

钱海琳电子科技有限公司

Qian Hailin Electronic Technology

天线规格承认书

Antenna Specification for Approval

Customer Name: Xinyu

Product Name: 2.4G Antenna Full length 40mm white

Antenna Type: Wire Antenna

Part NO.: 17-0.10-1.6

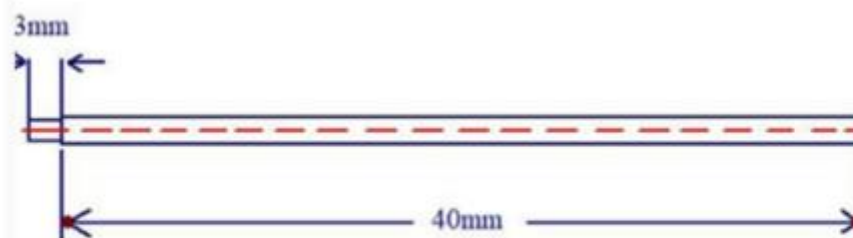
Write By: Wang

Issued Date: 2025.05.18

R&D Dept	Business Dept	Approved By

Qian Hailin Electronic Technology

R&D Dept	Engineer Dept	Approval



线材: 1.6mm白色铜线

Note: The 2.4G antenna specification is a 17-core 0.10-core electronic wire

with an outer diameter of 1.6MM, white in color, 40MM in length, and the wire ends are stripped

Tin 3MM. Comply with environmental protection standards: EU EN71(19E), ROHS, PAHS, 6P~16P, European and American CPSIA HR4040.

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 白色

Connector Type : NO

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

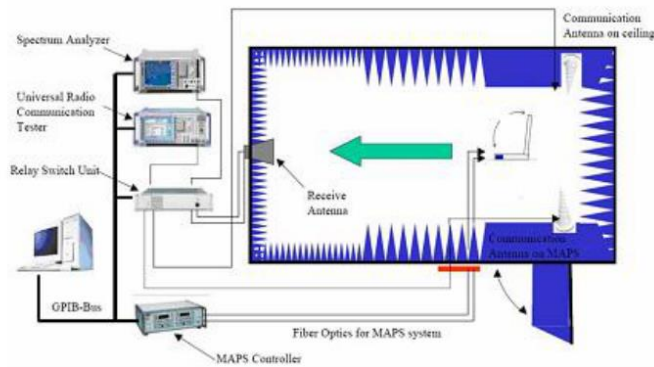
1. Network Analyzers :

Agilent 8753D 5071B

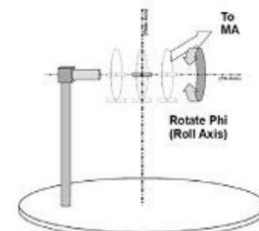
2. Communications Test Set:

Agilent E5515C

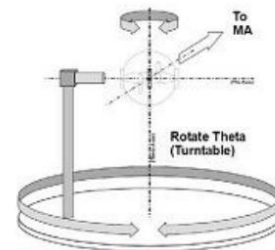
3. 3D Chamber Test System Efficiency & Gain



(Testing by 3D anechoic chamber)



Phi axis test



Theta axis test

Efficiency & Gain

2.40 -0.00
2.440 -0.11
2.48 -0.13

Radiation Pattern:

