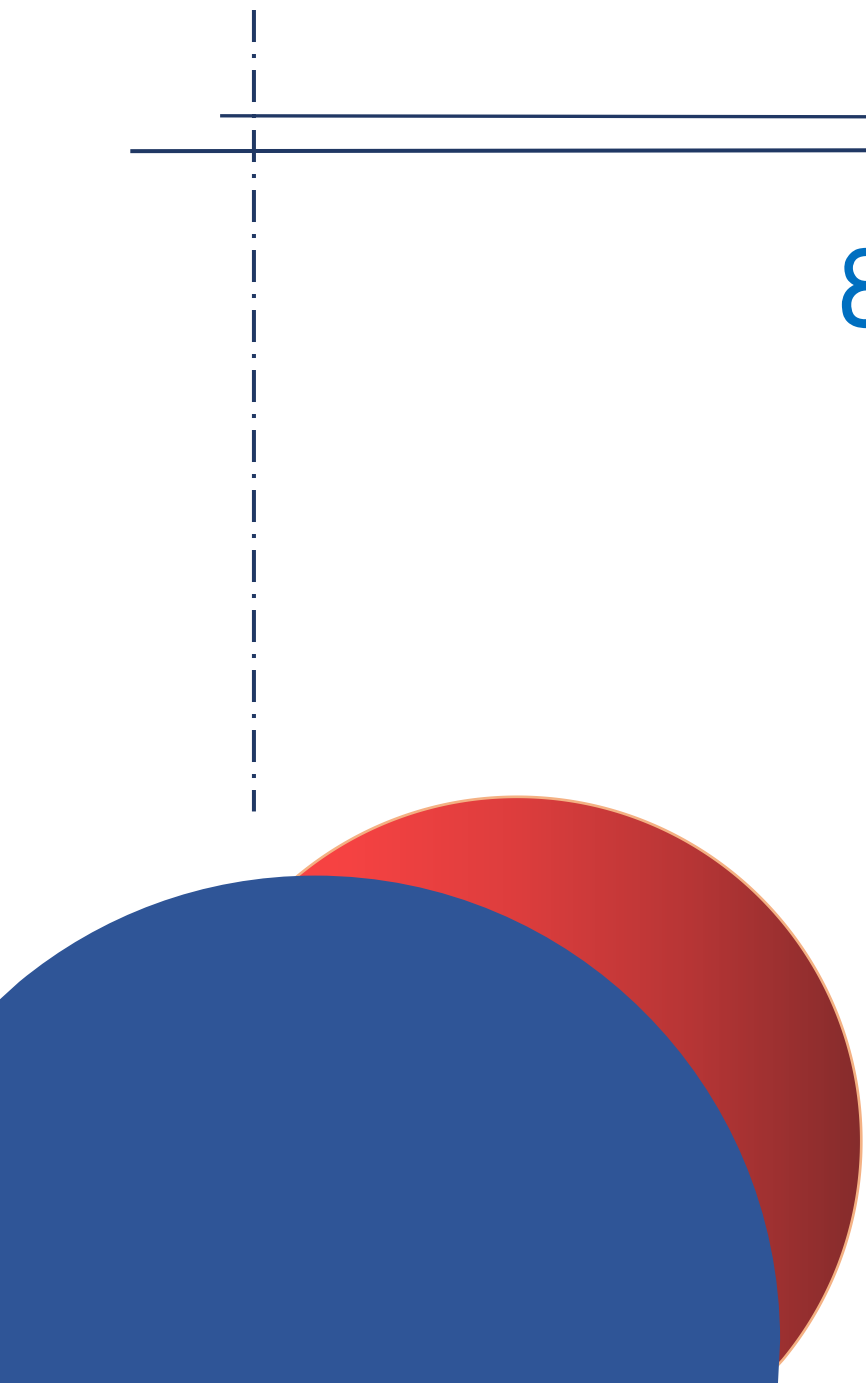




8959-2项目调试报告

Antenna Test Report V1.0

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日期 (Date) : 2026.05.12

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Shenzhen Daze Wireless Technology Co., Ltd

历史版本 (Revision History)

Version:	Date:	Summary of content:
V1.0	2026.05.12	天线测试报告

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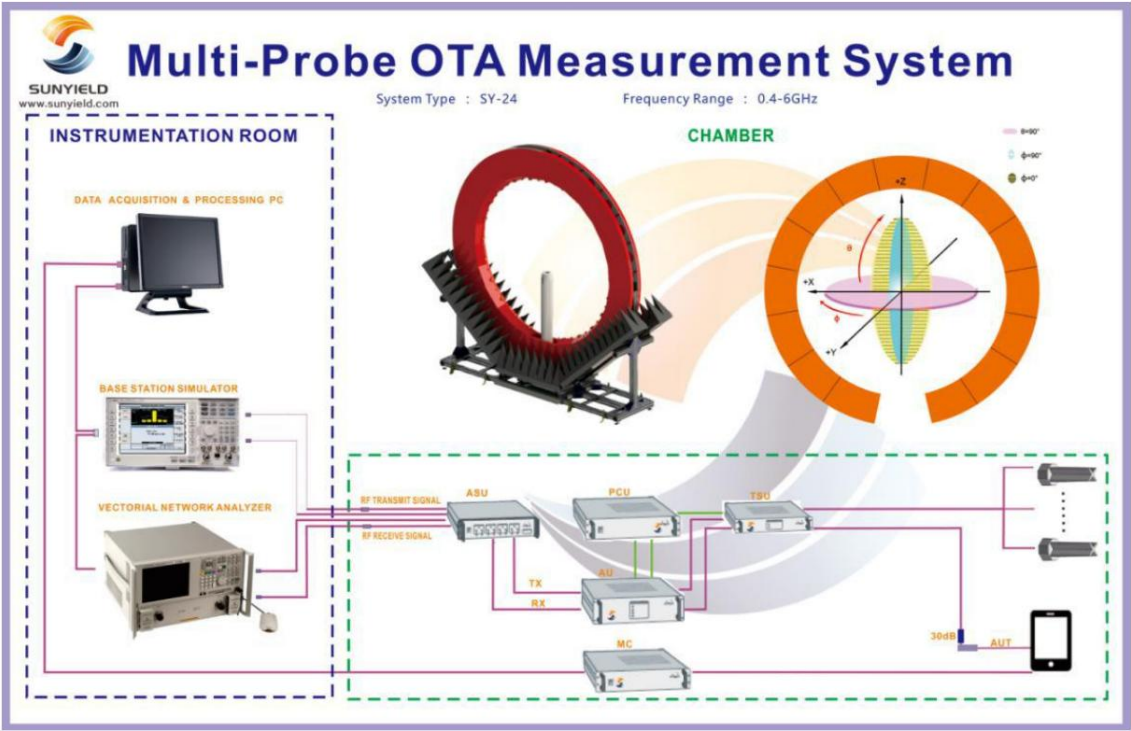
07 建议和总结: (Recommendations and Summary:)

项目概况 (Project Overview)

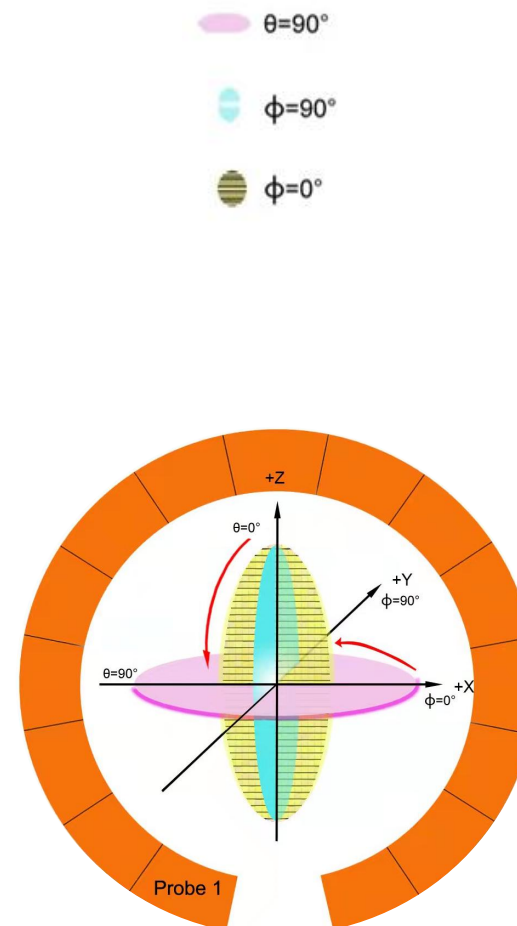
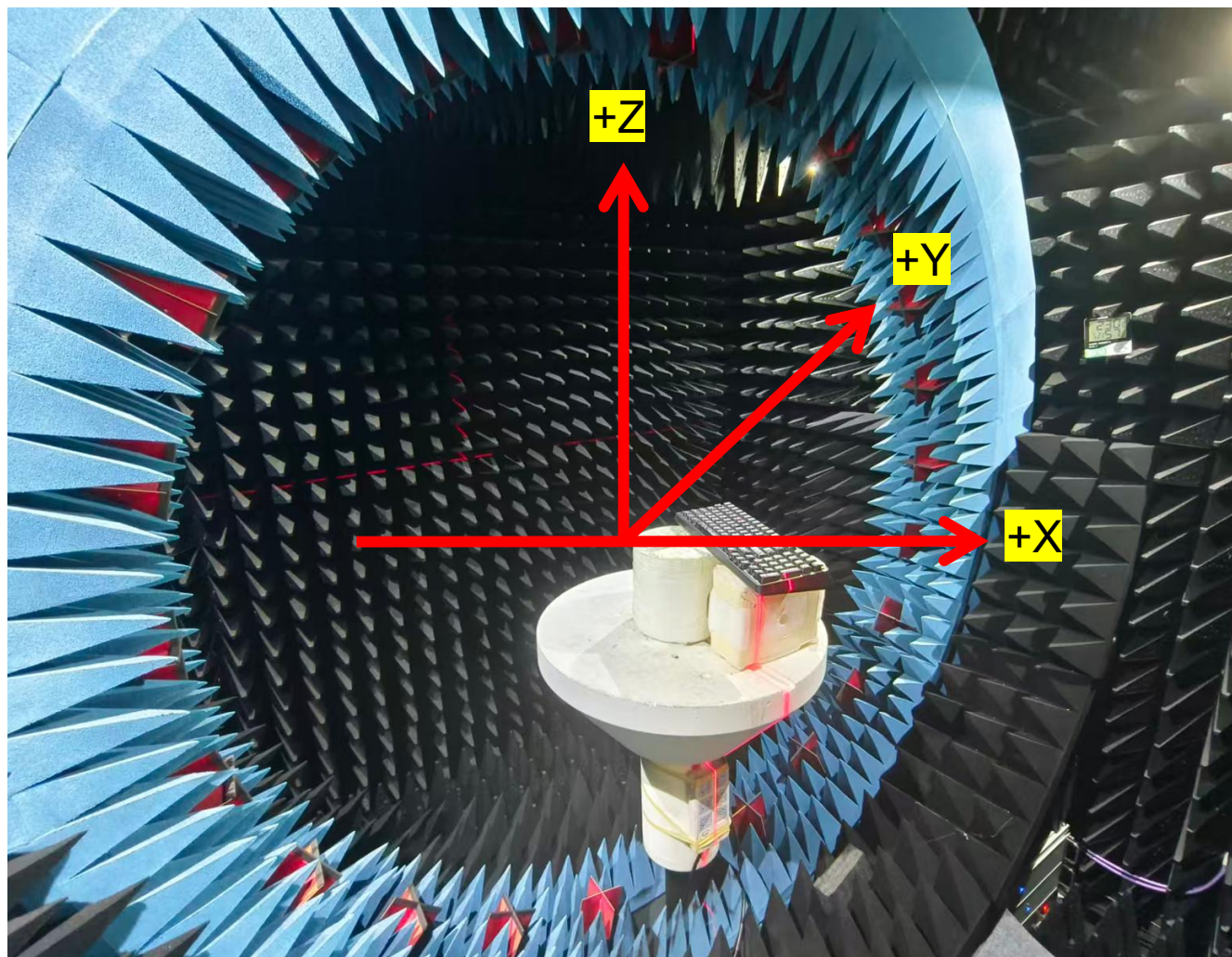
客户名称 Customer Name		项目名 Project Name	天线数目 Antenna Number	天线类型 Antenna Type
川东		8959-2	1	板载天线
天线频段 Frequency Bands				
WIFI		/		
BT	✓	2400-2500MHz		
GNSS		/		
NB		/		
2G		/		
3G		/		
4G		/		
5G		/		

测试环境 (Test Environment)

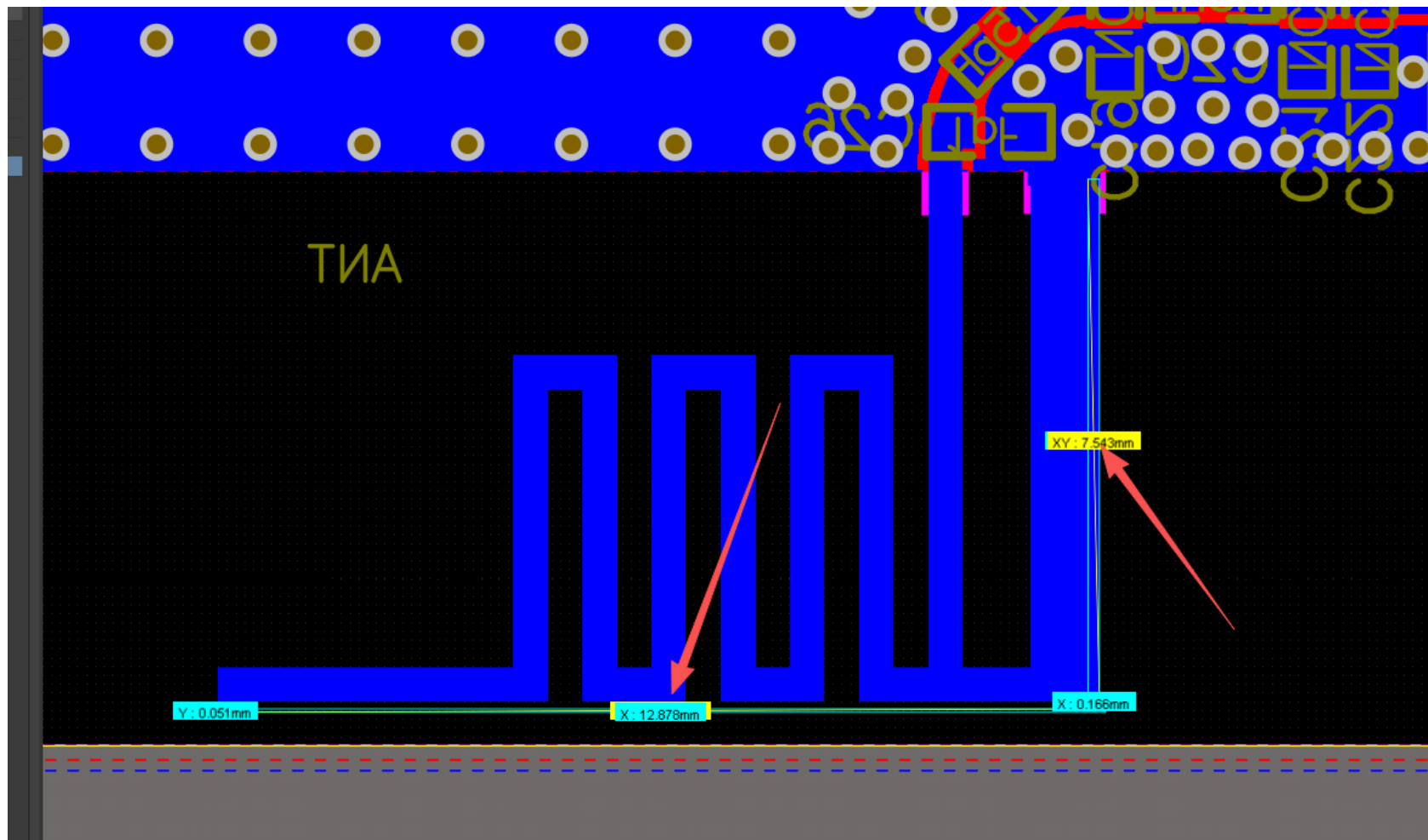
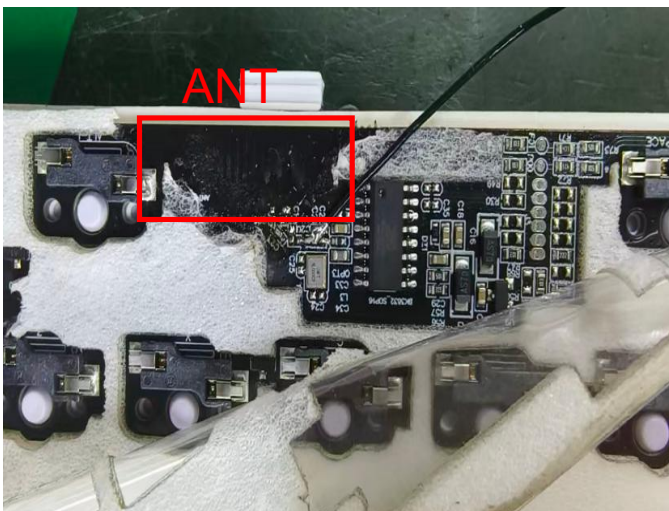
Test Equipment	Agilent E5071B 300 kHz - 8.5 GHz
Test System	SY-24M SISO/MIMO, 400 - 8500MHz



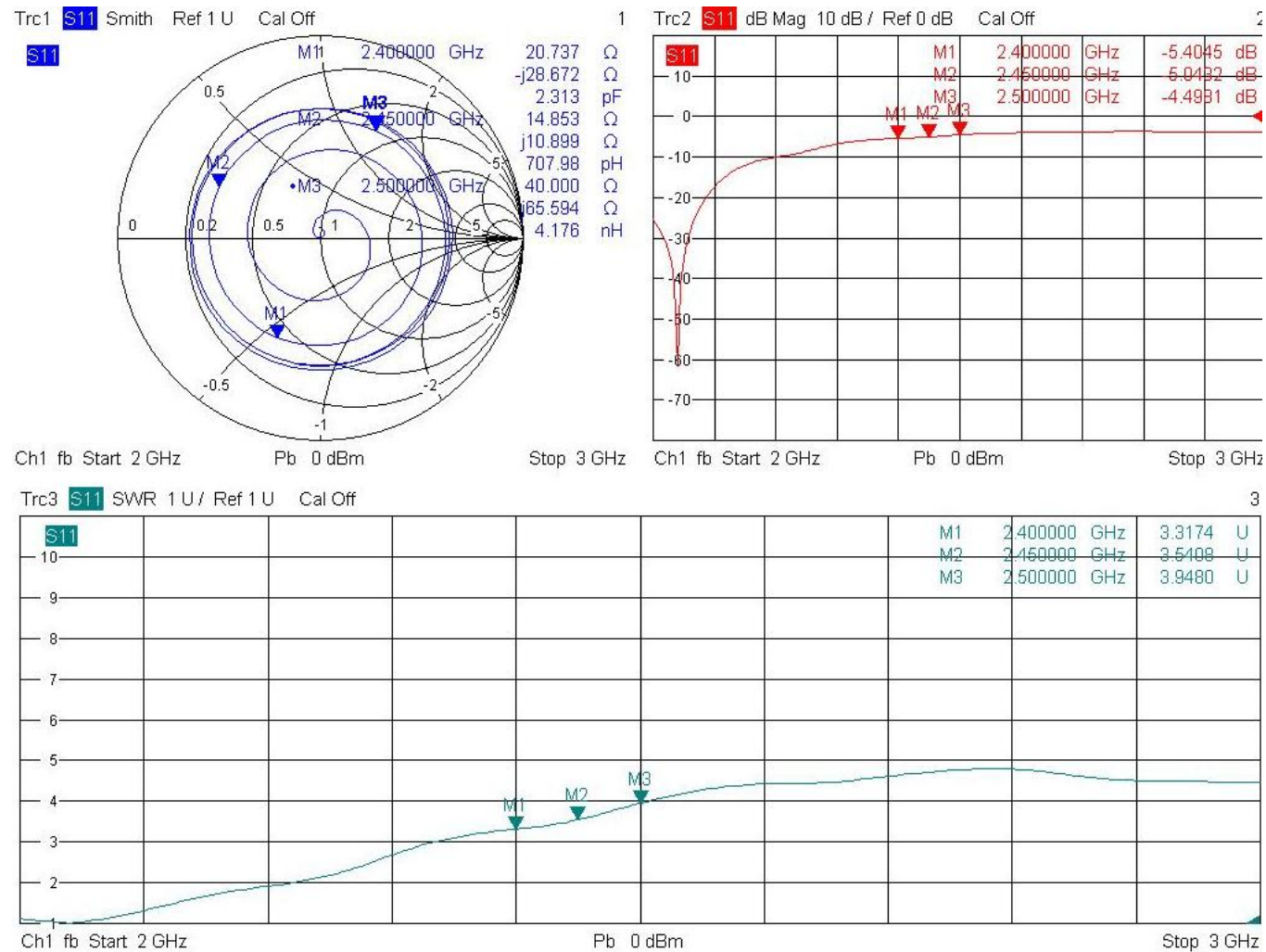
测试环境 (Test Environment) -鼠标



天线图片和位置 (Antenna picture and position) -原始状态



无源测试：驻波比 (Passive test: VSWR) -原始状态

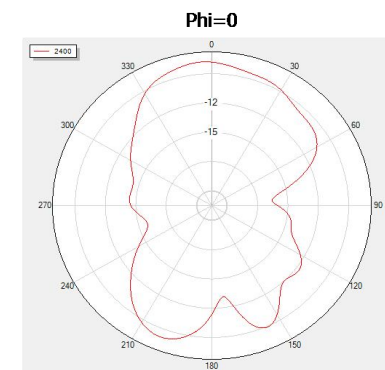
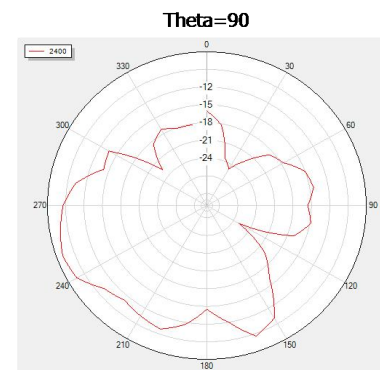
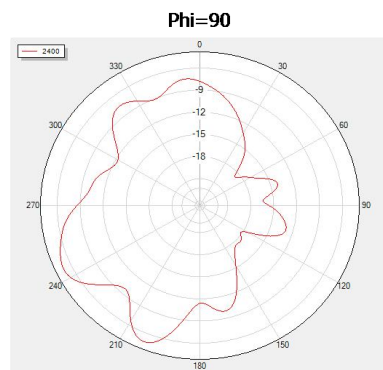
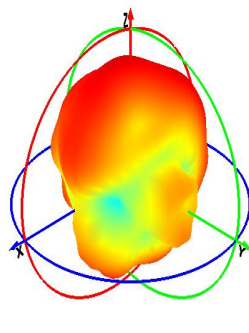


无源测试：效率和增益 (Passive test: Efficiency&Gain) -原始状态

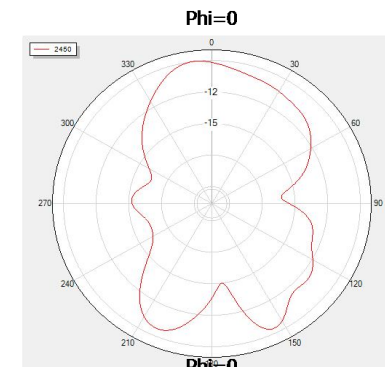
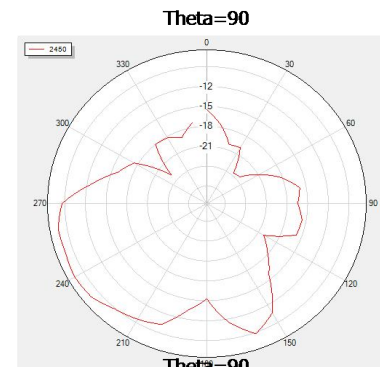
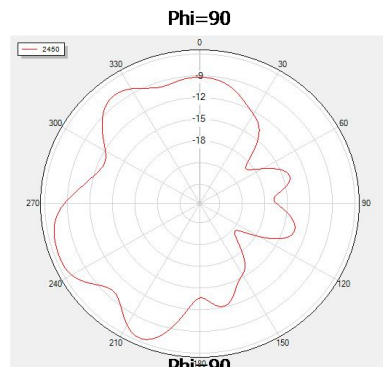
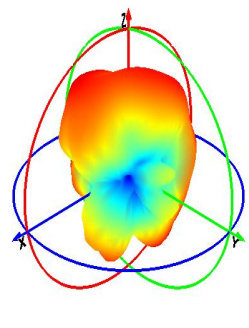
frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(dB)	efficiency 效率(%)
2400.00	-4.51	-10.24	9.46
2410.00	-4.91	-10.72	8.48
2420.00	-5.34	-11.14	7.70
2430.00	-5.59	-10.99	7.97
2440.00	-5.87	-11.01	7.93
2450.00	-6.26	-11.43	7.20
2460.00	-6.21	-11.37	7.30
2470.00	-5.87	-11.31	7.39
2480.00	-6.07	-11.69	6.78
2490.00	-6.47	-12.01	6.30
2500.00	-6.39	-11.92	6.43

方向图 (Directional diagram) -原始状态

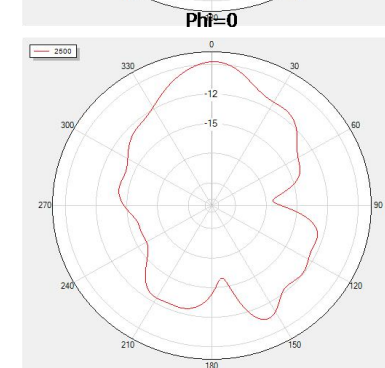
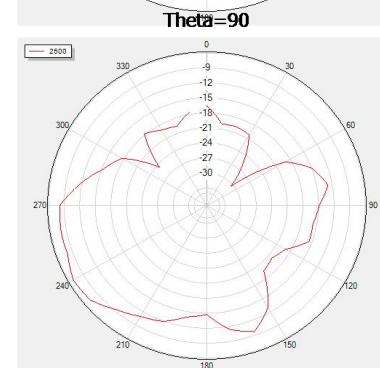
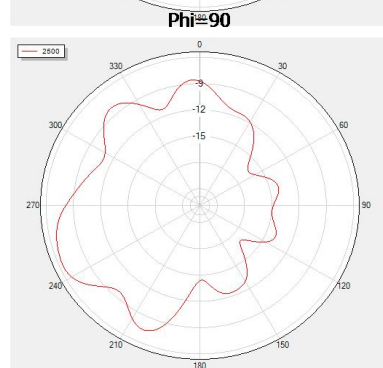
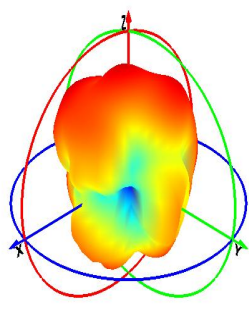
2400MHz



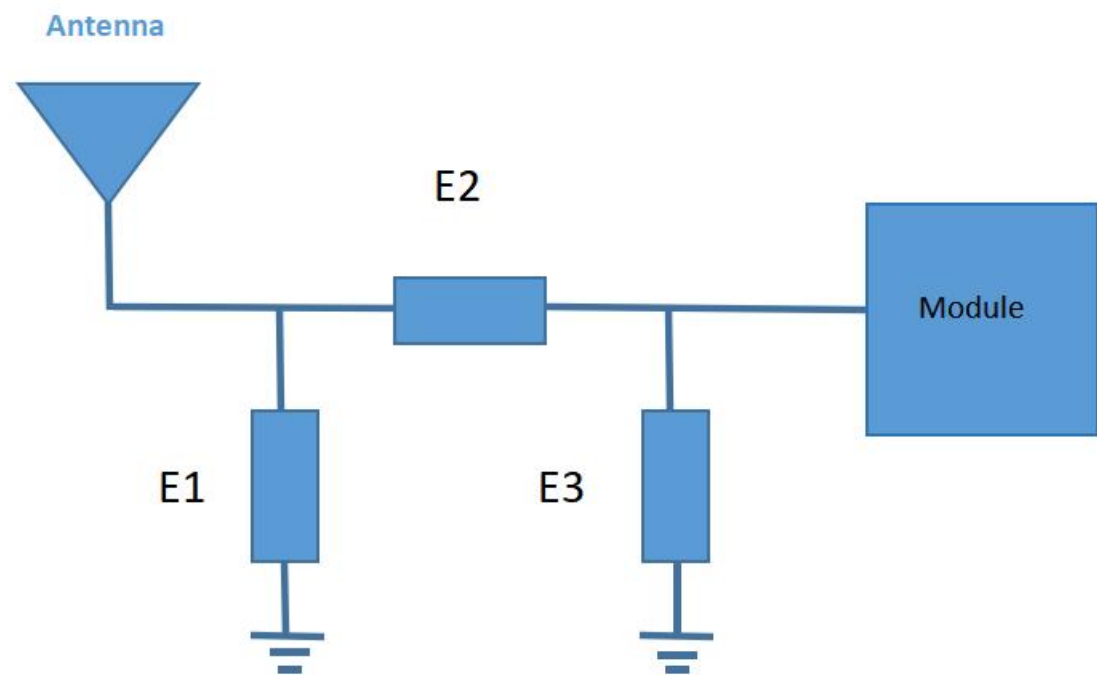
2450MHz



2500MHz



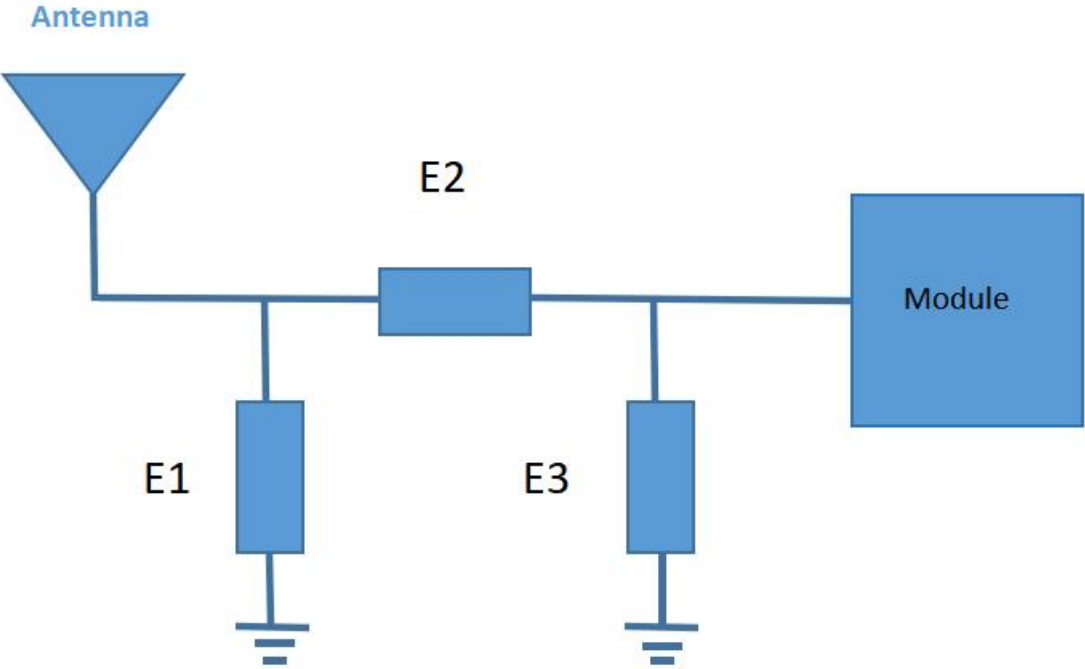
匹配电路 (Matching circuit) -原始状态



匹配参数未使用原始状态参数。

E1	E2	E3
NA	NA	NA

匹配电路 (Matching circuit) -接收器



E1	E2	E3
NA	0.5PF	NA

匹配参数:
IC--串0.5PF-ANT

建议和总结: (Recommendations and Summary:)

如上为8959-2项目天线调试报告, 原始状态下有一定的频偏, 去除原始 π 型匹配参数, 并位未使用, 串位串联0.5PF电容后效率在35%以上, 如上请客户评估, 谢谢!

