

Dongguan Lixinwei Electronics Co., Ltd

Antenna Specification for Approval

Customer Name: 德 新 成

Address:

Product Name: 2.4G antenna length 70

Part NO.: C12-70-2

Write By: Zhou Min

Issued Date: 2024-7-12

Customer:

R&D Dept	Business Dept	Approved By

Supplier

R&D Dept	Engineer Dept	Approval
Ni Sheng	Zhang Ming	xiong

[illegible]

Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <3.0

Efficiency >30%

Impedance 50 Ohm

Polarization Line

Gain: 0.51dBi

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type: 1.2 black

Connector Type : NO

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

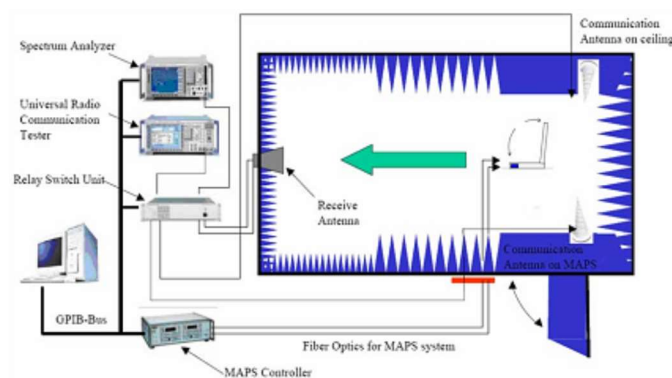
1. Network Analyzers :

Agilent 8753D 5071B

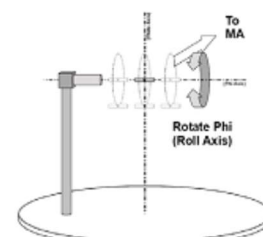
2. Communications Test Set:

Agilent E5515C

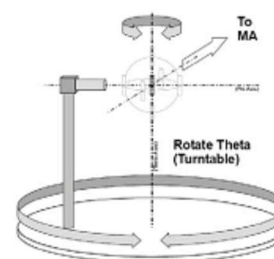
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



Phi axis test



Theta axis test

Peak Gain & Efficiency

2.40 GHZ	0.43 dBi	22.6%
2.440 GHZ	0.51 dBi	25.7%
2.48 GHZ	0.39 dBi	20.4 %

Radiation Pattern:

