

Shenzhen Hongxin Technology Co. Ltd.

Specification for Approval

Customer : Brianfay Technology (Shenzhen) Co. Ltd.

Model Name : 915MHz Custom Spring Antenna

Part No. : TX-915-BF1-V1.0

Specification : See Below

Date : 2021.05. 13

Customer Sign Back

Engineering	Quality	Approved

Shenzhen Hongxin Technology Co. Ltd.

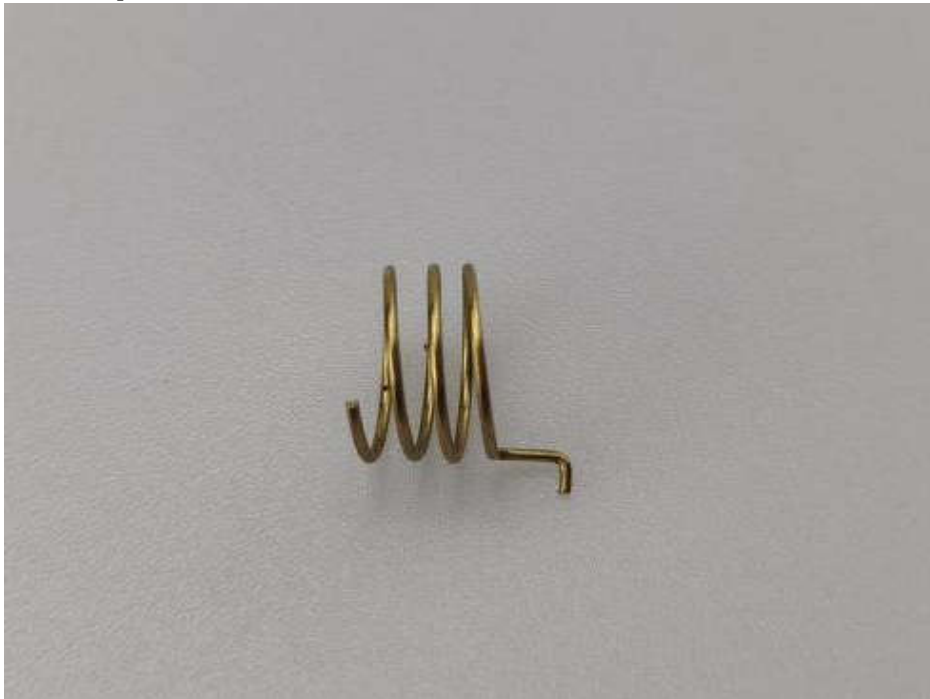
Engineering	Quality	Approved
Weifeng Zhuang	Huan Zhang	Lu Liu

915MHz Custom Spring Antenna TX-915-BF1-V1.0

1 : The Antenna Parameters

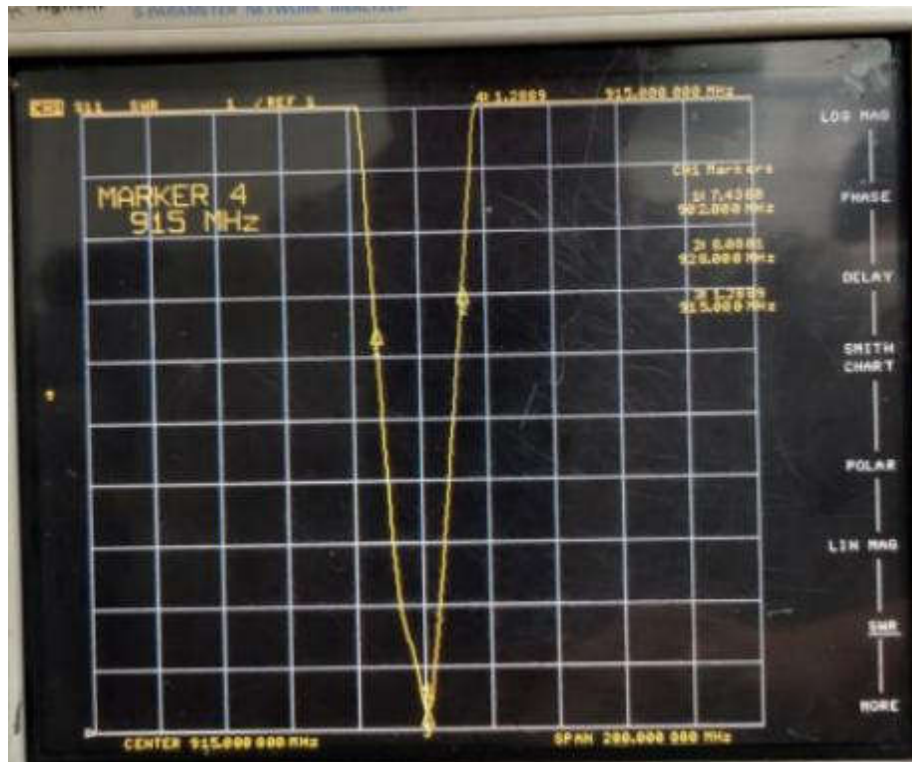
Item	Indicators
Frequency Range	902-928M
Antenna Length	/
Gain	3dBi
Impedence	50Ω
Standing Wave Ratio	≤ 1.3
Power Capacity	50W
The Antenna Polarization	Vertical
Interface	/

2 : Physical Picture of Antenna

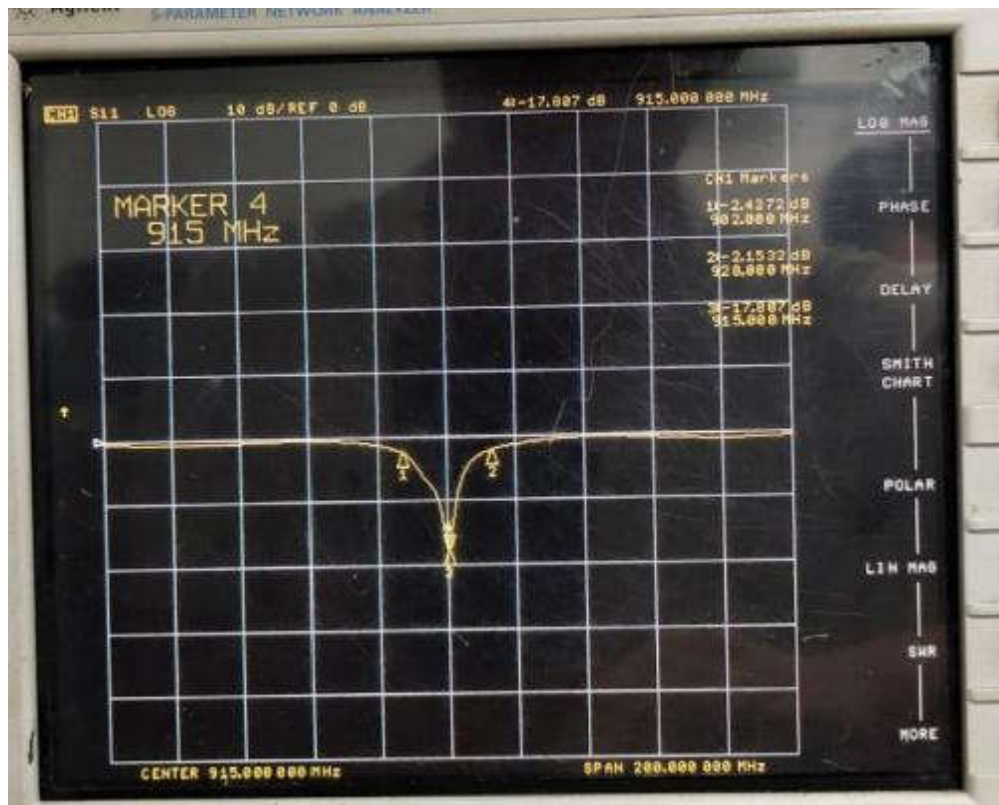


3 : Test Curve :

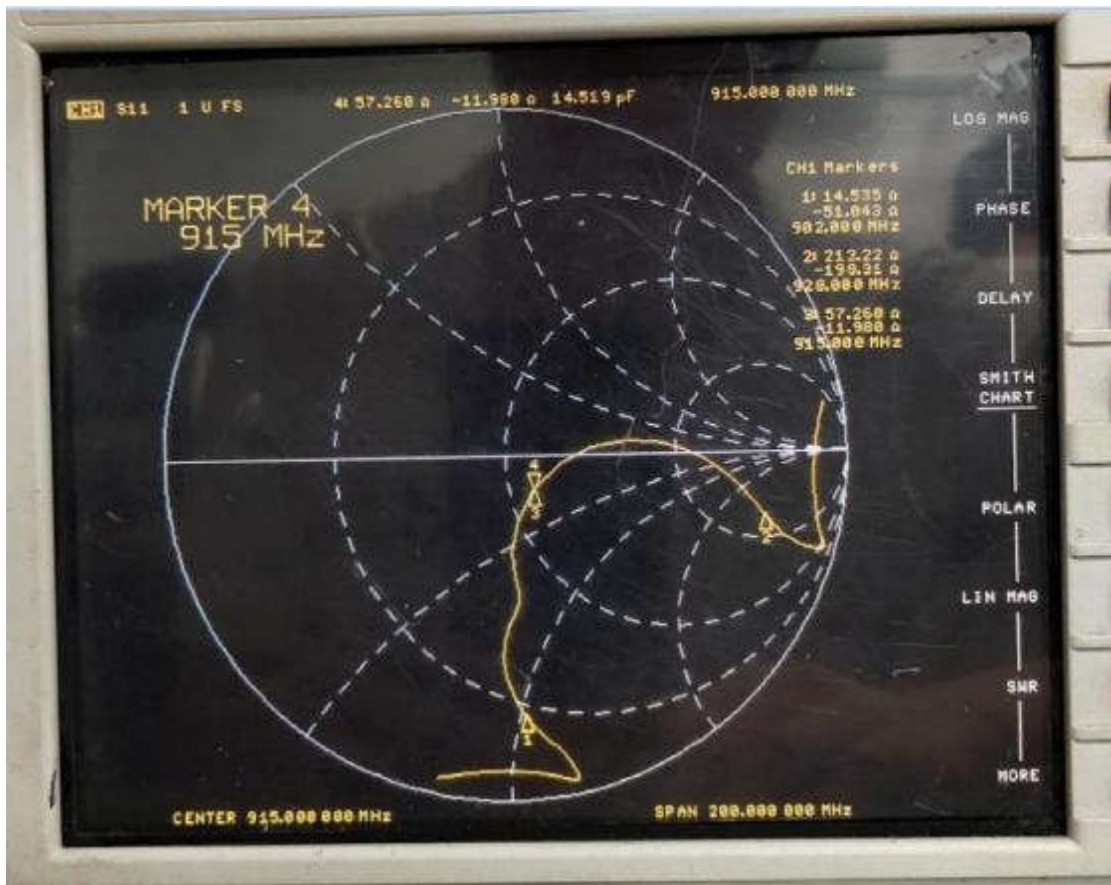
3.1 Voltage Standing Wave Ratio



3.2 Return Loss



3.3 Smith Chart



4 : Test Environment

4.1 Temperature : $25 \pm 15^{\circ}\text{C}$

4.2 Humidity : $65 \pm 20\% \text{RH}$,

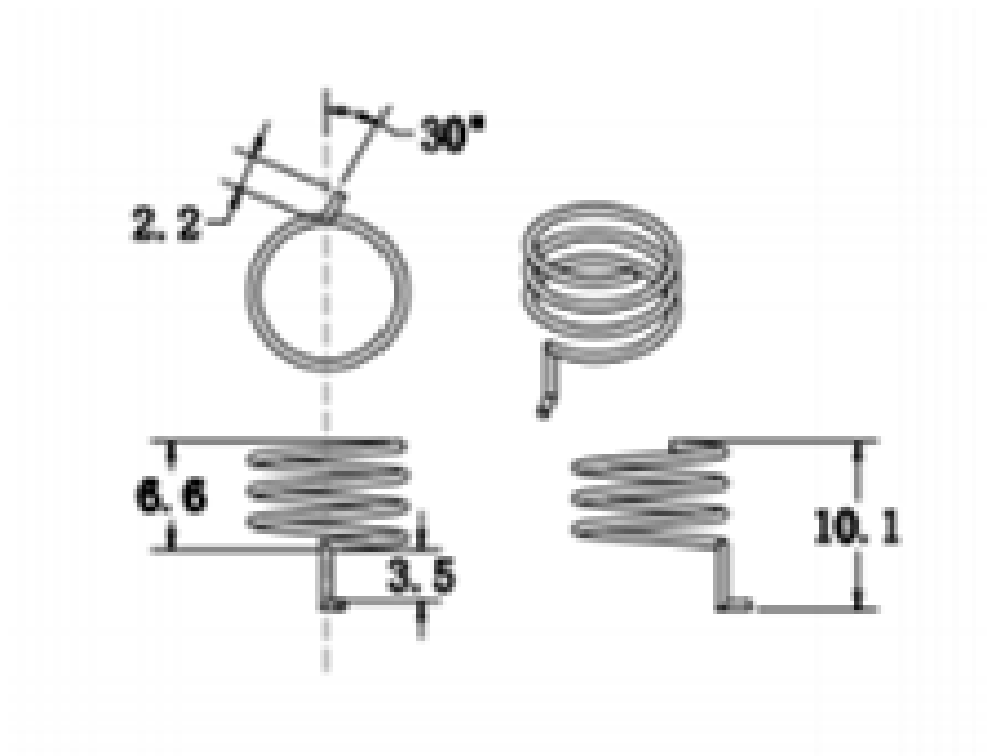
4.3 Barometric Pressure : $960 \pm 100 \text{HPA}$

5 : Storage Environment

5.1 Operating Temperature: -40 to $+60^{\circ}\text{C}$

5.2 Storage Temperature: -40 to $+60^{\circ}\text{C}$

6 : Dimensions



Unit: mm

Diameter of Antenna: 10mm

Diameter of Wire: 0.6mm

Material: Phosphor copper