

供应商名称： 一佳电子通讯科技有限公司

产 品 承 认 书

Specification for Approval

客户名称

Client Name:

百富计算机技术（深圳）有限公司

品 牌

Brand Name:

一佳

原厂料号

Part No:

YJS01.086.109.301A

物料规格

Part Description:

WiFi+GPS 天线, 材质: FPC

产品制造商

Manufacturer:

一佳电子

百富物料类别

PAX Part Name:

天线

百富物料编号

PAX Materiel No.:

百富物料描述

PAX Description:

百富采用原因

PAX Import Reason:

供 应 商 签 章	客 户 签 章
	承 认: 确 认:

供应商联系地址：东莞市长安镇沙头社区木鱼路 59 号元富工业区

供应商联系人:汪胜 供应商联系电话及传真: 0769-82586086 82586086

日期: 2022.08.01



承认书项目表

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RoHS
Compatible

CUSTOMER
PART NO

REV.

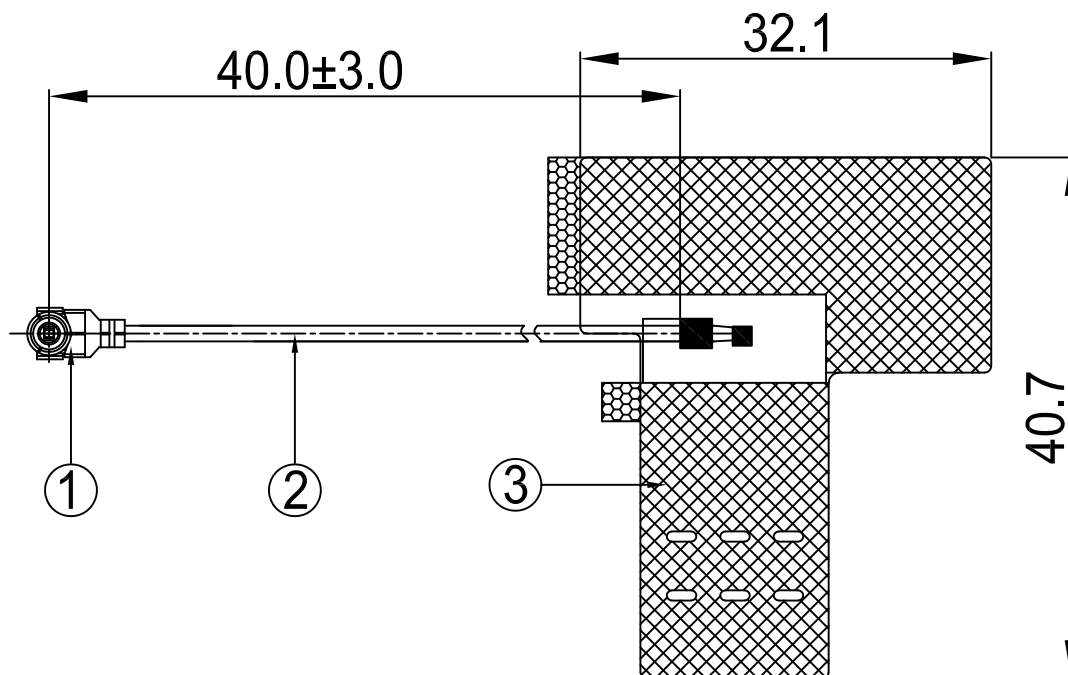
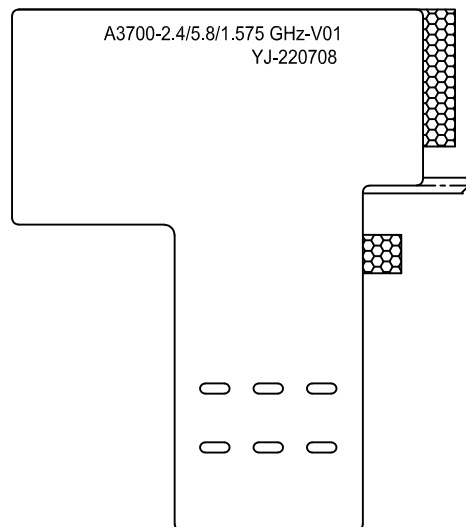


DESCRIPTION

首次发行

DATE

2022-08-01



3	FPCB	27.4*14.1MM	FPCB	FPC1000XA.P01	1
2	Coaxial Cable	O.D.0.81 Black	O.D.0.81	COA1000XA.P01	1
1	Mini Connector	Au Plated 4代	Cu	TER1000XA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	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: 2.4/5.8/1.575 GHz Antenna

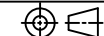
PART NO.: YJS01.086.109.301A

DATE: 2022-08-01

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance
X.X ±0.50
X.XX±0.15
X° ±3°

殷 涛

向志蓉

陈兴易

UNITS: mm
SCALE: 1/1
REVISION: A



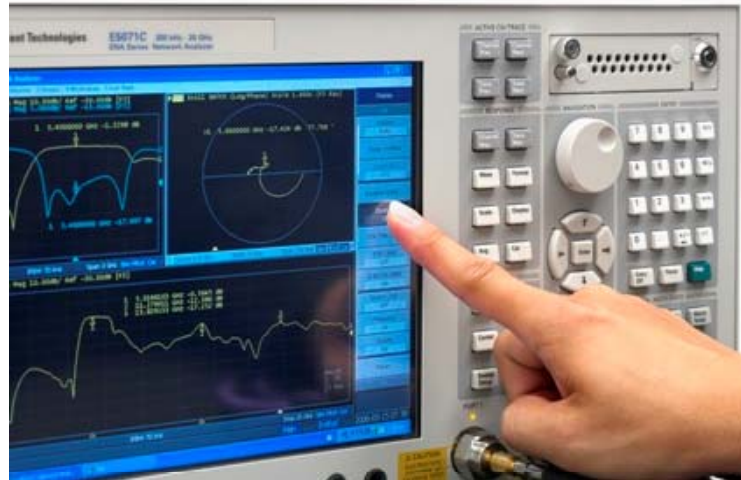
天线规格

Antenna Specification

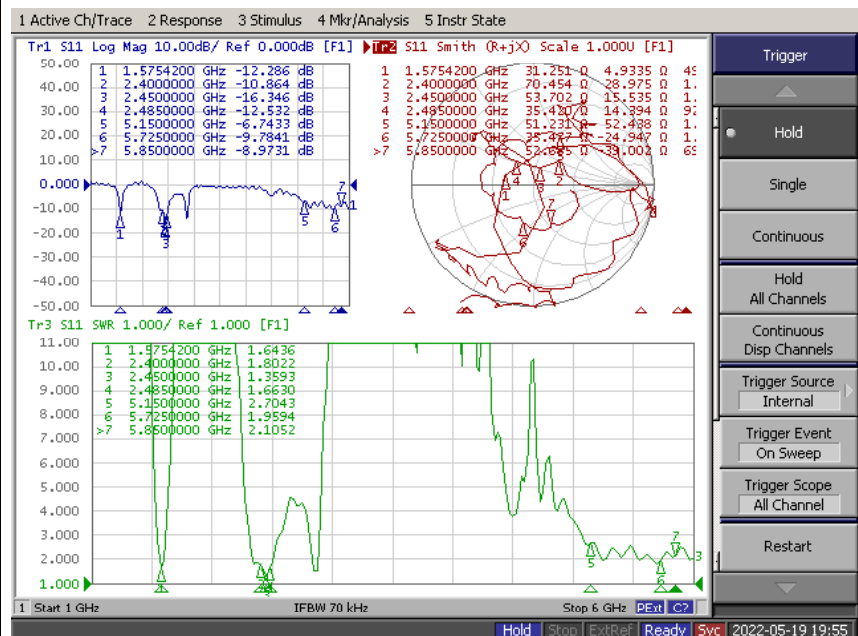
Electrical Properties	
Frequency	1575.42MHz 2.4-2.5GHz 5.15-5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max@1575.42MHz 2.0 Max@2.4-2.5GHz 3.0 Max@5.15-5.85GHz
Gain	0.5 dBi@1575.42MHz 1.0 dBi@2.4-2.5GHz 0.7 dBi@5.15-5.85GHz
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	4代IPEX
Cable Type	O.D.0.81
Cable Length	40mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%



Agilent E5071B

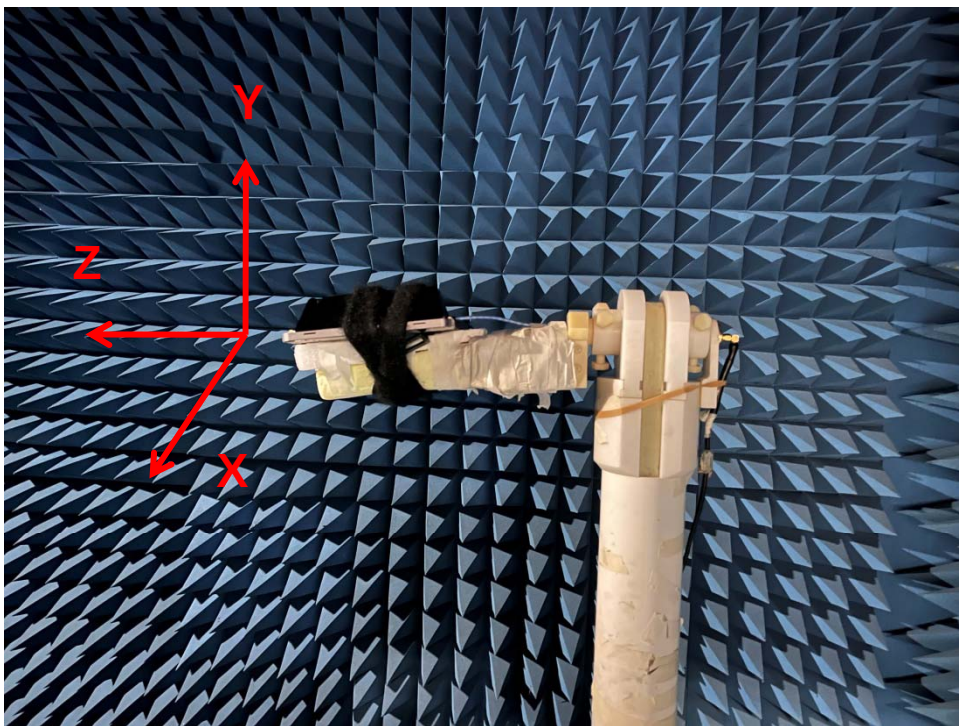
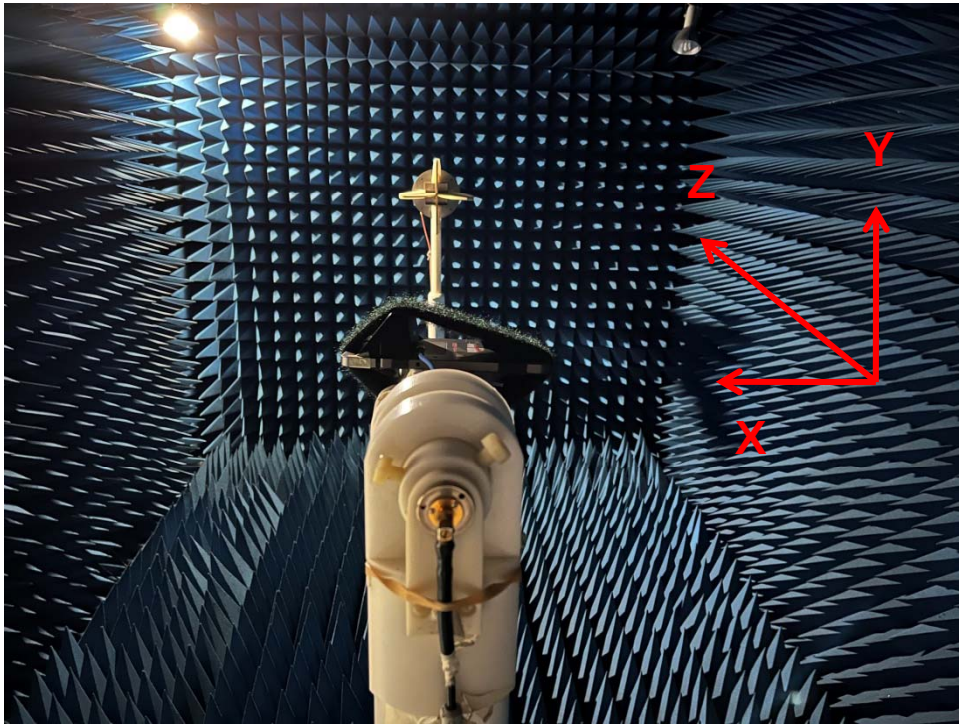


S Parameter Test // WiFi+GPS Antenna





Antenna Passive Test





Passive Test For WiFi2.4G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	35.3	-4.5	0.9
2410	35.3	-4.5	1.0
2420	34.5	-4.6	0.9
2430	34.5	-4.6	0.9
2440	34.5	-4.6	0.8
2450	37.4	-4.3	1.0
2460	38.3	-4.2	1.0
2470	40.3	-3.9	1.0
2480	41.7	-3.8	1.0
2490	42.5	-3.7	0.9
2500	42.3	-3.7	1.0



Passive Test For WiFi5.8G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	34.1	-4.7	-0.1
5200	40.2	-4.0	-0.2
5250	41.6	-3.8	-0.1
5300	42.8	-3.7	0.2
5350	42.7	-3.7	0.4
5400	39.2	-4.1	0.4
5450	38.8	-4.1	-0.2
5500	41.3	-3.8	0.5
5550	41.0	-3.9	0.7
5600	43.4	-3.6	0.7
5650	60.1	-2.2	0.1
5700	55.5	-2.6	-1.2
5750	51.8	-2.9	-1.8
5800	43.4	-3.6	-1.5
5850	41.2	-3.9	-0.8



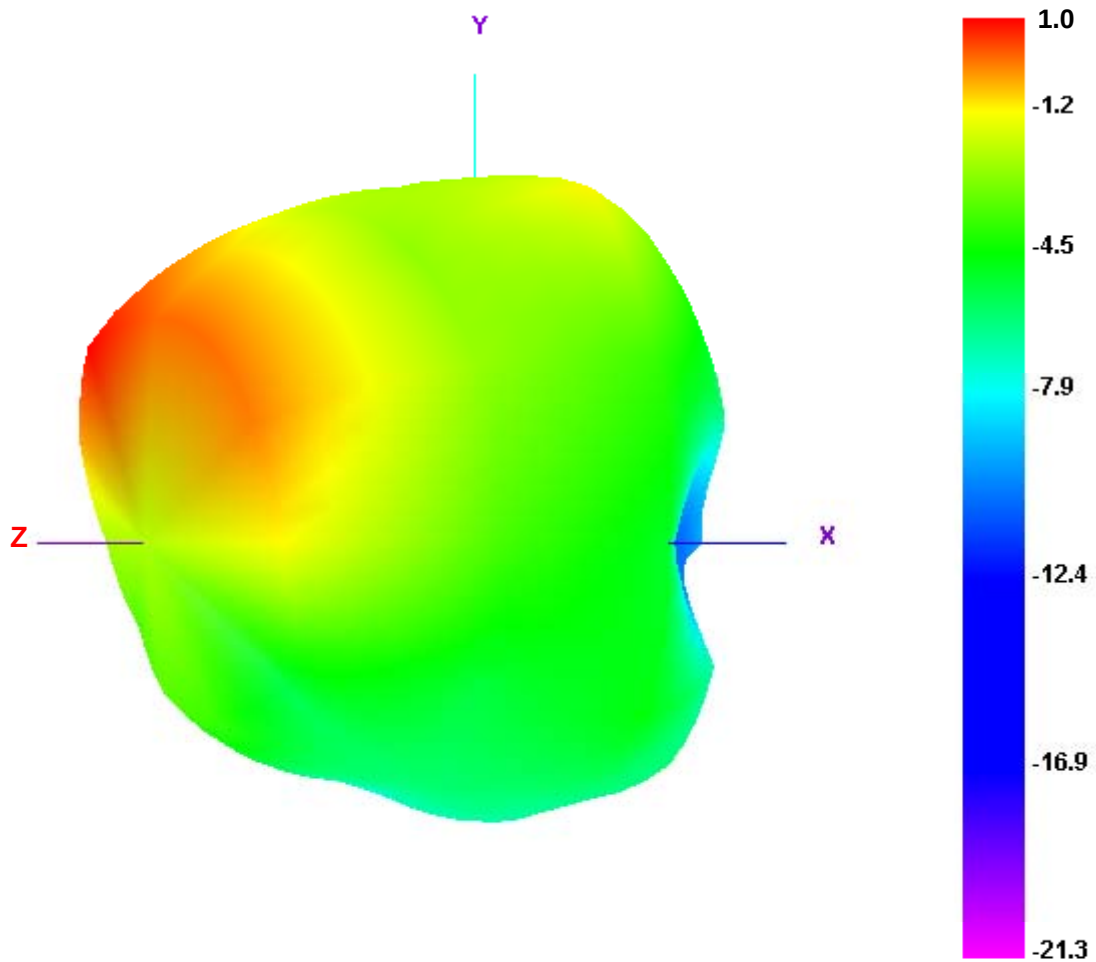
Passive Test For GPS

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
1570	36.4	-4.4	0.5
1571	36.7	-4.4	0.5
1572	37.0	-4.3	0.5
1573	37.3	-4.3	0.4
1574	37.5	-4.3	0.3
1575	37.7	-4.2	0.3
1576	37.8	-4.2	0.2
1577	37.8	-4.2	0.2
1578	37.8	-4.2	0.2
1579	37.7	-4.2	0.2
1580	37.6	-4.3	0.1



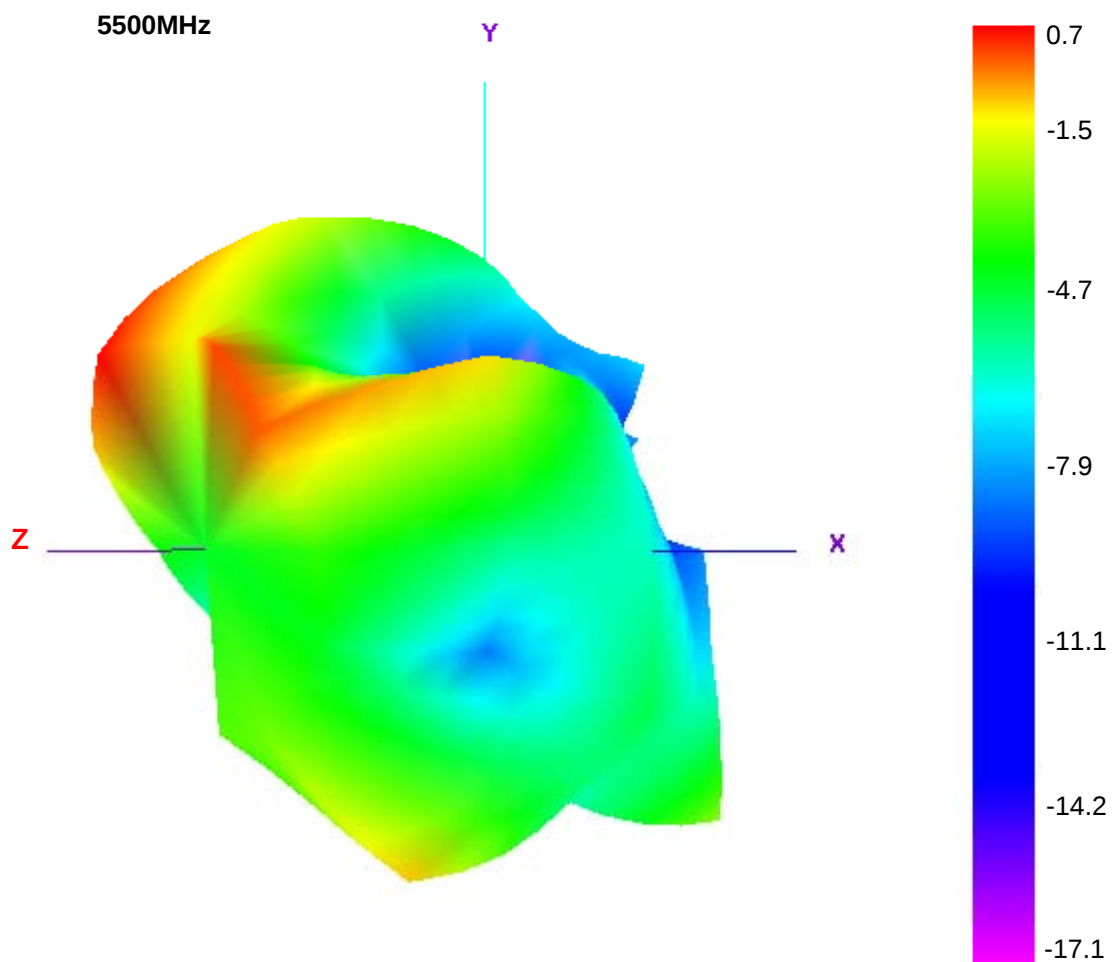
Radiation Pattern For WiFi2.4G Antenna

2450.000MHz





Radiation Pattern For WiFi5.5G Antenna





Radiation Pattern For GPS Antenna

1575.000MHz

