



Shenzhen Daze Wireless Technology Co., Ltd

深圳市大泽无线技术有限公司

specification

{产品规格书}

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, Baoyuan Community, Shiyan Subdistrict, Bao'an District, Shenzhen

规格描述

Specification description

客户名称 (Customer Name)	/	
客户产品编码 (Customer product code)	R03L	
产品名称 (product name)	WIFI 天线	
产品型号 (product model)	/	
产品编码 (product code)	DZ161F438	
产品规格 (product standard)	WIFI 双频天线(黑色 FPC)，带泡棉胶，满足 ROHS2.0	
拟制日期 (date)	2025. 7. 29	
版 本 (edition)	V1.0	
我司栏 Division column		
拟制 prepared by	审核 audit	批准 ratify

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变更履历

change resume

版本 edition	日期 edition	变更描述 Design change description	备注 remark
1.0	2025.7.29	初版	

4 • 产品图片 product picture



6 • 产品规格 Product Specifications

无源电性能指标 Passive Electrical Specifications	
频率范围 Frequency Range (MHz)	2400-2500MHz/5150-5850MHz
输入阻抗 Input Impedence (Ω)	50 Ω
电压驻波比 VSWR	≤ 2
增益 Gain (dBi)	2400-2500MHz/5150-5850MHz ≤ 4 dBi
天线类型 Antenna Type	Internal Antenna
机械指标 Mechanical Specifications	
天线尺寸 Antenna Size (mm)	21.4*3.4
基材 base material	PI+电解铜
工作温度 Working Temperature ($^{\circ}$ C)	-20 $\sim$ +85 $^{\circ}$
颜色 Radome Color	黑色 Black
安装方式 Mounting Type	粘贴

7 • 测试环境 Test environment

网络分析仪：安捷伦 5071B

Network Analyzer: Agilent 5071 B

综合测试仪：R&SCMW500 (2/3/4G/NB-IoT/W/BT) ; AnritsuMT80000A

Comprehensive tester: R&S CMW500 (2/3/4G/NB-IoT/WIFI/BT); Anritsu 80000A

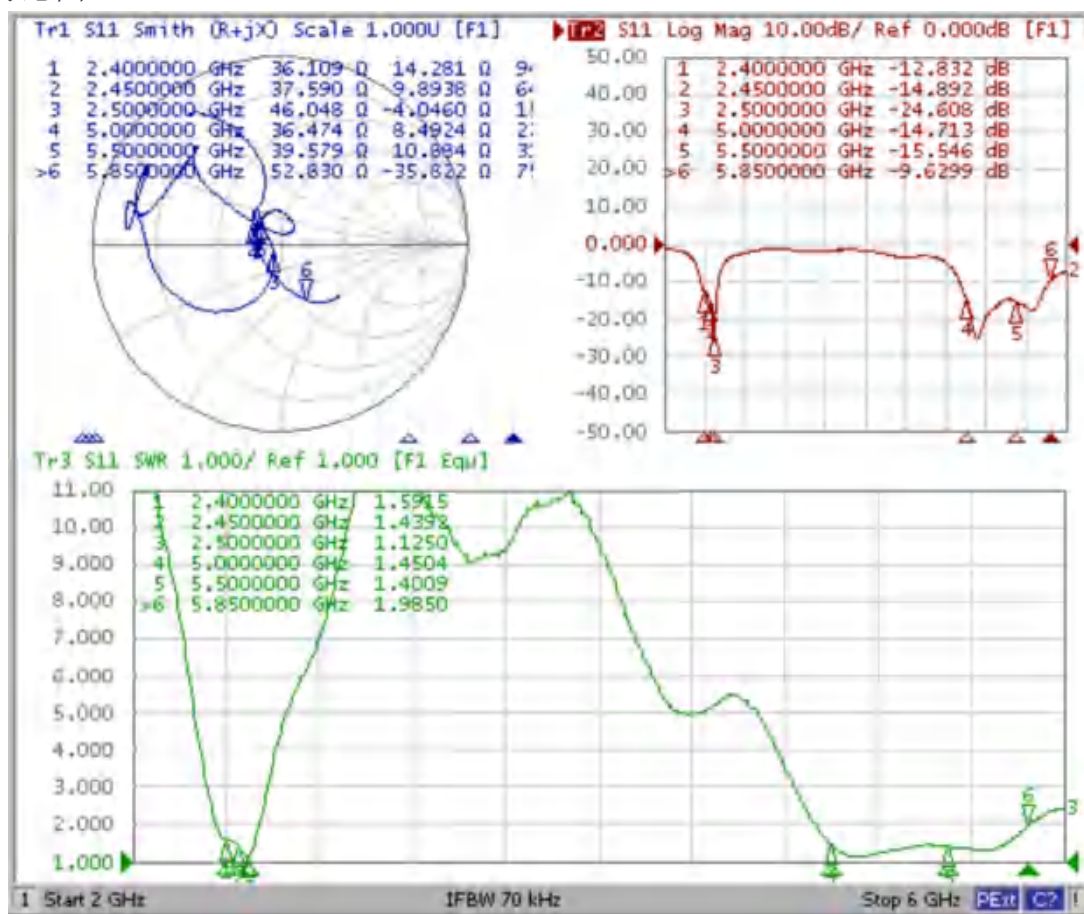
新益 SY-24L: 5G SISO/MIMO, 400 MHz - 8.5 GHz

Xin Yi SY-24L Chamber 5G (FR1) SISO/MIMO, 400 MHz - 8.5 GHz



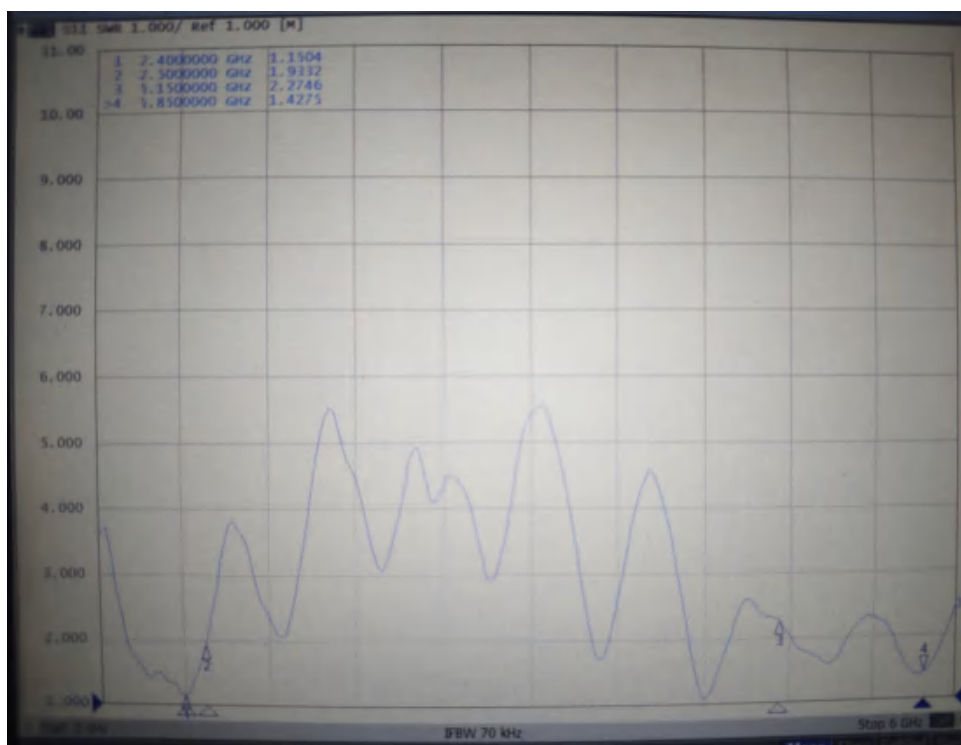
9 • 测试数据 Test data

9.1 驻波比图 VSWR



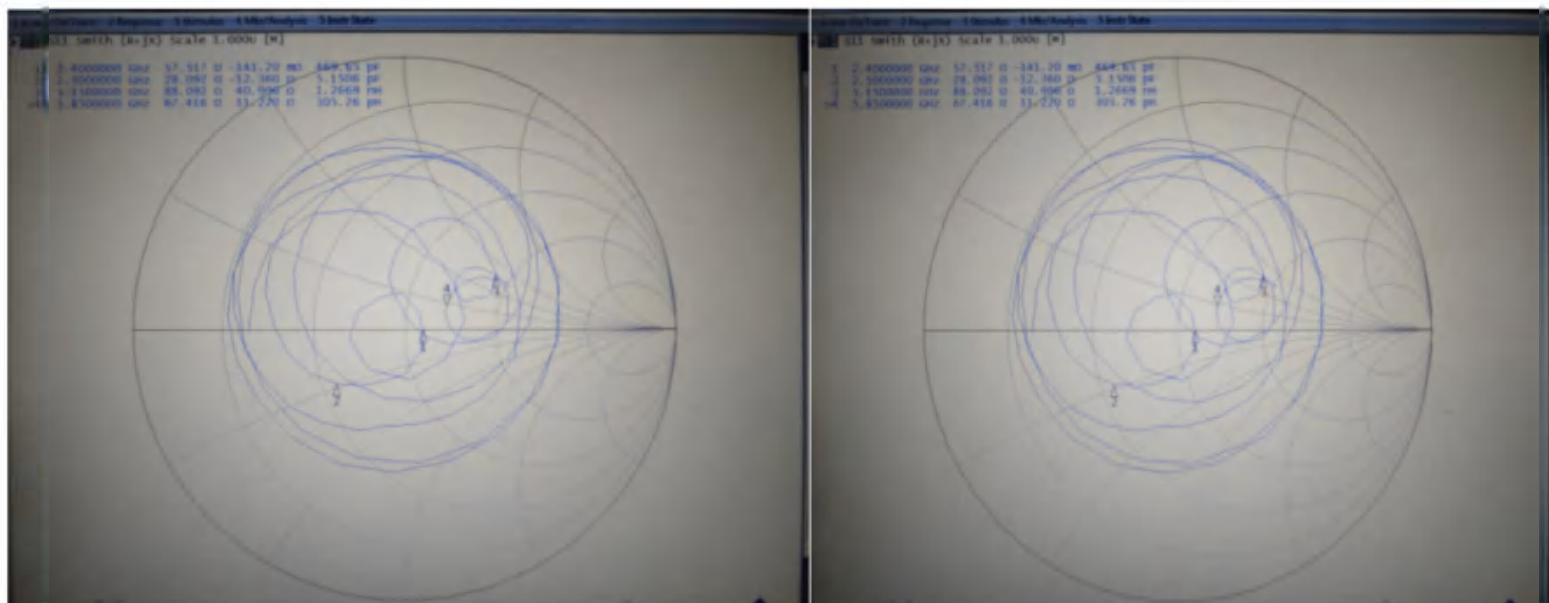
Frequency (MHz)	2400	2450	2500	5000	5500	5850
VSWR	1.59	1.43	1.12	1.45	1.4	1.98

9.2 效率 Efficiency



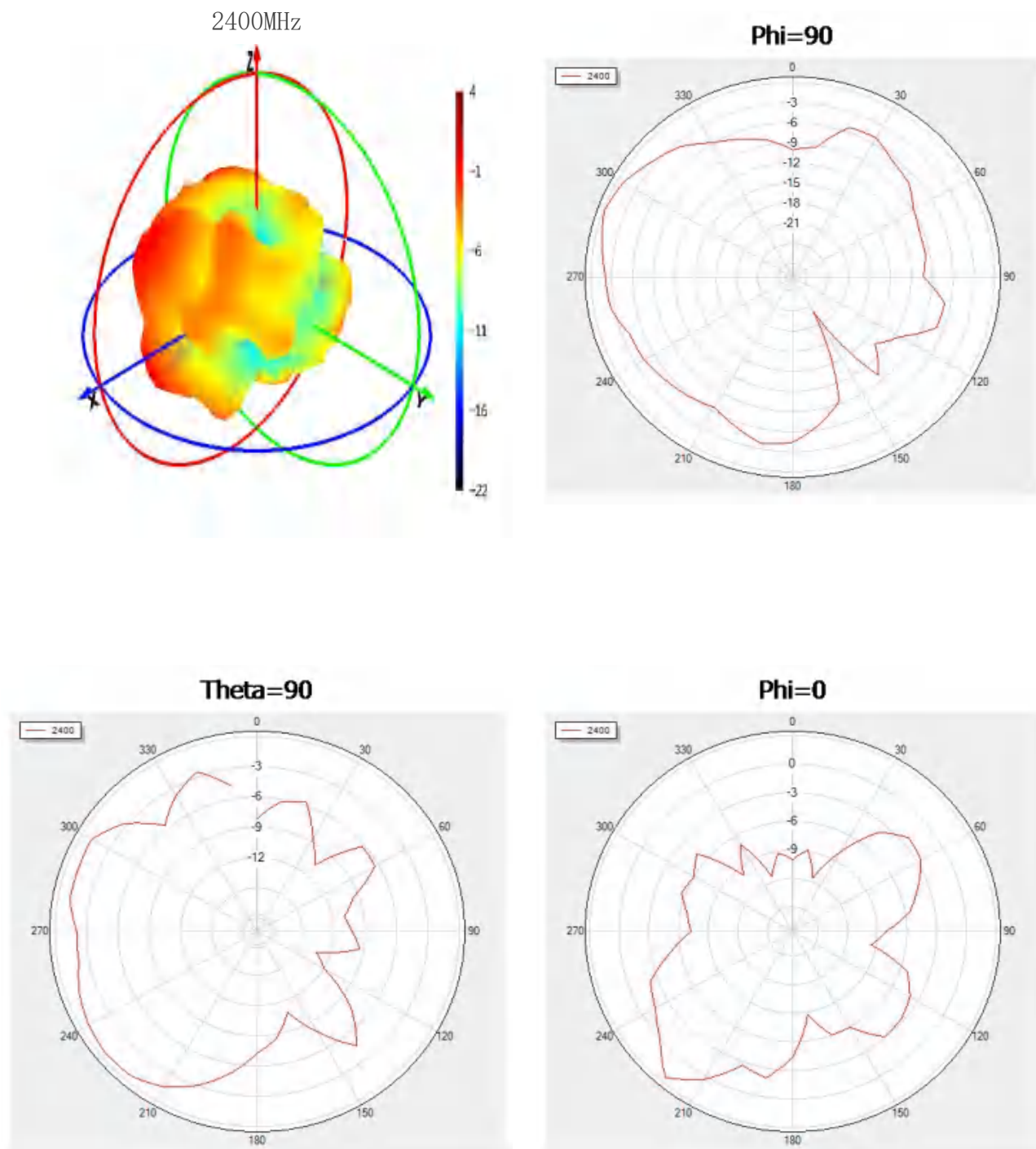
Frequency(MHz)	2400	2450	2500	5150	5450	5850
Efficiency(%)	50.28	48.27	48.83	40.43	50.61	41.76

9.3 增益 Gain

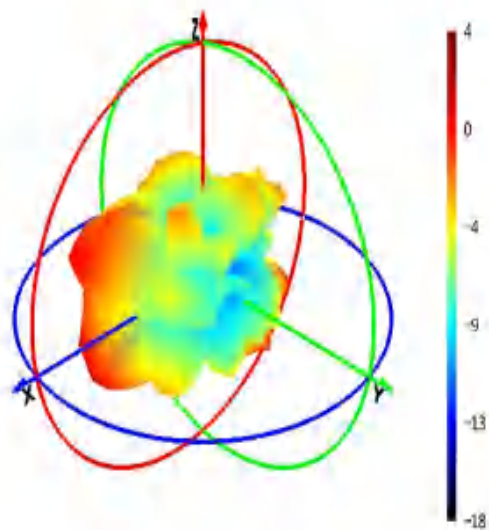


Frequency (MHz)	2400	2450	2500	5150	5550	5850
Gain	-1.5	-2.03	-2.66	-1.51	-1.51	-1.14

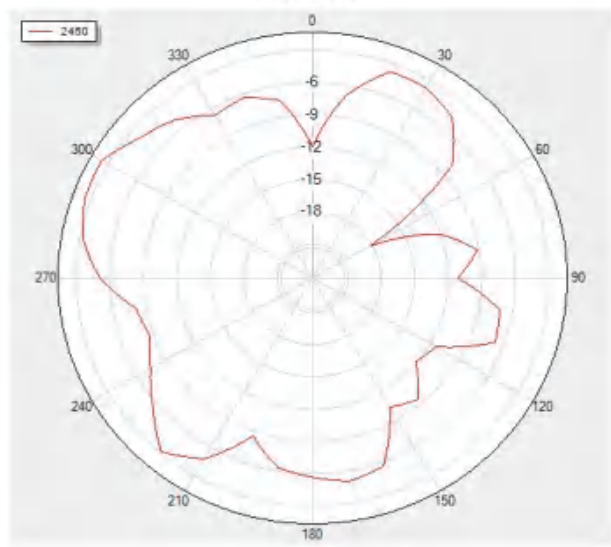
9.4 方向辐射图 Radiation Patterns



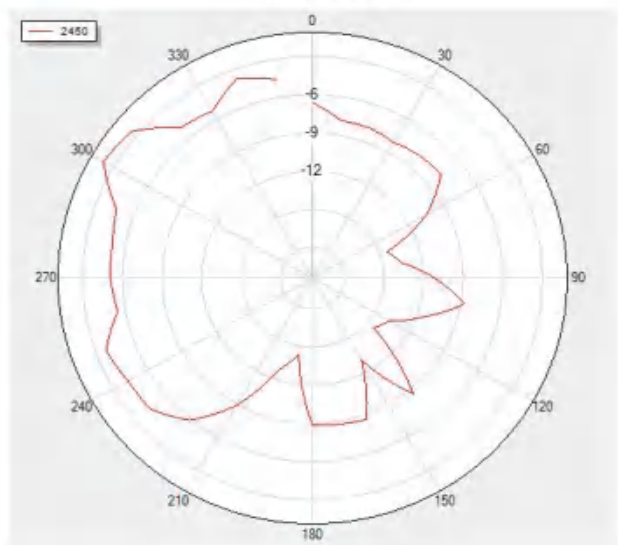
2450MHz



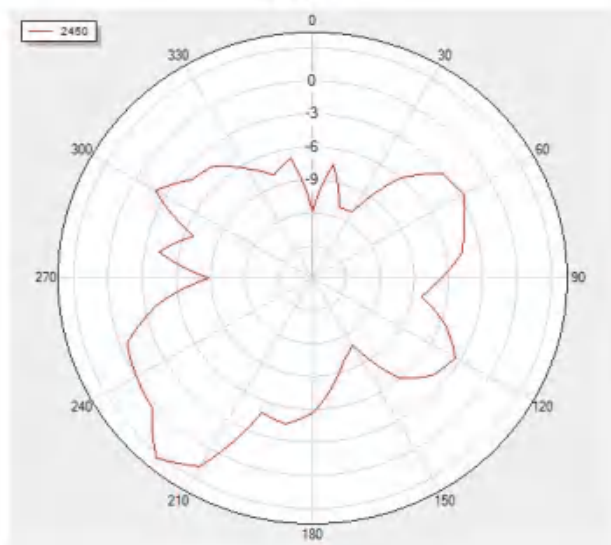
Phi=90



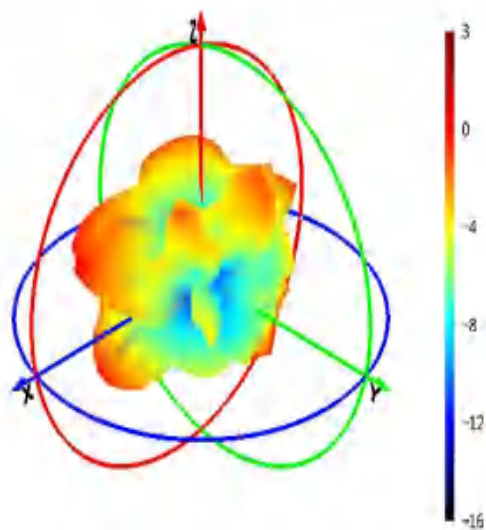
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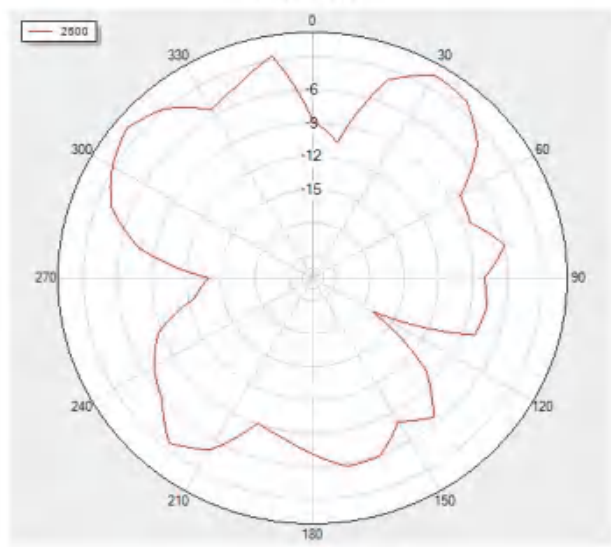
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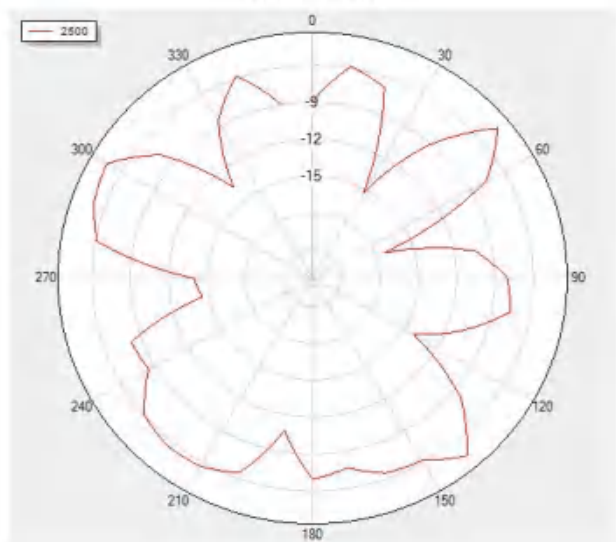
2500MHz



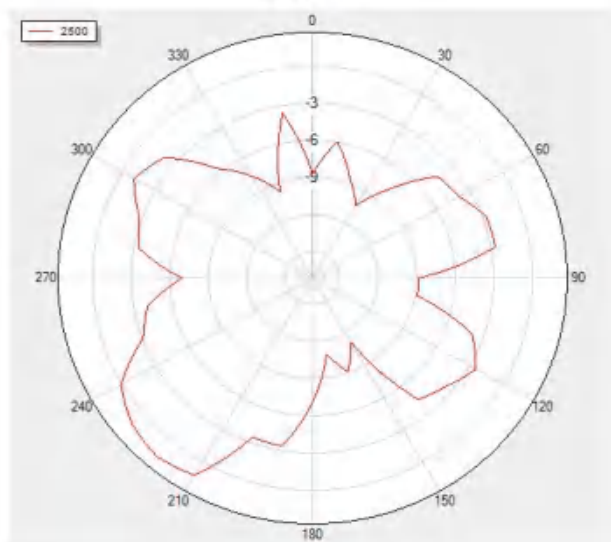
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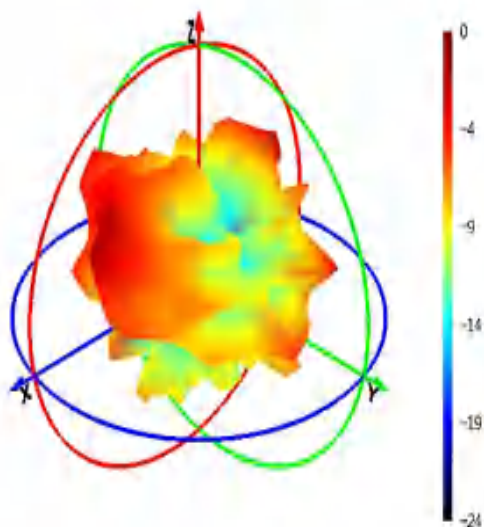
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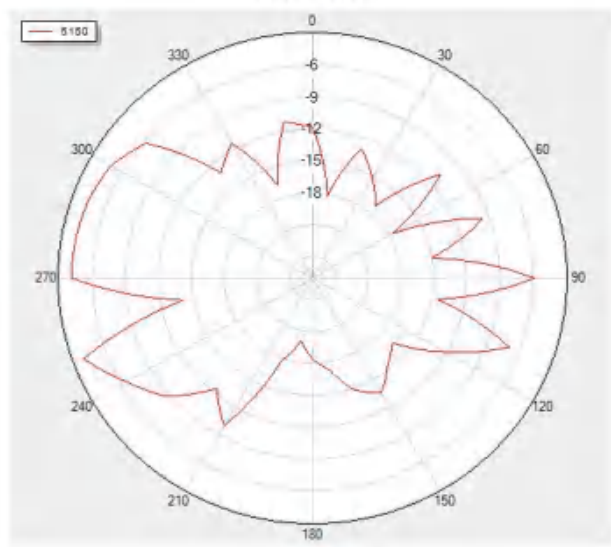
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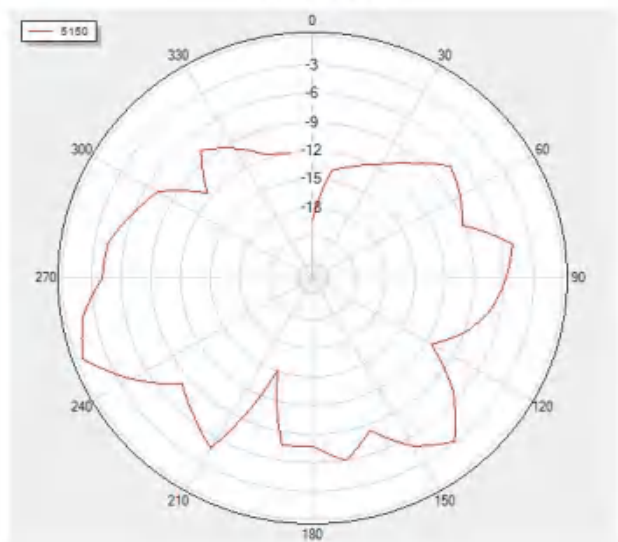
5150MHz



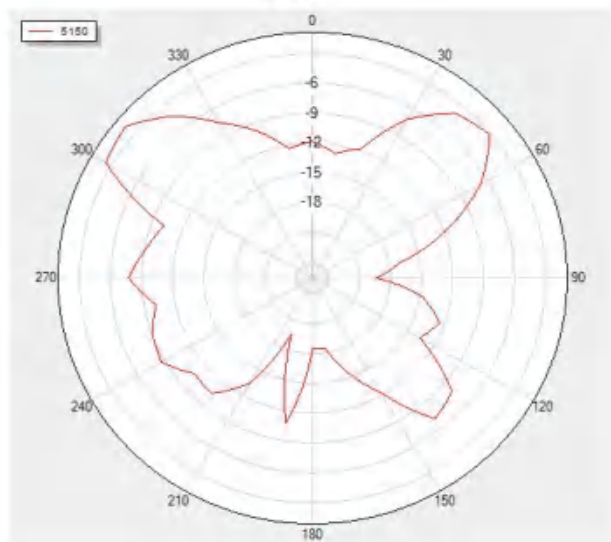
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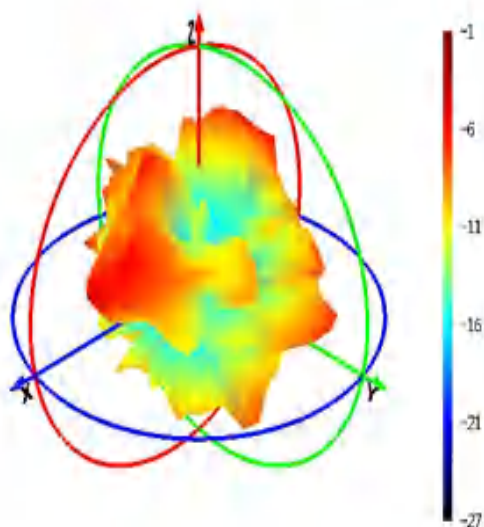
Theta=90



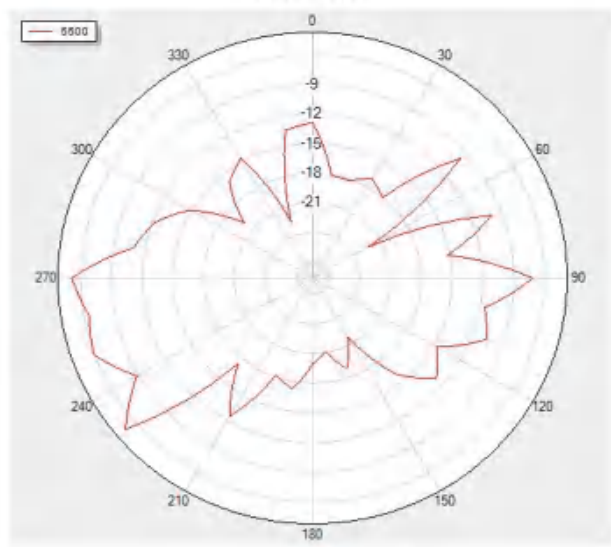
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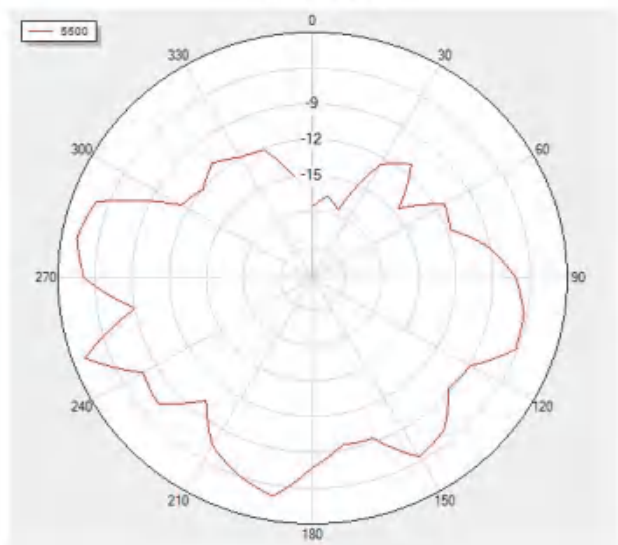
5500MHz



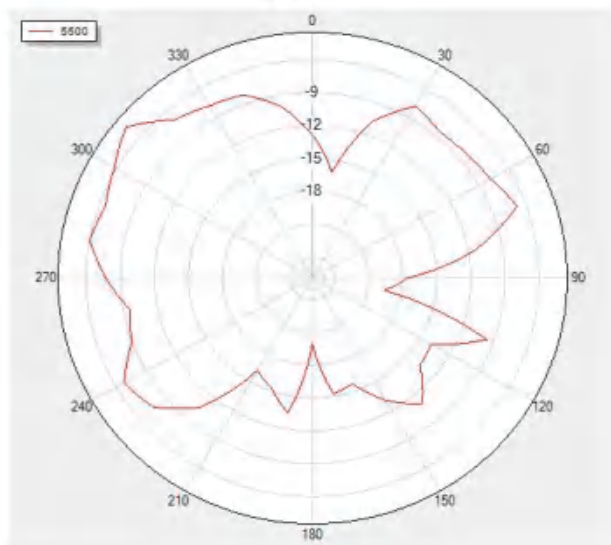
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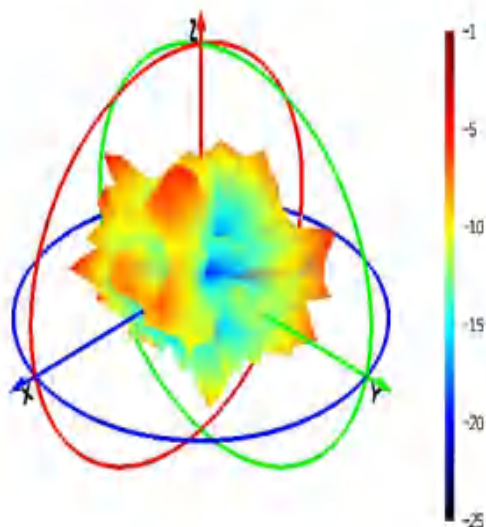
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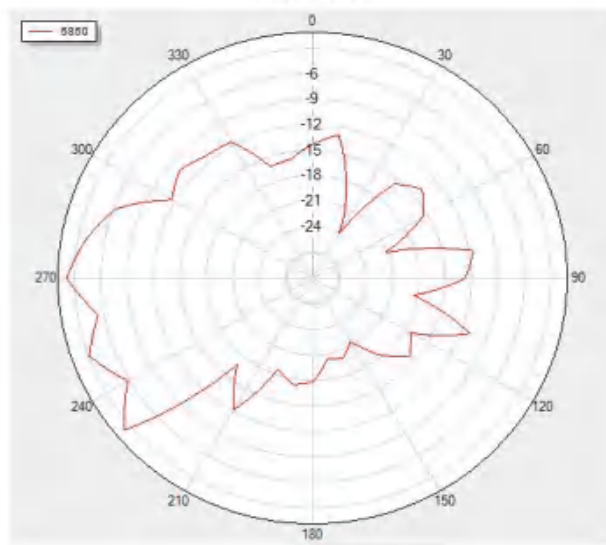
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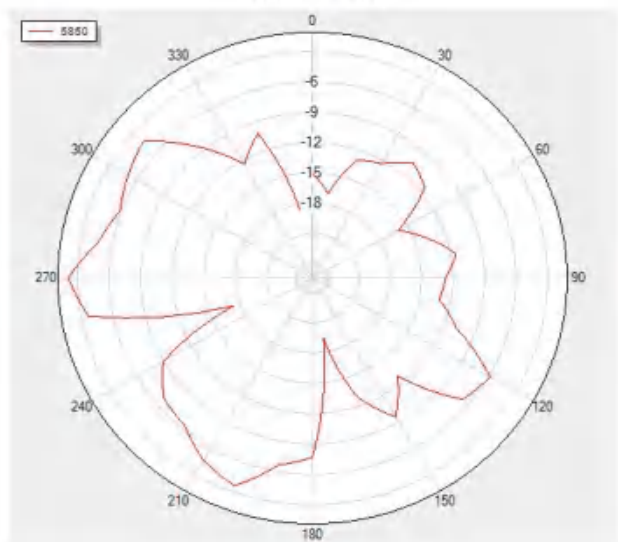
5850MHz



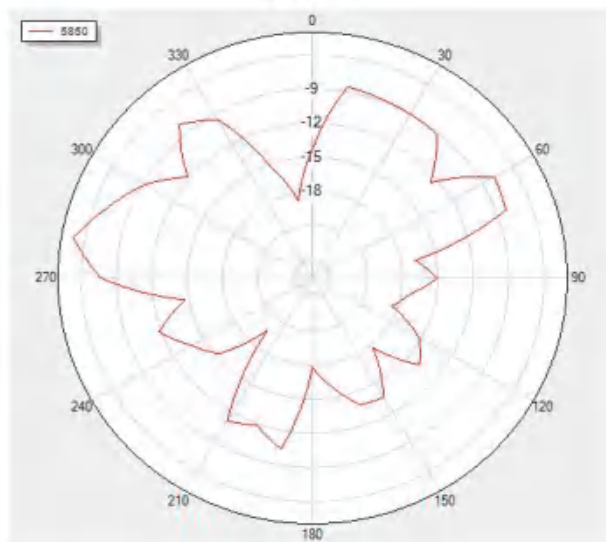
Phi=90



Theta=90



Phi=0



结束

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