

Antenna Specification for Approval

Customer Name: Jinjiang Anhui Hengli Plastic Electronic

Wire Factory

Address: No. 4, Anping Xingyuan Road, Anhai Town, Jinjiang
City, Quanzhou City, Fujian Province

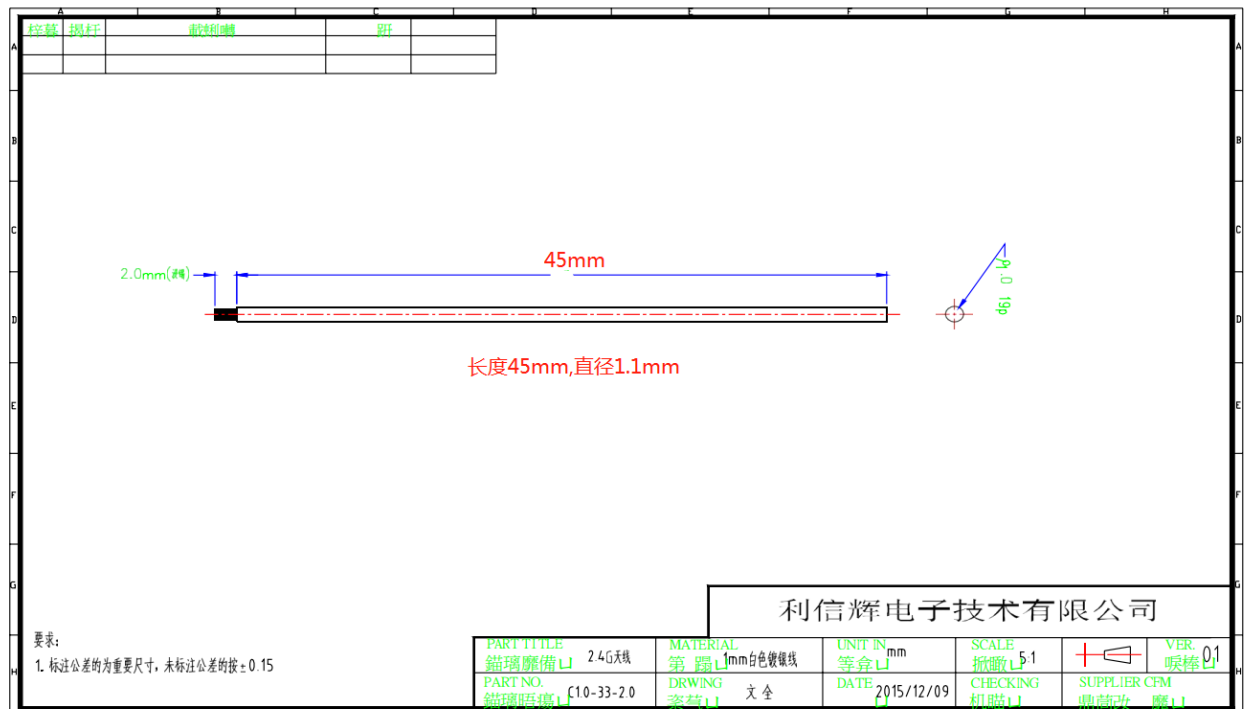
Product Name: 2.4G antenna, 45mm long, white

Product Name: 3.5cm single head

Part NO.: C45-1.1

Write By: Zhou Xiaomin

Issued Date: 2019-7-20



Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <3.0

Efficiency >50%

Impedance 50 Ohm

Polarization Line

Gain 0.17DBi

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.13 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 :

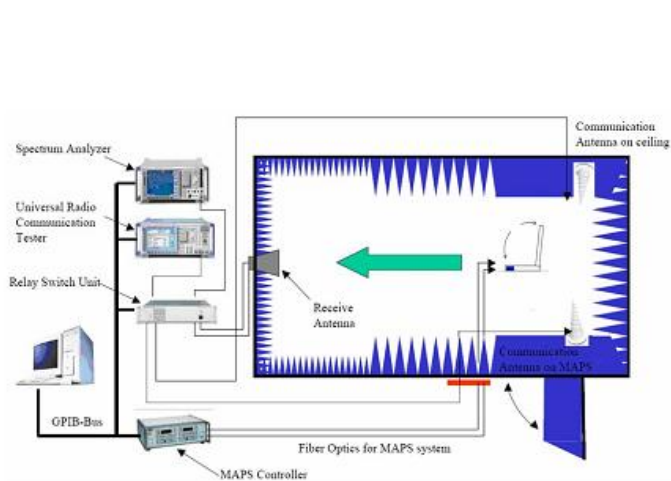
Agilent 8753D 5071B

2. Communications Test Set:

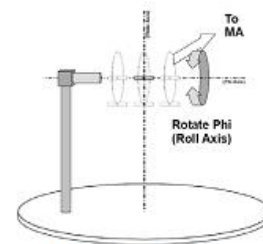
Agilent E5515C

3. 3D Chamber Test System

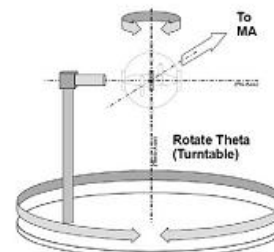
Efficiency & Gain



(Testing by 3D anechoic chamber)



Phi axis test



Theta axis test

Efficiency & Gain

2.40	-0.01
2.440	0.12
2.48	0.17

Radiation Pattern:

