



Dongguan RF Electronic Technology Co., Ltd

Company Address: No. 1, Qinghu Head Sankeng Industrial Zone, Tangsha Town, Dongguan City Tel: 0769-38940168 Fax: 0769-39010966 Website: <http://rflink.net.cn>

SPECIFICATION SHEET

CUSTOMER NAME:

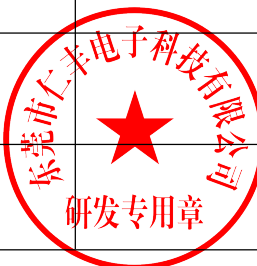
PRODUCT NAME: 2.4/5G 1.37 black double tin wire exposed L=92mm+ terminal

CUSTOMER P/N:

Ren Feng P/N: 3010200409 REV:A

National invention patent No

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Zhong Qing	
AUDITOR BY:	Song Jun	
APPROVED BY:	Yao Dingjun	
DATE:	2025-08-12	





Resume					
Edition No.	Modify chapter	Modify Page	Effective date	File and data changes	Change recorder
A			2025-8-12	First edition release	Zhong Qing

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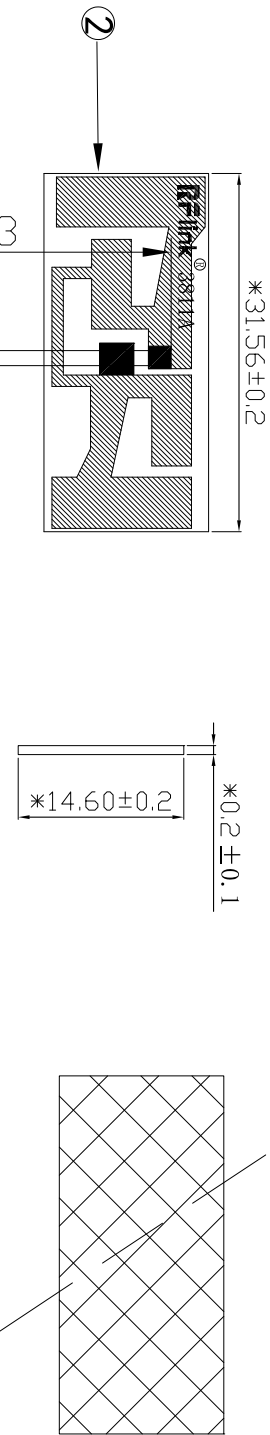
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Electrical parameters and mechanical parameters

Main technical specifications	
Frequency Range (MHZ)	2400-2500 5150-5850
Impedance(Ω)	50
Gain(dBi)	2/4
Return Loss(dB)	≤ -9.5
VSWR	≤ 2.0
Polarization	Linear
Radiation	Omni-directional
Connector Type	MHF-plug
Physical Properties	
Antenna Base	PI
Operating Temp	-20°C~+60°C
Storage Temp	-20°C~+70°C

F		G	
REV	DATE	DESCRIPTION	
A	2025-07-17	NEW ISSUE	



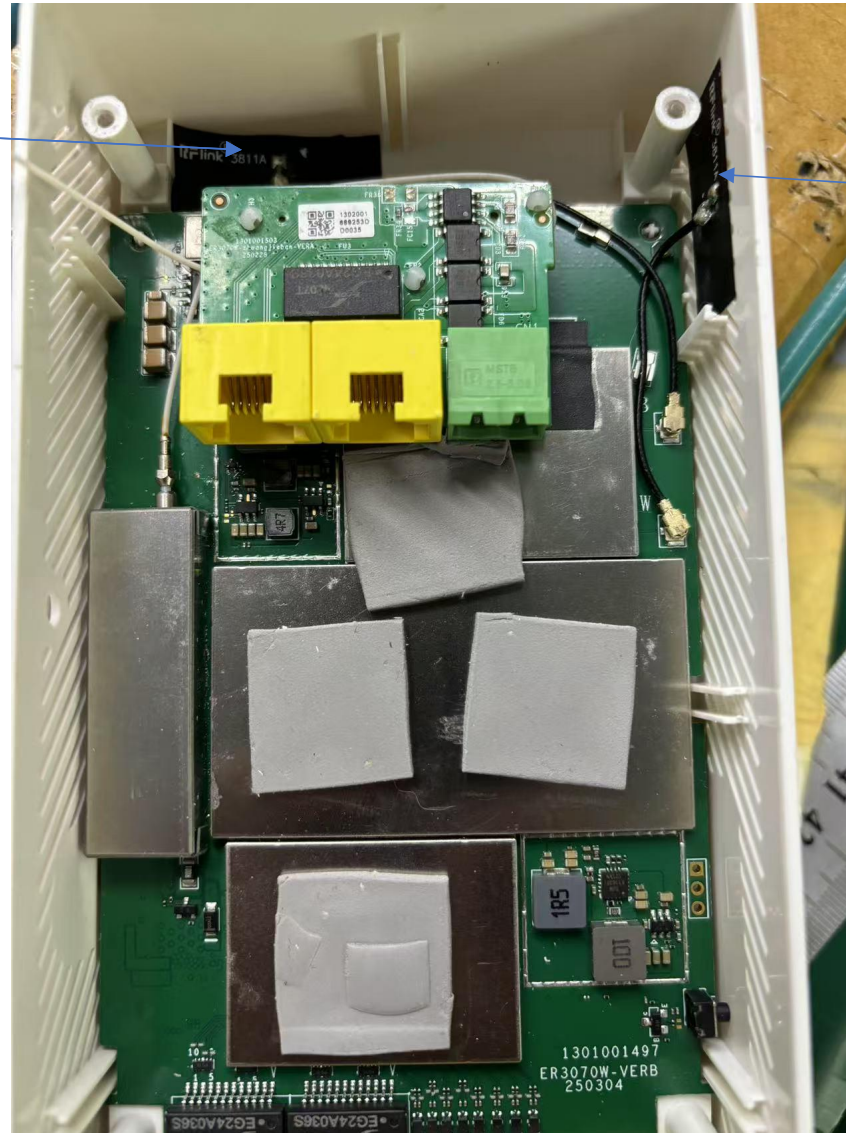
Terminal orientation as shown in the figure

Specification:
Frequency Range : 2.4~2.5/5.15-5.825GHz

			XXX, ±2.0			APPROVED			COSTOMER			RF link RenFeng Electronic technology Co., LTD.											
3	Terminal	1	Copper :First-generation terminal			XX, ±1.0			Recognition Version NO :														
2	FPC	1	PI						PARTNAME :														
1	Wire	1	1.37 Black line			X, ±0.5			CHECKED														
NO	DESCRIPTION	Q'TY	REMARK			X, ±0.2			R.F P/NO : 3010200409														
The product complies with the requirements of environmental protection RoHS 2.0 The tolerance dimension is the inspection dimension						DRAWING			REV			UNIT			SCALE			SIZE			SHEET		
												mm			1:1			A4			10F1		
A		B		C		D			E			F			G								

◆Antenna position

ANT1



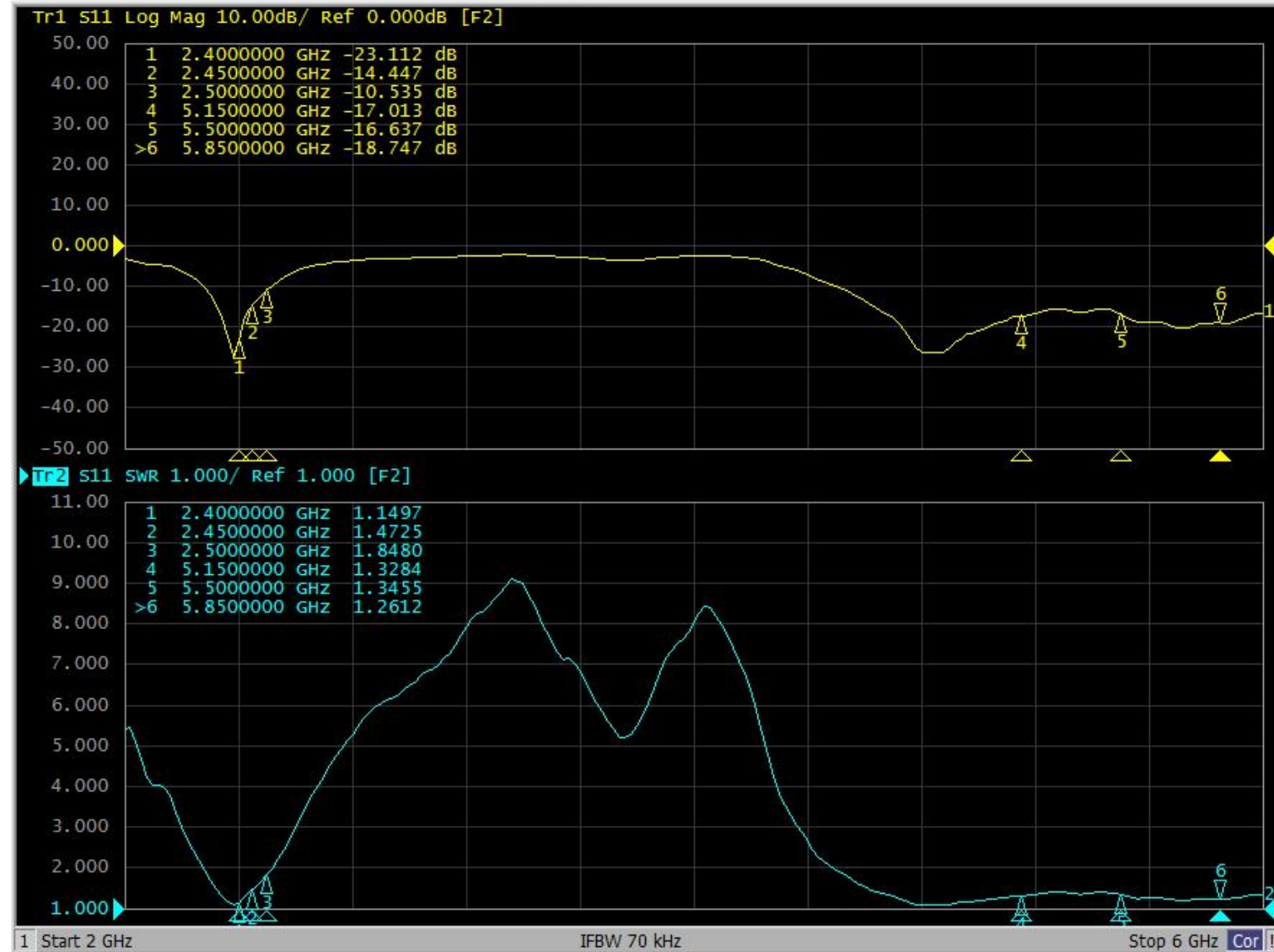
ANT2

◆ Reflection parameterS11

ANT2

E5071C Network Analyzer

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



Resize

System

Print

Invert Image

ON

Dump
Screen Image...

Multipoint Test Set
Setup

Misc Setup

Backlight

ON

Firmware
Revision

Service Menu

Help

Return

Passive report

◆ Radiation Parameter table

ANT2		
Frequency / MHz	Efficiency/ %	Gain/ dBi
2400	63.53	3.61
2410	64.71	3.73
2420	63.97	3.65
2430	62.23	3.42
2440	59.98	3.06
2450	59.29	2.87
2460	57.28	2.79
2470	56.1	2.77
2480	54.95	2.78
2490	53.95	2.63
2500	54.83	2.69

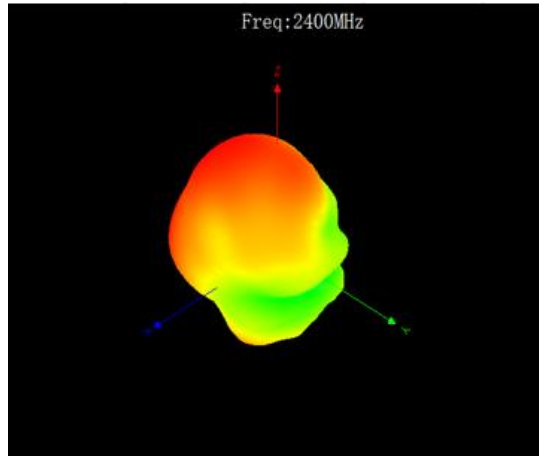
◆ Radiation Parameter table

ANT2		
Frequency / MHz	Efficiency/ %	Gain/ dBi
5150	59.98	2.88
5200	60.81	3.58
5250	63.1	3.31
5300	60.12	2.92
5350	70.79	3.71
5400	67.3	3.43
5450	68.71	3.21
5500	64.71	3.23
5550	66.22	2.26
5600	62.66	2.6
5650	65.77	2.72
5700	65.16	2.4
5750	63.68	2.64
5800	62.95	2.54
5850	66.53	2.92

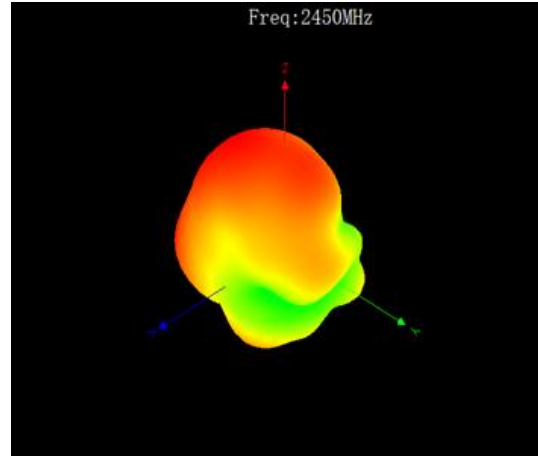
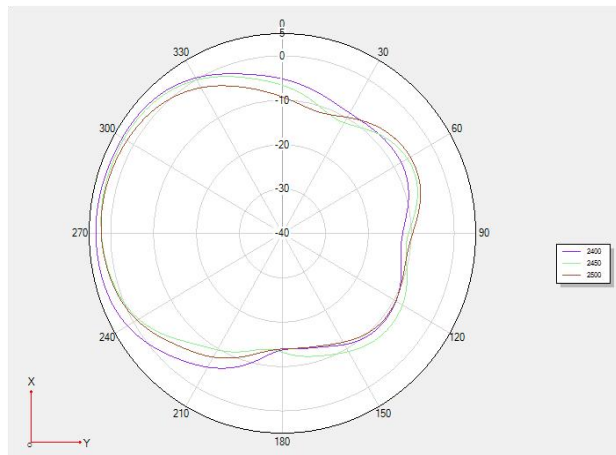
◆ Radiation pattern

ANT2 2.4GHz

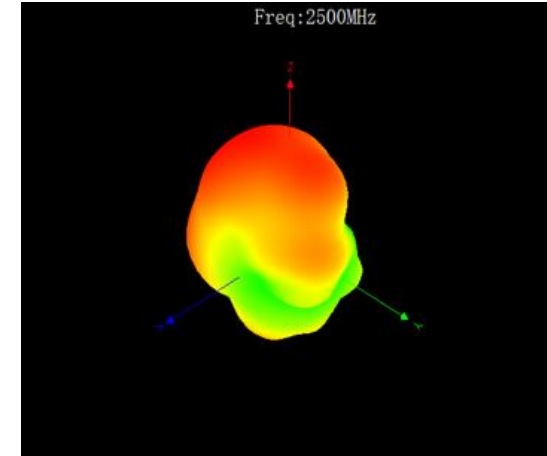
3D orientation map



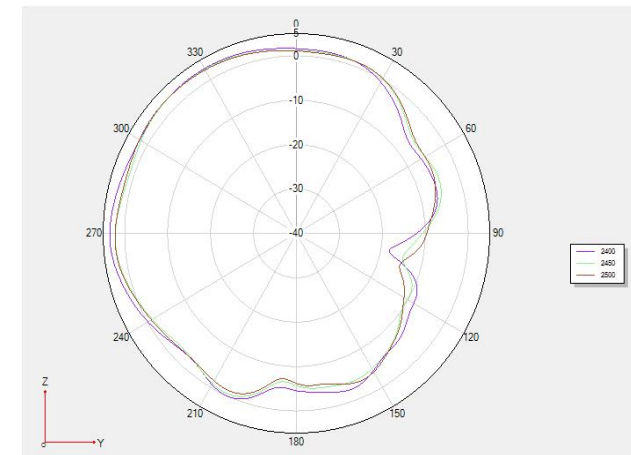
H plane-THET=90



E1 plane-PHI=0



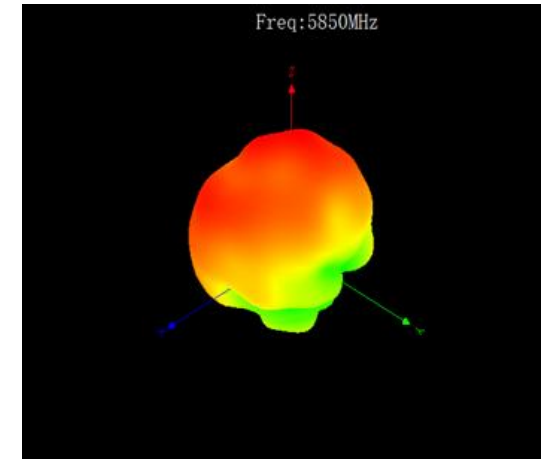
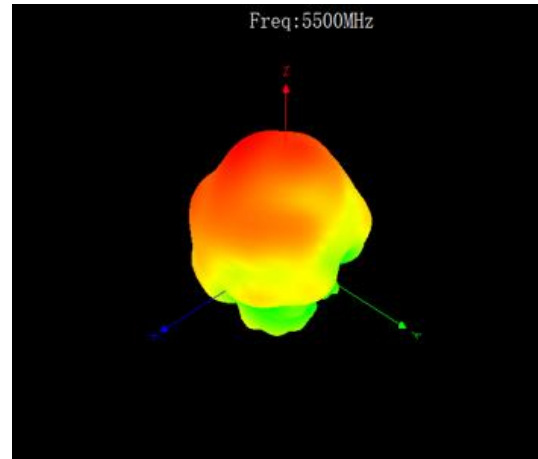
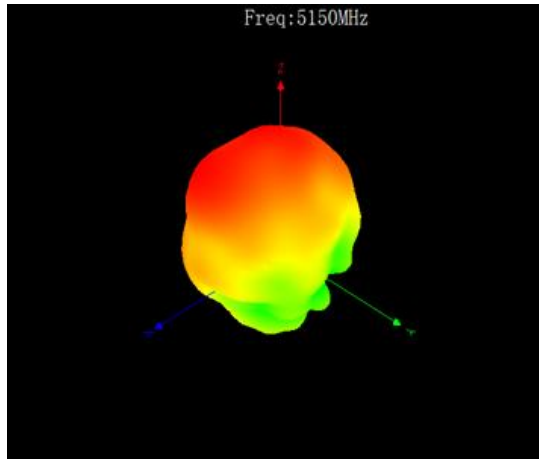
E2 plane-PHI=90



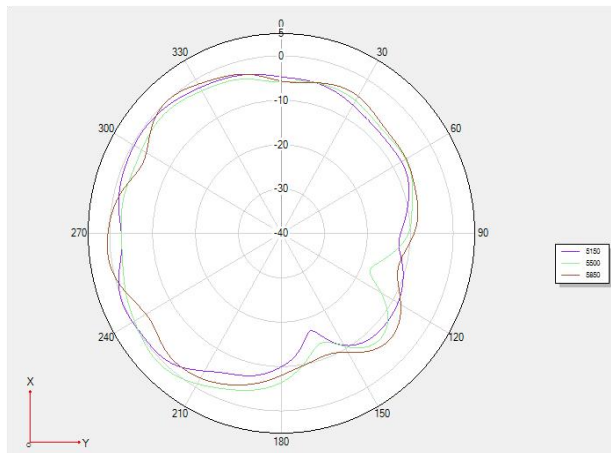
◆ Radiation pattern

ANT2 5GHz

3D orientation map



H plane-THET=90



E1 plane-PHI=0



E2 plane-PHI=90

