

# 承认书

SPECIFICATION FOR APPROVAL

**COMPANY NAME**

PRODUCT P/N

AAN24040301

PRODUCT NAME

|                          |
|--------------------------|
| Confirmed by The Company |
|                          |

# Directory

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Shenzhen Lianxin Electronic New Material Co.,  
Ltd.

3. 客户确认:

**CUSTOMER NAME**

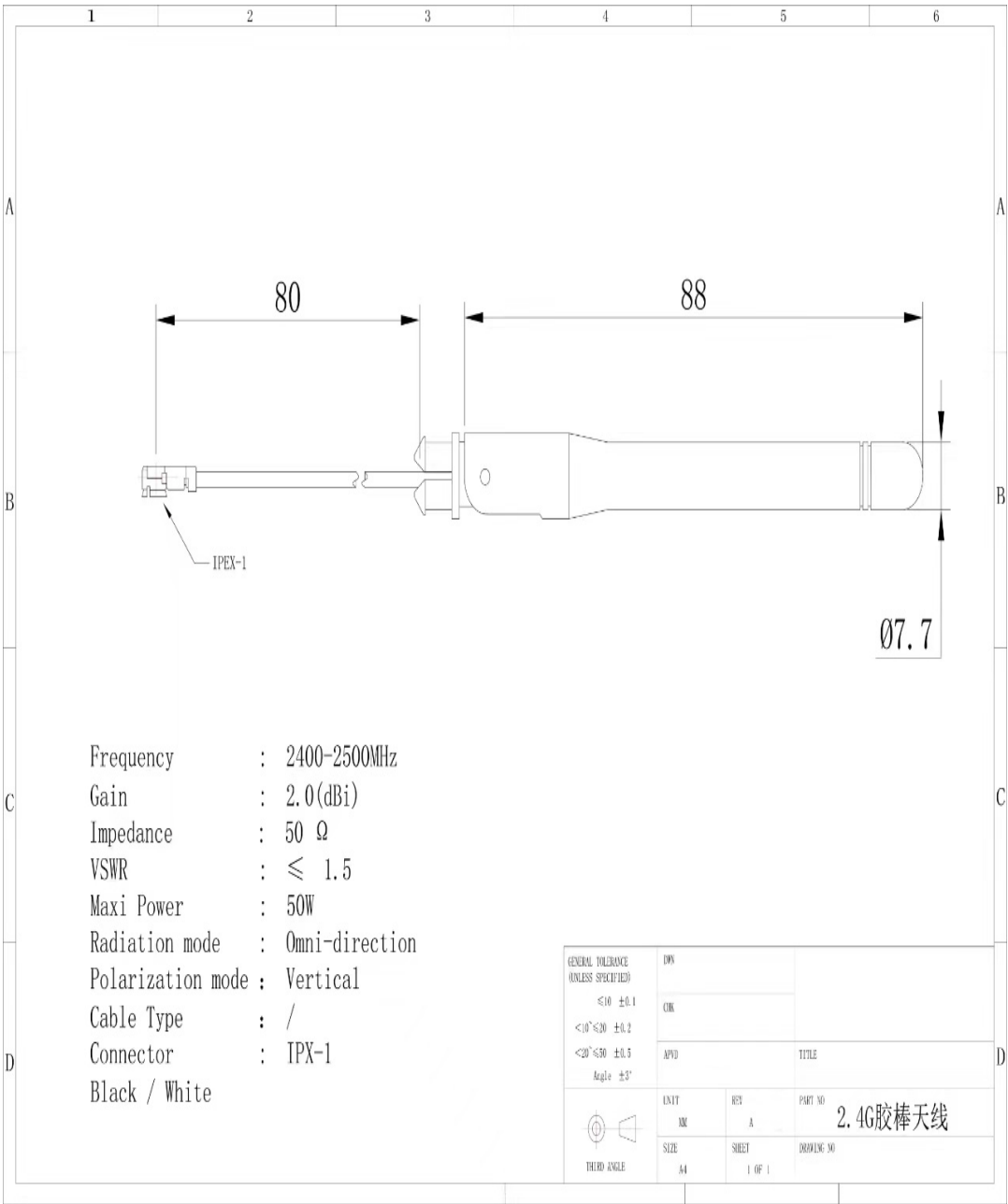
|                        |                                                                                                                                                               |                      |             |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------|
| Sample submission date | 2024-04-03                                                                                                                                                    | Product part number  | AAN24040301 |
| Customer Number        |                                                                                                                                                               | Customer part number |             |
| Product name           | 2.4G antenna                                                                                                                                                  |                      |             |
| Product specifications |                                                                                                                                                               |                      |             |
| annex                  | ■Product drawings                      ■Product RoHS<br>■performance testing                      ■Number of samples                                          |                      |             |
| documentation          | <input type="checkbox"/> CE <input type="checkbox"/> FCC <input checked="" type="checkbox"/> RoHS <input type="checkbox"/> 3C <input type="checkbox"/> Other: |                      |             |
| notes                  |                                                                                                                                                               |                      |             |

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4. Specification table:

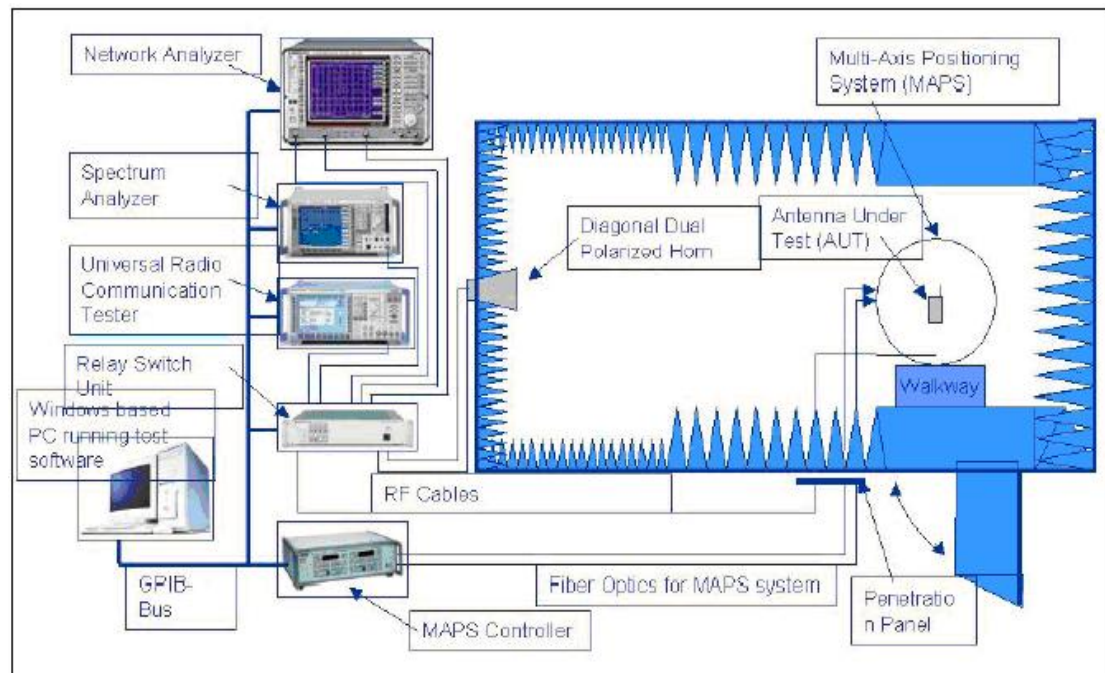
| 主要技术指标                |                  | Main technical specifications |                       |
|-----------------------|------------------|-------------------------------|-----------------------|
| 频率范围<br>(MHZ)         | 2400-<br>2500MHz | Frequency<br>Range<br>(MHZ)   | 2400-2500MHz          |
| 特性阻抗<br>(Ω)           | 50±<br>10        | Impedance (Ω)                 | 50±10                 |
| 峰值<br>增益<br>(d<br>Bi) | 2                | Peak<br>Gain (dBi)            | 2                     |
| 输出电压<br>驻波比           | ≤<br>1.92        | VSWR                          | ≤1.92                 |
| 最大功<br>率              | 10W              | Admitted<br>Power             | 10W                   |
| 极化方<br>式              | 垂直<br>极化         | Polarization                  | Li-<br>near, Vertical |
| 连接方<br>式              | SMA              | Connector<br>Type             | SMA                   |
| 物理性能                  |                  | Physical Properties           |                       |
| 天线本体材<br>料            | 铜<br>管           | Antenna Base                  | copper tube           |
| 工作温度                  | -20℃<br>~+65℃    | Operating<br>Temp             | -20℃~+65℃             |
| 保存湿度                  | -30℃<br>~+75℃    | Storage Temp                  | -30℃<br>~+75℃         |
| 天线长度                  | 190MM            | Antenna length                | 190MM                 |

5. Product Drawings



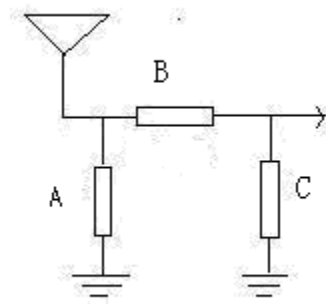
## 6. Test Report

### 6.1、 Principle diagram of microwave darkroom testing



## 2、 matching circuit

No matching circuit added.

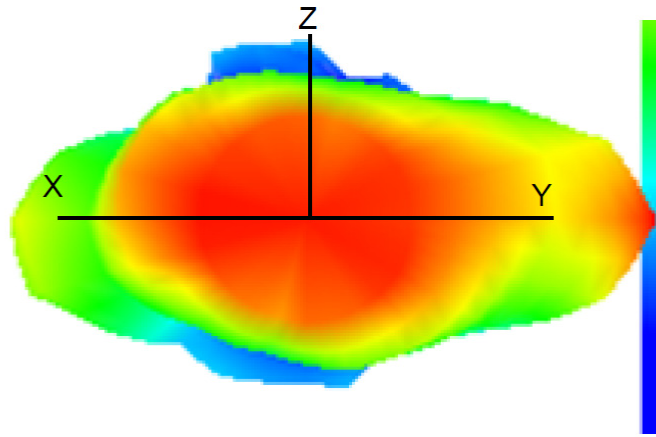


# Shenzhen Lianxin Electronic New Material Co., Ltd.

## 6.2、Actual environment S11 test results



#### 6.4、Antenna testing 3D diagram



### 7. Product Summary

According to current antenna data, the matched antenna exhibits good electrical performance