

# A letter of recognition

DESCRIBE: Anker Innovations Co., LTD (T8023)

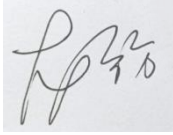
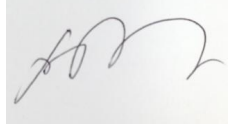
Customer NO: 070-300000-002R

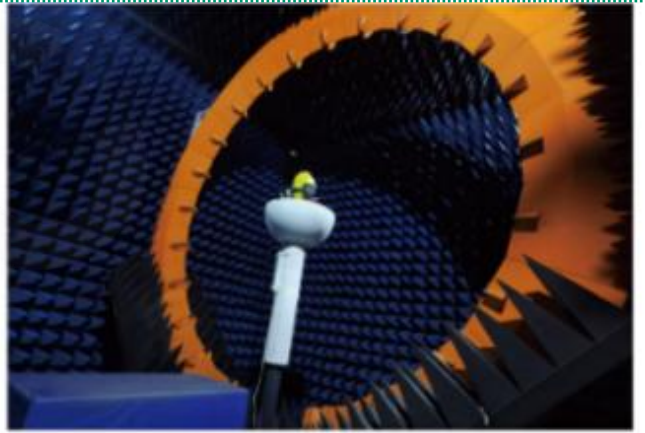
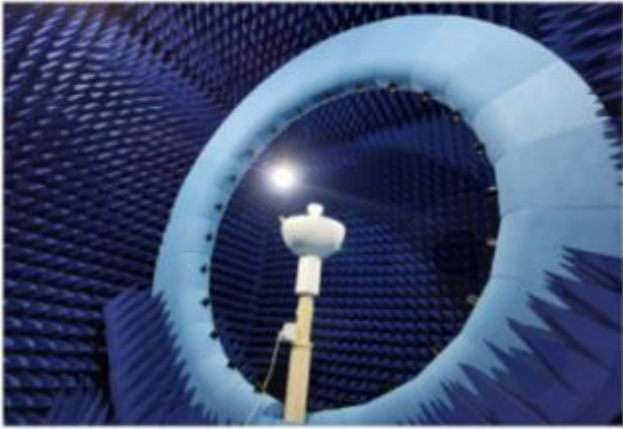
PART NO: ATC1371-HY053B11RA

Antenna type: 2.4 WIFI-L -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	



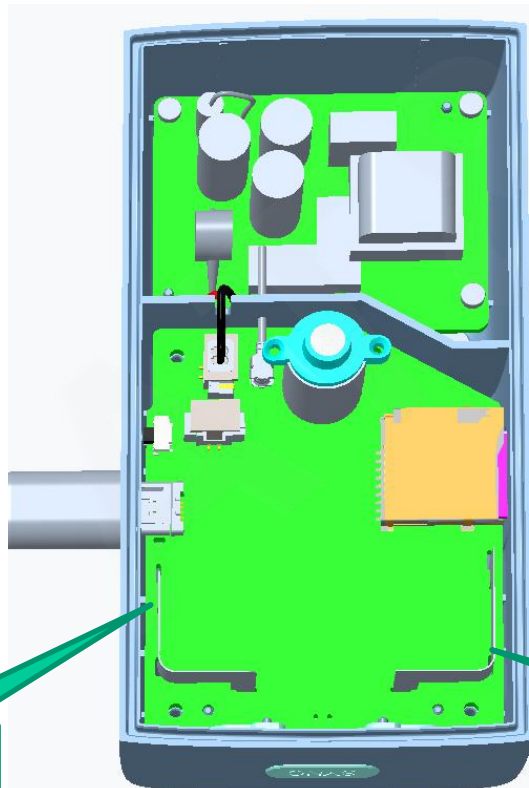
We have RF equipments as below

### 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

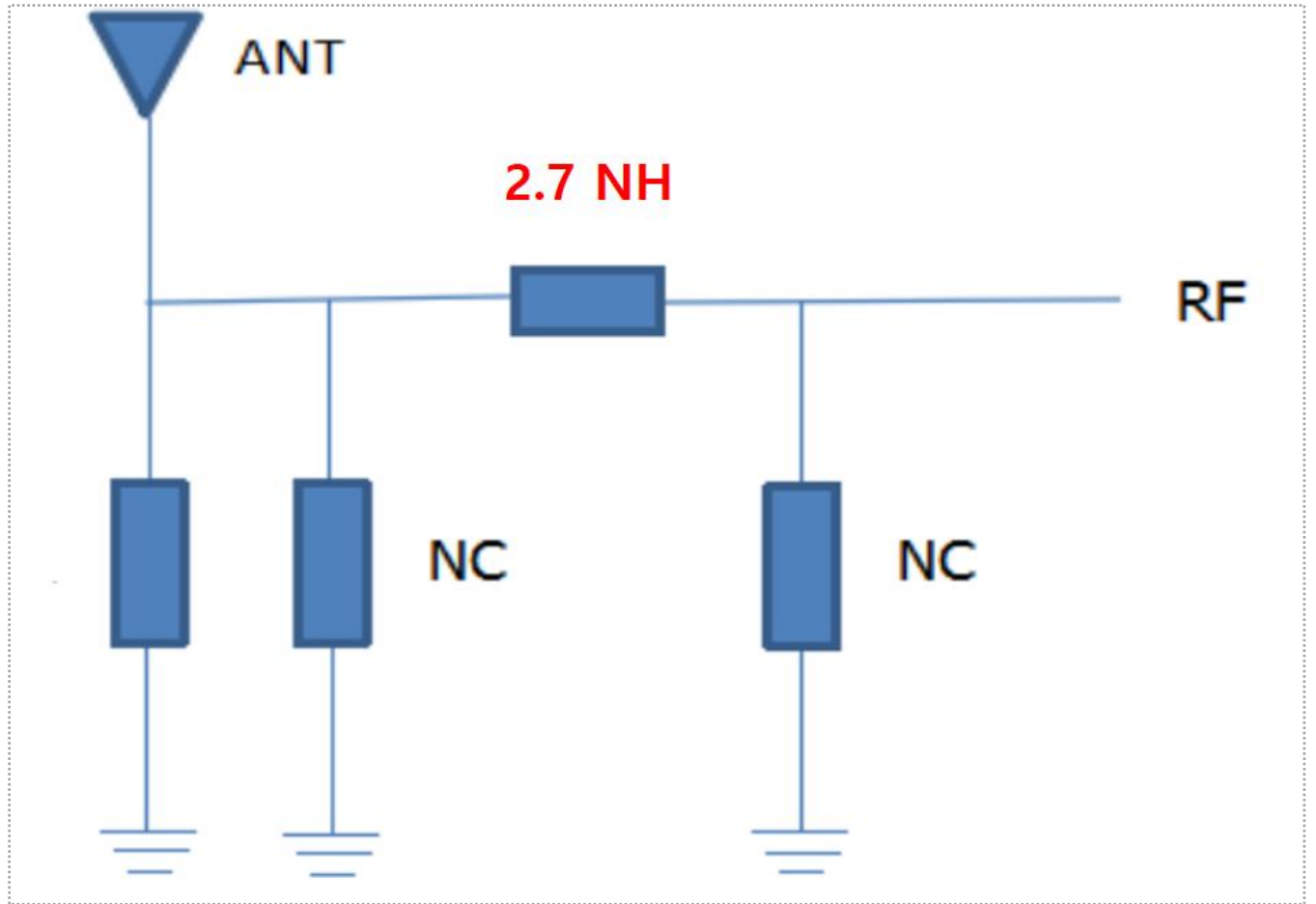
# BOM

Customer	Anke	Written By	LNF	Orig. Date	2023.06.20
part Number	ATC1371-HY053B11RA	Revised By	SHIN	Revised Date	2023.06.20
Description	WIFI-L	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

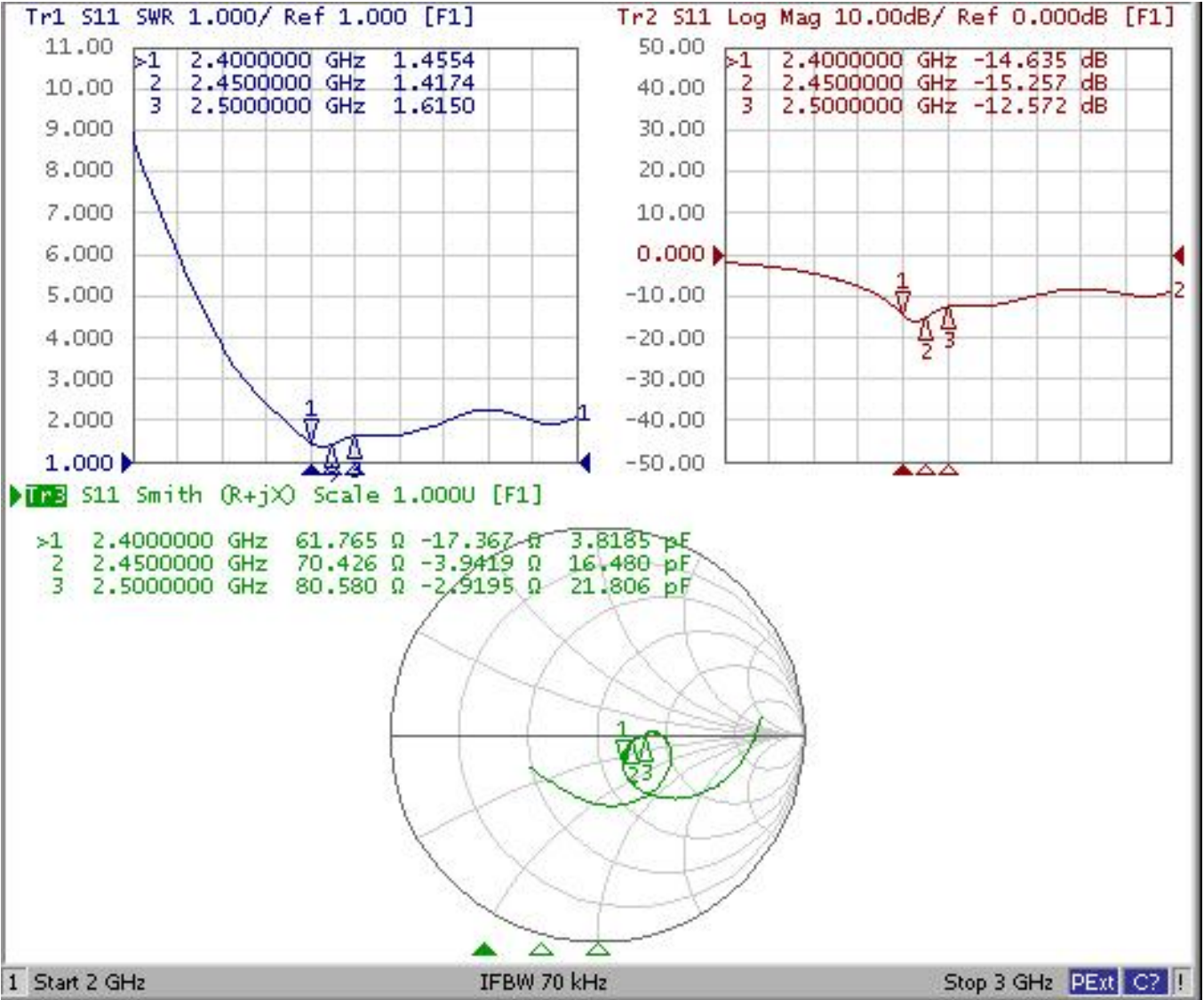
# Antenna Matching network

Customer	Anke	Written By	LNF	Orig. Date	2023.06.20
part Number	ATC1371-HY053B11RA	Revised By	SHIN	Revised Date	2023.06.20
Description	WIFI-L	Approved By	HJ	Approved Date	2023.06.20



# 2.4G WiFi-L S11

Customer	Anke	Written By	LNF	Orig. Date	2023.06.20
part Number	ATC1371-HY053B11RA	Revised By	SHIN	Revised Date	2023.06.20
Description	WiFi-L	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-HY053B11RA	Revised By	SHIN	Revised Date	2023.06.20
Description	WIFI-L	Approved By	HJ	Approved Date	2023.06.20

Frequency (MHz)	Efficiency (%)	Max Gain(dBi)
2400	54%	2.91
2410	54%	2.89
2420	54%	2.90
2430	51%	2.93
2440	52%	2.98
2450	53%	3.20
2460	51%	3.11
2470	50%	2.84
2480	52%	3.02
2490	54%	3.29
2500	53%	3.11
<b>AVG:</b>	<b>53%</b>	<b>3.02</b>

# Directional pattern TEST

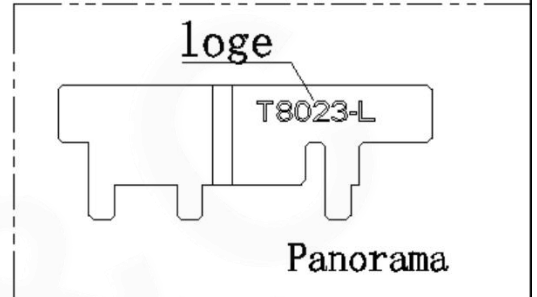
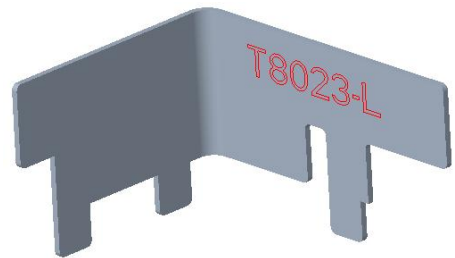
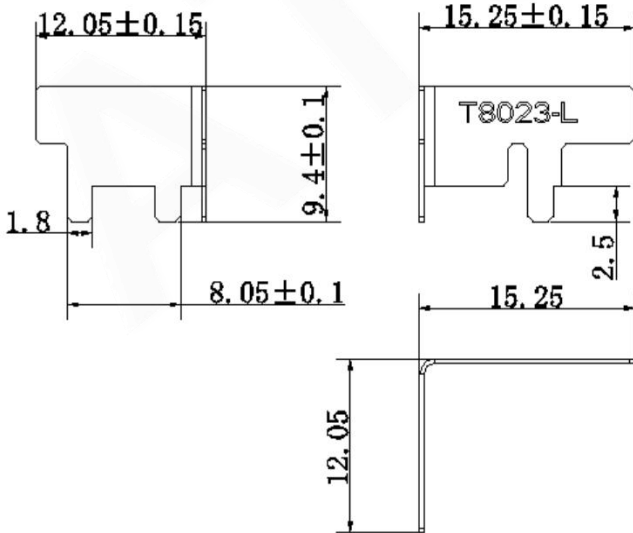
Customer	Anke	Written By	LNF	Orig. Date	2023.06.20
part Number	ATC1371-HY053B11RA	Revised By	SHIN	Revised Date	2023.06.20
Description	WIFI-L	Approved By	HJ	Approved Date	2023.06.20





Customer	Anke	Written By	LNF	Orig. Date	2023.06.20
part Number	ATC1371-HY053B11RA	Revised By	SHIN	Revised Date	2023.06.20
Description	WIFI-L	Approved By	HJ	Approved Date	2023.06.20

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



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  © COPYRIGHT, AT&C, 2009.04.05 WEB AND/OR BBS NOT EARLY PUBLICATION.	AT&C Co., LTD. (Shenzhen)		
.X	±0.25				
.XX	±0.10				
.XXX	±0.05				
CHECKED BY		SIZE	SI A4	PART NAME	T8203 stamping
DRAWN BY	LongJingfang	UNITS	MM	MODEL NAME	WIFI-L
APPROVED BY		SCALE	1:1	DRAWING NUMBER	ATC1371-HY053B11RA
				DRAWING DATE	2023.05.12



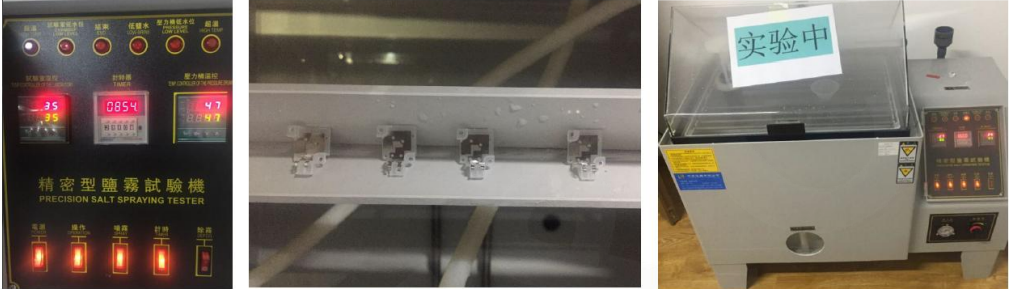

# Size Report

<b>Customer</b>	<b>Anke</b>	<b>Written By</b>	<b>LNF</b>	<b>Orig. Date</b>	<b>2023.06.20</b>
<b>part Number</b>	ATC1371-HY053B11RA	<b>Revised By</b>	<b>SHIN</b>	<b>Revised Date</b>	<b>2023.06.20</b>
<b>Description</b>	<b>WIFI-L</b>	<b>Approved By</b>	<b>HJ</b>	<b>Approved Date</b>	<b>2023.06.20</b>

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	<b>12.01</b>	<b>11.98</b>	<b>12.03</b>			<b>PASS</b>			PJ
2	key point	15.25	-0.15	0.15	<b>15.31</b>	<b>15.24</b>	<b>15.37</b>			<b>PASS</b>			PJ
3	key point	9.40	-0.10	0.10	<b>9.43</b>	<b>9.45</b>	<b>9.43</b>			<b>PASS</b>			PJ
4	key point	8.05	-0.10	0.10	<b>8.07</b>	<b>8.06</b>	<b>8.08</b>			<b>PASS</b>			PJ

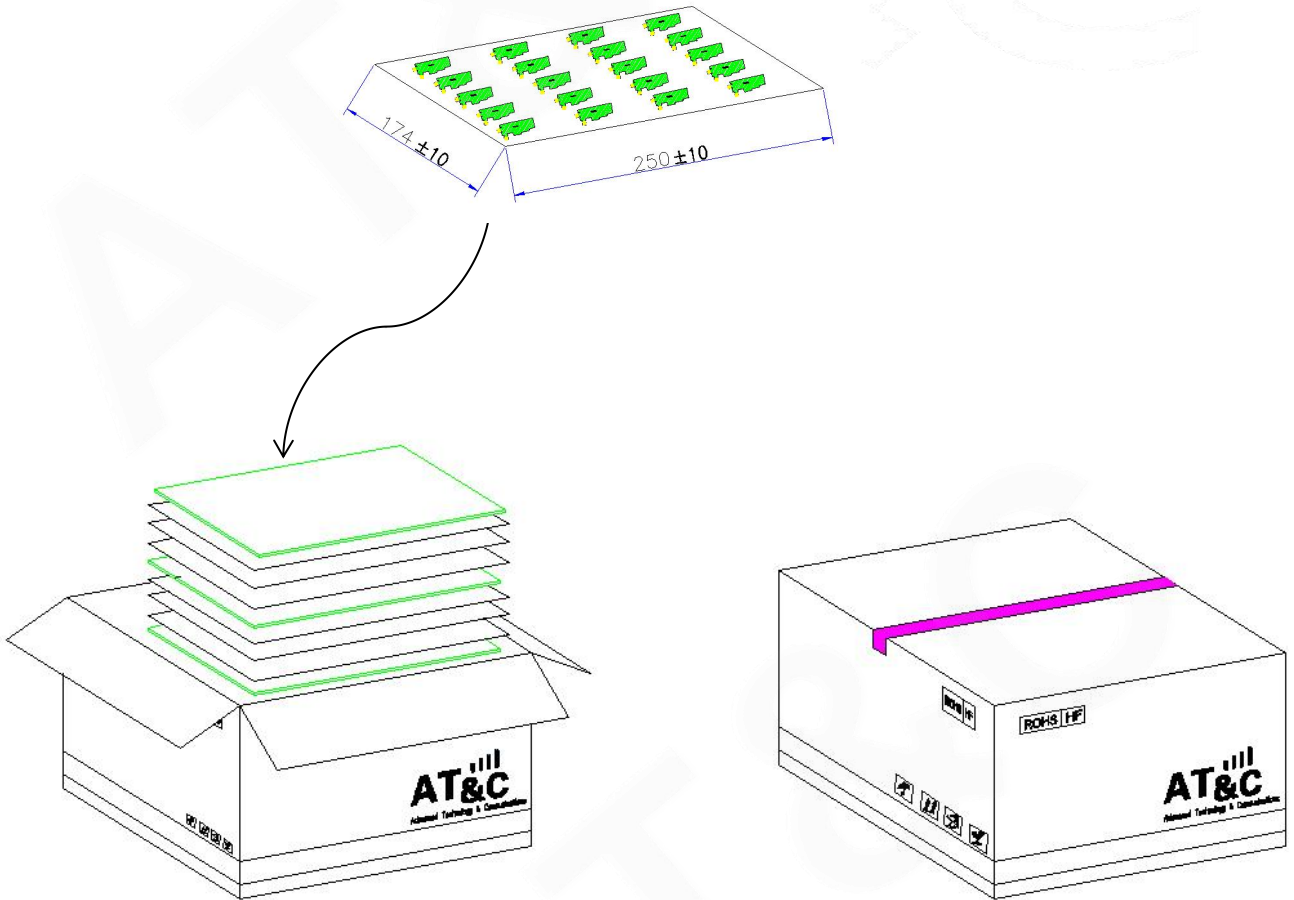


## Salt spray test report

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

# 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