

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

CUSTOMER	Anker	
CS P/N	T8144	
PART NAME	WIFI1 antenna components	
FREQUENCY	2400~2500MHz	
CUS NO.		
ZTX NO.	2.00001666	
DATE	2025-03-20	

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
2025-03-20		Le.Qin	Jianeng.Feng	



Shenzhen ZTX Communication Technology Co., Ltd

Address: No.34, Shilong Avenue, Shiyan Town, Baoan District, Shenzhen, (Tengda Industrial Park) 518000

Tel.: 0755-27588320 Fax: 0755-27588045 <http://www.chinaztx.com>

ANTENNA SPECIFICATION

CUS P/N:T8144_WIFI1 antenna components

Application Date:Mar,20,2025

Rev: R:A0

ZTX P/N :T8144_WIFI1 antenna components

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Revision history

Edition	Date	state
A0	2025-03-20	First edition

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ANTENNA SPECIFICATION

Application Date:Mar,20,2025

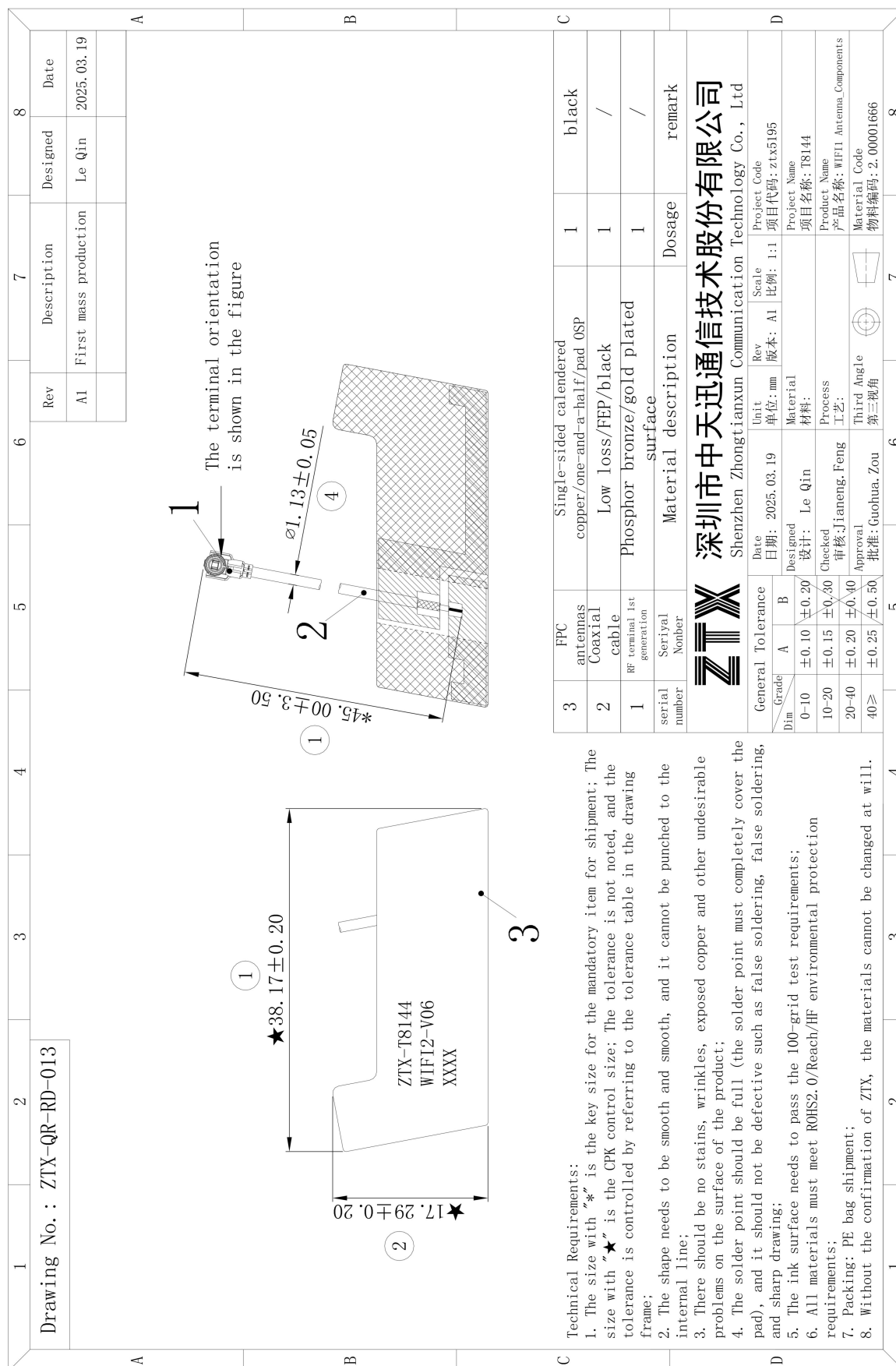
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1. Mechanical Specification

1-1 Mechanical Configuration (WIFI1 antenna components)



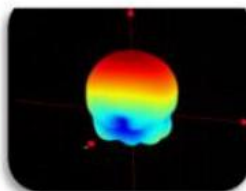
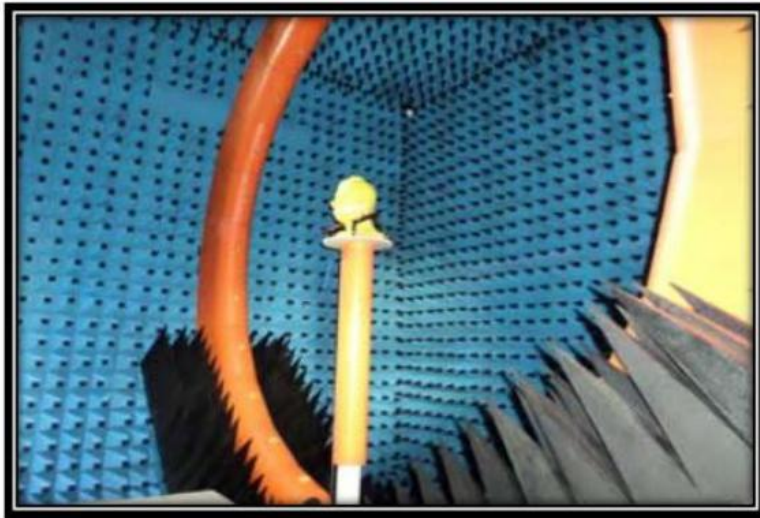
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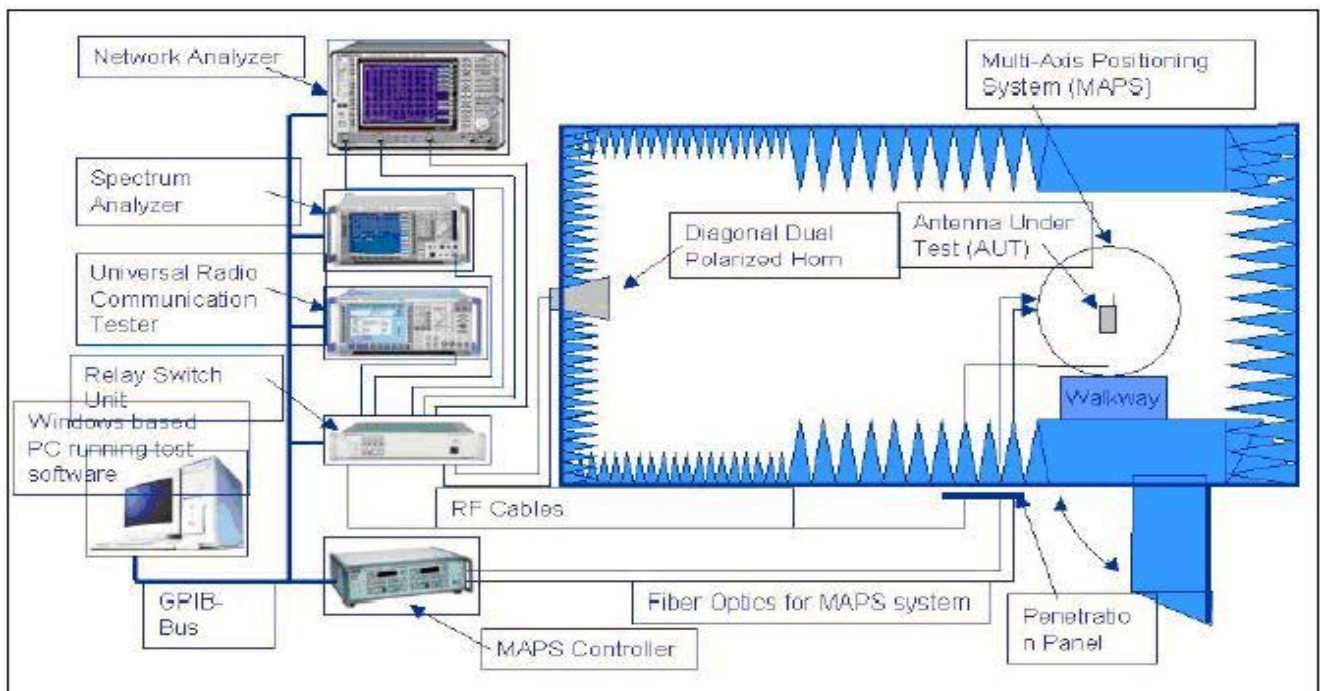
2. Test equipment



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.



ANTENNA SPECIFICATION

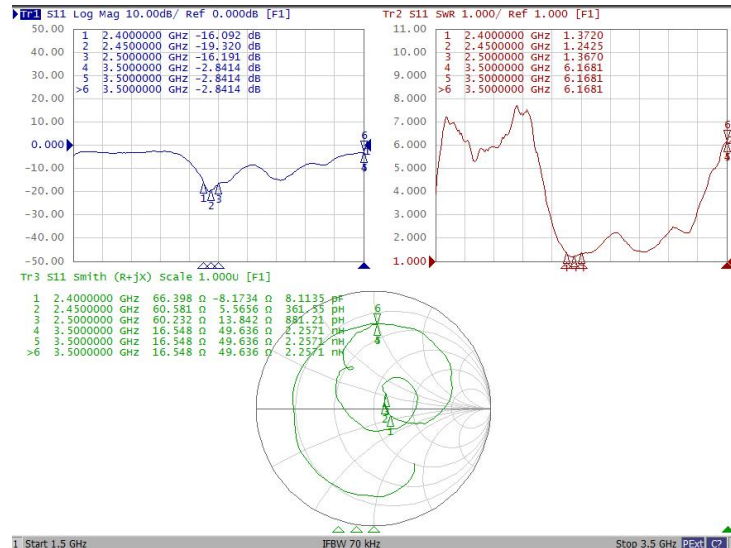
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3.Test Results Surmmary

3-1 S11



3-2 No-source test data

Frequency	Efficiency	Efficiency . dB	Gain . dBi
2400	57%	-2.44	2.18
2410	58%	-2.35	2.04
2420	59%	-2.33	1.88
2430	58%	-2.37	2.23
2440	59%	-2.30	2.59
2450	59%	-2.31	2.69
2460	60%	-2.25	2.81
2470	60%	-2.21	3.13
2480	59%	-2.32	3.18
2490	60%	-2.24	3.18
2500	57%	-2.45	3.54

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3-3 2D Radiation Pattern Results

