

# 深圳旭航通讯科技有限公司

Shenzhen Xuhang Communication  
Technology Co., Ltd

## 规格承认书

|                      |                  |
|----------------------|------------------|
| 客户<br>CUSTOMER       | 深圳库玛科技有限公司       |
| 客户料号<br>CUSTOMER NO. | W.Z.RF.000027000 |
| 供方品名<br>PART NAME    | 915 天线           |
| 规格名称<br>SUPPLIER NO. | XH230160-915     |

|                              |             |                  |
|------------------------------|-------------|------------------|
| 客户确认<br>CUSTOMER APPROVED BY |             |                  |
| 检验<br>APPROVAL               | 审核<br>CHIEF | 批准<br>SUPERVISOR |
|                              |             |                  |

|              |             |                |
|--------------|-------------|----------------|
| 设计<br>DESIGN | 审核<br>CHECK | 批准<br>APPROVAL |
| Luo          | Robert      | SHANG          |

Date:Nov 11,2023

# DIRECTORY

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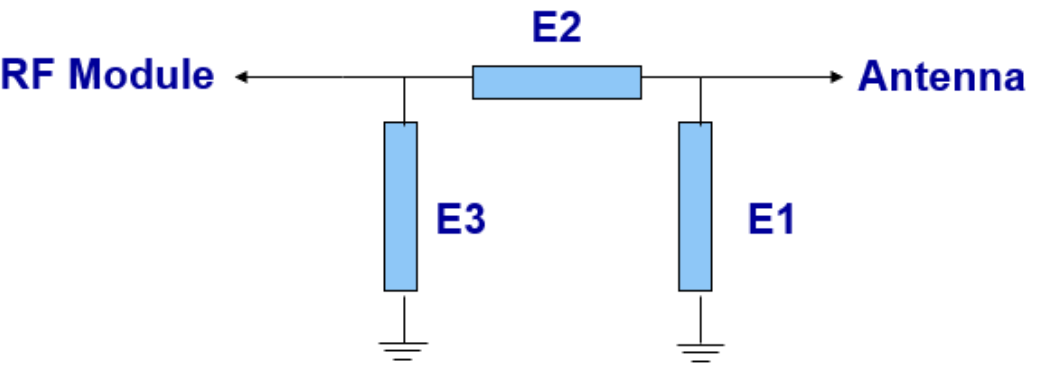
# 电性测试报告

## TEST REPORTS

|                          |                  |
|--------------------------|------------------|
| 频率<br>Frequency          | 902~928MHz       |
| 阻抗<br>Impedance          | 50 Ohm Nominal   |
| 驻波比<br>V.S.W.R           | <2.0             |
| 回波损耗<br>Return Loss      | -9dB Max         |
| 辐射<br>Radiation          | Omni-directional |
| 增益<br>Gain(Peak)         | 3.26dBi          |
| 极化方式<br>Polarization     | Linear           |
| 功率<br>Admitted Power     | 1W               |
| 连接器<br>Connector         | /                |
| Physical Properties      |                  |
| 天线材质<br>Antenna Material | /                |
| 线材类型<br>Cable Type       | /                |
| 工作温度<br>Operating Temp.  | -10-+60℃         |
| 存储温度<br>Storage Temp.    | -10-+70℃         |
| 线材颜色<br>Cable Color      | /                |

# 匹配电路

## Matching Circuits



匹配电路

| Element  | Value | Vender |
|----------|-------|--------|
| E1(0402) | NC    |        |
| E2(0402) | 10PF  |        |
| E3(0402) | 0.3PF |        |

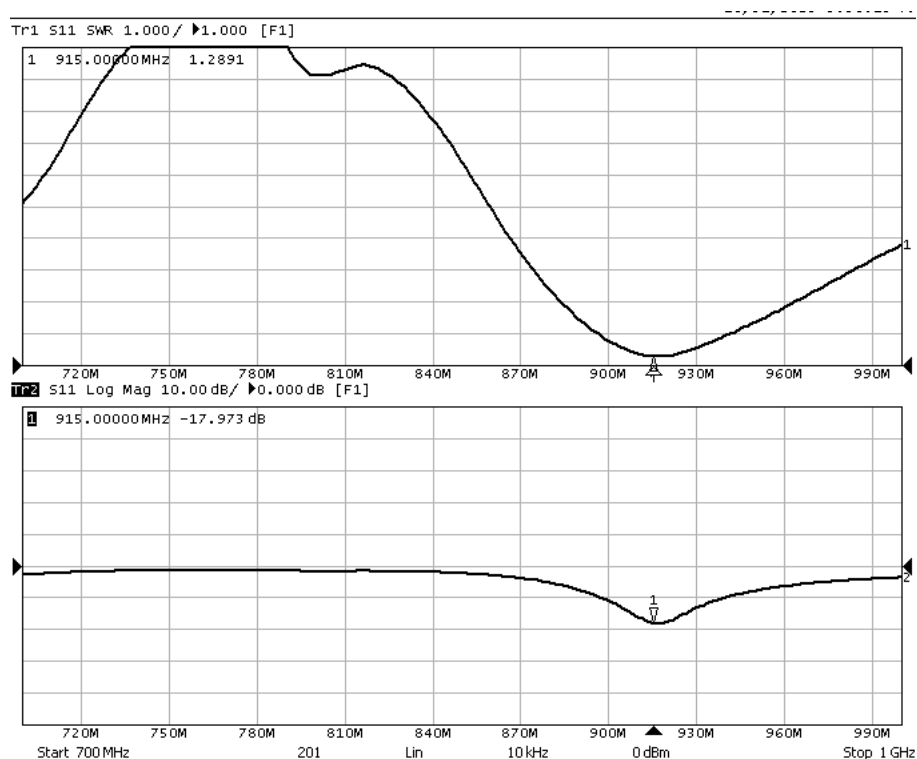
原匹配电路无修改

The original matching circuit has not been modified



# 测试数据

## Test Data



无源效率:

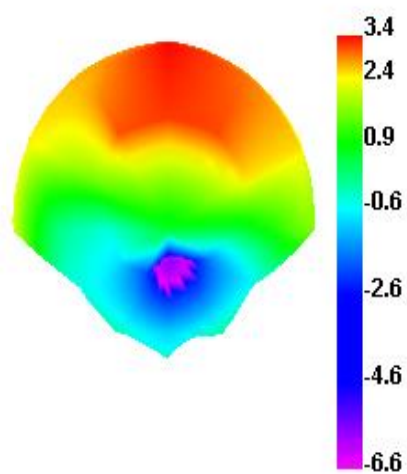
| Freq<br>(MHz) | Effi<br>(%) | Gain<br>(dBi) |
|---------------|-------------|---------------|
| 902           | 63.91       | 2.77          |
| 905           | 64.54       | 2.84          |
| 908           | 65.45       | 2.96          |
| 912           | 69.53       | 3.26          |
| 910           | 67.09       | 3.09          |
| 913           | 69.88       | 3.17          |
| 915           | 69.62       | 2.93          |
| 918           | 66.86       | 2.92          |
| 920           | 66.56       | 2.89          |
| 923           | 65.51       | 2.79          |
| 925           | 65.47       | 2.77          |
| 928           | 64.12       | 2.57          |

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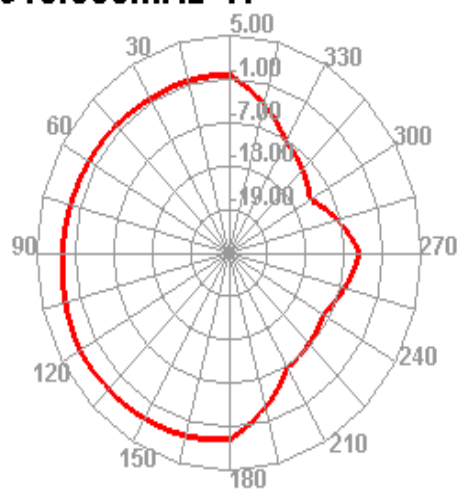
Address: 213-214, Building 1 Floor 2, Chenghede Industrial Zone, Henglang Community, Dalang Street, Longhua District, Shenzhen

3D 方向图 910MHz

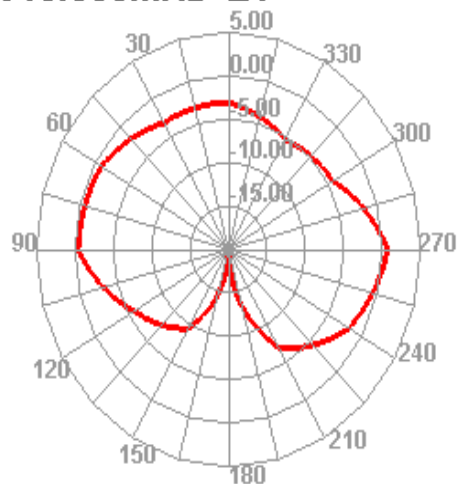
**910.000MHz**



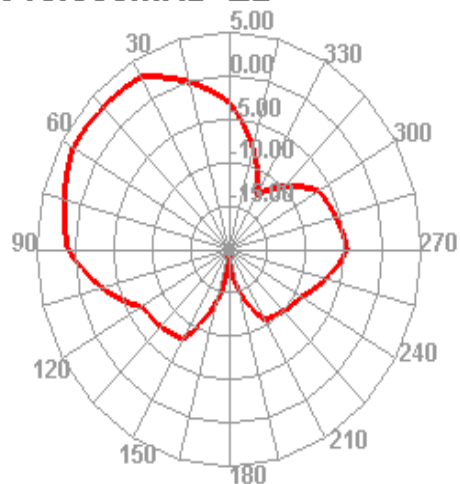
**910.000MHz H**



**910.000MHz E1**



**910.000MHz E2**

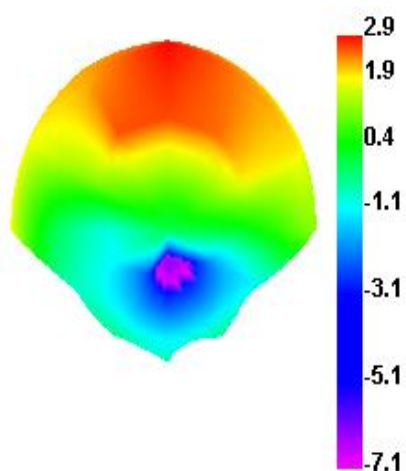


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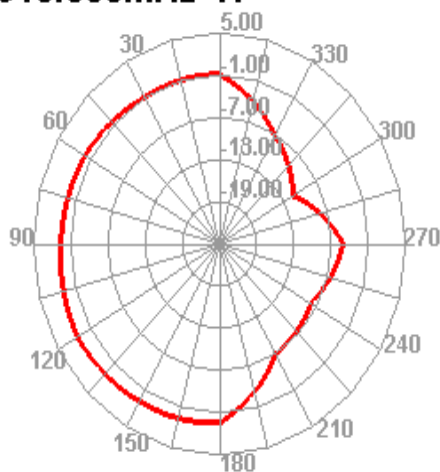
Address: 213-214, Building 1 Floor 2, Chenghede Industrial Zone, Henglang Community, Dalang Street, Longhua District, Shenzhen

3D 方向图 915MHz

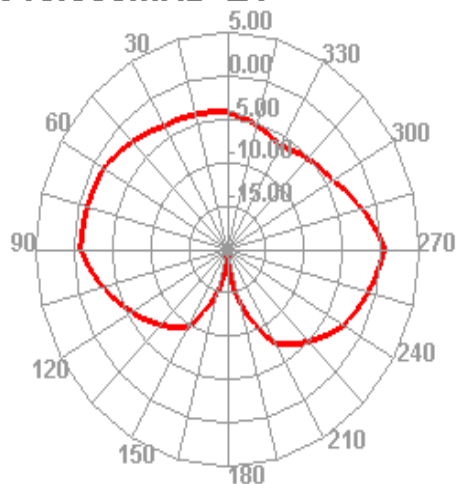
**915.000MHz**



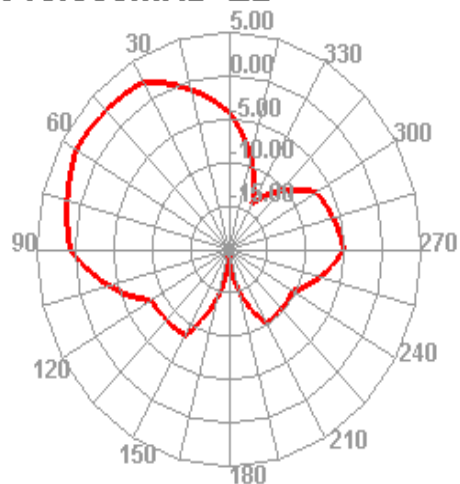
**915.000MHz H**



**915.000MHz E1**



**915.000MHz E2**

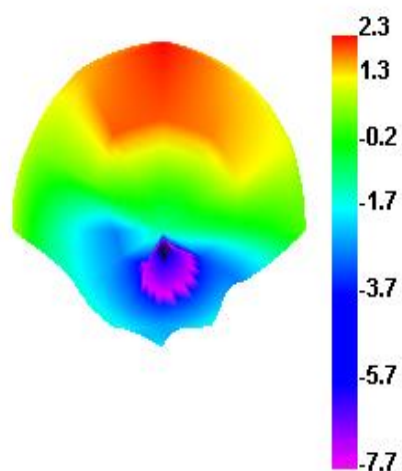


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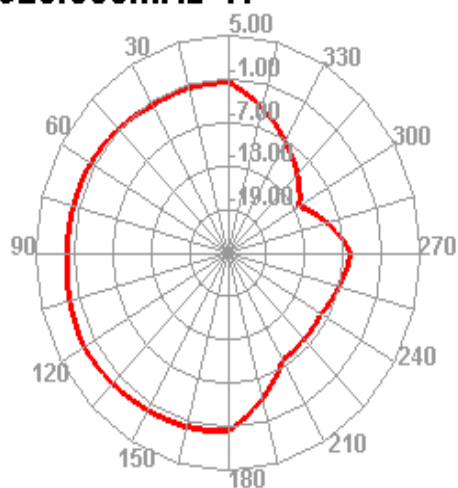
Address: 213-214, Building 1 Floor 2, Chenghede Industrial Zone, Henglang Community, Dalang Street, Longhua District, Shenzhen

3D 方向图 920MHz

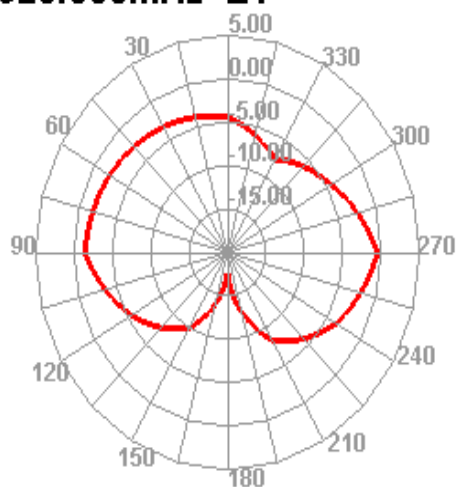
**920.000MHz**



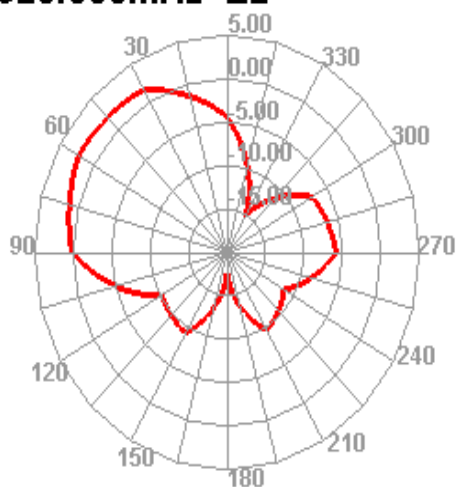
**920.000MHz H**



**920.000MHz E1**



**920.000MHz E2**



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# 天线 Antenna



# 包装方式 Packing

如下图所示：

This is shown in the figure below



每条天线单独装 1 个 PE 袋;;50pcs/包。

Each antenna is packed with 1 PE bag separately; 50pcs/bag.

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