

东振电子有限公司

天线规格承认书

Antenna Specification for Approval

客户名称

Customer Name: _____

产品名称: _

Product Name: _____ 2. 4G铜管天线 全长150黑色

客户型号:

Product Name: _____

产品料号:

Part NO.: _____ C113H-BT4429-100

制 表:

Write By: _____ 周 敏

日 期:

Issued Date: _____ 2024-3-20

客 户:

工程R&D Dept	采购Business Dept	承认 Approved By

东 振 电 子

研发R&D Dept	工程 Engineer Dept	审核 Approval

Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <2.0

Efficiency >75%

Impedance 50 Ohm

Polarization Line

Gain 2DBi

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.13 灰色

Connector Type : NO

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

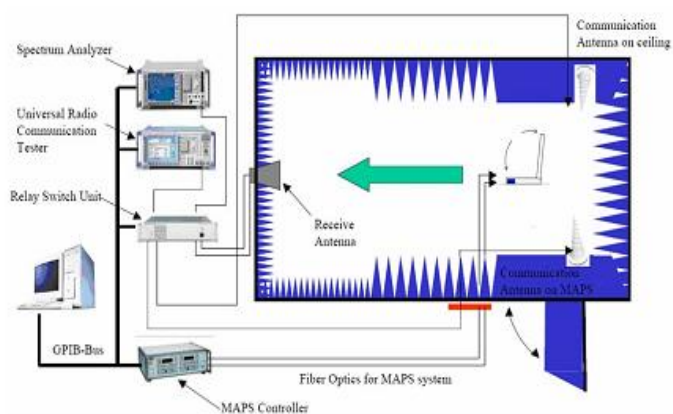
1. Network Analyzers :

Agilent 8753D 5071B

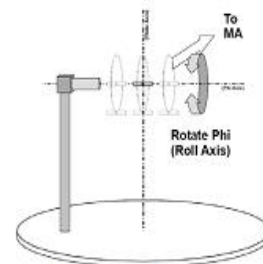
2. Communications Test Set:

Agilent E5515C

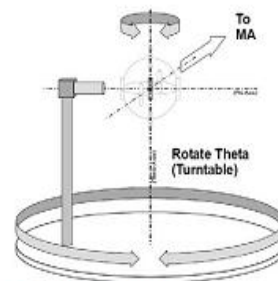
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



Phi axis test

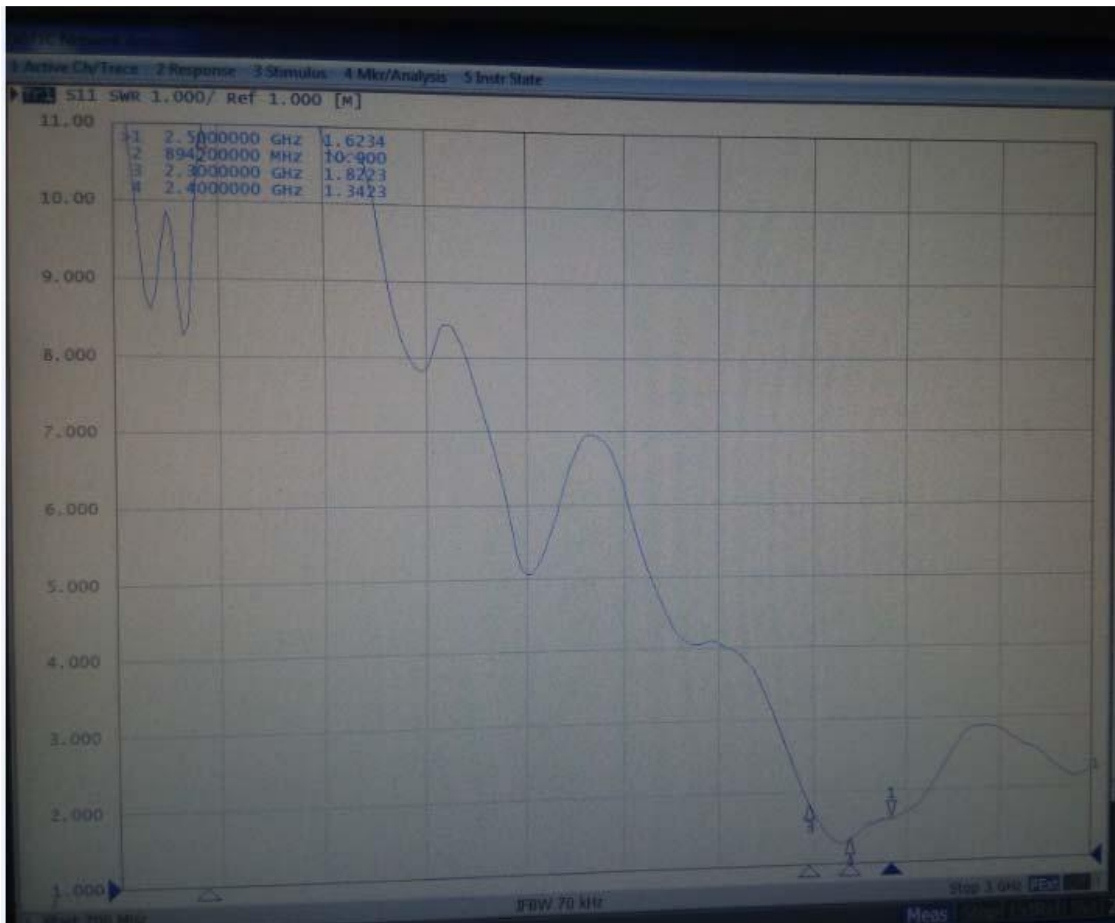


Theta axis test

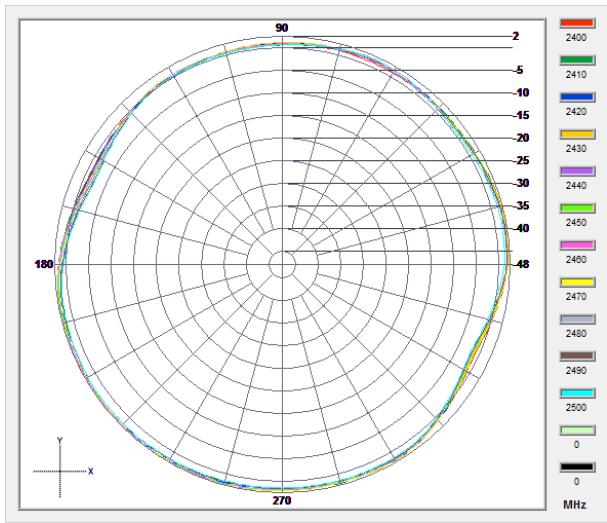
Efficiency & Gain

Freq (MHz)	Effi (%)	Gain (dBi)
2400	76.92	1.8
2410	75.12	1.88
2420	73.34	1.7
2430	72.57	2
2440	66.67	1.61
2450	71.03	1.83
2460	70.83	1.82
2470	71.95	1.89
2480	72.28	1.68
2490	68.19	1.62
2500	67.42	1.03

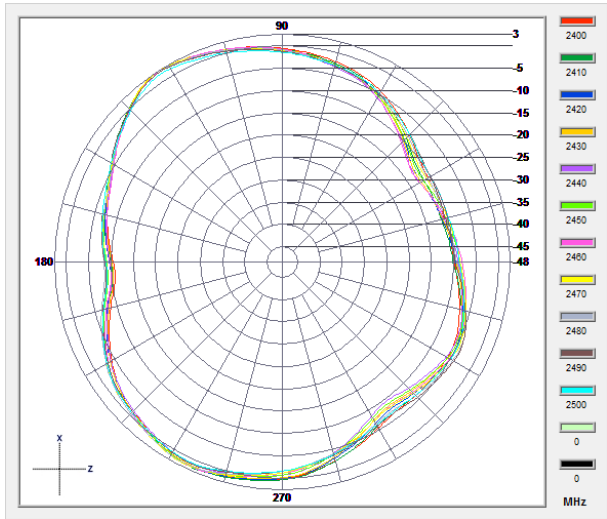
S11



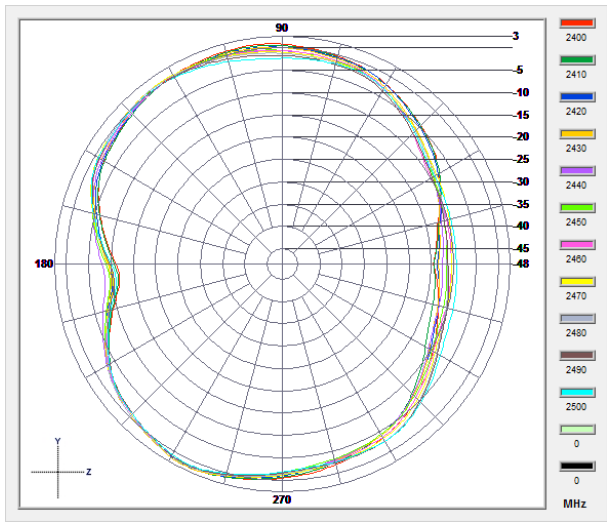
Radiation Pattern:



XY



XZ



YZ

2400 2410 2420 2430 2440 2450 2460 2470 2480 2490 2500

