



QiuYu 106 (108) WIFI2.4G antenna acknowledgment Product Specifications for Approval

The Part number: WF073-1131R-170

The customer name:QiuYu Models: 106 (108)

Antenna band: WIFI2.4G

Version: R-A Date: 2019-09-19

Shenzhen ShunDaCheng Technology Co.,Ltd.			
MD:	Yulong zhang	RF:	Liwen Ceng
Audit:	Qiang Chen	Approval:	Huaming Chen
Customer Confirmation			
Customer audit:		Customer approval:	

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

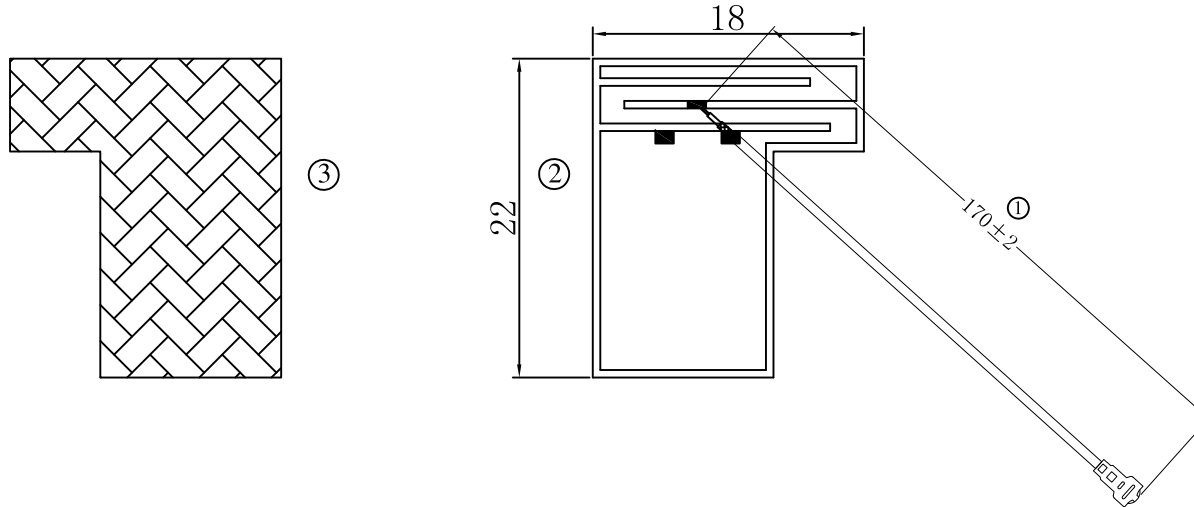
The phone: 0755-27211658

Fax: 0755-29485750

RoHS Compliant

REV	DATE	DESCRIPTION	ECN NO.	NAME
A	19.09.19	NEW RELEASE		MISS LUO

073B SERIES 2.4G FPCB Antenna(Up side)



6			1	SHUN DA CHENG ELECTRONICS CO., LTD	PART NO.: WF073-1131R-170
5.			1	TITLE: 2.4G FPCB Antenna(Up side)	
4.			1		
3.	CAF-Y196008	3M,Size:22mm * 18mm	1	DRAWN BY	MISS LUO
2.	GM0160-01000011-01	FR,T:0.18mm,Size:22mm * 18mm	1	CHECKED BY	
1.	GMINI-178B01D11SX	OD:1.13mm Coaxial Cable, FEP Gray Jacket L=170mm IPEX1	1	APPROVED BY	
NO.	ITEM	DESCRIPTION	QTY	SORTING NO.	SDC
				PAGE	1 OF 1

1. Project information and Electrical Specification

Those specifications were specially defined for **QiuYu 106(108)**, **WIFI2.4G**, and all characteristics were measured under the model's handset testing jig .

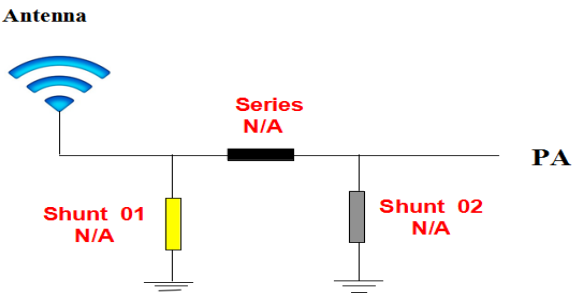
1-1 Antenna picture



1-2 Frequency Band:

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

1-3 Impedance matching



Antenna original match without change

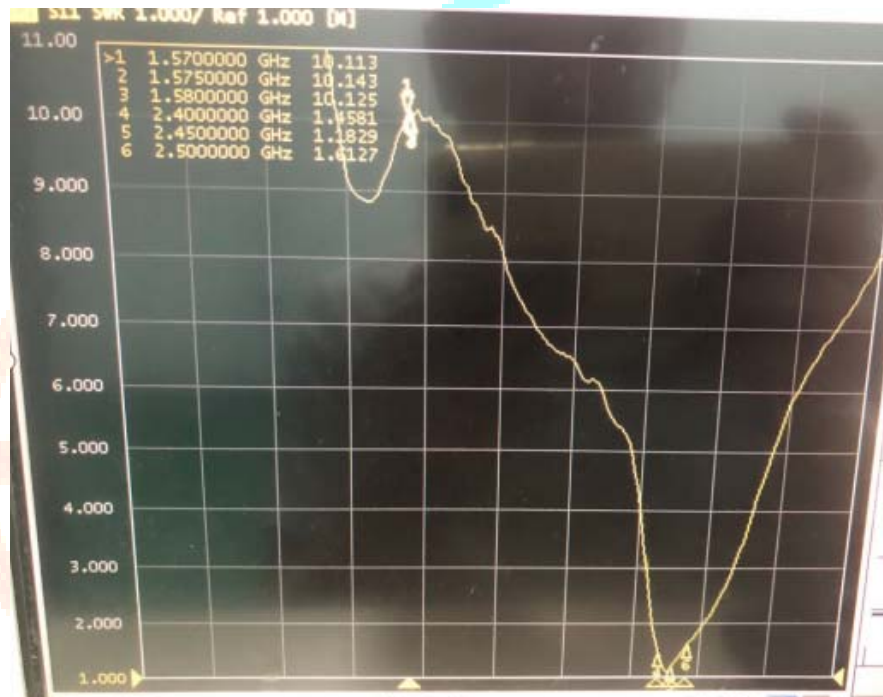
2.VSWR

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
Standing wave	1.45	1.18	1.61



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

BAND	WIFI2. 4G/BT		
Freq. [MHZ]	2400	2450	2500
Eff. [%]	46. 26	46. 95	45. 18
Peak Gain [dBi]	1. 61	1. 68	1. 59

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	VSWR (Production products) <VSWR(Design samples)+/-0.5