

东莞市利信威电子有限公司

天线规格承认书

Antenna Specification for Approval

客户名称

Customer Name: 蓝光电子

产品名称: _

Product Name: 2.4G铜管天线 全长90黑色

客户型号:

Product Name: _____

产品料号:

Part NO.: C113H-BT450-90R

制表:

Write By: 周敏

日期:

Issued Date: 2021-11-13

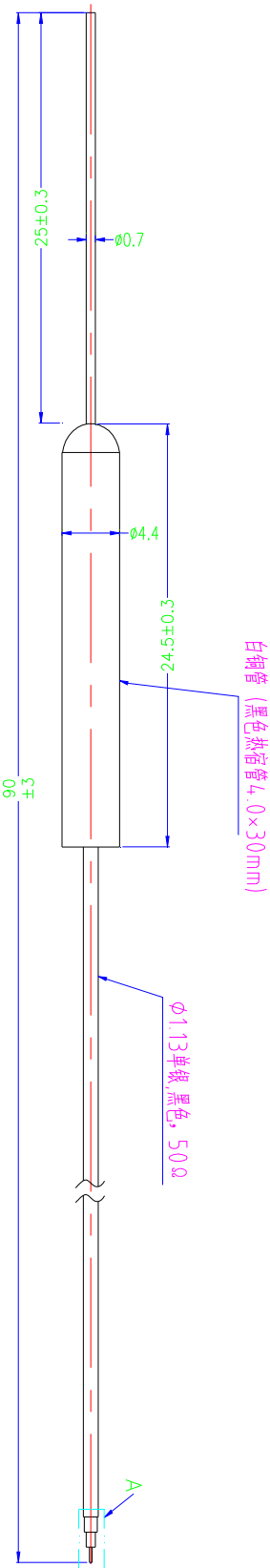
客 户:

工程R&D Dept	采购Business Dept	承认 Approved By

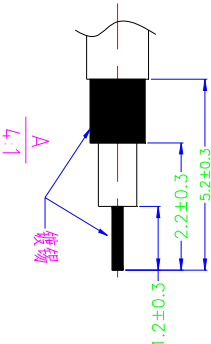
利 信 威

研发R&D Dept	工程 Engineer Dept	审核 Approval

零件号	规格	材料	数量



规格说明:
1. 频率范围: 2.4GHz-2.5GHz;
2. 功率增益: 2.0dBi。



TITLE: 2.4GHz铜管天线			MATERIAL: 铜管		FINISH: 桶酸阳极氧化	
PART NO: C113H-BT450-90R			TOLERANCE		TOLERANCE	
UNIT IN mm			SCALE: 2.5:1		ANGULAR TOLERANCE	
DRAWING 数量			DATE 17-07-30		REV 01	
CHECKING 机			DATE		REV	
DRAWING 数量			DATE		REV	

东莞市利信威电子有限公司

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 黑色

Connector Type : NO

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

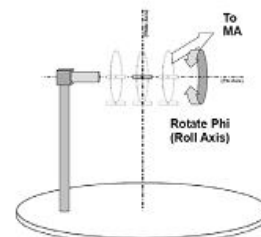
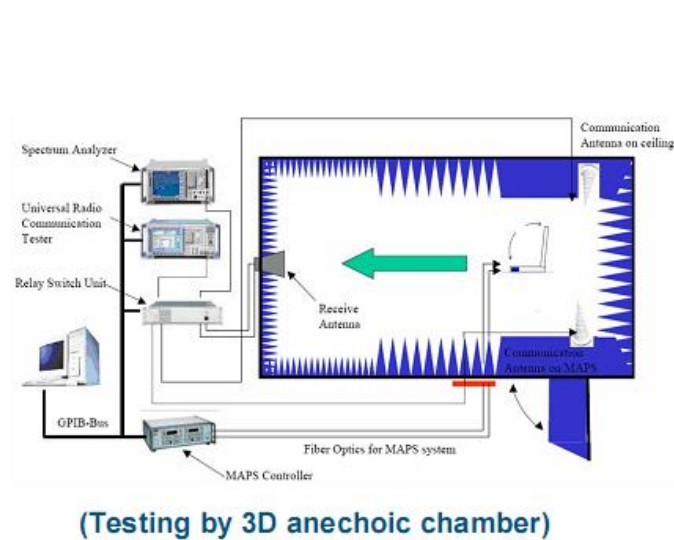
1. Network Analyzers :

Agilent 8753D 5071B

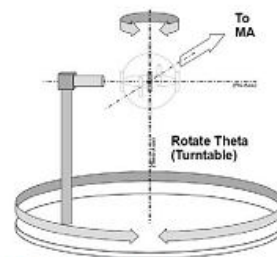
2. Communications Test Set:

Agilent E5515C

3. 3D Chamber Test System



Phi axis test

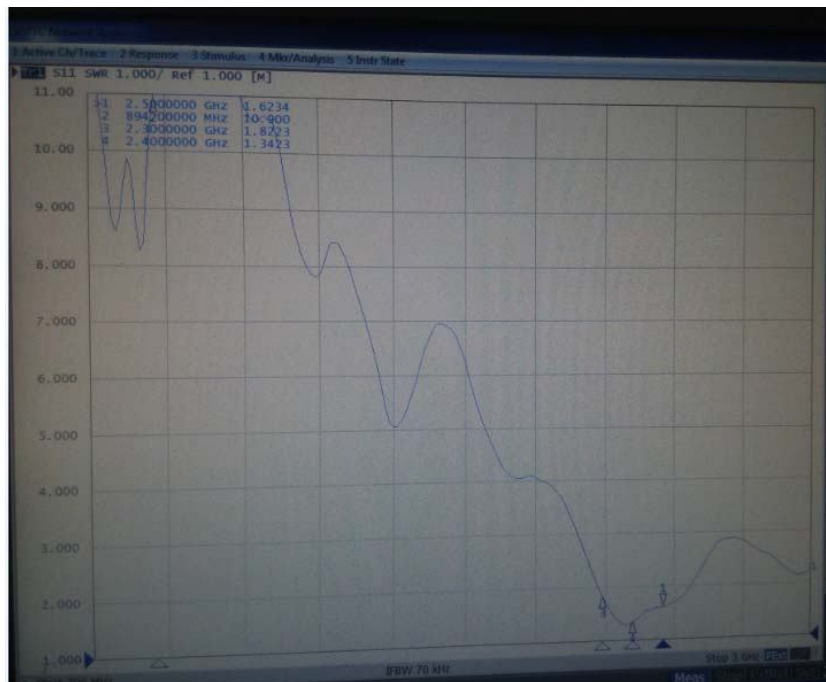


Theta axis test

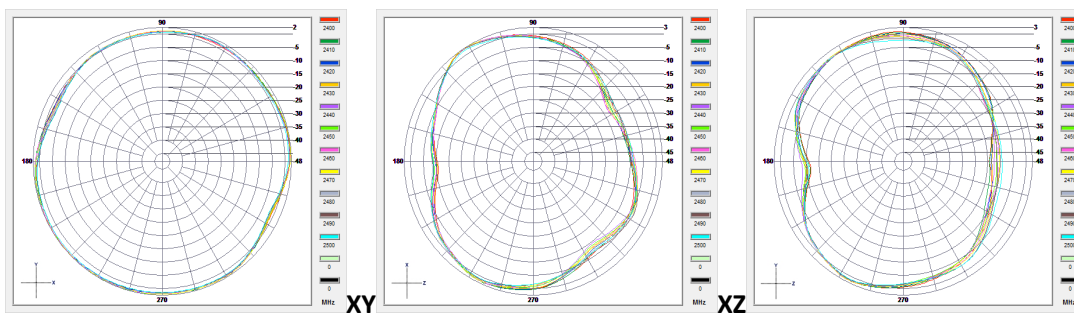
Efficiency & Gain

Freq (MHz)	Effi (%%)	Gain (dBi)
2400	76.85	1.92
2410	74.86	1.86
2420	74.78	1.91
2430	72.59	2.00
2440	66.69	2.00
2450	72.16	1.98
2460	71.67	1.96
2470	72.96	1.98
2480	72.45	1.89
2490	68.43	1.91
2500	67.48	1.90

S11



Radiation Pattern:



YZ

2400 2410 2420 2430 2440 2450 2460 2470 2480 2490 2500

