

深圳市飞宇信电子有限公司

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天线测试报告

Antenna Test Report

Version: A





一、实验环境 (Experimental Environment)

1.1 天线测试系统 (Antenna test system)

测试系统 (System name)	Guang Ping
系统产地 (Country of origin)	China
综测仪 (Comprehensive test instrument)	CMW500
网络分析仪 (Network analyzer)	E5071B
环境温度 (Temperature)	25°C
环境湿度 (Humidity)	≤55%

1.2 测试系统图片 (Test System Picture)

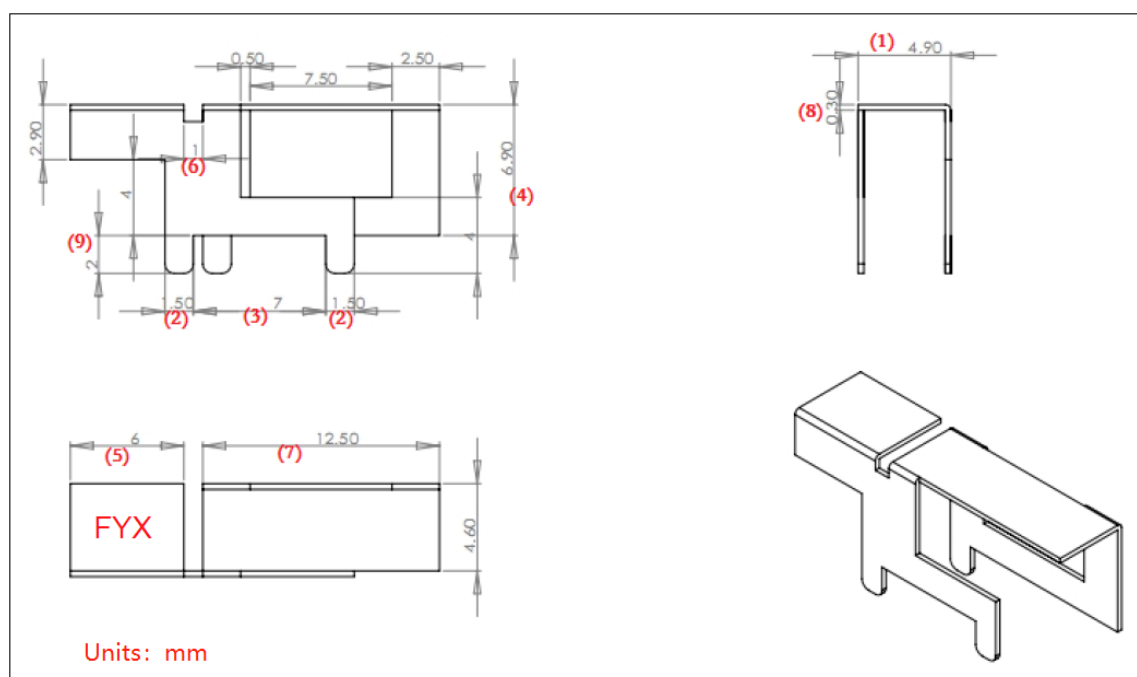




二、指标要求 (Target requirement)

指标要求 (Indicator requirements)	
制式 (Model) : WiFi	
频段 (Frequency) : 2400-2500MHz /5150-5850MHz	
驻波 (VSWR)	≤ 3.5
效率 (Efficiency)	$\geq 60\%$
峰值增益 Peak Gain(dBi)	2.4G: 1.5dBi / 5.8G: 3dBi
隔离度 Isolation (dB)	> 15
天线类型 Type	PIFA Antenna
辐射方向 Radiation Properties	全向 Omni-directional
最大输入功率 MaxInputPower(Watts)	5W
极化方式 Polarization	水平 horizontal
阻抗 Impedance (Ohms)	50Ω
工作温度 Operation Temperature	$-40^{\circ}\text{C} \sim 70^{\circ}\text{C}$
储存温度 Storage Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$
相对湿度 Relative Humidity	40% ~ 93%
环保认证 ROHS Compliant	通过 Yes

三、天线尺寸 (Antenna size)





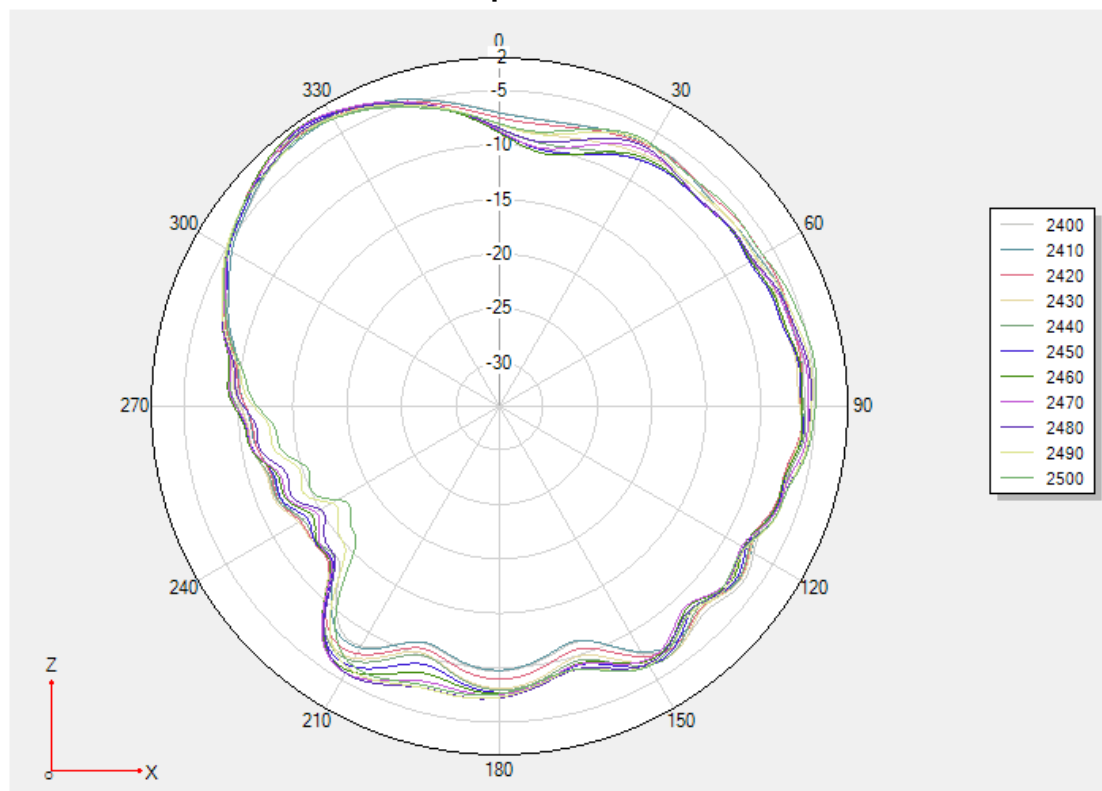
四、测试数据 (Test Data)

4.1 天线安装位置以及方式 (Where and how to install the antenna)



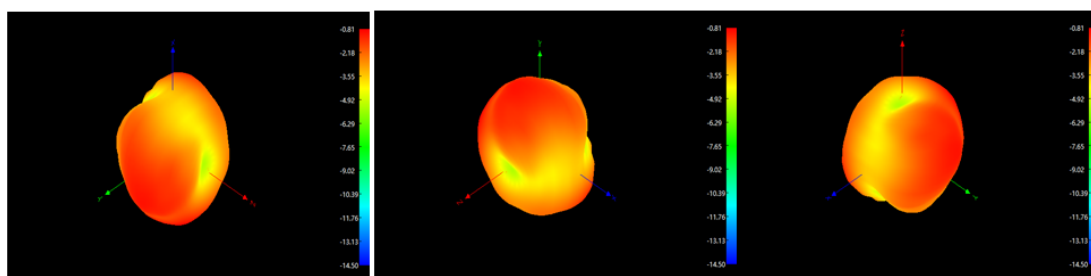
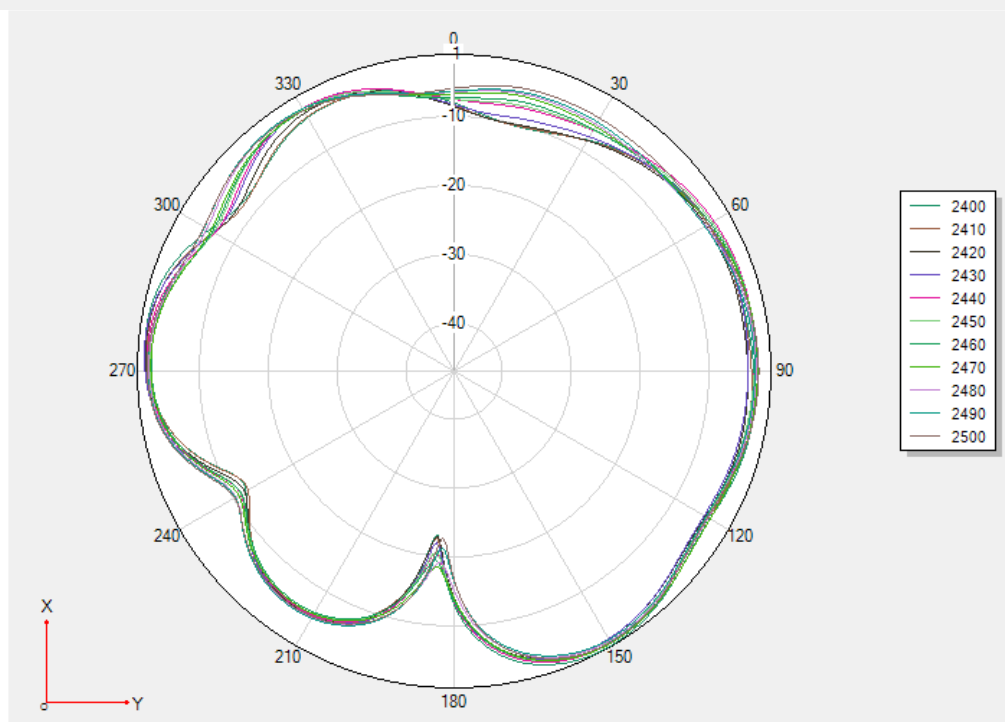
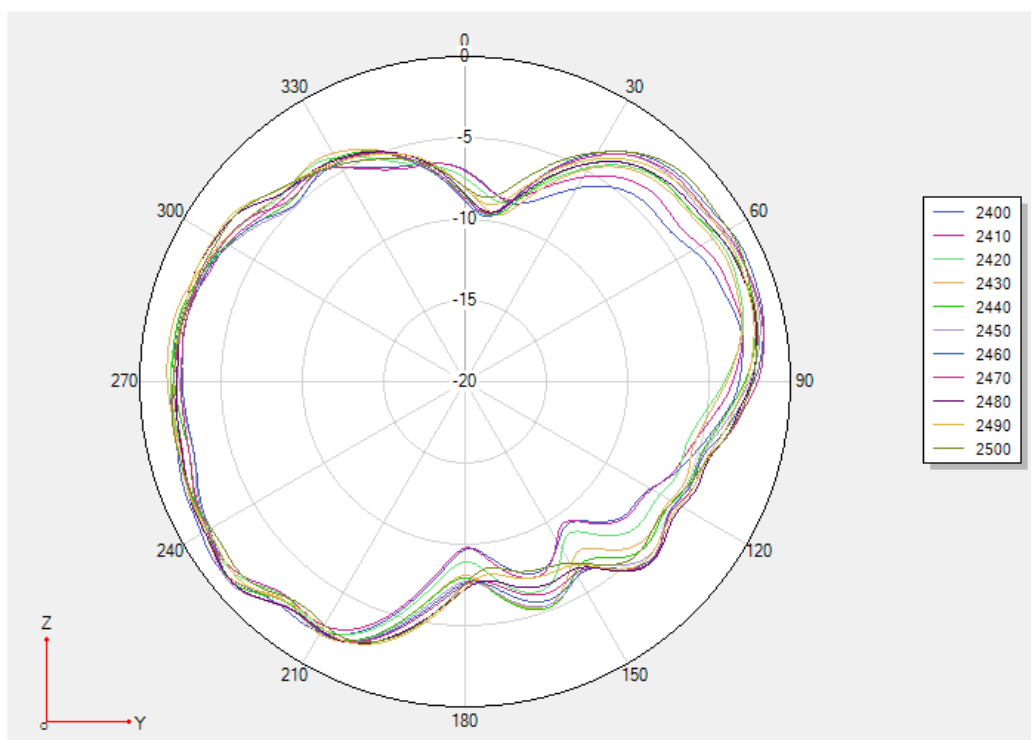
4.2 方向图 (Directional pattern)

2.4G 方向图 (2.4G directional map)



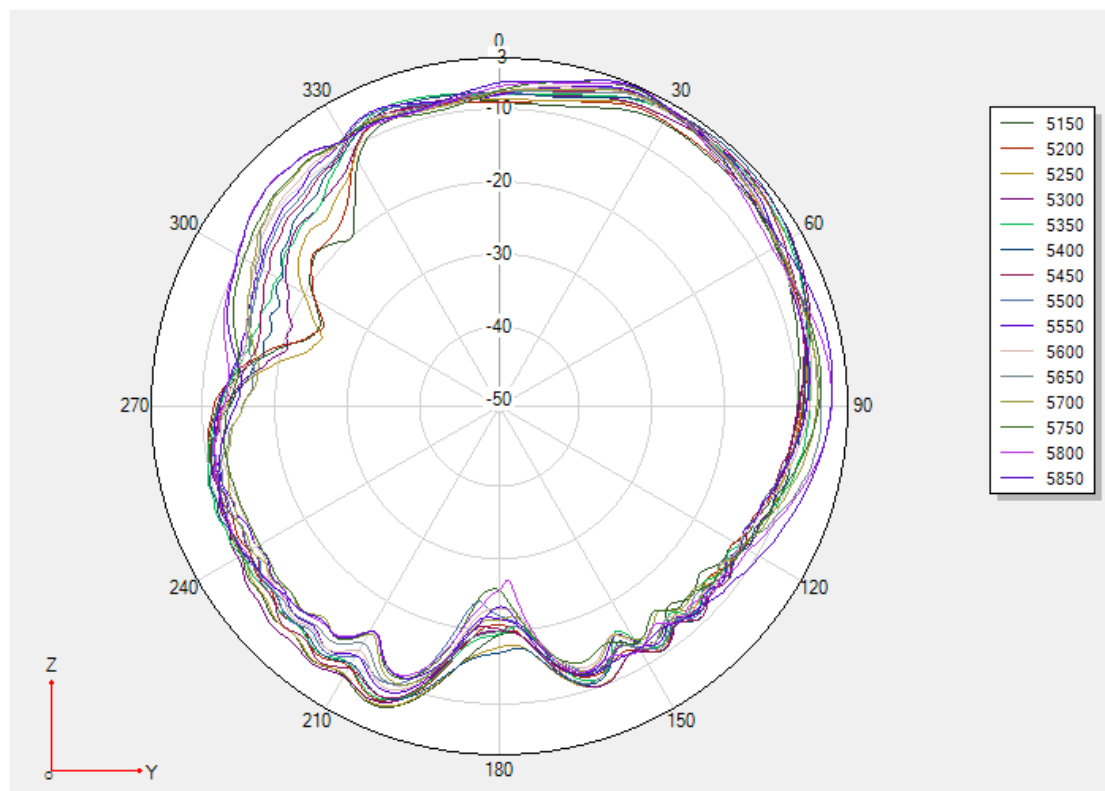
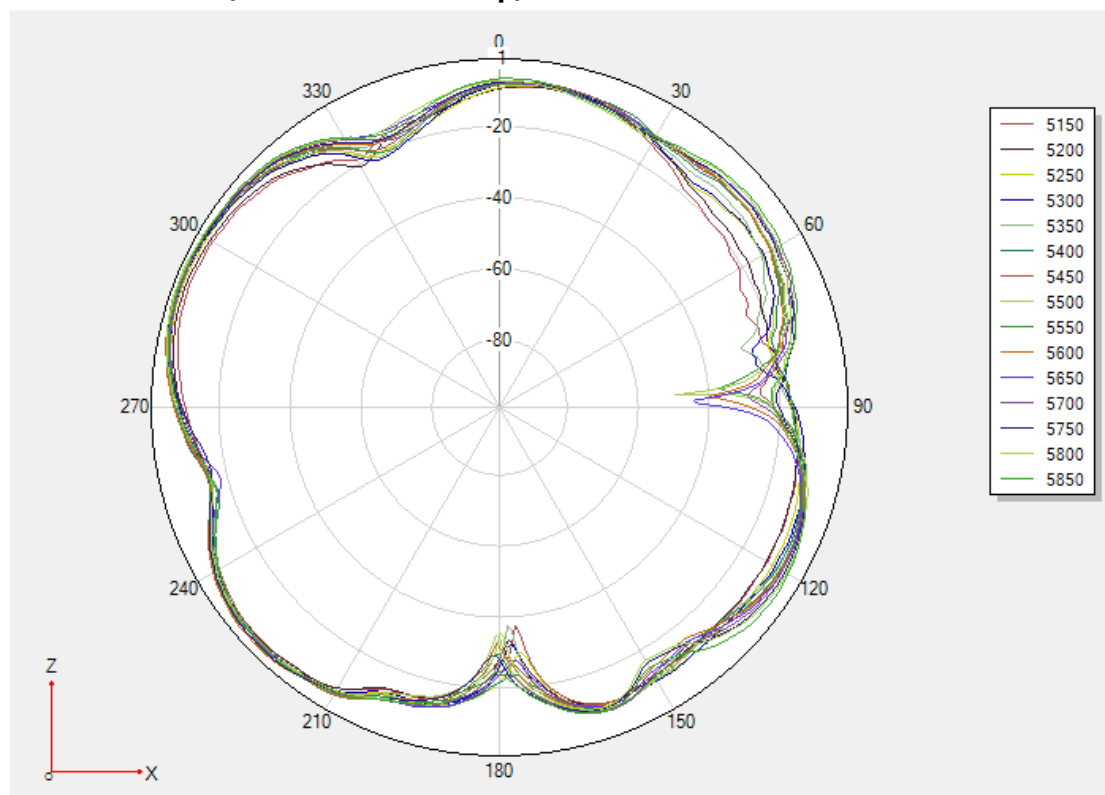


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5.8G 方向图 (5.8G directional map)





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