



东莞市一佳电子通讯科技有限公司

Dongguan YiJia Electronics Communication Technology Co.,Ltd.

规格承认书

SPECIFICATION FOR APPROVAL

日期 2018/09/11

Date

编号 18091101

File No

版本 1.0

Revision

客户 Chasing-Innovation Technology Co., LTD
CUSTOMER:

客户料号 REPEATER

CUSTOMER NO:

品名 WIFI Antenna L=80mm MHF
PART NAME:

供方料号 YJ084L.300001.L01
SUPPLIER NO:

送样日期Date: 送样数量Q “TY:

客户确认CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

供方确认 SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
ChenGuoqiang	WenXue	ChenXingcheng

YJ-RD-F04-A

add: Yuanfu Industrial Park, No. 59, Muyu Road, Shatou Community, Chang'an Town, Dongguan, Guangdong Tel:0769-85535057 Fax:0769-81664308



承认书项目表

Spec Item

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10	-	-	-
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13			

RoHS
Compatible

CUSTOMER
PART NO

REV.

DESCRIPTION

DATE

A

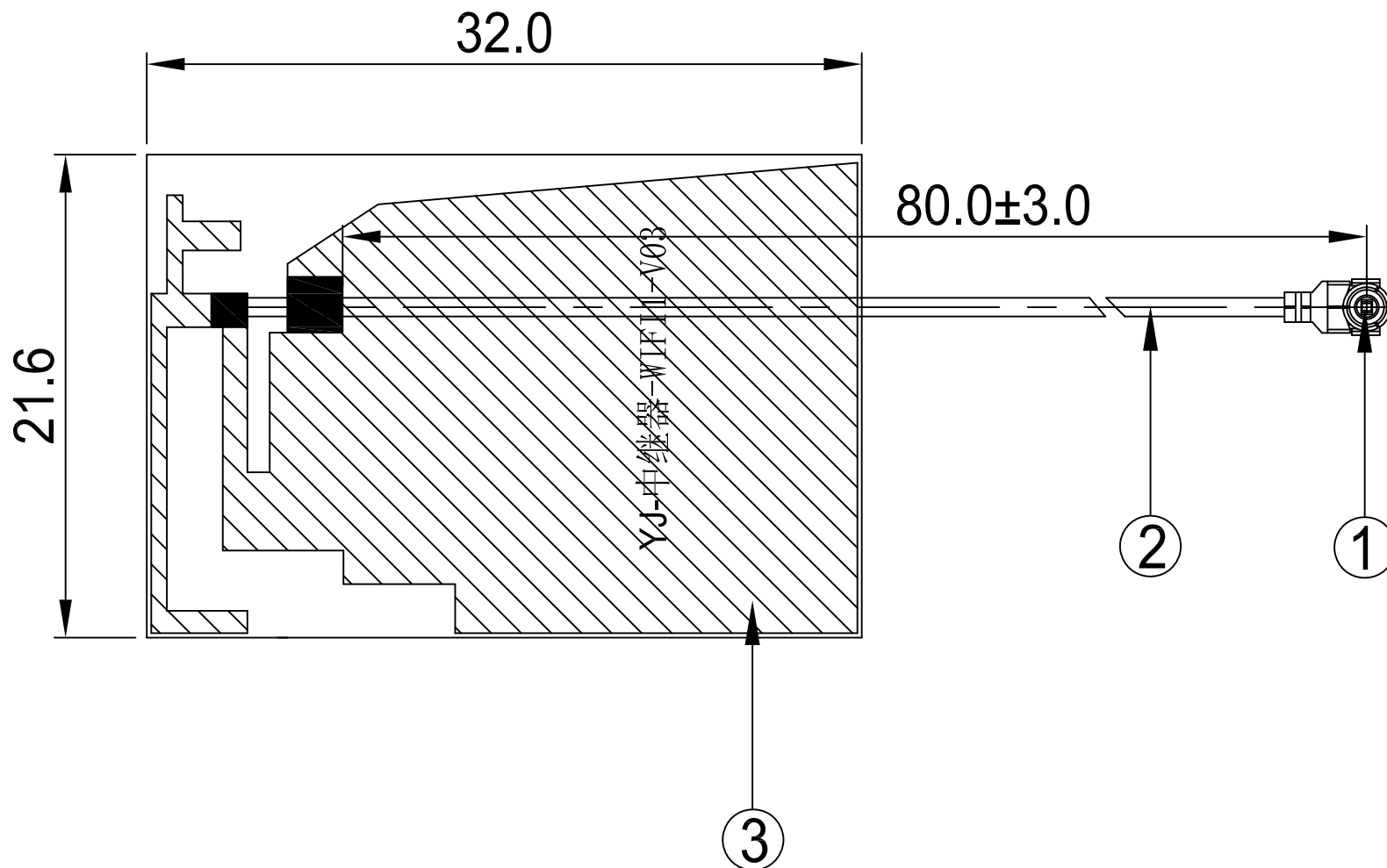
首次发行

2018.09.11

B

更改线长

2018.09.29



东莞市一佳电子通讯科技有限公司

Dongguan Yijia Electronics Communication Technology Co., Ltd. Tel :0769-85535057 Fax:0769-81664308

PART NAME: WIFI Antenna L=80mm MHF

PART NO.: YJ084L.300001.L01

DATE: 2018-09-29

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance
X.X ±0.50
X.XX±0.15
X° ±3°

陈国强

文雪

汪婷

UNITS: mm

SCALE: 1/1

REVISION: A

3	FPCB	32.0*21.6MM	FPCB	FPC100XXA.P01	1
2	Coaxial Cable	O.D.1.13 Black	O.D.1.13	COA100XXA.P01	1
1	Mini Connector	Au Plated 1代	Cu	TER10001A.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY



天线规格

Antenna Specification

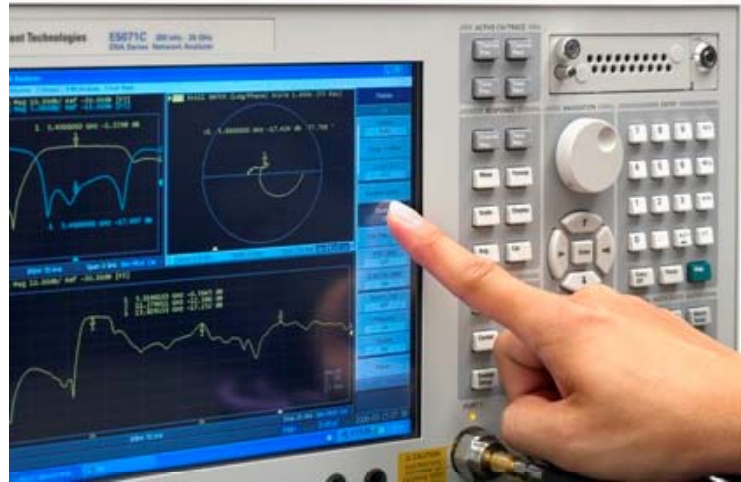
Electrical Properties	
Frequency	2.4-2.5GHz 5.15-5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	See Page 5
Return Loss	See Page 5
Radiation	Omni-directional
Gain (Peak)	See Page 7 ~ 8
Polarization	Linear
Connector	1代IPEX
Physical Properties	
Antenna Material	FPC
Cable Type	O.D.1.13mm//L=80mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Black

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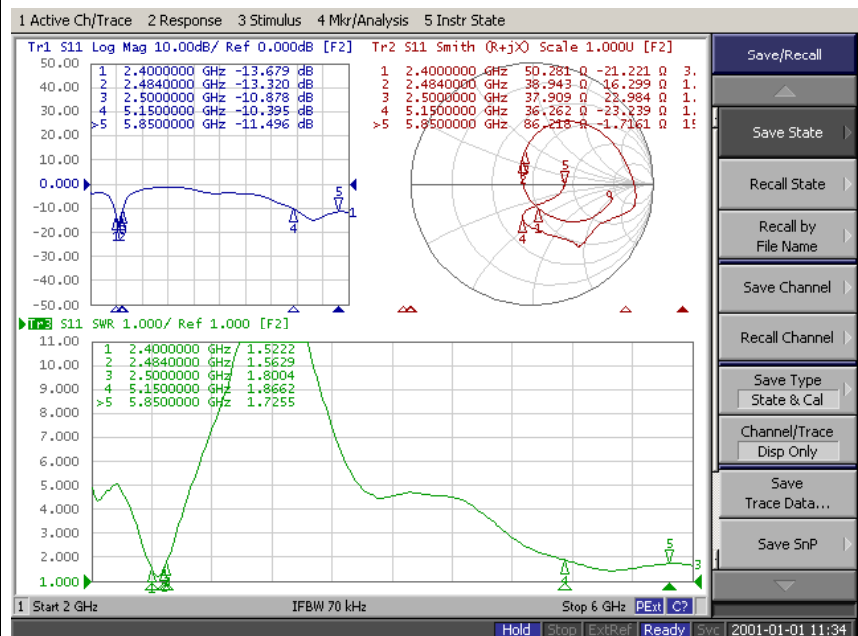


Antenna Performance Test

**Agilent
E5071B**



**S
Parameter
Test //
WiFi 1**





Antenna Passive Test





Passive Test For WiFi1 (2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	45.0	-3.5	0.6
2410	45.6	-3.4	0.5
2420	46.1	-3.4	0.5
2430	47.5	-3.2	0.6
2440	48.3	-3.2	0.8
2450	50.2	-3.0	0.9
2460	50.5	-3.0	1.1
2470	51.9	-2.9	1.4
2480	53.3	-2.7	1.6
2490	54.1	-2.7	1.7
2500	53.5	-2.7	1.8

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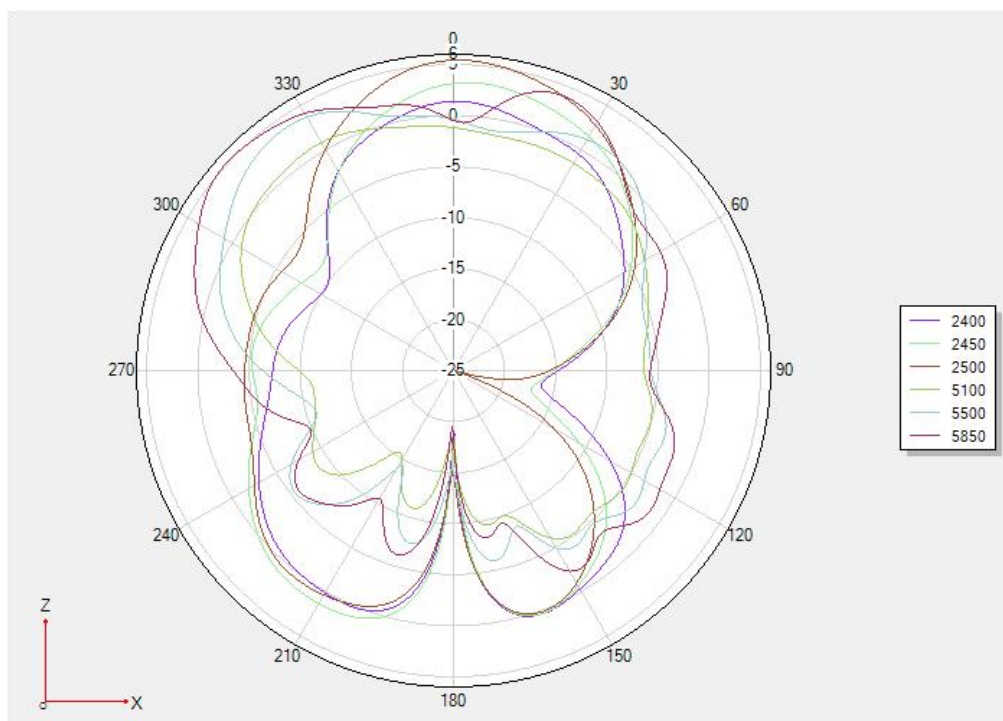


Passive Test For WiFi1 (5.8G)

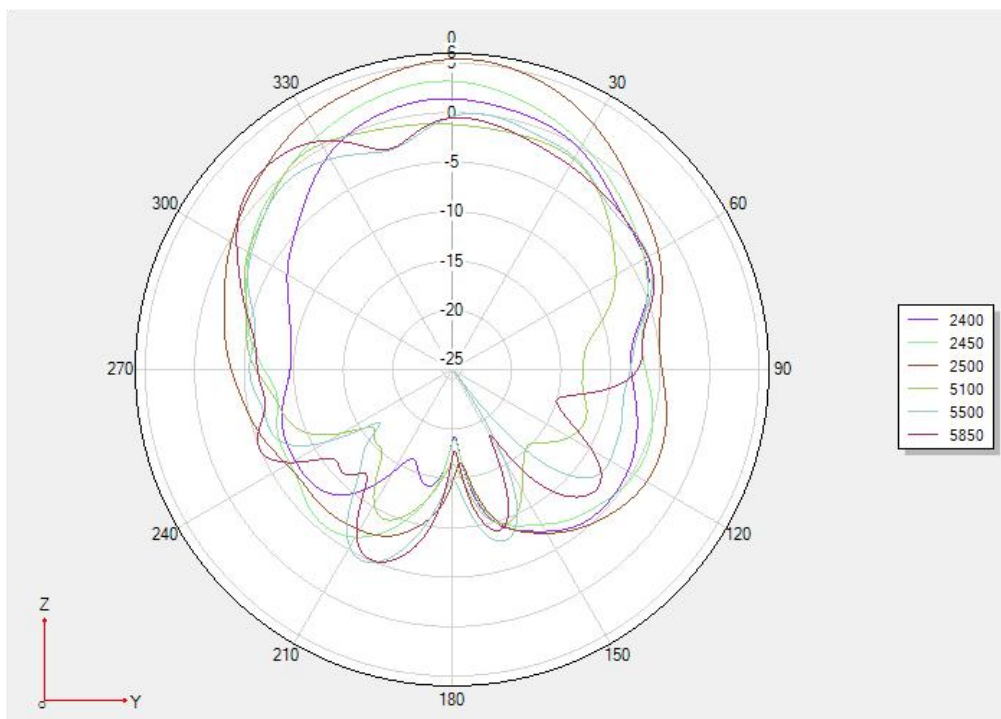
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	53.8	-2.7	5.9
5200	54.5	-2.6	5.8
5250	49.0	-3.1	5.2
5300	47.6	-3.2	5.1
5350	48.2	-3.2	5.3
5400	50.5	-3.0	5.7
5450	46.8	-3.3	5.8
5500	41.7	-3.8	5.2
5550	41.7	-3.8	5.1
5600	41.6	-3.8	4.7
5650	42.0	-3.8	4.6
5700	37.7	-4.2	3.8
5750	40.0	-4.0	3.8
5800	44.4	-3.5	4.4
5850	47.5	-3.2	4.8

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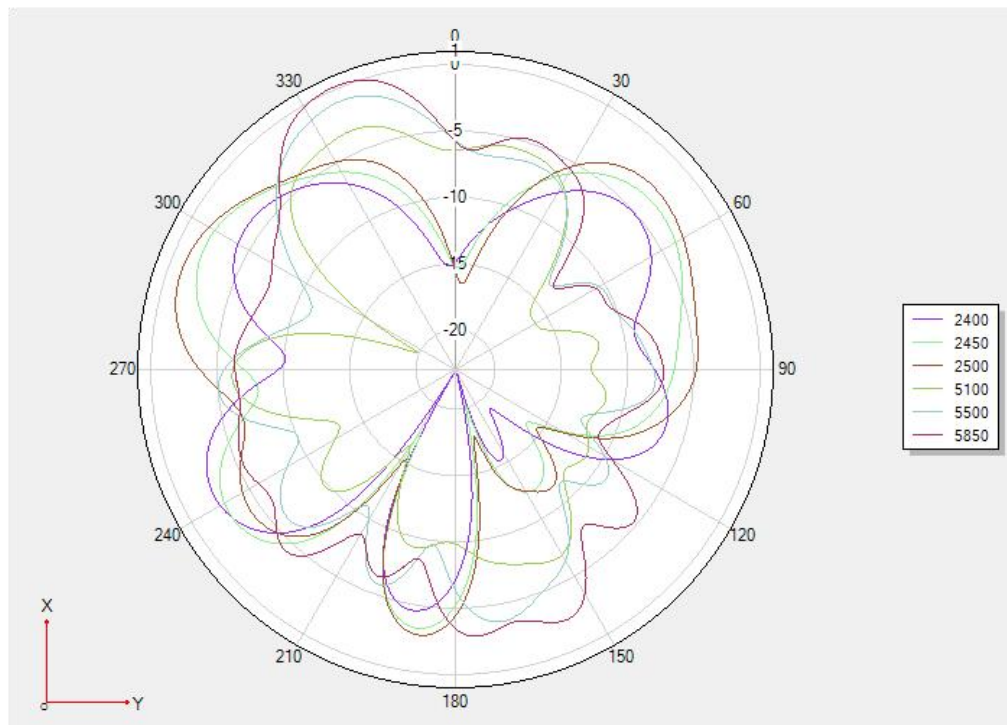
Phi 0



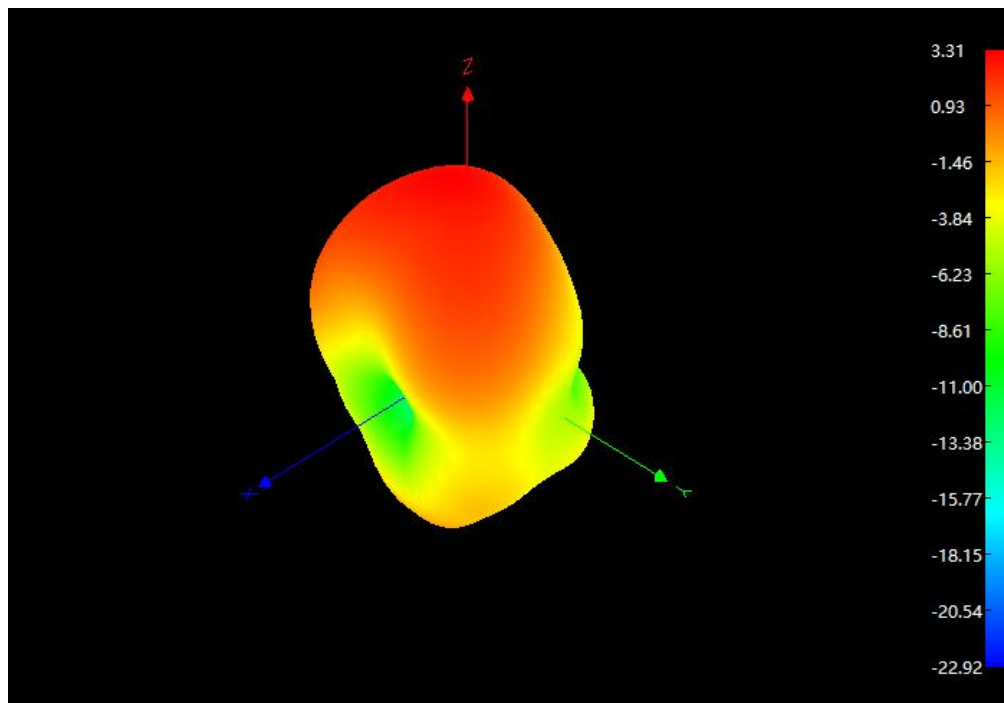
Phi 90



Theta 90



2450MHz



5500MHz

