

## Antenna Specification for Approval

Product Name: 2.4G antenna with a total length of 33mm

Product Name: 30T

Write By: Cindy Allen

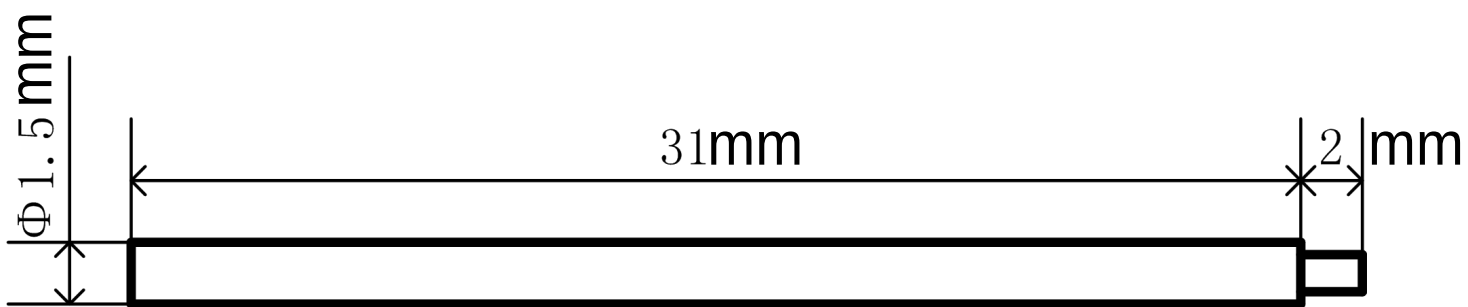
Part NO. : C10-35-2.5

Issued Date: 2022-3-3

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

Manufacturers: Dongzhen Electronics Factory, Longhu District, Shantou City

Address: No. 2, Lane 1, Upper Section, Jinfeng North Street, Jinfeng Neighborhood  
Committee, Xinjin Street, Longhu District, Shantou City



# Product Specification

## A. Electrical Characteristics

**Frequency 2400MHz ~2500MHz**

**VSWR <3.0**

**Efficiency >30%**

**Impedance 50**

**Ohm Polarization**

**Line Gain 0DBi**

## 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**

# Test Equipment & Conditions

## 1. Network Analyzers :

Agilent 8753D 5071B

## 2. Communications Test Set:

Agilent E5515C

## 3. 3D Chamber Test System

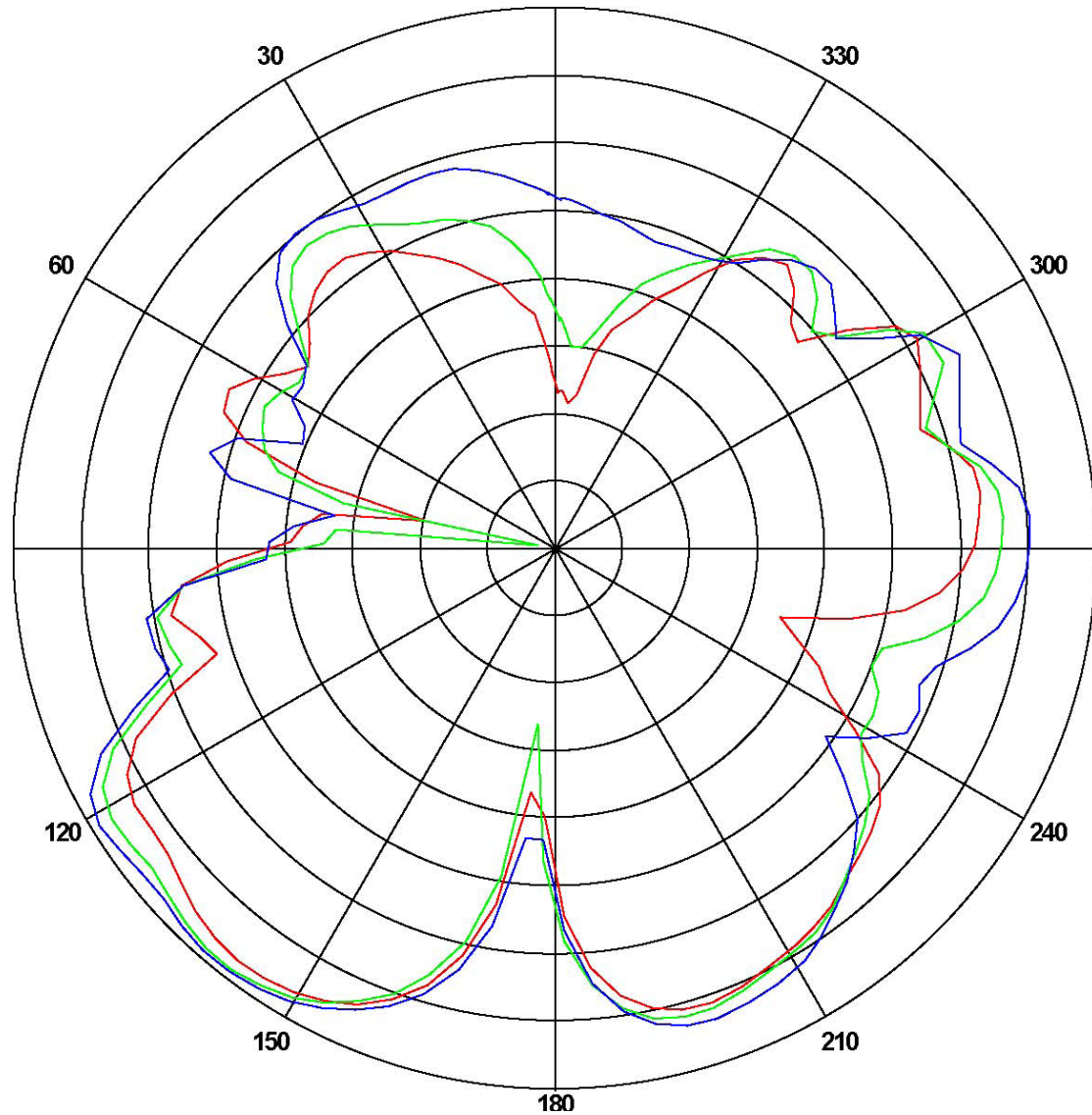
### ***Efficiency& Gain***

|         |           |
|---------|-----------|
| 2400MHz | -1.26174  |
| 2450MHz | -0.765802 |
| 2500MHz | 0.000000  |

Horizontal: 2400 MHz 2450 MHz 2500 MHz

Power (dBm)

Max: 0 Min: -40 Scale: 5/div

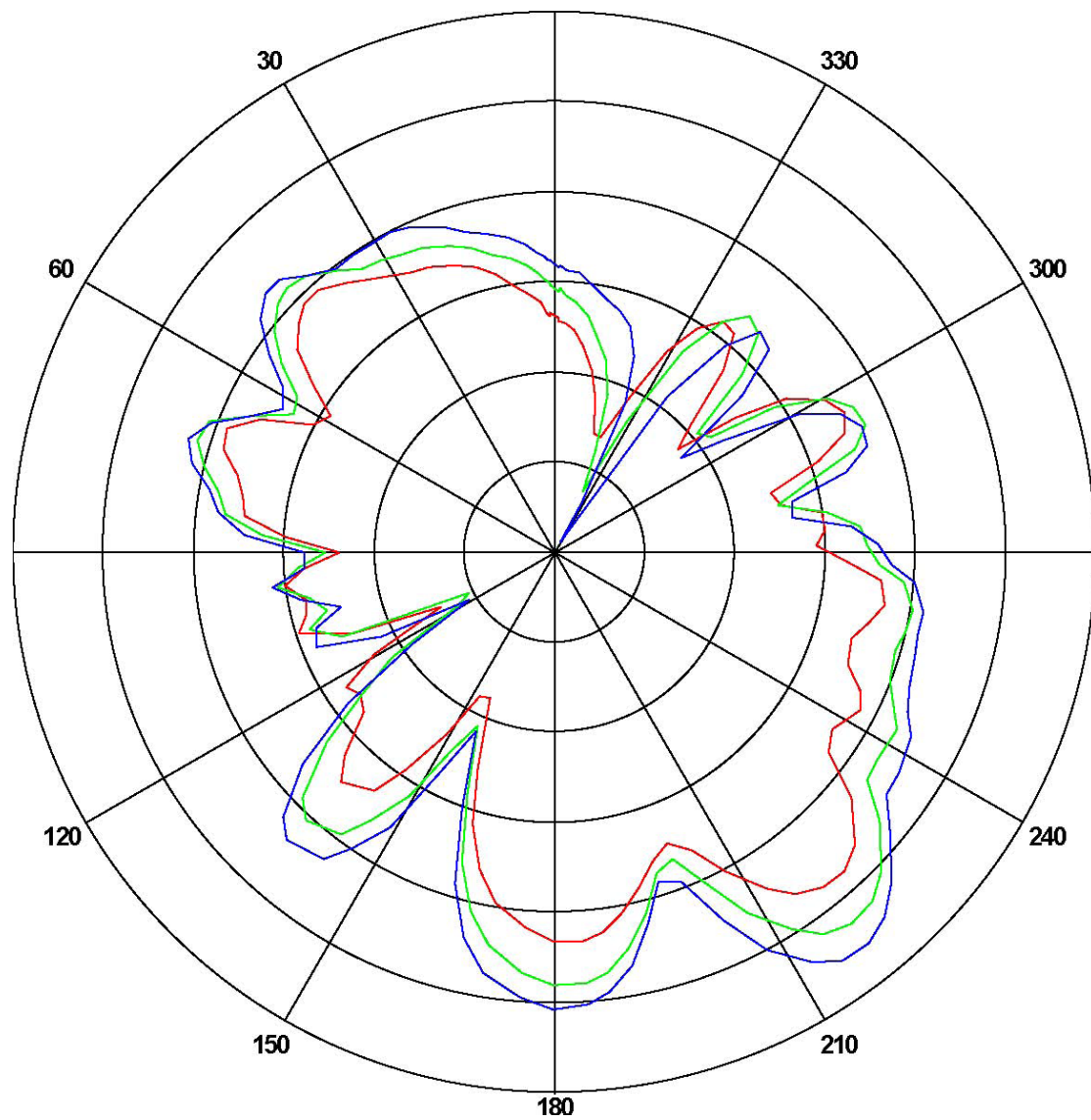


| Frequency<br>(MHz) | Gain(dBi) |          |          |
|--------------------|-----------|----------|----------|
|                    | Max       | Min      | Avg      |
| 2400               | -1.26174  | -30.0801 | -7.18716 |
| 2450               | -0.765802 | -36.5604 | -7.48023 |
| 2500               | 0.0000000 | -22.0315 | -6.59127 |

Vertical: 2400 MHz 2450 MHz 2500 MHz

Power (dBm)

Max: 0 Min: -30 Scale: 5/div



| Frequency<br>(MHz) | Gain(dBi) |          |          |
|--------------------|-----------|----------|----------|
|                    | Max       | Min      | Avg      |
| 2400               | -4.2537   | -22.1424 | -12.4294 |
| 2450               | -1.4652   | -24.5837 | -10.4702 |
| 2500               | -0.86120  | -29.5214 | -9.20432 |