

Sample Approved Sheet

Hetuo (R1303T) Acknowledgment

Customer Name Shenzhen Xinzhongxin Technology Co., Ltd

Client Type R1303T

Brand HT-R1303T-L-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:

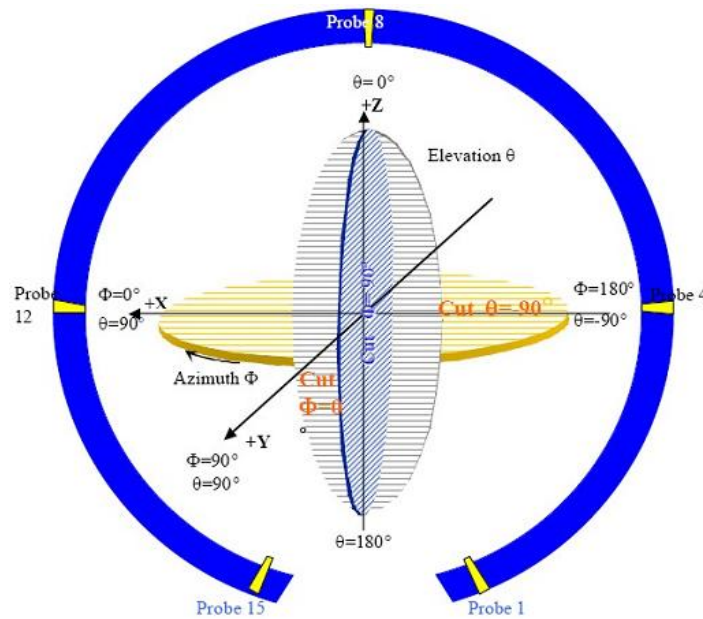


图 4 3D 微波暗室测试坐标系 (back view)

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.



S11—L(BT ANT)

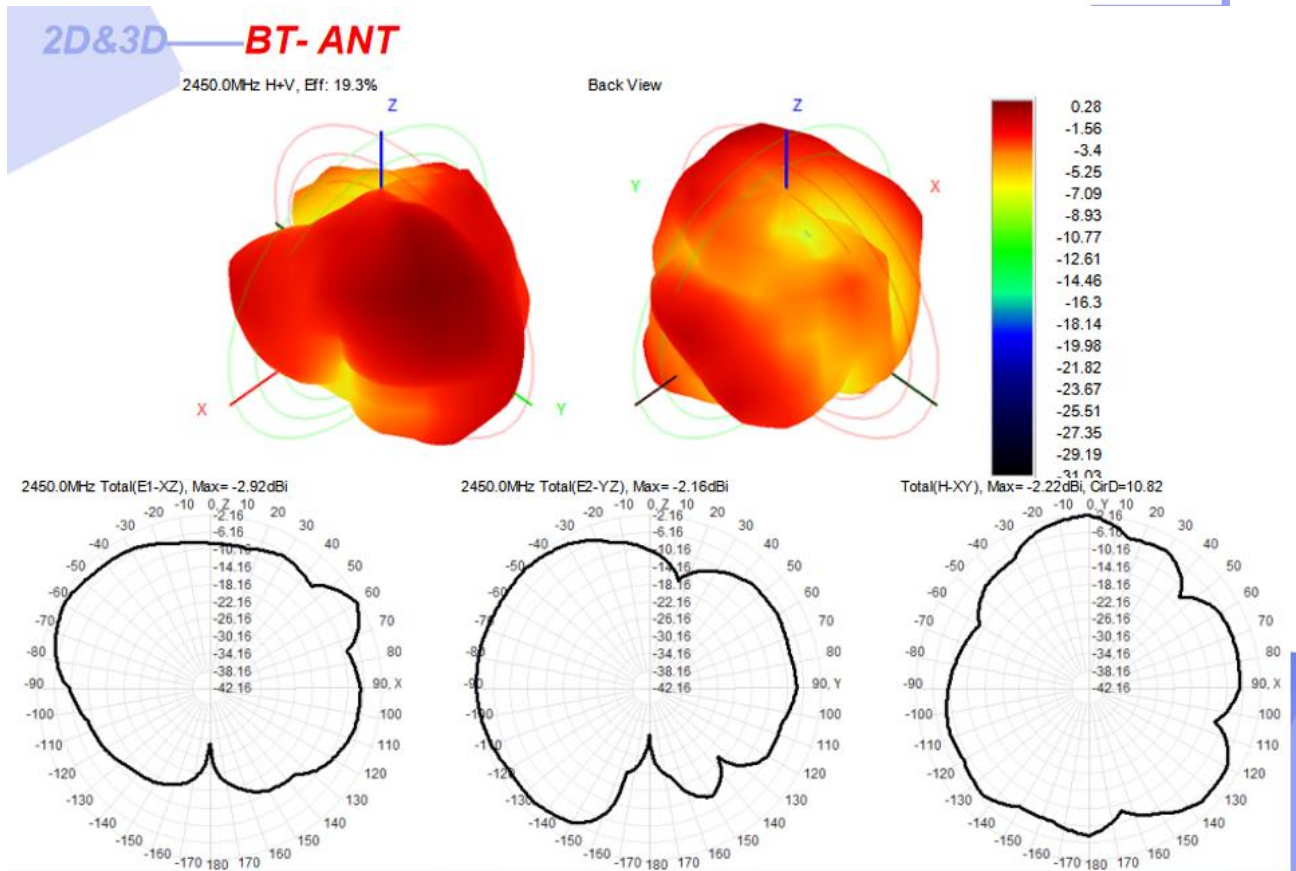
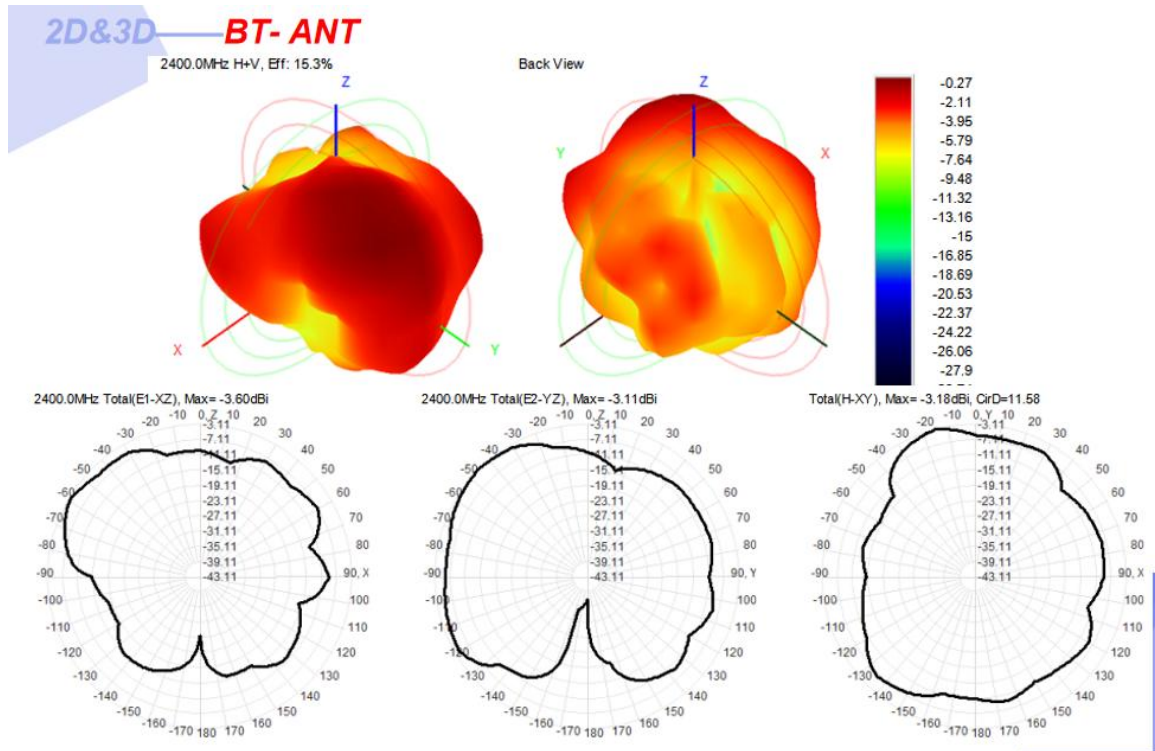


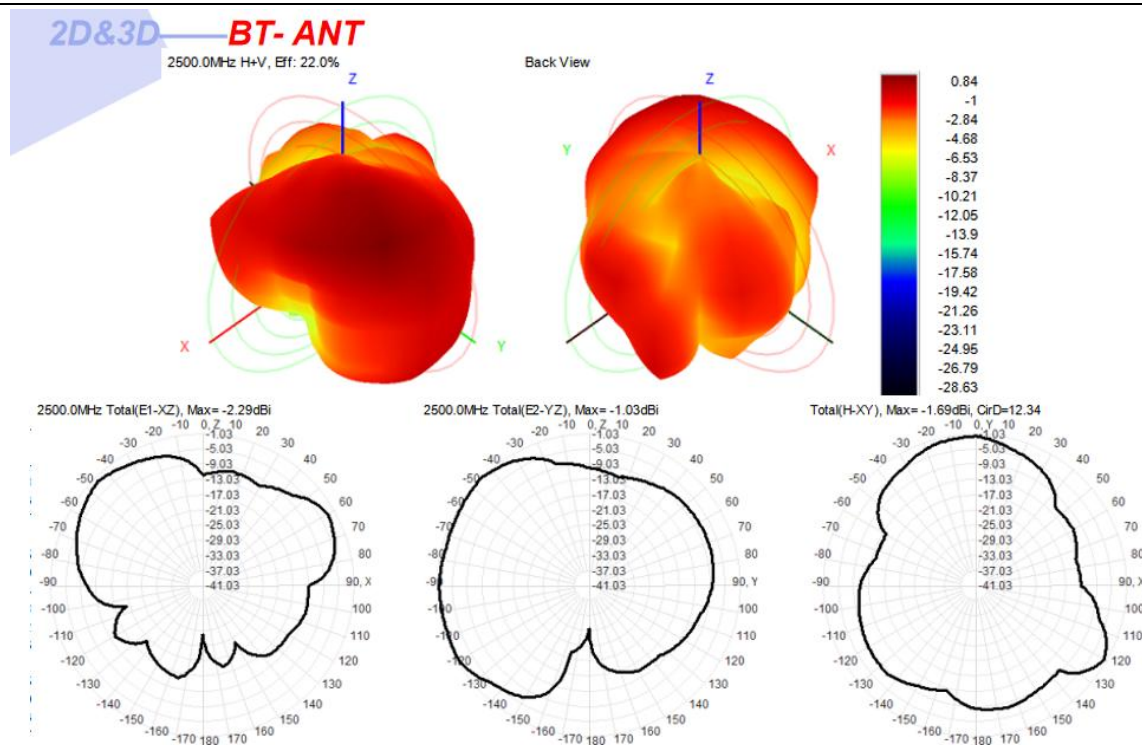
3-3 Antenna Matching Network

Gain & Efficiency—BT-ANT-L

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	15.26	-0.27
2410	15.93	-0.19
2420	16.84	-0.20
2430	17.55	-0.64
2440	18.23	-0.48
2450	19.27	0.28
2460	19.82	0.22
2470	20.40	0.43
2480	20.82	0.37
2490	21.61	0.77
2500	21.96	0.84

2D/3D—BT-L





OTA DATA(L)--FS

Test Equipment:	R&S CMW500			
Test Condition:	3D chamber			
Band	Wireless Protocol	Channel	TRP(dBm)	TIS(dBm)
BT		0	3.94	-87.84
		39	4.38	-87.57
		78	4.61	-86.33

OTA DATA(L)--BH

Test Equipment:	R&S CMW500			
Test Condition:	3D chamber			
Band	Wireless Protocol	Channel	TRP(dBm)	TIS(dBm)
BT		0	2.32	-84.69
		39	2.93	-84.27
		78	3.01	-84.71

