

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	Gaoshengda	
	CS P/N	WL4C	
	PART NAME	WIFI0	
	FREQUENCY	2400-2500MHz	
	ZTX NO.	2.00001724	
	DATE	2025-03-03	

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Remark:

Sign

Shenzhen ZTX Communication Technology Co., Ltd				
MANAGER CHECKED	MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER
		zhouyilin	zhaofeng	

Shenzhen ZTX Communication Technology Co., Ltd
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ANTENNA SPECIFICATION

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Revision history

versions	date	state
A0	2025-03-03	V1.0

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ANTENNA SPECIFICATION

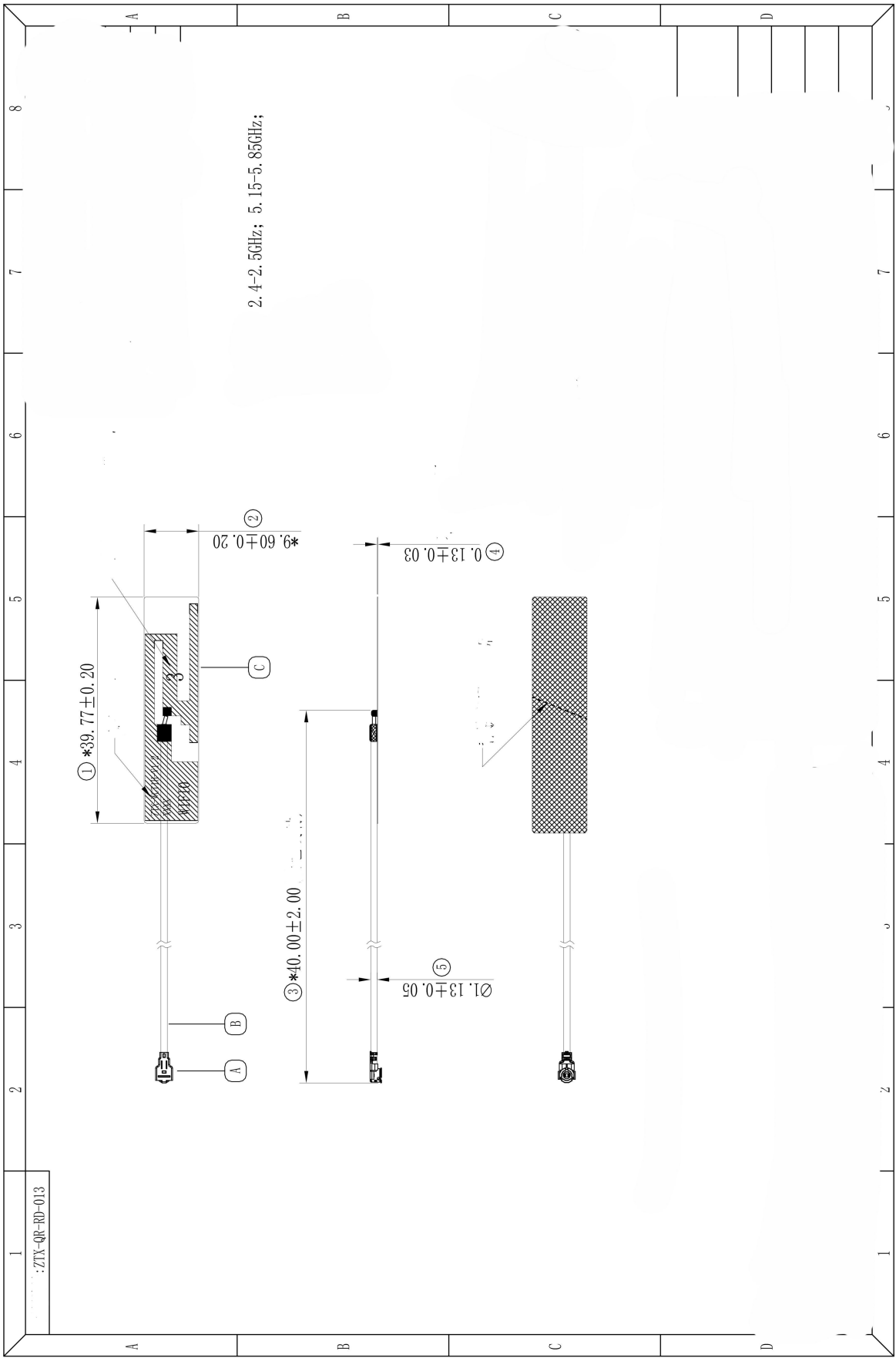
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1. Mechanical Specification

1-1 Mechanical Configuration (WIFI0)



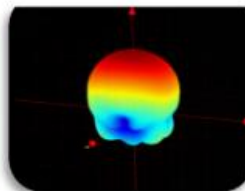
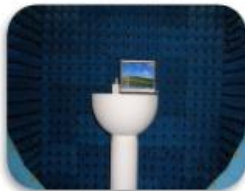
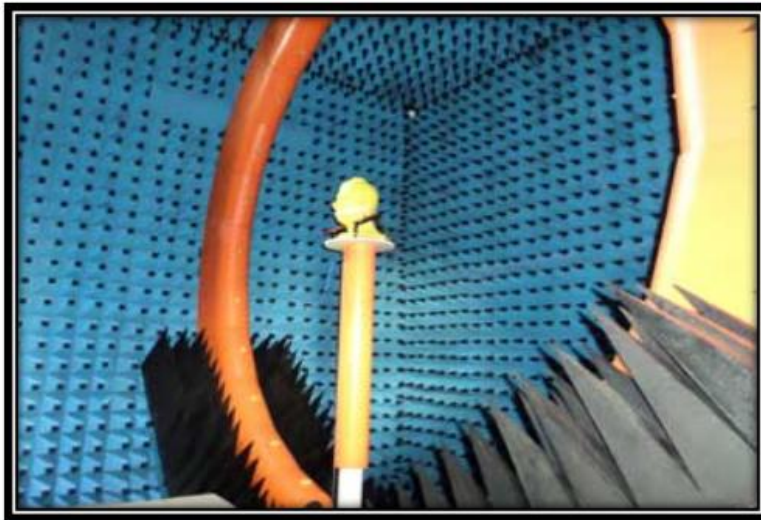
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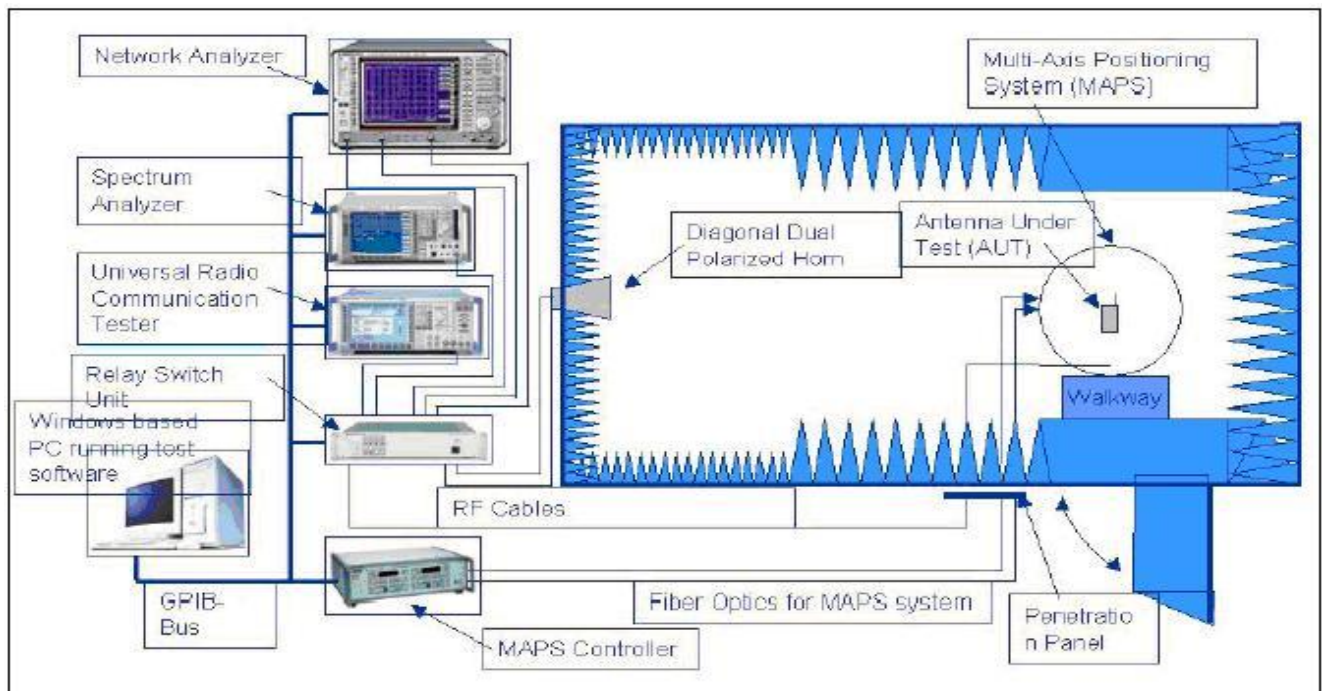
2. Test equipment



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.



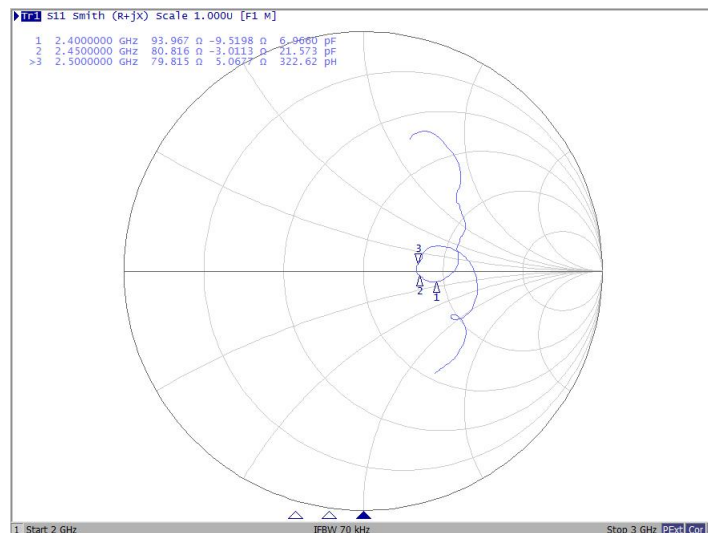
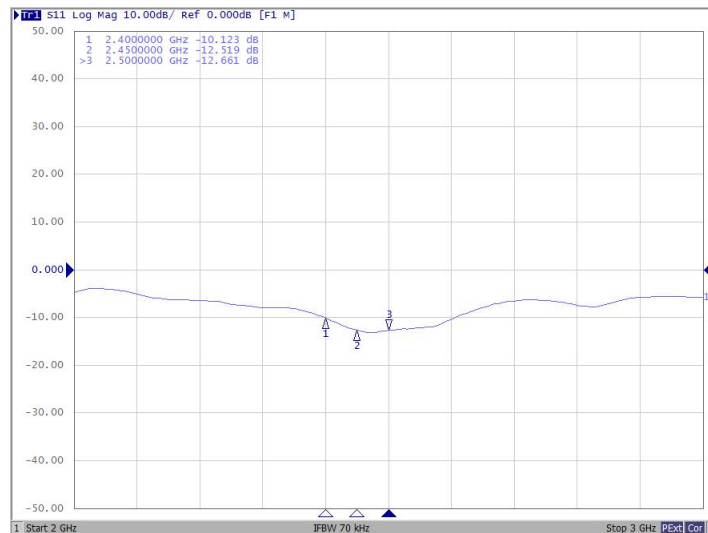
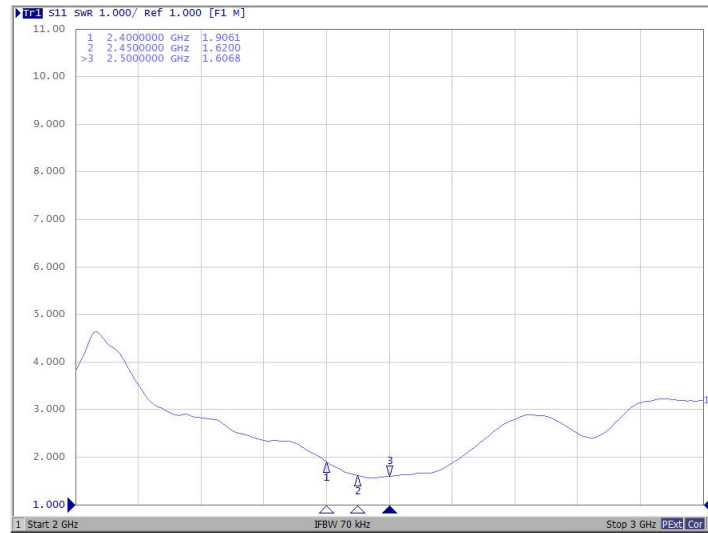
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3.Antenna test data 3-1 S11



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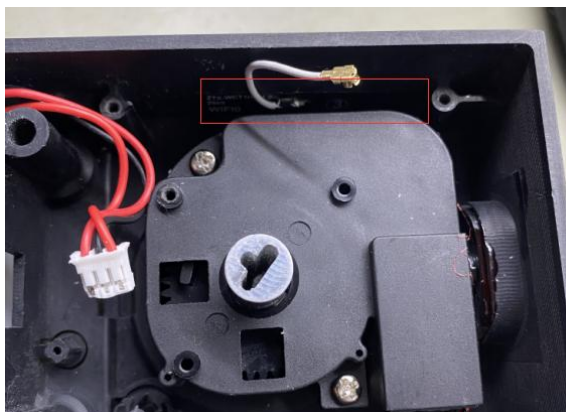
3-2 Active data

2.4GWIFI-B		1	7	13	
	TRP	14.44	14.17	14.38	1Mbps
	TRP	14.45	14.11	14.35	11Mbps
	TIS	-85.28	-84.69	-84.83	11Mbps
2.4GWIFI-G		1	7	13	
	TRP	12.61	12.15	12.12	6Mbps
	TRP	12.59	12.15	12.13	54Mbps
	TIS	-72.39	-72.37	-72.09	54Mbps
2.4GWIFI-N		1	7	13	
	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

