

A letter of recognition

DESCRIBE: Anker Innovations Co., LTD (T8531)

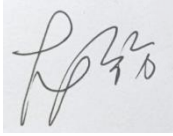
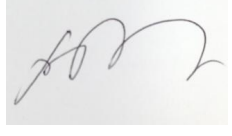
Customer NO: 5619110004161

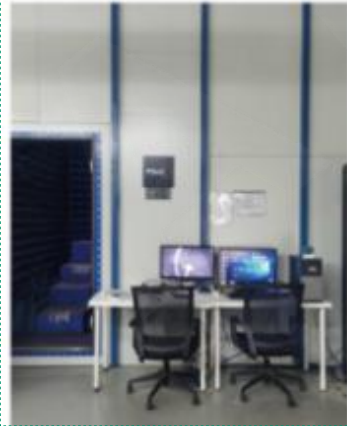
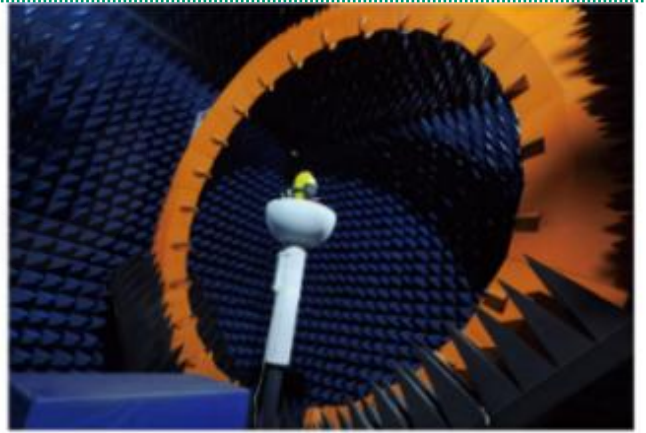
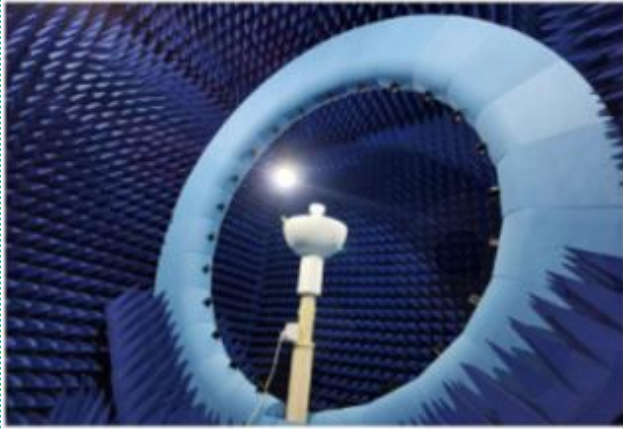
PART NO: ATC1384-HY058B70TC

Antenna type: 2.4G WIFI ANT ASM

DATE: 2023.08.28

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

Customer Admit	confirm	ID Department	Test department	Structure section	Quality department
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

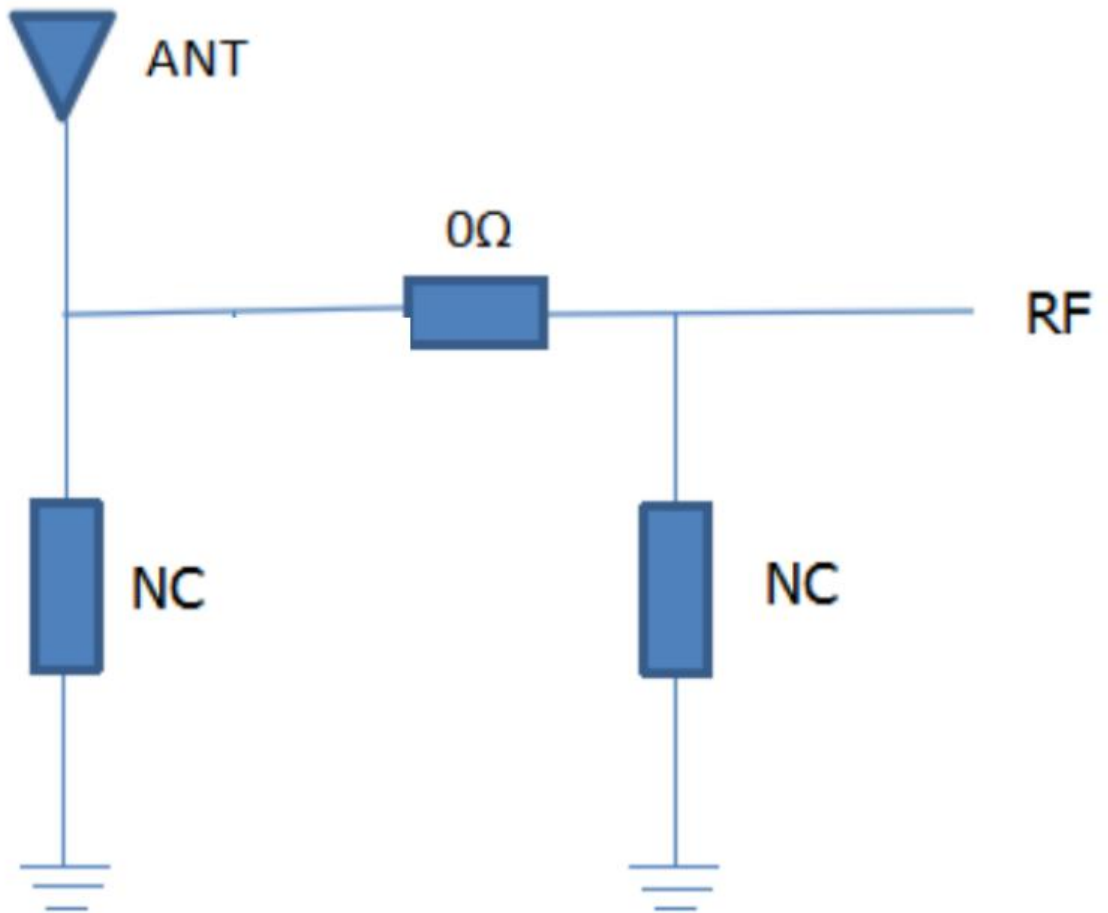


ANT

Customer	Anke	Written By	LNF	Orig. Date	2023.08.28
part Number	ATC1384-HY058B70TC	Revised By	SHIN	Revised Date	2023.08.28
Description	WIFI-ANT	Approved By	HJ	Approved Date	2023.08.28

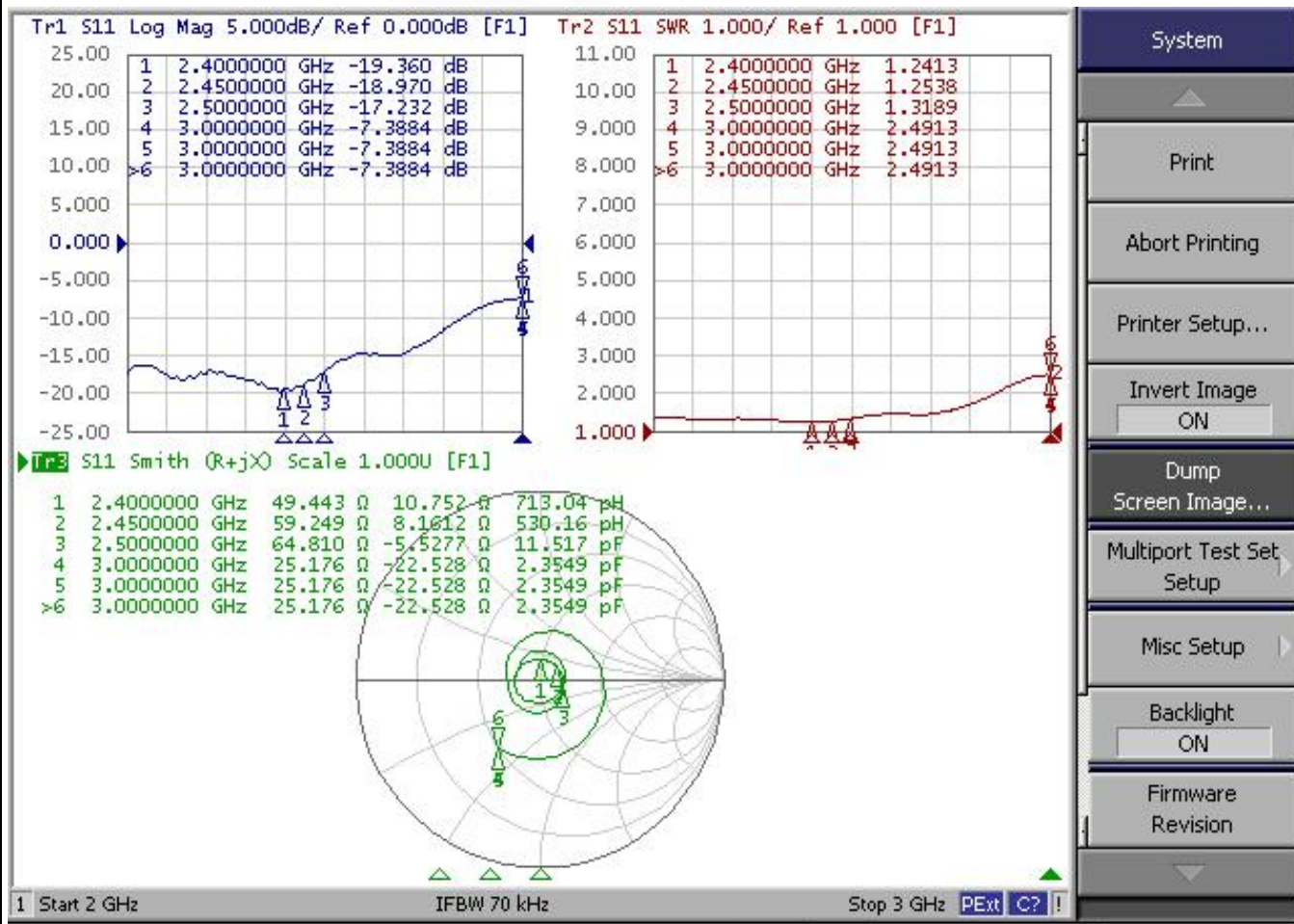
Customer number	ATC number	Part name
5619110004161	ATC1384-HY058B70TC	FPC WIFI ANT /MCX+cable1.13 BLK 54mm

Antenna impedance matching



No antenna matching modification

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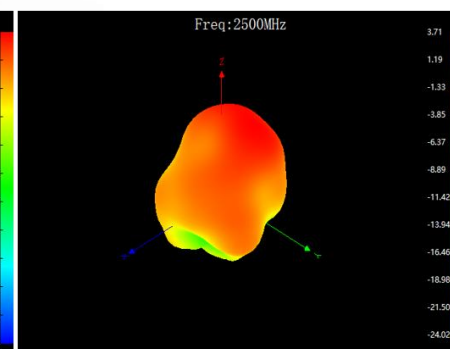
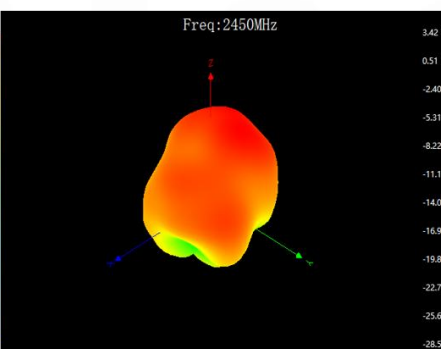
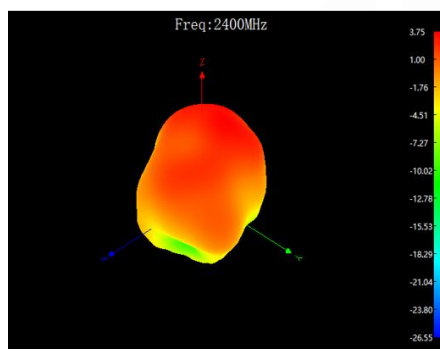
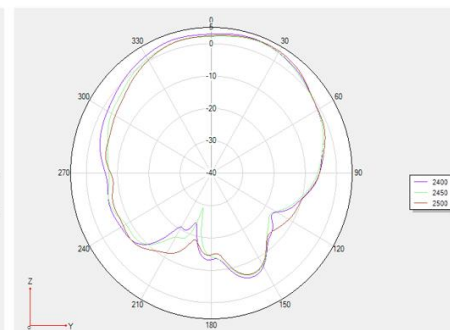
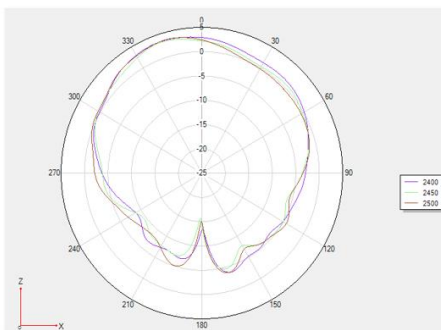
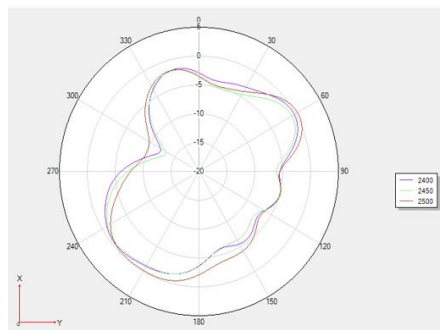


(2.4G) Passive Test Results

Frequency (MHz)	Efficiency (%)	Max Gain (dBi)
2400	68.55	3.75
2410	66.83	3.20
2420	62.37	2.72
2430	63.83	3.39
2440	59.70	3.06
2450	60.39	3.42
2460	59.84	3.55
2470	61.09	3.78
2480	63.53	3.71
2490	65.46	3.95
2500	63.24	3.71
AVERAGE	63.17	3.48

Directional pattern TEST

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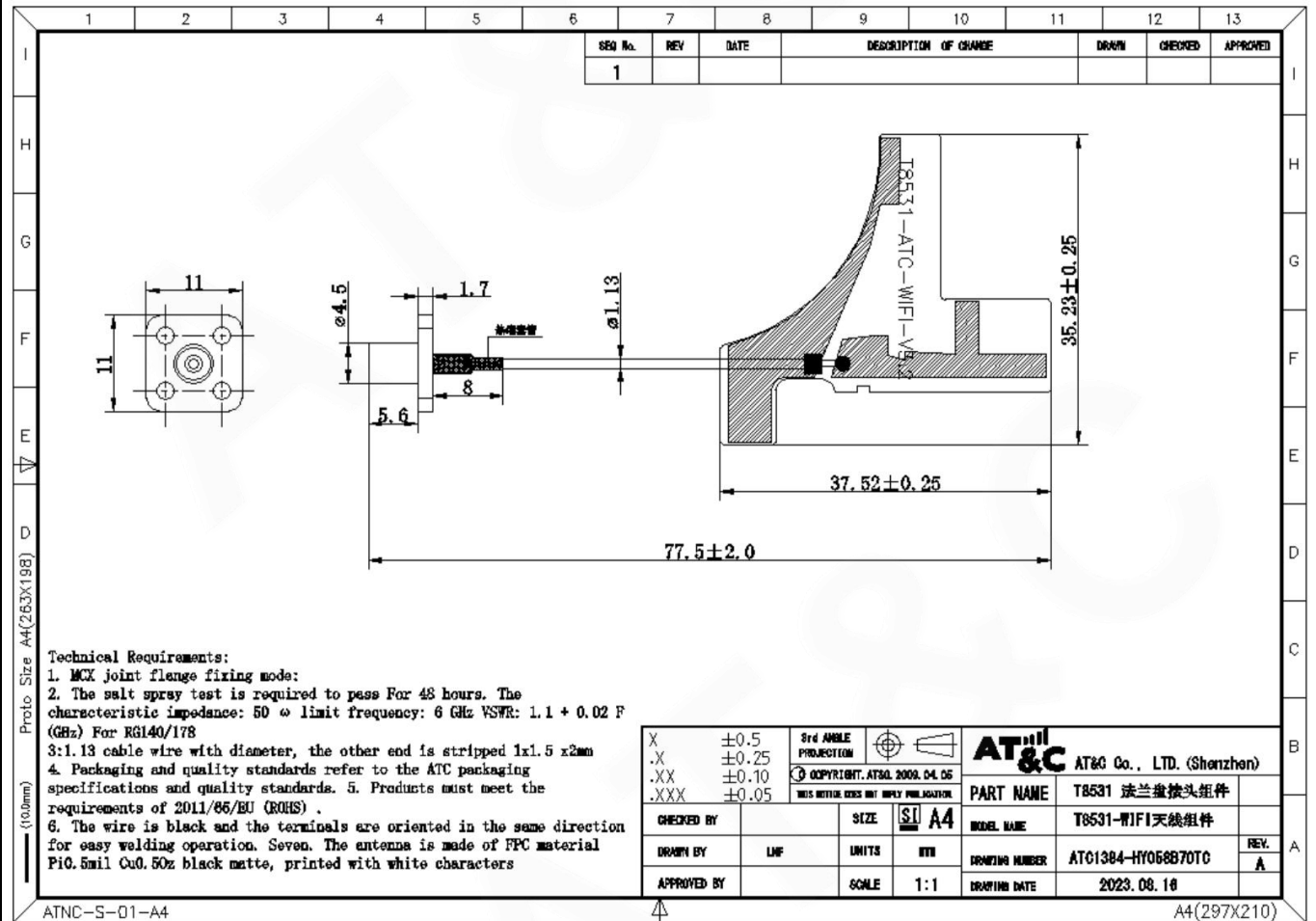


Antenna *OTA

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Channels	Band	TRP	TIS
2.412 GHz	WIFI_B (11M)	18.49	-83.63
2.437 GHz	WIFI_B (11M)	18.58	-84.54
2.462 GHz	WIFI_B (11M)	18.61	-83.47

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Size Report

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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	77.5	-2.0	2.0	77.62	77.67	77.60			PASS			PJ
2	key point	37.52	-0.25	0.25	37.55	37.66	10.61			PASS			PJ
3	key point	35.23	-0.25	0.25	35.22	35.20	35.26			PASS			PJ
4	key point	1.13	-0.05	.0.05	1.12	1.12	1.13			PASS			PJ

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Aitern technology (shenzhen) co. LTD

Material specification report (material proof)

Atc1068-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

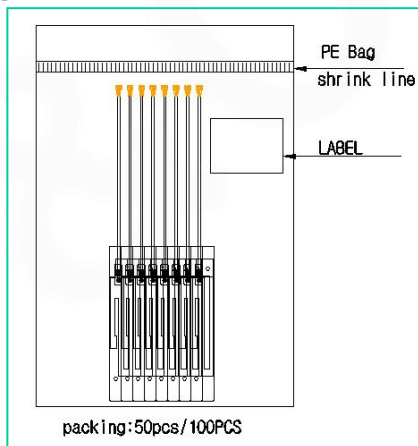
Address: room 201, chuangwei chuangu 5C, no.1 tangtou road, shiyan street, bao 'an district, shenzhenAT&C CO.,LTD

Salt spray test report

Item name	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	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.				
	Specific reference GBT 10125-1997 standard				
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

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 A골 5T	N/A	A
4	CARTOON BOX	-	SW A골 5T	N/A	A
5	PACKING TAPE	-	PP	N/A	A