



YinZhong- AB1 WIFI2.4G/5.8G/BT antenna acknowledgment Product Specifications for Approval

The Part number: WF2194B-0814R-80 MIAN

WF029-0814R-80 AUX

The customer name: YinZhong **Models:** AB1

Antenna band: WIFI2.4G/5.8G/BT

Version: R-A

Date: 2023-5-10

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:	

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

The phone: 0755-27211658

Fax: 0755-29485750

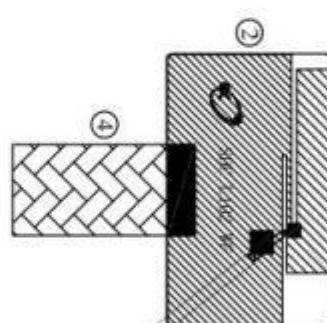
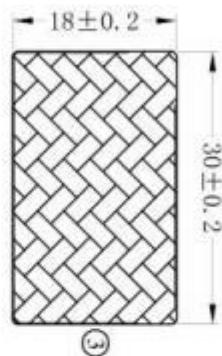
RoHS Compliant

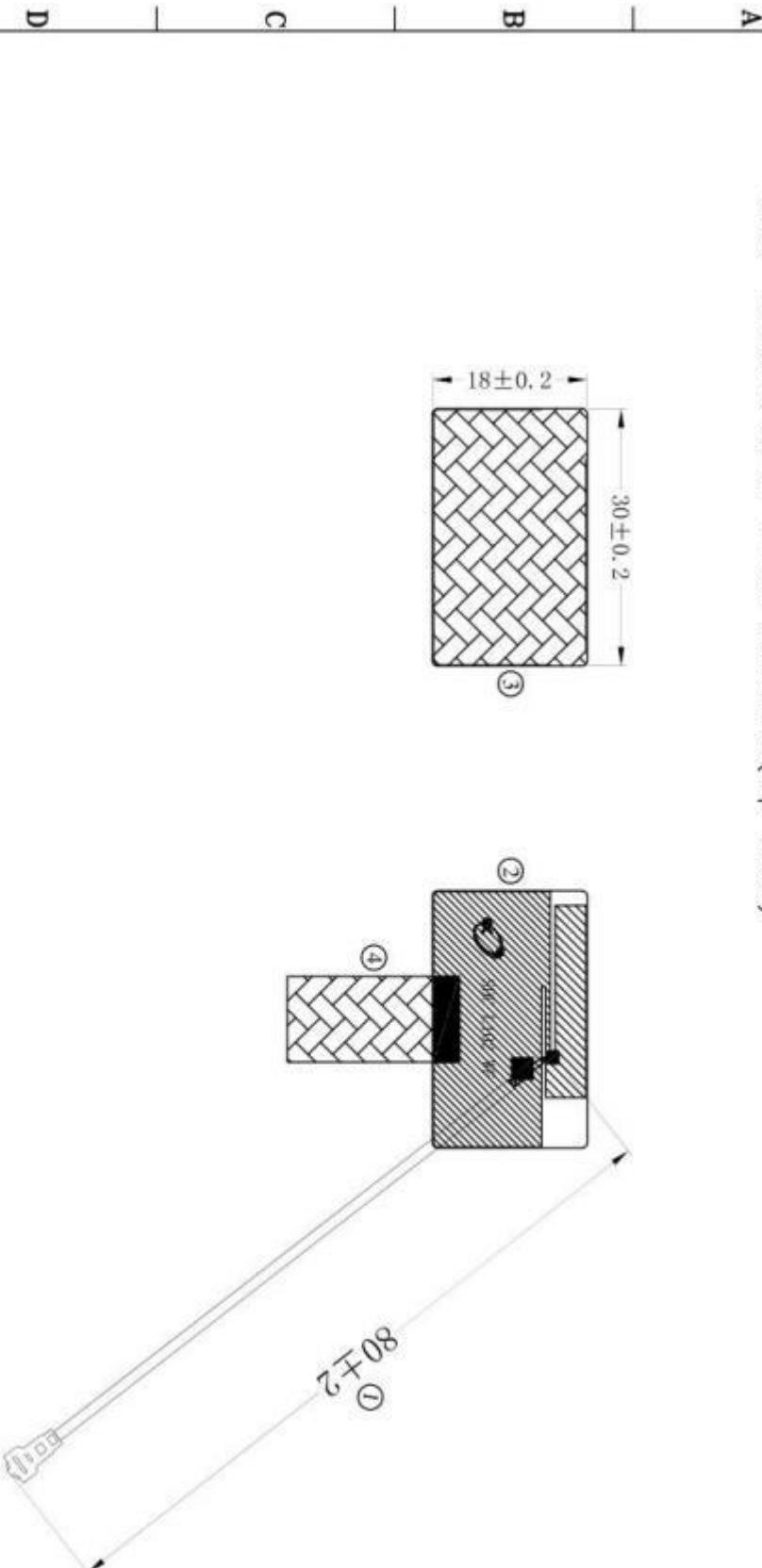
AB1 SERIES 2.4G FPCB Antenna(Up side)

独家研发 仿冒必究

Customer Drawing

REV	DATE	DESCRIPTION	ECN NO.	NAME
A	2009.01	NEW RELEASE		MISS LUG



$$80^{\circ} \pm 10^{\circ}$$


PART NO.: WF2194B-0814R-801	
TITLE: 2.4G FPCB Antenna(Up side)	
E. 4. Conductive cloth Size: 10mm • 20mm.	
5. GAP-Y196008 3M Size: 30mm • 18mm.	
3. GM0160-010000011-01 FR.T: 0.18mm, Size: 30mm • 18mm	
2. GM/INT-178801D11SK OD: 0.81mm, Coaxial Cable, FEP Black Jacket L=80mm, IPEX4	
ITEM	DESCRIPTION
NO	QTY

[ARTICLE: 044032 V4]

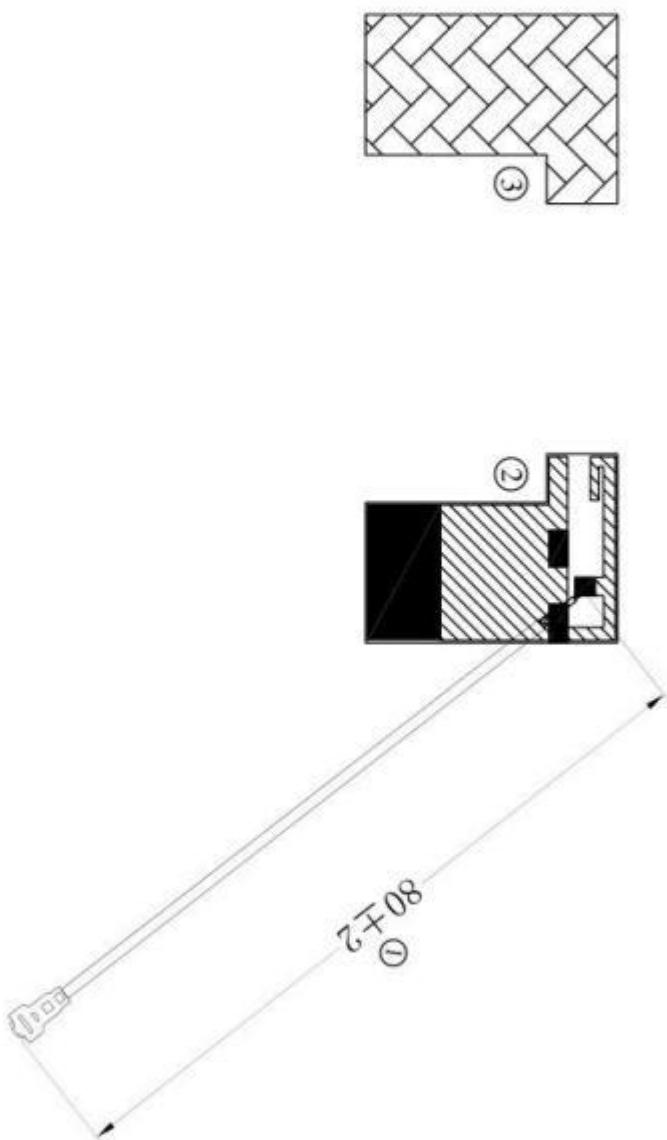
RoHS Compliant

029 SERIES 2.4G FPCB Antenna(Up side)

独家研发 仿冒必究

Customer Drawing

REV	DATE	DESCRIPTION	ECN NO.	NAME
A	2009.01	NEW RELEASE		SHINEY HEO



			A	B	C	D
6.						
5.						
E. 4.	GAP-Y196008	3M Size:28mm * 21mm				
3.	GM0160-01000011-D1	FR.T:0.18mm,Size:28mm * 21mm				
2.	GM0160-178B01D1SX	OD:0.81mm Coaxial Cable, FEP Gray Jacket L=80mm, IP6X4				
1.	ITEM	DESCRIPTION	QTY	SORTING NO.	SDC	PAGE
NO						1 OF 1

深圳市顺达成科技有限公司 PART NO.:
Shun Da Cheng ELECTRONICS CO., LTD WFO29-0814R-80M

TITLE: 2.4G FPCB Antenna(Up side)

DRAWN BY SHINEY HEO DRAWING NO. WFO29-0814R-80M

CHECKED BY

DRAWING SIZE A4

APPROVED BY

UNIT mm

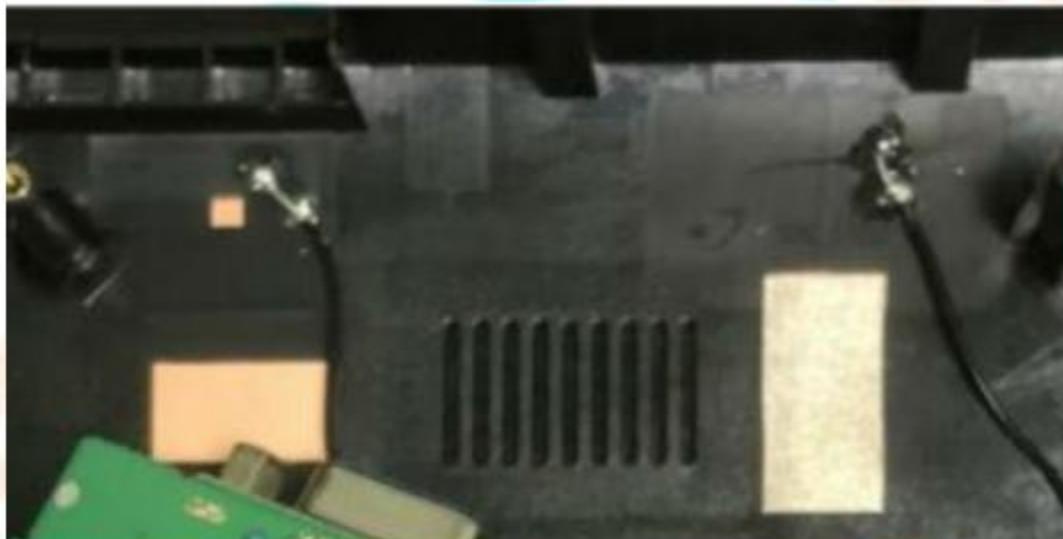
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1. Project information and Electrical Specification

*Those specifications were specially defined for **YinZhong-AB1** , **WIFI2.4G/5.8G/BT**, and all characteristics were measured under the model's handset testing jig .*

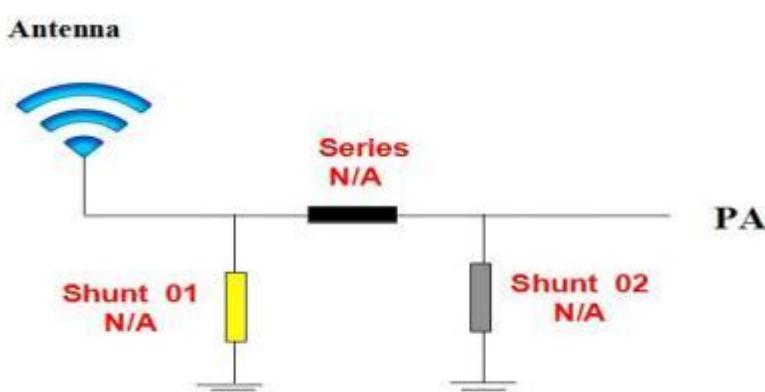
1-1 Antenna picture



1-2 Electrical parameter:

Frequency Band	MHz
WIFI2.4G/5.8G/BT	2400-5800 (MHz)

1-3 Impedance matching



Antenna original match without change

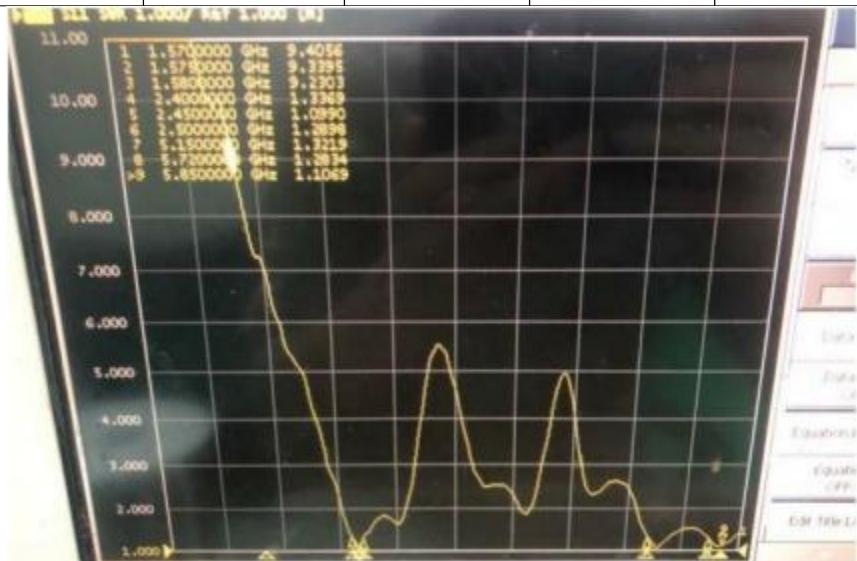
2. VSWR

Measuring Method:

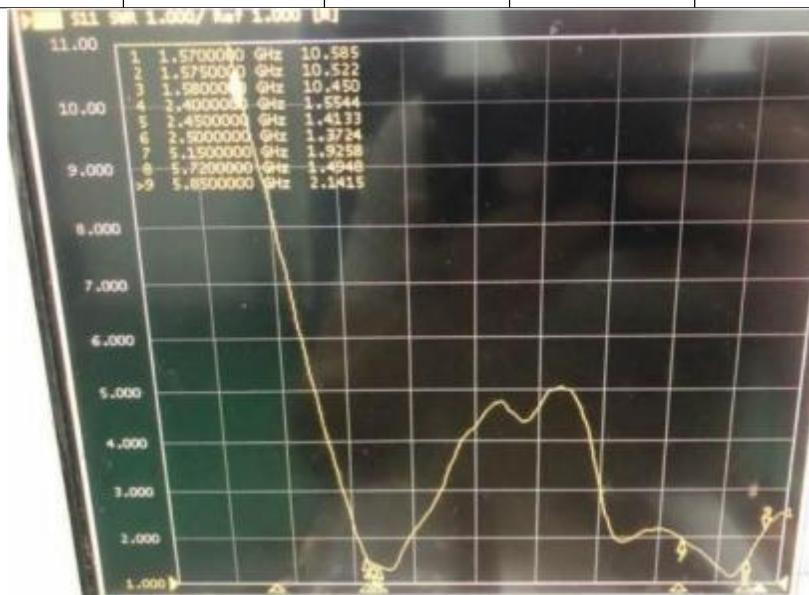
1. A 50Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the VSWR,
2. Keeping this jig away from metal at least 20 cm.

VSWR parameter values

频率 (MHZ)	2400	2450	2500	5150	5720	5850
驻波	1.33	1.09	1.28	1.32	1.28	1.10



频率 (MHZ)	2400	2450	2500	5150	5720	5850
驻波	1.55	1.41	1.37	1.92	1.49	2.14



3. Efficiency and Gain*measuring and test instruments:

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

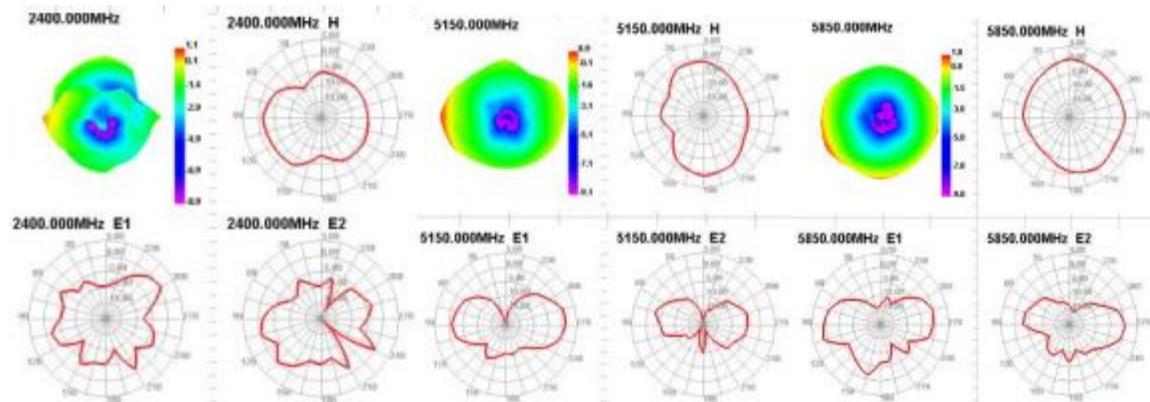
* Test method:

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.

◦

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

	2.4G/5.8G/BT (MIAN)					
Freq. [MHz]	2400	2450	2500	5150	5700	5850
Eff. [%]	41.08	40.72	41.59	38.61	38.74	38.95
Peak Gain [dBi]	1.13	1.01	1.25	0.96	0.98	1.05



4. 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/5.8G/BT	VSWR (Production products) <VSWR(Design samples)+/-0.5