

A letter of recognition

DESCRIBE: Anker Innovations Co., LTD (T8140R)

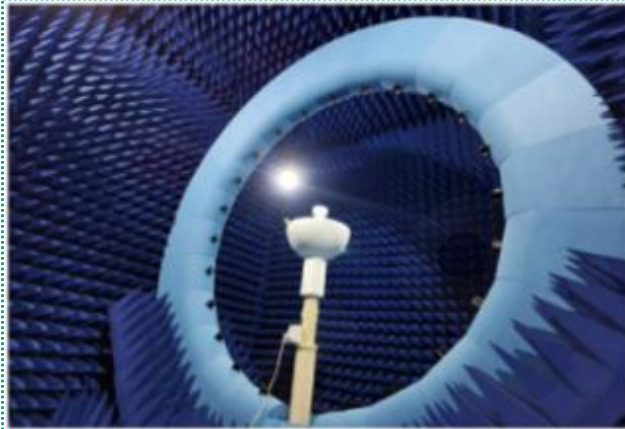
Customer NO: 400102930

PART NO: ATC1356-HY048B04RA

Antenna type: 2.4G FPC ANT

DATE: 2022.12.16

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



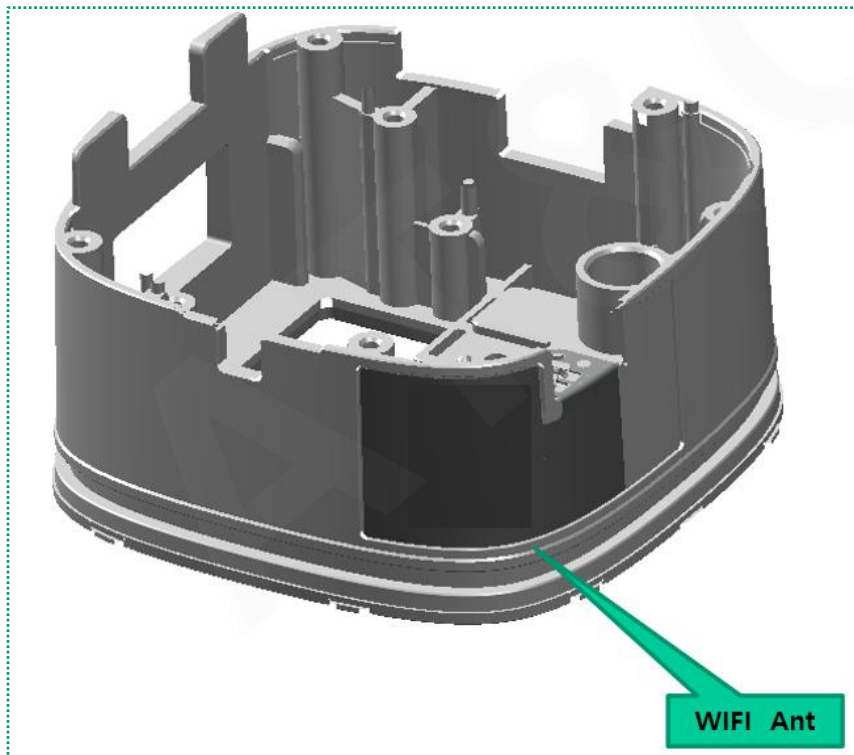
We have RF equipments as below

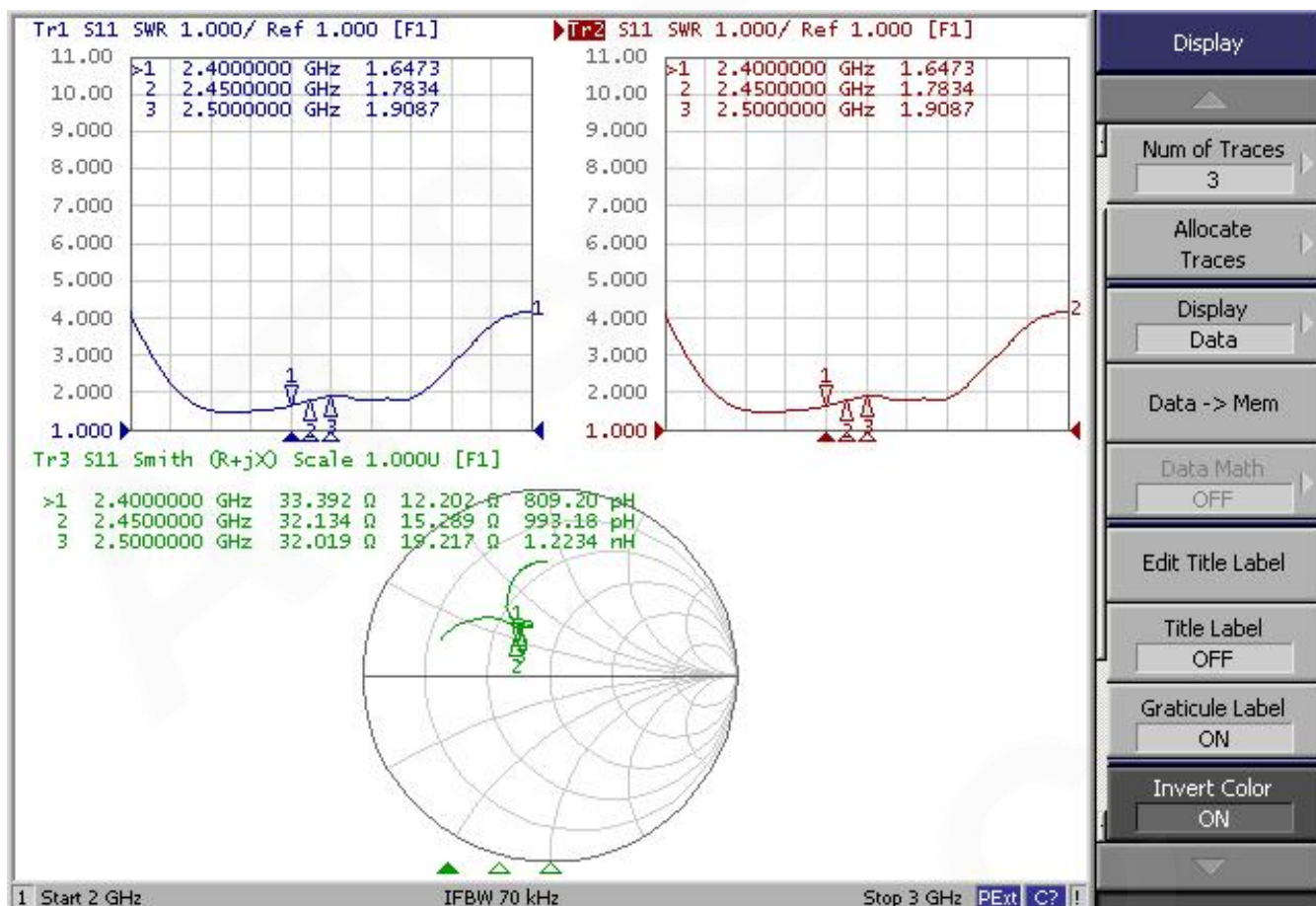
Anechoic Chambe

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

Measurement

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





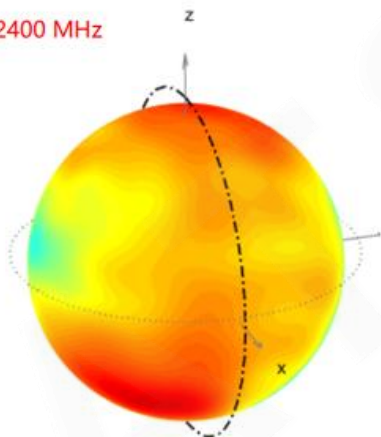
Antenna *Efficiency

Frequency	Efficiency	dBi
2400	66%	2.97
2410	67%	2.67
2420	68%	2.79
2430	67%	2.83
2440	69%	2.86
2450	69%	2.78
2460	66%	2.81
2470	64%	2.71
2480	66%	2.80
2490	65%	2.79
2500	61%	2.62

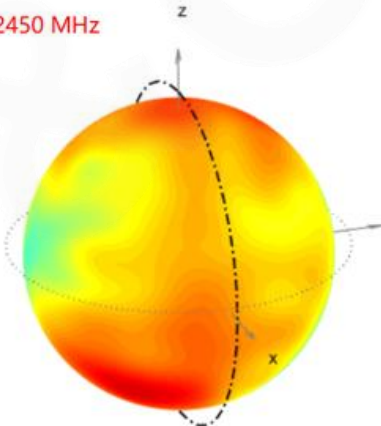
Channels	TRP	TIS
2.412 GHz	19.61	-83.46
2.437 GHz	19.63	-83.25
2.462 GHz	19.43	-83.45

Antenna 3D

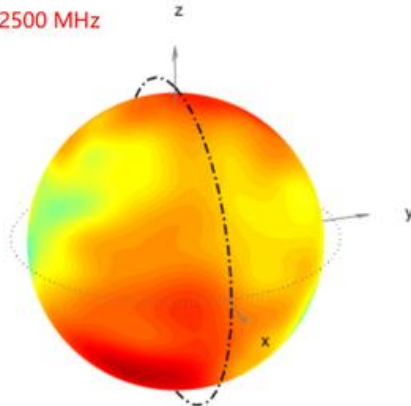
2400 MHz



2450 MHz



2500 MHz



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

*25.09±0.2

*17.7±0.2

Ø1.1

ATC V1.5
T8140R-WIFI

Back glue is required
in shaded areas

Cutting position of
adhesive backed paper

<NOTE>

- General Tolerance: +0.15 FPC Antenna
- Product Surface: Antenna Surface Black matte ink surface silk printing as shown in the figure position, PE bag packaging shipment
- 3M9471 LSE for antenna backing glue. Material material: PI, substrate thickness T = 1/2mil, electrolyticcopper foil thickness 0.50z
- Coarsening () 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 0.025-0.060 Nickel thickness is 2-8UM)
- Front, back, no bubbles or foreign bodies in appearance. Salt fog 48H OK
- Raw materials should meet ROHS requirements

X	±0.5	3rd ANGLE PROJECTION	
.X	±0.25		
.XX	±0.10		
.XXX	±0.05		

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THIS DRAWING IS NOT FOR SALE	

AT&C AT&C Co., LTD. (Shenzhen)	
PART NAME	T8140R-FPC-黑色
MODEL NAME	wifi-ant
DRAWING NUMBER	ATC1356-HY048B04RA
DRAWING DATE	2022. 12. 15

CHECKED BY		SIZE	A4
DRAWN BY	LHF	UNITS	MM
APPROVED BY	JACK	SCALE	1:1

ATNC-S-01-A4

A4(297X210)

Size information					Measuring sample			% Tolerance		Handling opinions			Measuring tool
num ber	Dime nsion prop erty	Dimen sion	Lower to lerance	Upper t oleranc e	1	2	3	Upper	Lower	determi ne	Supplier r eview co mments	Custo mer re view co mments	
1	key p oint	25.9	-0.20	0.20	25.91	25.87	25.89			PASS			PJ
2	key p oint	17.7	-0.20	0.20	17.66	17.65	17.69			PASS			PJ
3	key p oint	1.1	-0.05	0.05	8.18	8.20	8.18			PASS			PJ

Salt spray test report

Item name	FPC ANT	Item type	ATC-1356	models	T8140R
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 2022-12-14			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