



深圳市迎丰天线技术有限公司

D18 Test Report

客 户

凌安无线

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日 期	2025-11-28



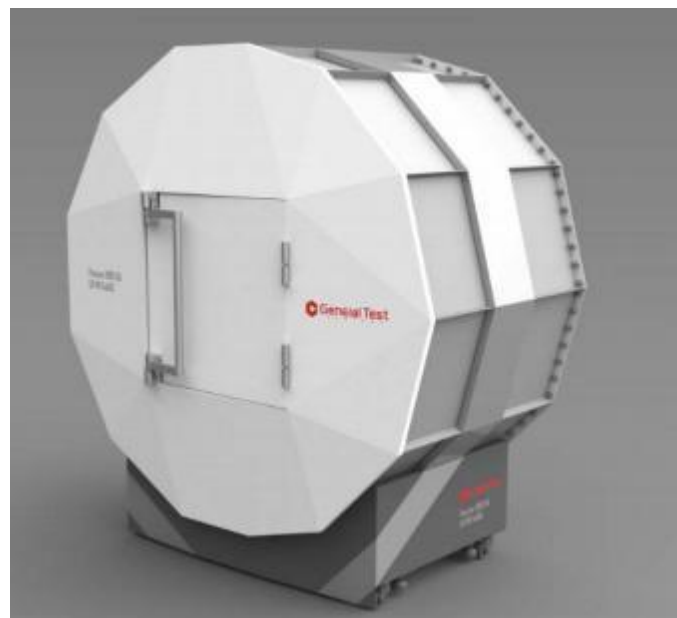
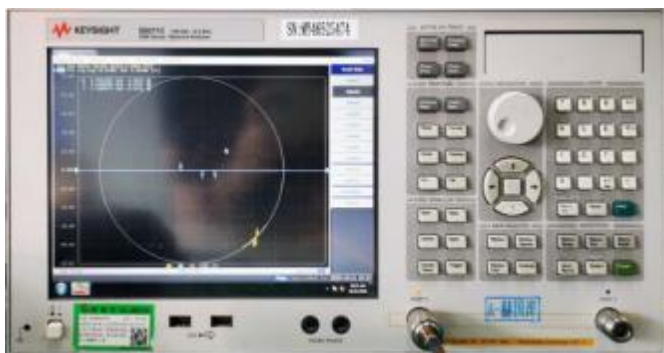
报告目录

- ③ 测试设备
- ③ 样机外观
- ③ 匹配参数
- ③ 网分调试天线S参数
- ③ 整机自由场效率
- ③ 整机自由场场型
- ③ 拉距测试
- ③ 调试总结



测试条件

- 1. S参数测量
- 2. 设备: 网络分析仪 (Agilent E5062A), 微波暗室, MT8852B
- 3. 项目: 阻抗, 回波损耗, VSWR, 效率, 增益, 辐射场型, 灵敏度, 功率, 频偏 有源数据 TRP TIS



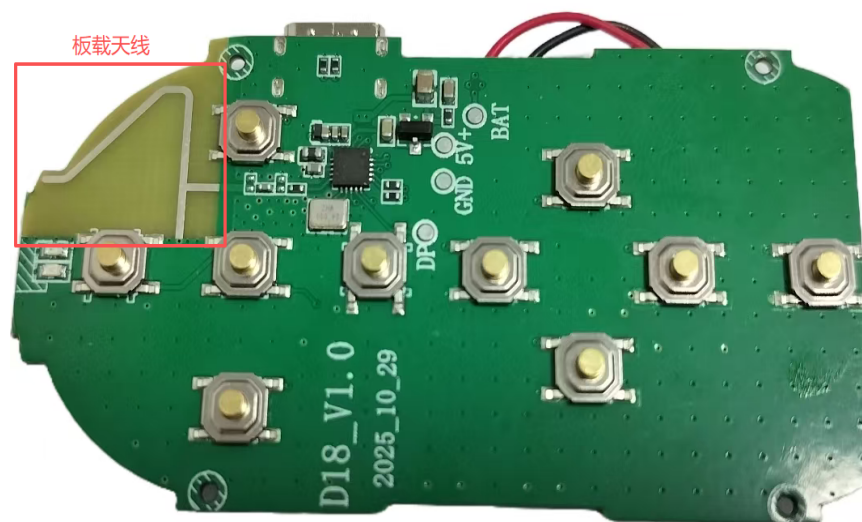


D18 Appearance

Overall appearance



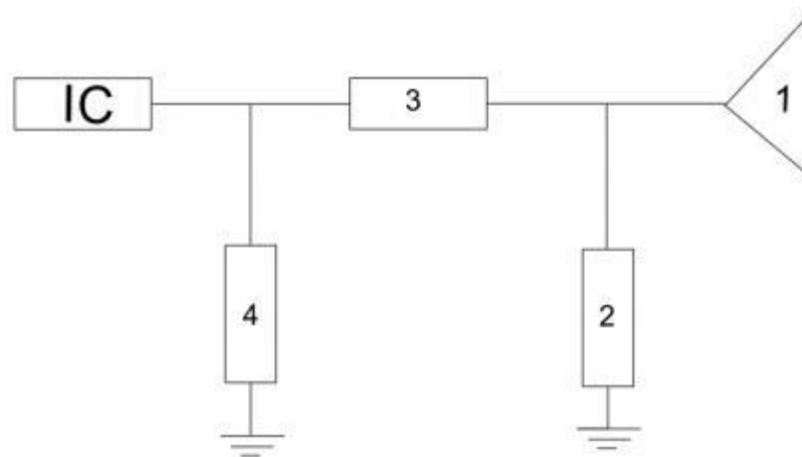
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Matching parameters (on-board ring)



No.	型号	规格	厂商	料号	公差	
1	On-board					
2	NC					
3	Capacitor	10PF/0402	村田		$\pm 0.1\text{PF}$	

4	NC					
5						



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Network division debugging antenna S parameters

Debugging waveform

remote control





Efficiency of the whole machine in free field

Remote control efficiency

Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	-5.638819625	-9.082557591	12.35219789
2410	-5.525699349	-8.98747733	12.62560701
2420	-5.483687137	-8.97032589	12.67556746
2430	-5.470403454	-8.915894575	12.83543354
2440	-5.34501599	-8.763098944	13.295054
2450	-5.411438619	-8.776286544	13.25474404
2460	-5.590595727	-8.914002735	12.84102603
2470	-5.520103724	-8.812247635	13.14544331

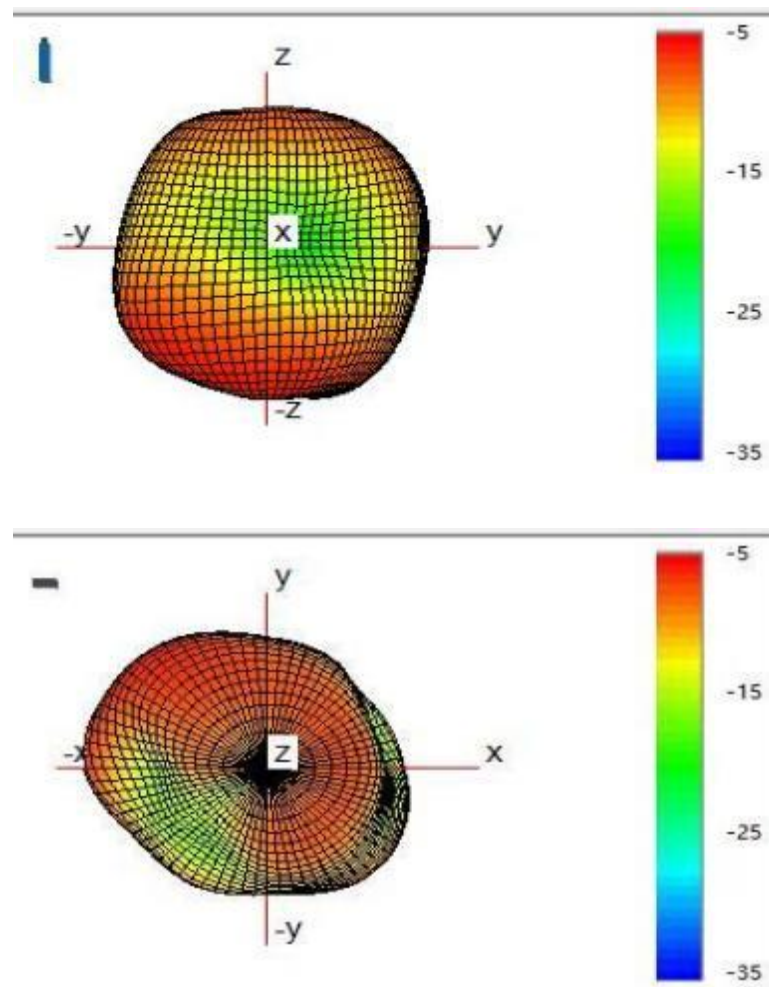
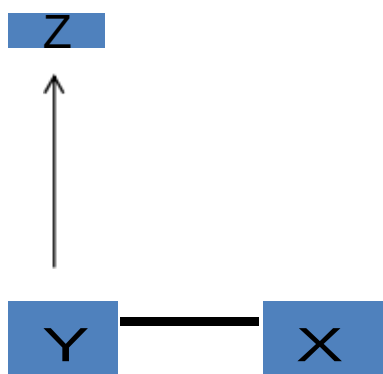
2480	-5.28507728	-8.69594234	13.50223822
2490	-5.36207069	-8.765474855	13.28778261
2500	-5.25685849	-8.702283996	13.48253637

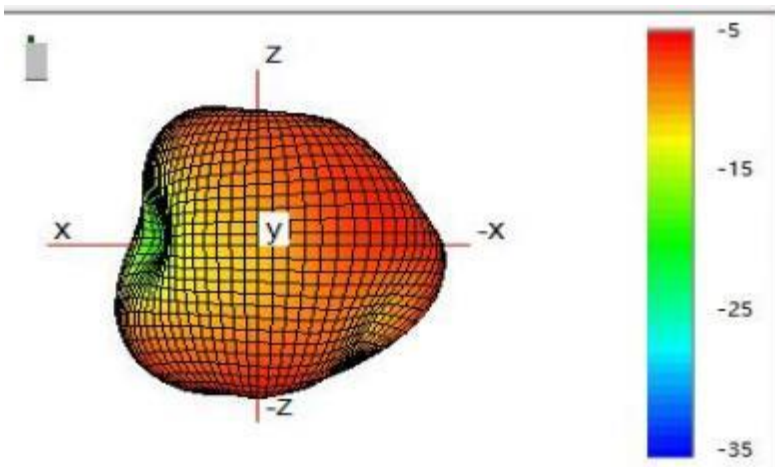


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Free-field configuration of the whole machine

Field diagram







Summary

1. Do not run the battery wire through the antenna area.



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Thanks for Your Attention