

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: 海迪电子

产品名称: _

Product Name: 2.4G铜管天线 全长110黑色

客户型号:

Product Name: _____

产品料号:

Part NO.: C113F-BT11128-110

制 表:

Write By: 周 敏

日 期:

Issued Date: 2014-8-20

客 户:

工程R&D Dept	采购Business Dept	承认 Approved By

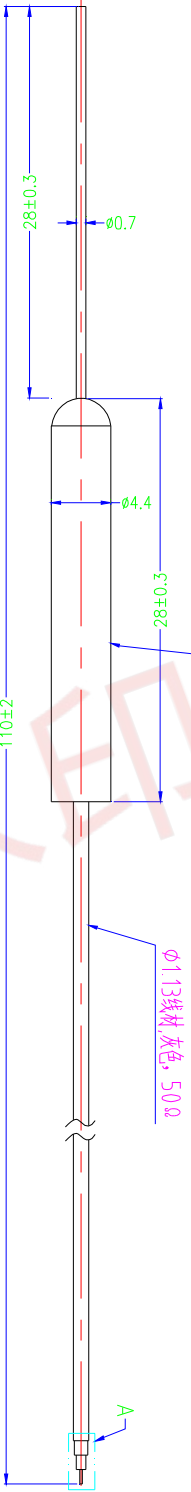
利 信 威

研发R&D Dept	工程 Engineer Dept	审核 Approval

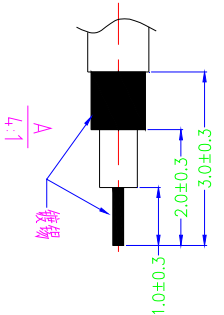
评审	揭杆	截断和冲	杆	

φ1.13灰色铜管天线,铜管加装热缩套管

铜管, 镀锡紫铜,套4.5/35MM黑色套管



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



TITLE: 铜管天线		MATERIAL: 第1版		FINISH: 桶酸揭杆	
PARTNO: C113F-BT1128-110		TOLERANCE 鼠标			
鉗頭唔磨					
UNIT IN mm		SCALE: 2.5:1		LINEAR 鼠标	
DRAWING 表		DATE 16-2-21		30<L<100 ±0.10	
				L>100 ±0.20	
				X.XX ±0.1°	
				X.X ±0.2°	
		UNLESS OTHERWISE SPECIFIED			
CHECKING 机气		DATE		REV 01	

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Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <2.0

Efficiency >50%

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 :

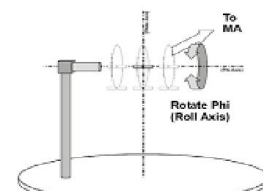
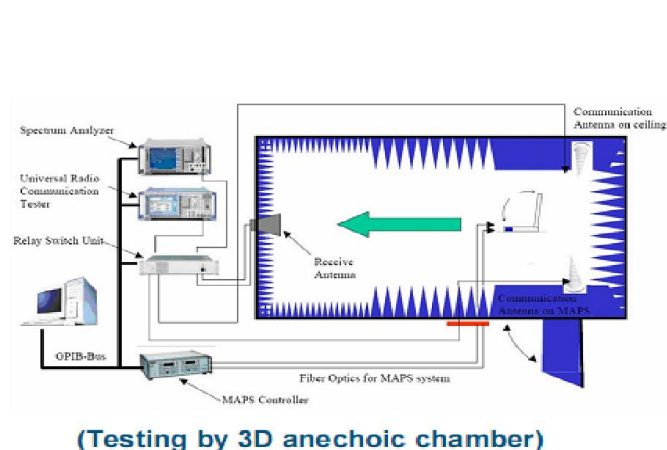
Agilent 8753D 5071B

2. Communications Test Set:

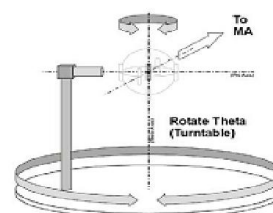
Agilent E5515C

3. 3D Chamber Test System

Efficiency & Gain



Phi axis test

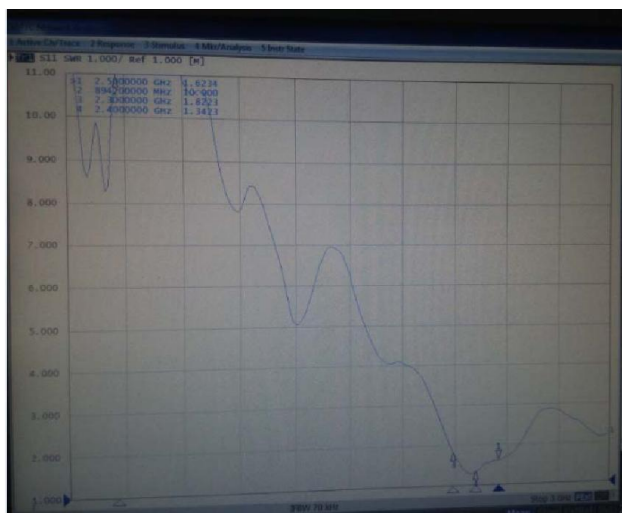
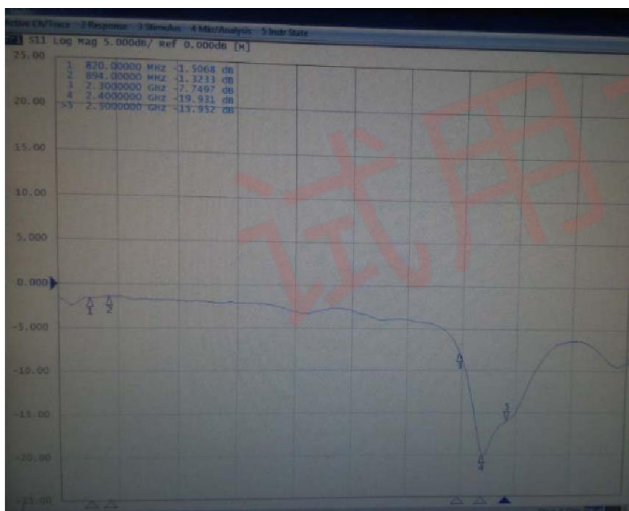


Theta axis test

Efficiency & Gain

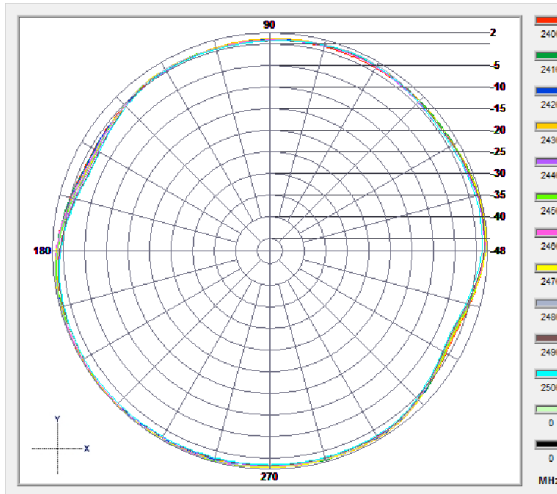
Freq (MHz)	Effi (%%)	Gain (dBi)
2400	76.92	2.0
2410	75.12	2.08
2420	73.34	2.0
2430	72.57	2.09
2440	66.67	2.11
2450	71.03	2.13
2460	70.83	2.12
2470	71.95	2.19
2480	72.28	2.18
2490	68.19	2.22
2500	67.42	2.03

S11

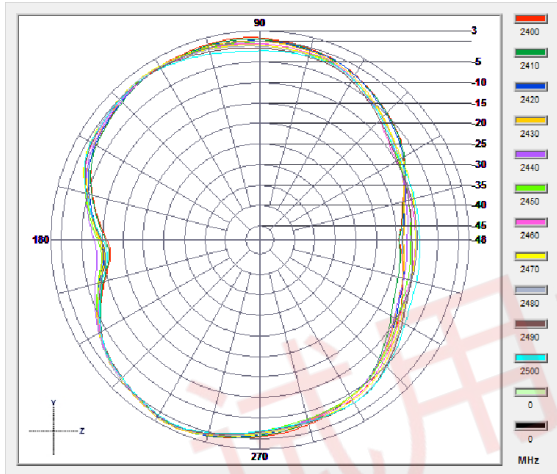
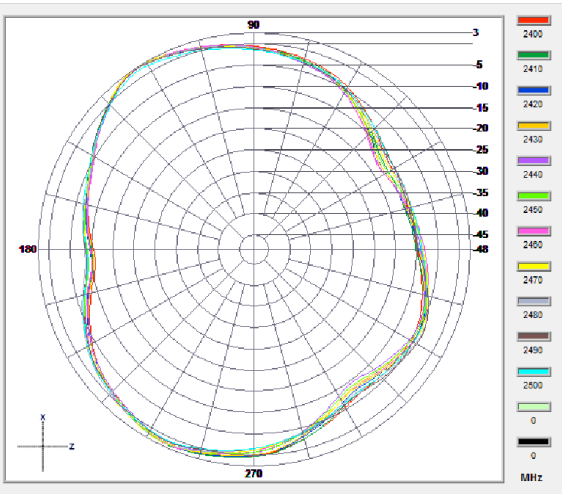


Radiation Pattern:

XY



XZ



YZ

2400 2410 2420 2430 2440 2450 2460 2470 2480 2490 2500

