

Antenna Specification for Approval

Manufacturer : Dongzhen Electronics Factory, Longhu District, Shantou City

Company address: Building 2, Upper Lane 1, Jinfeng North Street, Jinfeng Neighborhood Committee, Xinjin Street, Longhu District, Shantou City

Customer Name: _____

Product Name: 2.4G antenna

PRODUCT MODEL: 19PIN*0.12*1.4PVC

Write By: Mr. zhou

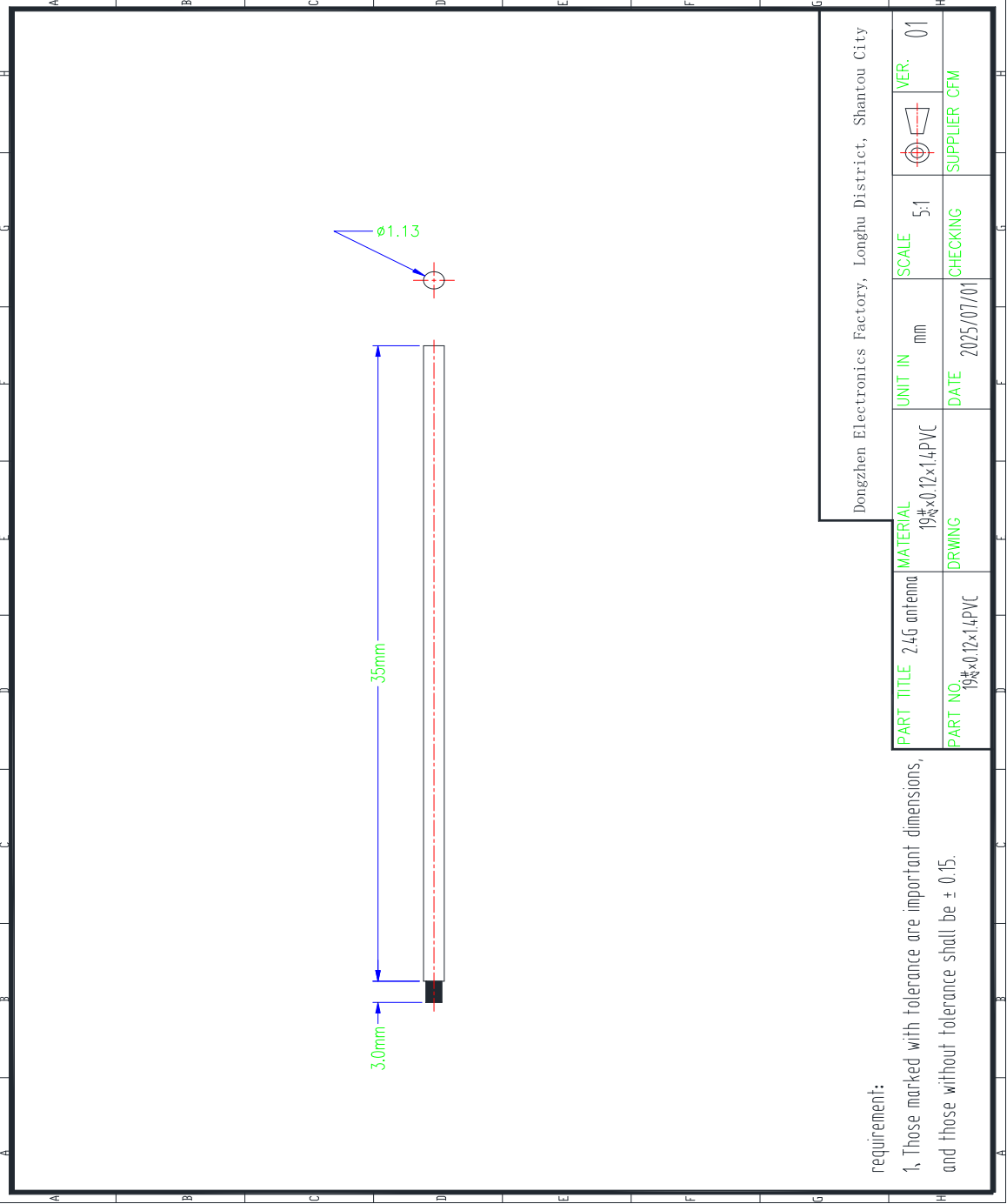
Issued Date: 2025-7-2

customer :

R&D Dept	Business Dept	Approved By
Ye Jianhua	Wang Jiehui	He Fei

supplier

R&D Dept	Engineer Dept	Approval
Ye Xiongping	Mr. Fang	Mr. Chen





Product Specification

A. Electrical Characteristics

Frequency: 2400MHz ~2500MHz

VSWR: <3.0

Efficiency: >20%

Impedance: 50 Ohm

Gain: 0dBi

Antenna type: coil antenna

Polarization mode: linear polarization

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

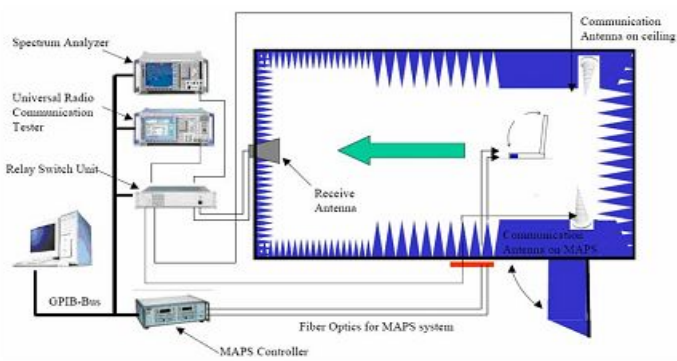
1. Network Analyzers :

Agilent 8753D 5071B

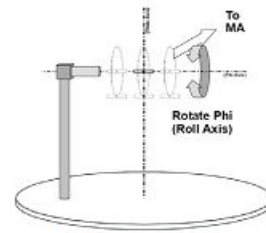
2. Communications Test Set:

Agilent E5515C

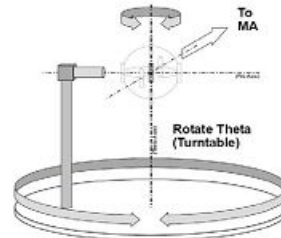
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



Phi axis test



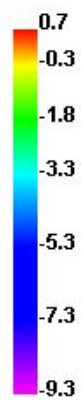
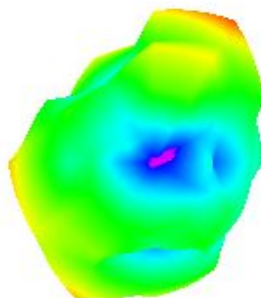
Theta axis test

Efficiency & Gain

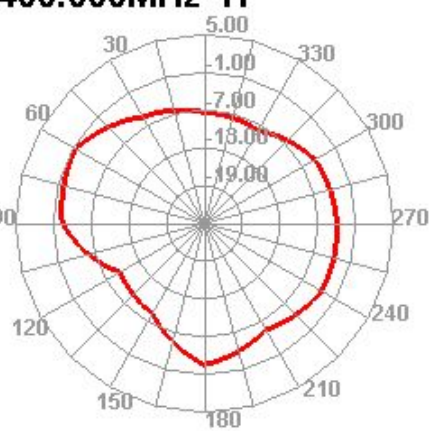
Freq (MHz)	Effi (%)	Gain (dBi)
2400	23.66	-1.03
2450	20.24	0.00
2500	25.73	-0.46

Radiation Pattern

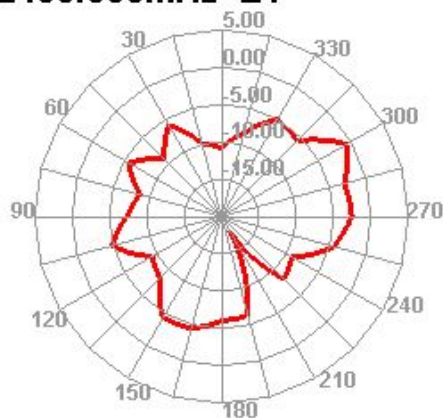
2400.000MHz



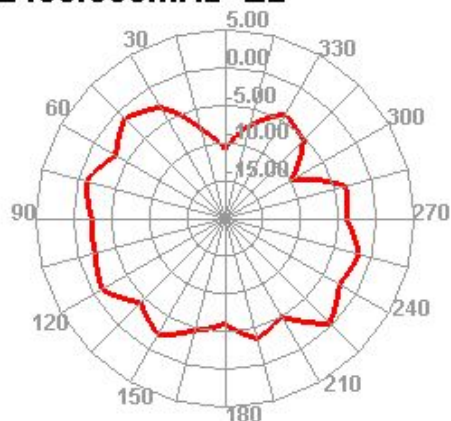
2400.000MHz H



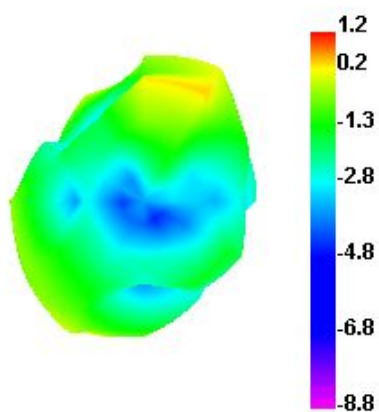
2400.000MHz E1



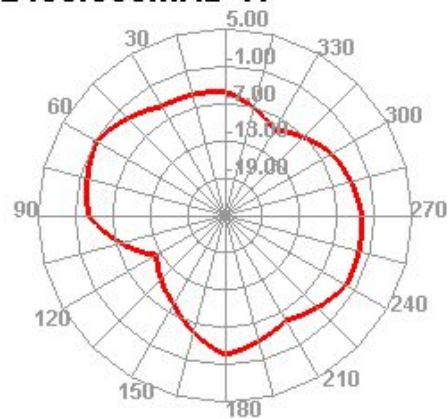
2400.000MHz E2



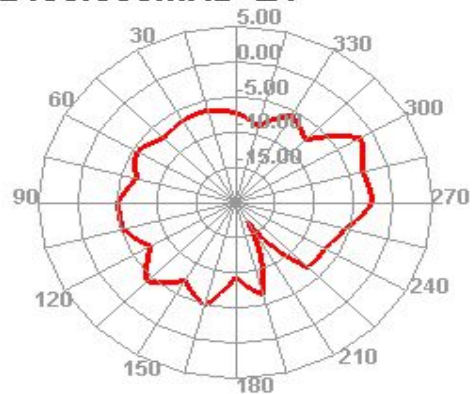
2450.000MHz



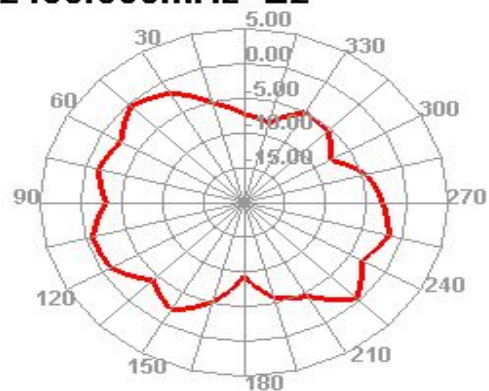
2450.000MHz H



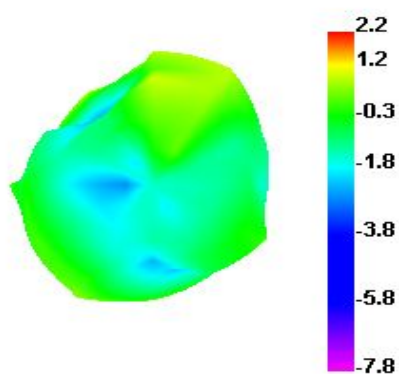
2450.000MHz E1



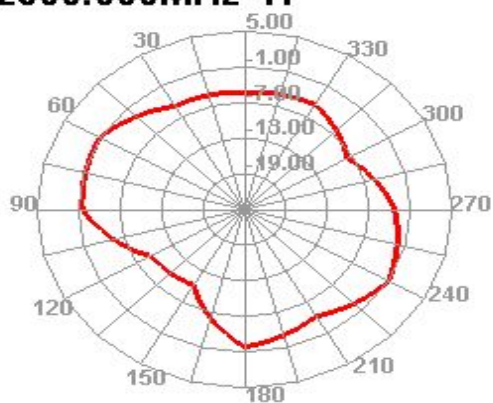
2450.000MHz E2



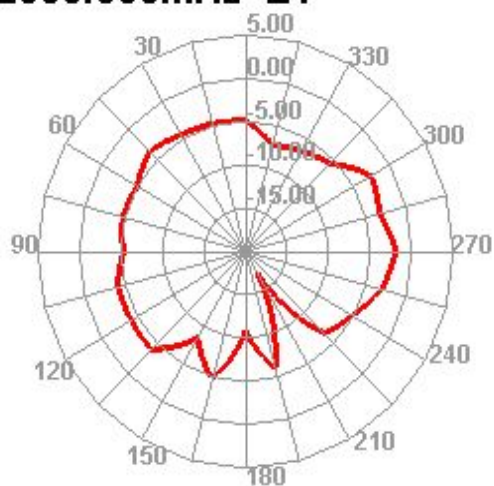
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

