

佛山市稳锐锁业科技有限公司

**Foshan Wenrui Lock Industry Technology Co., Ltd**

Customer Name: \_\_\_\_\_

Supplier specification model: **2.4GHz PCB antenna**

Customer Material Code: \_\_\_\_\_

Customer Material Name: **2.4GHz PCB antenna**

Customer specifications Model: \_\_\_\_\_

出厂签章:

| 核准 | 审核 | 制作 |
|----|----|----|
|    |    |    |

客户承认签章:

承认结果: ☐ 合格 ☐ 不合格

| 批准 | 审核 | 检验 |
|----|----|----|
|    |    |    |

The basic parameters

|                                          |                   |
|------------------------------------------|-------------------|
| A. Electrical Characteristics            |                   |
| Frequency                                | 2400 MHz ~2500MHz |
| VSWR                                     | ≤2                |
| Efficiency                               | >60%              |
| Impedance                                | 50 Ohm            |
| Polarization                             | Linear            |
| Gain                                     | 2.62dBi           |
| B. Material & Mechanical Characteristics |                   |
| Material of Radiator                     |                   |
| Cable Type                               |                   |
| C. Environmental                         |                   |
| Operation Temperature                    | - 20 °C ~ + 60 °C |
| Storage Temperature                      | - 40 °C ~ + 80 °C |

## Test Equipment & Conditions

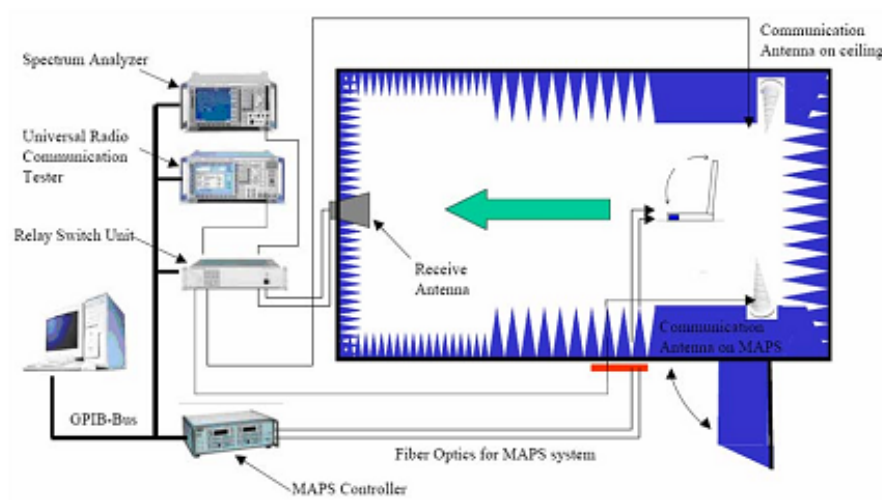
### 1. Network Analyzers :

Agilent 8753D 5071C

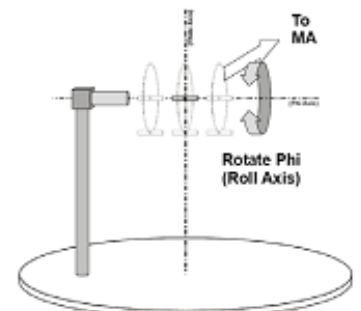
### 2. Communications Test Set:

Agilent 8960 CMW500

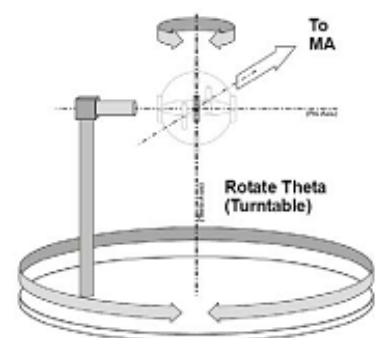
### 3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



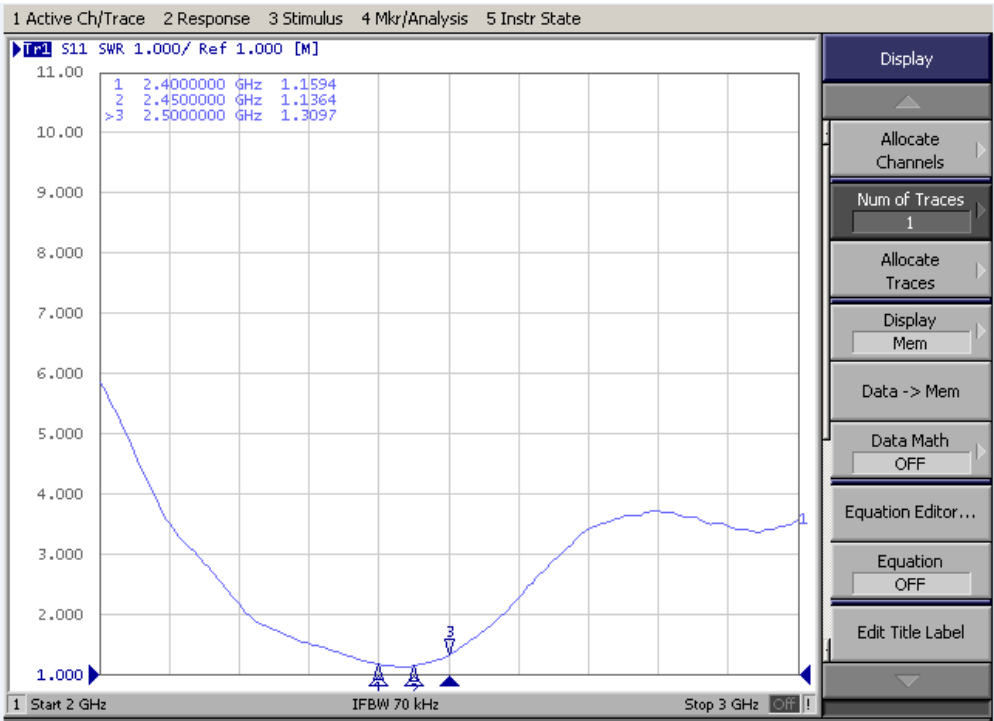
Phi axis test



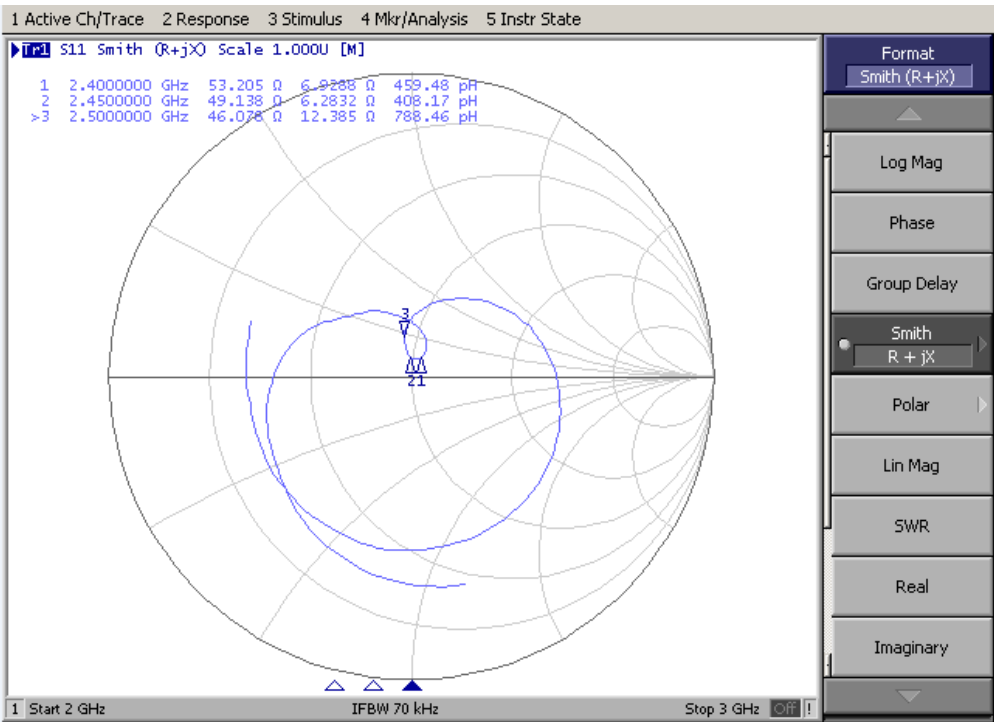
Theta axis test

测试数据

SWR



Smith



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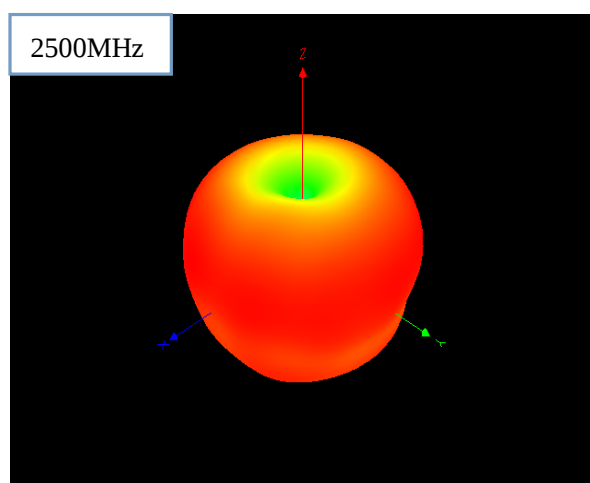
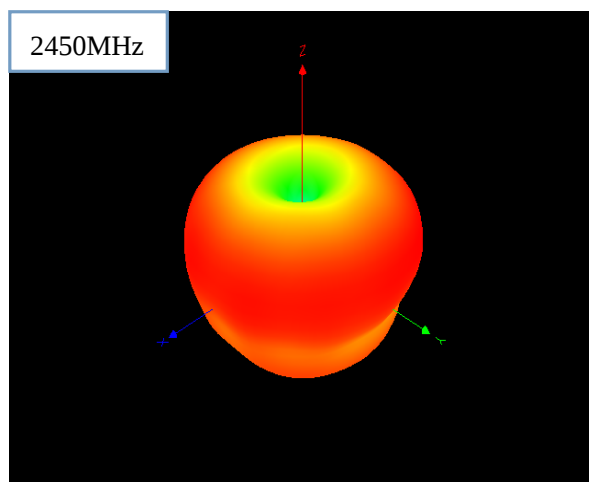
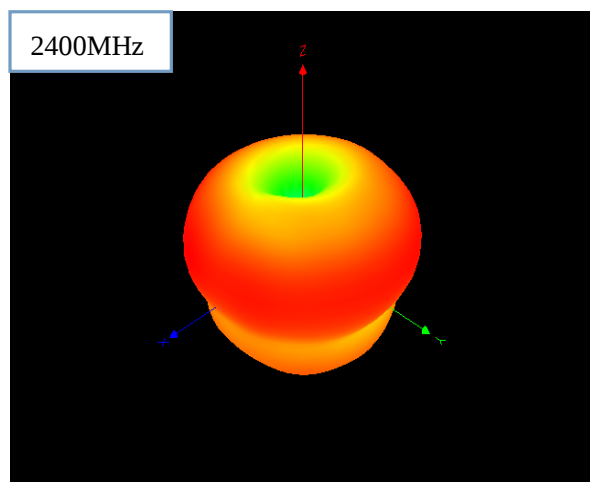
效率&增益:

## Efficiency&Gain

| Freq (MHz) | Effi (%) | Gain (dBi) |
|------------|----------|------------|
| 2400       | 78.11    | 2.89       |
| 2410       | 72.92    | 2.42       |
| 2420       | 70.83    | 2.26       |
| 2430       | 70.92    | 2.13       |
| 2440       | 74.66    | 2.50       |
| 2450       | 73.87    | 2.62       |
| 2460       | 73.71    | 2.59       |
| 2470       | 78.62    | 2.46       |
| 2480       | 79.16    | 2.52       |
| 2490       | 73.55    | 2.03       |
| 2500       | 71.22    | 2.03       |

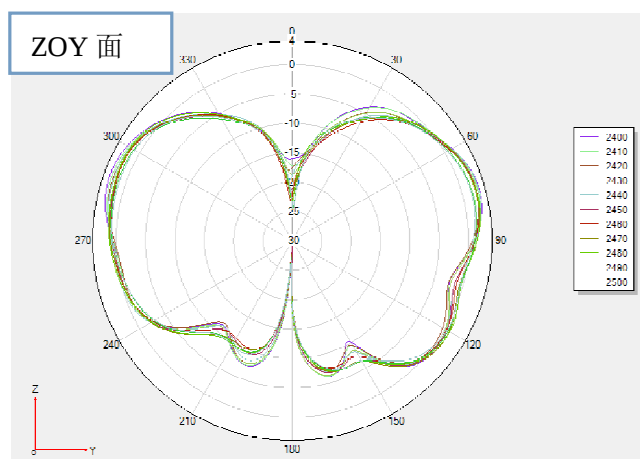
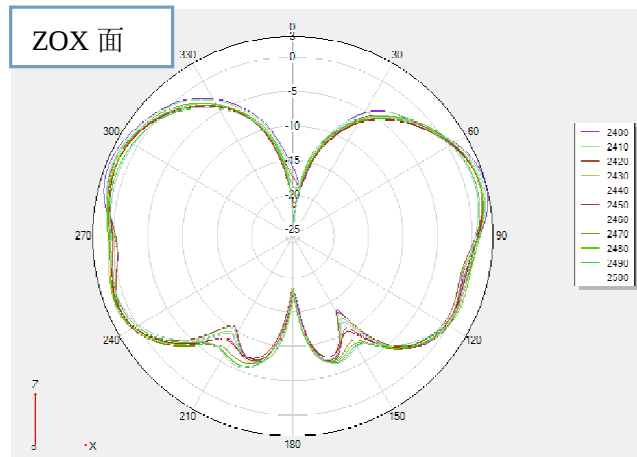
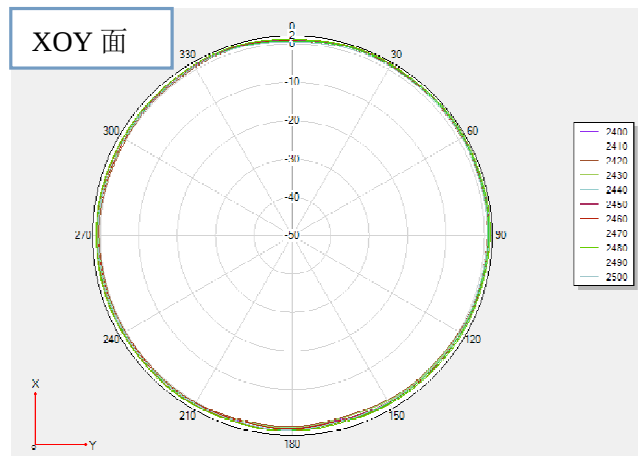
## 方向图(3D图)

### Patten



## 方向图(2D图)

### Patten



## 天线图片Antenna picture

Antenna

