

Sample Approved Sheet

Hetuo (R1303T) Acknowledgment

Customer Name Shenzhen Xinzhongxin Technology Co., Ltd

Client Type R1303T

Brand HT-R1303T-R-V6

Hetuo Judgment Audit Team

| Formulate | Check | Ratify | Acknowledge the book completion time |
|-----------|----------|-------------|--------------------------------------|
| Liyaona | Huxuewen | Daitingting | 2023.11.3 |

(Client) Judgment Audit Team

Acknowledgement Number _____

Proving time

| acknowledge | check | ratify | Acknowledge the book completion time |
|-------------|-------|--------|--------------------------------------|
| | | | |

Project Review Three acknowledgements Specifications/drawings

examining report Specimen PCS Safety standard HSF

Appraisal report Accept

Conditional acceptance

Refuse

1. Antenna picture

The report mainly provides the test status of the electrical properties parameters of **R1303T**. The **R1303T** antenna is a **2.4-2.5GHz** Band . The antenna Picture and assembly are shown below.
Antenna picture & assembly picture



2. Antenna Test Equipment Introduction

Test of antenna input characteristics using **Agilent E5071C** and **Agilent 5062A** vector network analyzer; The radiation pattern of the antenna are tested using the Satimo starlab 3D near field Anechoic Chamber , and the instrument is used to agilent8960 E5515 and Agilent E4438C. The test coordinates of the darkroom are as follows:

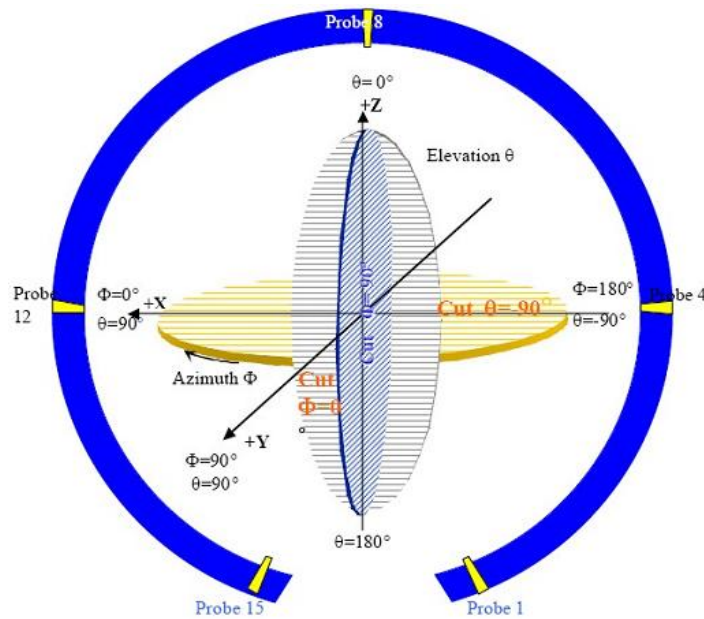


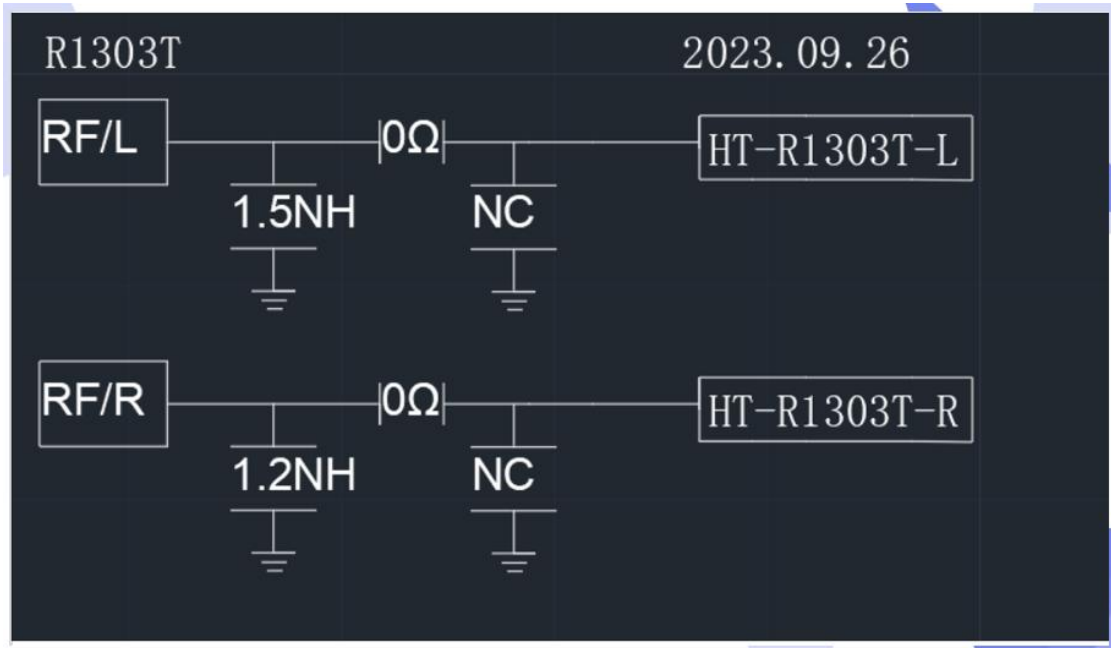
图 4 3D 微波暗室测试坐标系 (back view)

3. Electrical Specification

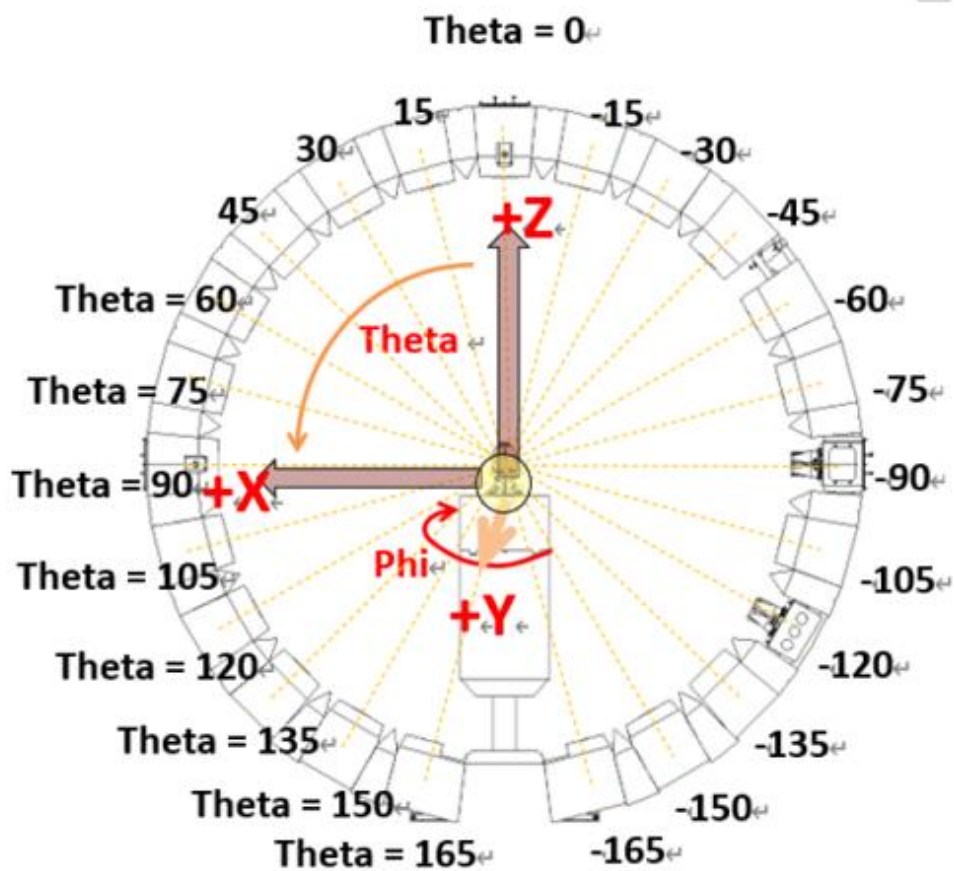
3-2 Passive S11 parameter

Measuring Method is a 50 Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the S11 parameter, Keeping this fixture away from metal at least 20cm.

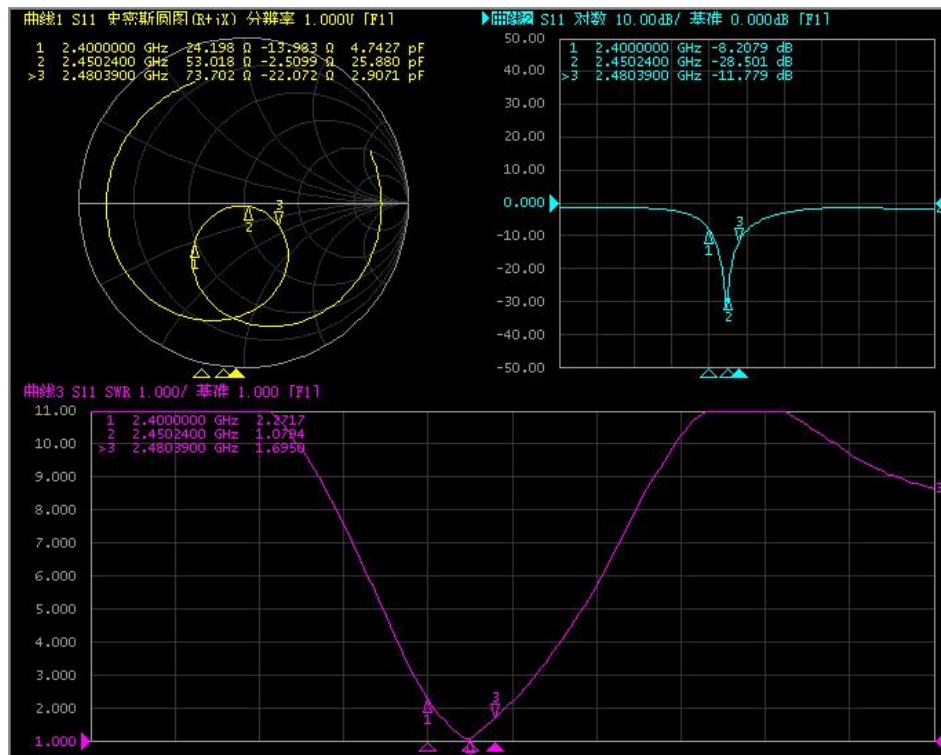
VSWR—R



Sample status & coordinates



S11—R(BT ANT)

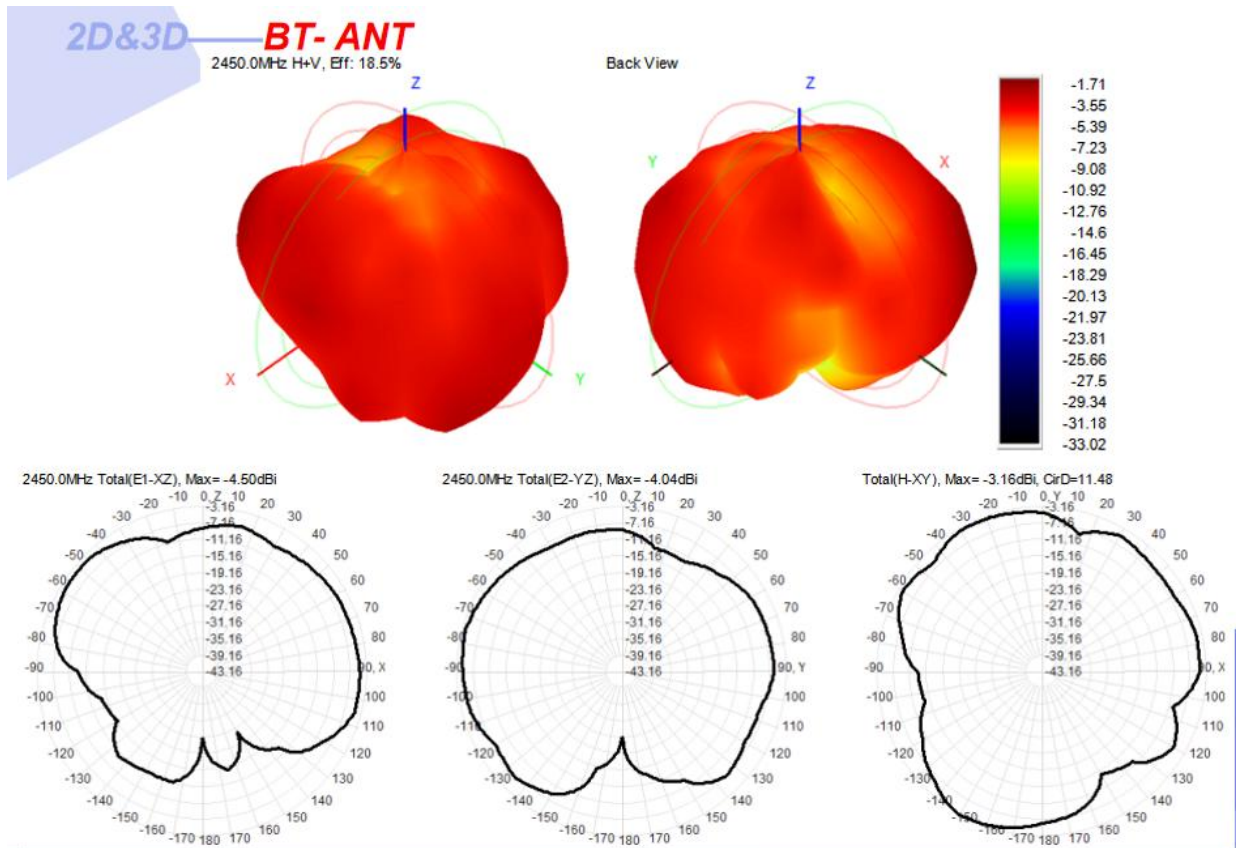
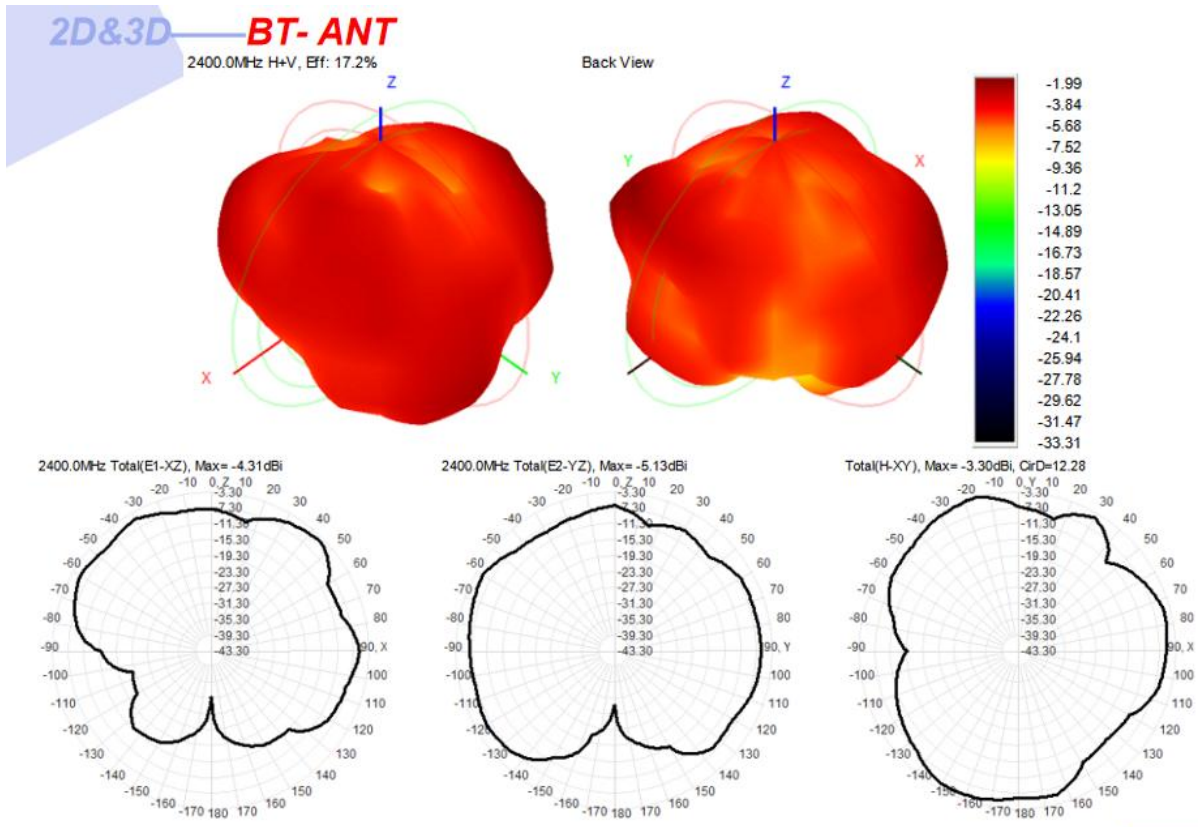


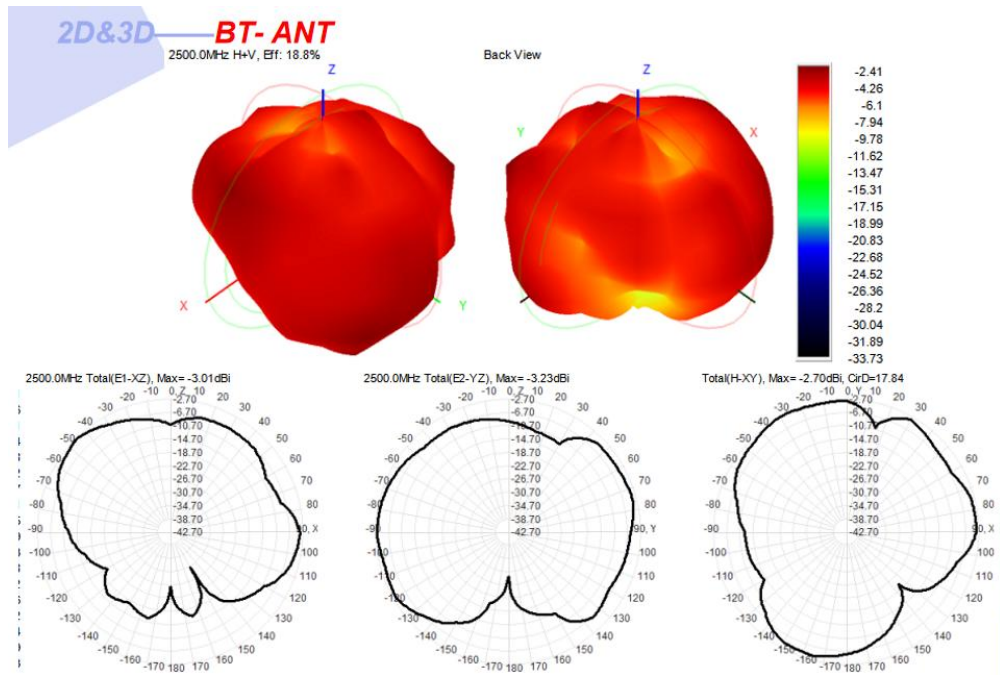
3-3 Antenna Matching Network

Gain & Efficiency—BT-ANT-R

| Frequency (MHz) | Efficiency (%) | Peak GAIN (dBi) |
|-----------------|----------------|-----------------|
| 2400 | 17.19 | -1.99 |
| 2410 | 17.92 | -2.46 |
| 2420 | 18.11 | -1.91 |
| 2430 | 19.06 | -1.81 |
| 2440 | 19.07 | -2.03 |
| 2450 | 18.54 | -1.71 |
| 2460 | 18.74 | -2.01 |
| 2470 | 19.02 | -2.52 |
| 2480 | 18.97 | -2.59 |
| 2490 | 18.91 | -2.28 |
| 2500 | 18.79 | -2.41 |

2D/3D—BT-R





OTA DATA(R)--FS

| | | | | |
|-----------------|-------------------|---------|----------|----------|
| Test Equipment: | R&S CMW500 | | | |
| Test Condition: | 3D chamber | | | |
| Band | Wireless Protocol | Channel | TRP(dBm) | TIS(dBm) |
| BT | | 0 | 3.64 | -87.71 |
| | | 39 | 3.29 | -86.86 |
| | | 78 | 3.15 | -85.47 |

OTA DATA(R)--BH

| | | | | |
|-----------------|-------------------|---------|----------|----------|
| Test Equipment: | R&S CMW500 | | | |
| Test Condition: | 3D chamber | | | |
| Band | Wireless Protocol | Channel | TRP(dBm) | TIS(dBm) |
| BT | | 0 | 2.82 | -84.82 |
| | | 39 | 2.22 | -84.66 |
| | | 78 | 1.52 | -83.53 |

