

东莞市利信威电子有限公司

Dongguan Lixinwei Electronics Co., Ltd

广东省东莞市大朗镇仙村铜鼓三街79号1楼

Floor 1, No. 79, Tonggu Third Street, Xiancun, Dalang Town, Dongguan City,  
Guangdong Province

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: 5.8G铜管天线 全长80黑色

客户型号:

Product Name:   

产品料号:

Part NO.: C113H-IPXBT4412-11-80R

制表:

Write By: 周敏

日期:

Issued Date: 2022-09-8

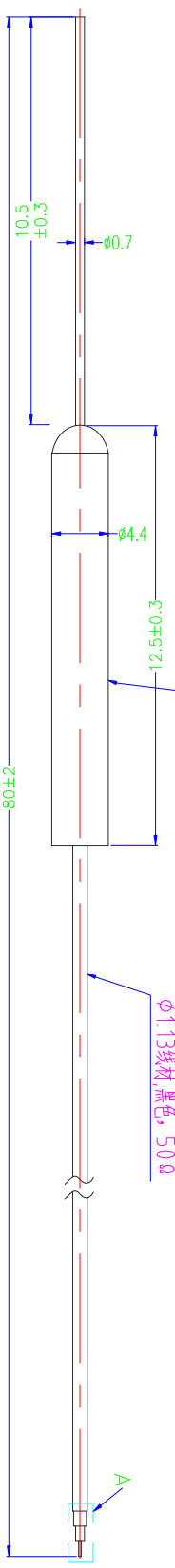
客 户:

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

标记	人数	更改内容	签字	日期

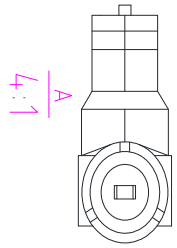


套管: 4.5×15mm  
铜管, 镀锡黄铜

φ1.13线材 黑色, 50Ω

1代端子

规格说明:  
1. 频率范围: 4.7Hz-5.9GHz;  
2. 功率增益: 2.0dBi。



TITLE:	天线		MATERIAL:	???		FINISH:	表面处理	
PART/NO.:	C113H-IPXBT4412-11-80R		TOLERANCE:	???		ANGULAR???	X.XX ±0.1°	
UNIT IN	mm	SCALE:	2.5:1	UNLESS OTHERWISE SPECIFIED		LINEAR ???	L<30 ±0.15	
UNIT IN	mm	SCALE:	2.5:1	UNLESS OTHERWISE SPECIFIED		30<L<100 ±0.15	L>100 ±0.20	
DRAWING	数量	DATE	21-11-21	CHECKING	DATE	REV	01	

东莞市利信威电子有限公司

# Product Specification

## A. Electrical Characteristics

Frequency 5100MHz ~5900MHz

VSWR <2.0

Efficiency >50%

Impedance 50 Ohm

Polarization Line

Gain 2.75DBi

## B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.13 黑色

Connector Type : IPEX1

Dimension

## C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

## Test Equipment & Conditions

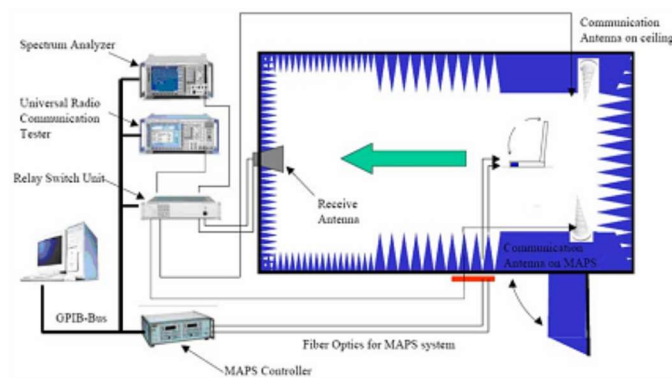
### 1. Network Analyzers :

Agilent 8753D 5071B

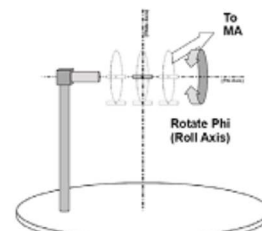
### 2. Communications Test Set:

Agilent E5515C

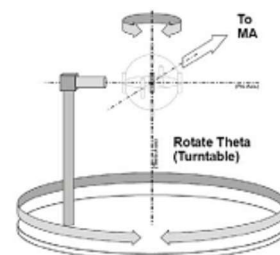
### 3. 3D Chamber Test System



(Testing by 3D anechoic chamber)

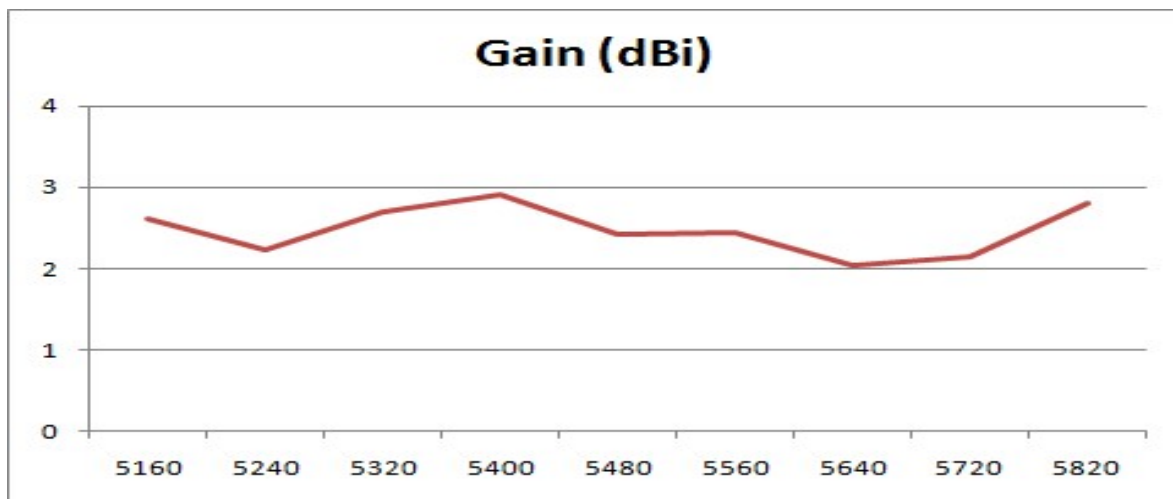
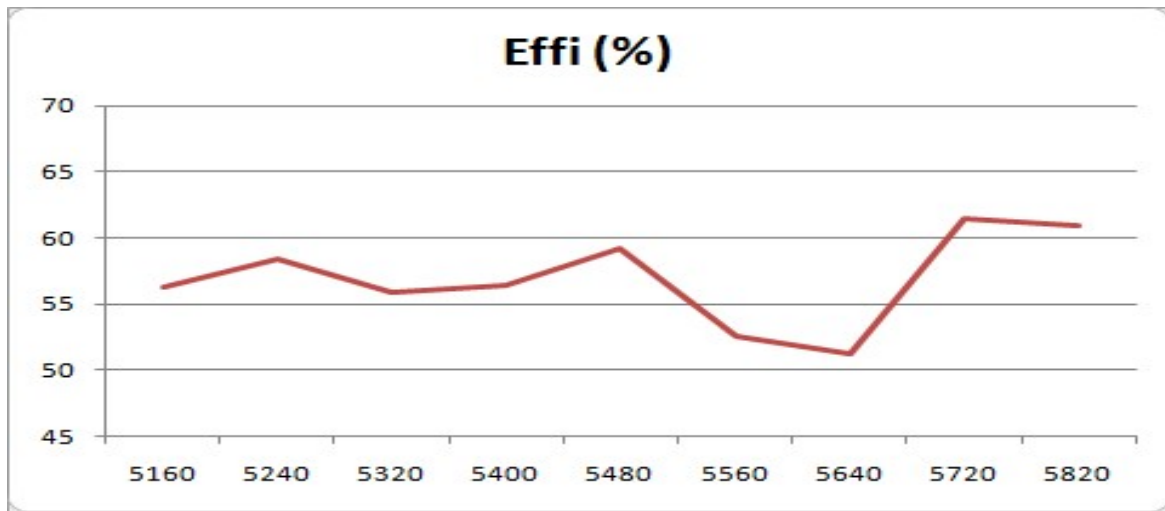


Phi axis test

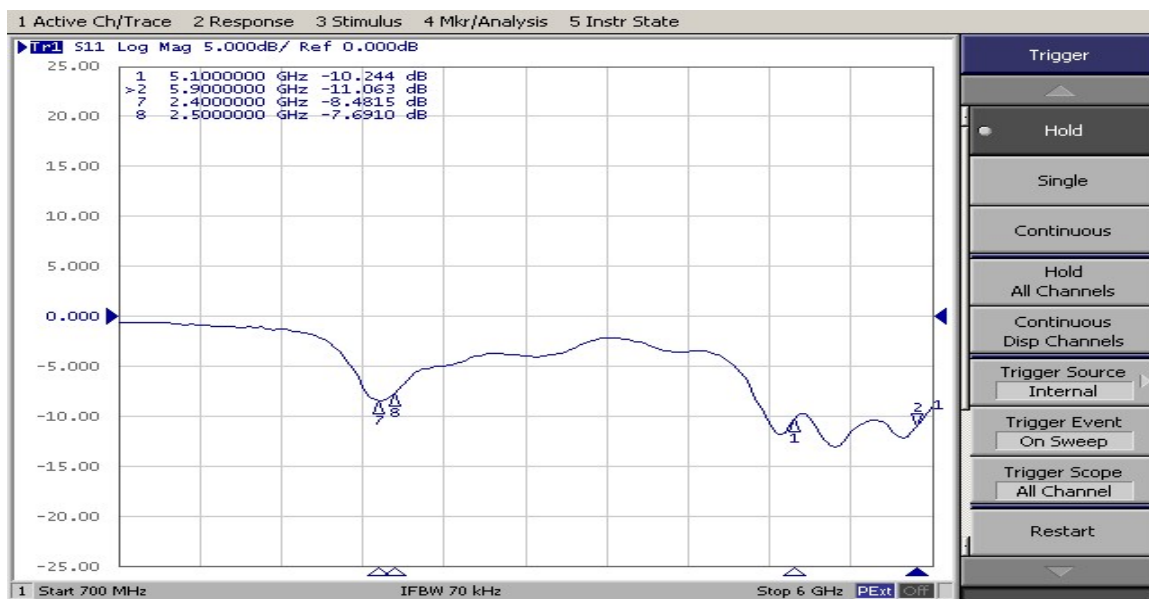


Theta axis test

# Efficiency & Gain

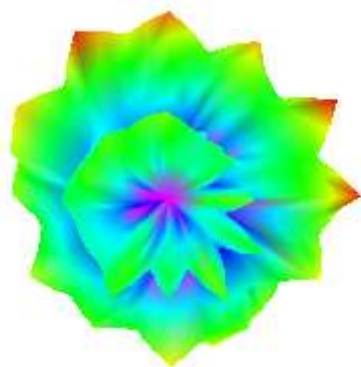


# 回波损耗

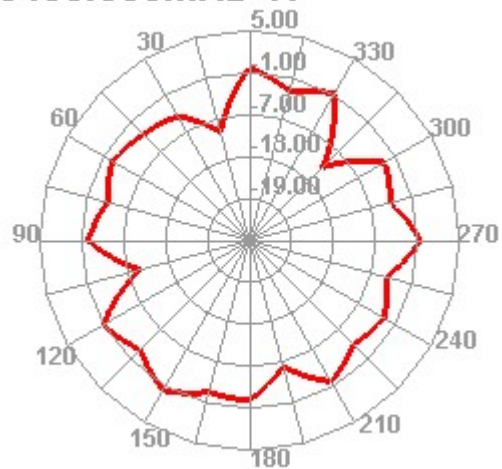


# 辐射方向图

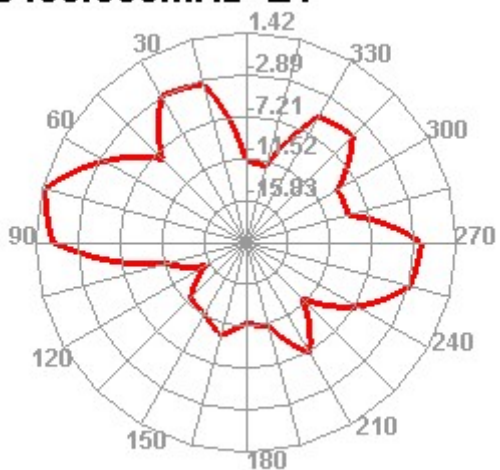
## 5480.000MHz



## 5480.000MHz H



## 5480.000MHz E1



## 5480.000MHz E2

