

Dongguan Lixinwei Electronics Co., Ltd

Antenna Specification for Approval

Customer Name: Guangdong Meijiixin Innovation Technology Co.,
Ltd

Address: Xingye South Road, Laimei Industrial Park,
Chenghai District

Product Name: 2.4G antenna

Part NO.: C113H-3MMBT27-120R

Write By: Zhou Min

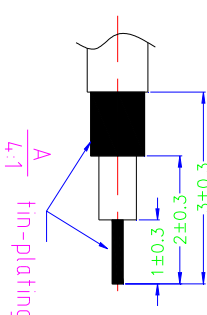
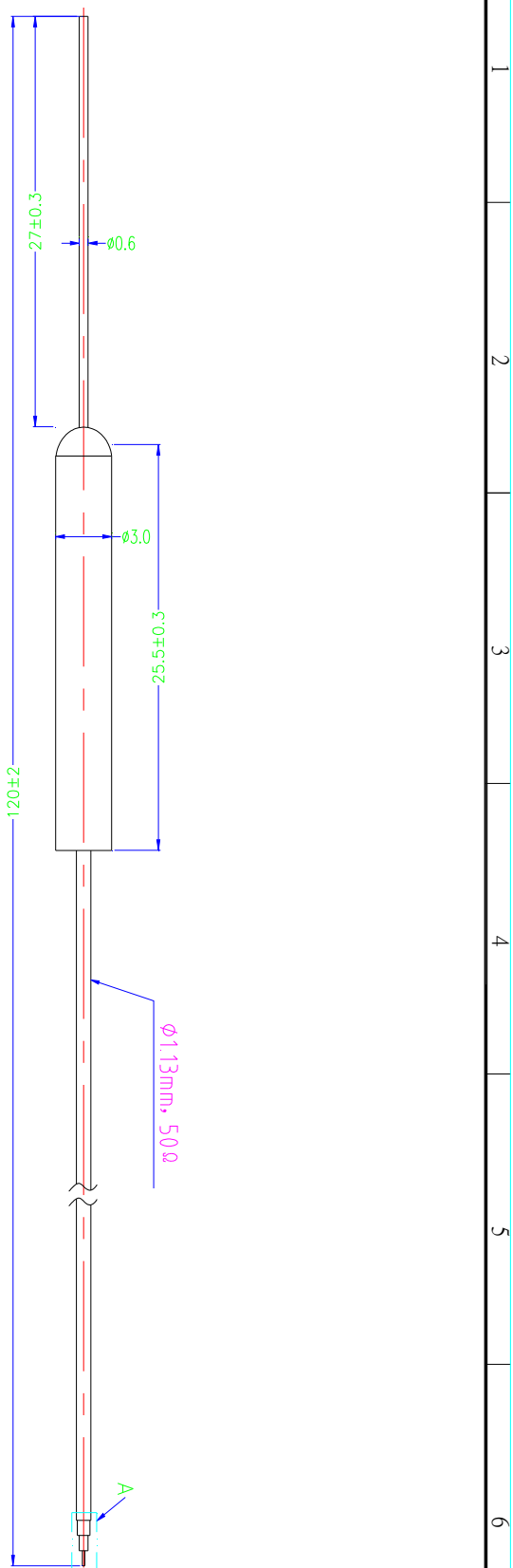
Issued Date: 2023-2-31

Customer:

R&D Dept	Business Dept	Approved By

Supplier

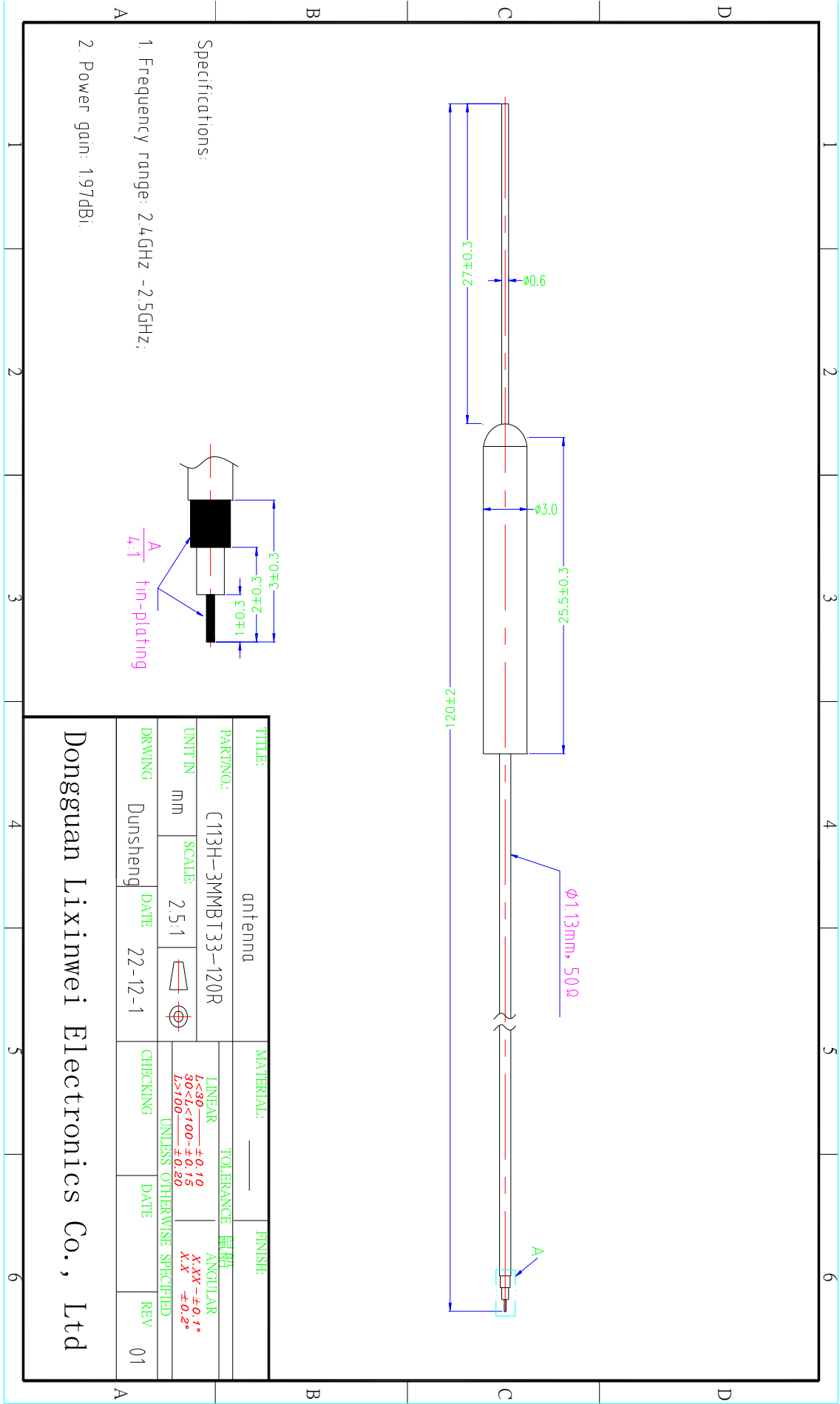
R&D Dept	Engineer Dept	Approval
Ni Sheng	Zhang Ming	xiong



- Specifications:
1. Frequency range: 2.4GHz -2.5GHz;
 2. Power gain: 1.97dBi.

TITLE: antenna		MATERIAL: _____		FINISH: _____	
PART/NO.: C113H-3MMBT33-120R		TOLERANCE 公差			
UNIT IN mm	SCALE: 2.5:1	LINEAR ±0.10 7.5:30 <100- ±0.15 25:100 ±0.20 UNLESS OTHERWISE SPECIFIED		ANGULAR X.XX - ±0.1° X.X ±0.2°	
DRAWING Dunsheg	DATE 22-12-1	CHECKING	DATE	REV	01

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Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <2.0

Efficiency >65%

Impedance 50 Ohm

Polarization Line

Gain 2DBi

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.13 black

Connector Type : NO

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

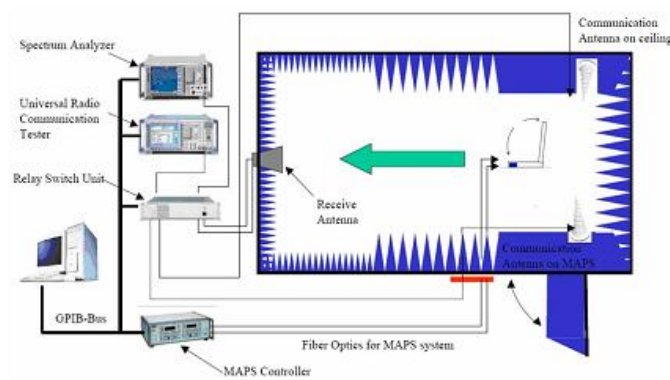
1. Network Analyzers :

Agilent 8753D 5071B

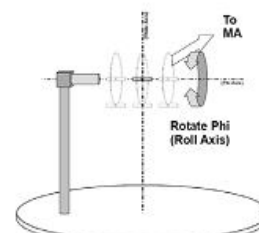
2. Communications Test Set:

Agilent E5515C

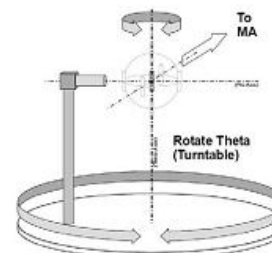
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



Phi axis test

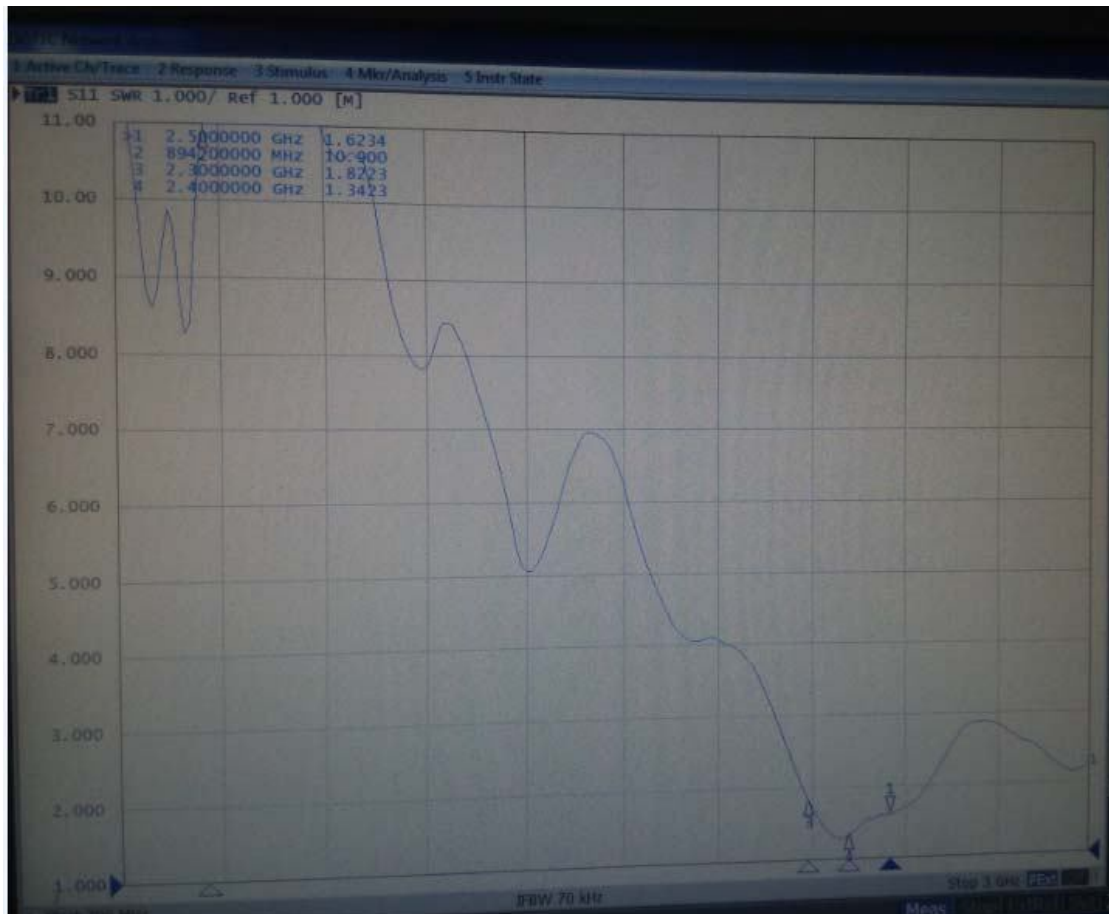


Theta axis test

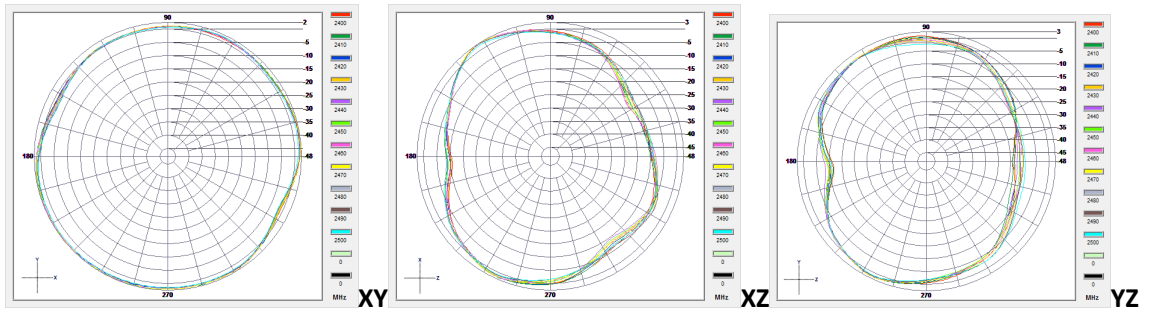
Efficiency & Gain

Freq (MHz)	Effi (%)	Gain (dBi)
2400	57.97	1.4
2410	64.83	1.86
2420	54.67	1.8
2430	52.56	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:



2400 2410 2420 2430 2440 2450 2460 2470 2480 2490 2500

