

# Antenna Specification for Approval

Product Name: 2.4G antenna 40mm white

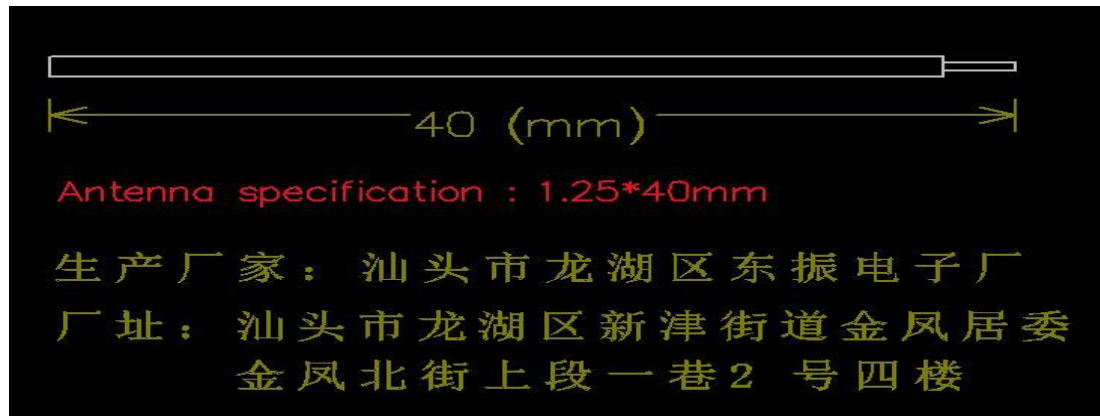
Part NO.:C10-35-2.5

Issued Date: FEB-15-2023

**Manufacturer:** Dongzhen Electronics Co., Ltd

**Address of Manufacturer:** 4th Floor, No. 2, Jinfeng North Street, Jinfeng Neighborhood Committee, Xinjin Street, Longhu District, Shantou City

## Product Specification



### A. Electrical Characteristics

**Frequency** 2405MHz ~2480MHz

**VSWR** <3.0

**Efficiency** >30%

**Impedance** 50 Ohm

**Polarization Line**

**Gain** 0.17DBi

### B. Material & Mechanical Characteristics

**Material of Radiator** Cu

**Cable Type** 1.0 12P white

**Connector Type** : NO

**Dimension**

### C. Environmental

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

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

# Test Equipment & Conditions

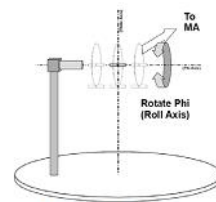
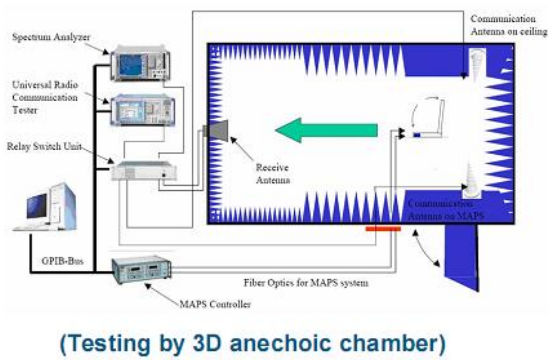
## 1. Network Analyzers :

Agilent 8753D 5071B

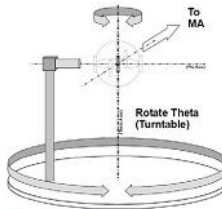
## 2. Communications Test Set:

Agilent E5515C

## 3. 3D Chamber Test System



Phi axis test



Theta axis test

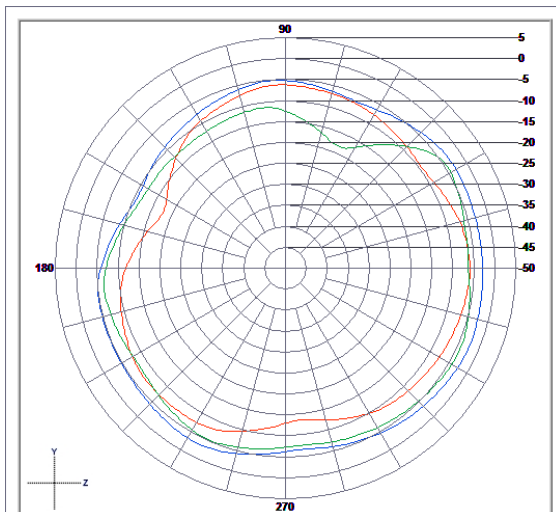
## Efficiency & Gain

2.40      -2.17

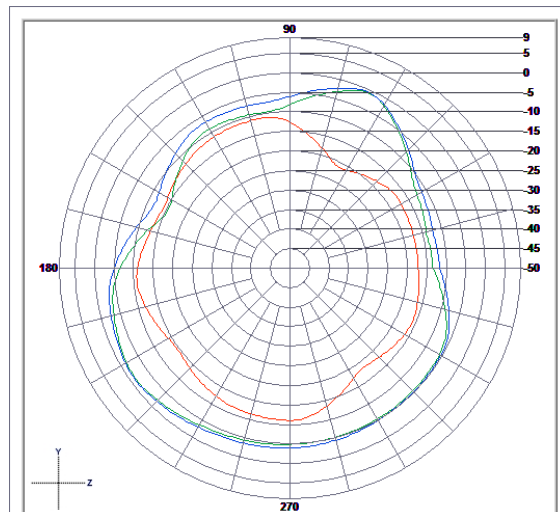
2.440     0.12

2.48      0.17

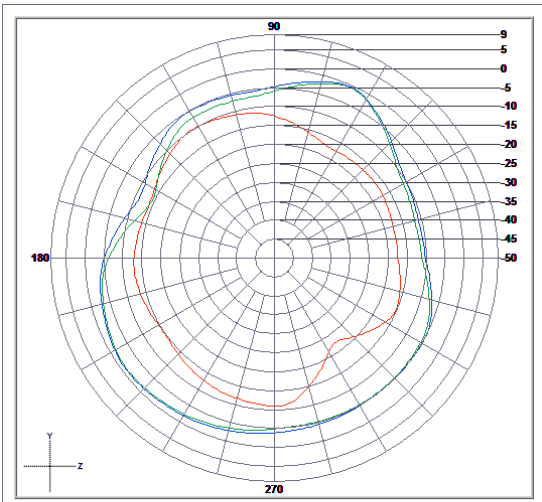
## Radiation Pattern:



	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



	Vertical	Horizontal	Total
Avg. Gain	-13.42	-4.6	-4.06
Peak Gain	-9.47	0.1	0.17

