



Shenzhen Jiexun wireless technology Co., LTD

## Antenna specification

Customer: Zhongyitengda

Item: **JA001**

Customer Part Number:

Antenna specification: BT Bluetooth cable



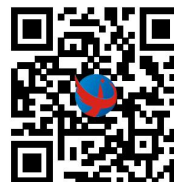
## catalogue

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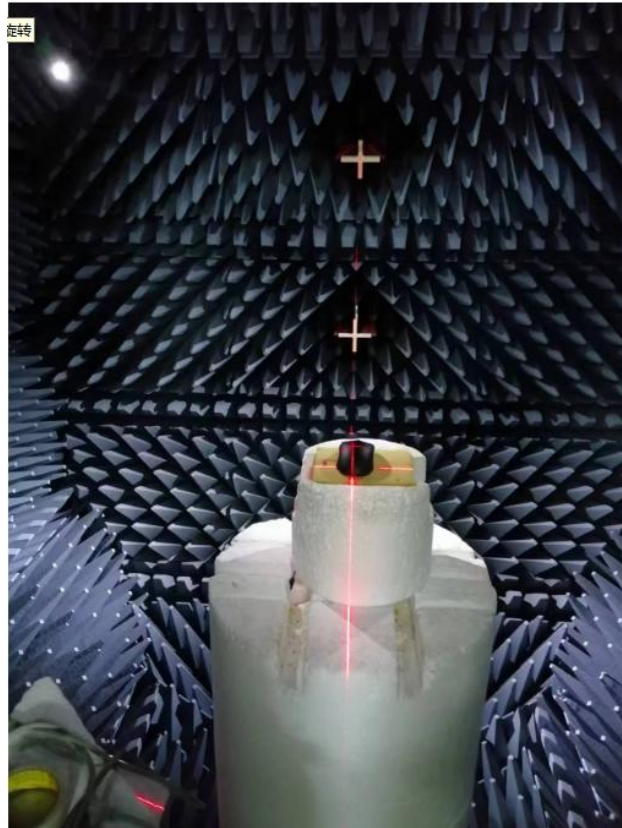
**Web: <http://www.jxtant.com>**

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## 一、Antenna picture



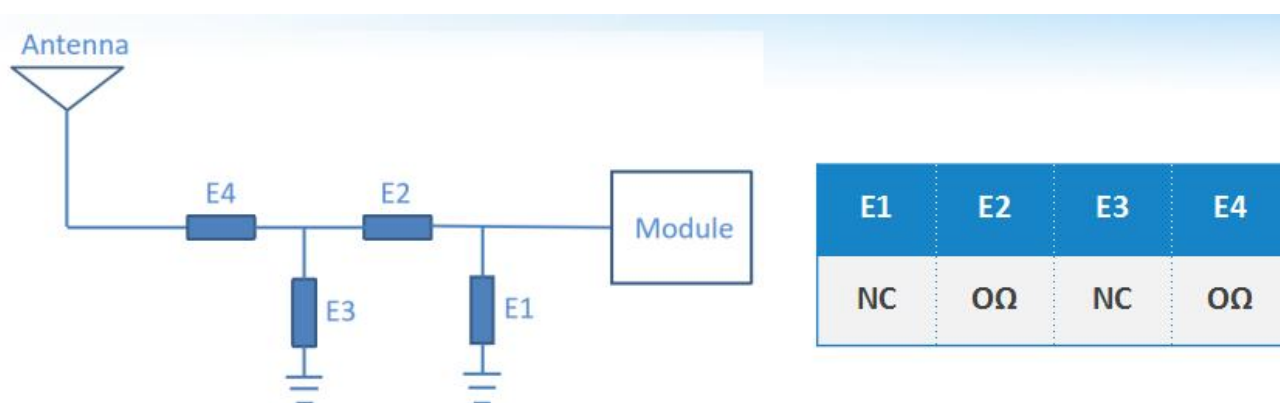
## 二、testing environment



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### 三、antenna loading coil

#### 3.1.Antenna



\*:我司未对原有天线前端匹配做更改。

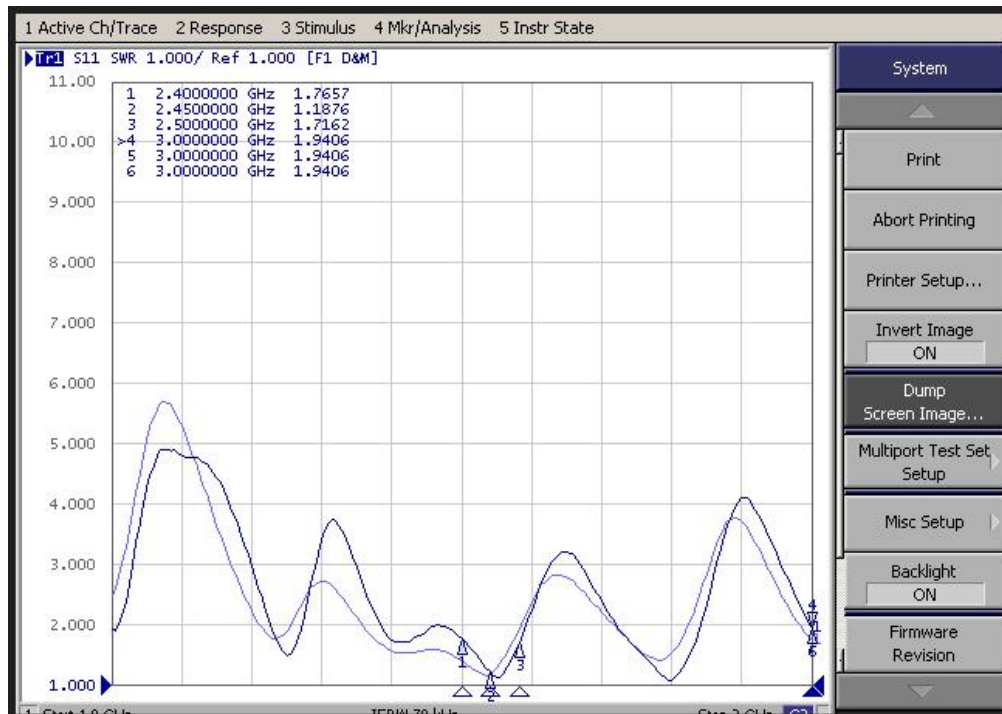
### 四、product standard

| 无源电性能指标 Passive Electrical Specifications |              |
|-------------------------------------------|--------------|
| Frequency Range (MHz)                     | 2400-2500MHZ |
| Input Impedence (Ω)                       | 50           |
| VSWR                                      | ≤2           |
| Gain (dBi)                                | <3dBi        |

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## 五、Electrical performance report

- VSWR



| Frequency (MHz) | 2400 | 2450 | 2500 |
|-----------------|------|------|------|
| VSWR            | 1.76 | 1.18 | 1.71 |
| Max gain(dBi)   | 2.70 | 2.41 | 2.87 |

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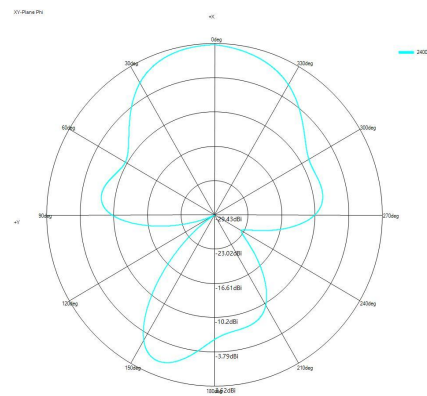
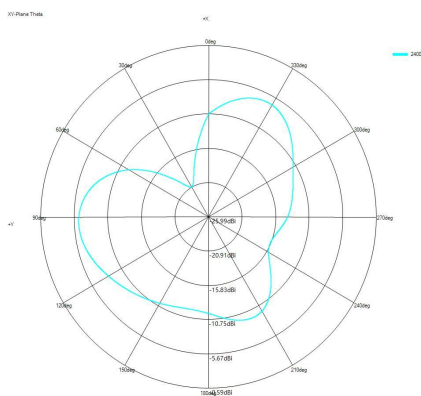
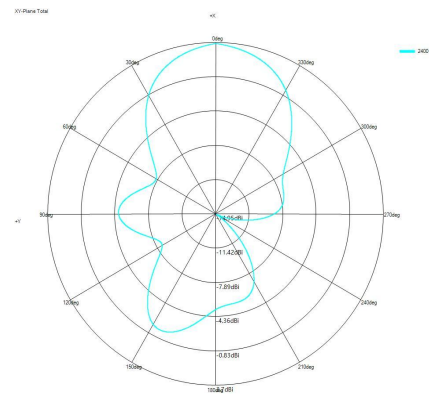
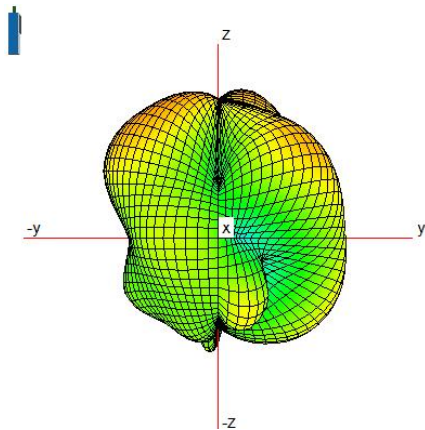
| Freq (MHz) | Gain(dBi)   | Efficiency(dB) | Efficiency(%) |
|------------|-------------|----------------|---------------|
| 2400       | 2.700918944 | -2.859675464   | 54.76455127   |
| 2410       | 2.565942259 | -2.930323626   | 53.92929183   |
| 2420       | 2.496222068 | -3.002128854   | 53.09416185   |
| 2430       | 2.413509952 | -3.03202794    | 52.75047207   |
| 2440       | 2.462675722 | -3.01661197    | 52.92738305   |
| 2450       | 2.411832507 | -2.977279933   | 53.38160593   |
| 2460       | 2.428409204 | -2.871846388   | 54.61968633   |
| 2470       | 2.407118492 | -2.818603153   | 52.25642374   |
| 2480       | 2.597706584 | -2.75693628    | 53.00372255   |
| 2490       | 2.709689612 | -2.694319077   | 53.77347371   |
| 2500       | 2.870364767 | -2.643090397   | 54.41153279   |

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● directional diagram

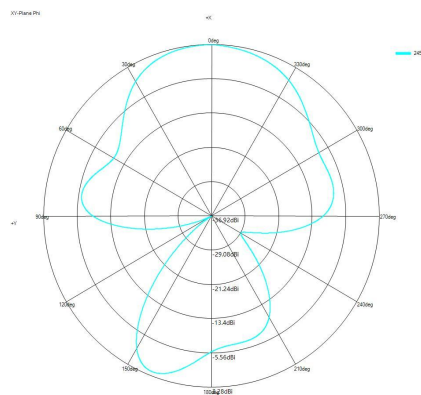
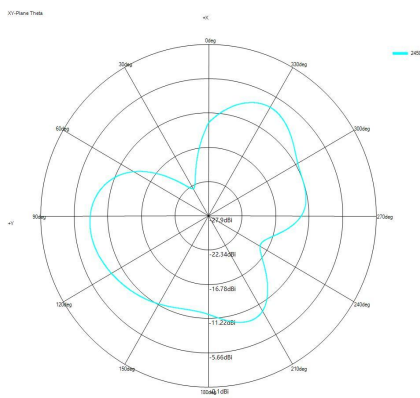
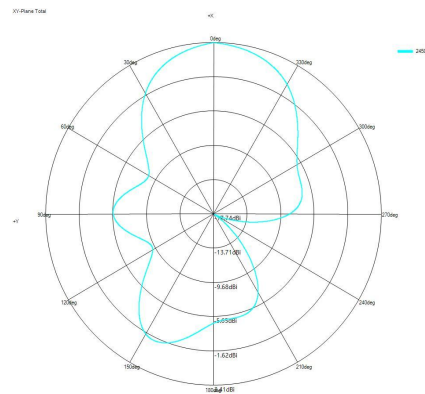
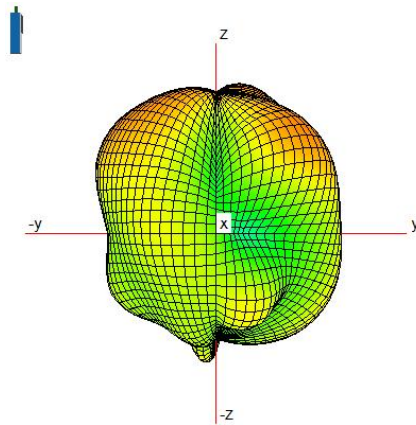
Antenna 2400Mhz



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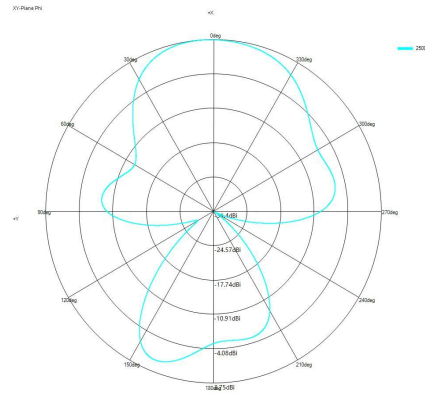
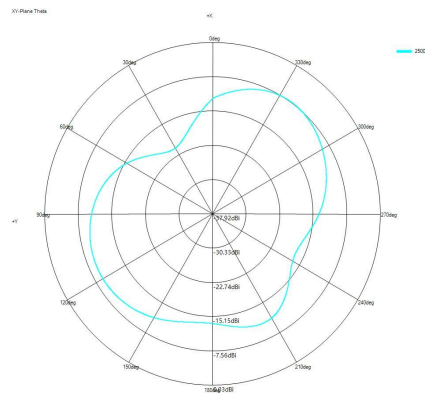
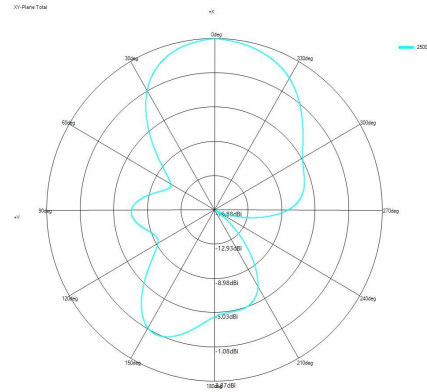
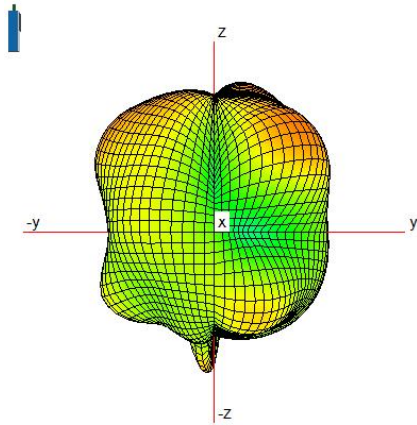
Antenna 2450Mhz



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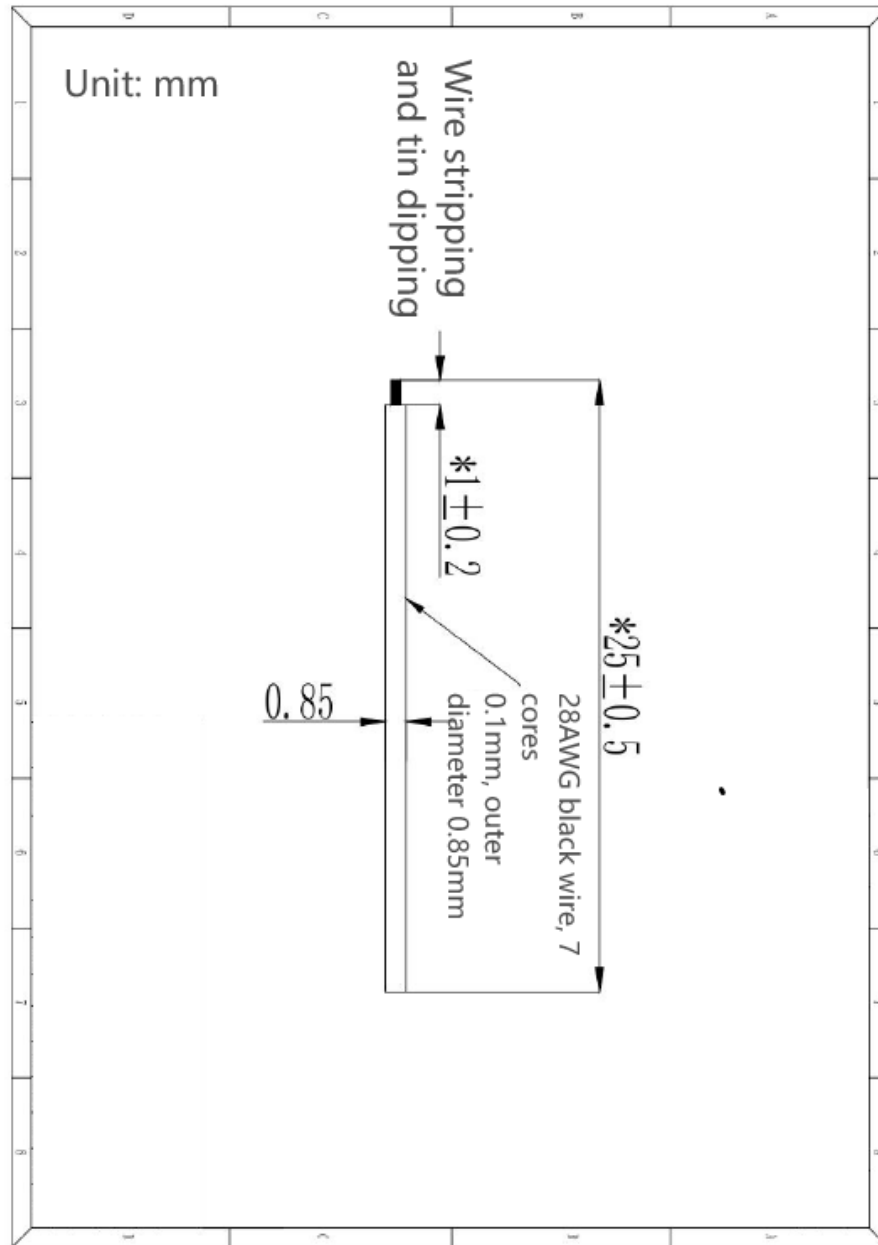
Antenna 2500Mhz



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## 六、engineering drawing



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