

Sample Recognition Letter

Name of Supplier

Dongguan Renfeng Technology Electronics Co., Ltd

Specification type

2.4/5GHz built-in antenna exposed L=100mm

SAP Item Code

ERP Material Code

3010101007

供 应 商 承 认（供方填写栏）					
工 程	品 质	批 准			
宋俊	汤伶俐	姚定军			
		 2025-03-04			





公司地址：东莞市塘厦镇清湖头三坑工业区1号 电话：0769-38940168 传真：0769-39010966 网址：http://rflink.net.cn

东莞市仁丰电子科技有限公司

Dongguan RF Electronic Technology Co., Ltd

规格书

SPECIFICATION FOR APPROVAL

客 户 名 称

CUSTOMER NAME:

产 品 名 称

PRODUCT NAME: 2.4/5GHz built-in antenna exposed L=100mm

客 户 料 号

CUSTOMER P/N:

仁 丰 料 号

Ren Feng P/N: 3010101007 REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
AUDITOR BY:		
APPROVED BY:		
DATE:	2025-03-04	

Address: No.1 Sankeng Road, Qinghu Tou, Tangxia Town, Dongguan

地址：东莞市塘厦镇清湖头三坑路一号

Fax : 0769--38940199

Tel : 0769--38940168

Website : www.rflink.net.cn



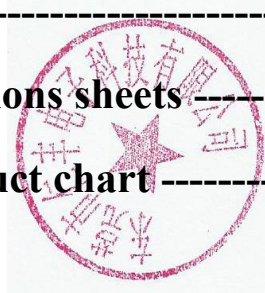
东莞市仁丰电子科技有限公司

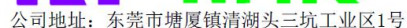
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一、Change Resume

[illegible]



东莞市仁丰电子科技有限公司

Dongguan RF Electronic Technology Co., Ltd

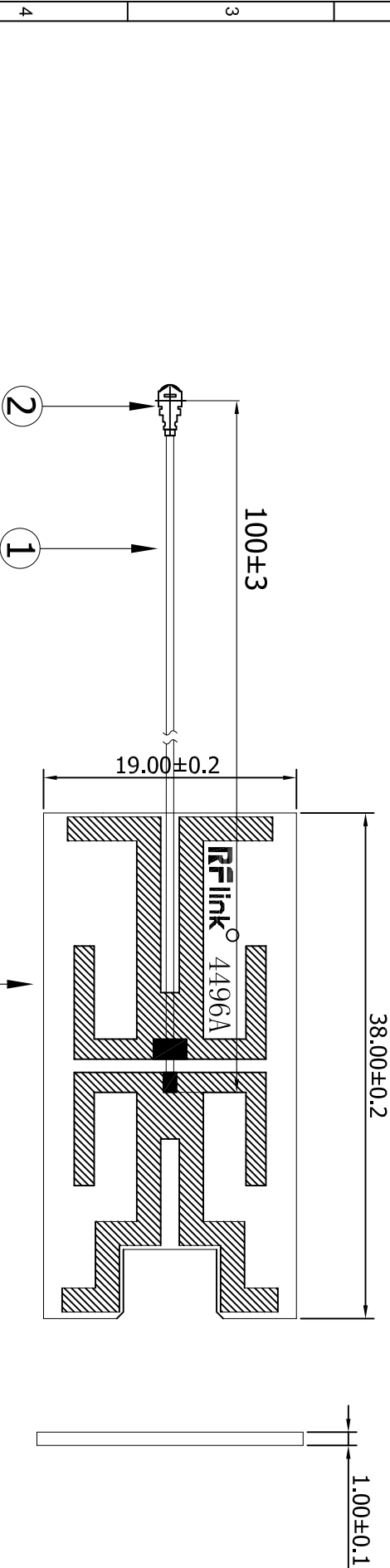
公司地址：东莞市塘厦镇清湖头三坑工业区1号 电话：0769-38940168 传真：0769-39010966 网址：<http://rflink.net.cn>

二、Specifications table

产品主要技术参数
Main technical parameters of products

主要技术指标		Main technical specifications	
频率范围 (MHZ)	2400-2500 5150-5850	Frequency Range (MHZ)	2400-2500 5150-5850
特性阻抗(Ω)	50	Impedance(Ω)	50
增益(dBi)	3	Peak Gain(dBi)	3
输出电压 驻波比	≤ 2.0	VSWR	≤ 2.0
极化方式	交叉极化	Polarization	Cross
方向性	全向性	Radiation	Omni-directional
连接方式	端子	Connector Type	Copper
物理性能		Physical Properties	
天线外套材料	PCB	Antenna cover	FR-4
工作温度	-20℃~+70℃	Operating Temp	-20℃~+70℃
保存温度	-20℃~+70℃	Storage Temp	-20℃~+70℃

REV	DATE	DESCRIPTION	Change the code
A	2025-03-04	NEW ISSUE	



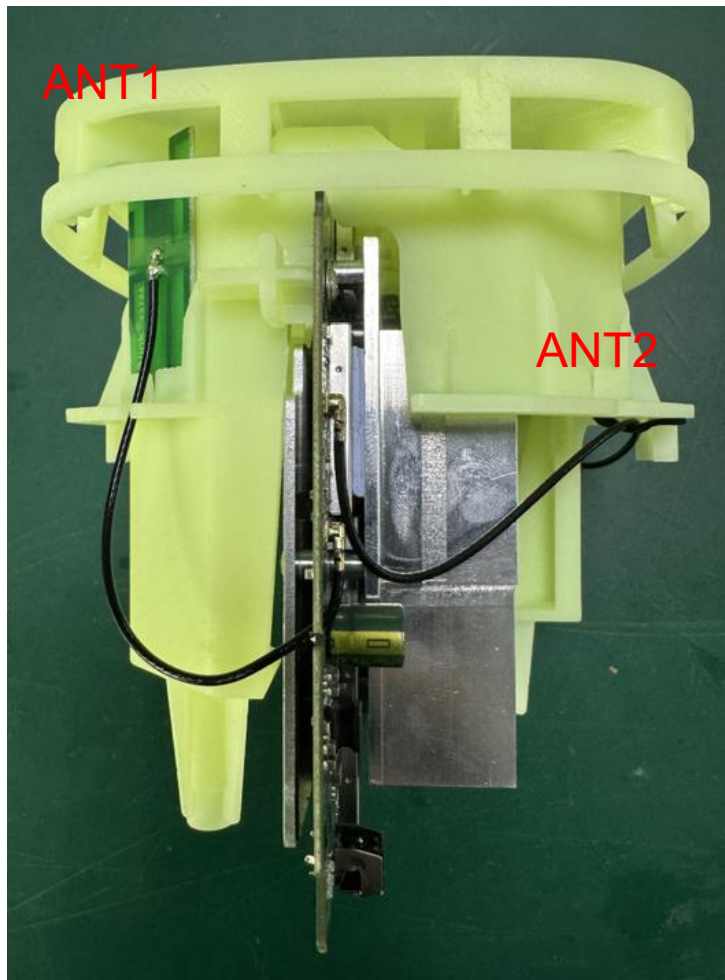
规格Specification:
频率Frequency Range:2.4~2.5GHz5.15~5.85GHz

VSWR:2.0max

A		B		C		D		E		F		G	
1		2		3		4		5		6		7	
3		1		FR-4:		APPROVED		COSTOMER:		RF link		东莞市仁丰电子科技有限公司	
2		1		Copper; 国产一代端子		CHECKED		PART NO :		PARTNAME :		RenFeng Electronic technology	
1		1		φ1.37黑色低损线;		R.F P/NO :		UNIT		SCALE		SIZE	
NO.		QTY		REMARK		DRAWING		REV		SHEET		SHEET	
带公差尺寸为检验尺寸						角度		mm		1:1		A4	
产品符合环保RoHS2.0之要求						315℃±0.35		10F1		10F1		10F1	
A		B		C		D		E		F		G	

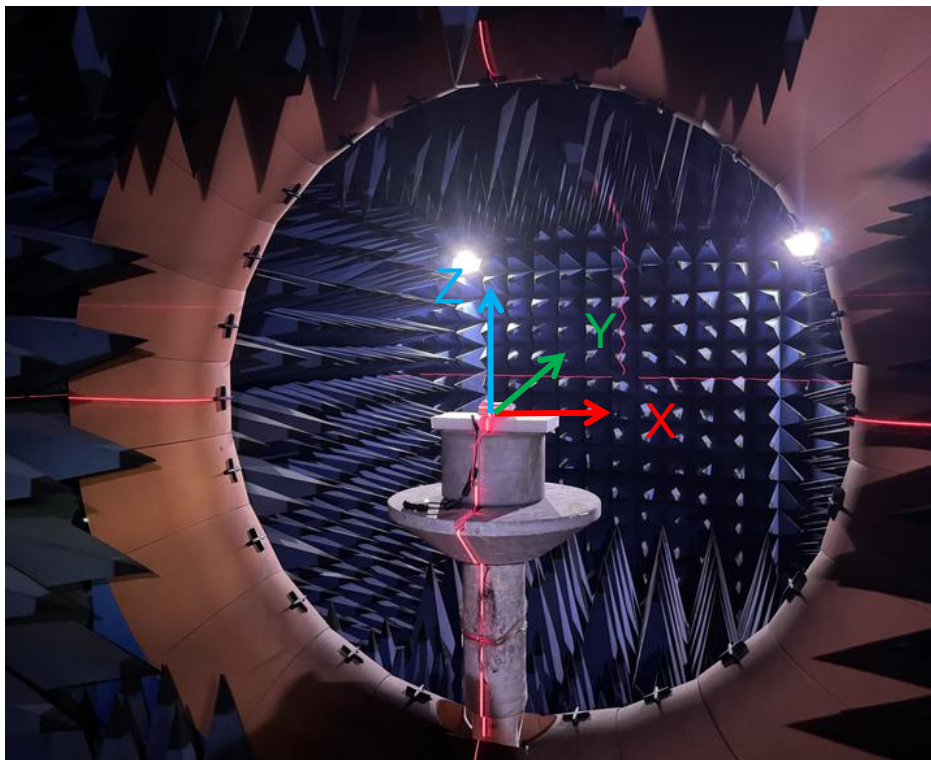
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◆ 基本信息（Project information）



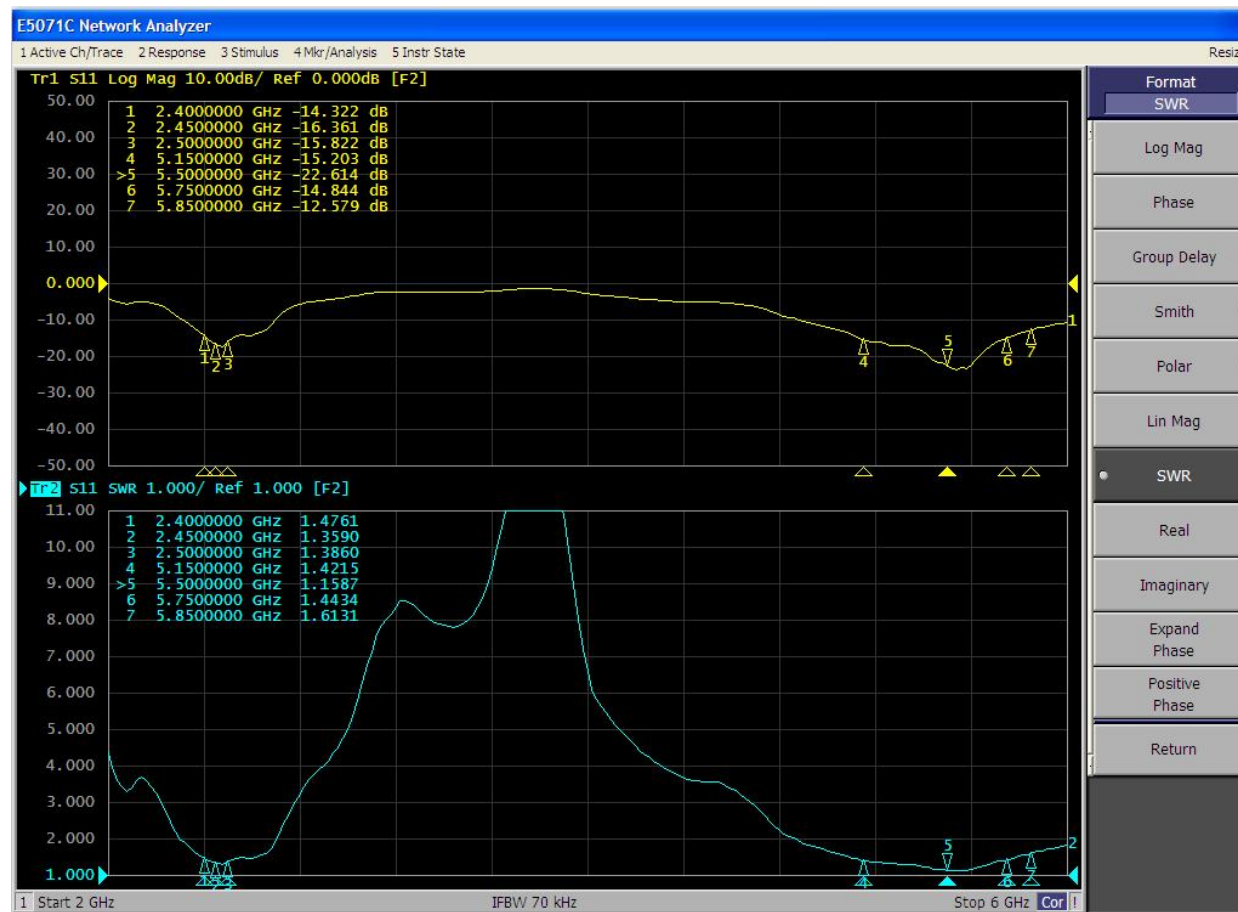
一、项目信息

◆ 基本信息（Project information）



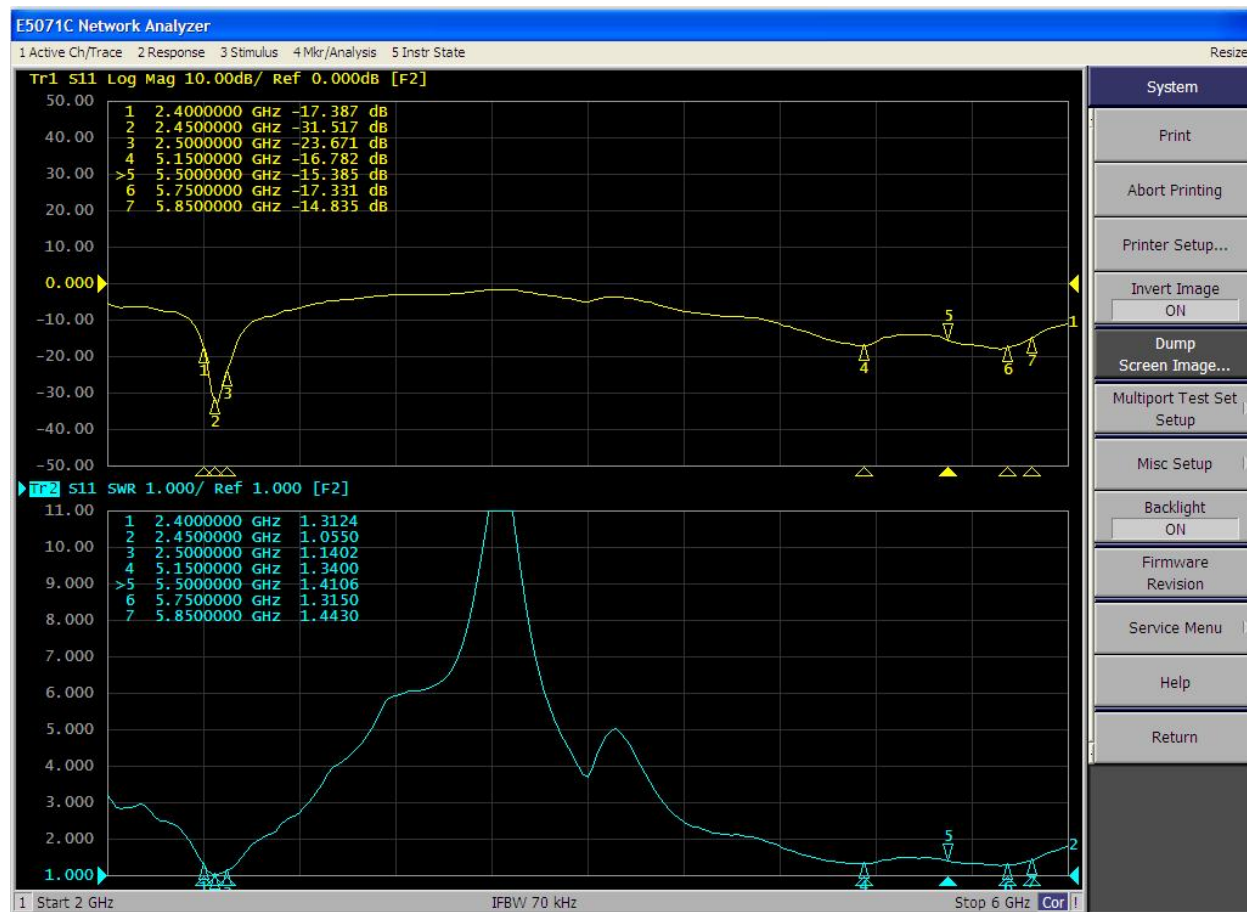
二、无源报告

◆ 反射参数S11-----ANT1



二、无源报告

◆ 反射参数S11-----ANT2



二、无源报告

◆ 辐射参数表 ANT1

频率 / MHz	效率/ %	增益/ dBi
2400	60.53	4.5
2410	60.53	4.31
2420	60.39	4.17
2430	61.52	4.12
2440	62.95	4.23
2450	63.97	4.24
2460	63.39	4.16
2470	64.71	4.24
2480	65.16	4.23
2490	66.07	4.35
2500	65.77	4.32

频率 / MHz	效率/ %	增益/ dBi
5150	66.99	2.45
5200	63.97	3.19
5250	67.14	4.12
5300	64.86	3.27
5350	66.53	3.95
5400	66.22	3.56
5450	63.83	3.54
5500	67.14	4.15
5550	65.31	3.7
5600	63.53	3.54
5650	63.1	3.55
5700	61.8	3.62
5750	61.38	3.6
5800	59.02	3.15
5850	57.68	3.25

二、无源报告

◆ 辐射参数表 ANT2

频率 / MHz	效率/ %	增益/ dBi
2400	58.34	4.25
2410	59.84	4.37
2420	60.67	4.44
2430	60.53	4.46
2440	61.38	4.46
2450	61.66	4.41
2460	61.24	4.26
2470	61.52	4.11
2480	60.95	3.93
2490	61.38	4.24
2500	60.67	4.42

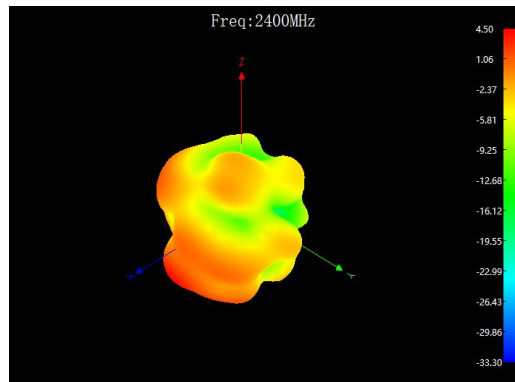
频率 / MHz	效率/ %	增益/ dBi
5150	65.28	3.18
5200	66.99	3.34
5250	69.66	3.67
5300	68.23	3.03
5350	69.34	2.62
5400	67.45	2.54
5450	65.16	2.64
5500	68.55	2.82
5550	66.53	2.23
5600	64.12	2.08
5650	63.97	2.12
5700	63.68	2.05
5750	63.83	2.39
5800	62.95	2.92
5850	62.66	2.97

二、无源报告

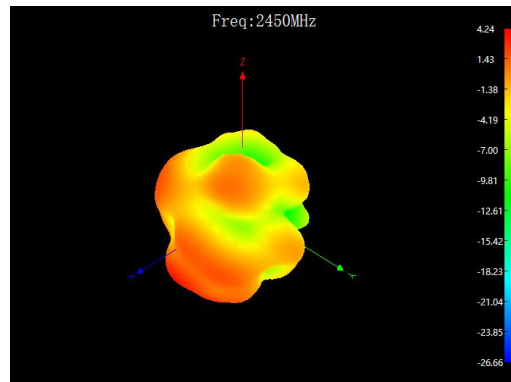
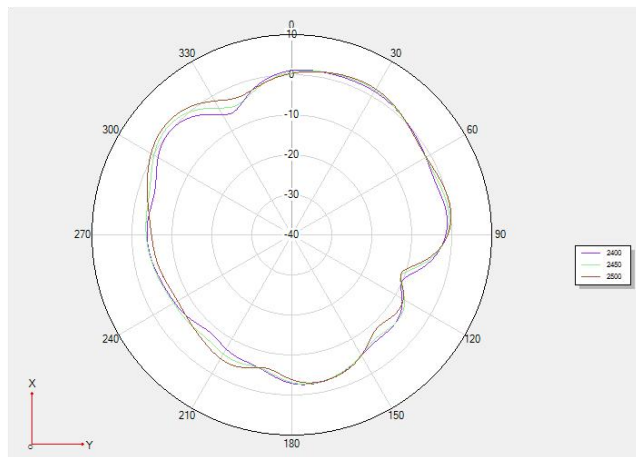
◆ 辐射方向图

ANT1-2.4G

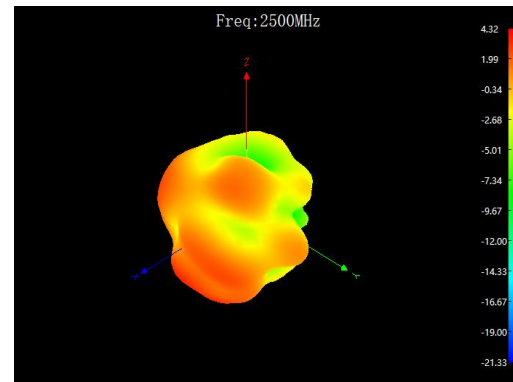
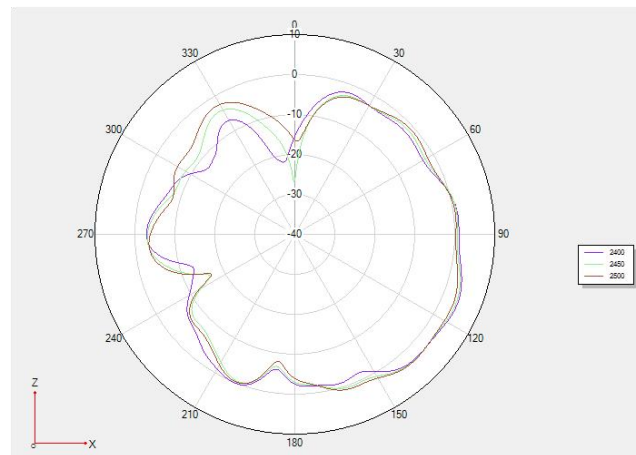
3D方向图



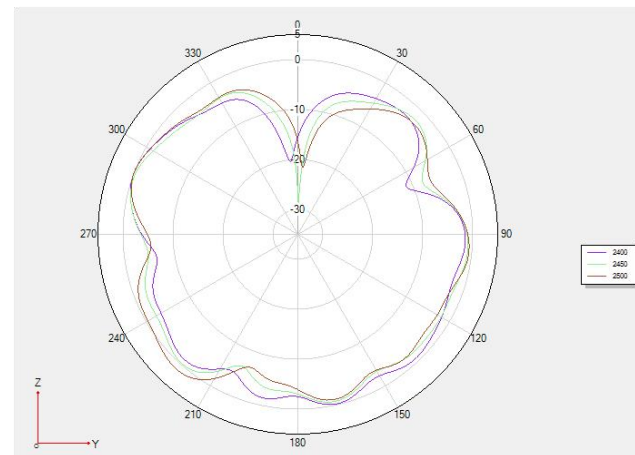
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E1面-PHI=0



E2面-PHI=90

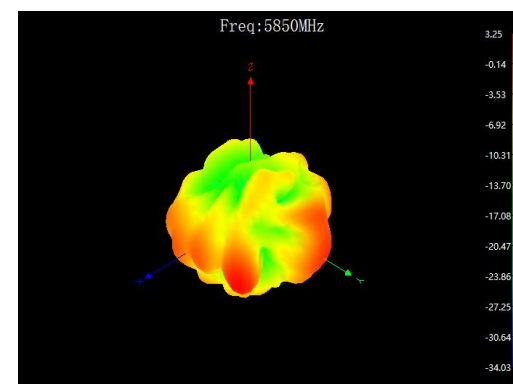
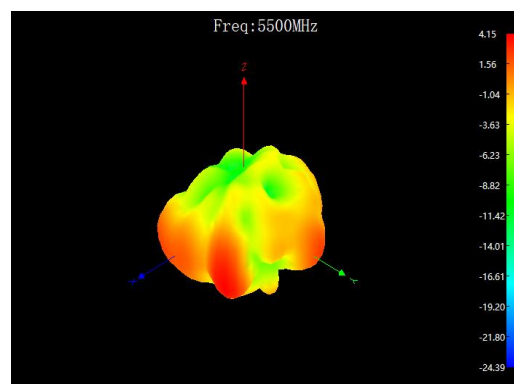
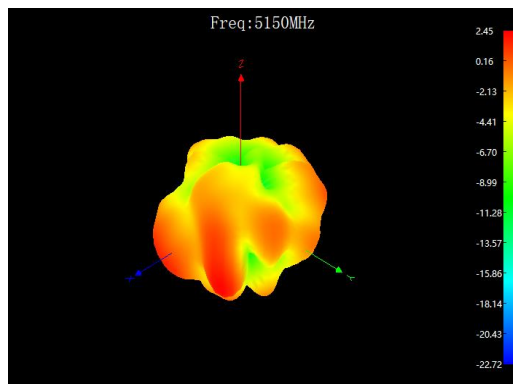


二、无源报告

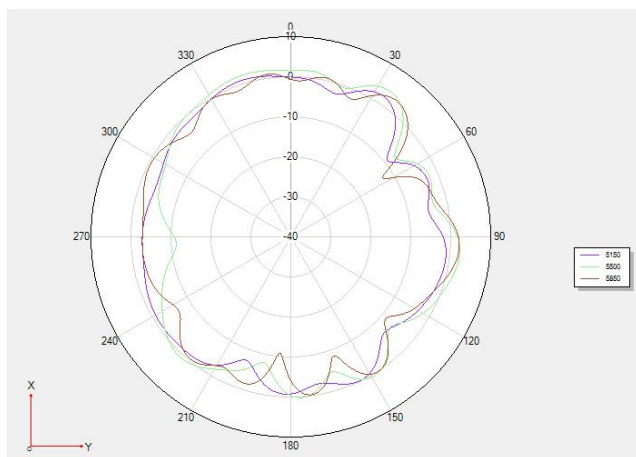
◆ 辐射方向图

ANT1-5G

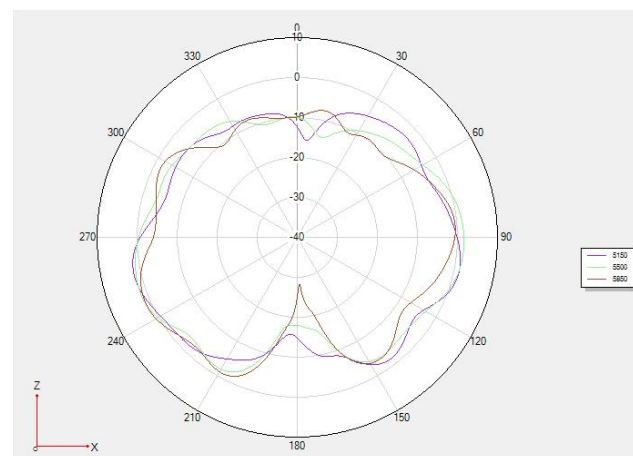
3D方向图



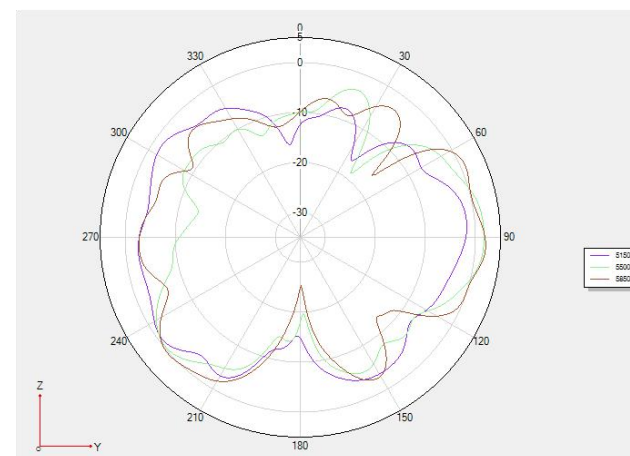
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E1面-PHI=0



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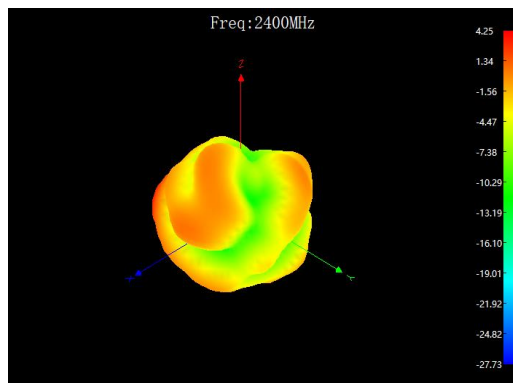


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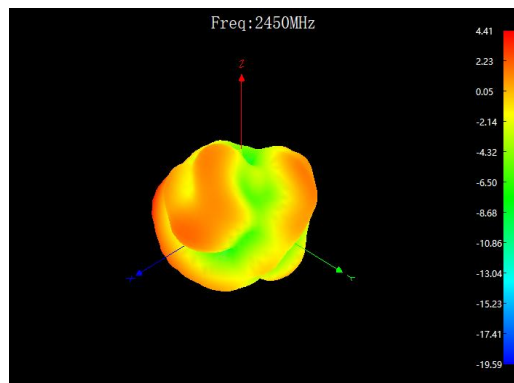
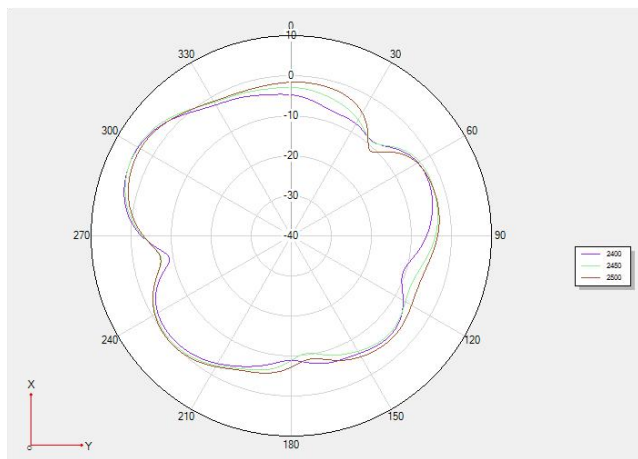
◆ 辐射方向图

ANT2-2.4G

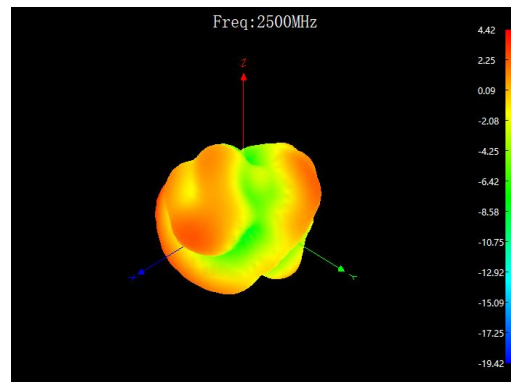
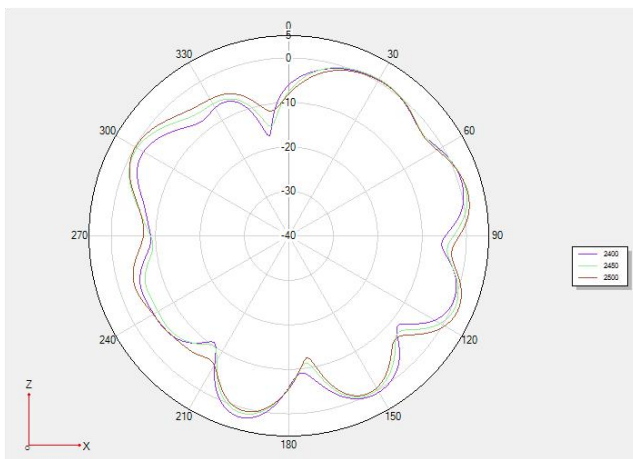
3D方向图



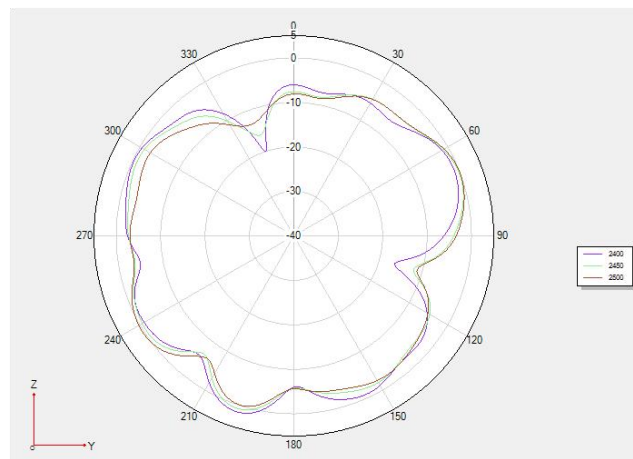
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E1面-PHI=0



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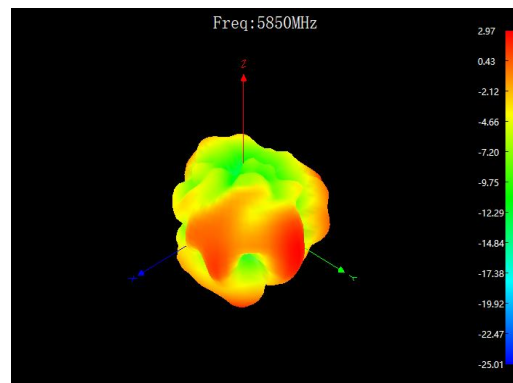
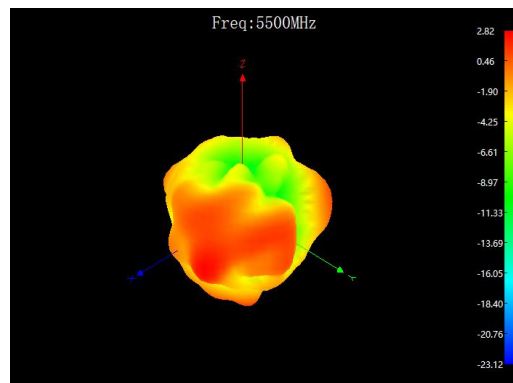
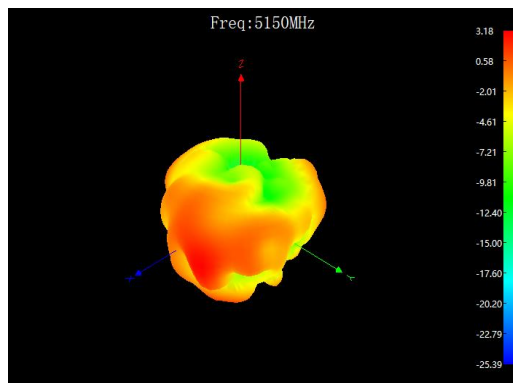


二、无源报告

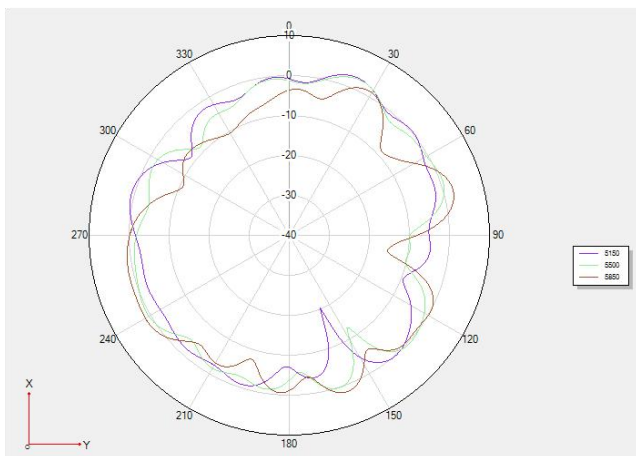
◆ 辐射方向图

ANT2-5G

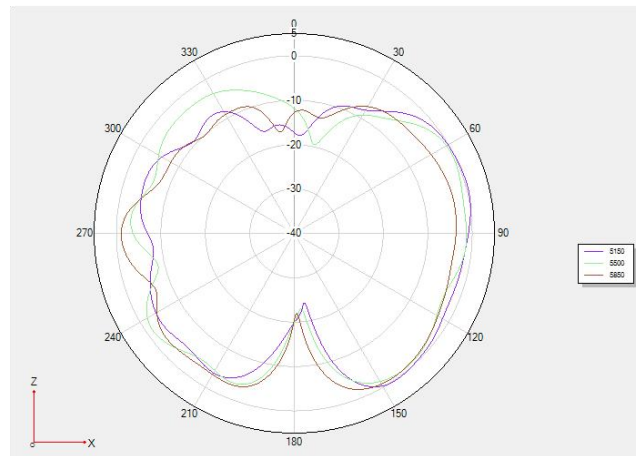
3D方向图



H面-THET=90



E1面-PHI=0



E2面-PHI=90

