

致 (TO) : Dongguan Jiasong Electronic Technology Co., LTD

Date: December 20, 2024

承 認 書

(APPROVAL SHEET)

ROHS ☐ REACH ☐ CP65 ☐ HF ☐

品 名 :
PART NAME : KT438W

规 格 :
SPECIFICATION: Copper tube antenna at the receiving end

承 認 章	APPROVED BY
2024.12.20 研发专用章 徐 倩 Xiangrong. Zhou	

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	jiasong	
	CS P/N	KT438W	
	PART NAME	Copper tube antenna at the receiving end	
	FREQUENCY	2400~2500MHz	
	ZTX NO.	1.21.00031	
	DATE	2024-12-20	

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
		Le.Qin	Xiangrong.Zhou	



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ANTENNA SPECIFICATION

Revision history

edition	date	state
A0	2024-12-20	first edition

ANTENNA SPECIFICATION

CUS P/N:KT438W_Copper tube antenna at the receiving end Application Date:Dec,20,2024

Rev: R:A0

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ANTENNA SPECIFICATION

CUS P/N:KT438W_Copper tube antenna at the receiving end Application Date:Dec,20,2024

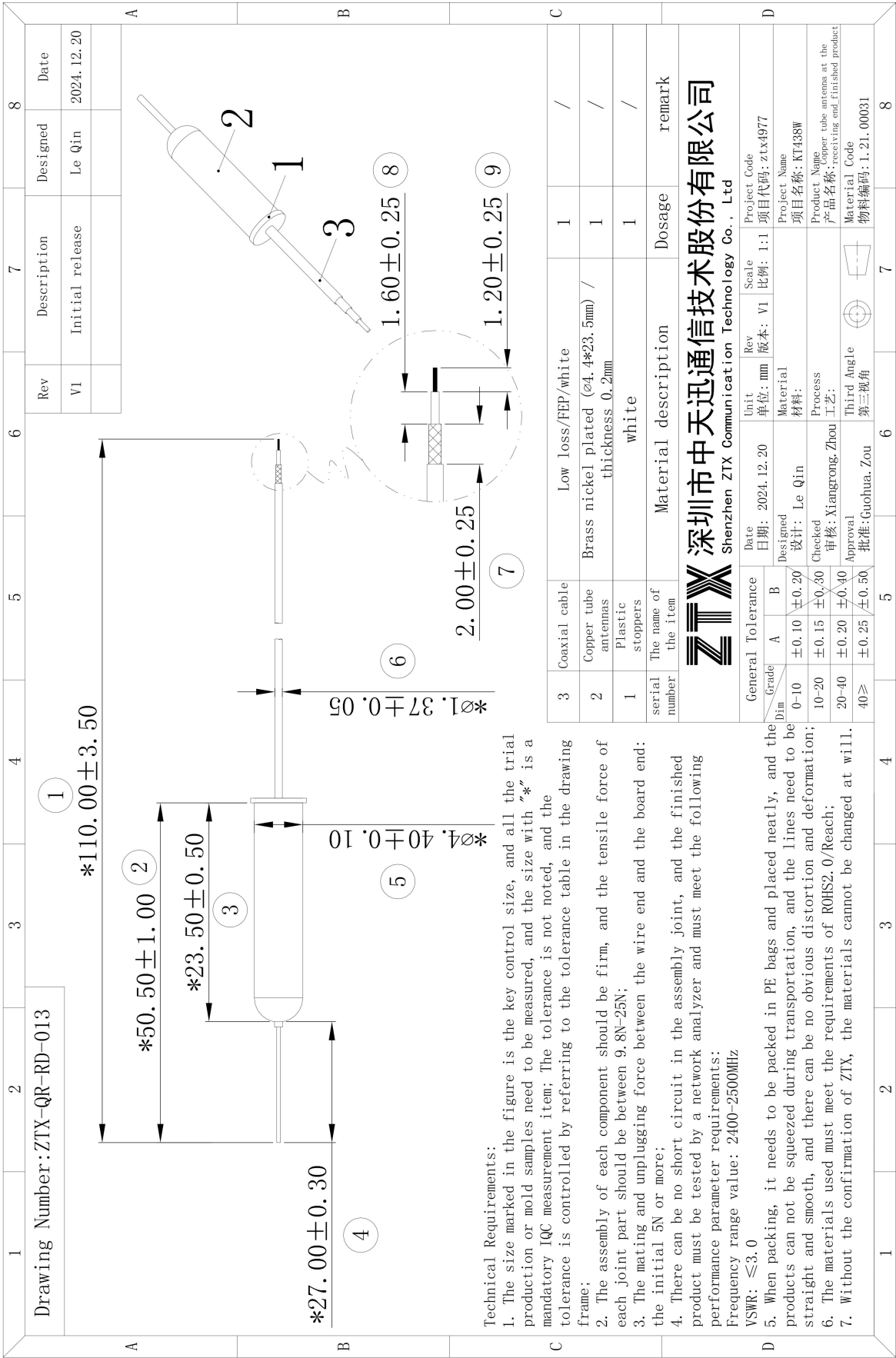
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1.Mechanical Specification

1-1 Mechanical Configuration (Copper tube antenna at the receiving end)



ANTENNA SPECIFICATION

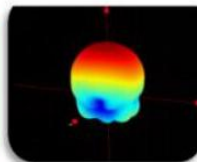
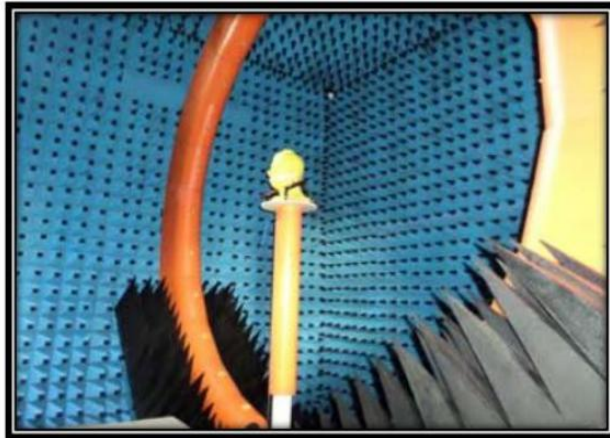
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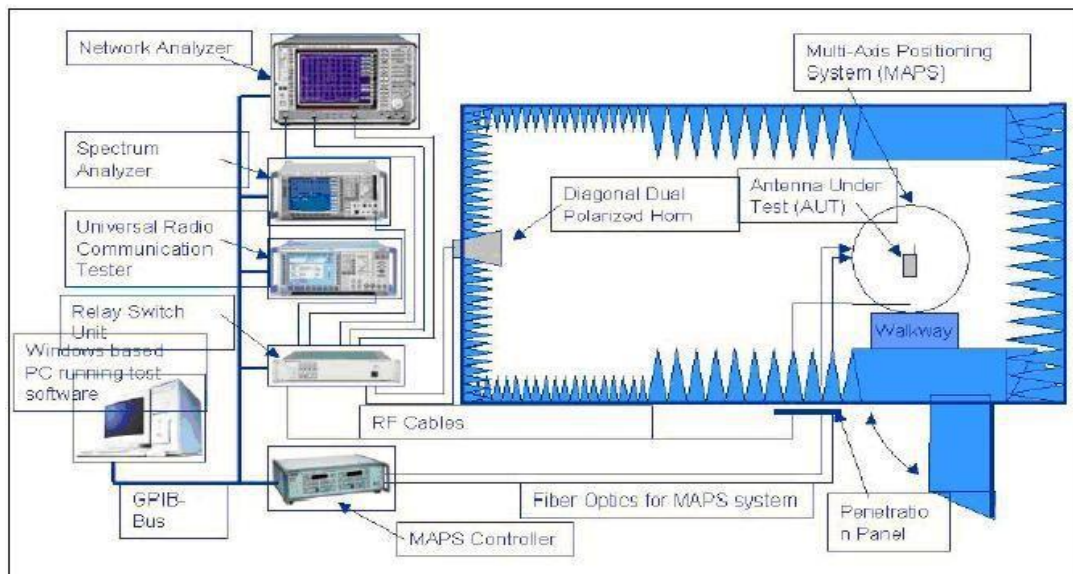
2.Test equipment



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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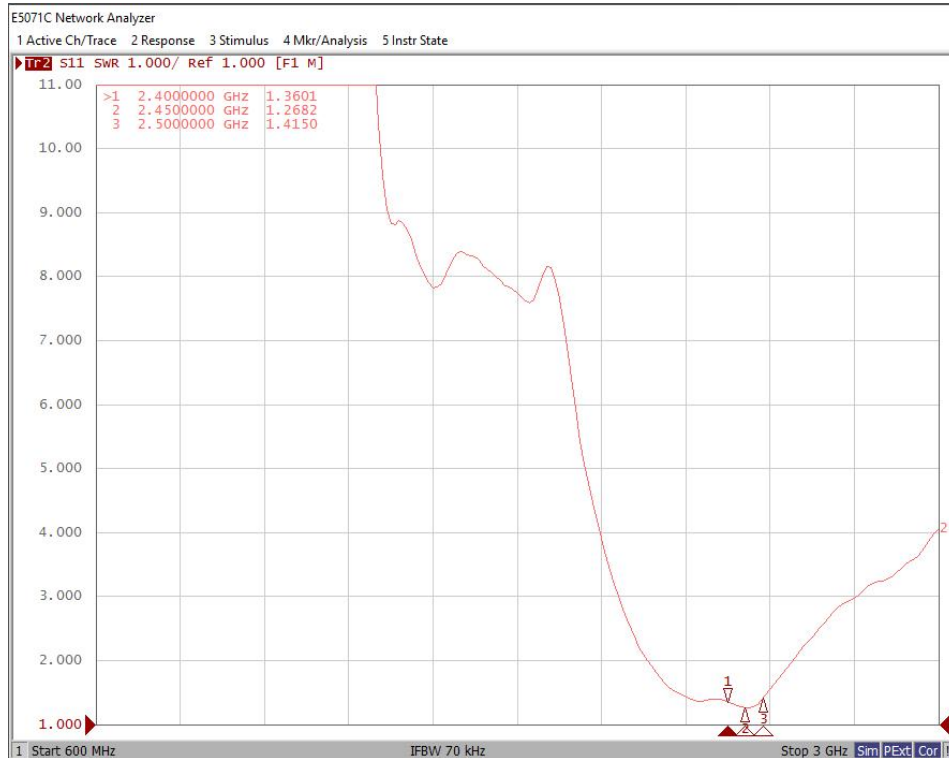
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3.Test Results Summary

3-1 VSWR



3-2 Passive Test

Frequency	Efficiency		Peak Gain
Mhz	%	db	db i
2400	75%	-1.26	4.39
2410	75%	-1.27	4.58
2420	76%	-1.22	4.55
2430	78%	-1.11	4.52
2440	78%	-1.09	4.46
2450	76%	-1.21	4.22
2460	74%	-1.29	4.13
2470	74%	-1.31	3.93
2480	73%	-1.39	3.59
2490	72%	-1.41	3.36
2500	73%	-1.36	3.27

ANTENNA SPECIFICATION

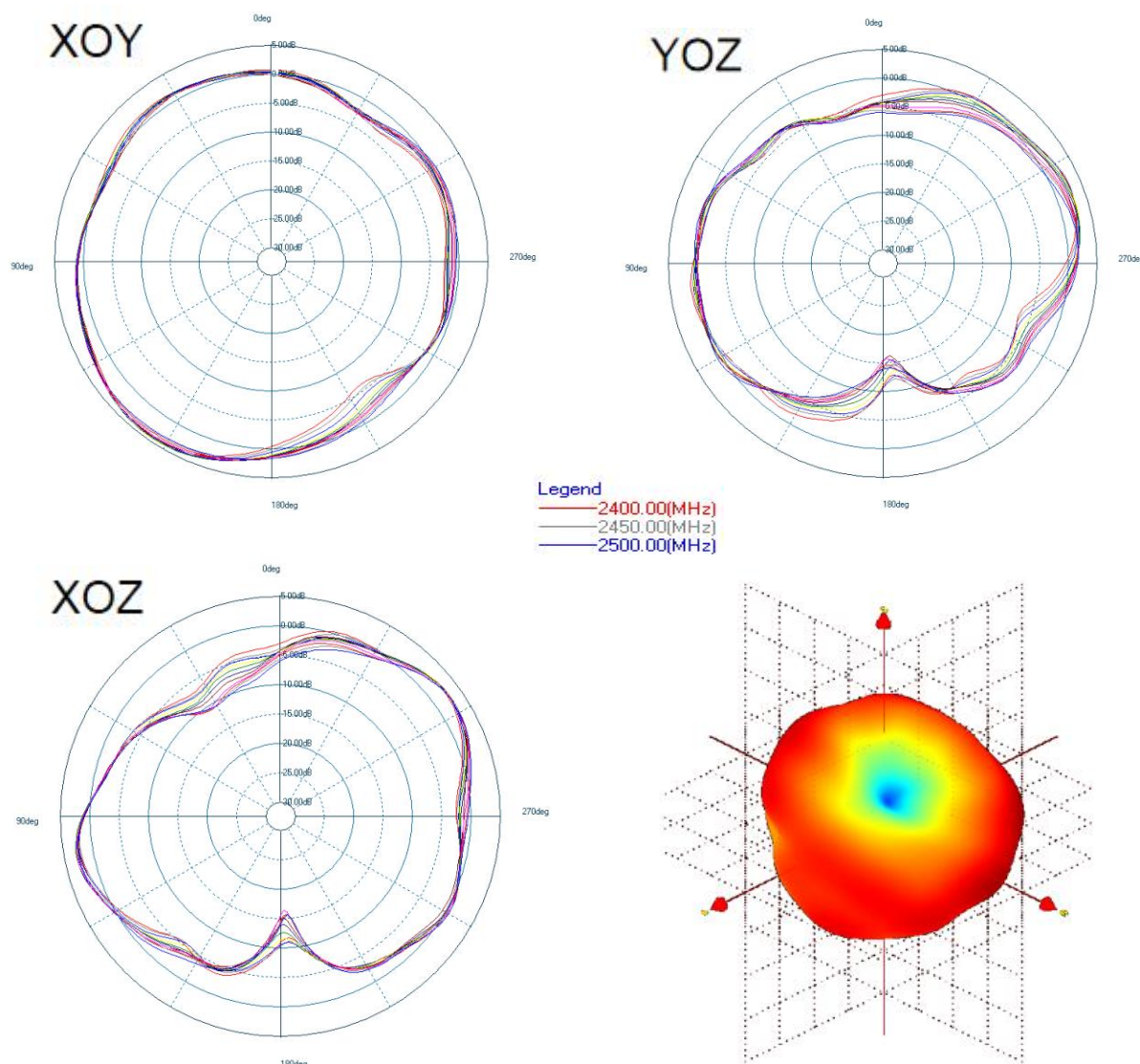
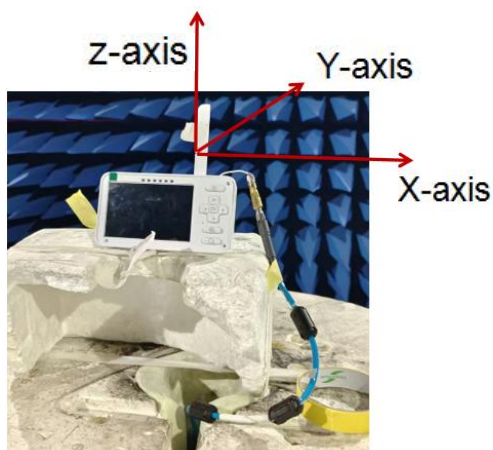
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3-3 2D/3D Radiation Pattern Results



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3-4 Environmental treatment

