

# Antenna Specification for Approval

Manufac: HAOLIN TOYS FACTORY

Product Name: 2.4G antenna PCB antenna

Product Name:

Part NO. : C10-35-2.5

Write By:

Issued Date: FEB-15-2023

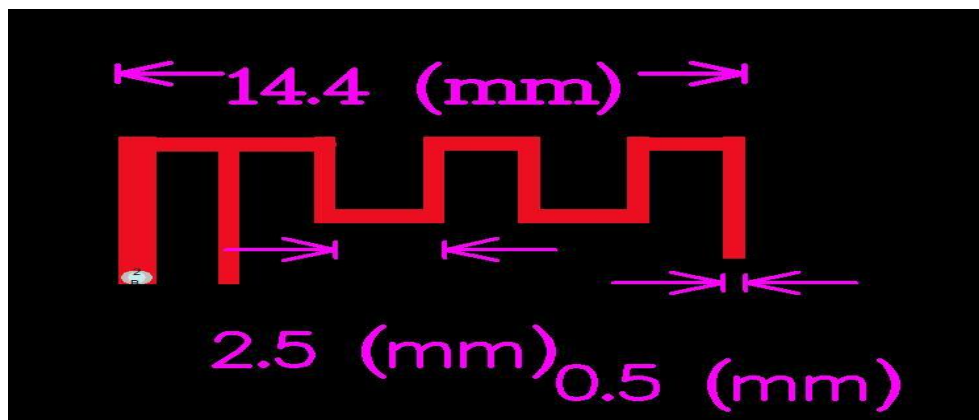
**Customer:**

R&D Dept	Business Dept	Approved By

LXH

R&D Dept	Engineer Dept	Approval

PCB antenna



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**

**Connector Type : NO**

**Dimension**

C. Environmental

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

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

## **Test Equipment & Conditions**

### **1. Network Analyzers :**

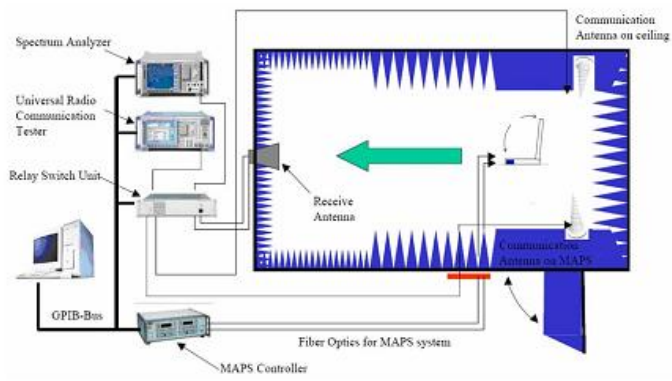
Agilent 8753D 5071B

### **2. Communications Test Set:**

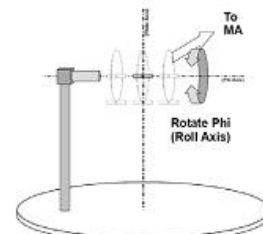
Agilent E5515C

### **3. 3D Chamber Test System**

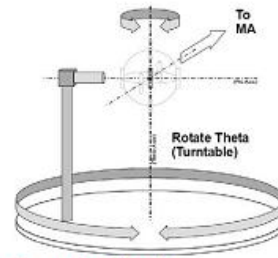
## **Effiency &Gain**



(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:

