

Antenna Test Report

For

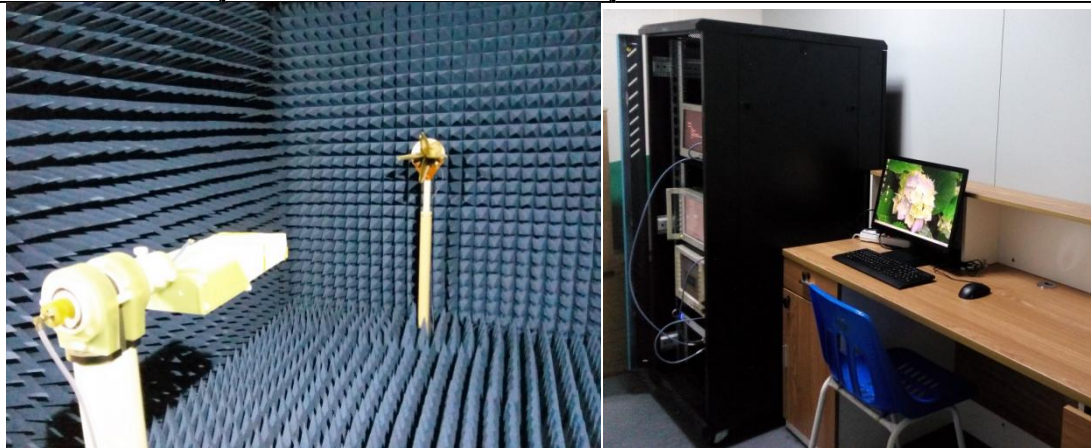
Project SH-301

Version: V1

Customer	和宏	Project	SH-301
Band	BT	Color	
Issued by	冯工	Checked by	
Confirmed by		Date	2025.5.15

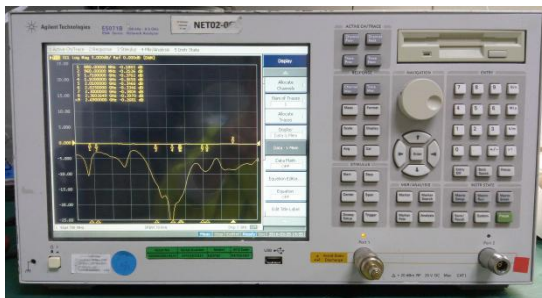
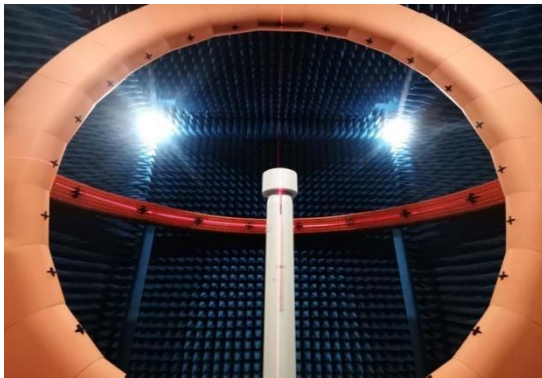
This test report belongs to ShenZhen NQI network communication ltd. and related clients to file, please keeping it properly, without our company and related clients allowed, anybody has no rights to reveal it to public.

	测试项目	设备
1. S 参数	1. 回波损耗(RL) 2. 驻波比 (VSWR)	网络分析仪: Agilent E5071B RS ZVB8
2. 耦合测试	1. 发射功率 (MAX Power) 2. 接收灵敏度 (MIN Sens)	1.2G/3G 测试设备: Agilent 8960 2. 微波暗室: 广屏 ETS 3D Chamber (5x3x3)
3. 3D 无源测试 (Passive Test)	1. 效率 (η) 2. 增益 (Gain) 3.辐射方向图	1. 微波暗室: TEM24 3D Chamber (5x5x5) 广屏 ETS 3D Chamber (5x3x3) 2. 网络分析仪: Agilent E5071B
4.3D 有源测试 (Active Test)	1. 3D 功率 (TRP) 2. 3D 灵敏度 (TIS) 3.吞吐测试 4.人头手测试 5.人头耳测试	1. 微波暗室: TEM24 3D Chamber (5x5x5) 广屏 ETS 3D Chamber (5x3x3) 2.2G/3G 测试设备: Agilent 8960 3.4G 测试设备: 安立 MT8820C/CMW500 4.WIFI/BT/NB-iot 测试设备: CMW500 5. 5G 测试设备: 星河亮点 SP9500-CTS





深圳市国质信网络通讯有限公司
ShenZhen NQI network communication ltd



二. Definitions

VSWR: Voltage Standing Wave Rate

TRP: total radiated power

TIS: total isotropic sensitivity

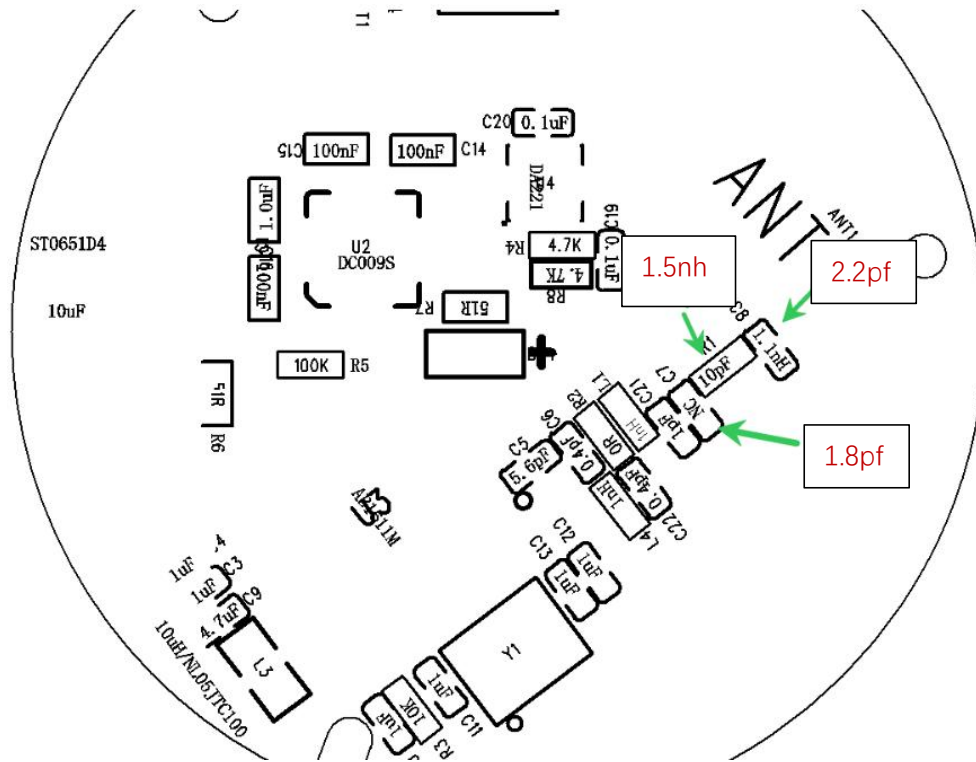
三 . Cell-Phone Photo and Dealing Methord



This test report belongs to ShenZhen NQI network communication ltd. and related clients to file, please keeping it propely, without our company and related clients allowed, anybody has no rights to reval it to public.



四. 匹配电路



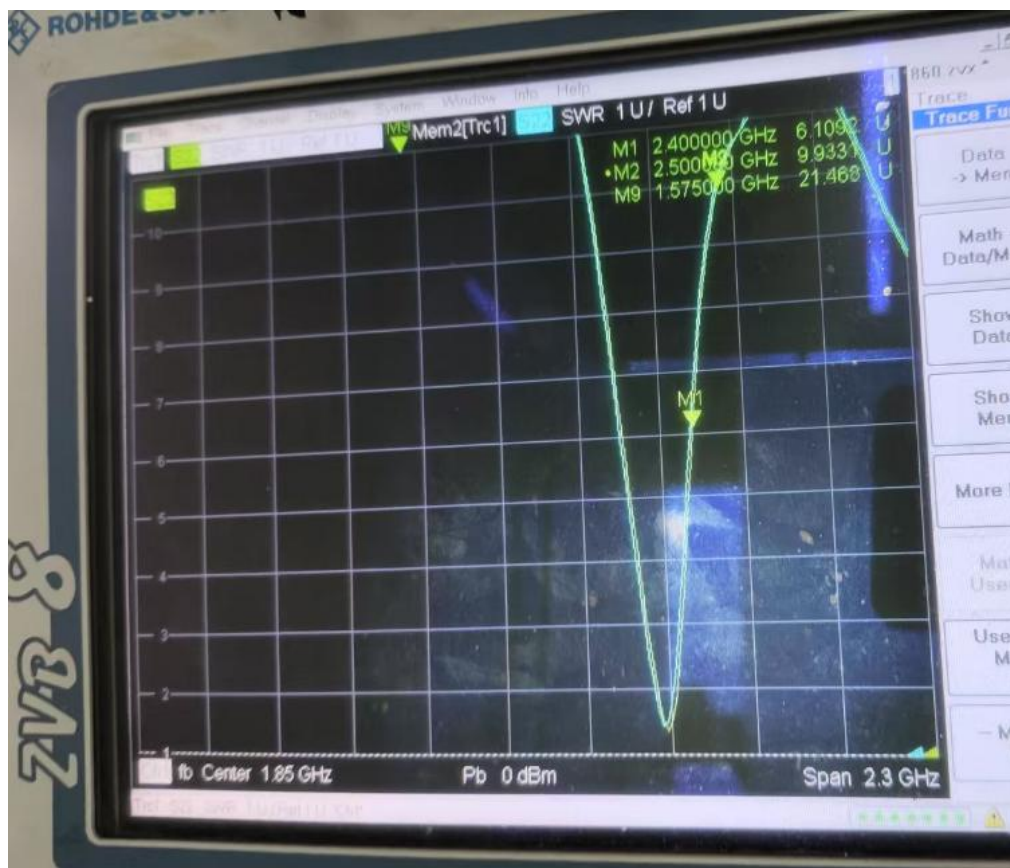


深圳市国质信网络通讯有限公司
ShenZhen NQI network communication ltd

五.无源测试

原天线无源

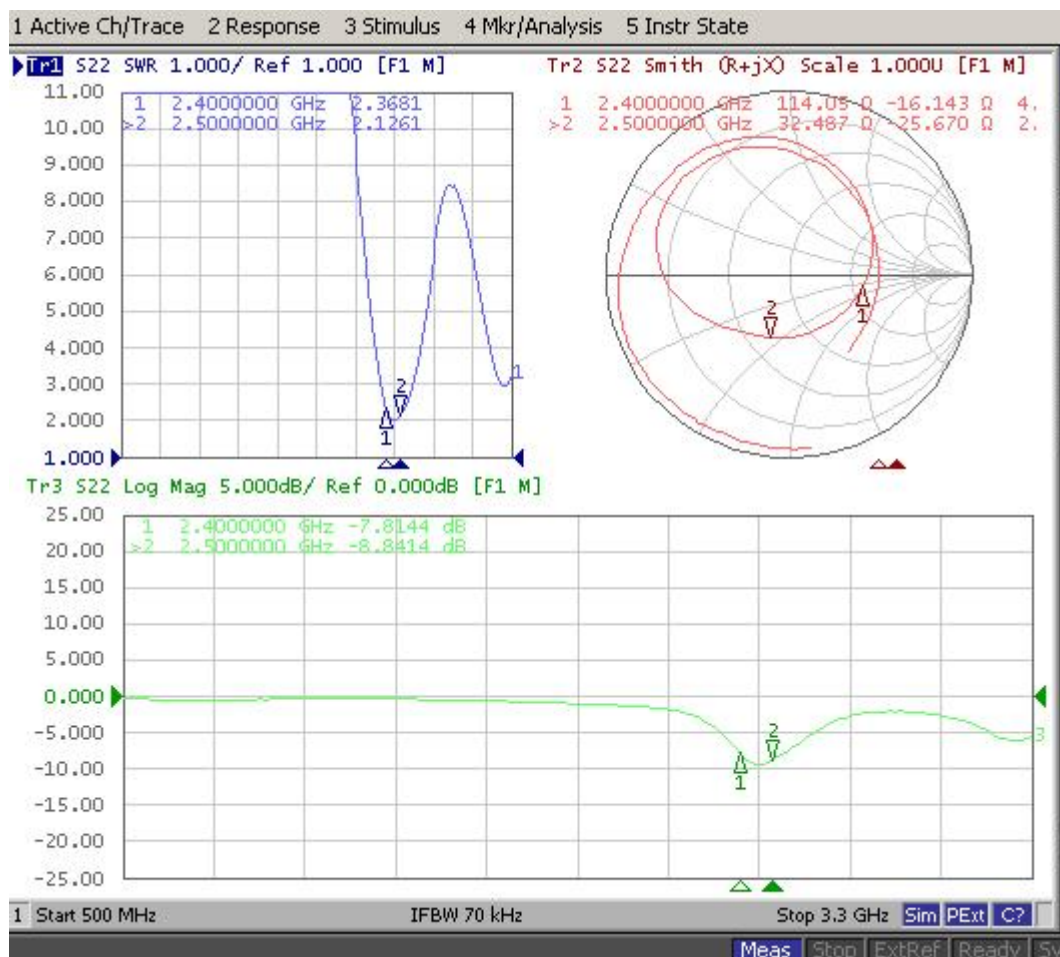
(原天线匹配装整机后频偏比较大, 只看了无源, 没测效率)



This test report belongs to ShenZhen NQI network communication ltd. and related clients to file, please keeping it propely, without our company and related clients allowed, anybody has no rights to reval it to public.

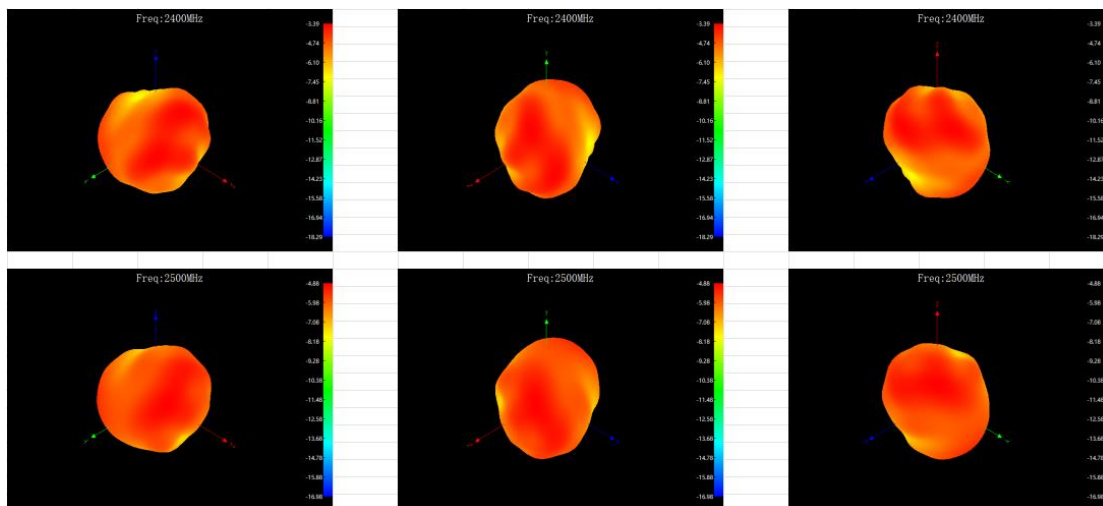


优化匹配后





Frequenc y/Mhz	Efficiency / %	MaxGain/ dBi
2400	16.11	-3.39
2410	15.49	-3.23
2420	15.96	-3.51
2430	15.85	-3.56
2440	16.41	-3.77
2450	16.44	-3.72
2460	16.52	-3.77
2470	15.85	-4.13
2480	14.35	-4.23
2490	14.61	-4.63
2500	14.65	-4.88



This test report belongs to ShenZhen NQI network communication ltd. and related clients to file, please keeping it propely, without our company and related clients allowed, anybody has no rights to reval it to public.