



深圳市飞敏科技有限公司

ShenZhen City FeiMin Technology CO., LTD.

产品承认书

SPECIFICATION FOR APPROVED

客户

CUSTOMER: 珠海惠威科技有限公司 Zhuhai Huiwei Technology Co., Ltd.

产品名称

PRODUCTS: PCB天线 PCB Antenna

客户料号

PART NO: 04.08.12.002.055

产品型号

Spec.: FM-S1499-TX-BT-260mm

日期

Data: 2022.7.15

供应商 SUPPLIER		
拟制 PREPARED BY	审核 CHECKED BY	批准 APPROVED BY
杨轩 yangxun	夏兴喜 xiaxinxi	马冬冬 madongdong

客户 CUSTOMER		
承认 ACCEPTED BY	审核 CHECKED BY	批准 APPROVED BY

备注：承认盖章后请回复一份承认书（或复印件）给我司，其余由贵公司存档

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

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Revision history

versions	date	state
A1	2022-7-15	first edition

Change Details:

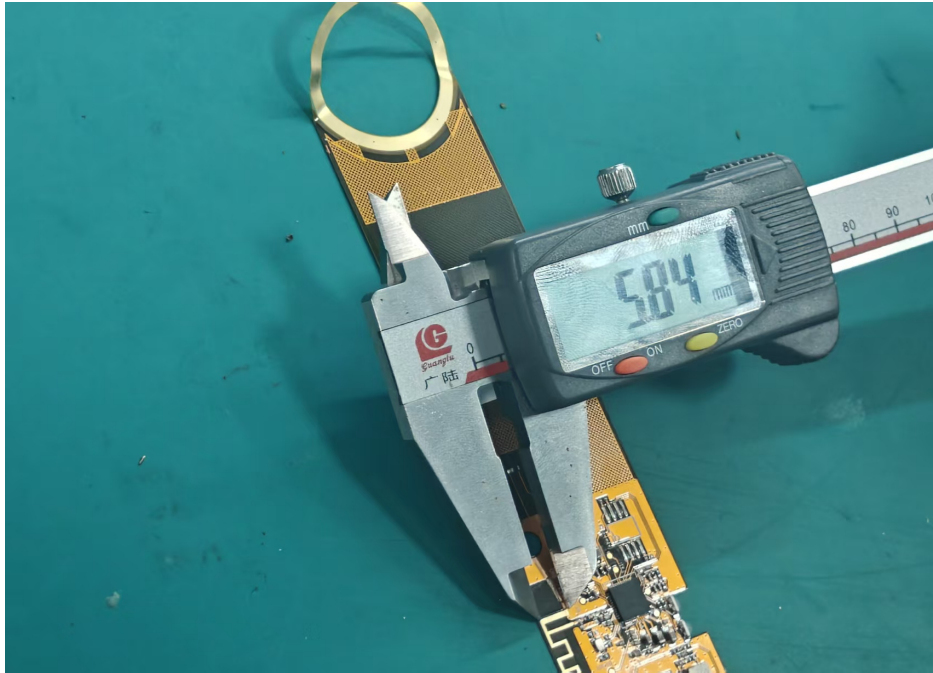
First Change:

Before Change: (If necessary, please add relevant pictures and describe the change details clearly here.)

After Change: (If necessary, please add relevant pictures and describe the change details clearly here.)

1. 项目信息 Project Information

1.1. 外观尺寸 Appearance and Dimensions

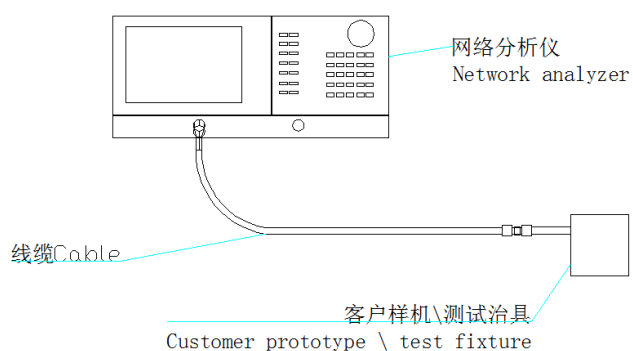


2. 电气性能 Electrical Characteristics

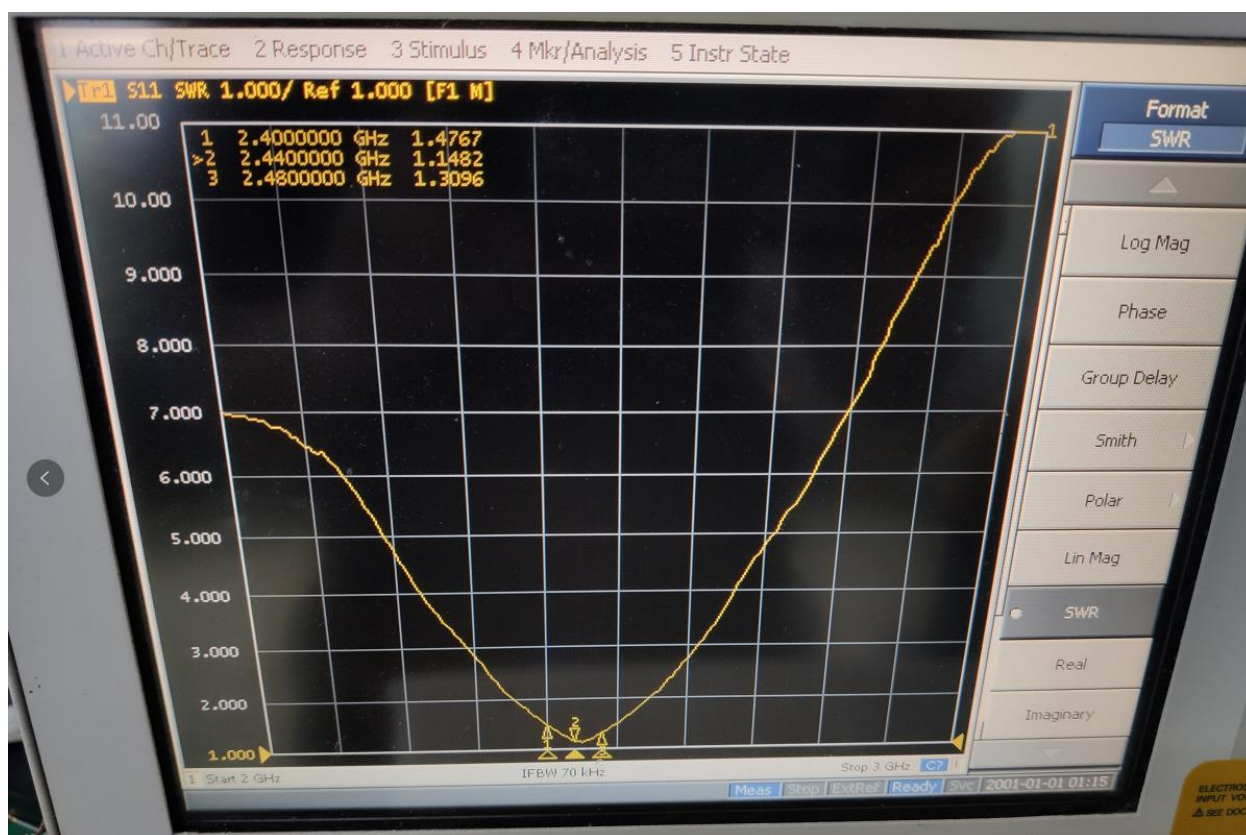
2.1.测试环境条件 Test Environment Conditions

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

2.2.测示方法 Measurement method

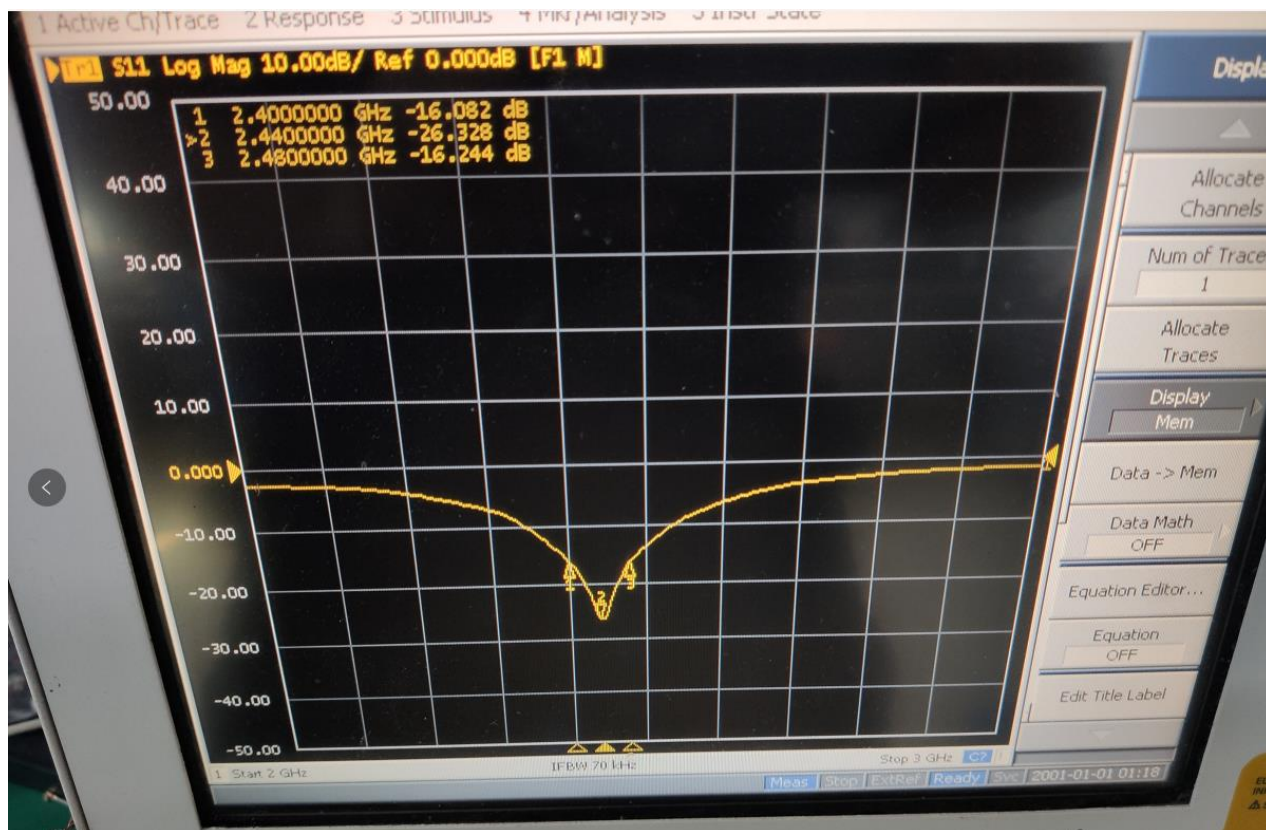


2.2.1. 天线电压驻波比 Antenna VSWR



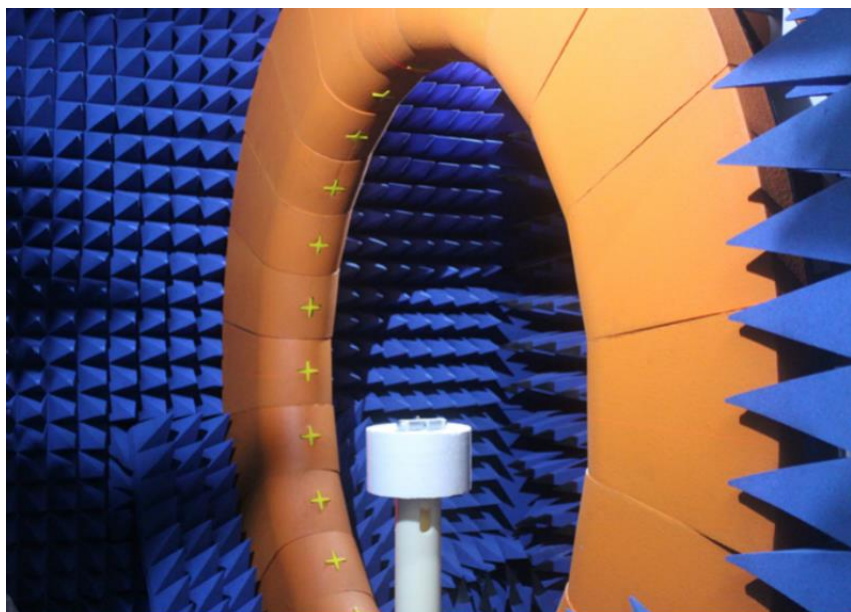
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2.2.2. 天线回波损耗 Antenna Return loss



2.3. 天线无源测试数据 Antenna passive test data

2.3.1. 测试系统 Test system



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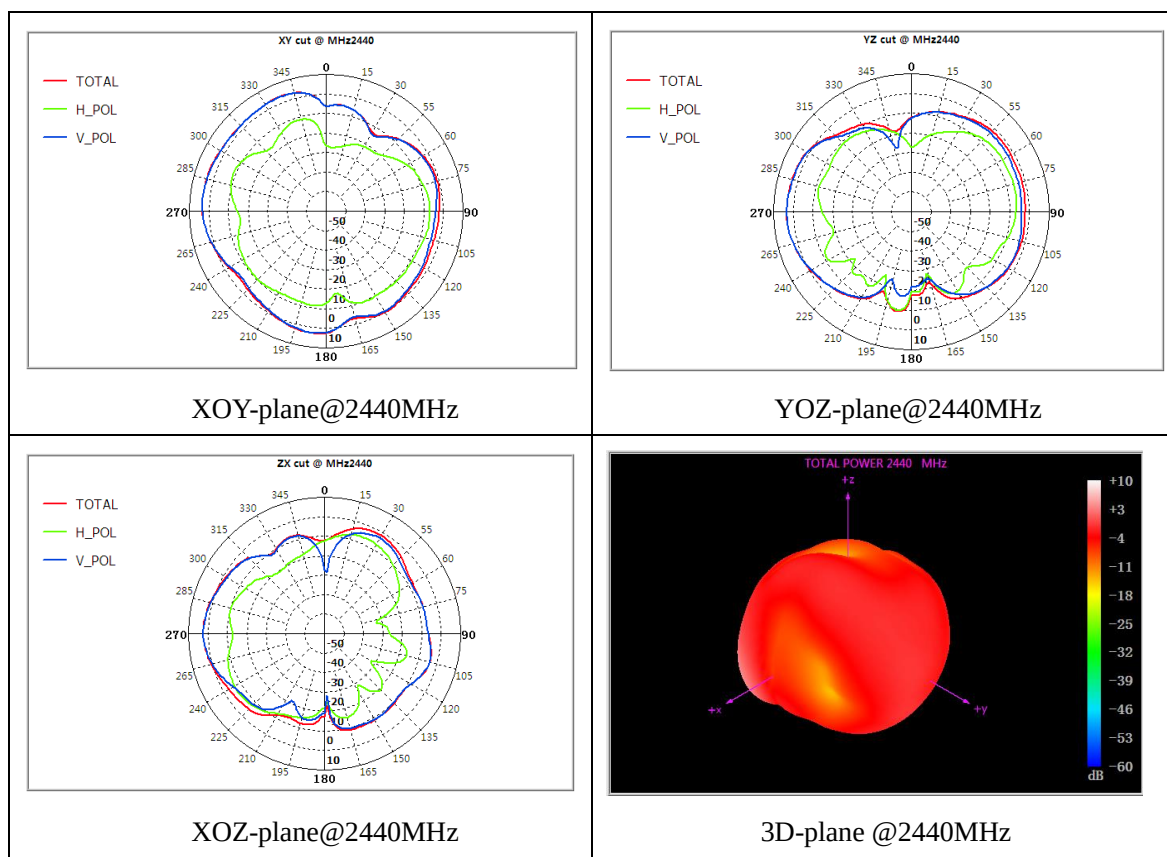


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2.3.2 天线效率及增益 Antenna efficiency and gain

Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400 MHz	2.35	52.63
2410 MHz	2.57	55.15
2420 MHz	2.91	56.34
2430 MHz	3.05	58.5
2440 MHz	3.08	60.37
2450 MHz	3.25	62.67
2460 MHz	3.02	61.52
2470 MHz	2.96	59.23
2480 MHz	2.85	57.55
2490 MHz	2.73	56.29
2500 MHz	2.68	55.09

2.3.2. 天线辐射方向图 Antenna Radiation Pattern



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3. remarks Notes

- 1、 During installation, keep the antenna away from metal parts to avoid performance degradation.
- 2、 This antenna is exclusively compatible with this model. The antenna's position cannot be altered arbitrarily. Any use on other devices that results in performance degradation is not our responsibility.
- 3、 The data referenced in this certification (e.g., antenna efficiency, gain, etc.) are all obtained through laboratory testing conducted by Shenzhen Feimin Technology Co., Ltd. for this certification project/antenna.

4.Product packaging specification

Product Name: 2.4G Antenna

Antenna configuration: shielded cable + copper tube

1. Label Requirements

The inner label is approximately 7 cm long and 4 cm wide. The outer label is 7 cm long and about 5 cm wide.

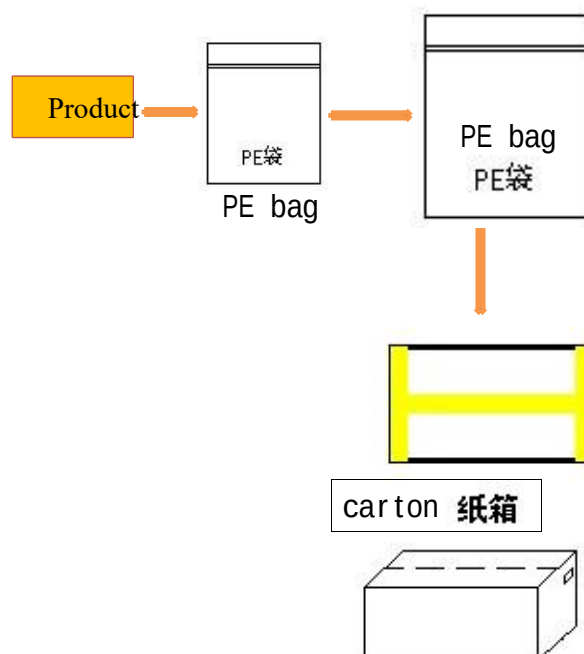
Supplier	Shenzhen Feimin Technology Co., Ltd.
Product name	*****
Material code	*****
Specifications and models	*****
Quantity	***PCS

Customer name			
Supplier	Shenzhen Feimin Technology Co., Ltd.		
Order number	*****		
Material code	*****		
Specifications and models	*****	Product name	*****
Quantity	*****PCS	Checkout	
Spares	***PCS	Remarks	

II. Packing Process

Job description :

1. The product PCS is packaged in PE bags with inner labels attached to each small bag; the small bags are then placed into a larger PE sealed tape bag, excluding tail numbers and spare parts.
2. Pack each box with large bags of products, then seal the boxes with adhesive tape in a 'gong' (工) shape.
3. Attach the external label to the upper right corner of the box, ensuring no omissions or errors.



III. Precautions

When packing, ensure the antenna is placed flat and securely sealed to prevent significant shaking. For partially filled boxes, insert foam padding to avoid product damage during transportation.