

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER(客户名称)	深圳市豪恩声学股份有限公司	
	CS P/N(客户机种)	GW129	
	PART NAME(品名)	2.4G 天线组件	
	FREQUENCY(频率)	2400~2500MHz	
	ZTX NO.(物料编号)	2.00001235	
	DATE(日期)	2025-01-08	

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	冯广权	



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ANTENNA SPECIFICATION

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Revision history

版本	日期	状态
A0	2025-01-08	初版

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ANTENNA SPECIFICATION

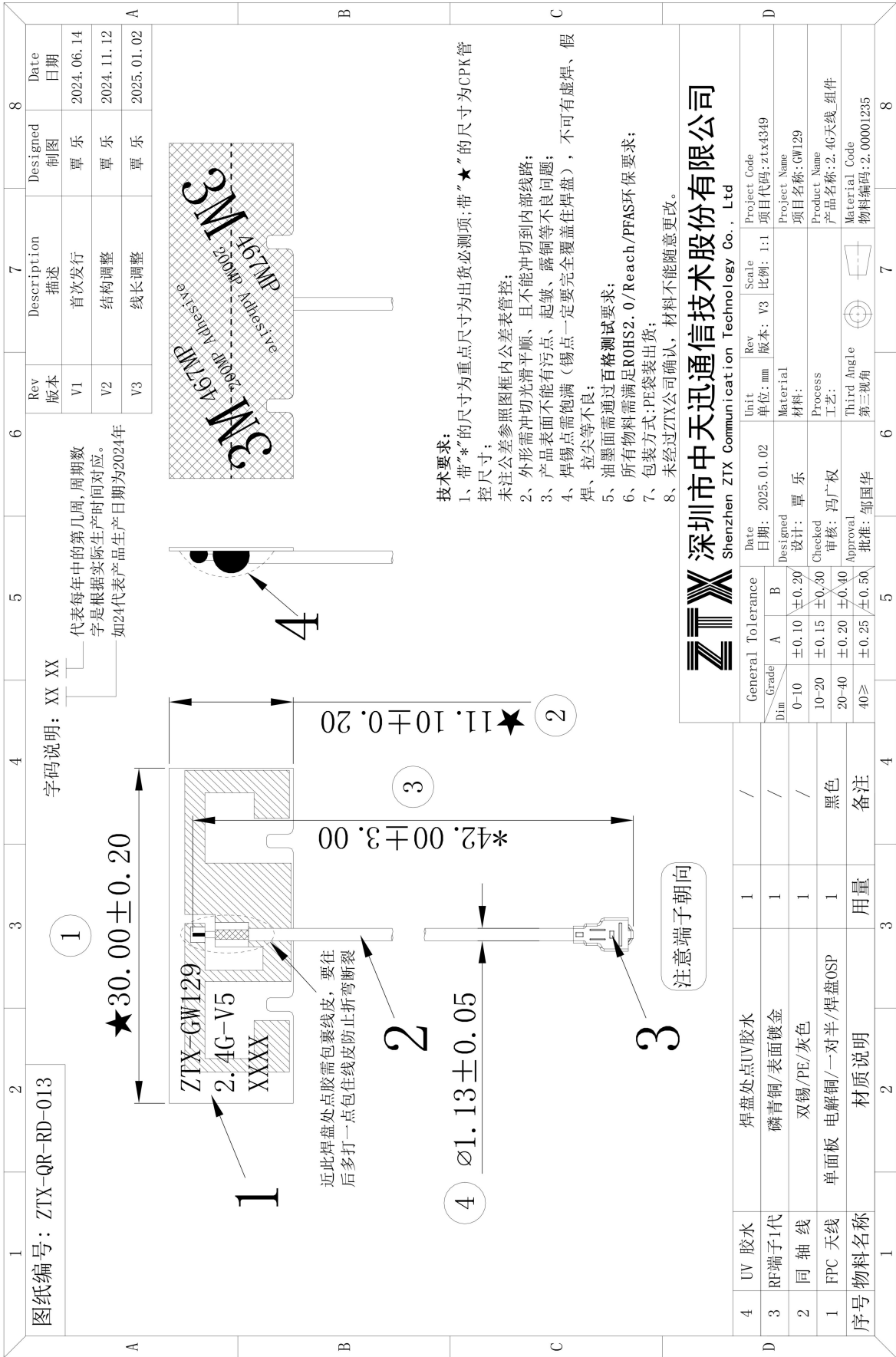
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1. Mechanical Specification

1-1 Mechanical Configuration (2.4G 天线组件)



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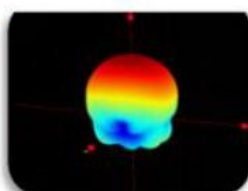
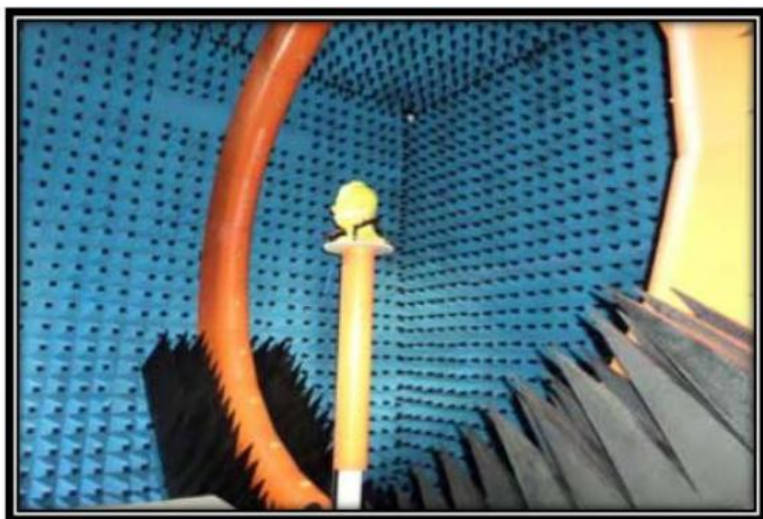
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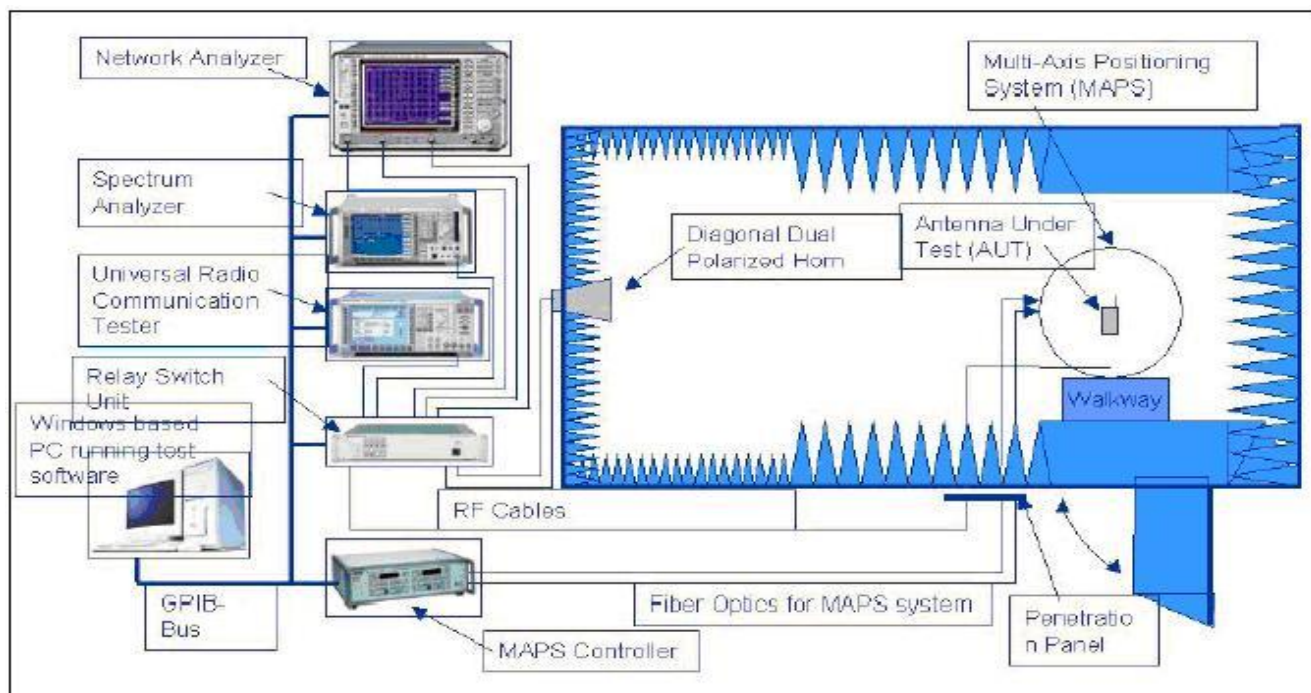
2. Test equipment



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.



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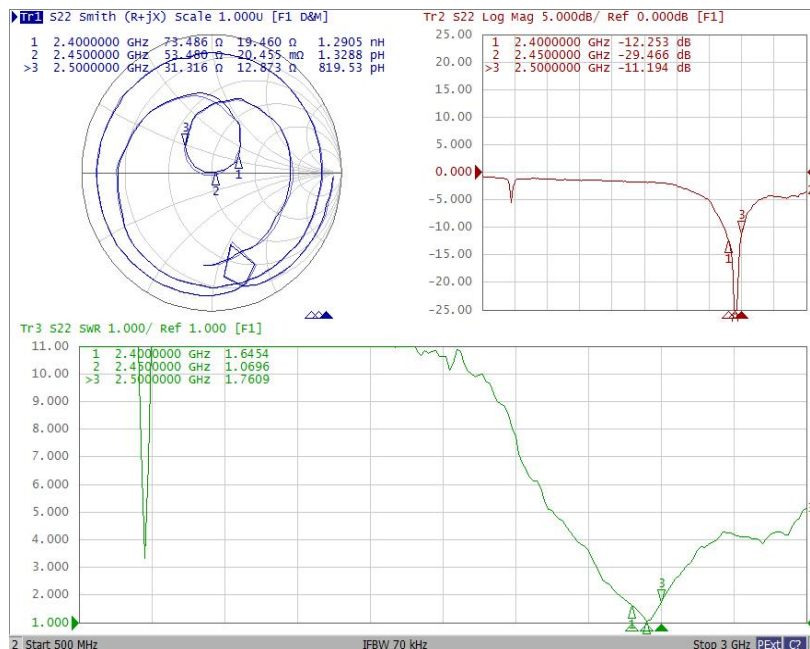
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3.Test Results Summary

3-1 Active Test

Channels	TRP	TIS
0	6.11	-91.51
39	6.69	-91.82
78	7.23	-92.05

3-2 S11



3-3 No-source test data

2400-2500 MHz			
Frequency	Efficiency(%)	Efficiency (db)	Gain(dBi)
2400	58%	-2.35	4.12
2410	58%	-2.39	4.07
2420	61%	-2.17	4.24
2430	63%	-2.00	4.46
2440	64%	-1.97	4.39
2450	63%	-1.98	4.35
2460	62%	-2.04	4.11
2470	64%	-1.95	4.29
2480	64%	-1.96	4.28
2490	63%	-1.97	4.47
2500	66%	-1.83	4.77

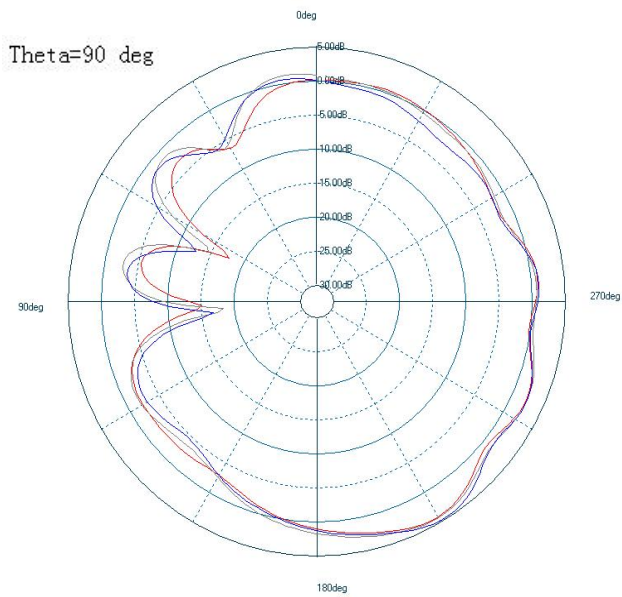
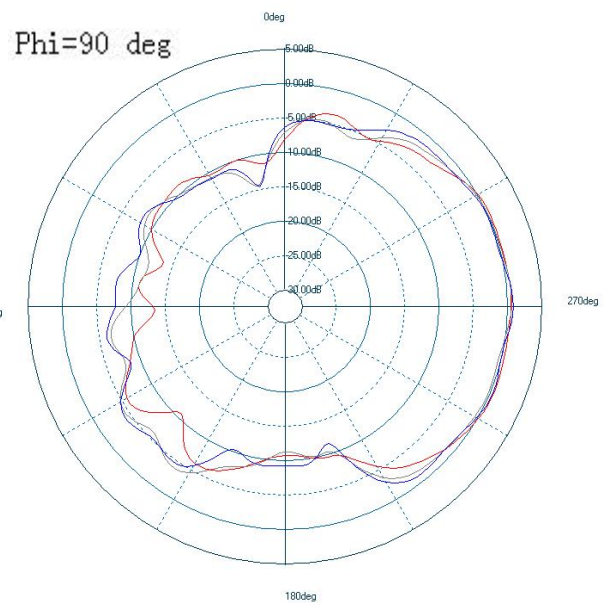
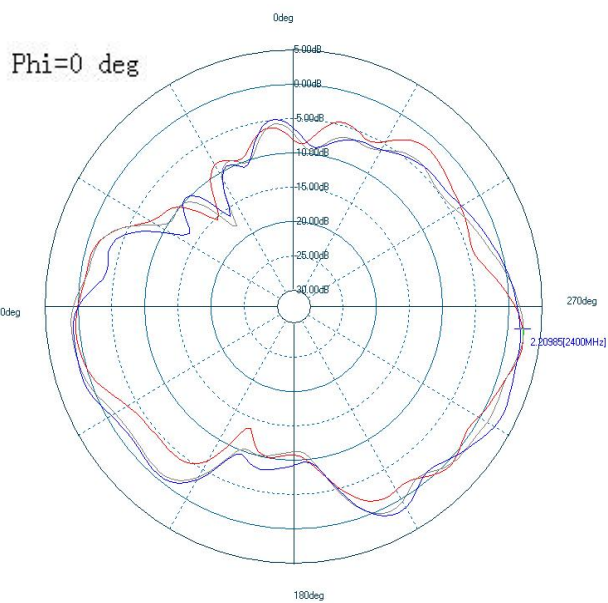
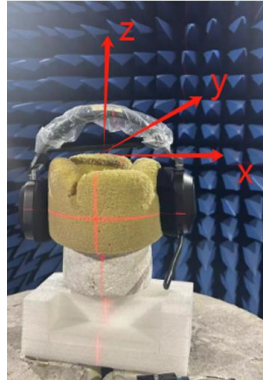
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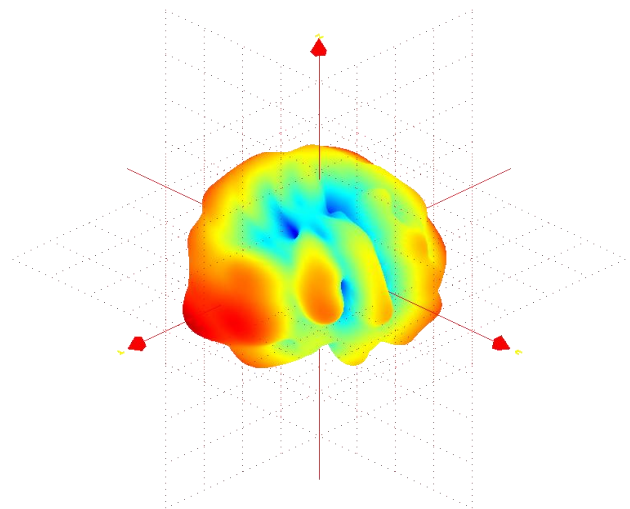
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3-4 2D/3D Radiation Pattern Results



3D方向图



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4.package

深圳市中天迅通信技术有限公司

SHENZHEN ZHONGTIAN XUN Communication Technology Co., Ltd

作业指导书

产品型号	产品名称	工序序号/名称	版本	上工序	岗位编号	文件编号
GW129	2.4G天线组件	包装	A1	外观	/	ZTX-QD-WI-ASSV-1178
<						