

2025

天线匹配测试报告 *Antenna matching test report*

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ELECTRICAL TECHNOLOGY CO., LTD

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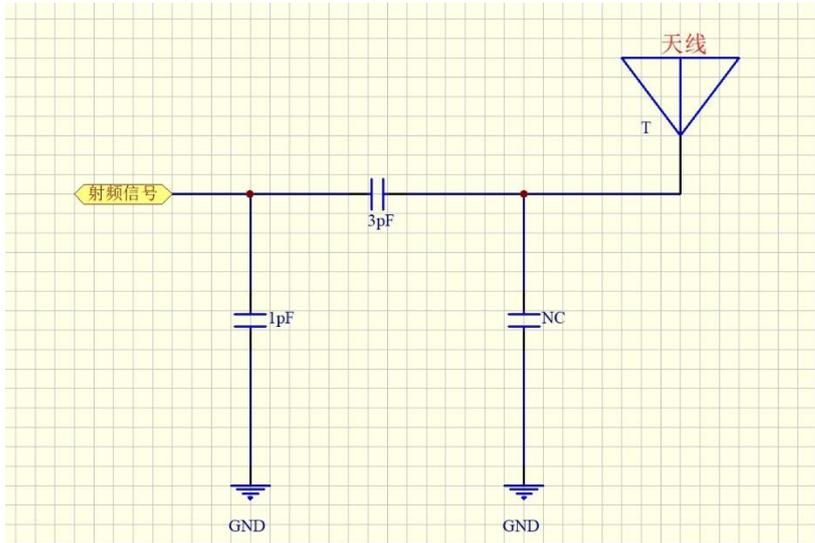
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Black Apple OA-C11 Antenna 2.4	

黑色 苹果 OA-C11 天线 2.4G

I 匹配调试数据

调试后天线的匹配原理图

2Black Apple OA-C11 Antenna 2.4G.
Matching and debugging data
Debugging the matching schematic diagram of the post-



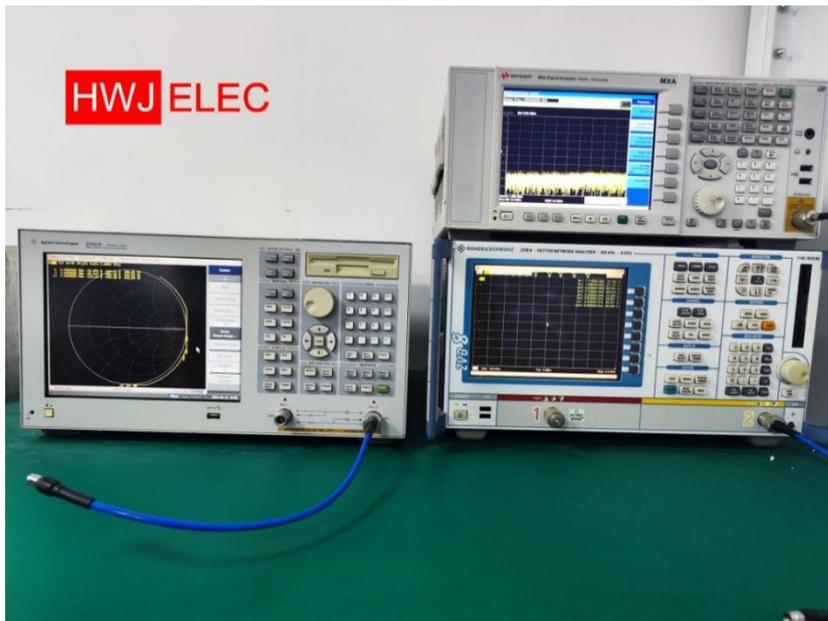
注意：射频芯片参考设计要求的外围器件值请按照芯片厂家参考设计使用，以上天线匹配器件相互独立不可互相替换
器件型号

1pF	0402CG1R0C500NT	FH (风华)
3pF	0402CG3R0C500NT	FH (风华)

Note: The peripheral device values required by the RF chip reference design should be used according to the

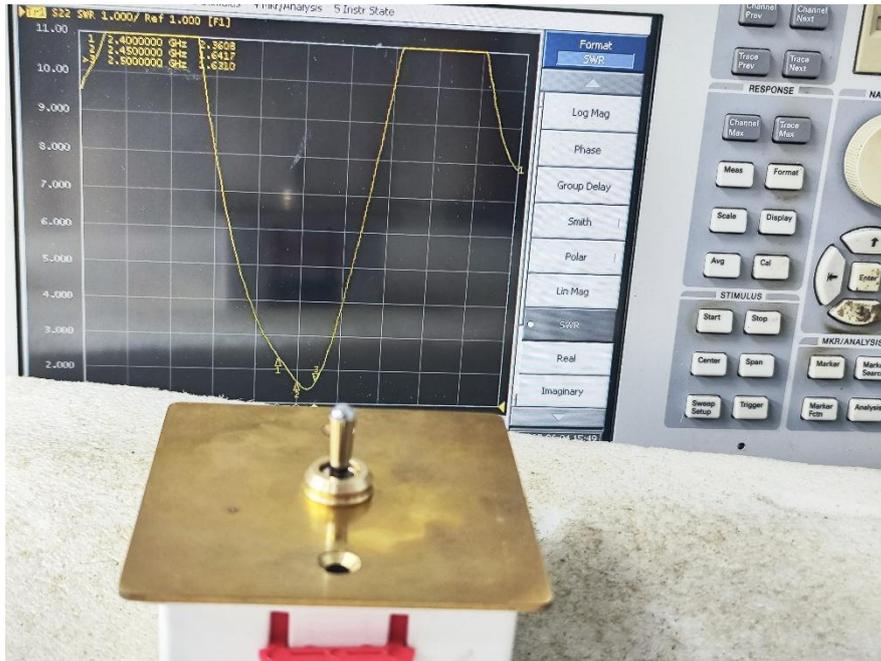
II S 参数测试

Parameter testing

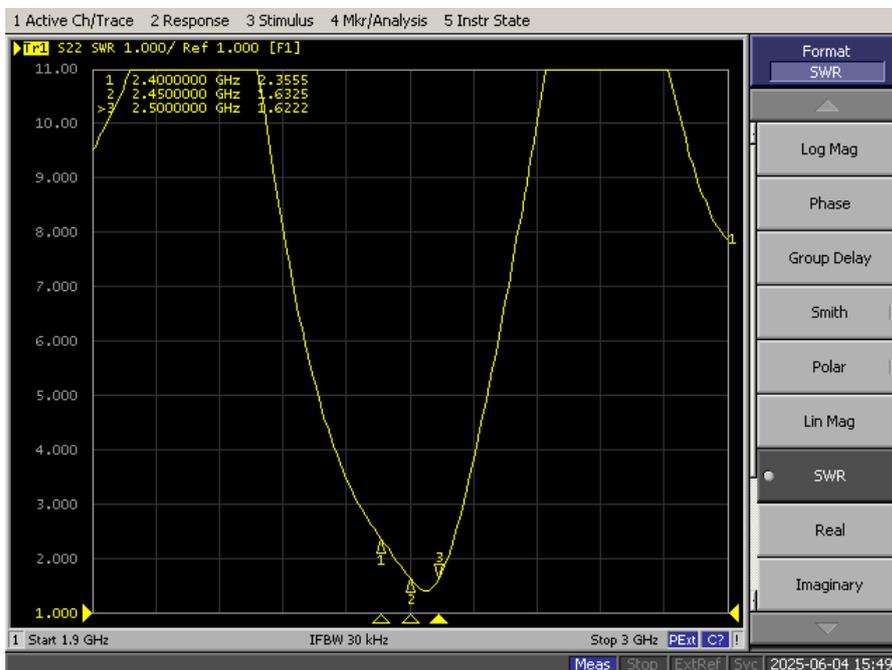


型号model: E5062A , ZVB8 , N9020A

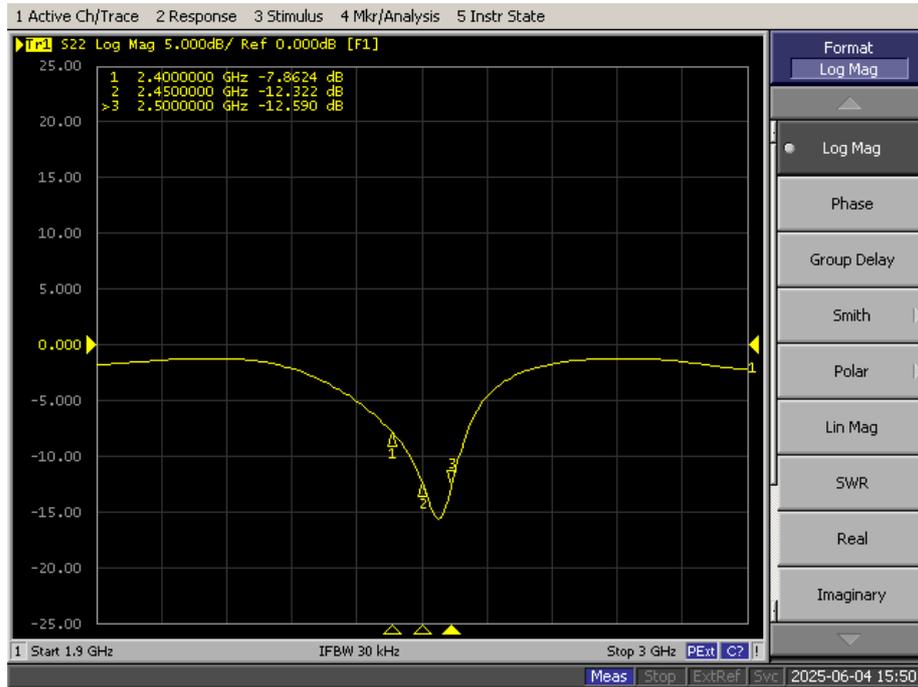
整机测试环境 Complete machine testing



天线驻波比 Antenna standing wave ratio

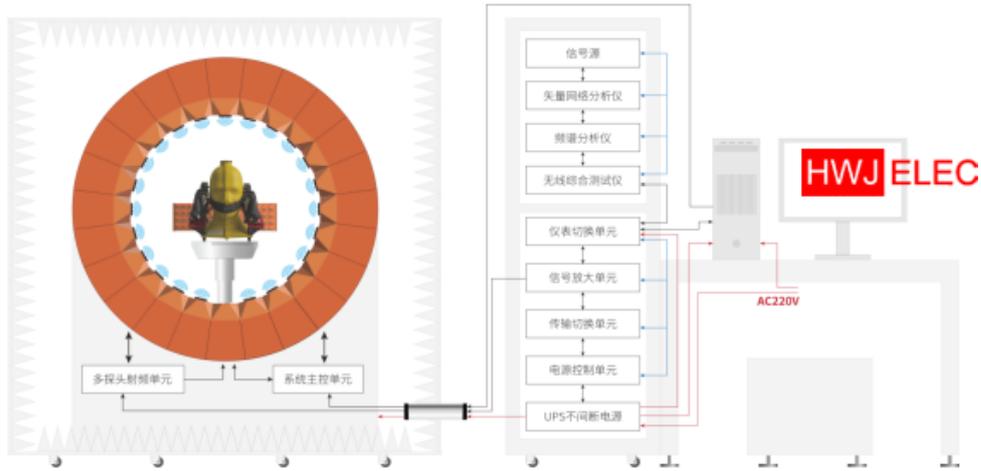


回波损耗Return Loss



III 3D 微波暗室测试 3D microwave anechoic





设备型号Equipment model: ATS-200、E5071C、CMW500

增益和效率表Gain and Efficiency Table

Frequency/Mhz	MaxGain/dBi	Efficiency / %
2400	1.1	26.06
2410	1.24	24.55
2420	0.79	25.64
2430	0.77	26.73
2440	0.79	25.7
2450	0.51	25.18
2460	-0.47	25.76
2470	-0.51	25.41
2480	-0.78	22.75
2490	-1.07	22.18
2500	-2.57	21.43