

Dongguan Lixinwei Electronics Co., Ltd

Room 202, 2nd Floor, Area D, Fuhui Chuangyuan, Dongjiang Road, Helu Village,
Huangjiang Town, Dongguan, Guangdong, China

Antenna Specification for Approval

Customer Name: _____

Address: _____

Product Name: _____ 2.4G PCB antenna

Part NO. : _____ C113H-IPEXLXW01-70

Write By: _____ Zhou Min

Issued Date: _____ 2025-4-8

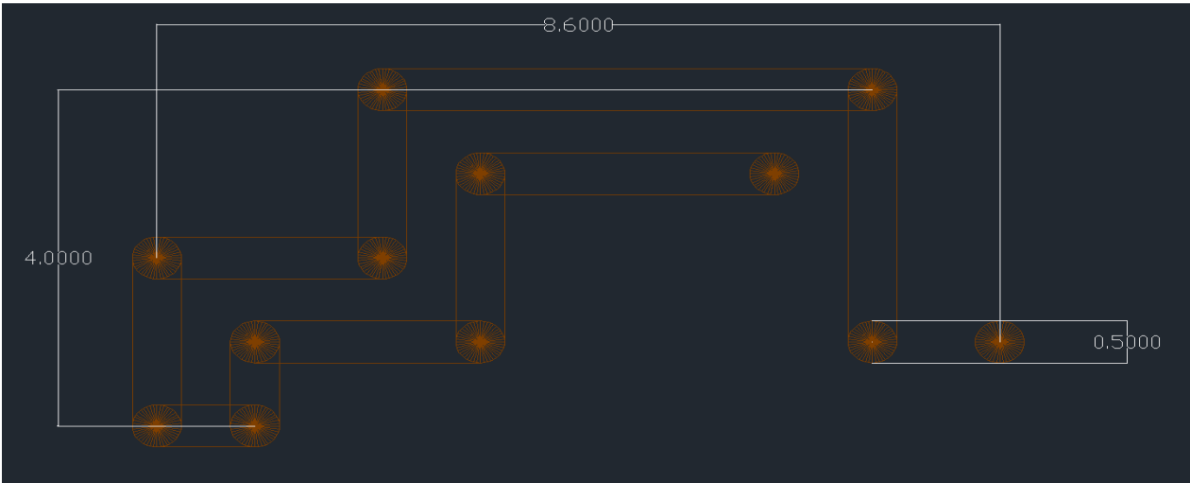
Customer:

R&D Dept	Business Dept	Approved By

Supplier

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

Antenna size



Product Specification

A. Electrical Characteristics

Frequency: 2400MHz ~2500MHz

VSWR: <2.0

Efficiency: >46%

Impedance: 50 Ohm

Polarization Line Monopole

Gain: 1.09DBi

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type: 1.13MM

Connector Type : IPEX1

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

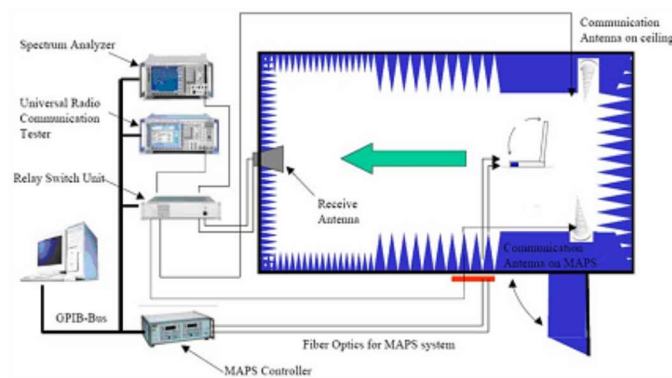
1. Network Analyzers :

Agilent 8753D 5071B

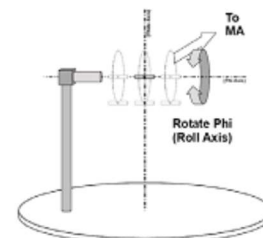
2. Communications Test Set:

Agilent E5515C

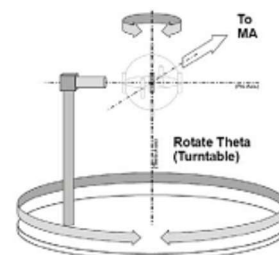
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



Phi axis test

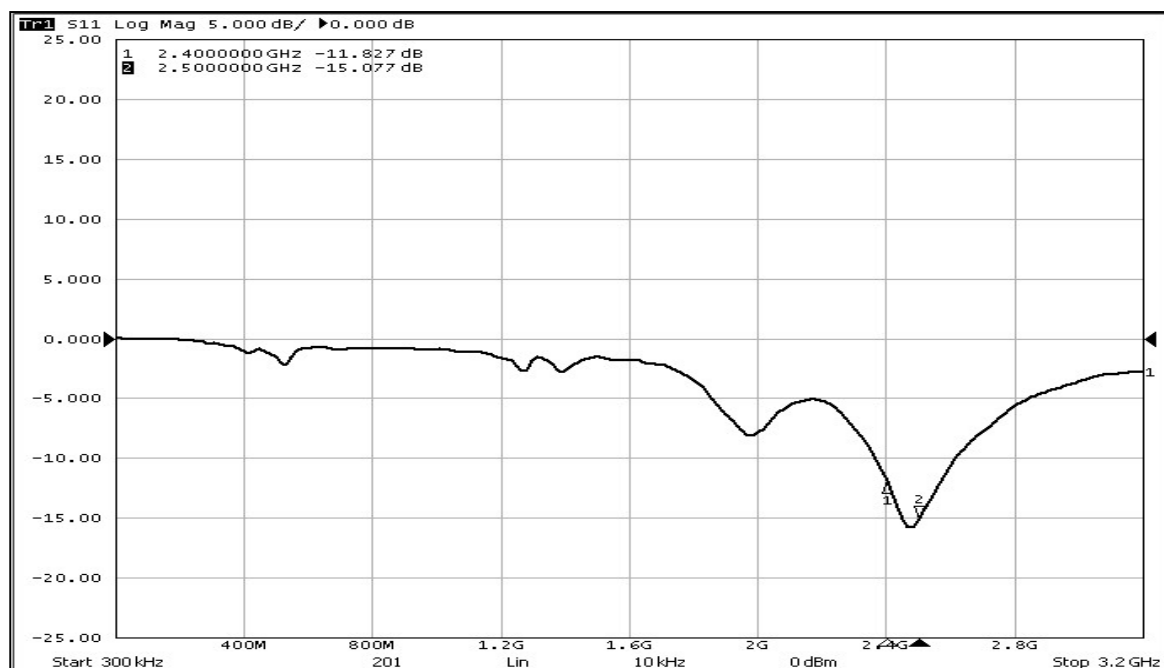


Theta axis test

Efficiency:

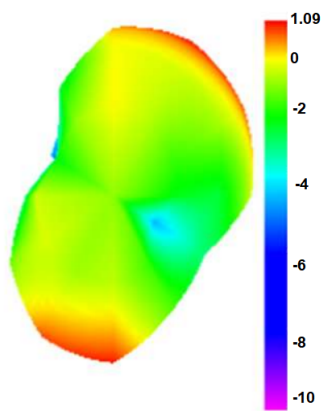
Fre (MHz)	Eff (%) (dB)	Gain (dB)
2400	45.54	1.09
2410	45.32	1.03
2420	44.28	1.02
2430	43.41	1.08
2440	43.37	1.08
2450	42.41	1.09
2460	42.28	1.03
2470	43.37	1.03
2480	43.46	0.84
2490	43.33	0.61
2500	43.18	0.58

S11

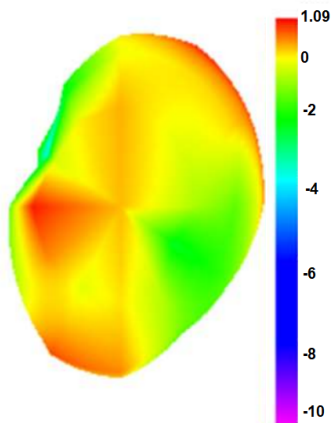


Radiation Pattern:

2400.000MHz



2450.000MHz



2500.000MHz

