



ShenZhen City FeiMin Technology CO., LTD.

SPECIFICATION FOR APPROVED

CUSTOMER: Shenzhen zhanzhichuang technology co., ltd

PRODUCTS: U-segment transmitting antenna

PART NO:

Spec. : FM-S2271-580-599MHz

Date: 2023. 06. 27

SUPPLIER		
PREPARED BY	CHECKED BY	APPROVED BY
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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.

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ANTENNA SPECIFICATION

Revision history

version	date	condition
A1	2021-05-18	First edition

Changes:

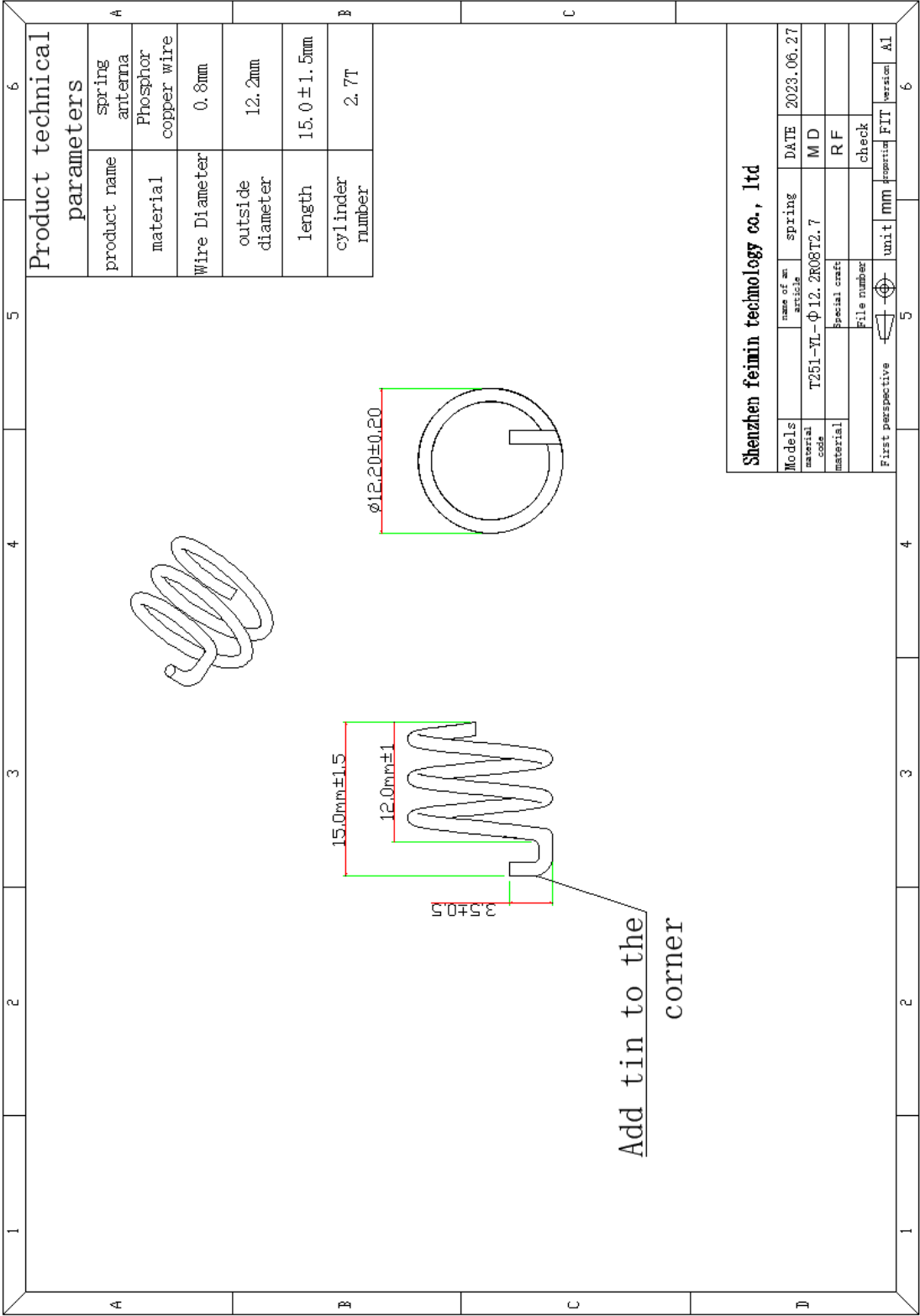
First change:

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)

1. Project Information

1.1.Appearance and Dimensions

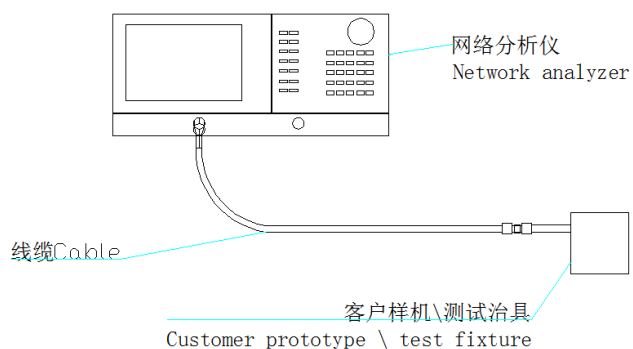


2. Electrical Characteristics

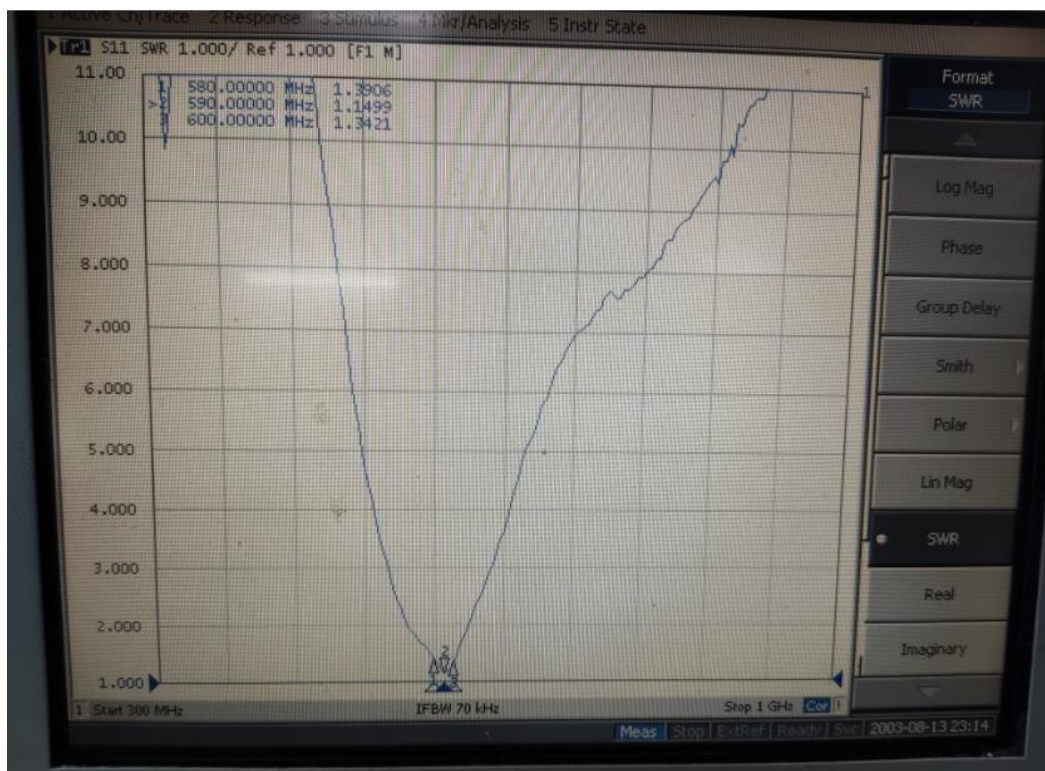
2.1. Test Environment Conditions

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

2.2. Measurement method

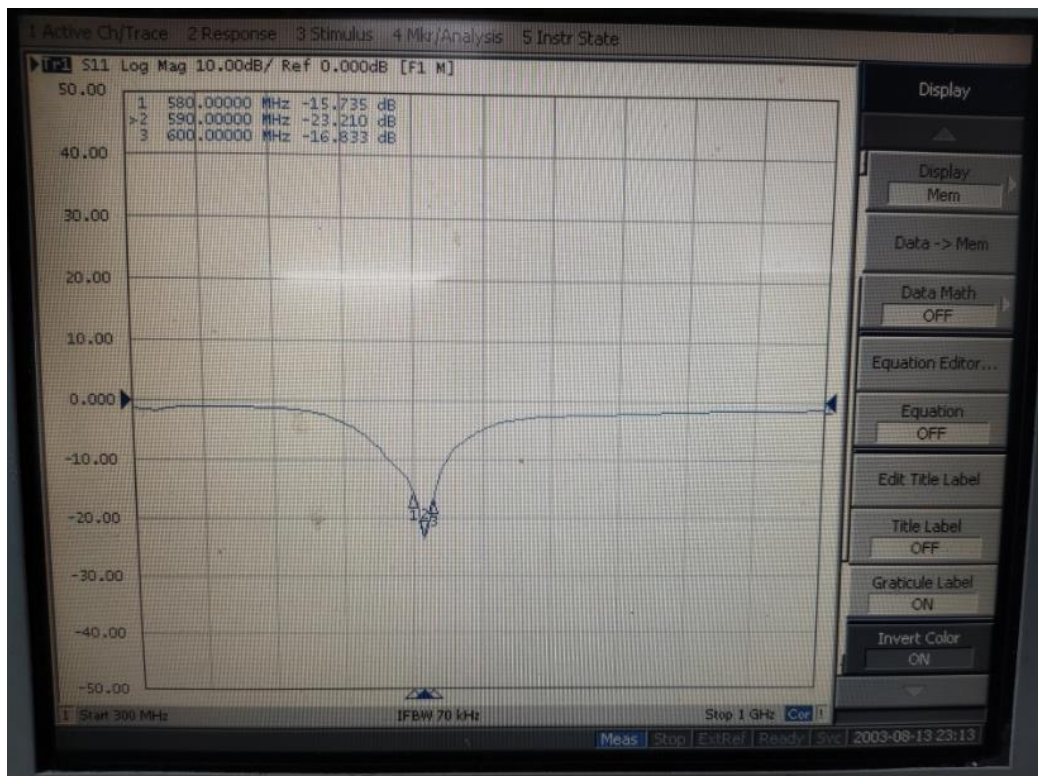


2.2.1. Antenna VSWR

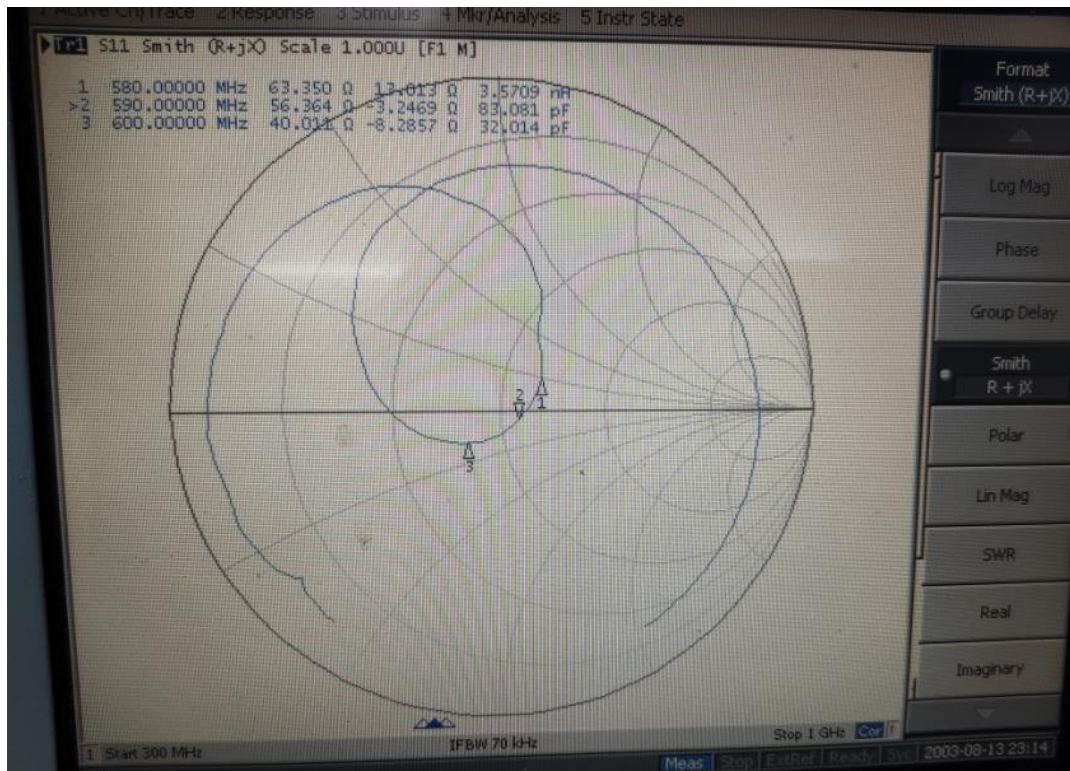


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2.2.2. Antenna Return loss



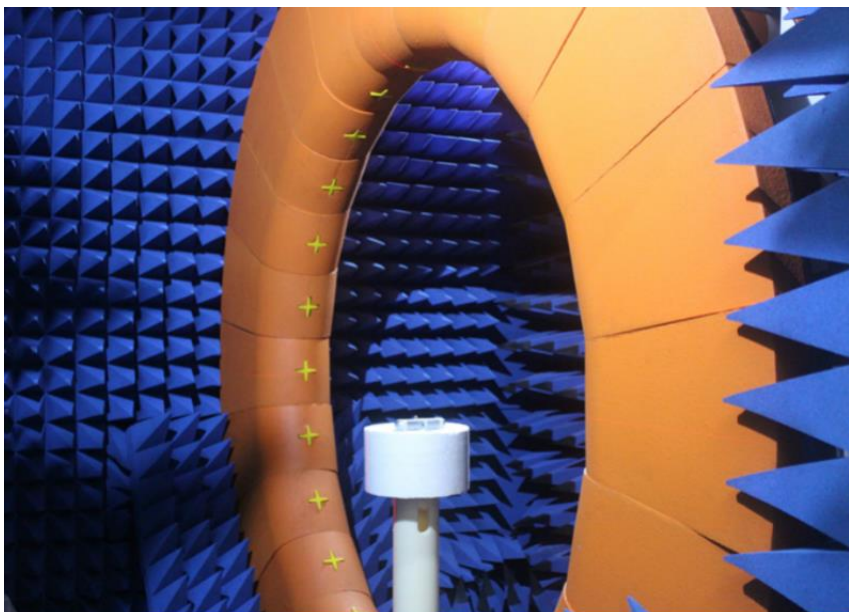
2.2.3. smith chart



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2.3. Antenna passive test data

2.3.1. Test system



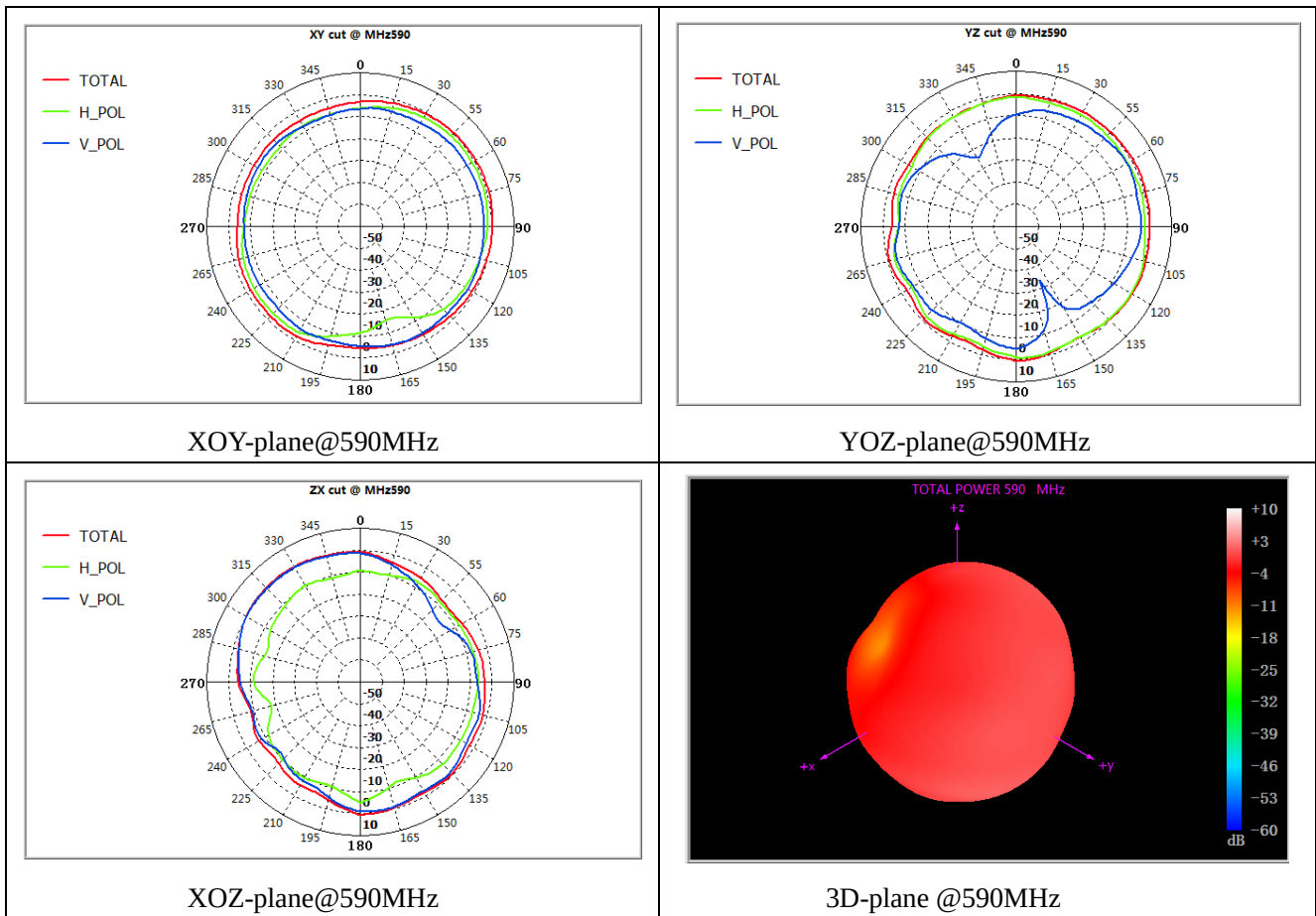
Shenzhen Feimin Technology Co., Ltd. (24-probe OTA microwave darkroom)

2.3.2. Antenna efficiency and gain

Frequency (MHz)	Gain (dBi)	Efficiency (%)
580 MHz	-0.2	35.21
582 MHz	-0.37	33.07
584 MHz	0.74	30.68
586 MHz	0.83	29.36
588 MHz	0.72	27.79
590 MHz	0.58	35.46
592 MHz	0.67	34.6
594 MHz	-0.3	33.37
596 MHz	-0.19	33.05
598 MHz	-0.37	33.39
600 MHz	-0.41	29.68

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2.3.2. Antenna Radiation Pattern



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.

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4. Product packaging specification

Product name: U-end transmitting antenna

antenna form: spring

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 transport

