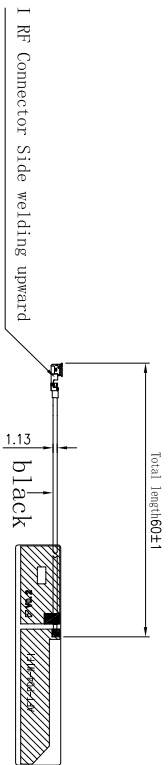


Antenna Specifications

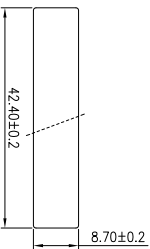
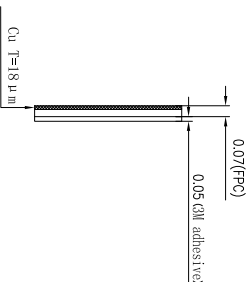
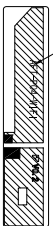


Customer name	Arrow	Project name	P04
Commissioning band	WiFi 2.4G/5G	Structural mode	FPC+weld
Radio frequency engineer	Xiang Yi	Structural engineer	Du Qiang
Antenna type	monopole	date	2026/3/13



Assembly drawing

screen printing white
text“AFT-P04-WIFI”



Product front black

The back of the product

Note:

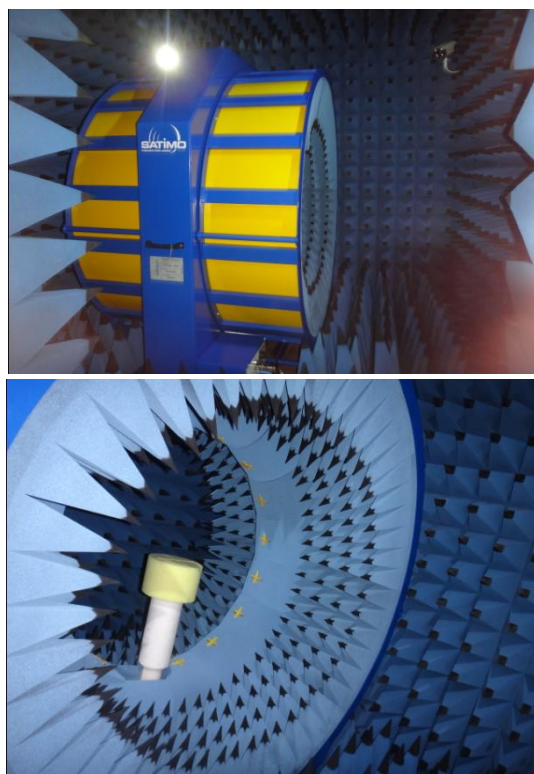
1. The back glue is made of 3M 9471 300LSE, with a viscosity exceeding 300MP. The back glue shape is consistent with the substrate and covered on the back of the substrate. The back cut is half-cut;
2. The single-sided material is of good flexibility;
- 3、 The gold plating area. The copper foil area.
4. The coated product is bent by 180° without cracks and with good flexibility;
5. The golden finger surface plias gold 1~3u" without oxidation. The copper foil connections have no cracks or conduction after 180° bending; ;
6. Precise tolerance range of wiring and hole: +0.03mm. The tolerance of external dimensions falls within 0.2mm;
7. the items making “*” are key sizes. The unmarked sizes are measured at 1:1 according to CMB electronic profile.
8. The specific content and position of surface printing refer to the figure;



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Third		Model		Date	2024-06-24	Drawing	WIFI天线	Designed by	Audited by	Page	1 of 1
0~10	±0.10	○	0.02	PART name	PART No.	P-188-6-B-1-1A	Structure	RF	Approved by		
10~20	±0.12	◎	0.03	PART No.	PART No.	P-188-6-B-1-1A	Material	PPG+3M9471			
20~40	±0.15	⊥	0.02	Material	PPG+3M9471		Mold surface treatment				
40~	±0.20	∠	0.04	Mold surface treatment							
请勿实测图纸		位置	∠	0.02	Appearance	treatment		unit	mm	Proportion	1:1

NO.	Date	Modify content	Version	Remarks
1				



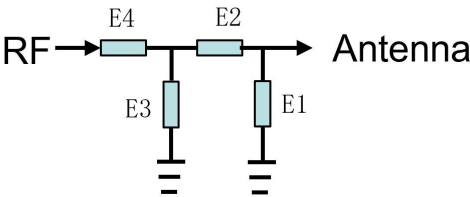
tarLab 3D laboratory, originally imported from France SATIMO Company, can accurately and quickly test the TRP, TIS, efficiency, gain, apple chart, direction chart and other parameter data of communication terminal products such as mobile phones, tablets and notebooks.

Antenna report version summary

edition	date	Content overview
V1.0	2024/6/24	Sample passive antenna test report
V2.0	2025/1/11	Certification test report
V3.0	2026/3/13	Supplementary 2.4g WiFi Antenna Test Report

The WiFi antenna matching circuit ----- has not been changed

Element	E1	E2	E3	E4
Value	NC	0 欧	NC	0 欧



Passive antenna gain efficiency WIFI/5G

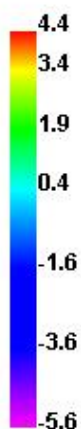
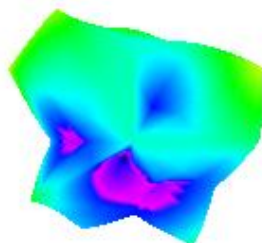
Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
5150	53.31	4.42	2400	42.11	2.64
5200	50.82	4.35	2410	44.1	2.7
5250	58.51	4.99	2420	49.69	3.15
5300	50.86	4.38	2430	49.82	3.16
5350	50.29	4.42	2440	56.22	3.55
5400	51.75	4.4	2450	58.38	3.51
5450	54.67	4.24	2460	60.2	3.73
5500	46.8	3.42	2470	62.37	3.85
5550	42.2	2.7	2480	69.57	4.09
5600	41.97	2.34	2490	62.71	3.73
5650	40.08	2.38	2500	64.27	3.73
5700	43.96	2.41			
5750	46.82	2.58			
5800	41.67	1.91			
5850	43.73	2.06			

Antenna installation diagram

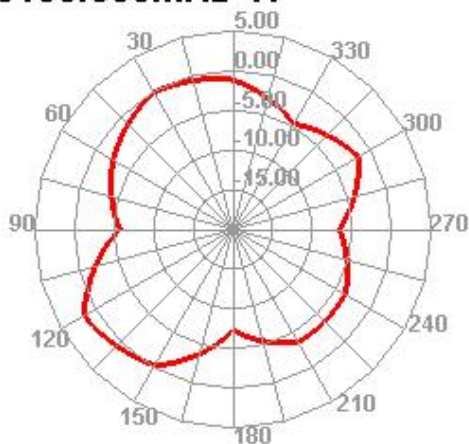


Apple chart direction

5150.000MHz

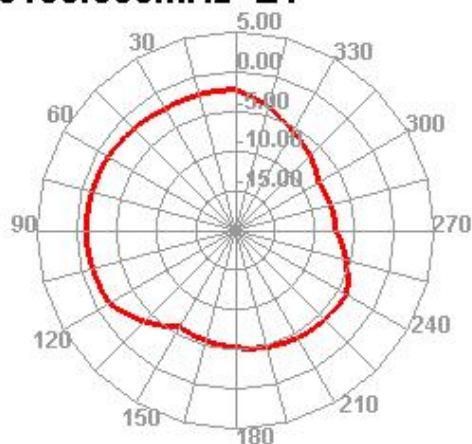


5150.000MHz H

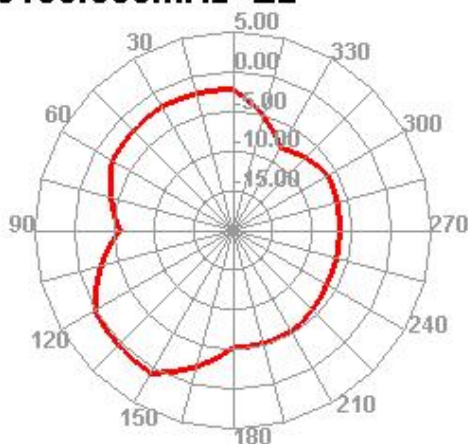


chart

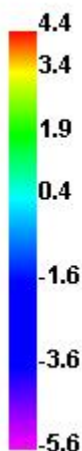
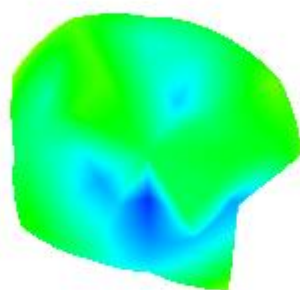
5150.000MHz E1



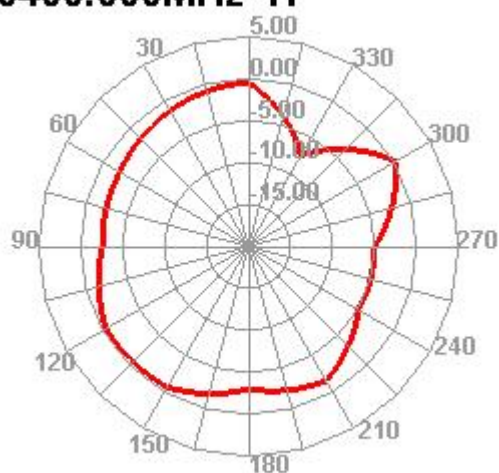
5150.000MHz E2



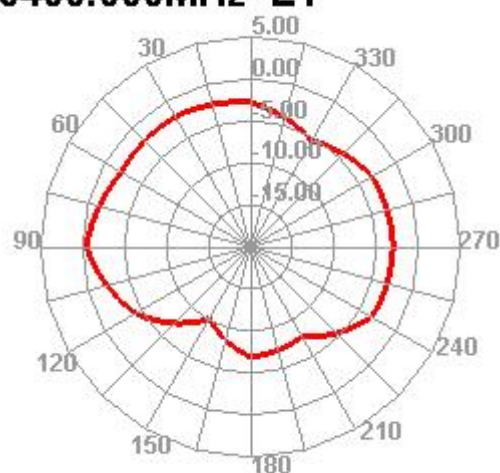
5400.000MHz



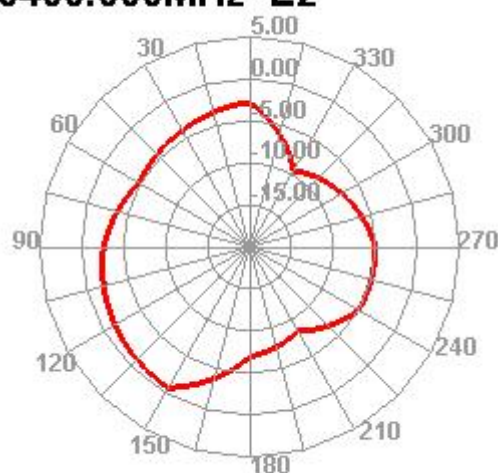
5400.000MHz H



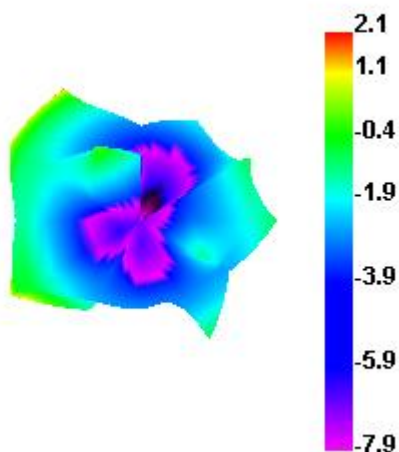
5400.000MHz E1



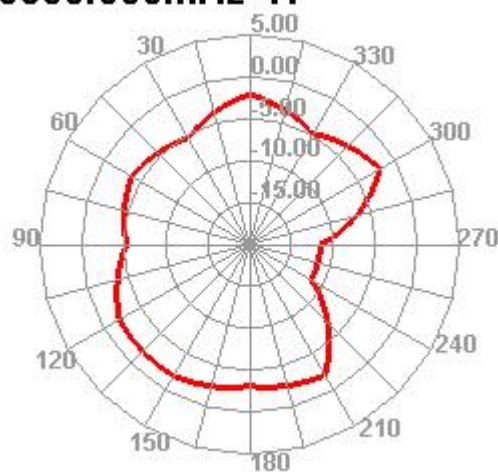
5400.000MHz E2



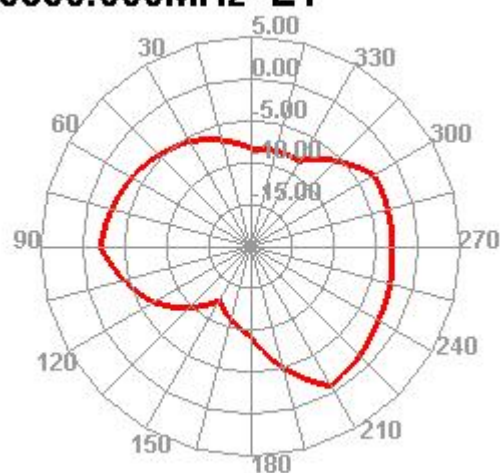
5850.000MHz



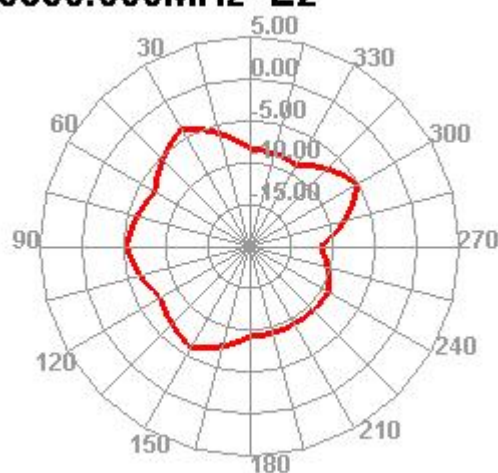
5850.000MHz H



5850.000MHz E1



5850.000MHz E2



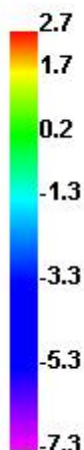
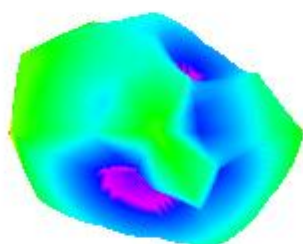


AFTtEch

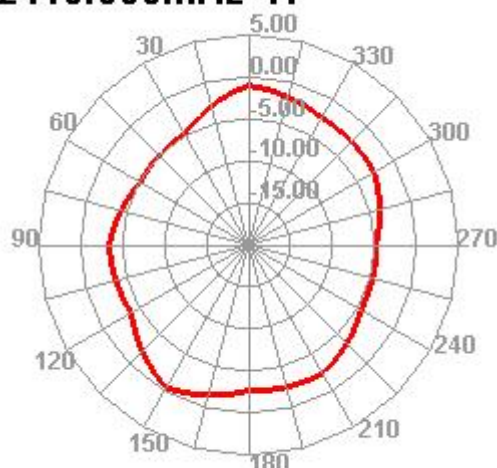
Shenzhen wuxian Electronics Co., LTD

Shenzhen infinite Zhilian technology Co., LTD

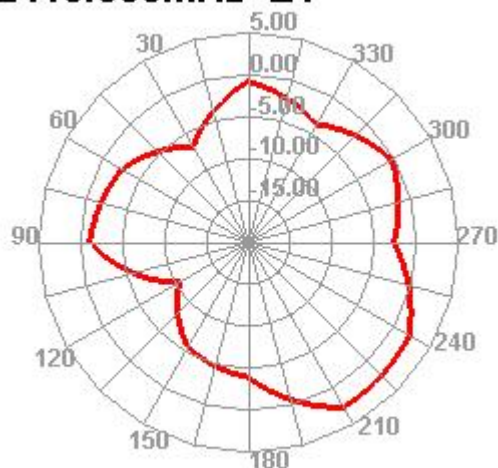
2410.000MHz



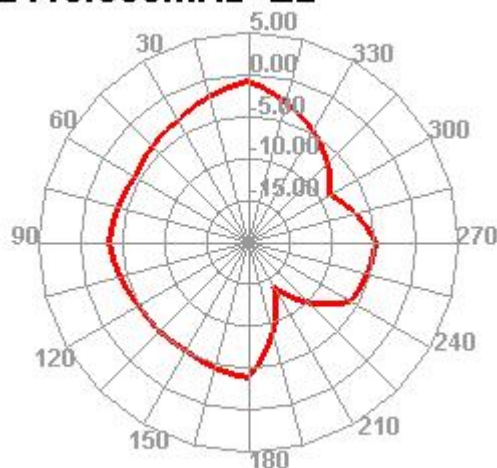
2410.000MHz H



2410.000MHz E1



2410.000MHz E2



Environmental treatment

No environment treatment

Note:

1, this antenna is only suitable for debugging prototype, motherboard PCB or RF circuit material changes, accessories (such as camera, screen, horn, motor, battery, shell process) and other changes, must be tested and verified by our company before use.

2. If this project needs to be verified by the third party, please send the prototype to our company for retesting at least one working day in advance, and then send it to our company for testing, so as to avoid delays in the project progress after two or multiple tests!

Address: Room 302, 3 / F, Building B, Hong Kong Shenzhen Innovation Park, No. 40 Huaming Road, Dalang Street, Longhua District, Shenzhen Tel: 0755-27888203 Fax: 0755-27888450