

A letter of recognition

DESCRIBE: Anker Innovations Co., LTD (T8210C)

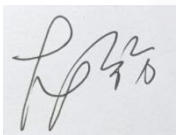
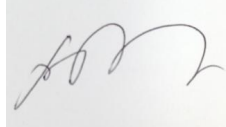
Customer NO:

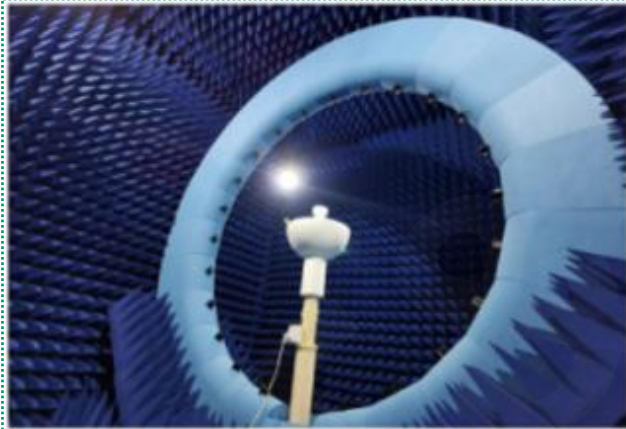
PART NO: ATC1349-HY046B04RA

Antenna type: 2.4G FPC ANT

DATE: 2023. 03. 23

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
			Yang guochang	Xuliying	



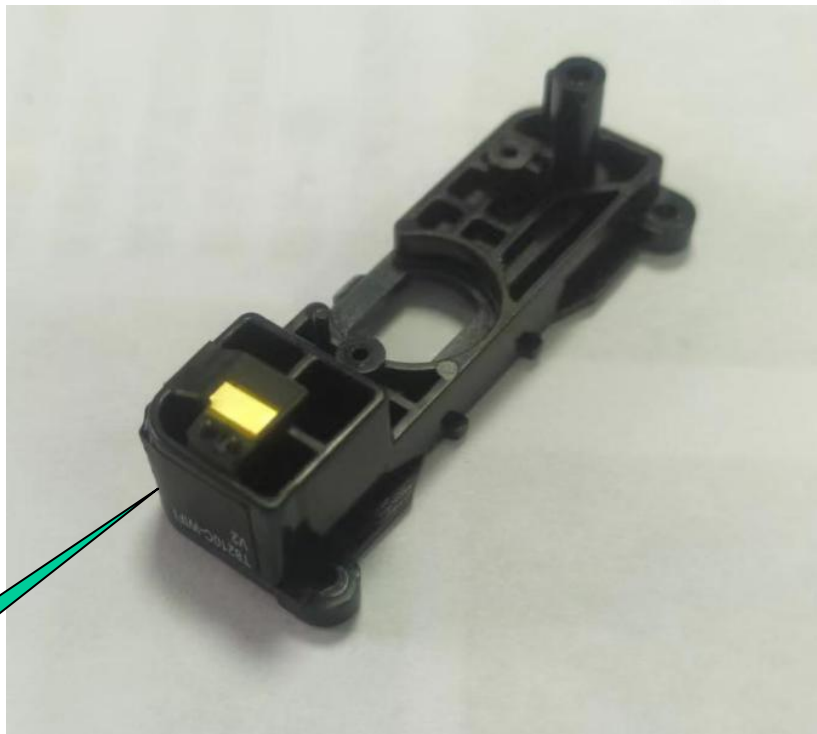
We have RF equipments as below

Anechoic Chamber

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

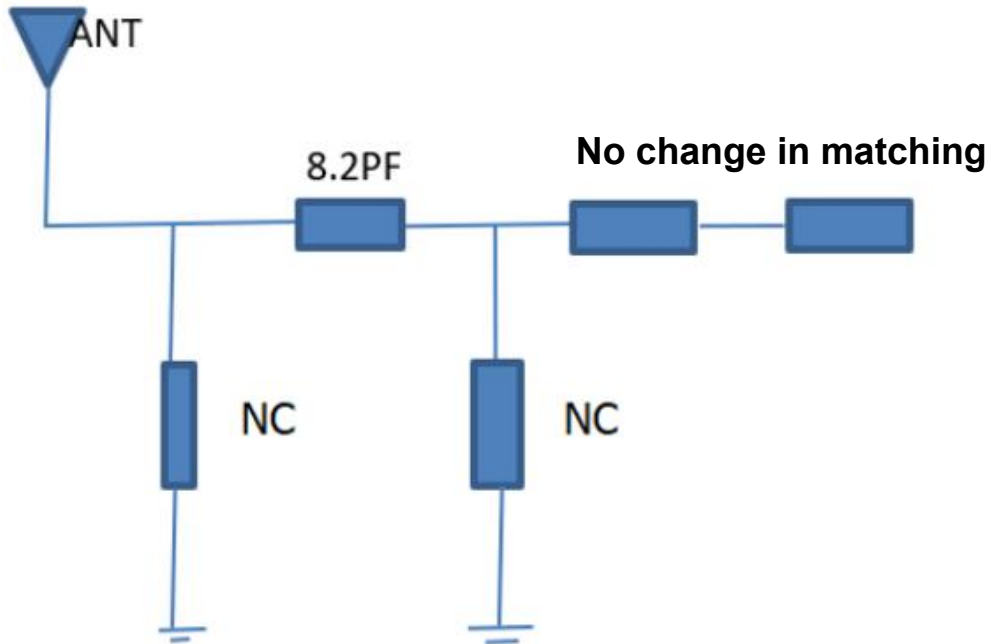
Measurement

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



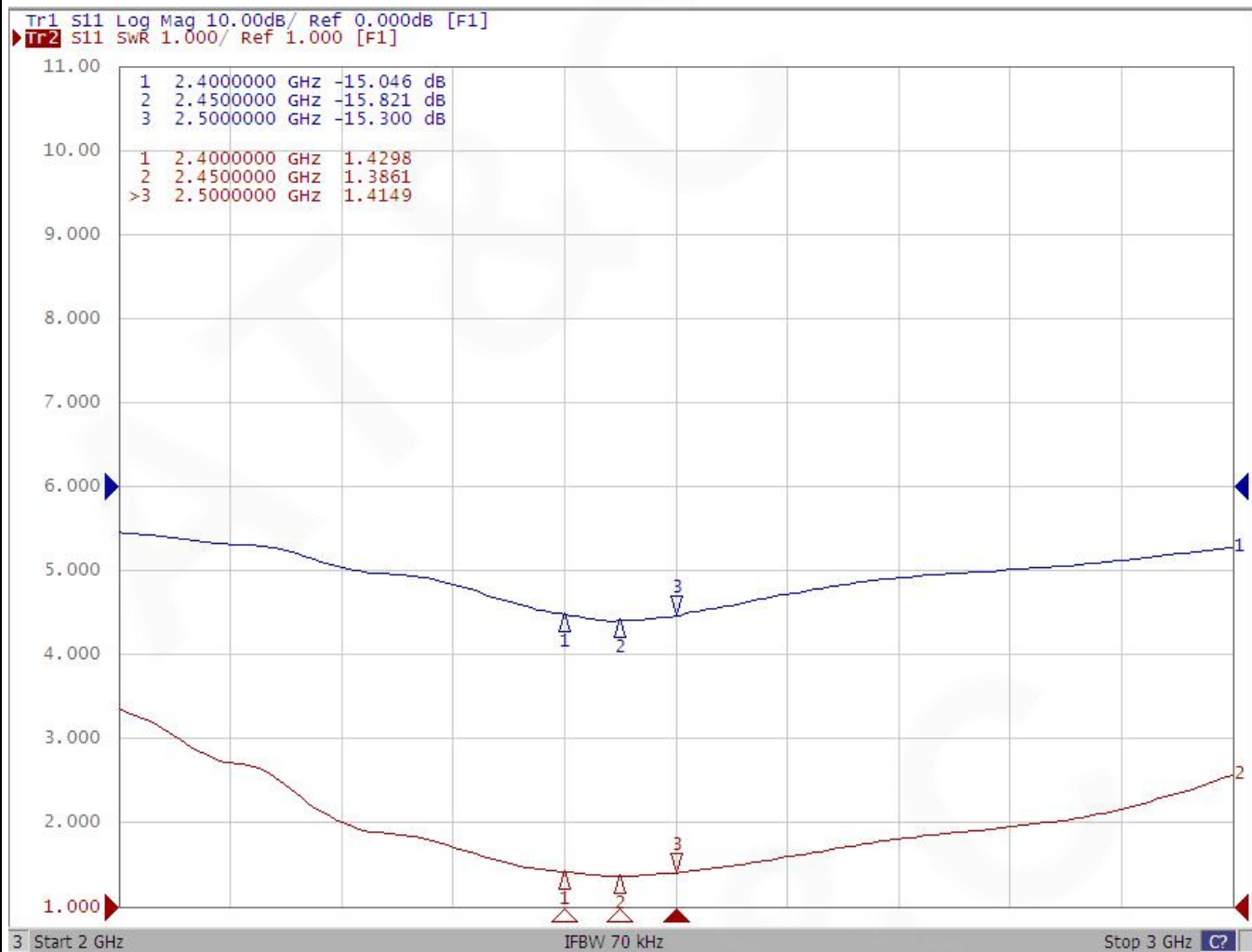
ANT

Matching circuit



Note: The string bit is changed to 8.2pf

Antenna S11



Antenna *Efficiency

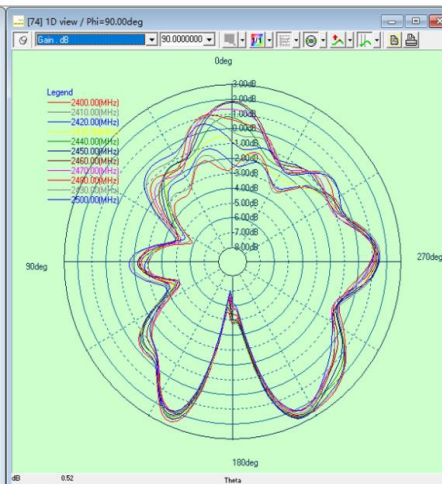
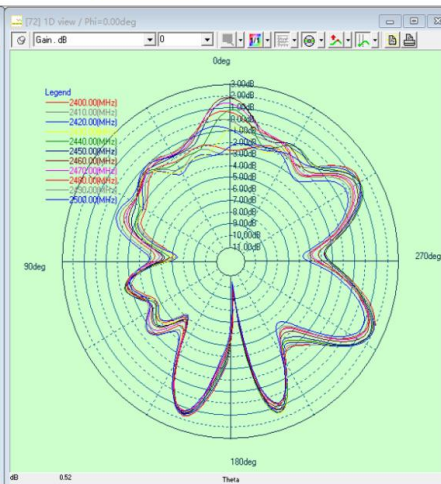
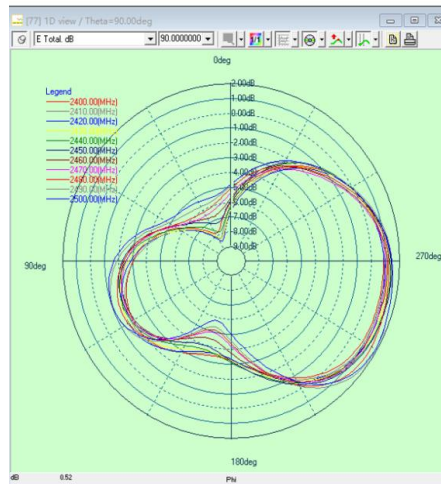
Frequency/MHz	Efficiency/%	dBi
2400	66%	2.97
2410	66%	2.90
2420	66%	2.85
2430	66%	2.78
2440	68%	2.88
2450	69%	3.01
2460	66%	2.73
2470	64%	2.34
2480	67%	2.35
2490	68%	2.60
2500	66%	2.43

Directional pattern TEST

XY面

XZ面

YZ面



1	2	3	4	5	6	7	8	9	10	11	12	13	
						REQ. No.		REV		DATE		DESCRIPTION OF CHANGE	
						1							

⊕ 正面 (TOP)

⊕ 背面 (BOTTOM)

<NOTE>

- General Tolerance: ± 0.15 mm Antenna Welded Cable Wire Component,
- Product Surface: Antenna Surface Black matte ink surface with printing as shown in the figure position. PE bag packaging shipment
- 3.00471 LSE for antenna backing glue. Material material: PI, substrate thickness $T = 1/2$ mm, electrolytic copper foil thickness 0.035mm
- Coating () labeling is managed according to key dimensions
- Measure the size after removing the attachment plane of the stripping paper.
- Gold plating Type and Spec. thickness: electrolytic method / Au (gold plating 0.025-0.050 Nickel thickness is 2-8um)
- Print, back, no bubbles or foreign bodies in appearance. Salt fog 48H OK
- Raw materials should meet ROHS requirements

X	± 0.5	2nd ANGLE PROJECTION ① COPY RIGHT: AT&C 2009.9.4.05		PART NAME	MODEL NAME	DRAWING NUMBER	DRAWING DATE	REV.
.XX	± 0.25							
.XXX	± 0.10							
CHECKED BY	SIZE	UNIT	SCALE	1:1				
DRAWN BY	LNF	UNITS	mm					
APPROVED BY	INS	SCALE	1:1					

AT&C		AT&C Co., LTD (Shenzhen)	
TB210C-FPC-黑色		WIFI Ant	
AT01344-01048040A		REV. A	
2022.12.28			

ATNC-S-01-A4

AA(297X210)

Salt spray test report

Item name	FPC ANT	Item type	ATC-1349	models	T8210C
The experimental class	Salt spray test	Number of items	5 pcs	The researchers	Zhangxuemei
The experiment purpose	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 1 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 the basis of:	《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 2023.02.07	Audit: Pengguangliang
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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