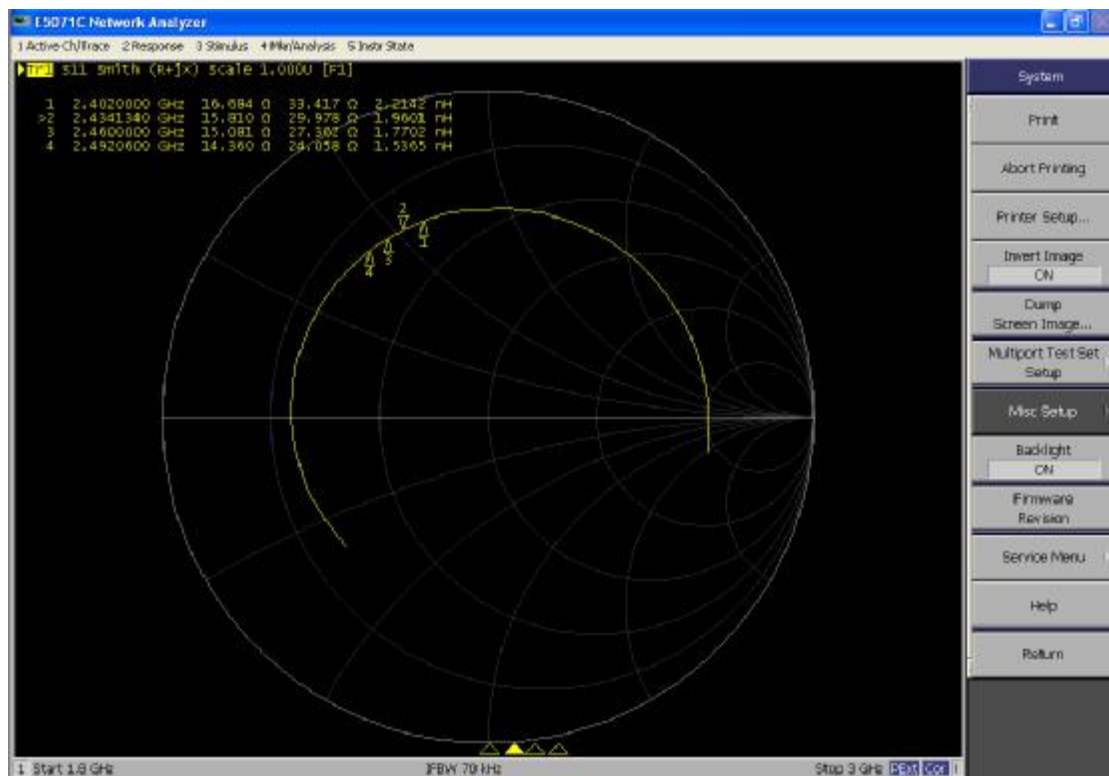
YZ-plane



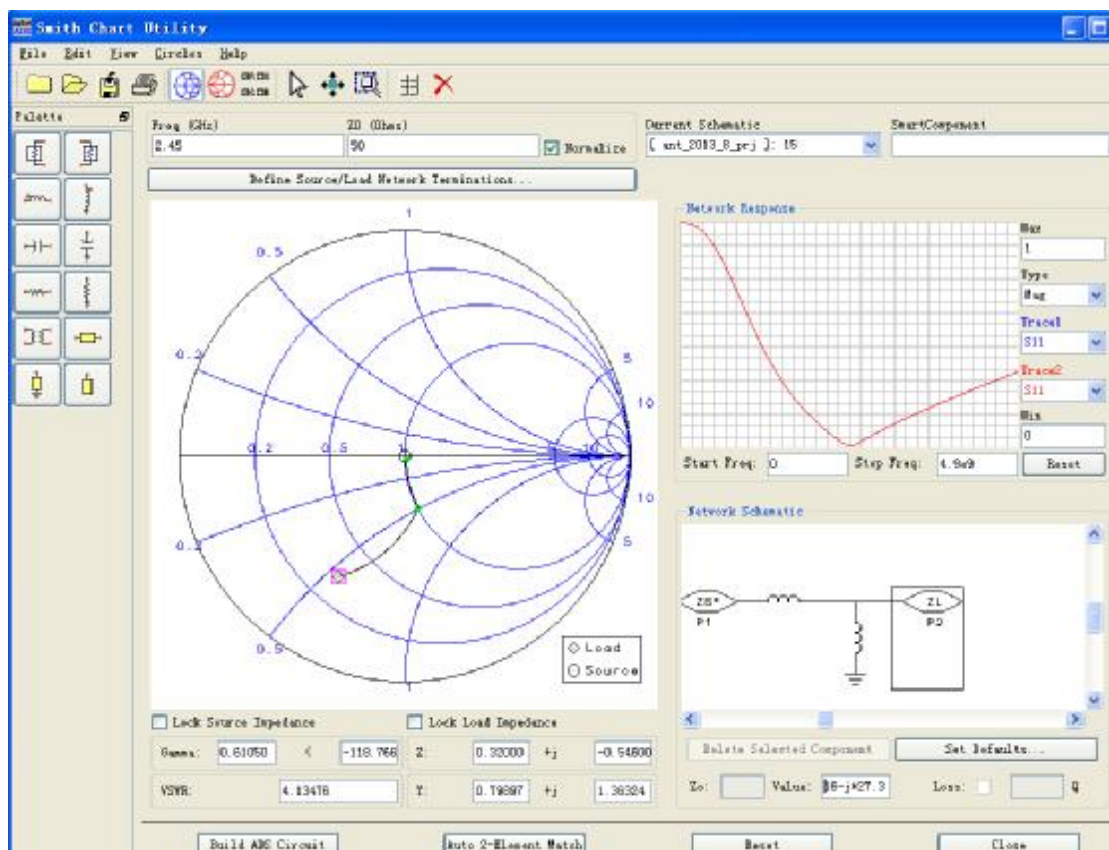
4. Instrument measured data

Impedance data before matching

The central impedance is approximately: $16+j27.3$



共轭匹配后



Impedance data before matching

1、Return Loss (**Matched impedance**)

Mkr1:2402MHz

Mkr2:2434MHz

Mkr3:2460MHz

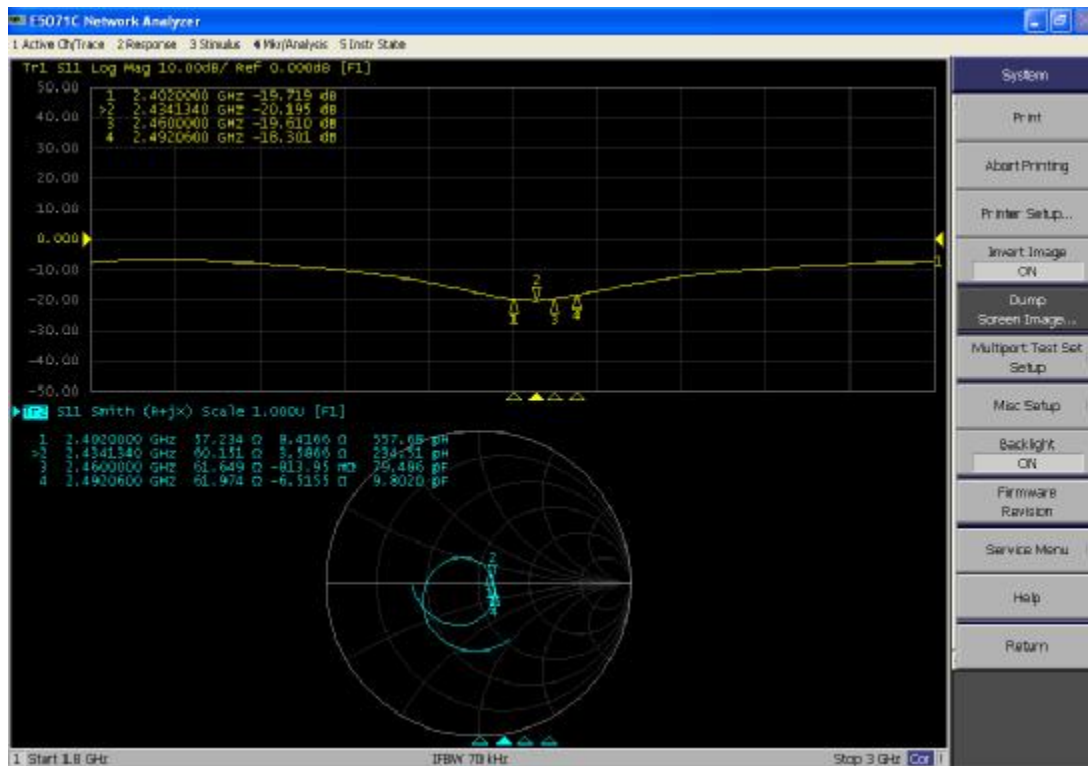
Mkr4:2492MHz

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

