

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

CUSTOMER	Anker
CS P/N	T8172
PART NAME	WIFI1 antenna assembly
FREQUENCY	2400~2500MHz
CUS NO.	
ZTX NO.	2.00001777
DATE	2025-06-05

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
		Youjie.Ke	Yiqing.Lin	



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ANTENNA SPECIFICATION

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ZTX P/N :T8172_WIFI1 antenna assembly

Application Date:Jun,05,2025
Editor:

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Revision history

Edition	Date	state
A0	2025-06-05	First edition

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ANTENNA SPECIFICATION

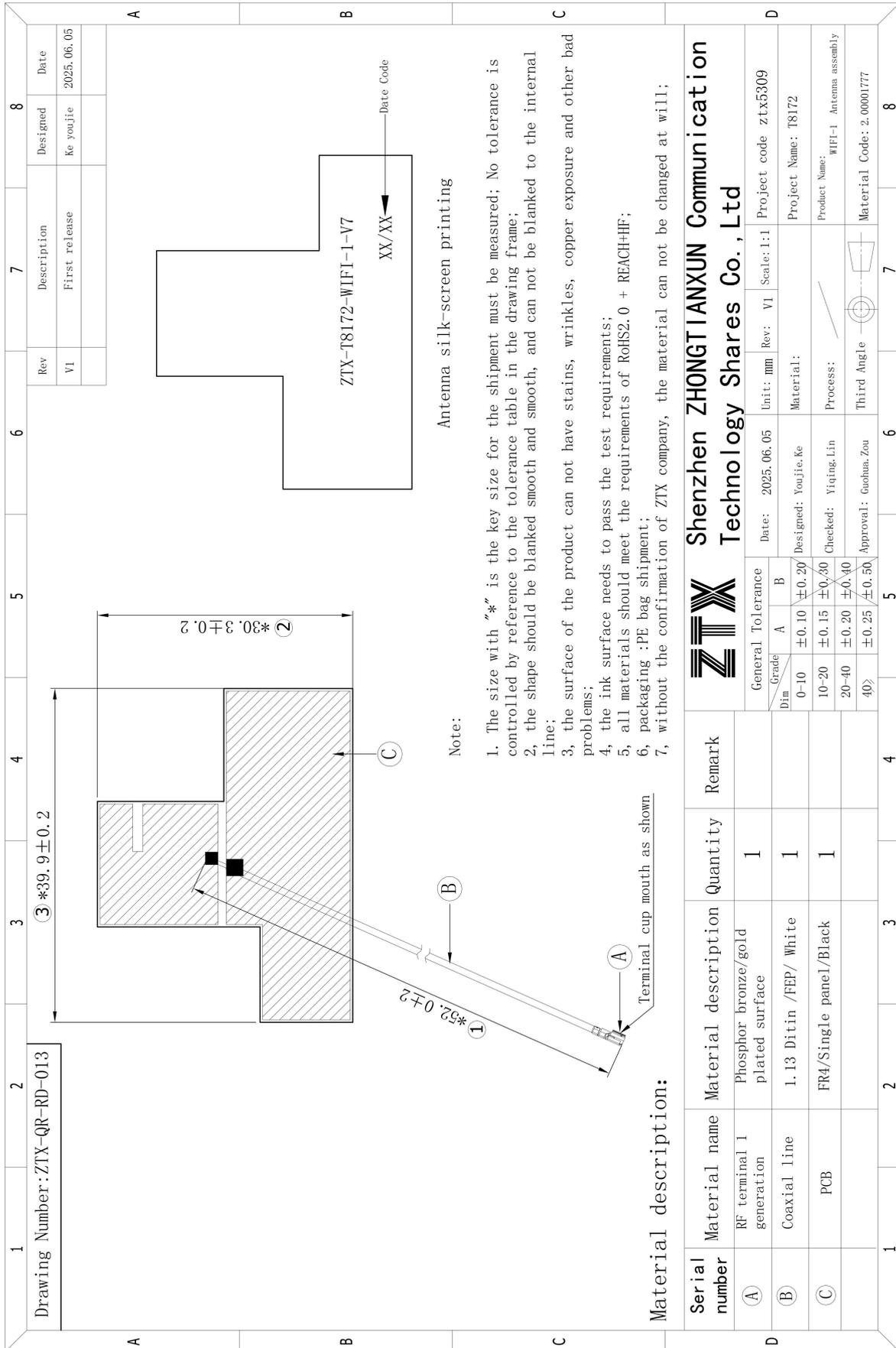
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1. Mechanical Specification

1-1 Mechanical Configuration (WIFI1 antenna assembly)



Drawing Number: ZTX-QR-RD-013		Rev	Description	Date
		V1	First release	2025.06.05
				Designed Re youjie
				2025.06.05

General Tolerance		Date:	2025.06.05	Unit:	mm	Rev:	V1	Scale: 1:1	Project code:	ZTX5309	
Grade	A	B									
Dim	0-10	±0.10	±0.20								
	10-20	±0.15	±0.30								
	20-40	±0.20	±0.40								
	40>	±0.25	±0.50								
		Material:									
		Process:									
		Third Angle									
		Product Name:	WIFI-1 Antenna assembly								
		Material Code:	2.0001777								

Shenzhen ZHONGTIANXUN Communication Technology Shares Co., Ltd	
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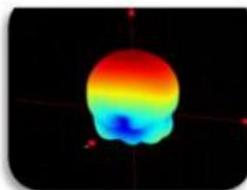
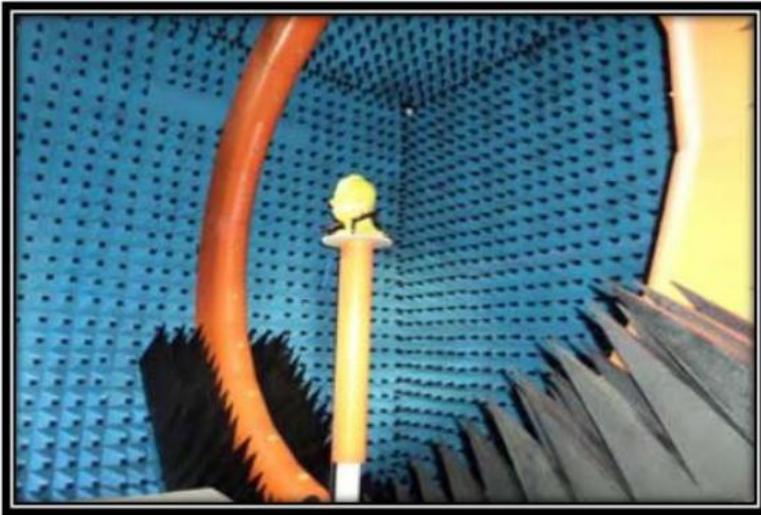
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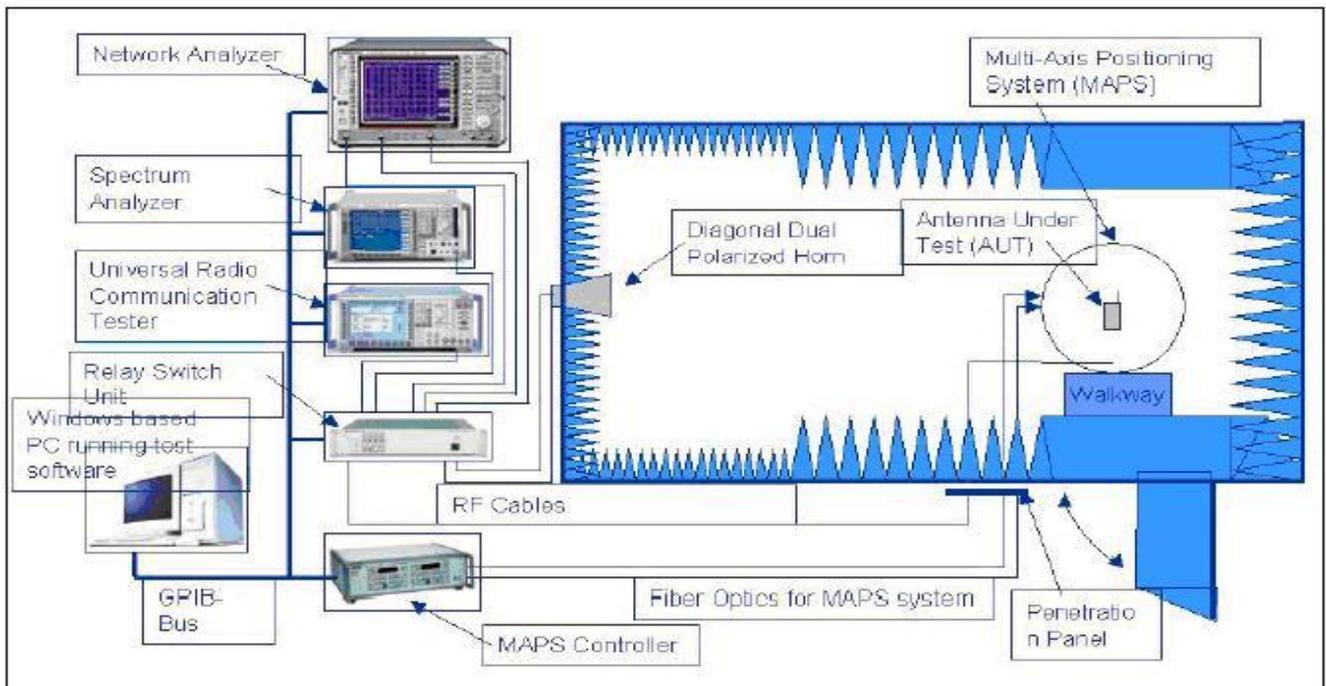
2. Test equipment



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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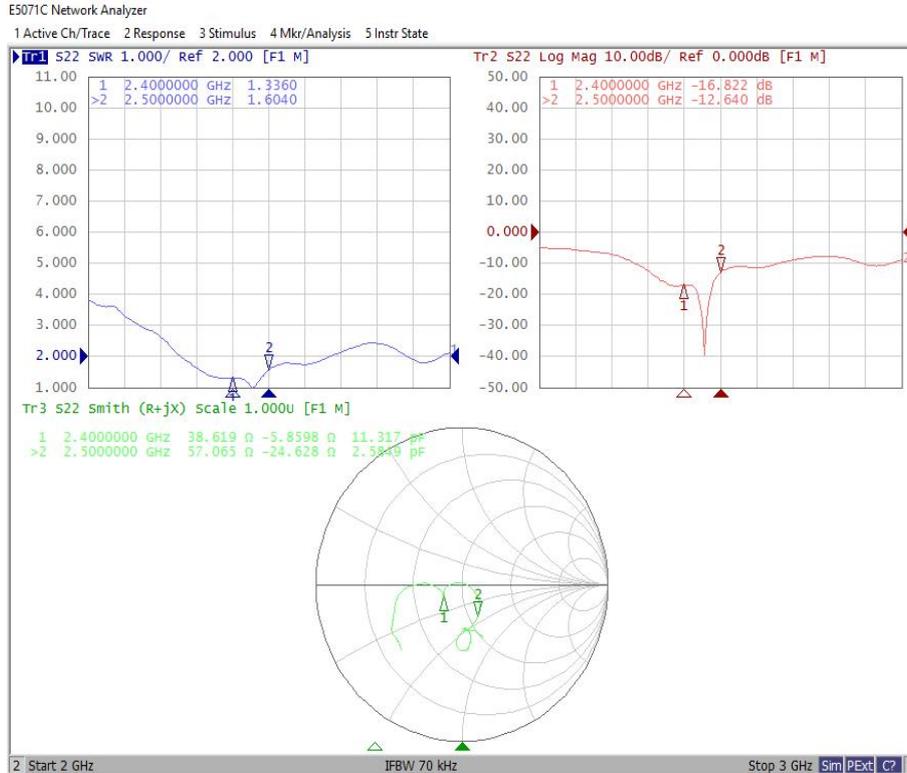
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3.Test Results Summary

3-1 VSWR



3-2 Passive Test

Frequency (MHz)	Efficiency	Efficiency. dB	Gain . dBi
2400	53%	-2.74	4.05
2410	52%	-2.81	3.90
2420	52%	-2.86	3.81
2430	51%	-2.94	3.42
2440	50%	-2.98	2.95
2450	51%	-2.94	3.05
2460	51%	-2.92	3.19
2470	53%	-2.76	3.81
2480	54%	-2.68	3.81
2490	55%	-2.58	3.73
2500	55%	-2.57	3.88

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3-3 2D/3D Radiation Pattern Results

