

产品规格书
Product Specification

客户名称 Customer Name: 昊之源 HOLLYLAND
项目名称 Project Name: 5601PRO-1.9G
规格描述 Product Spec: FPC Antenna
版 本 REV: V1.0
日 期 Date: 2024-09-12

制作 drawing	审核 check	批准 approved
温勇鹏	王昌荣	蒋振华

客户承认 Customer Approve

审核 check	批准 approved	承认 approval

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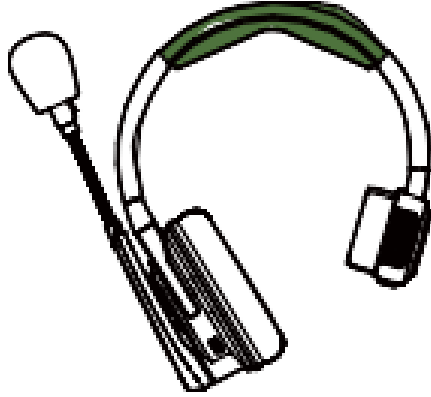
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3. 项目图 Project Chart



5601PRO-1.9G

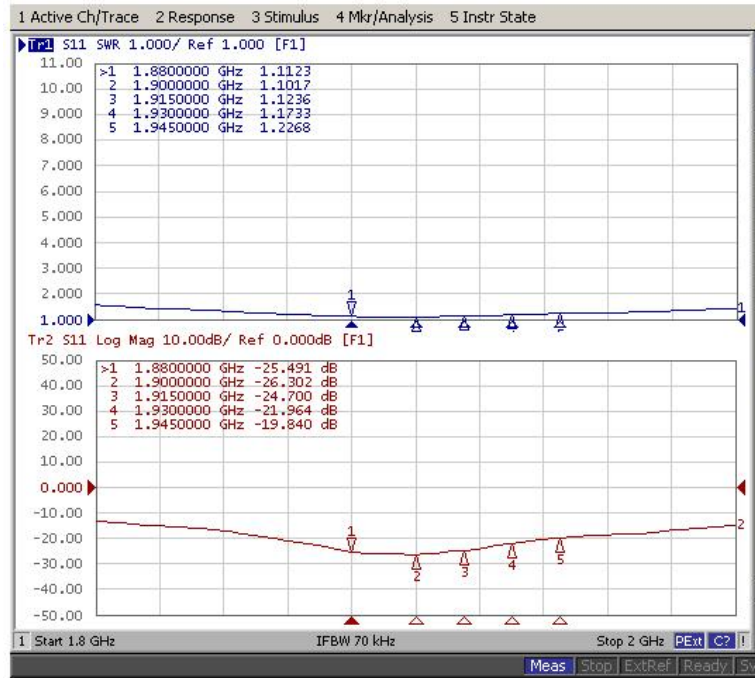
4. 电性能指标 Electrical Performance Index

电 器 性 能 指 标		Electrical Specifications	
频率范围		1880-1930MHz	
电压驻波比	≤ 1.5	VSWR	≤ 1.5
增益	$L \leq 3.27$ DBI	GAIN	$L \leq 3.27$ DBI
	$R \leq 3.01$ DBI		$R \leq 3.01$ DBI
辐射方式	全向	Radiation	OMNI
极化方式	线极化	Polarizatin	LINEAR
输入阻抗	50 Ω	Input Impedance	50 Ω
机 械 性 能 指 标		Mechanical Specifications	
接口形式	弹片接触	Input connector	Shrapnel contact
天线材质	FPC	Antenna materia	FPC
工作温度	-30°C~+80°C	Working Temperature	-30°C~+80°C
工作湿度	40~85%	Working Humidity	40~85%

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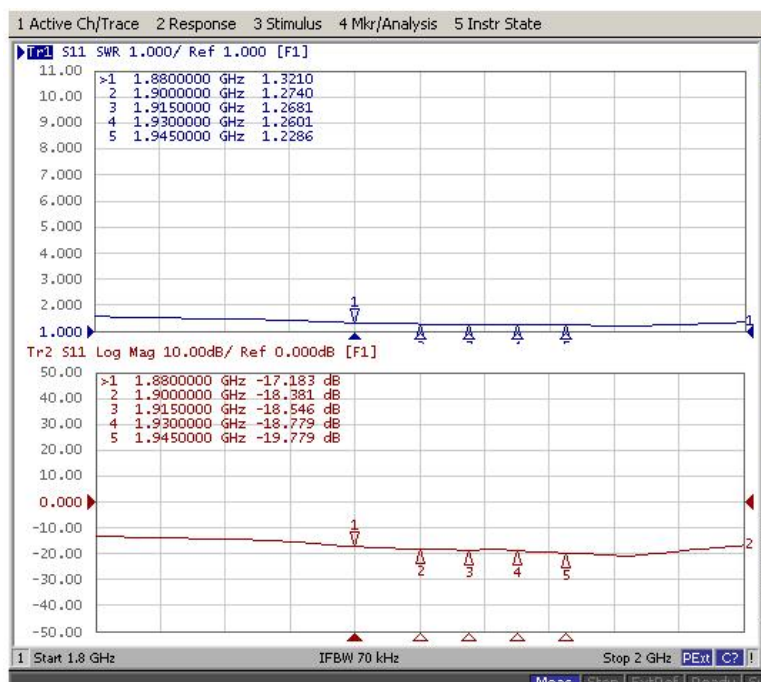
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L(左) 驻波回损 /Standing wave return loss



VSWR

R(右) 驻波回损 /Standing wave return loss



VSWR

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自由空间数据/Free space data：L（左）

Frequency	Efficiency	Efficiency
1880	-1.62	68.87
1885	-1.59	69.34
1890	-1.53	70.31
1895	-1.35	73.28
1900	-1.67	68.08
1905	-1.43	71.94
1910	-1.48	71.12
1915	-1.5	70.79
1920	-1.53	70.31
1925	-1.56	69.82
1930	-1.89	64.71

效率/Efficiency

Frequency	MaxGain/d	AvgGain/d
1880	2.96	-1.62
1885	2.96	-1.59
1890	3.09	-1.53
1895	3.21	-1.35
1900	2.83	-1.67
1905	3.14	-1.43
1910	2.89	-1.48
1915	3.27	-1.5
1920	2.86	-1.53
1925	3.13	-1.56
1930	2.57	-1.89

增益/Gain

自由空间数据/Free space data：R（右）

Frequency	Efficiency	Efficiency
1880	-1.48	71.12
1885	-1.43	71.94
1890	-1.36	73.11
1895	-1.23	75.34
1900	-1.48	71.12
1905	-1.21	75.68
1910	-1.31	73.96
1915	-1.19	76.03
1920	-1.18	76.21
1925	-1.19	76.03
1930	-1.35	73.28

效率/Efficiency

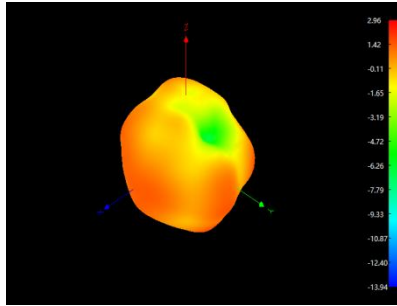
Frequency	MaxGain/d	AvgGain/d
1880	2.85	-1.48
1885	2.89	-1.43
1890	2.84	-1.36
1895	3.01	-1.23
1900	2.61	-1.48
1905	2.98	-1.21
1910	2.69	-1.31
1915	3.01	-1.19
1920	2.69	-1.18
1925	2.98	-1.19
1930	2.85	-1.35

增益/Gain

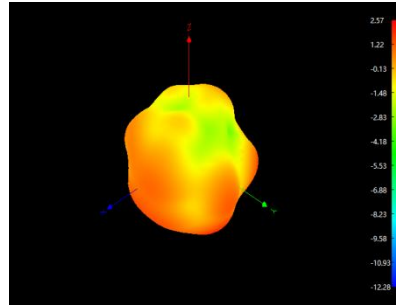
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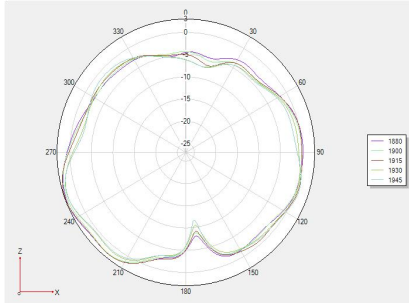
苹果图方向图/Antenna pattern : L 左



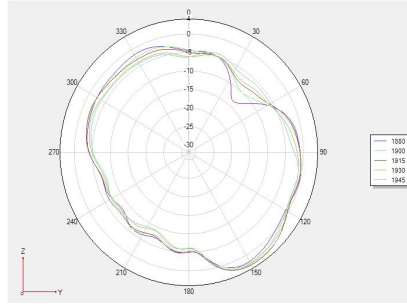
1880MHZ



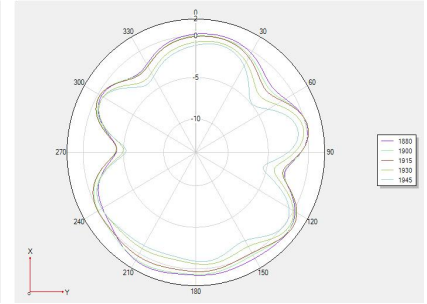
1930MHZ



Z-X

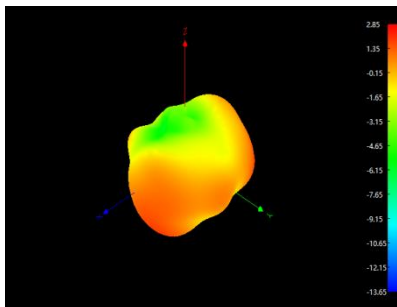


Z-Y

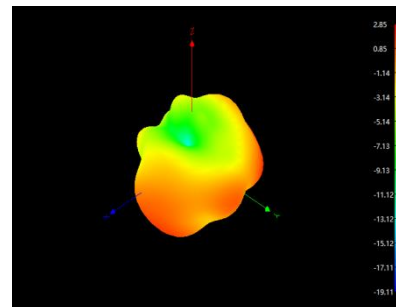


X-Y

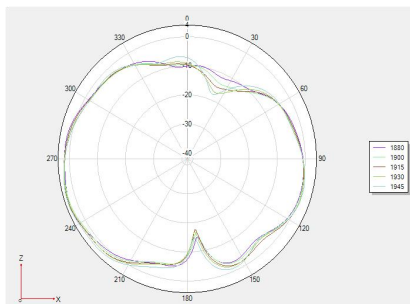
苹果图方向图/Antenna pattern : R 右



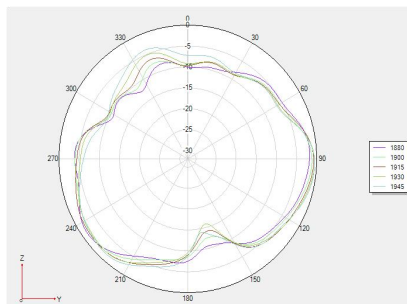
1880MHZ



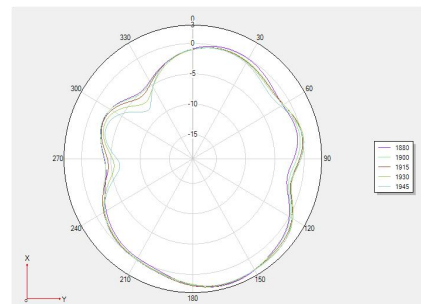
1930MHZ



Z-X



Z-Y

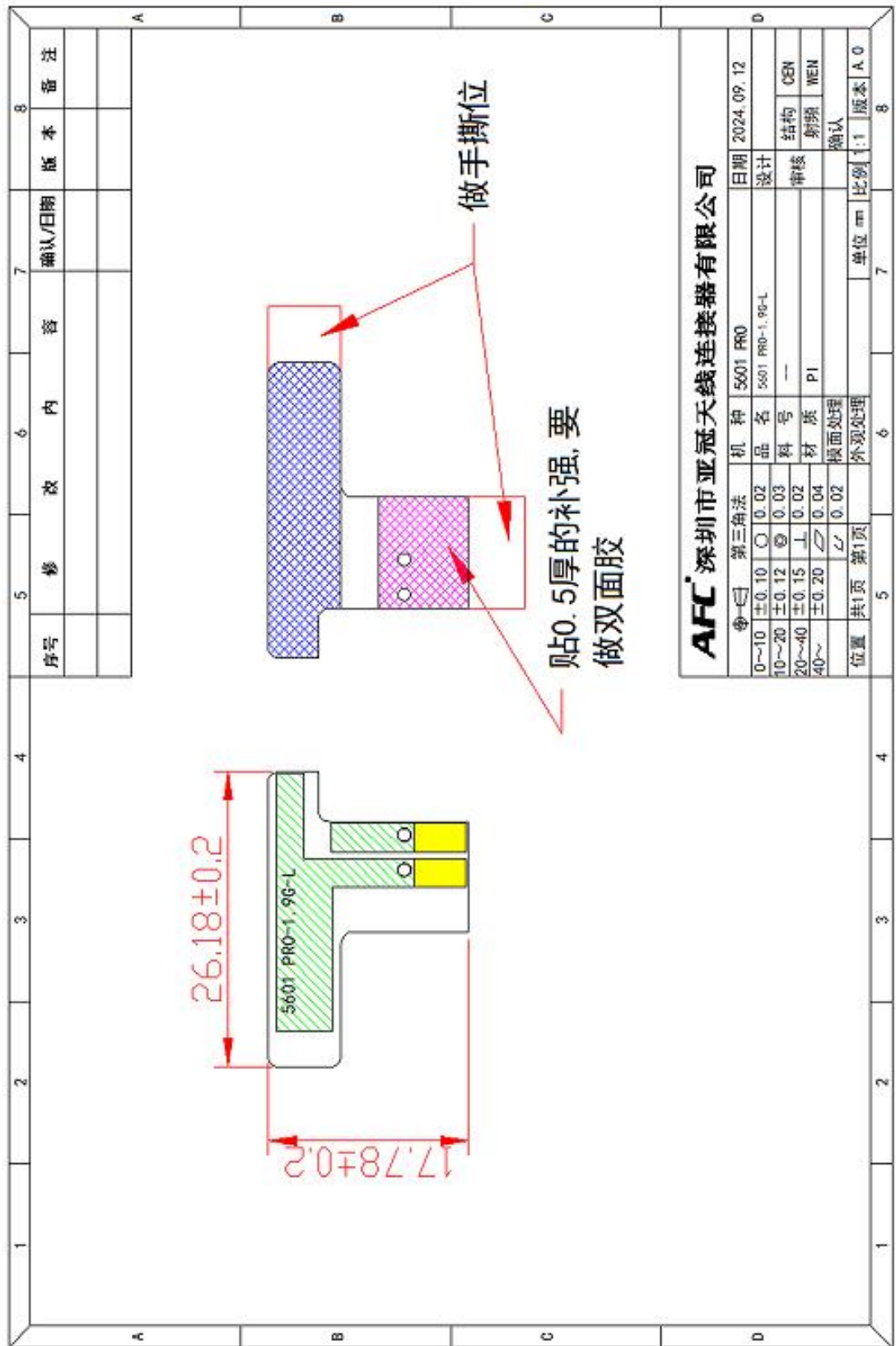


X-Y

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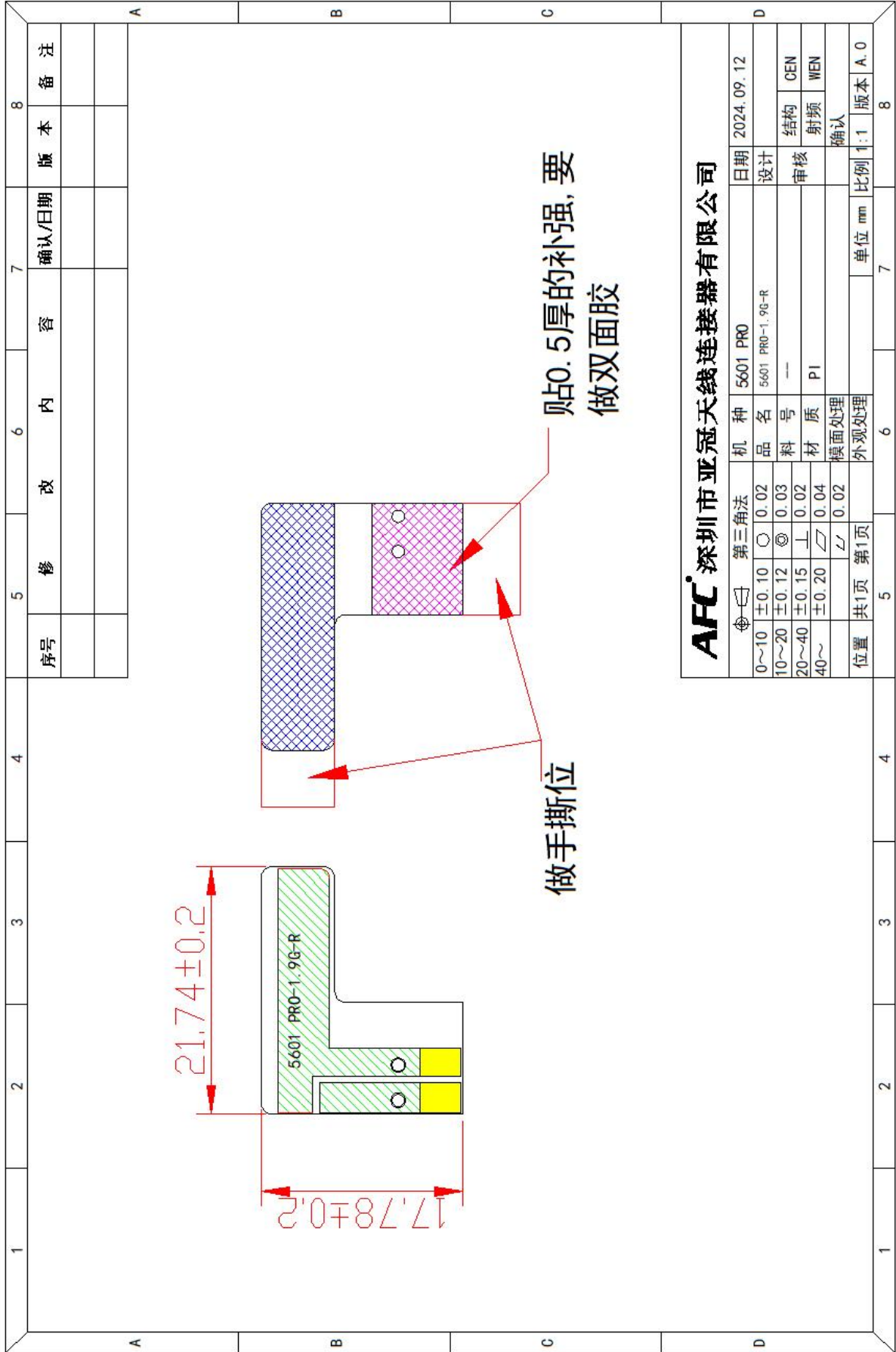
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5. 工程图纸 Product Drawing



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6. 测试设备及原理 Testing Equipment and Principle

1. 测试设备 Testing Equipment :

网络分析仪 Network Analyzers :

Agilent 8753D 5071B

综合测试仪 Communications Test Set:

Agilent E5515C

3D 暗室测试系统 3D Chamber Test System:

2. 测试原理 Testing Principle:

