

A letter of recognition

DESCRIBE: Anker Innovations Co., LTD (T8023)

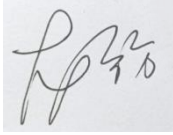
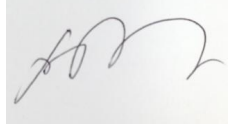
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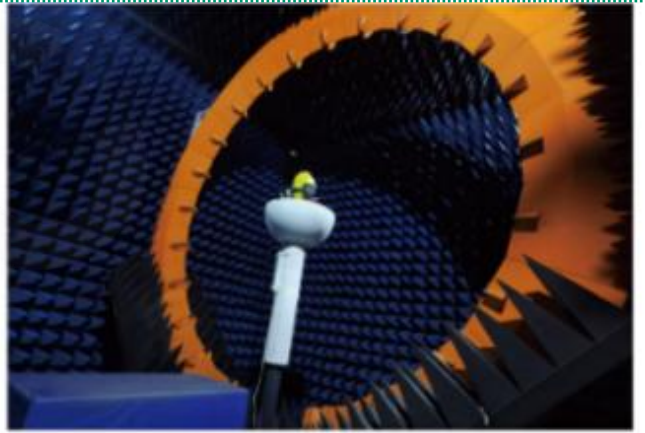
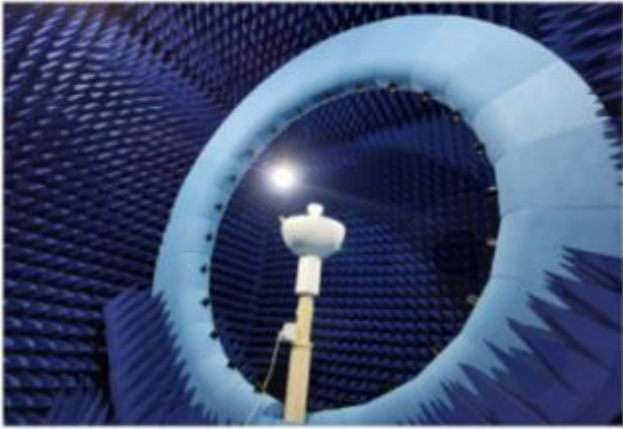
PART NO: ATC1371-HY053B12RA

Antenna type: 2.4 WIFI-R -Ant

DATE: 2023. 06. 26

PROVIDER: AT&C TECHNOLOGIES(SHENZHEN) CO. LTD

		ID Department	Test department	Structure section	Quality department
Customer Admit	confirm				
Supplier Admit	confirm	confirm	Proofreading	To examine	Approval
			zhang wanzhe	Xuliying	



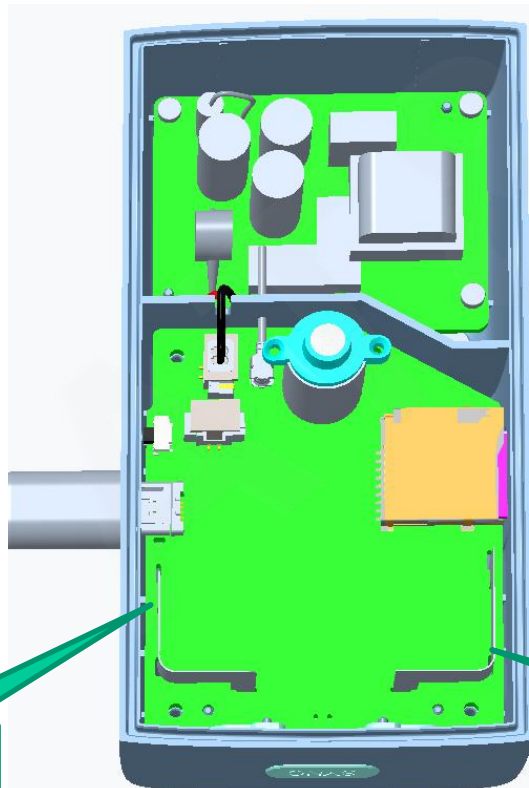
We have RF equipments as below

Anechoic Chambe

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

Measurement

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



WIFI-L

WIFI-R

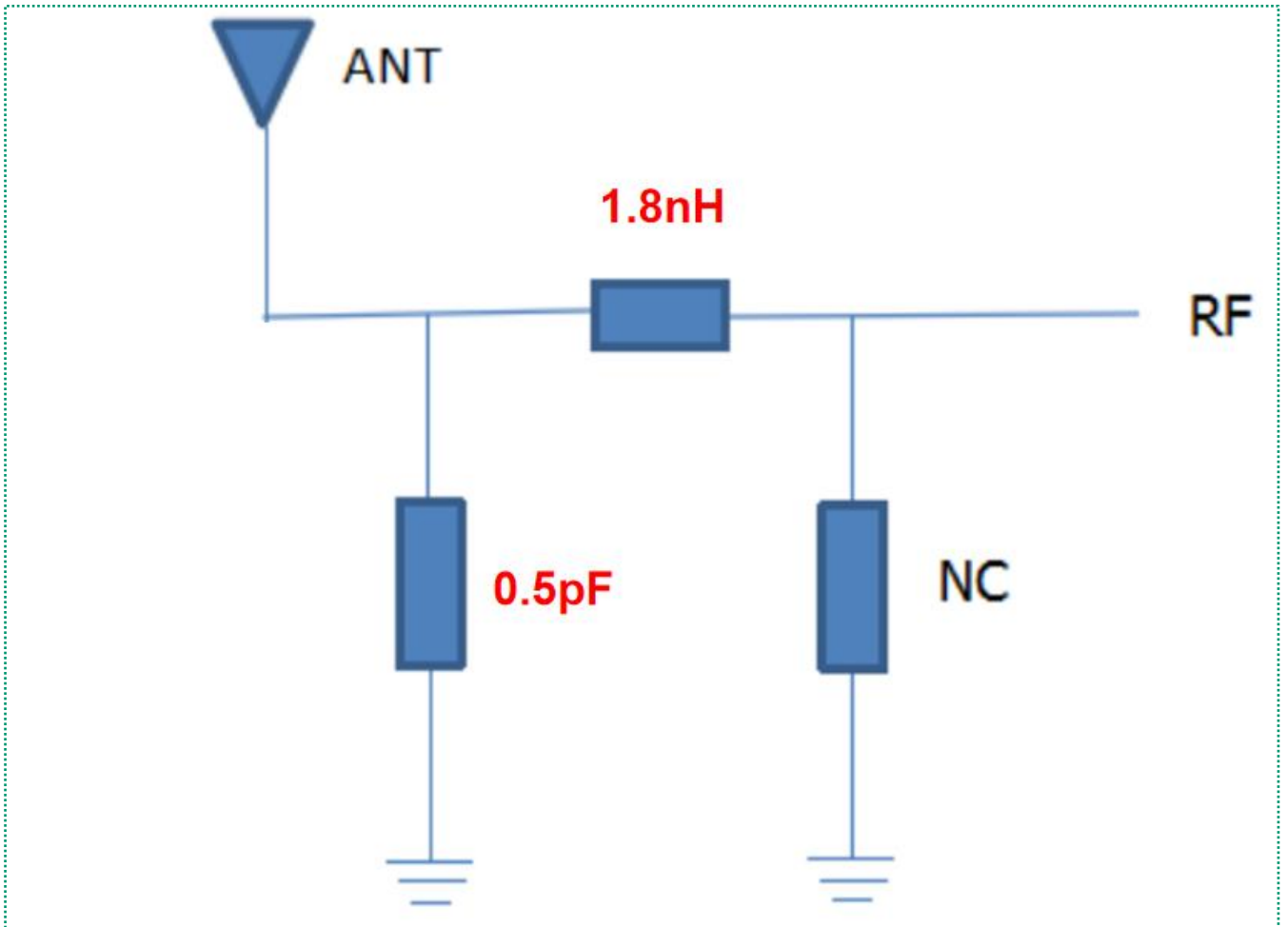
BOM

Customer	Anke	Written By	LNF	Orig. Date	2023.06.20
part Number	ATC1371-HY053B12RA	Revised By	SHIN	Revised Date	2023.06.20
Description	WIFI-R	Approved By	HJ	Approved Date	2023.06.20

Customer number	ATC number	Part name
070-300000-002R	ATC1371-HY053B11RA	WIFI-L Stamping Ant
070-300000-004R	ATC1371-HY053B12RA	WIFI-R Stamping Ant

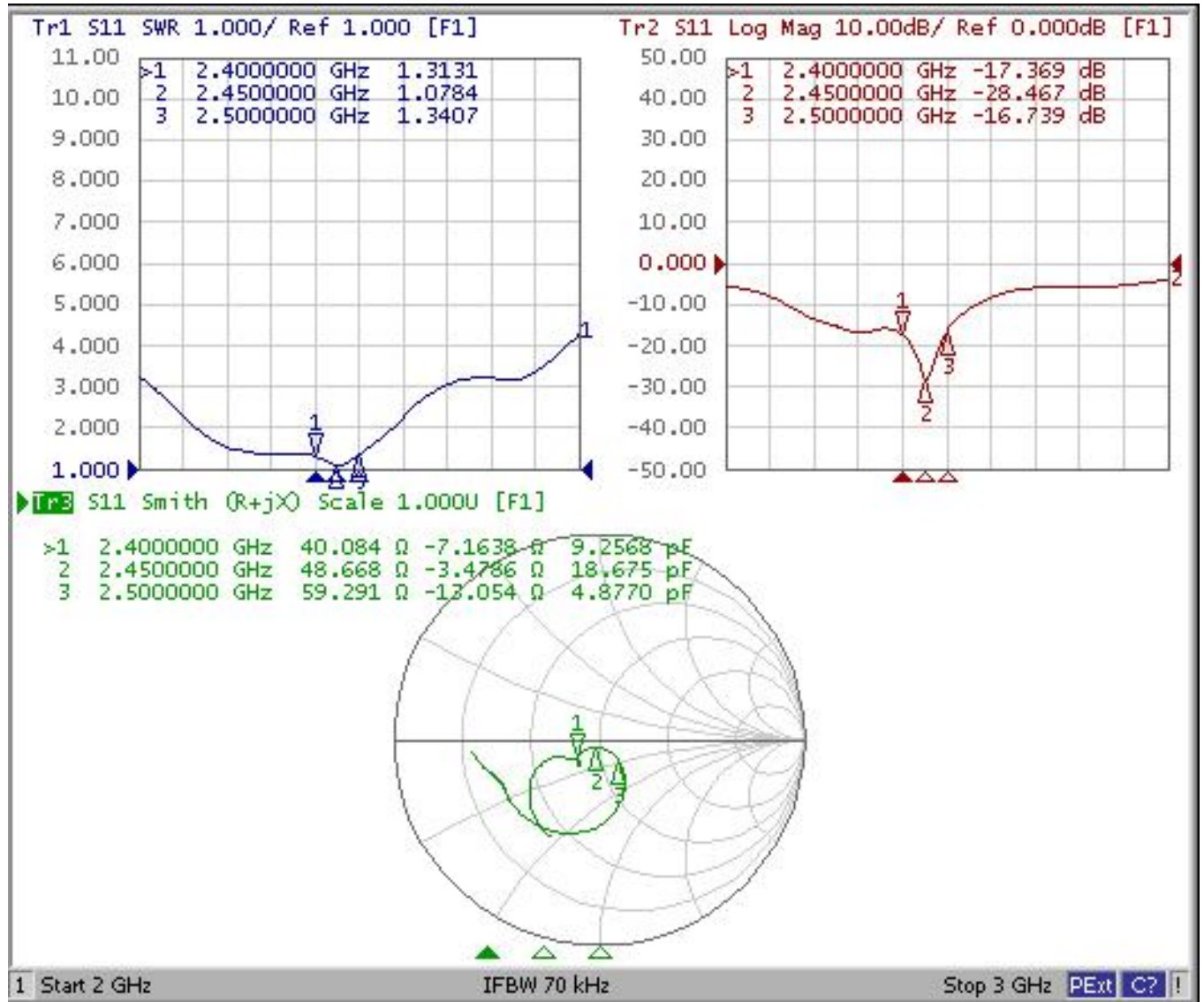
Antenna Matching network

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part Number	ATC1371-HY053B12RA	Revised By	SHIN	Revised Date	2023.06.20
Description	WIFI-R	Approved By	HJ	Approved Date	2023.06.20



2.4G WiFi-L S11

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Description	WIFI-R	Approved By	HJ	Approved Date	2023.06.20





2.4G WiFi-L Efficiency

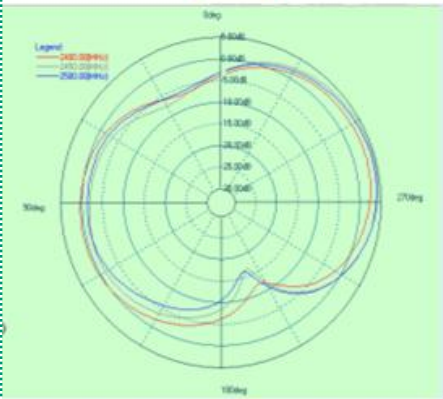
Customer	Anke	Written By	LNF	Orig. Date	2023.06.20
part Number	ATC1371-HY053B12RA	Revised By	SHIN	Revised Date	2023.06.20
Description	WIFI-R	Approved By	HJ	Approved Date	2023.06.20

Frequency (MHz)	Efficiency (%)	Max Gain (dBi)
2400	62%	3.05
2410	66%	3.50
2420	64%	3.83
2430	63%	3.24
2440	68%	3.67
2450	65%	3.71
2460	68%	3.41
2470	67%	3.32
2480	67%	3.56
2490	63%	3.60
2500	66%	3.34
AVG:	65%	3.47

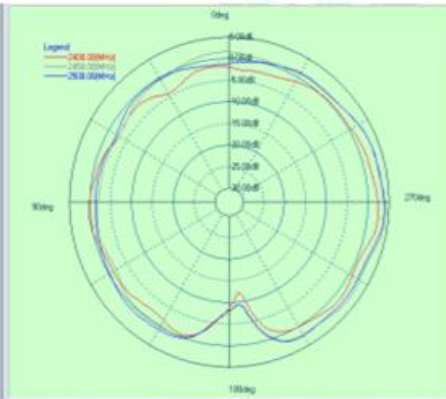
Directional pattern TEST

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Description	WIFI-R	Approved By	HJ	Approved Date	2023.06.20

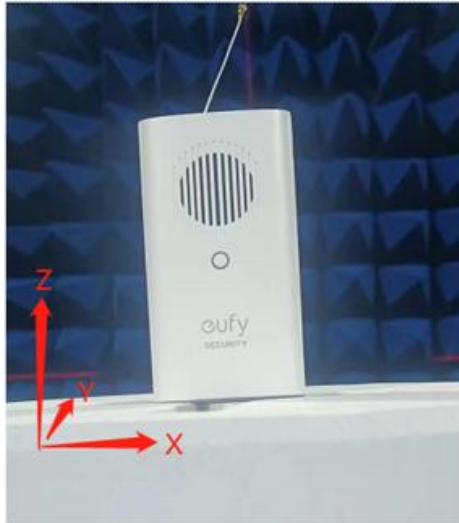
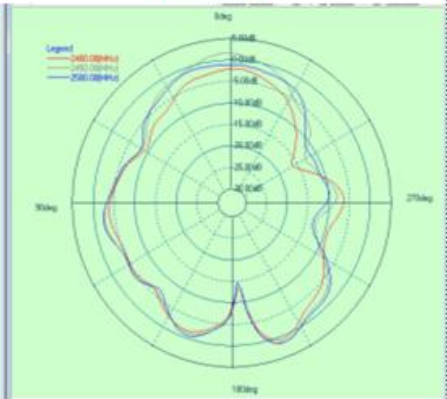
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E1

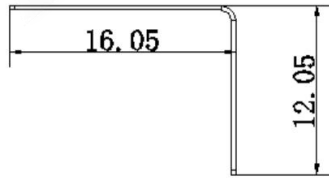
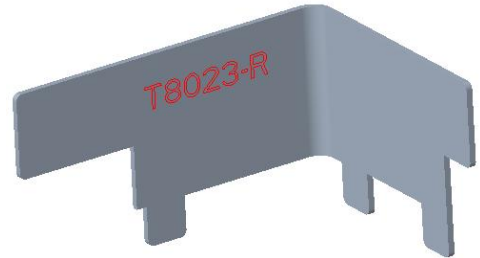
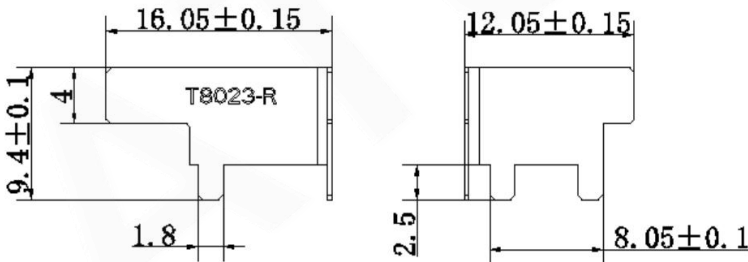


E2

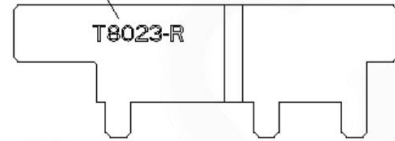


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Description	WIFI-R	Approved By	HJ	Approved Date	2023.06.20

SEQ No.	REV	DATE	DESCRIPTION OF CHANGE	DRAWN	CHECKED	APPROVED
1						



loge



Panorama

technical requirement

- 1, material: stainless steel (SUS304), T=0.30mm, gold plated as shown in the picture.
2. The appearance accords with the requirement of ATC for stamping inspection standard.
- 3, specific size 3D. * for key control dimensions; fitting size and matching; () reference size.
- 4, salt spray test 48H OK, the size of the unfilled is in accordance with (general tolerance) table;
5. The gross edge of the product should be shown in the direction indicated by the sketch. The material and surface treatment should not be replaced without permission. It must meet the requirements of RoHS.

X	±0.5	3rd ANGLE PROJECTION		AT&C Co., LTD. (Shenzhen)	PART NAME	T8203 stamping	REV.
.X	±0.25	COPYRIGHT. AT&C. 2009. 04. 05 THIS NOTICE DOES NOT IMPLY REGISTRATION.					
.XX	±0.10	CHECKED BY	SIZE	UNITS	DRAWING NUMBER	2023.05.12	
.XXX	±0.05	DRAWN BY	SI	mm	ATC1371-HY053B12RA		
		APPROVED BY	A4	SCALE			
				1:1			

Size Report

Customer	Anke	Written By	LNF	Orig. Date	2023.06.20
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Description	WIFI-R	Approved By	HJ	Approved Date	2023.06.20

Size information					Measuring sample			% Tolerance		Handling opinions			
number	Dimension property	Dimension	Lower tolerance	Upper tolerance	1	2	3	Upper	Lower	determine	Supplier review comments	Customer review comments	Measuring tool
1	key point	12.05	-0.15	0.15	12.03	12.05	11.98			PASS			PJ
2	key point	16.05	-0.15	0.15	16.06	160.4	16.07			PASS			PJ
3	key point	9.40	-0.10	0.10	9.43	9.45	9.43			PASS			PJ
4	key point	8.05	-0.10	0.10	8.08	8.05	8.07			PASS			PJ

Aitern technology (shenzhen) co. LTD

Material specification report (material proof)

Atcl068-hy002c11ra appearance and function test report

Appearance of the test

Project	Appearance test contents and standards	Result determination (OK/NG)
1	Product surface can not: oxidation, blade, imprint	OK
2	Product surface can not be: deformation, oil spot, improper trimming phenomenon	OK

Aitern technology (shenzhen) co. LTD




Address: room 201, chuangwei chuangu 5C, no.1 tangtou road, shiyan street, bao 'an district, shenzhenAT&C CO.,LTD

Salt spray test report

Item name	Antenna shrapnel	Item type	T8023	models	A1
The experimental class	Salt spray test	Number of items	4pcs	The researchers	Ren Kangyong
The experiment	Sample reliability verification				
Experimental conditions	<p>Brine concentration for 5 plus or minus 1%, salt water barrels and the temperature of the laboratory to 35 + 2 °C, saturated air barrel temperature to 47 + 2 °C, PH: 6.5-7.5 KGF/cm2, spray quantity: 1-2 ml / 1 hr / 80 cm2, test time 48 h.</p> <p>Specific reference GBT 10125-1997 standard</p>				

Note:

The experiment on	《Inspection standard for plated parts》
The equipment used.	Salt spray test chamber

The experiment	  
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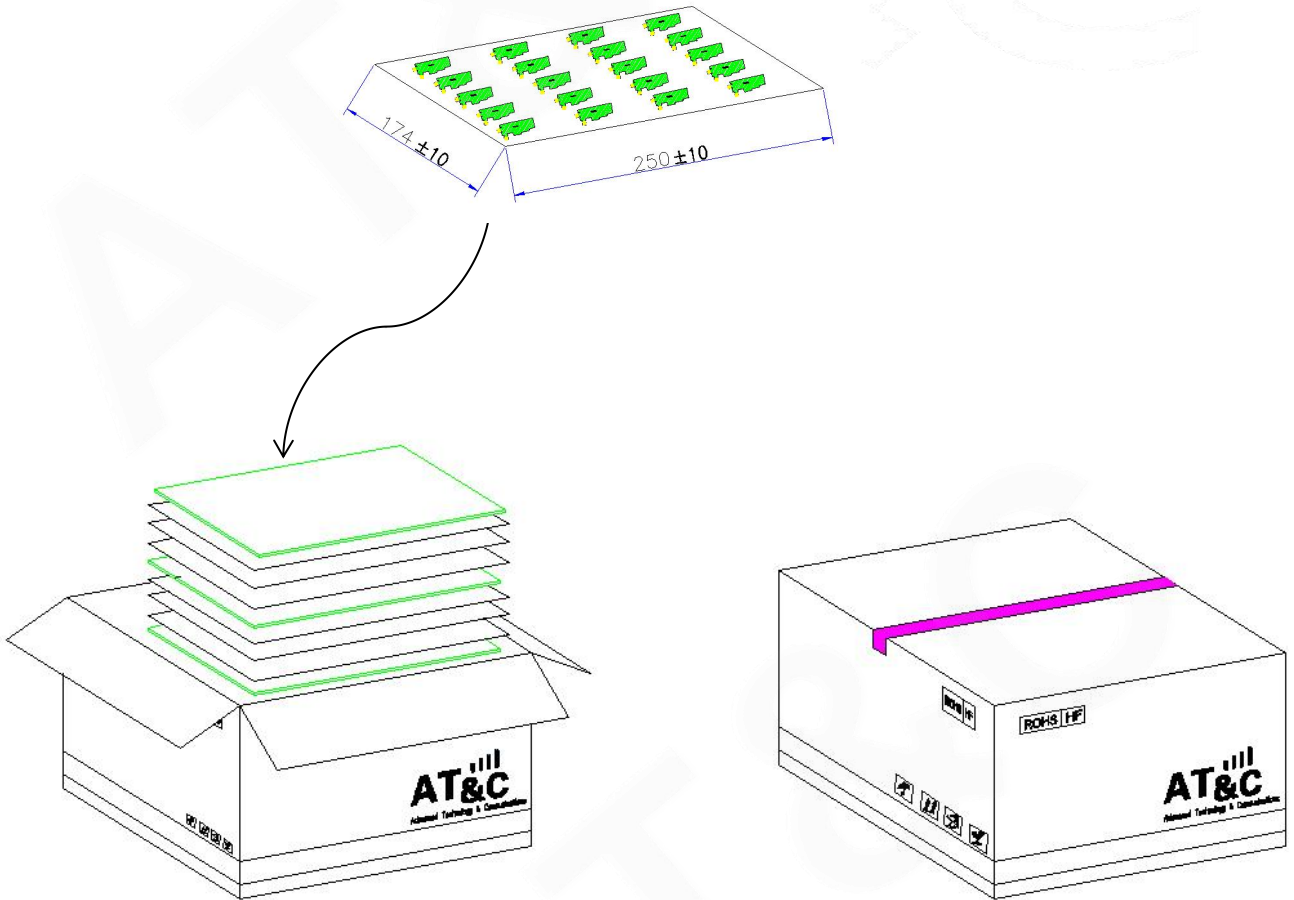
After the experiment	 
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The experimental conclusion:	After the test, clean water was rinsed and the surface of the shrapnel was not oxidized, discolored or blackened for 2H;
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Tester/date: ren kangyong 2023.06.06	Audit: lei yuanxiang
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Packaging method

Tray packaging, product emissions neat, uniform quantity



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	1/4000	PET	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