

Dongguan Lixinwei Electronics Co., Ltd

Antenna Specification for Approval

Address: 79 Tonggu 3rd Street, Xian Village, Dalang
Town, Dongguan City

Product Name: 2.4G 36mm

Part NO.:

Write By: mim ZHOU

Issued Date: 2026-08-13

Product Specification

A. Electrical Characteristics

Frequency: 2400MHz ~2500MHz

VSWR: <3.0

Efficiency: >50%

Impedance: 50 Ohm

Polarization: Line

Gain: -0.18dBi

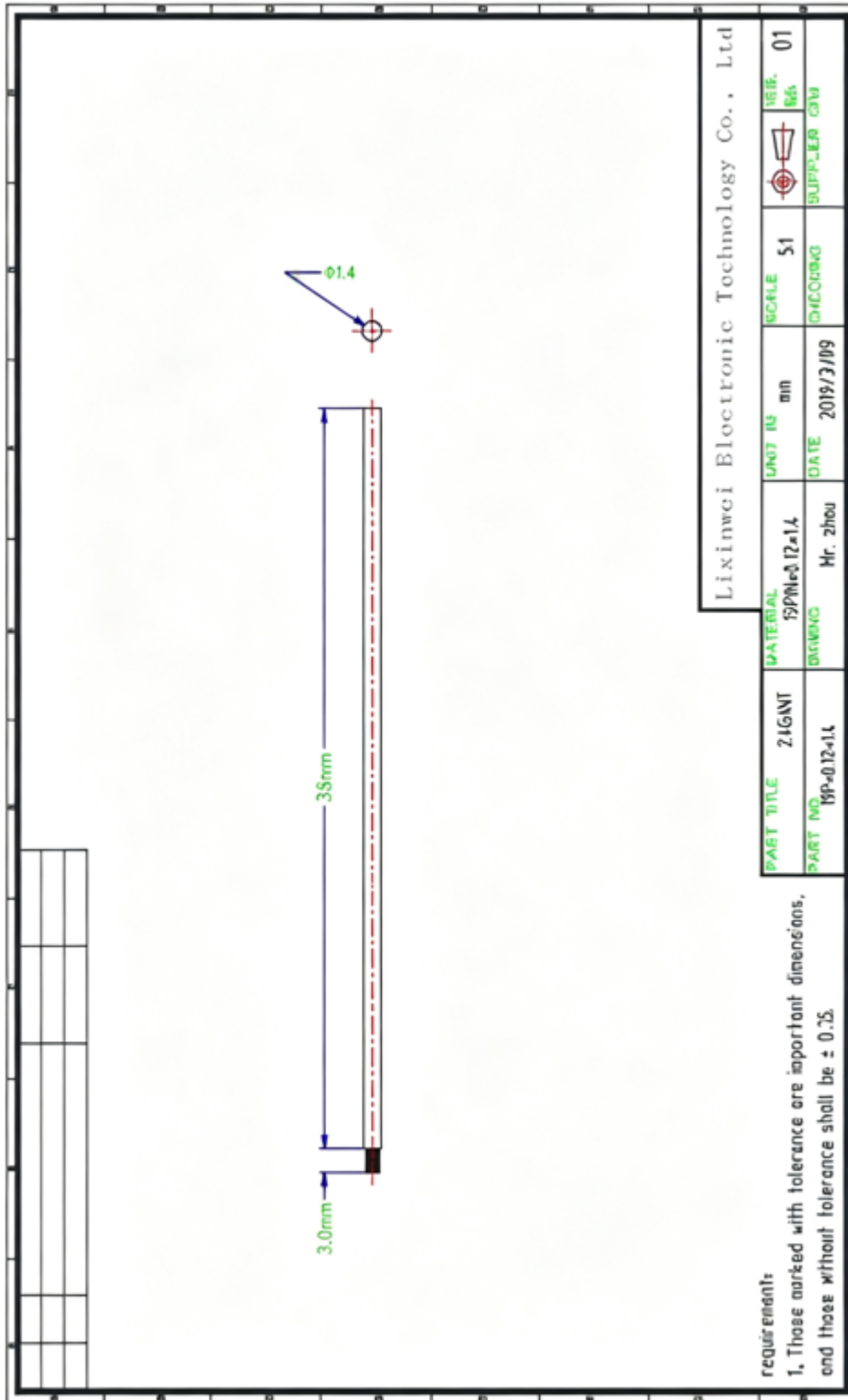
B. Material & Mechanical Characteristics

Material of Radiator: Cu

Cable Type: 1.13

Connector Type: NO

Dimension



C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

1. Network Analyzers :

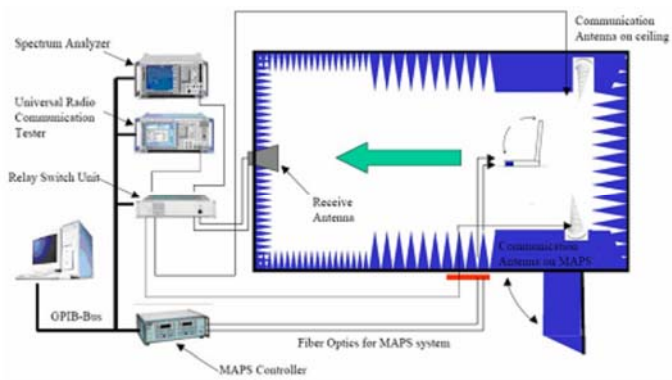
Agilent 8753D 5071B

2. Communications Test Set:

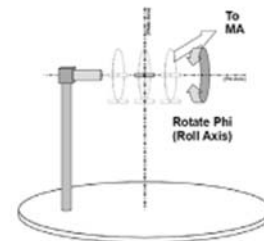
Agilent E5515C

3. 3D Chamber Test System

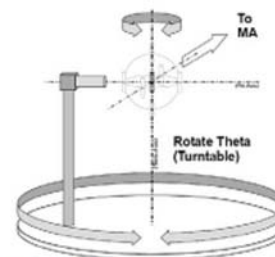
Efficiency & Gain



(Testing by 3D anechoic chamber)



Phi axis test



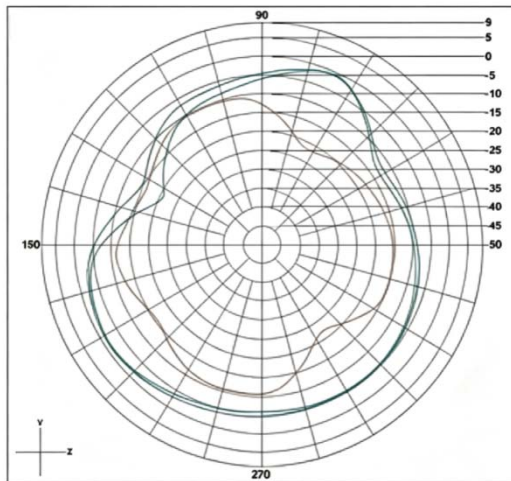
Theta axis test

Efficiency & Gain

2.400MHz	-0.36dBi
2.440MHz	-0.22dBi
2.480MHz	-0.18dBi

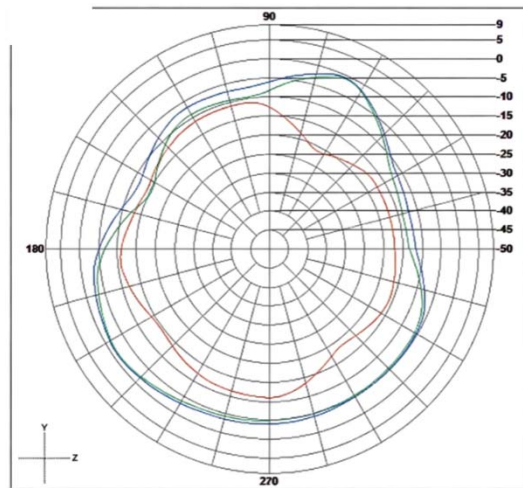
Radiation Pattern:

2400MHz



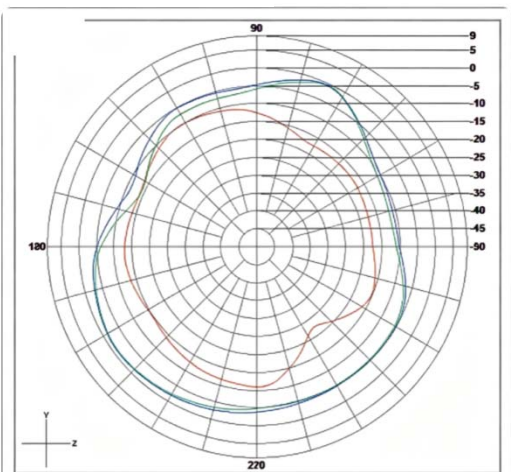
	Vertical	Horizontal
Avg. Gain	-13.14	-5.08
Peak Gain	-10.08	-0.36

2450MHz

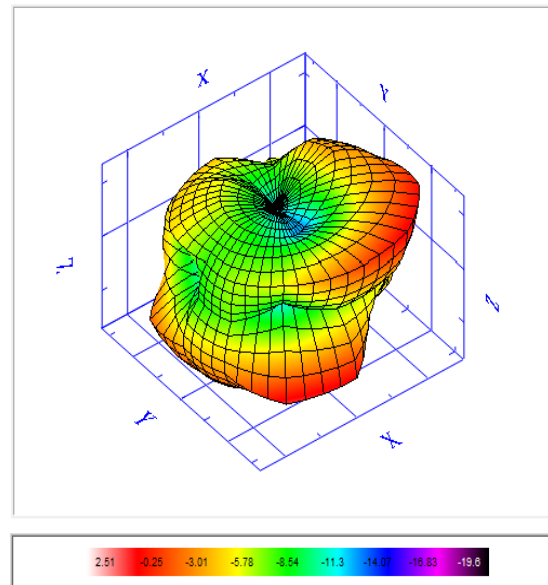


	Vertical	Horizontal
Avg. Gain	-13.34	-5.06
Peak Gain	-10.3	-0.22

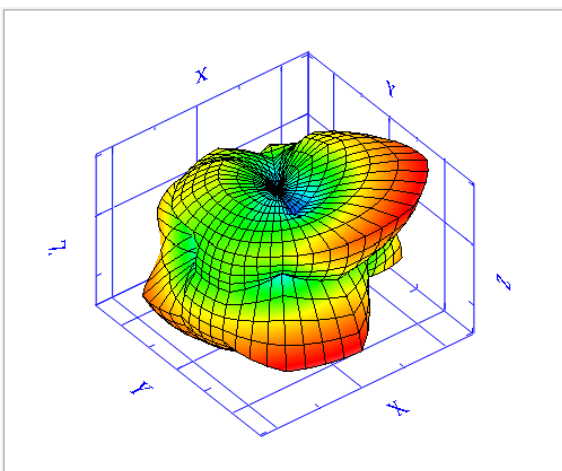
2500MHz



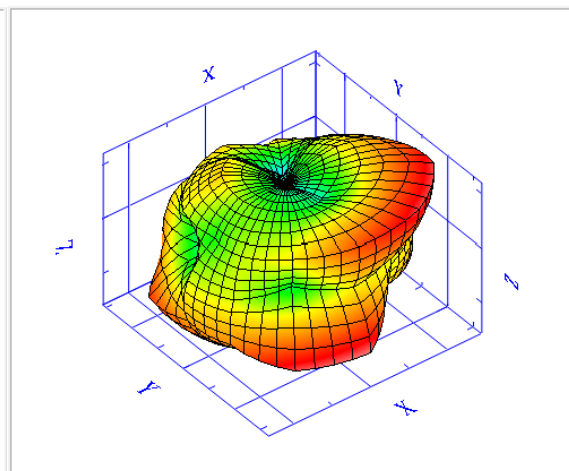
	Vertical	Horizontal
Avg. Gain	-13.42	-4.6
Peak Gain	-9.47	-0.18



2.61 -0.25 -3.01 -5.78 -8.54 -11.3 -14.07 -16.83 -19.6



2.12 -0.3 -2.73 -5.16 -7.59 -10.01 -12.44 -14.86 -17.29



1.98 -0.58 -3.14 -5.7 -8.26 -10.81 -13.37 -15.93 -18.49