



Dongguan YiJia Electronics Communication Technology Co.,Ltd.

## SPECIFICATION FOR APPROVAL

|          |            |
|----------|------------|
| Date     | 2023/05/26 |
| File No  | 23052601   |
| Revision | 1.0        |

CUSTOMER: Guide Sensmart

CUSTOMER NO: ZG26

PART NAME: WIFI Antenna L=95mm MHF

SUPPLIER NO: YJT01.220.018.303A

Date: Q “TY:

| CUSTOMER APPROVED BY |       |            |
|----------------------|-------|------------|
| APPROVAL             | CHIEF | SUPERVISOR |
|                      |       |            |

| SUPPLIER SIGNATURE                                                                                  |       |             |
|-----------------------------------------------------------------------------------------------------|-------|-------------|
| APPROVAL                                                                                            | CHECK | DESIGN      |
| <br>ChenGuoqiang | XieLi | LiaoGuangxi |

YJ-RD-F04-A

add: Tel:0769-82586086 Fax:0769-82586086

RoHS  
Compatible

CUSTOMER  
PART NO

REV.

DESCRIPTION

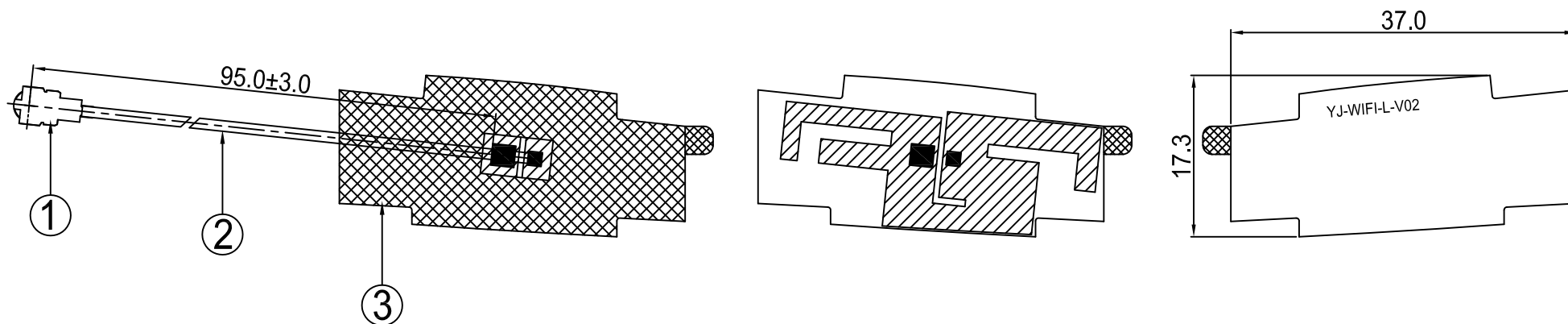
DATE

A

2023-04-13

B

2023-05-25



|    |                |                |          |               |      |
|----|----------------|----------------|----------|---------------|------|
| 3  | FPC            | 37.0*17.3mm    | FPC      | FPC11XXA.P01  | 1    |
| 2  | Coaxial Cable  | O.D.1.13 Black | O.D.1.13 | COA100XXA.P01 | 1    |
| 1  | Mini Connector |                | Cu       | TER100XXA.P01 | 1    |
| NO | PART NAME      | DESCRIPTION    | Material | Part Number   | Q.TY |



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PART NAME: WIFI Antenna L=95mm MHF

PART NO.: YJT01.220.018.301A

DATE: 2023-05-25

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance  
X.X ±0.50  
X.XX±0.15  
X° ±3°

UNITS: mm

SCALE: 1/1

REVISION: B



# Antenna Specification

## Electrical Properties

|              |                  |
|--------------|------------------|
| Frequency    | 2.4-2.5GHz       |
| Impedance    | 50 Ohm Nominal   |
| V.S.W.R      | 2.0 Max          |
| Gain         | 3.27 dBi         |
| Radiation    | Omni-directional |
| Polarization | Linear           |

## Physical Properties

|                         |                       |
|-------------------------|-----------------------|
| Connector               | First generation IPEX |
| Cable Type              | O.D.1.13mm            |
| Cable Length            | 50mm                  |
| Cable Color             | Gray                  |
| Operating Temp.         | -40 ~ +85 °C          |
| Storage Temp / Humidity | 25±5°C / <70%         |



| Passive Test For WiFi(2.4G) |             |              |               |
|-----------------------------|-------------|--------------|---------------|
| Freq<br>(MHz)               | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) |
| 2400                        | 41.1        | -3.9         | 3.02          |
| 2410                        | 41.2        | -3.9         | 2.82          |
| 2420                        | 41.3        | -3.8         | 2.95          |
| 2430                        | 41.0        | -3.9         | 3.12          |
| 2440                        | 41.9        | -3.8         | 3.27          |
| 2450                        | 41.9        | -3.8         | 3.22          |
| 2460                        | 40.9        | -3.9         | 2.78          |
| 2470                        | 40.8        | -3.9         | 2.65          |
| 2480                        | 40.0        | -4.0         | 2.79          |
| 2490                        | 39.7        | -4.0         | 2.85          |
| 2500                        | 40.5        | -3.9         | 2.99          |



## Radiation Pattern For WiFi(2.4G)

**2400.000MHz**

