

# A letter of recognition

DESCRIBE: Anker Innovations Co., LTD (T8531)

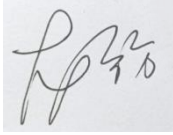
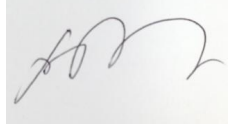
Customer NO: 5619990061621

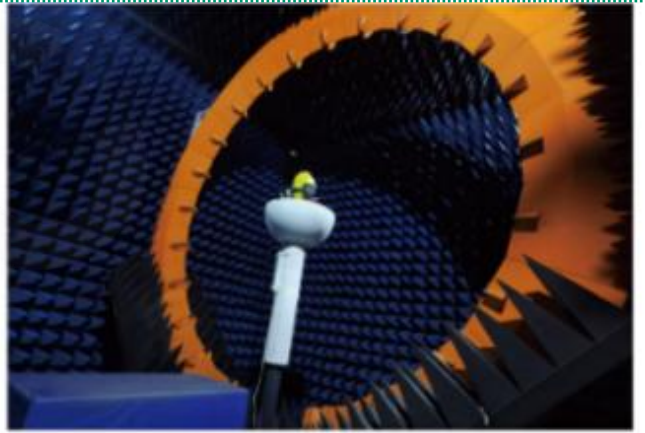
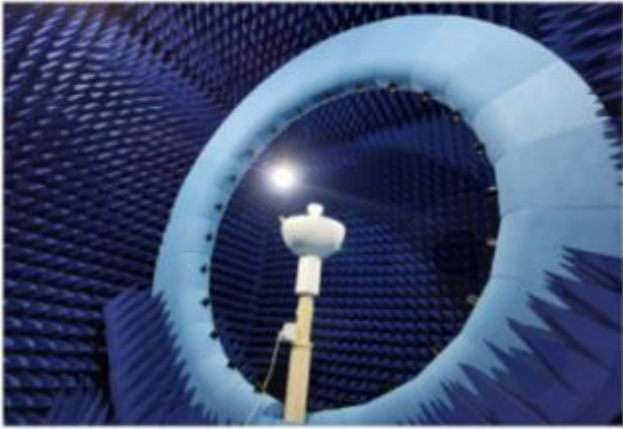
PART NO: ATC1384-HY058B11RB

Antenna type: 2.4G BT ANT STAMPING

DATE: 2023.08.28

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
			Zhangwanzhe	Xuliying	



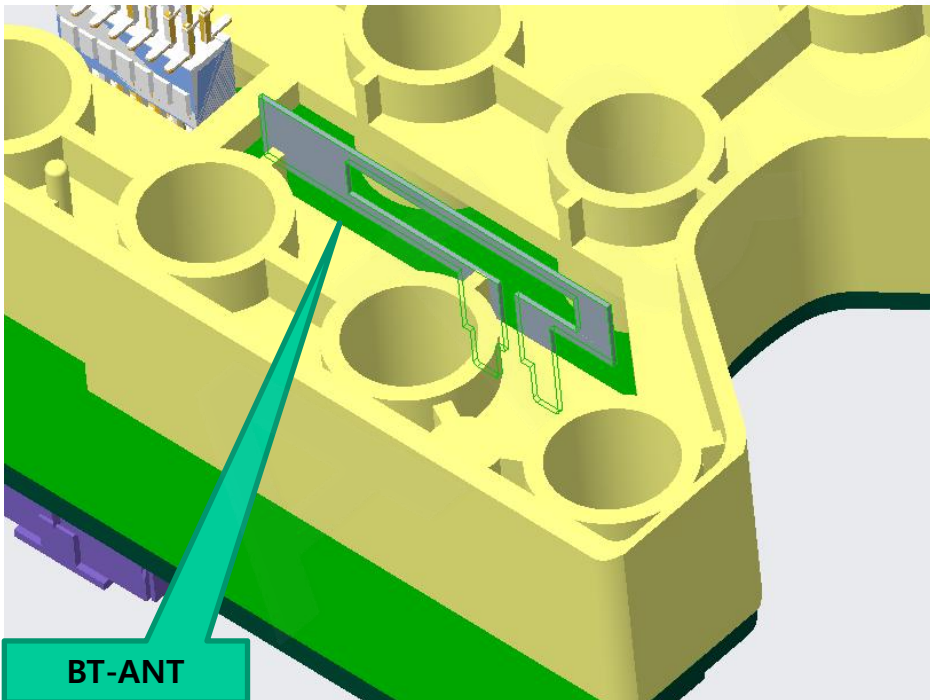
We have RF equipments as below

### Anechoic Chambe

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

### Measurement

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



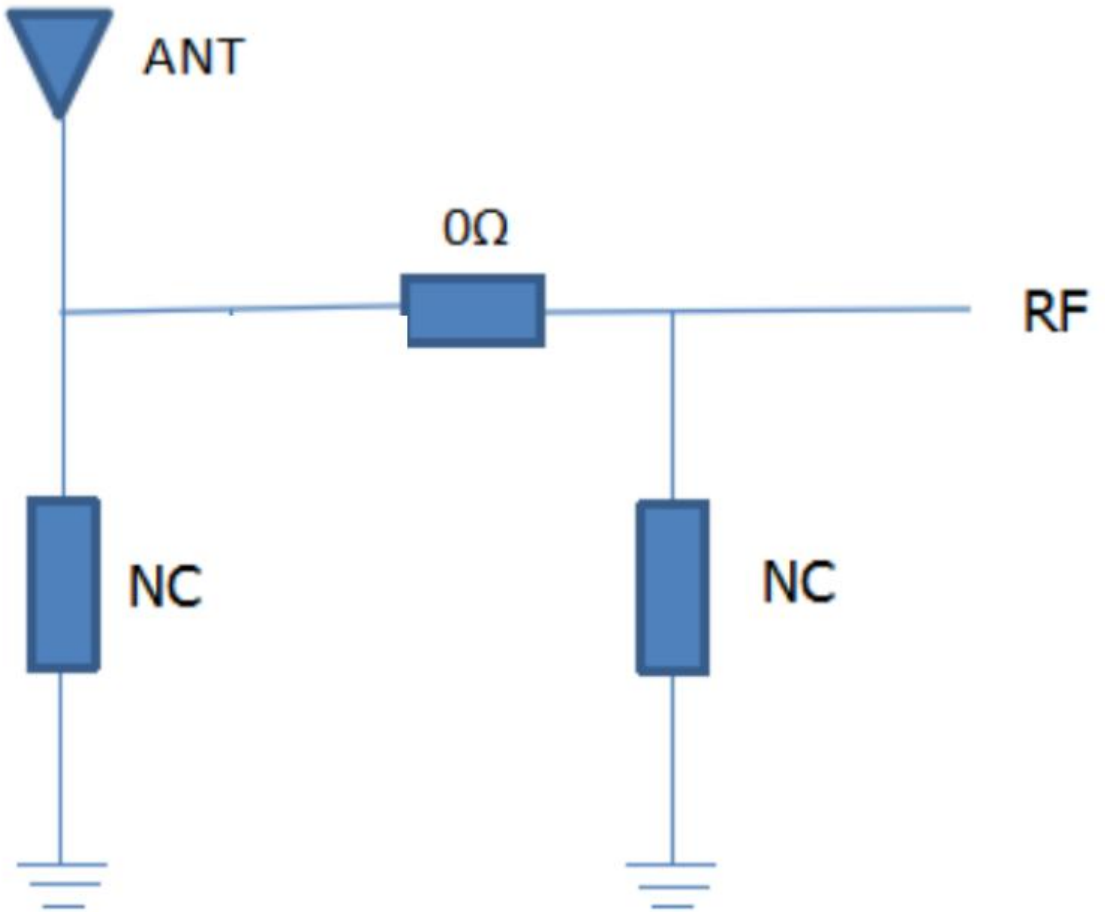


# BOM

<b>Customer</b>	<b>Anke</b>	<b>Written By</b>	<b>LNF</b>	<b>Orig. Date</b>	<b>2023.08.28</b>
<b>part Number</b>	ATC1384-HY058B11RA	<b>Revised By</b>	<b>SHIN</b>	<b>Revised Date</b>	<b>2023.08.28</b>
<b>Description</b>	<b>BT-ANT</b>	<b>Approved By</b>	<b>HJ</b>	<b>Approved Date</b>	<b>2023.08.28</b>

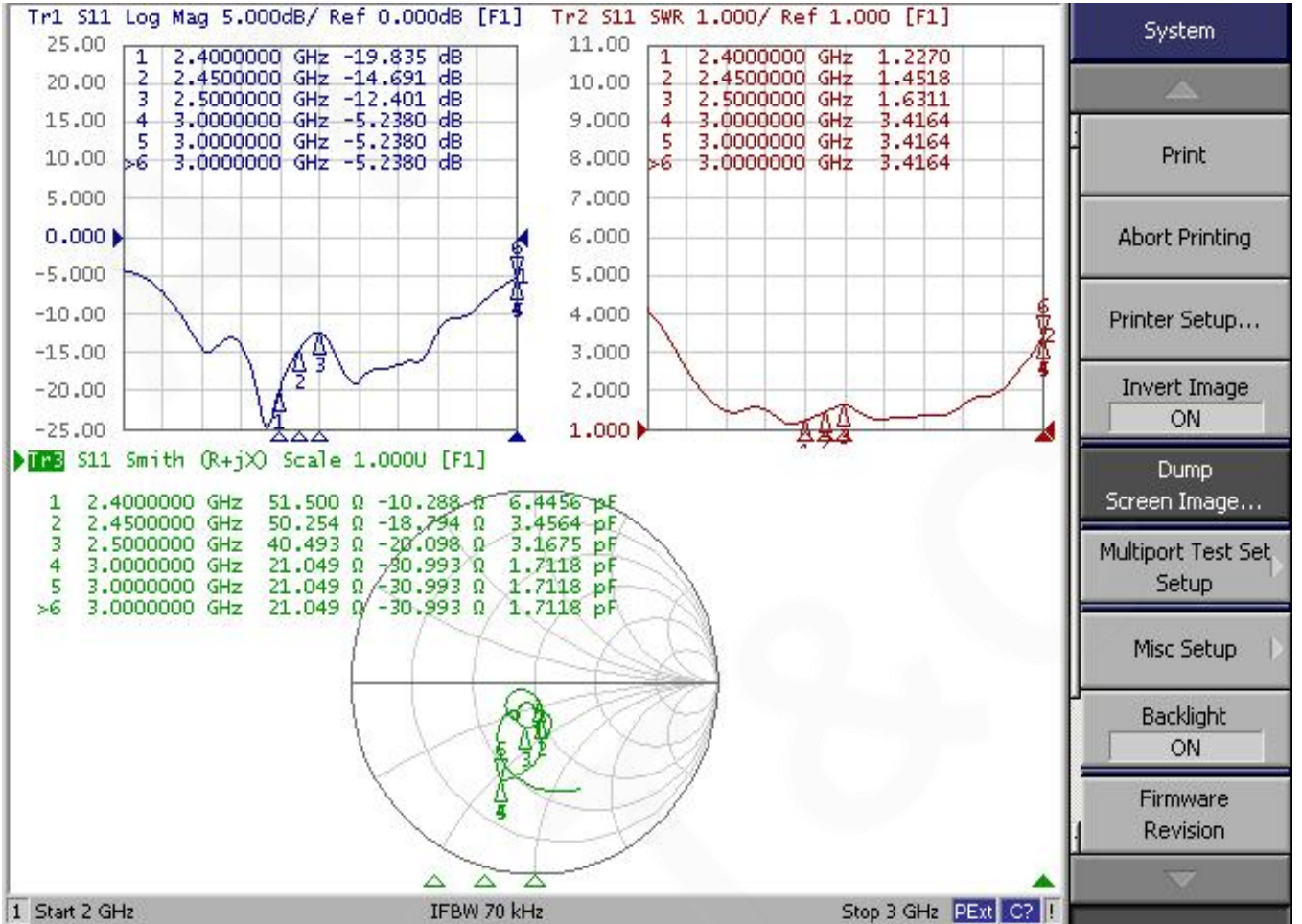
Customer number	ATC number	Part name
5619990061621	ATC1384-HY058B11RA	BT ANT SUS304/1/2H T=0.3Nickel plating

# Antenna impedance matching



No antenna matching modification

Customer	Anke	Written By	LNF	Orig. Date	2023.08.28
part Number	ATC1384-HY058B11RA	Revised By	SHIN	Revised Date	2023.08.28
Description	BT-ANT	Approved By	HJ	Approved Date	2023.08.28



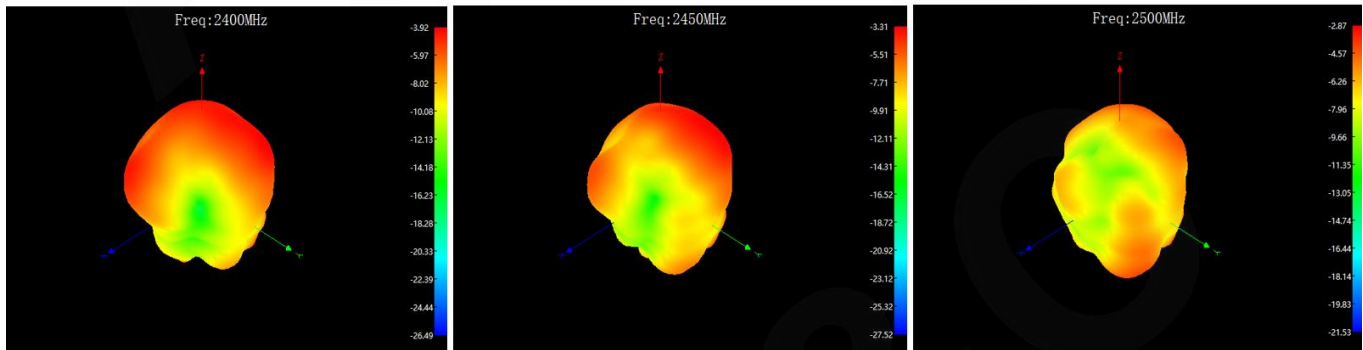
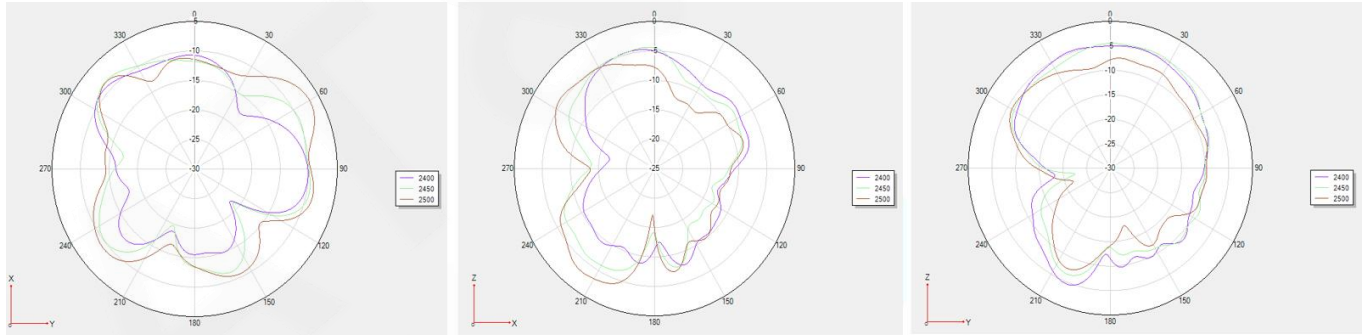
## BT Antenna \*Efficiency

### (2.4G) Passive Test Results

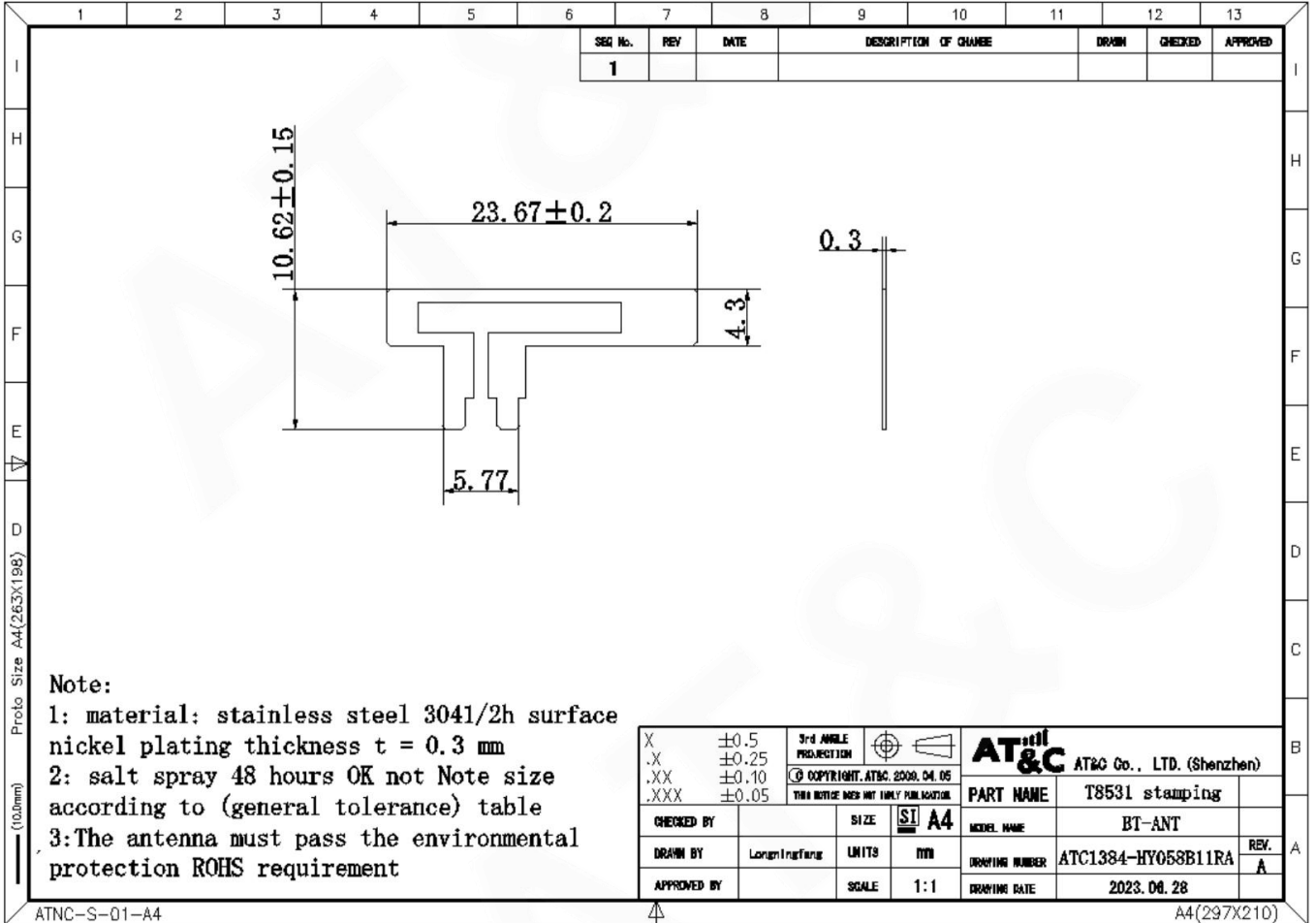
Frequency (MHz)	Efficiency (%)	Max Gain (dBi)
2400	23.00	-1.92
2410	22.33	-1.25
2420	21.89	-1.40
2430	22.22	-1.62
2440	22.65	-1.50
2450	23.90	-1.31
2460	24.96	-1.55
2470	25.21	-1.95
2480	25.45	-0.07
2490	25.35	-1.08
2500	24.49	-1.87
<b>AVERAGE</b>	<b>23.77</b>	<b>-1.41</b>

# Directional pattern TEST

Customer	Anke	Written By	LNF	Orig. Date	2023.08.28
part Number	ATC1384-HY058B11RA	Revised By	SHIN	Revised Date	2023.08.28
Description	BT-ANT	Approved By	HJ	Approved Date	2023.08.28



Customer	Anke	Written By	LNF	Orig. Date	2023.08.28
part Number	ATC1384-HY058B11RA	Revised By	SHIN	Revised Date	2023.08.28
Description	BT-ANT	Approved By	HJ	Approved Date	2023.08.28



X	±0.5	3rd ANGLE PROJECTION		<b>AT&amp;C</b> AT&C Co., LTD. (Shenzhen)					
.X	±0.25	© COPYRIGHT, AT&C, 2008. 04. 05							
.XX	±0.10	THIS NOTICE DOES NOT IMPLY PUBLICATION		PART NAME	T8531 stamping				
.XXX	±0.05	CHECKED BY	SIZE	SI	A4	MODEL NAME	BT-ANT		
		DRAWN BY	Longmingfang	UNITS	mm	DRAWING NUMBER	ATC1384-HY058B11RA	REV.	A
		APPROVED BY		SCALE	1:1	DRAWING DATE	2023.08.28		

ATNC-S-01-A4

A4(297X210)







# Size Report

Customer	Anke	Written By	LNF	Orig. Date	2023.08.28
part Number	ATC1384-HY058B11RA	Revised By	SHIN	Revised Date	2023.08.28
Description	BT-ANT	Approved By	HJ	Approved Date	2023.08.28

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	23.67	-0.20	0.20	23.65	23.67	23.69			PASS			PJ
2	key point	10.62	-0.15	0.15	10.65	10.61	10.63			PASS			PJ
3	key point	5.77	-0.10	0.10	5.79	5.80	5.76			PASS			PJ
4	key point	0.3	-0.05	.005	0.30	0.3	0.3			PASS			PJ

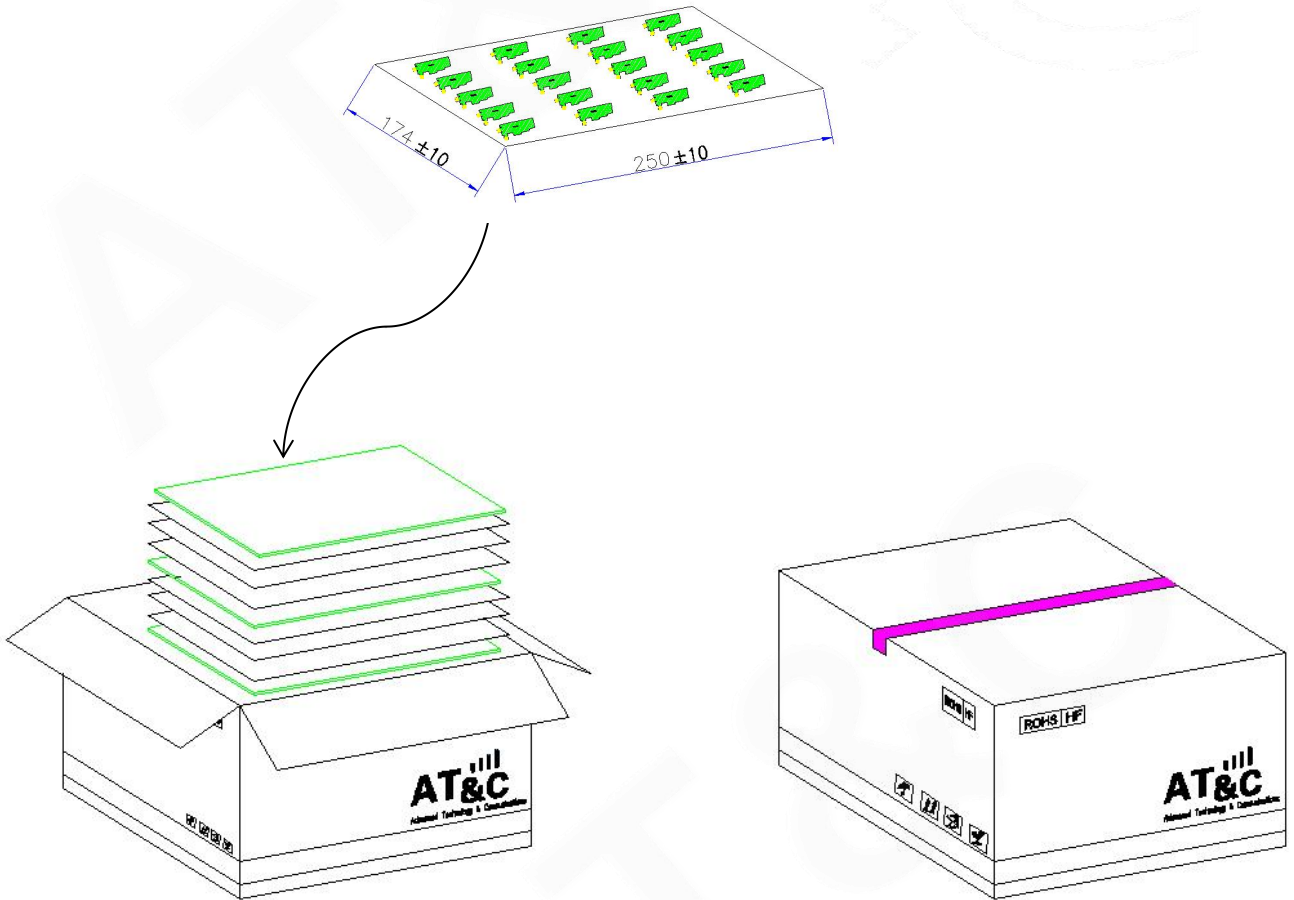


### Salt spray test report

Item name	T8531 ANT	Item type	ATC-1384	models	T8531
The experimental class	Salt spray test	Number of items	5 pcs	The researchers	Zhangxuemei
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 2023.08..23			Audit: Pengguangliang		

# 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