

Dongguan Lixinwei Electronics Co., Ltd

Antenna Specification for Approval

Address: 1st Floor, No. 79 Tonggu 3rd Street, Xiancun, Dalang Town, Dongguan City, Guangdong Province

Customer Name: _____

Address: _____

Product Name: _____ 2.4GHz built-in antenna _____

Part NO. : _____ C14-36-3 _____

Write By: _____ Zhou Min _____

Issued Date: _____ 2024-6-25 _____

Customer:

R&D Dept	Business Dept	Approved By

Supplier

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

Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <3.0

Efficiency >30%

Impedance 50 Ohm

Polarization Line

Gain: 0.58dBi

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type: 1.4 black

Connector Type : NO

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

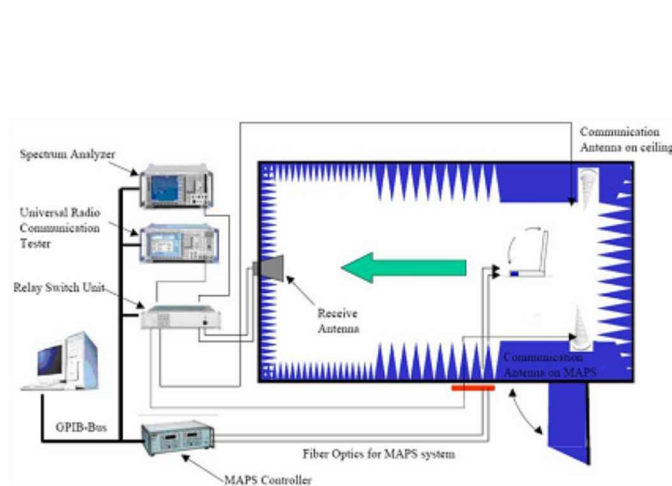
1. Network Analyzers :

Agilent 8753D 5071B

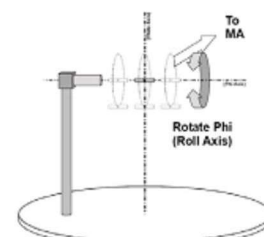
2. Communications Test Set:

Agilent E5515C

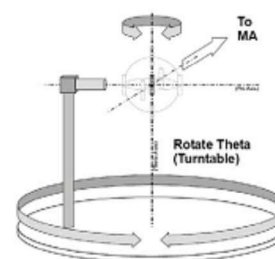
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



Phi axis test



Theta axis test

Peak Gain & Efficiency

2.40GHZ	0.41 dBi	26.5%
2.440 GHZ	0.58 dBi	29.7%
2.48 GHZ	0.51 dBi	29.1 %

Radiation Pattern:

