Shenzhen Hetuo Technology Co., Ltd

Sample Approved Sheet

Hetuo（R1329A-L-V1）Acknowledgment

Customer Name Dongguan Shui Wo Electronic Technology Co. , Ltd.

Client Type R1329A

Brand HT-R1329A-L-V1

Hetuo Judgment Audit Team

Formulate	Check	Ratify	Acknowledge the book completion time
Liyaona	Huxuewen	Daitingting	2024.10.28

（Ruihe）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			

Items	Date	Version	The revised notes	Notes
1	2024.10.28	A0	For the first time	
2				

1. Antenna picture

The report mainly provides the test status of the electrical properties parameters of HT-R1329A -L-V1
The HT-R1329A -L-V1antenna is a **BT** 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:

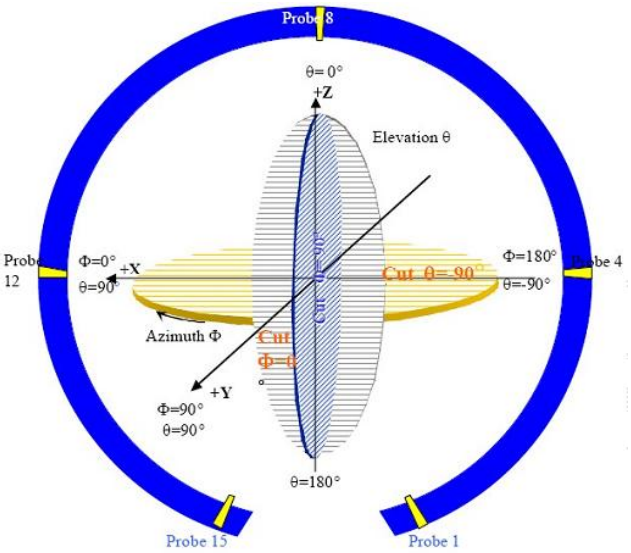


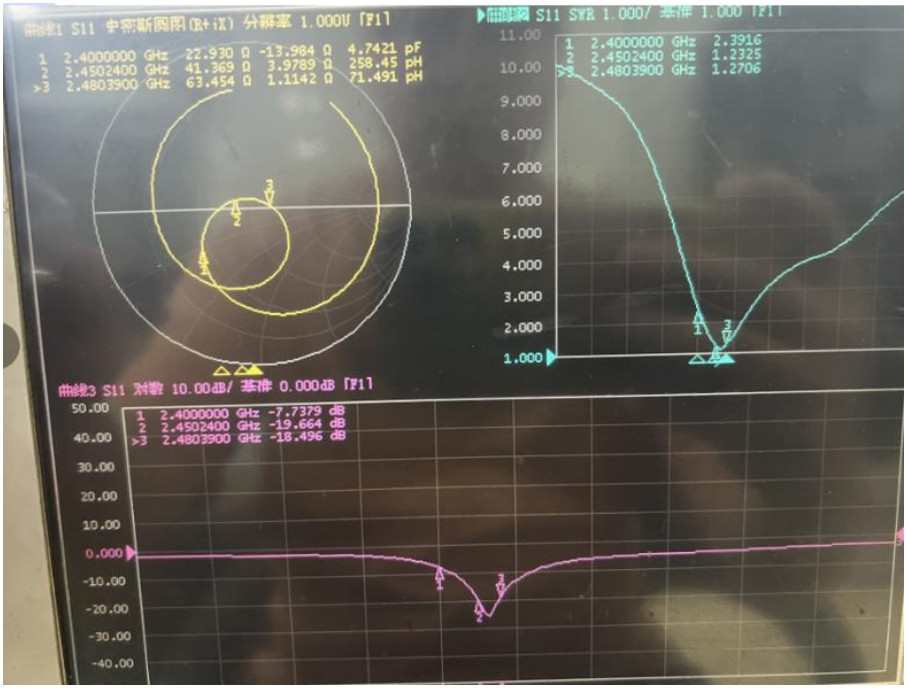
图 4 3D 微波暗室测试坐标系(back view)

3. Electrical Specification

3-2 Passive S11 parameter

Measuring Method is a 50Ω 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



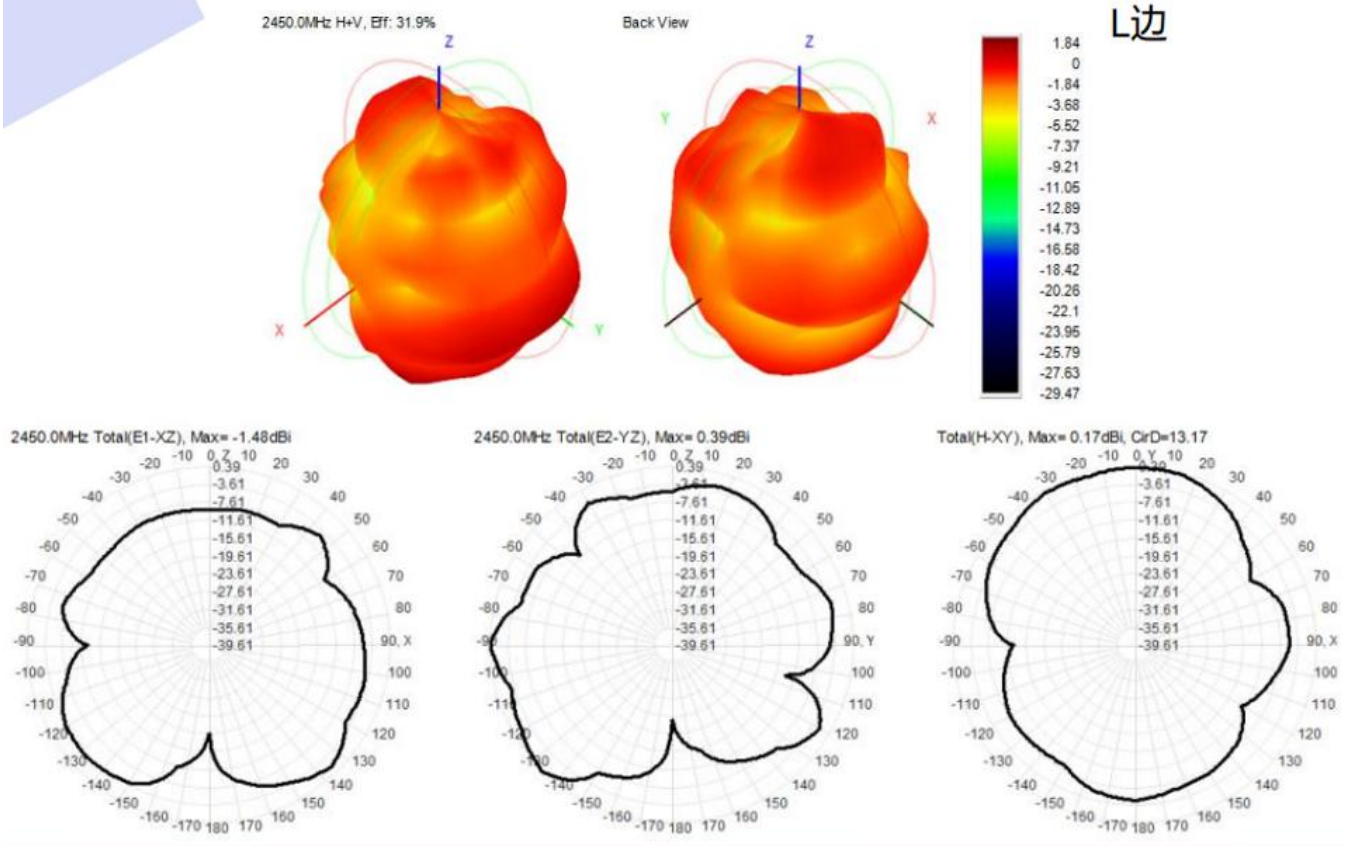
3-3 Antenna Matching Network

Frequency (MHz)	Peak GAIN (dBi)	Efficiency (%)
2400	-1.83	15.32
2410	-1.15	17.82
2420	-0.32	21.17
2430	0.31	25.84
2440	0.90	28.88
2450	1.84	31.87
2460	1.23	32.76
2470	1.28	33.33
2480	1.00	33.58
2490	0.38	31.76
2500	0.66	30.10

BT Test		L
CH	TRP	TIS
0	4.62	-90.29
39	4.52	-88.8
78	4.31	-89.21

BT Test		L
CH	TRP	TIS
0	2.45	-87.12
39	2.22	-86.35
78	2.05	-86.65

2D&3D **BT- ANT**



4. Mechanical Specification:

Mechanical Configuration (Unit: mm)

The appearance of the antenna is according to drawing Figure 8