

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120黑色

客户型号:

Product Name:

产品料号:

Part NO.: C113H-BT450-120

制 表:

Write By: 周 敏

日 期:

Issued Date: 2017-7-5

Dongguan Lixinwei Electronics Co., Ltd.

No. 2, 2nd Floor, District 2, Fu Hui Chuangyuan, Dongjiang Road, Huanlu Village, Huangjiang Town, Dongguan City

Product Specification

A. Electrical Characteristics Frequency

2400MHz ~2500MHz VSWR <2.0

Efficiency >75%

Impedance 50 Ohm

Polarization Line

Gain 2.86DBi

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 :

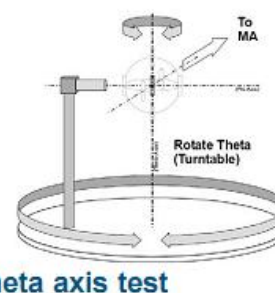
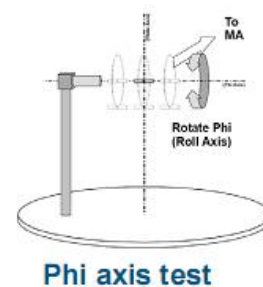
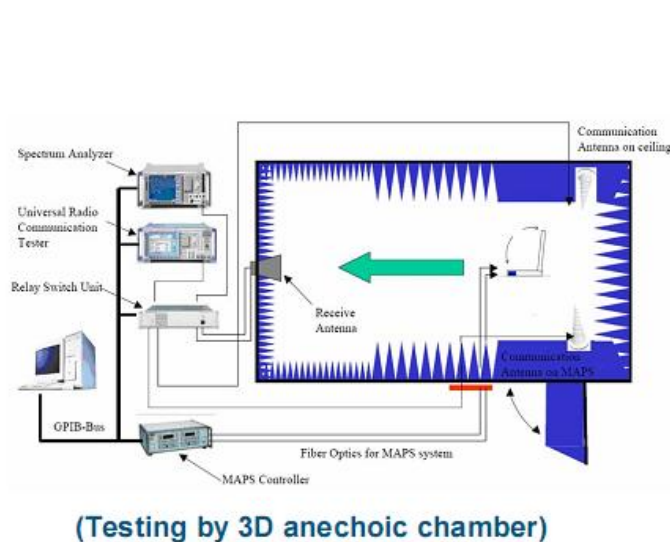
Agilent 8753D 5071B

2. Communications Test Set:

Agilent E5515C

3. 3D Chamber Test System

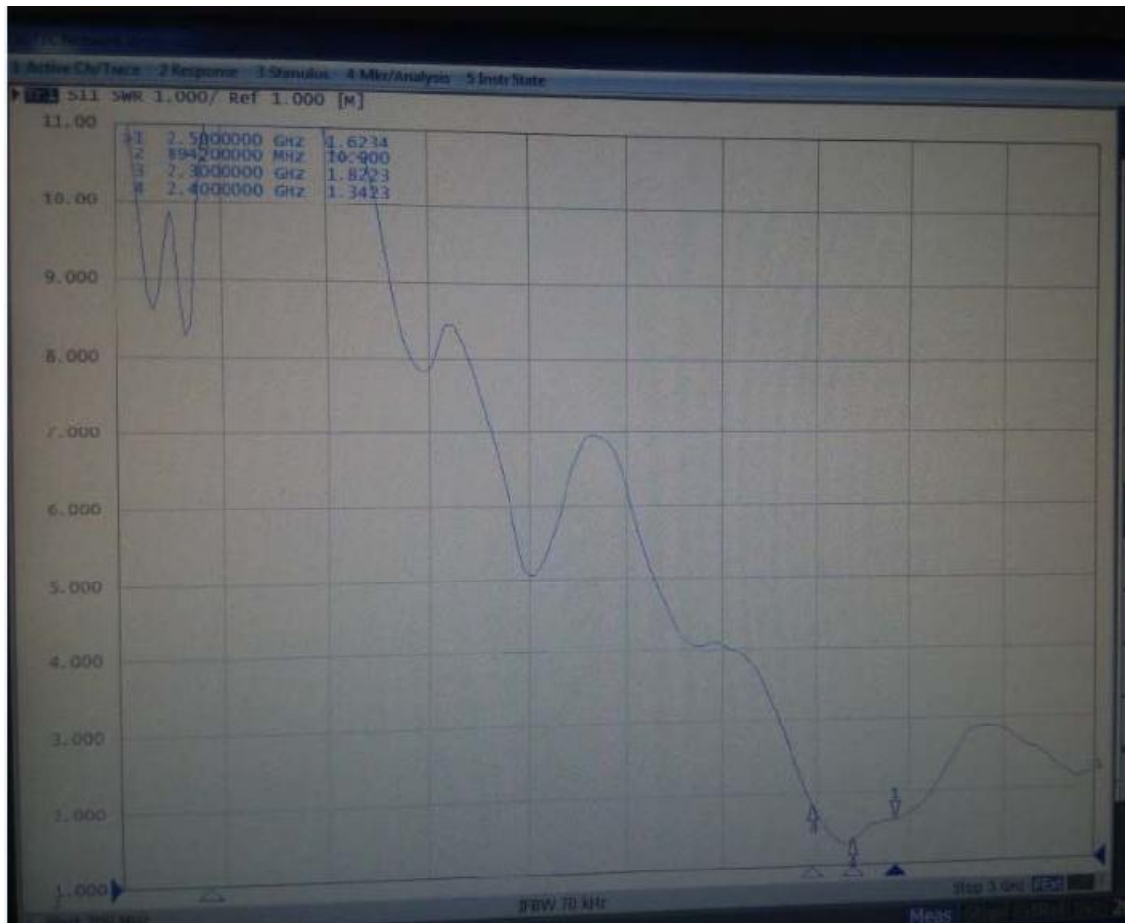
Efficiency & Gain



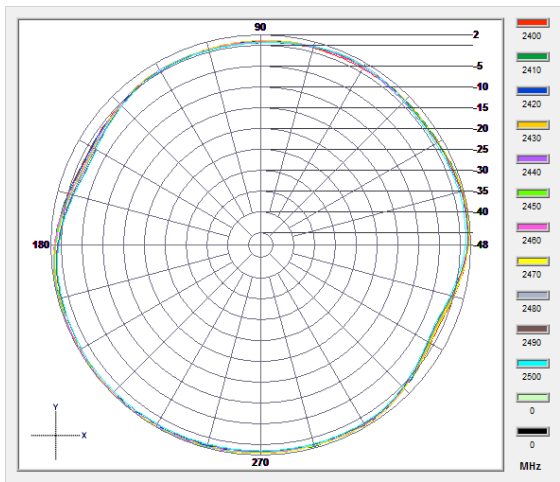
Efficiency & Gain

Freq (MHz)	Effi (%)	Gain (dBi)
2400	76.95	2.4
2410	74.84	2.86
2420	74.68	2.8
2430	72.55	2.97
2440	66.66	2.51
2450	72.06	2.73
2460	71.87	2.86
2470	72.95	2.80
2480	72.43	2.78
2490	68.41	2.72
2500	67.46	2.33

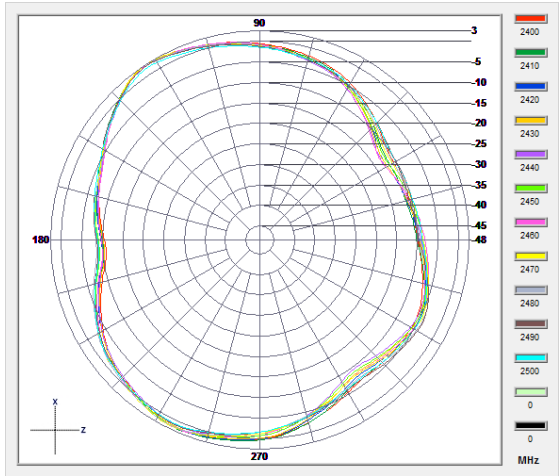
S11



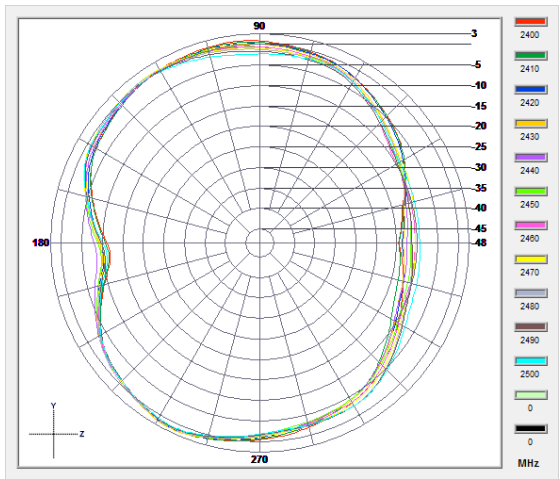
Radiation Pattern:



XY



XZ



YZ

2400 2410 2420 2430 2440 2450 2460 2470 2480 2490 2500

