



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 white double tin wire exposed L=52mm+ terminal

CUSTOMER P/N:

Ren Feng P/N: 3010200408 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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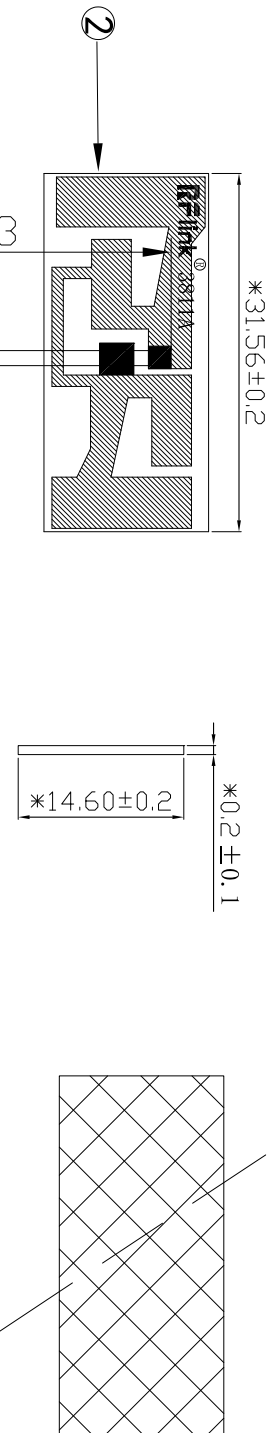
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Electrical parameters and mechanical parameters

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

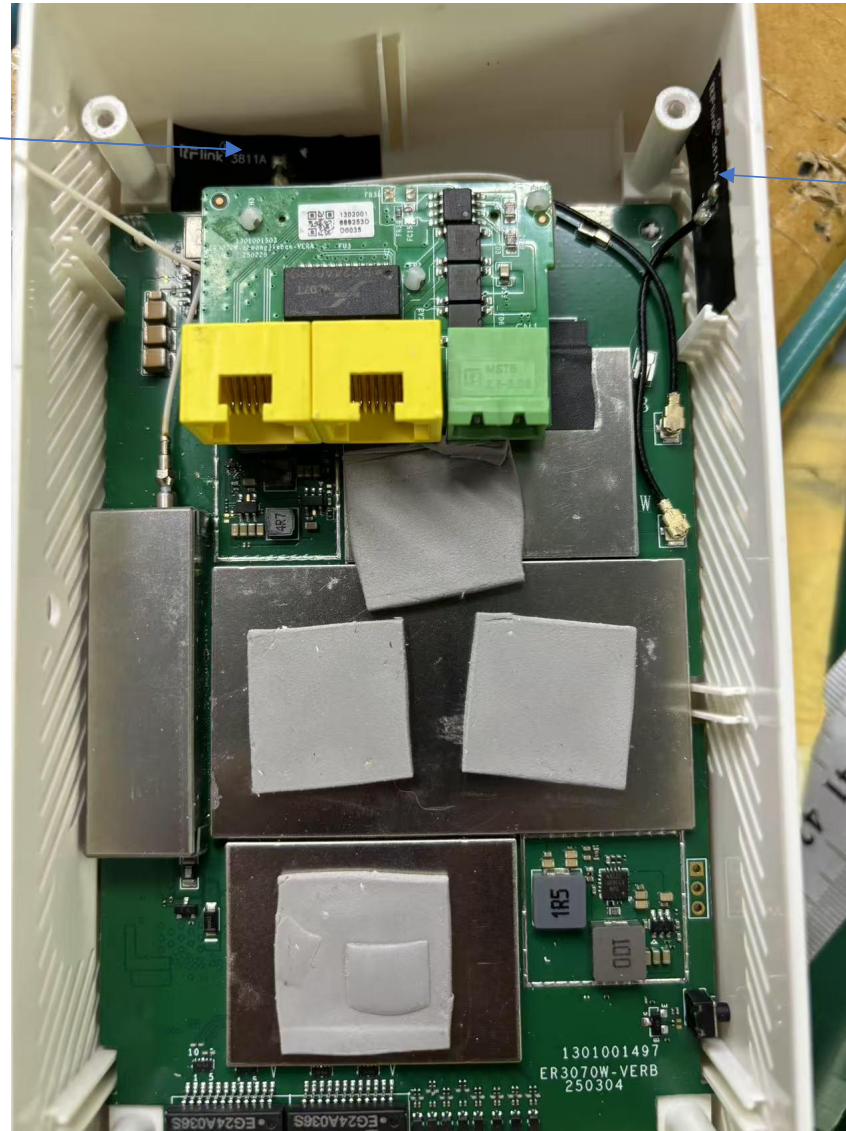
Specification:
Frequency Range : 2.4~2.5/5.15-5.825GHz

				APPROVED				COSTOMER				RF link RenFeng Electronic technology Co., LTD.			
								Recognition Version NO :							
								PARTNAME :							
								R.F P/NO : 3010200408							
				DRAWING				REV							
								UNIT							
								mm				SCALE			
								1:1				SIZE			
								A4				SHEET			
								10F1							

◆Antenna position

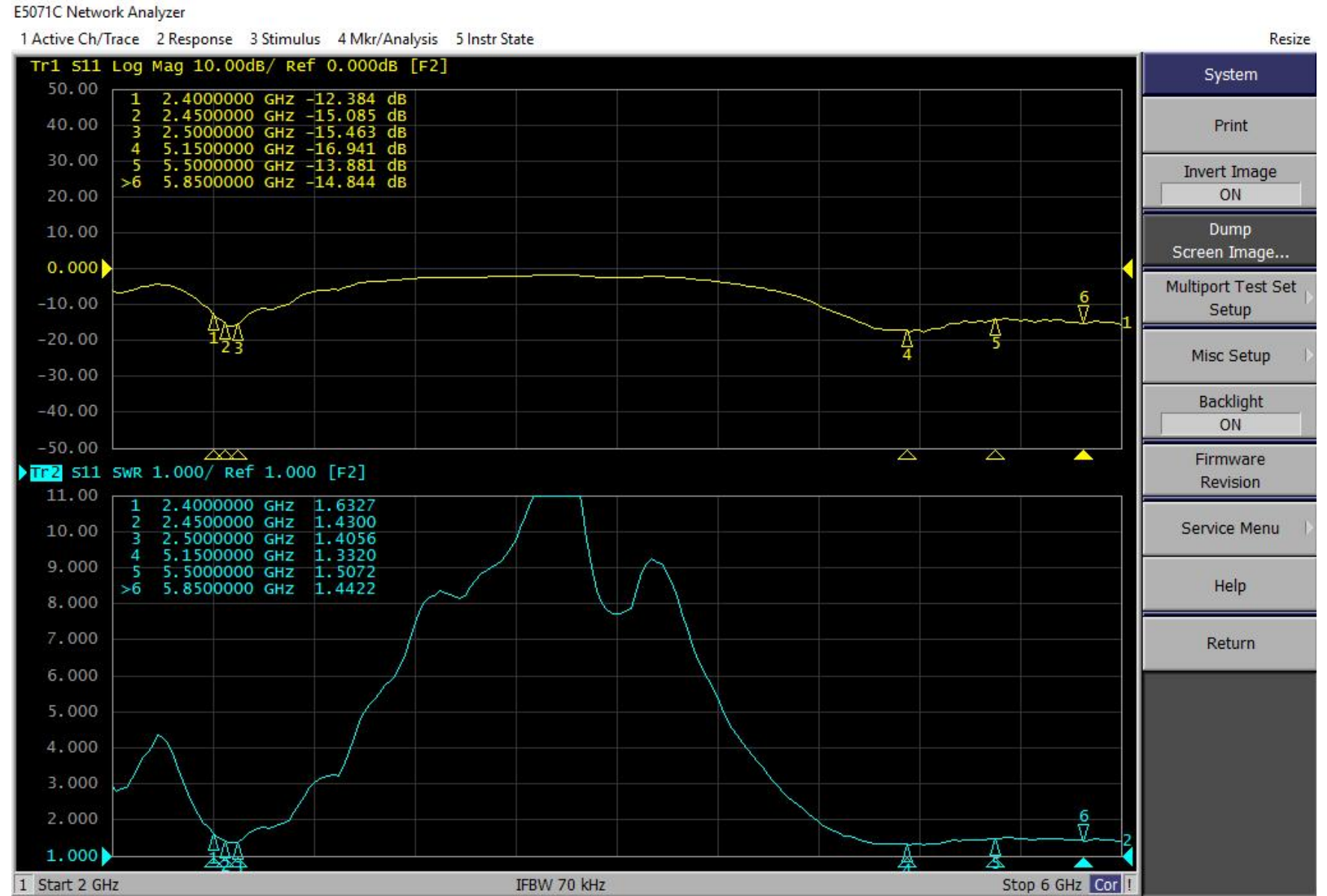
ANT1

ANT2



◆ Reflection parameter S11

ANT1



Passive report

◆ Radiation Parameter table

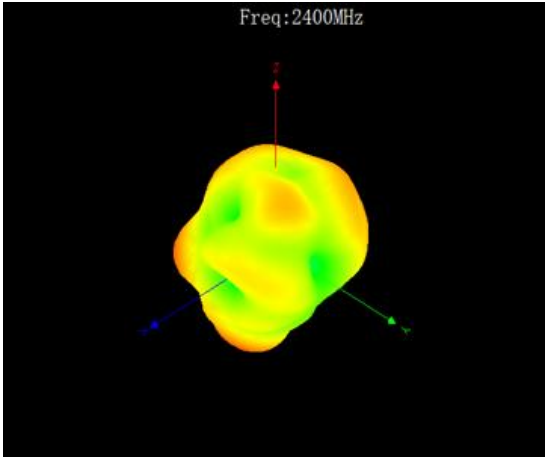
ANT1		
Frequency / MHz	Efficiency/ %	Gain/ dBi
2400	61.19	1.21
2410	61.77	1.02
2420	62.28	1.08
2430	61.48	1.17
2440	60.34	1.16
2450	59.85	1.02
2460	59.65	0.96
2470	59.17	0.94
2480	57.86	0.84
2490	56.79	0.73
2500	57.8	0.83

◆ Radiation Parameter table

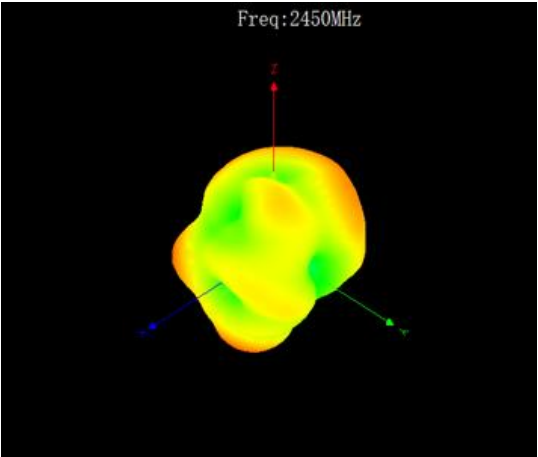
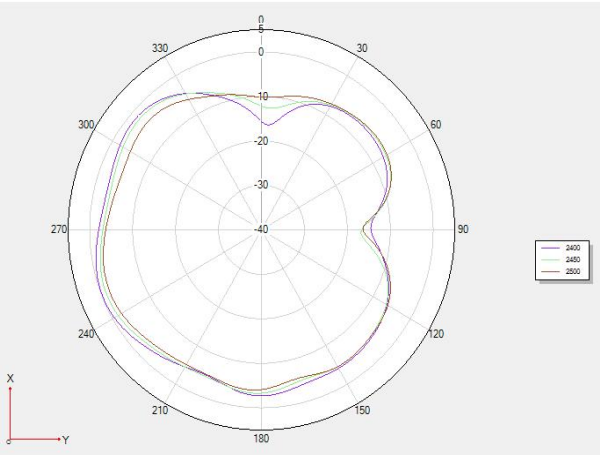
ANT1		
Frequency / MHz	Efficiency/ %	Gain/ dBi
5150	54.26	1.41
5200	53.35	1.61
5250	58.31	1.31
5300	54.16	1.56
5350	58.64	1.99
5400	57.86	2.07
5450	58.08	2.13
5500	57.53	2.55
5550	53.95	1.79
5600	55.19	2.2
5650	57.42	2.2
5700	55.39	2.23
5750	52.07	1.77
5800	54.06	1.73
5850	57.42	2.44

◆ Radiation pattern ANT1 2.4GHz

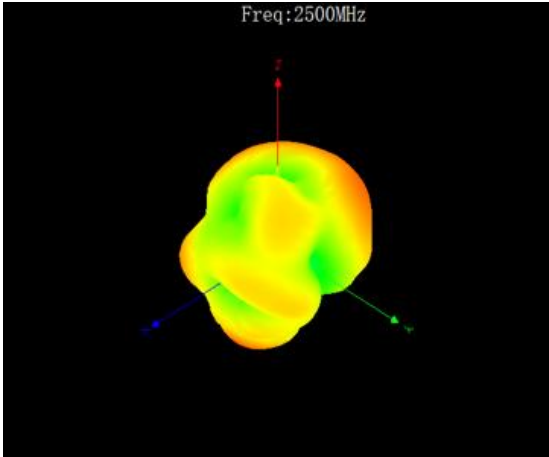
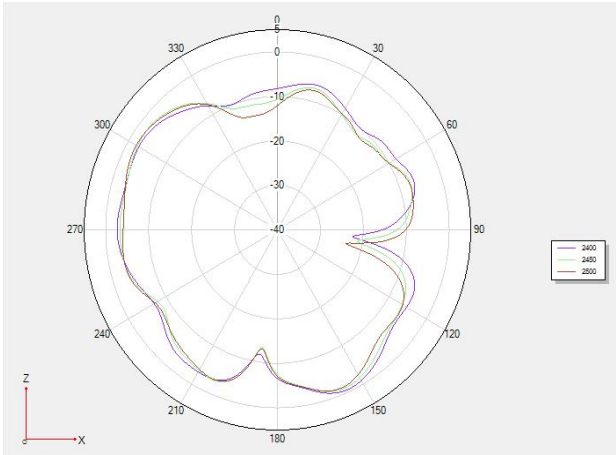
3D orientation map



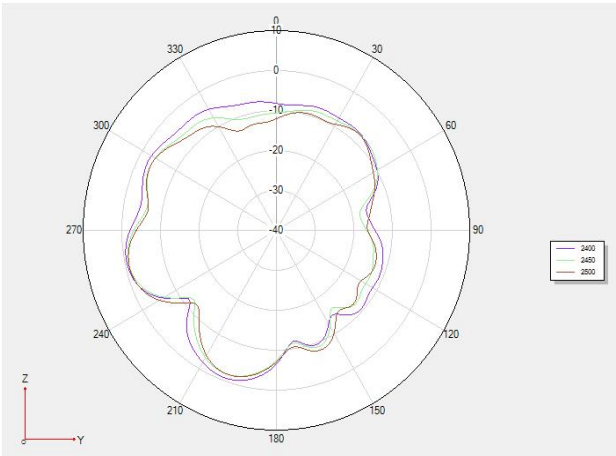
H plane-THET=90



E1 plane-PHI=0

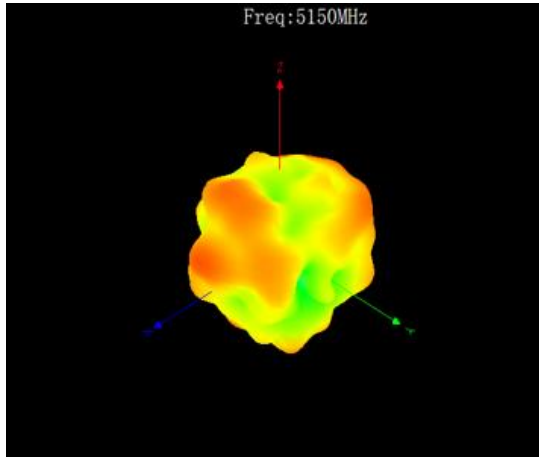


E2 plane-PHI=90

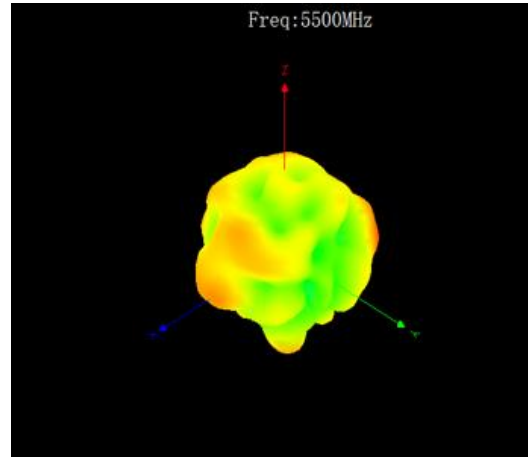
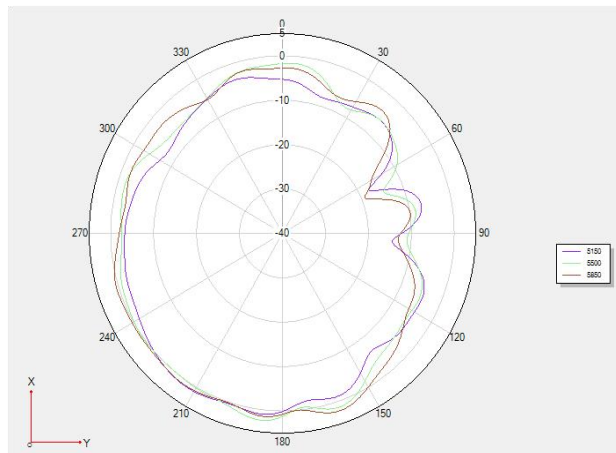


◆ Radiation pattern ANT1 5GHz

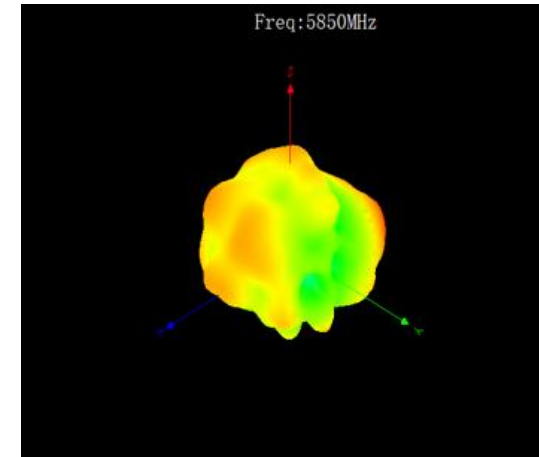
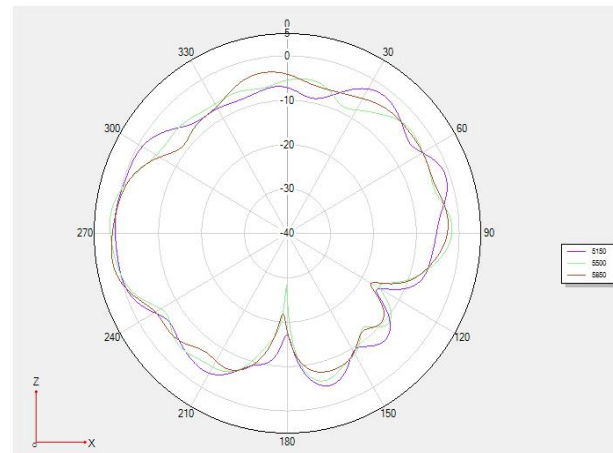
3D orientation map



H plane-THET=90



E1 plane-PHI=0



E2 plane-PHI=90

