

天线规格书

Antenna Sample Confirmation From

供应商名称 Vendor Name	深圳市艾汇科技有限公司 ShenZhen Aihui Technology Co., Ltd				
客户名称 Customer Name	普耐尔				
样品名称 Sample Name	C156				
产品型号 Part Number	FPC				
样品规格 Specification	线长：120mm 1.13线径 双头焊线 右出线				
检验项目 Inspection Item	性能测试 Performance	外观检查 Total Appearance	结构 structure	其它 Others	检验结果 Inspection Result
备注 Remark					
品质审核 QA Audit		工程审核 Engineer Audit	曹杨	业务确认 Sales Confirm	
以下由客户填写 The following are filled by Customer					
客户意见 Customer Evaluation					
客户签字/盖章 Signation/ Chapter by Customer	日期/date:2025. 09. 19				

Antenna Test Report

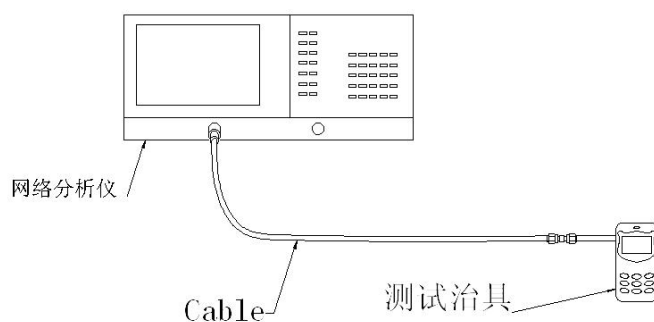
测试单位: 深圳市艾汇科技有限公司 Test by: ShenZhen Aihui Technology Co., Ltd			
材料 Material	FPC+同轴线		
天线类型 Antenna Type	FPC	极化方式 Polarization mode	Linear
应用场景 Application			
工作频段 Band	2400Mhz-2500Mhz	VSWR	≤2
功率 Power	Max: 2W	阻抗 Impedance	50Ω
增益 dBi	≥1dBi		
测试设备 Test Equipment	HPE5071C、Shielding Room、3D automatic turntable		
Antenna Description:: 1. Grounding processing and picture description: no 2. Need to change the motherboard to match: no ● Test voltage: 3.6V, check the antenna contact is good before testing. ● The RF cable of the integrated tester is kept in a natural state and can not be curled. Specification:test the specified power level, all indicators must conform to the specifications.			

4. S11 test

4.0 S11 Test Method Description

Testing equipment: Network analyzer (E5071C)

Testing method: Export a 50 ohm CABLE cable from the instrument testing port, calibrate it with a calibration piece, and connect it to the SMA connector of the mobile phone fixture. Record the return loss and standing wave ratio corresponding to the relevant frequency points.



5、 Darkroom testing equipment and data

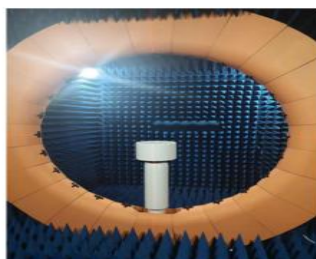
6.0 Testing Equipment

Test system: Shielded darkroom

Test environment: temperature $22\text{ }^{\circ}\text{C} \pm 3\text{ }^{\circ}\text{C}$, humidity $50\% \pm 15\%$

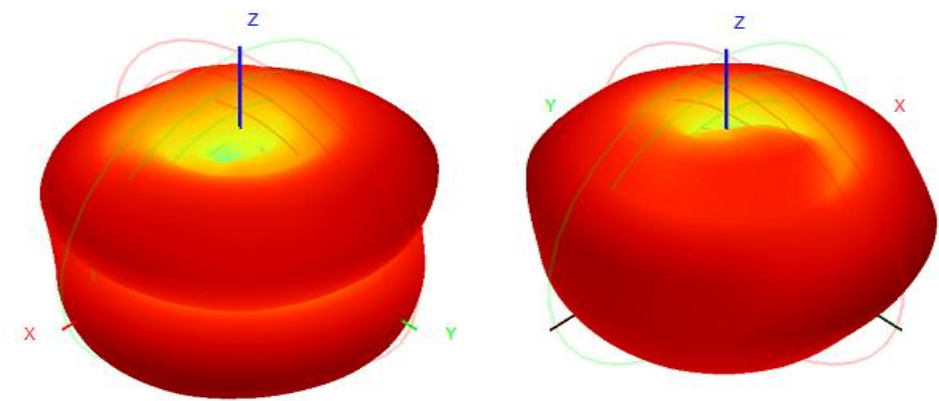
Testing equipment: When testing passive data, use the Agilent E5071C network analyzer

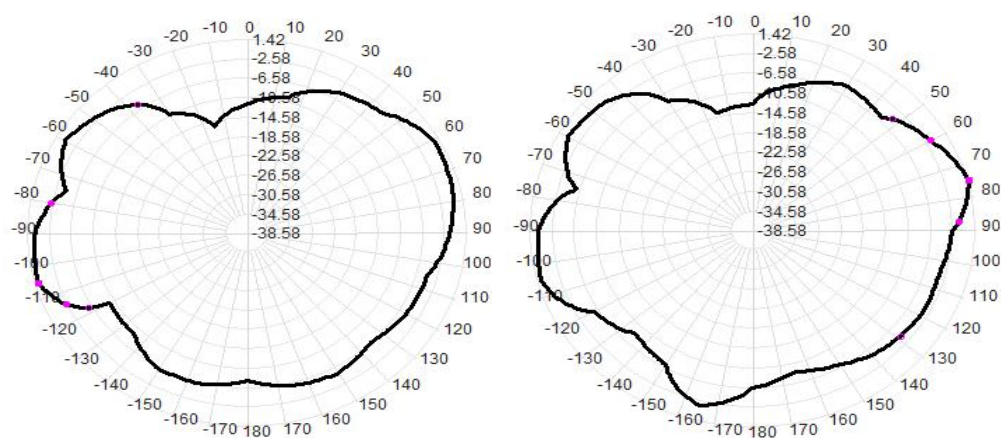
When testing active data, use the comprehensive testing instrument CMW500



6.Passive antenna test data

test data:		
WIFI 2.4G		
Freq(MHz)	Efficiency (%)	Gain (dBi)
2400	58.62	1.06
2410	57.41	1.00
2420	56.55	1.05
2430	57.21	1.42
2440	54.69	1.26
2450	55.25	1.33
2460	54.30	1.40
2470	51.09	1.26
2480	52.30	1.04





6.2 天线驻波比

