

V3SE Test Report

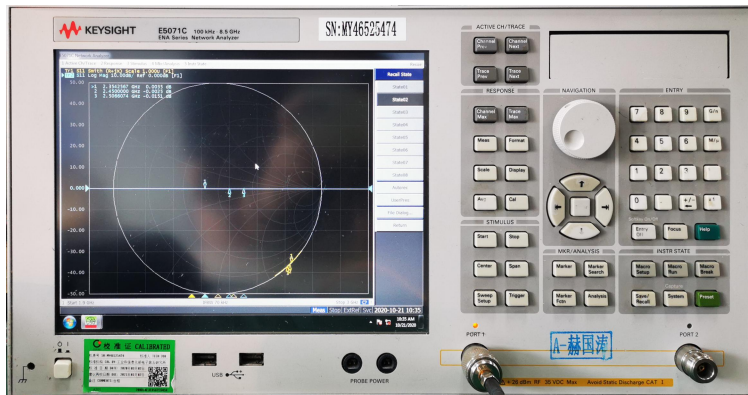
客 户 名:	浩瀚
产品类型:	AIOT
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日 期:	2026/6/5

报告目录

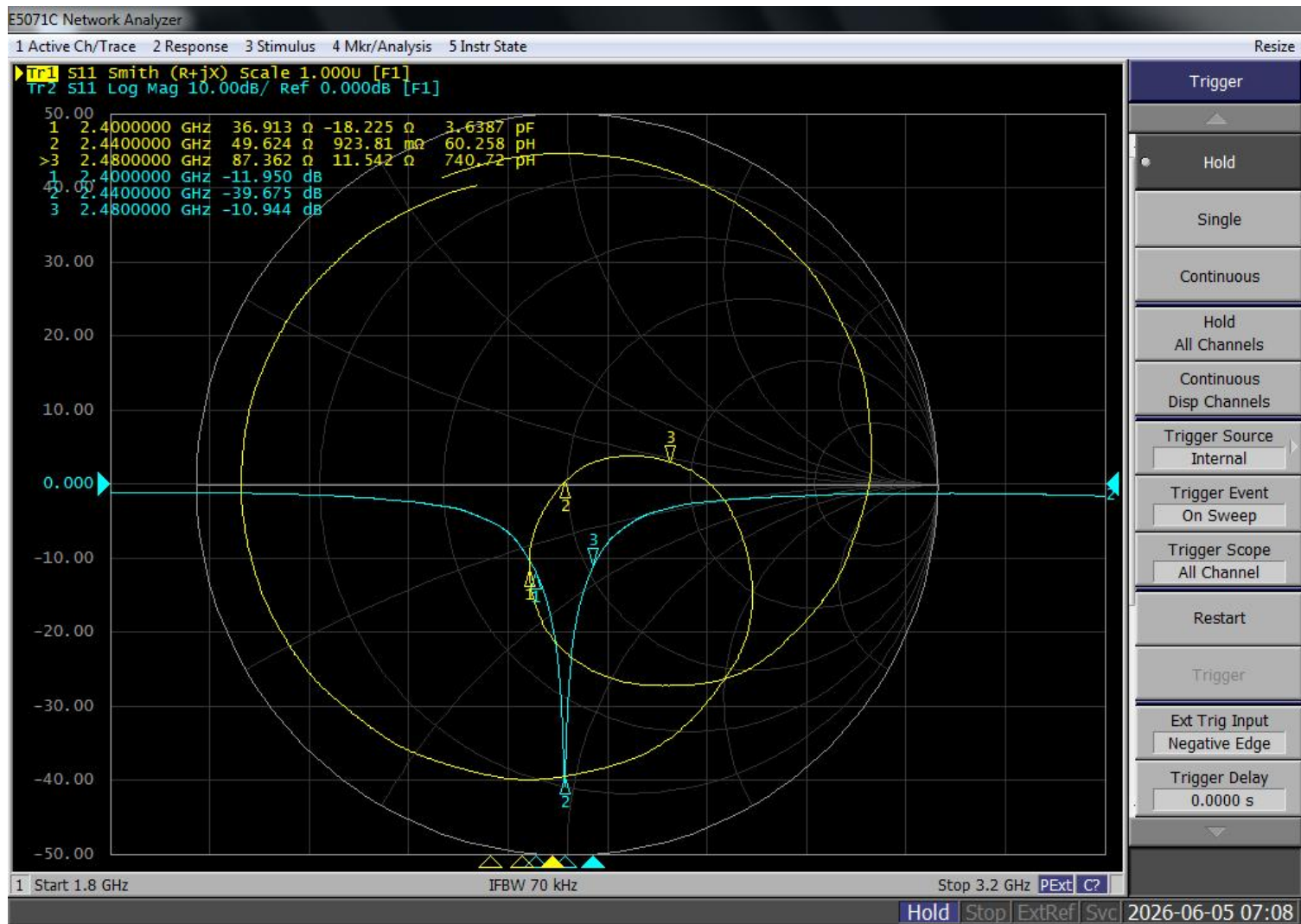
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测试条件

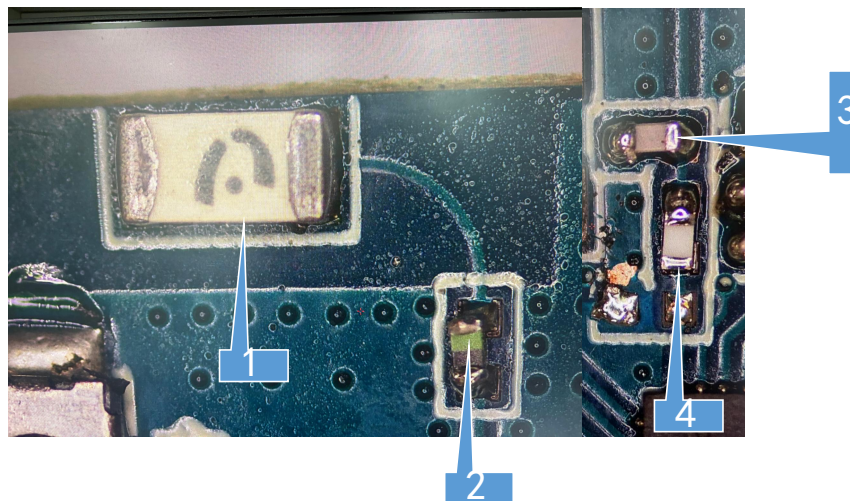
测试项目	测试仪器	厂商
S参数	E5062A	Agilent
无源效率	E5071C/RayZone 1800	Keysight/GTS



天线S参数



匹配参数

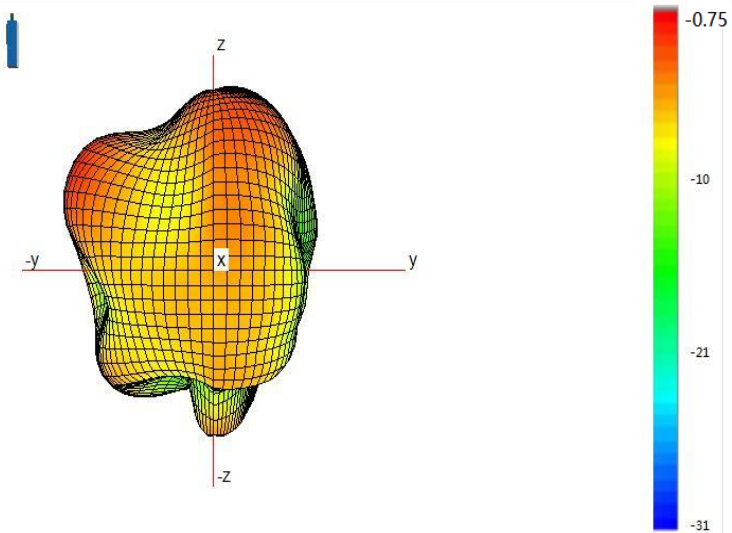
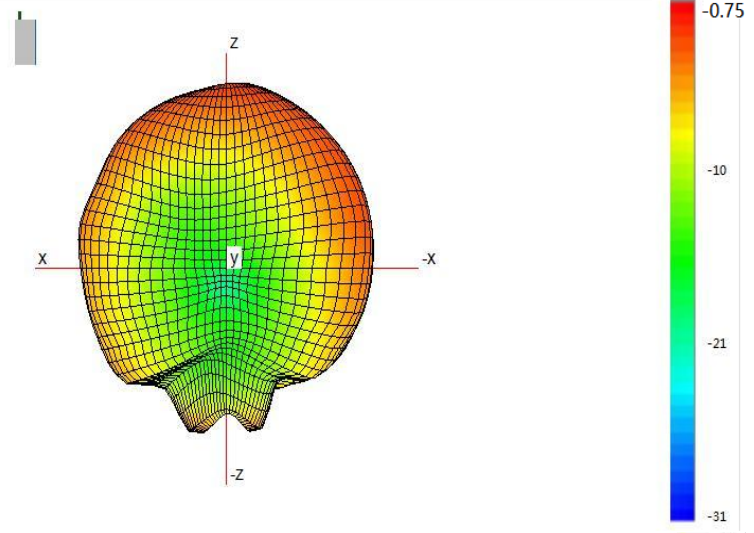
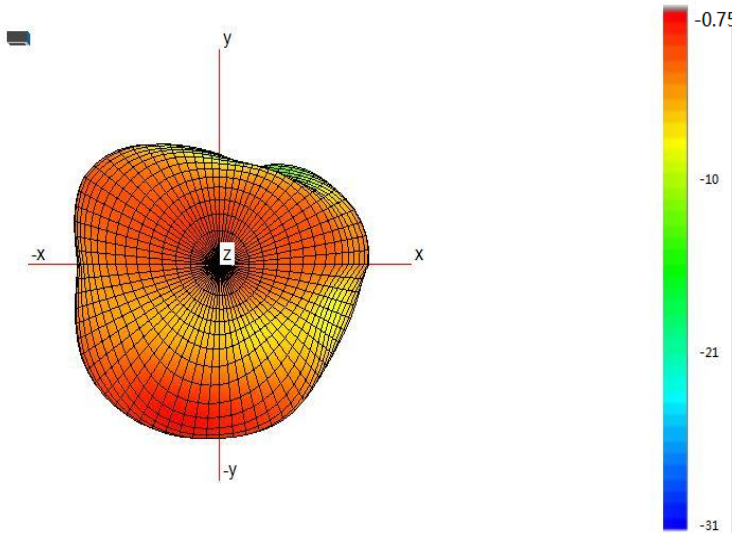
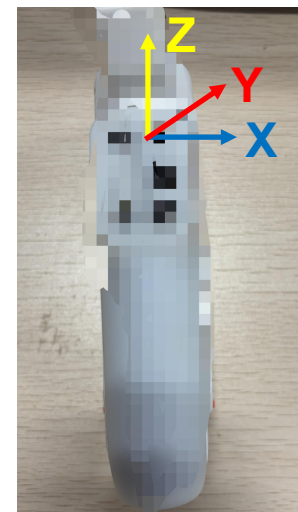


编号	规格	厂商	公差	备注
1	CW324S	咏业		
2	L=2nH/0402	村田	$\pm 0.1\text{nH}$	
3	C=1.8pF/0402	村田	$\pm 0.1\text{pF}$	
4	0 Ω /0402			

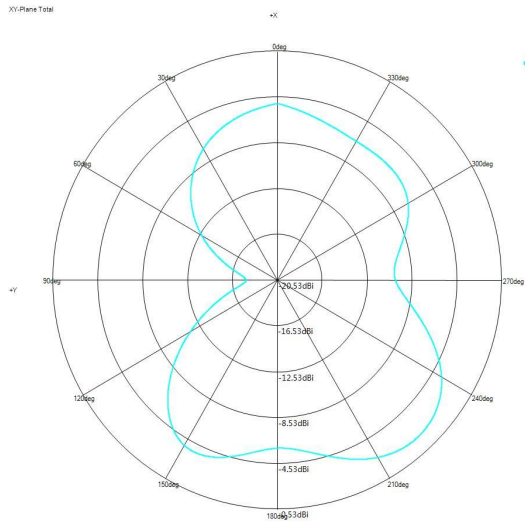
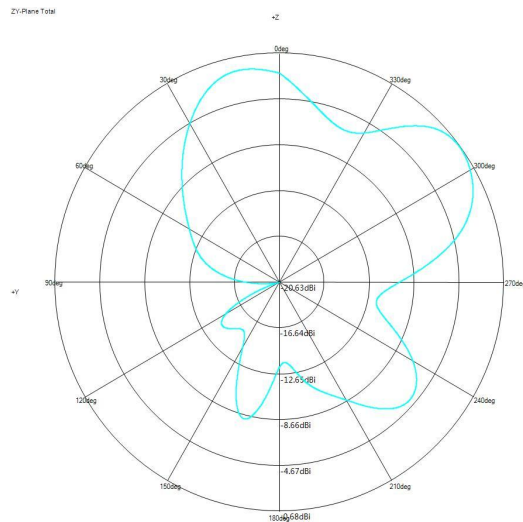
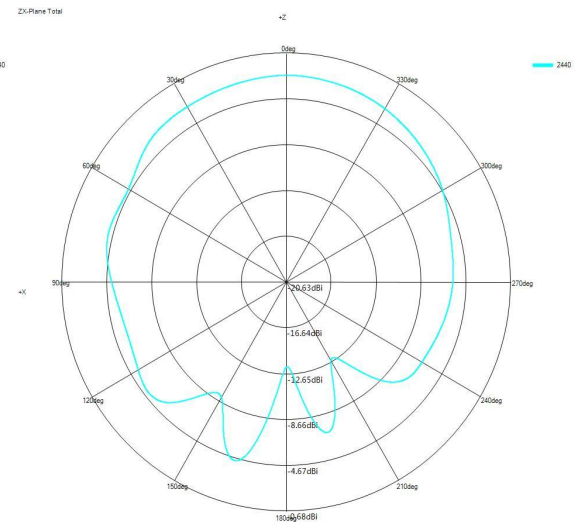
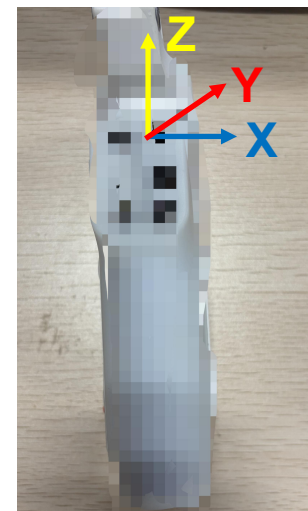
天线无源效率

Freq (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
2400	-1.29	-6.12	24.44
2410	-1.02	-5.87	25.89
2420	-0.88	-5.73	26.73
2430	-0.74	-5.66	27.13
2440	-0.75	-5.69	27.00
2450	-0.89	-5.86	25.97
2460	-1.05	-6.08	24.65
2470	-1.20	-6.34	23.21
2480	-1.47	-6.70	21.37

3D辐射场型@2440MHz



2D辐射场型@2440MHz



调试总结

结论:

采用CW324S天线, 经调整参数, 测得峰值效率: 27%.

Thanks for Your Attention