

## SPECIFICATIONS FOR APPROVAL

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

**Product Name:** \_\_\_\_\_ BT Antenna

**Production manufacturer:** Dongguan Jingweixin Circuit Co., Ltd..

**Manufacturer Address:** Building 4, No. 2 Huanqi Avenue, Qishi Town,  
Dongguan City, Guangdong Province

**Write By :** \_\_\_\_\_ Huang Jiahui

**Issued Date:** \_\_\_\_\_ 2023-08-01

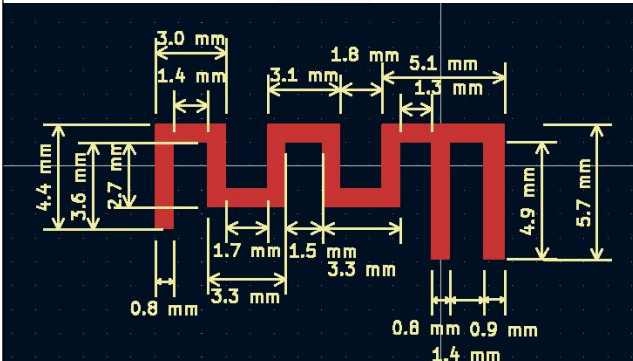
### CUSTOMER

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

### SOUTHSTAR

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

## The basic parameters:

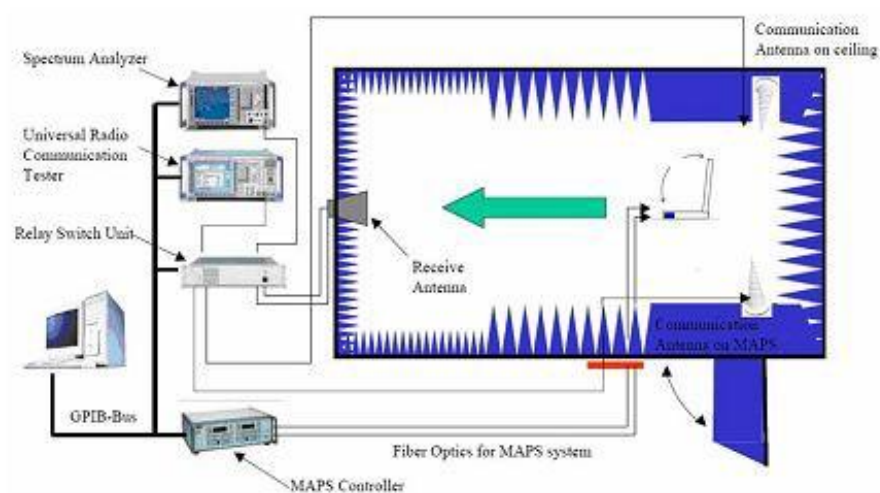
| A. Electrical Characteristics            |                                                                                      |
|------------------------------------------|--------------------------------------------------------------------------------------|
| Frequency                                | 2402 MHz ~2480 MHz                                                                   |
| VSWR                                     | < 2                                                                                  |
| Efficiency                               | >40%                                                                                 |
| Impedance                                | 50 Ohm                                                                               |
| Polarization                             | Linear                                                                               |
| Gain                                     | 0.5dbi                                                                               |
| 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

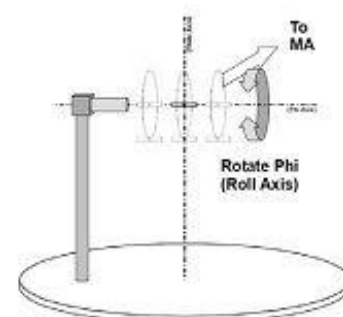
### 1. Network Analyzers :

Agilent 8753D 5071B

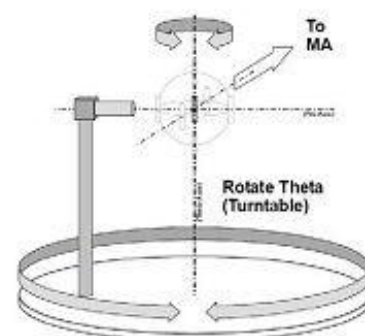
### 2. 3D Chamber Test System



(Testing by 3D anechoic chamber)

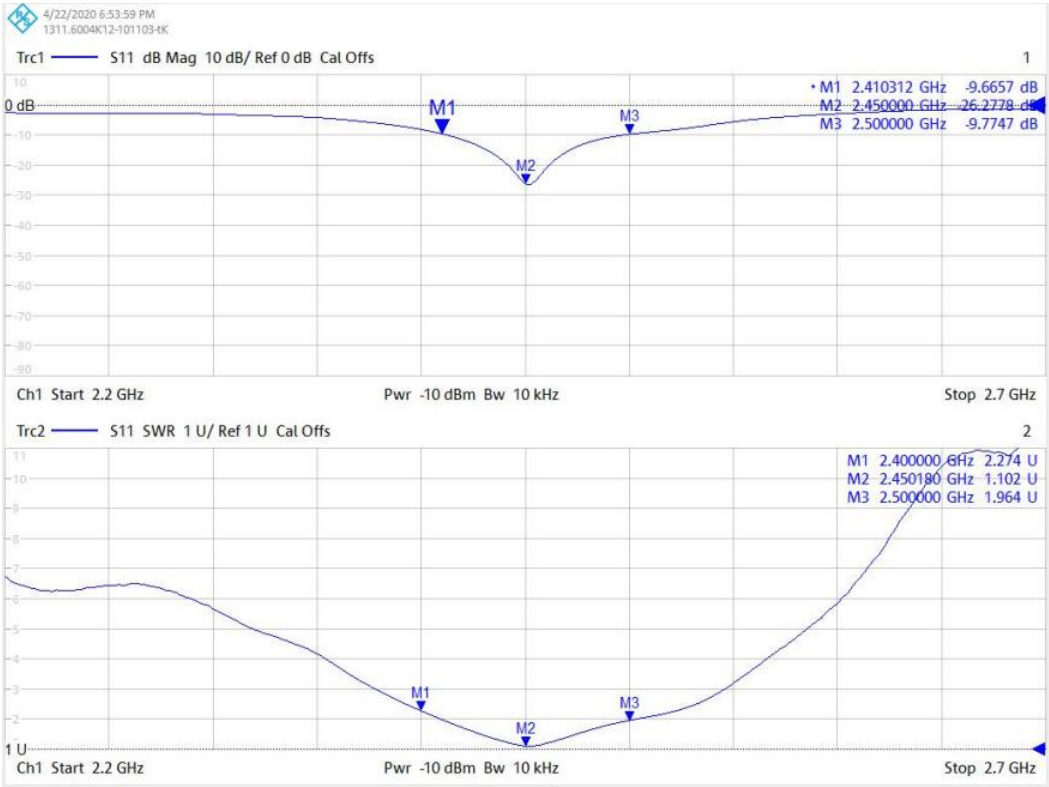
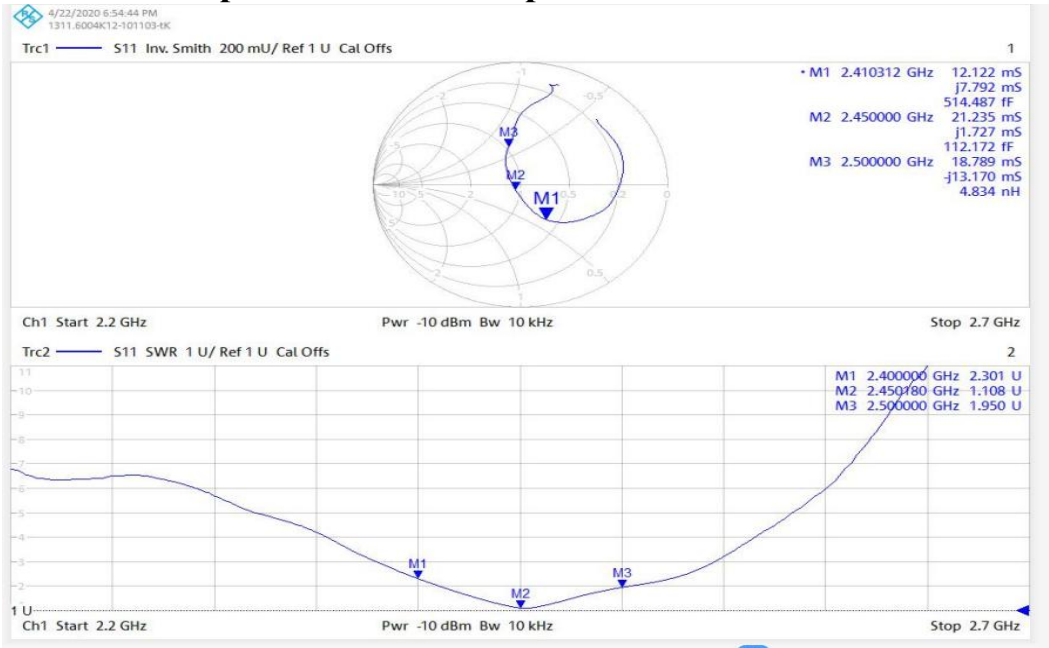


Phi axis test

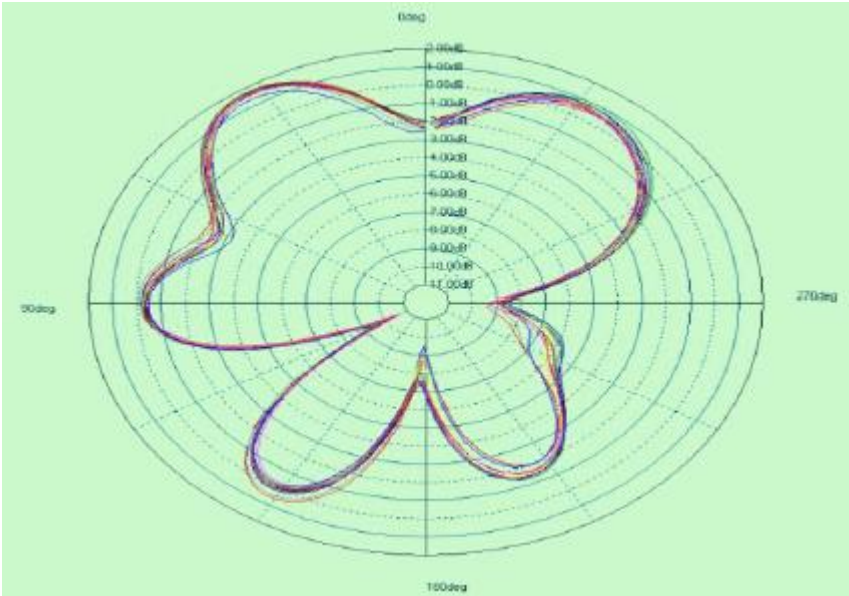


Theta axis test

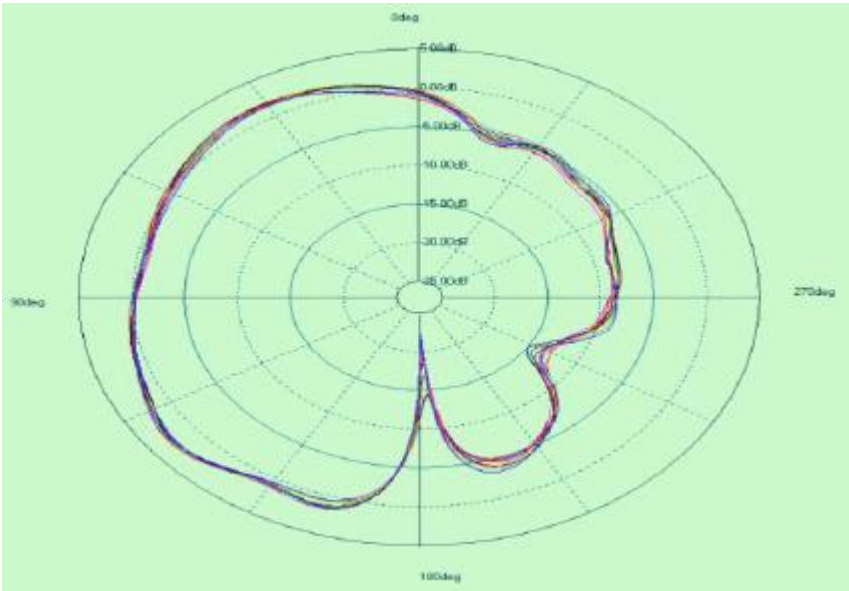
3.Antenna Impedance: S11 (parameter)



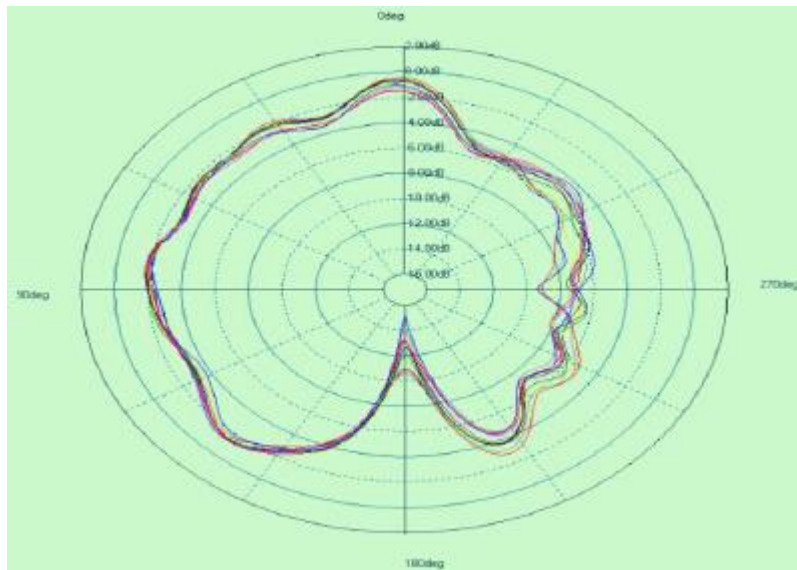
4.01 directional diagram (xy plane, Z=0)



4.02 directional diagram (xy plane, Y=0)



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



#### 4.03 Apple Chart

