

# 天线规格承认书

## Antenna Specification for Approval

客户名称

Customer Name: Shenzhen Lixinhui Electronics Co., LTD

产品名称: \_

Product Name: The 2.4G antenna is 35mm in length and white

客户型号:

Product Name: \_\_\_\_\_

产品料号:

Part NO.: C10-35-2.5

制 表:

Write By: min zhou

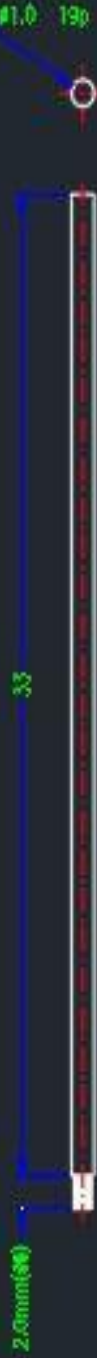
日 期:

Issued Date: 2019-08-05

|            |                 |                |
|------------|-----------------|----------------|
| 工程R&D Dept | 采购Business Dept | 承认 Approved By |
|            |                 |                |

|            |                  |             |
|------------|------------------|-------------|
| 研发R&D Dept | 工程 Engineer Dept | 审核 Approval |
|            |                  |             |

| 姓名 | 职务 | 审核内容 | 签字 | 日期 |
|----|----|------|----|----|
|    |    |      |    |    |
|    |    |      |    |    |
|    |    |      |    |    |



比例: 1mm 白色微线

# 利信辉电子技术有限公司

注意: 1. 标注公差为默认尺寸, 未标注公差均按±0.15。

|                     |                 |             |                 |                        |
|---------------------|-----------------|-------------|-----------------|------------------------|
| PART TITLE<br>零件名称: | MATERIAL<br>材料: | UNIT<br>单位: | SCALE<br>比例:    | VER.<br>版本:            |
| PART NO.<br>零件编号:   | DESIGN<br>制图:   | DATE<br>日期: | CHG/2000<br>审核: | 01                     |
|                     |                 |             |                 | SUPPLIER CHG<br>供应商签名: |

# Product Specification

## A. Electrical Characteristics

**Frequency** 2400MHz ~2500MHz

**VSWR** <3.0

**Efficiency** >30%

**Impedance** 50 Ohm

**Polarization** Line

**Antenna Gain** 0.17dBi

## B. Material & Mechanical Characteristics

**Material of Radiator** Cu

**Cable Type** 1.0 19P

**Connector Type** : NO

**Dimension**

## C. Environmental

**Operation Temperature** - 30 °C ~ + 80 °C

**Storage Temperature** - 30 °C ~ + 85 °C

**Manufacturer:** Shenzhen Lixinhui Electronics Co., LTD

**Address:** No. 3027, Shennan Middle Road, Futian District, Shenzhen City, Guangdong Province

# Test Equipment & Conditions

## 1. Network Analyzers :

Agilent 8753D 5071B

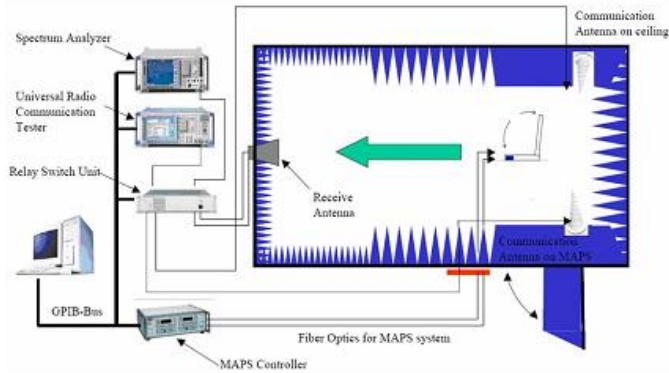
## 2. Communications Test Set:

Agilent E5515C

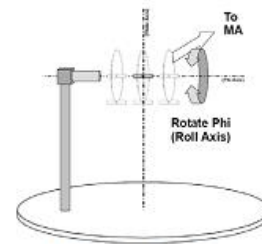
## 3. 3D Chamber Test System

## 4. Type of Antenna: Integral Antenna

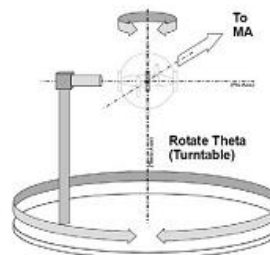
## Efficiency & Gain



(Testing by 3D anechoic chamber)



Phi axis test

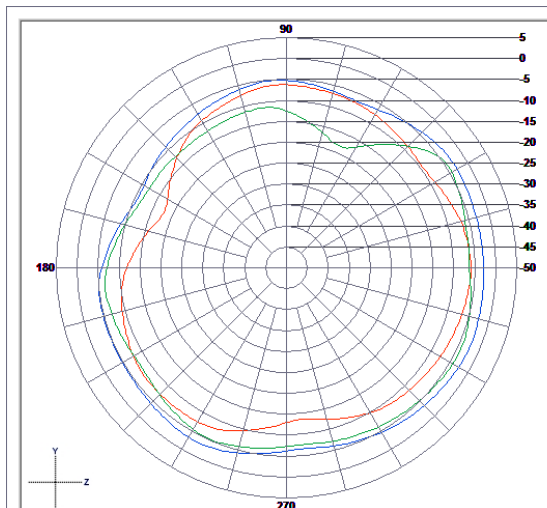


Theta axis test

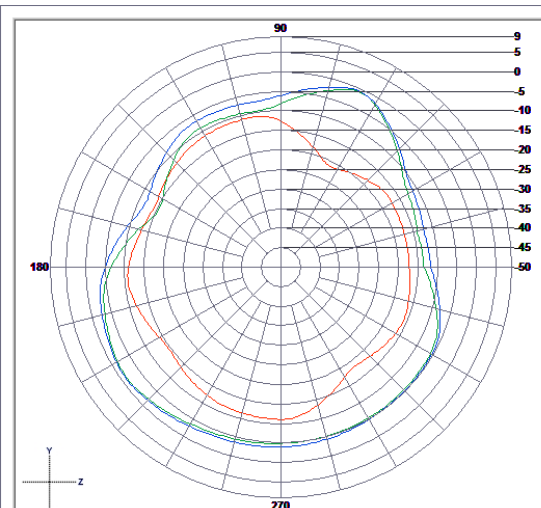
## Efficiency & Gain

|       |       |
|-------|-------|
| 2.40  | -2.17 |
| 2.440 | 0.12  |
| 2.48  | 0.17  |

## Radiation Pattern:



|           | Vertical | Horizontal | Total |
|-----------|----------|------------|-------|
| Avg. Gain | -8.4     | -6.99      | -4.63 |
| Peak Gain | -5.48    | -3.77      | -2.17 |



|           | Vertical | Horizontal | Total |
|-----------|----------|------------|-------|
| Avg. Gain | -13.34   | -5.06      | -4.46 |
| Peak Gain | -10.3    | 0.09       | 0.12  |

