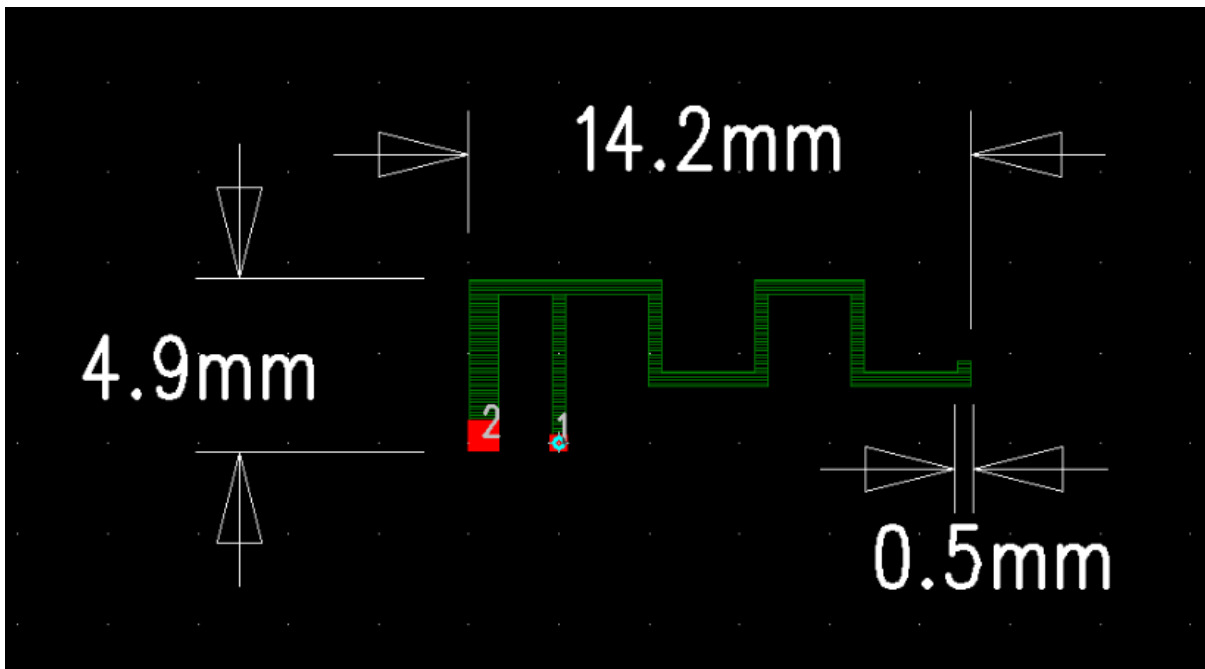


# Antenna Report

## Applications

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

## 1.Dimensions



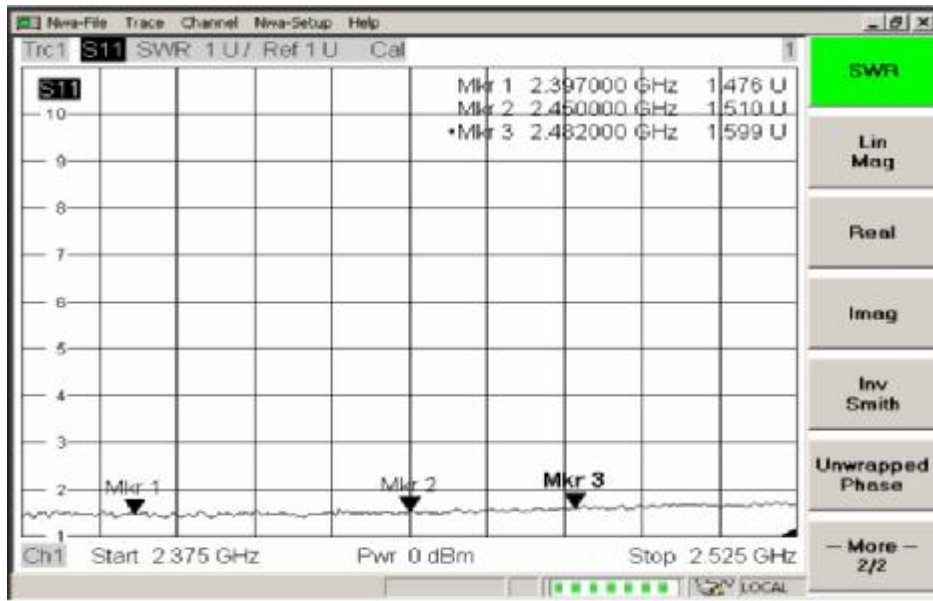
## 2.Specifications

| number | Item                      | Specifications     |
|--------|---------------------------|--------------------|
| 1      | Working Central Frequency | 2441 MHz           |
| 2      | Band Width                | (2402-2480)MHz     |
| 3      | Gain                      | 3dBi               |
| 4      | VSWR                      | ≤2.0               |
| 5      | Antenna type              | PCB antenna        |
| 6      | Azimuth Beam width        | Omni - directional |
| 7      | Impedance                 | 50 欧姆              |
| 8      | Modulation mode           | GFSK               |

### 3. 仪器测试、软件仿真参数

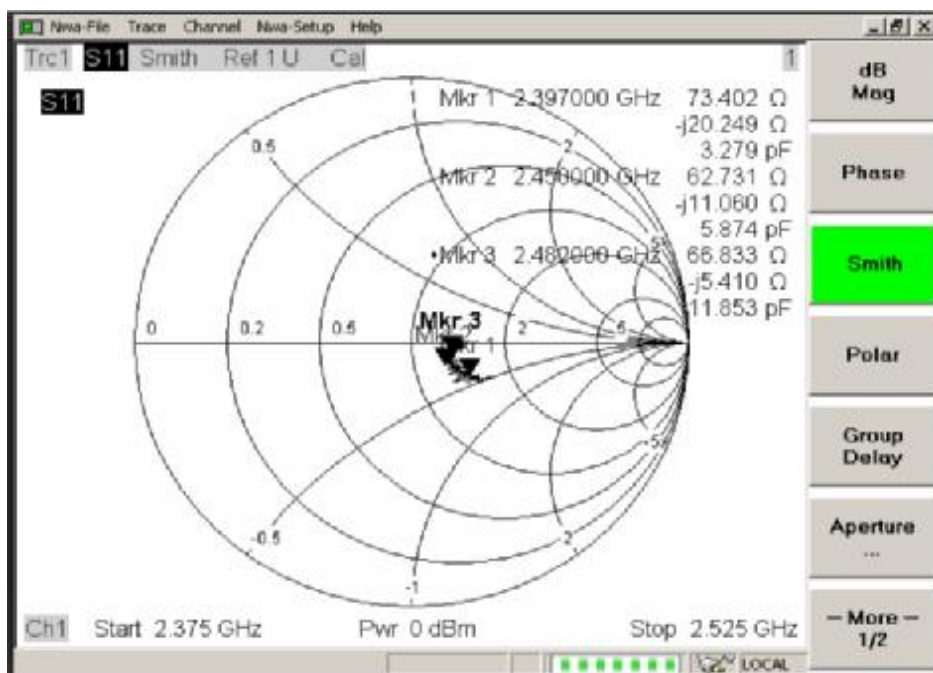
#### ① VSWR

Mkr1: 2397MHz 1.47    Mkr2: 2450MHz 1.51    Mkr3: 2482 MHz 1.59



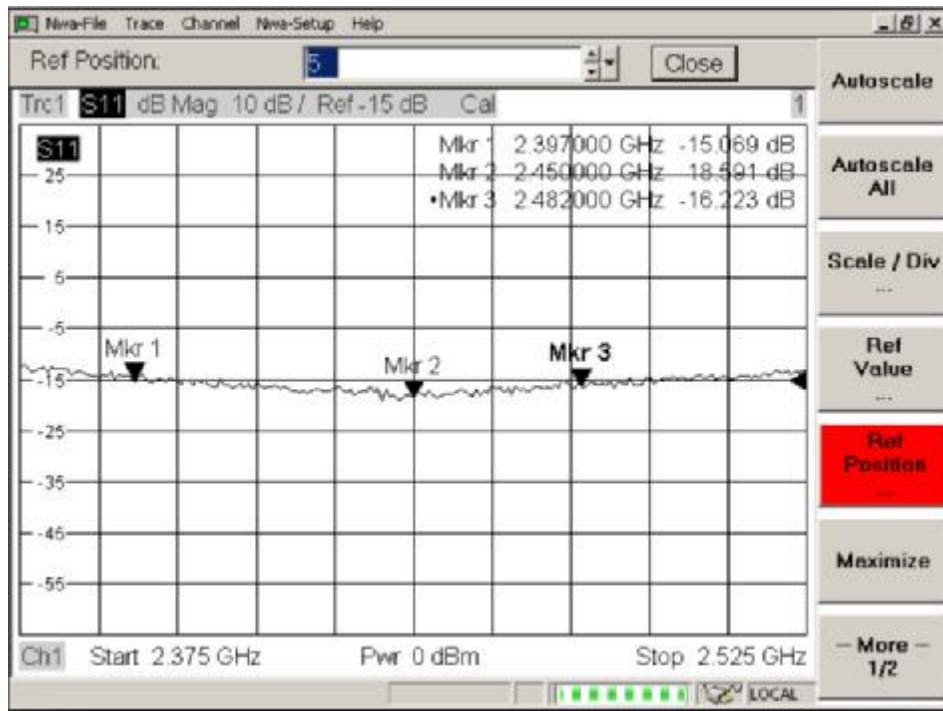
#### ② Smith Char

Mkr1: 2397MHz 73.4    Mkr2: 2450MHz 62.7    Mkr3: 2482MHz 66.8



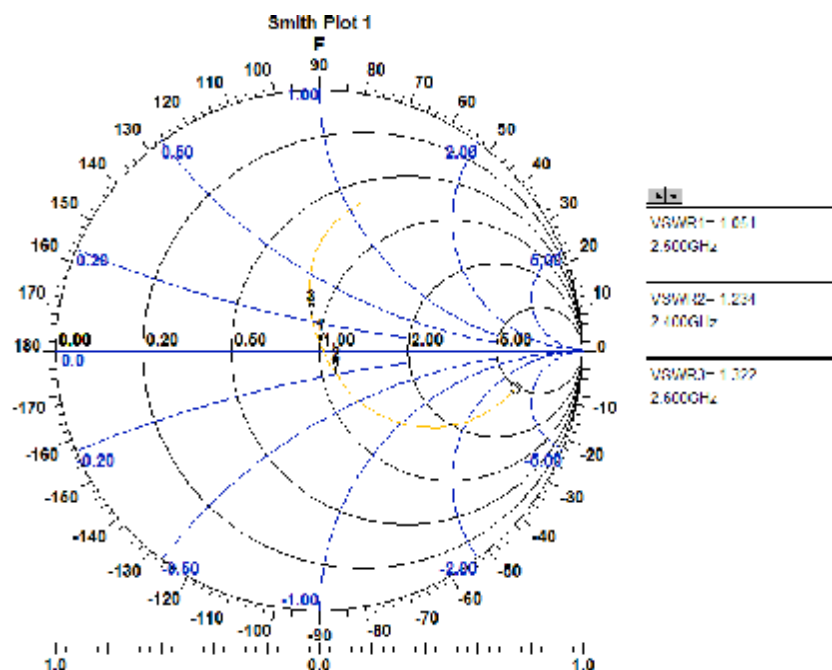
## ③Return Loss

Mkr1: 2397MHz -15    Mkr2: 2450MHz -18    Mkr3: 2482 MHz -16



## ④Smith Char 仿真

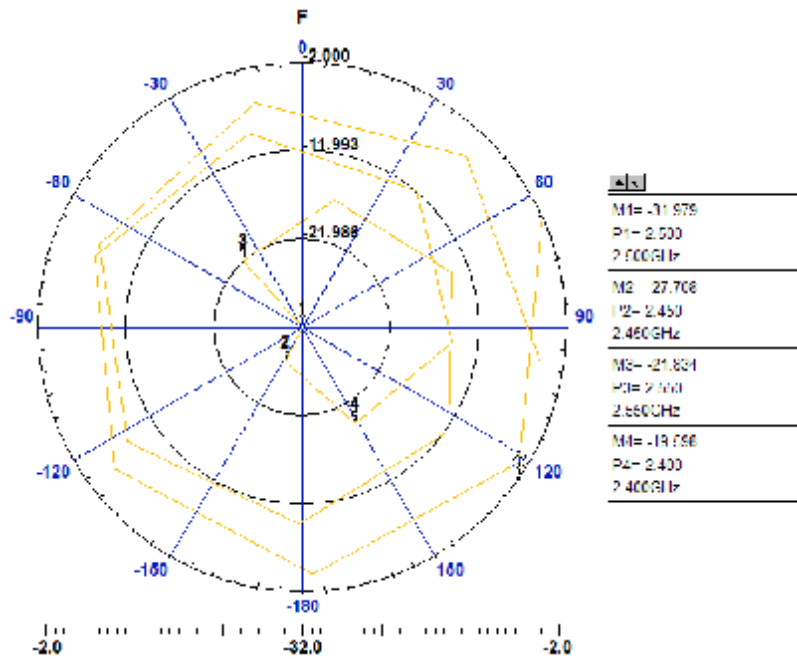
Mkr1: 2400MHz 1.234    Mkr2: 2500MHz 1.051    Mkr3: 2600MHz 1.322



### ⑤Return Loss 仿真

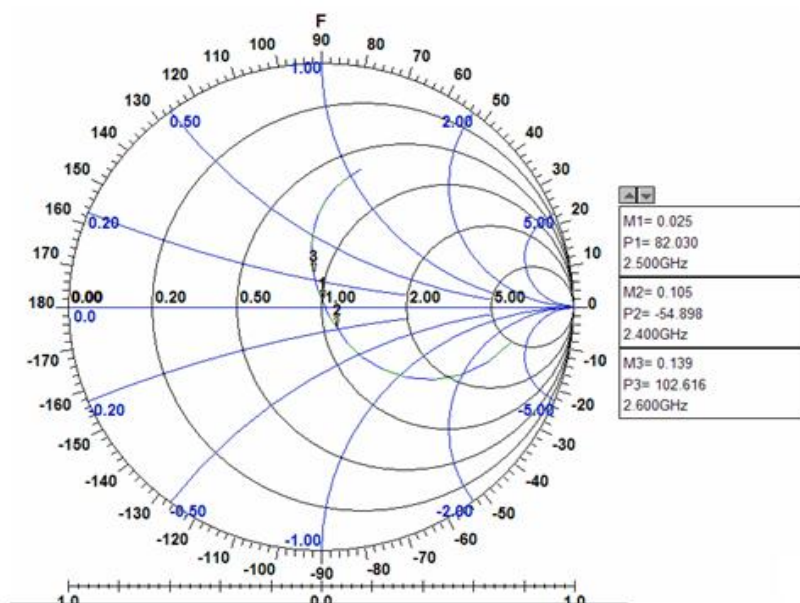
Mkr1: 2400MHz -19.59    Mkr2: 2450MHz -27.70    Mkr3: 2500MHz -31.97

Mkr4: 2550MHz -21.83



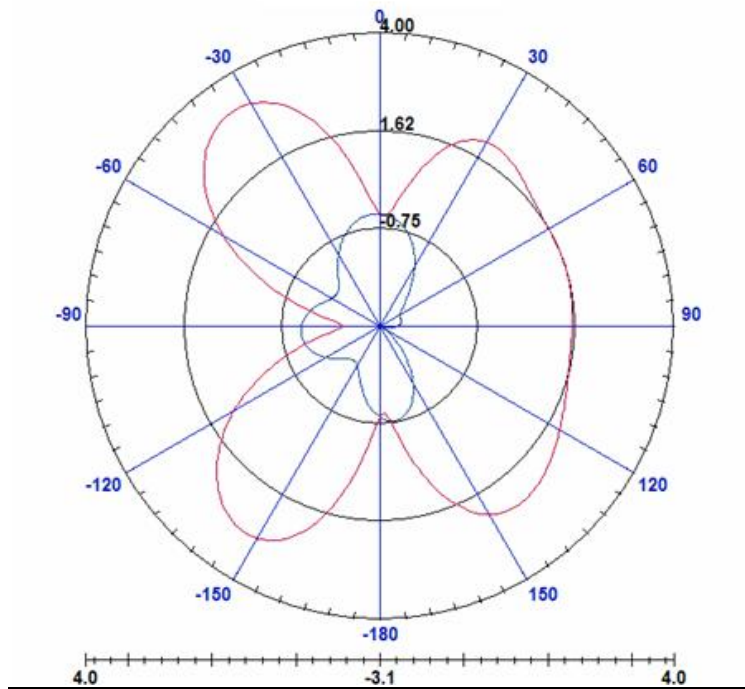
### ⑥Phase 仿真

Mkr1: 2400MHz -54.89    Mkr2: 2500MHz -82.03    Mkr3: 2600MHz -102.6

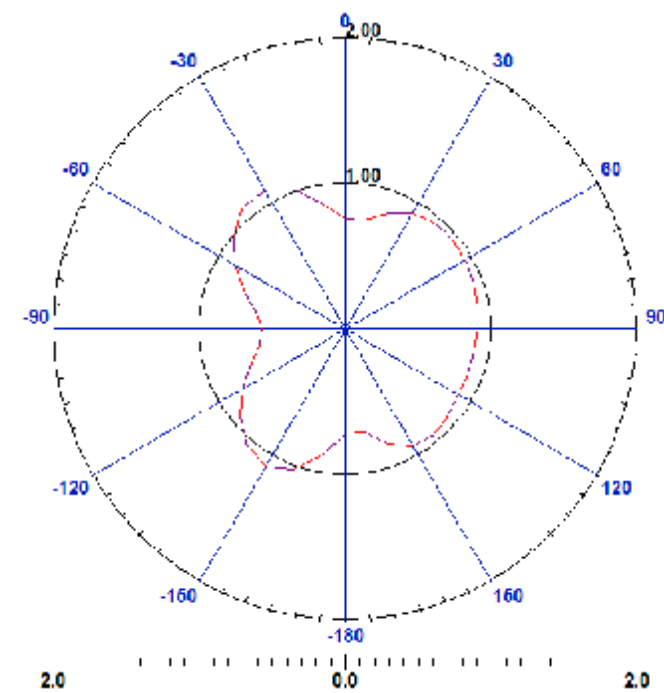


## 4. Radiation Patterns

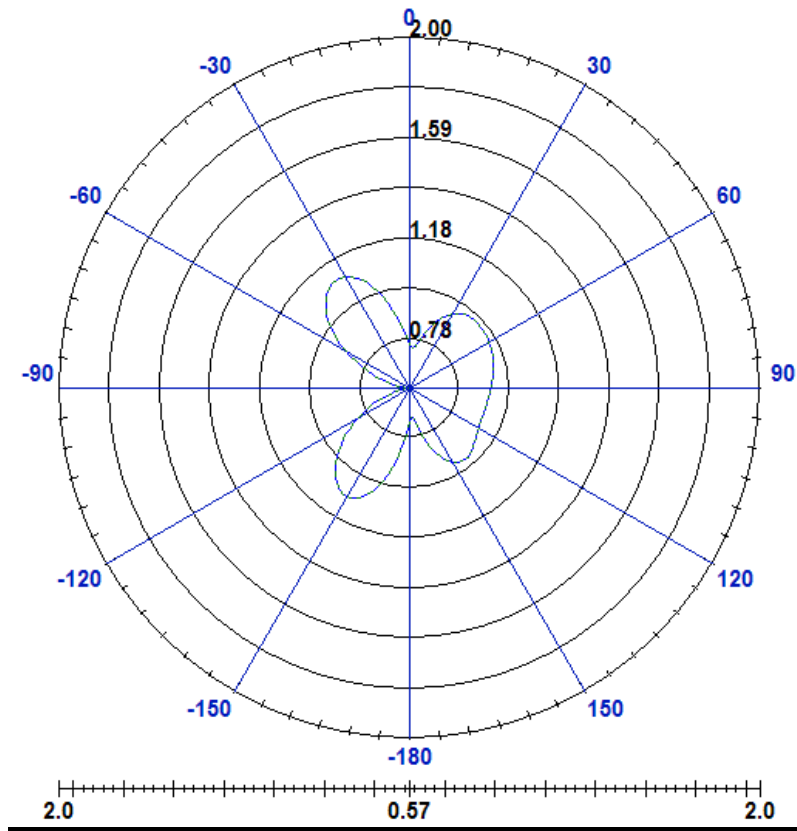
XY-plane



XZ-plane



YZ-plane



3D 辐射场型图

