Antenna Specification for Approval

Manufacturer: _____

Company address: _____

Product Name: 2.4G antenna

PRODUCT MODEL: _____

Write By: Mr. zhou

Issued Date: 2025-7-2

customer:

R&D Dept	Business Dept	Approved By

supplier

R&D Dept	Engineer Dept	Approval

Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz
VSWR <3.0
Efficiency >20%
Impedance 50 Ohm
Gain 0.59Dbi
Antenna Type: intemal antenna
Polarization mode: linear polarization

B. Material & Mechanical Characteristics

Material of Radiator Cu
Cable Type： PCB
Connector Type : NO
Dimension

C. Environmental

Operation Temperature - 30 ℃ ~ + 80 ℃
Storage Temperature - 30 ℃ ~ + 85 ℃

Test Equipment & Conditions

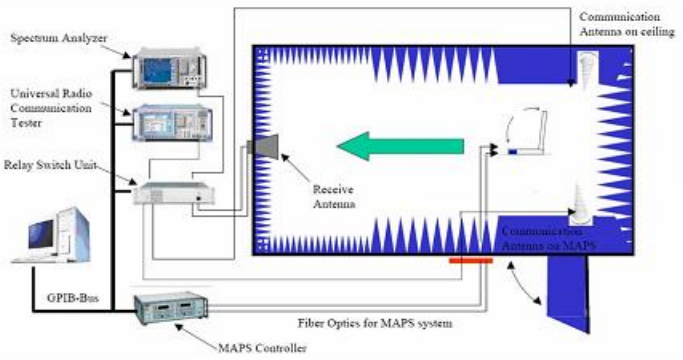
1. Network Analyzers :

Agilent 8753D 5071B

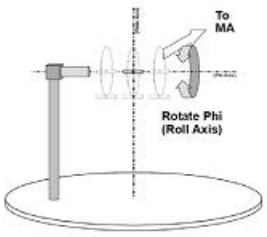
2. Communications Test Set:

Agilent E5515C

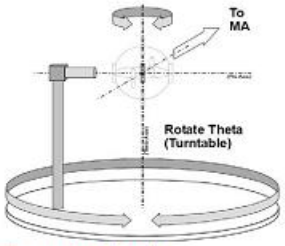
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



Phi axis test



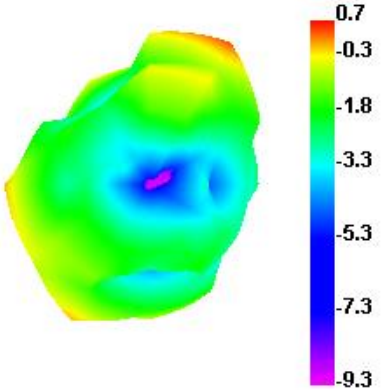
Theta axis test

Effiency &Gain

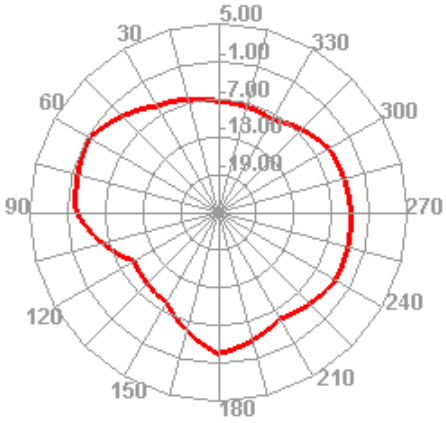
Freq (MHz)	Effi (%)	Gain (dBi)
2400	23.66	0.47
2410	23.19	0.38
2420	23.03	0.49
2430	22.41	0.42
2440	21.67	0.45
2450	20.24	0.52
2460	20.61	0.51
2470	21.41	0.59
2480	23.89	0.56
2490	26.46	0.53
2500	25.73	0.46

Radiation Pattern

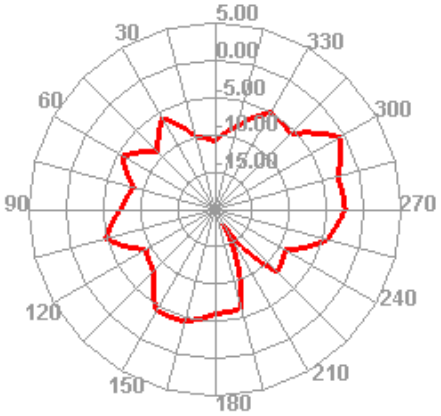
2400.000MHz



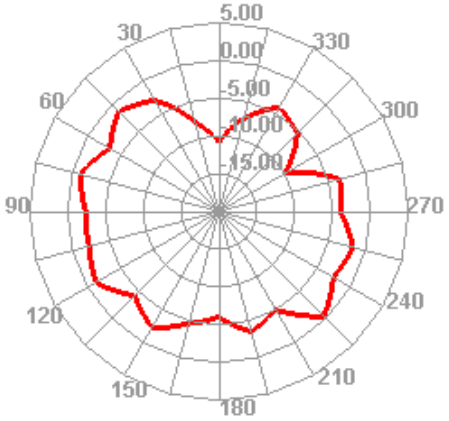
2400.000MHz H



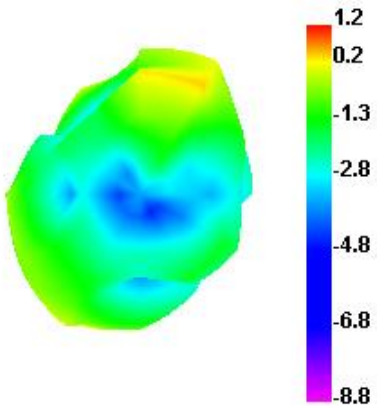
2400.000MHz E1



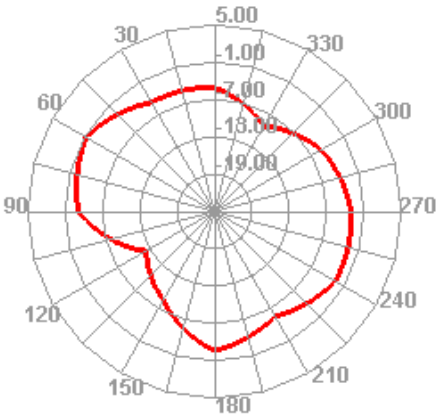
2400.000MHz E2



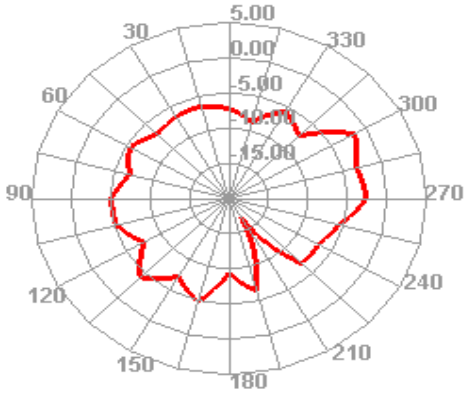
2450.000MHz



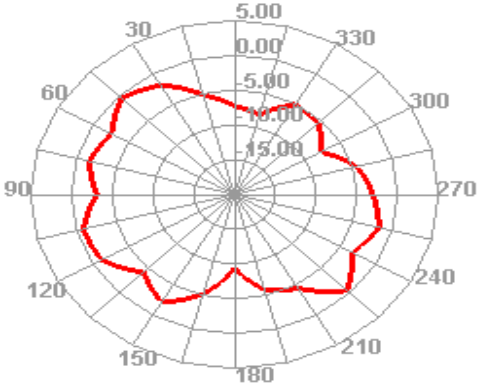
2450.000MHz H



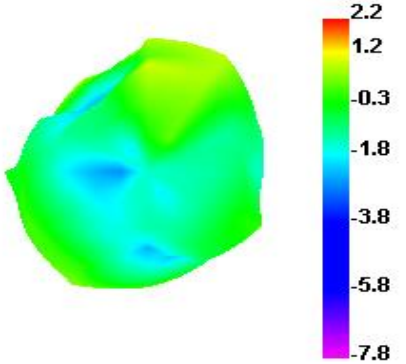
2450.000MHz E1



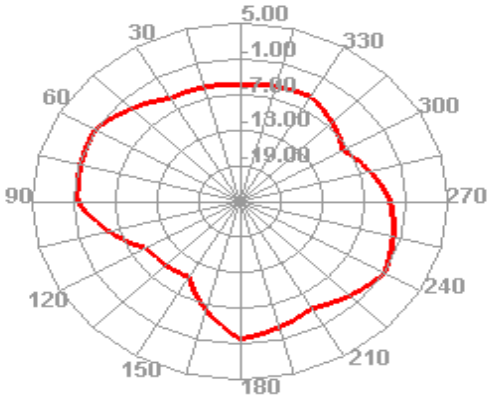
2450.000MHz E2



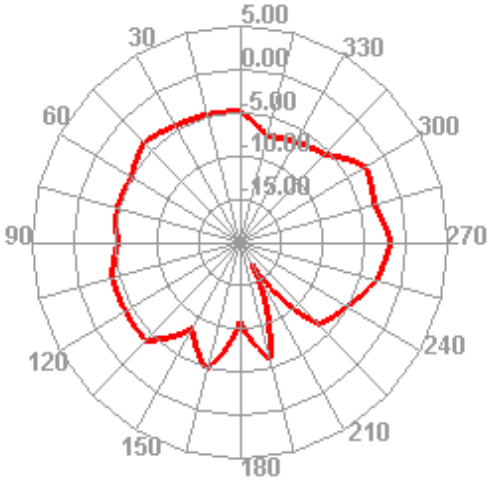
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2