

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

Date: September 6, 2024

承 認 書

(APPROVAL SHEET)

ROHS ☐ REACH ☐ CP65 ☐ HF ☐

品 名 :
PART NAME : DR-SBM001

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

承 認 章	APPROVED BY
Le. Qian Wang 	

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	jiasong	
	CS P/N	DR-SBM001	
	PART NAME	Copper tube antenna at the receiving end	
	FREQUENCY	2400~2500MHz	
	ZTX NO.	1.21.00024	
	DATE	2024-09-06	

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Remark:

Sign:

Shenzhen ZTX Communication Technology Co., Ltd				
MANAGER CHECKED 09 06	MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER
研发专用章		Le.Qin	Qian.Wang	



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ANTENNA SPECIFICATION

Revision history

edition	date	state
A0	2024-09-06	first edition

ANTENNA SPECIFICATION

CUS P/N: DR-SBM001_Copper tube antenna at the receiving end

Application Date: Sep, 06, 2024

Rev: R:A0

ZTX P/N : DR-SBM001_Copper tube antenna at the receiving end

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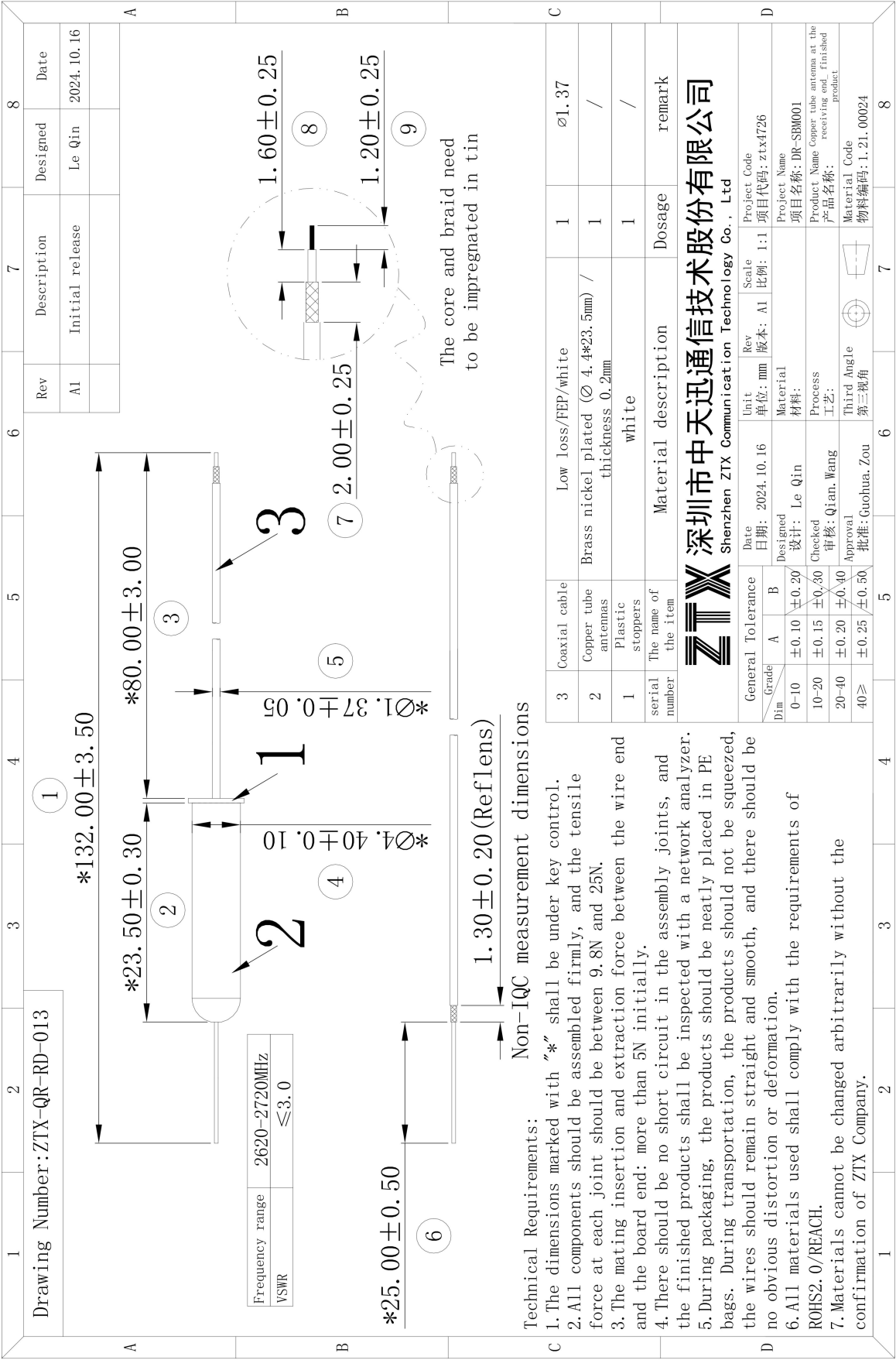
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ANTENNA SPECIFICATION

1.Mechanical Specification

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



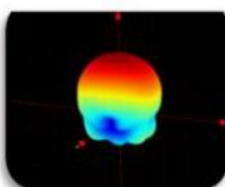
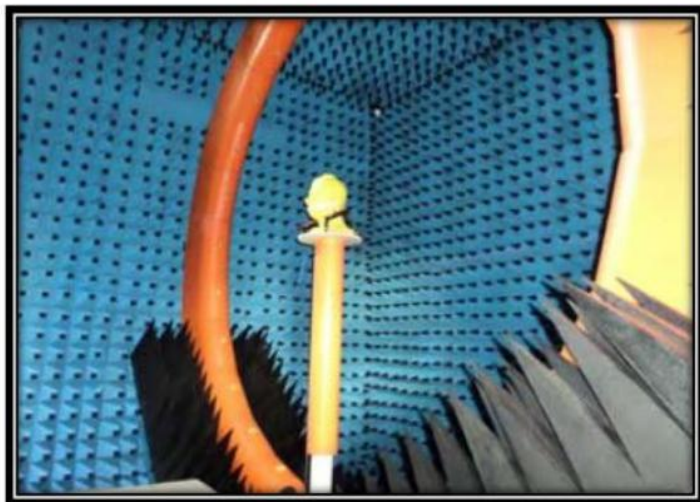
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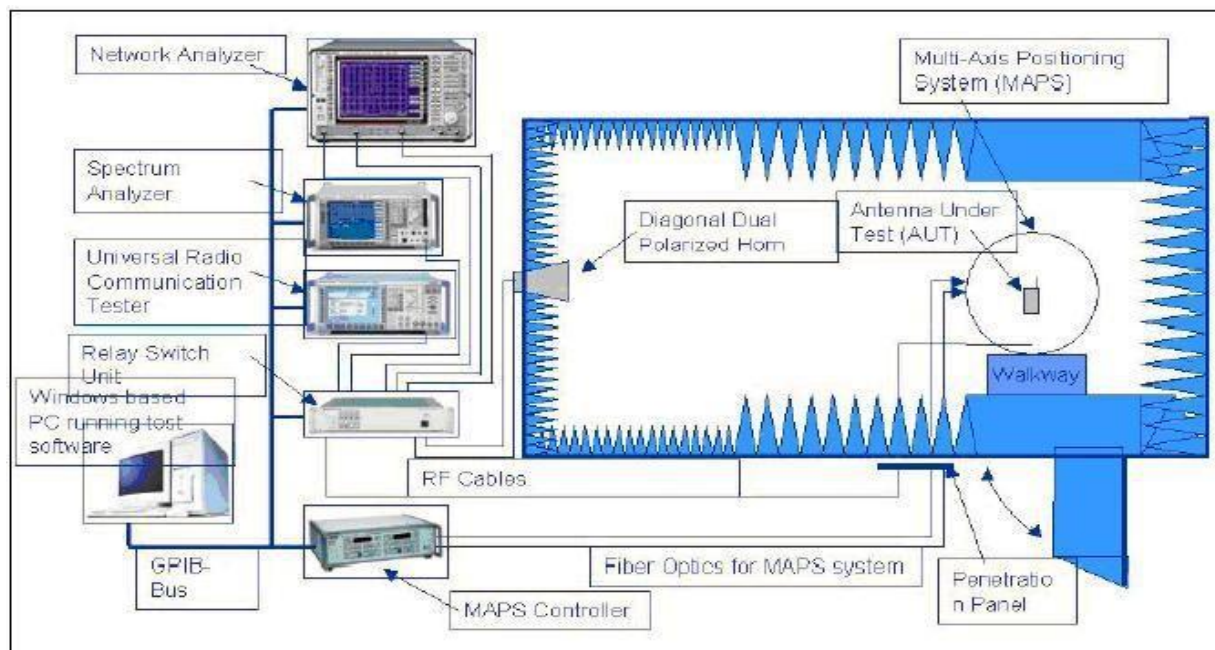
2. Test equipment



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.



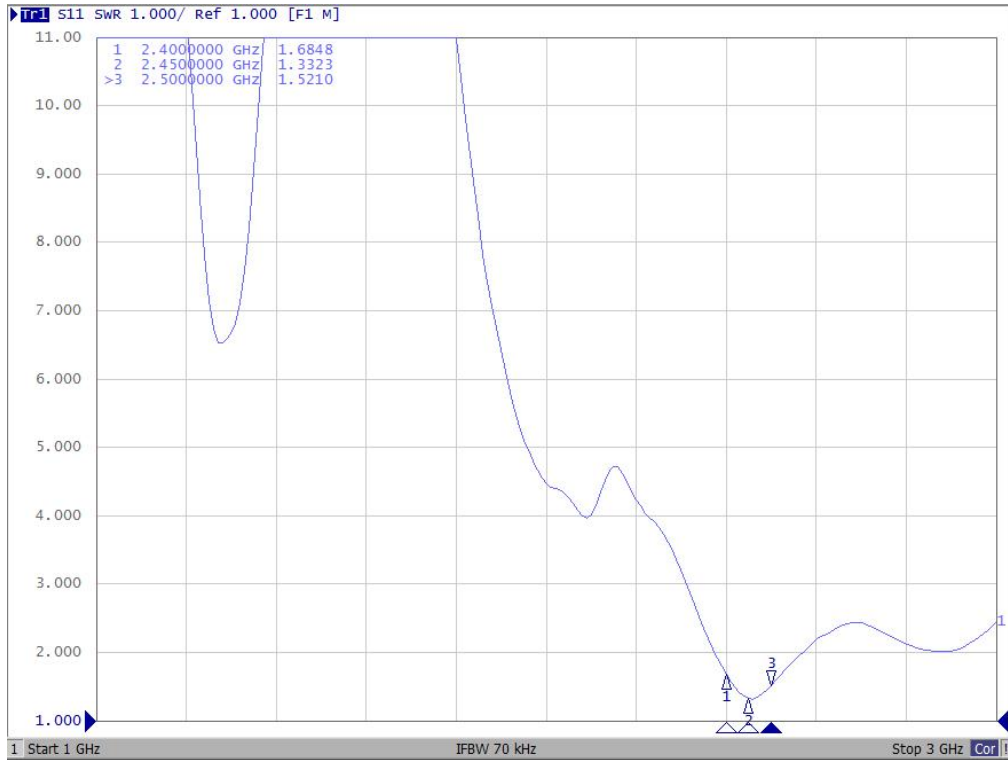
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2-1 VSWR



2-2 Passive Test

Frequency (MHZ)	Efficiency	Efficiency . dB	Gain . dB
2400	74%	-1.30	3.32
2410	74%	-1.31	3.24
2420	75%	-1.25	3.46
2430	77%	-1.11	3.70
2440	77%	-1.11	3.54
2450	77%	-1.13	3.30
2460	76%	-1.18	2.95
2470	76%	-1.17	3.01
2480	77%	-1.12	3.19
2490	77%	-1.14	3.02
2500	78%	-1.09	2.93

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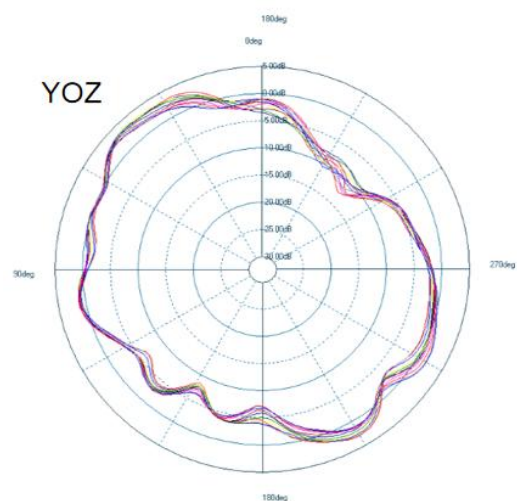
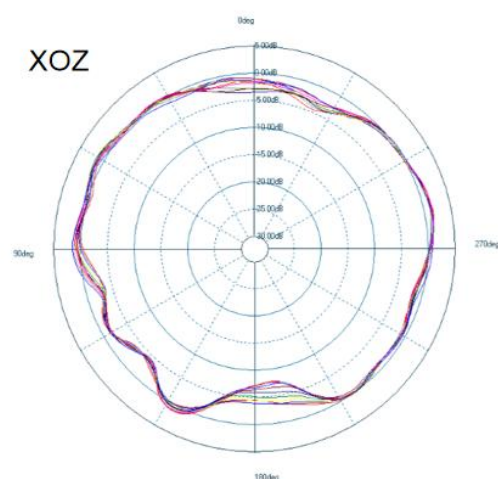
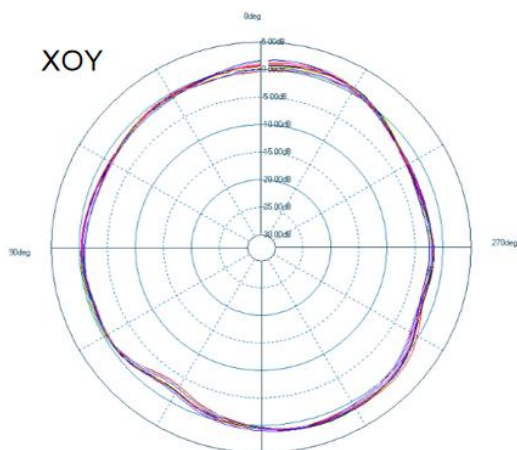
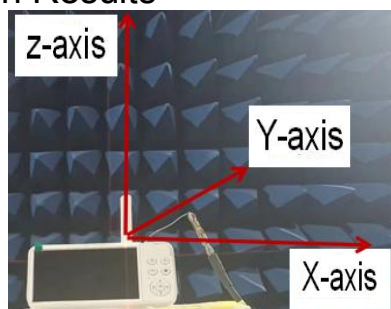
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2-3 2D/3D Radiation Pattern Results



Legend

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

