



# 深圳市凯普深通讯科技有限公司

Shenzhen cape deep communication technology co., LTD

## 天线测试报告

客 户：优创亿

项目名：34N

射 频：黎工

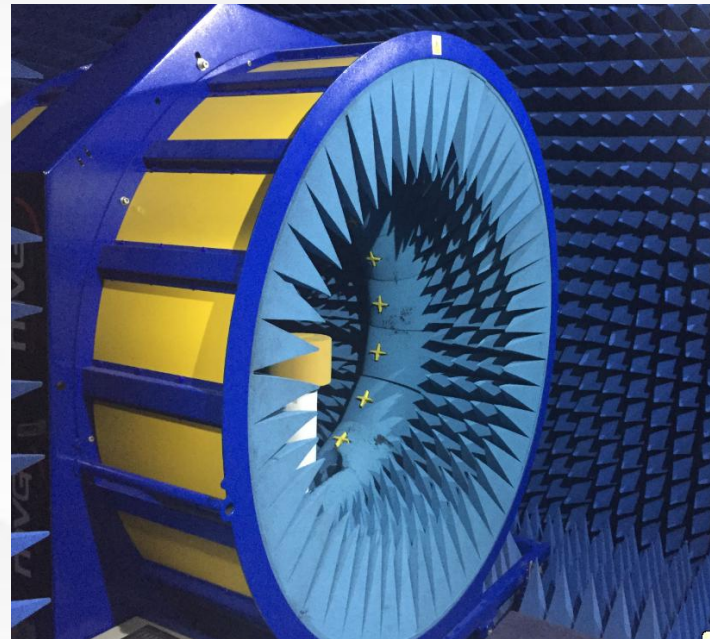
日 期：2023.06.02

版 本：V0.3



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# 实验室测试环境及设备



测试项目	测试设备
S11、S12、VSWR、LOSS	网络分析仪E5071B、E5062A
Efficiency、Gain 3D Radiation Pattern	Satimo SG16暗室、GP7*4*3暗室、E5071B
TRP、TIS	Satimo SG16暗室、GP7*4*3暗室、8960、 CMW500、MT8820C、E4438C、



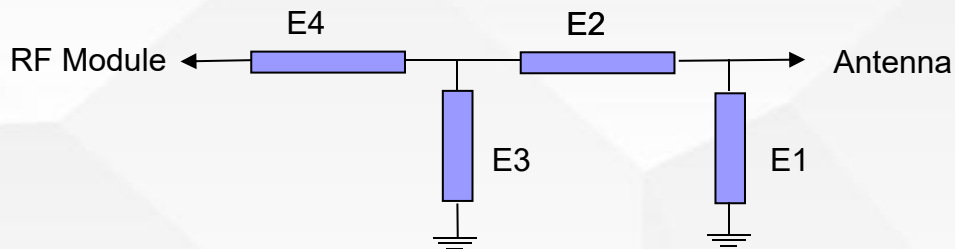
# 项目调试简介

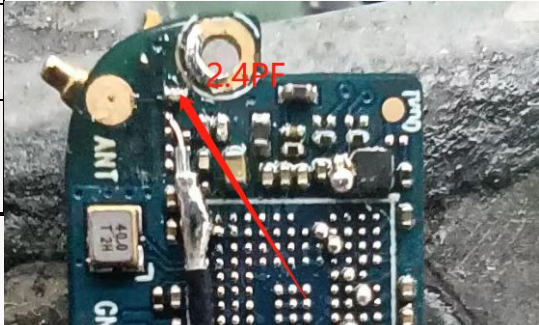
整机类型	手表			
		频段信息	天线形式	匹配改动
天线种类及频段信息	天线	2400-2480M	单极	是
天线材质	FPC			



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# BT天线匹配电路

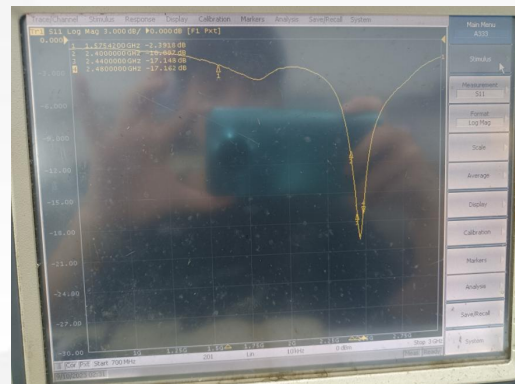
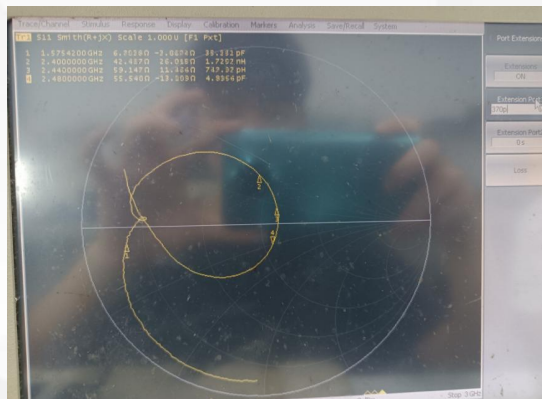
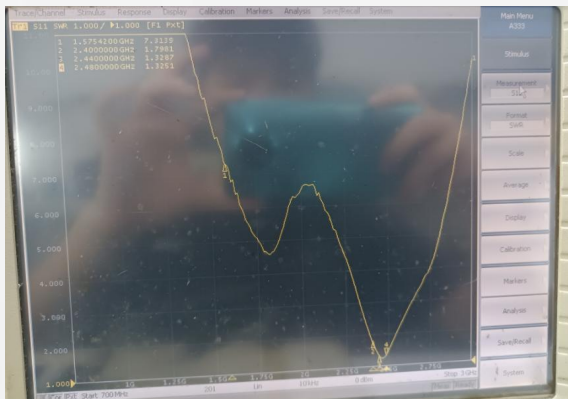


	Element	Value	
无限麦	E1(0201)	2.4PF	
	E2(0201)	0欧姆	
	E3(0201)	NC	



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# 天线无源驻波图





# 自由 天线无源测试数据

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	12.85	-8.91	-5.5
2410	14.08	-8.51	-5.18
2420	14.82	-8.29	-5.08
2430	15.78	-8.02	-4.68
2440	17.43	-7.59	-4.12
2450	18.08	-7.43	-3.96
2460	17.69	-7.52	-4.06
2470	16.59	-7.8	-4.39
2480	16.63	-7.79	-4.33
2490	16.83	-7.74	-4.25
2500	16.63	-7.79	-4.29

# 天线无源测试数据

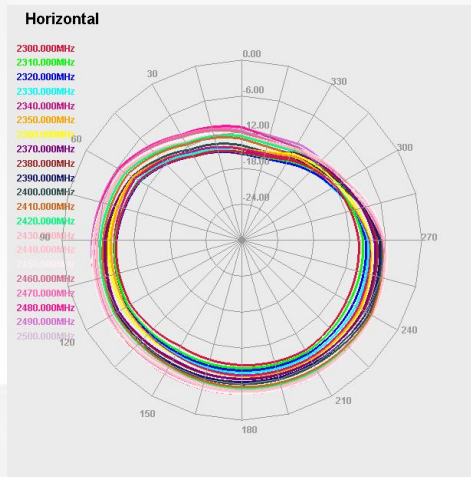
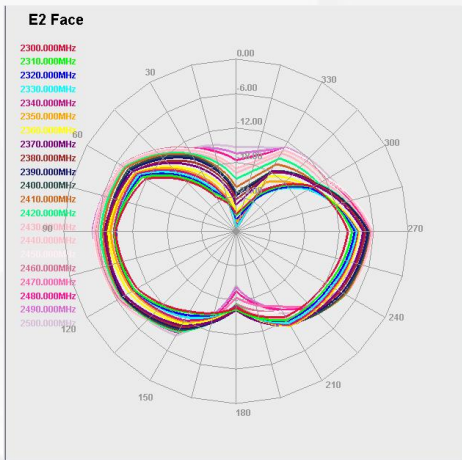
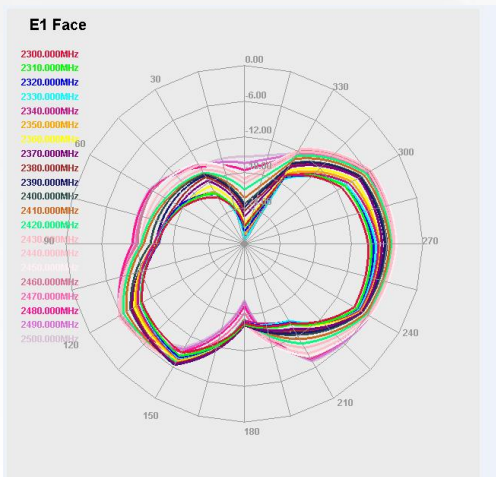
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	3.35	-14.75	-8.94
2410	3.63	-14.4	-8.54
2420	3.83	-14.17	-8.23
2430	4.06	-13.91	-7.79
2440	4.58	-13.39	-7.3
2450	4.8	-13.19	-7.08
2460	4.84	-13.15	-7.05
2470	4.64	-13.34	-7.2
2480	4.81	-13.18	-7.13
2490	5	-13.01	-6.96
2500	5.19	-12.85	-6.9



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# 天线无源测试方向图

自由

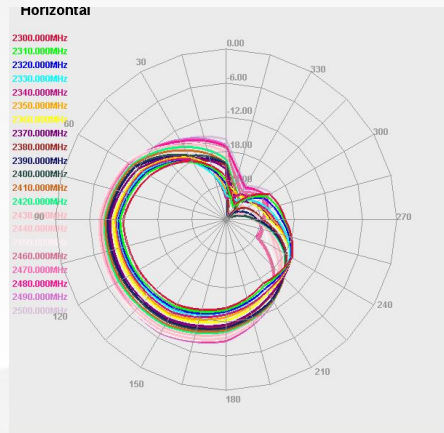
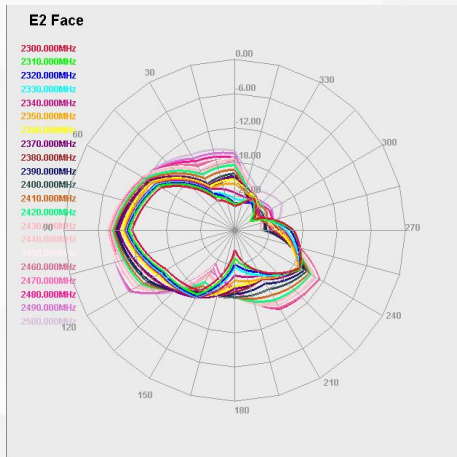
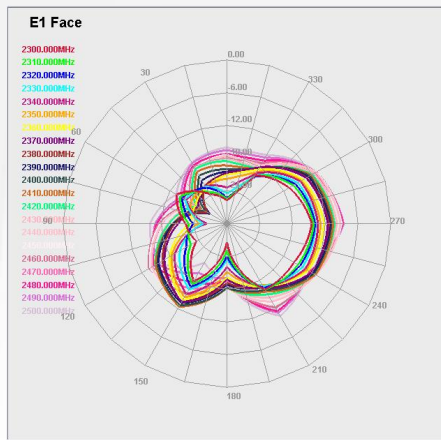






# 天线无源测试方向图

手模

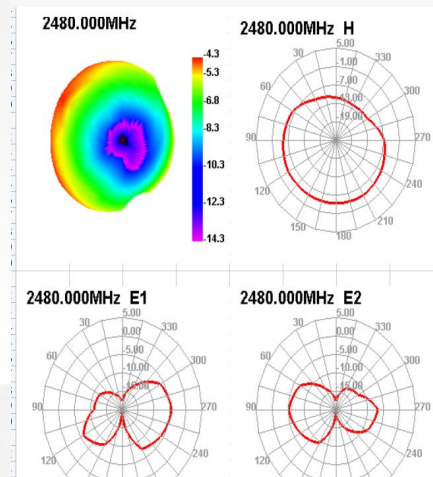
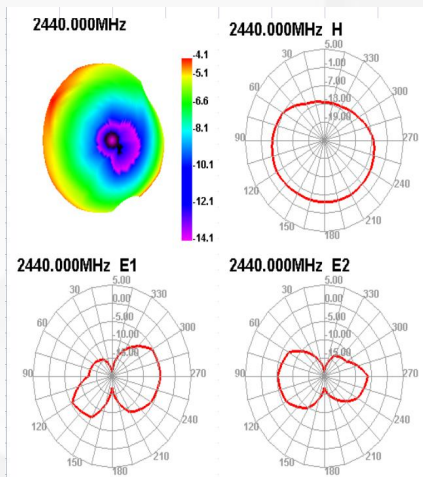
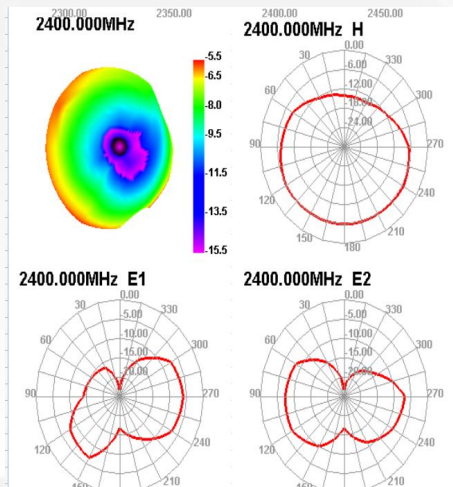




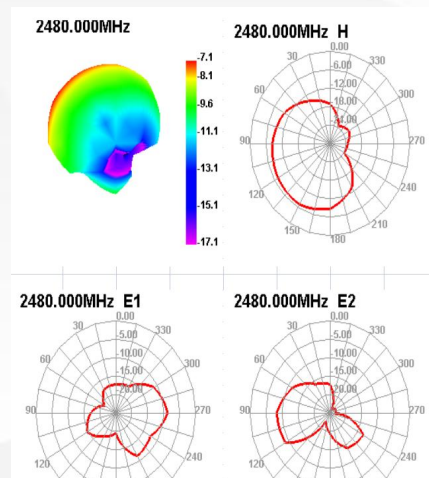
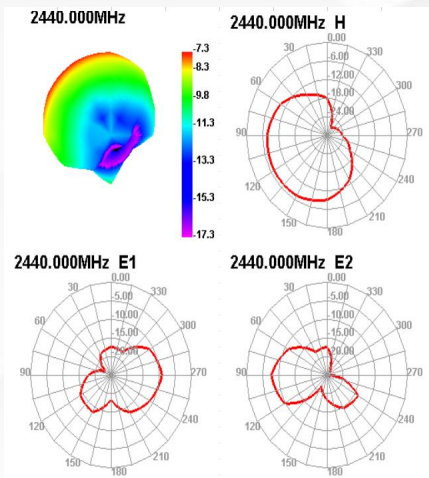
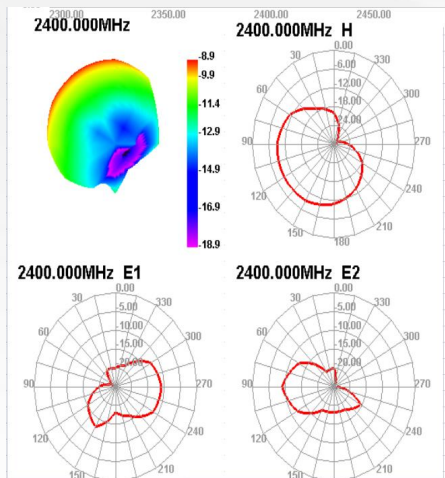
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自由

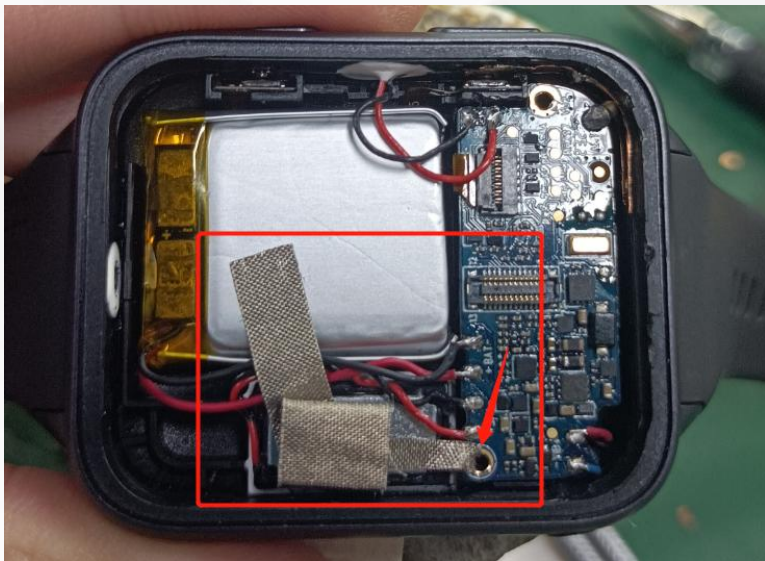
# 天线无源测试苹果图



# 天线无源测试苹果图



# 整机环境处理



如图所示。用箭头标记的要用螺丝跟导电布接地，导电泡棉用于跟屏幕接地



## 联系方式

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