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

Date: October 30,2024

承　　認　　書

（APPROVAL AHEET）

ROHS □　　REACH □　　CP65 □　　HF □

品　　名　：

PART NAME　：　MC-BM01

规　　格　：

SPECIFICATION：　2.4G external antenna

承　認　章	APPROVEDBY
深圳市中天迅通信技术股份有限公司 2024.10.30 研发专用章	Ke Youjie, Liu Cuilin

SPECIFICATION

SHEET FOR APPROVAL

（Revision：R：A0）

	CUSTOMER	jiasong	
	CS P/N	MC-BM01	
	PART NAME	2.4G external antenna	
	FREQUENCY	2400~2500MHz	
	ZTX NO.	1.22.00710	
	DATE	2024-10-30	

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
		Youjie.Ke	Cuilin.Liu	

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Revision history

edition	date	state
A0	2024-10-30	first edition

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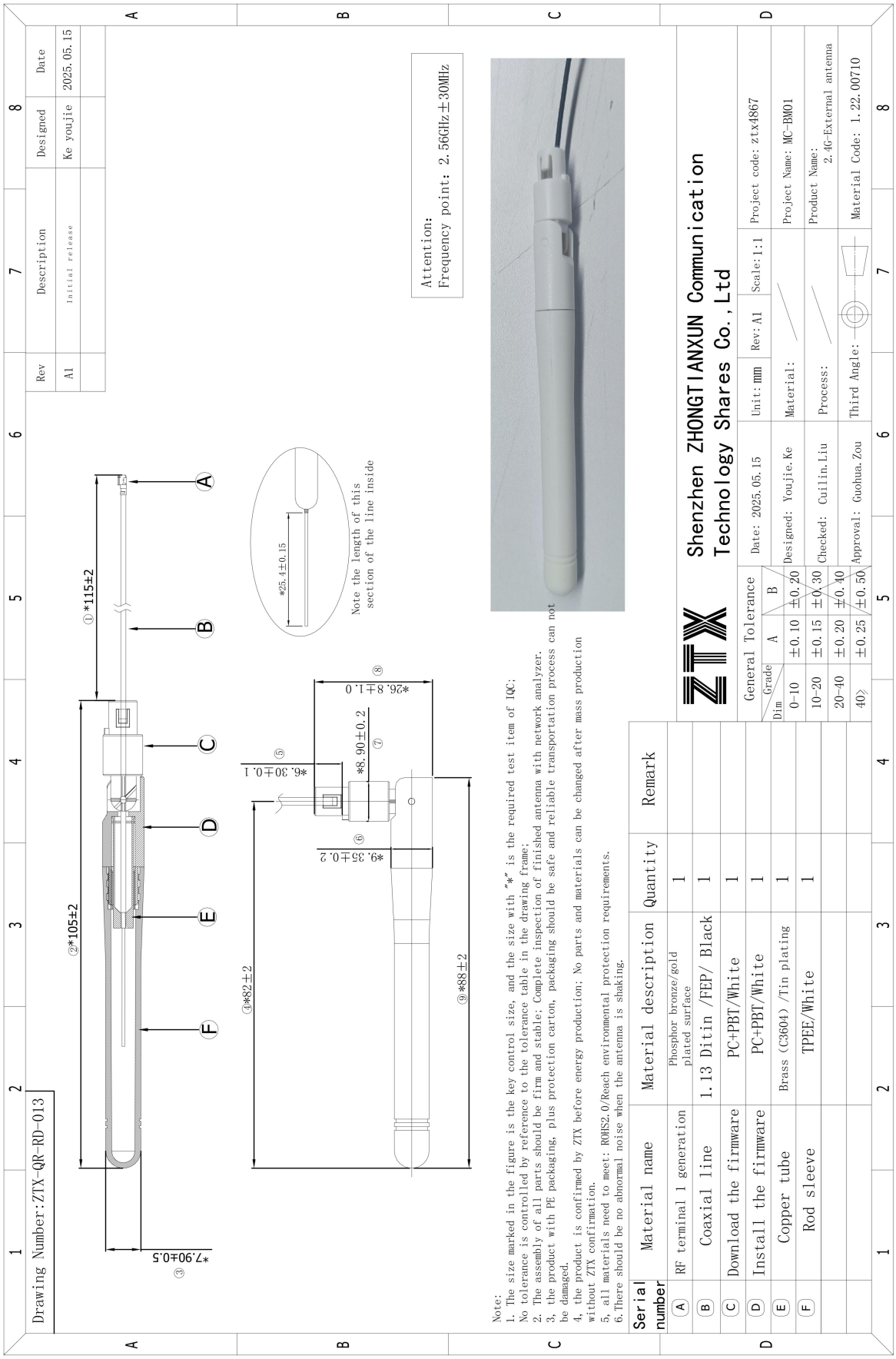
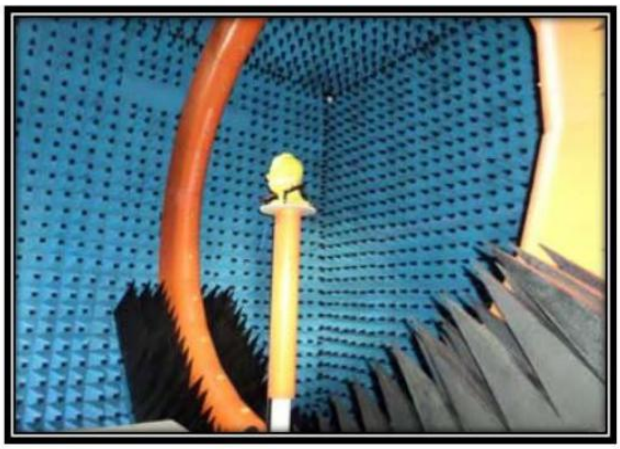
1.Mechanical Specification

1-1 Mechanical Configuration（2.4G external antenna）



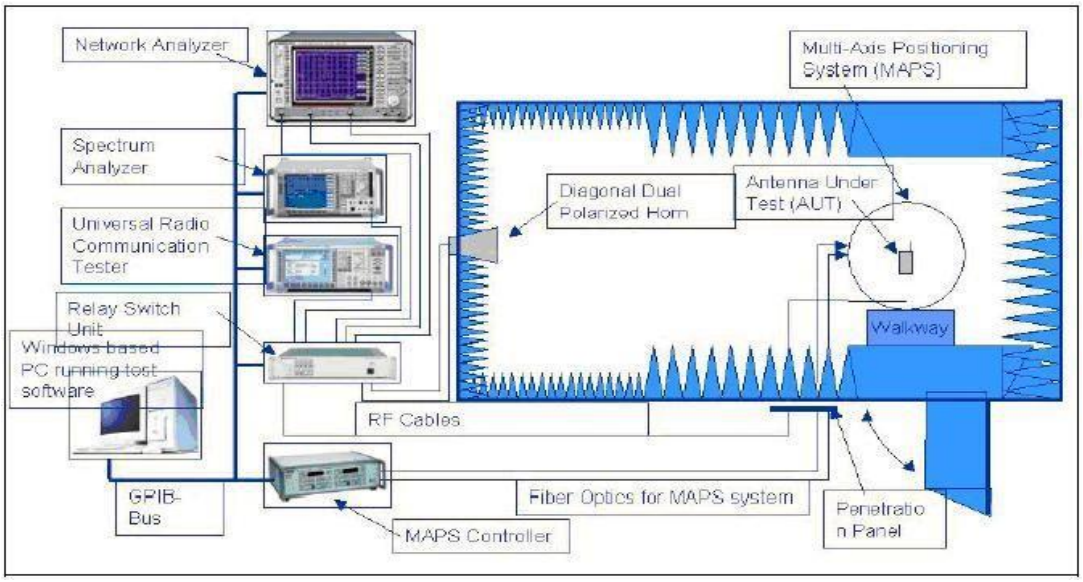
2.Test equipment



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.

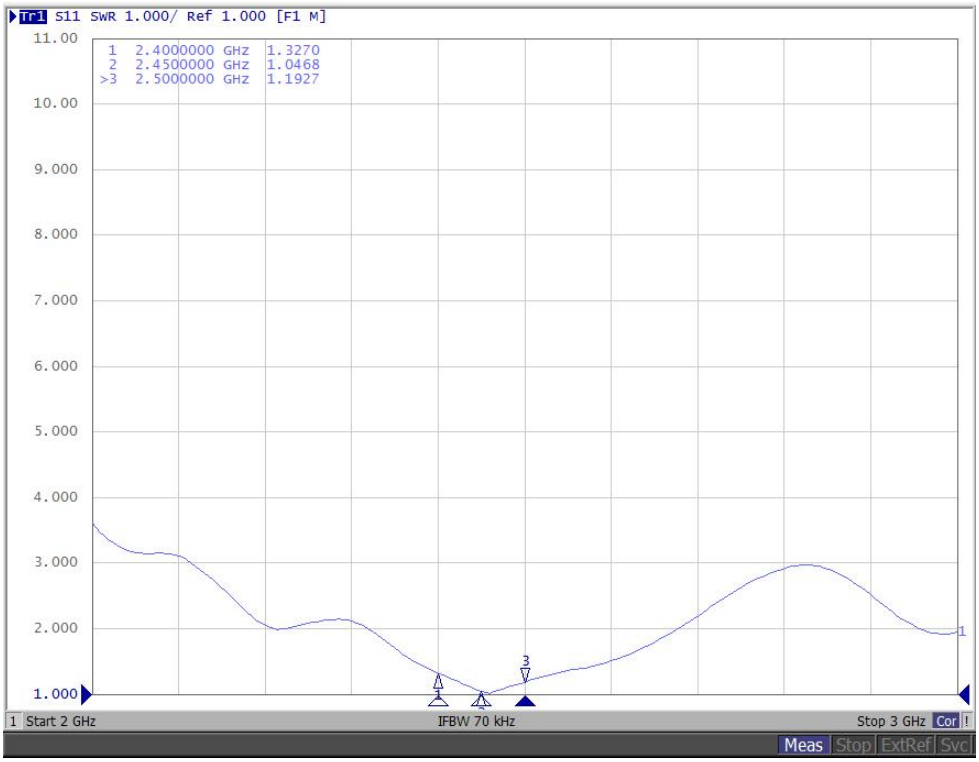
Testing range:

Support active, passive testing of GSM/CDMA/WCDMA/TD-SCDMA/LTE/WIFI/WLAN/WiMax/BT /GPS/MIMO/UWB within0.4-6G.

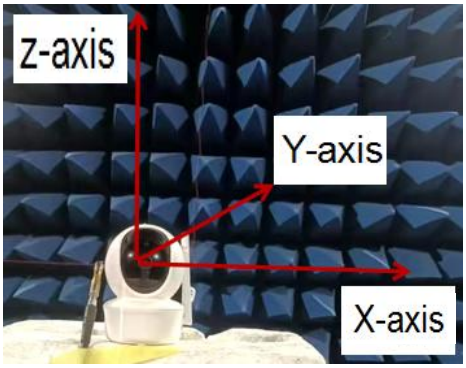
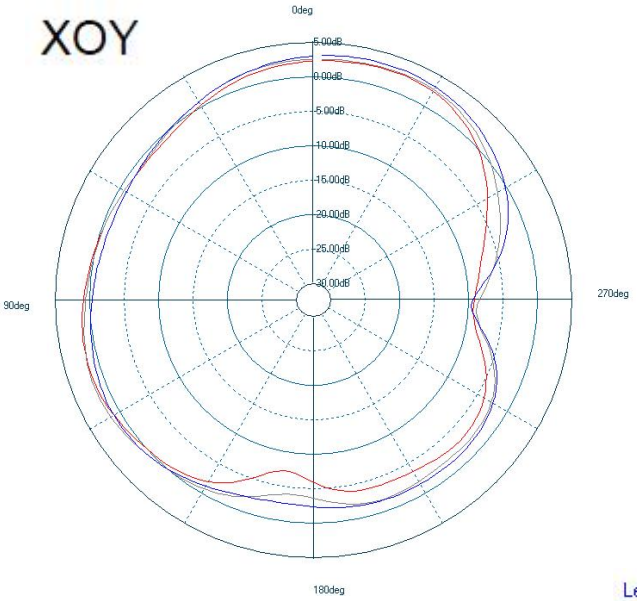
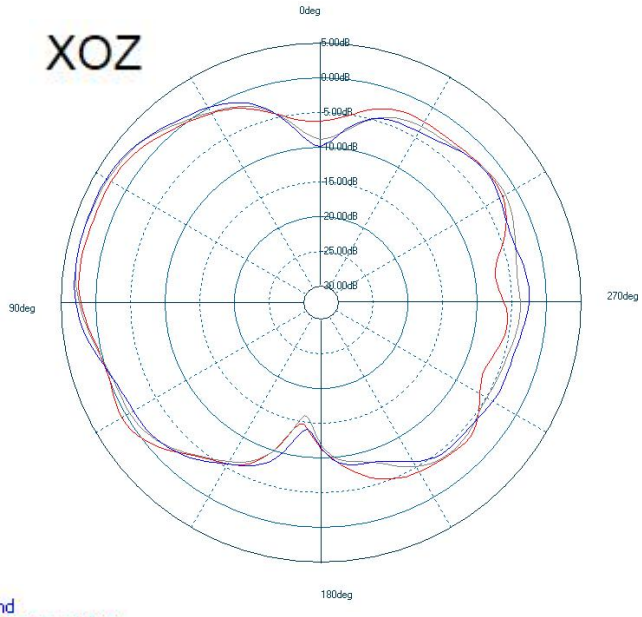
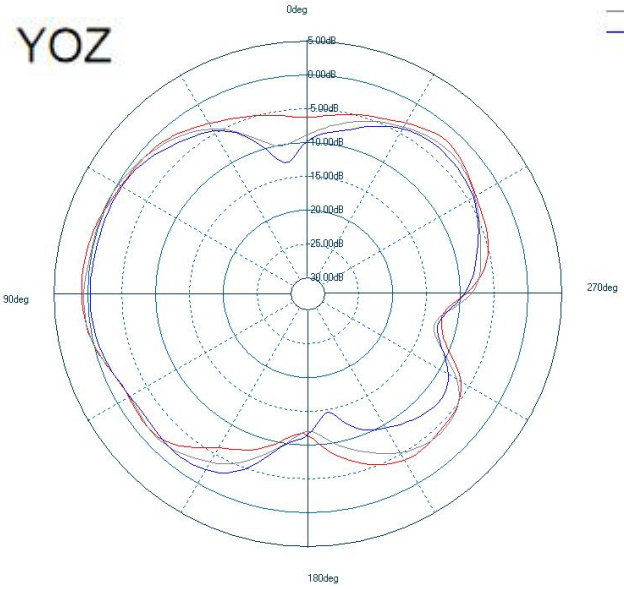
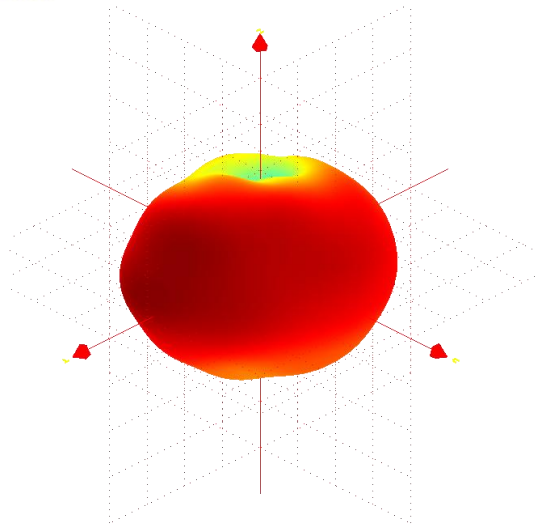


3.Test Results Surmmary

3-1 VSWR



3-2 Passive Test

Frequency (MHz)	Efficiency	Efficiency . dB	Gain . dB
2400	70%	-1.53	3.70
2410	70%	-1.56	3.81
2420	71%	-1.47	3.85
2430	73%	-1.34	4.06
2440	73%	-1.35	4.02
2450	72%	-1.43	3.95
2460	72%	-1.46	3.81
2470	72%	-1.41	4.10
2480	72%	-1.43	4.08
2490	71%	-1.47	4.05
2500	71%	-1.48	4.12

3-3 2D/3D Radiation Pattern Results