



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: ZG24

PART NAME: WIFI Antenna L=95mm MHF

SUPPLIER NO: YJT01.220.018.301A

Date: Q “TY:

CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

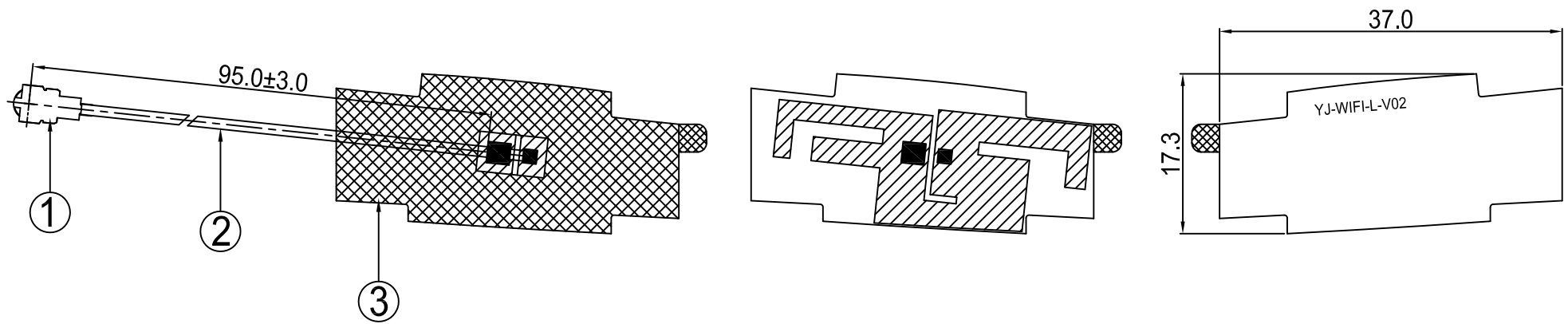
SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
 ChenGuoqiang	XieLi	LiaoGuangxi

YJ-RD-F04-A


**RoHS**  
Compatible

CUSTOMER	
PART NO	


REV.	DESCRIPTION	DATE
△		2023-04-13
△		2023-05-25



3	FPC	37.0*17.3mm	FPC	FPC11XXXA.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



Dongguan YiJia Electronics Communication Technology Co.,Ltd. Tel :0769-82586086 Fax:0769-82586086

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

<b>Electrical Properties</b>	
Frequency	2.4-2.5GHz 5.15-5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	1.0 dBi
Radiation	Omni-directional
Polarization	Linear
<b>Physical Properties</b>	
Connector	First generation IPEX
Cable Type	O.D.1.13mm
Cable Length	115mm
Cable Color	Gray
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25 ± 5 °C / <70%



Passive Test For WiFi(2.4G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	41.1	-3.9	0.0
2410	41.2	-3.9	0.0
2420	41.3	-3.8	0.0
2430	41.0	-3.9	0.1
2440	41.9	-3.8	0.2
2450	41.9	-3.8	0.3
2460	40.9	-3.9	0.4
2470	40.8	-3.9	0.5
2480	40.0	-4.0	0.6
2490	39.7	-4.0	0.8
2500	40.5	-3.9	1



## Radiation Pattern For WiFi(2.4G)

**2400.000MHz**

