



Zhihe Xing- DPF 1001 WIFI2.4G antenna
acknowledgment
Product Specifications for Approval

The Part number: WF2194B-0814R-80 MIAN

WF029-0814R-80 AUX

The customer name:Zhihe Xing Models: DPF 1001

Antenna band: WIFI2.4G

Version: R-A

Date: 2023-5-23

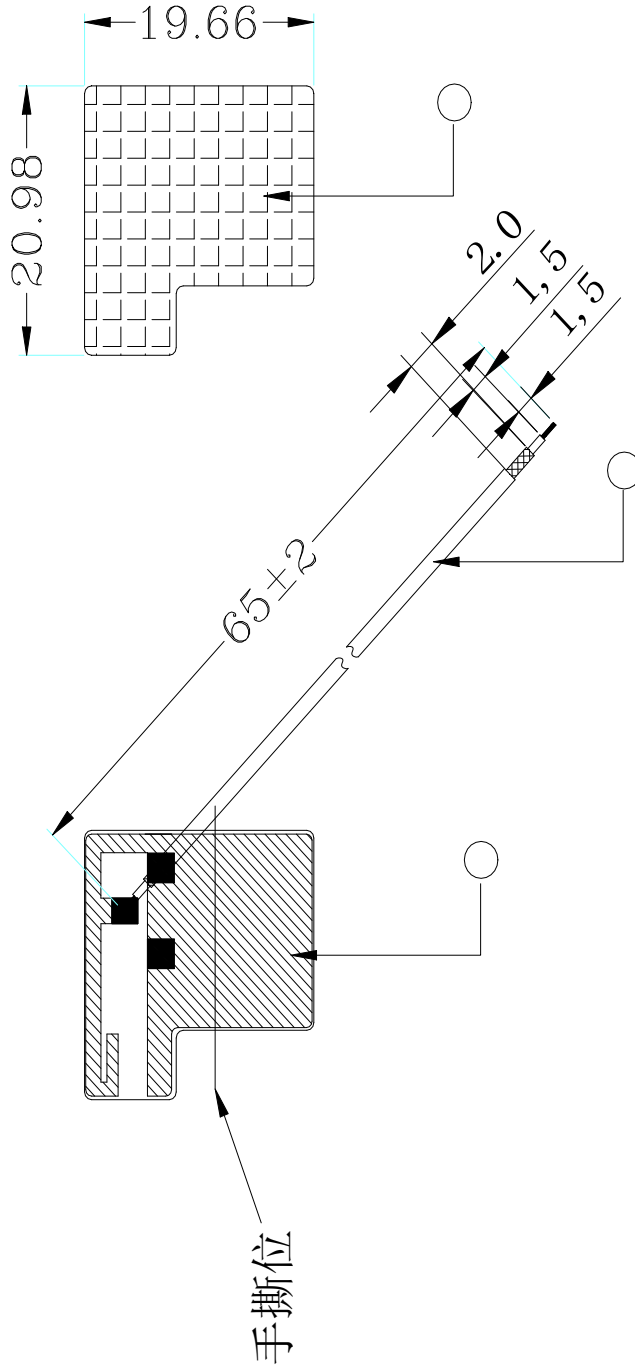
Shenzhen ShunDaCheng Technology Co.,Ltd.			
MD:	<u>chenwei</u>	RF:	<u>yangyonghui</u>
Audit:	<u>fuxuerong</u>	Approval:	<u>chenhuaming</u>
Customer Confirmation			
Customer audit:		Customer approval:	

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R106 SERIES 2.4G FPC Antenna(Up side)

[illegible]

[ARTICLE: 044032 V4]

1. Project information and Electrical Specification

*Those specifications were specially defined for **Zhihe Xing**-DPF 1001 , **WIFI2.4G**, and all characteristics were measured under the model's handset testing jig .*

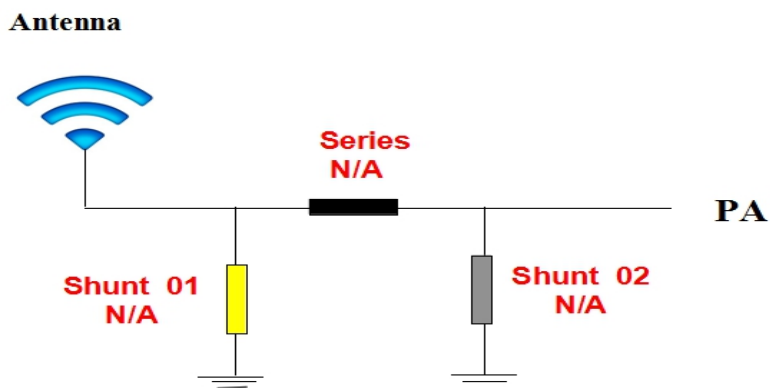
1-1 Antenna picture



1-2 Electrical parameter:

Frequency Band	MHz
WIFI2.4G	2400-2500 (MHz)

1-3 Impedance matching



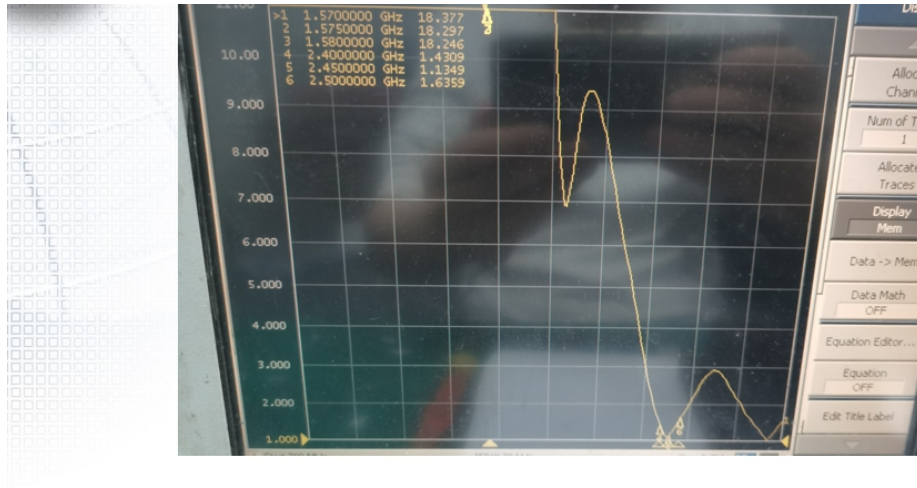
Antenna original match without change

2.VSWR

Measuring Method:

1. A 50 Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the VSWR,
2. Keeping this jig away from metal at least 20cm.

VSWR parameter values



Frequency(MHz)	2400	2450	2500
VSWR	1.43	1.131.63	

3. Efficiency and Gain*measuring and test instruments:

Microwave Darkroom, Agilent Network Analyzer, Agilent Spectrum Analyzer, 8960 Integrated Tester, Standard Antenna

* Test method:

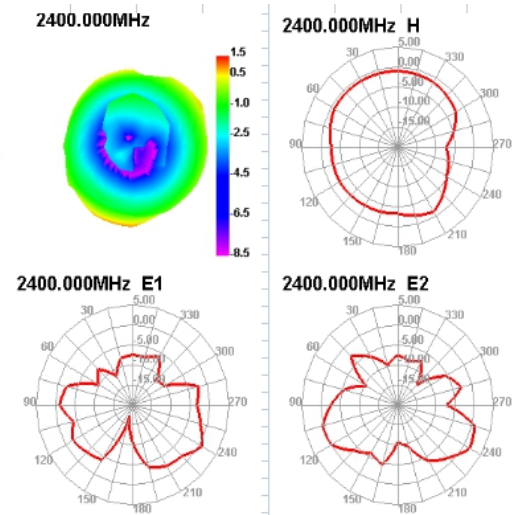
The equipment is fixed at the center of the turntable in the center of the turntable, with the center of the horn antenna on the same horizontal line.

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Efficiency/Gain-WIFI2.4G/5.8G/BT

Gain & Efficiency

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	43.26	1.45
2450	43.18	1.41
2500	42.95	1.39

**4.WIFI OTA**

2.4G	802.11b, (2.4G)11M		
Channel	CH1	CH6	CH11
TRP	13.23	14.37	13.89
TIS	-74.52	-74.6	-74.39

5.The production index

Antenna production, the standing wave ratio as a production test standards.

According to the difference between the project itself, given the following criteria:

frequency	Production standards
WIFI2.4G	VSWR (Production products) $< \text{VSWR}(\text{Design samples}) \pm 0.5$

6. Antenna Location Map

