

ANTENNA SPECIFICATION

CUS P/N:WTD1pro_WIFI0 Antenna components
ZTX P/N :WTD1pro_WIFI0 Antenna components

Application Date:Jul,10,2024
Editor:

Rev: R:A0
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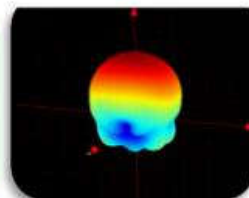
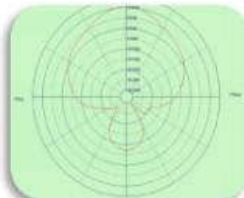
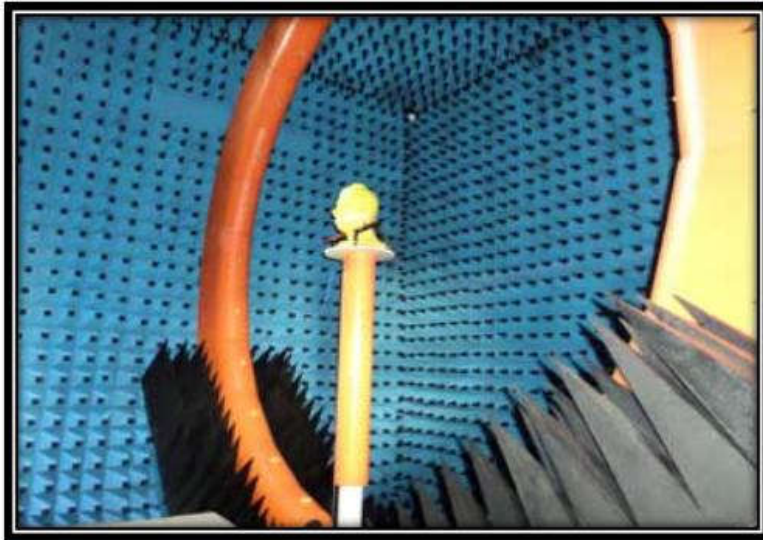
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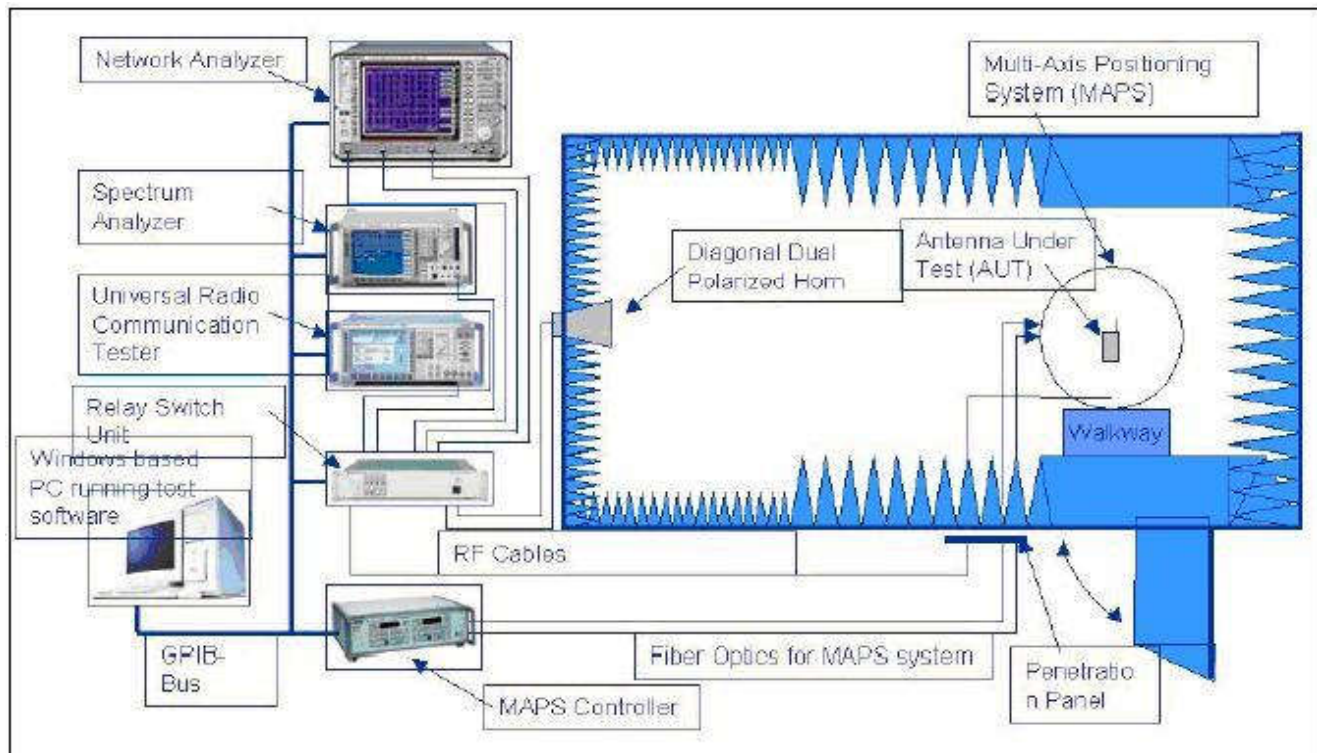
2. Test Equipment & Conditions



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 CITA 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 Active Test

B	channel	TRP	TIS
	1	17.54	-80.59
	7	18.27	-81.54
	13	17.55	-81.26

A	channel	TIS	TIS
	36	15.68	-71.32
	149	15.48	-71.88
	165	16.13	-71.28

2-2 Passive Test

Frequency	Efficiency	Efficiency . dB	Gain . dB	5150	45%	-3.47	2.58
2400	55%	-2.60	2.49	5200	44%	-3.58	3.42
2410	54%	-2.68	2.13	5250	46%	-3.37	2.45
2420	53%	-2.76	2.17	5300	45%	-3.47	3.19
2430	54%	-2.68	2.25	5350	45%	-3.47	3.36
2440	56%	-2.52	2.98	5400	44%	-3.57	3.58
2450	52%	-2.88	2.87	5450	44%	-3.52	2.21
2460	54%	-2.68	2.70	5500	45%	-3.45	2.65
2470	54%	-2.68	2.76	5550	45%	-3.49	3.05
2480	55%	-2.60	2.51	5600	46%	-3.37	3.19
2490	55%	-2.60	2.59	5650	45%	-3.47	2.97
2500	53%	-2.76	2.61	5700	44%	-3.57	3.68
				5750	44%	-3.57	3.35
				5800	45%	-3.47	2.51
				5850	45%	-3.47	3.24



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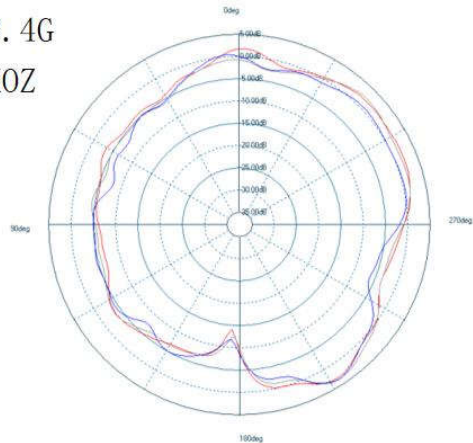
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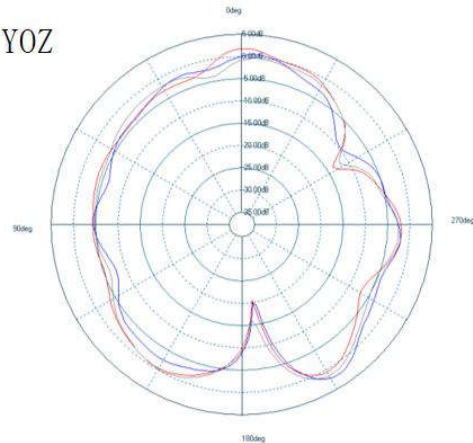
2-3 2D/3D Radiation Pattern Results

2. 4G

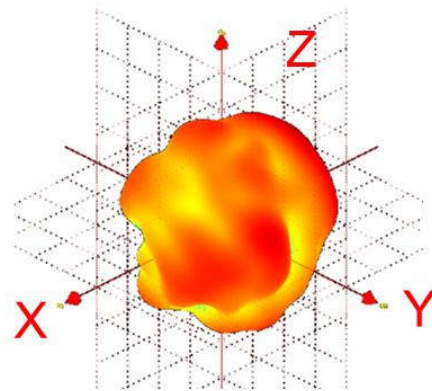
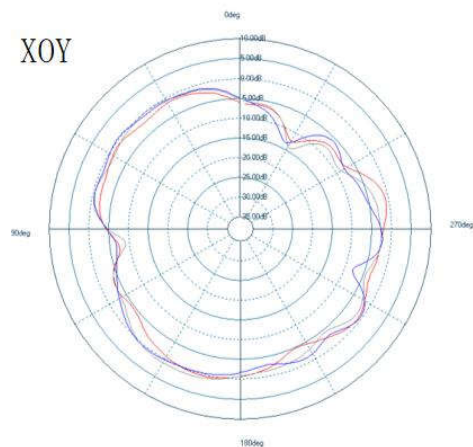
XOZ



YOZ

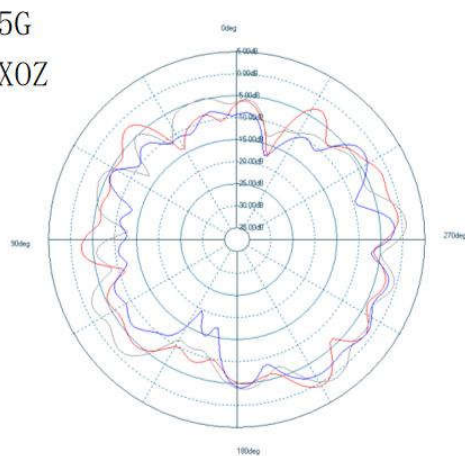


XOY

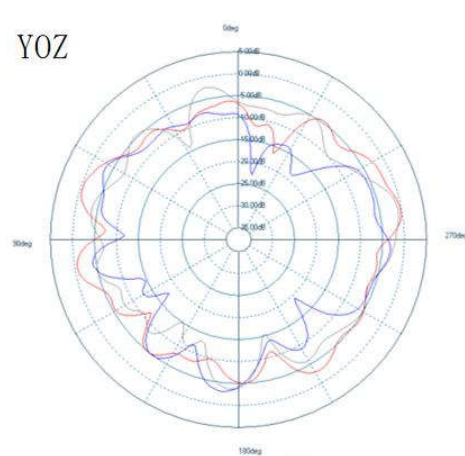


5G

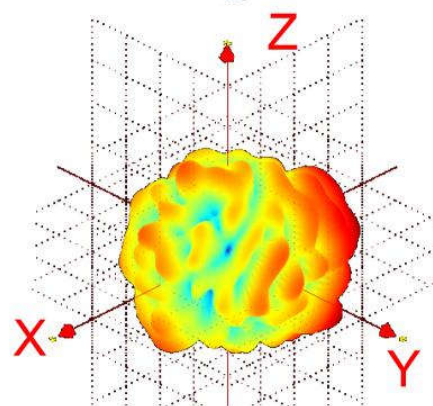
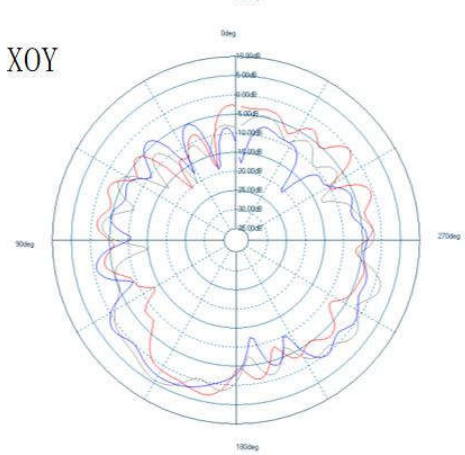
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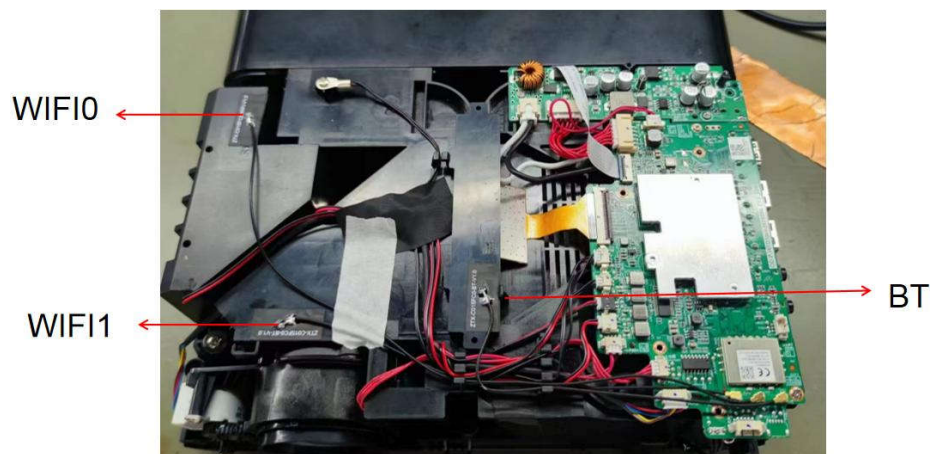
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2-4 Environmental treatment



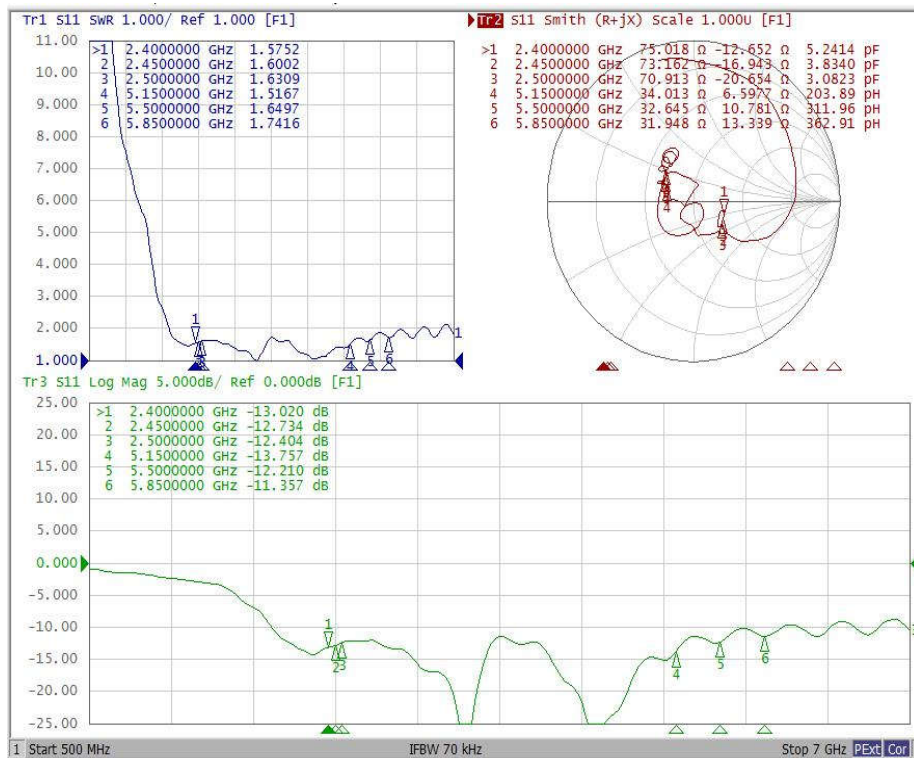
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4.S11



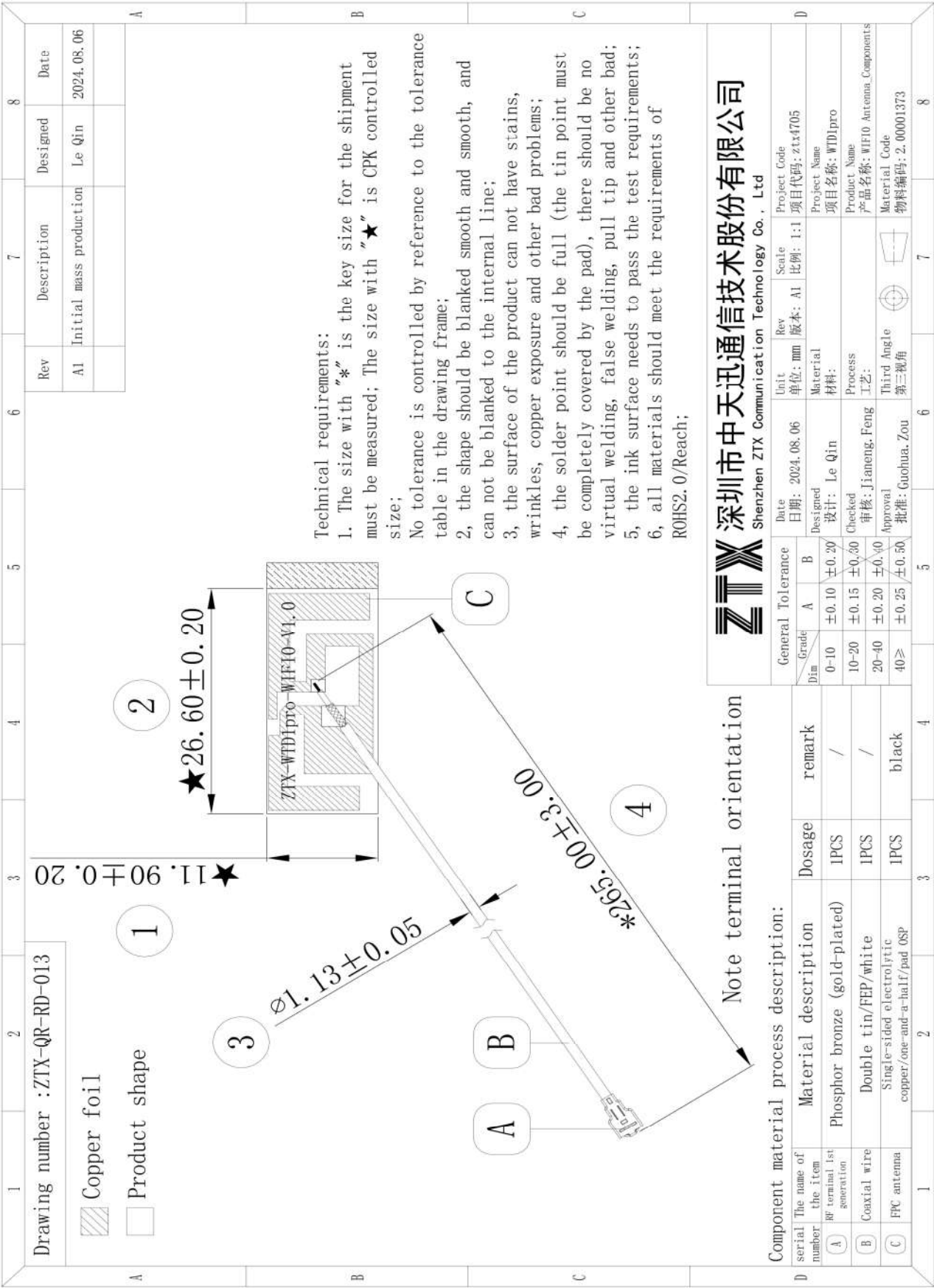
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5.Drawing



Shenzhen ZTX Communication Technology Co., Ltd

深圳市中天迅通信技术股份有限公司

Component material process description:

Material description

Dosage

remark

Phosphor bronze (gold-plated)

1PCS

/

Double tin/FEP/white

1PCS

/

Single-sided electrolytic copper/one-and-a-half/pad OSP

1PCS

black

Note terminal orientation

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Certification of Restricted substance

we hereby certify that all the Material fully conform to the requirements of the ShiYuan/or its affiliated companies Declaration of conformity that had been signed , and the maximum concentration value of restricted substance in Materials comply with the latest 《Regulations on the management of hazardous substances》 .

