



承认书

SPECIFICATION FOR APPROVAL

客户 Customer: Picksmart Technology Co., Limited

品牌 Brand: DONGGUAN QY TECHNOLOGY,CO,. LTD

品名 Description: 2.4G ANT

规格/型号

Specification

/part no: FPC ANT

日期 Date: 2024.01.23

备注 Remark:

承认签章后请回复一份（或复印件）给我司，其余由贵公司留作存档。如果在签章的承认书（或复印件）回复给我司之前，下了有关此规格产品的订单且又无特别说明，那么我司就确定贵司已完全承认了。Pleasereturnone specificationoronecopyofitwithyourchopandsignatureofapprovalandretain the others for your record. In the event of an order being placed for this part number before the chop and signed with specification (or copy) is returned and without special explanation,itwill be assumed that full approval have been given.



规格书

客户料号

Customer P/N:

规格描述

Specification: FPC ANT

品名 Description: 2.4G ANT

供应商 Supplier: DONGGUAN QY TECHNOLOGY,CO., LTD

生产商 Producer: DONGGUAN QY TECHNOLOGY,CO., LTD

备注 Remark:

承认签章后请回复一份（或复印件）给我司，其余由贵公司留存存档。如果在签章的承认书（或复印件）回复给我司之前，下了有关此规格产品的订单且又无特别说明，那么我司就确定贵司已完全承认了。Please return one specification or one copy of it with your chop and signature of approval and retain the others for your record. In the event of an order being placed for this part number before the chop and signed with specification (or copy) is returned and without special explanation, it will be assumed that full approval have been given.

拟制/日期 CHECKED/DATE	审核/日期 AUDITOR/DATE	批准/日期 APPROVED/DATE
Zhang Bingxiang 2024.01.23	Wu Qianjin 2024.01.23	Luo Daxun 2024.01.23



规格书目录(Directory)

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履历表 (Resume)

版次号 Revision number	修改章节 Revise chapters	修改页码 modify pages	生效日期 effective date	变更内容 Changes	更改记录人 Change Recorder
V1.1					



电气参数 (Electrical parameters) :

Frequency 频率范围	2.4~2.5GHz
Impedance 特性阻抗	50Ω
S.W.R. 电压驻波比	≤2.0
Antenna Gain 增益	3.32dBi@2.41GHz
Polarization 极化形式	Vertical Polarization
Return Loss 回波损耗	-9.2dB MAX

机械参数(Mechanical parameters):

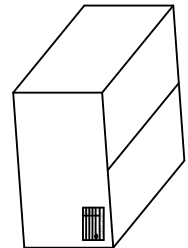
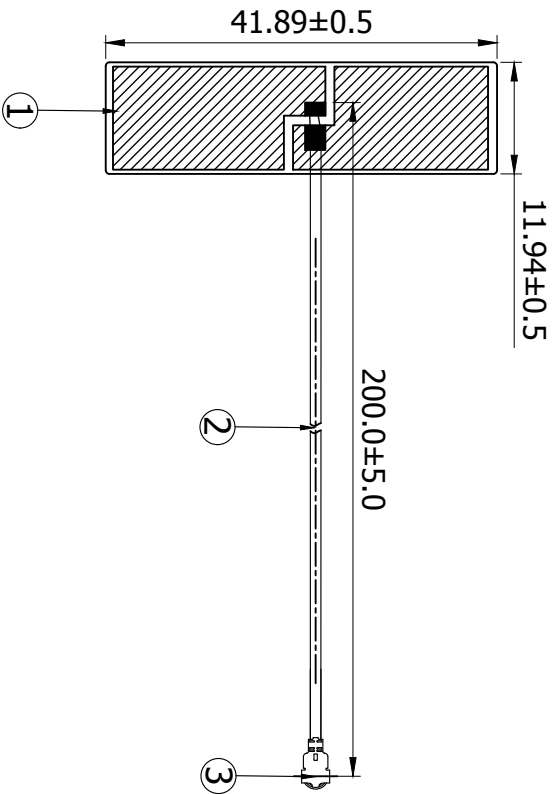
Antenna Colour 天线颜色	black
RF Cable Model 射频线型号	RG113, black
Connect Type 接口方式	IPEX 1 port

工作/储存温度 (Operating/ Storage Temperature) :

Operating Temperature 工作温度	-40~85℃
Storage Temperature 储存温度	-40~85℃

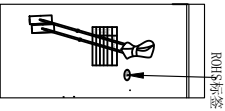
成品图

REV	DATE	DESCRIPTION
A	2024.01.23	New Issue



Specification:
 Frequency Range : 2.4~2.5GHz
 Return loss: -9.2dB or less
 VSWR: 1.92:1max
 Gain/Peak): 3.0dBi

Pack full: 200pcs/PE Bag
 1. 纸箱需贴上1pcs/ROHS环保
 标签至成品标签上;
 2. 纸箱须贴上1pcs外箱标签至
 纸箱右上角。



XXX	±5.0	APPROVED
XX	±2.0	CHECKED
X	±0.5	
.X	±0.2	DRAWING
.XX	±0.1	

NO	PART NAME	DESCRIPTION	Q'TY	REMARK
3	Connector	I-PEX I	1	
2	Cable	RG-113 RF Cable 50Ω,Black	1	
1	Antenna Body	FPC: 41.89*11.94*0.2mm, OSP,Black	1	

CUSTOMER	SCALE	SIZE	SHEET
	1/1	A 4	1 OF 1

PART NO	PART NAME	SCALE	SIZE	SHEET
	2.4G内置FPC天线	1/1	A 4	1 OF 1

Dongguanshi Qiyuan
 Electronic Technology Co., Ltd.
 东莞市启元电子科技有限公司

ENGINEERING DRAWING



测试设备(Test equipment):



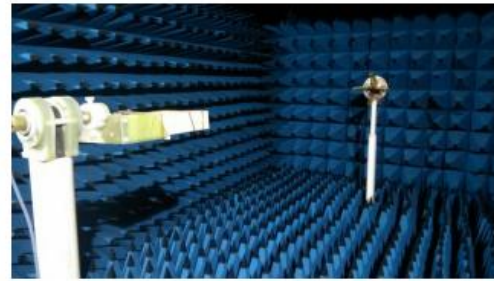
安捷伦 E5071C 网络分析仪



HP 8594E 频谱分析仪



CMW-500

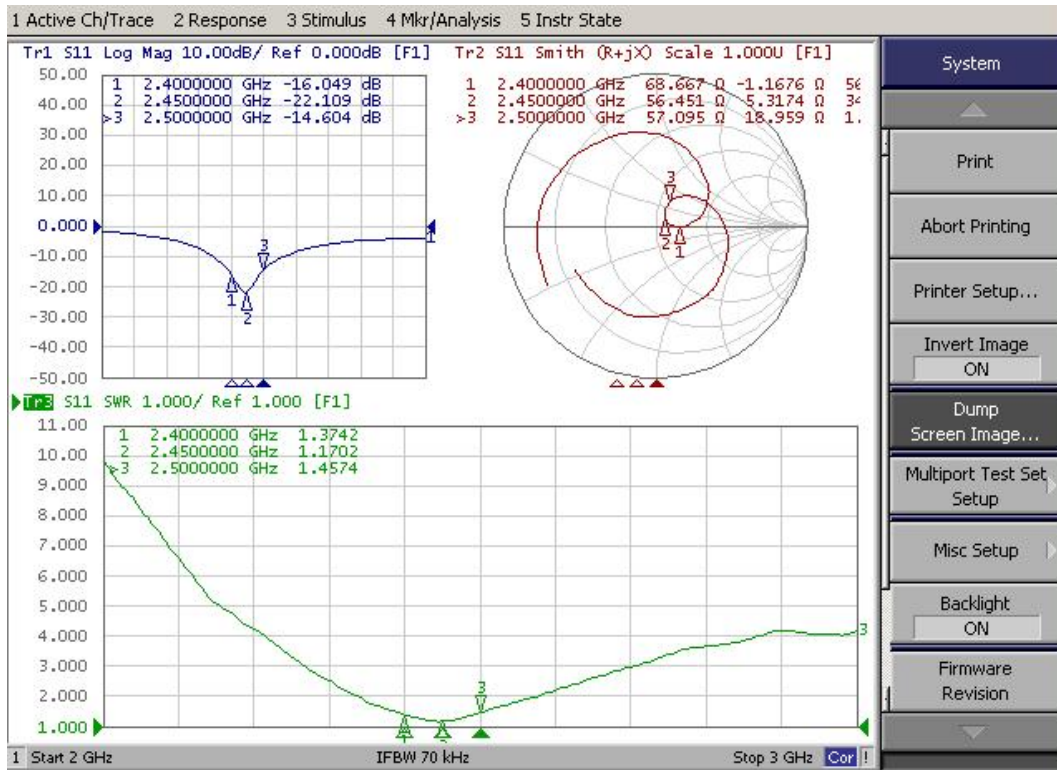


微波暗室



测试参数(Testing Parameters)

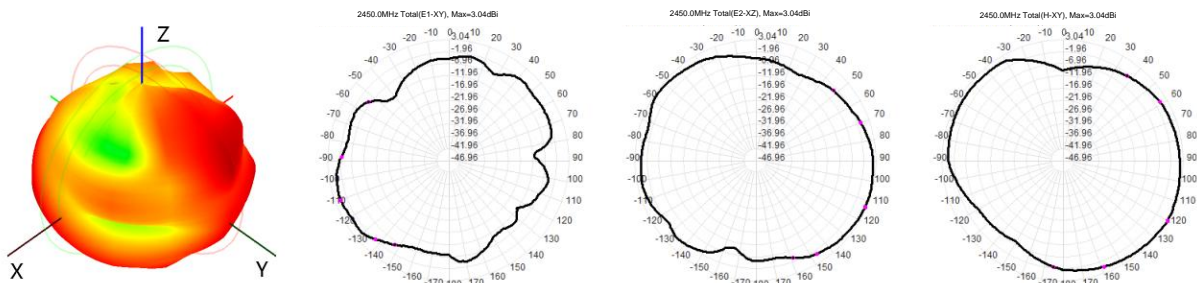
阻波比&回波损耗(V.S.W.R&Return Loss)



增益&效率(Gain&Efficiency)

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	2.92	3.32	2.82	3.14	3.26	3.04	2.80	2.81	2.96	2.82	2.86
Efficiency (%)	50.38	51.46	51.70	55.03	54.61	53.72	54.67	56.92	54.44	51.69	51.40

2D、3D 场型图(2D、3D Radiation Patter)



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