



C229项目天线测试报告

Antenna Design And Test Report

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报告日期: 2025年11月11日星期二



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有源报告

Passive Report

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附加说明

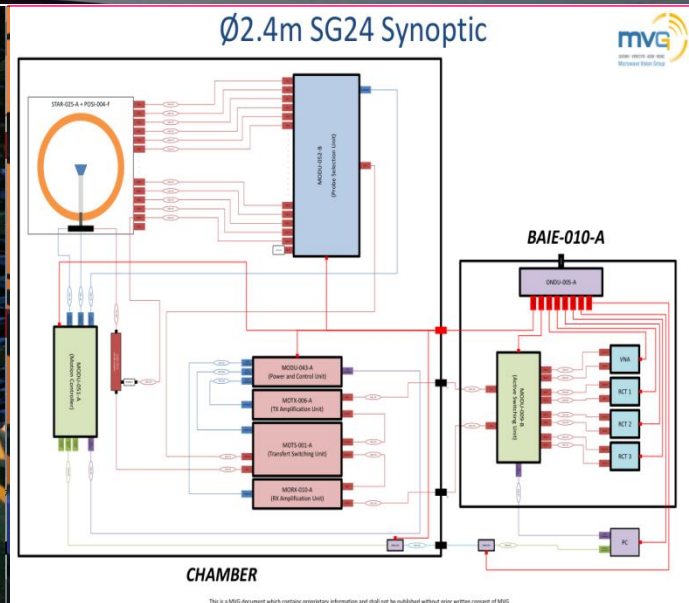
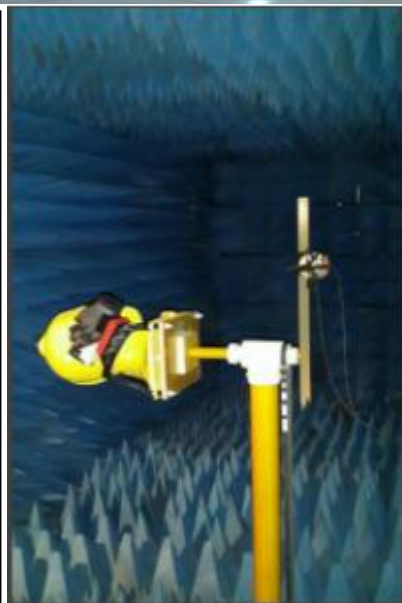
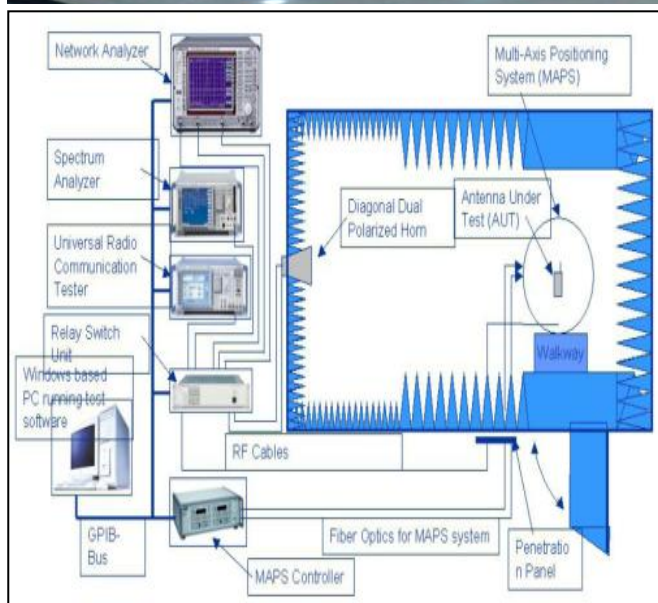
Additional Notes

08

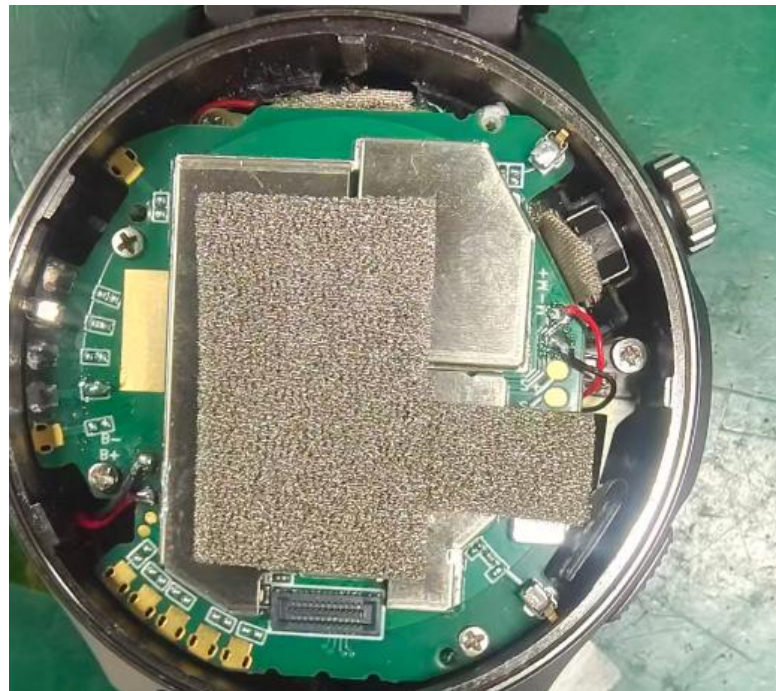
总结

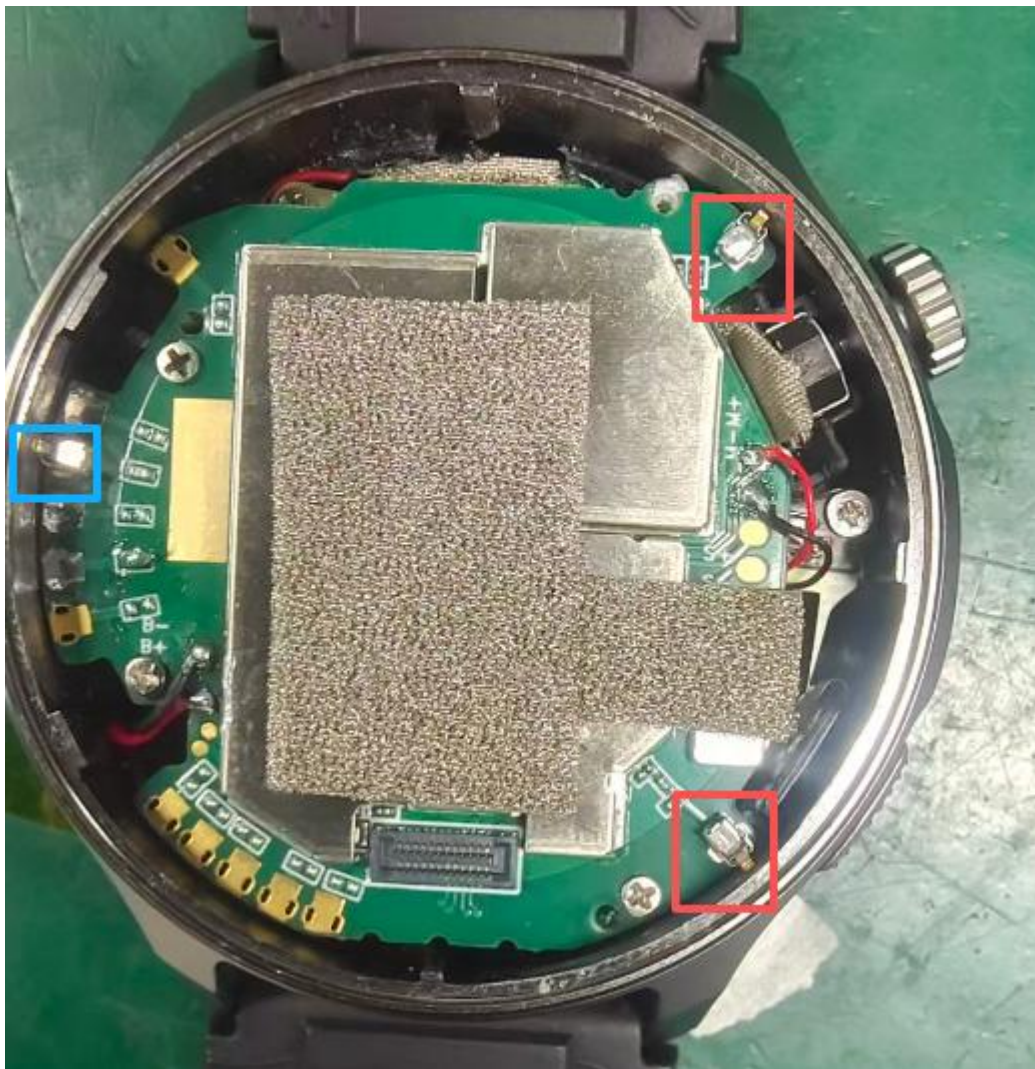
Conclusion

主天线设计频段: main antenna design spectrum	GPS:1575.42 BT:2400-2500	报告版本: Report version	日期 Date	内容 Content
		V1	2025.7.30	无源调试报告
		V2	2025.8.18	新板调试报告
		V3	2025.9.15	GPS调试报告
		V4	2025.9.30	GPS天线优化报告
		V5	2025.11.11	更新天线无源



3座远场3D全电波微波暗室实验室系统，1座MVG SG24LT (Satmio) 近场3D微波暗室实验室系统（与国家相关实验室同步）





GPS

0201	
C18	10NH
C19	0 Ω



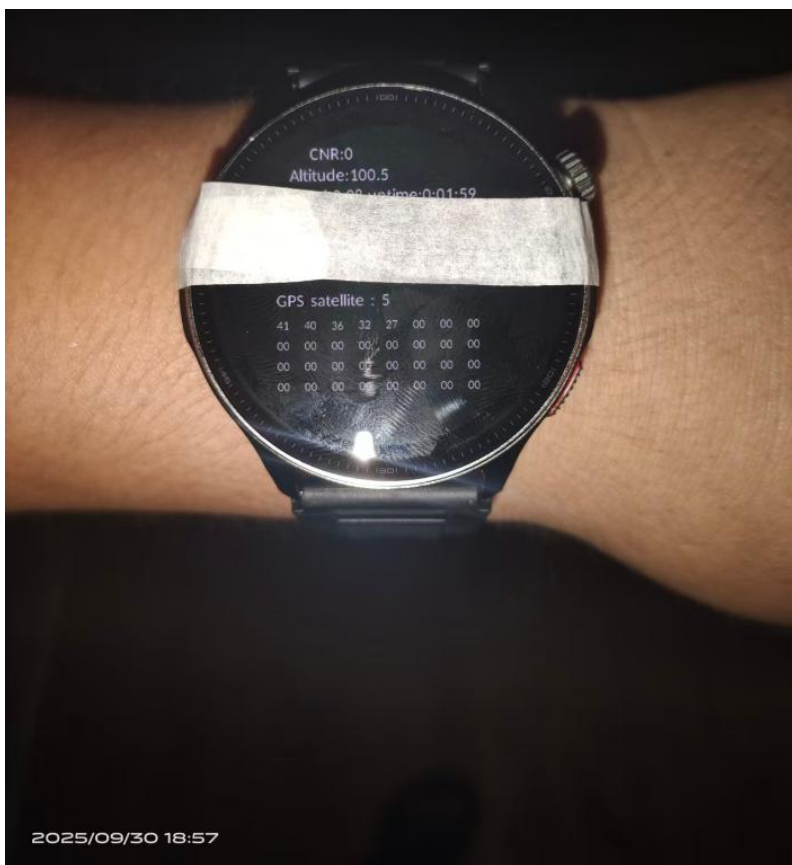


BT

0201	
	10NH
	1.5PF

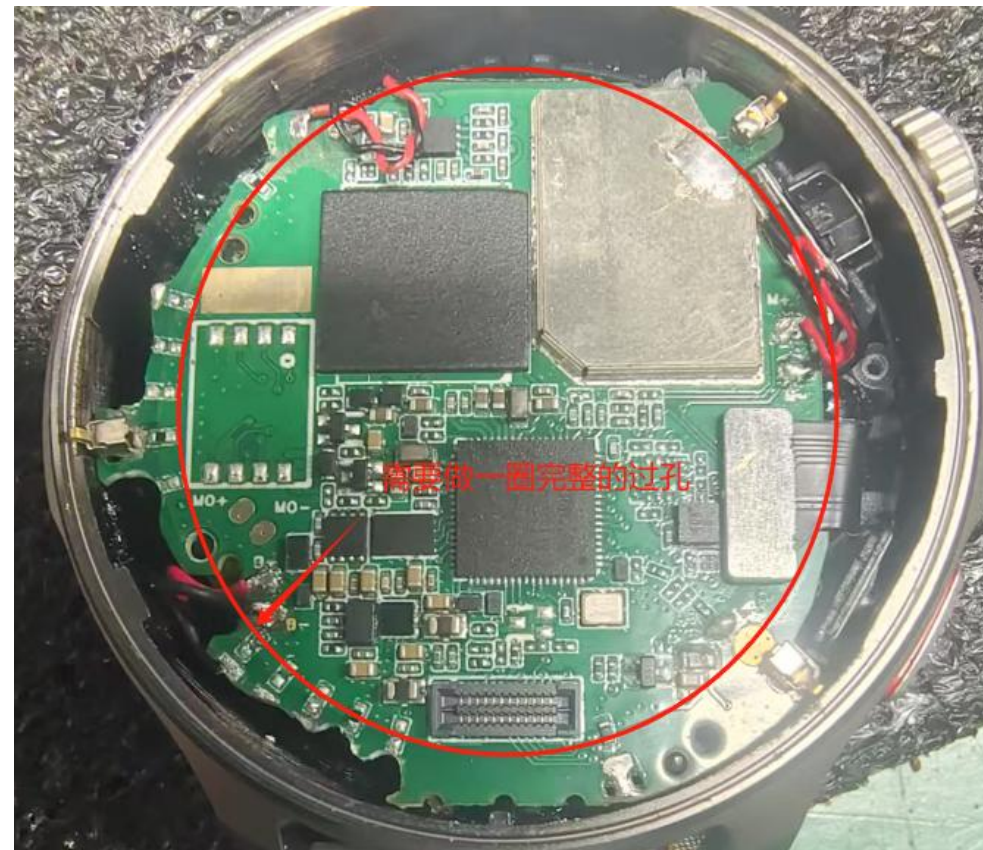
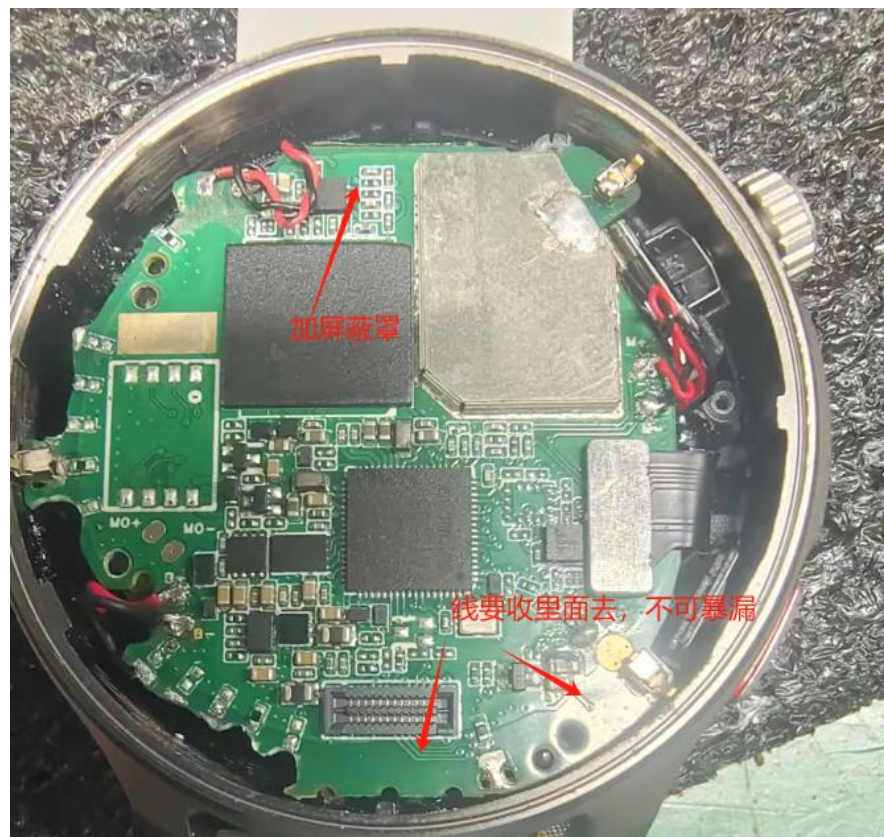


手臂



复制一台





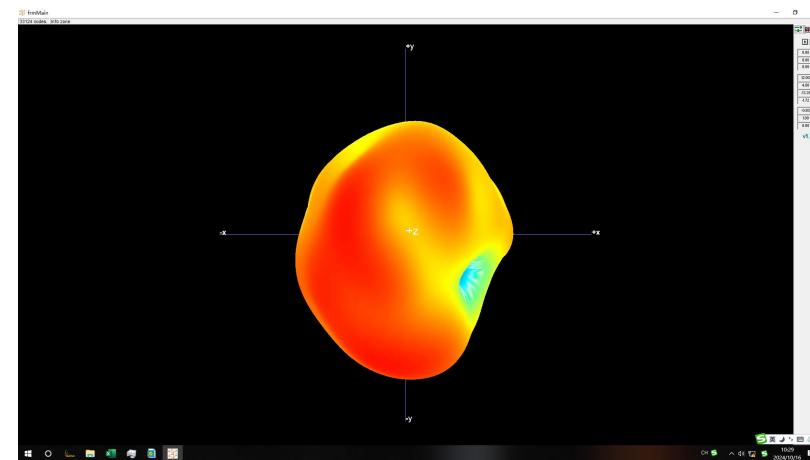
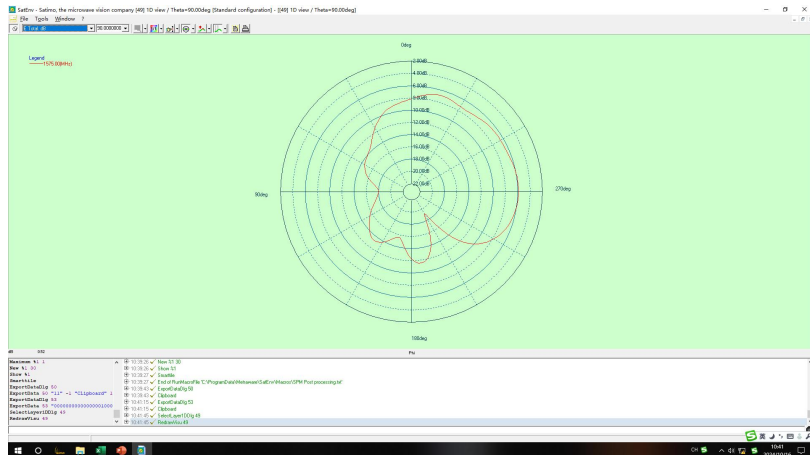
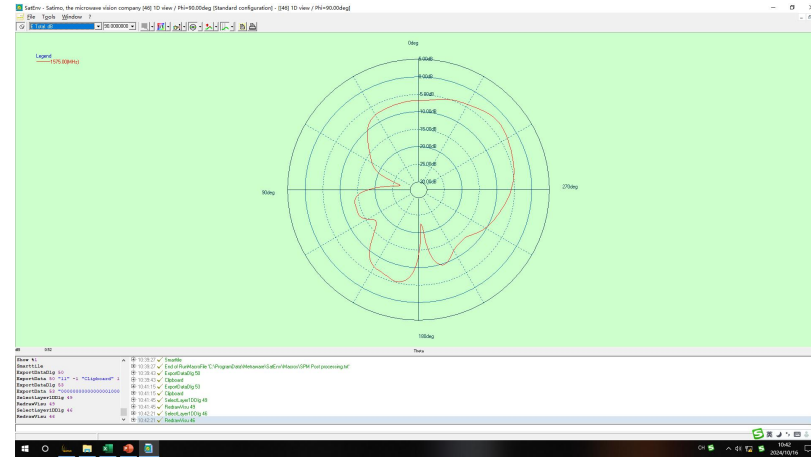
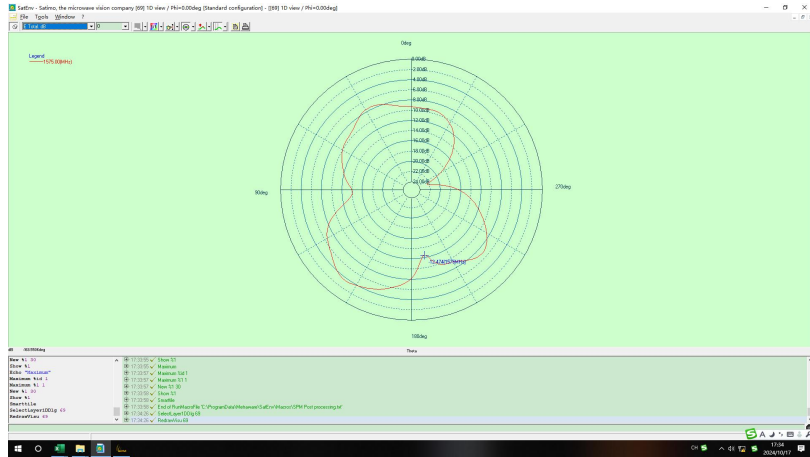


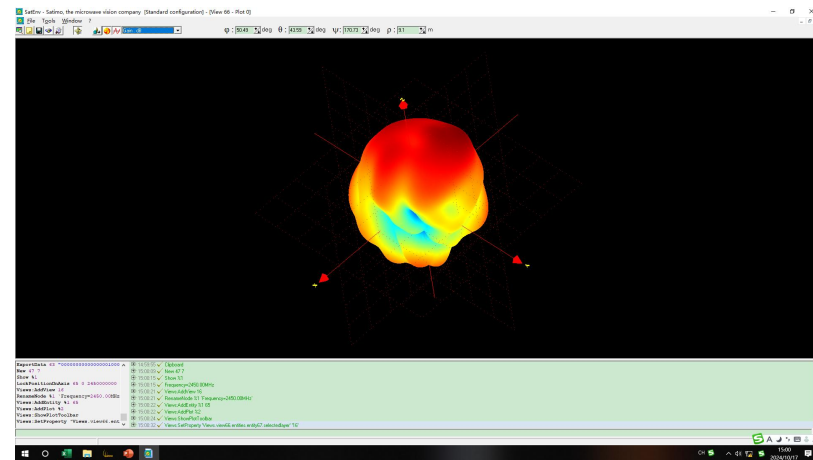
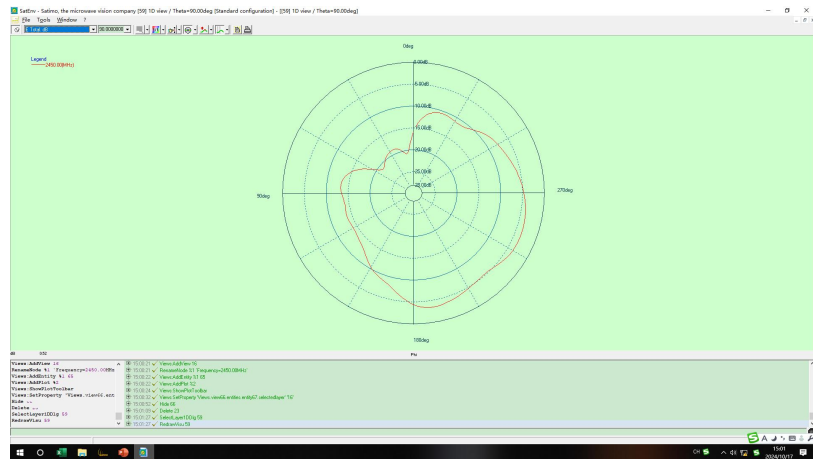
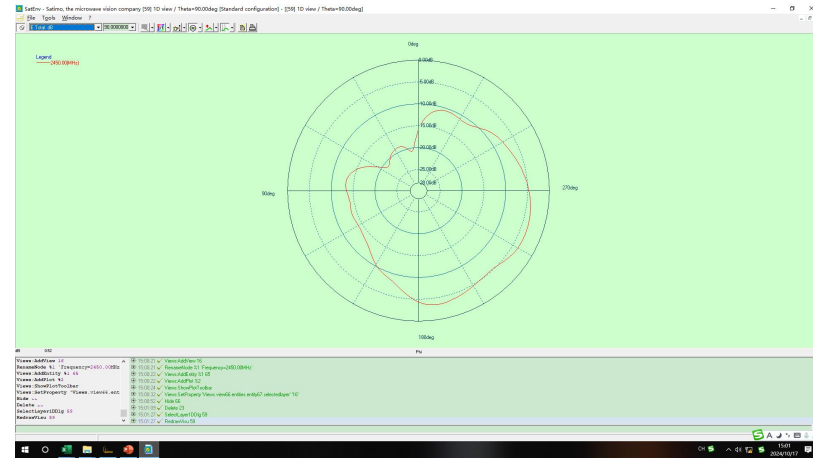
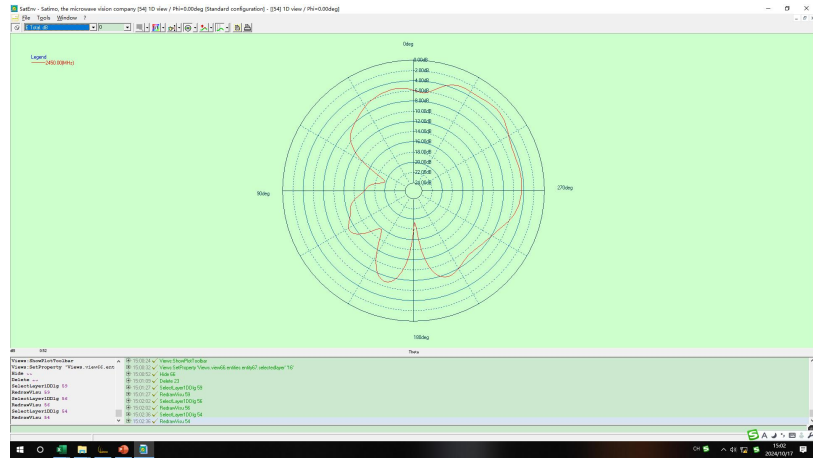
Frequency	Efficiency	Efficiency . dB	Gain . dB
1550	14%	-8. 61	-1.96
1555	13%	-8. 75	-1.99
1560	13%	-8. 90	-1.93
1565	13%	-8.97	-2.23
1570	12%	-9.07	-2.28
1575	12%	-9.13	-2.29
1580	12%	-9.24	-2.26
1585	12%	-9.37	-2.62
1590	11%	-9.57	-2.64
1595	11%	-9.59	-2.92

Frequency	Efficiency	Efficiency . dB	Gain . dB
2400	26%	-5.91	0.68
2410	25%	-5.96	0.55
2420	25%	-6.00	0.39
2430	25%	-6.03	0.17
2440	25%	-6.00	0.17
2450	25%	-6.00	0.12
2460	25%	-6.07	0.12
2470	25%	-6.04	0.16
2480	25%	-5.94	-0.01
2490	25%	-5.96	0.05
2500	24%	-6.14	0.18

Active Report

方向图-GPS









总结

- 1、以上是手表调试的最新进展，匹配有修改
- 2、如有疑问，可以电话沟通联系，谢谢。



01

报告中天线匹配电路是否改动，天线有关的环境处理是否增加，将直接影响天线性能，请仔细确认查看。

02

贵司如有最新试产或更新产品（如软件，**ESD**，物料等）请尽快提供我司进行验证，以确认天线性能是否有变化影响。

03

倘若贵司需要送第三方检测机构复测或客户测试，请务必先与我司进行天线相关测试确认，因主板·装配的一致性，以及天线组装的差异等因素，均可能导致天线参数的偏差。

谢谢

THANK YOU

如有疑问 请联系我们

日常服务时间：周一至周五 9:00-18:00

总机热线：0755-36615535 销售热线：0755-36615535 传真：0755-82916227

 网址：www.mayaant.com