

※Bluetooth Home RF

※ISM band 2.4GHz applications

Manufacturer : Guangli Hechuang Technology Co., Ltd.  
Address : No.213 Shajing Road Shatou Village Shajing  
Street Baoan District, Shenzhen, China  
Model : BSP-D8

## 1. Dimensions



Size:10mm\*5mm

## 2. Specifications

| number | Item                      | Specifications     |
|--------|---------------------------|--------------------|
| 1      | Working Central Frequency | 2441 MHz           |
| 2      | Band Width                | (2402-2480)MHz     |
| 3      | Gain                      | 0dBi               |
| 4      | VSWR                      | $\leq 2.0$         |
| 5      | Antenna type              | PCB antenna        |
| 6      | Azimuth Beam width        | Omni - directional |
| 7      | Impedance                 | 50 $\Omega$        |
| 8      | Modulation mode           | GFSK               |

### 3. 仪器测试、软件仿真参数

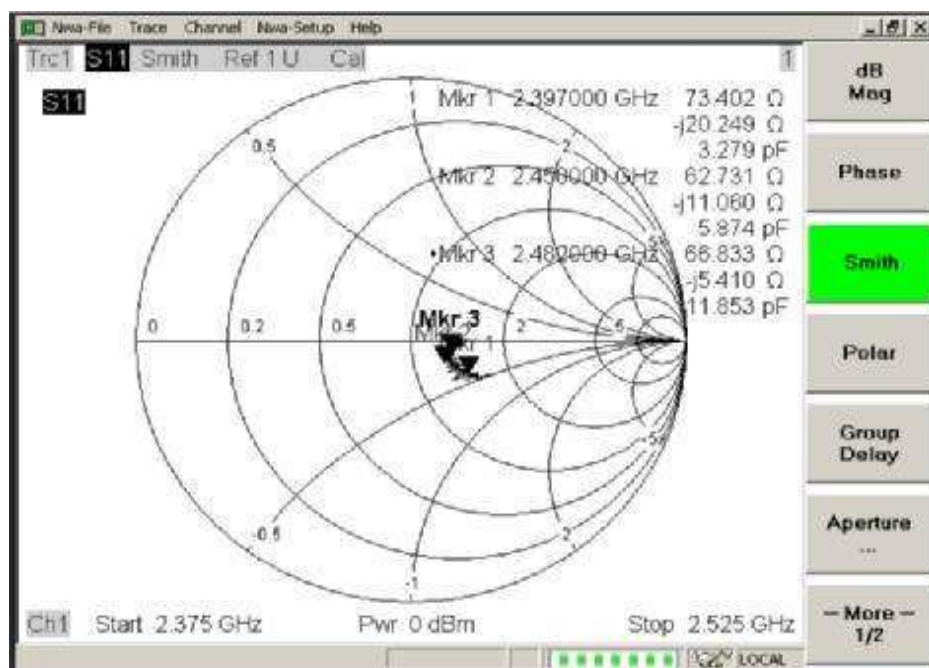
#### ① VSWR

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



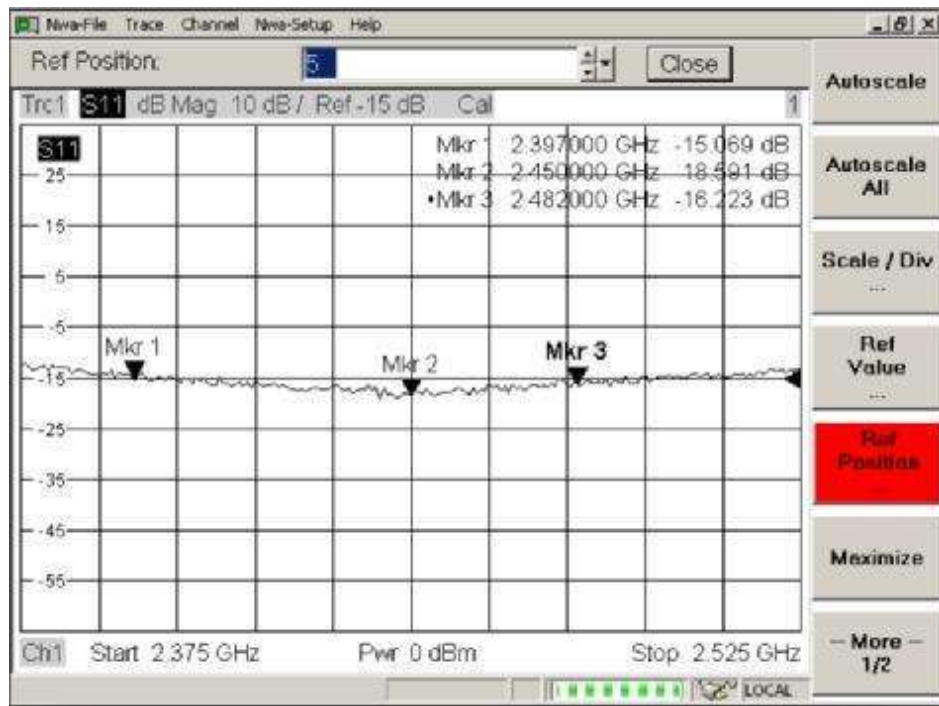
#### ② Smith Char

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



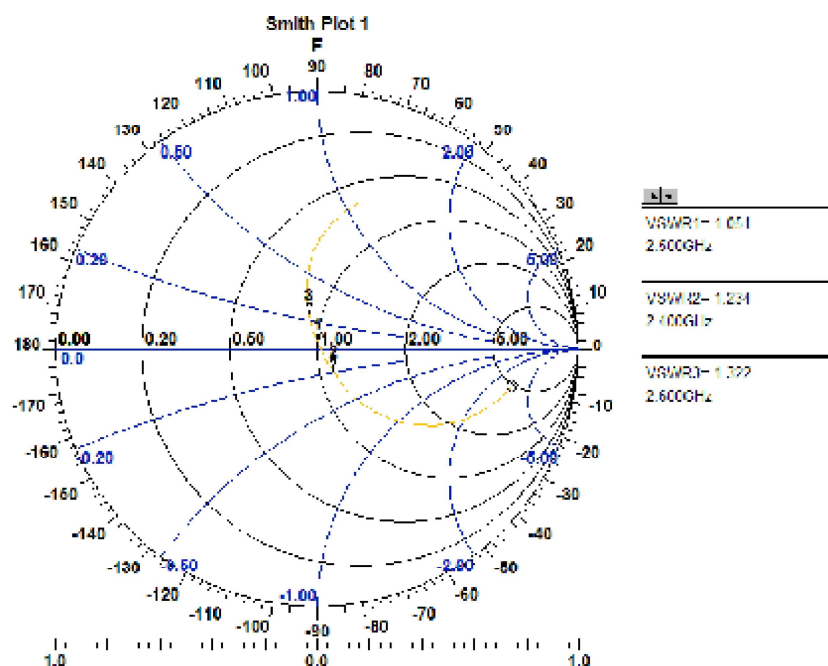
### ③Return Loss

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



### ④Smith Char 仿真

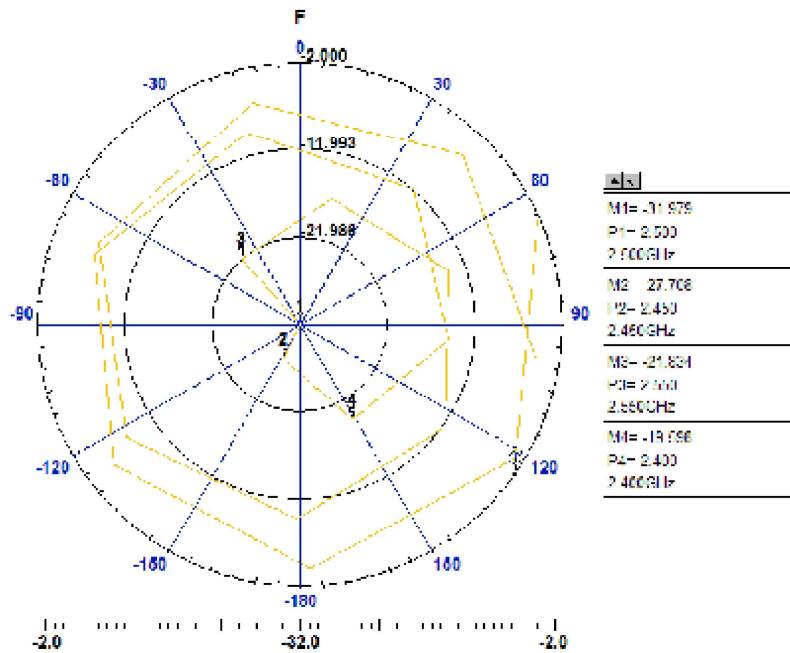
Mkr1: 2400MHz 1.234    Mkr2: 2500MHz 1.051    Mkr3: 2600MHz 1.322



### ⑤Return Loss 仿真

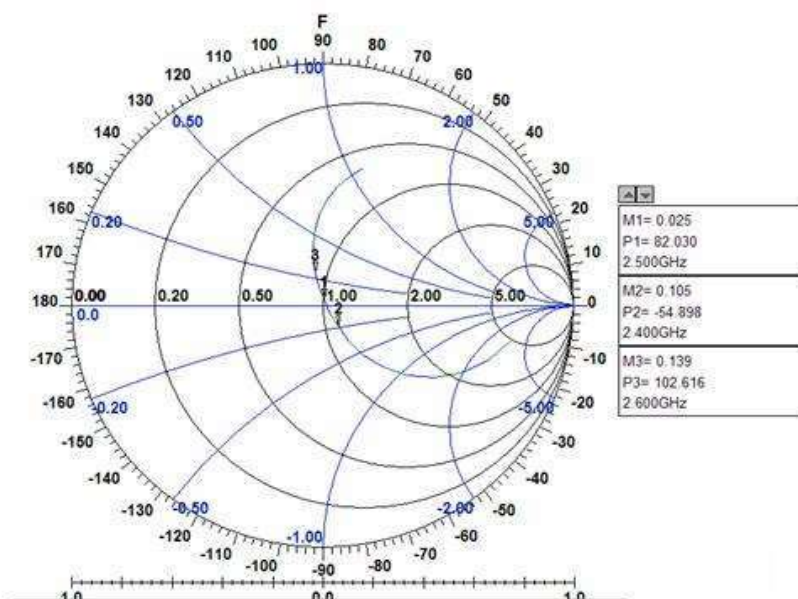
Mkr1: 2400MHz -19.59 Mkr2: 2450MHz -27.70 Mkr3: 2500MHz -31.97

Mkr4: 2550MHz -21.83



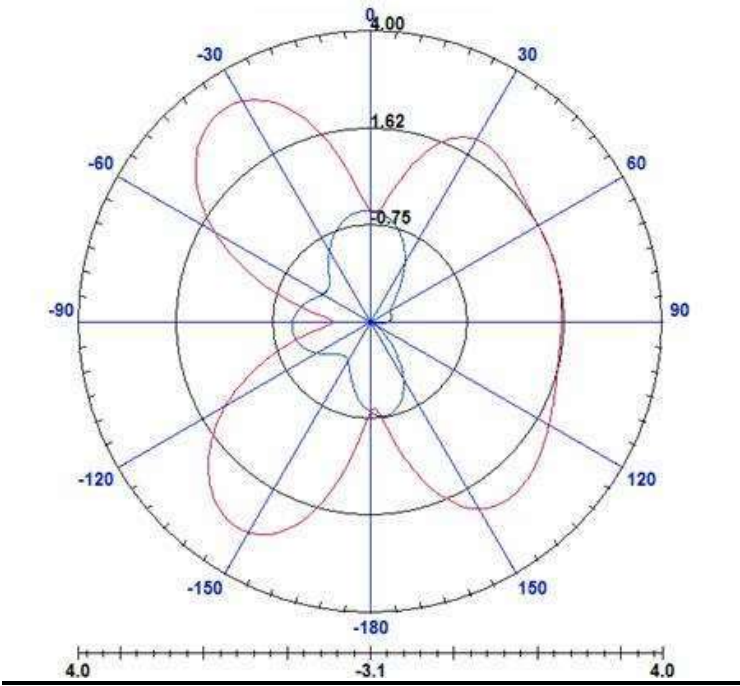
### ⑥Phase

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

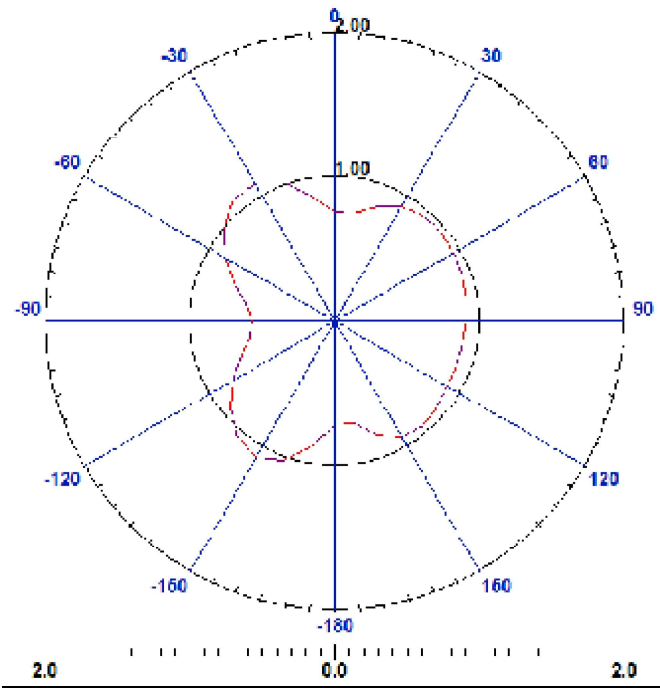


4. Radiation Patterns

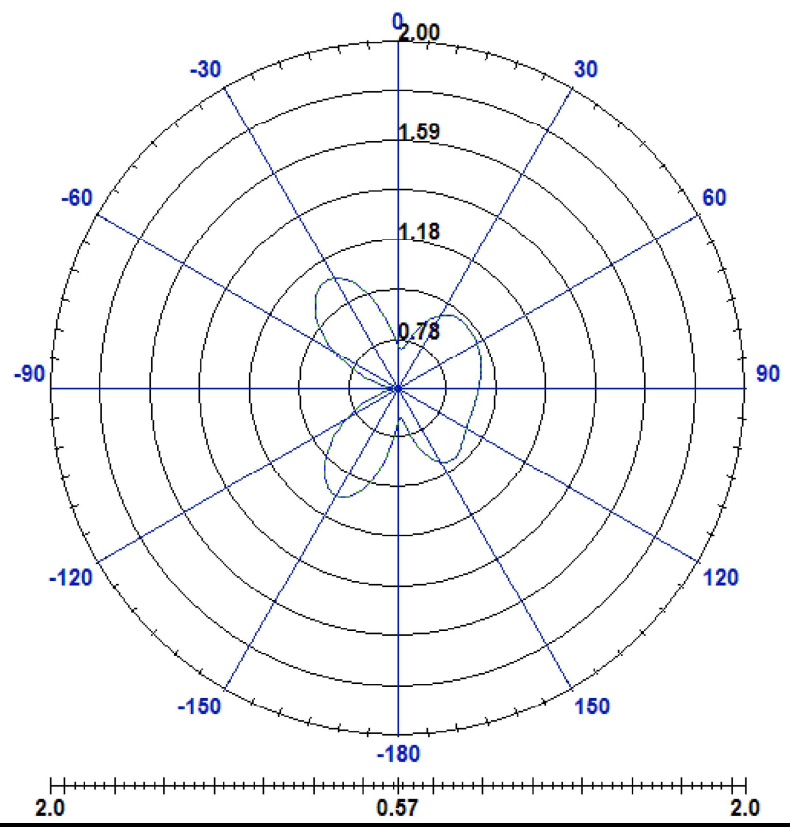
XY-plane



XZ-plane



YZ-plane



3D Test Data

