SPECIFICATION

SHEET FOR APPROVAL

（Revision：R：A0）

CUSTOMER(客户名称)	惠州市博实结科技有限公司
CS P/N(客户机种)	NOVA Camera
PART NAME(品名)	WIFI天线组件
FREQUENCY(频率)	2400~2500/5150~5850MHz
CUS NO.(客户编号)	1301-01422
ZTX NO.(物料编号)	2.00001753
DATE(日期)	2025/4/15

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
		覃乐	冯家能	

深圳市中天迅通信技术股份有限公司 2025.04.15 研发专用章

Shenzhen ZTX Communication Technology Co., Ltd
地址：深圳市宝安区石岩镇石龙大道34号(腾达工业园)
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传真：0755-27588045 http://www.chinaztx.com

Revision history

版本	日期	状态
A0	2025/4/15	初版

供应商信息

供应商名称:	深圳市中天迅通信技术股份有限公司
供应商地址:	深圳市宝安区石岩镇石龙大道34号
Supplier Address：	No. 34, Shilong Avenue, Shiyan Town, Bao'an District, Shenzhen
联系电话:	13923409295
EMAIL:	yuexianbo@chinaztx.com

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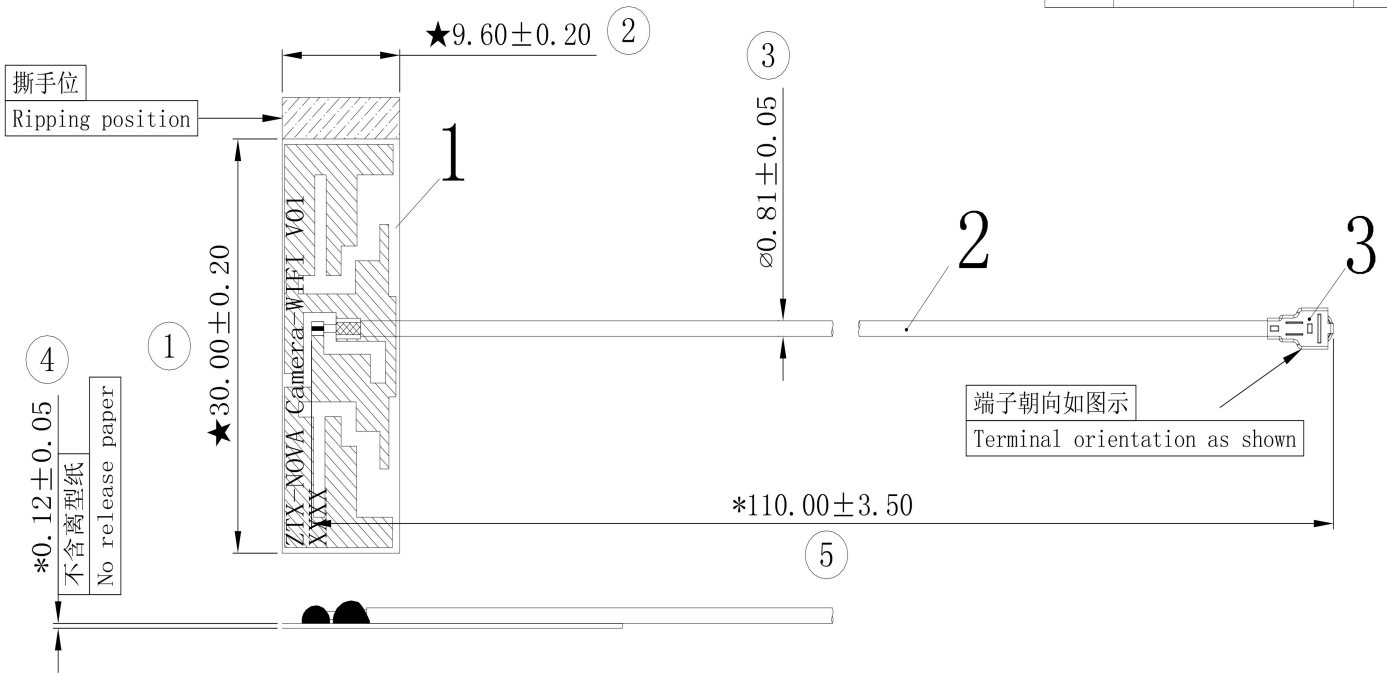
Drawing number:ZTX-QR-RD-013

版本 Rev	描述 Description	制图 Designed	日期 Date
V1	首次发行 Initial Release	覃 乐 Le Qin	2025.04.02



技术要求(Notes)：

1、带"*"的尺寸为重点尺寸且出货必测项;带 "★"的尺寸为CPK管控尺寸；未注公差参照图框内公差表管控；
Dimensions marked with "*" are key dimensions and need to be controlled before delivered.
Dimensions marked with "★" need to control CPK.For dimensions w/o tolerance mark, please refer to the tolerance table.

2、外形需冲切光滑平顺、且不能冲切到内部线路；
No burrs allowed. No damage on the circuits.

3、产品表面不能有污点、起皱、露铜等不良问题；
The product surface must not have defects such as stains, wrinkles, exposed copper, etc

4、焊锡点需饱满（锡点一定要完全覆盖住焊盘），不可有虚焊、假焊、拉尖等不良；
The soldering points need to be full (the solder points must completely cover the solder pads), and there must be no defects such as cold solder joints, false soldering joints, or sharp points.

5、油墨面需通过百格测试要求；
The ink surface needs to meet the requirements of the cross-cut test.

6、所有物料需满足RoHS2.0/REACH等环保要求；
All materials shall comply with RoHS2.0/REACH.

7、包装方式:PE袋装出货；
Packaging method: PE bags.

8、未经过ZTX公司确认，材料不能随意更改。
No change of material is allowed without written permission from ZTX.

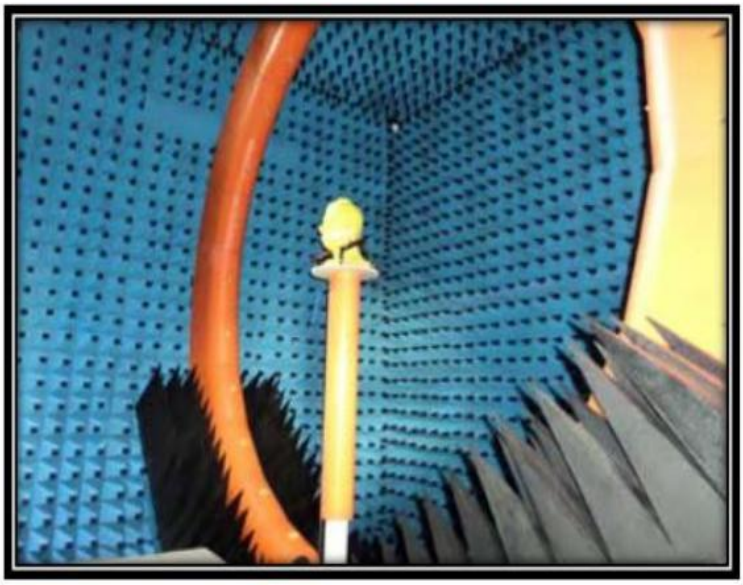
序号 No.	物料名称 Part Name	材质说明 Description	用量 Usage	备注 Remark
3	4代端子 4-generation terminals	磷青铜/镀金 Phosphor bronze, gold plated	1	
2	同轴线 Co-axial Cable	银锡/FEP/黑色 Silver tin /FEP/ Black	1	
1	FPC	单面板/电解铜/一对半/3M467 Single-sided,electrolytic copper,3M467	1	

ZTX 深圳市中天迅通信技术股份有限公司
Shenzhen Zhongtianxun Communication Technology Co., Ltd

General Tolerance		
Dim \ Grade	A	B
0-10	±0.10	±0.20
10-20	±0.15	±0.30
20-40	±0.20	±0.40
40≥	±0.25	±0.50

Date 日期: 2025.04.02	Unit 单位:mm	Rev 版本: V1	Scale 比例: 1:1	Project Code 项目代码:ztx5286
Designed 设计: 覃 乐	Material 材料:			Project Name 项目名称:NOVA Camera
Checked 审核: 冯家能	Process 工艺:			Product Name 产品名称:WIFI天线_组件
Approval 批准: 邹国华	Third Angle 第三视角			Material Code 物料编码:2.00001753

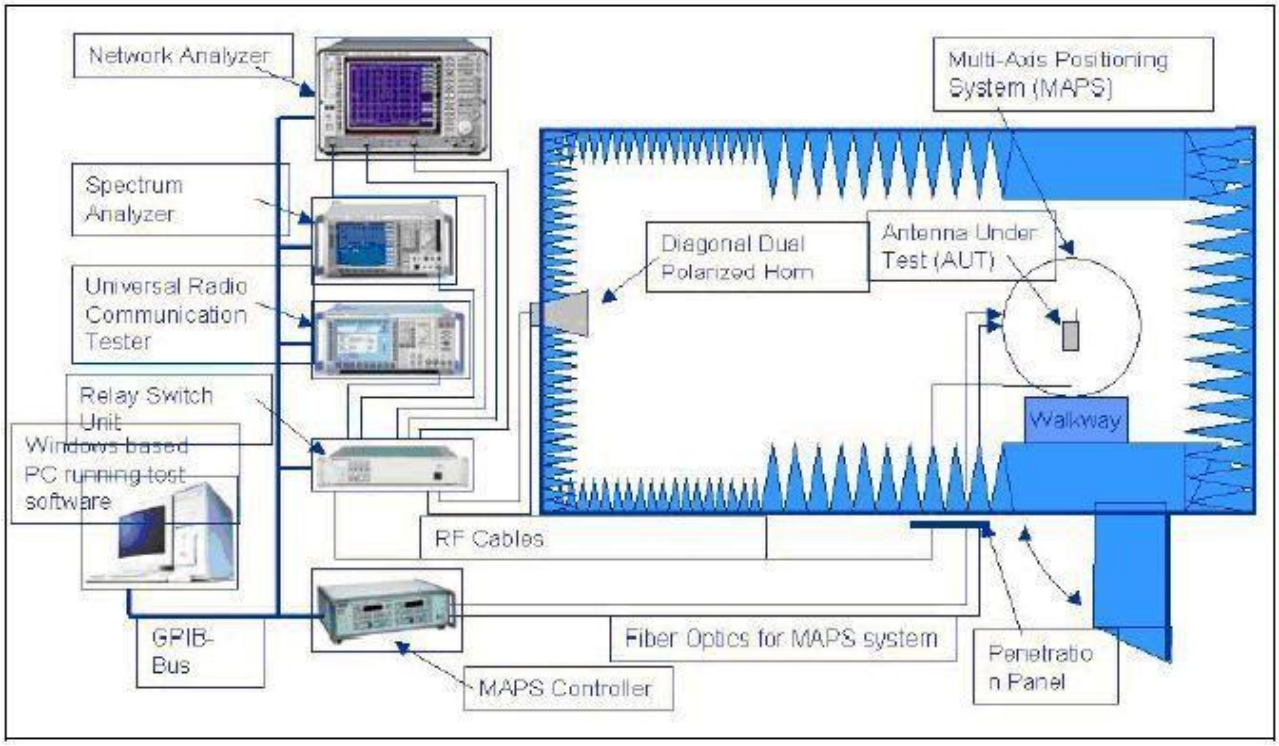
2. Test equipment



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 within0.4-6G.

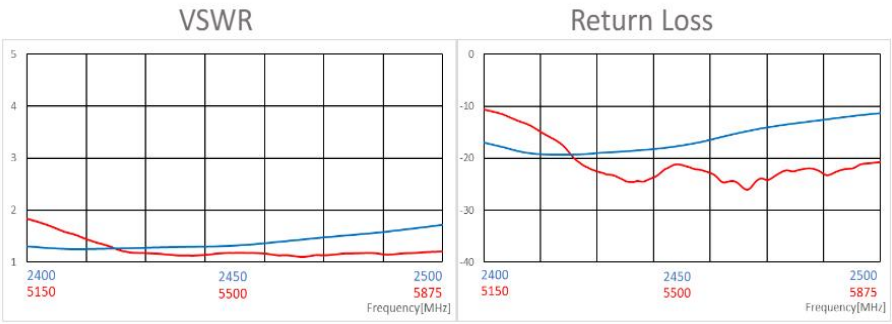
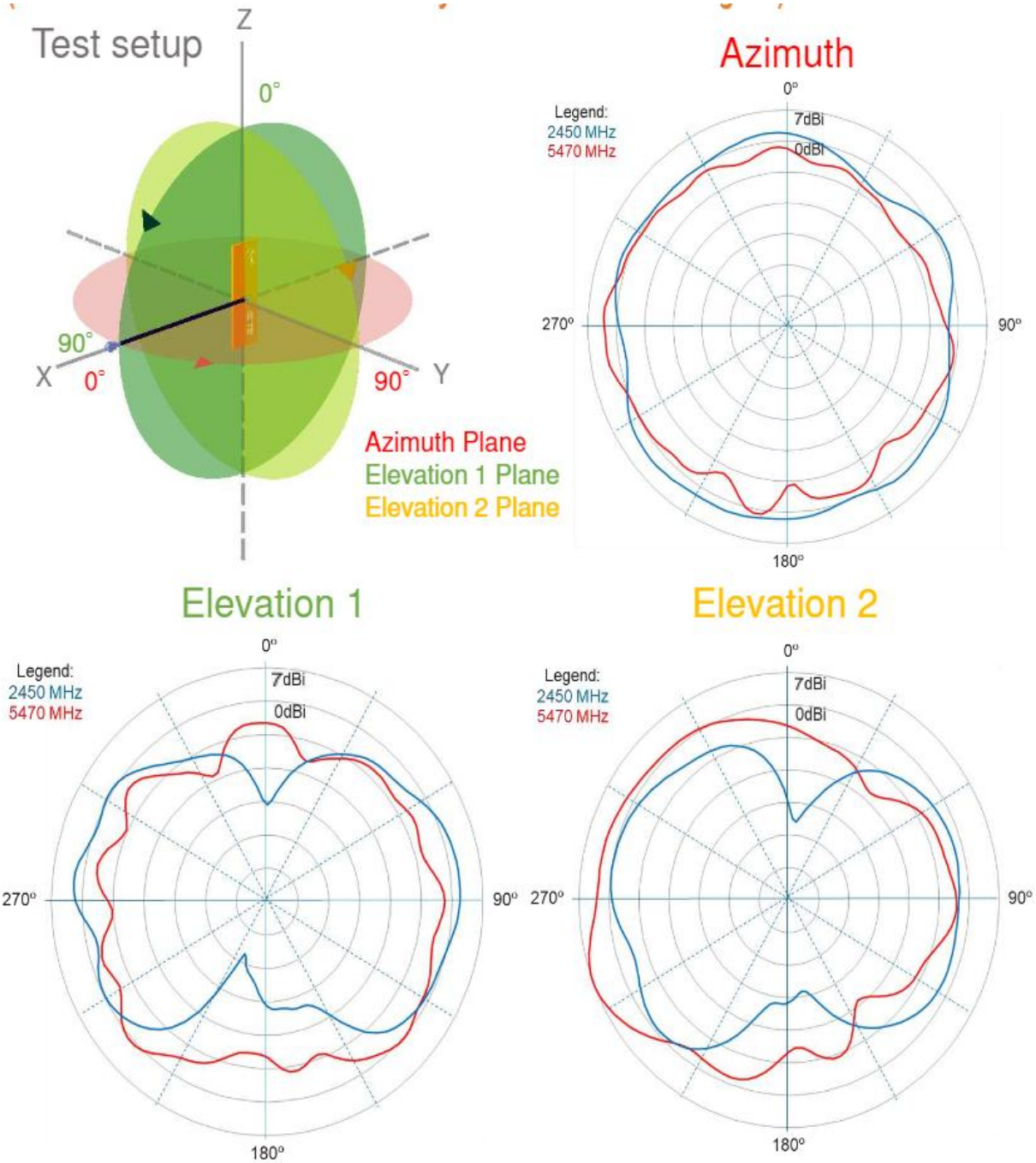


3. Test Results Surmmary

3-1 Antenna parameters

Frequency Range(MHz)	2400-2500	5150-5875
VSWR	<2.0:1	<2.0:1
Average Efficiency	80%	80%
Peak Gain	2.5dBi	7.0dBi
Average Gain	-1.8dB	0.1dB
Power Handling	10 Watt cw	
Feed Point Impedance	50 ohms unbalanced	
Polarization	Linear	
Size	30 mmx9.5 mmx 0.2 mm	
Weight	<0.7 g	
Mounting	Adhesive Tape	
Mating Connector	MHF and MHF4-type,Refer to page 5	
Cable(Coaxial)	0.81mm and 1.13mm Dia.,Refer to page 5	
Operating Temperature	-40 to+85℃	
Storage Temperature	-40 to+85℃	
Hazardous Materials	A certificate of conformance is available from the product page on TE website.	

3-2 S11



3-3 2D/3D Radiation Pattern Results