

$\phi$  1.13 gray copper tube antenna

$\phi$  1.13 single silver, black, 50  $\Omega$

Specification:

1. Frequency range: 2.4GHz - 2.5GHz;
2. Power gain: dBi.

TITLE: 2.4G antenna		MATERIAL: _____		FINISH: _____	
PART/NO.: C113H-BT450-93R		TOLERANCE ??		ANGULAR??	
UNIT IN: mm	SCALE: 2.5:1	$L < 30 \pm 0.10$ $30 < L < 100 \pm 0.15$ $L > 100 \pm 0.20$		$X.XX \pm 0.1^\circ$ $X.X \pm 0.2^\circ$	
DRAWING: 数	DATE: 23-11-25	CHECKING: UNLESS OTHERWISE SPECIFIED		DATE: _____	REV: 01
Dongguan Lixinwei Electronics Co., Ltd					

# Product Specification

## A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <2.0

Efficiency >65%

Impedance 50 Ohm

Polarization Line

Gain 1.97DBi

## B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.13 黑色 Black

Connector Type : IPEX1

Dimension

## C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

## Test Equipment & Conditions

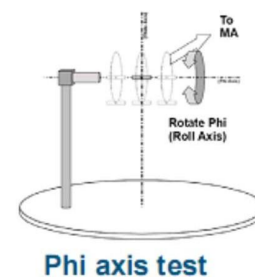
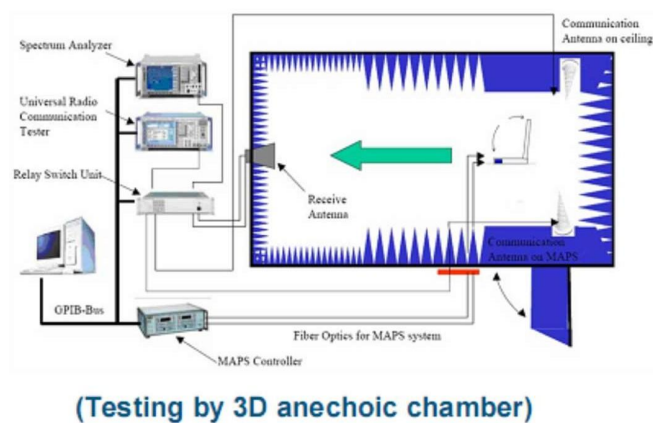
### 1. Network Analyzers :

Agilent 8753D 5071B

### 2. Communications Test Set:

Agilent E5515C

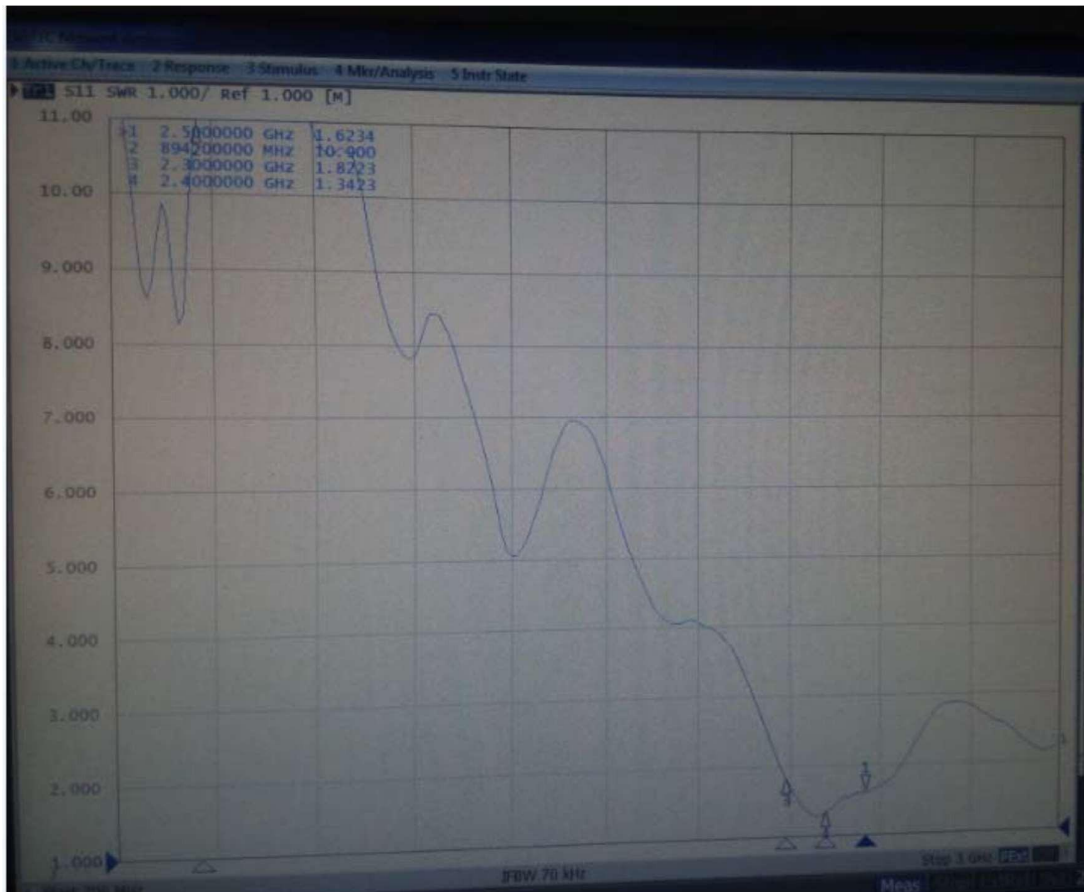
### 3. 3D Chamber Test System



## Efficiency & Gain

Freq (MHz)	Effi (%)	Gain (dBi)
2400	57.97	1.4
2410	64.83	1.86
2420	54.67	1.8
2430	65.56	1.97
2440	56.69	1.51
2450	52.08	1.73
2460	51.84	1.86
2470	52.93	1.80
2480	52.46	1.78
2490	58.44	1.72
2500	57.45	1.33

## S11



# Radiation Pattern:

