

## 天线规格说明书

### 1. 天线增益说明 Antenna Gain Explanation

频率范围 Frequency Range: 2402MHz-2480MHz

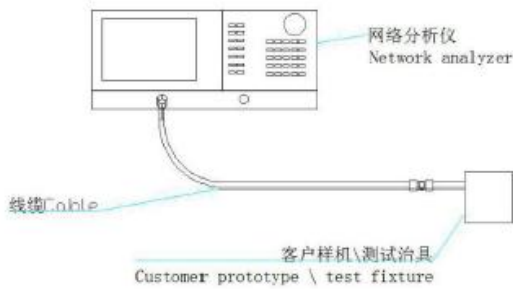
天线增益 Antenna Gain: 1.5 dBi

### 2. 电气性能 Electrical Characteristics

#### 2.1. 测试环境条件 Test Environment Conditions

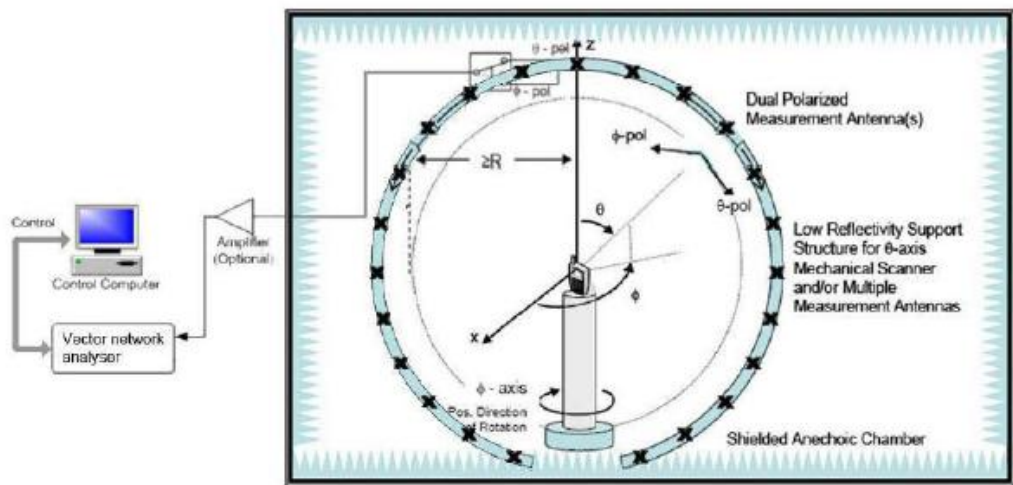
|                |                                  |
|----------------|----------------------------------|
| 温度 Temperature | Ordinary Temperature (5 to 35℃)  |
| 湿度 Humidity    | Ordinary Humidity (25 to 85% RH) |

#### 2.2. 测试方法 Measurement method



### 2.3. 效率及增益 Efficiency and Gain

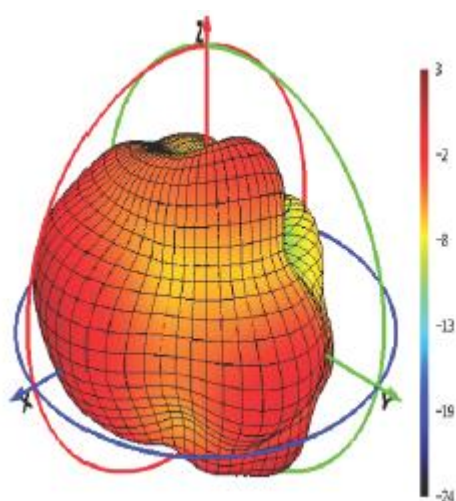
#### 2.3.1. 测试系统 Test system



### 2.3.2. 无源数据 No-source test data

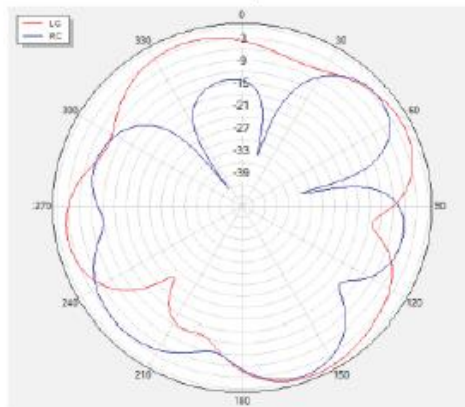
| 增益和效率                |                 |                      |                  |
|----------------------|-----------------|----------------------|------------------|
| frequency<br>频率(MHz) | gain<br>增益(dBi) | efficiency<br>效率(dB) | efficiency<br>效率 |
| 2400                 | 1.01            | -4.46                | 32.13%           |
| 2410                 | 1.23            | -4.29                | 33.88%           |
| 2420                 | 1.38            | -4.17                | 34.09%           |
| 2430                 | 1.42            | -3.98                | 35.90%           |
| 2440                 | 1.50            | -3.62                | 36.64%           |
| 2450                 | 1.46            | -3.81                | 34.82%           |
| 2460                 | 1.37            | -4.06                | 32.05%           |
| 2470                 | 1.32            | -4.21                | 31.91%           |
| 2480                 | 1.33            | -4.32                | 30.98%           |
| 2490                 | 1.28            | -4.24                | 30.35%           |
| 2500                 | 0.91            | -4.34                | 29.84%           |

### 2.3.3 3D Radiation Drawing

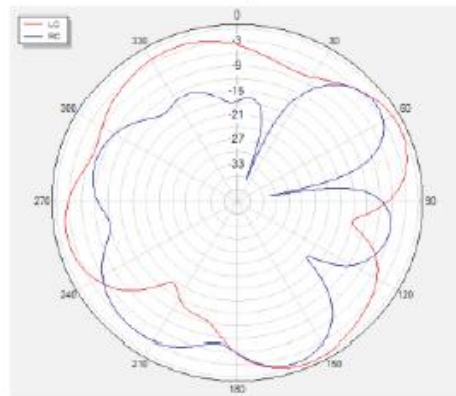


### 2.3.4 directional drawing of horizontal plane

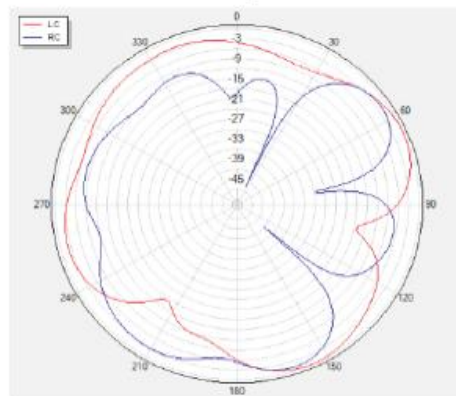
**Theta=90 freq=2400MHz**



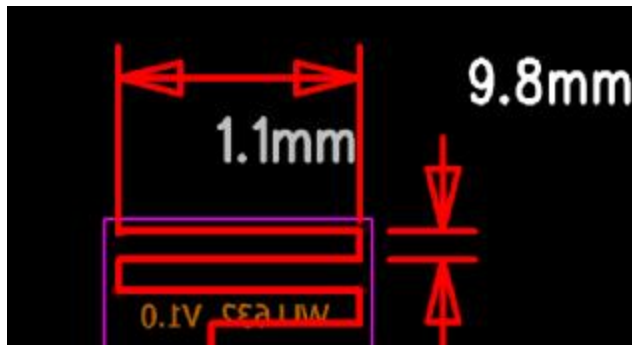
**Theta=90 freq=2450MHz**



**Theta=90 freq=2480MHz**



### 3 天线尺寸图Antenna size diagram



### 4 备注 Notes

1 安装时注意不能离金属部分太近，以避免影响天线性能。When installing, be careful not to place it too close to the metal part to avoid affecting the antenna performance

2 此款天线只适合此机型，天线的位置不可以随意改动。 This antenna is only suitable for this model. The position of the antenna cannot be changed at will