

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

CUSTOMER(客户名称)	厦门新声科技有限公司
CS P/N(客户机种)	HI024
PART NAME(品名)	WPC-L天线
FREQUENCY(频率)	2400~2500MHz
CUS NO.(客户编号)	
ZTX NO.(物料编号)	1.03.03105
DATE(日期)	2025/11/4

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Remark(备注):

Sign(客户确认签字盖章):

Shenzhen ZTX Communication Technology Co., Ltd				
MANAGER CHECKED	MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER
		柯友杰	冯广权	



Shenzhen ZTX Communication Technology Co., Ltd

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Revision history

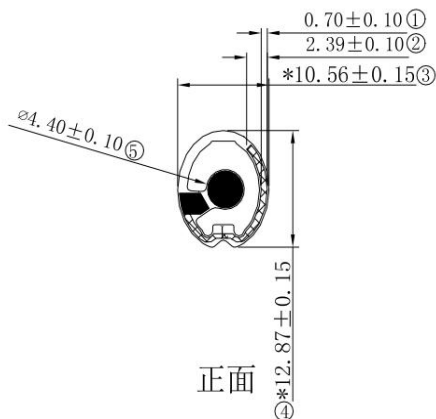
版本	日期	状态
A0	2025/11/4	初版

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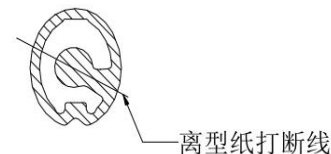
Rev 版本	Description 描述	Designed 制图	Date 日期
A1	首次发行	柯友杰	2023.10.11



正面



侧面

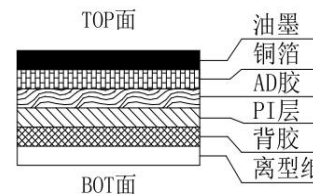


背面

备注:

- 图中所标注尺寸为重点管控尺寸, 试产或模具样需全部测量, 带“*”的尺寸为IQC必测项; 未注公差参照图框内公差表管控;
- 线路采用曝光显影工艺;
- 表面处理要求: 镀金工艺 0.03um以上;
- 外形需冲切光滑平顺、且不能冲切到内部线路;
- 产品表面不能有污点、起皱、露铜等不良问题;
- 镀金区域要求通过盐雾测试48H, 如金手指处为OSP工艺则不要求盐雾测试;
- 油墨面需通过百格测试要求;
- 所有物料需满足RoHS2.0+REACH 要求;
- 包装方式: 微粘膜包装出货;
- 未经过ZTX公司确认, 材料不能随意更改;

材质排版说明



材料明细:

序号	物料名称	工艺/规格型号
①	字码油墨	宋体/丝印 白色亮油 字高1.5mm
②	阻焊油墨	T=15-20um 黑色哑光
③	铜箔基材	单面板 压延铜/一对半
④	双面胶	3M467 T=50um

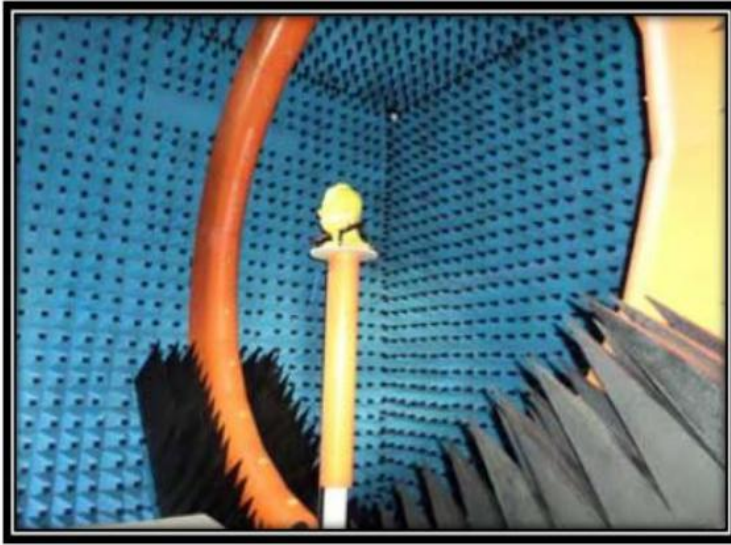


深圳市中天迅通信科技股份有限公司

Shenzhen ZHONGTIANXUN Communication Technology Shares Co., Ltd

General Tolerance			Date 日期: 2023. 10. 11	Unit 单位: mm	Rev 版本: A1	Scale 比例: 1:1	Project Name 项目名称: HI024
Dim	Grade	A	B	Designed 设计: 柯友杰	Material 材料: FPC	Product Name 产品名称: WPC-L 天线	
0-10	±0.05	±0.10	±0.15	Checked 审核: 江泽峰	Process 工艺:	Material Code 物料编码: 1.03.03105	
10-20	±0.10	±0.15	±0.25	Approval 批准: 邹国华	Third Angle 第三视角	Drawing Number 图纸编号: ZTX-QR-RD-013	
20-40	±0.15	±0.25	±0.40				
40	±0.20	±0.40					

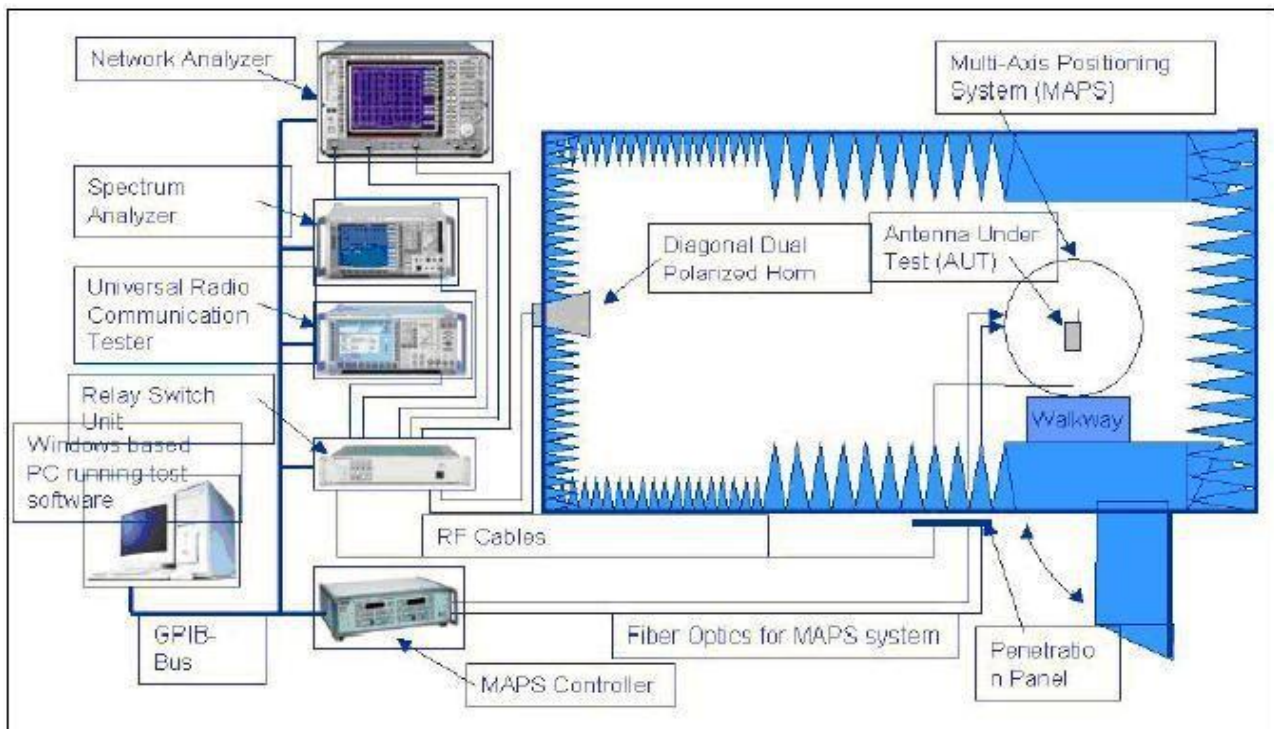
2. Test equipment



Owned 6 microwave dark room, equipped 2 sets world leading France Satimo SG24 OTA certification test systems (one in SHENZHEN, another one in Shanghai), ETS OTA Standard test system, Blue test reverberation test system which is High repeatability, high accuracy and high resolution. It can quickly provide accurate test reports, fully meet the CTIA standards.

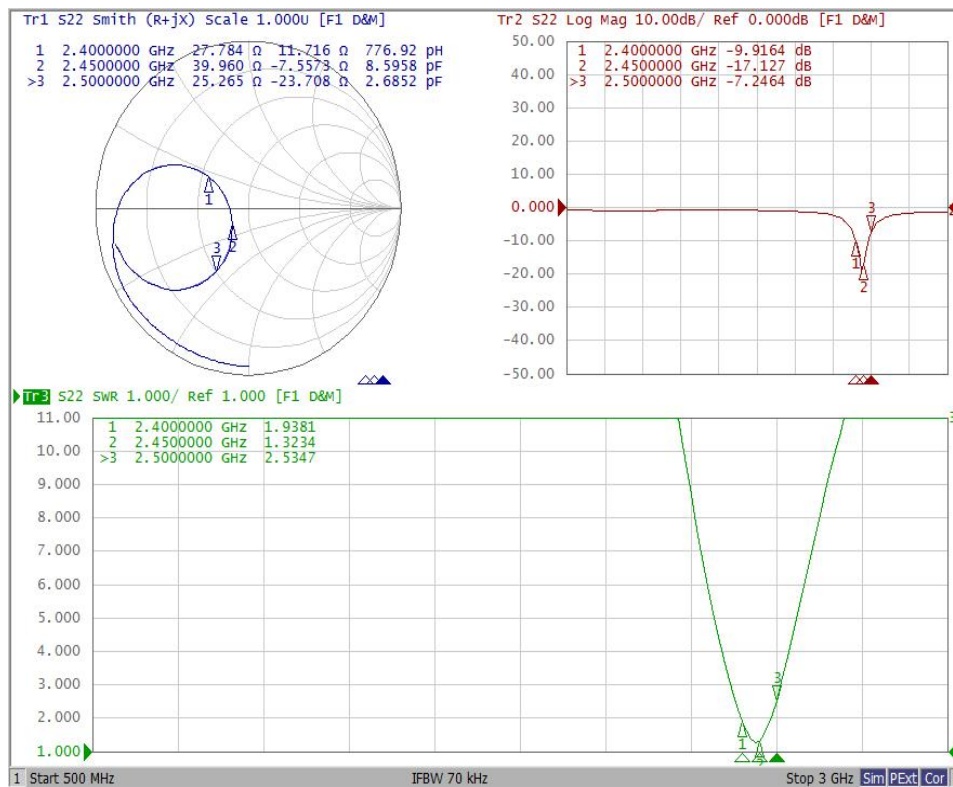
Testing range:

Support active, passive testing of
GSM/CDMA/WCDMA/TD-
SCDMA/LTE/WIFI/WLAN/WiMax/BT
/GPS/MIMO/UWB within 0.4-6G.



3. Test Results Summary

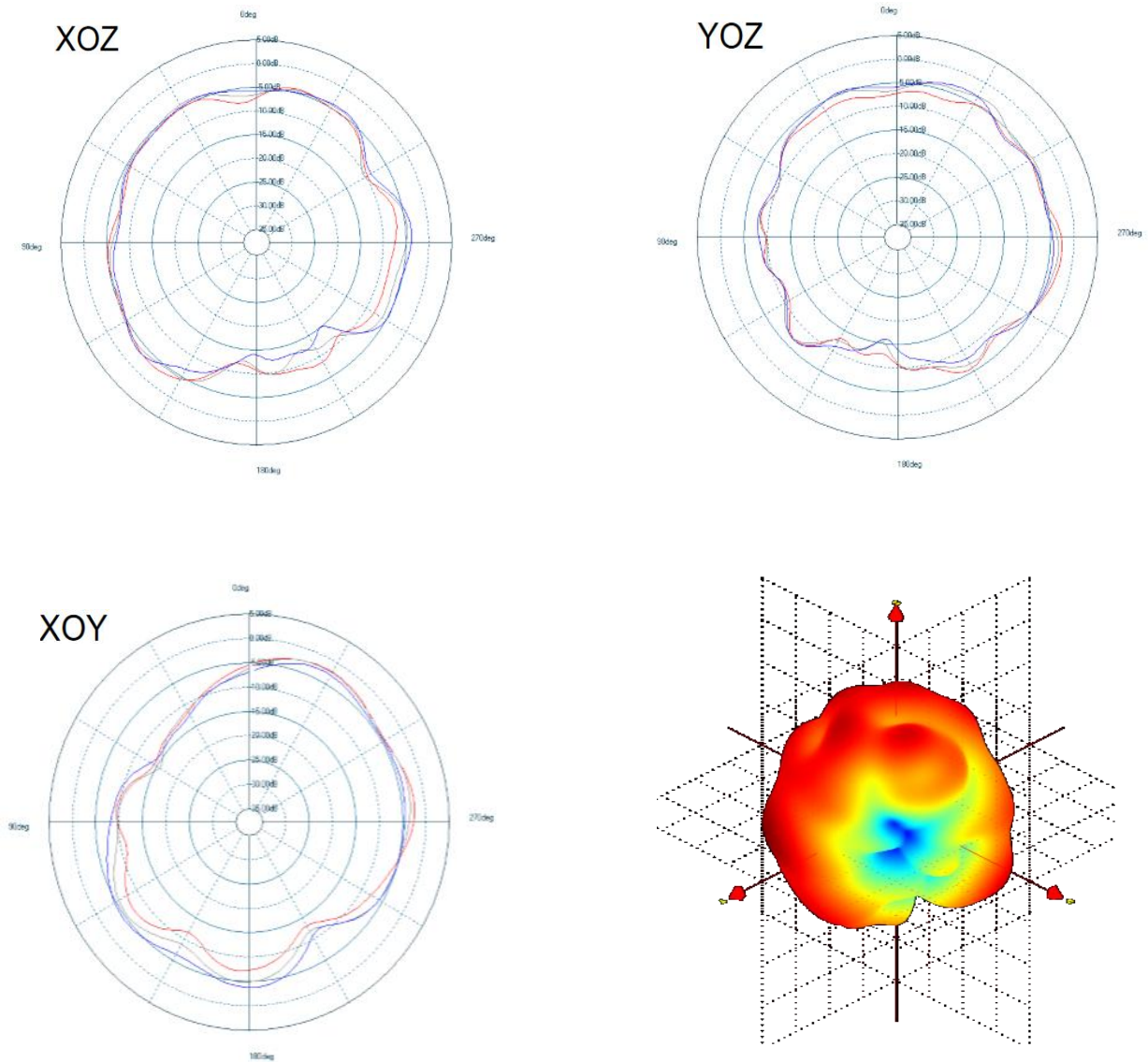
3-1 VSWR



3-2 Passive test

Fre	Effi	Effi . dB	Gain.dB
2400	23%	-6.38	-2.60
2410	23%	-6.45	-2.55
2420	24%	-6.20	-2.53
2430	24%	-6.20	-2.07
2440	25%	-6.02	-2.14
2450	26%	-5.85	-1.88
2460	24%	-6.20	-2.06
2470	23%	-6.38	-2.05
2480	22%	-6.58	-2.68
2490	21%	-6.78	-2.77
2500	19%	-7.21	-2.67

3-3 2D/3D Radiation Pattern Results



3-4 Environment treatment

