

Specifications Manual

for

915MHz Springs antenna

Customer Part Number

Our company's part number

TY-915MHz-Spring antenna

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1. Both parties confirmed

1.1 Customer confirmation signature

Customer:

Customer department/position	Signature of confirmer	Confirm Date
Hardware/RF		
Structure		
Project manager		
Business/Purchasing		
Audit		

1.2 Shuodian Electronic confirms the signature

Department/position	Signature of confirmer	Confirm Date
Antenna Engineer		
Structural Engineer		
Project Manager		
QA		
Audit		

2. General matters

2.1 Scope of application

915MHz Antenna

2.2 Operating temperature range

The operating temperature range of this device is -20 ~ +65 °C

2.3 Storage temperature range

This device is stored at -30 ~ +75 °C

3. Product General Specifications

NO.	ITEMS	DETAILS
1	Model	Spring antenna
2	Frequency band	915MHz
3	VSWR	≤2.0
4	Gain	0dBi
5	Impedance	50Ω
6	Antenna Type	Unipolar
7	Antenna Implementation	Springs
8	Antenna Picture	

4. Product specification details

4.1 Product structure parameters

4.11 Product material composition:

Serial number	Material	Specification(MM)
1	Spring-Carbon Steel	26.8*22.15*0.8m (True Color)

4.11 Exterior

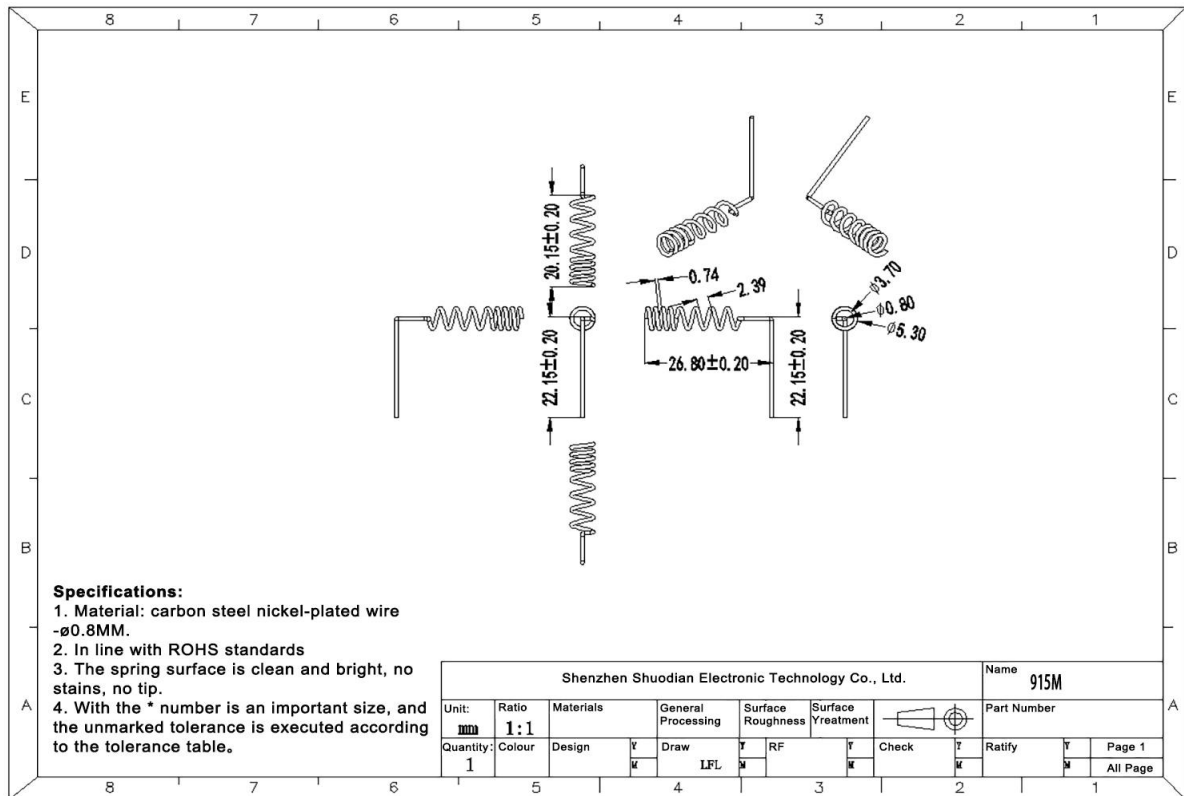
The product has a good appearance, without scratches, sweat marks, protrusions or other defects that seriously affect the appearance.

4.12 Structure size

Reference product drawings:

Product drawings:

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4. 2 Product electrical performance test data

4.21 Test environment and equipment

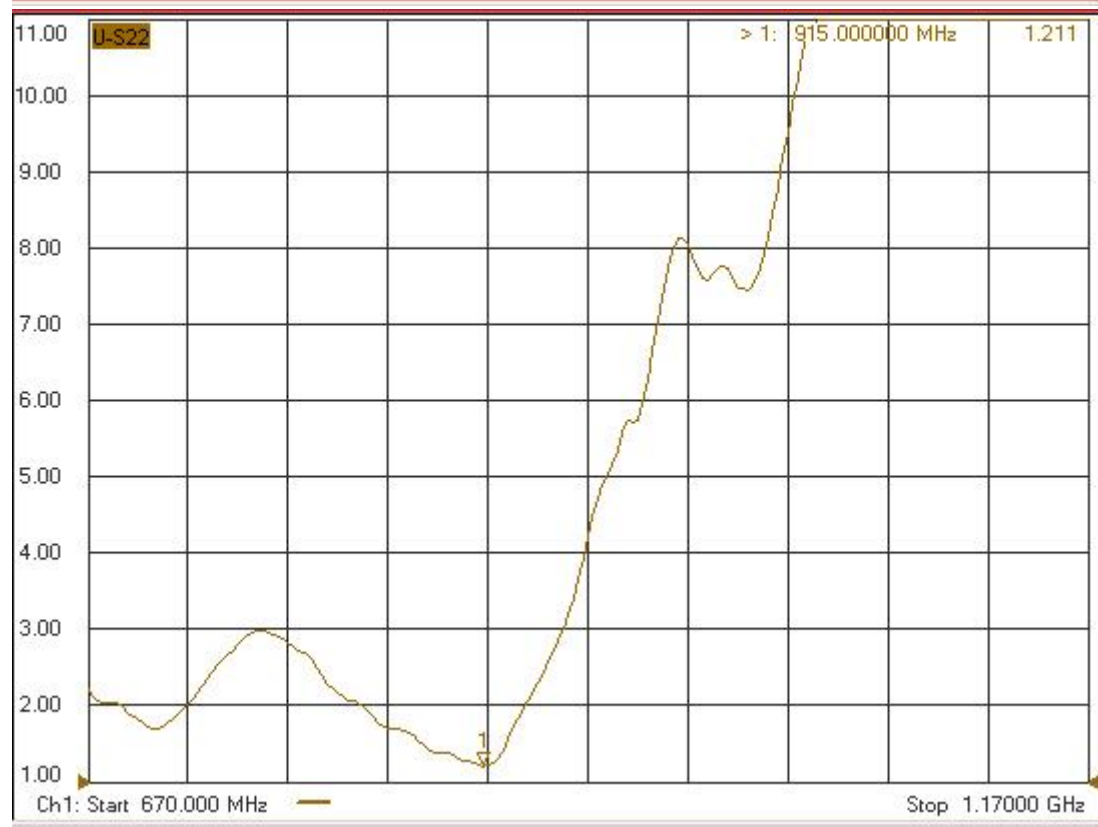
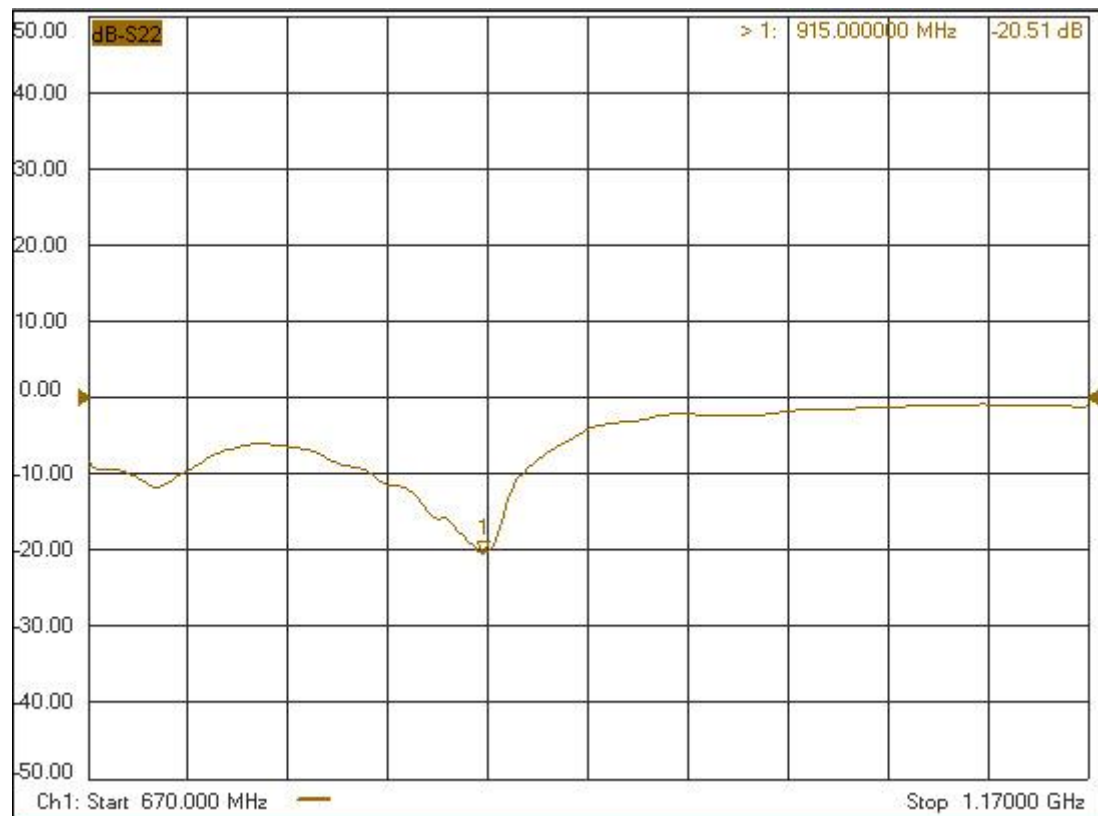
Test environment: Temperature: $10^{\circ}\text{C} \text{ --- } +30^{\circ}\text{C}$ Relative humidity: $\leq 80\% (+40^{\circ}\text{C})$ Barometric pressure: $750\text{mmkg} \pm 30\text{mmkg}$	Test Equipment: HP8753D Network Analyzer ETS Microwave darkroom
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4.22 Product electrical performance test data:

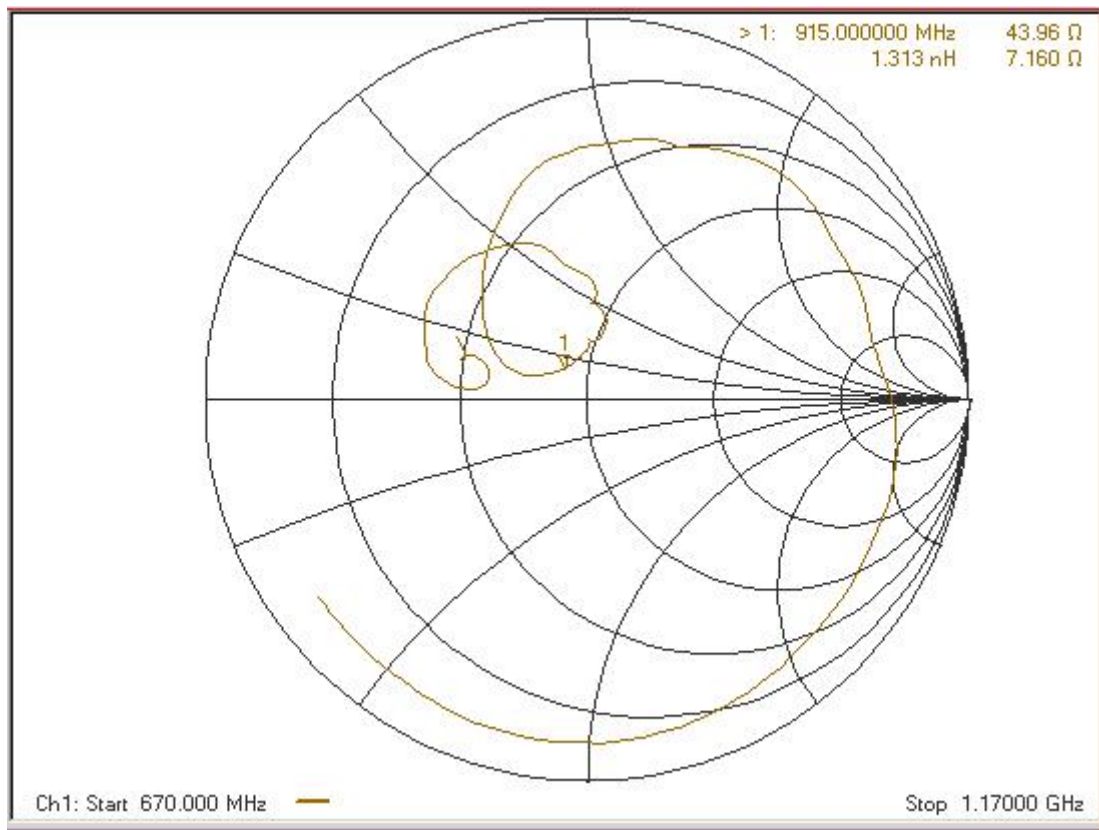
S11 picture of the product:

Marker	915MHz
Returnloss	-20.5
VSWR	1.2

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5. Product Packaging

Packing method: Ziplock bag packaging, 500 PCS per bag.

6. Document History

Document No.	
Release Date	2022/7/26
Author	Hungjie
Review	WH

Revised History

Date	Version	Revised Record
2022/7/26	1.00	New Project