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# 承认书

## Antenna Data Sheet

天线制造商：宇视

Antenna Manufacturer: Zhejiang Uniview Technologies Co., Ltd.

Address: Zhejiang Uniview Technologies Co., Ltd.

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产 品 名 称：2.4G PCB板载天线

Product Name: 2.4G PCB Antenna

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天 线 型 号：0302C5N7

Antenna Model: 0302C5N7

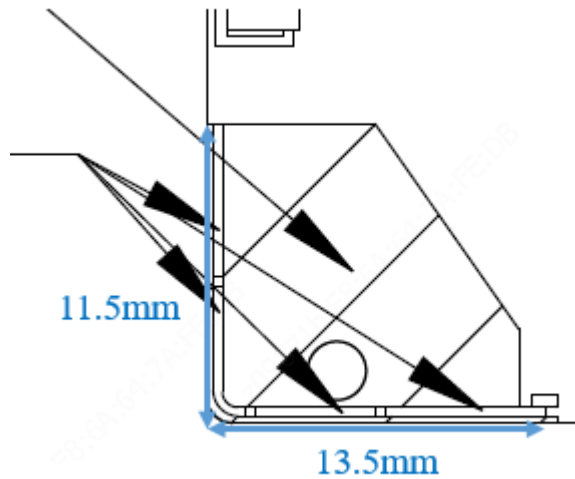
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1、规格表(Specifications)

| 主要技术指标           |            | Main technical specifications |            |
|------------------|------------|-------------------------------|------------|
| 频率范围(MHz)        | 2400~2500  | Frequency Range (MHZ)         | 2400~2500  |
| 特性阻抗( $\Omega$ ) | 50         | Impedance( $\Omega$ )         | 50         |
| 峰值增益(dBi)        | 2.29       | Peak Gain(dBi)                | 2.29       |
| 反射系数(dB)         | $\leq -10$ | S11(dB)                       | $\leq -10$ |
| 物理性能             |            | Physical Properties           |            |
| 天线本体材料           | PCB        | Antenna Base                  | PCB        |

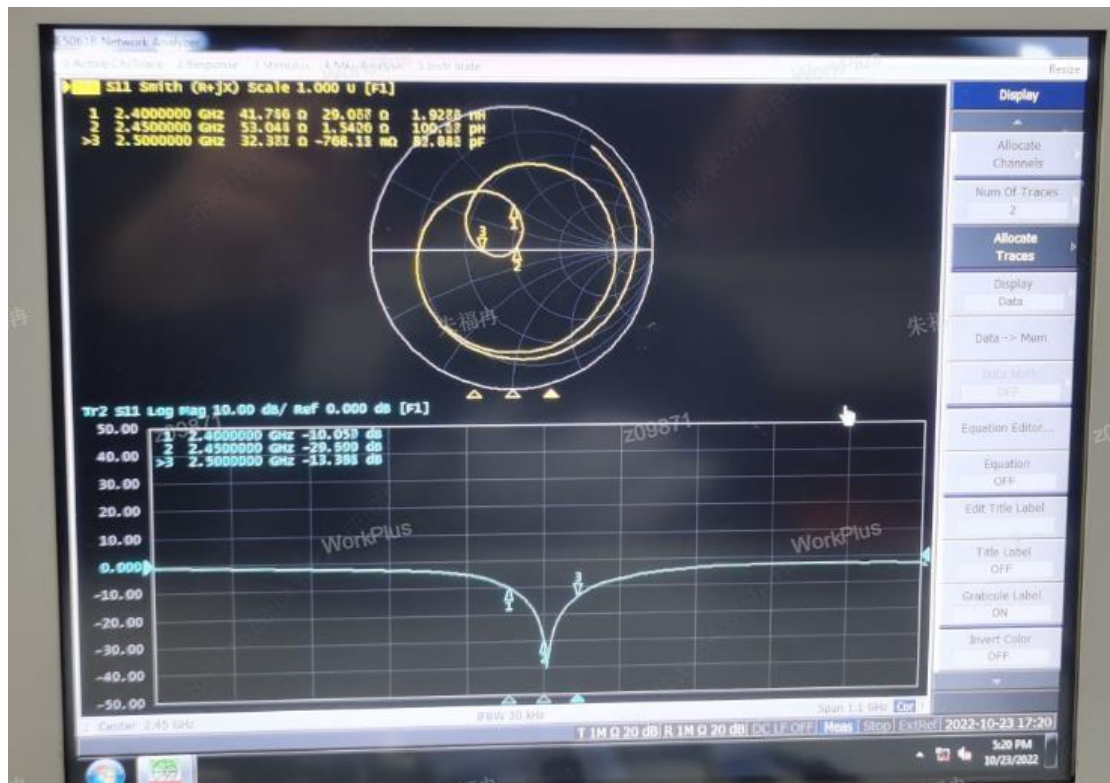
## 2、成品图(Antenna Dimensions)

Antenna Dimensions: 13.5mm\*11.5mm



## 3、测试报告(performance testing)

### 3.1 Return Loss&VSWR

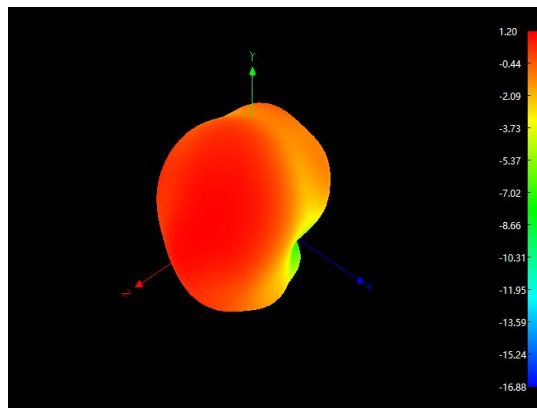


## 3.2 暗室 2D、3D Raditation Pattern

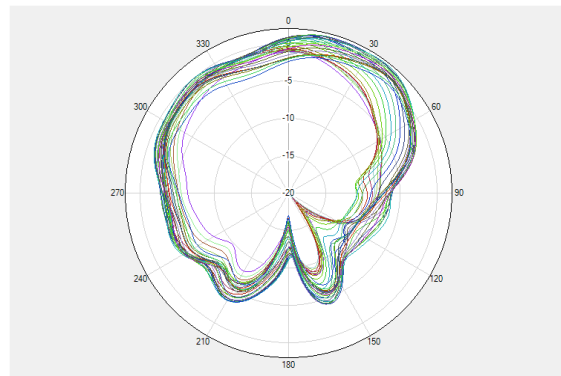
### 3.2.1 Efficiency&Gain

| Frequency / MHz | Efficiency / % | Gain/ dBi |
|-----------------|----------------|-----------|
| 2400            | 57.15          | 1.2       |
| 2410            | 56.49          | 1.54      |
| 2420            | 56.36          | 1.75      |
| 2430            | 57.28          | 1.7       |
| 2440            | 58.48          | 1.79      |
| 2450            | 58.75          | 1.72      |
| 2460            | 57.81          | 1.89      |
| 2470            | 57.28          | 2.15      |
| 2480            | 55.85          | 2.2       |
| 2490            | 54.95          | 2.29      |
| 2500            | 52.12          | 1.78      |

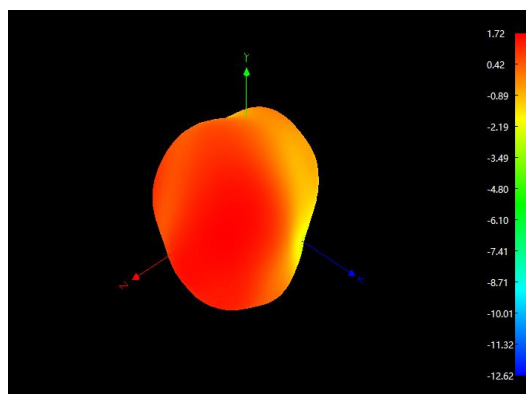
### 3.2.2 2D、3D Raditation Pattern



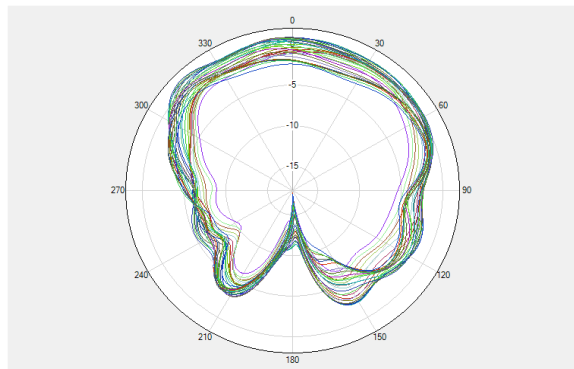
2400MHz



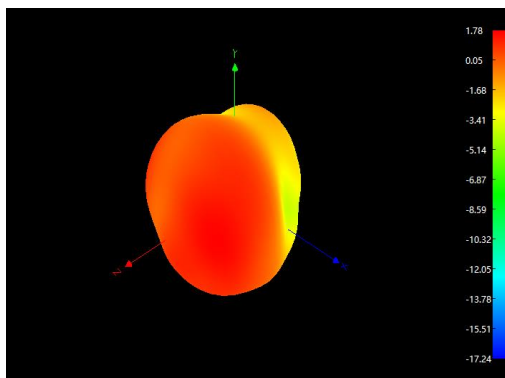
PHI=0 2D



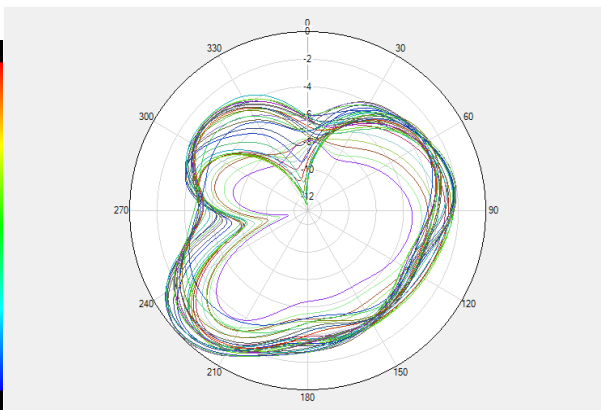
2450MHz



PHI=90 2D



2500MHz



THETA=90 2D

#### 4、天线实物图(Antenna Photo)

