



Dongguan YiJia Electronics Communication Technology Co.,Ltd.

SPECIFICATION FOR APPROVAL

Date	2023/12/19
File No	23121901
Revision	1.0

CUSTOMER: Guise Sensmart

CUSTOMER NO: ZG36

PART NAME: WIFI Antenna L=80mm MHF

SUPPLIER NO: YJT01.220.026.301A

Date:

Q “TY:

CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
 ChenGuoqiang	XieLi	ChenXingyi

YJ-RD-F04-A

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

RoHS
Compatible

CUSTOMER
PART NO

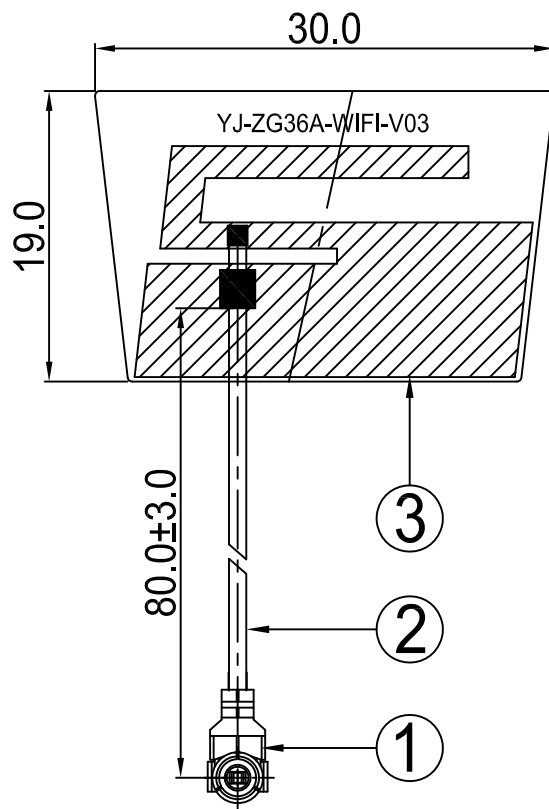
REV.

DESCRIPTION

DATE



2023-12-15



3	FPC	30.0*19.0mm	FPC	FPC11XXA.P01	1
2	Coaxial Cable	O.D.1.13 Black	O.D.1.13	COA100XXA.P01	1
1	Mini Connector	Au Plated 1	Cu	TER100XXA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY



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PART NAME: WIFI Antenna L=80mm MHF

PART NO.: YJT01.220.026.301A

DATE: 2023-12-15

APPROVED BY

CHECKED BY

DESIGNED BY



UNITS: mm

SCALE: 1/1

REVISION: A

Tolerance
X.X ±0.50
X.XX±0.15
X° ±3°



Antenna Specification

Electrical Properties

Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.5 Max
Gain	2.1 dBi
Radiation	Omni-directional
Polarization	Linear

Physical Properties

Connector	First generation IPEX
Cable Type	O.D.1.13mm
Cable Length	80mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%



Passive Test For WiFi Antenna(2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	34.4	-4.6	0.6
2410	35.8	-4.5	0.8
2420	35.1	-4.6	0.8
2430	34.6	-4.6	0.9
2440	36.1	-4.4	1.1
2450	37.8	-4.2	1.5
2460	37.6	-4.3	1.6
2470	39.0	-4.1	2.0
2480	39.0	-4.1	2.1
2490	38.9	-4.1	2.0
2500	36.5	-4.4	1.7



Radiation Pattern For WiFi Antenna(2450MHz)

