

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A1)

	CUSTOMER	Tongli	
	CS P/N	C38	
	PART NAME	WIFI antenna	
	MODEL NAME		
	FREQUENCY	2400~2500MHz	
	ZTX NO.	1.03.03512	
	DATE	2025-08-25	

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
		Le.Qin	Jin.We	



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ANTENNA SPECIFICATION

Revision history

Edition	Date	state
A1	2025-08-25	First edition

ANTENNA SPECIFICATION

CUS P/N:C38_WIFI antenna

Application Date:Aug,25,2025

Rev: R:A1

ZTX P/N :C38_WIFI antenna

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ANTENNA SPECIFICATION

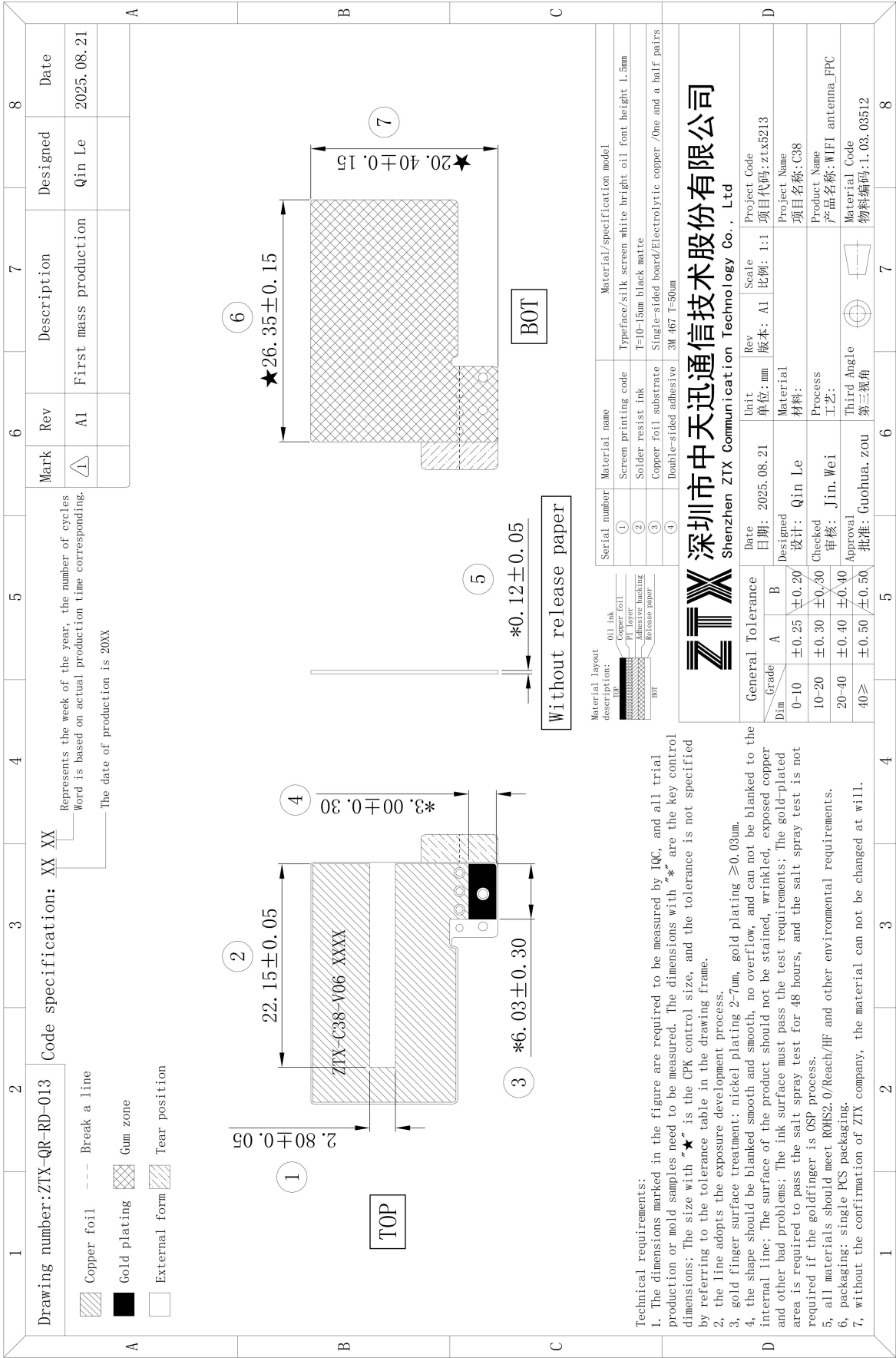
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1. Mechanical Specification

1-1 Mechanical Configuration (WIFI antenna)



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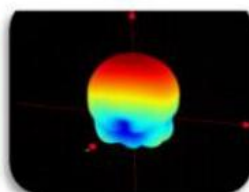
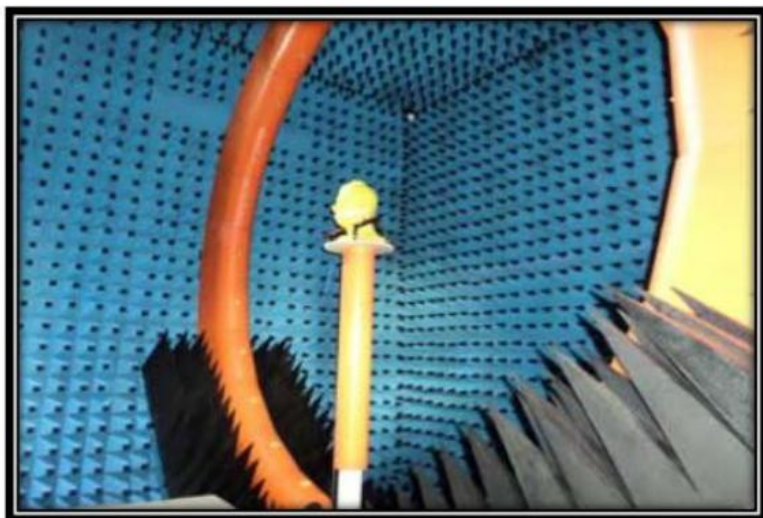
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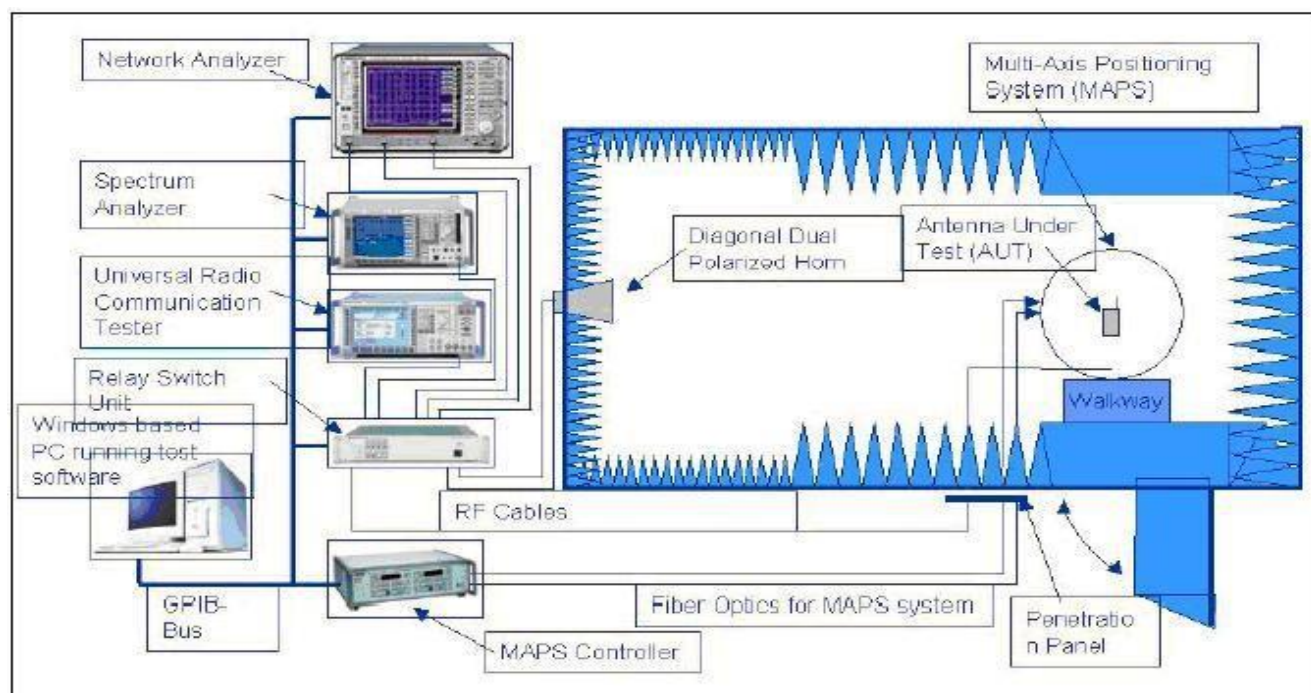
2.Test equipment



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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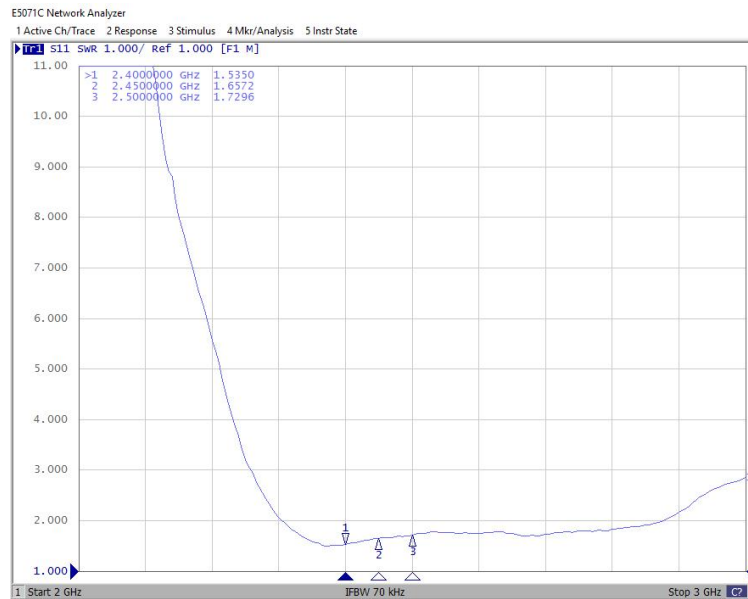
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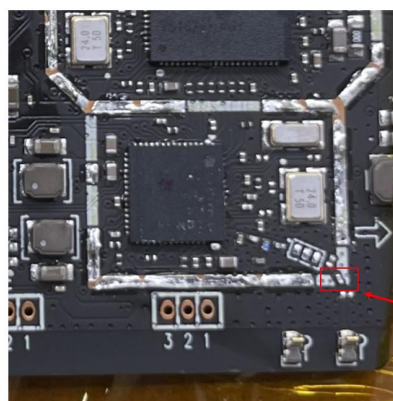
2-1 VSWR



2-2 Passive Test

Frequency	Efficiency	Efficiency (dB)	Gain (dBi)
2400MHz	62%	-2.07	2.30
2410MHz	62%	-2.10	2.47
2420MHz	63%	-2.01	2.38
2430MHz	63%	-1.98	2.44
2440MHz	63%	-2.00	2.42
2450MHz	62%	-2.04	2.32
2460MHz	64%	-1.93	2.36
2470MHz	63%	-1.98	2.26
2480MHz	64%	-1.93	2.45
2490MHz	62%	-2.07	2.34
2500MHz	63%	-2.00	2.40

2-3 Environmental treatment



The bit is 0.6PF
and the bit is
suspended

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2-4 2D/3D Radiation Pattern Results

