

ANTENNA SPECIFICATION



ShenZhen City FeiMin Technology CO., LTD.

SPECIFICATION FOR APPROVED

CUSTOMER: Dongguan baiyun electronic technology co., ltd.

PRODUCTS: 2.4G antenna

Antenna type PIFA Antenna

Spec. : FM-S1562-MN-40

Data: 2023. 12. 22

SUPPLIER		
PREPARED BY	CHECKED BY	APPROVED BY
FanMa	XingxiXia	DongdongMa

CUSTOMER		
ACCEPTED BY	CHECKED BY	APPROVED BY

REMARK: Please send us one (or copy) of this approval with stamp after accepting, other copies filed by the customer.

ADD: Room 303, Building C, Hengnan one Road, Gushu community, Xixiang Street, Bao'an District, Shenzhen City

Tel: 0755-23035723

Fax: 0755-23036702

E-mail: ant001@fmant.cn

HTTP: www.fmant.cn



目录

1. 项目信息 Project Information	2
1.1. 外观尺寸 Appearance and Dimensions	2
2. 电气性能 Electrical Characteristics	4
2.1. 测试环境条件 Test Environment Conditions	4
2.2. 测试方法 Measurement method	4
2.2.1. 天线电压驻波比 Antenna VSWR	4
2.2.2. 天线回波损耗 Antenna Return loss	5
2.3. 天线无源测试数据 Antenna passive test data	5
2.3.1. 测试系统 Test system	5
2.3.2. 天线效率及增益 Antenna efficiency and gain	5
2.3.3. 天线辐射方向图 Antenna Radiation Pattern	6
3. Notes	7
4. 产品包装规范 Product packaging specification	9

ANTENNA SPECIFICATION

Revision history

version	date	condition
A1	2023-12-22	First edition

Changes:

First change:

Before the change: (If necessary, please add corresponding pictures, and the details of the change should be clearly described here)

After the change: (If necessary, please add corresponding pictures, and the details of the change should be clearly described here)

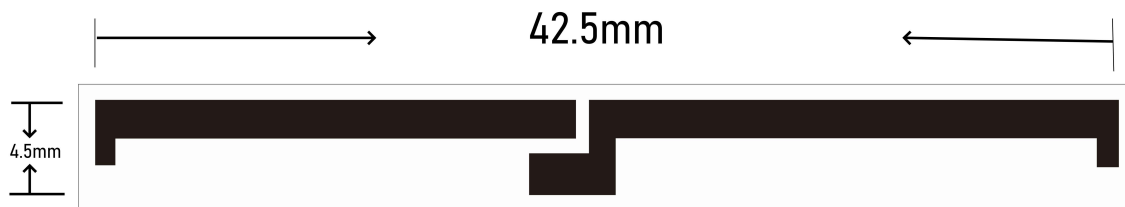
Manufacturer: ShenZhen City FeiMin Technology CO.,LTD.

Address: Plant 303, Building C, Hengnan Road, Gushu Community, Xixiang Street, Baoan District, Shenzhen



1. Project Information

1.1.Appearance and Dimensions



1.2. A physical diagram of the antenna

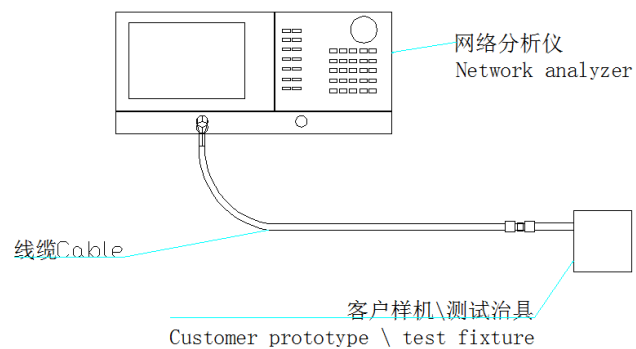


2. Electrical Characteristics

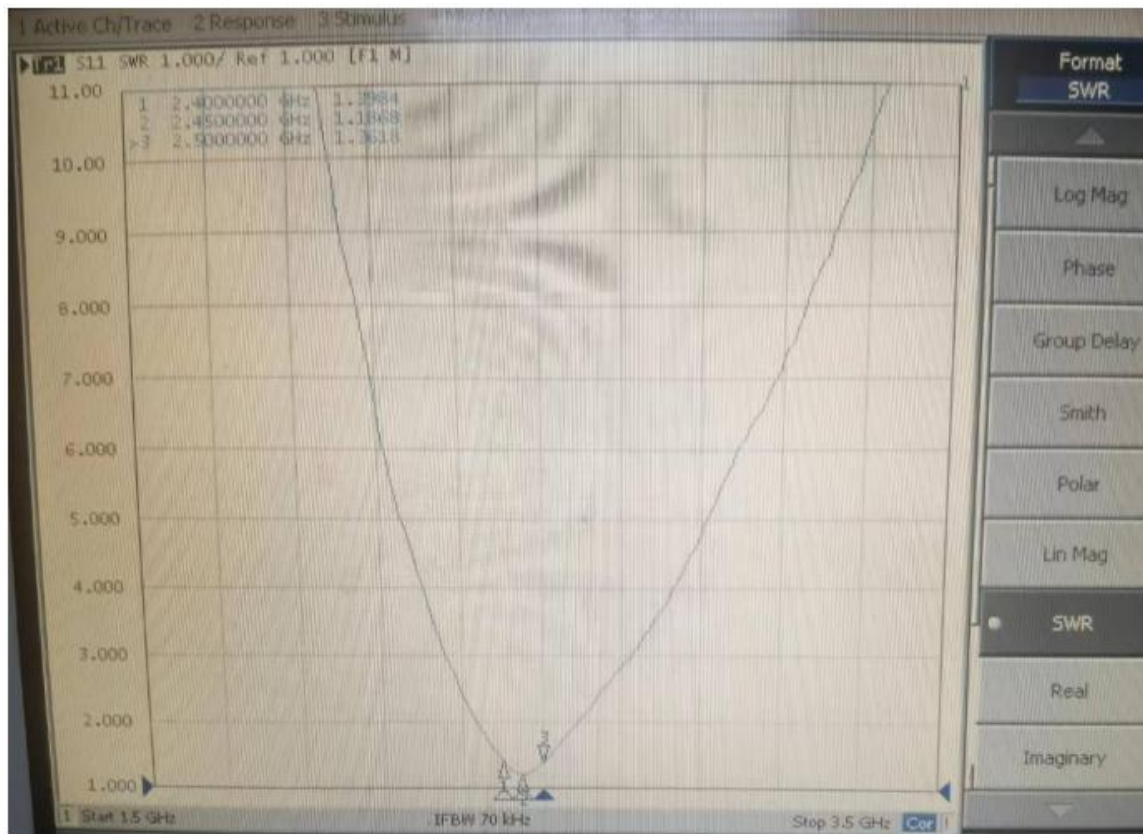
2.1. Test Environment Conditions

Temperature	Ordinary Temperature (5 to 35℃)
Humidity	Ordinary Humidity (25 to 85% RH)

2.2. Measurement method

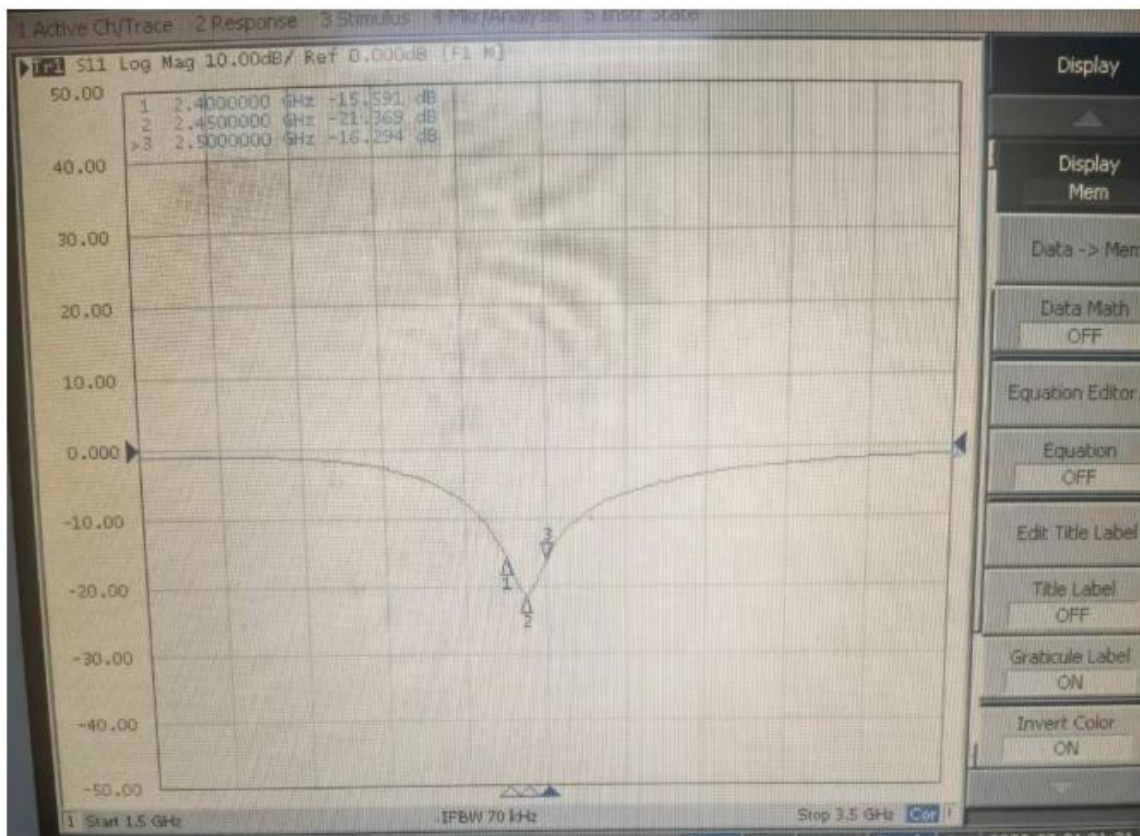


2.2.1. Antenna VSWR



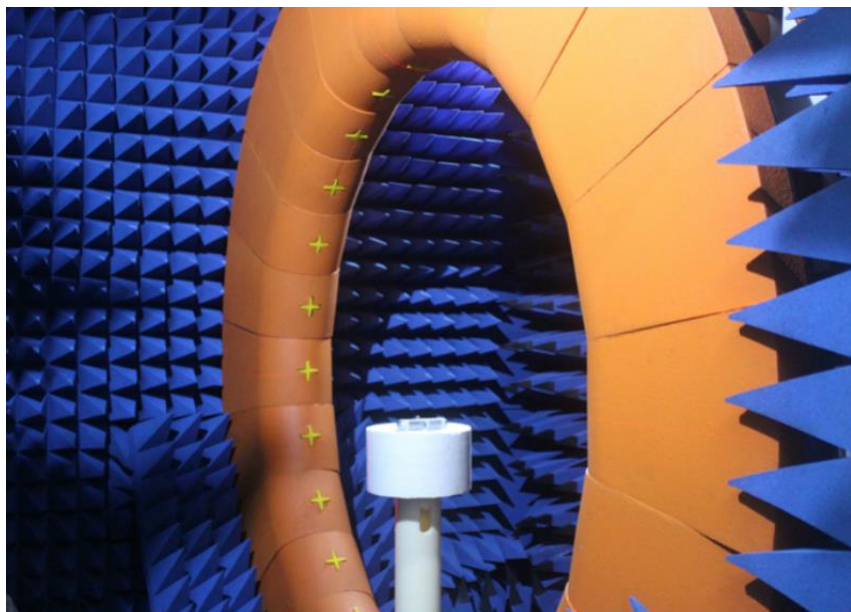
ANTENNA SPECIFICATION

2.2.2. Antenna Return loss



2.3. Antenna passive test data

2.3.1. Test system



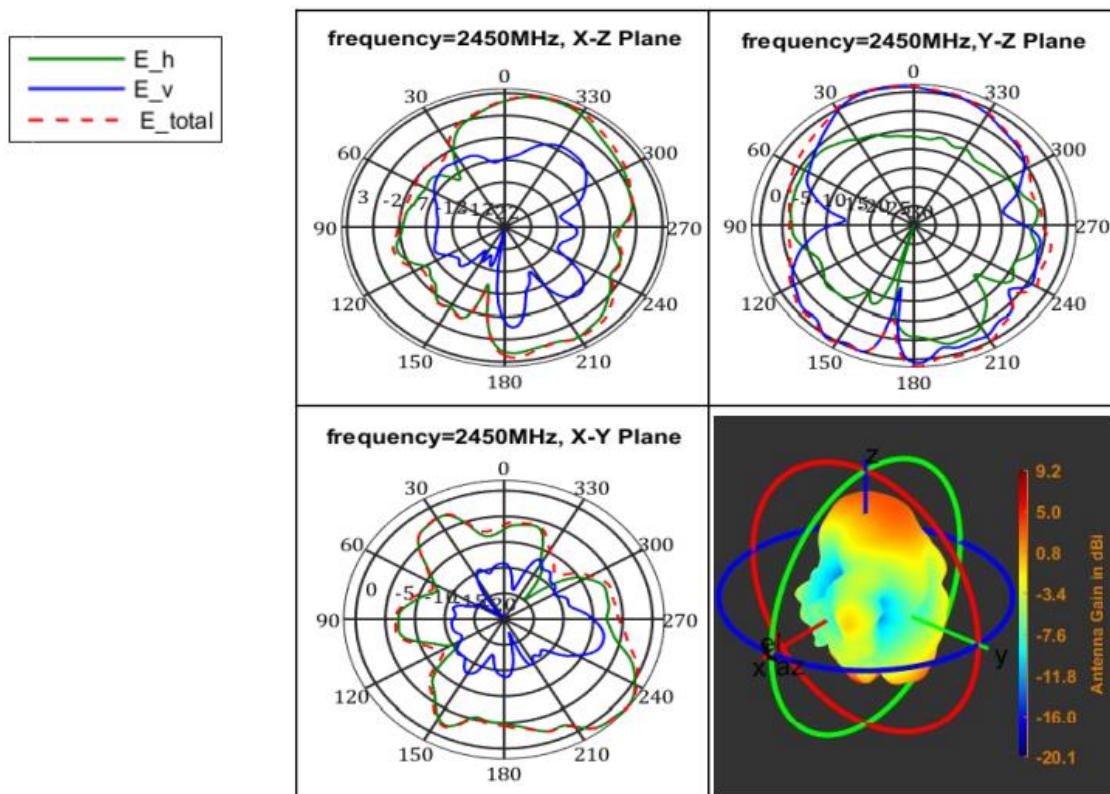
Shenzhen Feimin Technology Co., Ltd. (24-probe OTA microwave darkroom)

ANTENNA SPECIFICATION

2.3.2. Antenna efficiency and gain

Antenna		
Freq(MHz)	Efficiency (%)	Gian(dBi)
2400	50.26	3.02
2410	51.33	3.08
2420	52.02	3.12
2430	53.06	3.23
2440	53.74	3.29
2450	52.72	3.01
2460	53.55	3.33
2470	55.17	3.44
2480	54.39	3.46
2490	55.89	3.24
2500	55.15	3.25

2.3.3. Antenna Radiation Pattern



ANTENNA SPECIFICATION

3. Notes

1. When installing, be careful not to be too close to the metal part to avoid affecting the antenna performance.
2. This antenna is only suitable for this model, and the position of the antenna cannot be changed at will. If it is used on other machines, the effect will become worse, which has nothing to do with our company.
3. The data (such as antenna efficiency, gain, etc.) used in this acknowledgement are all obtained from the laboratory test of this recognition project/antenna in Shenzhen Feimin Technology Co., Ltd.

4. Product packaging specification

Product name: 2.4G antenna

1、Labeling requirements

The inner label is 7CM long and 4CM wide

The outer label is 7CM long, about 5CM

supplier	Shenzhen Feimin Technology Co., Ltd.
product name	*****
Material coding	*****
Specifications	*****
quantity	***PCS

client's name			
supplier	Shenzhen Feimin Technology Co., Ltd.		
Order number	*****		
Material coding	*****		
Specification model	*****	product name	*****
quantity	*****PCS	QC:	
spare parts	***PCS	Notes	

2、Packing process

Job description:

1. The product __PCS is packed in PE open pockets, and the inner label is affixed to each pouch; Put the __ small bag into the big PE sealing tape bag, except the tail number and spare parts.
2. Each box contains __ large bags of products, and the boxes are sealed with adhesive tape in the shape of "I".
3. Paste the outer label on the upper right corner of the box, and there must be no missing or wrong filling.

3、Precautions

When packing the box, please pay attention to lay the antenna flat and avoid serious shaking after sealing. If the whole box is not filled, it needs to be filled with foam to avoid transportation Circumstances that caused product defects in the process.

