



东莞市芭乐电子科技有限公司  
Dongguan bale Electronic Technology Co., Ltd.  
东莞市长安镇乌沙社区兴二路15号巨峰德兴科技园六楼

# 承 认 书

## SPECIFICATION FOR APPROVAL

客 户 名 称

CUSTOMER NAME: Ubitech

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产 品 名 称

PRODUCT NAME: 915MHz spring antenna

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客 户 料 号

CUSTOMER P/N:

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芭 乐 料 号

B L P/N: 2.521.002B REV: A

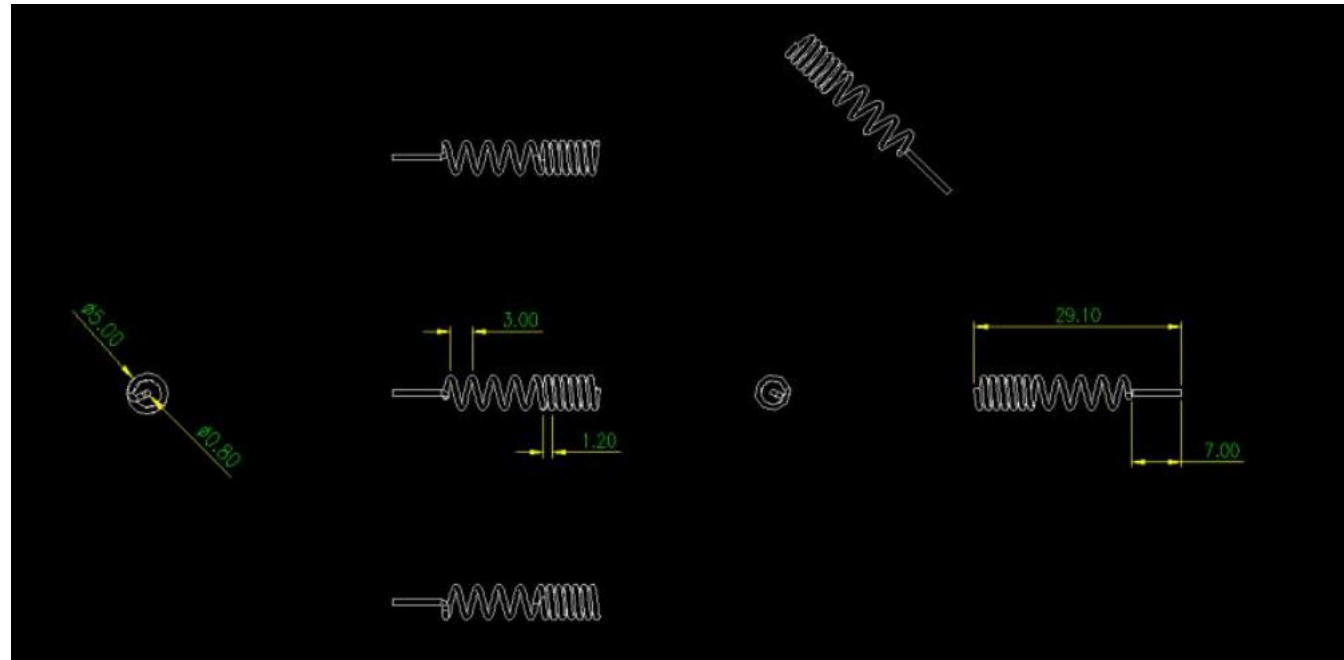
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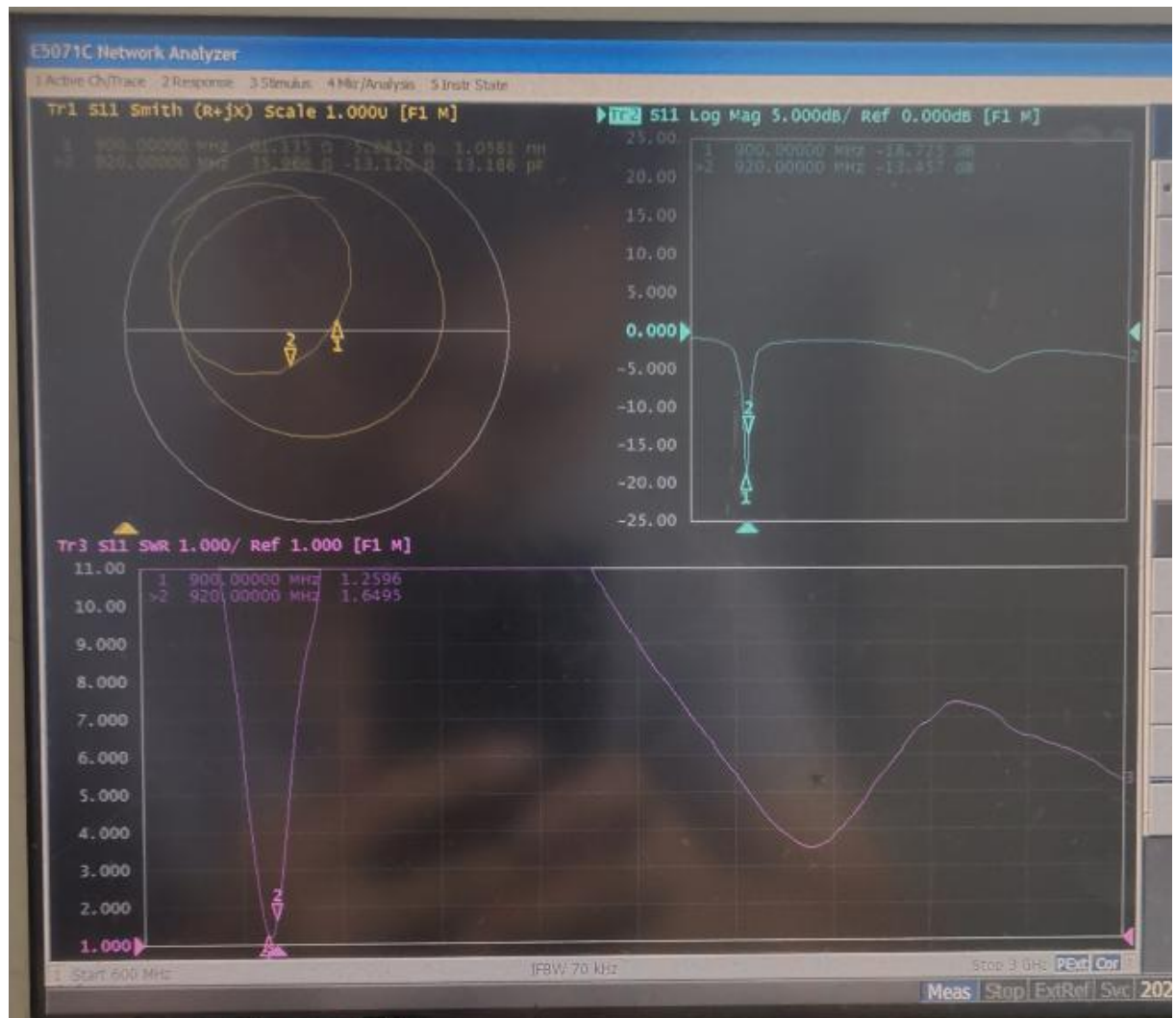
## 1. Specification

| 电性能指标 Main Electrical Specifications           |                           |
|------------------------------------------------|---------------------------|
| 频率范围 Frequency Range (MHz)                     | 600~3000                  |
| 频宽 Bandwidth (MHz)                             | 900~920                   |
| 输入阻抗 Input Impendence ( $\Omega$ )             | $50 \pm 5$                |
| 电压驻波比 V.S.W.R                                  | $\leq 2$                  |
| 增益 Gain (dBi)                                  | -6.39                     |
| 最大功率 Max Power Capacity (w)                    | 10                        |
| 产品材质 product material                          | 不锈钢 stailless steel 镀镍    |
| 机械指标 Mechanical Specifications                 |                           |
| 辐射方向 Radiation Direction                       | 全向 Omnidirectional        |
| 工作温度 Working Temp( $^{\circ}\text{C}$ )        | -40~85 $^{\circ}\text{C}$ |
| 储存温度 Storage Temperature( $^{\circ}\text{C}$ ) | -40~85 $^{\circ}\text{C}$ |
| 重量 Weight (g)                                  | 0.4                       |

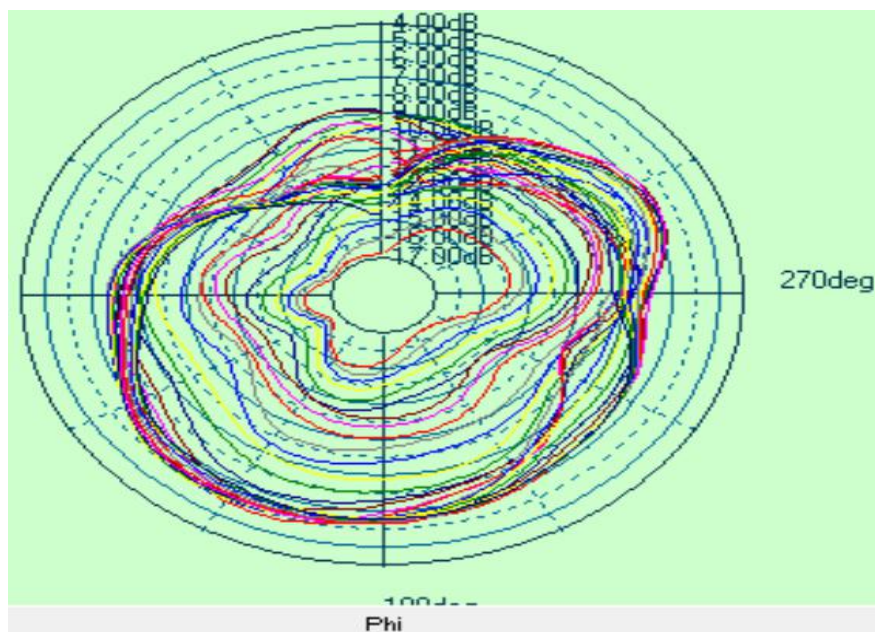
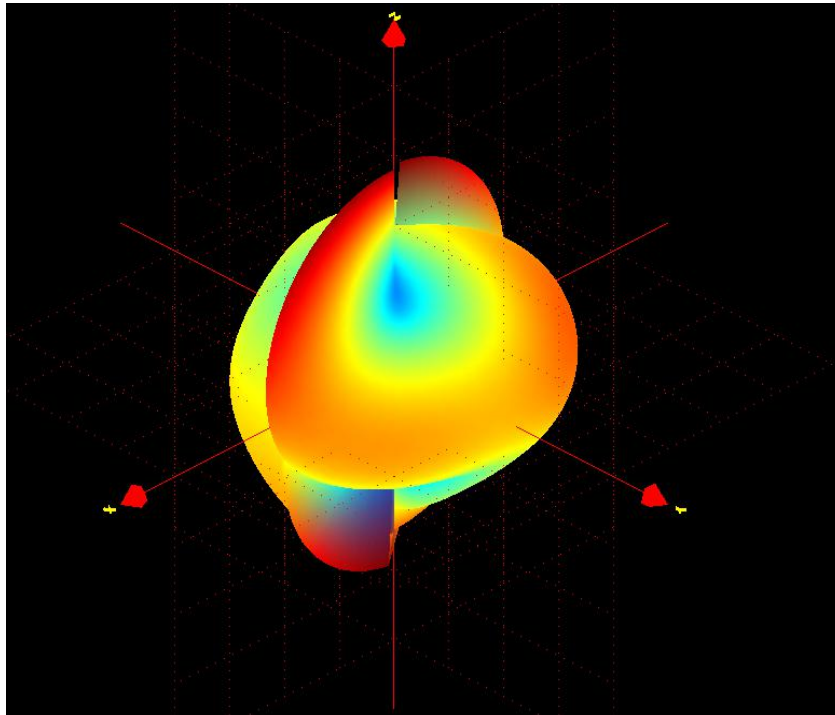
## 2、Construction



### 3. Test result



## 2D、3DRaditation Pattern:





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Frequency

Efficiency

Gain

|           |     |              |
|-----------|-----|--------------|
| 900000000 | 22% | -6.612303113 |
| 901052631 | 22% | -6.572630686 |
| 902105263 | 22% | -6.53730111  |
| 903157894 | 22% | -6.504878199 |
| 904210526 | 23% | -6.475373838 |
| 905263157 | 23% | -6.439018137 |
| 906315789 | 23% | -6.420484425 |
| 907368421 | 23% | -6.406260077 |
| 908421052 | 23% | -6.398230804 |
| 909473684 | 23% | -6.396503306 |
| 910526315 | 23% | -6.396181944 |
| 911578947 | 23% | -6.400237629 |
| 912631578 | 23% | -6.40816142  |
| 913684210 | 23% | -6.421919753 |
| 914736842 | 23% | -6.438392242 |
| 915789473 | 23% | -6.441798061 |
| 916842105 | 23% | -6.461683901 |
| 917894736 | 22% | -6.481483178 |
| 918947368 | 22% | -6.500584935 |
| 920000000 | 22% | -6.518088994 |