

Antenna Specification for Approval

客户名称

Customer Name: LOGIC

产品名称: _

Product Name: 2.4GCopper tube Antenna 180mm

客户型号:

Product Name: _____

产品料号:

Part NO.: C130H-IPXBT44-111-26-180R

制表:

Write By: 周敏

日期:

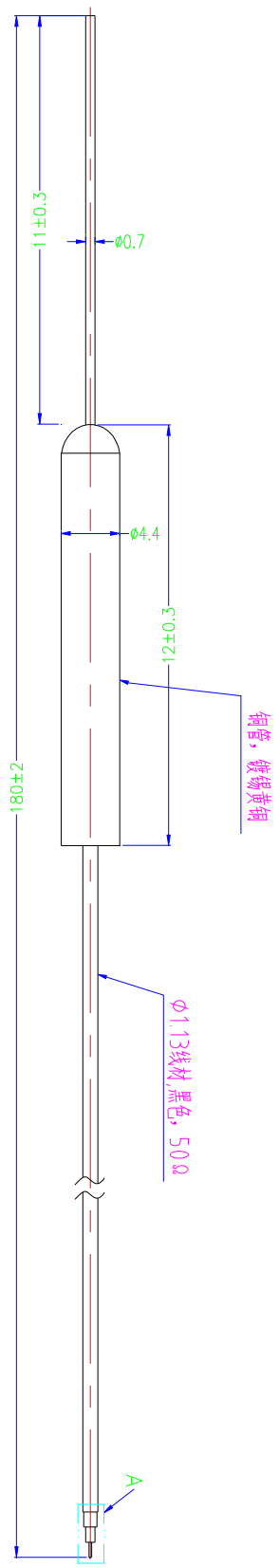
Issued Date: 2022-4-25

cliente

工程R&D Dept	采购Business Dept	承认 Approved By

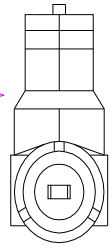
研发R&D Dept	工程 Engineer Dept	审核 Approval

料號	規格	單位	備註



φ1.13黑色铜管天线

1代端子



规格说明:
1 频率范围: 5.7GHz-5.9GHz;
2 功率增益: 2.0dBi。

A
4:1

TITLE:	天线		MATERIAL:	铜管	FINISH:	桶酸揭层
PART NO.:	C113H-IPXBT44/12-11-180R		TOLERANCE:	桶酸揭层	桶酸揭层	桶酸揭层
UNIT IN	mm	SCALE:	2.5:1	LINEAR 量规	±0.10	ANGULAR 量规
DRAWING	数量	DATE	18-10-21	30 < L < 100	±0.15	X.XX ±0.1°
素气		CHECKING	机气	L > 100	±0.20	X.X ±0.2°
		DATE		UNLESS OTHERWISE SPECIFIED		
		REV	01			

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 2.87DBi

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

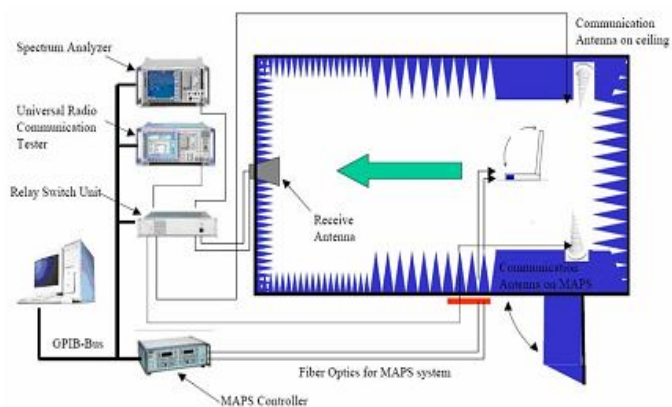
1. Network Analyzers :

Agilent 8753D 5071B

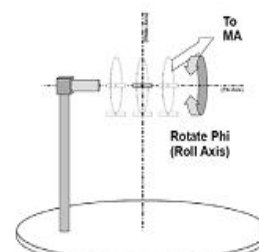
2. Communications Test Set:

Agilent E5515C

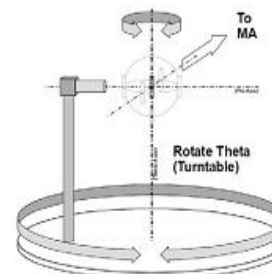
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



Phi axis test

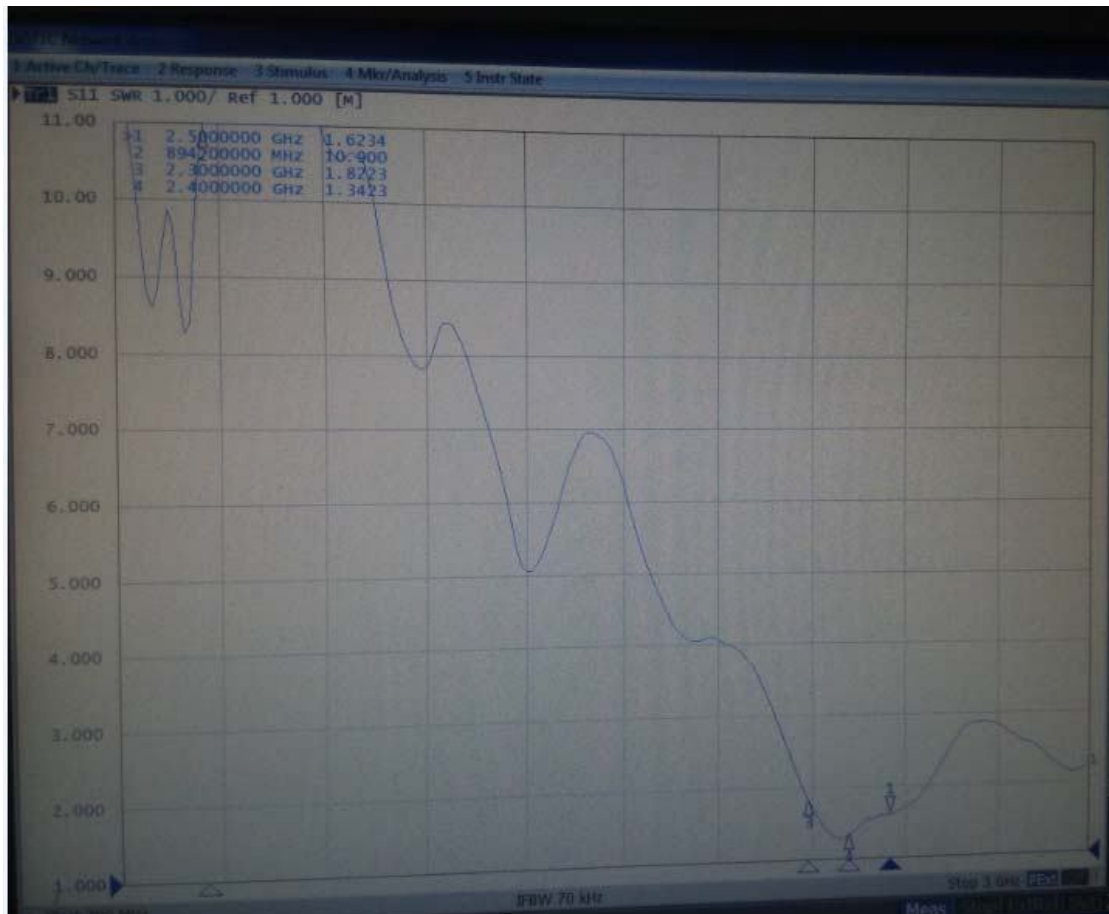


Theta axis test

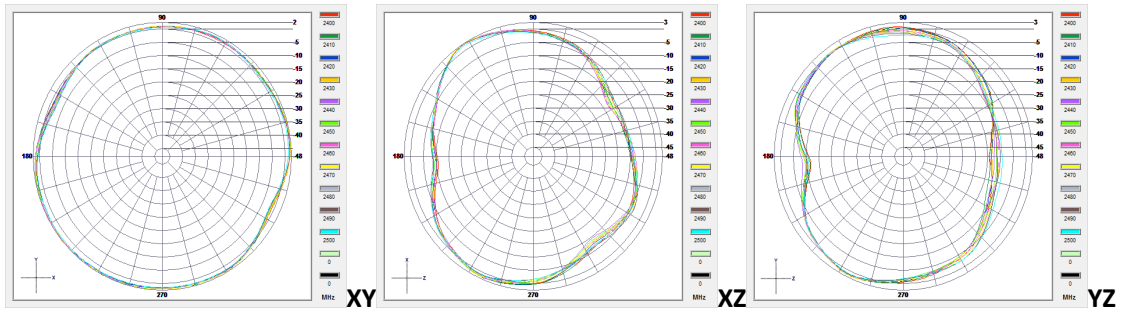
Efficiency & Gain

Freq (MHz)	Effi (%)	Gain (dBi)
2400	73.92	2.46
2410	73.63	2.80
2420	73.52	2.79
2430	74.42	2.87
2440	68.66	2.51
2450	73.22	2.62
2460	73.85	2.67
2470	72.96	2.71
2480	73.43	2.79
2490	68.54	2.77
2500	65.90	2.54

S11



Radiation Pattern:



2400 2410 2420 2430 2440 2450 2460 2470 2480 2490 2500

