

Antenna Specification for Approval

Manufacturer : Huizhou Shenma Electronic Technology Co., Ltd

Company address: 3rd Floor, No. 198 Mingyue 2nd Road,

Shiwan Town, Boluo County, Huizhou City, Guangdong Province

Customer Name: Guangdong Xinqu Intelligent Technology Co., Ltd

Product Name: 2.4G antenna

PRODUCT MODEL: 19PIN*0.12*1.4PVC

Write By: Mr. xiao

Issued Date: 2025-8-1

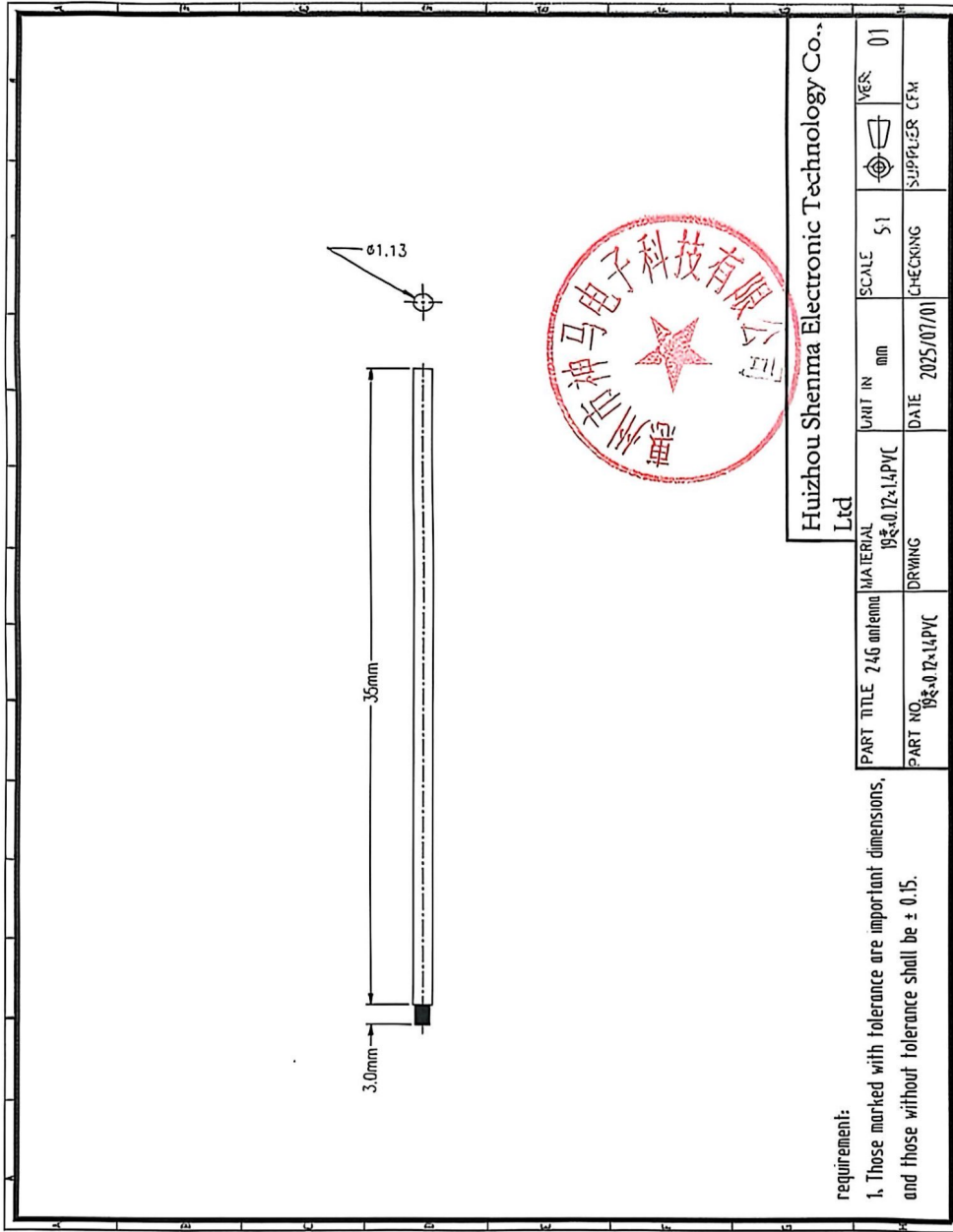
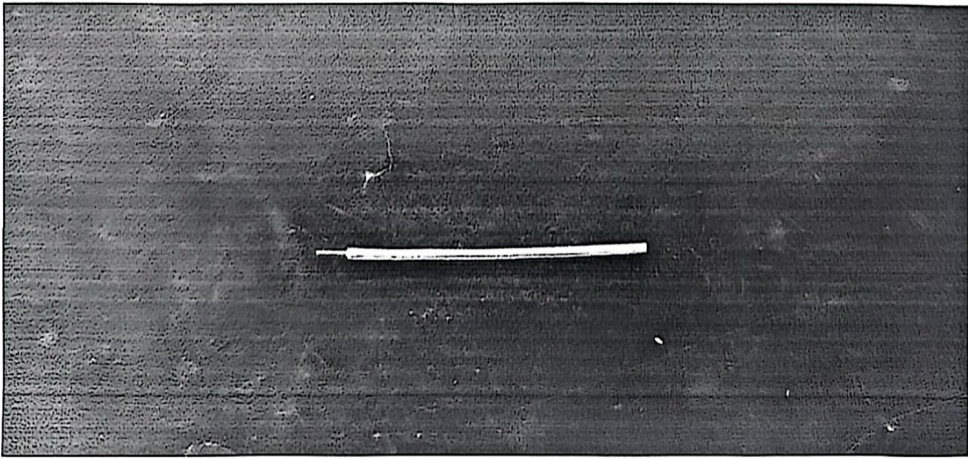
customer:

R&D Dept	Business Dept	Approved By

supplier

R&D Dept	Engineer Dept	Approval
zhang Le	xiao chao yang	xiao Heng





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

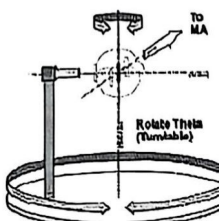
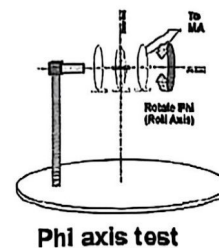
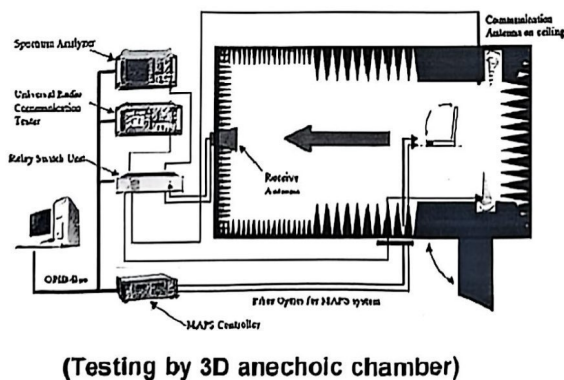
1. Network Analyzers :

Agilent 8753D 5071B

2. Communications Test Set:

Agilent E5515C

3. 3D Chamber Test System



Theta axis test

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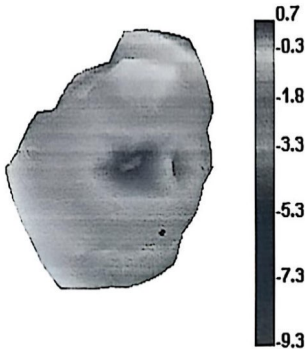
Effiency &Gain

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

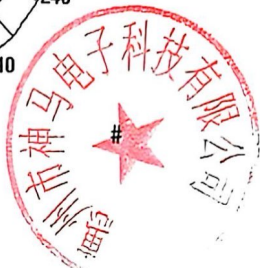
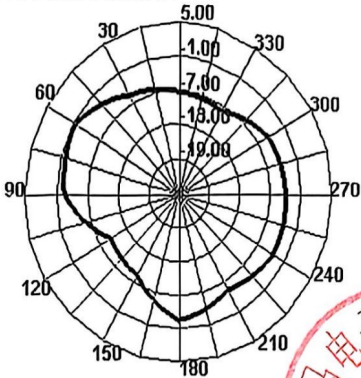
Radiation Pattern

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2400.000MHz

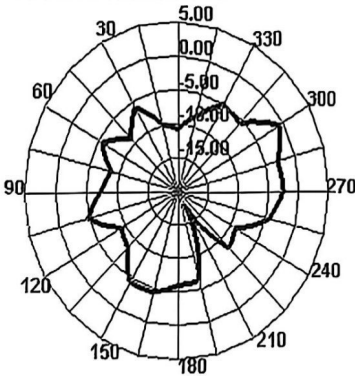


2400.000MHz H

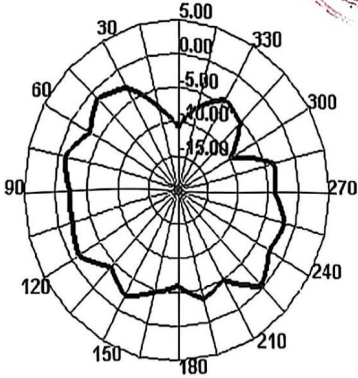


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2400.000MHz E1



2400.000MHz E2



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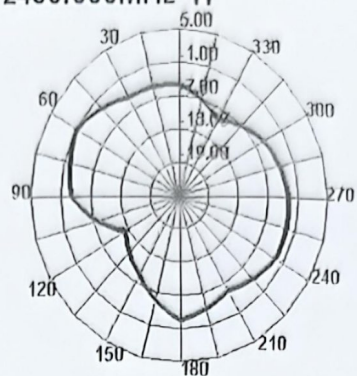
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2450.000MHz



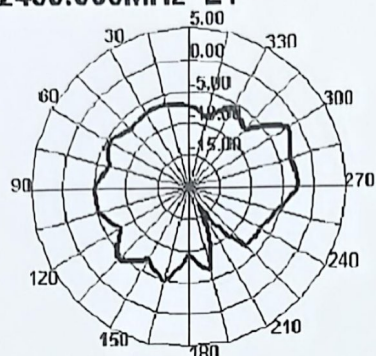
2450.000MHz H



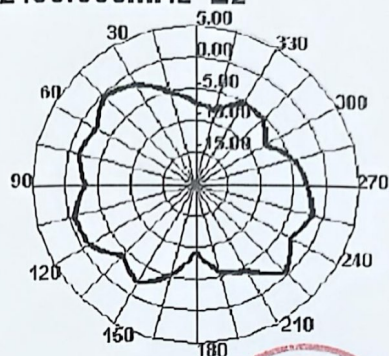
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2450.000MHz E1



2450.000MHz E2



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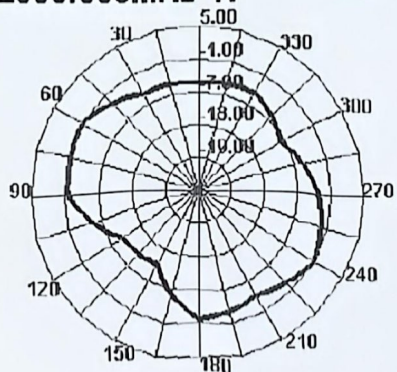


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2500.000MHz



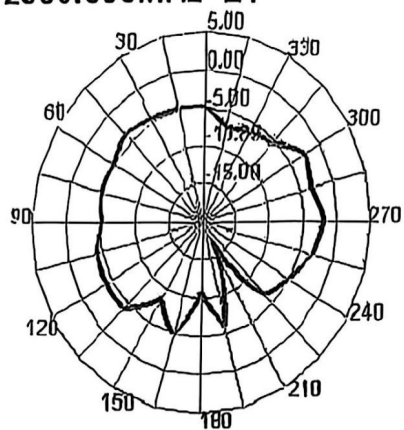
2500.000MHz H



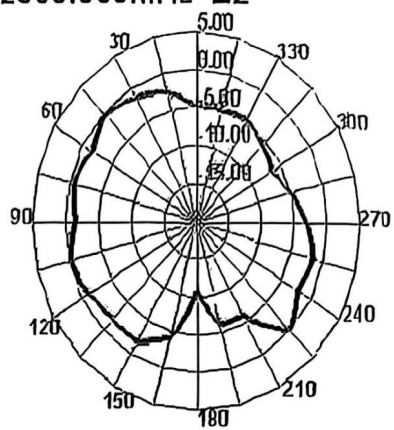
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2500.000MHz E1



2500.000MHz E2



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