

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 <input type="checkbox"/> Three acknowledgements <input type="checkbox"/> Specifications/drawings <input type="checkbox"/> examining report <input type="checkbox"/> Specimen PCS <input type="checkbox"/> Safety standard <input type="checkbox"/> HSF			
Appraisal report <input type="checkbox"/> Accept <input type="checkbox"/> Conditional acceptance <input type="checkbox"/> 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:

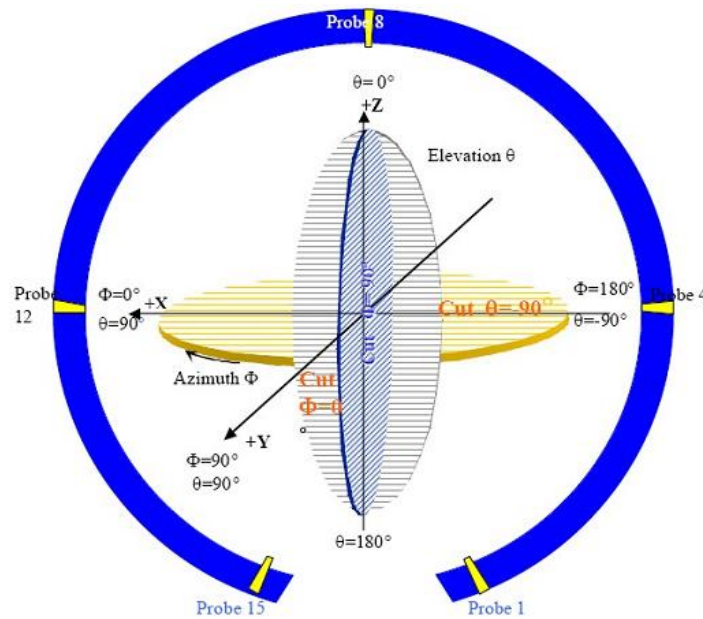


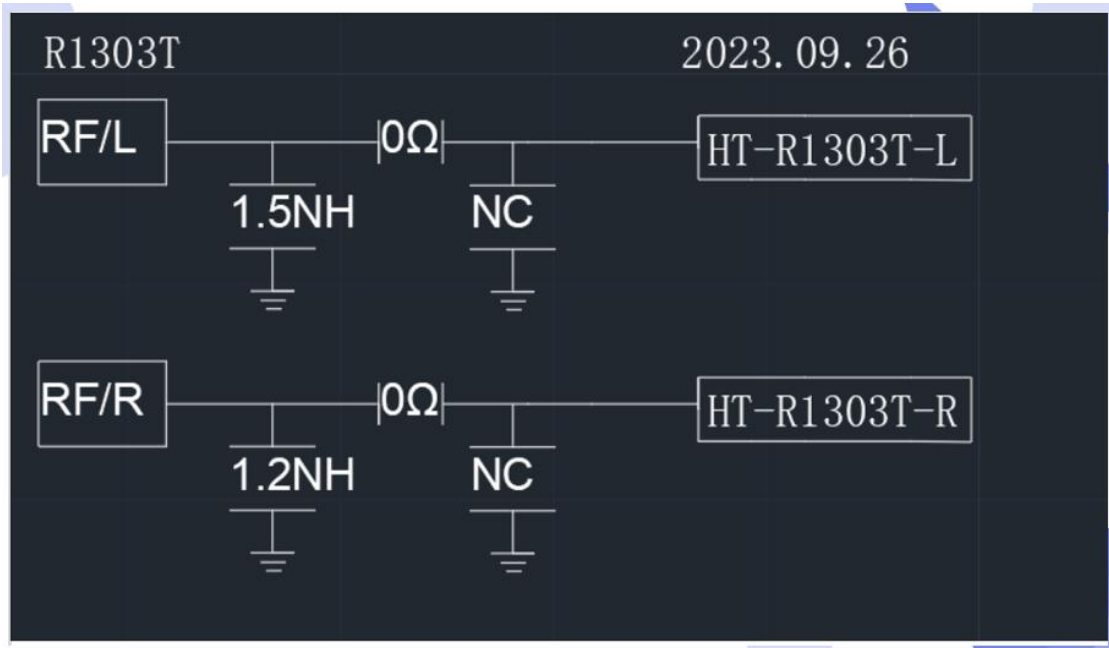
图 4 3D 微波暗室测试坐标系 (back view)

3. Electrical Specification

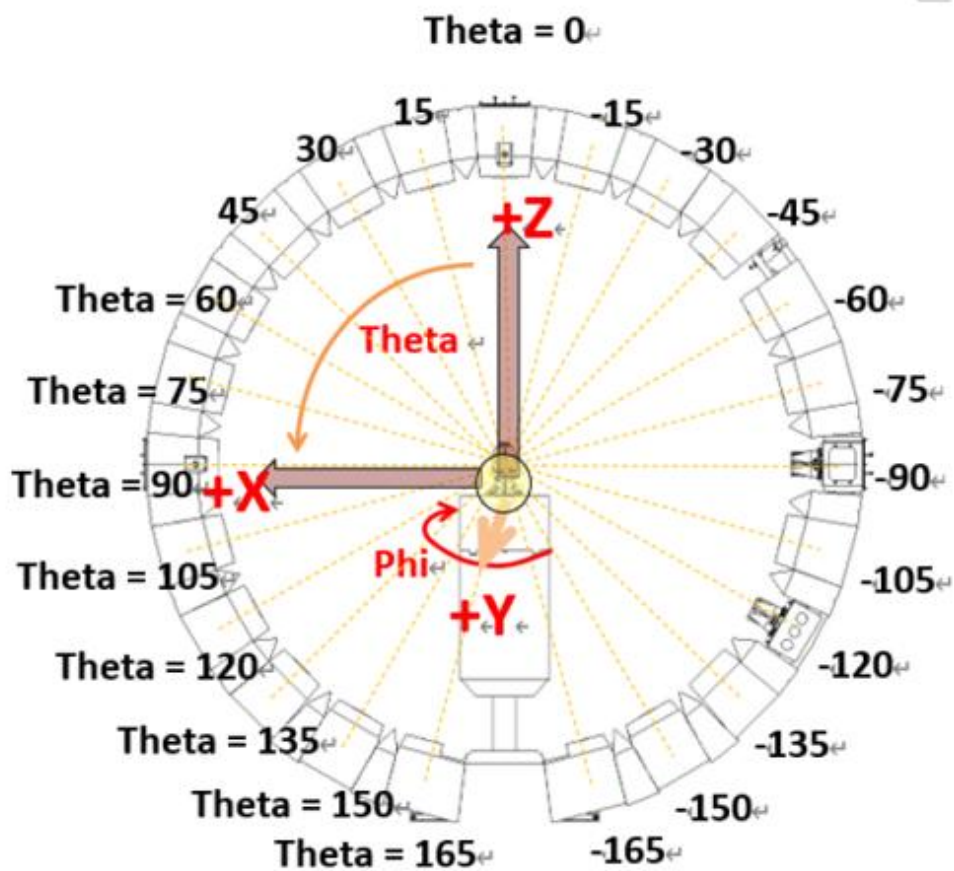
3-2 Passive S11 parameter

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.

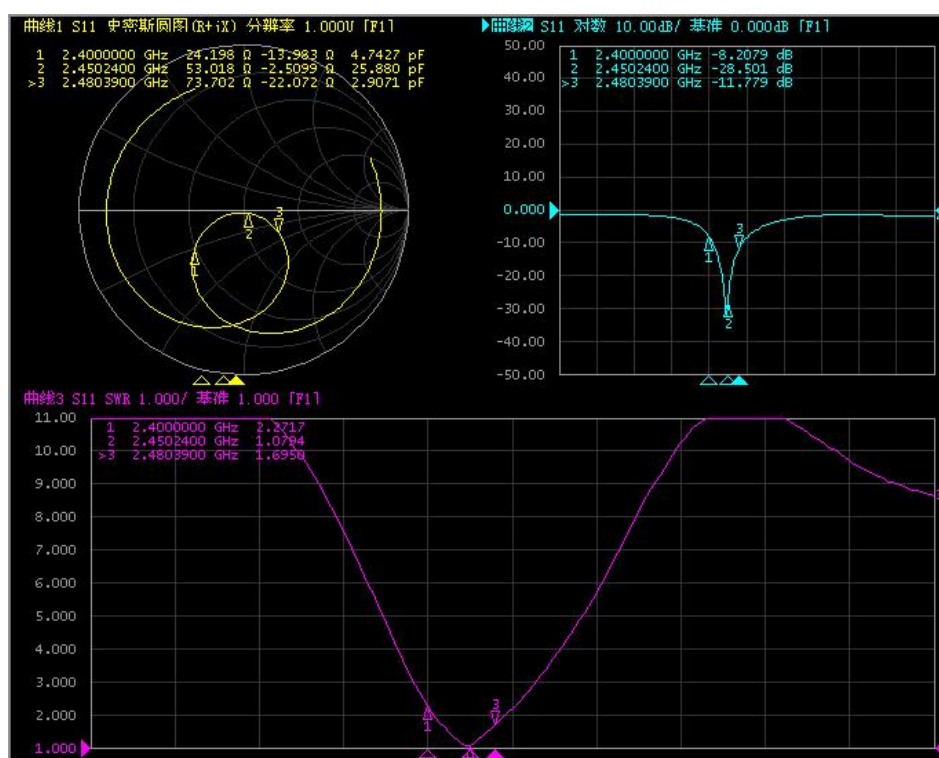
VSWR—R



Sample status & coordinates



S11—R(BT ANT)

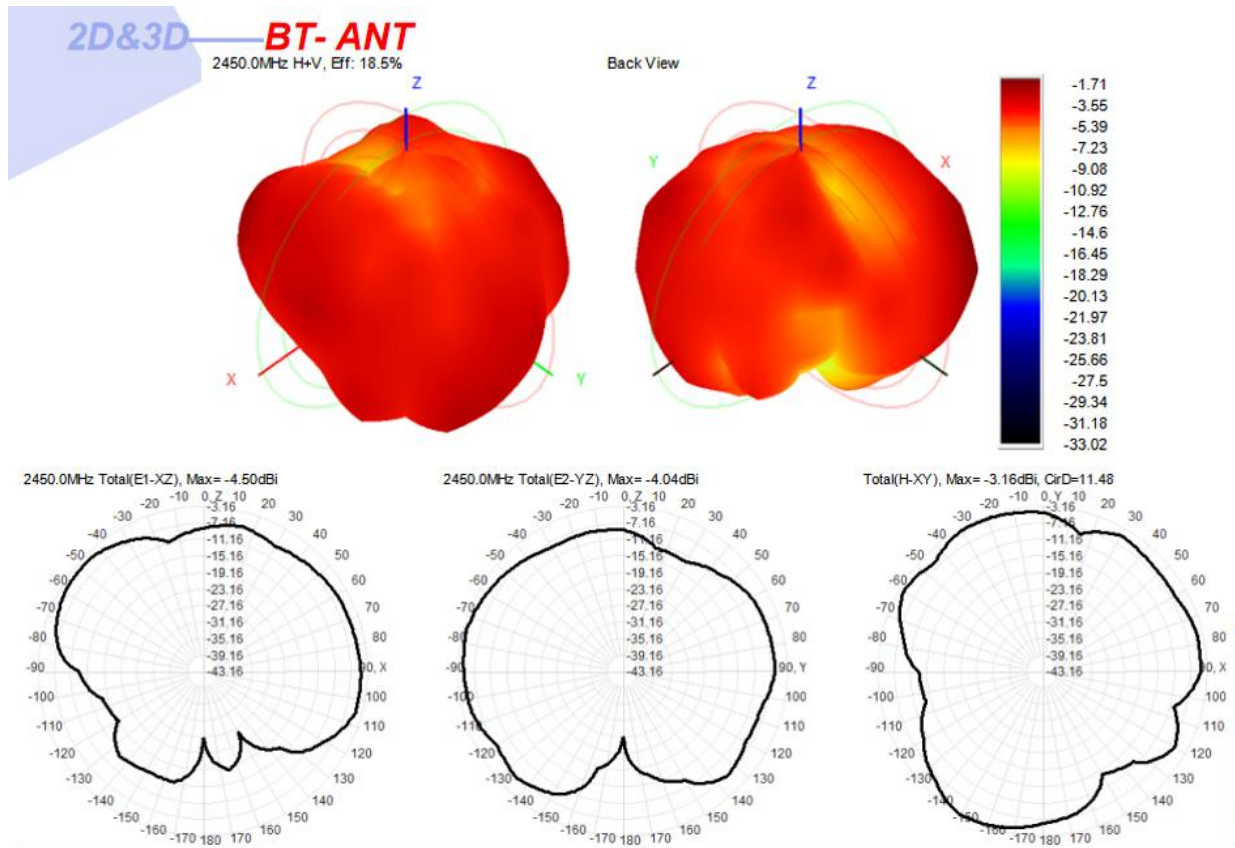
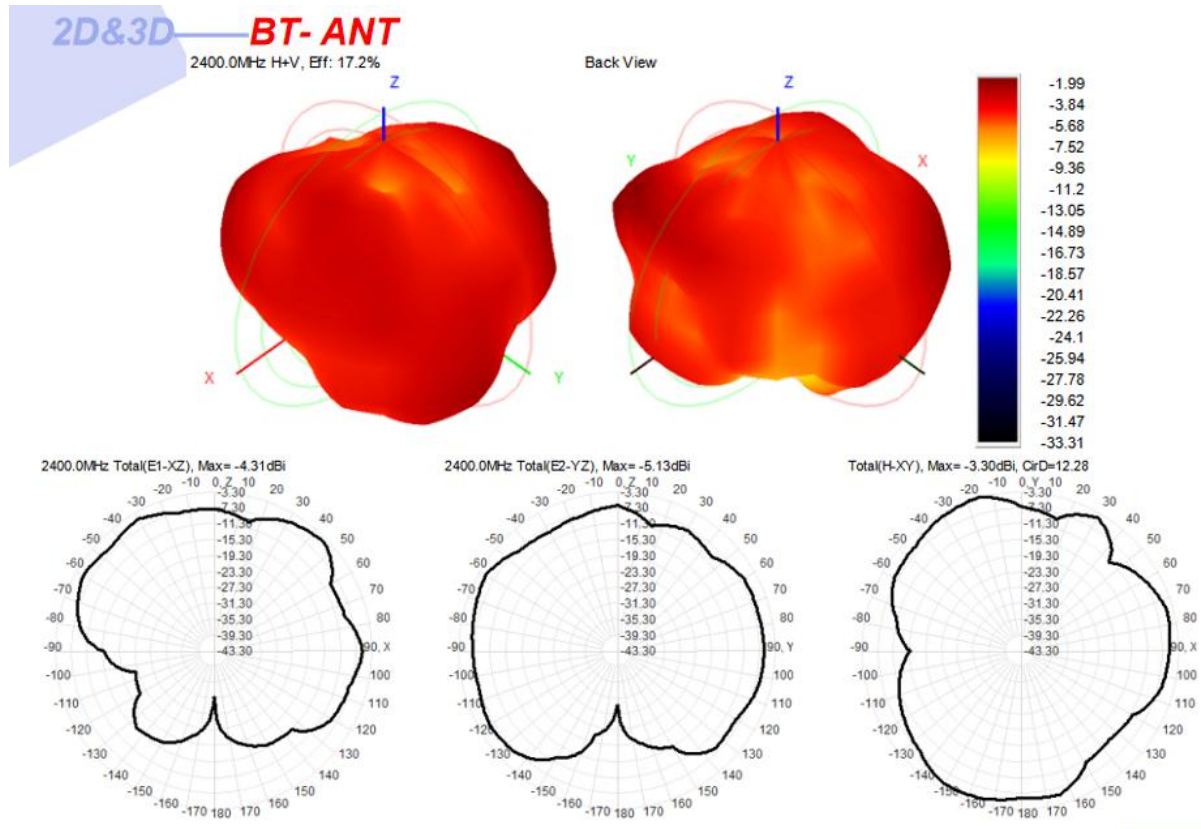


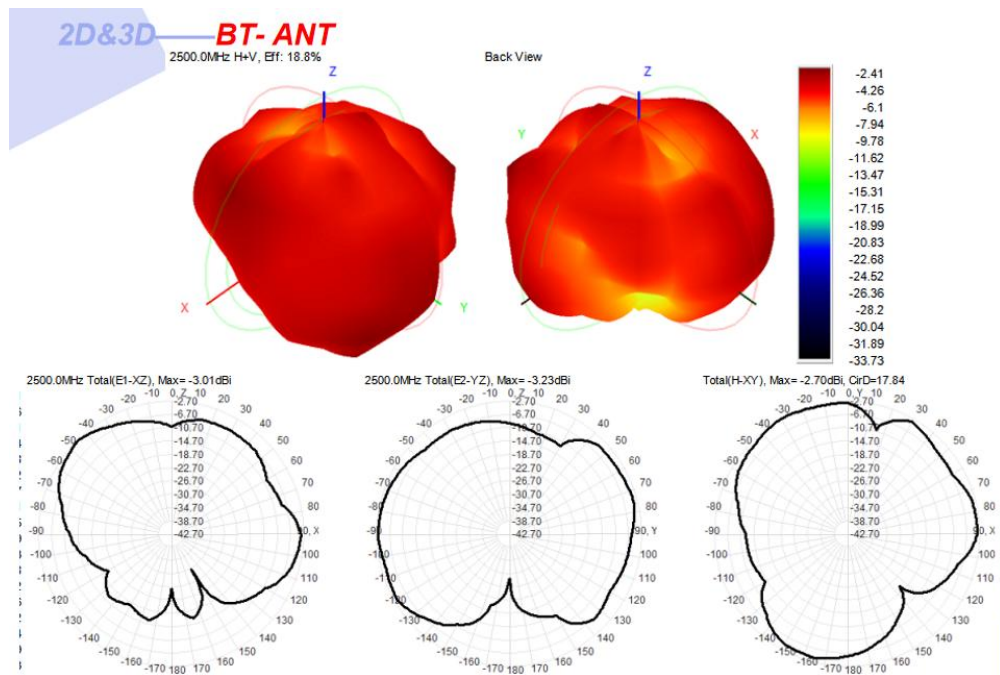
3-3 Antenna Matching Network

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





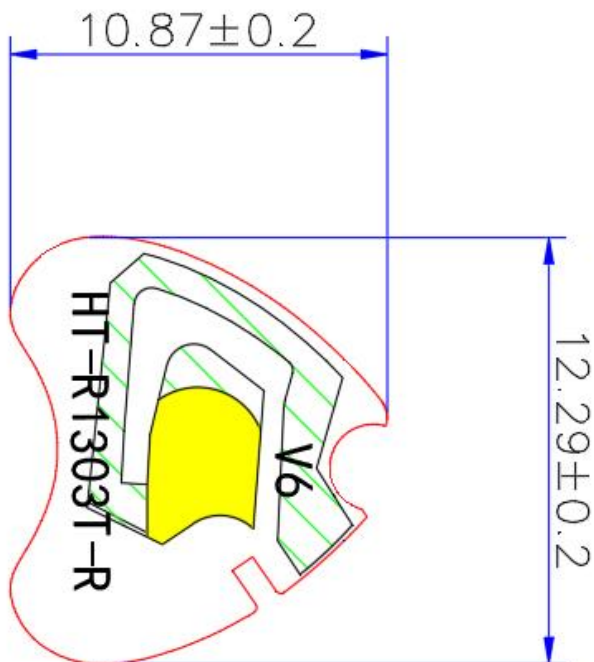
OTA DATA(R)--FS

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

报价	_____	THE QUOTATION
开模	_____	
检测	_____	THE EVALUATION
出图	_____	
参考	_____	APPENDED ONE
REFERENCE	_____	



Technical requirements:

1. It must comply with EN 800 and REACH, as detailed in the appendix;
2. Single machine usage: 2PCS
3. FPC copper wiring section on side A, while side B represents the use of 3M 9471 adhesive backing
4. The total thickness of FPC is 0.11-1.15mm (excluding adhesive release paper), and the contact point needs to be processed with gold deposition process
5. Please use PI half substrate, electrolytic copper; Surface black ink line printed in white
6. The ink does not contain carbon or metal particles, and the surface is UV resistant and UV resistant;

MOBILE CATALIEN		
VER	BESCHRIJFING	DATE

[illegible]