

Antenna Test Report

For

Project SH-206

Manufacturer: SHENZHEN DNS INDUSTRIES CO., LTD.

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Version: V1

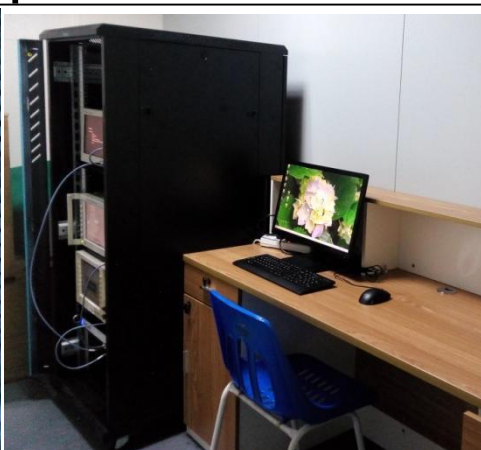
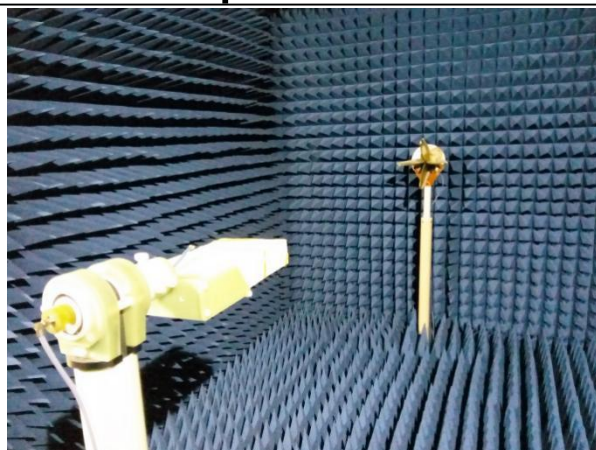
Customer	和宏	Project	SH-206 系列
Band	BT	Color	
Issued by	冯工	Checked by	
Confirmed by		Date	2025.2.28

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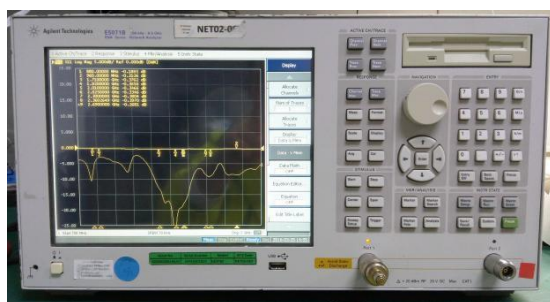
一. 测试设备

	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
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二. Definitions

VSWR: Voltage Standing Wave Rate

TRP: total radiated power

TIS: total isotropic sensitivity

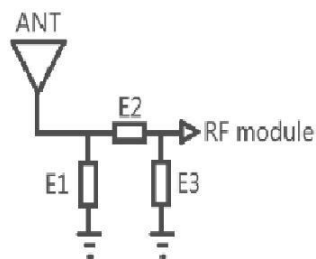
三 . Cell-Phone Photo and Dealing Methord



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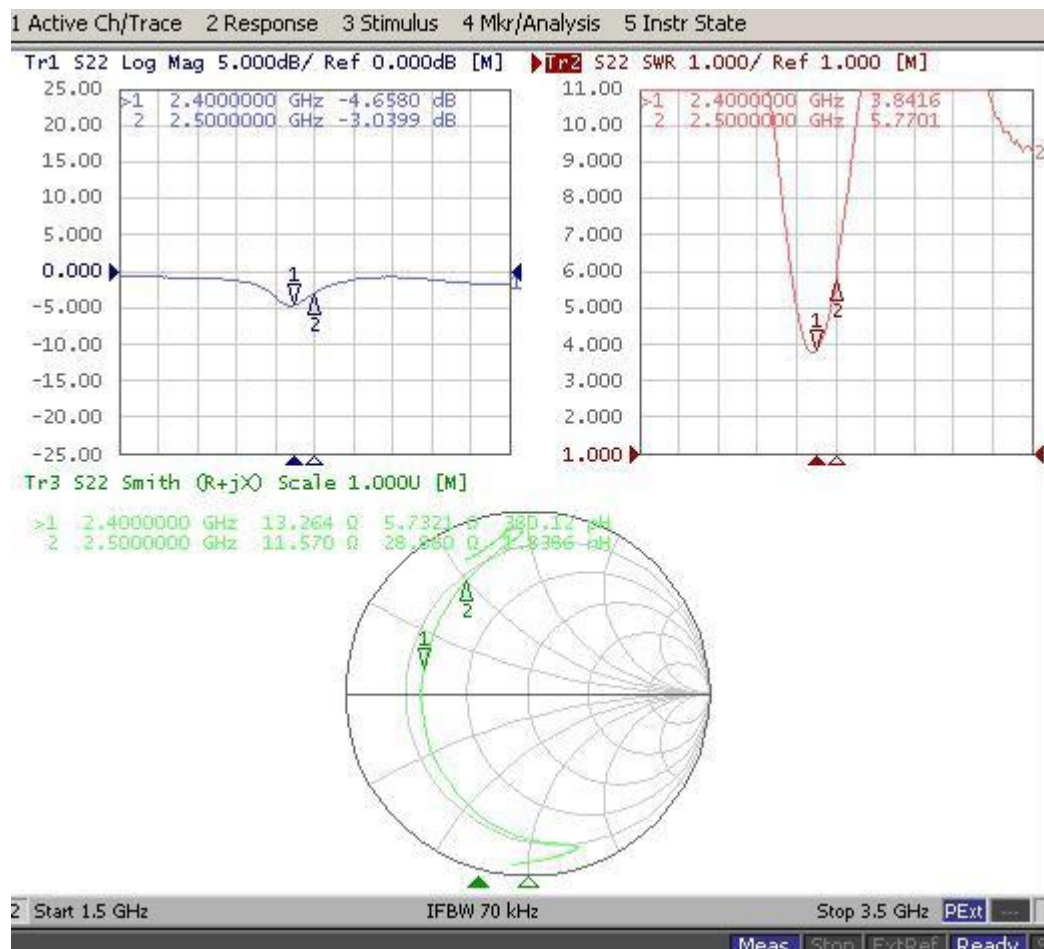
四. 匹配电路



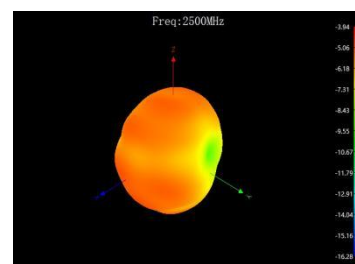
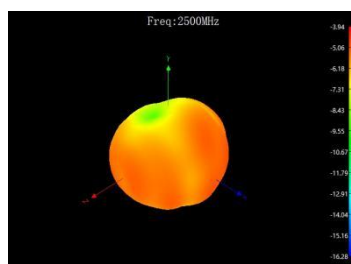
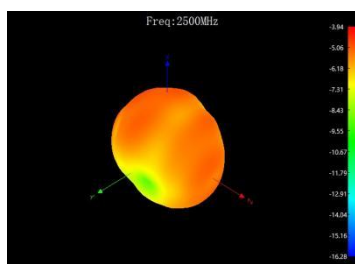
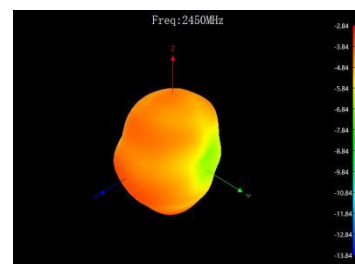
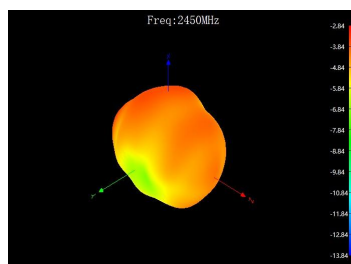
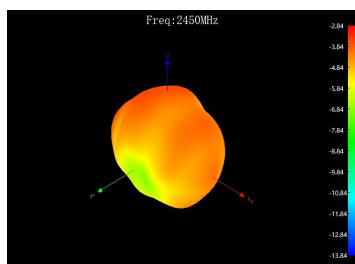
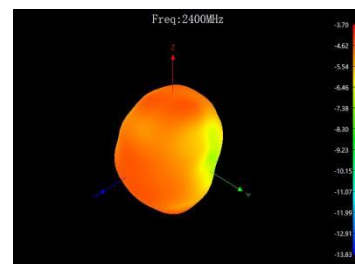
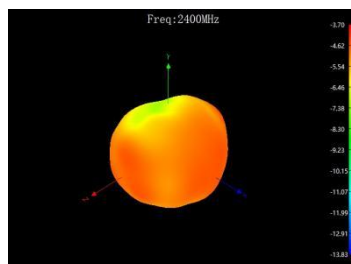
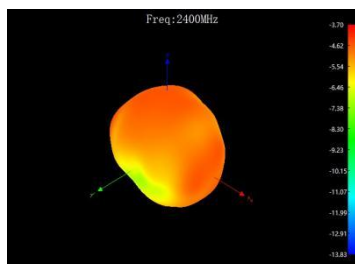
Element	(Value)
E1(0201)	按照本次主板
E2(0201)	自带匹配电
E3(0201)	路，无更改



五.无源测试



Frequenc y/Mhz	Efficiency / %	MaxGain/ dBi
2400	16.67	-3.7
2410	16.03	-3.79
2420	16.98	-3
2430	17.5	-2.9
2440	18.49	-2.94
2450	18.84	-2.84
2460	19.32	-3.13
2470	18.97	-3.26
2480	16.6	-4.12
2490	16	-4.03
2500	15.42	-3.94



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