

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)	BT antenna components
FREQUENCY(频率)	2400~2500MHz
CUS NO.(物料编号)	
ZTX NO.(物料编号)	2.00001398
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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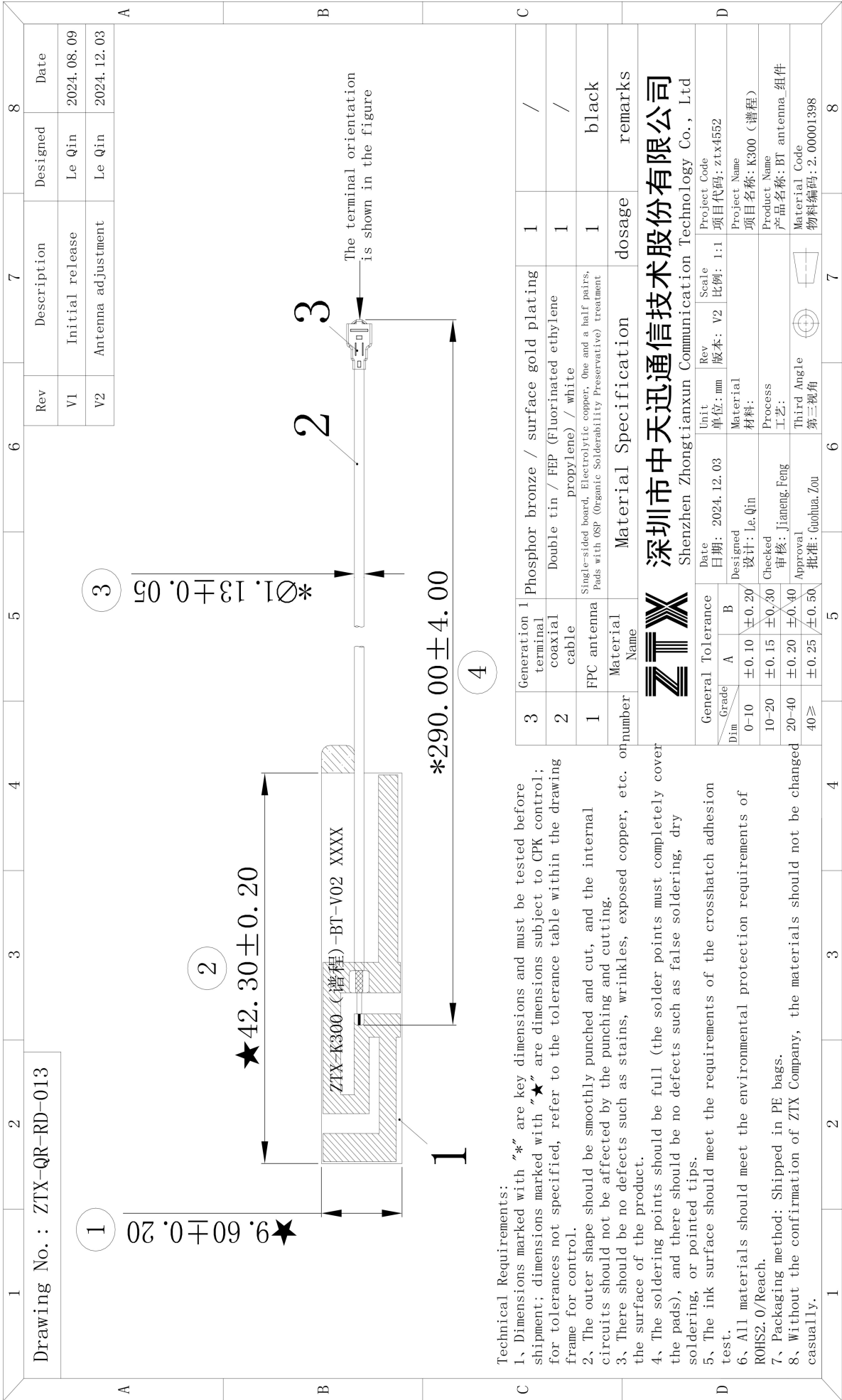
<http://www.chinaztx.com>

修订履历 REVISION HISTORY

[illegible]

目录
CONTENT

1. 封面.....	1
2. 修订履历/REVISION HISTORY.....	2
3. 目录/CONTENT.....	3
4. 工程图/ENGINEERING DRAWING.....	4
5. 天线规格说明书/ANTENNA PASSIVE/ACTIVE PERFORMANCE.....	5~7



1. Antenna Specification/天线标准

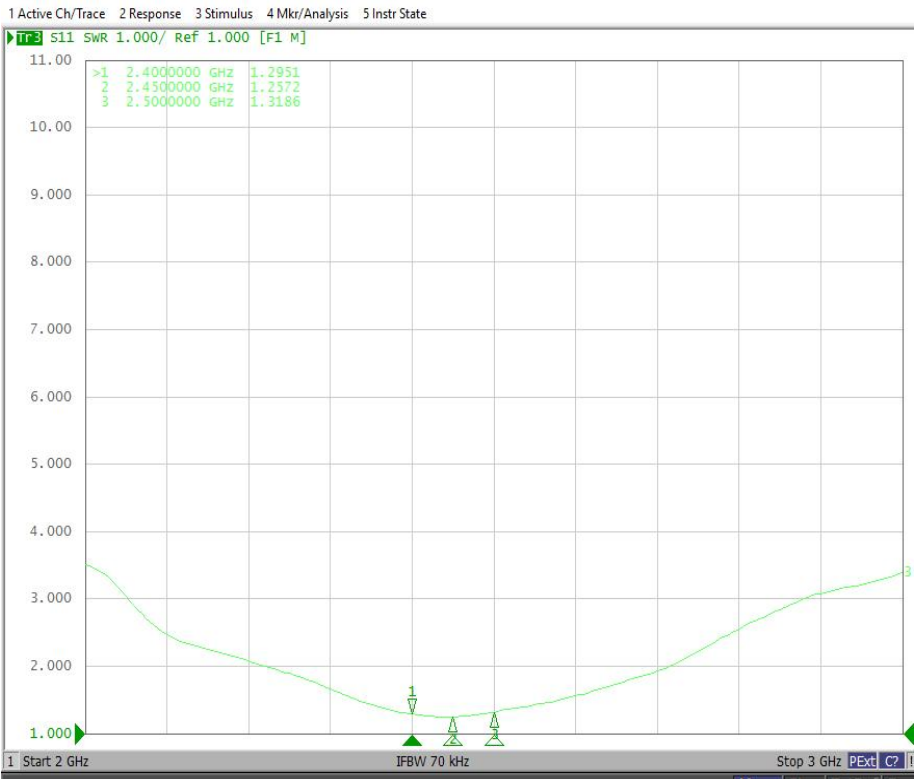
Antenna Specification/天线技术参数

Electrical Specification/电气特性		
Item/目录	Specification/规格	Comment/备注
Freq.Range/频段范围	2400MHz-2500MHz	
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	2.29dBi	
Antenna Efficiency/天线效率	2400MHz-2500MHz≥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 WHITE	
Size/外形尺寸	290*42.3*9.6mm	
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

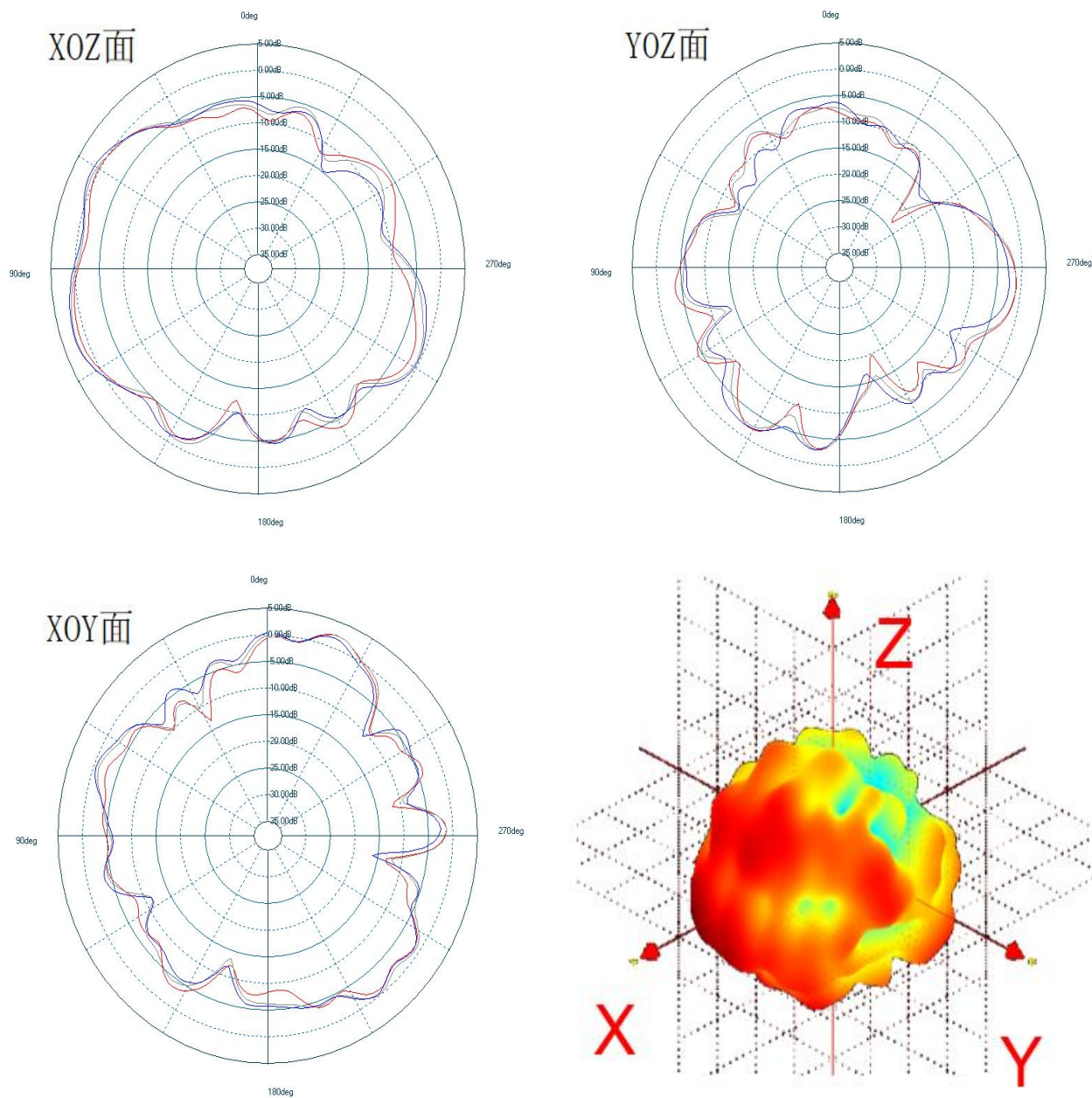
5.1 VSWR



5.2 No-source test data

Frequency	Efficiency	Efficiency . dB	Gain . dB
2400	44%	-3.57	2.28
2410	46%	-3.36	2.03
2420	44%	-3.61	2.13
2430	44%	-3.53	2.27
2440	44%	-3.58	2.29
2450	46%	-3.37	2.15
2460	45%	-3.47	2.10
2470	46%	-3.37	1.56
2480	45%	-3.47	1.79
2490	43%	-3.67	1.75
2500	46%	-3.41	1.71

5.3 2D/3D Radiation Pattern Results



5.4 Environmental treatment

