

ANTENNA SPECIFICATION

Document revision resume form				
edition	edition	Develop / modify / repeal the content	prepared by	checked
A0	2024-07-10	The first edition	Le. Qin	Jianeng. Feng

ANTENNA SPECIFICATION

CUS P/N:WTD1pro_ WIFI1 Antenna components
ZTX P/N :WTD1pro_ WIFI1 Antenna components

Application Date:Jul,10,2024
Editor:

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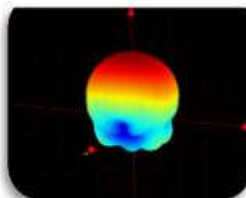
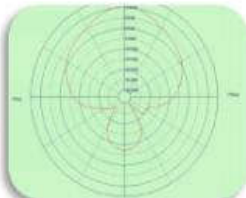
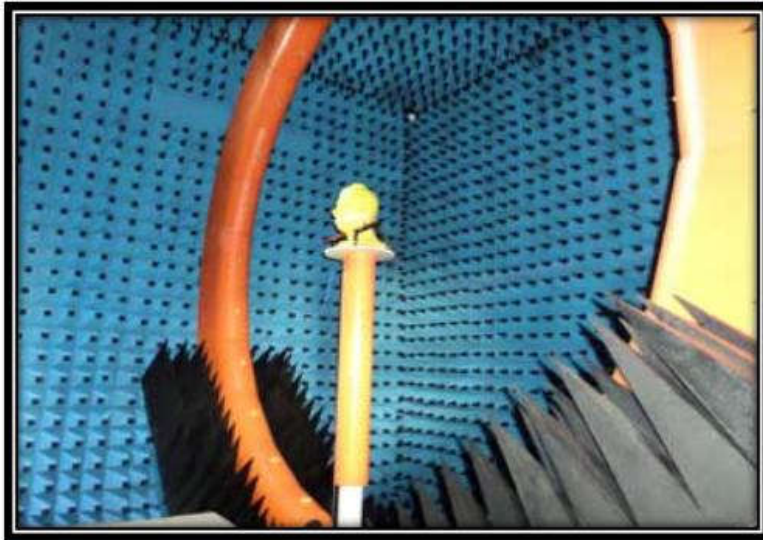
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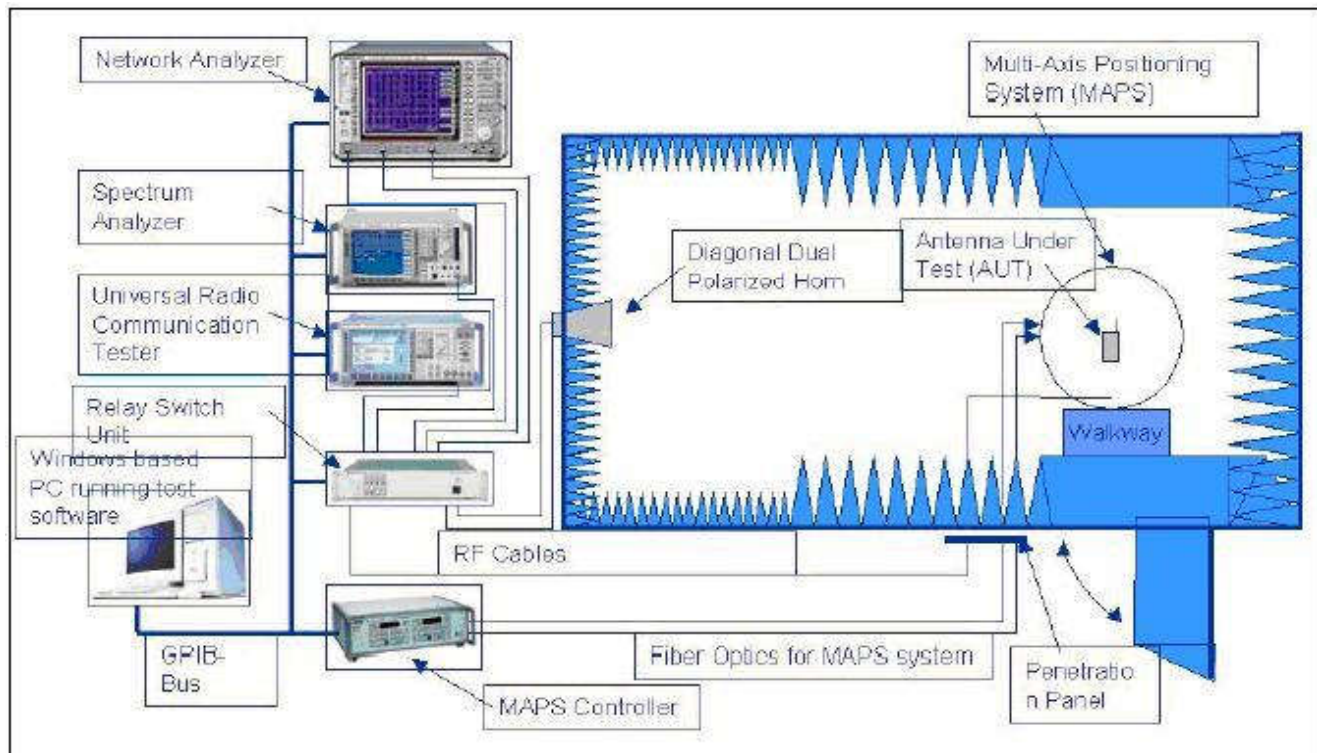
2. Test Equipment & Conditions



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	44%	-3.57	4.01
2400	54%	-2.68	2.15	5200	45%	-3.47	3.93
2410	52%	-2.84	2.17	5250	47%	-3.28	2.97
2420	53%	-2.76	2.37	5300	45%	-3.47	3.24
2430	54%	-2.68	2.54	5350	45%	-3.47	3.47
2440	55%	-2.60	2.50	5400	47%	-3.28	2.68
2450	52%	-2.84	2.38	5450	46%	-3.37	3.47
2460	52%	-2.84	2.47	5500	47%	-3.28	4.03
2470	53%	-2.76	2.57	5550	45%	-3.47	3.37
2480	54%	-2.68	2.54	5600	46%	-3.37	3.54
2490	55%	-2.60	2.33	5650	43%	-3.67	3.48
2500	54%	-2.68	3.14	5700	47%	-3.28	3.01
				5750	46%	-3.37	2.81
				5800	45%	-3.47	3.22
				5850	46%	-3.37	3.29



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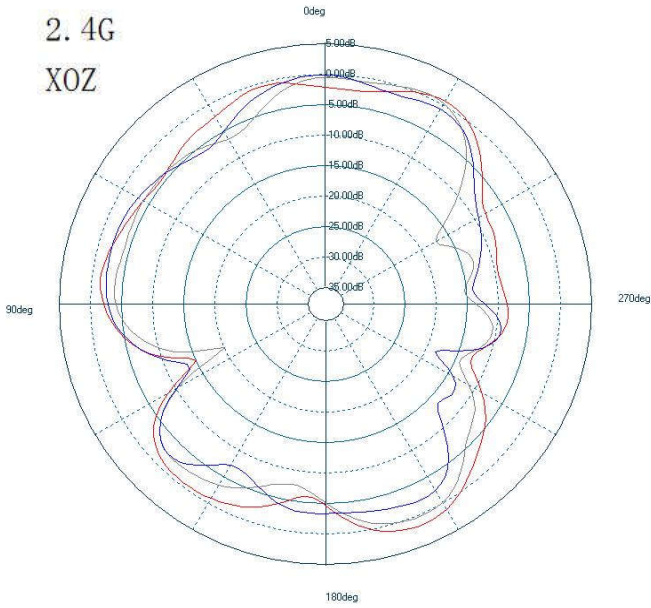
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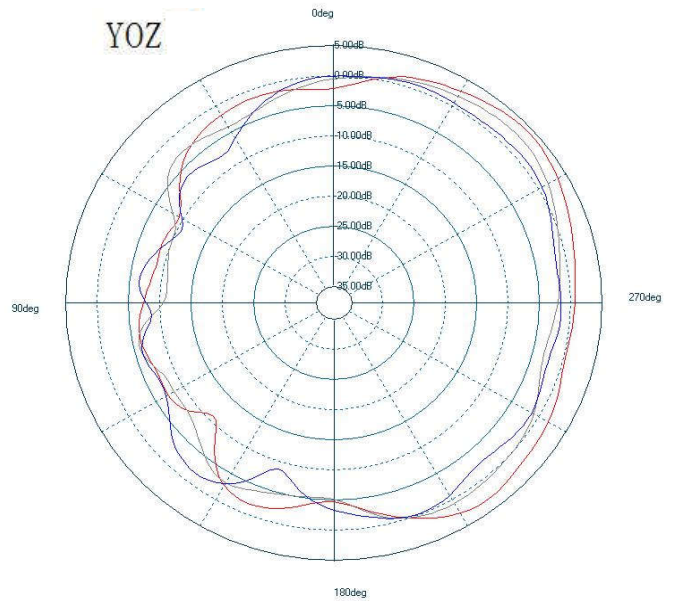
2-3 2D/3D Radiation Pattern Results

2. 4G

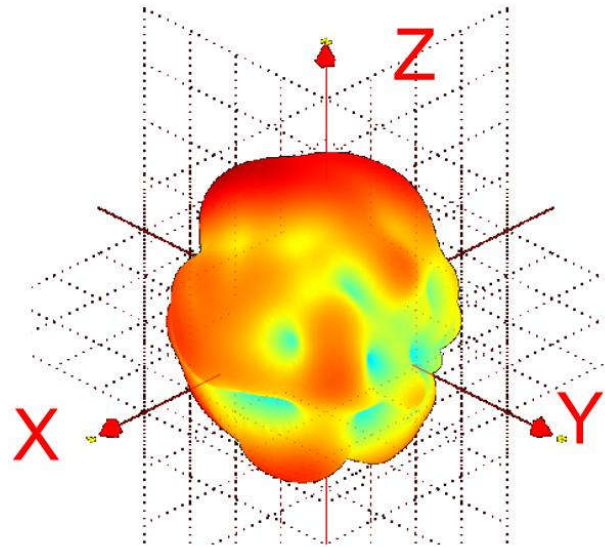
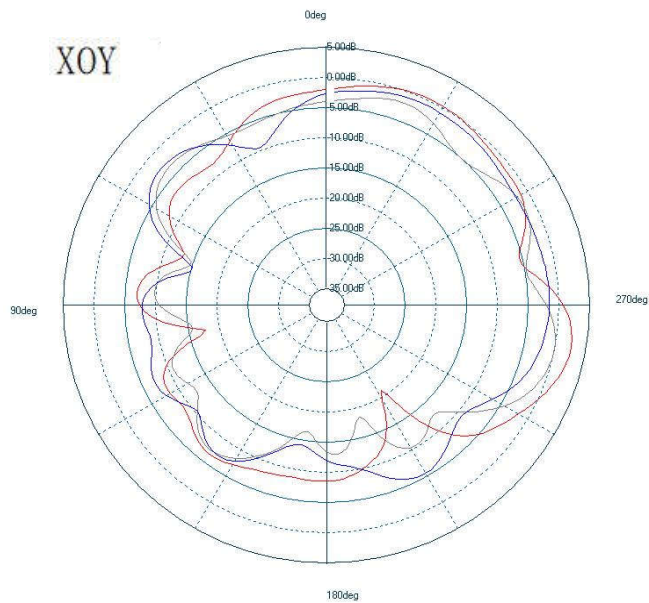
XOZ



YOZ



XOY

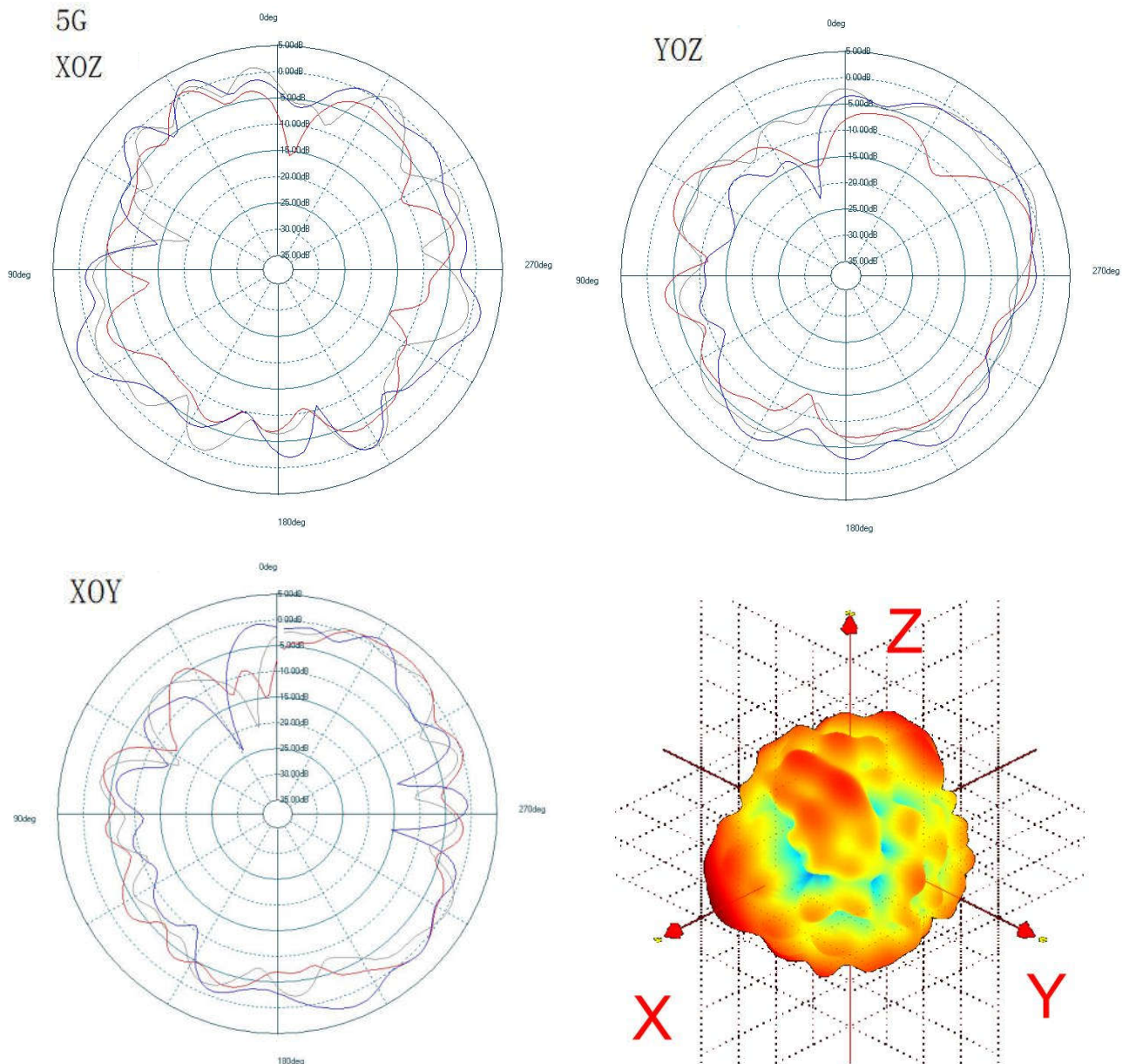


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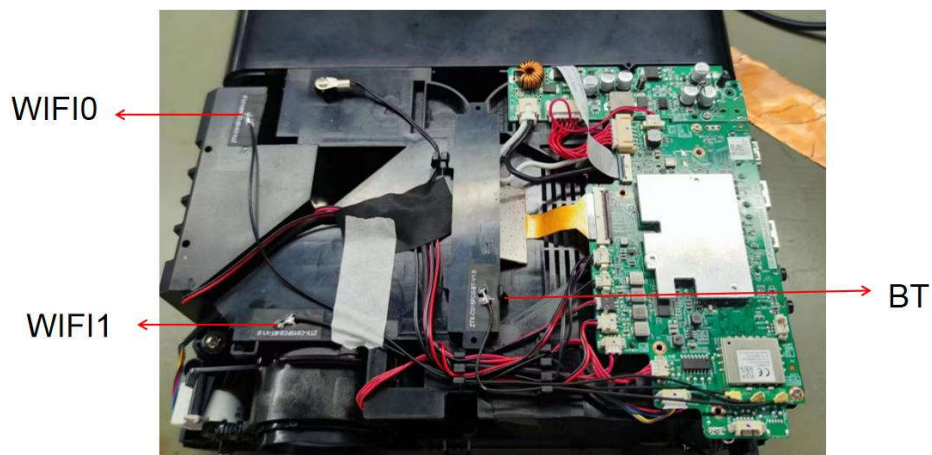
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2-4 Environmental treatment



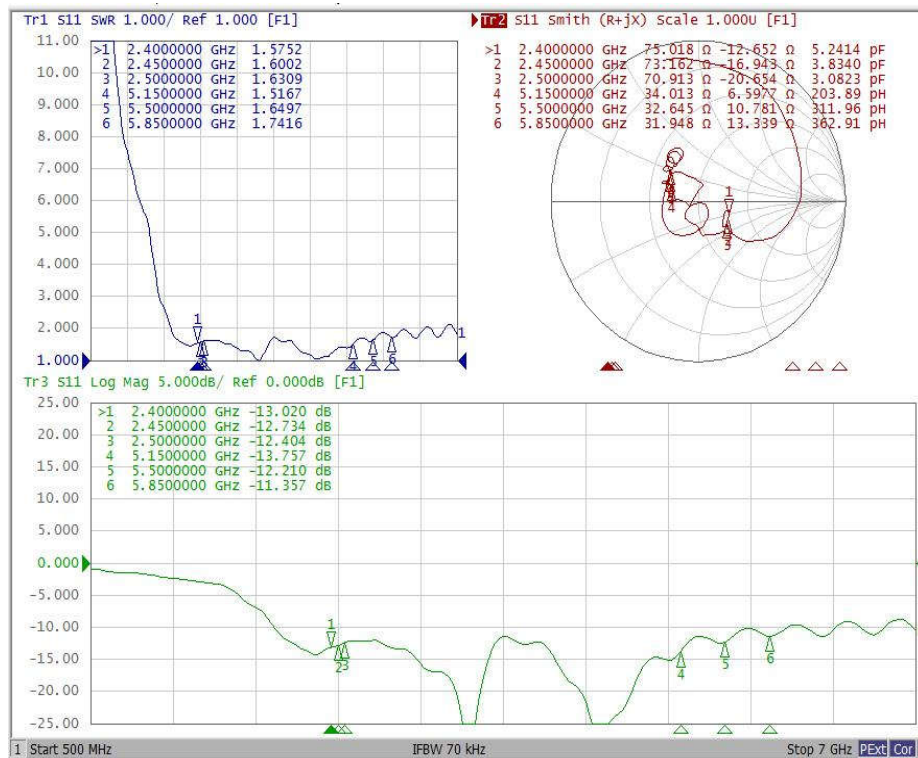
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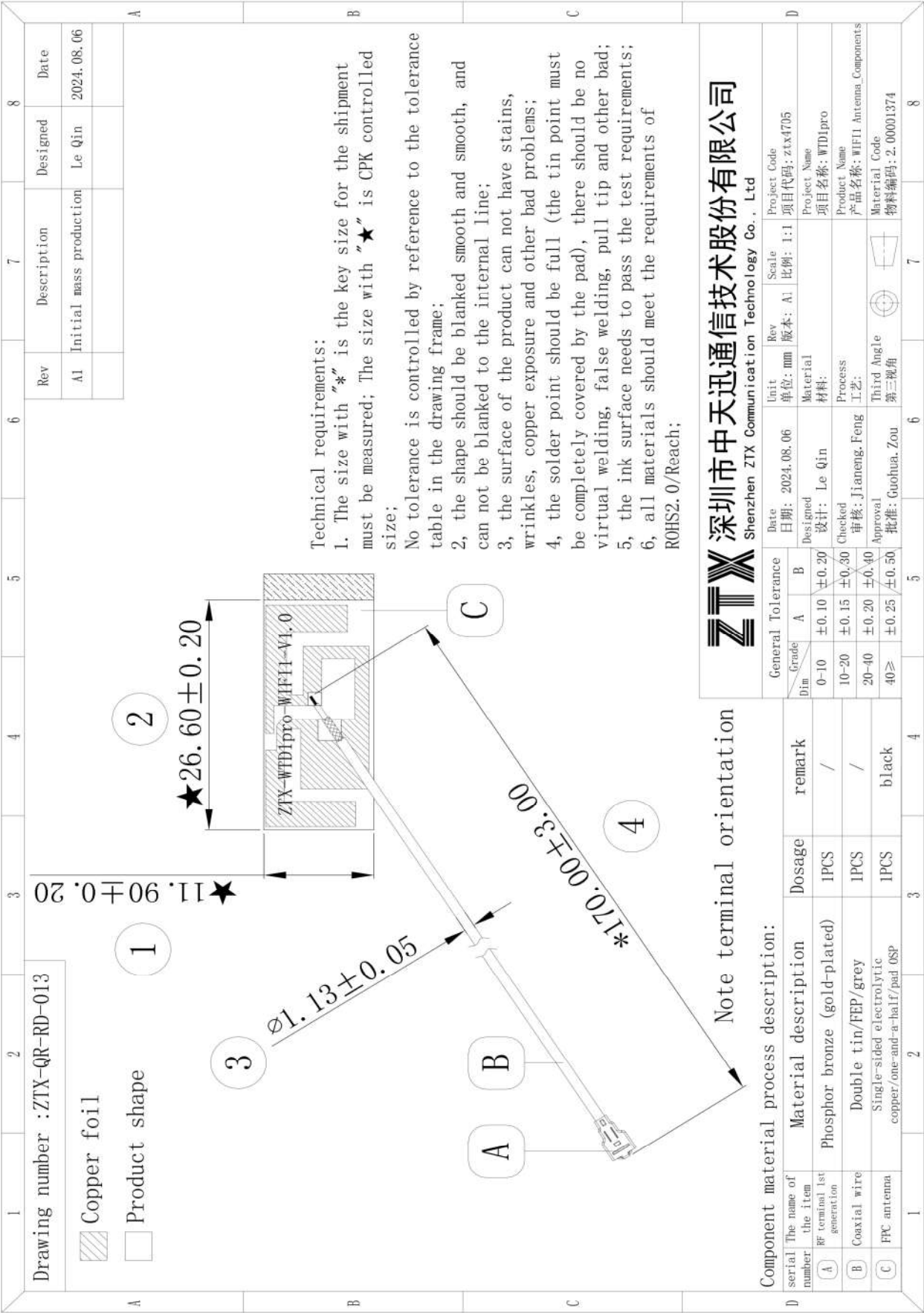
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4.S11



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5.Drawing



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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》 .

