

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

CUSTOMER(客户名称)	高盛达	
CS P/N(客户机种)	WL4C	
PART NAME(品名)	WIFI0 天线组件	
FREQUENCY(频率)	2400-2500MHz	
ZTX NO.(物料编号)	2.00001724	
DATE(日期)	2025-03-03	

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
		邹一麟	赵烽	



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ANTENNA SPECIFICATION

CUS P/N:WL4C_WIFI0 天线组件
ZTX P/N :WL4C_WIFI0 天线组件

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Revision history

版本	日期	状态
A0	2025-03-03	初版

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ANTENNA SPECIFICATION

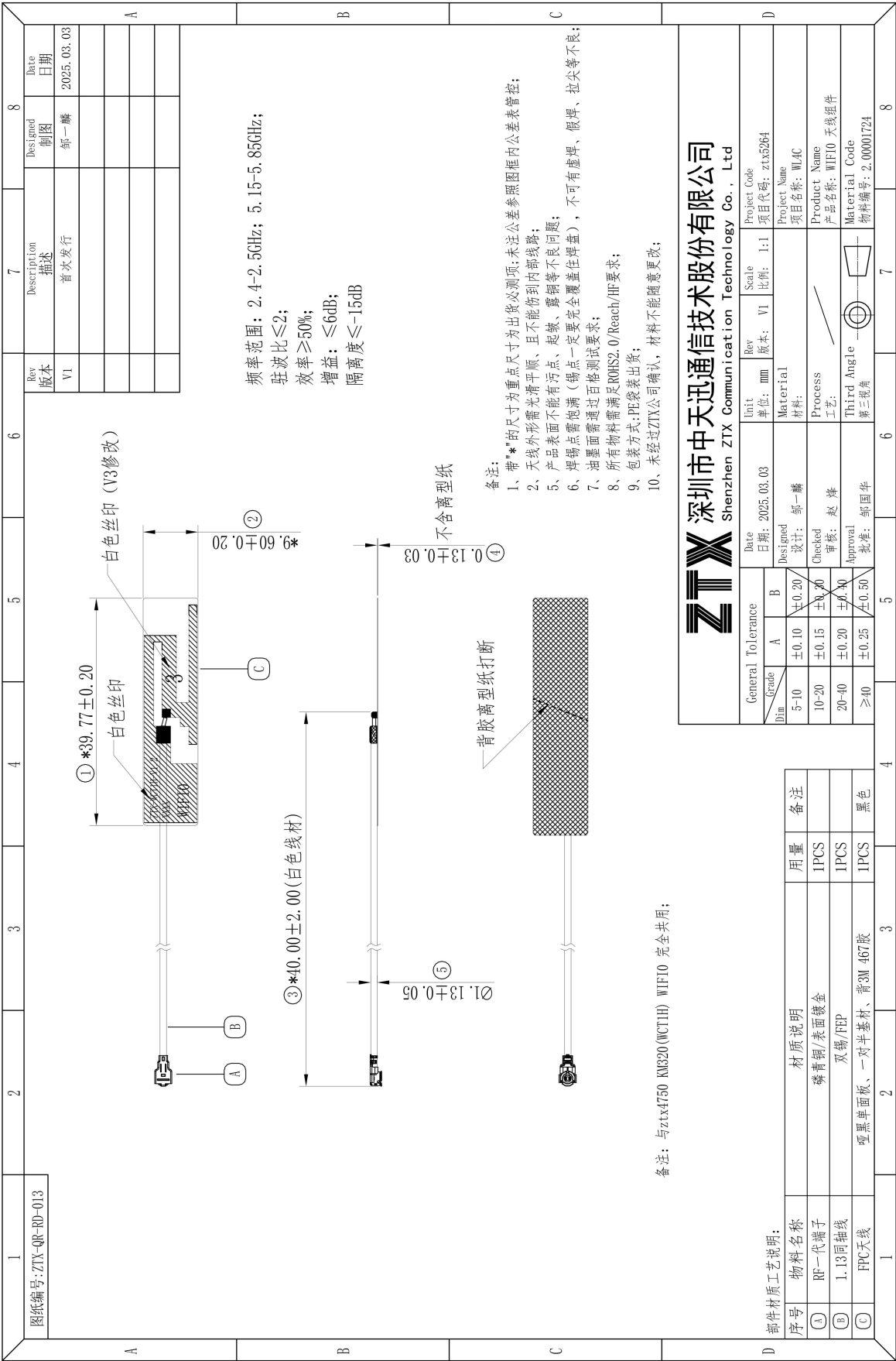
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1. Mechanical Specification

1-1 Mechanical Configuration (WIFI0 天线组件)



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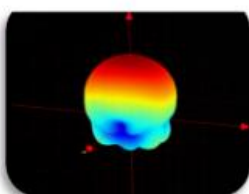
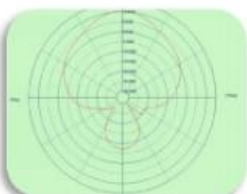
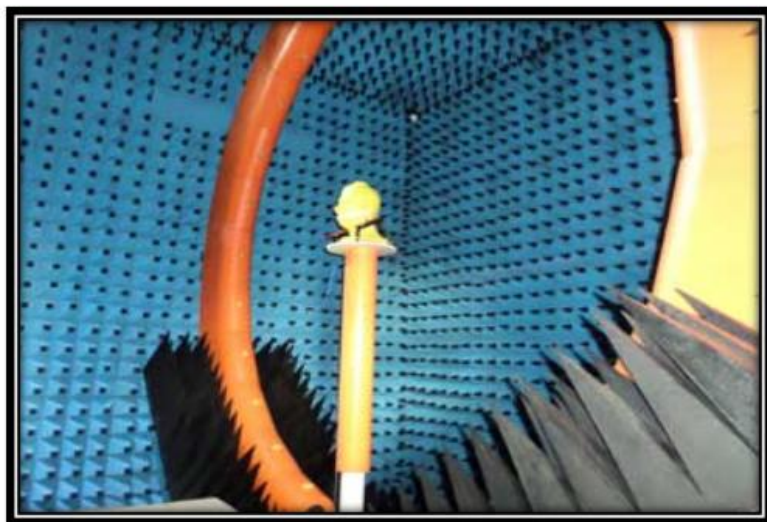
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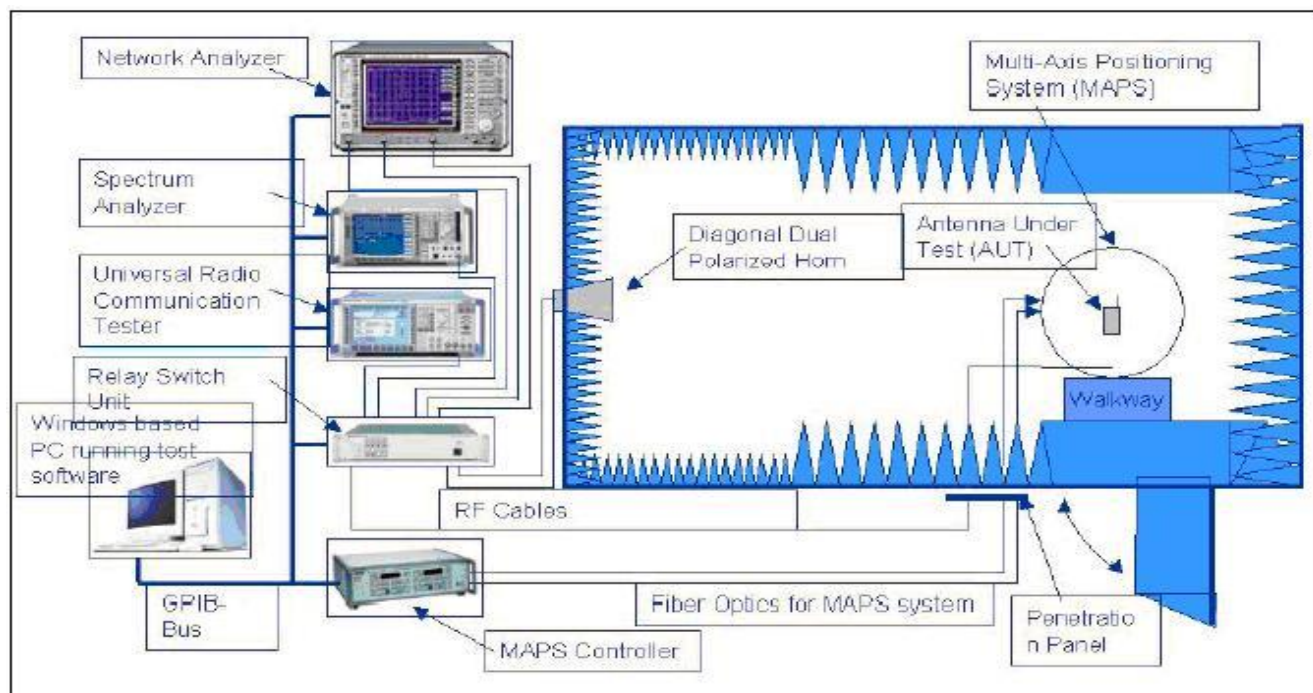
2. Test equipment



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 CITA 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.



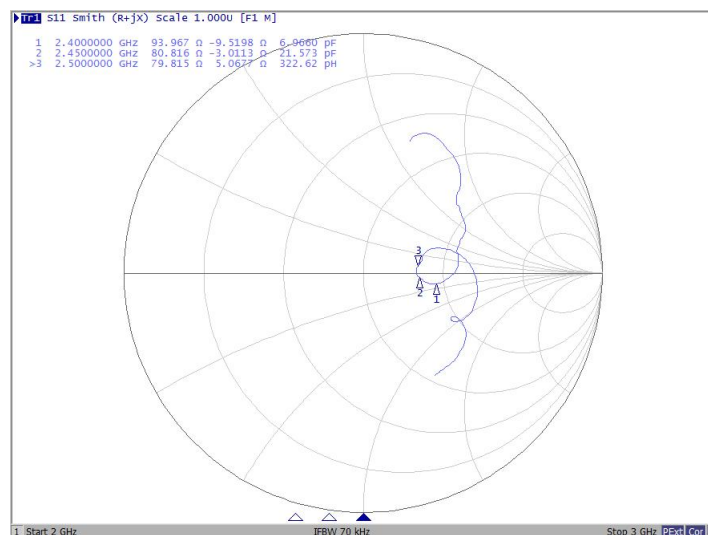
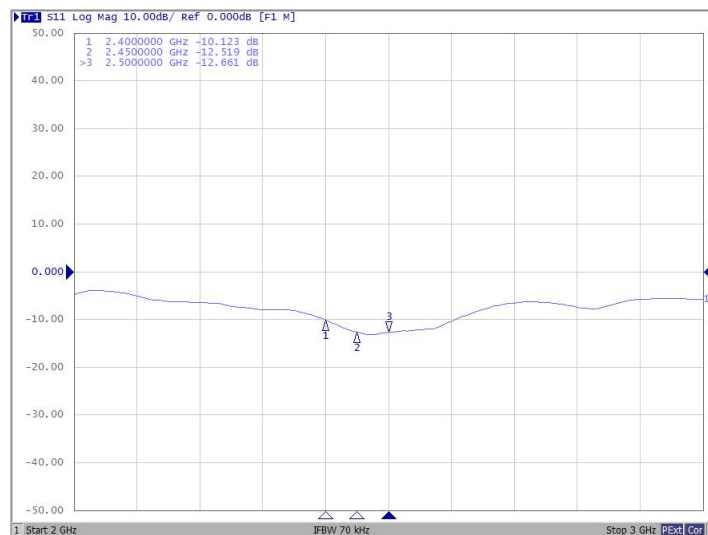
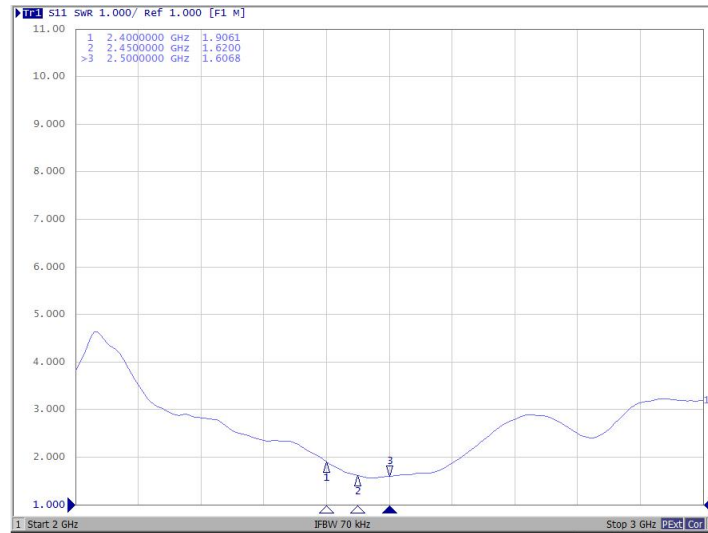
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3.Antenna test data 3-1 S11



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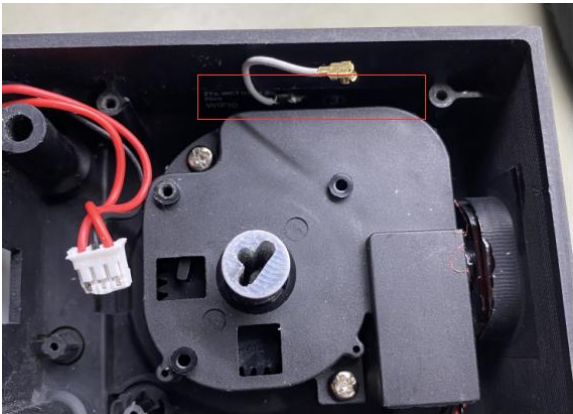
3-2 Active data

测试数据					
2.4GWIFI-B	信道	1	7	13	速率
	TRP	14.44	14.17	14.38	1Mbps
	TRP	14.45	14.11	14.35	11Mbps
	TIS	-85.28	-84.69	-84.83	11Mbps
测试数据					
2.4GWIFI-G	信道	1	7	13	速率
	TRP	12.61	12.15	12.12	6Mbps
	TRP	12.59	12.15	12.13	54Mbps
	TIS	-72.39	-72.37	-72.09	54Mbps
测试数据					
2.4GWIFI-N	信道	1	7	13	速率
	TRP	11.99	11.33	11.30	MCS0
	TRP	11.90	11.27	11.31	MCS7
	TIS	-67.99	-67.91	-67.64	MCS7

3-3 No-source test data

Frequency	Efficiency		Peak Gain
Mhz	%	dB	dB
2400	60.36	-2.19	2.99
2410	60.77	-2.16	3.14
2420	63.82	-1.95	3.51
2430	66.04	-1.80	3.68
2440	66.86	-1.75	3.70
2450	67.82	-1.69	3.67
2460	65.02	-1.87	3.13
2470	66.41	-1.78	3.19
2480	67.02	-1.74	3.12
2490	68.39	-1.65	3.09
2500	67.88	-1.68	2.88

3-4 Environmental treatment



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3-5 2D/3D Radiation Pattern Results

