



**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>fluxuerong</u>	Approval:	<u>chenhuaming</u>
Customer Confirmation			
Customer audit:		Customer approval:	

Company address:Floor 4, building B5, xinfu industrial park, chongqing road, fuyong town, baoan district, shenzhen

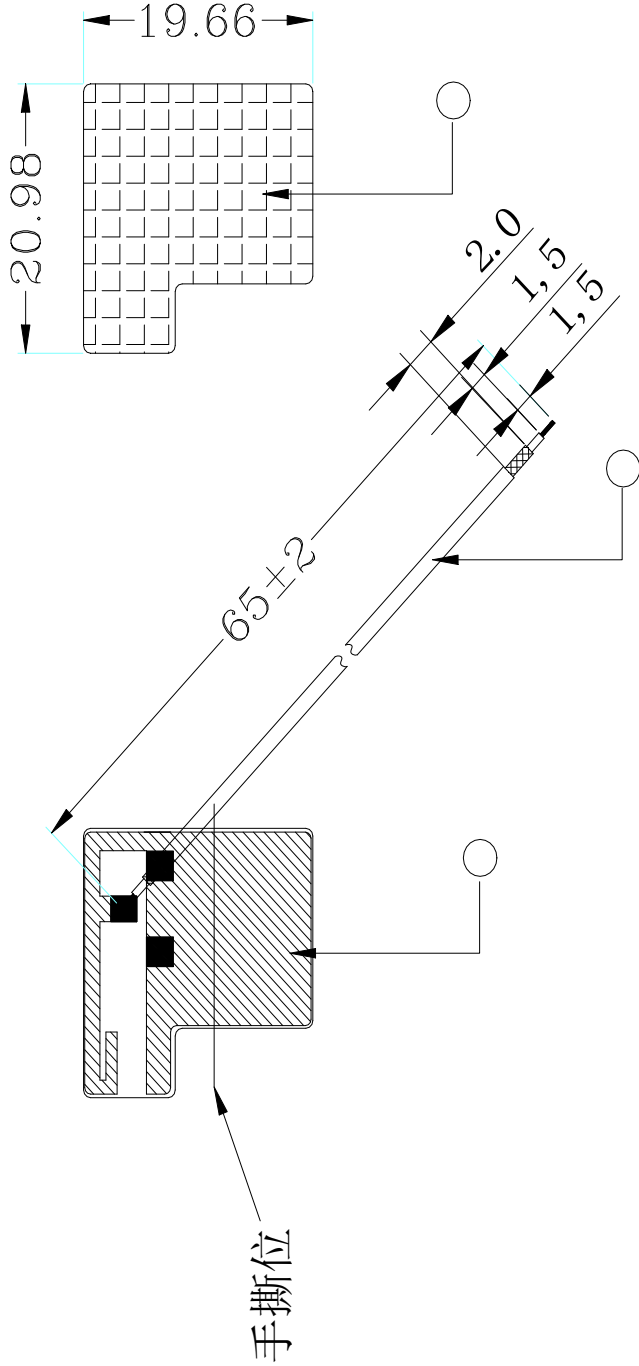
The phone:0755-27211658

Fax:0755-29485750

Customer Drawing			
REV	DATE	DESCRIPTION	ECN NO.
A	21.07.9	NEW RELEASE	
			NAME
			MISS LDO

独家研发 仿冒必究

R106 SERIES 2.4G FPC Antenna(Up side)



1 2 3

RoHS Compliant

PART NO.:		WFO29A-A65R-A	
SHEN DA CHENG ELECTRONICS CO., LTD		SHENZHEN SHUNDACHENG TECHNOLOGY CO., LTD	
TITLE: 2.4G FPC Antenna(Up side)			
1	DRAWN BY	SHINEY HE0	DRAWING NO. WFO29A-A65R-A
1	CHECKED BY		DRAWING SIZE A4
1	APPROVED BY		UNIT mm
QTY	SORTING NO.	SDC	PAGE 1 OF 1
DESCRIPTION			
NO.	ITEM		
5.			
4.	Conductive cloth		
3.	CAF-Y196008 3M Size:20.98mm * 19.66mm		
2.	CM0160-01000011-01 FR.T.Size:20.98mm * 19.66mm		
1.	GMINI-178B01D1SX OD:1.13mm Coaxial Cable, FEP Grey Jacket L=65mm		
[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 .

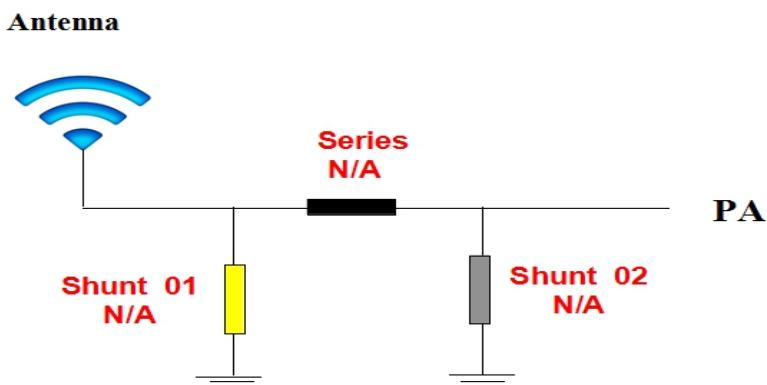
1-1 Antenna picture



1-2 Electrical parameter:

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

1-3 Impedance matching



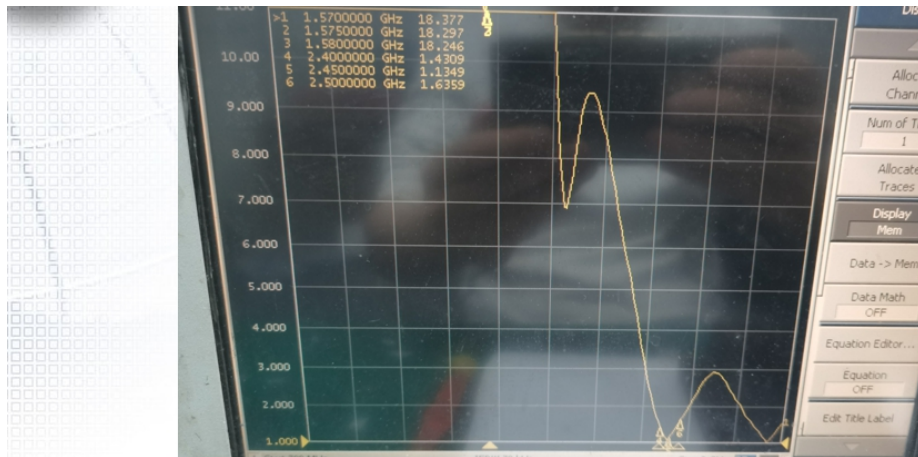
Antenna original match without change

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:

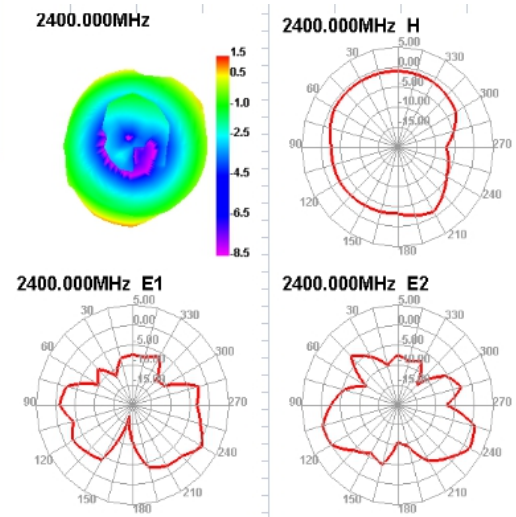
The equipment is fixed at the center of the turntable in the center of the turntable, with the center of the horn antenna on the same horizontal line.

o

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) <VSWR(Design samples)+/-0.5

6. Antenna Location Map

