



ShenZhen City FeiMin Technology CO., LTD.

SPECIFICATION FOR APPROVED

CUSTOMER: _____ City hang _____

PRODUCTS: _____ Built-in 2.4G antenna _____

PART NO: _____

Spec. : _____ FM-S1637-FX8 _____

Data: _____

CUSTOMER APPROVED BY		
CONFIRM	CHECK	APPROVE
APPROVED BY VENDOR		
ENGINEER	OPERATION STOCK DEPT.	DATE

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

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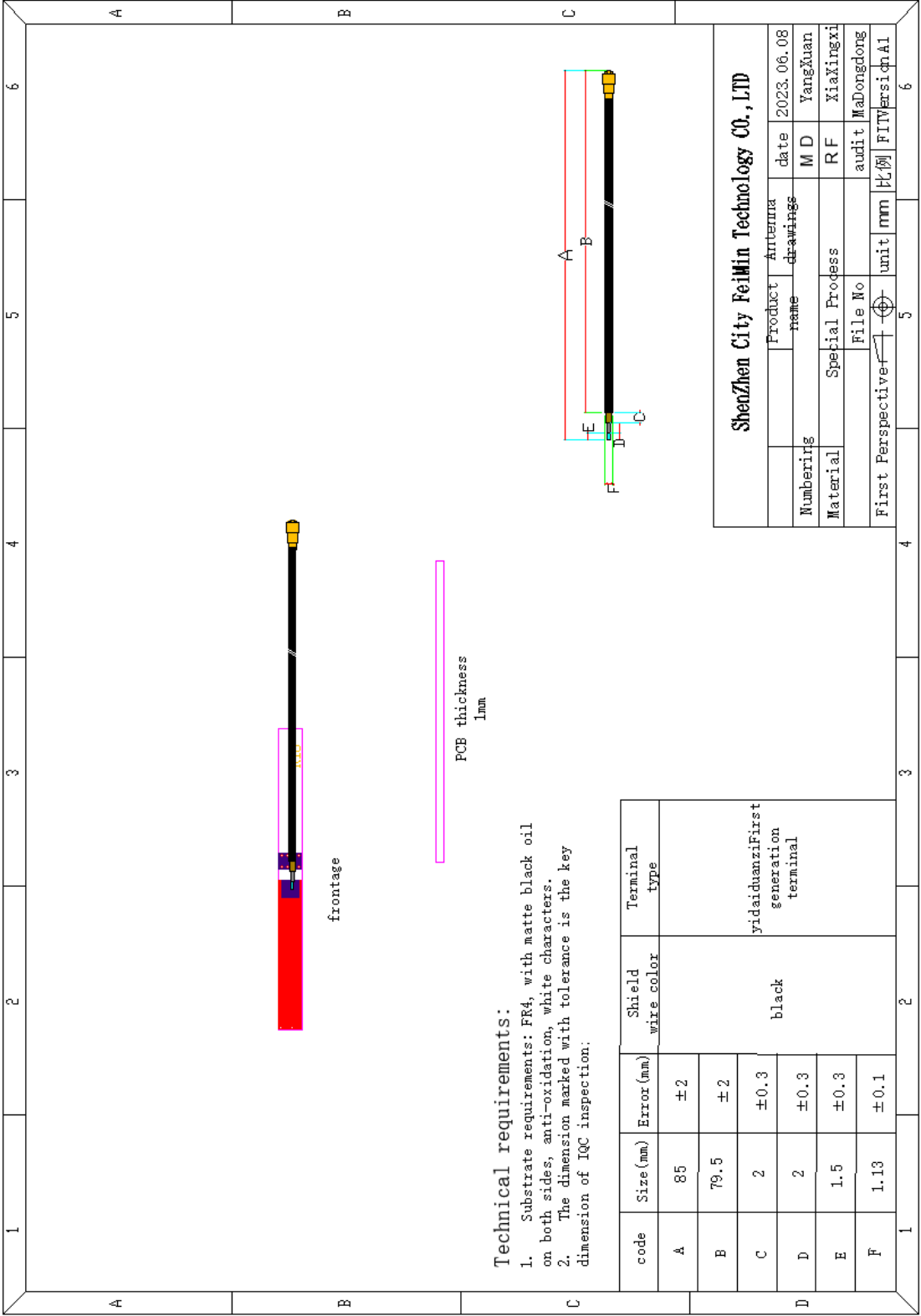
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Revision history

version	date	condition
A1	2019-11-11	First edition

1. Project Information

1.1. Appearance and Dimensions



2. Electrical Characteristics

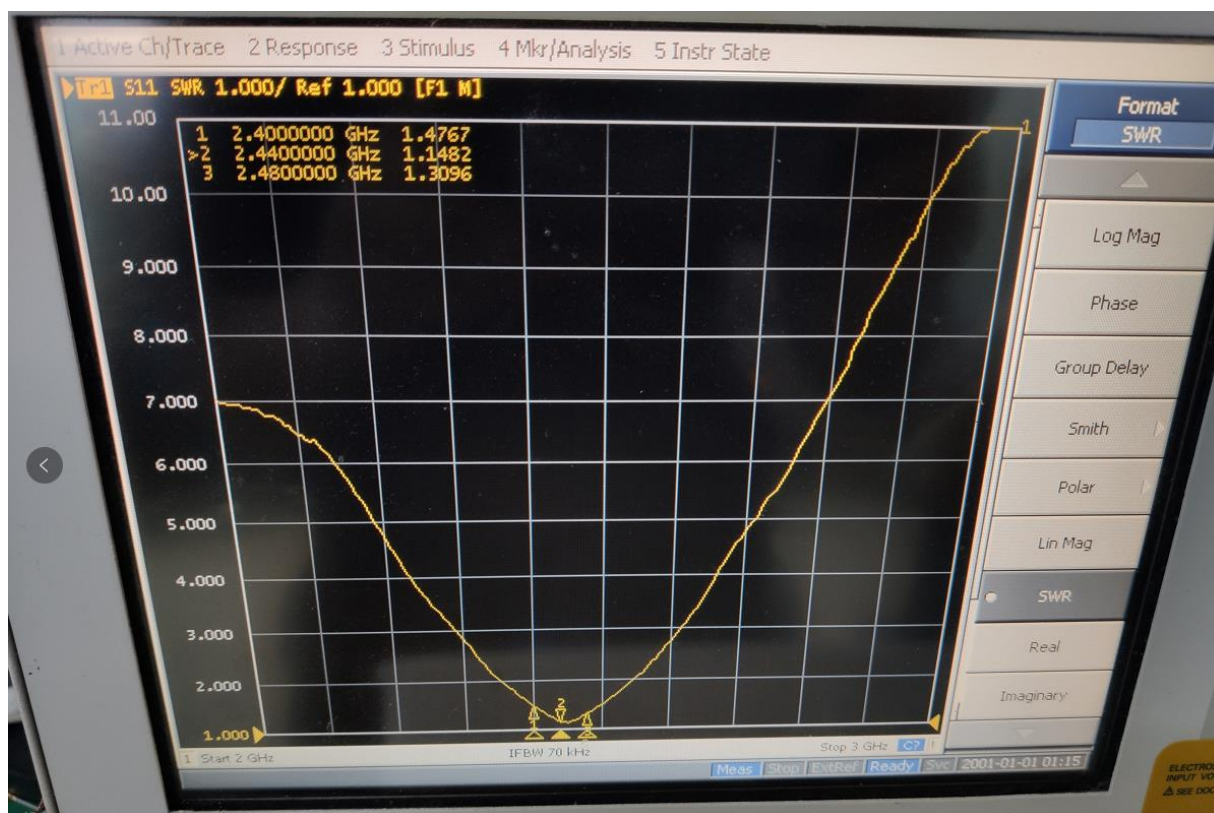
2.1. Test Environment Conditions

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

2.2. Measurement method

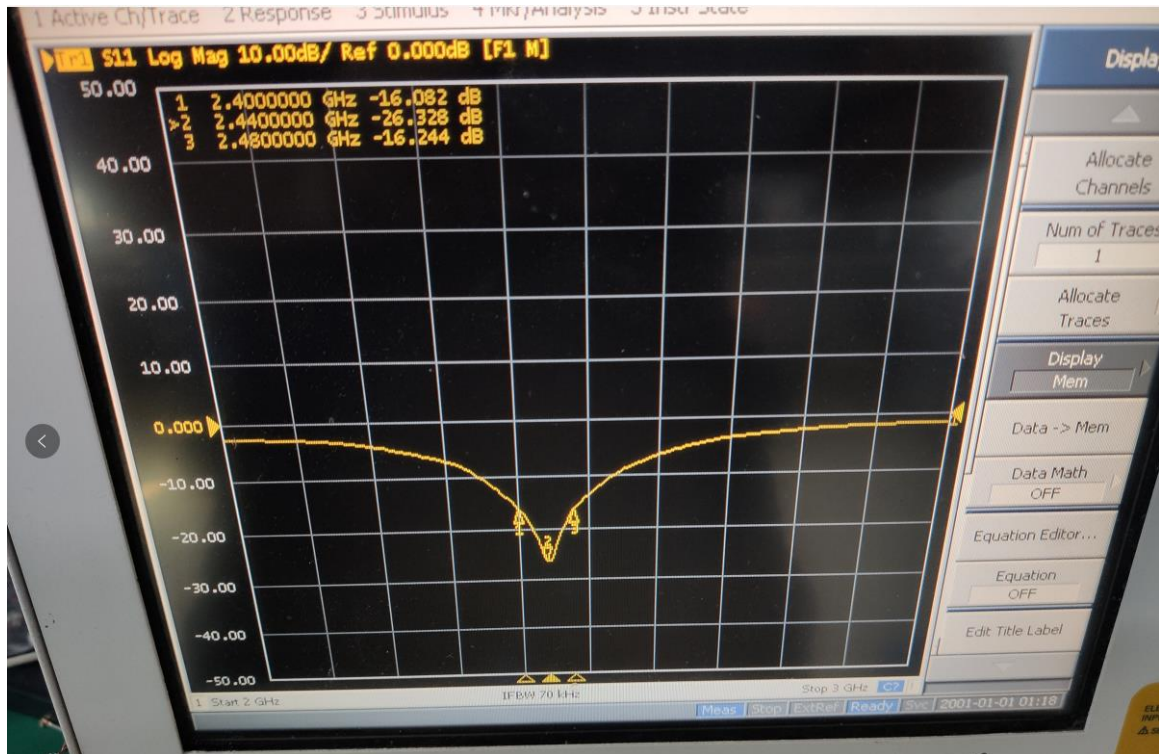


2.2.1. VSWR



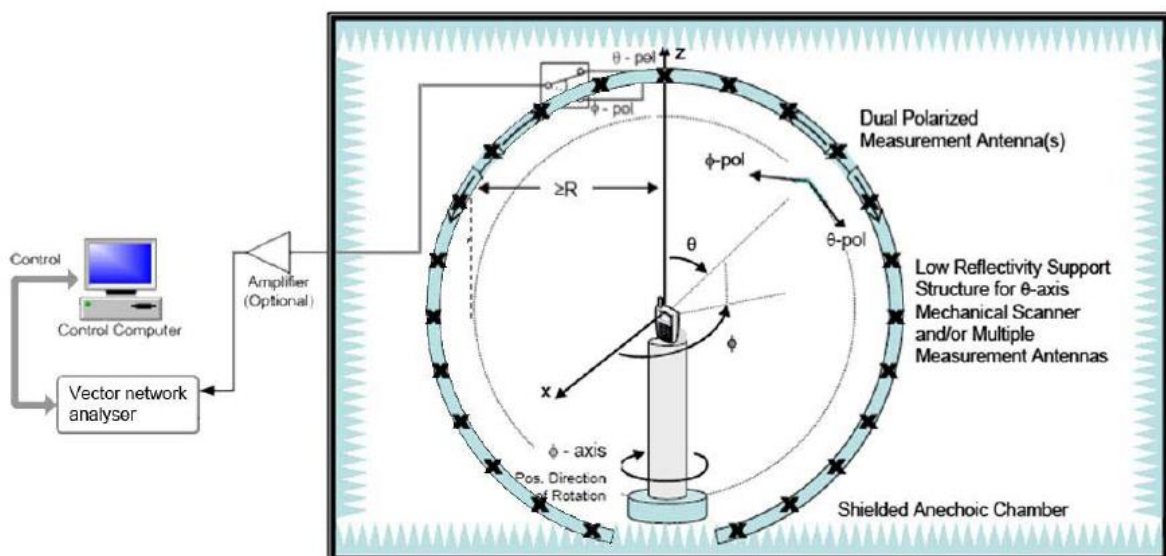
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2.2.2. Log Mag



2.3. Efficiency and Gain

2.3.1. Test system

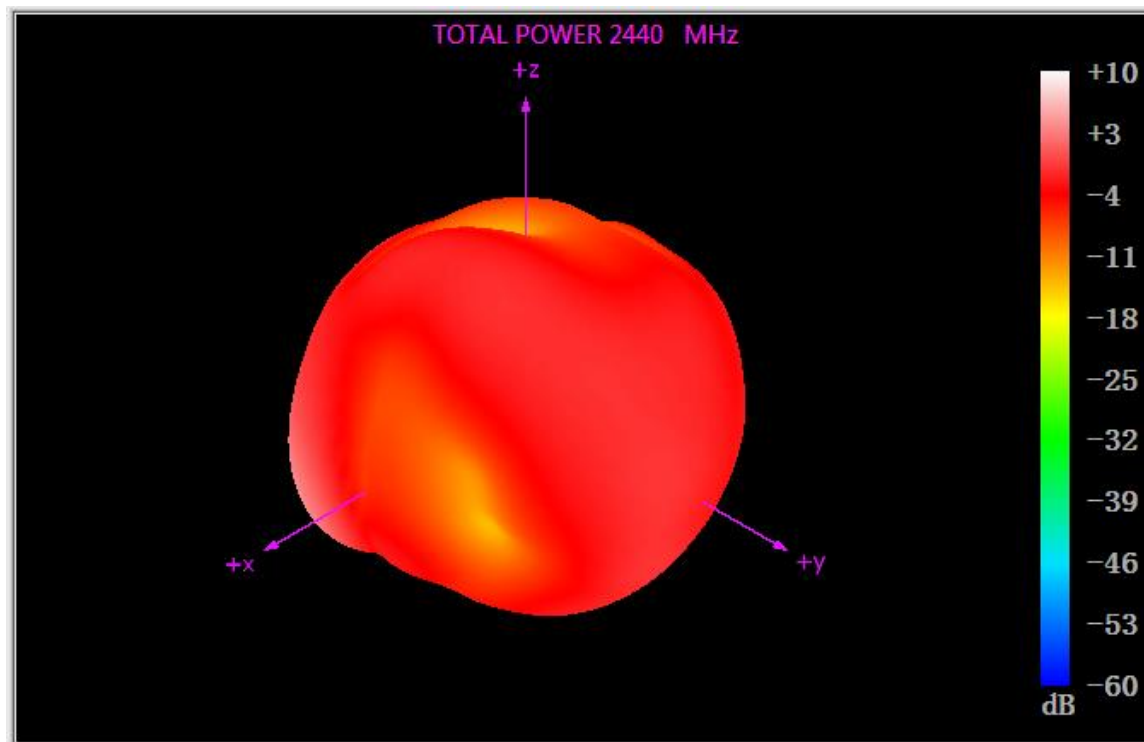


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2.3.2. No-source test data

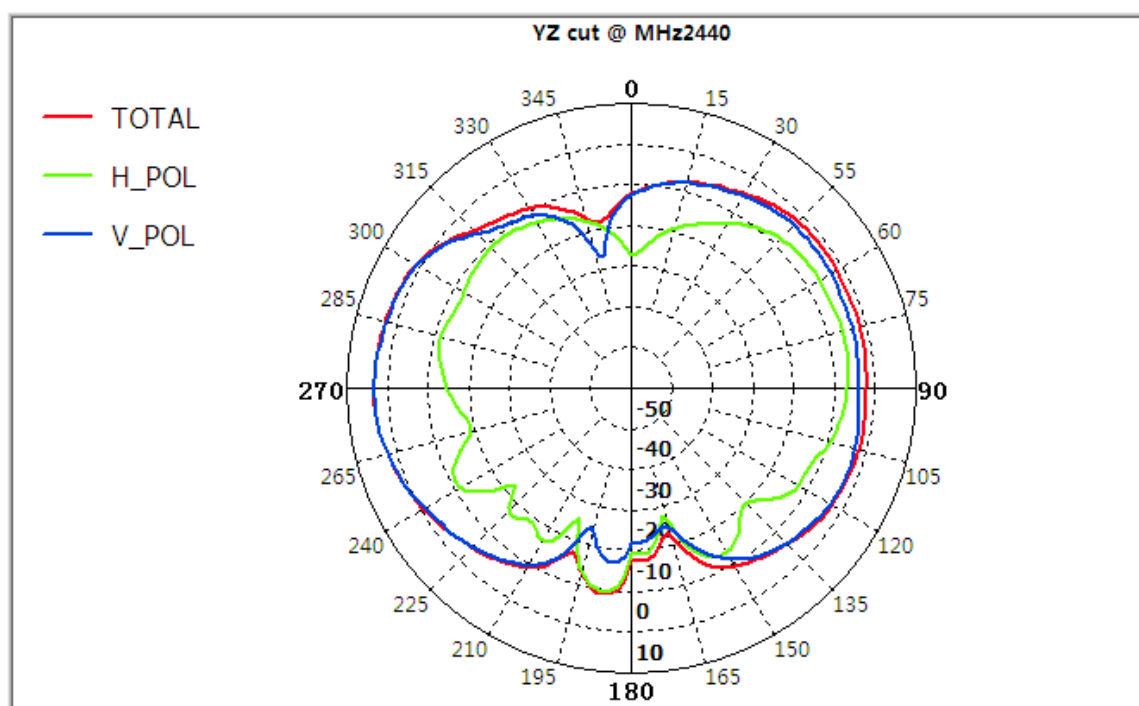
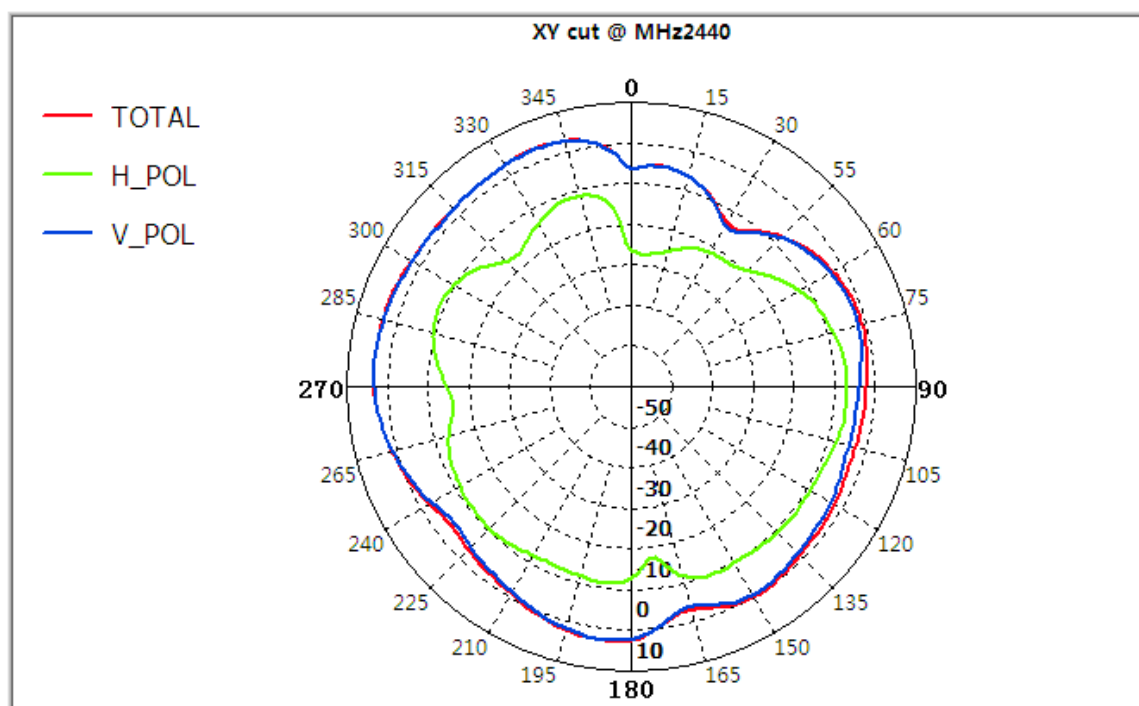
Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400 MHz	3.98	54.63
2410 MHz	4.26	57.15
2420 MHz	4.27	56.86
2430 MHz	4.19	55.5
2440 MHz	4.07	54.17
2450 MHz	3.89	53.67
2460 MHz	3.55	52.52
2470 MHz	3.29	52.04
2480 MHz	3.17	52.36
2490 MHz	3.26	52.09
2500 MHz	3.39	53.19

2.3.3. 3D Radiation Drawing

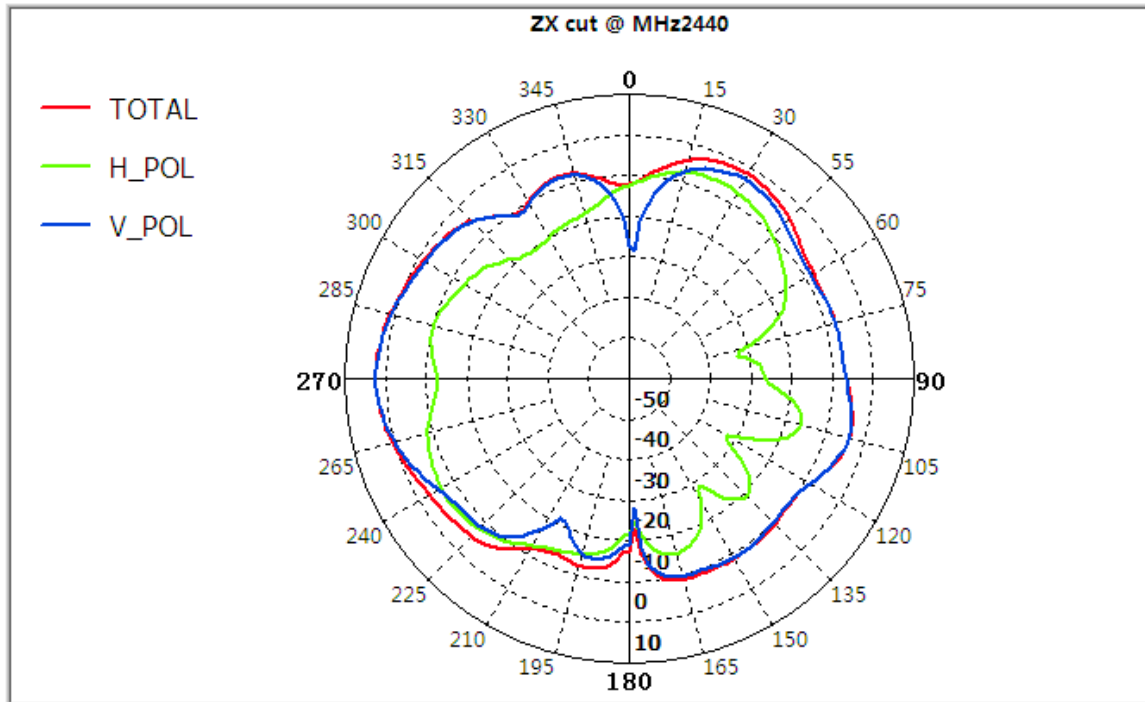


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2.3.4. directional drawing of horizontal plane



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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.

4. Reliability test

project	Test methods and conditions	Specifications and requirements
Storage environment	1、Test the temperature, humidity and air pressure without specifying as follows: 1. The temperature is $-30^{\circ}\text{C}\sim+80^{\circ}\text{C}$ 2. The relative humidity is 45%-85% 3, the air pressure is 86Kpa-106Kpa.	There is no obvious change in appearance All electrical parameters are consistent with those before the test.
Salt spray test	Saline concentration is 50 10g/L (about 5%); PH6.5-7.2; The test temperature is $35\pm1^{\circ}\text{C}$; The corrosion time is 16H.	
Vibration test	The vibration frequency is 10-2000-10HZ, and the amplitude is 1.52mm, 10 times in the X, Y and Z directions respectively.	
Drop test	Fell on the board from 1M.	
Drawing force test	Test its endurance with a push-pull tester: $\geq 4\text{N}$.	
Constant temperature and humidity test	Temperature and humidity: $40^{\circ}\text{C}\pm2^{\circ}\text{C}$, 90-95% RH Duration: 4H Recovery time: 1-2H.	
Low and high temperature test	Circulate between 70°C and -20°C for 5 times, and then under normal conditions for 1-2H.	

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5. Product packaging specification

Product name: Bluetooth antenna

antenna form: shielded wire +PCB

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	*****
	***PCS

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



ShenZhen Ci Min Technology Co., Ltd.

2、Packing process

Job description:

- 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.
- Each box contains __ large bags of products, and the boxes are sealed with adhesive tape in the shape of "I".

product



- 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.

SUPPLIER		
PREPARED BY	CHECKED BY	APPROVED BY
FanMa	XingxiXia	DongdongMa

CUSTOMER	
ACCEPTED BY	CHECKED BY



Shenzhen Feimin Technology Co.,Ltd

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