



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 Date	2020/12/11
编号 File No	20121101
版本 Revision	1.0

客 户 成都万创
CUSTOMER: _____

客户料号
CUSTOMER NO: _____

品 名 2.4/5.8G Antenna
PART NAME: _____

供方料号 YJS01.042.011.102A
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: 东莞市长安镇沙头社区木鱼路59号元富工业区 Tel:0769-82586086 Fax:0769-82586086

Remark:The device only support 2.4G WiFi



承认书项目表

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9	N/A	N/A	N/A
10	-	-	-
11	-	-	-
12	-	-	-
13	-	-	-

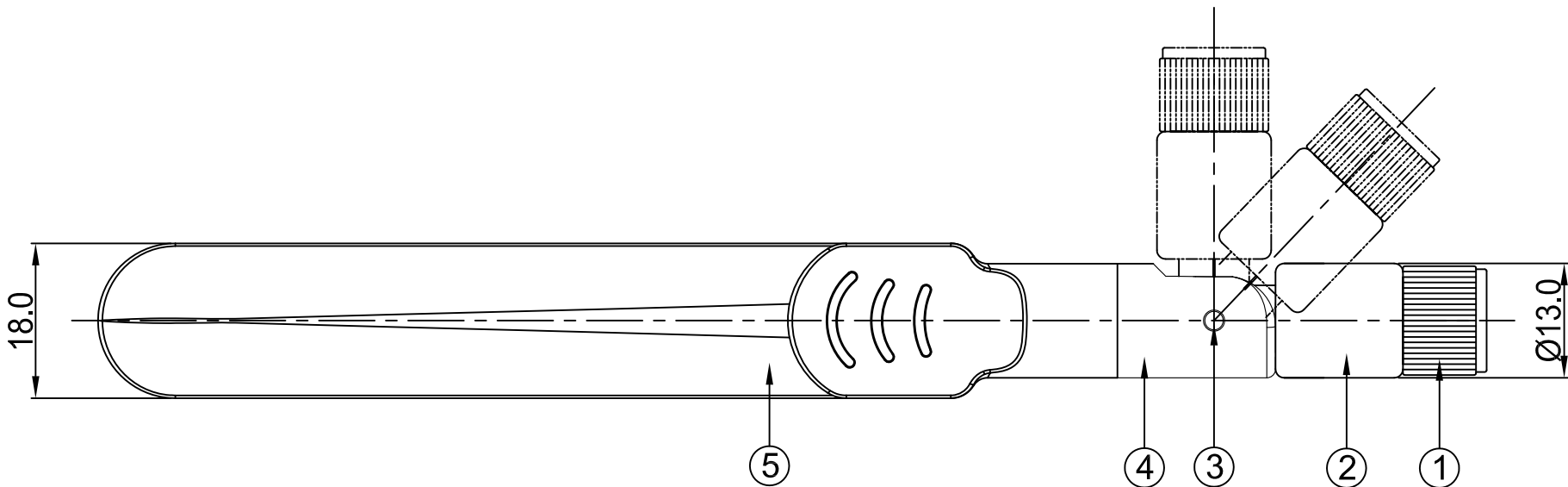
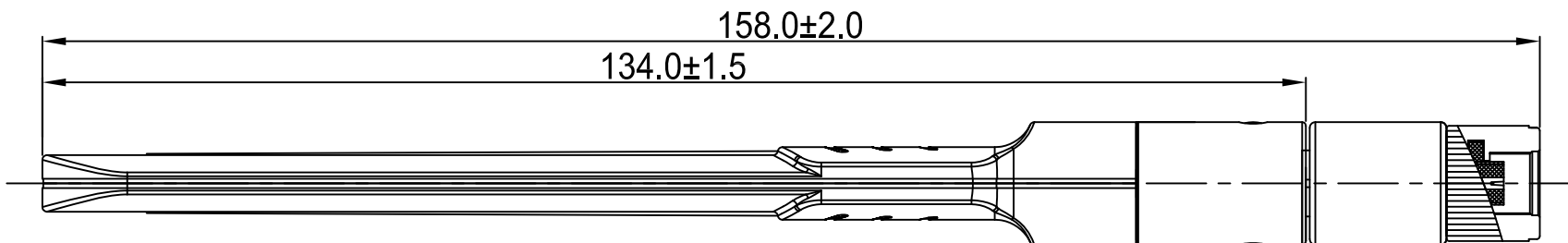
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RoHS
Compatible

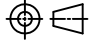
CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
△	首次发行	2020.12.11



5	Antenna Cap	ABS,Color:Black	1
4	Upper Base	PC, Color:Black	1
3	Rivet	POM, Color:Black	2
2	Bottom Base	PC, Color:Black	1
1	SMA Male Reverse	Cu Black	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: 2.4/5.8G Antenna			
PART NO.: YJS01.042.011.102A		DATE: 2020.12.11	
APPROVED BY	CHECKED BY	DESIGNED BY	 Tolerance X.X ±0.50 X.XX±0.15 X° ±3°
殷涛	陈昌	吕森桦	
UNITS: mm SCALE: 1/1 REVISION: A			



天线规格

Antenna Specification

Electrical Properties	
Frequency	2400~2484MHz 5720~5850MHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Return Loss	10 dB Max <small>Remark: The device only support 2.4G WiFi</small>
Radiation	Omni-directional
Gain (Peak)	1.8dBi@2400~2484MHz 3.5dBi@5720~5850MHz
Polarization	Linear
Connector	SMA Male Reverse
Physical Properties	
Antenna Material	PC /POM/ABS
Cable Type	None
Operating Temp.	-40 ~ +85 °C
Storage Temp.	25 ± 5 < 70%
Cable Color	None

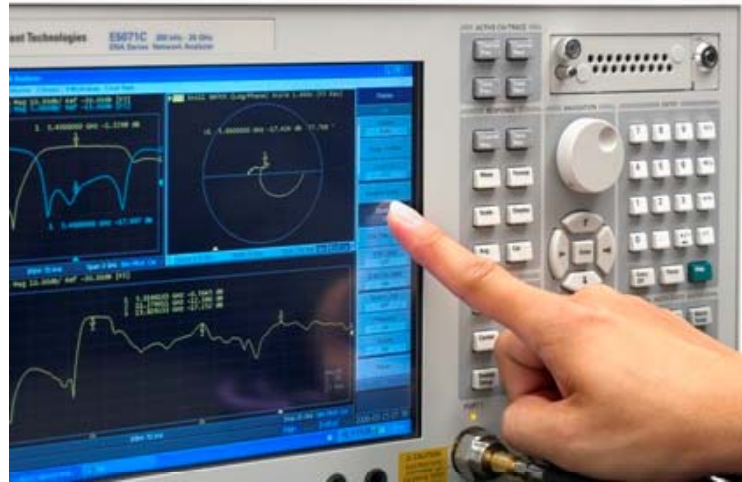
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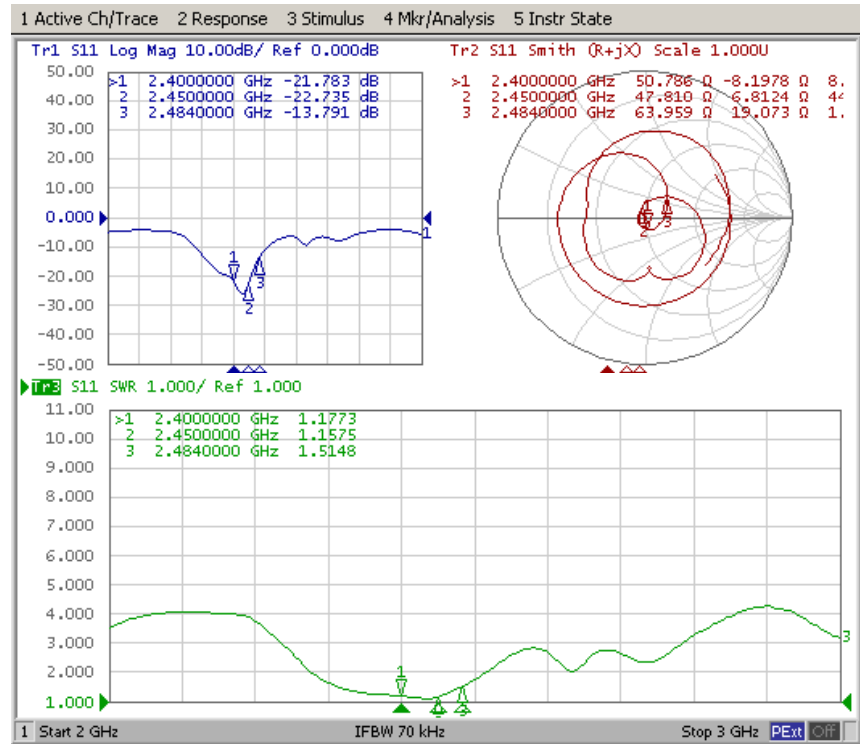


Antenna Performance Test

**Agilent
E5071B**



**SParameter
Test //
WIFI2.4G**



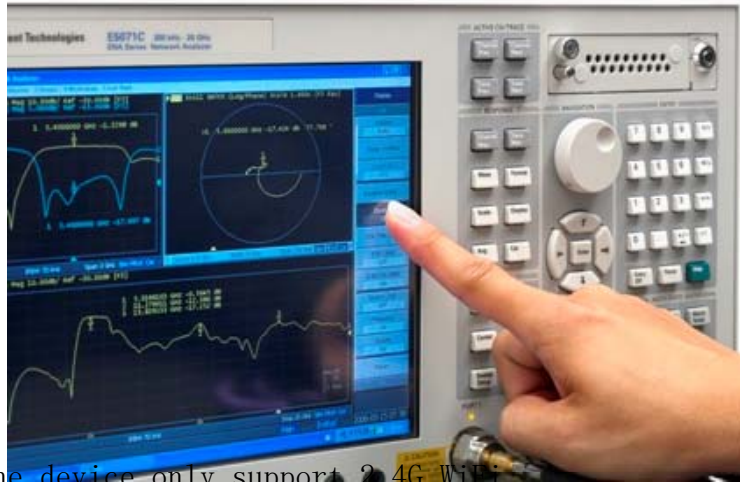
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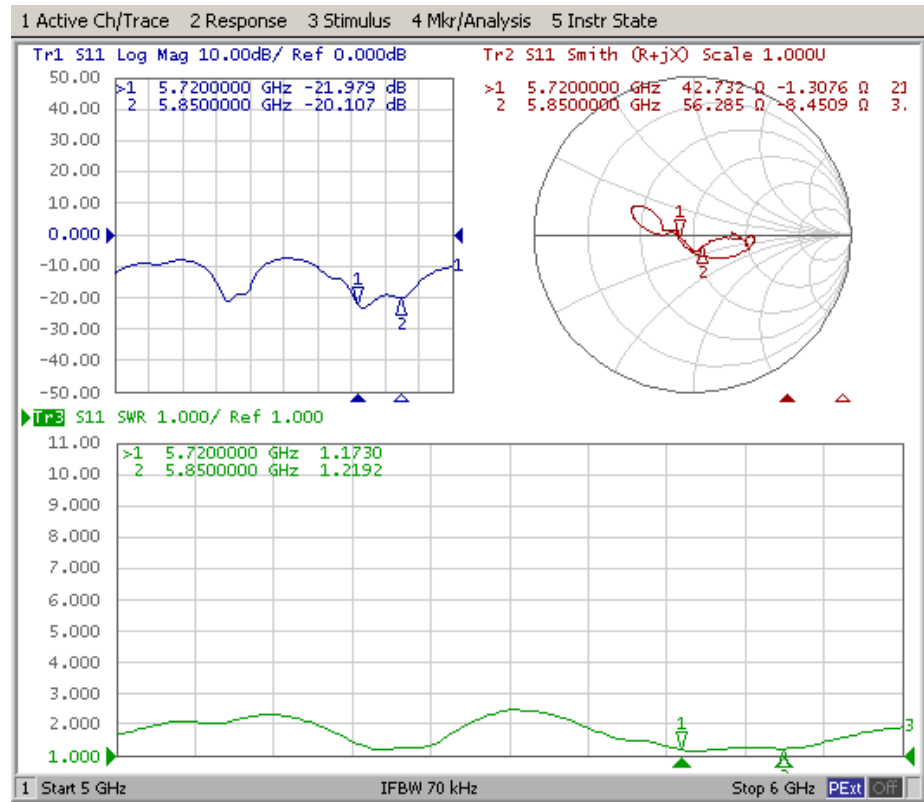
Antenna Performance Test

**Agilent
E5071B**



Remark: The device only support 2.4G WiFi

**S
Parameter
Test //
WiFi 5.8G**



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Antenna Passive Test





Passive Test For WIFI2.4G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	51.5	-2.9	1.0
2410	52.9	-2.8	1.2
2420	53.1	-2.8	1.3
2430	53.8	-2.7	1.5
2440	54.2	-2.7	1.7
2450	54.6	-2.6	1.8
2460	53.8	-2.7	1.8
2470	53.7	-2.7	1.7
2480	53.1	-2.8	1.7
2490	52.2	-2.8	1.6
2500	49.9	-3.0	1.5

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Passive Test For WIFI5.8G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5700	41.7	-3.8	3.0
5720	41.3	-3.8	3.1
5740	44.5	-3.5	3.2
5760	46.5	-3.3	3.2
5780	43.2	-3.7	3.3
5800	53.7	-2.7	3.5
5820	53.5	-2.7	3.2
5840	51.7	-2.9	3.1
5860	54.5	-2.6	3.0
5880	55.4	-2.6	2.9
5900	62.1	-2.1	3.4

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