

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

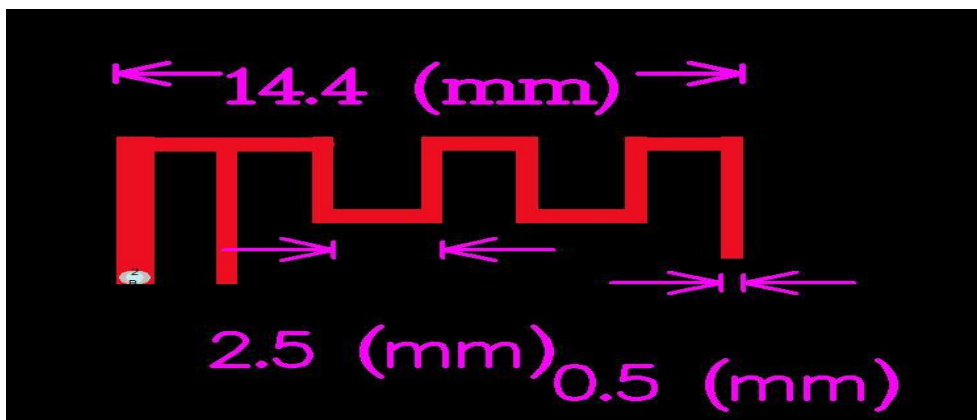
Customer:

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 :

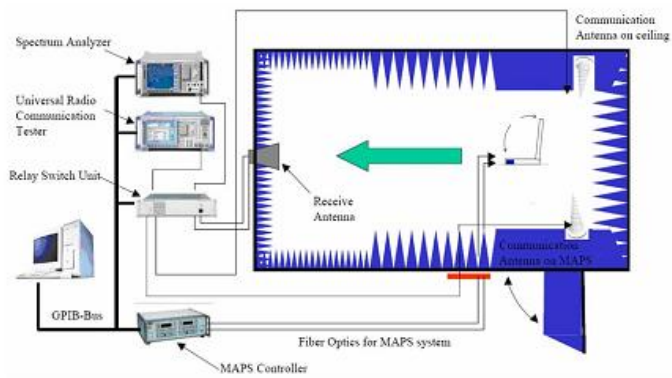
Agilent 8753D 5071B

2. Communications Test Set:

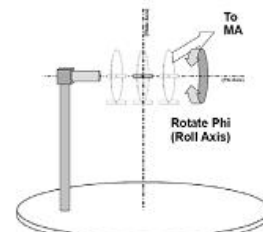
Agilent E5515C

3. 3D Chamber Test System

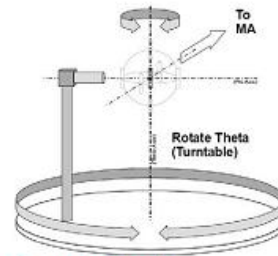
Effiency &Gain



(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:

