

# Dongguan Lixinwei Electronics Co., Ltd

## Antenna Specification for Approval

Customer Name: Ke yu

Address: \_\_\_\_\_

Product Name: 2.4G antenna

Part NO. : C137-3-33

Write By: Zhou Min

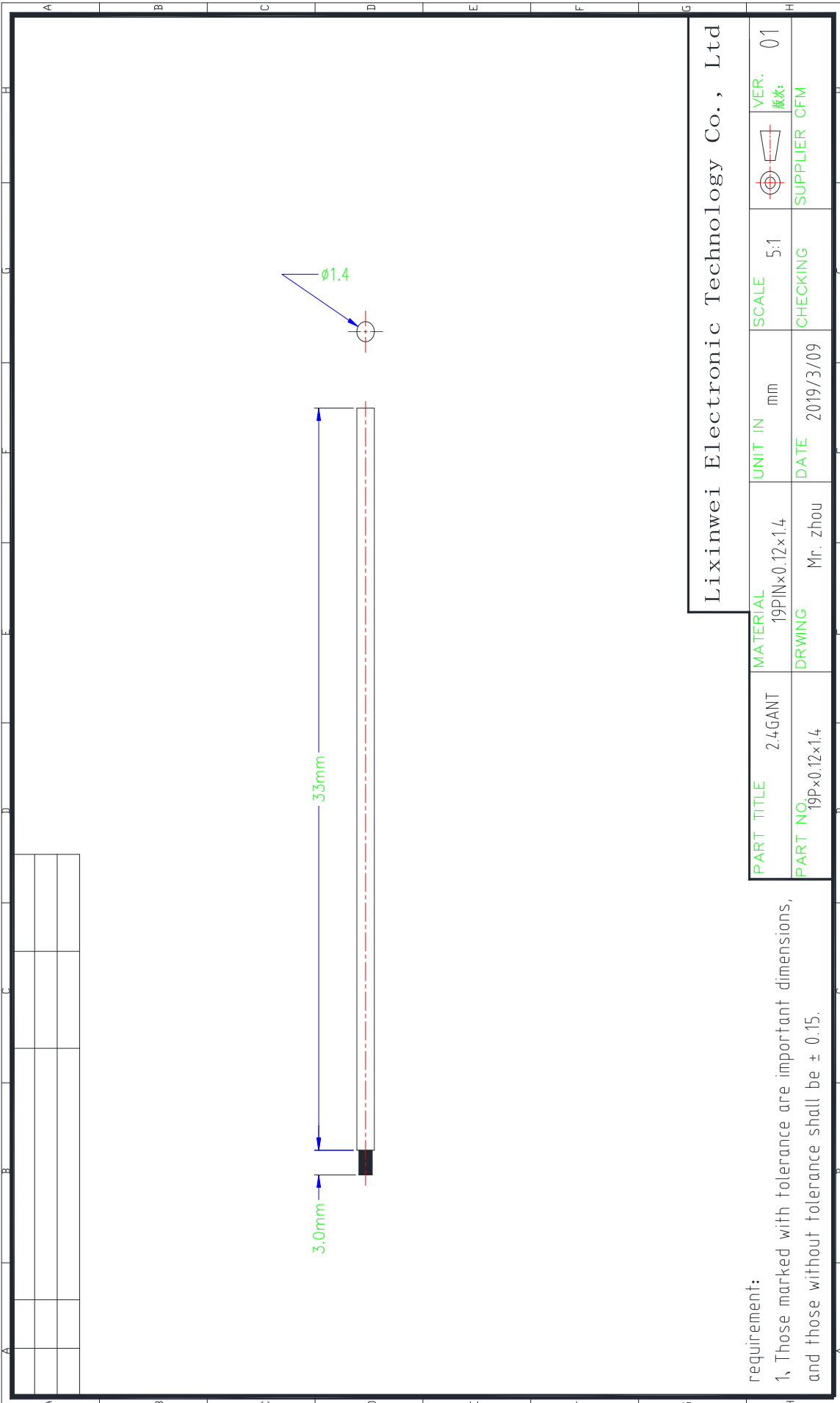
Issued Date: 2022-6-25

### Customer:

R&D Dept	Business Dept	Approved By

### Supplier

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



requirement:

- Those marked with tolerance are important dimensions, and those without tolerance shall be  $\pm 0.15$ .

# Product Specification

## A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <3.0

Efficiency >30%

Impedance 50 Ohm

Polarization Line

Gain: 0.58dBi

## B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type: 1.4 black

Connector Type : NO

Dimension

## C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

## Test Equipment & Conditions

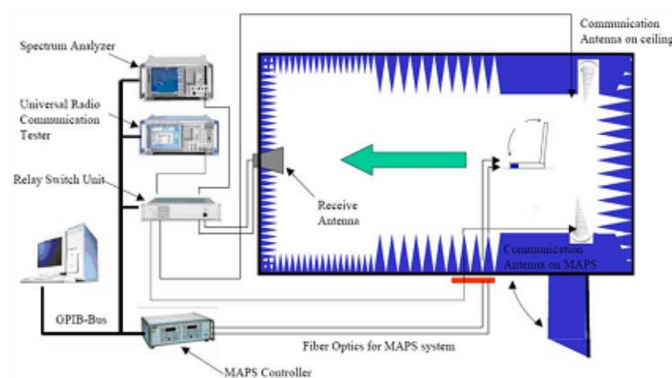
### 1. Network Analyzers :

Agilent 8753D 5071B

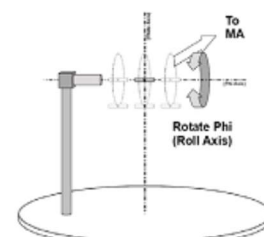
### 2. Communications Test Set:

Agilent E5515C

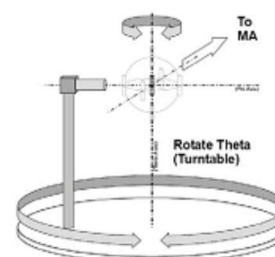
### 3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



Phi axis test



Theta axis test

# Peak Gain & Efficiency

2.40GHZ	0.41 dBi	26.5%
2.440 GHZ	0.58 dBi	29.7%
2.48 GHZ	0.51 dBi	29.1 %

## Radiation Pattern:

