



SPECIFICATION FOR APPROVAL

CUSTOMER (客户名称)	瑞江	
CS P/N (客户机种)		
PART NAME (品名)	内置FPC天线 (RT-FPC306 V0.0) 2.4G/5.8G ϕ 1.13 黑色 L=150MM 带IPEX ROHS	
FREQUENCY (频率)	2400-2500MHz/5150-5850MHz	
RTANT NO. (物料编号)	RT441-10006-A	
DATE (日期)	2023.12.06	
出样签章		
APPROVED BY 核准	CHECKED BY 确认	DRAWED BY 制作
黄龙保	刘云海	刘云海
Remark (备注):		
客户承认签章		
APPROVED BY 核准	CHECKED BY 确认	TESTED BY 检测
Sign (客户确认签字盖章): _____		

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Address: Building E, Delang Industrial Innovation Park, Shalong Road, Shatang Industrial Zone, Houjie Town, Dongguan, China

1. 产品实物图片 Product picture



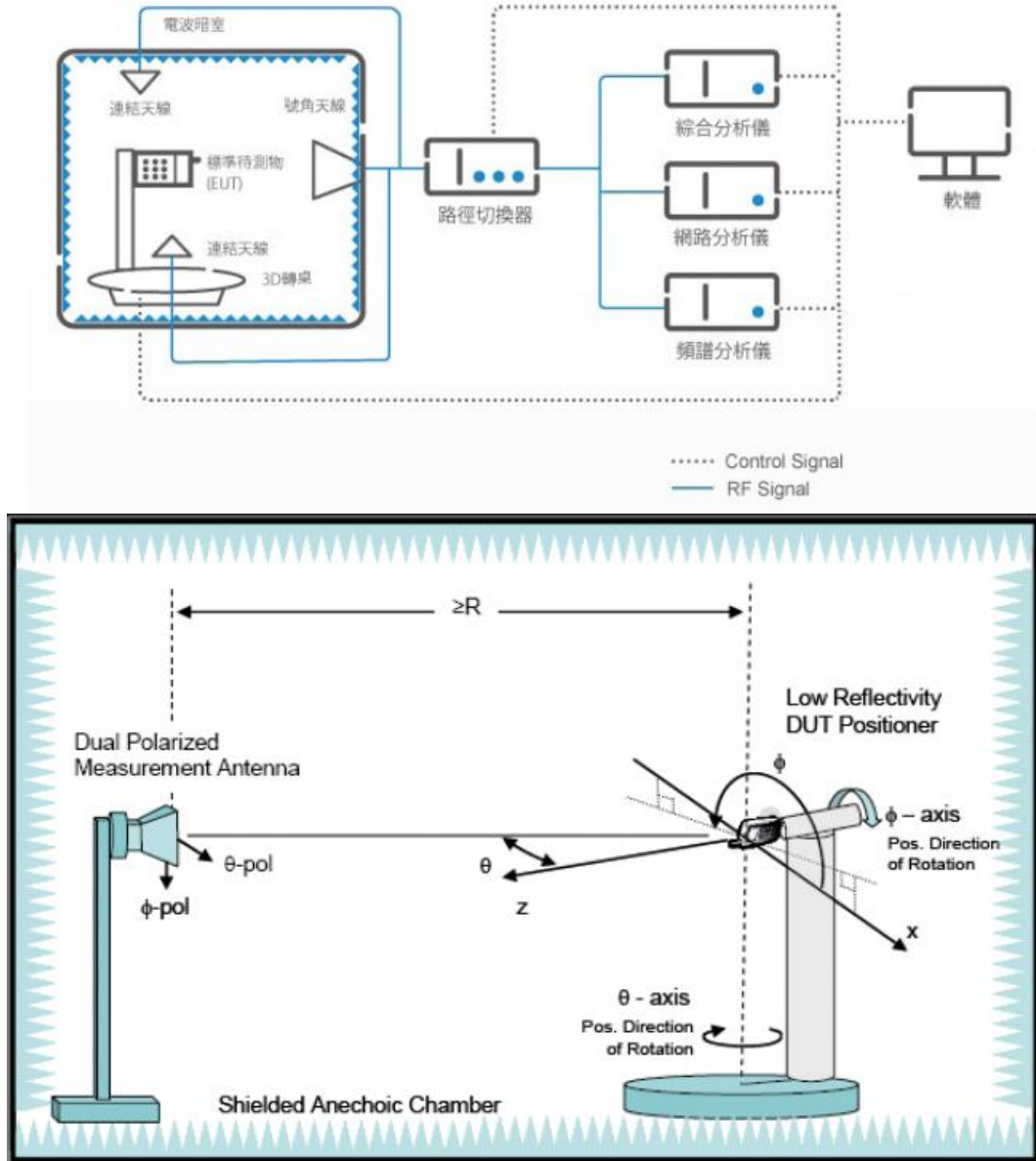
2. 规格表 Specification

A. Electrical Properties	
Frequency Rang 频段范围	2400-2500MHz/5150-5850MHz
Impedance 特性阻抗	50 Ω Nominal
VSWR 电压驻波比	2.0Max. (带机壳)
Gain(peak) 增益 (峰值)	4.14dBi
Efficiency 效率	>50%
Out of roundness 不圆度	3.0 dBi (Max.)
Radiation 辐射方式	Omni-Directional/全向
Polarization 极化方式	Linear Vertical/垂直
B. Physical Properties	
Connector Type 连接方式	IPEX
Cable 线材	Φ 1.13mm
Antenna Radiator 天线振子体	FPC

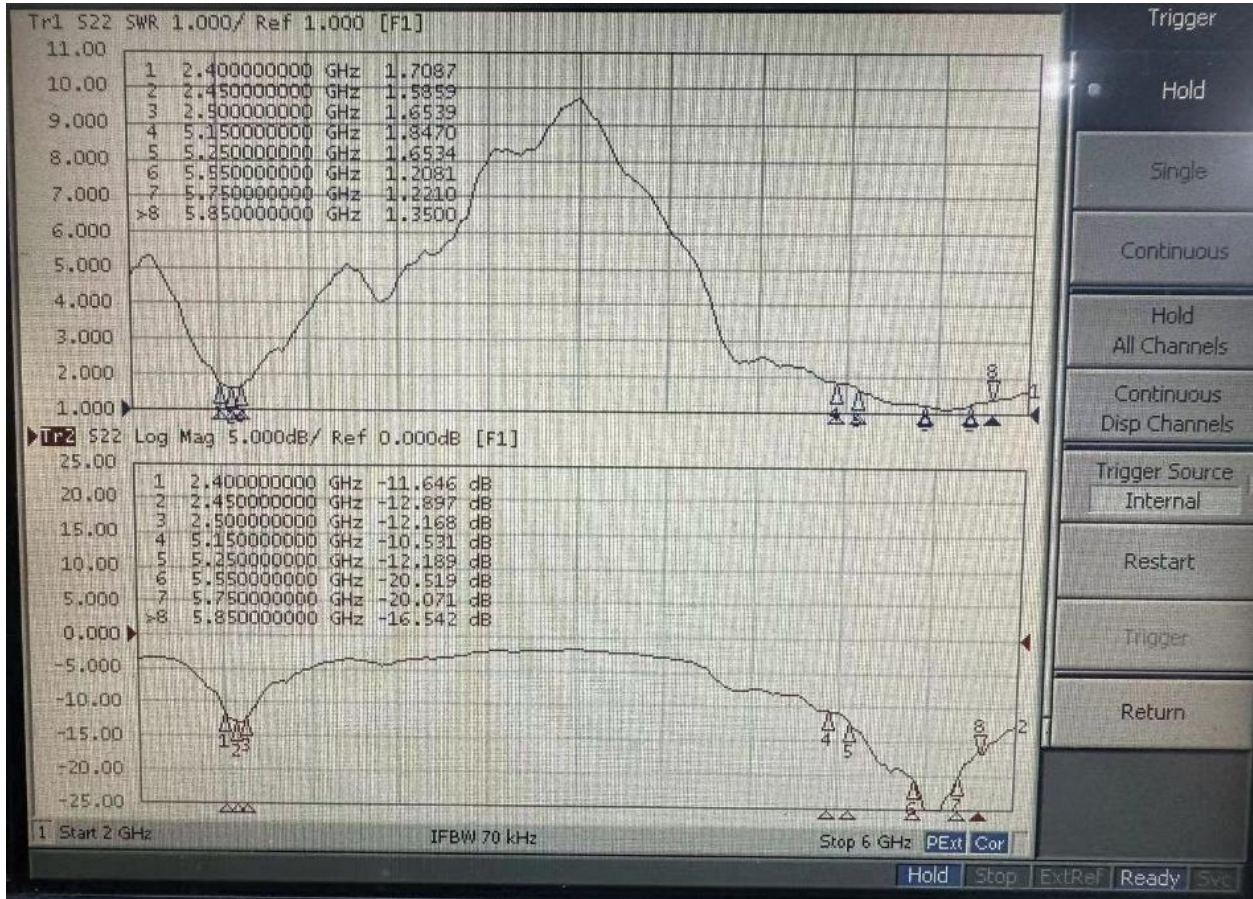
3. 电性测试报告Electrical Test Report

3.1 Test equipment

OTA 系統架構圖



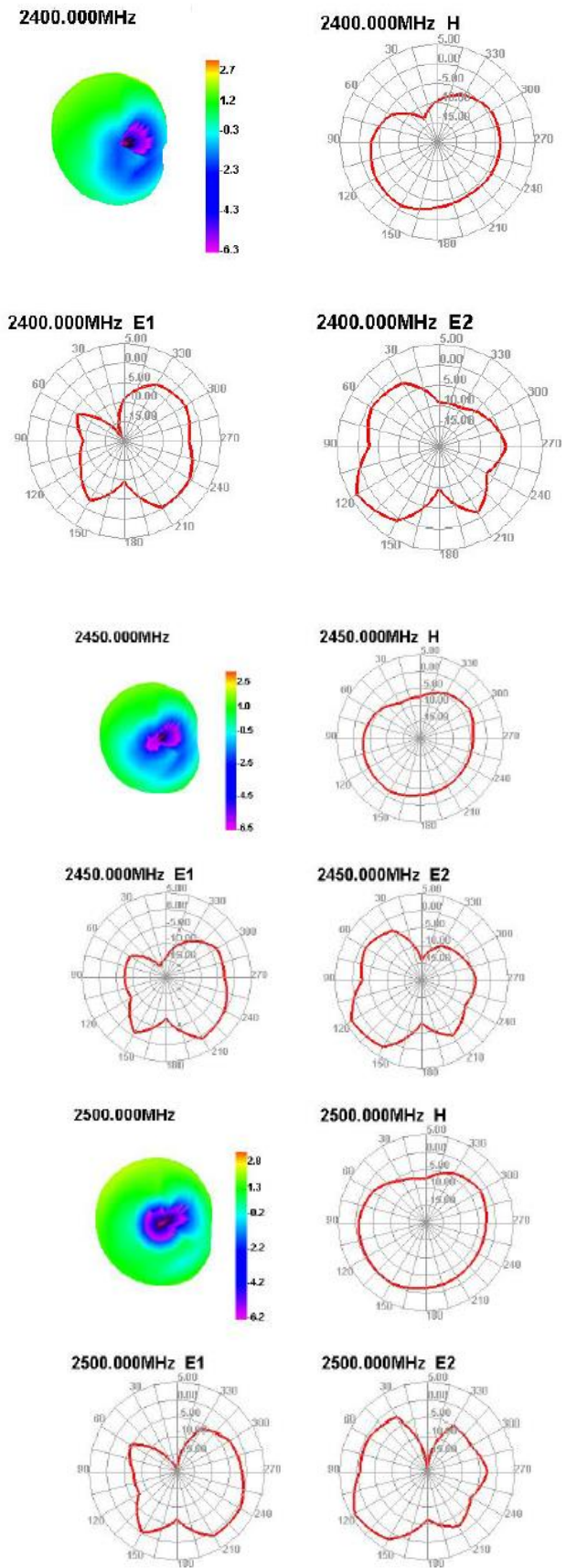
3.2 The Network Analyzer Test Report

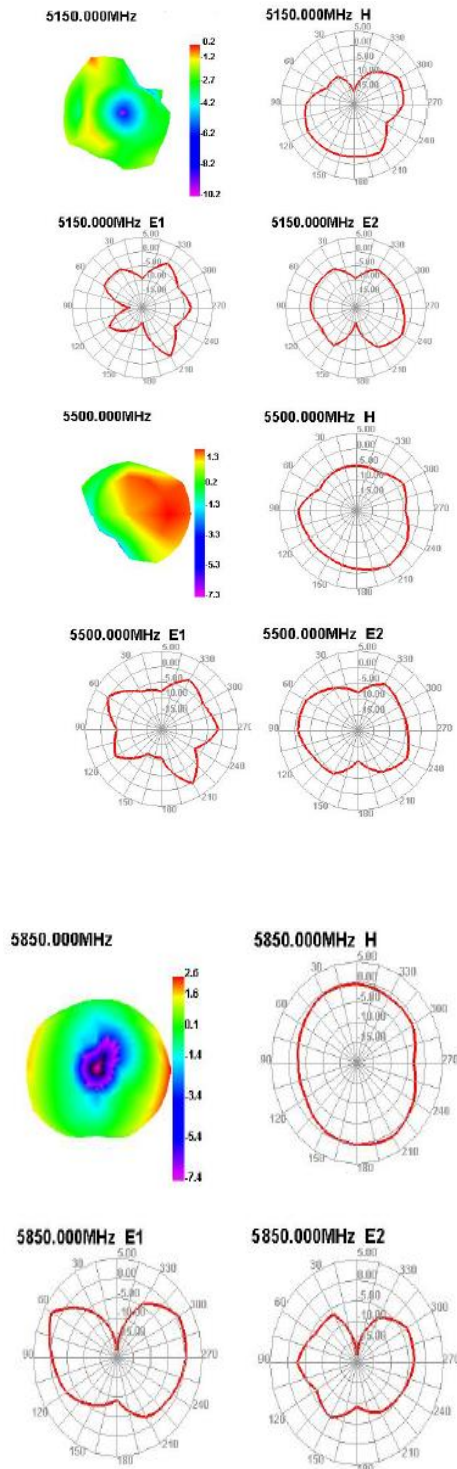


3.3 Passive test data

Frequency	Efficiency (%)	Gain (dBi)	Frequency	Efficiency (%)	Gain (dBi)
2.4GHz	68.82	3.23	5.15GHz	61.48	2.29
2.41GHz	67.58	3.46	5.2GHz	60.69	2.33
2.42GHz	65.94	3.6	5.25GHz	58.15	1.67
2.43GHz	66.95	3.76	5.3GHz	53.46	1.13
2.44GHz	66.77	3.98	5.35GHz	54.17	1.31
2.45GHz	68.9	4.12	5.4GHz	56.33	1.63
2.46GHz	69.17	4.14	5.45GHz	54.55	1.32
2.47GHz	68.97	4.03	5.5GHz	55.17	1.43
2.48GHz	66.33	3.84	5.55GHz	53.12	2.53
2.49GHz	65.25	3.75	5.6GHz	54.08	2.47
2.5GHz	64.23	3.94	5.65GHz	55.25	2.97
			5.7GHz	53.13	2.31
			5.75GHz	55.01	2.76
			5.8GHz	58.25	2.14
			5.85GHz	52.49	1.94

4 Radiated Pattern

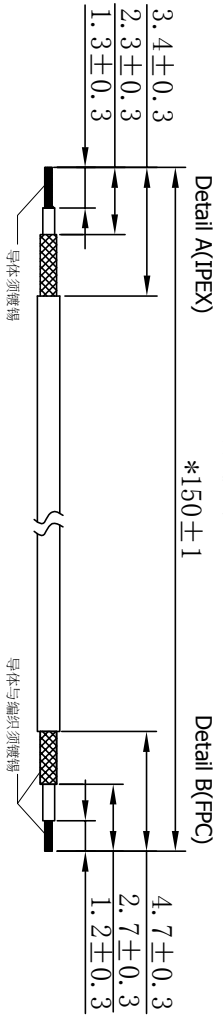
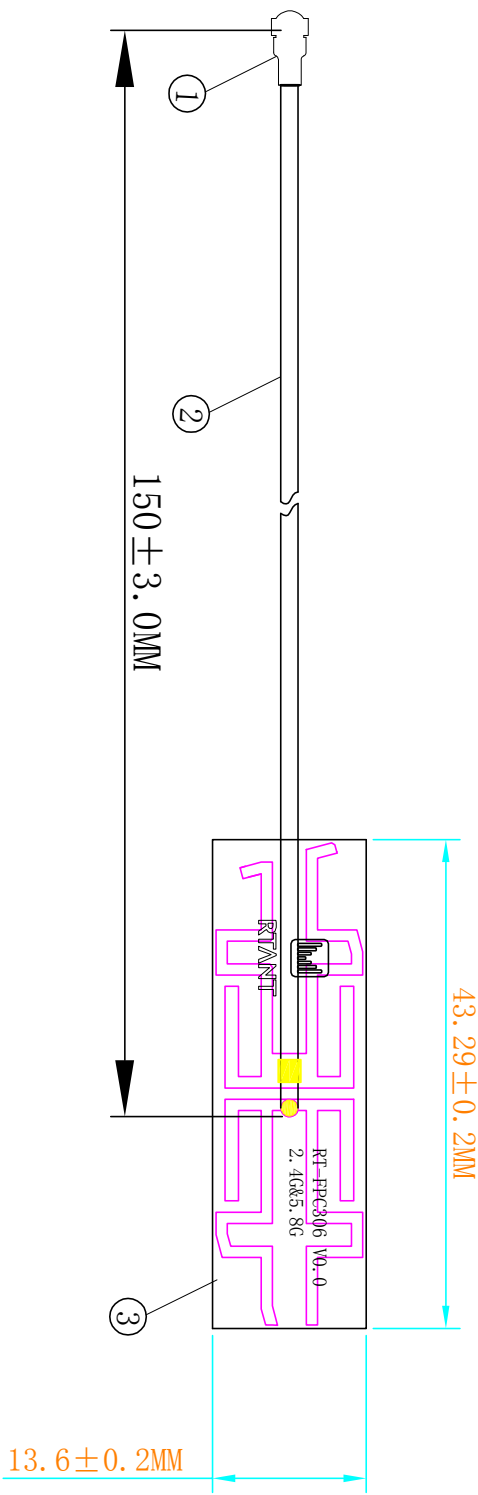




工程图

SIGN	DATE	DESCRIPTION	APPROVER
A0	23.08.23	New drawing	姜文祥

注：端子方向



剥线尺寸：
*150 ± 1

- NOTE:
- 1.带"*"为重点管制尺寸;
 - 2.电测:
Frequency Range: 2.4-2.5GHz
5.15-5.85GHz
 - 3.VSWR: 2.0MAX (带机壳)
 - 4.工作环境: -40°C +65°C;
 5. IPEX方向管制:
100mm ± 90度;
200mm ± 135度;
200mm以上不管控;

No.	Part Number	Name	Material	Describe	Q'ty
3	Q70-020152-A	FPC	电解铜	字样 "RT-FPC306 V0.0 2.4G&S.8G"	1
2	W10-080010-A	φ1.13mm CABLE	镀锡铜	50欧姆 黑色 ROHS	1
1	Q20-160024-A	IPEX CONN#	CU	1.13 镀金	1

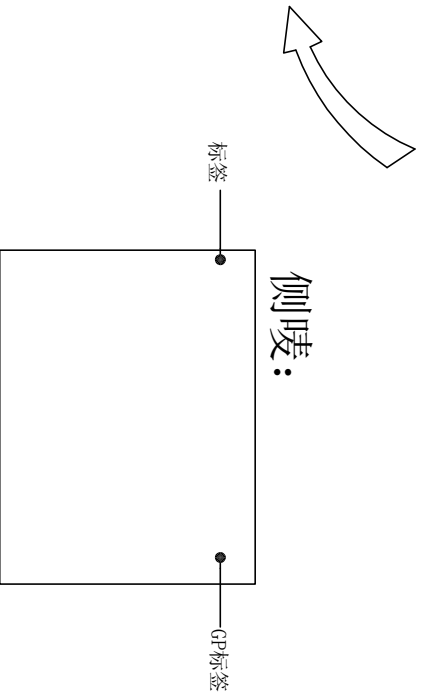
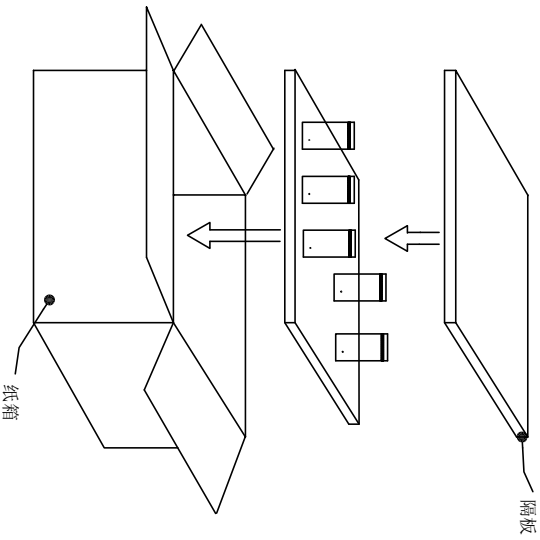
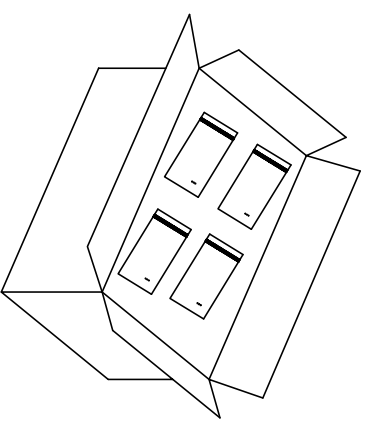
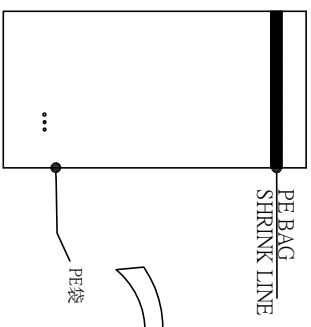
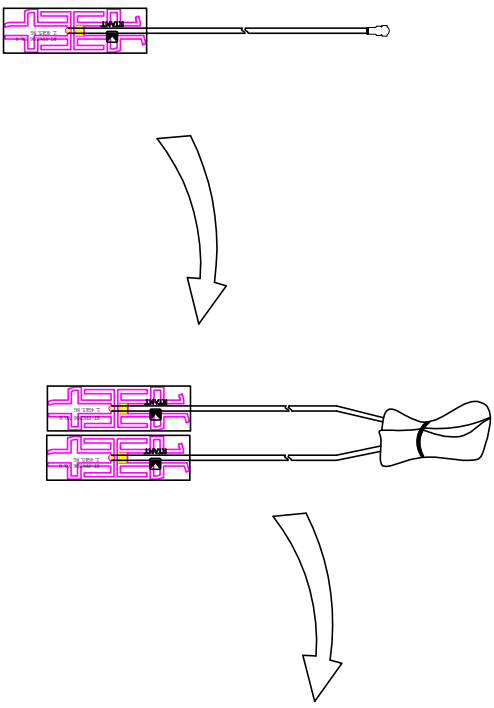
TITLE: 内置FPC天线		DRAW NO.: RT441-10006-A	
P/N: ---		CUSTOMER: 瑞沅江	
DIMENSIONS TOLERANCES UNLESS OTHERWISE NOTED			
TOLERANCE		XXX ±0.1	XX ±5
一般公差		XX ±0.5	
		X ±1.0	
		X ±3.0	
SHEET: 1/1		SCALE: NONE	CHECKED
UNIT: mm		REV: X0	DRAWN
APPROVED		DRAWN	

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A B C D E F G

SIGN	DATE	DESCRIPTION	APPROVER
A0	23.08.23	New drawing	姜文祥



TITLE:	内置PCB天线			RTANT COMMUNICATIONS CO.,LTD	
P/N:	---	RTANT		东莞市安特通信有限公司	
CUSTOMER:	瑞江			Http://www.rtant.com	
DRAW NO.:	RT441-10006-A	E-mail:cl@rtant.com		Tel: 0769-82682673	
DIMENSIONS TOLERANCES UNLESS OTHERWISE NOTED					
一般公差	XXX ±0.1	XX ±0.5	XX ±5	SHEET: 1/1	SCALE: NONE
TOLERANCE	X ±1.0	X ±3.0		UNIT: mm	REV:A0
			APPROVED	CHECKED	DRAWN
					姜文祥

A B C D E F G

1 2 3 4 5 6