

规格书

SPECIFICATION FOR APPROVAL

物料描述

DESCRIBE: Antenna For Anker (A3321/A3322)

客户料号

Customer NO:

物料编码

PART NO: ATC1413-HY067B04TA

天线类型

Antenna type: BT FPC ANT

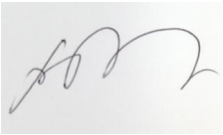
日期

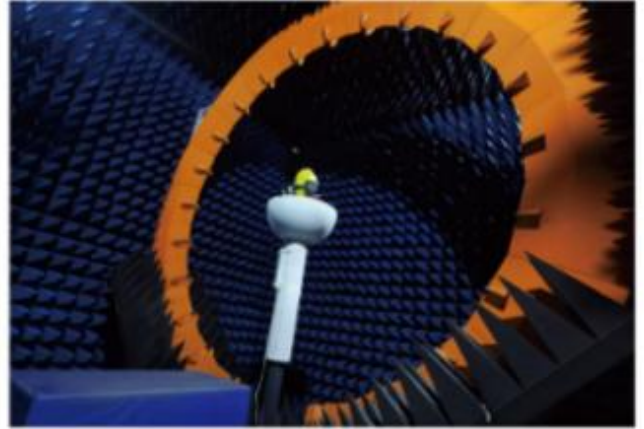
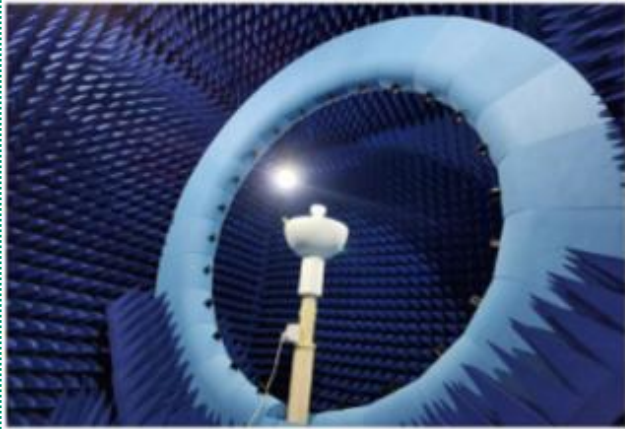
DATE: 2024. 01. 24

供应商

PROVIDER: 爱特恩科技（深圳）有限公司

AT&C TECHNOLOGIES(SHENZHEN) CO. LTD

客户承认 CustomerAdmit	确认 confirm	研发/R & D	品质/Quality	采购/Procurement	核准/Approved
供应商承认 SupplierAdmit	确认 confirm	确认/Confirm	校对/Check	审核/Examine	批准/Approved
		Lnf	Ygc	Xly	



We have RF equipments as below

Anechoic Chambe

- Satimo 1ea
- SY24 1ea
- SAR 1ea
- KSS 2ea

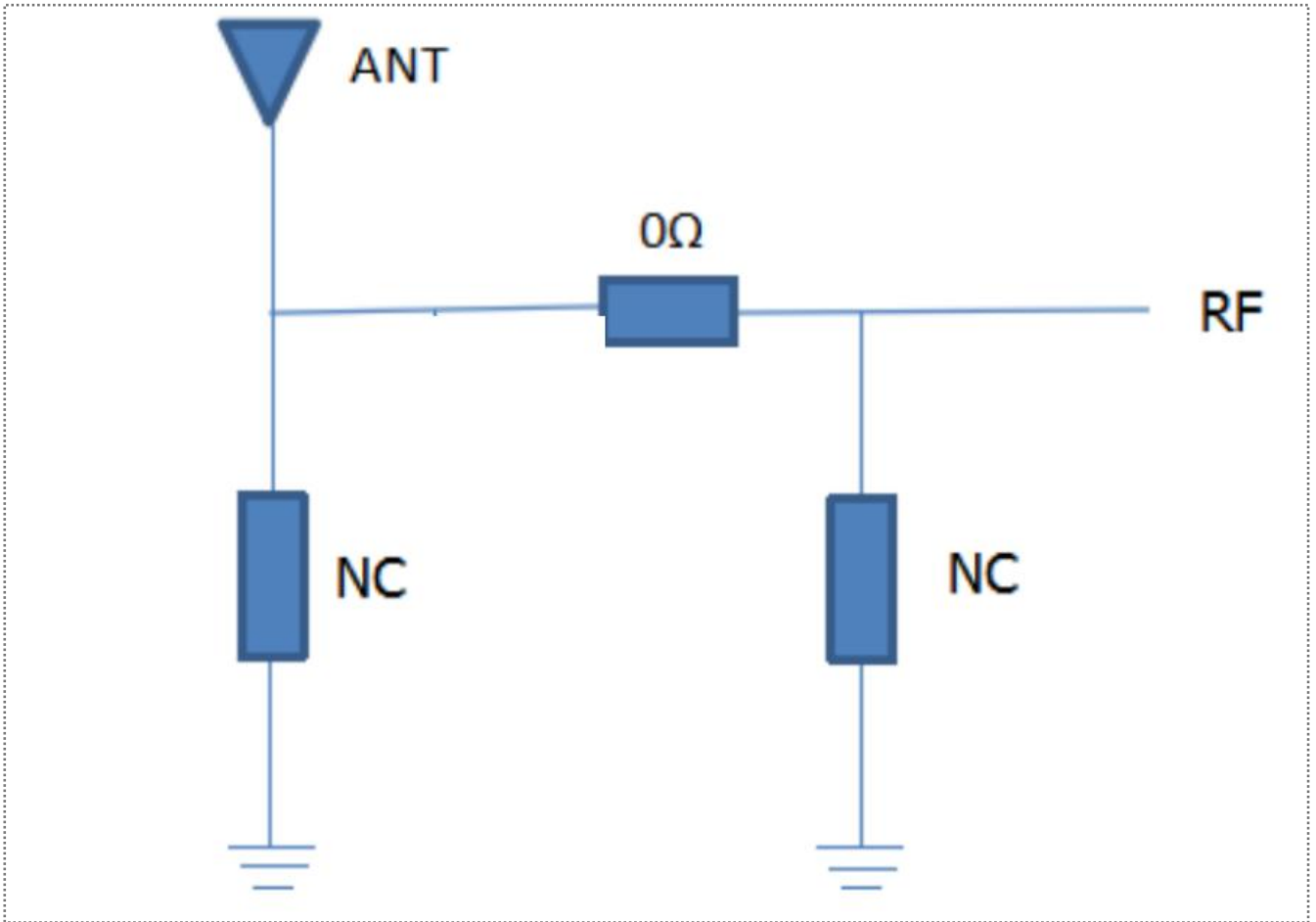
Measurement

- 2G, 3G, 4G
- GPS
- Wifi
- Bluetooth(3.0) OTA
- NFC & WPC

BT-ANT

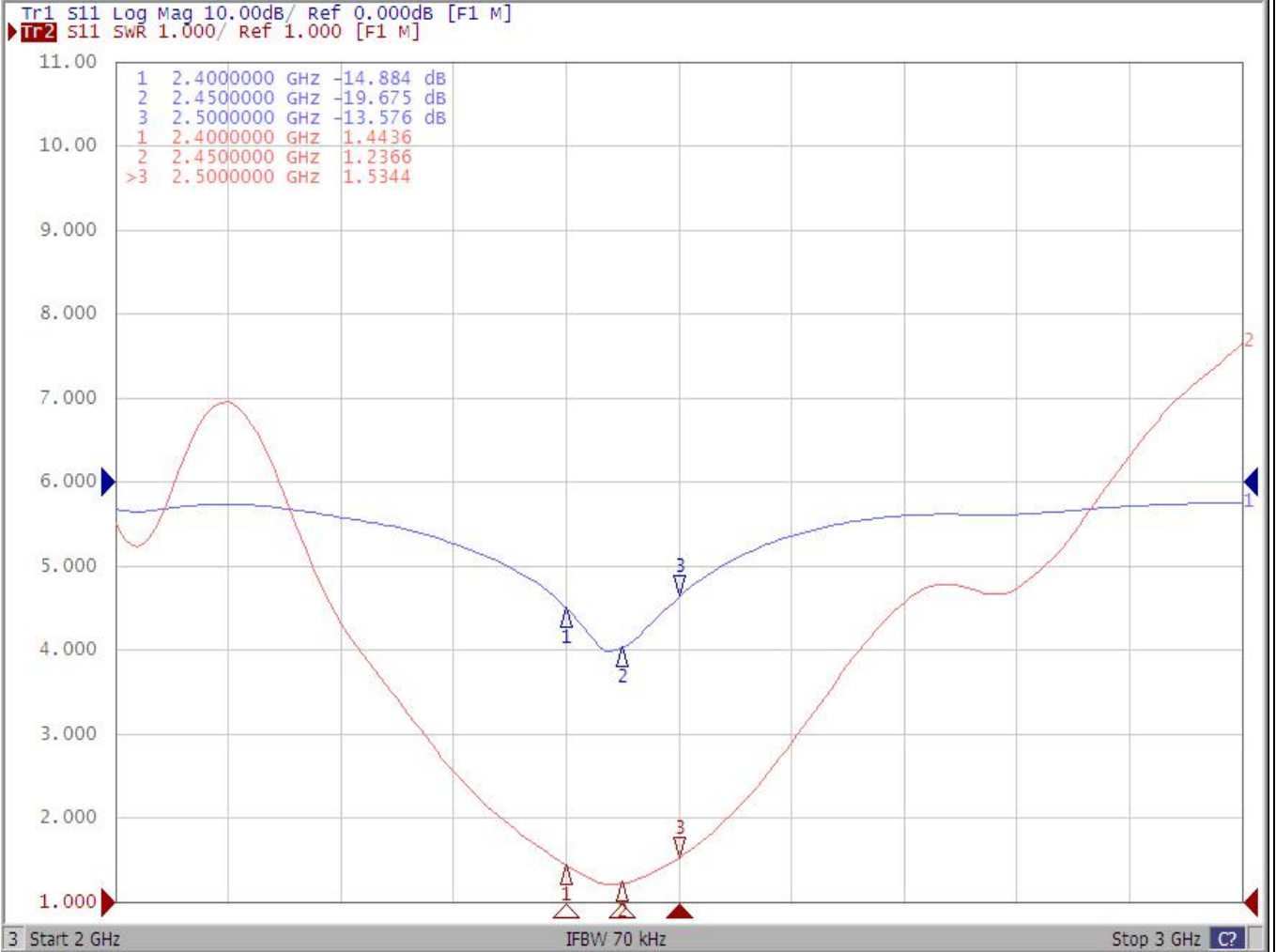


Customer 客户	Anker	Written By 制作	LNF	Orig. Date 制作日期	2024.01.24
Part Number 料号	ATC1413-HY067B04TA	Revised By 校订	SHIN	Revised Date 校订日期	2024.01.24
Description 零件名称	BT-ANT	Approved By 确认	HJ	Approved Date 确认日期	2024.01.24



天线网分图/Antenna S11/SWR

Customer 客户	Anker	Written By 制作	LNF	Orig. Date 制作日期	2024.01.24
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Description 零件名称	BT-ANT	Approved By 确认	HJ	Approved Date 确认日期	2024.01.24



天线无源效率增益/Antenna *Efficiency&Gain

Customer 客户	Anker	Written By 制作	LNF	Orig. Date 制作日期	2024.01.24
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Description 零件名称	BT-ANT	Approved By 确认	HJ	Approved Date 确认日期	2024.01.24

Frequency	Efficiency	Gain.dBi
2400	57%	2.55
2410	59%	2.69
2420	59%	2.79
2430	58%	3.01
2440	57%	3.10
2450	59%	3.18
2460	61%	3.17
2470	63%	3.21
2480	63%	3.25
2490	64%	3.26
2500	62%	3.33

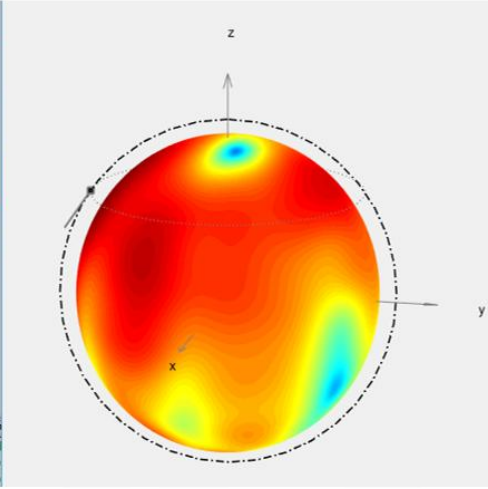
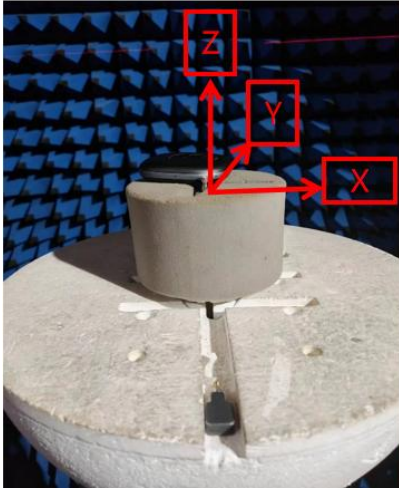
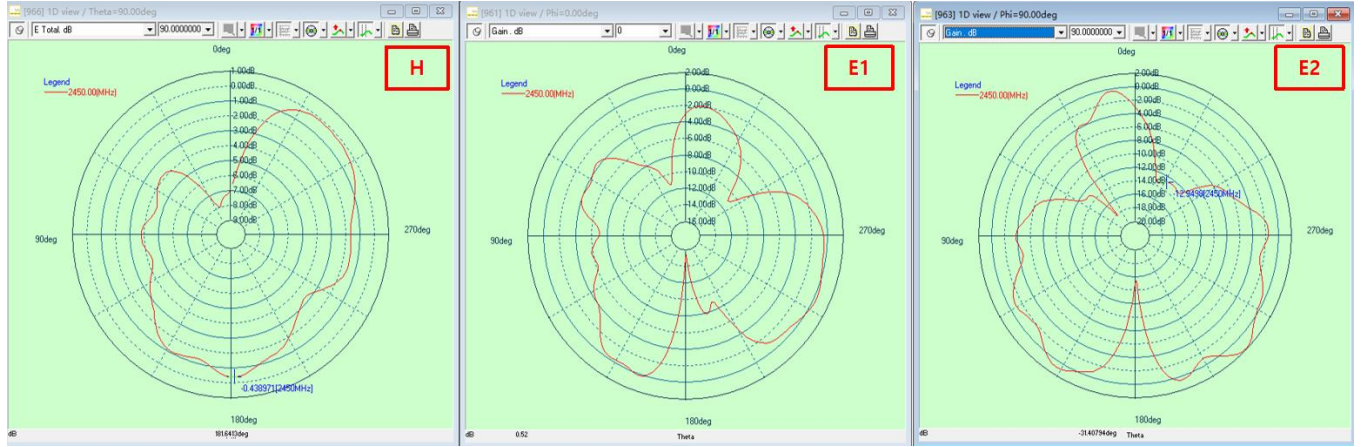
天线OTA数据/Antenna OTA TEST

Customer 客户	Anker	Written By 制作	LNF	Orig. Date 制作日期	2024.01.24
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Description 零件名称	BT-ANT	Approved By 确认	HJ	Approved Date 确认日期	2024.01.24

Antenna OTA TEST

	CH	TRP	TIS
BT	0	8.19	-88.85
	39	8.40	-89.68
	79	8.47	-89.44

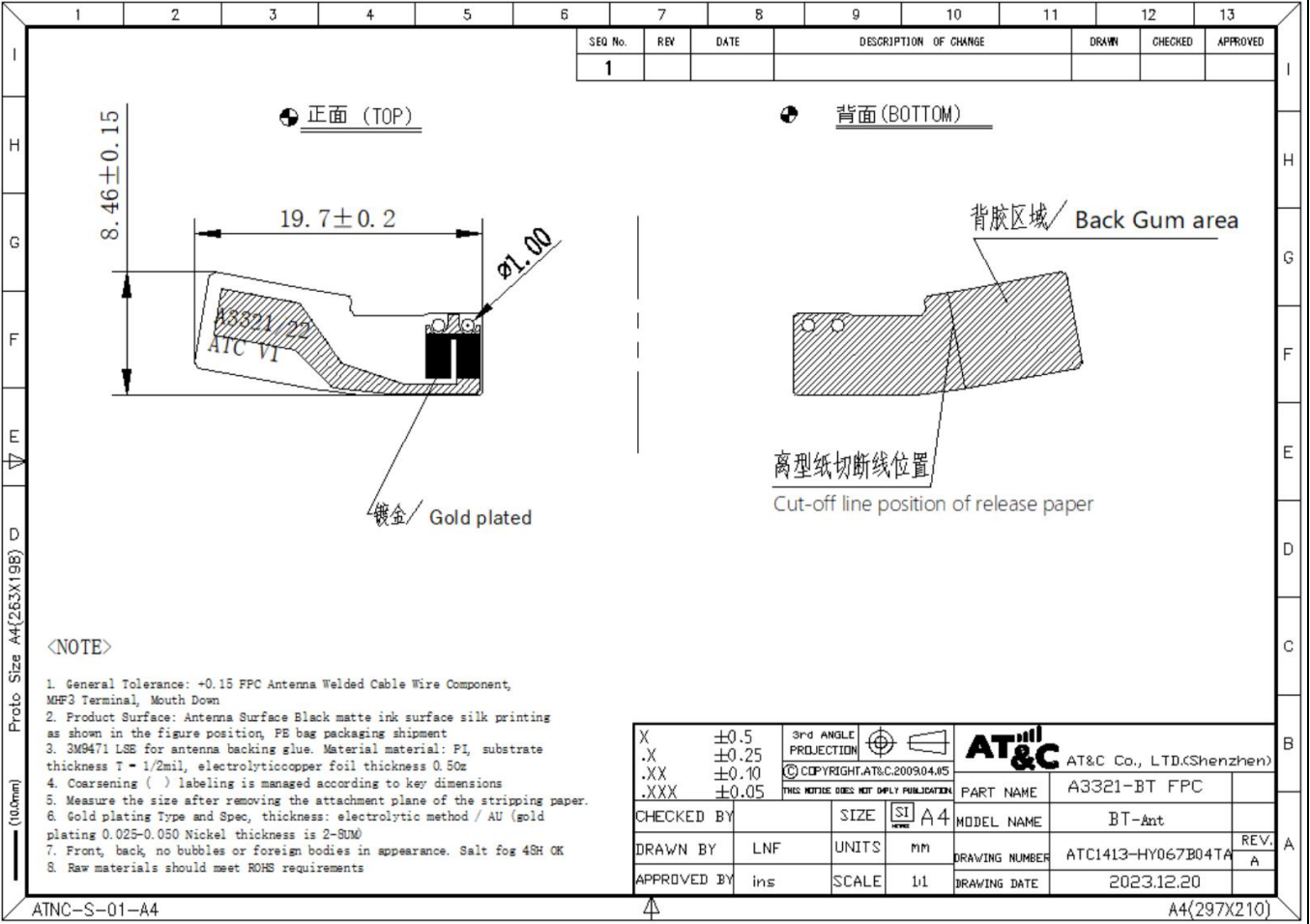
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- 1. Azimuth Pattern H-Plane (水平方向图为H平面) : “H”, X-Y plane**
- 2. Elevation Pattern E1, E2-Plane (垂直方向图为E1, E2-平面) : “E1”, “E2”, X-Z plane(E1), Y-Z plane(E2)**
- 3. It is a structure that supplements the distortion of the horizontal plane in the vertical plane and has a gentle sphere shape in three dimensions. (它是三维球面方向图，在二维水平和垂直的剖面)**

天线图/Antenna Draw

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Description 零件名称	BT-ANT	Approved By 确认	HJ	Approved Date 确认日期	2024.01.24



盐雾测试报告


Salt spray test report

产品名称 Product name	Anker (A3321)	规格型号Models:	ATC1413-HY067B04TA
试样情况 Sample condition	试样数量/Number of samples : 5PCS		
	基材/Substrate: 1/2mil PI 0.5 electrolytic copper	镀层 Plating: Gold plated≥ 0.5 U"	
试验日期 Date	2023年12月18日 10 时00分至 2023年12月 20日 10 时 00 分 共计 48 H		
试验类型: Type of experiment	<input checked="" type="checkbox"/> NSS	<input type="checkbox"/> ASS	<input type="checkbox"/> CASS
试验条件 Test conditions	盐溶液比例Salt solution ratio: 5%±1%	PH:6.5~7.2	
	箱内温度Temperature: 35° C	相对湿度: 85%±2%	
	喷雾方式Spray method: <input checked="" type="checkbox"/> 连续Continuous <input type="checkbox"/> 间歇Intermission	压缩空气压力: Air pressure 1kg/cm ²	
	喷雾量Amount of spray: 1.0~2.0ML/80CM ² /H	试验品放置角度Angle : 30度+/-10度	
	试验周期: __1__个循环 Test cycle: a cycle	喷雾时间Spray time: 48 h	
	放置时间Place time: 2 h		
判定标准: Criteria	外观: 完整无损, 无明显变化/Appearance: intact, no obvious changes 镀层: 无氧化、锈蚀、变色、腐蚀斑点/Coating: no oxidation, rust, discoloration, corrosion spots 丝印: 无脱落、无气泡/Screen Printing: no shedding, no bubbles		
试验结果 Test results	试验后的外观/The appearance after the test: 外观完整无损, 无明显变化/Appearance intact, no obvious changes		
	镀层.无剥落、无锈蚀/Coating: no oxidation, rust, discoloration, corrosion spots		
	表面丝印: 无脱落、无气泡/Screen Printing: No falling off, no air bubble.		
说明/Description: 1、盐雾试验作业标准依照中华人民共和国国家标准GB/T2423.17-2008执行 The operating standard of salt spray test shall be in accordance with the national standard of the People's Republic of China GB/T2423.17-2008 2、试件结果判定标准依照中华人民共和国国家标准GB/T6461-02执行 The standard for judging the results of test pieces shall be in accordance with the national standard of the People's Republic of China GB/T6461 -02			
试验员Tester: 张罗		审核 Examine: 梁后波	

高低温试验测试报告

Low temperature test report

表格编号: ATC-QR05-035/A0

产品名称 Product name	Anker (A3321)		品质部 Quality	料号 Serial No	ATC1413-H Y067B04TA	试样数量Qty	5PCS
试验日期 Date	12月18日	试验时间 Test tim	48H	开始START	当日10: 00	客户Customer	Anker
				结束OVER	12月20日10:00	供应商Supplier	ATC
测试仪器 instrument	高低温控试验箱 High and low temperature control test box			仪器编号 Instrument			
试验条件 Condition	温度 Temperature - 40±2°C 24H / 温度80±2°C 24H						
试验时间 Test time	48H						
测试方法 Test method	<p>将测试样品置于测试箱中(温度-40±2°C试验24H / 80±2°C试验24H,), 共48H取出检查。测试后的产品镀层表面不可产生氧化, 产品不可有起泡、剥离、分层, 测试后线路电性正常</p> <p>The test samples were placed in the test chamber (temperature-40 ± 2 ° C test 24H/80 ± 2 ° C test 24H,) and taken out for examination for 48 h. After testing the product coating surface can not produce oxidation, the product can not have bubbling, peeling, layering, after testing the circuit electricity is normal</p>						
判定标准 Judging standard	<p>镀层表面不可产生氧化, 产品不可有起泡、剥离、分层, 测试后线路电性正常</p> <p>The coating surface can not produce oxidation, the product can not have blistering, peeling, layering, after the test circuit electricity is normal</p>						
试验结果 Experiment a result	<p>产品表面金面无氧化、FPC无起泡、剥离分层等问题</p> <p>There is no oxidation on the gold surface, no blistering on FPC, no delamination and so on</p>						
判定结果 judge	OK						

说明/Description:

1、盐雾试验作业标准依照中华人民共和国国家标准GB/T2423.17-2008执行

The operating standard of salt spray test shall be in accordance with the national standard of the People's Republic of China GB/T2423.17-2008

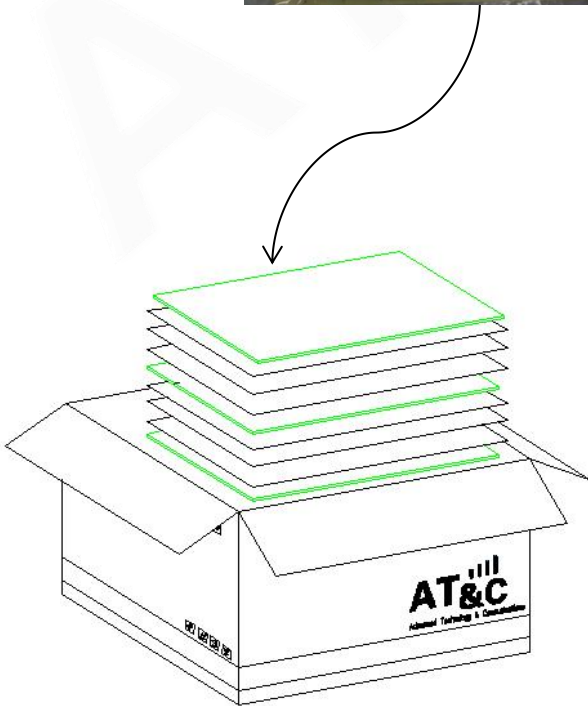
2、试件结果判定标准依照中华人民共和国国家标准GB/T6461-02执行

The standard for judging the results of test pieces shall be in accordance with the national standard of the People's Republic of China GB/T6461 -02

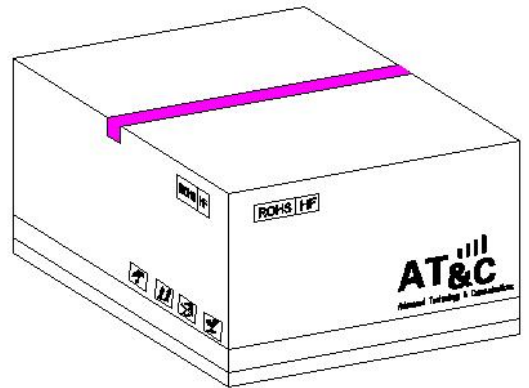
批准 Grant	审核 Examine	试验员 Tester
聂俊达	梁后波	张罗

Packaging method

PE bag packaging, product emission neat, uniform quantity



Picture: Outer box "I" seal, QC PASS seal on the left side of the outer box, sealed without exposure.



PART LIST

The packing drawing is schematic diagram, which does not mean that the picture is the actual product and the actual shipment is the standard.

NO	DESCRIPTION	Q'TY	MATERIAL	REMARKS	REV.
1	ANTENNA	1/1000		N/A	A
2	PAD OUT	1/4	SW A콜 5T	N/A	A
4	CARTOON BOX	-	SW A콜 5T	N/A	A
5	PACKING TAPE	-	PP	N/A	A