

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

CUSTOMER(客户名称)	广州鸿顶
CS P/N(客户机种)	夜视监控Q8
PART NAME(品名)	WIFI天线组件
FREQUENCY(频率)	2400~2500MHz
CUS NO.(物料编号)	
ZTX NO.(物料编号)	2.00006429
DATE(日期)	2024/1/23

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	冯家能	



Shenzhen ZTX Communication Technology Co., Ltd

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Revision history

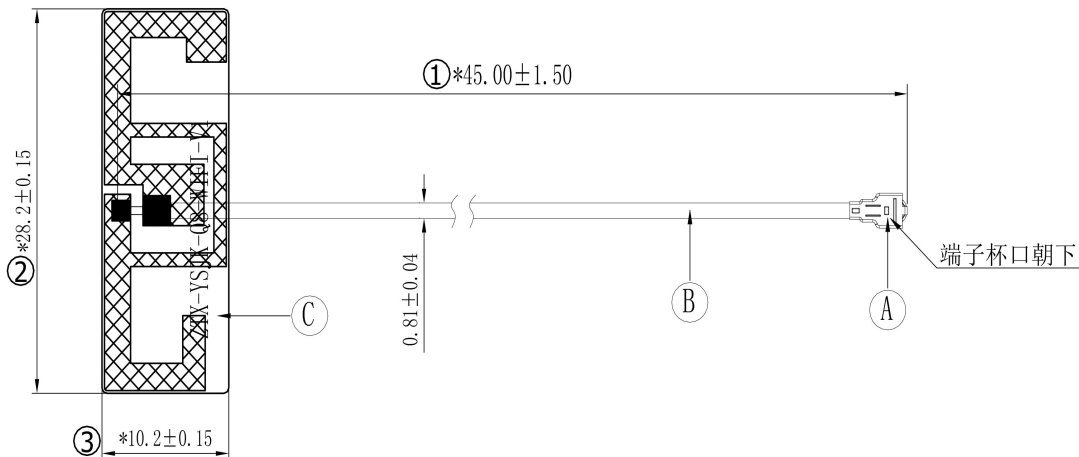
版本	日期	状态
A0	2024/1/23	初版

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图纸编号:ZTX-QR-RD-013

Rev 版本	Description 描述	Designed 制图	Date 日期
V1	首次发行	柯友杰	2024. 01. 23



备注:

- 图中所标注尺寸为重点管控尺寸,带“*”的尺寸为IQC必测项;
未注公差参照图框内公差表管控;
- 锡点焊接光亮饱满,不能假焊、虚焊、短路等不良问题.
- 出货前要全检外观和性能;
- 墨面需通过百格测试要求.
- 产品需定数按要求包装好,运输过程中不能有明显挤压变形等现象.
- 未经过ZTX公司确认,材质及工艺要求等不能随意更改.
- 所有材料符合RoHS2.0+REACH + HF要求.

材质说明:

序号	部件名称	材质工艺	料号
①	RF 端子2代	磷青铜(镀金)	
②	同轴线	0.81 银锡/FEP/黑色	
③	FPC	PI基材/黑色油墨	

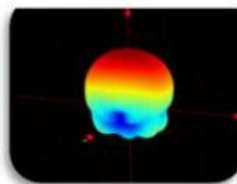
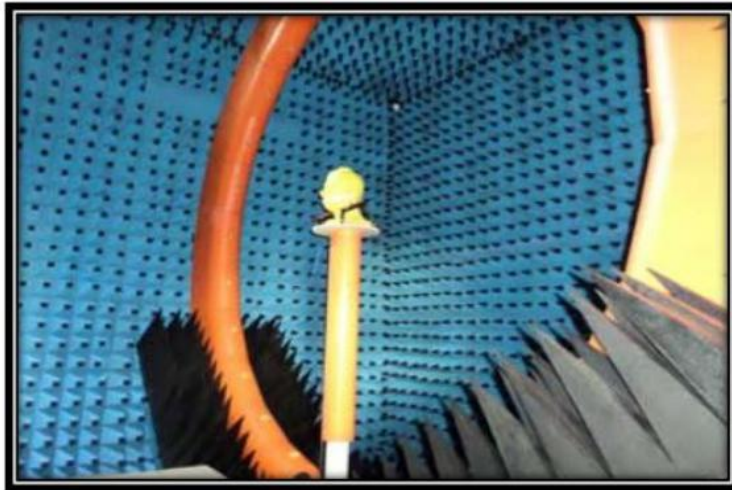


深圳市中天迅通信科技股份有限公司

Shenzhen ZHONGTIANXUN Communication Technology Shares Co.,Ltd

General Tolerance			Date 日期: 2024.01.23	Unit 单位: mm	Rev 版本: V1	Scale 比例: 1:1	Project code 项目代码: ztx3771
Dim	Grade	A	B	Designed 设计: 柯友杰		Material 材料:	
0-10		±0.10	±0.20	Checked 审核: 冯家能		Project Name 项目名称: 夜视监控Q8	
10-20		±0.15	±0.30	Approval 批准: 邹国华		Product Name 产品名称: WIFI-天线组件	
20-40		±0.20	±0.40			Material Code 物料编码: 2.00006429	
40>		±0.25	±0.50				

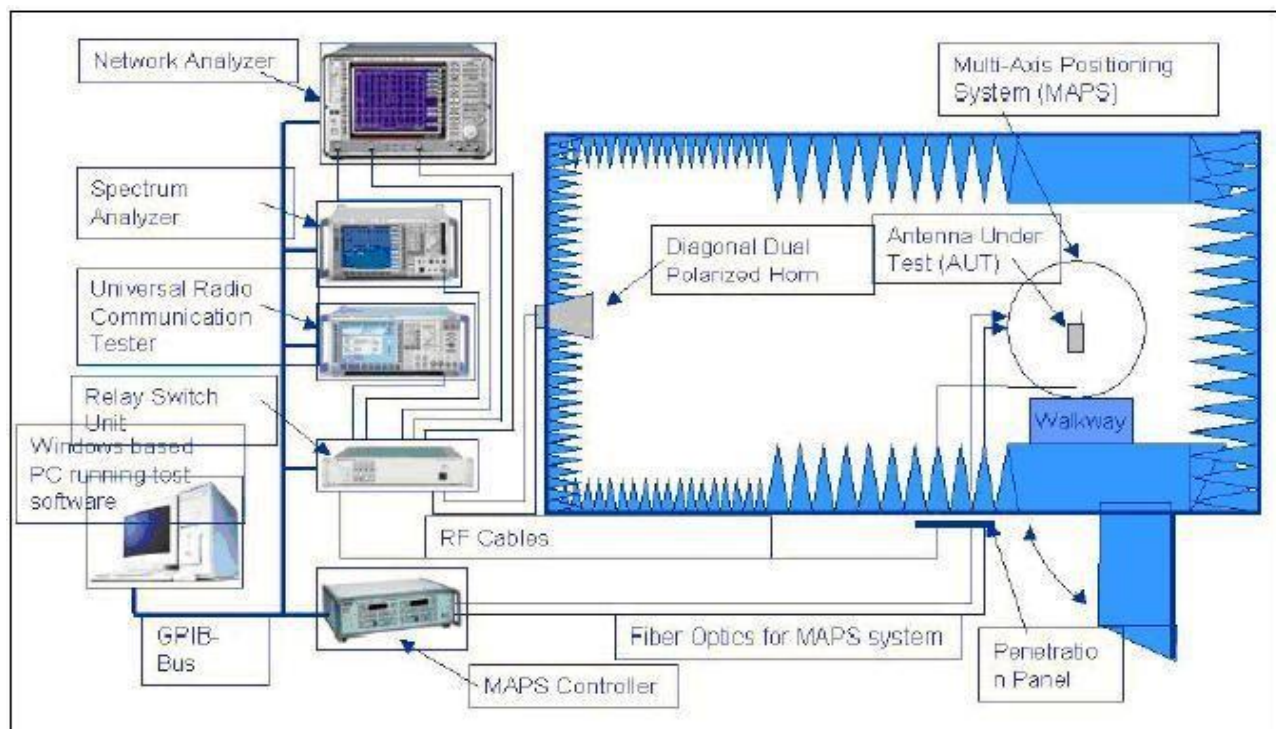
2. Test equipment



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.

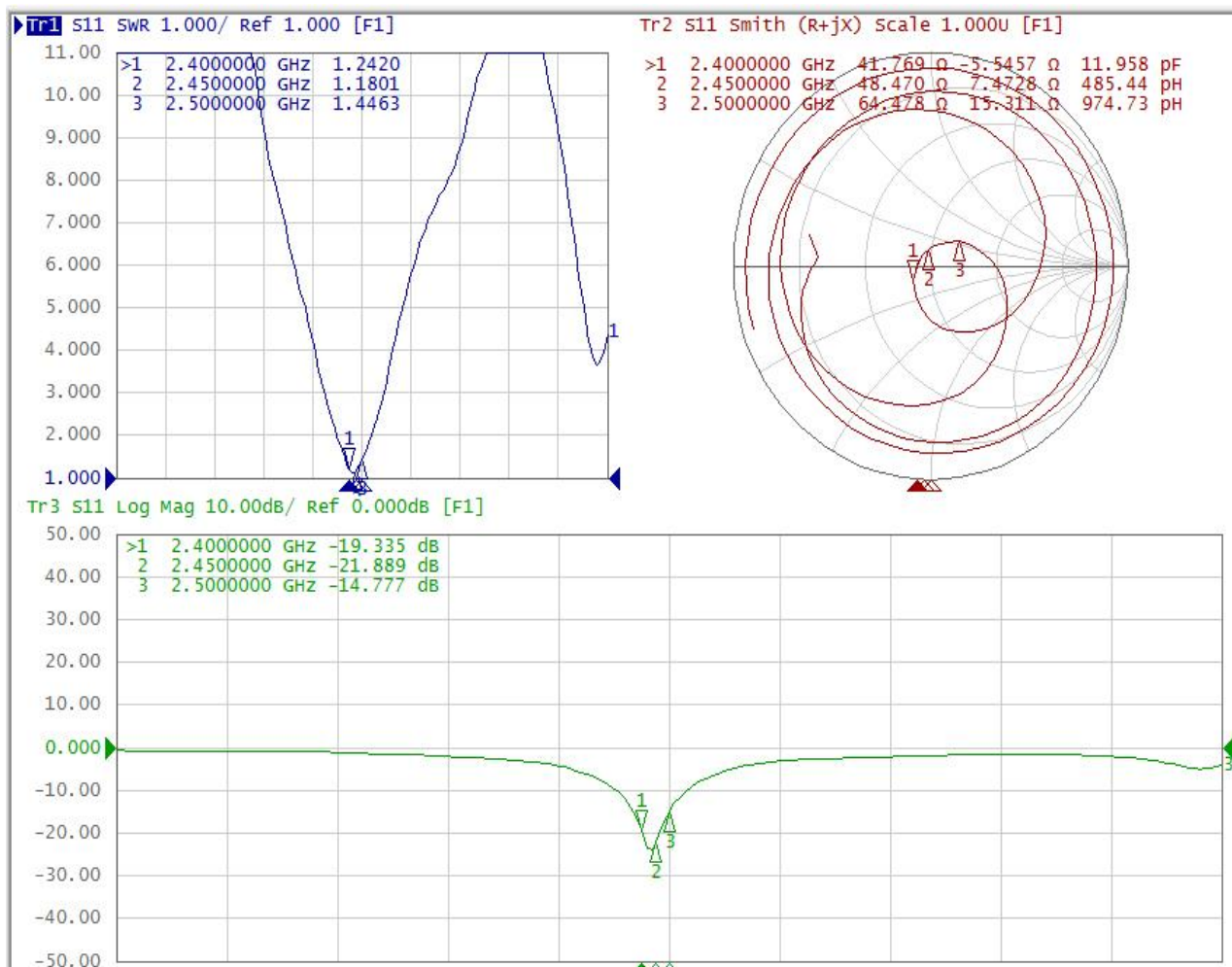
Testing range:

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



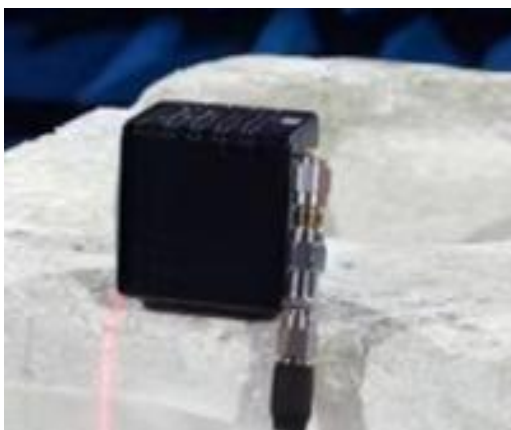
3-2 Active test

fpc天线		
B模式	TRP (1M)	TIS (11M)
1	10.51	-61.34
6	10.59	-60.58
11	10.24	-61.24

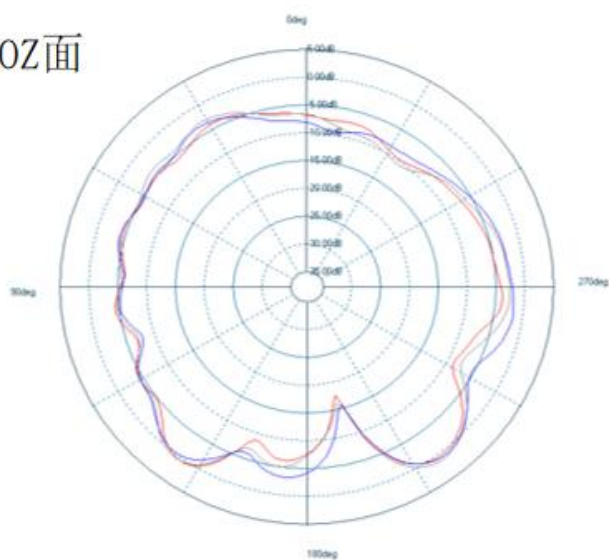
3-3 Passive Test

Frequency	Efficiency	Efficiency . dB	Gain . dB
2400	55%	-2.60	3.43
2410	56%	-2.52	3.45
2420	55%	-2.60	3.53
2430	56%	-2.52	3.76
2440	56%	-2.52	3.79
2450	56%	-2.52	3.98
2460	54%	-2.68	3.63
2470	56%	-2.52	3.55
2480	56%	-2.52	3.40
2490	56%	-2.52	3.33
2500	57%	-2.44	3.51

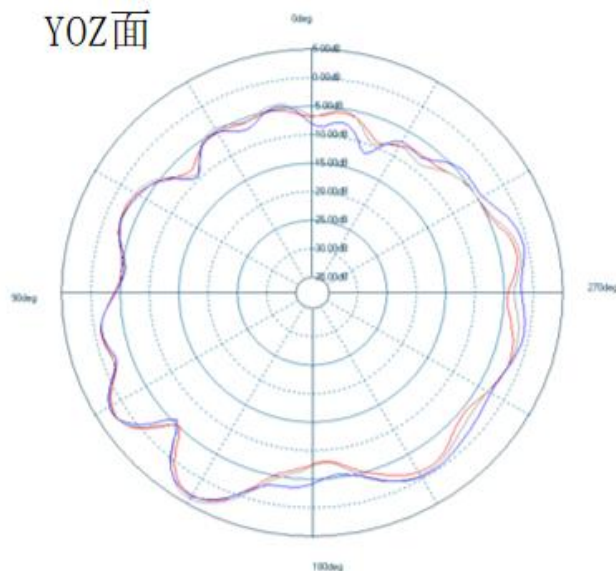
3-4 2D/3D Radiation Pattern Results



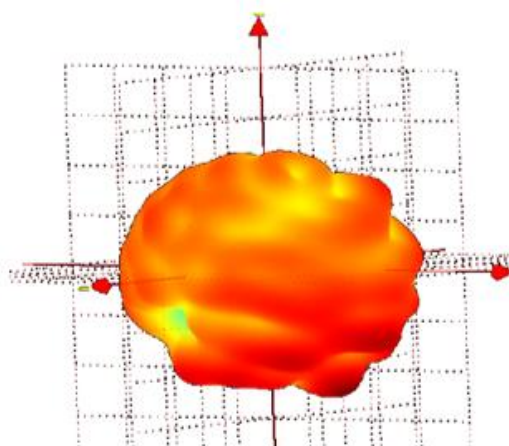
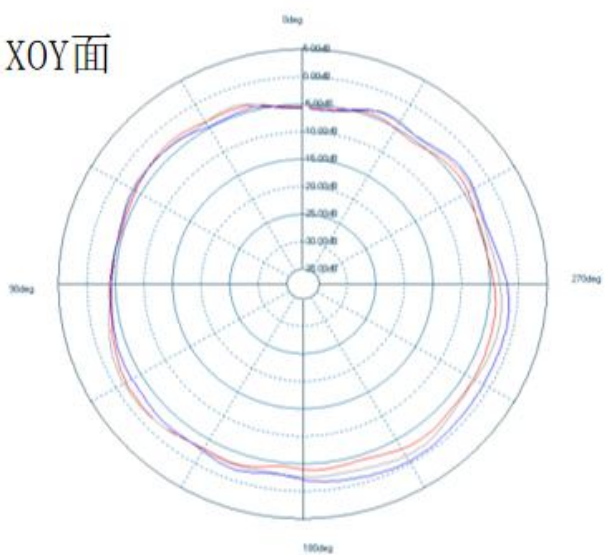
XOZ面



YOZ面



XOY面



3-5 Environment treatment

