

Sample Approved Sheet

Customer Name **Shenzhen Zhenchen Electronic Technology Co.,**

Client **Type** **ZC07**

Brand HT-ZC07-V4

Formulate	Check	Ratify	Acknowledge the book completion time
Zhongxiaoming	Huxuewen	Daitingting	2023.01.09

Zhenchen (Client) Judgment Audit Team Acknowledgement Number

acknowledge	check	ratify	Acknowledge the book completion time

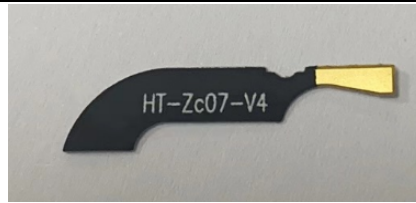
Project Review ☐ **Three acknowledgements** ☐ **Specifications/drawings**
☐ **examining report** ☐ **Specimen** **PCS** ☐ **Safety standard** ☐ **HSF**

Appraisal report ☐ **Accept** ☐ **Conditional acceptance** ☐ **Refuse**

Confidential Information

Item Number	Date	Edition	Revision Note	Remark
1	2023.01.09	A0	Initial Issue	
2				

1.**Antenna picture**The report mainly provides the test status of the electrical properties parameters of HT-ZC07-V4. The HT-ZC07-V4antenna is a **BT** Band . The antenna Picture and assembly are shown below.



FPC 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:

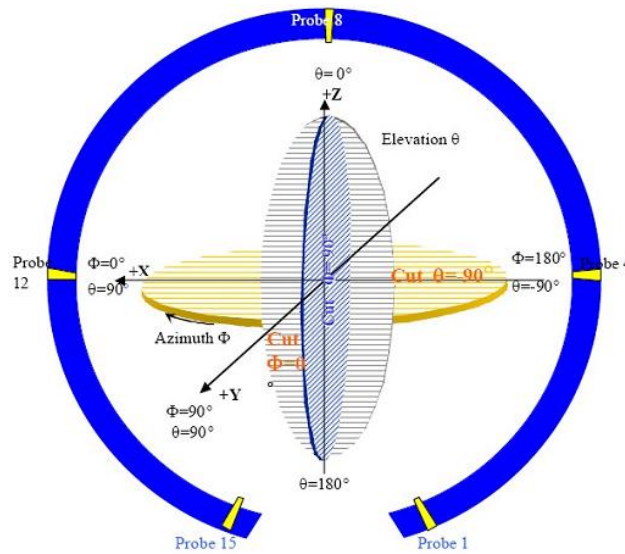
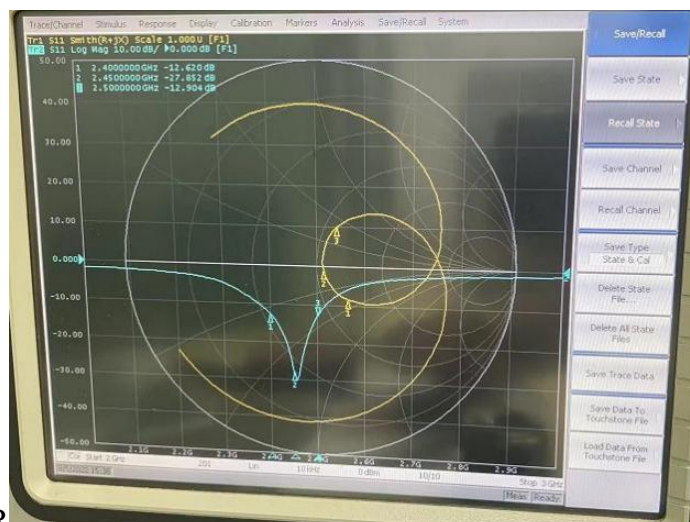


图 4 3D 微波暗室测试坐标系 (back view)

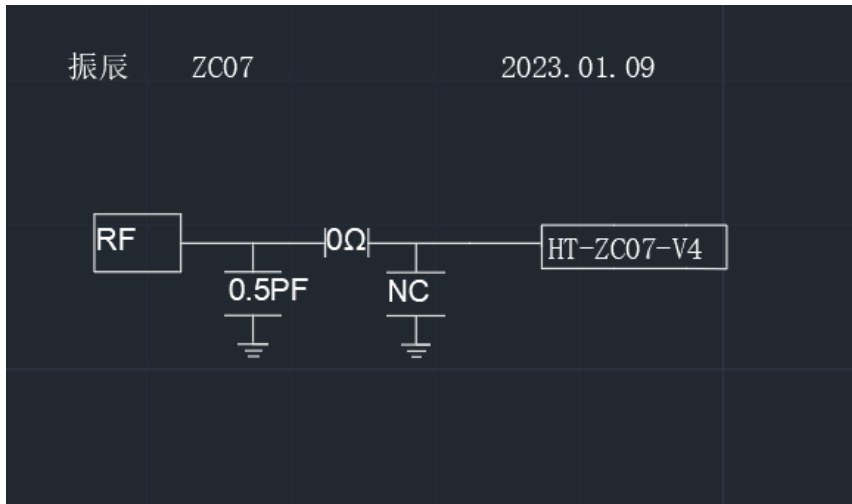
3. Electrical Specification 3-2 Passive S11 parameter

Measuring Method is a $50\ \Omega$ 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.

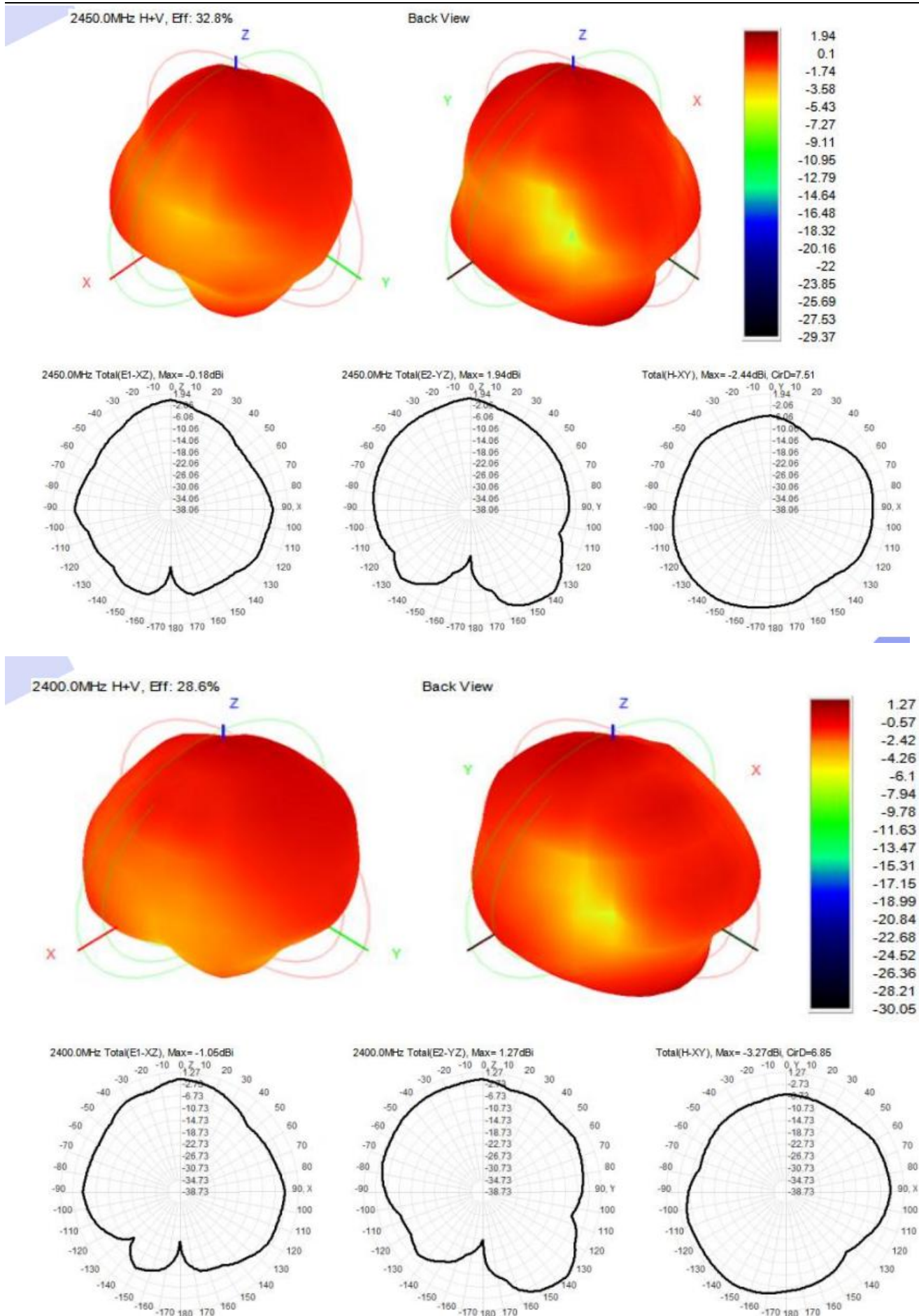


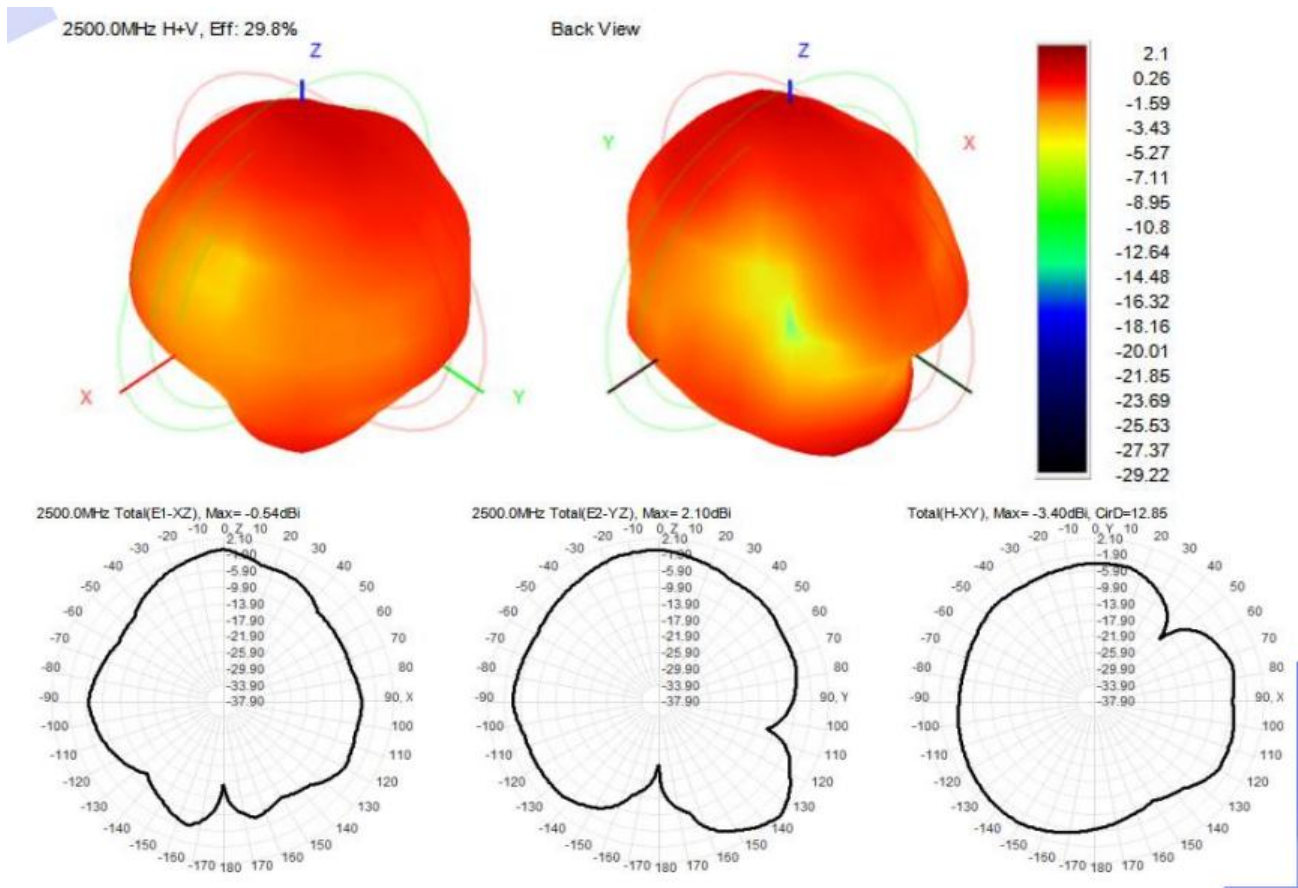
VSWR

3-3 Antenna Matching Network



Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	28.59	1.27
2410	29.70	1.29
2420	30.72	1.40
2430	32.38	1.70
2440	32.84	1.71
2450	32.75	1.94
2460	33.77	2.22
2470	33.37	2.30
2480	32.76	2.50
2490	31.96	2.44
2500	29.78	2.10





4. Mechanical Specification:

Mechanical Configuration (Unit: mm)

The appearance of the antenna is according to drawing Figure 8

Technical drawing of a mechanical part. The drawing shows a cross-section of a component with a curved left side and a stepped right side. The material is specified as HT-Zc07-V4. The dimensions are indicated by blue arrows: a horizontal length of 22.88 ± 0.2 and a vertical height of 5.68 ± 0.1 . The part is divided into two regions: a hatched (orange) region and a solid yellow region.

Tape cutting position

-

SHEN ZHEN HETUO TECHNOLOGY Co., LTD

SHEN ZHEN HETUO TECHNOLOGY Co., LTD										Date:
THEIR DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF AERMA COMMUNICATION CORP. AND SHALL NOT BE REPRODUCED OR LISTED AS THE BASIS FOR THE MANUFACTURE OF DEVICES WITHOUT PERMISSION.										Design:
										Designed:
										Drafted:
										Approved:
TITLE: HT-20C310D9001-ZC07										PART NAME:
DRAWING NO. HT-20C310D9001-ZC07										CUSTOMER NAME:
REV. NO. 001										Customer Rev:
DATE: 20231019										Version:
SCALE: 1:1										Sheet No:
SHEET NAME: BATH-UNIT-FPC-INSTANT										SHEET 1 OF 1
DATE: 20231019										