

A letter of recognition

DESCRIBE: Anker Innovations Co., LTD (T8214)

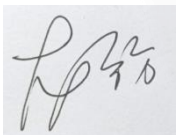
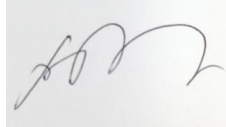
Customer NO: 13706-D4W0008R-00

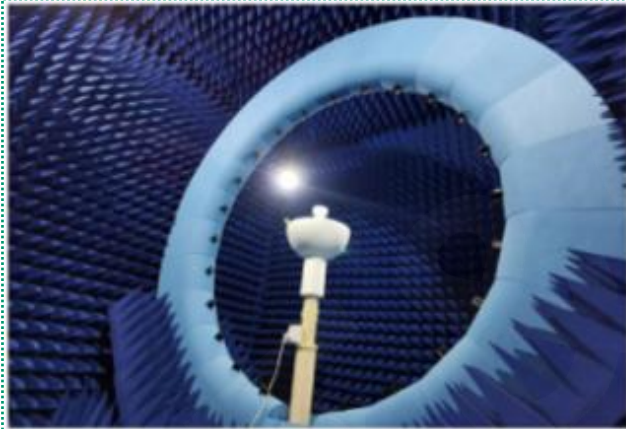
PART NO: ATC1380-HY057B04RA

Antenna type: 2.4G FPC ANT

DATE: 2023. 06. 30

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
			MO zenweng	Xuliying	



We have RF equipments as below

Anechoic Chambe

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

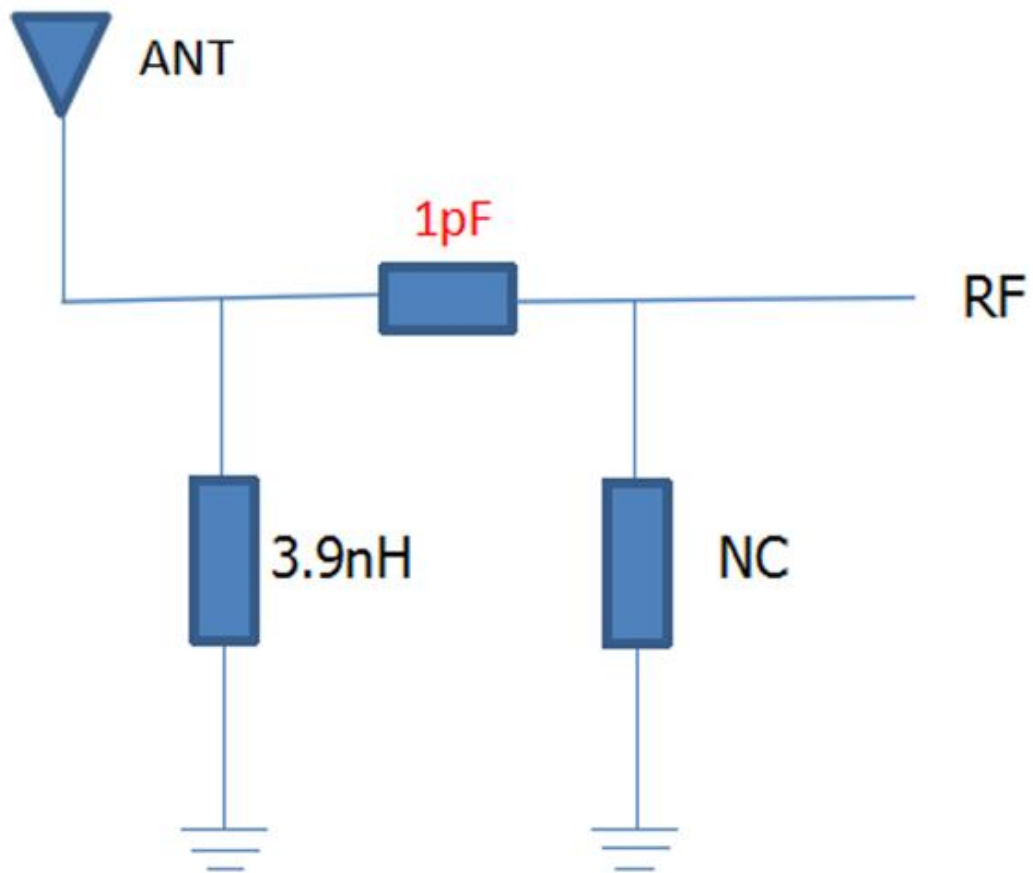
Measurement

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



T8214-ANT

Antenna impedance matching



Parallel 3.9 NH inductor, series 1PF capacitor

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

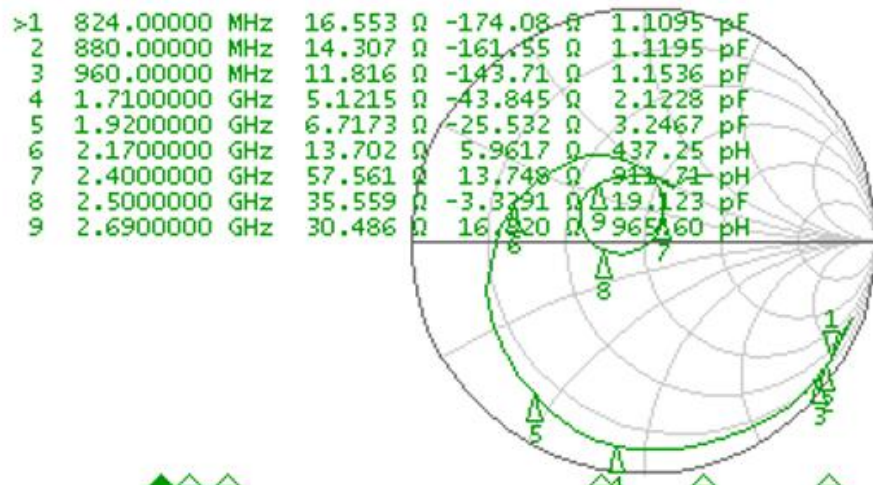
Tr1 S11 Log Mag 5.000dB/ Ref 0.000dB [F1]



Tr2 S11 SWR 1.000/ Ref 1.000 [F1]



Tr3 S11 Smith (R+jX) Scale 1.000U [F1]



1 Start 500 MHz

IFBW 70 kHz

Stop 3.1 GHz

Sim PExt C?

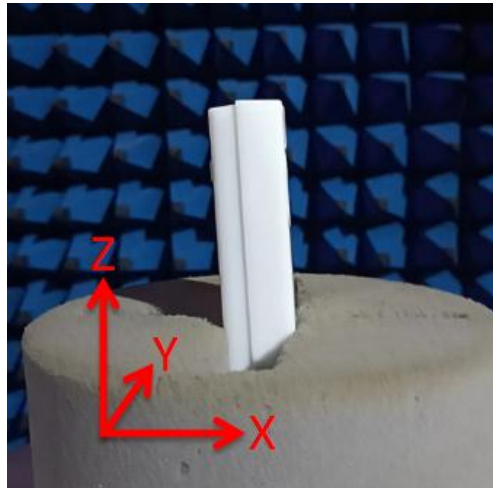
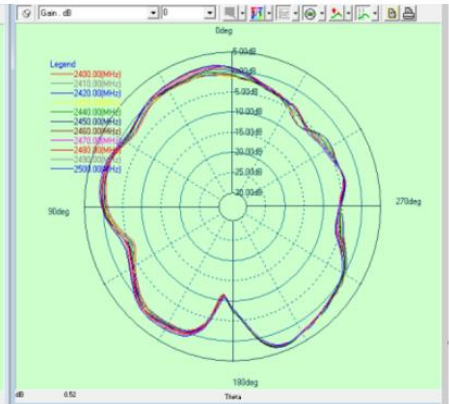
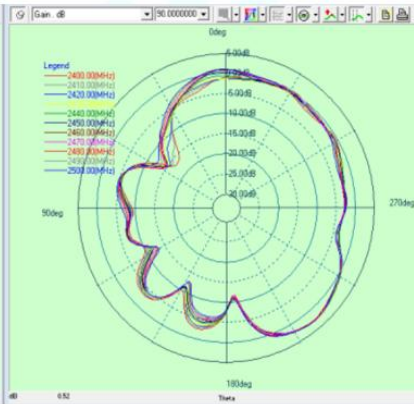
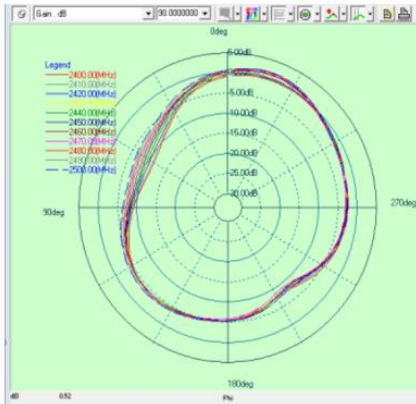
(2.4G) Passive Test Results

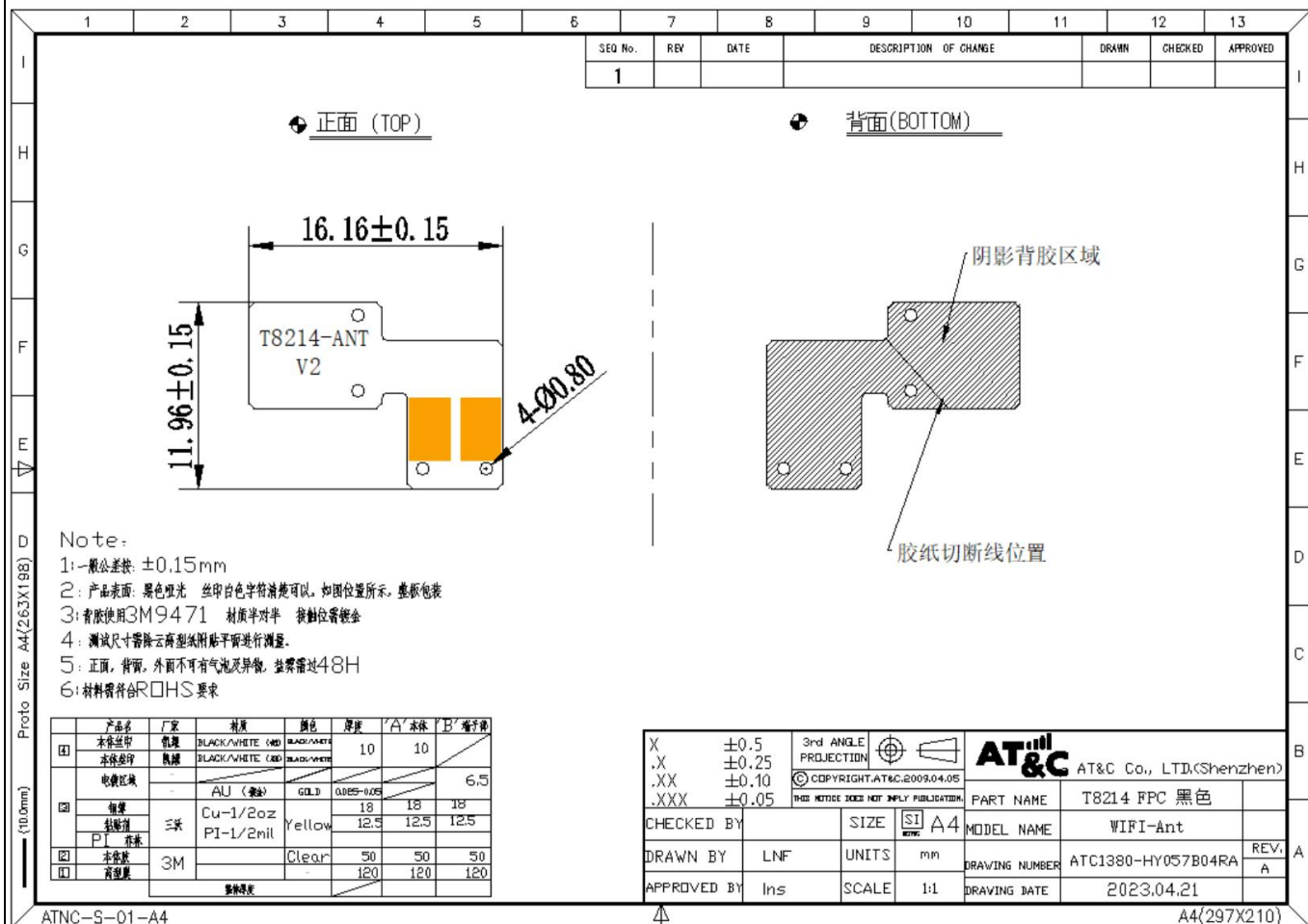
Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Max Gain (dBi)
2400	58.93%	-2.30	2.52
2410	60.40%	-2.19	2.65
2420	61.12%	-2.14	2.79
2430	61.99%	-2.08	2.90
2440	60.04%	-2.22	2.99
2450	61.42%	-2.12	2.93
2460	60.45%	-2.19	2.72
2470	60.63%	-2.17	2.75
2480	63.01%	-2.01	3.01
2490	65.37%	-1.85	3.21
2500	64.10%	-1.93	3.04
AVG:	61.59%	-2.11	2.86

H

E1

E2





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	16.16	-0.15	0.15	16.15	16.17	16.09			PASS			PJ
2	key point	11.96	-0.15	0.15	11.95	11.91	12.02			PASS			PJ
3	key point	0.8	-0.05	0.05	0.82	0.80	0.84			PASS			PJ

Salt spray test report

Item name	FPC ANT	Item type	ATC-1380	models	T8214
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 2023.06.08			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