

致 (TO) : Kan Tsang New Technology Development Limited

Date: 27 February 2025

承 認 書

(APPROVAL SHEET)

ROHS ☐

REACH ☐

CP65 ☐

HF ☐

品 名 :

PART NAME : KT428W

规 格 :

SPECIFICATION: Receiving end copper ube-antenna
product

承 認 章

APPROVEDBY



Changlin. Liu

Qian. Wang

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	Kan Tsang New Technology Development Limited	
	CS P/N	KT428W	
	PART NAME	Receiving end copper ube-antenna product	
	FREQUENCY	2400~2500MHz	
	ZTX NO.	1.21.00032	
	DATE	2025-02-27	

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
		Changlin.Liu	Qian.Wang	



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ANTENNA SPECIFICATION

CUS P/N: KT428W_Receiving end copper ube-antenna product Application Date:Feb,27,2025
ZTX P/N : KT428W_Receiving end copper ube-antenna product Editor:

Rev: R:A0
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Revision history

edition	date	state
A0	2025-02-27	first edition

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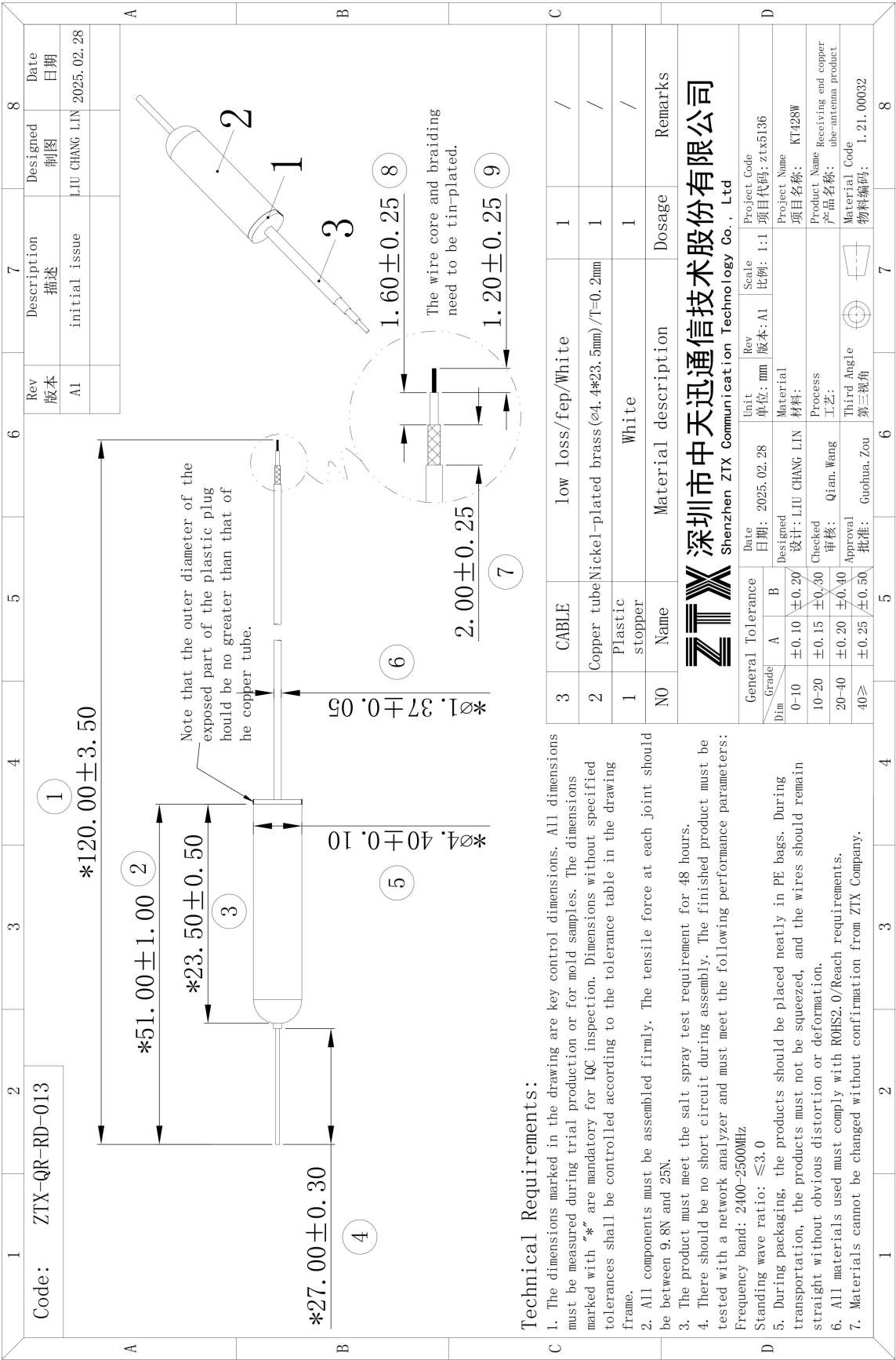
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1.Mechanical Specification

1-1 Mechanical Configuration (Receiving end copper ube-antenna product)



ANTENNA SPECIFICATION

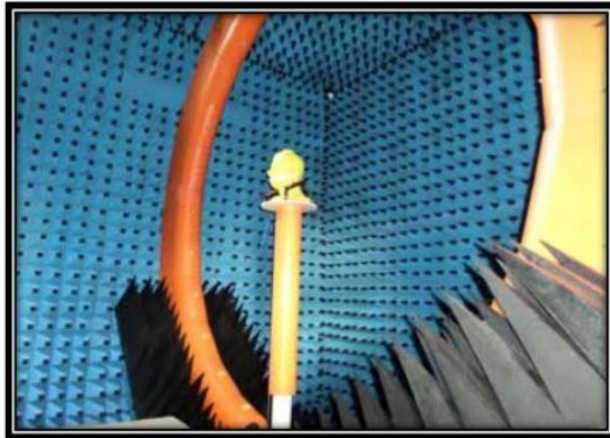
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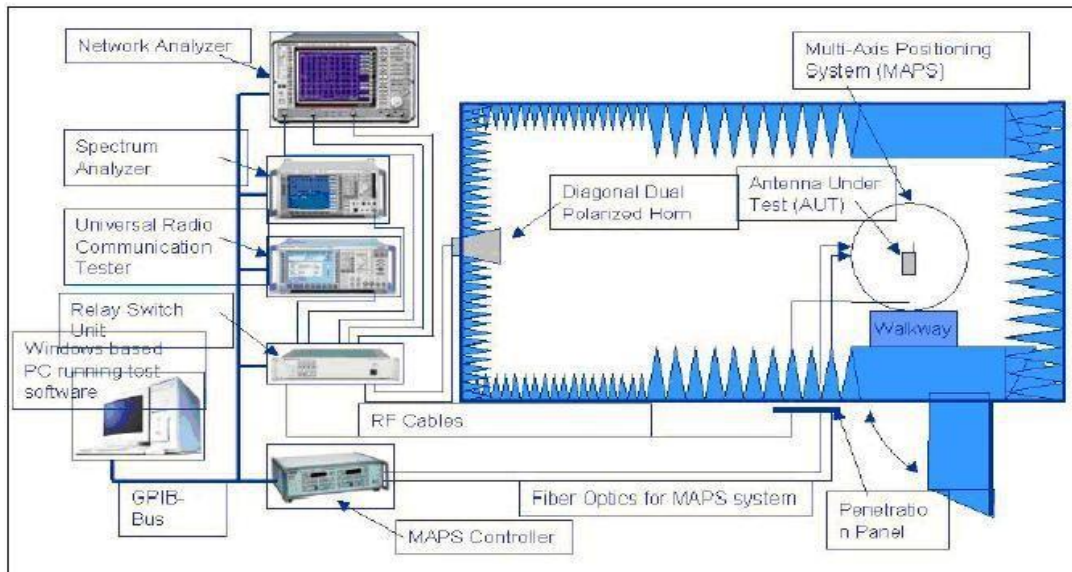
2.Test equipment



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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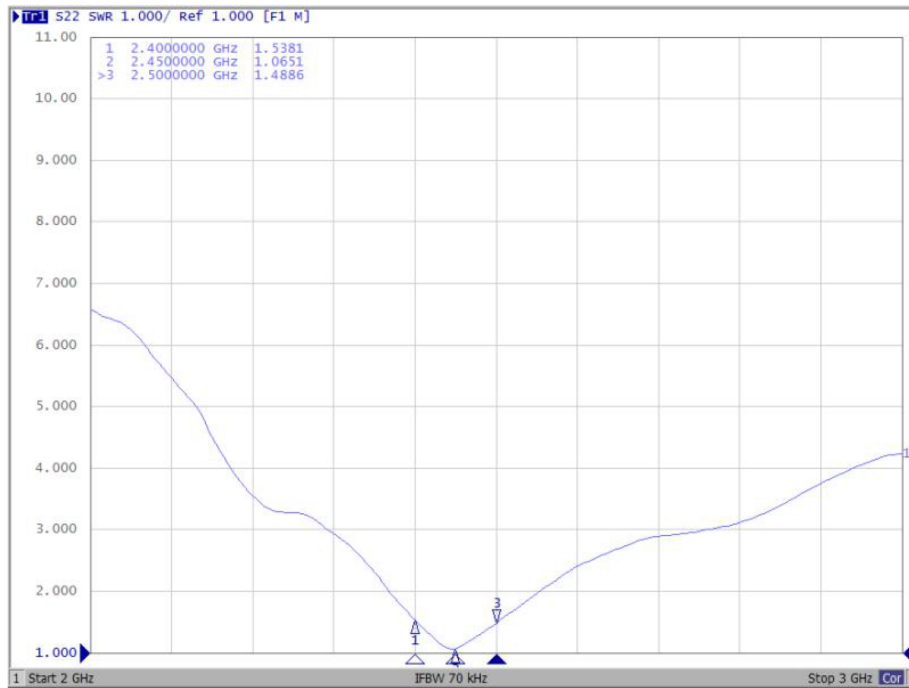
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3.Test Results Surmmary

3-1 VSWR

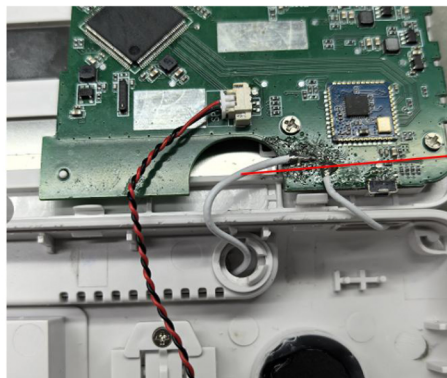
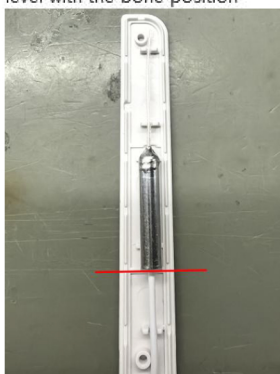


3-2 Passive Test

Frequency (MHZ)	Efficiency	Efficiency . dB	Gain . dB
2400	75%	-1.23	3.67
2410	76%	-1.21	3.70
2420	76%	-1.17	3.75
2430	76%	-1.18	4.34
2440	77%	-1.14	3.90
2450	78%	-1.06	3.77
2460	76%	-1.20	3.64
2470	75%	-1.23	3.76
2480	76%	-1.19	3.93
2490	76%	-1.19	3.81
2500	76%	-1.19	3.71

3-3 Environmental treatment

The bottom of the copper tube is level with the bone position



The cable is extended by 15mm

ANTENNA SPECIFICATION

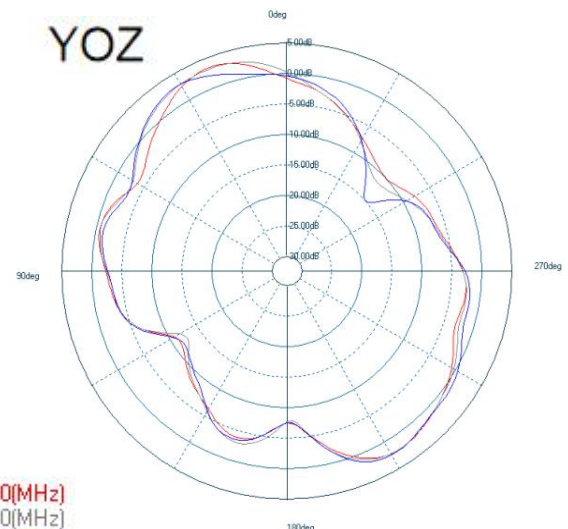
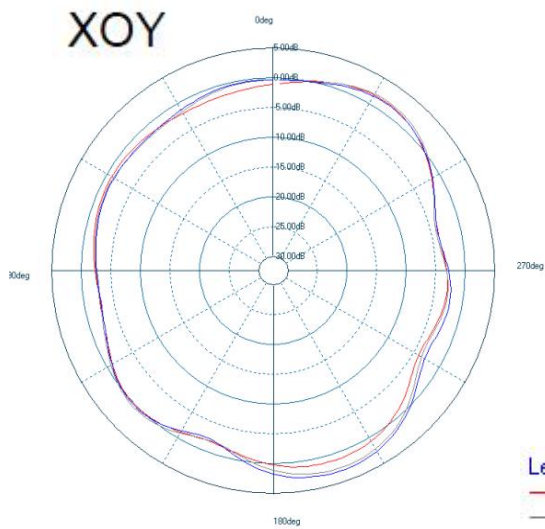
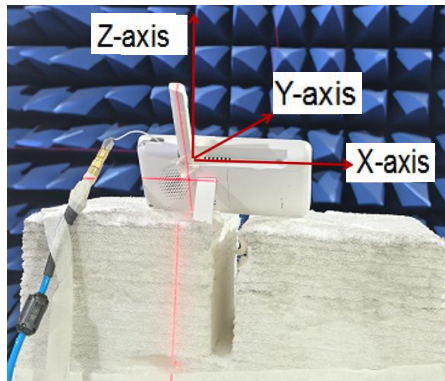
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3-4 2D/3D Radiation Pattern Results Z-axis



Legend
— 2400.00(MHz)
— 2450.00(MHz)
— 2500.00(MHz)

