



# 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 2022/01/14  
Date

编号 22011401  
File No

版本 1.0  
Revision

客户 鲁邦通

CUSTOMER: \_\_\_\_\_

客户料号

CUSTOMER NO: \_\_\_\_\_

品名 WIFI2.4/5.8G Antenna L=3M

PART NAME: \_\_\_\_\_


供方料号 YJH01.011.002.101A

SUPPLIER NO: \_\_\_\_\_

送样日期Date:

送样数量Q “TY:”

客户确认CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

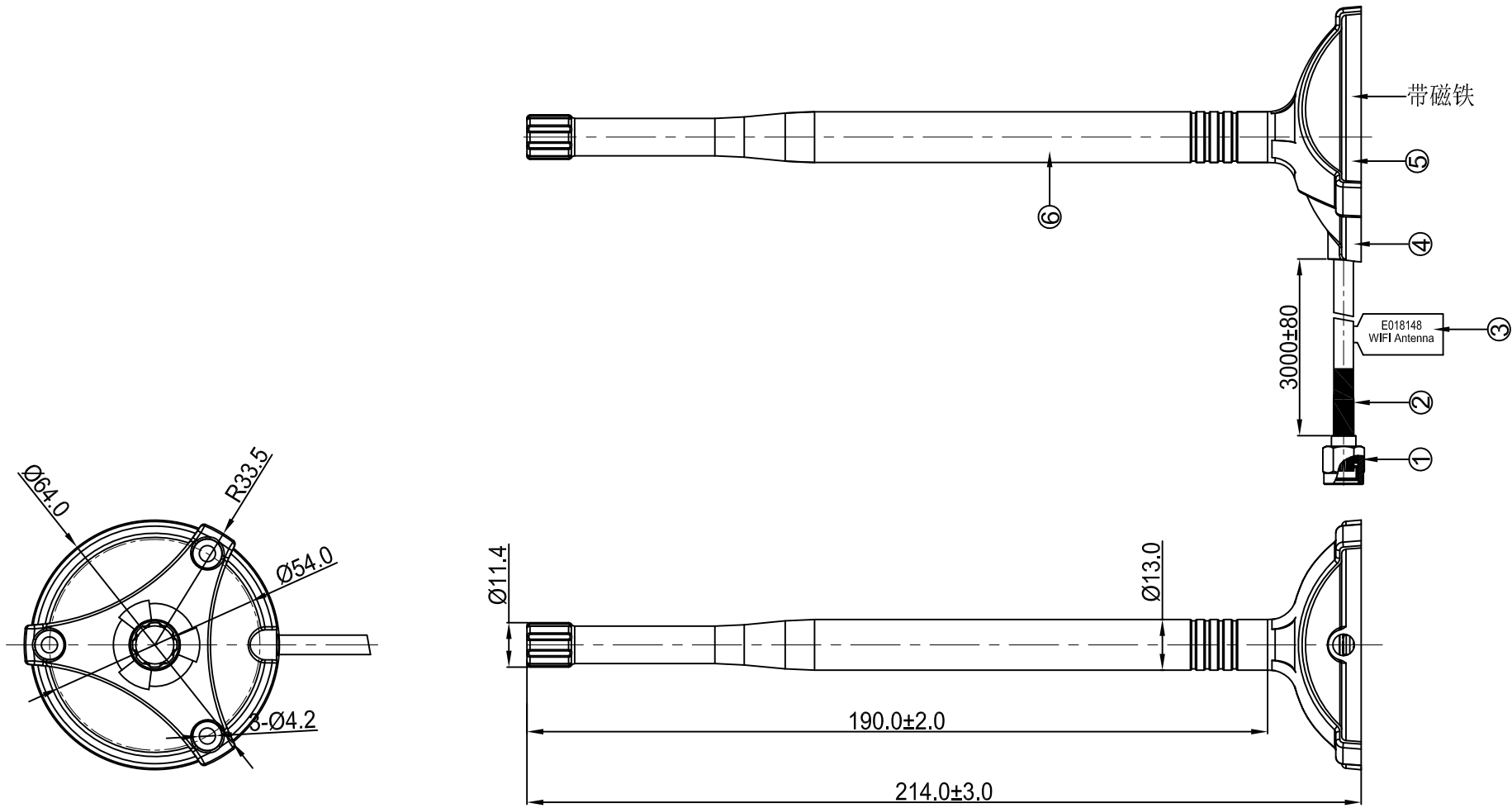
供方确认 SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
 ChenGuoqiang	WenXue	ChenXingyi

YJ-RD-F04-A

**RoHS**  
Compatible

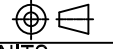
CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
△	首次发行	2021-12-28
△		



6	Antenna Cap	Ø13.0*190.0 TPEE Black	1
5	Linner Mold	Ø67.0*34.0mm ABS Black	1
4	Cable	3D-FB Black	1
3	Lable	60.0*15.0mm	
2	Heat Shrink Tube	Ø5.5*20.0mm Black	1
1	SMA Male Reverse	Cu Au Plated	1
NO	PART NAME	DESCRIPTION	Q.TY


**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: WIFI2.4/5.8G Antenna L=3M			
PART NO.: YJH01.011.002.101A			DATE: 2021-12-28
APPROVED BY	CHECKED BY	DESIGNED BY	 Tolerance X.X ±0.80 X.XX±0.15 X° ±3°
殷涛	覃健宇	陈兴易	
UNITS: mm SCALE: 1/1 REVISION: A			



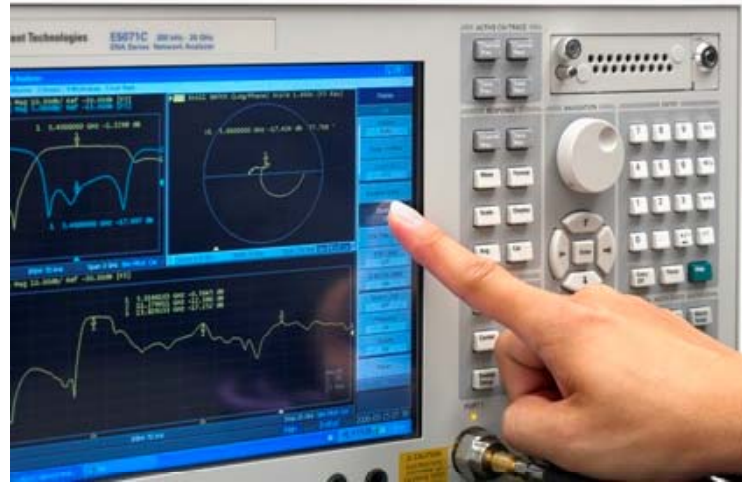
# 天线规格

## Antenna Specification

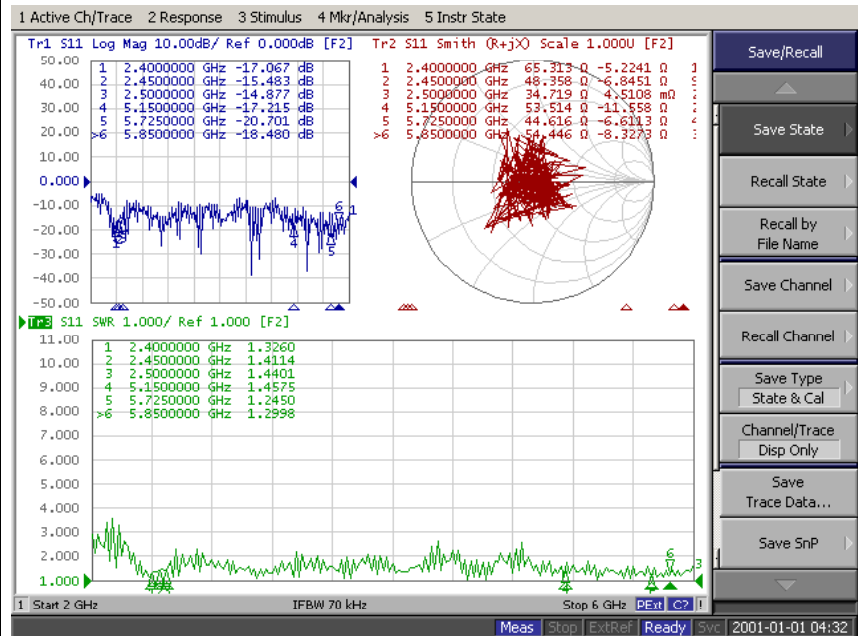
<b>Electrical Properties</b>	
Frequency	2.4-2.5GHz 5.15-5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	3.1dBi@2.4-2.5GHz 2.4dBi@5.15-5.85GHz
Radiation	Omni-directional
Polarization	Linear
<b>Physical Properties</b>	
Connector	SMA Male Reverse
Cable Type	3D-FB
Cable Length	3000mm
Cable Color	Black
Operating Temp.	-40 ~ +85°C
Storage Temp / Humidity	25 ± 5°C / <70%



# Agilent E5071B

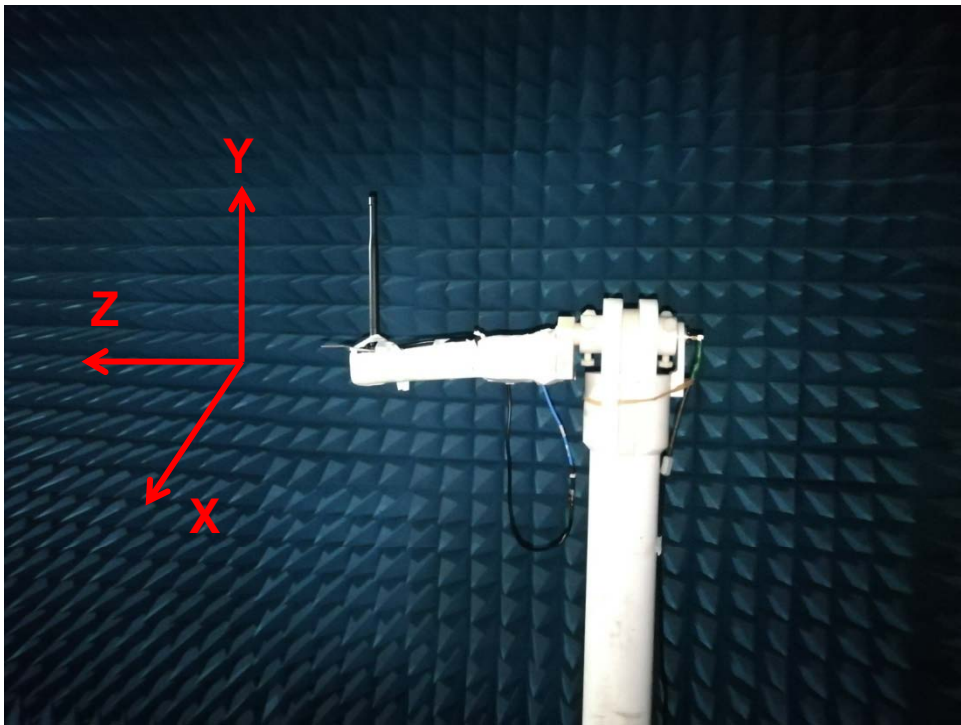
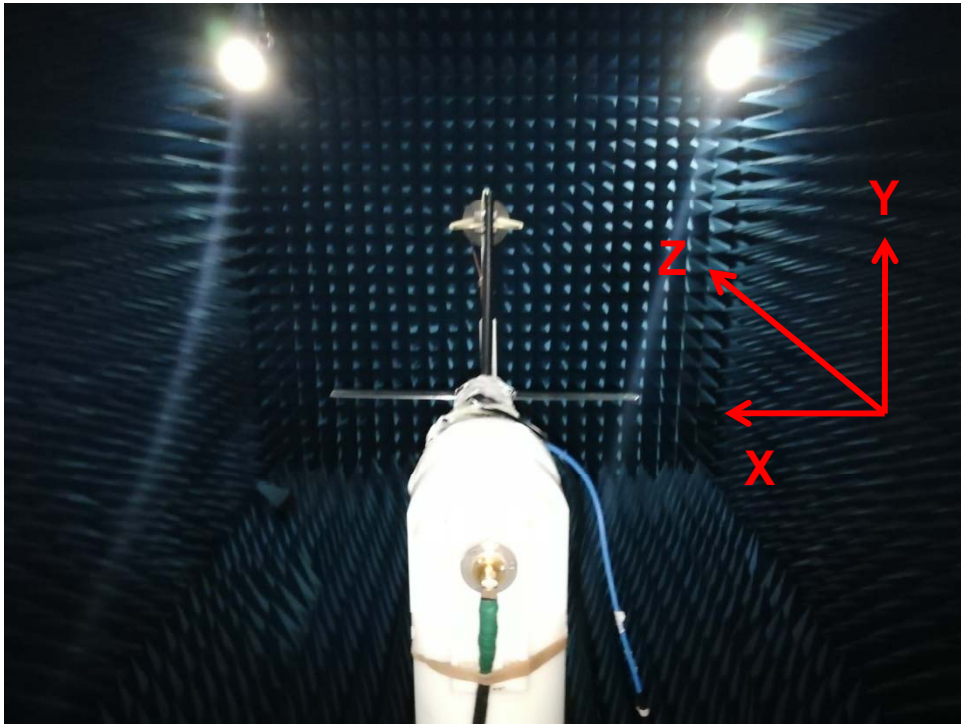


# S Parameter Test // WIFI





## *Antenna Passive Test*





Passive Test For WiFi2.4G			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	39.9	-4.0	2.4
2410	40.0	-4.0	2.5
2420	40.7	-3.9	2.6
2430	41.2	-3.9	2.6
2440	41.8	-3.8	2.7
2450	42.9	-3.7	2.9
2460	41.2	-3.9	3.1
2470	40.1	-4.0	2.9
2480	39.6	-4.0	2.9
2490	38.1	-4.2	2.7
2500	37.3	-4.3	2.3



### Passive Test For WiFi5.8G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	33.4	-4.8	1.2
5200	34.0	-4.7	0.4
5250	34.1	-4.7	0.2
5300	34.3	-4.6	0.5
5350	33.6	-4.7	1.3
5400	34.5	-4.6	1.6
5450	35.4	-4.5	1.4
5500	36.0	-4.4	1.5
5550	34.6	-4.6	1.4
5600	35.7	-4.5	1.2
5650	34.3	-4.6	1.3
5700	34.7	-4.6	2.4
5750	36.2	-4.4	1.7
5800	32.4	-4.9	2.1
5850	31.2	-5.1	2.1



*Antenna  
WiFi*

