

# Shenzhen Yixiantong Cable Co., Ltd

Address: Shenzhen Baoan District manhole street Wanfeng 98 Industrial City 21 building

## *Antenna Specification for Approval*

*CustomerName:*                     MOYOUNG                    

*ProductName:*                     2.4G antenna length 22mm                    

*ProductName:P*                     ZW81 Pro                    

*art NO.:*                     C10- 35- 2.5                    

*WriteBy:*                     Zhuangjiebin                    

*IssuedDate:*                     2021- 10-08                    

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### Customers:

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

### Yixiantong

<i>R&amp; D Dept</i>	<i>Engineer Dept</i>	<i>Approval</i>
Zhuangcaihong	Zhuangjiebin	Zhuangjiebin



22mm

# *Product Specification*

## *A. Electrical Characteristics*

**Frequency 2400MHz**

**~2500MHz VSWR<3.0**

**Efficiency >30%**

**Impedance 50**

**Ohm Polarization**

**Line Gain**

**0.17 DBi**

## *B. Material & Mechanical Characteristics*

**Material of Radiator Cu**

**Cable Type 1.0 19P Red**

**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 5071C*

### ***2. Communications Test Set:***

*Agilent E5525C*

### ***3. 3D Chamber Test System***

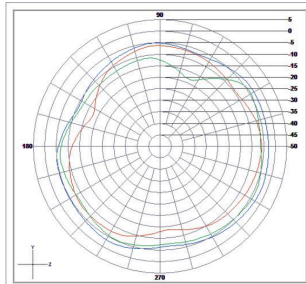
# Efficiency & Gain

2.40 - 0.00

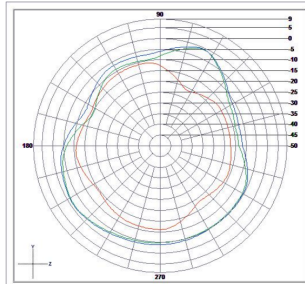
2.440 - 0.11

2.48 - 0.13

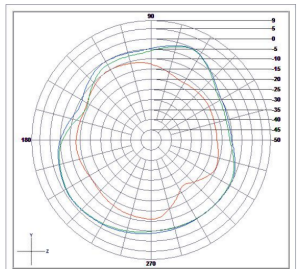
## Radiation Pattern:



	Vertical	Horizontal	Total
Avg. Gain	-8.4	-6.99	-4.63
Peak Gain	-5.48	-3.77	-2.17



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



	Vertical	Horizontal	Total
Avg. Gain	-13.42	-4.6	-4.06
Peak Gain	-9.47	0.1	0.17

