

**ShenZhen SuFei Technology Co.,Ltd**

## SPECIFICATION FOR APPROVAL

|                 |             |                |
|-----------------|-------------|----------------|
| 制定<br>ORGANIZER | 审核<br>CHECK | 核准<br>APPROVAL |
| Biao            | LiSen       | Amy            |

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## 产品主要技术参数

| 主要技术参数           |           | Main technical specifications |                 |
|------------------|-----------|-------------------------------|-----------------|
| 频率范围 (MHZ)       | 868-923   | Frequency Range(MHZ)          | 868-923         |
| 中心频率<br>特性阻抗 (Ω) | 50±10     | Impedance(Ω)                  | 50±10           |
| 反射损耗             | ≤-10      | ReTurnLoss(dB)                | ≤-10            |
| 最大功率             | 1W        | Admitted Power                | 1W              |
| 极化方式             | 垂直极化      | Polarization                  | Linear Vertical |
| 连接方式             | IPEX      | Connector Type                | IPEX            |
| 物理特性             |           | Physical Properties           |                 |
| 天线本体材料           | FPC       | Antenna Base                  | FPC             |
| 工作温度             | -20℃-+60℃ | Operating Temp                | -20℃-+60℃       |
| 保存温度             | -20℃-+70℃ | Storage Temp                  | -20℃-+70℃       |

### 原材料清单:

| 组件编号 | 组件名称   | 原料主要材质       | 使用数量 | 单位  | 备注 |
|------|--------|--------------|------|-----|----|
| 1    | FPC    | 双面胶+低损耗黄色覆盖膜 | 1    | PCS |    |
| 2    | 1.13 线 | 1.13 线       | 1    | PCS |    |
| 3    | IPEX   | IPEX         | 1    | PCS |    |
| 4    | 背胶     | 背胶           | 1    | PCS |    |

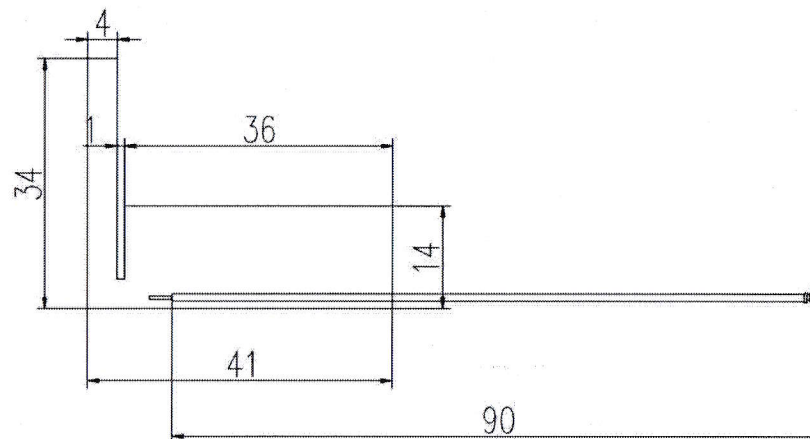
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ROHS

| REV. | CONTENT | DATE      |
|------|---------|-----------|
| A    | 首次发行    | 2018/1/22 |



NOTE:

1. 频率863MHz-928MHz

2. RG1.13

阻抗: 50Ω 标准线材, 外皮采用较软的材质制作

3. IPEX头: Φ1.13mm

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|           |       |         |          |
|-----------|-------|---------|----------|
| CUSTOMER  |       |         |          |
| PART NO   |       |         |          |
| TITLE     |       |         |          |
| S. H P/NO |       |         |          |
| SIZE      | DRAWN | CHECKED | APPROVED |
| A4        | Alice | Lili    | Peter    |

| 4   |      |          | 1PC |
|-----|------|----------|-----|
| 3   |      |          | 1PC |
| 2   |      |          | 1PC |
| 1   |      |          | 1PC |
| NO. | Name | Finished | Qty |

|                                      |                           |
|--------------------------------------|---------------------------|
| TOLERANCE UNLESS OTHERWISE SPECIFIED |                           |
| UNIT: mm                             | ANGLES ±0.5° X. ±2.0      |
| SHEET: 1/1                           | X.XX ±0.2 XX. ±3.0        |
| SCALE: 1/1                           | X.X ±0.5 DATE: 2017.11.21 |

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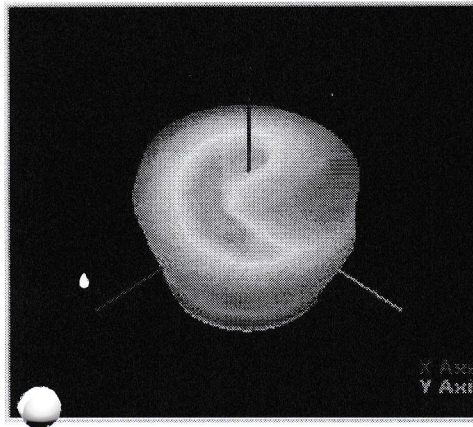
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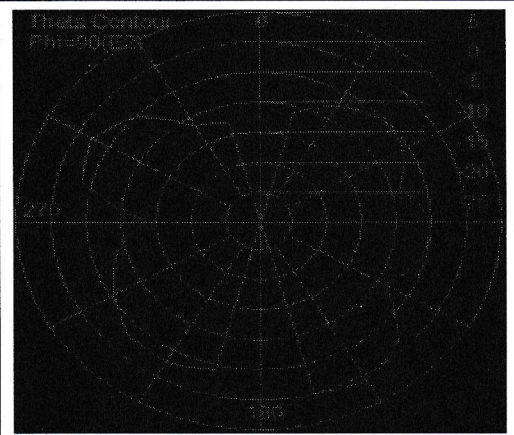
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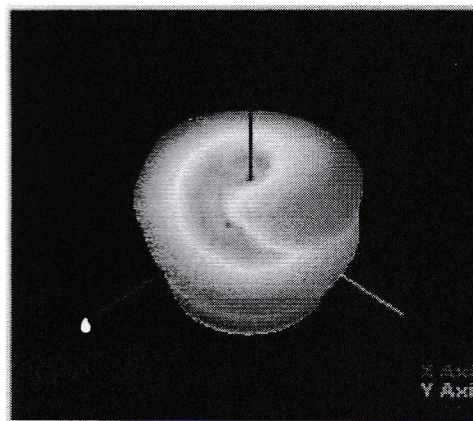
860M



Gain(Peak):0.8dBi



Efficiency:28.2%



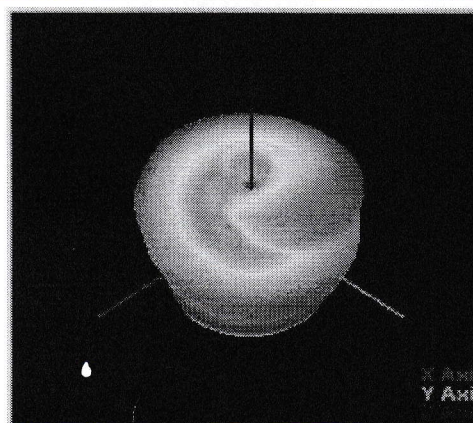
870M



Gain(Peak):0.85dBi



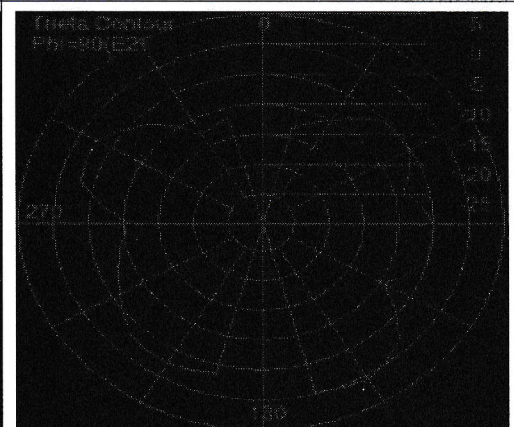
Efficiency:28.6%



880M



Gain(Peak):0.66dBi

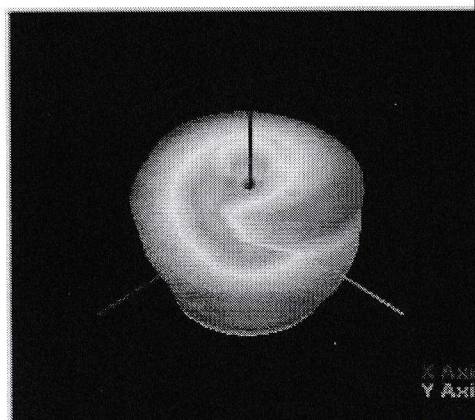


Efficiency:27.4%

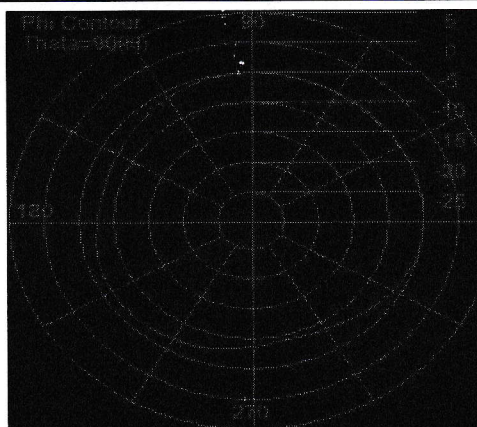


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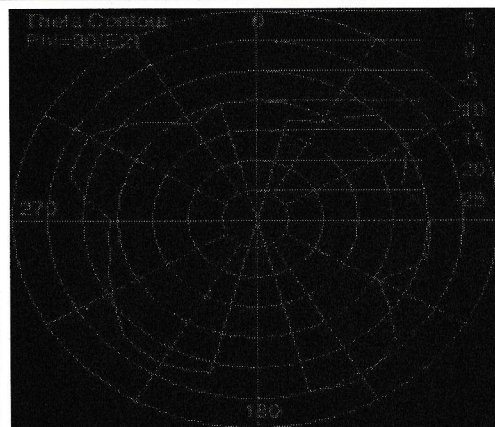
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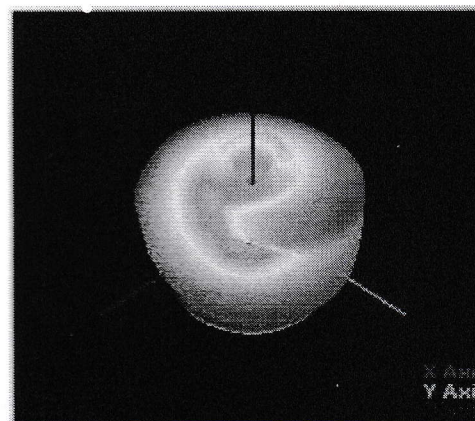
890M



Gain(Peak):0.98dBi



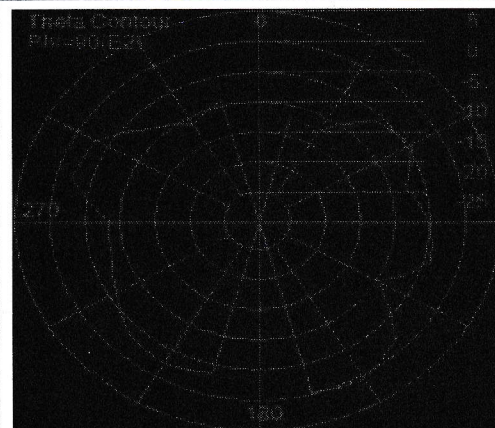
Efficiency:29.2%



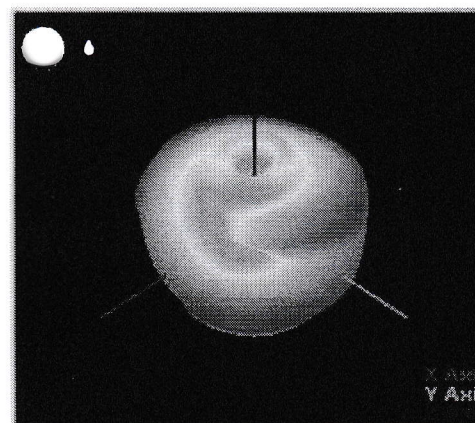
900M



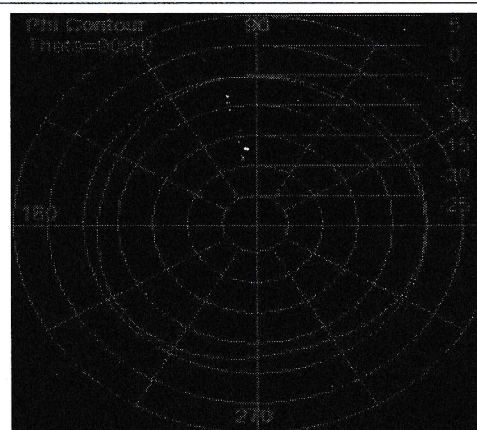
Gain(Peak):0.72dBi



Efficiency:27.6%



910M



Gain(Peak):0.78dBi

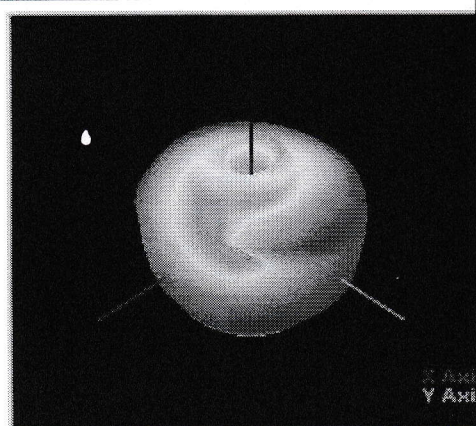


Efficiency:28.3%

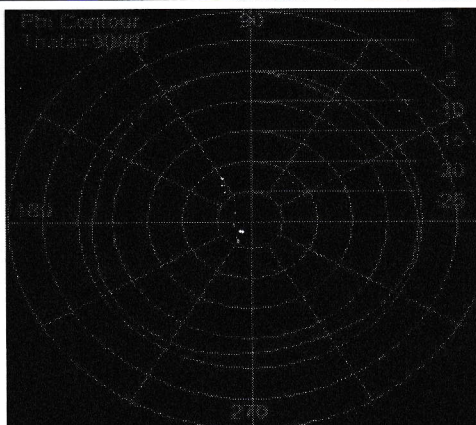


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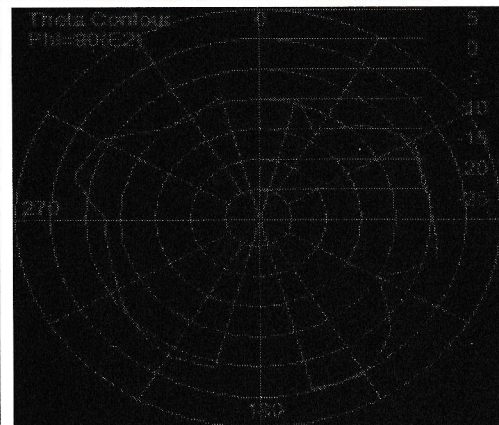
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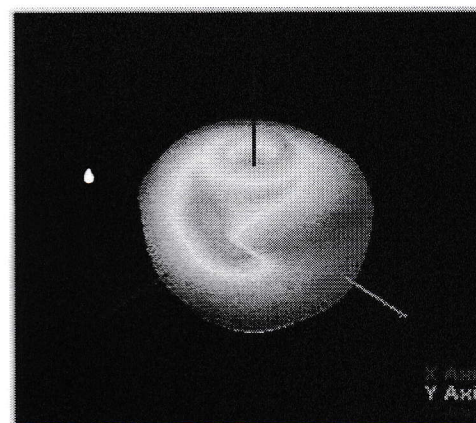
920M



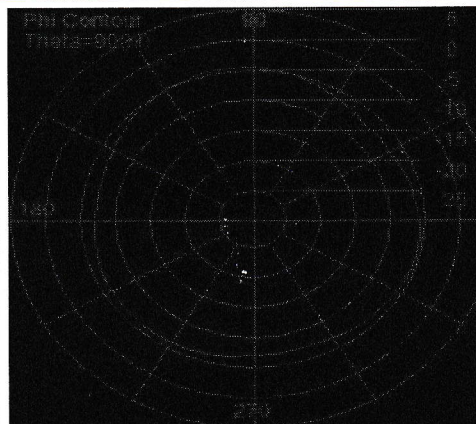
Gain(Peak):0.34dBi



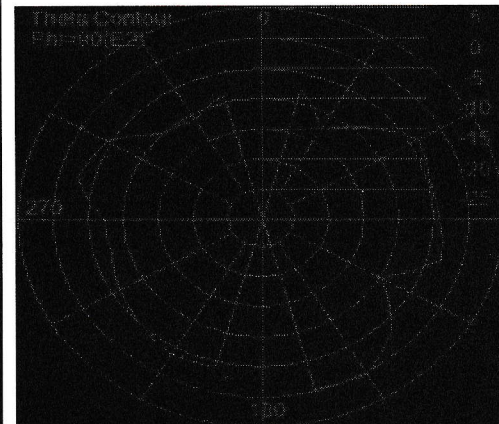
Efficiency:25.9%



930M



Gain(Peak):0.36dBi



Efficiency:26.2%