



Product Number:RT441-10006-A
Product Name: Internal FPC Antenna

Version: X0

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): _____		

RTANT COMMUNICATIONS CO., LTD

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Http://www.rtant.com

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



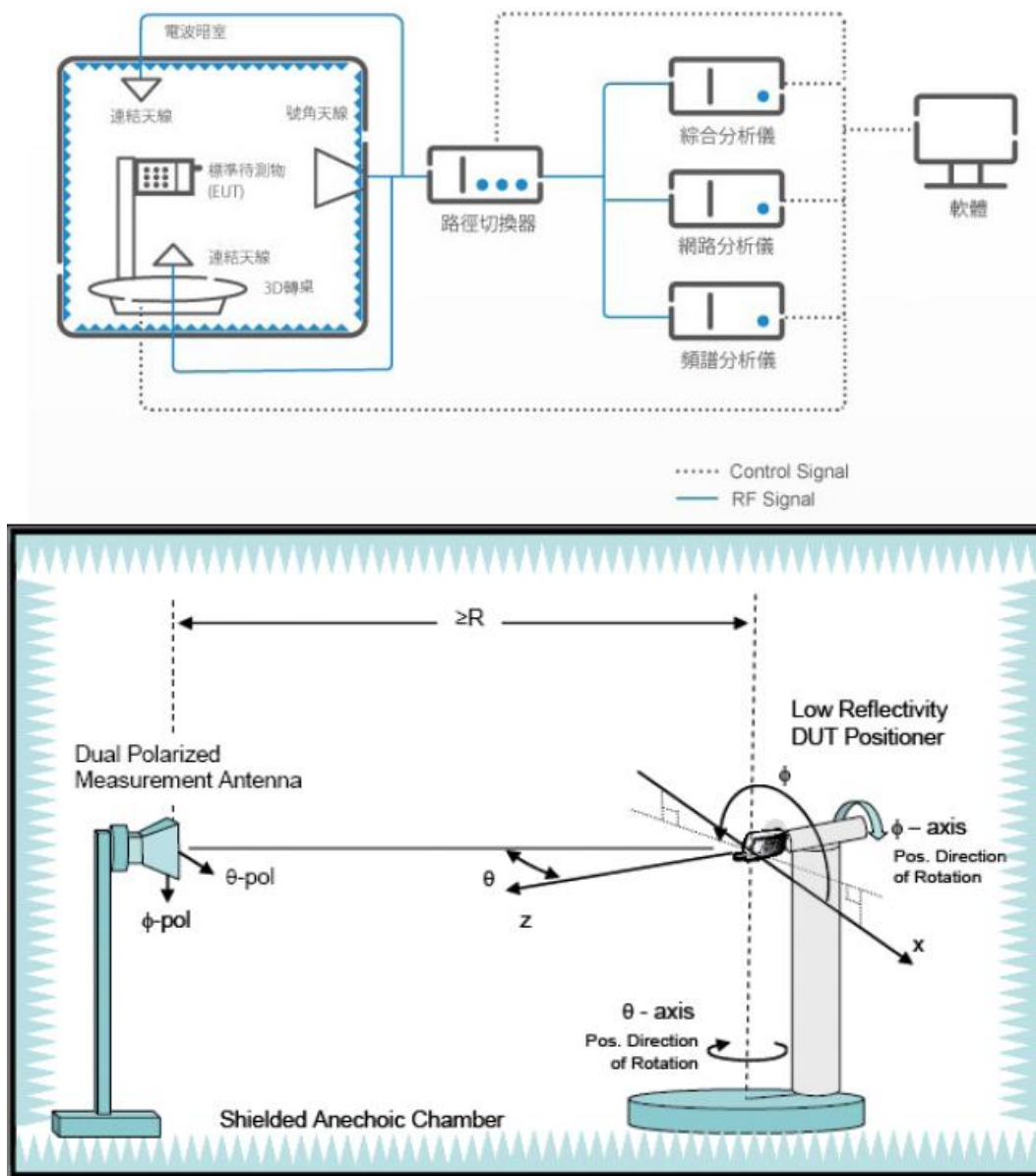
2. 规格表Specification

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

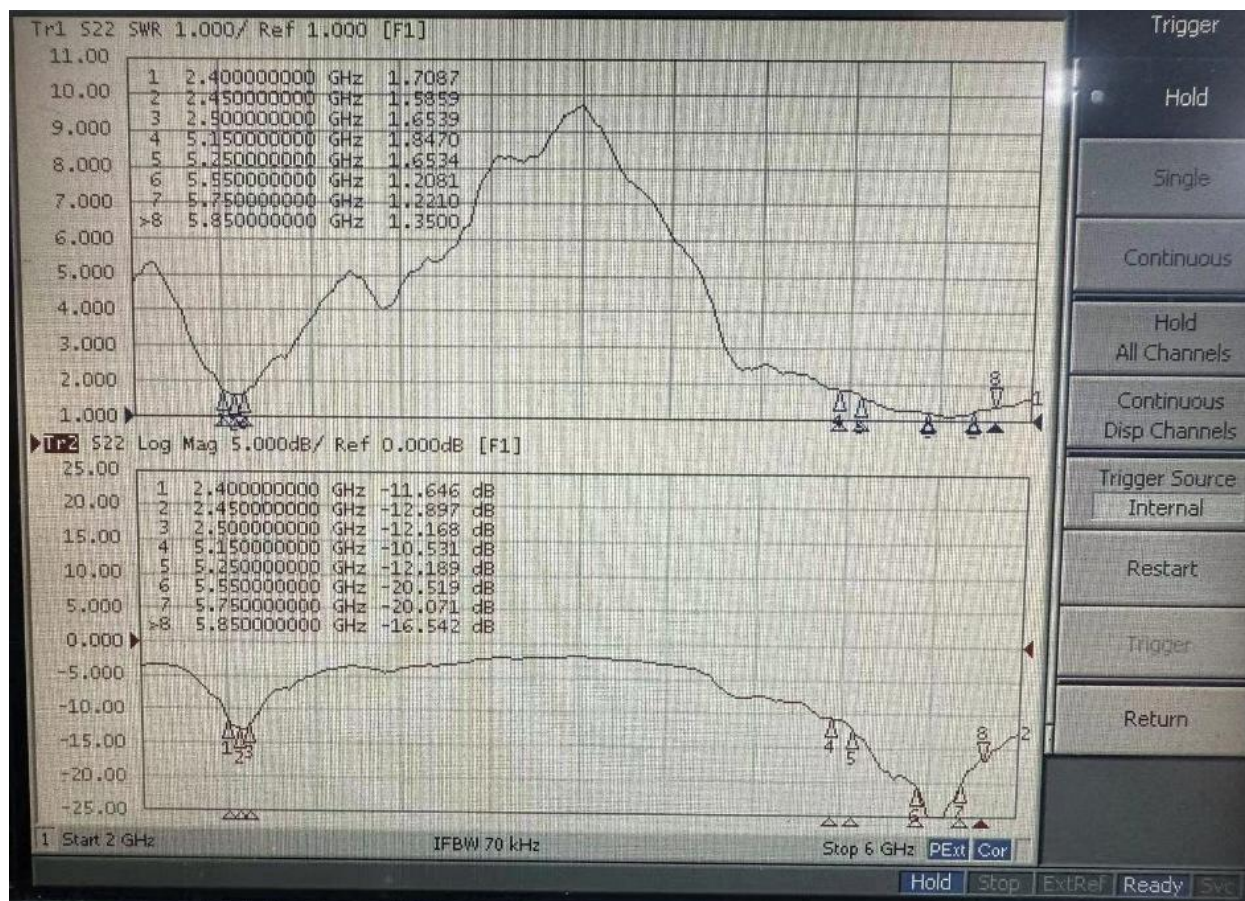
3. 电性测试报告Electrical Test Report

3.1 Test equipment

OTA 系統架構圖



3.2 The Network Analyzer Test Report

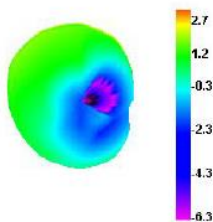


3.3 Passive test data

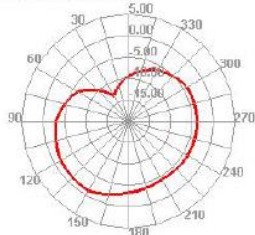
Frequency	Efficiency (%)	Gain (dBi)	Frequency	Efficiency (%)	Gain (dBi)
2.4GHz	68.82	3.23	5.15GHz	61.48	2.29
2.41GHz	67.58	3.46	5.2GHz	60.69	2.33
2.42GHz	65.94	3.6	5.25GHz	58.15	1.67
2.43GHz	66.95	3.76	5.3GHz	53.46	1.13
2.44GHz	66.77	3.98	5.35GHz	54.17	1.31
2.45GHz	68.9	4.12	5.4GHz	56.33	1.63
2.46GHz	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

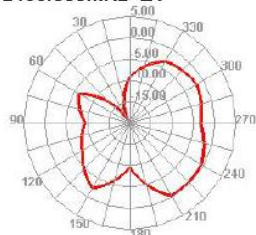
2400.000MHz



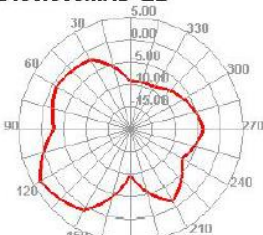
2400.000MHz H



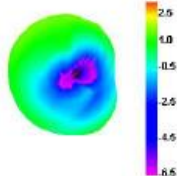
2400.000MHz E1



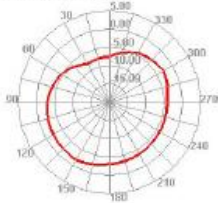
2400.000MHz E2



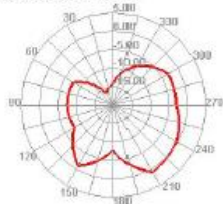
2450.000MHz



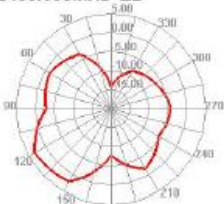
2450.000MHz H



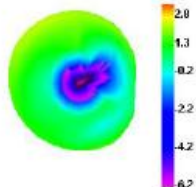
2450.000MHz E1



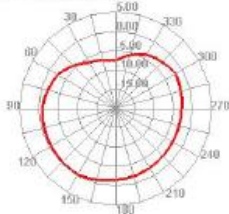
2450.000MHz E2



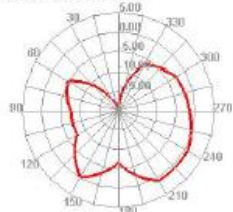
2500.000MHz



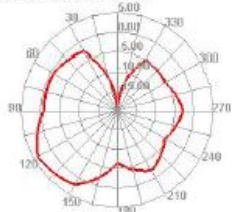
2500.000MHz H

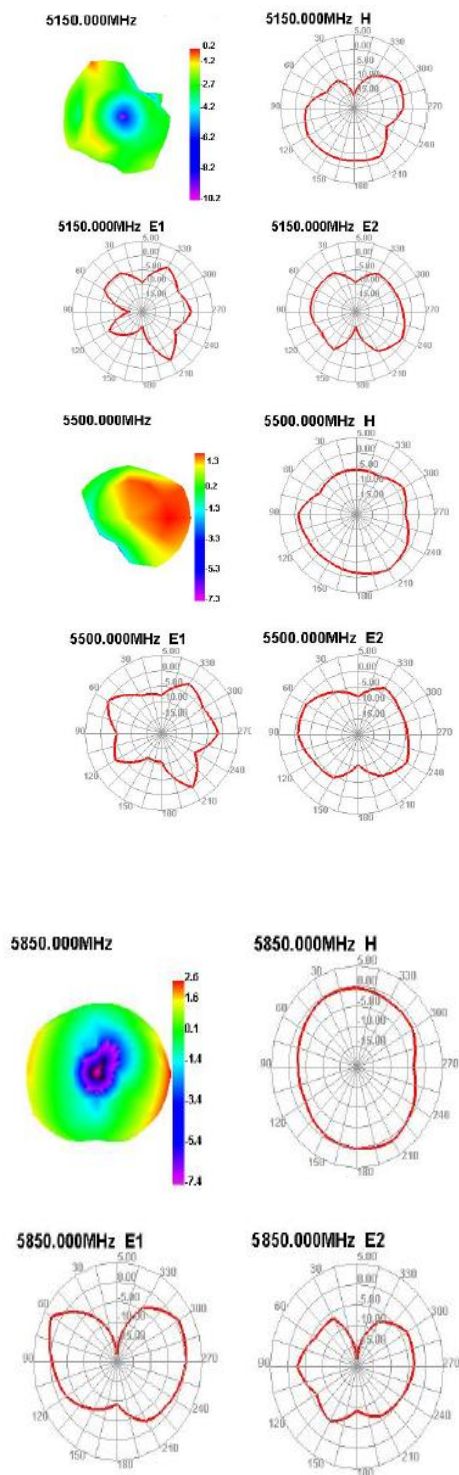


2500.000MHz E1



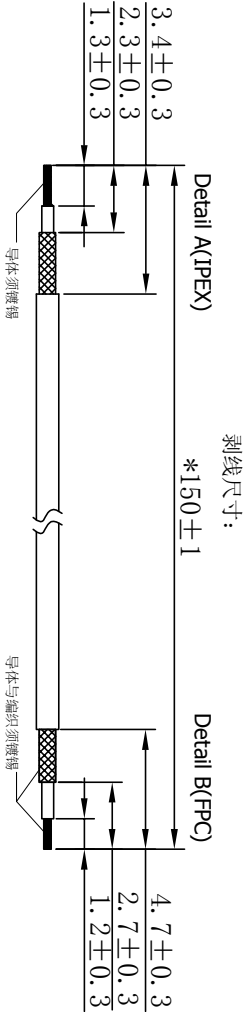
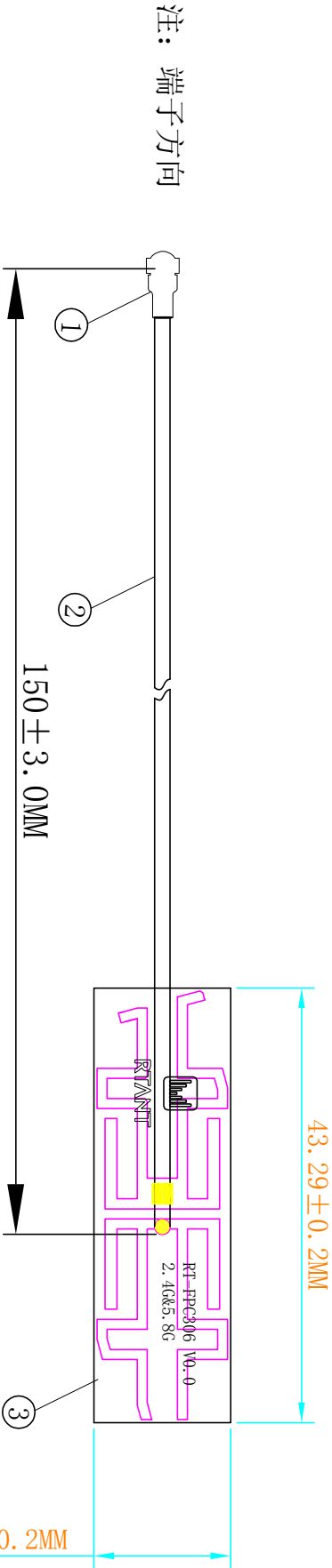
2500.000MHz E2



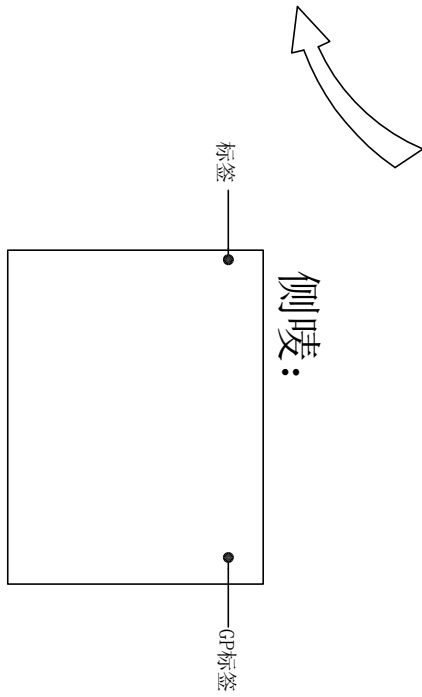
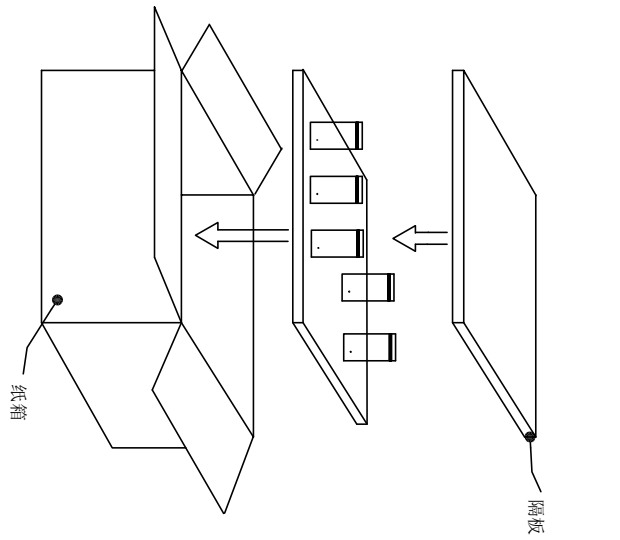
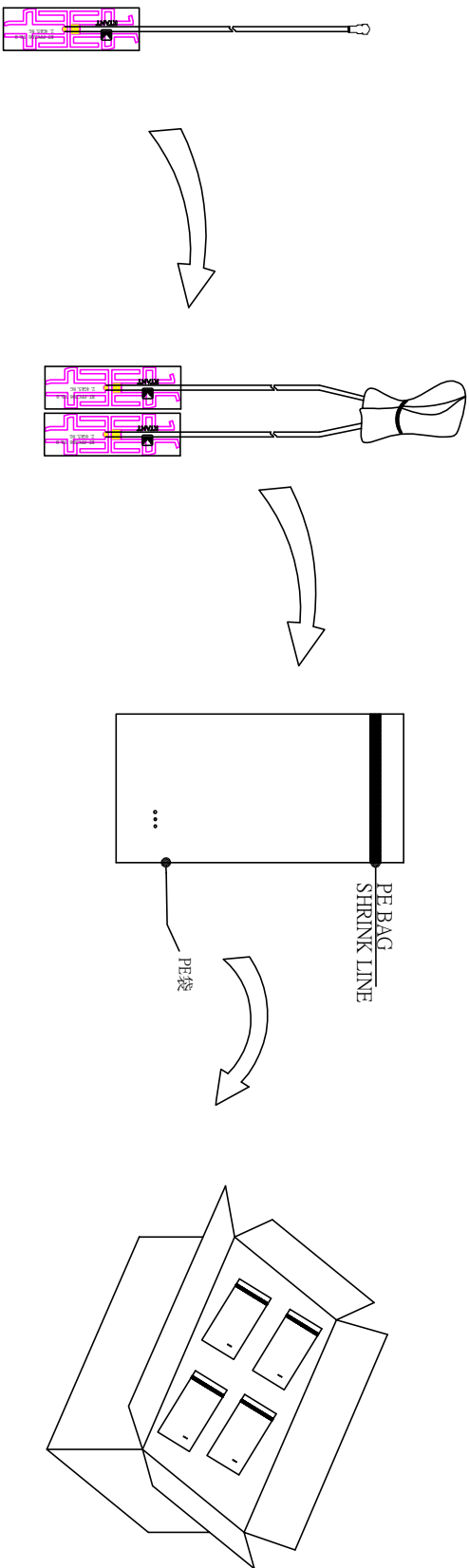


工程图

SIGN	DATE	DESCRIPTION	APPROVER
A0	23.08.23	New drawing	姜文祥



TITLE: 内置FPC天线		RTANT COMMUNICATIONS CO.,LTD	
P/N: ---		东莞市安特通信有限公司	
CUSTOMER: 瑞沅		http://www.rtant.com	
DRAW NO.: RT441-10006-A		Tel:0769-85683336	
DIMENSIONS TOLERANCES UNLESS OTHERWISE NOTED		F-mail:dragon@rtant.com	
一般公差		SHEET: 1/1	
TOLERANCE		SCALE: NONE	
		UNIT: mm	
		REV:X0	
		DRAWN	
		APPROVED	
		CHECKED	
		DRAWN	
		姜文祥	



TITLE:		内置PCB天线				 RTANT COMMUNICATIONS CO.,LTD 东莞市安特通信有限公司 Http://www.rtant.com E-mail: dting@rtant.com Tel: 0769-8583836 Fax: 0769-8268273				
P/N:		---								
CUSTOMER:		瑞江								
DRAW NO.:		RT441-10006-A								
DIMENSIONS TOLERANCES UNLESS OTHERWISE NOTED										
一般公差 TOLERANCE		XXX	±0.1	XX	±5		SHEET: 1/1		SCALE: NONE	
		XX	±0.5				UNIT: mm		REV: A0	
		X	±1.0							
		X	±3.0							
						APPROVED				
						CHECKED				
						DRAWED		姜文祥		