

# Shenzhen Hetuo Technology Co., Ltd.

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Sample Approved Sheet

client's name	JiangXi MeiDong Technology Co., Ltd.		
Project Name	BA01		
Customer code		Part No	HT-20230506003
Specification Description			

## 1. Antenna picture

The report mainly provides the test status of the electrical properties parameters of **BA01**. The **BA01** 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:

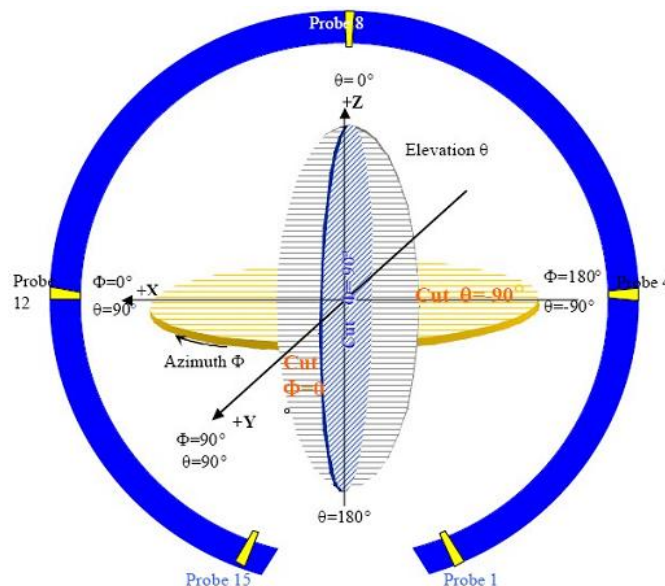


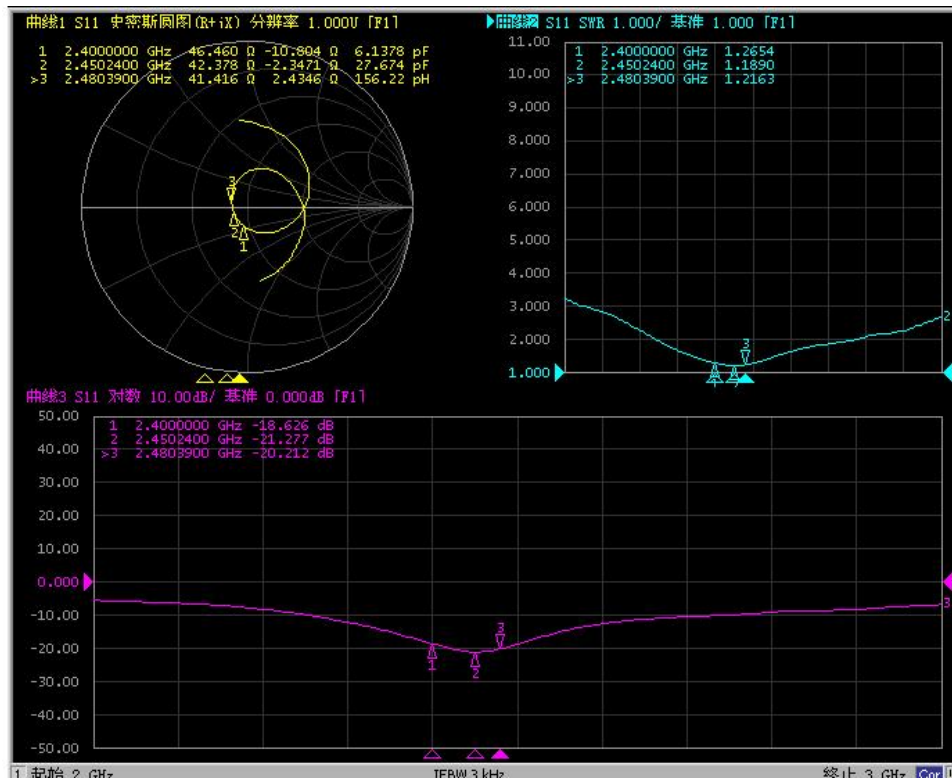
图4 3D微波暗室测试坐标系(back view)

## 3. Electrical Specification

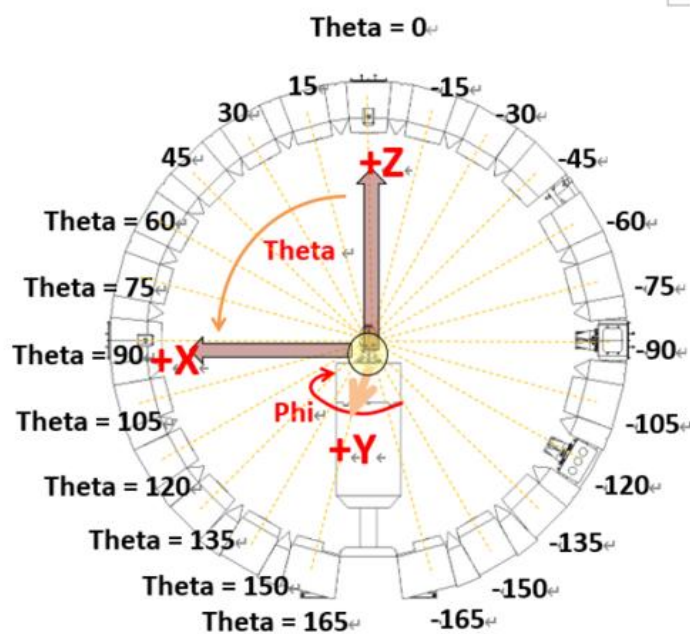
### 3-2 Passive S11 parameter

Measuring Method is a 50  $\Omega$  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.

无源 S11—(WIFI ANT)



## Sample status & coordinates



### 3-3 Antenna Matching Network

#### Gain & Efficiency — 2.4G WIFI

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	66.03	3.16
2410	66.97	3.24
2420	67.09	3.14
2430	68.80	3.14
2440	67.47	3.28
2450	67.25	3.07
2460	65.54	2.94
2470	63.92	2.90
2480	59.34	3.08
2490	56.81	2.83
2500	54.56	2.82

#### 2D&3D — 2.4G WIFI

