

# Antenna Specification

Supplier name: JIADE WIRELESS

Material name: WIFI Antenna

Specification and model: SLK-WF2-R-100I-B

Product Description: 2.4G&5G FPC Cable 100MM Black

Acknowledgment Version: A2 2022-06-20

PROITAV Material code: J.03.01WF2R1000

Drawing version No: A2 : FPCSize reduction:1MM

Customer Signature

Supplier Signature

Quality  
Department

R&D

Safety  
regulations

Approval

Formulate

Lei. Zhang

Qiang. Wang

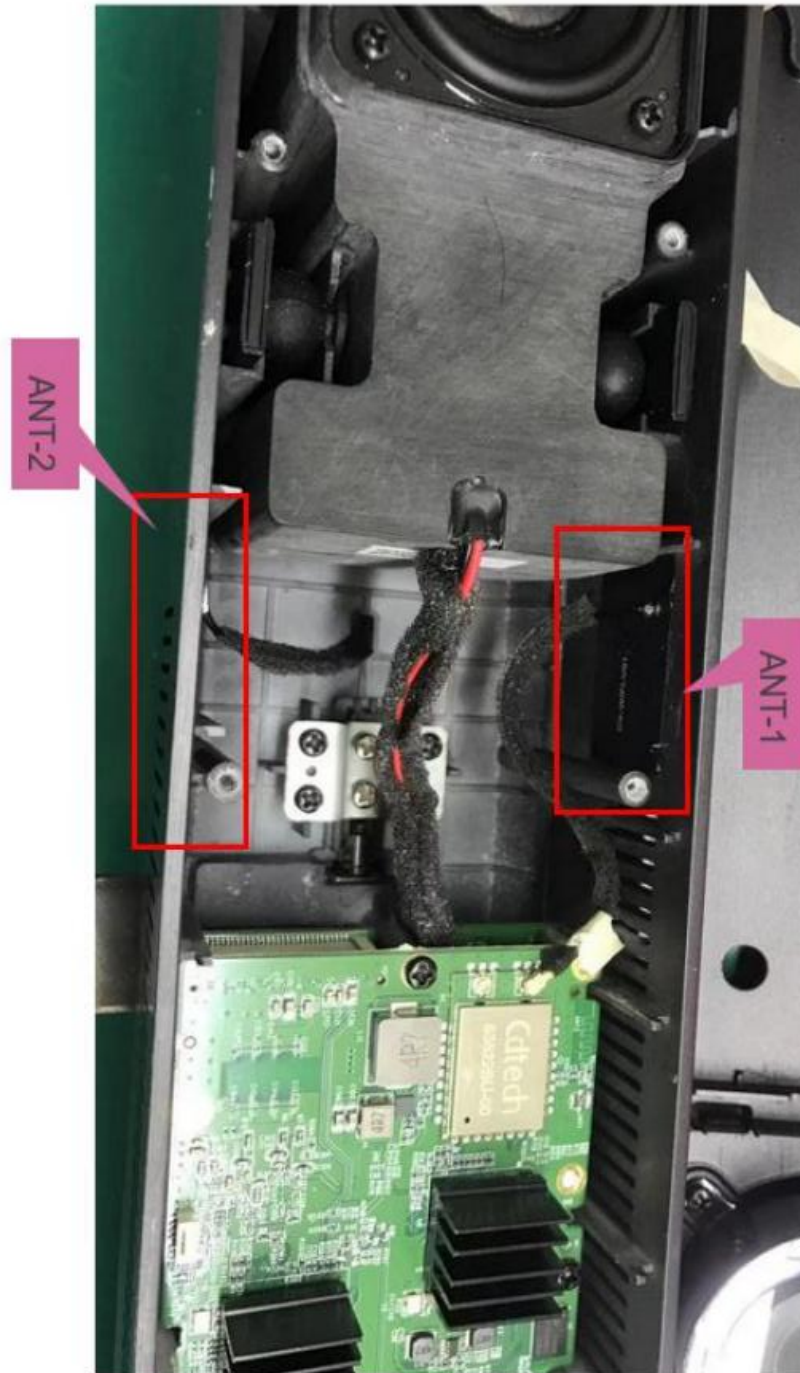
## *Catalogue*

| <i>Item</i> | <i>Description</i>  |
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| 一、-----     | Specification sheet |
| 二、-----     | Antenna Map         |
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## 一、Specification sheet:

| 电性能指标 Main Electrical Specifications           |                           |
|------------------------------------------------|---------------------------|
| 频率范围 Frequency Range (MHz)                     | 2400~2500,5150~5850       |
| 频宽 Bandwidth (MHz)                             | 2000~6000                 |
| 输入阻抗 Input Impedence ( $\Omega$ )              | $50 \pm 5$                |
| 电压驻波比 V.S.W.R                                  | $\leq 3.0$                |
| 增益 Gain (dBi)                                  | 3.17                      |
| 极化形式 Polarization Type                         | Vertical & Horizontal     |
| 最大功率 Max Power Capacity (w)                    | 10                        |
| 机械指标 Mechanical Specifications                 |                           |
| 材料 Material                                    | FPC+Cable                 |
| 辐射方向 Radiation Direction                       | Omnidirectional           |
| 工作温度 Working Temp( $^{\circ}\text{C}$ )        | -40~85 $^{\circ}\text{C}$ |
| 储存温度 Storage Temperature( $^{\circ}\text{C}$ ) | -40~85 $^{\circ}\text{C}$ |
| 固定方式 Mounting                                  | Welding                   |

## 二、Antenna Map:



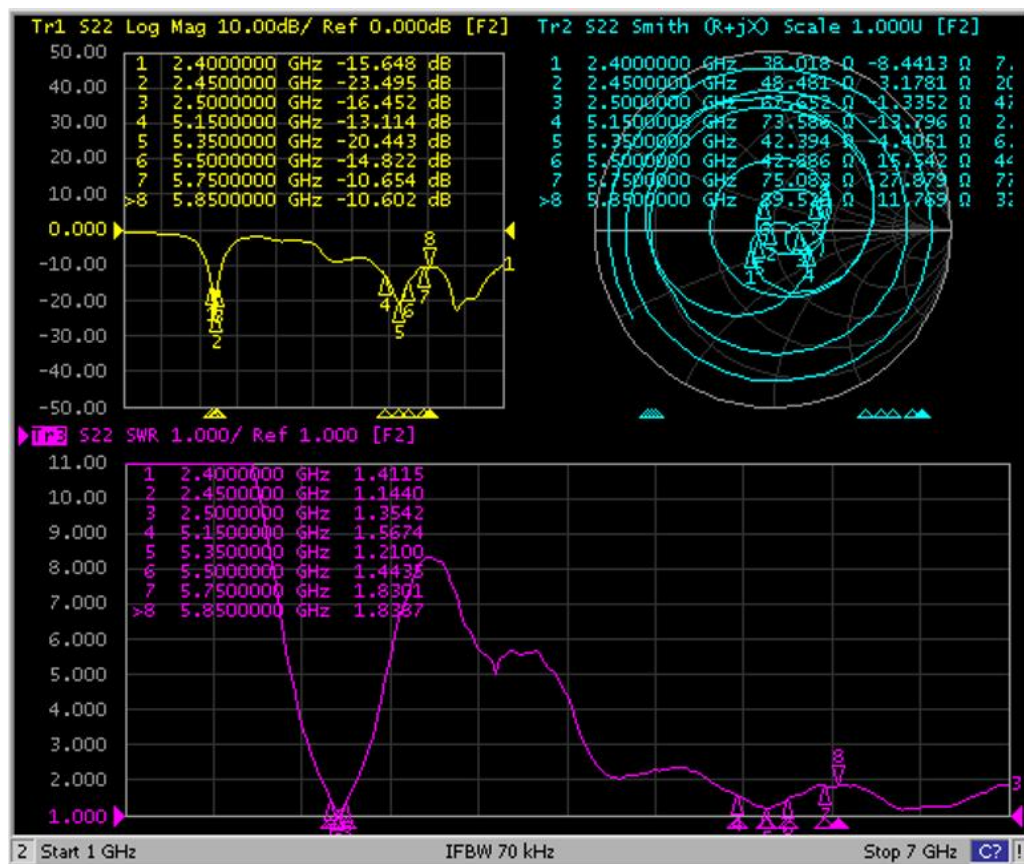
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Mobile: 135 9015 6632

### 三、Test Date:



|            | ANT-2    |            |
|------------|----------|------------|
| Freq (MHz) | Effi (%) | Gain (dBi) |
| 2400       | 50.70    | 1.08       |
| 2450       | 55.05    | 1.25       |
| 2500       | 51.02    | 0.95       |
| 5150       | 50.93    | 0.78       |
| 5350       | 50.92    | 1.84       |
| 5500       | 53.95    | 2.16       |
| 5750       | 51.72    | 2.79       |
| 5850       | 54.34    | 3.17       |

#### 四、Structural Drawing:

