

# **SPECIFICATION**

for

**Customer No.**

**Product No.**

**YX-JY-RF915-socket-V1.0**

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Release Date: 2025.03.12

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## 1. Bilateral Confirmation page

### 1.1 Customer signature

**Customer:** Woan Technology (Shenzhen) Co., Ltd

Seapartment/post	Sign	Date
Hardware Engineer/RD		
Mechanical/MD		
Project Manager/PM		
Commercial/Puchasing		
Checker		

### 1.2 Signature of ShuoDian Technology company

Seapartment/post	Sign	Date
Antenna Engineer/RD		
Mechanical/MD		
Project Manager/PM		
QA		
Checker		

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## 2. General

### 2.1 Scope of application

GY-RX-915 antenna


### 2.2 Operating temperature range

Temperature range of this product: -20 ~ +65 °C

### 2.3 Storage temperature range:

This product is stored at - 30 ~ + 75 °C

## 3. General product specifications

NO.	ITEMS	DETAILS
1	Type	924MHZ rubber rod antenna
2	Operating Frequency Band	<b>900-930MHz</b>
3	VSWR	$\leq 2.5$
4	Impedance	50Ω
5	Antenna Type	monopole (antenna)
6	Entity Picture	

## 4. Specification Details

### 4.1 Mechanical Properties

#### 4.11 Product Composition:

serial number	material	specifications (MM)
1	spring	Φ 31.80*11.90MM

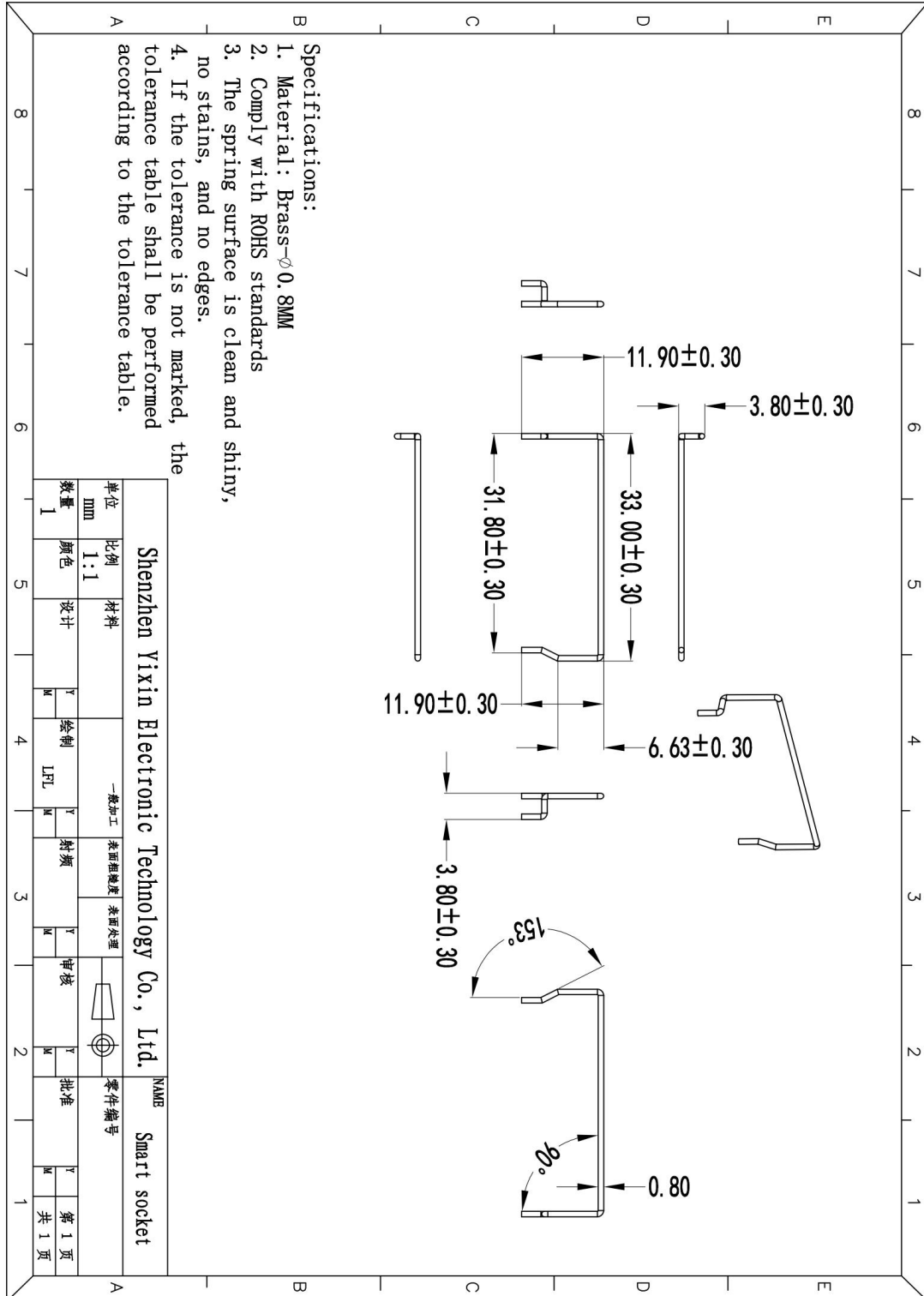
#### 4.12 Apperance

Good appearance without scars 、 dirt、 protuberances, etc.

#### 4.13 Antenna Picture and Structure Dimension

Refer to product drawings:

Product drawings:



## 4.2 Electric Performance

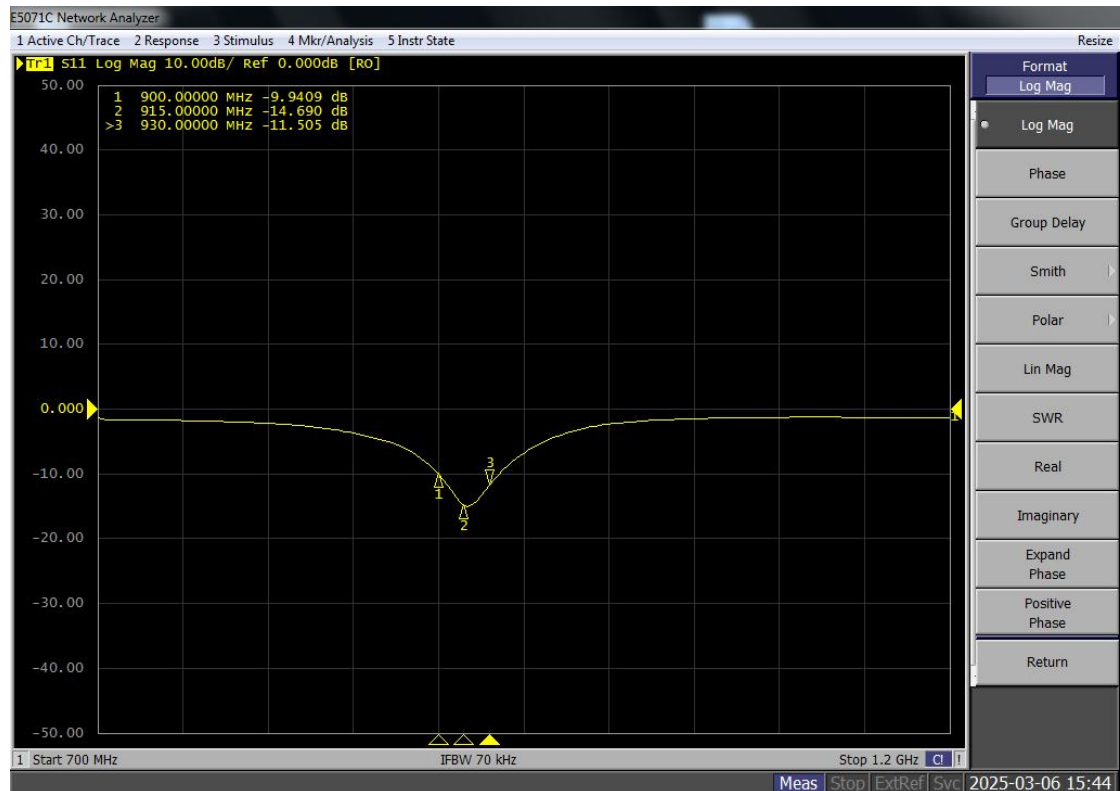
### 4.2.1 Test condition

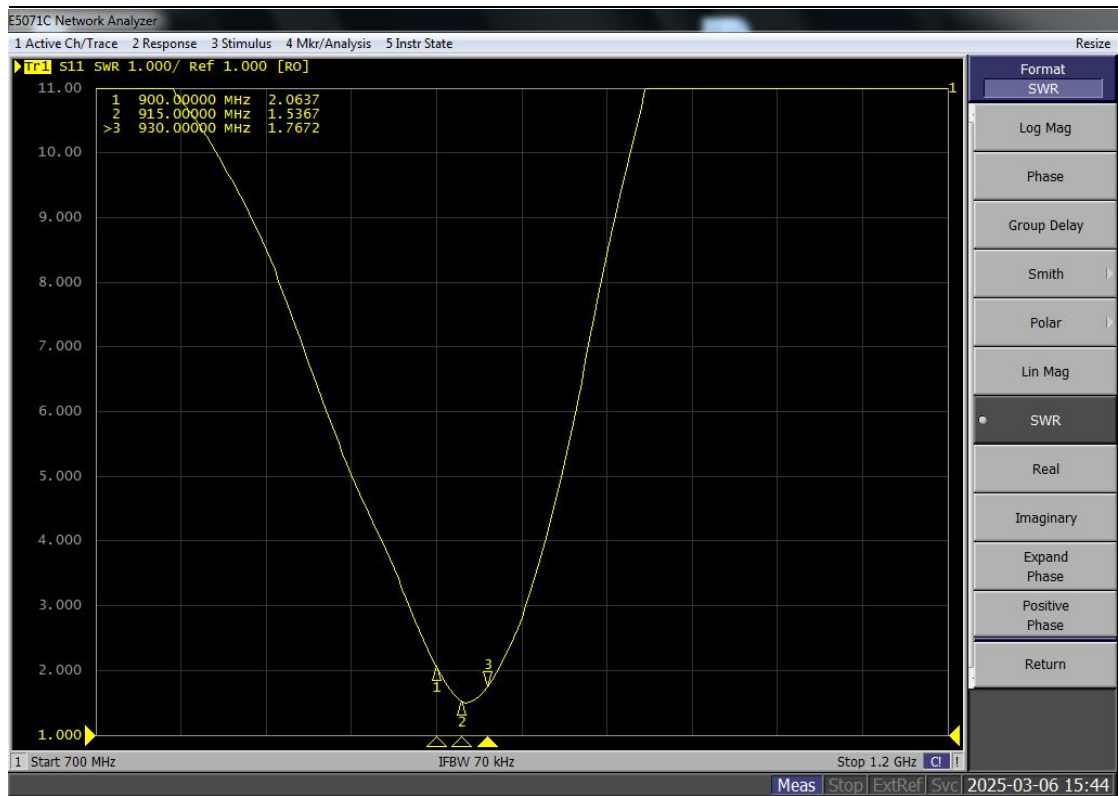
Environment:		Equipment:	
Temperature:	10℃——+30℃	Network Analyzer:	Agilent E8358A
Humidity:	≤80% (+40℃)	Anechior Chamber:	ETS
Atmospher:	750mmkg±30mmkg		

### 4.2.2 Test Data for Electrical Performance:

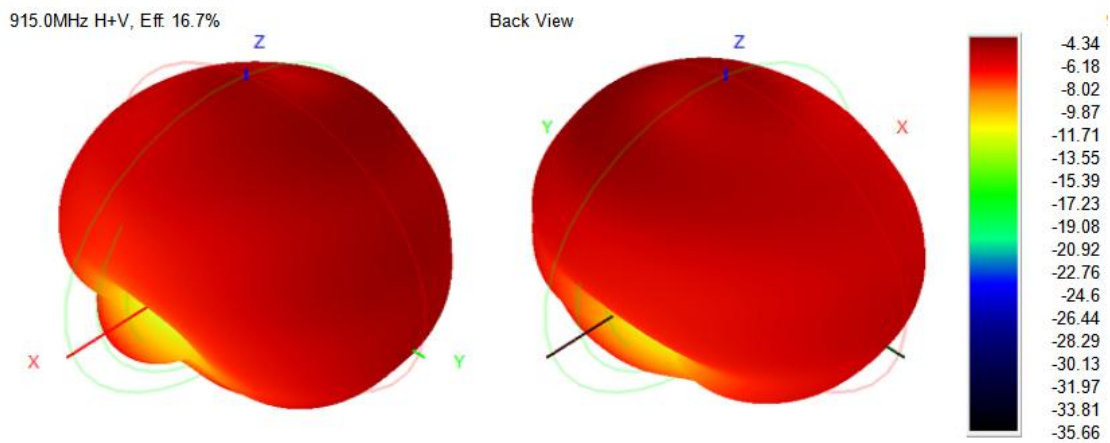
#### 4.2.2.1 S11 of the Antenna:

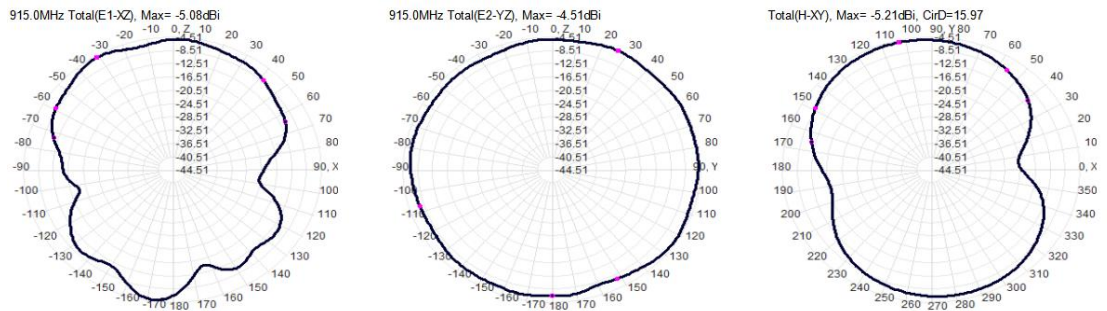
frequency (MHz)	Gain (dBi)	Efficiency (%)
900	-4.47	15.14
915	-4.34	16.73
930	-4.93	14.15





### 4.22.3 Radiation pattern of antenna, frequency: 915MHz





## 5. Product Packaging

Manner of packing:

Packed in self sealed bags, 50 pcs each.

## 6. Document Resume

Document No.	
Release Date	2025/03/12
Author	XiofengZeng
Review	WH

### Revised History

Date	Version	Revised Record
2025/03/12	1.00	New Project