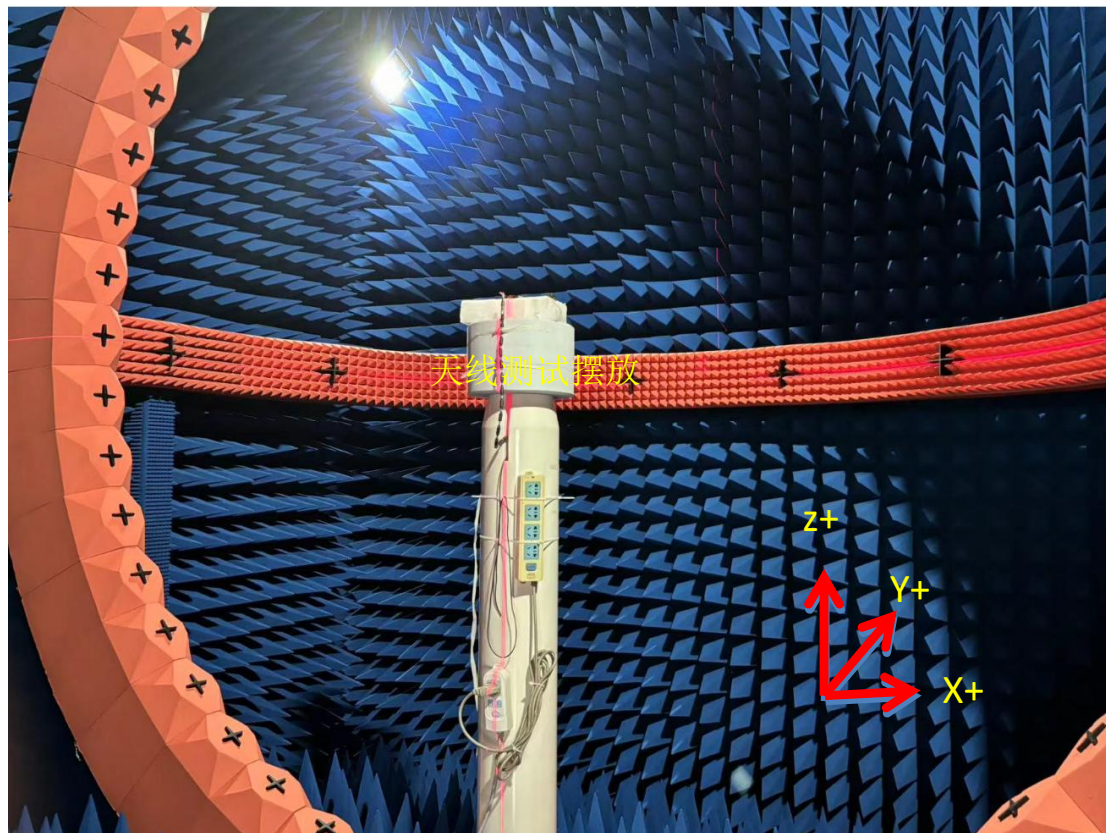


福贝特国际（香港）有限公司



测试场景

辐射方向图提供有关天线方向性和三维增益性能的信息
通过在三个正交平面上绘制特定频率的增益。天线辐射方向图如图所示

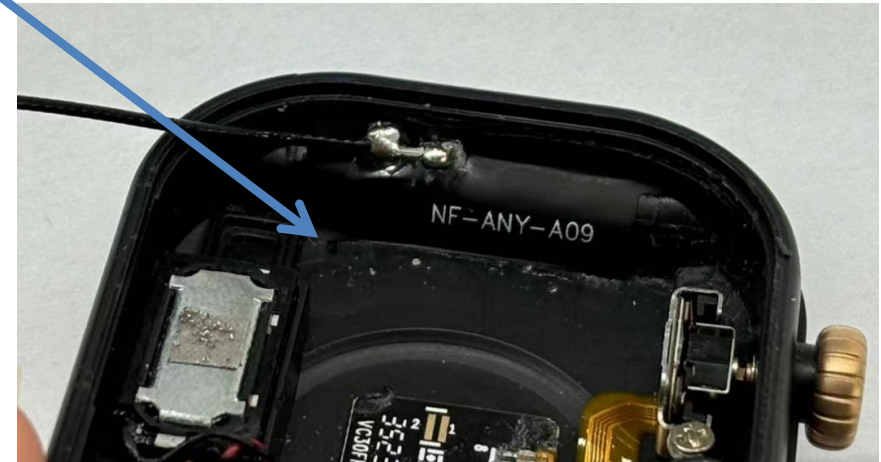
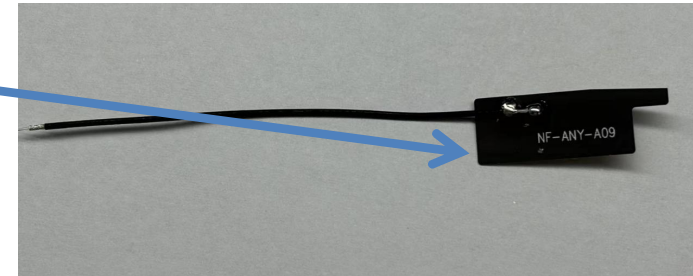


天线安装注意事项

天线安装位置



天线侧边对应安装在手表底框边



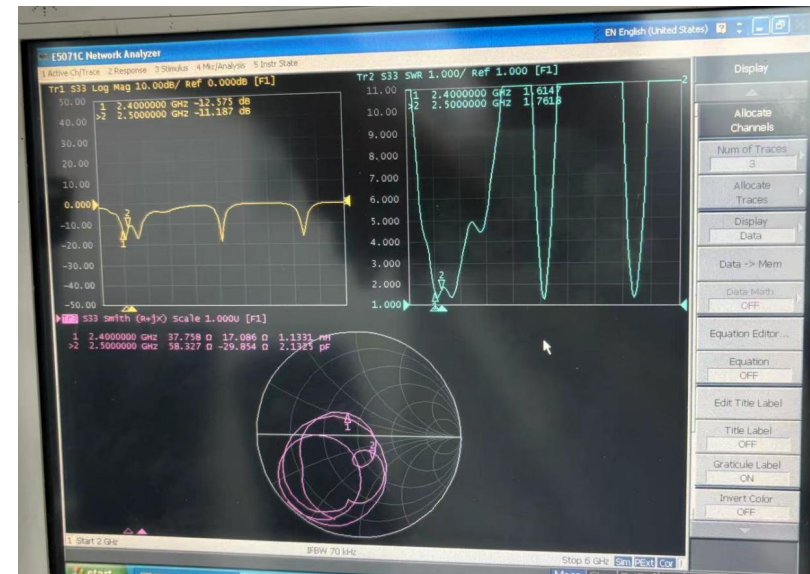
天线走线和主板接地如图所示

天线参数

天线匹配示意图

天线S11参数

天线无匹配

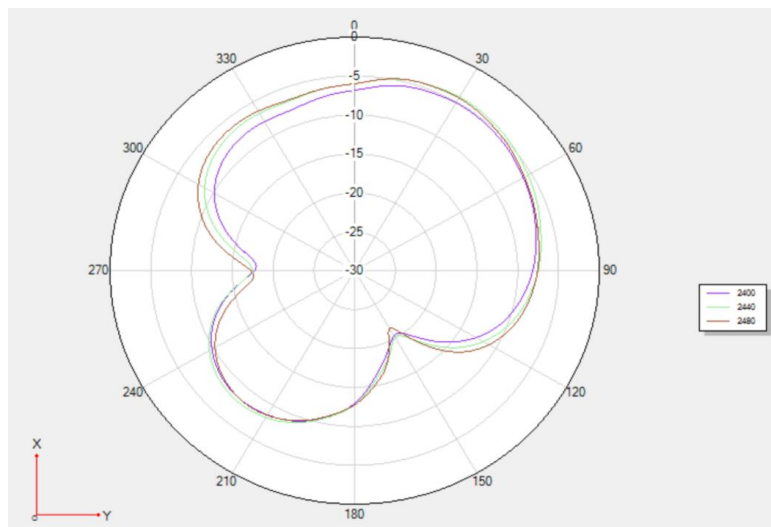
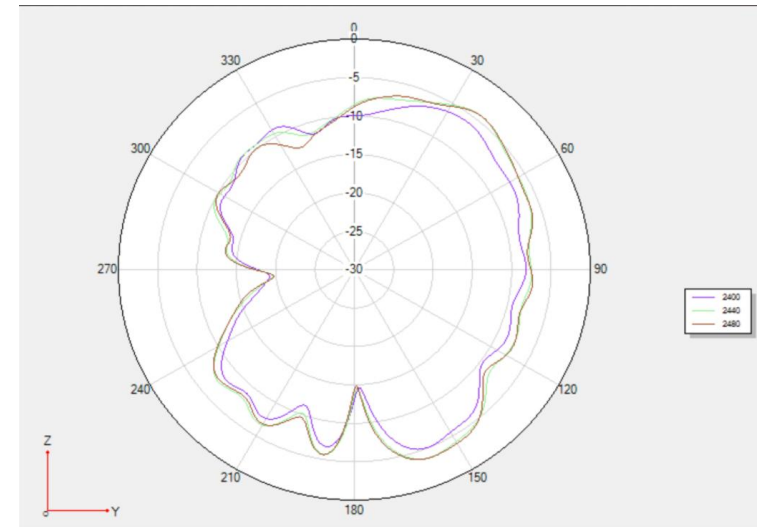
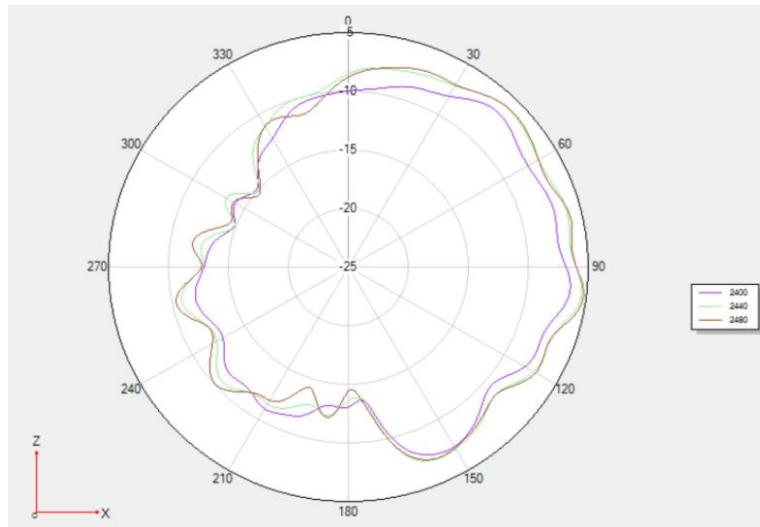


Freq	2.4GHz	2.5GHz	spce
VSWR	1.61	1.76	< 2
Log Mag	-12.57	-11.18	< -10

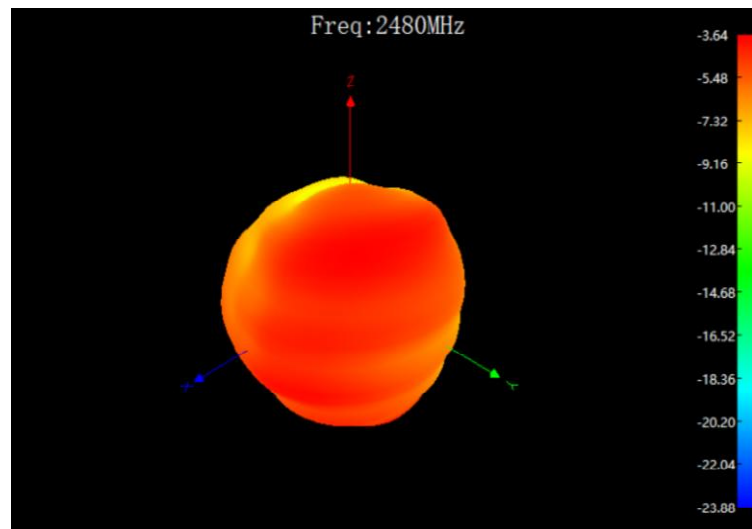
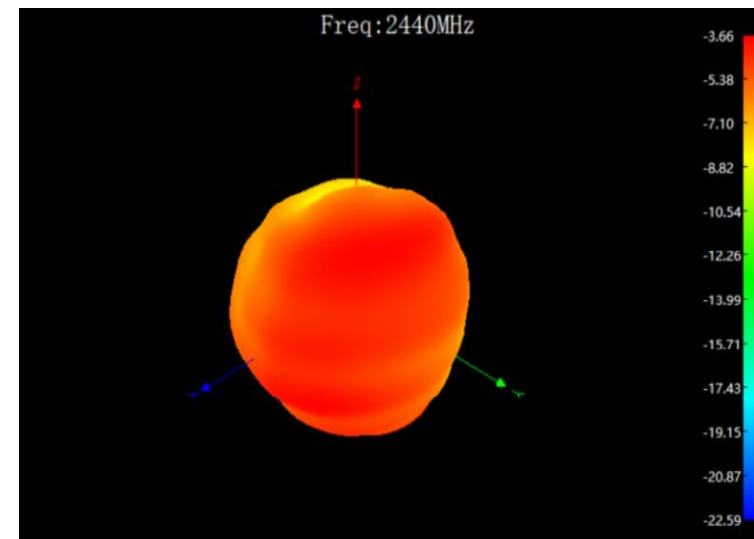
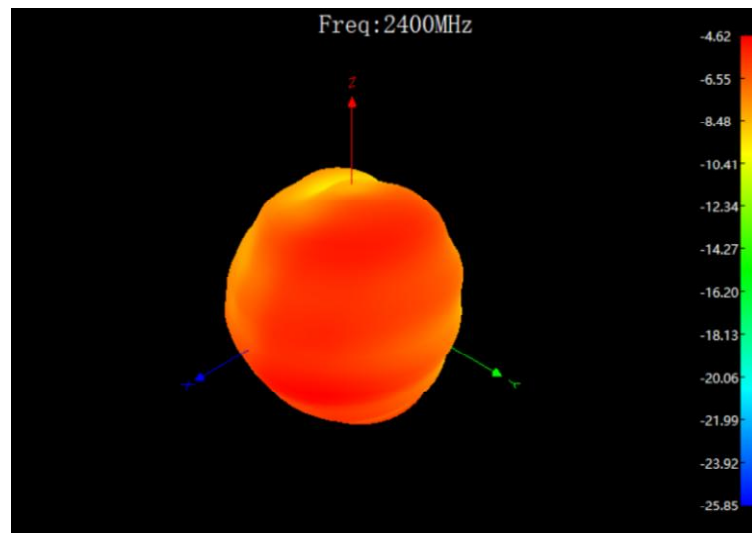
天线无源测试数据

Frequency/Mhz	Efficiency / %	Gain/dBi
2400	13.49	-4.62
2410	12.41	-4.57
2420	14.01	-4.32
2430	15.18	-3.93
2440	16.63	-3.66
2450	16.72	-3.77
2460	16.29	-3.81
2470	16.19	-3.69
2480	16.9	-3.64

天线2D辐射图参数



天线3D辐射图参数



赛博宇华楼顶实测距离

项目	A09	测试日期	2024.7.29
软件版本		测试地点	赛博宇华楼顶
系统	测试距离		
Android 14.0版本 (OPPO)	正对: 抬手腕至胸前有效查找手表BLE	30	30
	背对: 抬手腕至胸前有效查找手表BLE	30	30
Android 14.0版本 (OPPO)	正对:抬手腕至胸前有效通话BT	24	24
	背对:抬手腕至胸前有效通话BT	24	24
IOS Iphone15	正对: 抬手腕至胸前有效查找手表BLE	30	30
	背对: 抬手腕至胸前有效查找手表BLE	30	30
IOS Iphone15	正对:抬手腕至胸前有效通话BT	24	24
	背对:抬手腕至胸前有效通话BT	24	24



谢谢，合作愉快！

Thank You!

The Concepts National Income And National Product Have Roughly The Same Value And Can Be Used Interchangeably If Our Interest Is In Their

