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**Address: 503, Building 3, YouChuang Space Phase 2, No.5 Qunhui Road,**  
**Xin 'an Street, Bao 'an District, Shenzhen**

**Antenna Spec.**

**CUSTOMER'S NAME :**

客户名称

雅莱仕

**CUSTOMER'S MODEL NO. :**

客户型号

**CUSTOMER'S PART NO. :**

客户料号

**PRODUCT NAME :**

产品名称

Spring antenna

**OUR MODEL NO. :**

本公司型号

002

This Specification is Composed of Under Listed (Samples be attached)

本规格书由以下内容组成(样品另附):

| NO.               | Items(项目)                        | Pages(页码) |
|-------------------|----------------------------------|-----------|
| 1                 | Specification of Product (规格书内容) |           |
| 2                 | Product Drawing (产品图)            |           |
| 3                 | Capability Test Report (性能测试报告)  |           |
| Total pages(包含本页) |                                  | 共 5 页     |

Customer : 雅莱仕  
Specification No.: 002  
Model No.: 002-Spring antenna

### 1, Application

The antenna specified in this specification is applicable for the radio-communication

### 2, Dimensions

As per Drawing No. 002

### 3, Materials

As specified in drawing No.002

### 4, Electrical Characteristics

- i) Resonate Frequency :  $570 \pm 20 \text{ MHz}$ .
- ii) Impedance : 50 ohm Nominal
- iii) Radiation Pattern : Omni Directional
- iv) Polarization : Vertical
- v) Standing Wave Ratio (S.W.R) : 2.0 or less at Resonate point
- vi) Insulation resistance : 500 M ohm at DC 500V

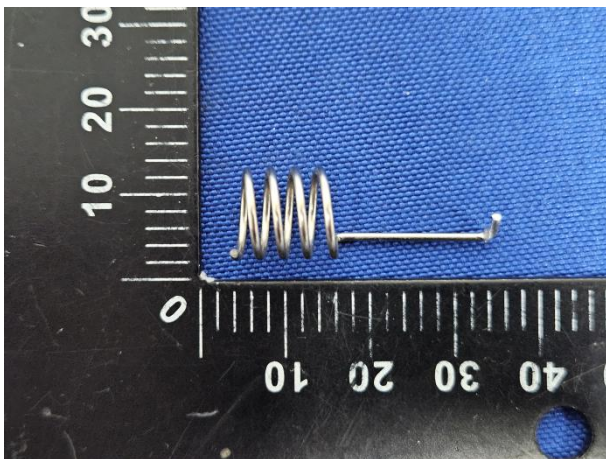
### 5, Mechanical characteristics:

The strength of fixing between sleeve and stud shall withstand the following stresses

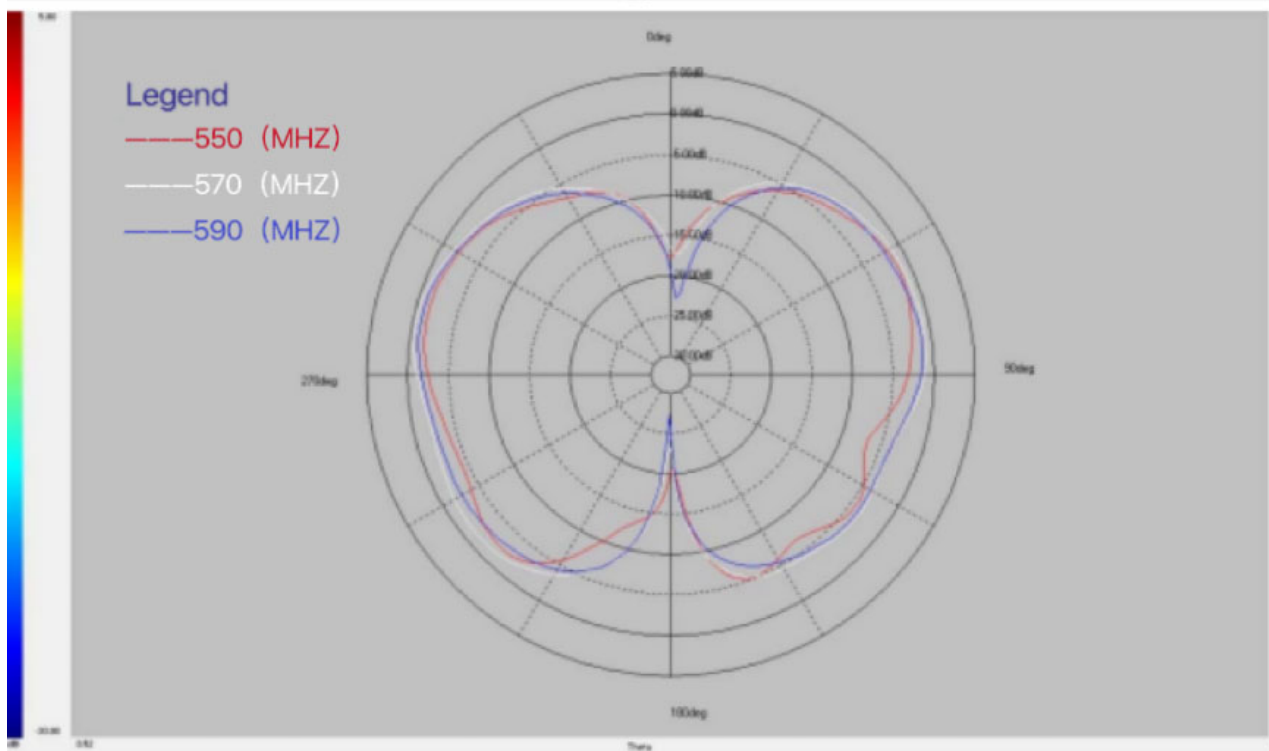
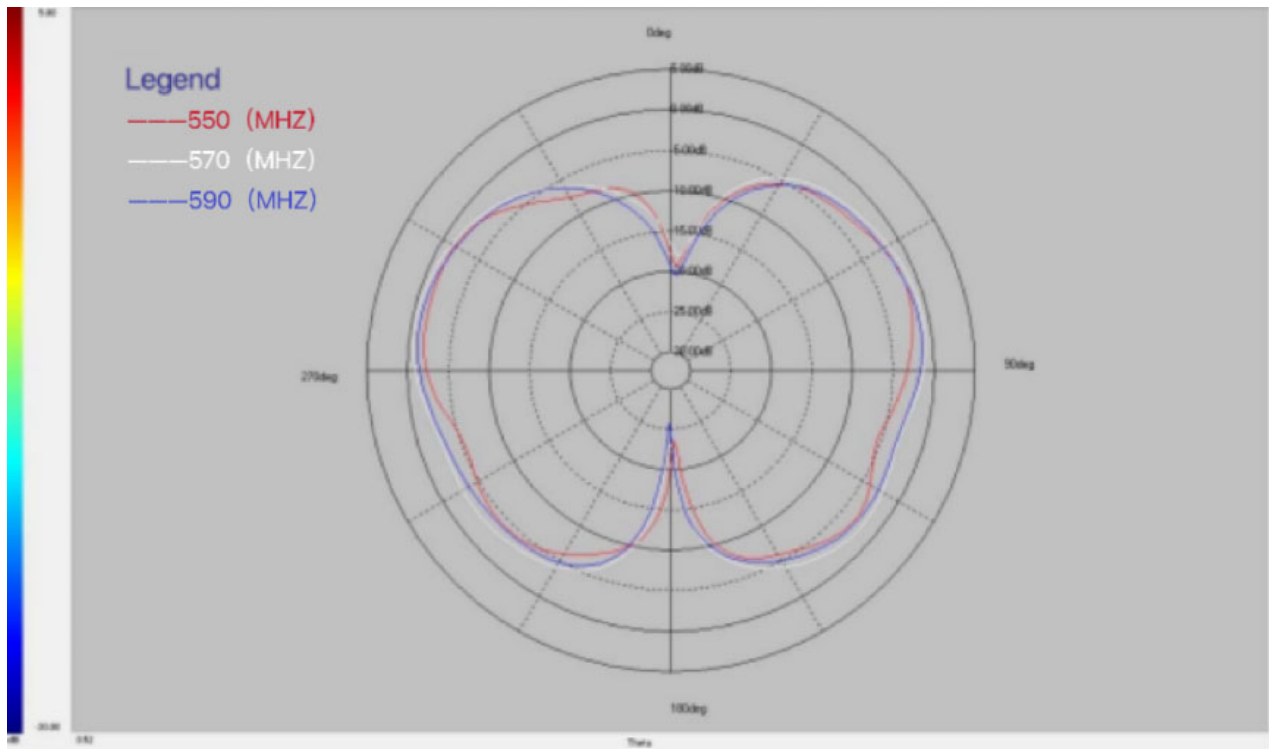
Vertical Direction: 1.0 kg

Rotating Direction: 1.0 kgf.cm

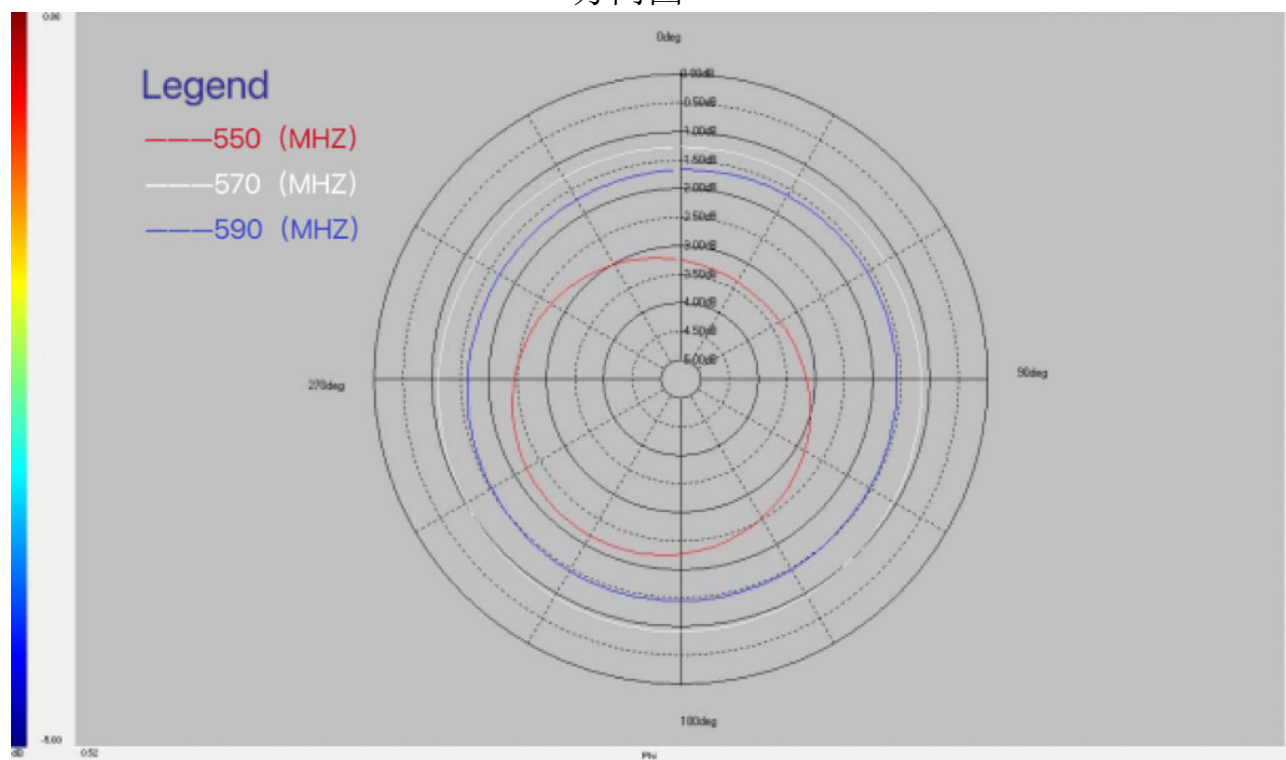
### 6. Antenna size diagram



# 方向图



方向图



| Frequency | Gain(dBi) | Efficiency |
|-----------|-----------|------------|
| 550MHz    | -1.41     | 42.19%     |
| 570MHz    | -0.25     | 57.63%     |
| 590MHz    | -0.83     | 50.21%     |