

# Antenna Specification for Approval

Customer Name: Fuwei

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Product Name: 2.4G antenna

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

Part NO.: C1.0-30-3

Write By: Zhou Min

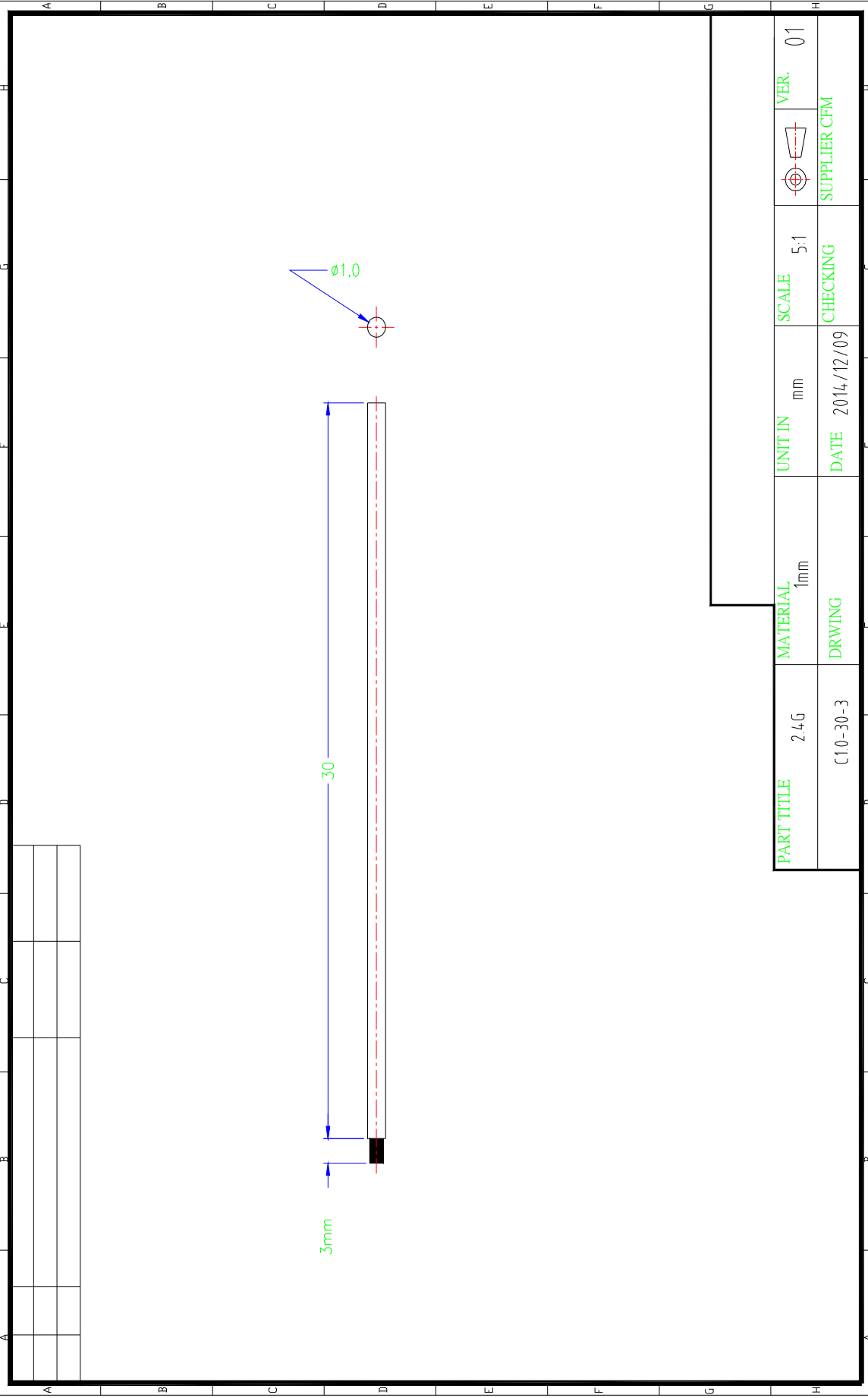
Issued Date: 2015-12-8

## Customer:

| R&D Dept | Business Dept | Approved By |
|----------|---------------|-------------|
|          |               |             |

Li Xin Hui

| R&D Dept | Engineer Dept | Approval |
|----------|---------------|----------|
|          |               |          |



|                   |          |                 |     |                |            |                 |     |                     |             |    |
|-------------------|----------|-----------------|-----|----------------|------------|-----------------|-----|---------------------|-------------|----|
| <b>PART TITLE</b> | 2.4G     | <b>MATERIAL</b> | 1mm | <b>UNIT IN</b> | mm         | <b>SCALE</b>    | 5:1 |                     | <b>VER.</b> | 01 |
|                   | C10-30-3 | <b>DRAWING</b>  |     | <b>DATE</b>    | 2014/12/09 | <b>CHECKING</b> |     | <b>SUPPLIER CFM</b> |             |    |

# Product Specification

## A. Electrical Characteristics

**Frequency 2400MHz ~2500MHz**

**VSWR <1.0**

**Efficiency >50%**

**Impedance 50 Ohm**

**Polarization Line**

**Gain 0dBi**

## B. Material & Mechanical Characteristics

**Material of Radiator Cu**

**Cable Type 1.13**

**Connector Type : NO**

**Dimension**

## C. Environmental

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

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

## Test Equipment & Conditions

### 1. Network Analyzers :

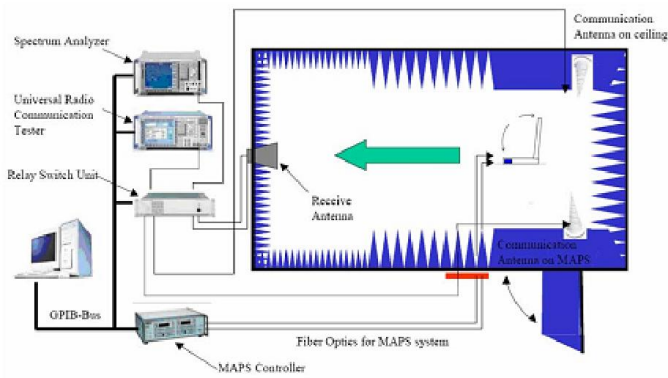
Agilent 8753D 5071B

### 2. Communications Test Set:

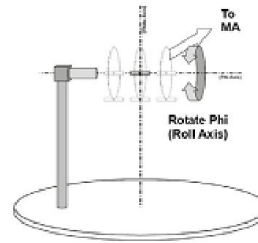
Agilent E5515C

### 3. 3D Chamber Test System

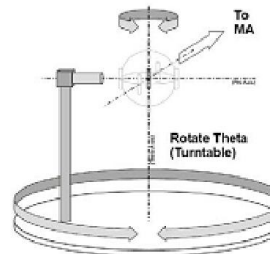
## Efficiency & Gain



(Testing by 3D anechoic chamber)



Phi axis test



Theta axis test

## Efficiency & Gain

|       |           |
|-------|-----------|
| 2.40  | -0.01 dBi |
| 2.440 | 0.12 dBi  |
| 2.48  | 0.17 dBi  |

## Radiation Pattern:

