

Shenzhen Yunzhishang Electronics Co., Ltd.

APPROVAL SHEET

客户 Customer	Shenzhen Asia Universal Technology Co.,Ltd	规格型号 Specs	AB006B
云之上料号 Part Number	YZS006-ABB06-021-A0 YZS006-ABB06-022-A0	频 段 Frequency Band	2.4G
颜 色 Color	Black	版 本 Version	REV:A0
销 售 Salesperson	蒋涛	设 计 Design	
结 构 Structure	覃云林	确 认 Confirm	
日 期 Date	2026/03/20	签字日期 Signing Date	
客户确认 Customer confirmation:			
携手共进 共创未来 Join hands to create the future			

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1. 产品规格 Product Specifications

This report mainly provides parameter testing for the performance of the ABB06 antenna. (See Figure below)

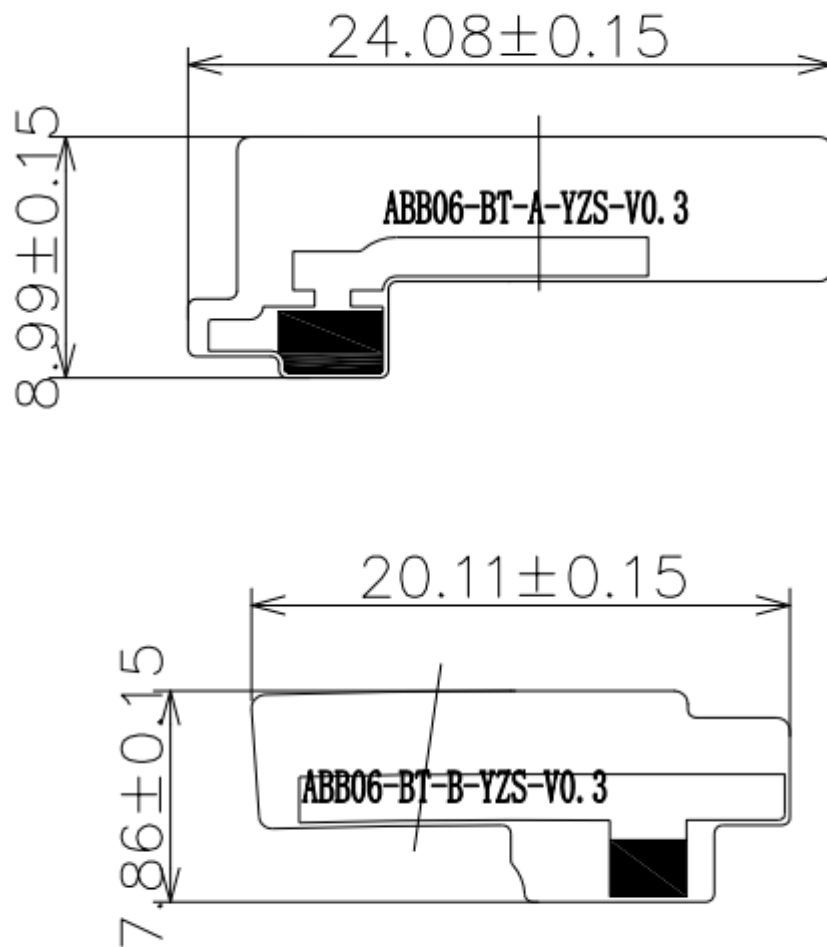


Figure1 Antenna ABB06

2. 电器性能 Electrical Performance

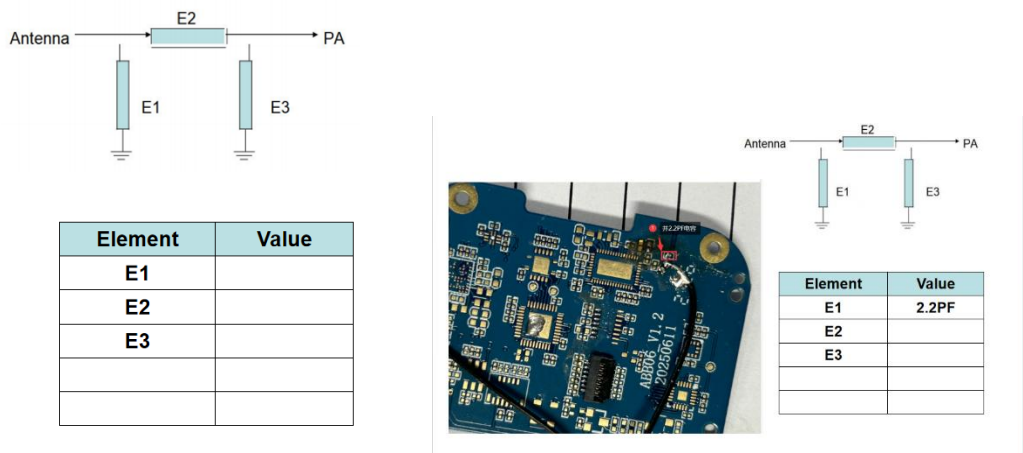
2.1 规格标准 Specification Standards

ABB06 天线工作频段在 700--1990mhz，在此频段产生谐振。

The antenna operates in the frequency band of 700–1990 MHz and resonates in this band.

2.2 天线的匹配电路 Antenna Matching Circuit

Antenna type: FPC

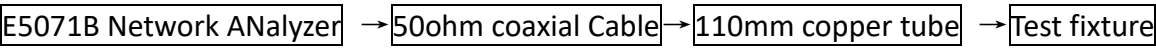


匹配电路（Matching circuit）

3. 参数的测试 Parameter Testing

3.1 测试的设置 Test Setup

VSWR 测试装置依次的连接为 VSWR test equipment connection sequence:



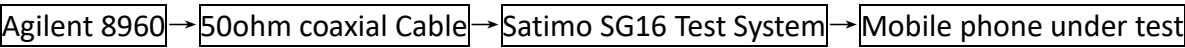
测试治具的处理：从手机 PCB 上天线 50 欧姆测试点处用一根硬质电缆引出 SMA-J 接头，与套有扼流圈的铜管连接，再依次连接其他装置。

Test fixture treatment: A rigid cable is led out from the 50-ohm test point of the antenna on the mobile phone PCB to an SMA-J connector, connected to a copper tube with a choke coil, and then connected to other equipment in sequence

3.2 测试结果 No abnormality。

4. 有源测试的设置 Active Test Setup

有源测试装置依次的连接为 Active test equipment connection sequence::



4.1 测试的场地 Test Site

AW 微波暗室：测试频率范围为 400MHz—6GHz，静区范围为 40cm 圆周，反射率小于-90 dB

AW microwave anechoic chamber: Test frequency range 400 MHz – 6 GHz, quiet zone range 40 cm diameter, reflectivity less than -90 dB.。

4.2 测试结果 Test Results

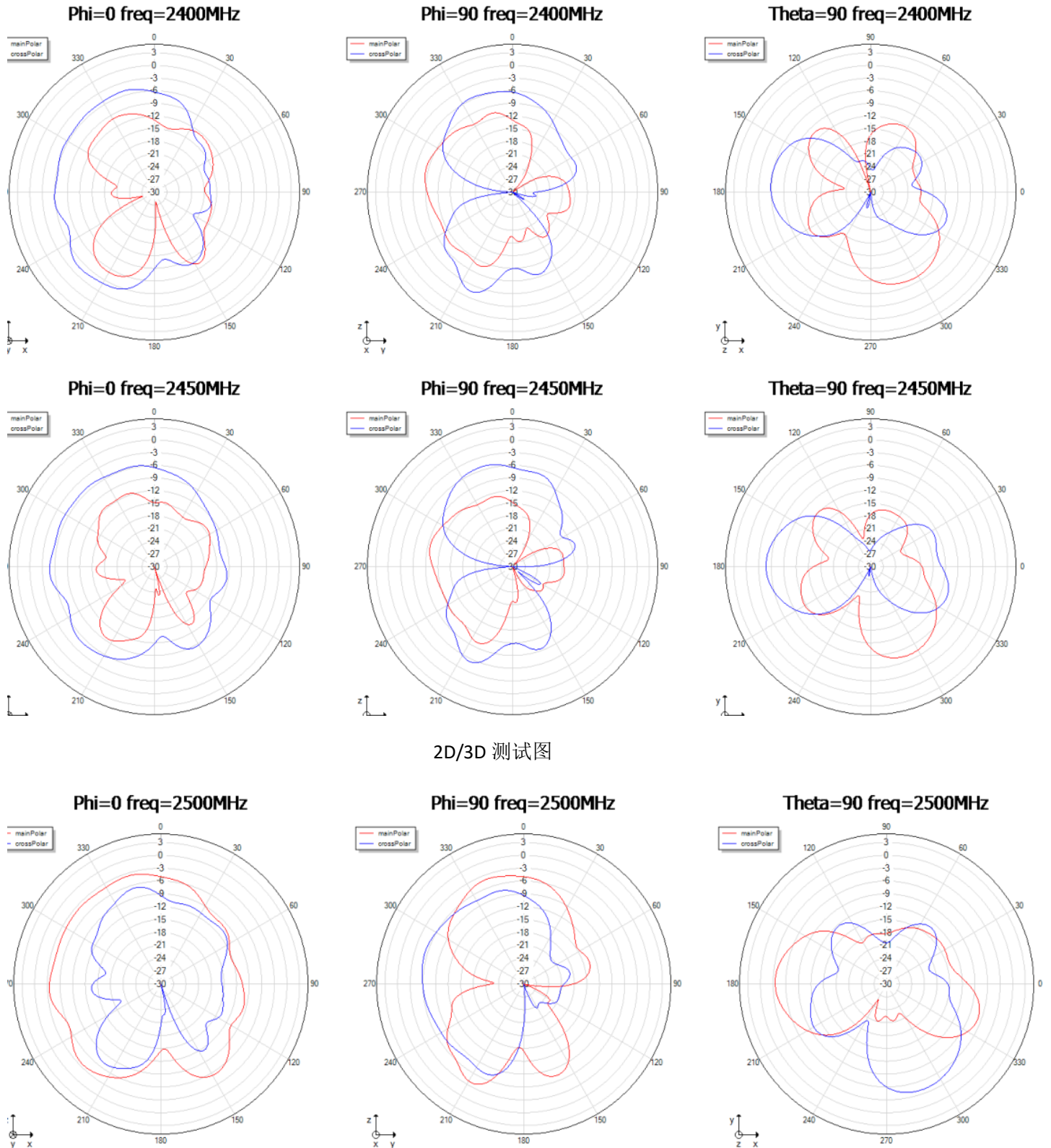
最大辐射功率和最大接收灵敏度反映了天线在整个辐射空间内最大功率辐射值和最佳接收性能。TRP 和 TIS 反映了天线的平均辐射功率和平均接收灵敏度，即反映了天线的整体接收性能。

Maximum radiated power and maximum receiving sensitivity reflect the maximum power radiation value and optimal receiving performance of the antenna in the entire radiation space. TRP and TIS reflect the average radiated power and average receiving sensitivity of the antenna, i.e., the overall receiving performance of the antenna.

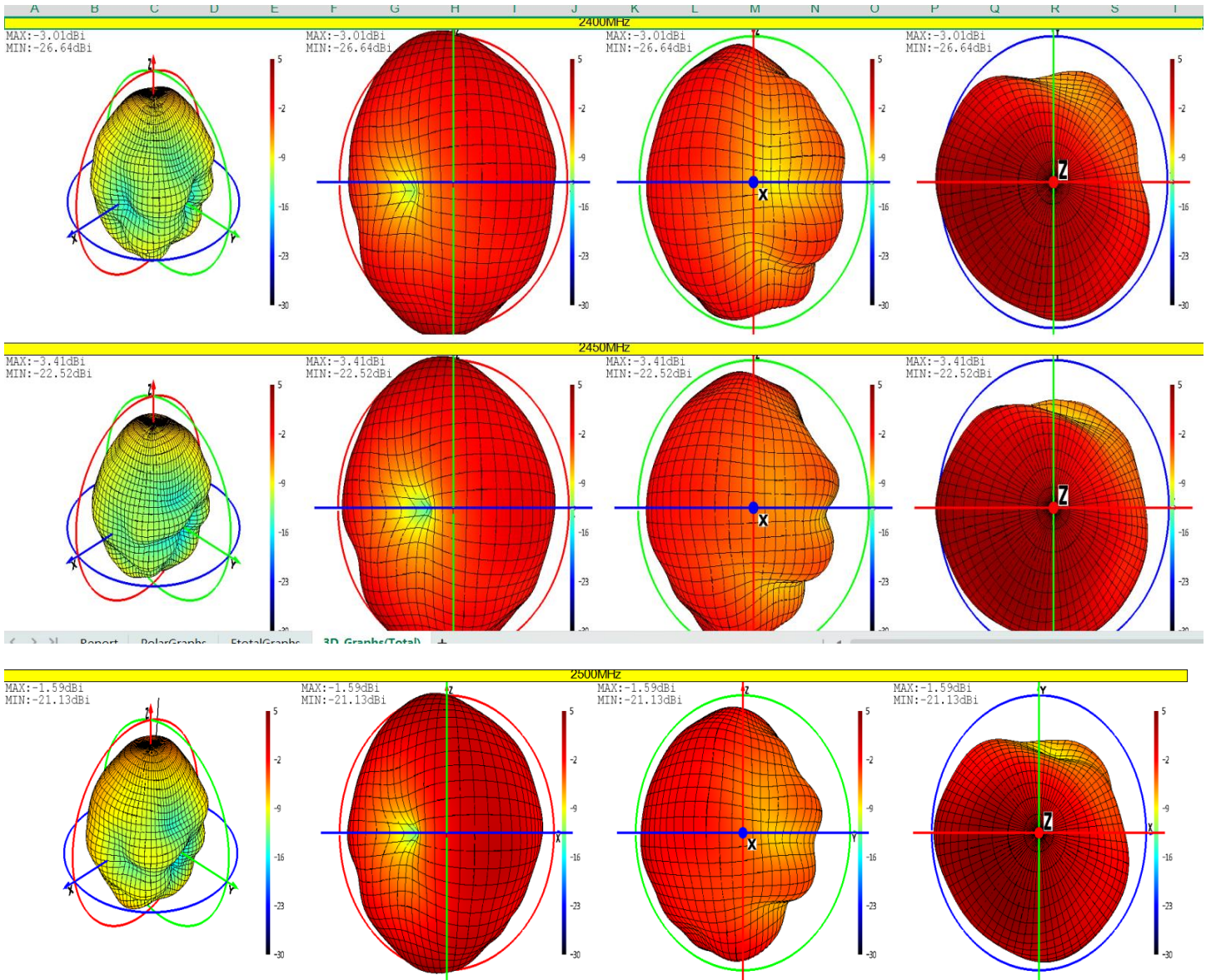
下面为 ABB06 天线无源测试结果：ABB06-A 和 ABB06-B 天线的测试数据

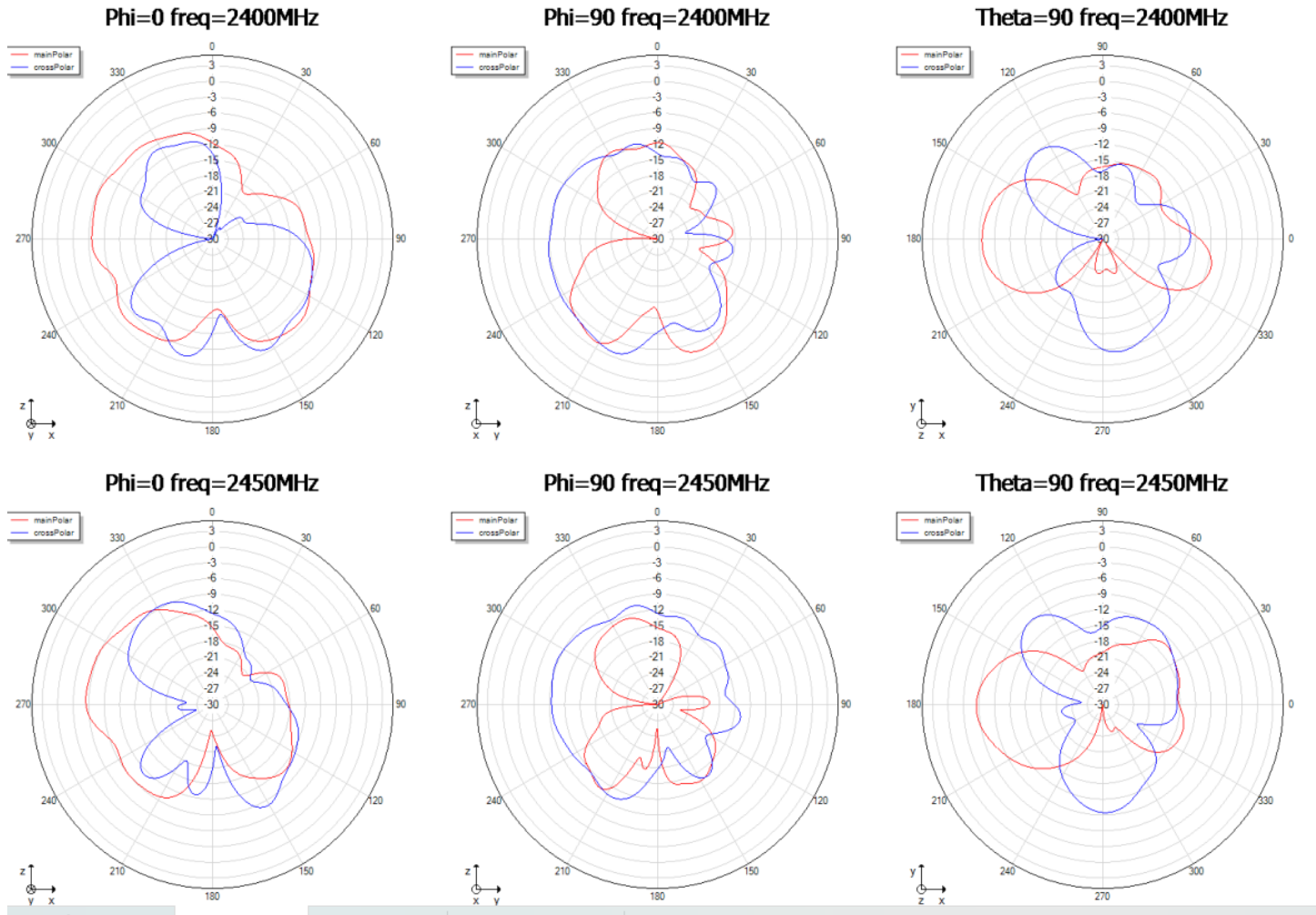
The following are the passive test results of the ABB06 antenna: Test data of ABB06-A and ABB06-B antennas

Frequency ID	1	2	3
Frequency (MHz)	2400	2450	2500
Gain (dBi)	-3.01	-3.41	-1.59
Efficiency (dB)	-7.90	-8.51	-6.44
Efficiency (%)	16.22	14.08	22.70
Plane: Phi=0	2400	2450	2500
Plane: Phi=90	2400	2450	2500
Plane: Theta=90	2400	2450	2500



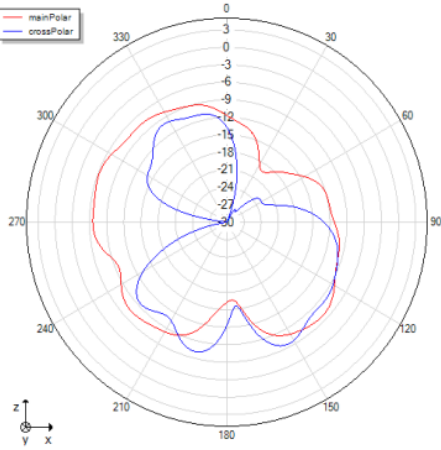
2D/3D 测试图



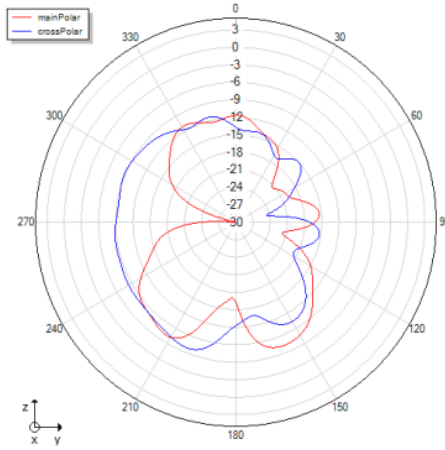


Frequency ID	1	2	3
Frequency (MHz)	2400	2450	2500
Gain (dBi)	-3.64	-4.62	-4.19
Efficiency (dB)	-8.79	-10.08	-8.57
Efficiency (%)	13.22	9.82	13.91
Plane: Phi=0	2400	2450	2500
Plane: Phi=90	2400	2450	2500
Plane: Theta=90	2400	2450	2500

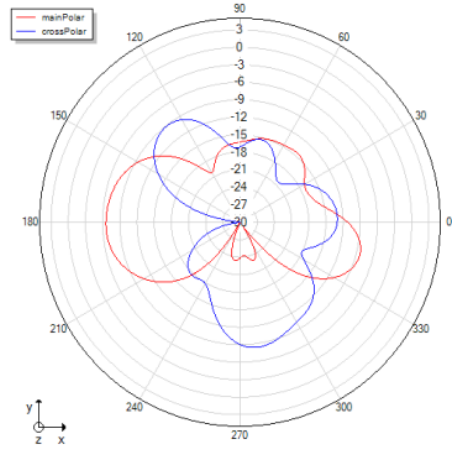
Phi=0 freq=2400MHz



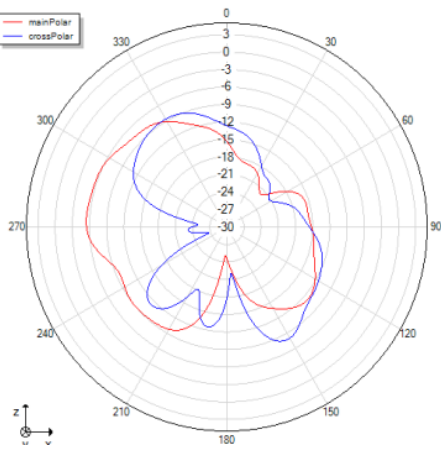
Phi=90 freq=2400MHz



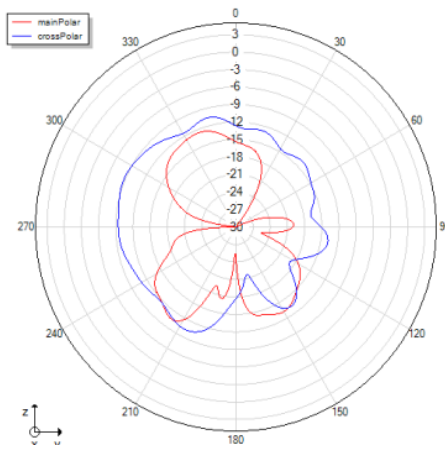
Theta=90 freq=2400MHz



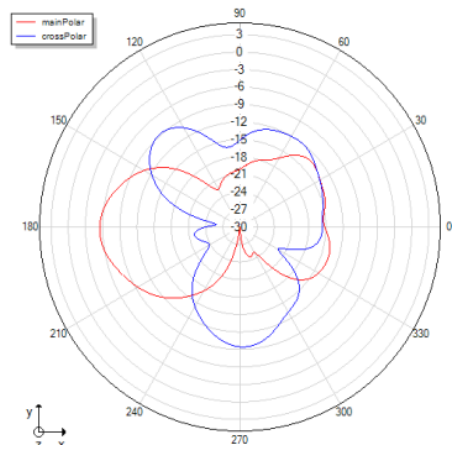
Phi=0 freq=2450MHz



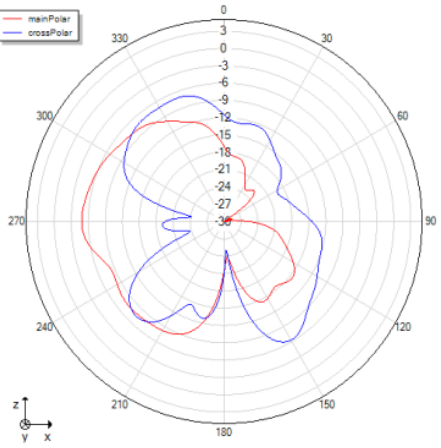
Phi=90 freq=2450MHz



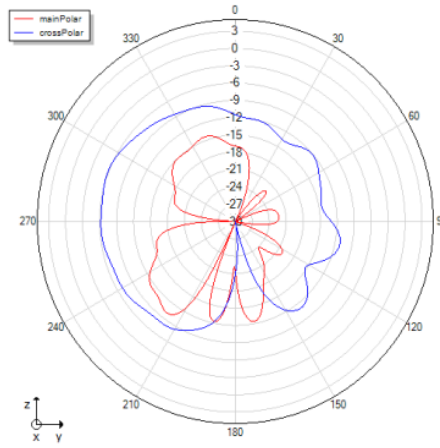
Theta=90 freq=2450MHz



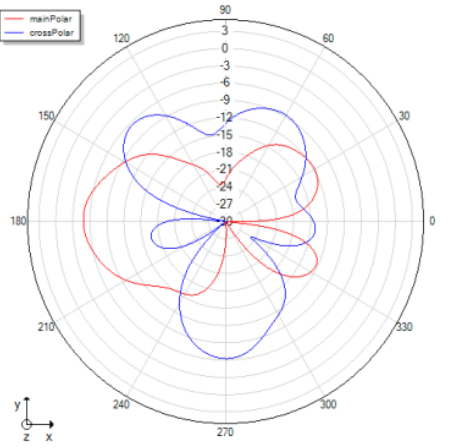
Phi=0 freq=2500MHz

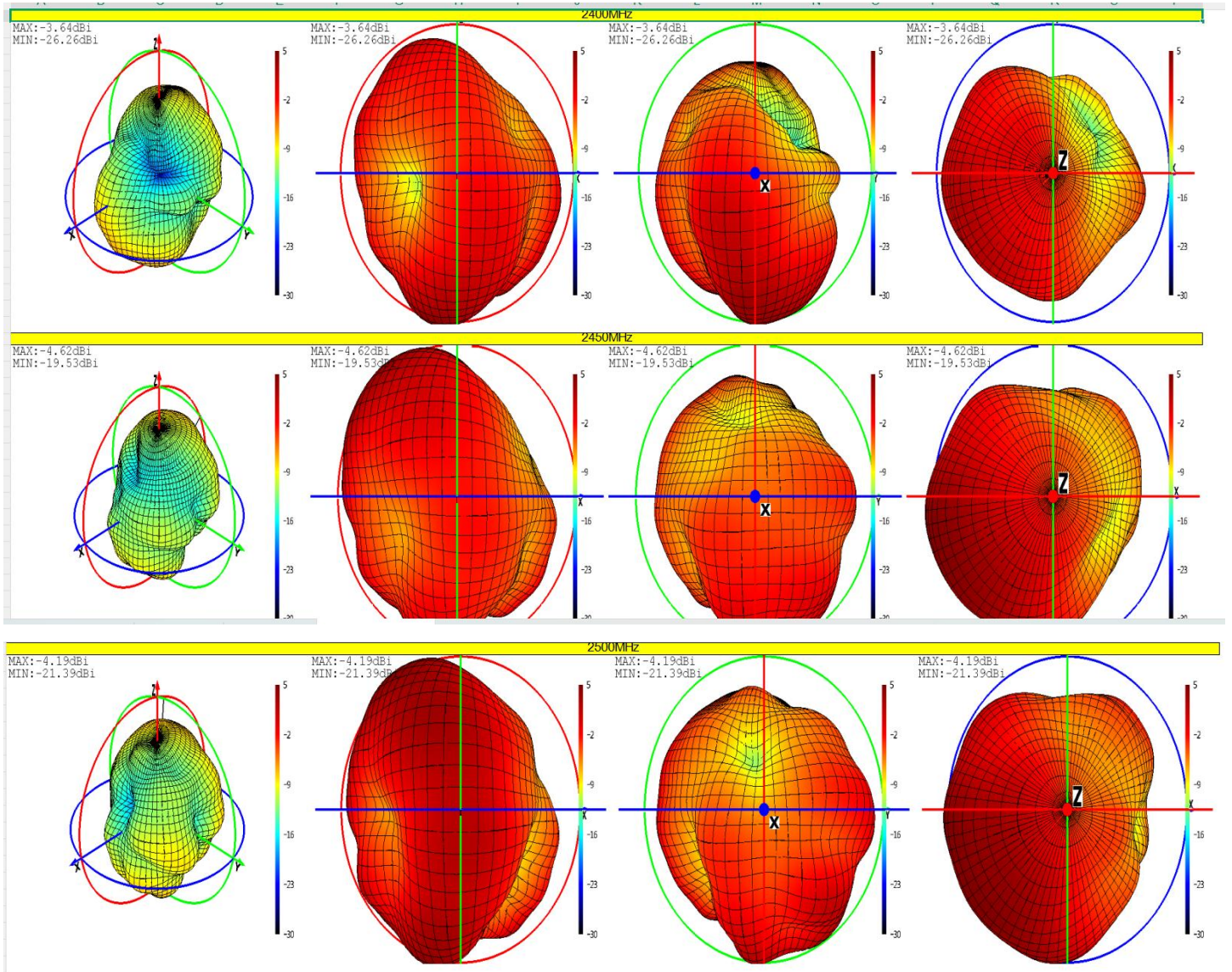


Phi=90 freq=2500MHz



Theta=90 freq=2500MHz





5. 结构图纸 Structure drawing

