



深圳市星源创科技有限公司

SHENZHEN Xingyuanchuang TECHNOLOGY CO., LTD

# 天线测试报告

Antenna Test Report

*TC: MRX04*

*MN: DC1*

*RF: JINPINGDAI*

*MD: QINGQINGHUANG*

*Date: 2025. 04. 02*

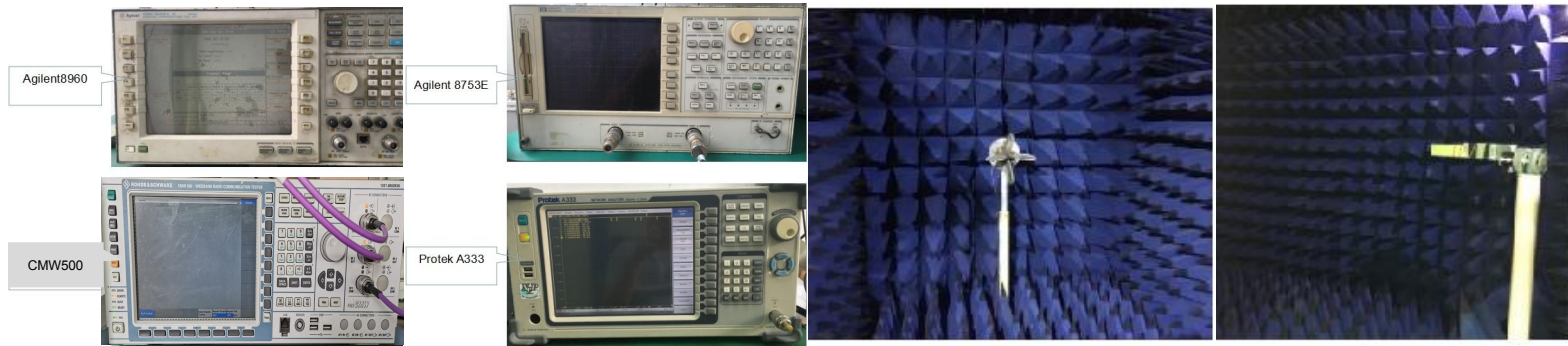
*REV :V1. 0*

WIFI ANT Test information		
Frequency	2.4G (2402~2483.5)Mhz	5G (5150~5850) Mhz
Module information		
Driver version information		

## 测试环境

### Test environment

	测试项目	测试设备
S参数 (S-parameter)	1. 电压驻波比 (VSWR) 2. 回波损耗 (Rrtun Loss)	网络分析仪: Agilent8753ES
2. 有源测试 (Active)	1. 发射功率 (TRP) 2. 接收灵敏度 (TIS) 3. 屏灭/屏亮	1. 暗室: 5*3*3m (3D) Chamber 2. 综测仪: Agilent8960 CMW500
3. 无源测试 (Passive)	1. 天线增益 (Gain) 2. 天线效率 (Efficiency)	1. 暗室: 5*3*3m (3D) Chamber 2. 网络分析仪: Agilent 8753ES





ANTENNA

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天线位置

Antenna position





ANTENNA

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无源测试数据  
Passive test data

ANT1 GAIN&amp;Efficiency-WIFI2.4G/BT

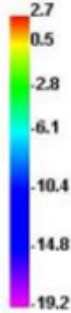
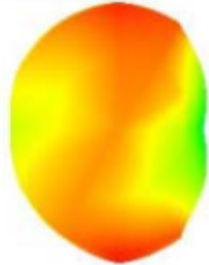
Passive Test 2.4GHz											
Fre. (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Effi (%)	33.92	34.49	33.83	33.81	34.96	33.95	31.71	31.97	27.86	25.53	25.51
Gain(dBi)	0.04	0.30	0.30	0.46	0.65	0.12	0.02	0.24	-1.15	-0.82	-1.02

Passive Test 5GHz											
Fre. (MHz)	5000	5100	5200	5300	5400	5500	5600	5700	5800	5900	6000
Effi (%)	42.72	43.77	47.11	49.27	50.14	48.92	45.43	44.62	38.29	38.33	37.35
Gain(dBi)	1.38	1.29	0.60	1.46	1.65	0.86	0.98	0.84	0.43	0.96	-0.29

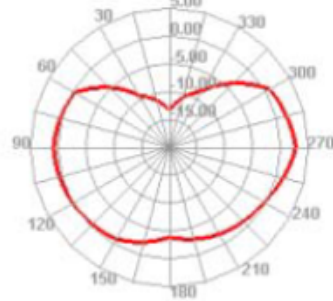
无源测试数据  
Passive test data

ANT1 Direction of figure(5G)

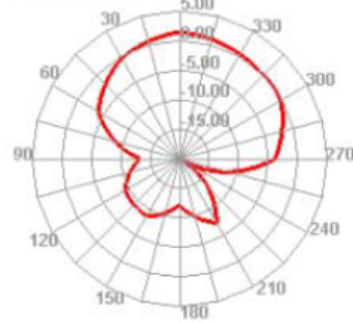
2450.000MHz



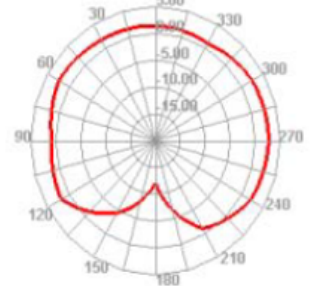
2450.000MHz H



2450.000MHz E1



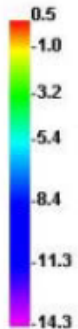
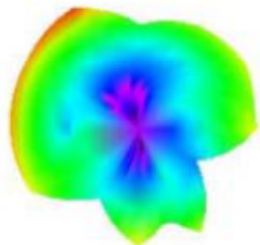
2450.000MHz E2



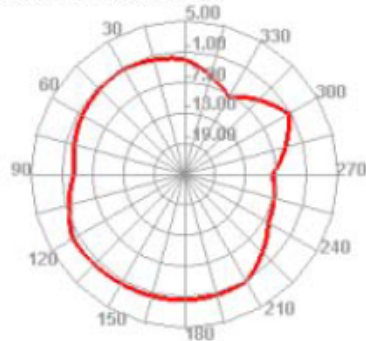
无源测试数据  
Passive test data

ANT1 Direction of figure(2.4/BT)

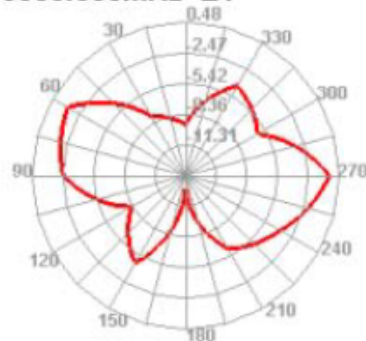
5000.000MHz



5000.000MHz H



5000.000MHz E1



5000.000MHz E2

