

# 天线规格承认书

## Antenna Specification for Approval

客户名称

SHENZHEN QINGWEI DIGITAL ELECTRIC

Customer Name: APPLIANCE CO., LTD

产品名称: \_

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

客户型号:

Product Name: Q W 7 6

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 |
|            |                  |             |

Address: 3/f, Building 6, Zone B, Dongwangyang Industrial Zone, Huangtian, Hangcheng Street, Bao An District, Shenzhen, China



# 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**

**D. Type of Antenna : Integral  
Antenna**

**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

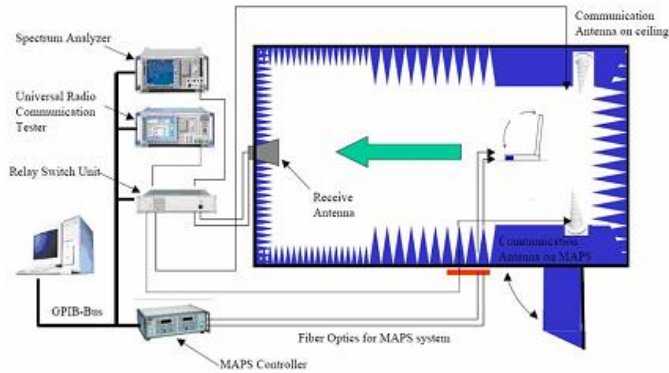
## 2. Communications Test Set:

Agilent E5515C

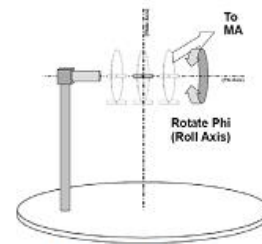
## 3. 3D Chamber Test System

## 4. Type of Antenna: Integral Antenna

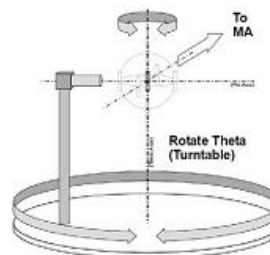
## Efficiency & Gain



(Testing by 3D anechoic chamber)



Phi axis test

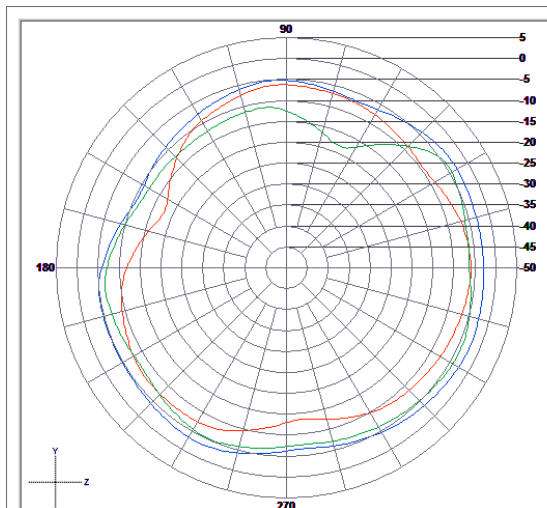


Theta axis test

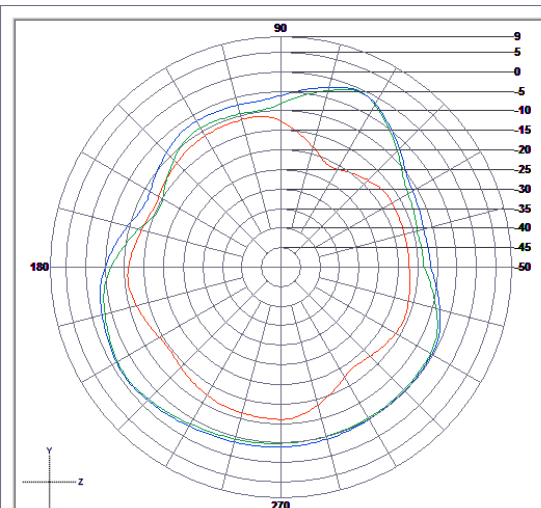
## Efficiency & Gain

|       |       |
|-------|-------|
| 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  |

