

Dongzhen Electronics Co., Ltd

Shangpin Science and Technology Building, Xinjin Street, Longhu District, Shantou City

Antenna Specification for Approval

Customer Name: _____

Product Name: _____ 2.4G antenna _____

Product Name: _____

Part NO. : _____ 19PIN*0.12*1.4PVC _____

Write By: _____ Mr. zhou _____

Issued Date: _____ 2019-3-8 _____

[illegible]

Product Specification

A. Electrical Characteristics Frequency

2400MHz ~2500MHz VSWR <3.0

Efficiency >20%

Impedance 50 Ohm

Gain 0dBi

Polarization mode: linear polarization

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.4 white

Connector Type : NO

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

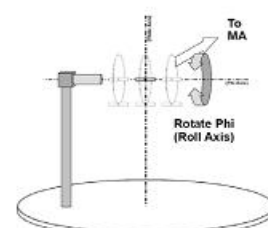
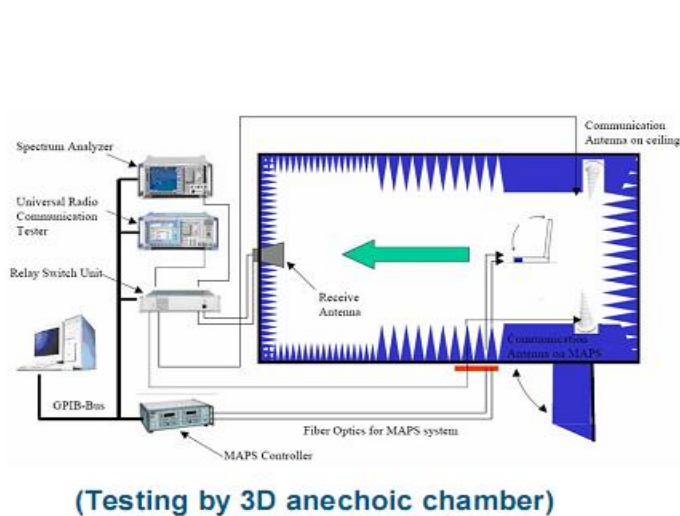
1. Network Analyzers :

Agilent 8753D 5071B

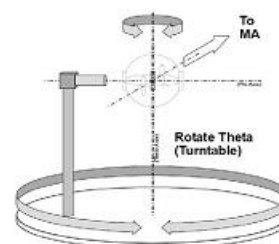
2. Communications Test Set:

Agilent E5515C

3. 3D Chamber Test System



Phi axis test



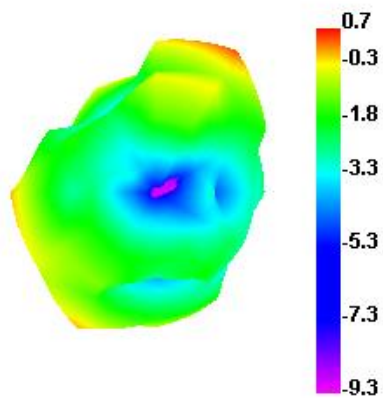
Theta axis test

Efficiency & Gain

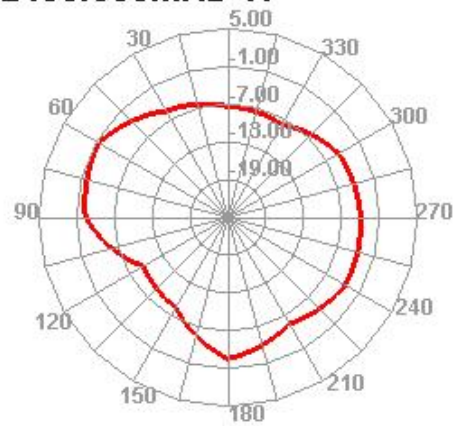
Freq (MHz)	Effi (%)	Gain (dBi)
2400	23.66	-0.47
2410	23.19	-0.38
2420	23.03	-0.49
2430	22.41	-0.42
2440	21.67	-0.45
2450	20.24	-0.52
2460	20.61	-0.51
2470	21.41	-0.59
2480	23.89	-0.56
2490	26.46	-0.53
2500	25.73	-0.00

Radiation Pattern

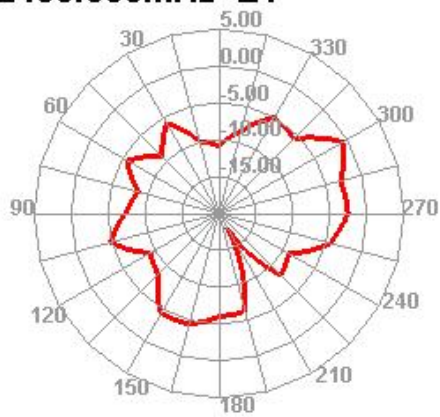
2400.000MHz



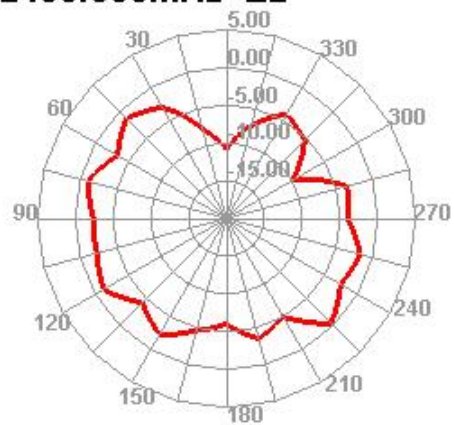
2400.000MHz H



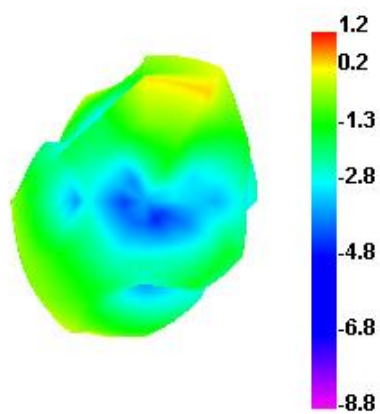
2400.000MHz E1



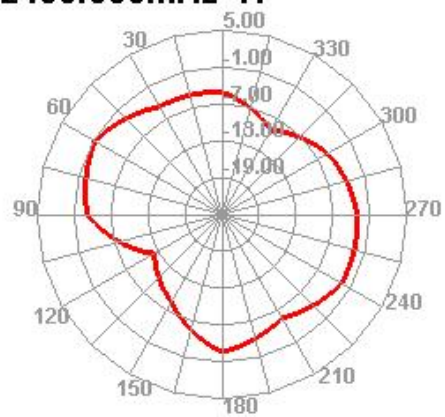
2400.000MHz E2



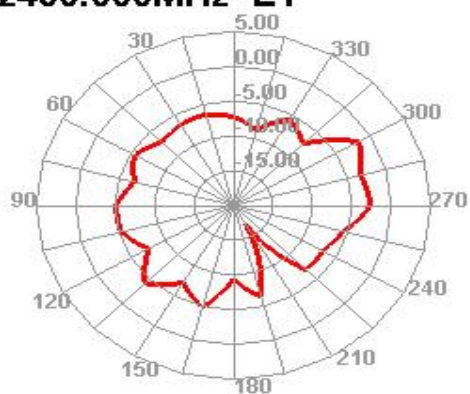
2450.000MHz



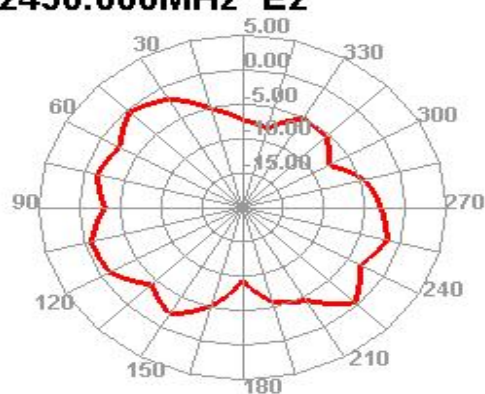
2450.000MHz H



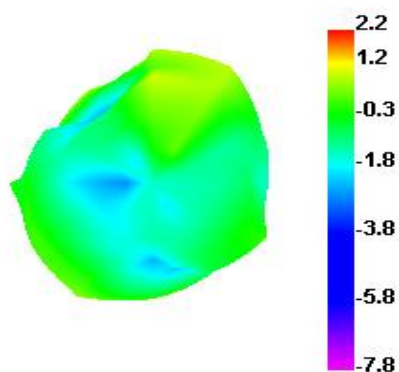
2450.000MHz E1



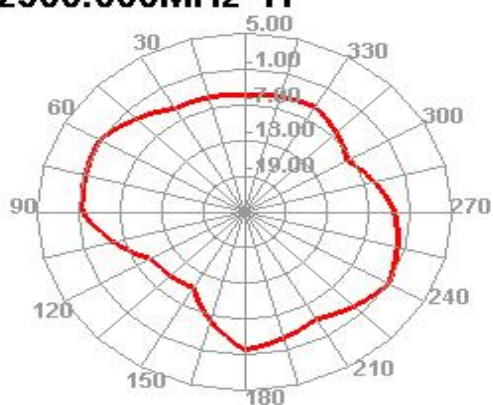
2450.000MHz E2



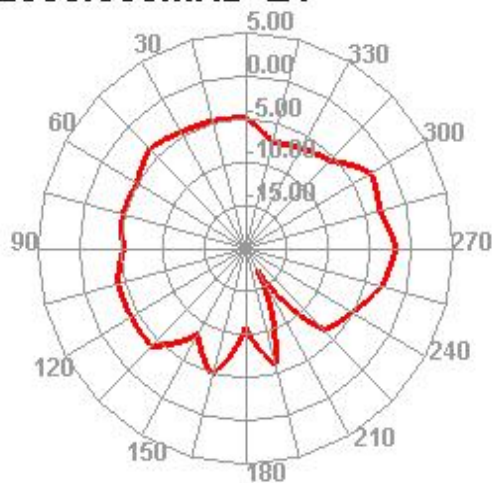
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

