

SPECIFICATIONS FOR APPROVAL

Customer Name: _____ 伊欧乐 _____

Product Name: _____ BT 天线 _____

Product Model: _____ C22001F10 _____

Part Number: _____

Write By : _____ 李志鹏 _____

Issued Date: _____ 2022-12-19 _____

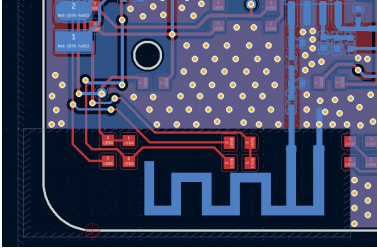
CUSTOMER

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

SOUTHSTAR

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

The basic parameters:

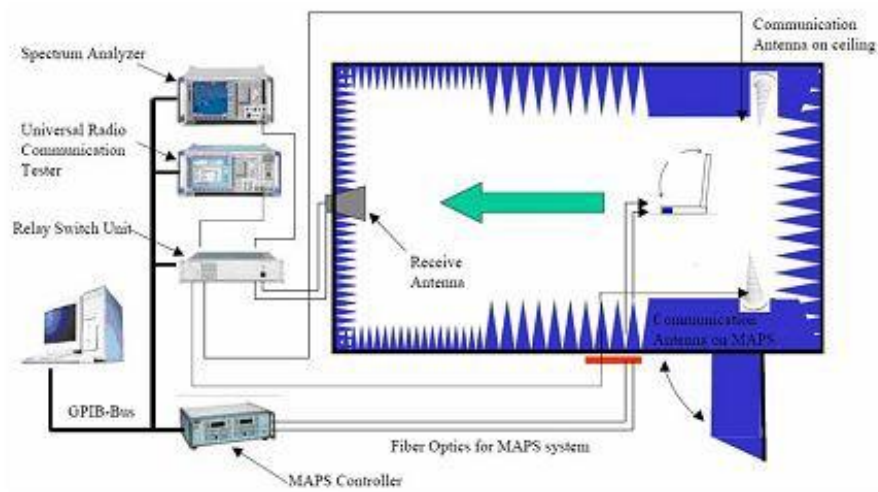
| A. Electrical Characteristics | |
|--|--|
| Frequency | 2400 MHz ~2500 MHz |
| VSWR | < 2 |
| Efficiency | >40% |
| Impedance | 50 Ohm |
| Polarization | Linear |
| Gain | >0.5dbi |
| B. Material & Mechanical Characteristics | |
| Material of Radiator | PCB black |
| Cable Type |  |
| Connector Type | |
| Dimension | |
| C. Environmental | |
| Operation Temperature | -10 °C ~ + 50 °C |
| Storage Temperature | - 30 °C ~ + 85 °C |

Test Equipment & Conditions

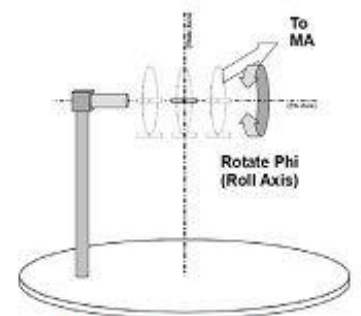
1. Network Analyzers :

Agilent 8753D 5071B

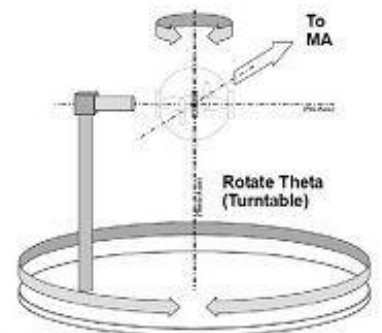
2. 3D Chamber Test System



(Testing by 3D anechoic chamber)

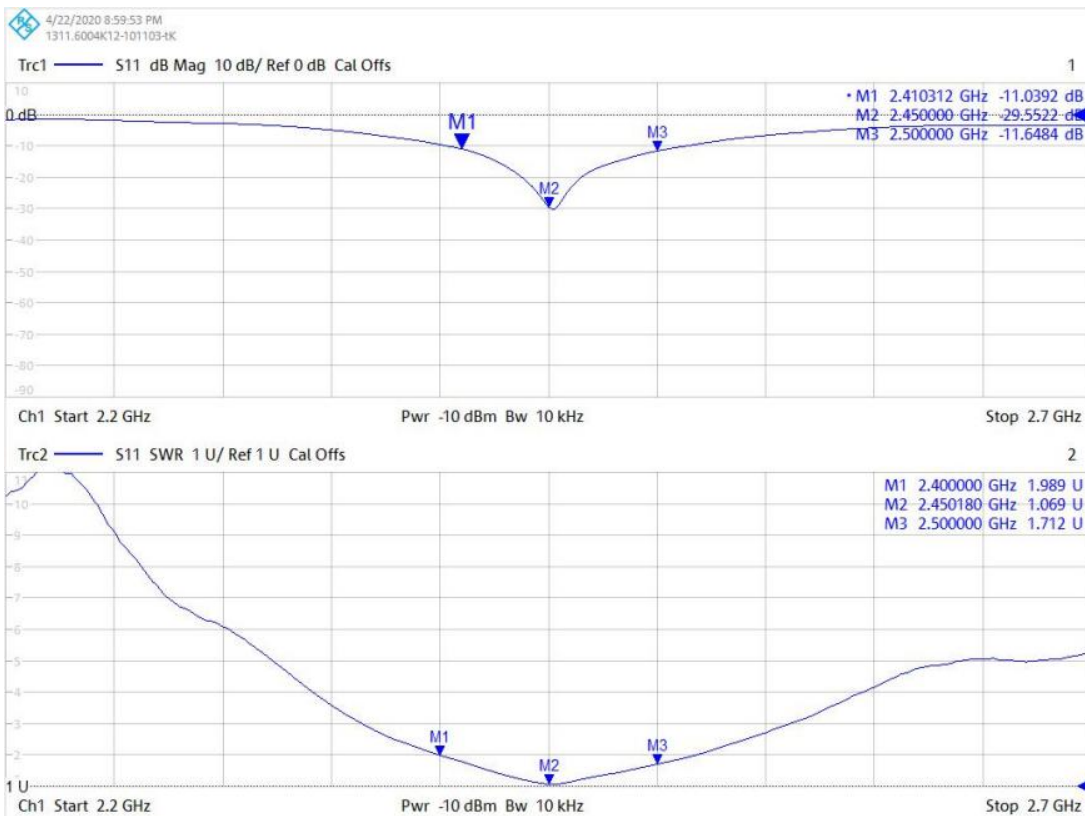
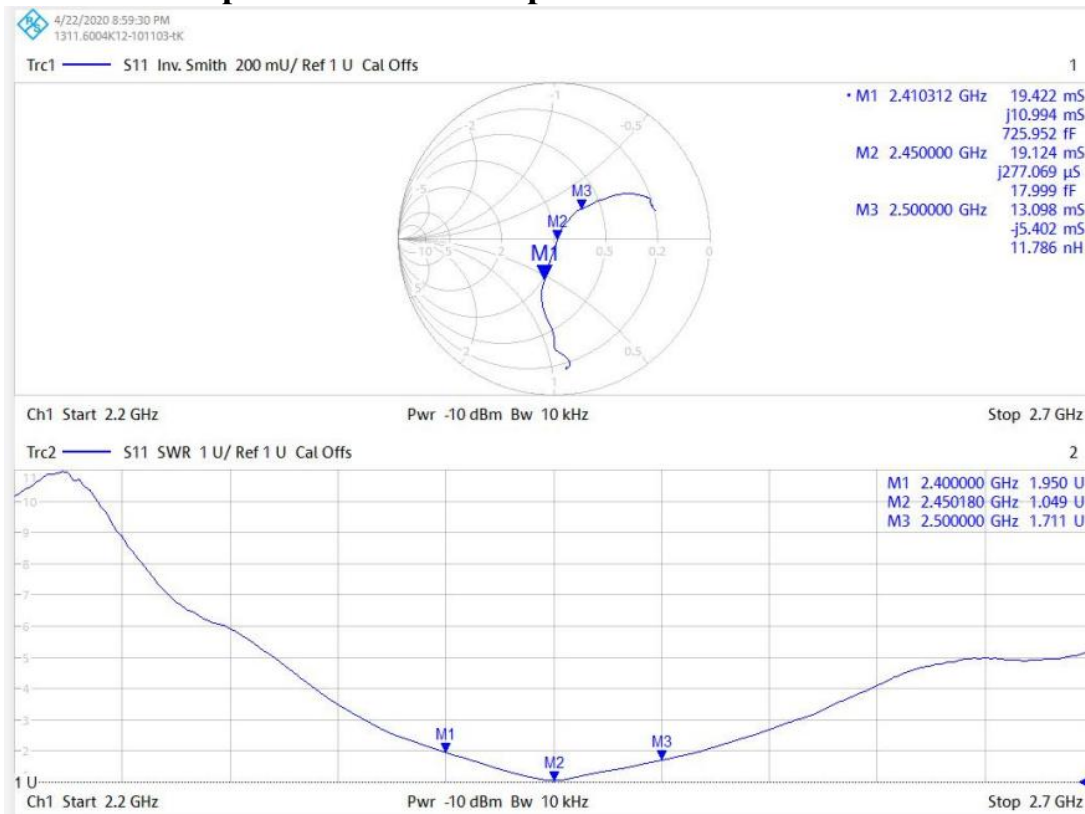


Phi axis test

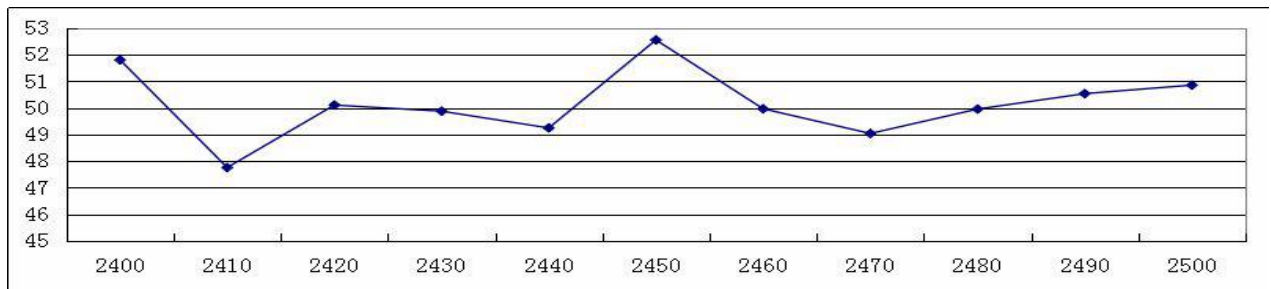


Theta axis test

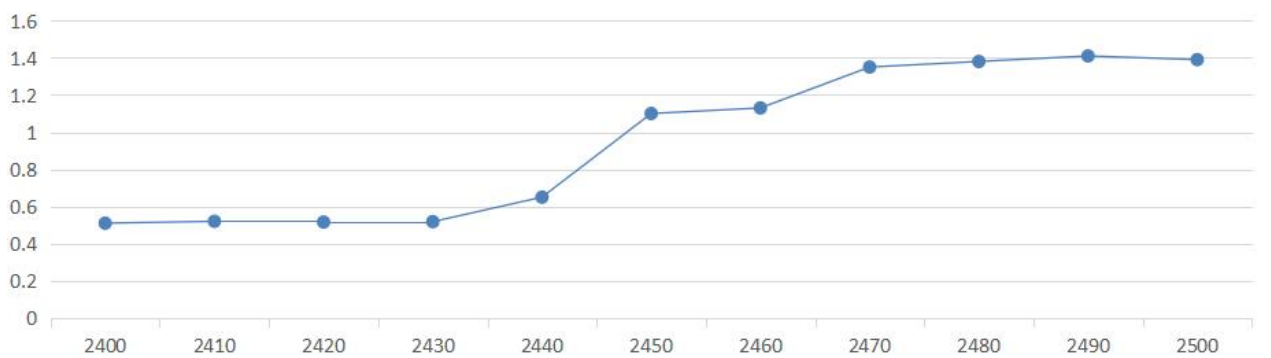
3. Antenna Impedance: S11 (parameter)



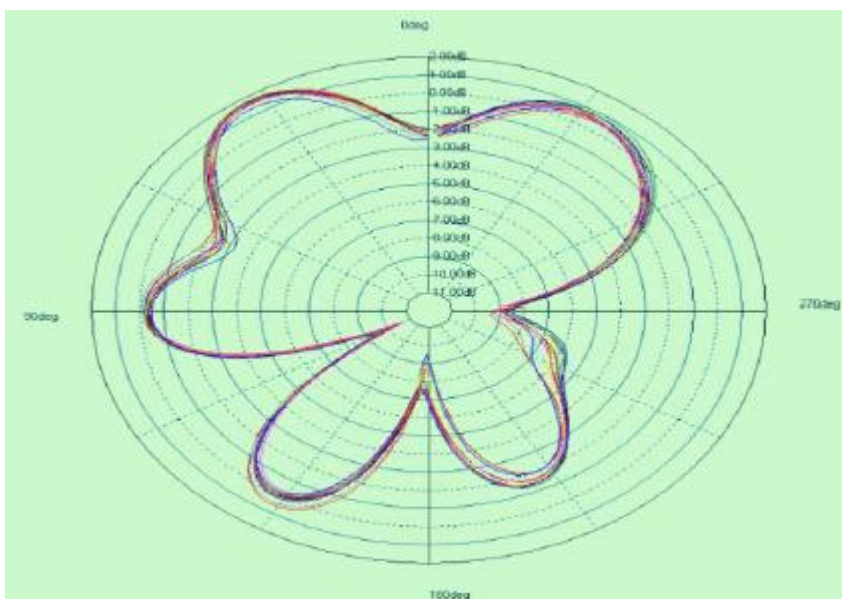
4. Total Efficiency-2.4G:



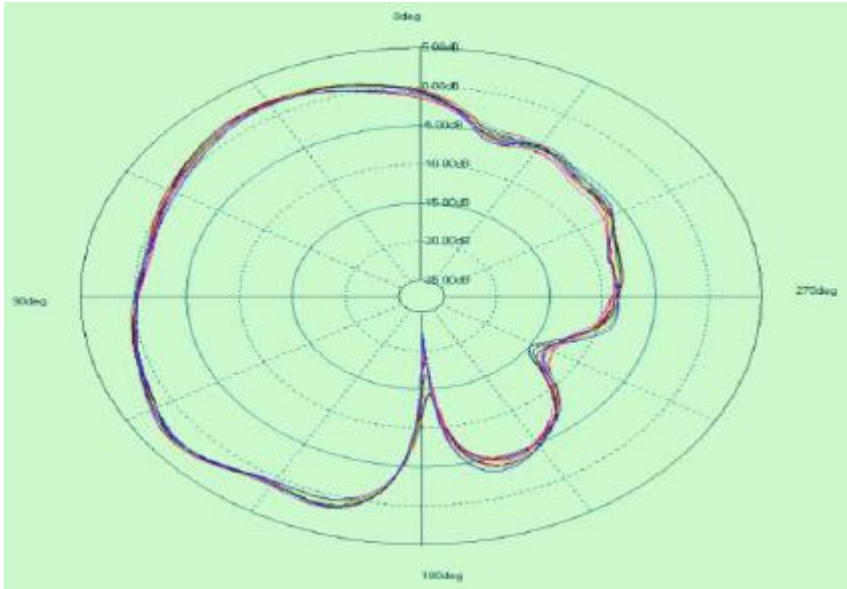
5. GAIN-2.4G:



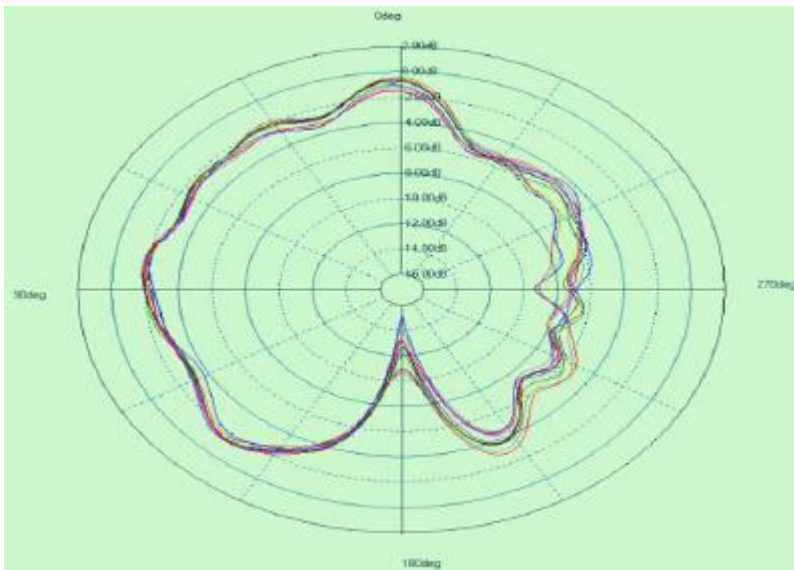
6.01 directional diagram (xy plane, Z=0)



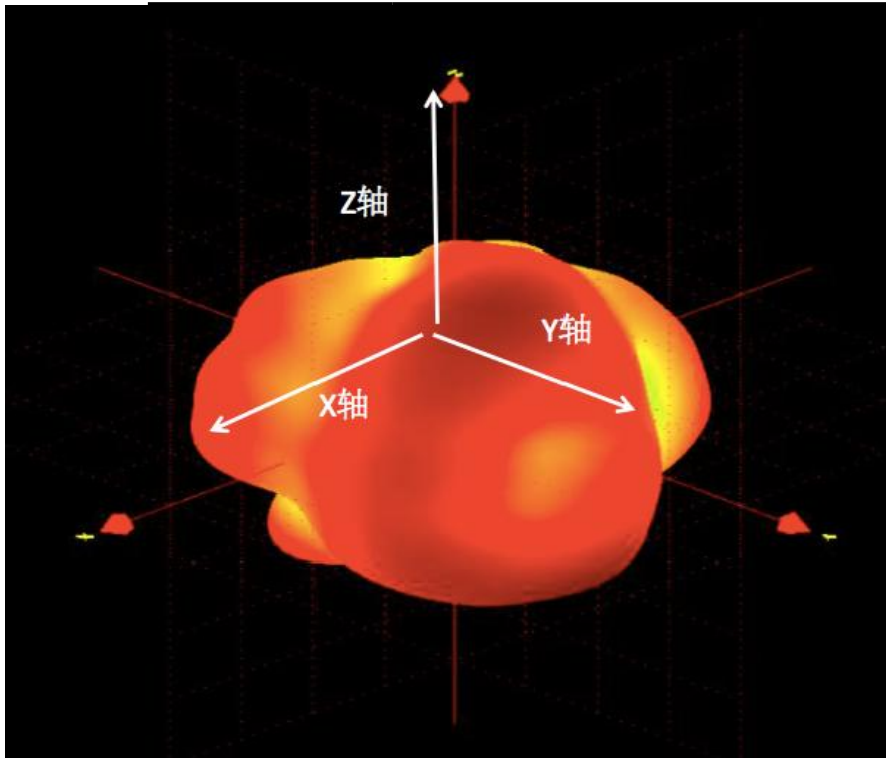
6.02 directional diagram (xy plane, Y=0)



6.03 directional diagram (YZ plane, X=0)



6.03 Apple Chart



7. Installation method



