

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: Transmitter-end copper tube antenna

承 認 章	APPROVEDBY
Le.Cn, Qian.Wang 2024.09.06 研发专用章	

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER		
	CS P/N	DR-SBM001	
	PART NAME	Transmitter-end copper tube antenna	
	FREQUENCY	2400~2500MHz	
	ZTX NO.	1.21.00023	
	DATE	2024-09-06	

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	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_Transmitter-end copper tube antenna Application Date: Sep, 06, 2024

Rev: R:A0

ZTX P/N : DR-SBM001_Transmitter-end copper tube antenna Editor:

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ANTENNA SPECIFICATION

Application Date: Sep, 06, 2024

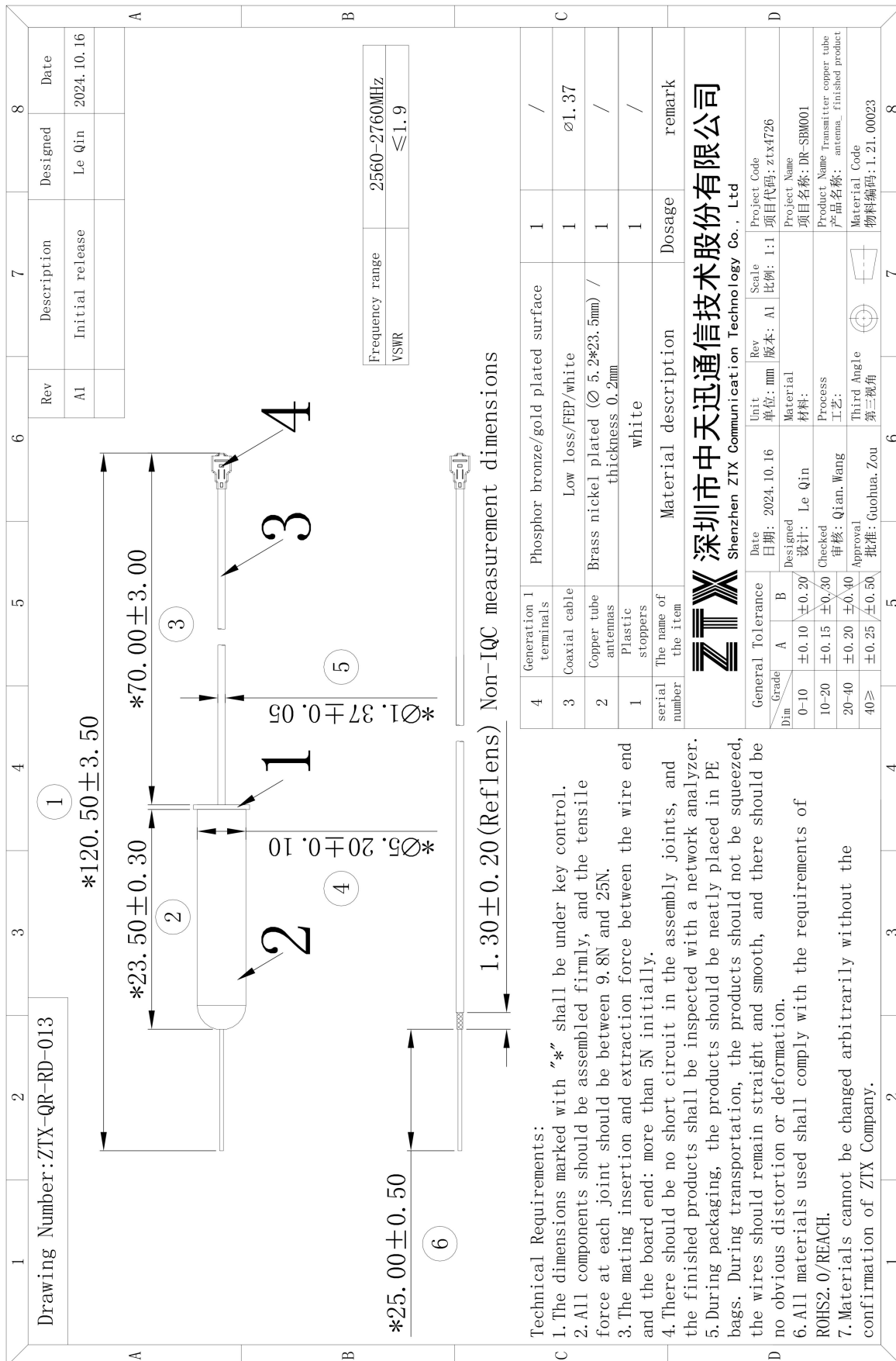
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1.Mechanical Specification

1-1 Mechanical Configuration (Transmitter-end copper tube antenna)



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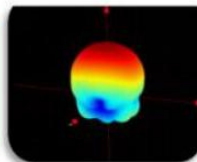
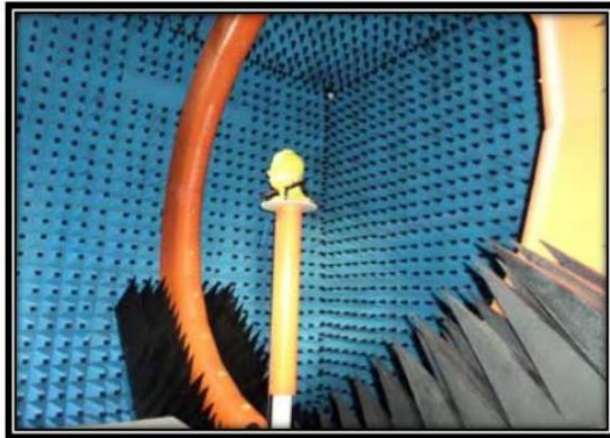
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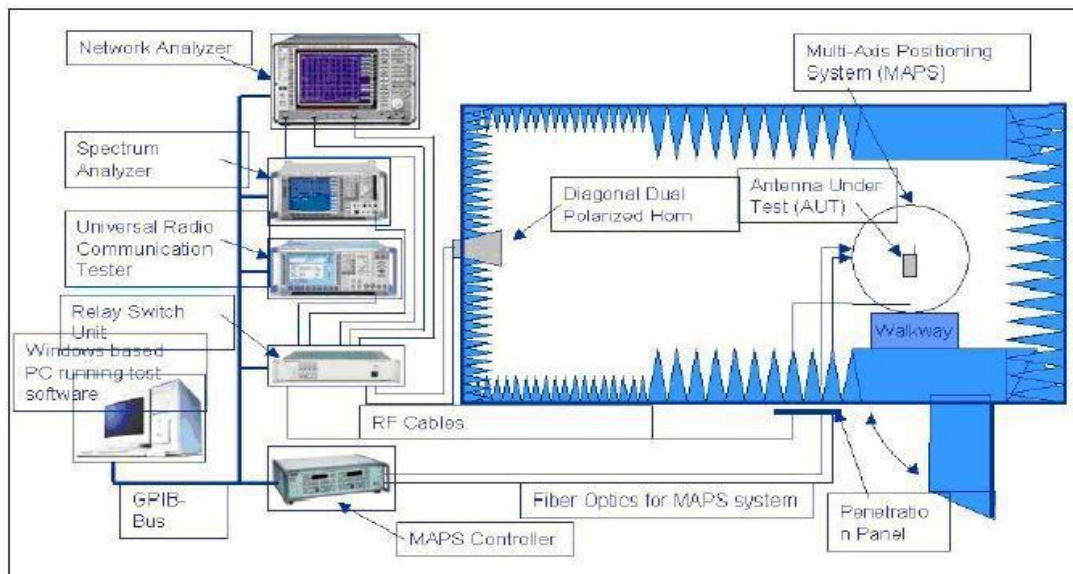
2. Test equipment



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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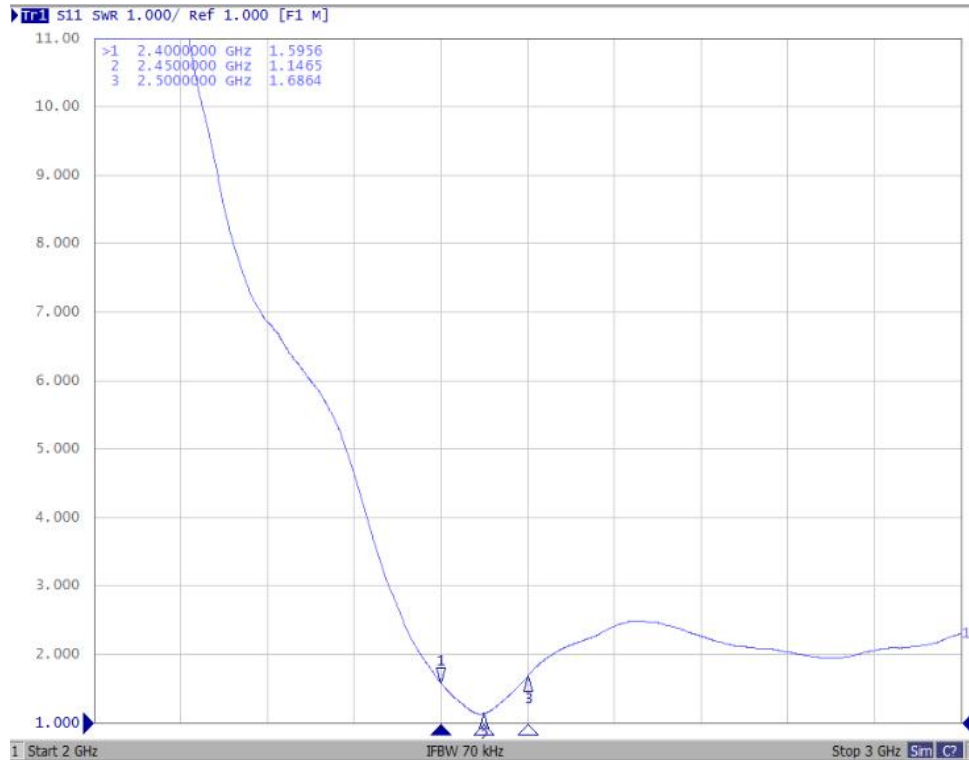
Rev: R:A0

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2-1 VSWR



2-2 Passive Test

Frequency (MHZ)	Efficiency	Efficiency . dB	Gain . dBi
2400	68%	-1.67	2.57
2410	69%	-1.61	2.63
2420	70%	-1.53	2.74
2430	71%	-1.48	2.79
2440	70%	-1.54	2.71
2450	70%	-1.57	2.63
2460	69%	-1.61	2.53
2470	71%	-1.52	2.57
2480	71%	-1.51	2.53
2490	70%	-1.53	2.52
2500	70%	-1.58	2.46

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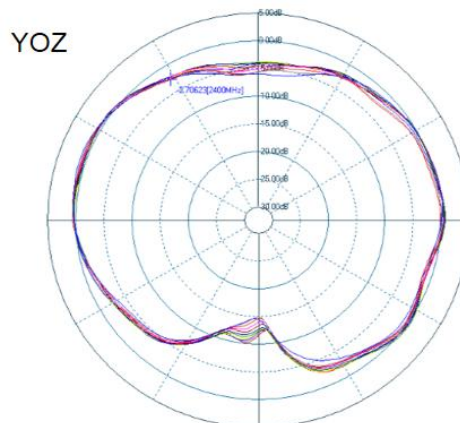
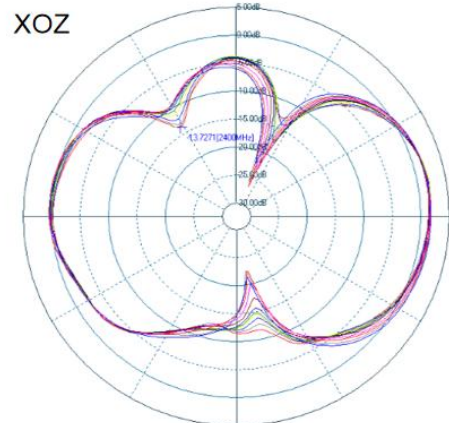
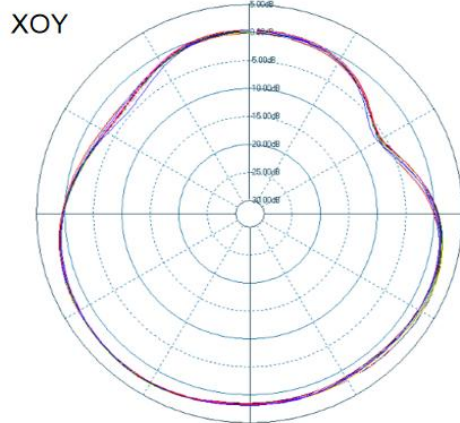
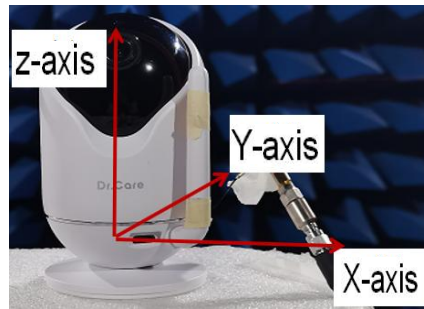
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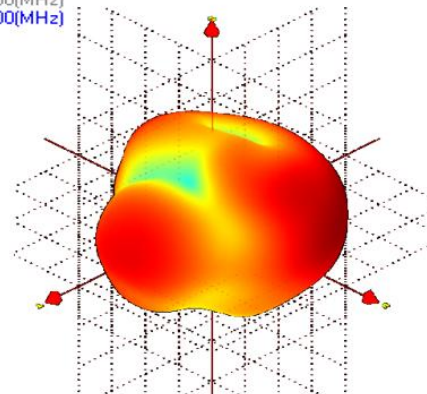
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2-3 2D/3D Radiation Pattern Results



Legend

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



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2-4 Isolation

WiFi shrapnel antenna & copper tube 2.4G antenna

