

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

CUSTOMER(客户名称)	Neo Chinontec Co., Ltd.
CS P/N(客户机种)	K300 (谱程)
PART NAME(品名)	WIFI antenna components
FREQUENCY(频率)	2400~2500MHz/5150~5850MHz
CUS NO.(物料编号)	
ZTX NO.(物料编号)	2.00001397
DATE(日期)	2024/11/29

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Remark(备注):

Sign(客户确认签字盖章):

Shenzhen ZTX Communication Technology Co., Ltd				
MANAGER CHECKED	MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER
		Le. qin	Jianeng. Feng	



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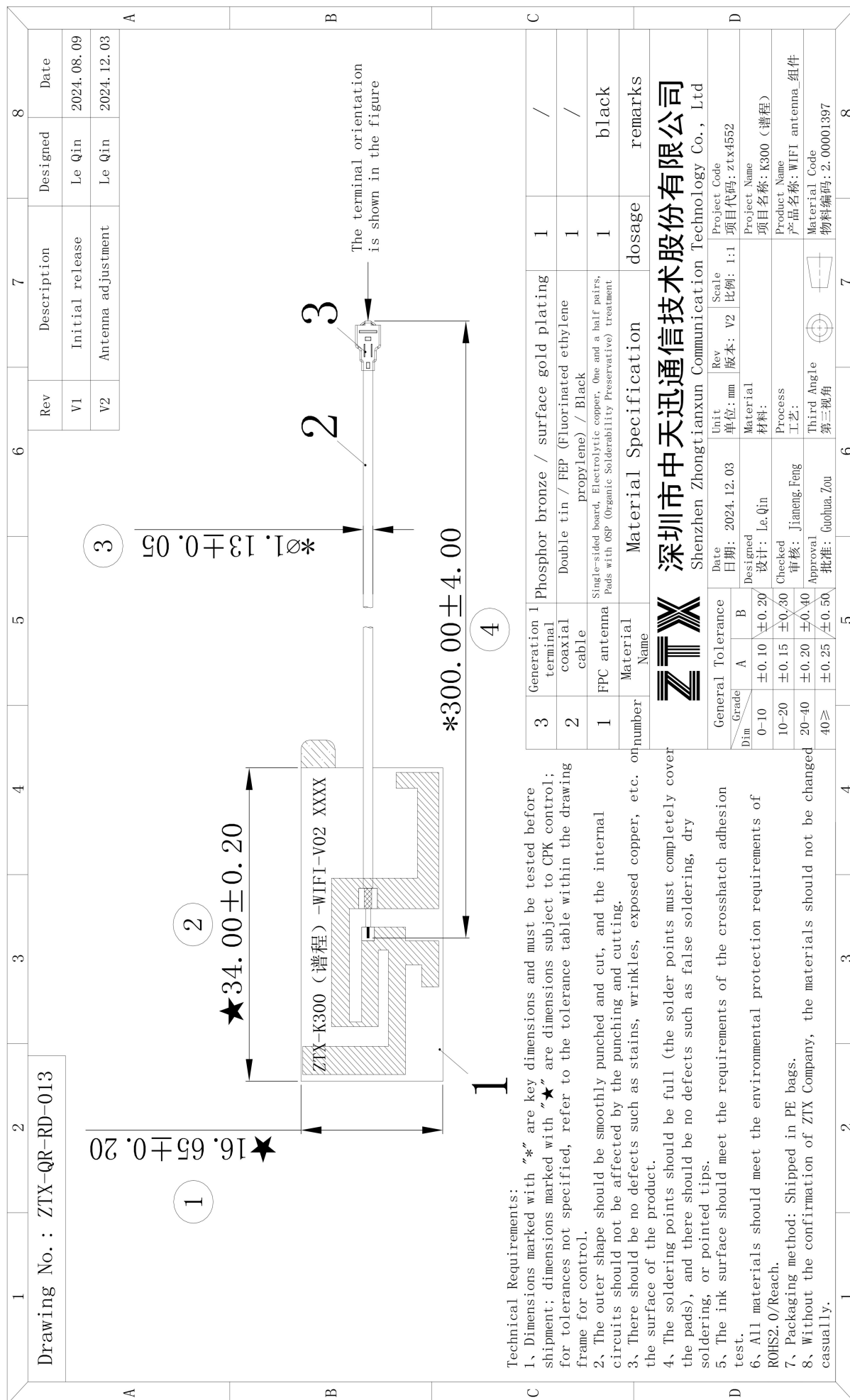
<http://www.chinaztx.com>

修订履历 REVISION HISTORY

[illegible]

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1. Antenna Specification/天线标准

Antenna Specification/天线技术参数

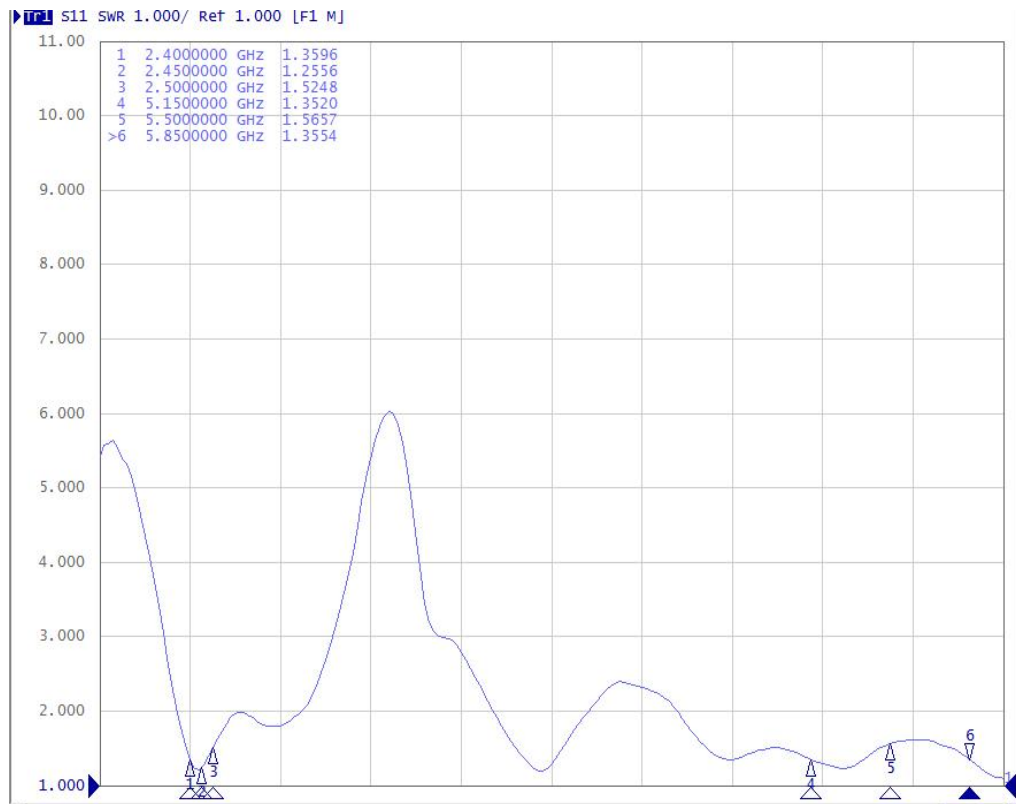
Electrical Specification/电气特性		
Item/目录	Specification/规格	Comment/备注
Freq.Range/频段范围	2400MHz-2500/5150~5850MHz	
Impedance/阻抗	50(Ω)	
Directional/辐射方向	Omni Directional	
Polarization/极化形式	Vertical	
VSWR/驻波比	≤2	
Peak Gain/峰值增益	4.23dBi	
Antenna Efficiency/天线效率	2400MHz-2500MHz≥50%、5150MHz-5850MHz≥40%	
Test Condition/测试条件	Passive test(无源测试)	
Mechanical Specification/机械指标		
Antenna Type/天线类型	内置天线	
Mating Connector Type/连接器类型	RF端子1代	
RF Cable Type/射频线型号	1.13 BLACK	
Size/外形尺寸	300*34*16.5mm	
Mounting/固定类型	背胶	
Pull Test/拉拔力	10N MIN	
Salt Spray/盐雾测试	48(H)	
Environmental Specification/环境指标		
Operating temp/工作温度	-40℃~+80℃	
Storage temp/存储温度	-40℃~+80℃	

要求 Requirement:

1.无源性能：电压驻波比、回波损耗、天线效率、增益、1D方向图、3D方向图 Passive performance: VSWR,Return Loss,Antenna Efficiency,Gain,1D Radiation Pattern and 3D Radiation Pattern

2.有源性能：OTA性能（全向辐射功率、全向灵敏度）、WIFI吞吐量 Active performance: OTA performance (Total Radiated Power, Total isotropic Sensitivity), Throughput

5.1 VSWR



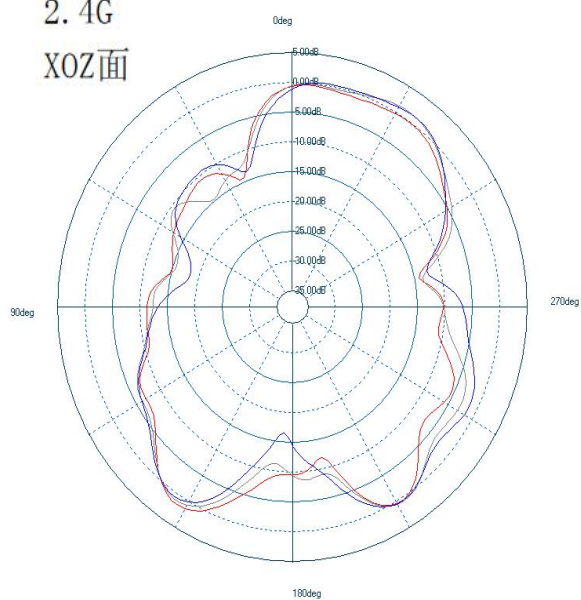
5.2 No-source test data

Frequency	Efficiency	Efficiency . dB	Gain . dB	5150	43%	-3.67	3.70
2400	50%	-3.01	2.90	5200	43%	-3.67	3.45
2410	54%	-2.68	2.96	5250	42%	-3.77	3.22
2420	53%	-2.76	2.55	5300	43%	-3.67	3.71
2430	54%	-2.68	2.40	5350	45%	-3.47	3.68
2440	55%	-2.60	2.48	5400	42%	-3.77	3.34
2450	53%	-2.76	2.27	5450	41%	-3.84	3.69
2460	56%	-2.52	2.96	5500	45%	-3.47	4.20
2470	53%	-2.76	2.69	5550	45%	-3.47	4.23
2480	55%	-2.60	2.59	5600	42%	-3.77	4.08
2490	52%	-2.84	2.33	5650	43%	-3.68	4.23
2500	50%	-3.01	2.25	5700	41%	-3.87	3.78
				5750	44%	-3.57	3.74
				5800	44%	-3.57	4.12
				5850	43%	-3.67	3.55

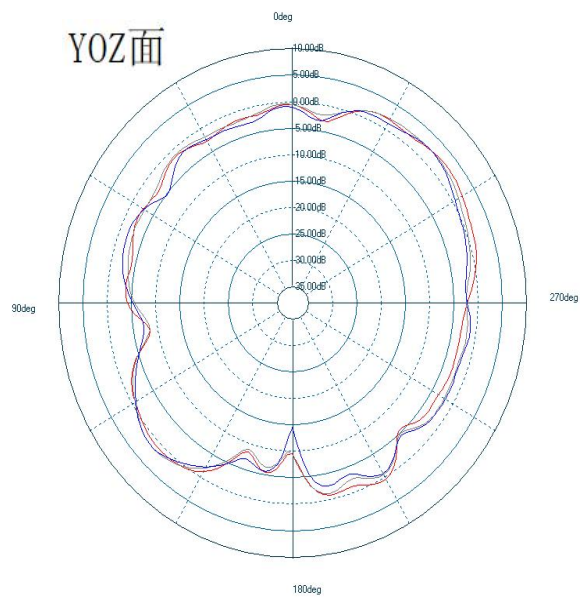
5.3 2D/3D Radiation Pattern Results

2. 4G

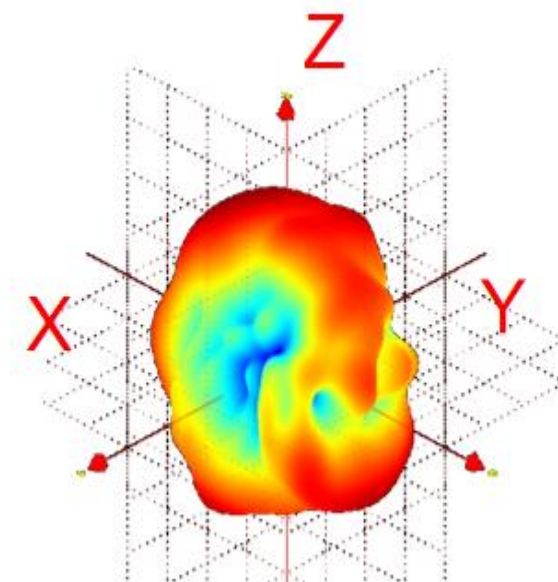
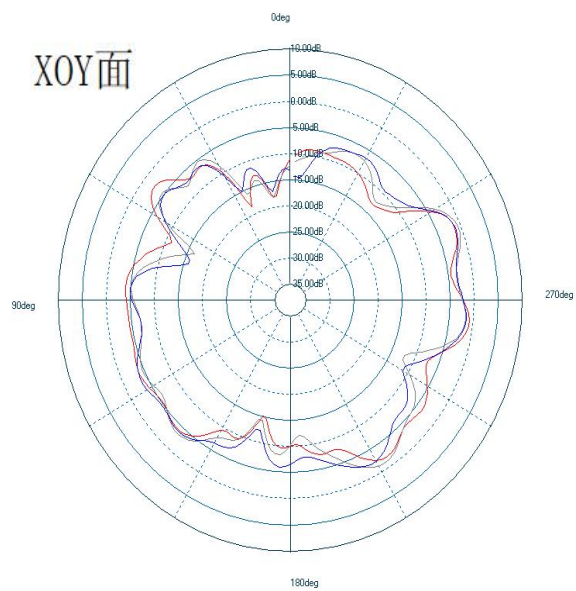
XOZ面



YOZ面

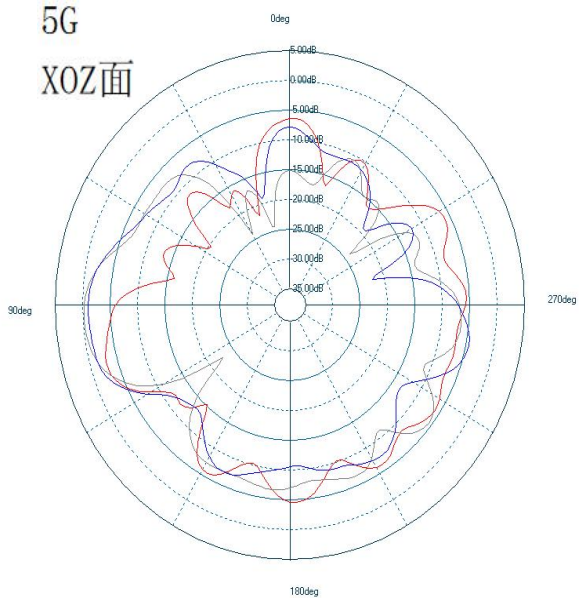


XOY面

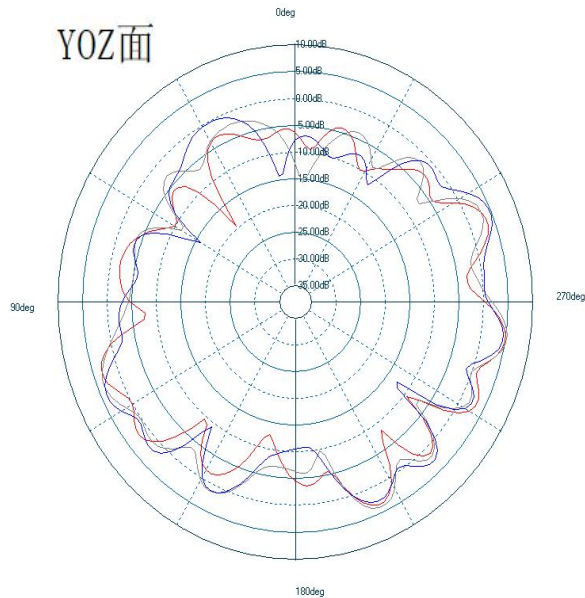


5G

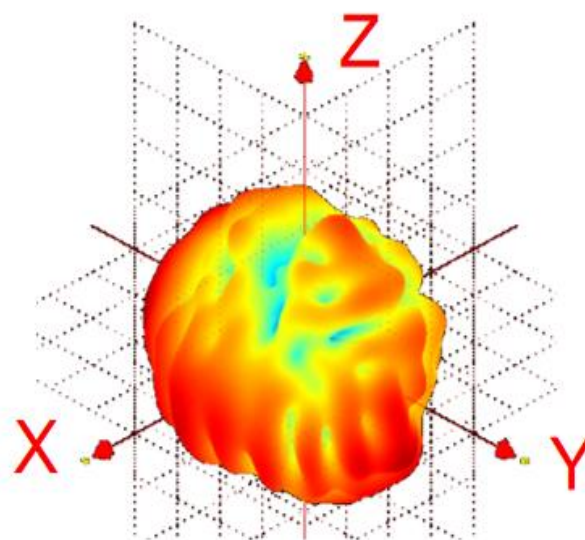
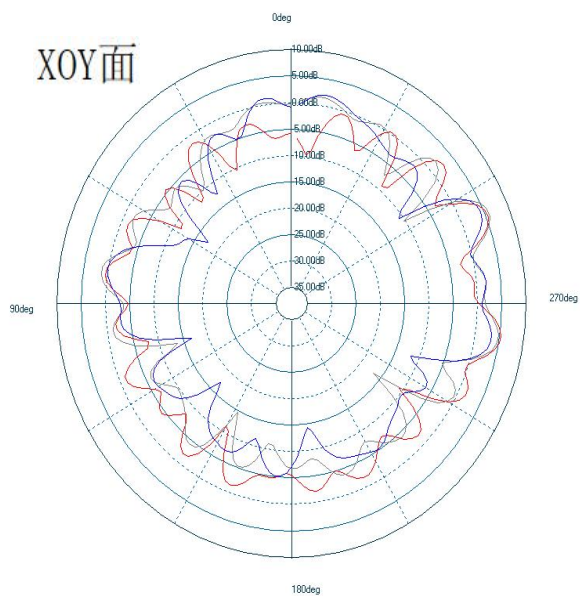
XOZ面



YOZ面



XOY面



5.4 Environmental treatment

