



东莞市艾微科技有限公司  
Dongguan ivy technology co.,LTD.

# 承 认 书

客 户 名 称: 微 网

客 户 项 目 名 称:

客 户 料 号: 51010348

物 料 名 称: 5.8G 5dBi 白色天线, 黑色 1.37mm 馈线 L=70mm 一代端子  
5.8G 5dBi white antenna, black 1.37mm feeder cable L=70mm

艾 微 料 号: VW01-W020045-DS

日 期: 2024-8-14

|              |                          |                       |
|--------------|--------------------------|-----------------------|
|              | MANUFACTURE<br>SIGNATURE | CUSTOMER<br>SIGNATURE |
| CHECKED BAY: | WJ                       |                       |
| AUDITOR BAY: |                          |                       |
| APPROVED BAY | JBM                      |                       |
| DATE:        | 2024-8-14                |                       |

Address: Room 303, Unit 2, Building 1, No.8 Keji Er Road, Songshanhu Park, Dongguan City,  
Guangdong Province, China



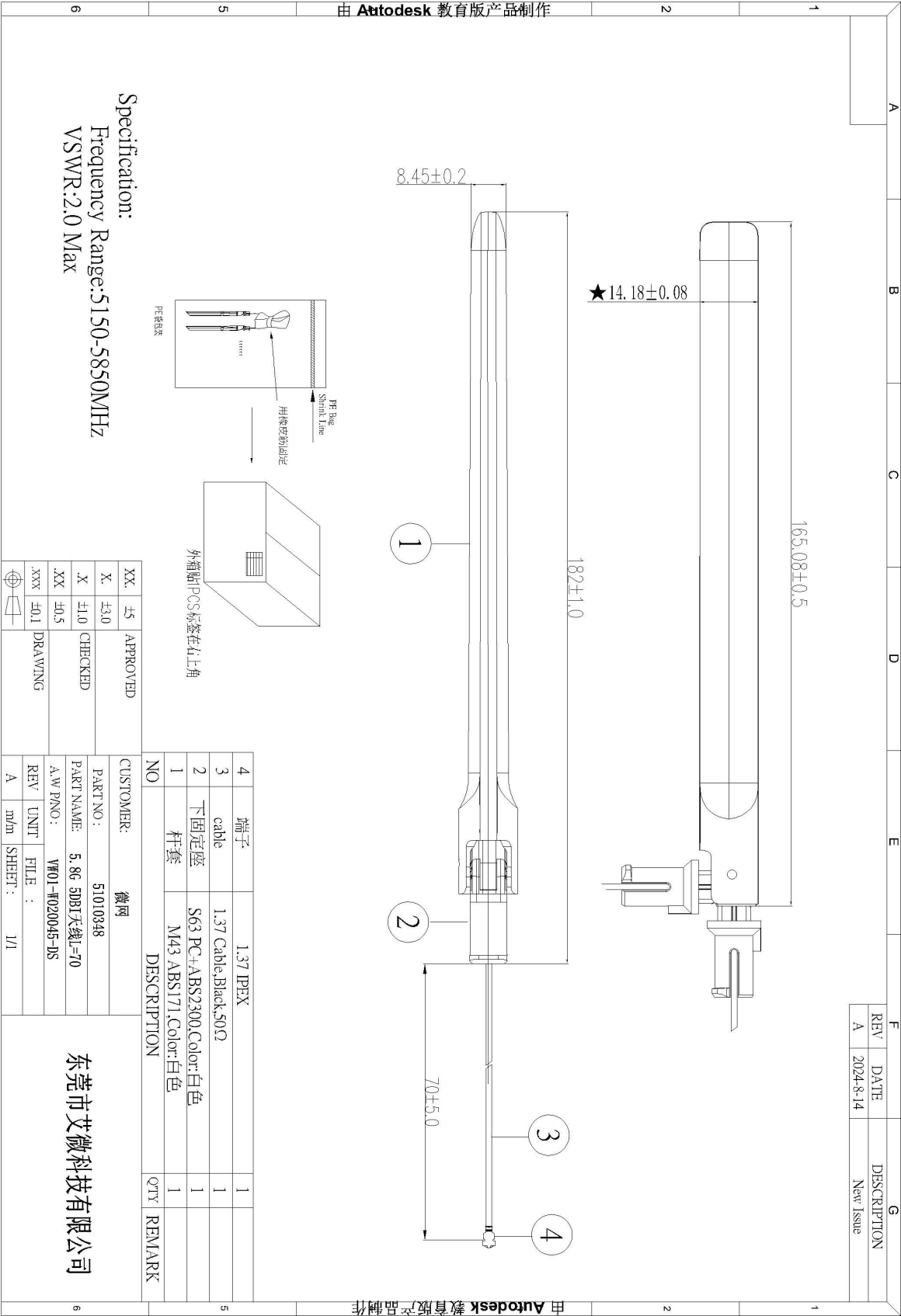
# 东莞市艾微科技有限公司

## Dongguan ivy technology co., LTD.

### 1、规格表:

| 主要技术指标           |             | Main technical specifications |                  |
|------------------|-------------|-------------------------------|------------------|
| 频率范围<br>(MHz)    | 5150~5850   | Frequency Range<br>(MHz)      | 5150~5850        |
| 特性阻抗( $\Omega$ ) | 50 $\pm$ 5  | Impedance( $\Omega$ )         | 50 $\pm$ 5       |
| 增益(dBi)          | 5 $\pm$ 0.5 | Peak Gain(dBi)                | 5 $\pm$ 0.5      |
| 输出电压<br>驻波比      | Max 2.0     | VSWR                          | Max 2.0          |
| 最大功率             | 2W          | Admitted Power                | 2W               |
| 极化方式             | 垂直极化        | Polarization                  | Linear Vertical  |
| 方向性              | 全向          | Radiation                     | Omni-directional |
| 连接方式             | 端子          | Connector Type                | MHF              |
| 物理性能             |             | Physical Properties           |                  |
| 天线線材             | 1.37 黑色     | Antenna cable                 | 1.37 Black Cable |
| 工作温度             | -40℃~+60℃   | Operating Temp                | -40℃~+60℃        |
| 保存温度             | -40℃~+60℃   | Storage Temp                  | -40℃~+60℃        |

5G 产品图

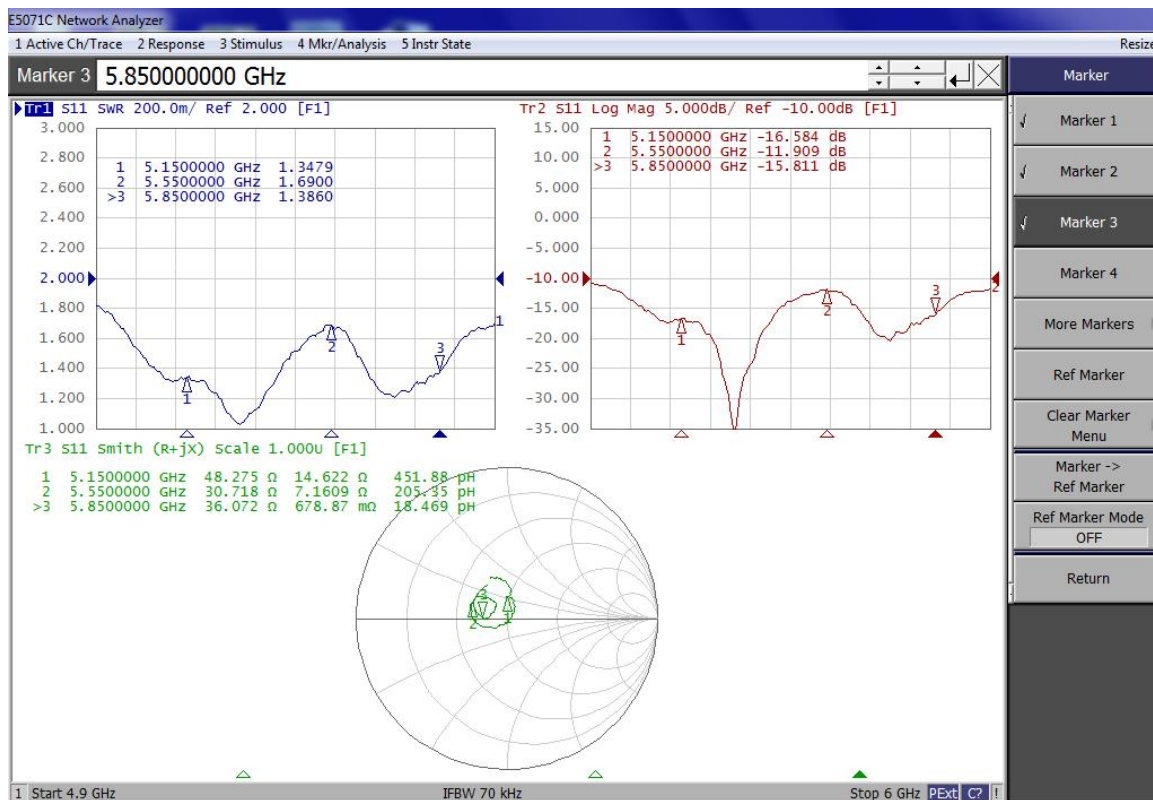


### 三、电测报告 Product Characteristics

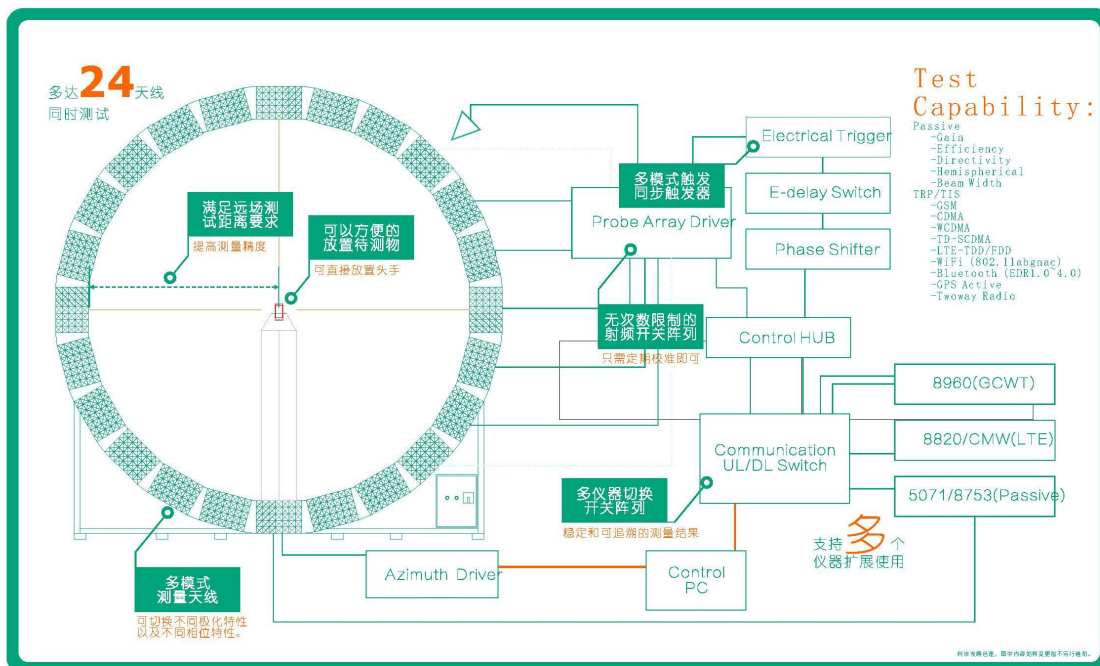
Agilent E5071C Network Analyzer



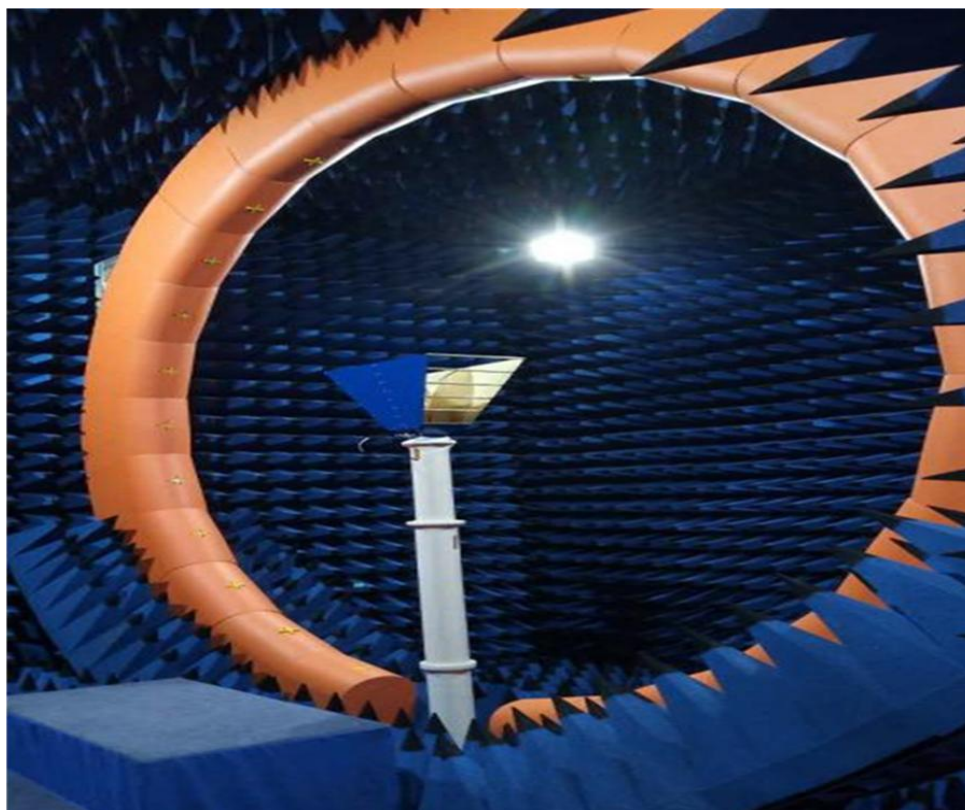
5150-5850MHz



## 测试原理框图：

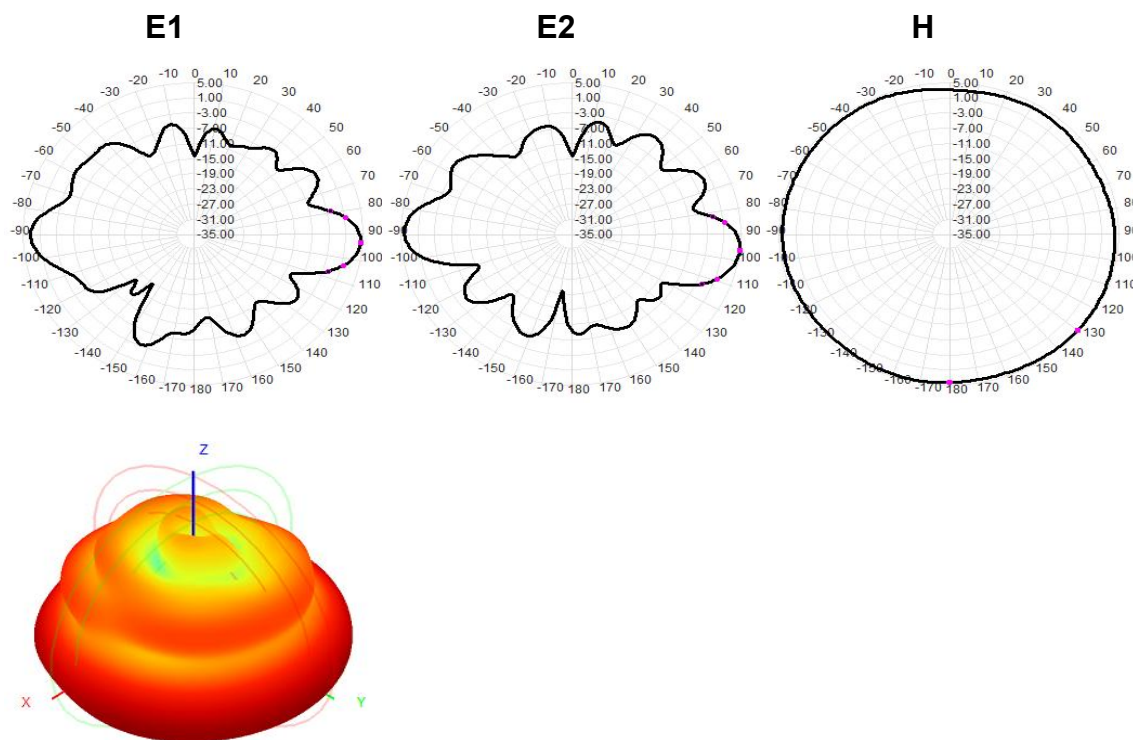


## 暗室内部图片：

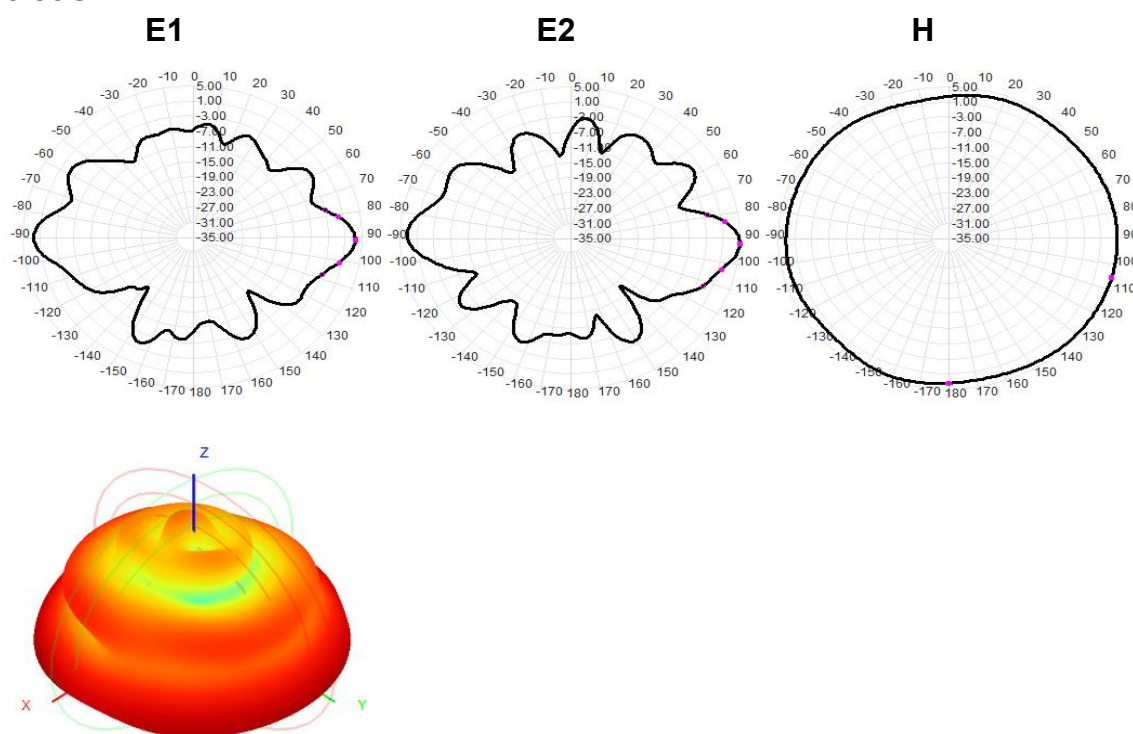


## 5.15~5.85GHz Radiation Pattern

### 5.15GHz

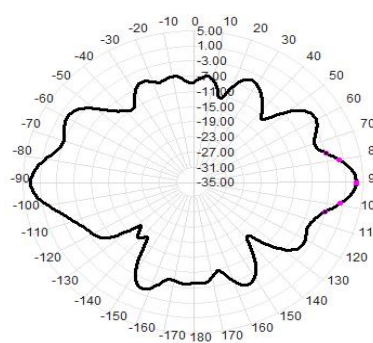


### 5.55GHz

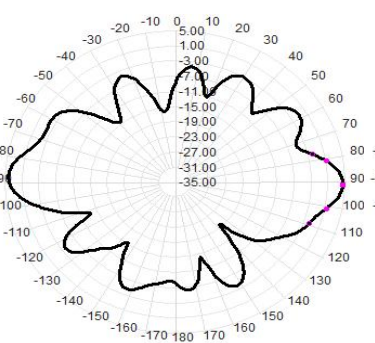


## 5.85 GHz

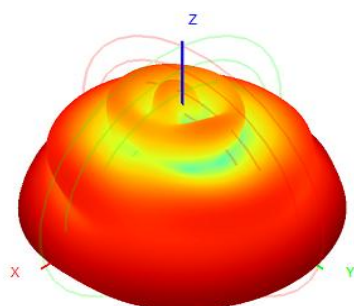
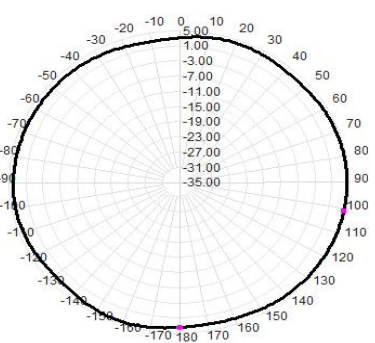
E1



E2



H



## VSWR

|      | 5150MHz | 5550MHz | 5850MHz |
|------|---------|---------|---------|
| VSWR | 1.34    | 1.69    | 1.38    |

## 3D Peak Gain & Efficiency

| Frequency | Antenna         |                |
|-----------|-----------------|----------------|
|           | Peak Gain (dBi) | Efficiency (%) |
| 5150MHz   | 4.85            | 73.9           |
| 5200MHz   | 4.94            | 74.3           |
| 5250MHz   | 5.02            | 73.8           |
| 5300MHz   | 5.17            | 76.1           |
| 5350MHz   | 4.98            | 73.5           |
| 5400MHz   | 5.09            | 74.6           |
| 5450MHz   | 5.12            | 76.4           |
| 5500MHz   | 4.99            | 72.7           |
| 5550MHz   | 4.98            | 74.9           |
| 5600MHz   | 4.76            | 75.5           |
| 5650MHz   | 4.89            | 74.3           |
| 5700MHz   | 4.85            | 73.2           |
| 5750MHz   | 4.96            | 73.7           |
| 5800MHz   | 4.93            | 73.6           |
| 5850MHz   | 4.79            | 74.9           |