

深圳市合拓科技有限公司

Shenzhen Hetuo Technology Co.,Ltd.

Building 1202B, Building C 6, Hengfeng industrial city, Hezhou, xixiang, Baoan District, Shenzhen City

Sample Approved Sheet

Hetuo (A6-2.4) Acknowledgment

Customer Name Shenzhen Zhongtian Electronics Development Co., Ltd.

Client Type A6-2.4

Brand HT-A6-2.4G-V1

Hetuo Judgment Audit Team

Formulate	Check	Ratify	Acknowledge the book completion time
Liyaona	Huxuewen	Daitingting	2025.7.8

(Zhongtian) 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

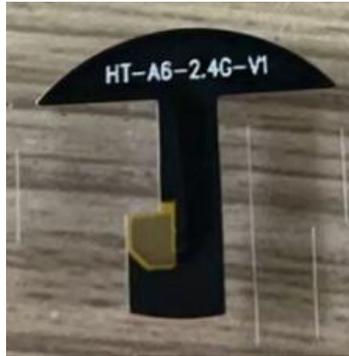
Appraisal report Accept

Conditional acceptance

Refuse

1. Antenna picture

The report mainly provides the test status of the electrical properties parameters of **HT-A6-2.4G-V1**. The **HT-A6-2.4G-V1** antenna 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:

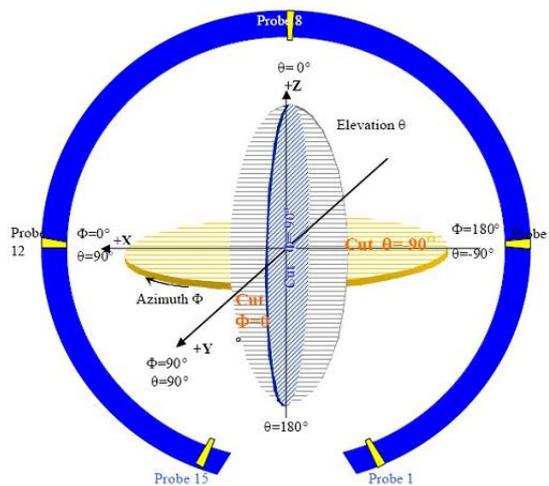


图4 3D 微波暗室测试坐标系 (back view)

3. Electrical Specification

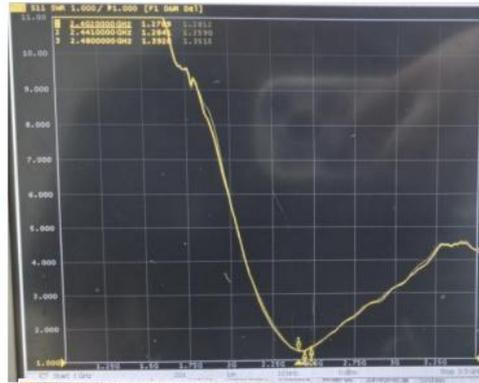
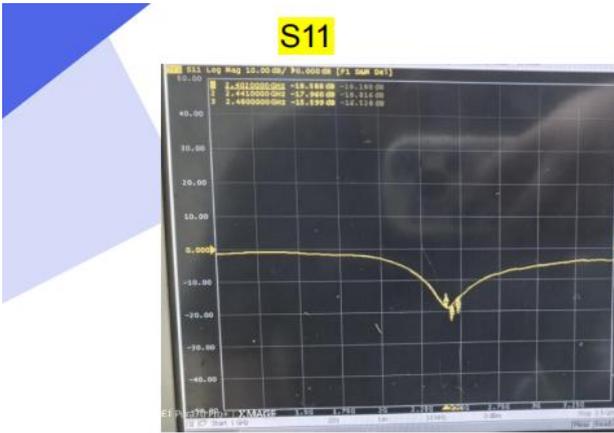
3-2 Passive S11 parameter

Measuring Method is a 50 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

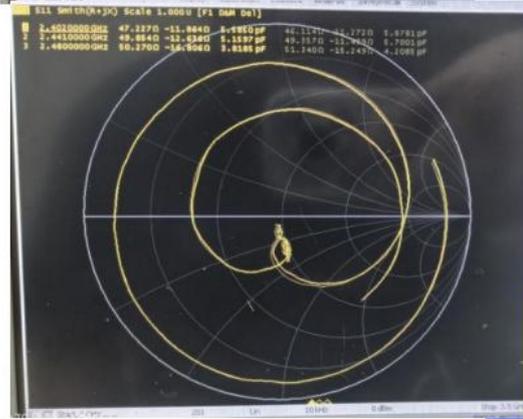
at least 20cm.

VSWR

Shenzhen Hetuo Technology Co., Ltd

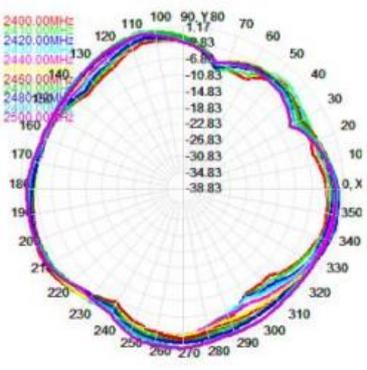
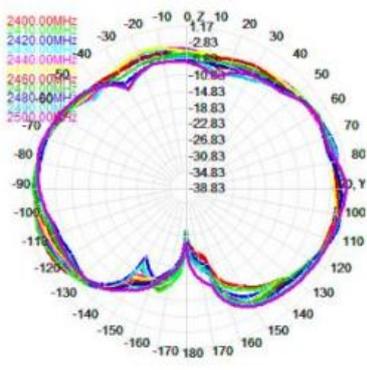
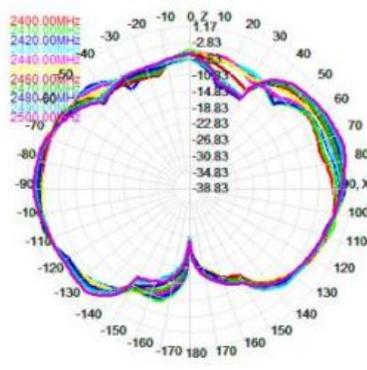
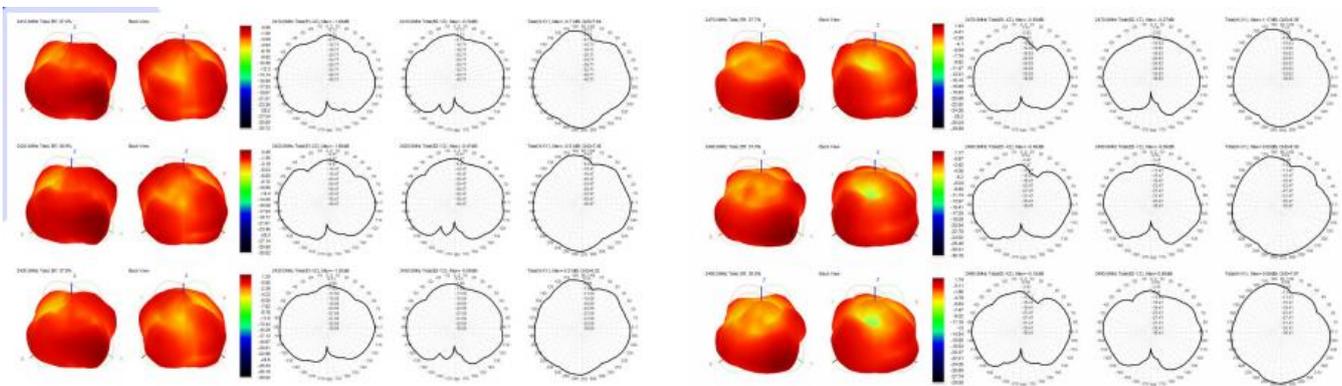


Frequency (MHz)	2400	2450	2500
Smith	47.22	49.85	50.27
Log mag	-18.58	-17.96	-15.59
VSWR	1.27	1.28	1.39



Confidential Information

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	35.6	1.1
2410	36.9	1.4
2420	37.3	1.2
2430	37.5	1.3
2440	37.6	1.4
2450	37.8	1.4
2460	37.8	1.2
2470	38	1.4
2480	37.8	1.6
2490	37.6	1.5
2500	37.3	1.3



BTANT-**FS**

Test Equipment:	R&S CMW500			
Test Condition:	3D chamber			
Band	Wireless Protocol	Channel	TRP(dBm)	TIS(dBm)
BT	CLASS 1	0	1.6	-84.63
		39	2.3	-84.11
		78	1.8	-83.69

