

# Shenzhen First Link Cable Co., Ltd.

Address: Building 21, Wanfeng Industrial Complex, Shajing Street, Baoan District, Shenzhen City

## Antenna Specification for Approval

CustomerName: Shenzhen Moxiang Technology Co., Ltd.

ProductName: 2.4G antenna, total length of 22mm, red color

ProductName: \_\_\_\_\_

Part NO.: C10- 35- 2.5

WriteBy: Zhuang Jiebin

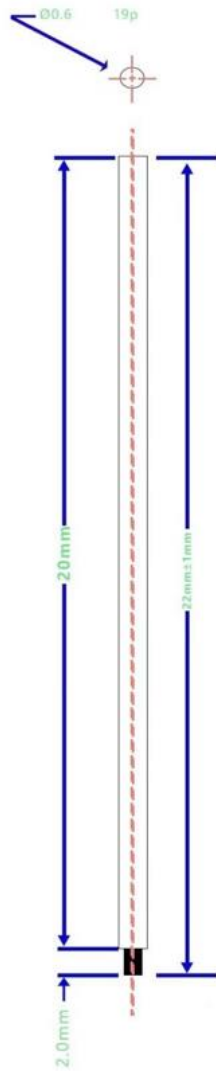
IssuedDate: 2021- 10-08

## Customer:

| <i>R&amp; D Dept</i> | <i>Business Dept</i> | <i>Approved By</i> |
|----------------------|----------------------|--------------------|
|                      |                      |                    |

## First Link

| <i>R&amp; D Dept</i>  | <i>Engineer Dept</i> | <i>Approval</i>      |
|-----------------------|----------------------|----------------------|
| <u>Zhuang Caihong</u> | <u>Zhuang Jiebin</u> | <u>Zhuang Jiebin</u> |



## Product Specification

### A. Electrical Characteristics

Frequency 2400MHz~2500MHz VSWR<3.0

Efficiency >30%

Impedance 50

Ohm Polarization

Line Gain 0.17dBi

### B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.0 19P

Connector Type : NO

Dimension

### C. Environmental

Operation Temperature - 30 °C ~ + 80° C

Storage Temperature - 30 ° C~+ 85 ° C

## Test Equipment & Conditions

### 1. NetworkAnalyzers:

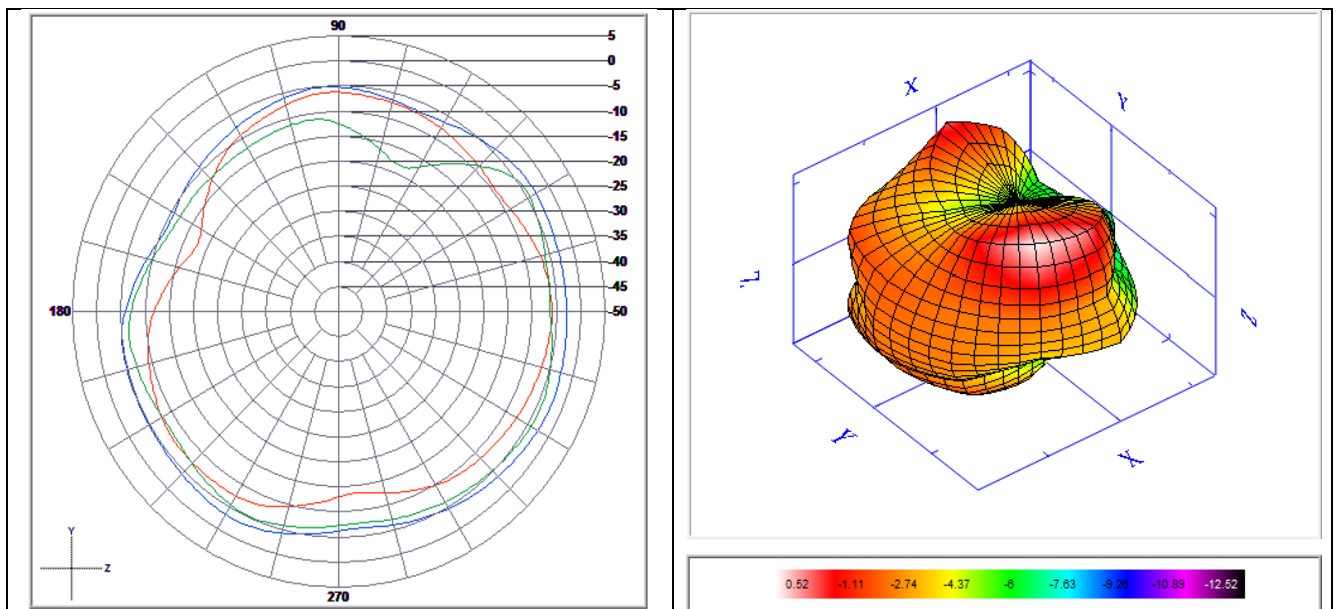
Agilent 8753D 5071C

### 2. Communications TestSet:

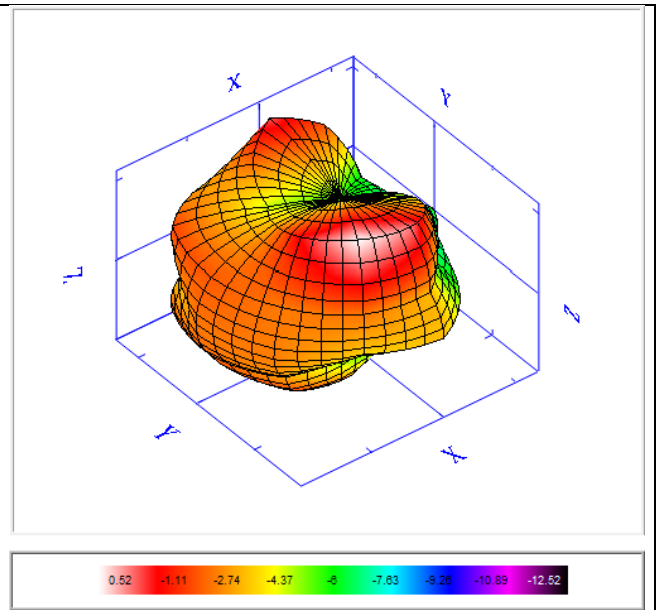
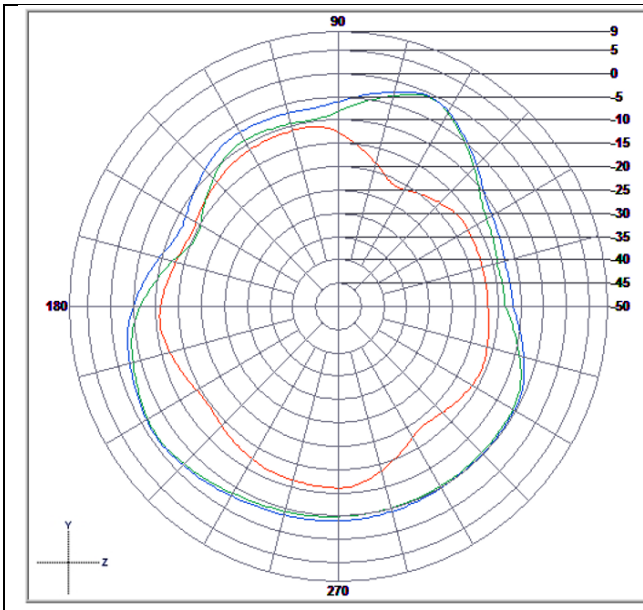
Agilent E5525C

### 3. 3D Chamber TestSystem

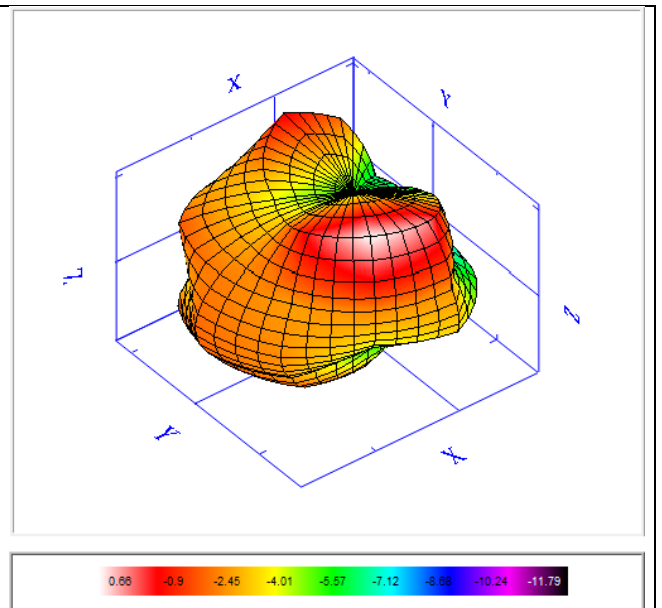
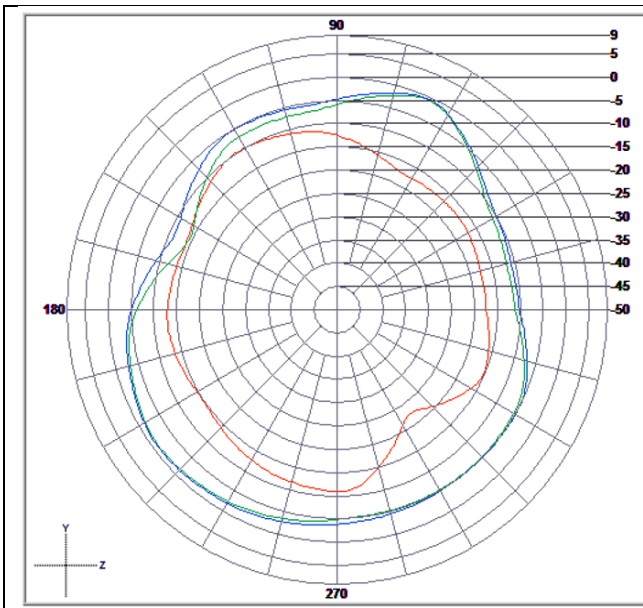
## Radiation Pattern:



| 2402MHz        | Vertical | Horizontal | Total |
|----------------|----------|------------|-------|
| Avg. Gain(dBi) | -8.40    | -6.99      | -4.63 |
| Peak Gain(dBi) | -5.48    | -3.77      | -2.17 |



| 2440MHz        | Vertical | Horizontal | Total |
|----------------|----------|------------|-------|
| Avg. Gain(dBi) | -13.34   | -5.06      | -4.46 |
| Peak Gain(dBi) | -10.30   | 0.09       | 0.12  |



| 2480MHz        | Vertical | Horizontal | Total |
|----------------|----------|------------|-------|
| Avg. Gain(dBi) | -13.42   | -4.6       | -4.06 |
| Peak Gain(dBi) | -9.47    | 0.10       | 0.17  |