

深圳市艾汇科技有限公司
ShenZhen Aihui Technology Co., Ltd

天线规格书

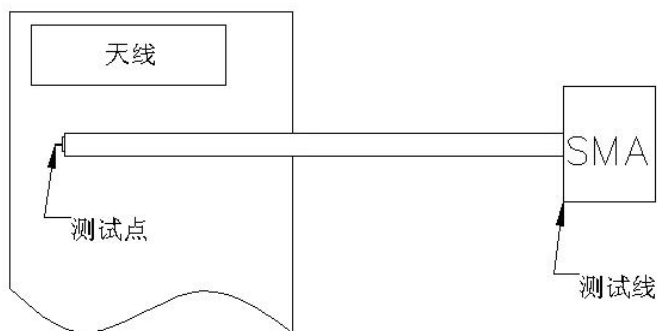
Antenna Sample Confirmation From

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	HK EKO ELECTRONICS LIMITED				
样品名称 Sample Name	QM50-433M				
产品型号 Part Number					
样品规格 Specification	433M				
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
	OK	OK	OK	OK	PASS
备注 Remark					
品质审核 QA Audit		工程审核 Engineer Audit		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	N/A				
客户签字/盖章 Signation/ Chapter by Customer	 日期/date: 2023. 08. 12				

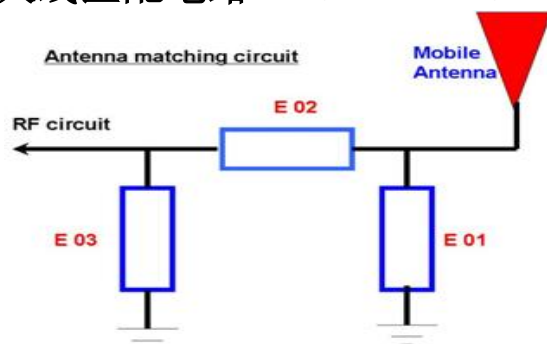
Antenna Test Report

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	copper		
天线类型 Antenna Type	MonopoleType	极化方式 Polarization mode	Linear
应用场景 Application			
工作频段 Band	433M	VSWR	≤2
功率 Power	Max: 2W	阻抗 Impedance	50Ω
增益 dBi	-1.30dBi		
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.			

1、Project Photo



3、天线匹配电路Antenna matching circuit



修改点/Modify

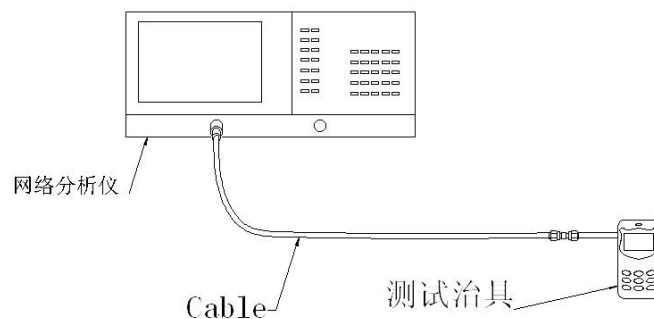
E01	E02	E03
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No	No	No
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4. S11 Test

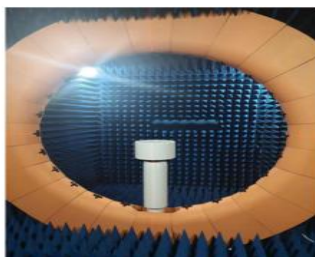


测试示意图

5、测试设备和数据testing equipment and data

测试环境Test Environment: $22^{\circ}\text{C} \pm 3^{\circ}\text{C}$, $50\% \pm 15\%$

测试设备Testing equipment: AgilentE5071C, CMW500



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5.1 天线无源测试数据Antenna passive test data

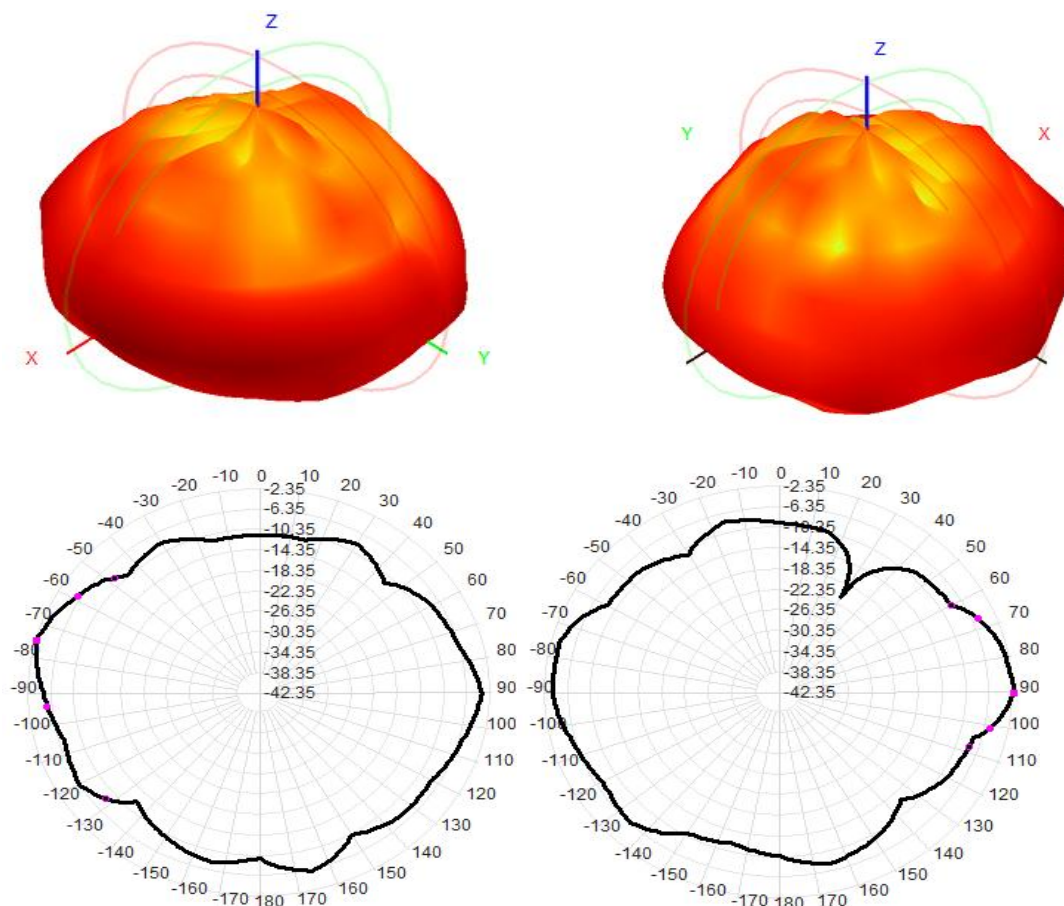
测试数据: Test data		
433Mhz		
Freq(MHz)	Efficiency (%)	Gain (dBi)
430	29.58	-1.51
431	29.36	-1.30
432	30.11	-1.65
433	32.25	-1.74
434	34.25	-1.88
435	31.65	-1.98
436	30.11	-1.55
437	29.60	-1.98
438	28.47	-2.35

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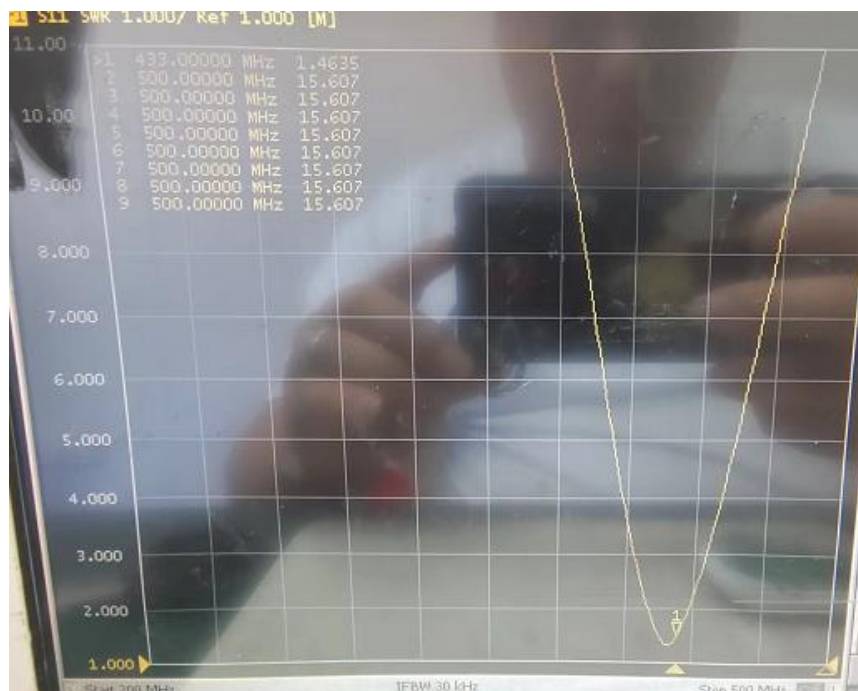
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5.2 SWR



6.1 天线位置Antenna position

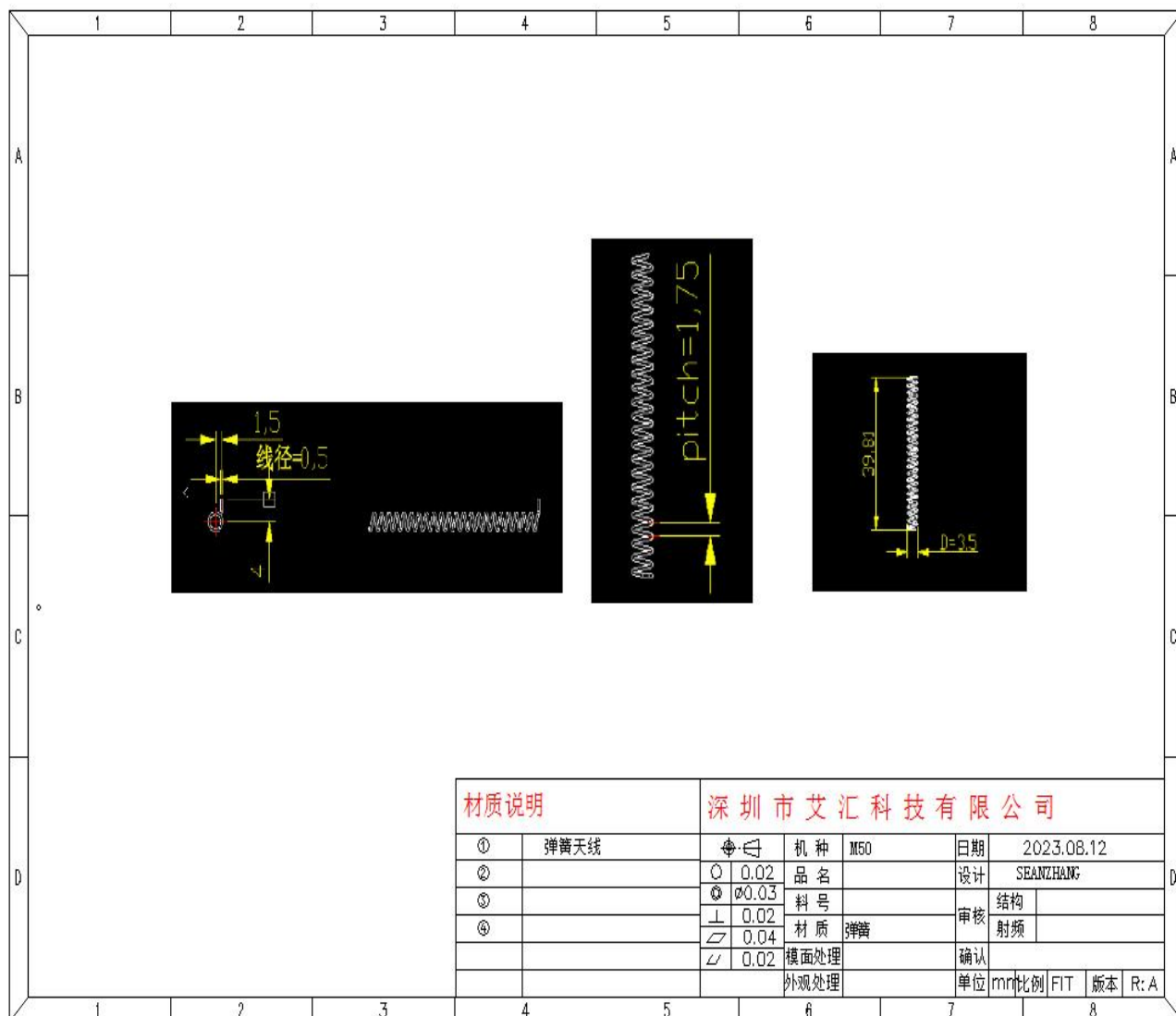
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第 7 页 共 9 页

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第 9 页 共 9 页