

Dongguan Lixinwei Electronics Co., Ltd

Antenna Specification for Approval

Address: 1st Floor, No. 79 Tonggu 3rd Street, Xiancun, Dalang Town, Dongguan City, Guangdong Province

Customer Name: _____

Product Name: _____ 2.4G antenna _____

Product Name: _____

Part NO. : _____ C113H-BT44-11125-150R _____

Write By: _____ Mr. zhou _____

Issued Date: _____ 2024-11-13 _____

customer:

R&D Dept	Business Dept	Approved By

Supplier

R&D Dept	Engineer Dept	Approval
	ht	zhu

Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <2.0

Efficiency >75%

Impedance 50 Ohm

Polarization Line

Gain 2.96DBi

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.13 black

Connector Type : NO

Antenna type: monopole

Dimension

C. Environmental

Operation Temperature - 30 ° C ~ + 80 ° C

Storage Temperature - 30 ° C ~ + 85 ° C

Test Equipment & Conditions

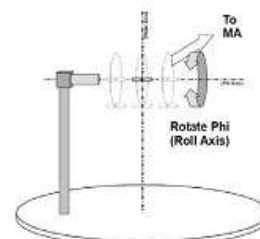
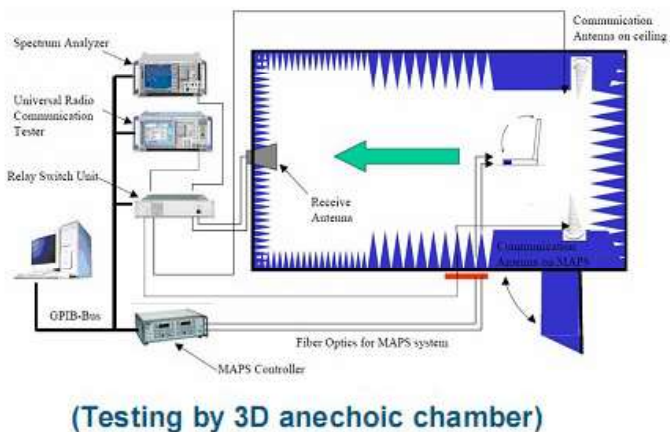
1. Network Analyzers :

Agilent 8753D 5071B

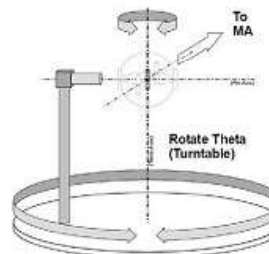
2. Communications Test Set:

Agilent E5515C

3. 3D Chamber Test System

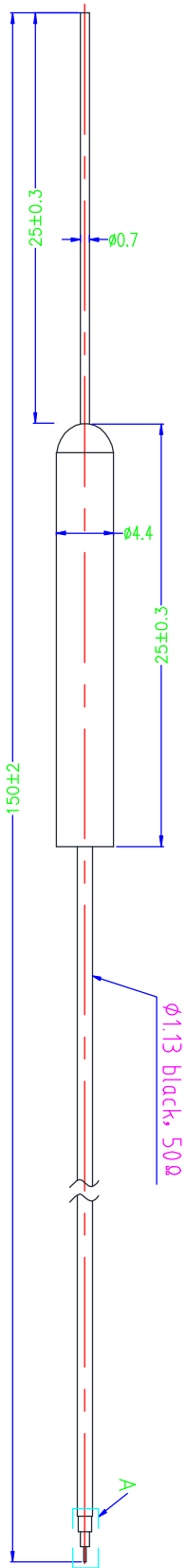


Phi axis test



Theta axis test

标记	数量	更改内容	签字	日期



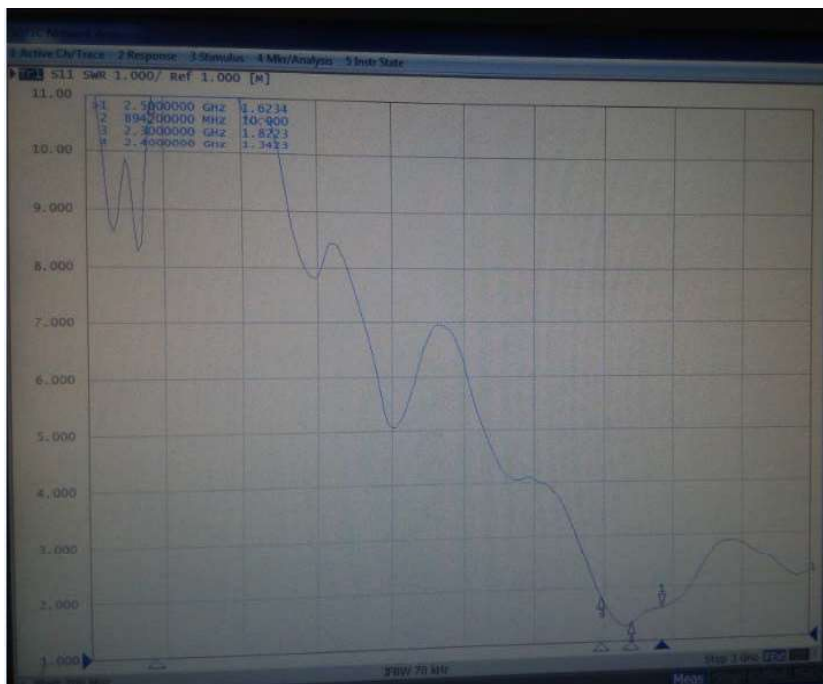
TITLE: 2.4G antenna				MATERIAL: ??		FINISH: 表面处理	
PART/NO.: C113H-BT44-11125-150R				TOLERANCE ??		ANGULAR??	
UNIT IN mm				UNLESS OTHERWISE SPECIFIED		REV 01	
DRAWING 数				CHECKING		DATE	
制图				??		版次	

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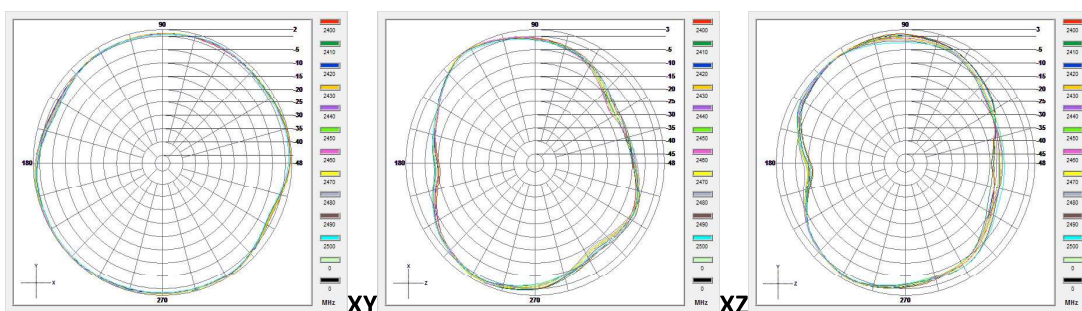
Efficiency & Gain

Freq (MHz)	Effi (%%)	Gain (dBi)
2400	76.85	2.42
2410	74.86	2.46
2420	74.78	2.81
2430	72.59	2.96
2440	66.69	2.53
2450	72.16	2.63
2460	71.67	2.89
2470	72.96	2.80
2480	72.45	2.70
2490	68.43	2.75
2500	67.48	2.39

S11



Radiation Pattern:



YZ

2400 2410 2420 2430 2440 2450 2460 2470 2480 2490 2500

