

Manufacturer: Shantou Longhu Saihang Toys Factory

Manufacturer add.: 1st Floor, No. 1, Beisheng East 4th Row, Daya Village, Longhua Street, Longhu District, Shantou City, Guangdong Province, China

## Antenna Specification for Approval

客户名称

Customer Name: \_\_\_\_\_

产品名称: \_\_\_\_\_

Product Name: 2.4G antenna length 38mm

客户型号:

Product Name: \_\_\_\_\_

产品料号:

Part NO.: C113H-11130-110

制表:

Write By: 周敏

日期:

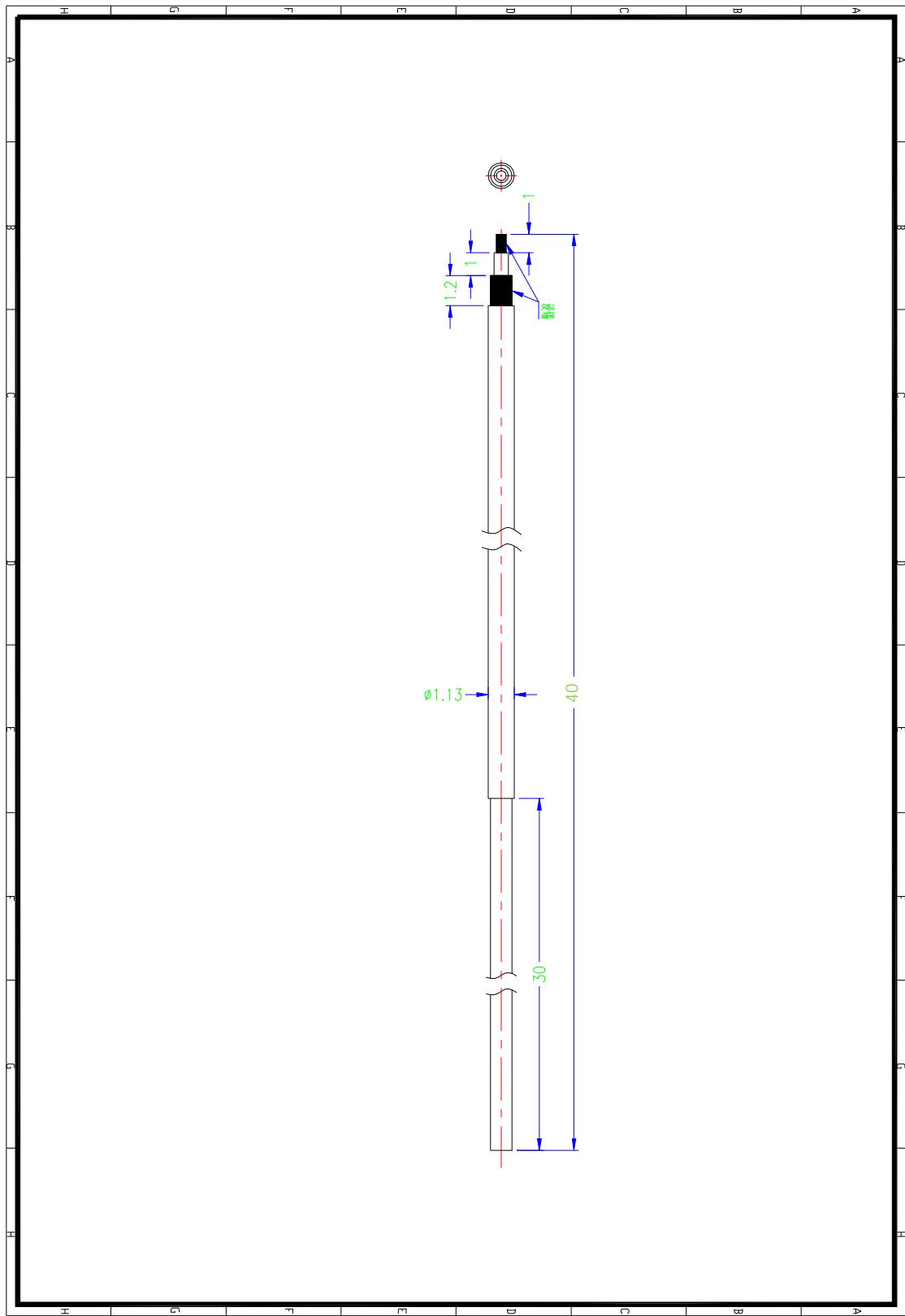
Issued Date: 2022-8-20

correspondent:

工程R&D Dept	采购Business Dept	承认 Approved By

LI XIN HUI

研发R&D Dept	工程 Engineer Dept	审核 Approval



# Product Specification

## A. Electrical Characteristics

**Frequency 2400MHz ~2500MHz**

**VSWR <3.0**

**Efficiency >50%**

**Impedance 50 Ohm**

**Polarization Line**

**Gain 0.17DBi**

## B. Material & Mechanical Characteristics

**Material of Radiator Cu**

**Cable Type 1.13 Iuency**

**Connector Type : NO**

**Dimension**

## C. Environmental

**Operation Temperature - 30 °C ~ + 80 °C**

**Storage Temperature - 30 °C ~ + 85 °C**

# Test Equipment & Conditions

## 1. Network Analyzers :

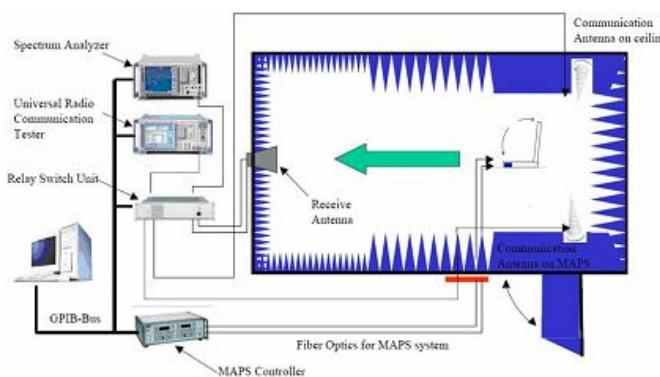
Agilent 8753D 5071B

## 2. Communications Test Set:

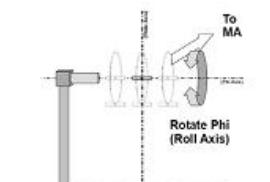
Agilent E5515C

## 3. 3D Chamber Test System

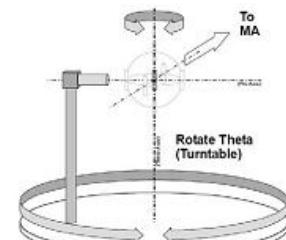
# Efficiency & Gain



(Testing by 3D anechoic chamber)



Phi axis test



Theta axis test

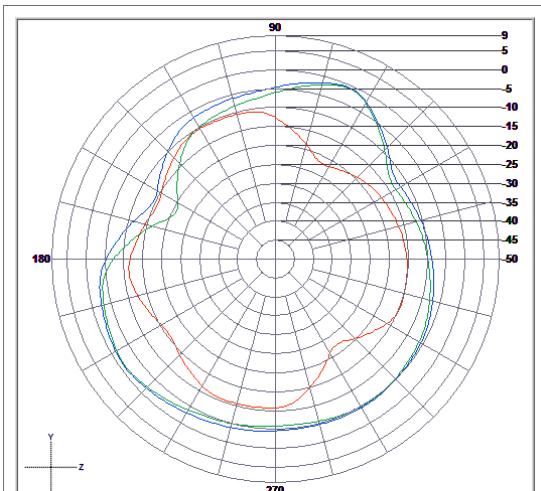
## Efficiency & Gain

2.40 -0.01

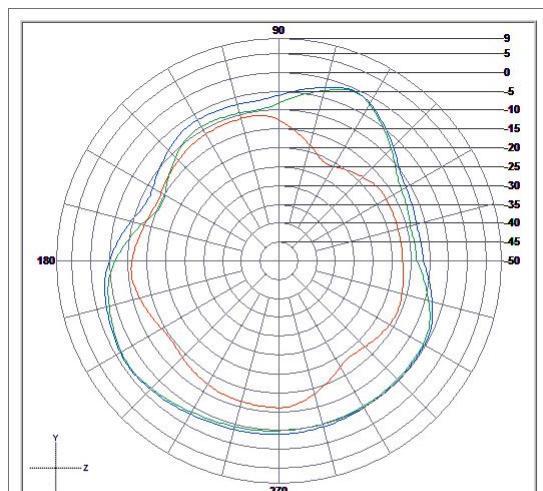
2.440 0.12

2.48 0.17

## Radiation Pattern:



	Vertical	Horizontal	Total
Avg. Gain	-13.14	-5.08	-4.45
Peak Gain	-10.08	-0.03	-0.01



	Vertical	Horizontal	Total
Avg. Gain	-13.34	-5.06	-4.46
Peak Gain	-10.3	0.09	0.12

