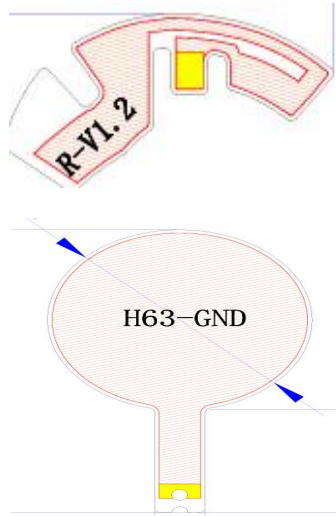

Antenna Specification

Manufacturer	Shenzhen Yaxin Communication Technology Co., Ltd.
Address	Rm 1202B, C6 Comprehensive Bldg, Hengfeng Industrial City, No.739 Zhoushi Rd, Hezhou Community, Hangcheng Subdist, Bao'an Dist, Shenzhen, Guangdong, China
Model:	YX-H63
Antenna Type	FPC antenna

1. Antenna picture

The report mainly provides the test status of the electrical properties parameters of **YX-H63-R-V1.2**. The **YX-H63-GND** 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:

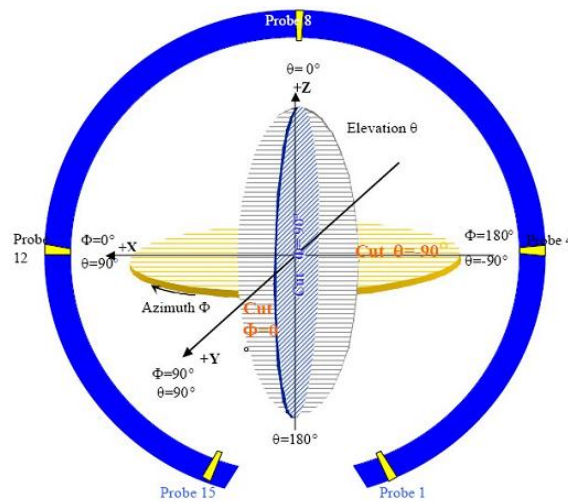
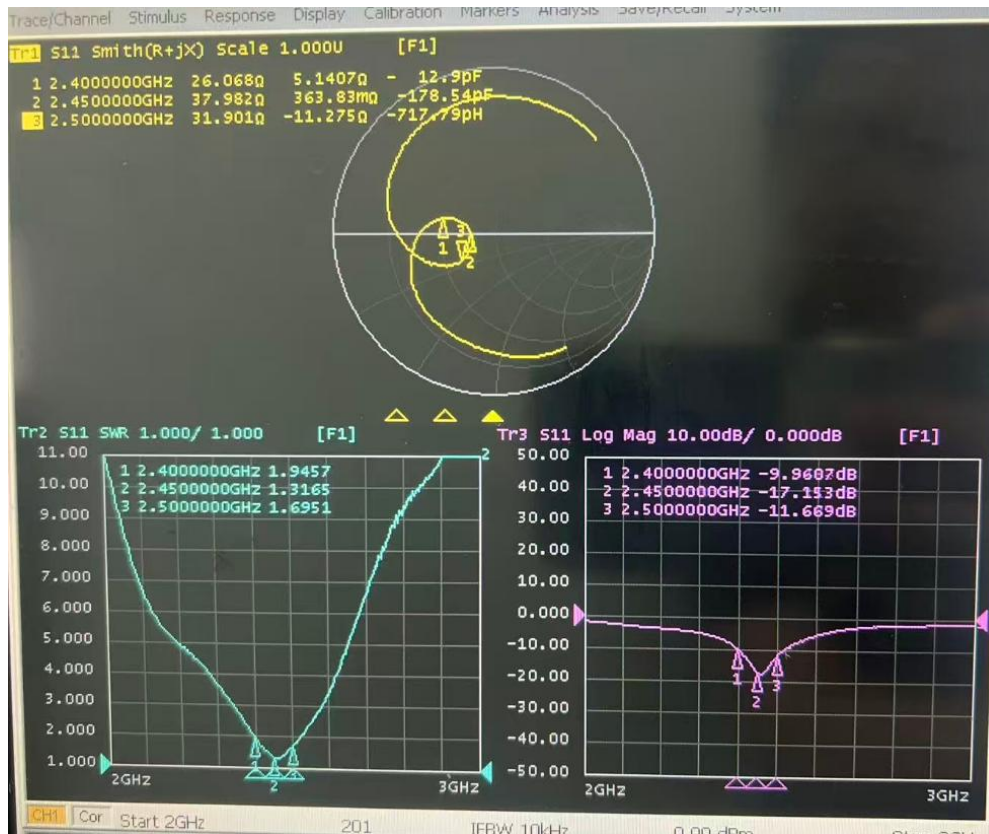


图 4 3D 微波暗室测试坐标系 (back view)

3. Electrical Specification

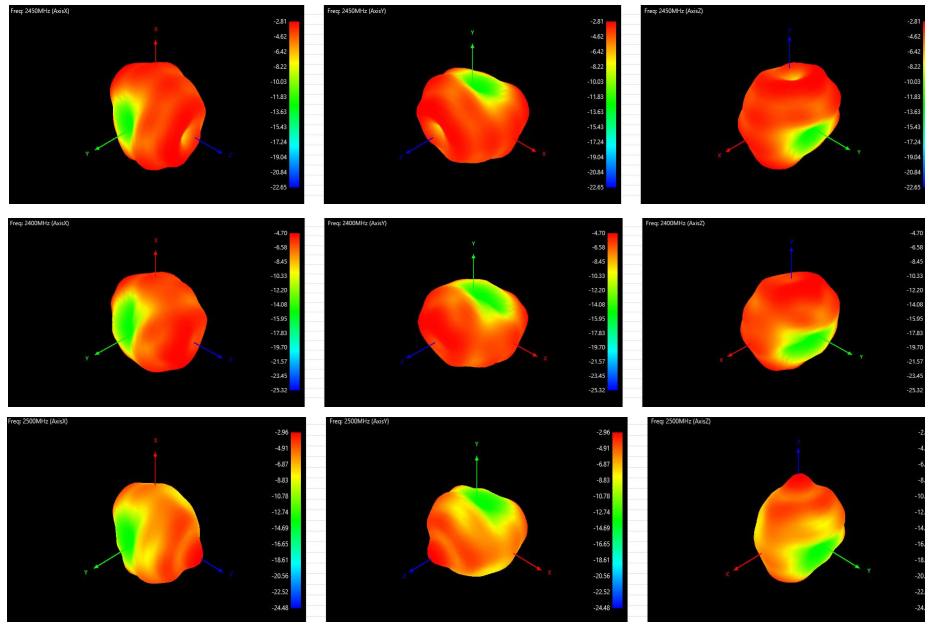
3-2 Passive S11 parameter

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

3-3 2D/3D field pattern diagram



3-4 Passive efficiency & Gain

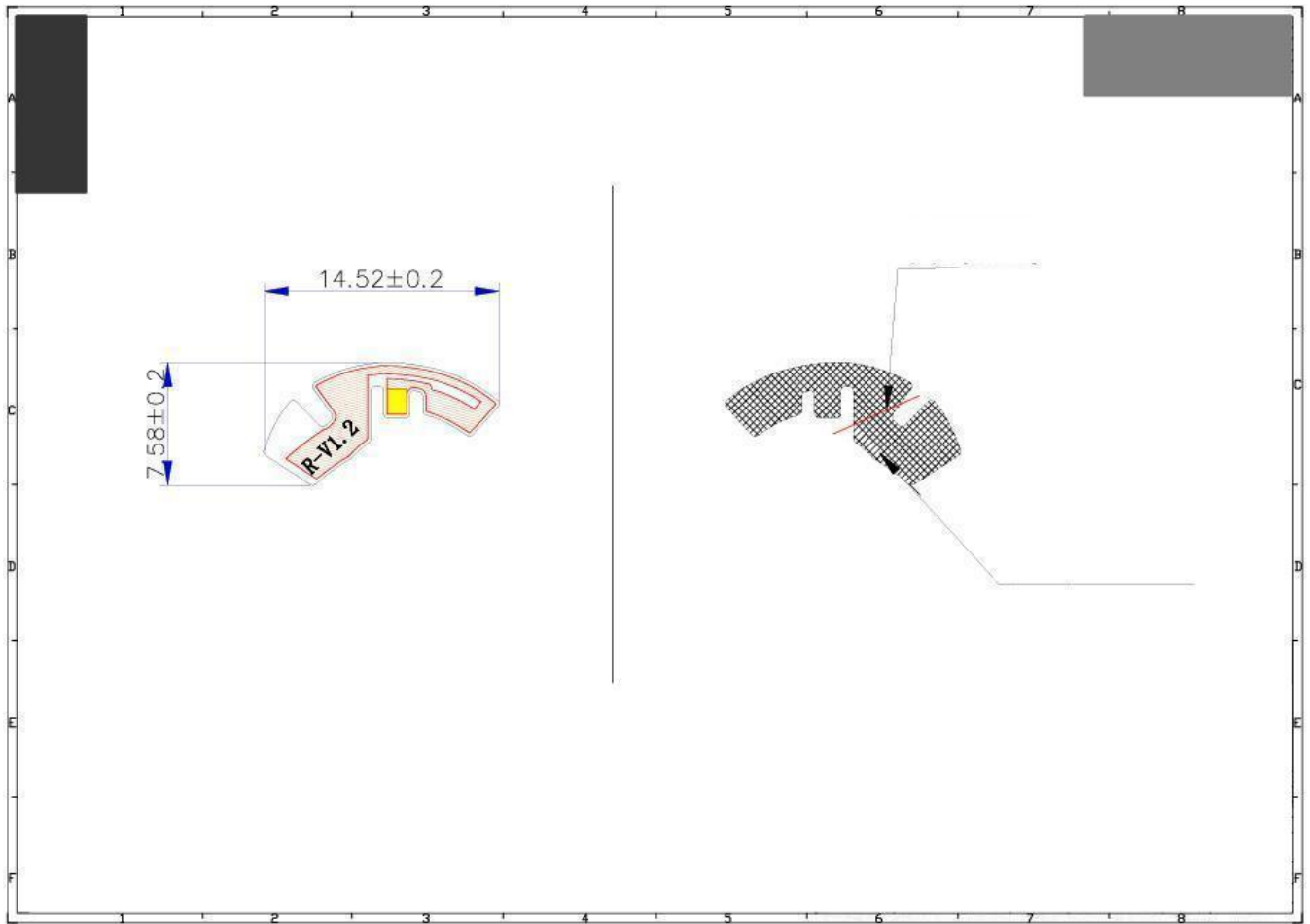
Frequency(MHz)	Gain(dBi)	Efficiency(%)
2400	-2.55	16.57
2410	-2.38	17.64
2420	-2.31	18.45
2430	-2.34	18.99
2440	-2.33	19.11
2450	-2.23	19.11
2460	-2.24	18.75
2470	-2.33	17.96
2480	-2.5	17.03
2490	-2.75	15.96
2500	-2.97	15.01

3-5 OTA active

FS BT TEST		
R		
CH	TRP	TIS
0	0.55	-85.66
39	0.68	-84.98
78	0.71	-84.65
BH BT TEST		
R		
CH	TRP	TIS
0	0.25	-83.74
39	1.05	-82.67
78	1.22	-82.71

4. Mechanical Specification:

Mechanical Configuration (Unit: mm) he appearance of the antenna is according to drawing Figure 10



MODIFICATION			
VER	DESCRIPTION	DATE	ENGINEER
V1.0	REVISED	24.4.18	

