# 承认书

客户名称：　　微　网

产品名称：　外置天线

规格型号：5.8G 5dbi　杆套白色/出线 RG137 黑色 100mm+IPEX

客户机型：

客户料号：51010130

本司料号：VW01-W020040

本司地址：东莞市松山湖园区科技二路 8 号一栋 2 单元 303 室　（中科创新广场 E 座）

送样日期：2023 年 5 月 25 日

本司确认：

| 检查 | 审核 | 批准 |
|---|---|---|
| 吴娟 | 徐志强 | 万以竞 |

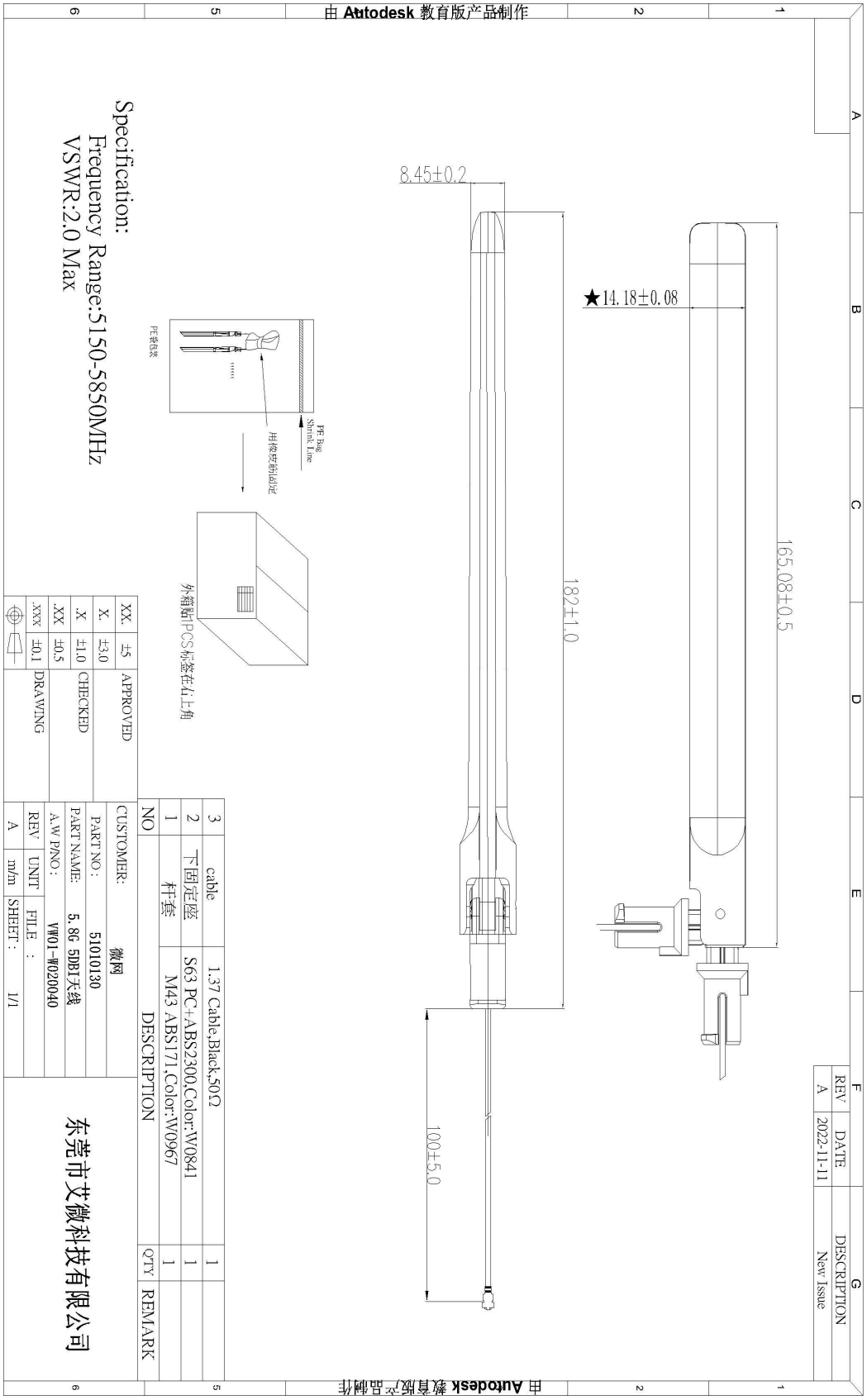
客户确认：

| 检查 | 审核 | 批准 |
|---|---|---|
| | | |

## 1、规格表：

| 主要技术指标 | | Main technical specifications | |
|---|---|---|---|
| 频率范围 (MHz) | 5150~5850 | Frequency Range (MHz) | 5150~5850 |
| 特性阻抗(Ω) | 50±5 | Impedance(Ω) | 50±5 |
| 增益(dBi) | 5±0.5 | Peak Gain(dBi) | 5±0.5 |
| 输出电压驻波比 | Max 2.0 | VSWR | Max 2.0 |
| 最大功率 | 2W | Admitted Power | 2W |
| 极化方式 | 线性极化 | 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

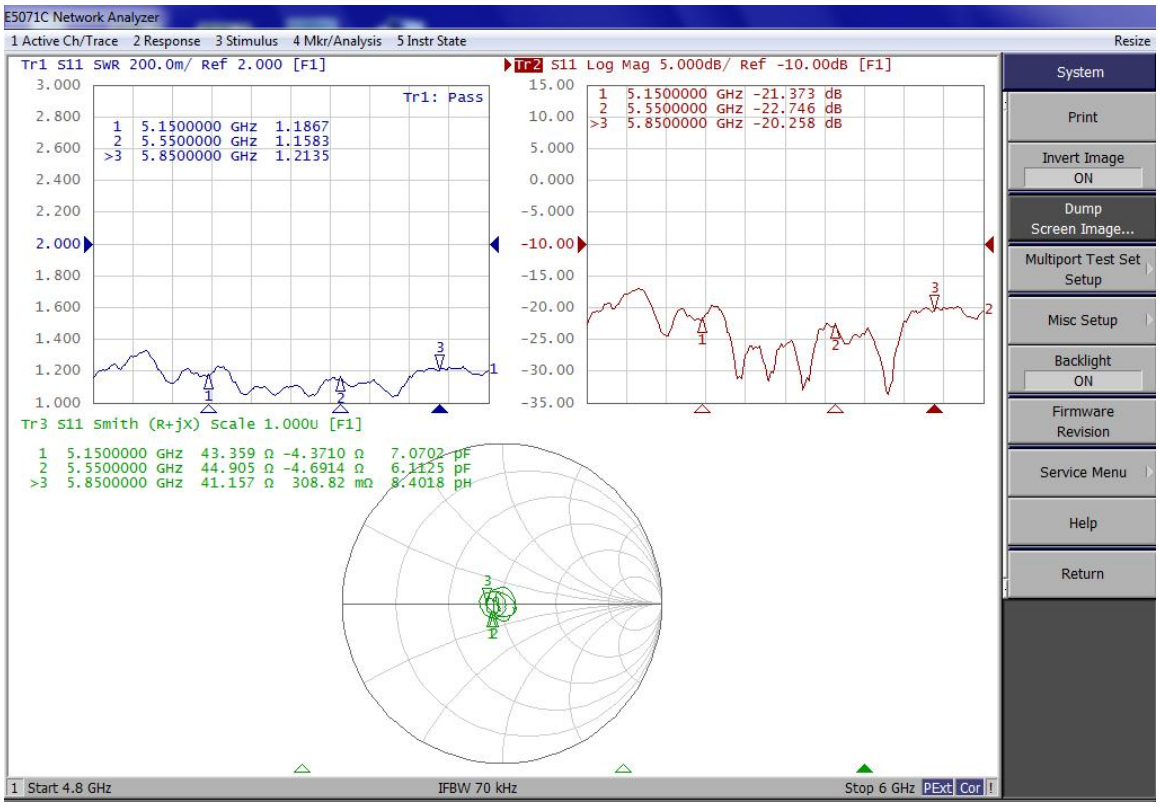



由 Autodesk 教育版产品制作

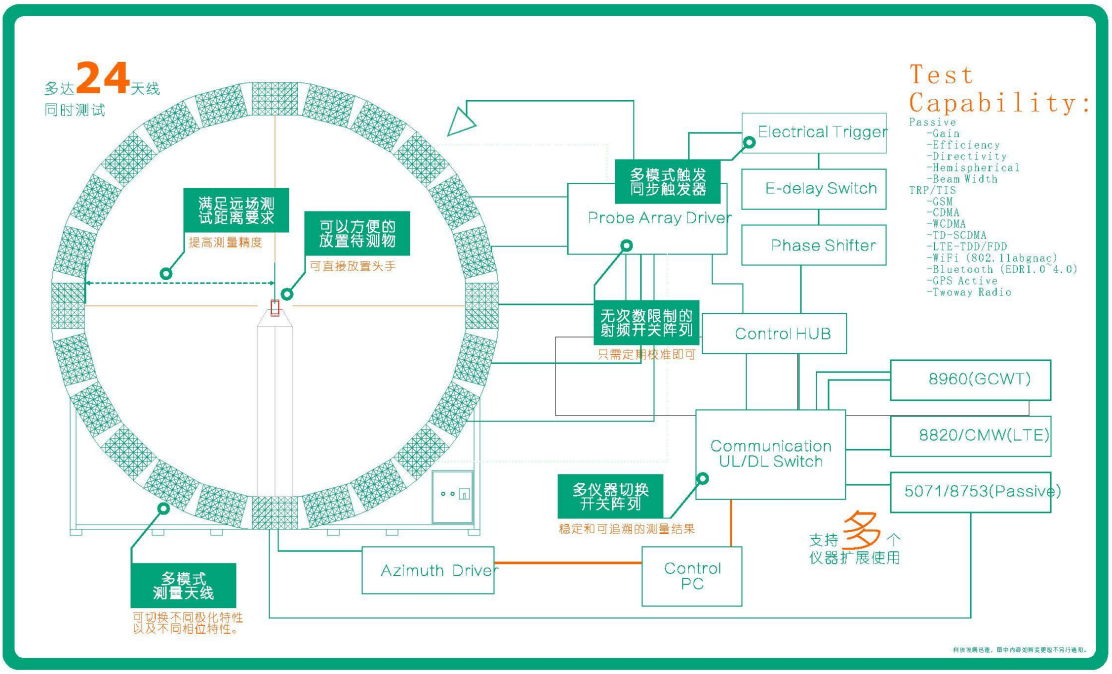
## 三、电测报告 Product Characteristics

| | |
|---|---|
| Agilent E5071C Network Analyzer | |

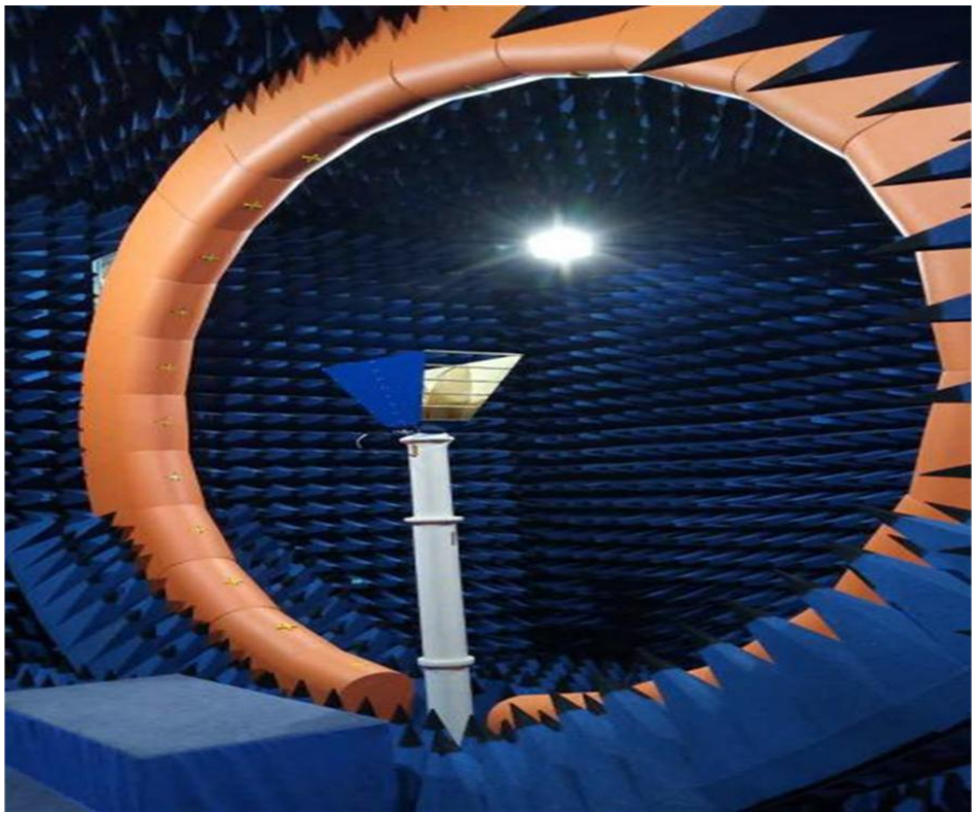
**5150-5850MHz**



# 测试原理框图：



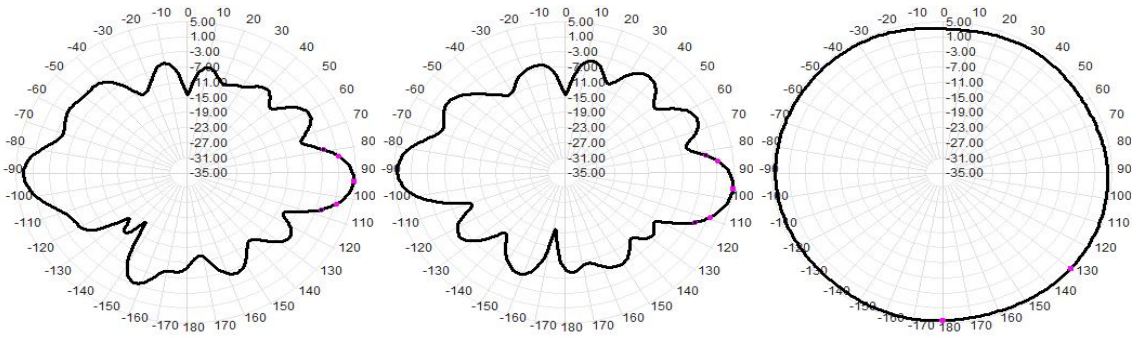

# 暗室内部图片：

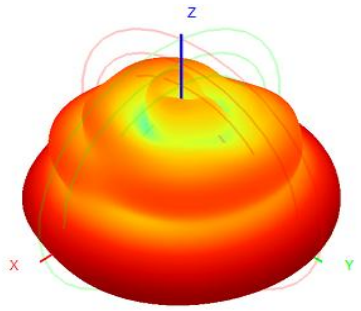


# 5.15~5.85GHz Radiation Pattern

**5.15GHz**

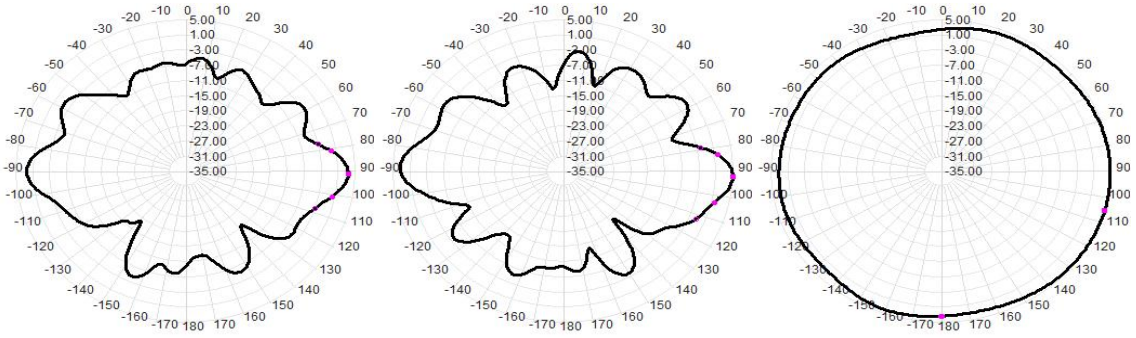
**E1** **E2** **H**

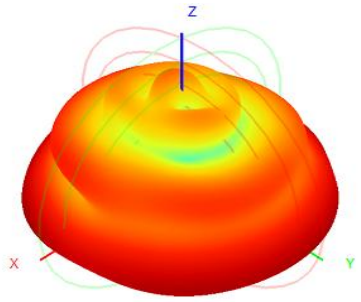





**5.55GHz**

**E1** **E2** **H**

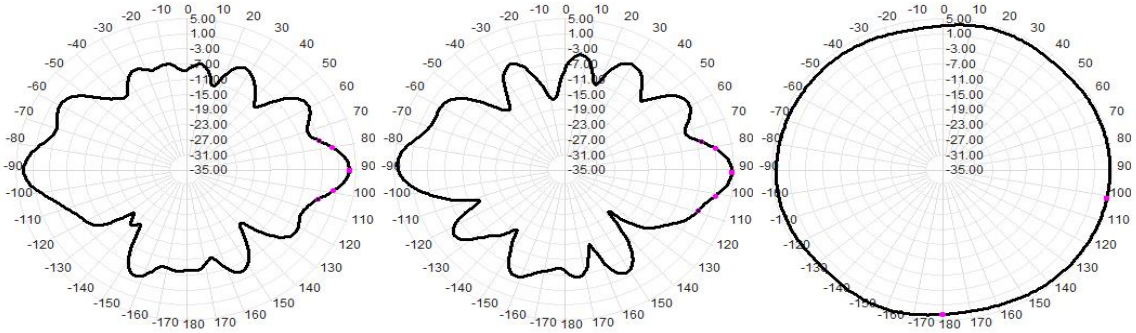


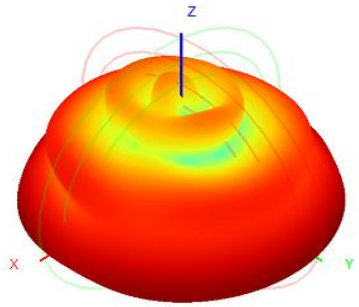


.

**5.85 GHz**

**E1** **E2** **H**



# VSWR

| | 5150MHz | 5550MHz | 5850MHz |
|---|---|---|---|
| **VSWR** | 1.18 | 1.15 | 1.21 |

# 3D Peak Gain & Efficiency

| Frequency | Antenna | |
|---|---|---|
| | Peak Gain (dBi) | Efficiency (%) |
| 5150MHz | 4.78 | 72.4 |
| 5200MHz | 4.96 | 73.7 |
| 5250MHz | 4.82 | 74.9 |
| 5300MHz | 4.88 | 72.2 |
| 5350MHz | 4.94 | 73.3 |
| 5400MHz | 5.02 | 71.4 |
| 5450MHz | 4.82 | 72.7 |
| 5500MHz | 4.87 | 74.1 |
| 5550MHz | 5.03 | 74.8 |
| 5600MHz | 4.96 | 72.3 |
| 5650MHz | 5.05 | 73.7 |
| 5700MHz | 4.98 | 71.3 |
| 5750MHz | 4.83 | 72.6 |
| 5800MHz | 4.92 | 74.7 |
| 5850MHz | 4.89 | 75.1 |