

## SPECIFICATIONS FOR APPROVAL

**Customer Name:** 伊欧乐

**Product Name:** BT 天线

**Product Model:** C2200BA10

**Part Number:**

**Write By :** 覃荣发

**Issued Date:** 2023-05-05

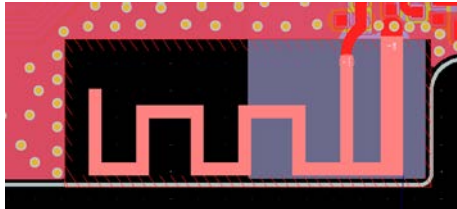
### CUSTOMER

| ENGINEER R&D DEPT | BUSSINESS DEPT | APPROVED BY |
|-------------------|----------------|-------------|
|                   |                |             |

### SOUTHSTAR

| R & D D E P T | ENGINEER R&D DEPT | APPROVAL |
|---------------|-------------------|----------|
|               |                   |          |

## The basic parameters:

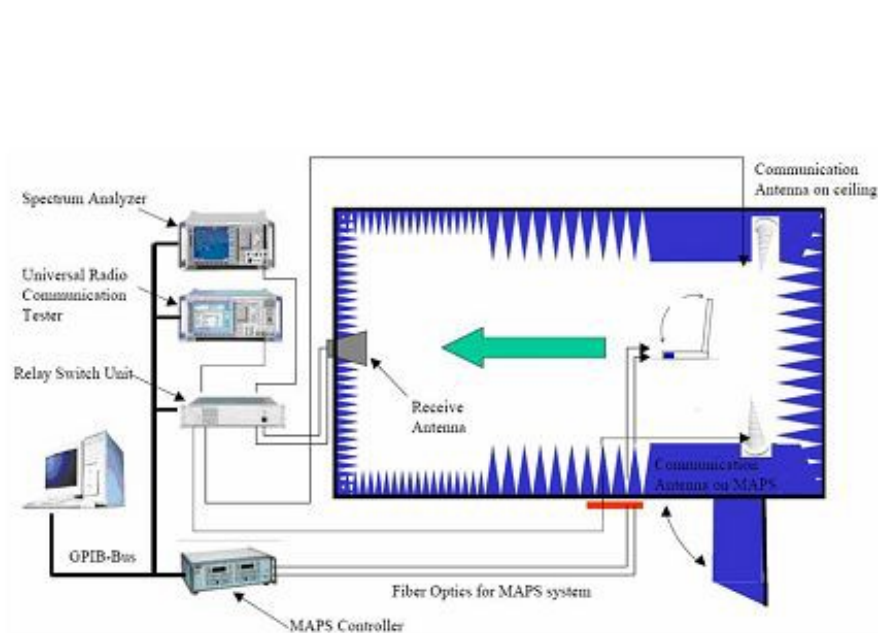
| A. Electrical Characteristics            |                                                                                      |
|------------------------------------------|--------------------------------------------------------------------------------------|
| Frequency                                | 2400 MHz ~2500 MHz                                                                   |
| VSWR                                     | < 2                                                                                  |
| Efficiency                               | >40%50                                                                               |
| Impedance                                | Ohm                                                                                  |
| Polarization                             | Linear                                                                               |
| Gain                                     | 1.41 dbi                                                                             |
| Size                                     | Length:14.65mm;Width:5.65mm;<br>Line width:0.76mm and 0.88mm                         |
| B. Material & Mechanical Characteristics |                                                                                      |
| Material of Radiator                     | PCB          black                                                                   |
| Cable Type                               |  |
| Connector Type                           |                                                                                      |
| Dimension                                |                                                                                      |
| C. Environmental                         |                                                                                      |
| Operation Temperature                    | -10 °C ~+ 50 °C                                                                      |
| Storage Temperature                      | - 30 °C ~+ 85 °C                                                                     |

## Test Equipment & Conditions

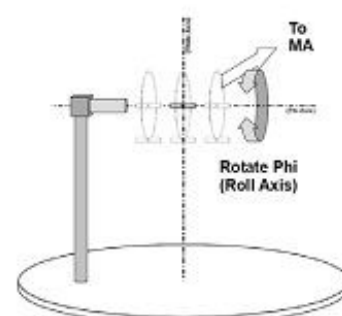
### 1. Network Analyzers :

Agilent E5071C

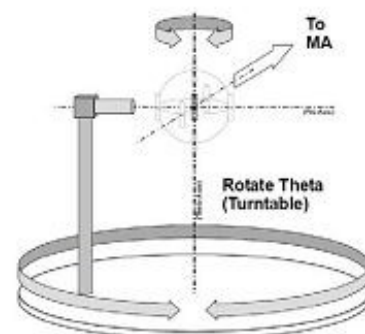
### 2. 3D Chamber Test System



(Testing by 3D anechoic chamber)

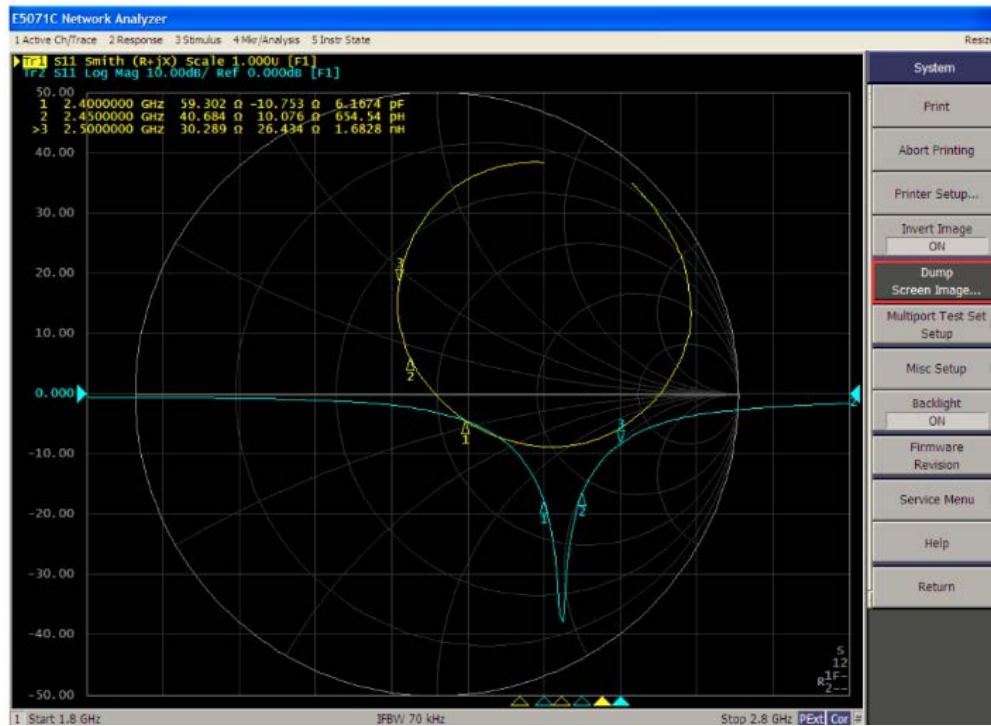


Phi axis test

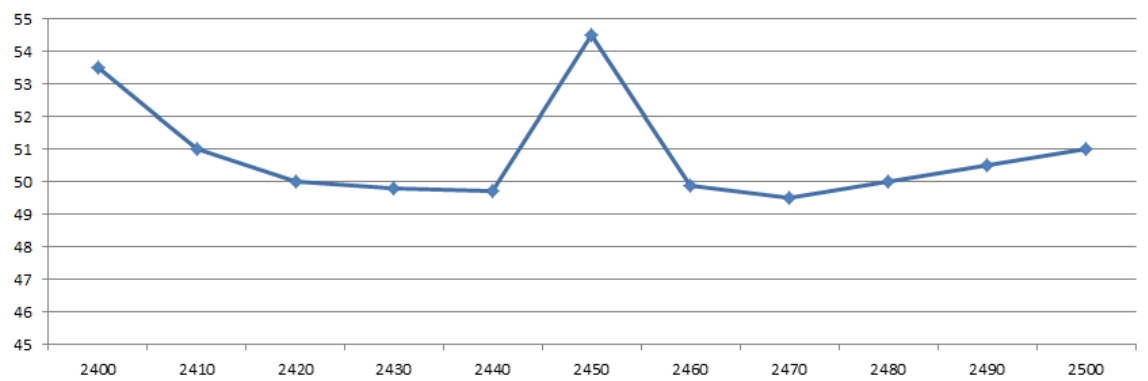


Theta axis test

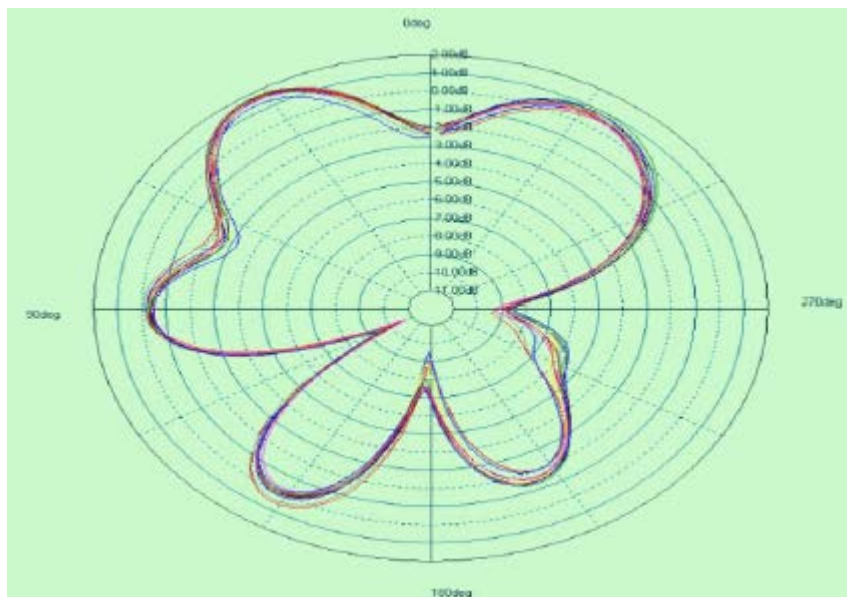
### 3. Antenna Impedance: S11 (parameter)



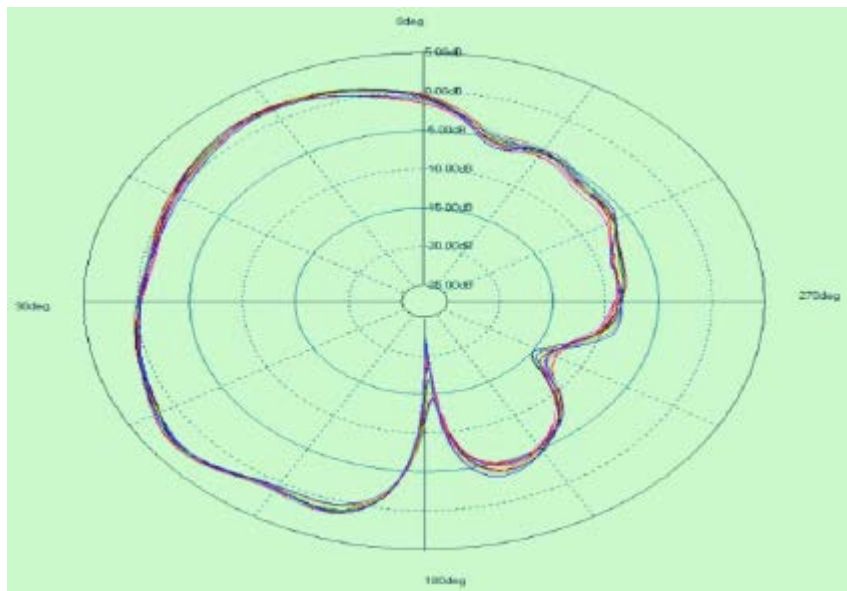
### 4. Total Efficiency-2.4G:



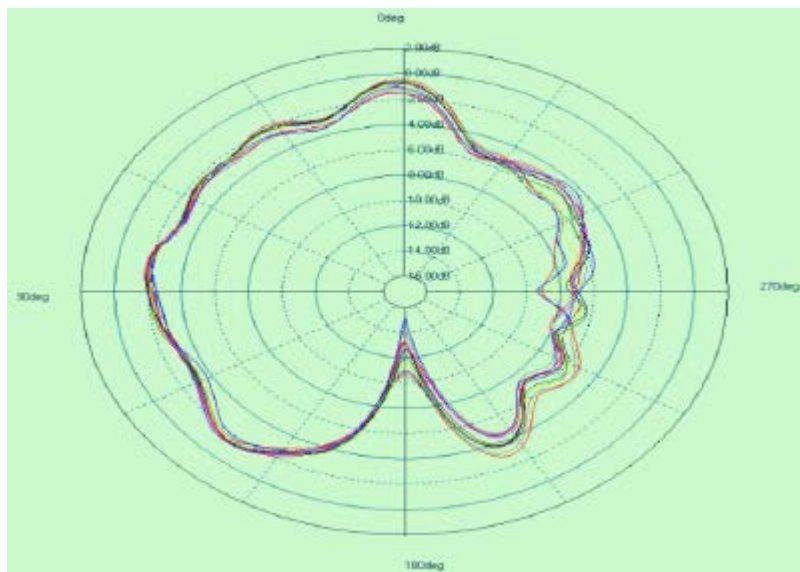
## 6.01 directional diagram (xy plane, $Z=0$ )



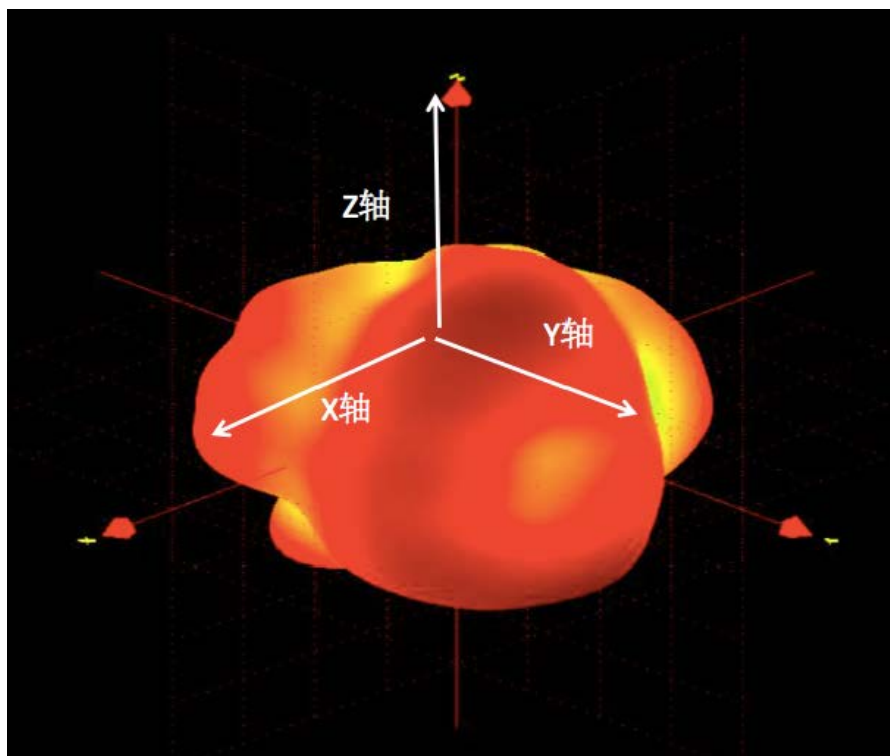
## 6.02 directional diagram (xy plane, $Y=0$ )



### 6.03 directional diagram( YZ plane, X=0 )



### 6.03 Apple Chart



## 7. Installation method

