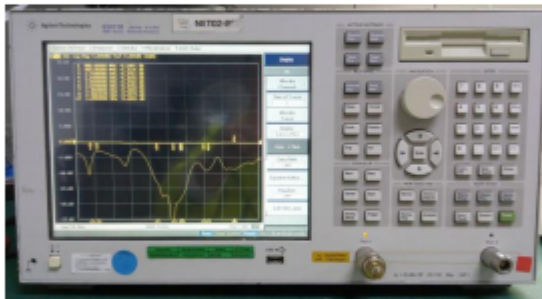
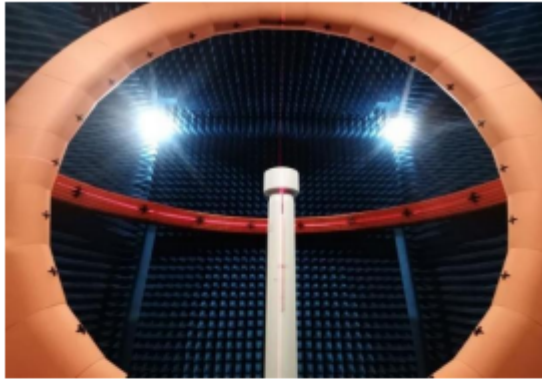


Shenzhen Me Microelectronics Co., Ltd.

Antenna data sheet

V7

	测试项目 Test the project	设备 equipment
1. S 参数 parameter	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 Coupling test	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



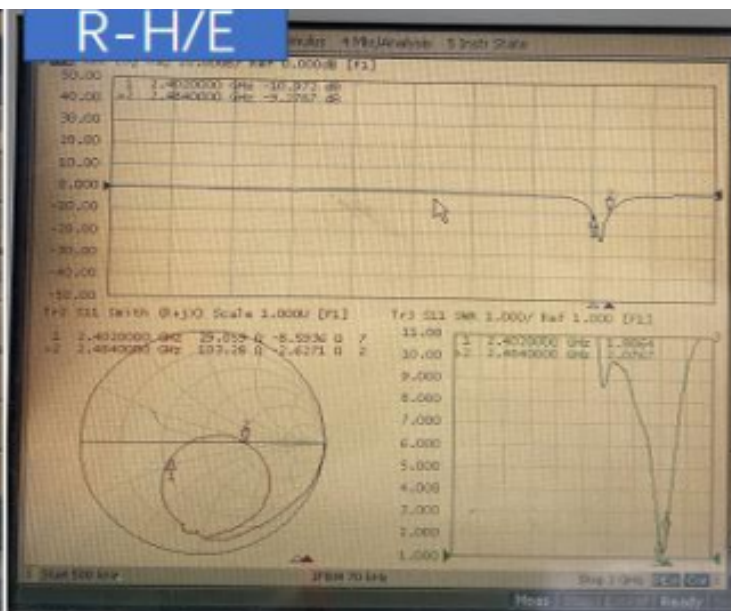
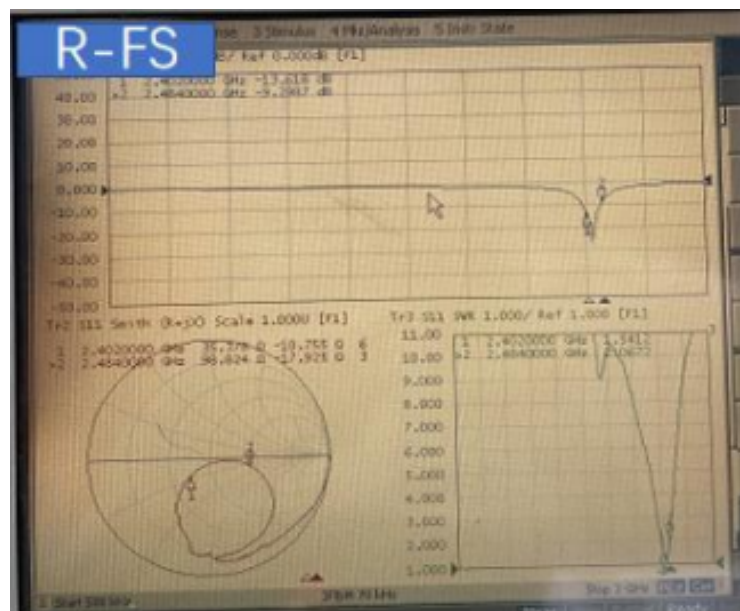
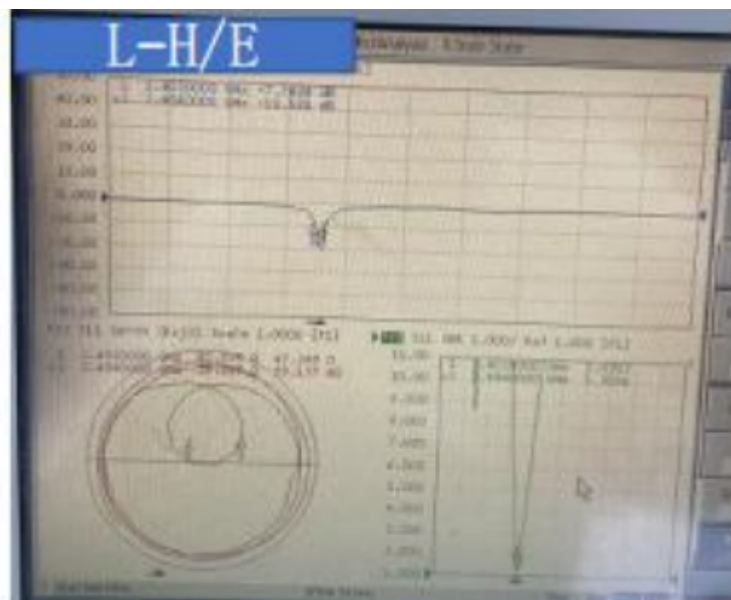
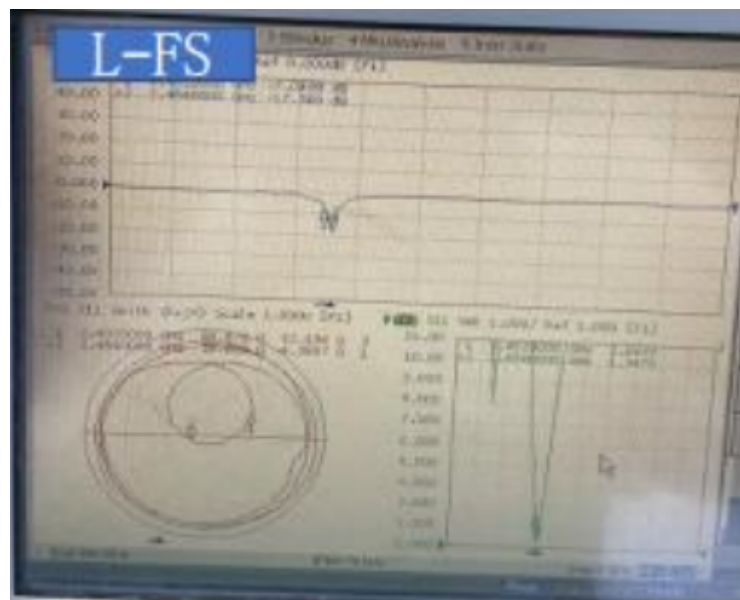
二. Definitions

VSWR: Voltage Standing Wave Ratio

TRP: total radiated power

TIS: total isotropic sensitivity

三. Cell-Phone Photo and Dealing Method



2.2.5 天线无源参数

Antenna passive parameters

Test	L								
Test Point ID	1	2	3	4	5	6	7	8	9
Freq. (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480
Efficiency (%)	22%	23%	25%	26%	26%	25%	24%	23%	22%
效率(dB)	-6.3	-6.2	-6.0	-5.9	-5.9	-6.1	-6.2	-6.3	-6.4
增益(dBi)	-2.3	-2.2	-2.3	-1.9	-1.8	-2.0	-1.7	-2.0	-2.1

Test	R								
Test Point ID	1	2	3	4	5	6	7	8	9
Freq. (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480
Efficiency (%)	23%	22%	24%	26%	25%	24%	25%	23%	22%
效率(dB)	-6.2	-6.1	-6.2	-5.9	-6.2	-6.2	-6.1	-6.3	-6.4
增益(dBi)	-2.1	-2.3	-2.3	-1.8	-1.7	-1.7	-1.8	-1.6	-1.5

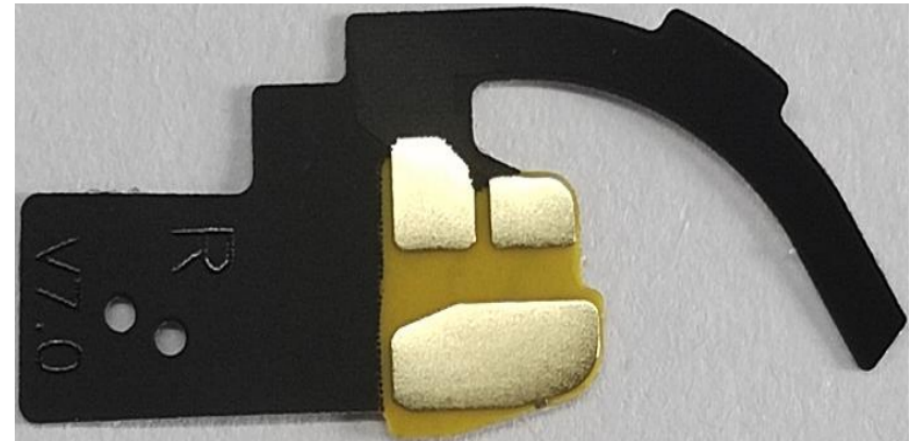
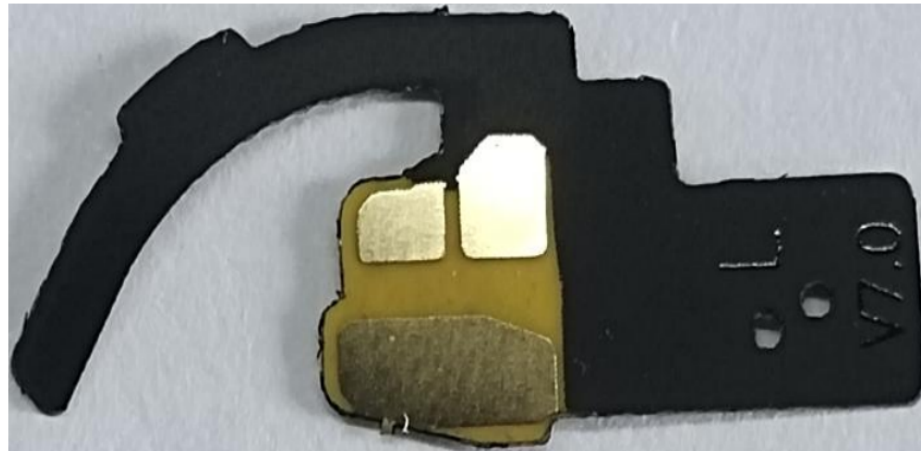
OTA

Free space	L		
CHANNEL	0	39	78
TRP (dBm)	0.65	1.15	1.68
TIS (dBm)	-85.65	-55.44	-86.01
Head/ear	L		
CHANNEL	0	39	78
TRP (dBm)	-3.48	-3.12	-2.85
TIS (dBm)	-82.11	-81.58	-82.02

Free space	R		
CHANNEL	0	39	78
TRP (dBm)	0.77	1.42	1.85
TIS (dBm)	-84.78	-85.44	-85.90
Head/ear	R		
CHANNEL	0	39	78
TRP (dBm)	3.15	-3.02	-2.47
TIS (dBm)	-81.35	-81.44	-81.36

Supplier:Shenzhen Meienwei Electronics Co., Ltd.

Product picture



Measurement

