



**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

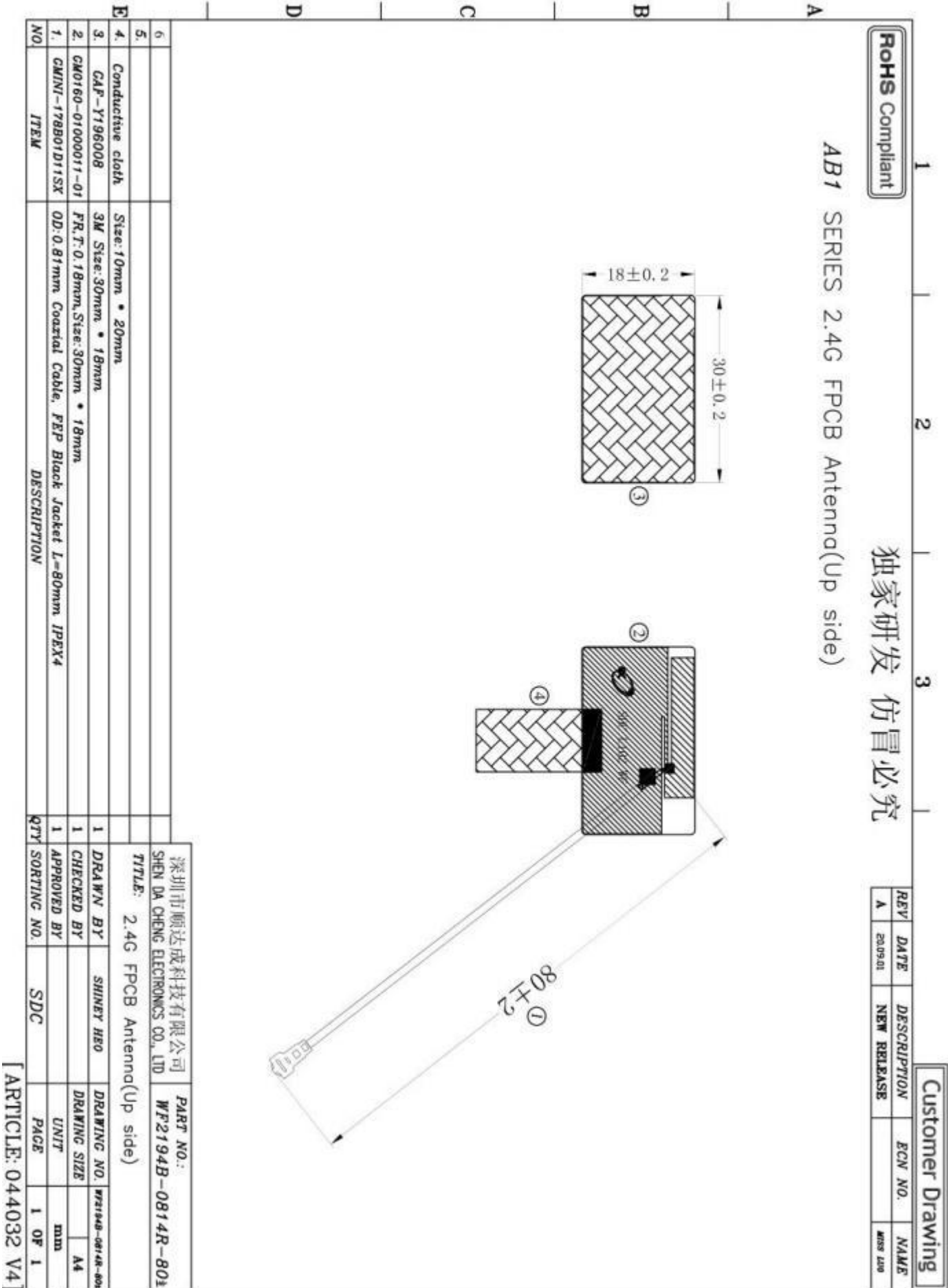
Date: 2023-5-10

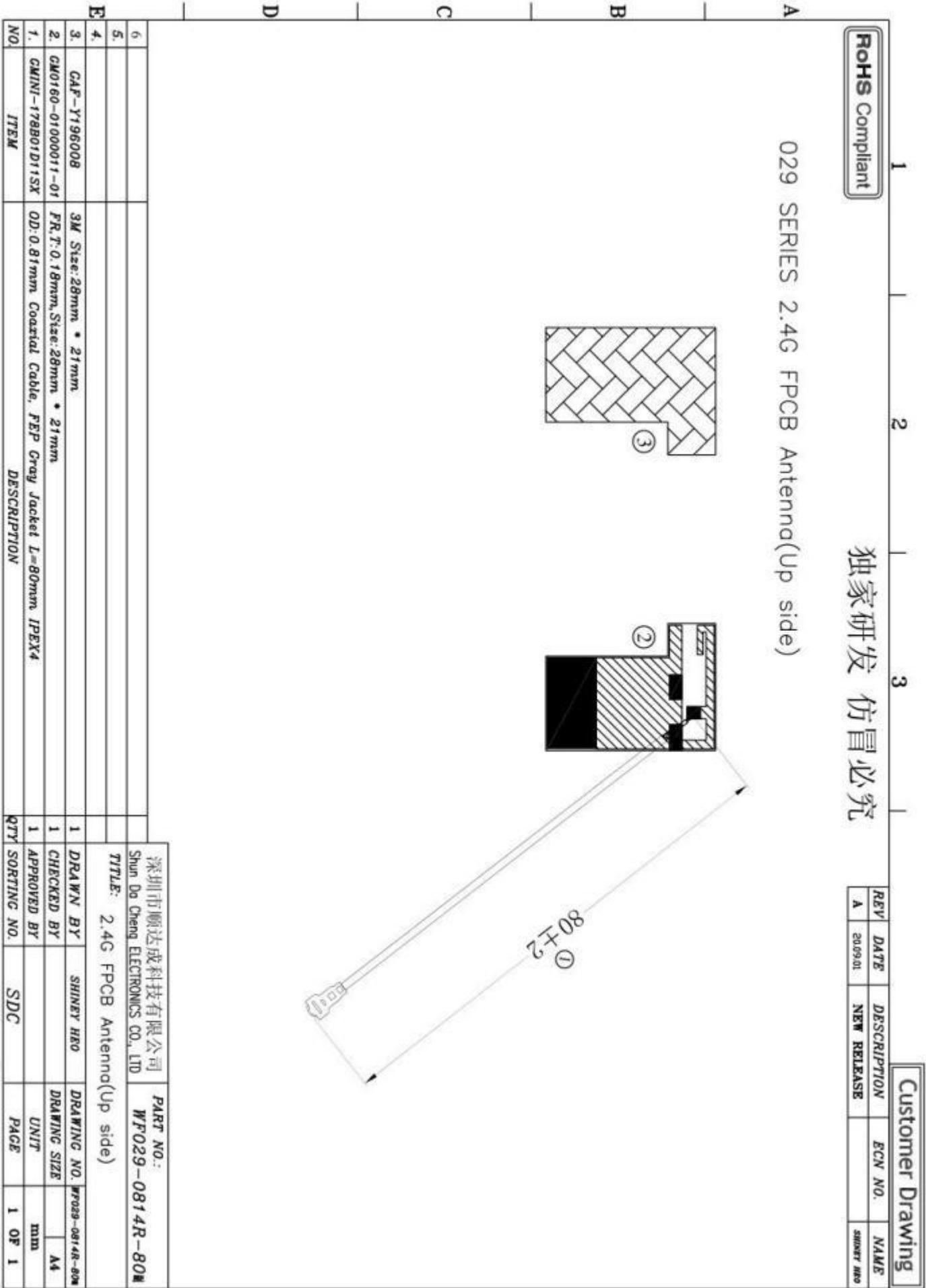
Shenzhen ShunDaCheng Technology Co., Ltd.			
MD:	<u>chenwei</u>	RF:	<u>yangyonghui</u>
Audit:	<u>fuxuerong</u>	Approval:	<u>chenhuaming</u>
Customer Confirmation			
Customer audit:		Customer approval:	

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

Thephone:0755-27211658

Fax:0755-29485750





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 testingjig .*

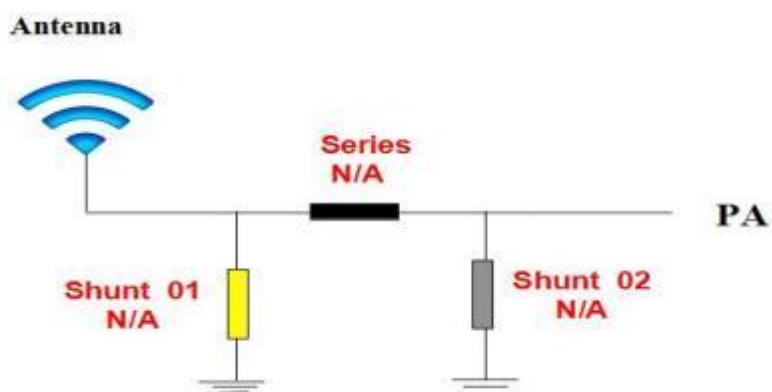
1-1 Antenna picture



1-2 Electrical parameter:

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

1-3 Impedance matching



Antenna original match without change

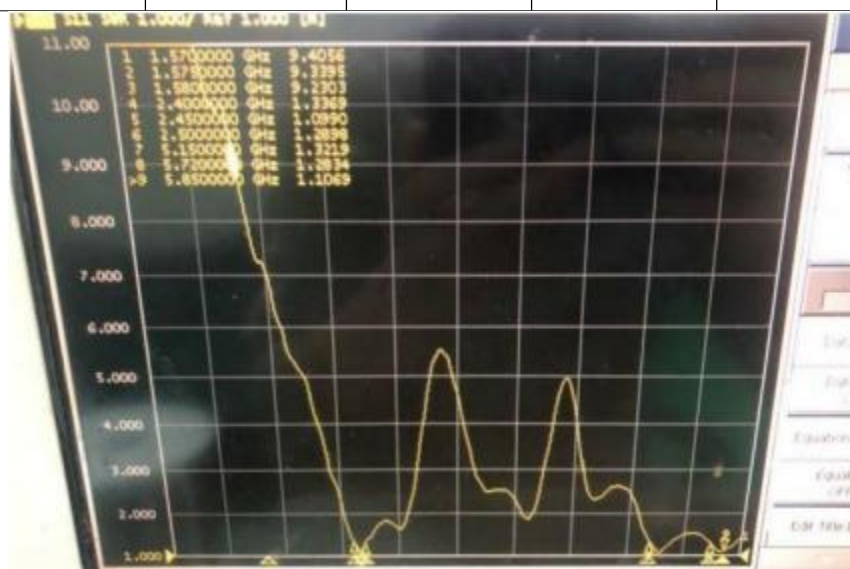
2.VSWR

Measuring Method:

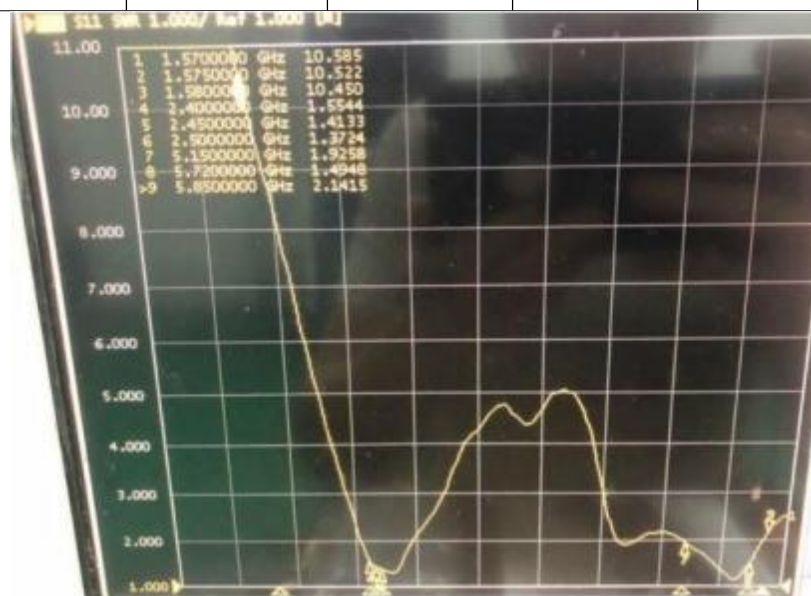
1. A 50 Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the VSWR,
2. Keeping this jig away from metal at least 20 cm.

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

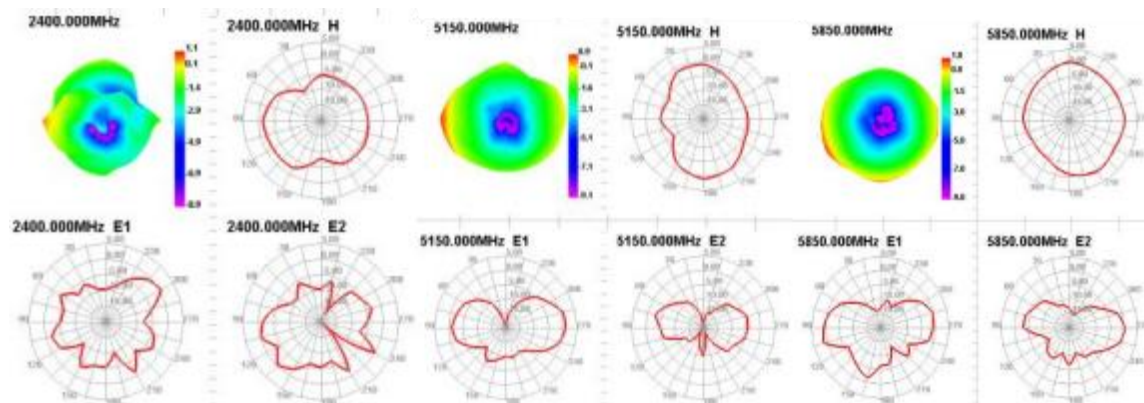
* Test method:

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.

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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