

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: V1)

CUSTOMER(客户名称)	深圳市汇联丰供应链管理有限公司(富智康)
CS P/N(客户机种)	TG2
PART NAME(品名)	WIFI 小折叠外置天线
FREQUENCY(频率)	2.4~2.5GHz&5.15~5.85GHz
ZTX NO.(物料编号)	1.22.00648
DATE(日期)	2023-10-24

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
		邹一麟		



Shenzhen ZTX Communication Technology Co., Ltd

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ANTENNA SPECIFICATION

CUS P/N :TG2 WIFI 小折叠外置天线

ApplicationDate:Oct,24,2023

Rev: R:V1

ZTX P/N :TG2 WIFI 小折叠外置天线

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Revision history

版本	日期	状态
V1	2023-10-24	首版

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1 2 3 4 5 6 7 8

Rev
版本
V1

Describe
描述
首次发行

Designed
制图
邹一麟

Date
日期
2023.10.20

A

B

C

① 135° ±3°
② 90° ±3°
③ *88.0±1.0

④ *109.0±1.0
⑤ *7.8±0.2
⑥ *10.00±0.20
⑦ *10.00±0.20

内螺纹母针 V2修改处
(内螺纹为黑色)

备注:
1:打*尺寸为C P K管控尺寸, 其余为I Q C重点检测尺寸.
2: 产品频段要求: 2.4-2.5GHz, 5.15-5.85GHz.
3: SMA连接器需通过24H盐雾测试;
4: 成品需通过高低温+70/-30度测试, 各24小时;
5: 部品表面光洁, 不得有油污等脏污;
6: 产品满足ZTX的技术要求和产品检验规范;
7: 产品符合ROHS2.0要求.

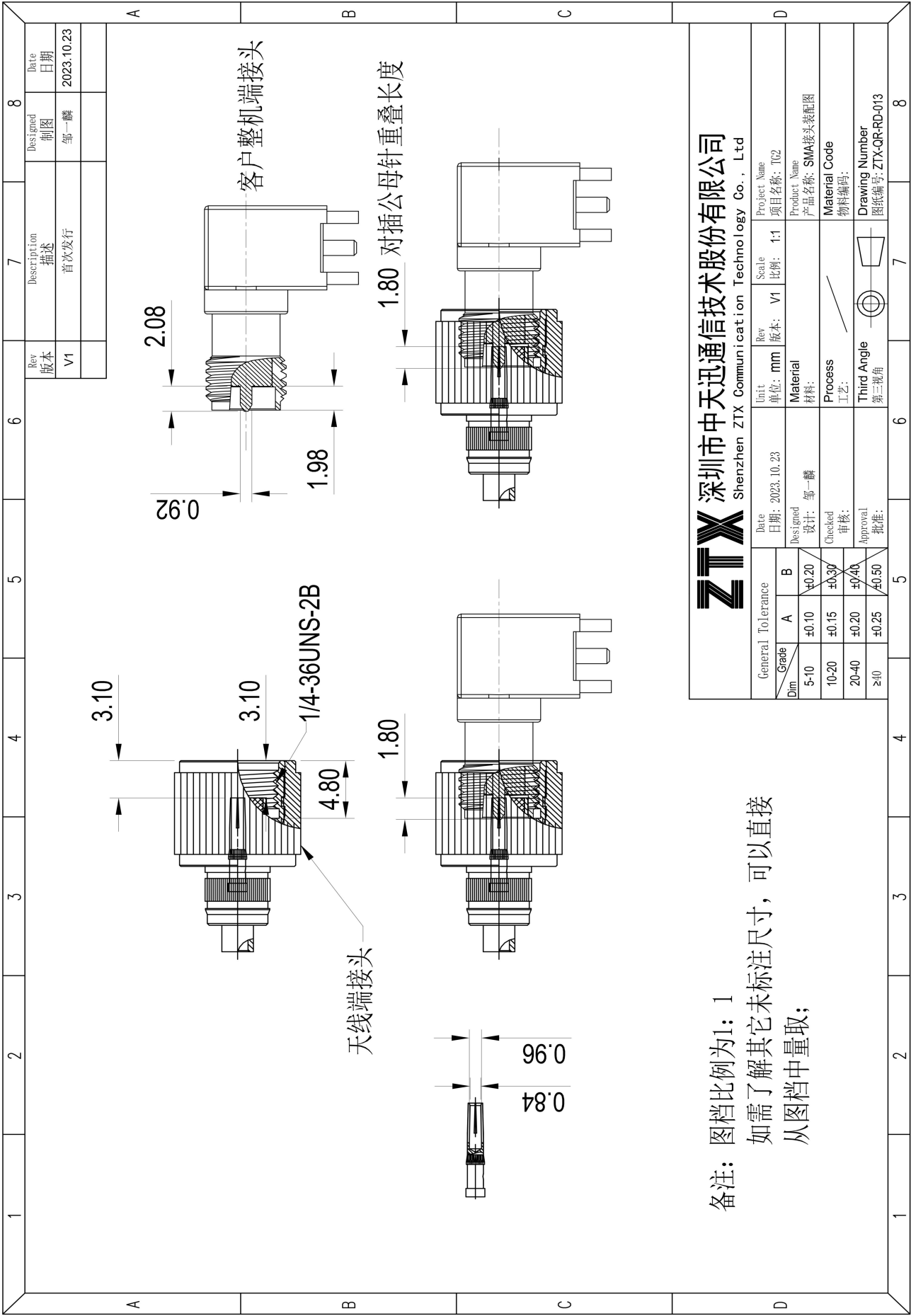
材料说明:				ZTX 深圳市中天迅通信技术股份有限公司				
序号	结构说明	材质	备注	用量	Shenzhen ZHONGTIANXUN Communication Technology Shares Co., Ltd			
①	SMA内螺纹 (母针)	黄铜+POM(白色)	黑色	1	Date: 2023.10.20			
②	下固	ABS(黑色)	注塑	1	General Tolerance			
③	上固	ABS(黑色)	注塑	1	Grade			
④	杆套	TPE&TPE(黑色)	注塑	1	Dim			
⑤	同轴线	RG787线材	棕色	1	5-10			
⑥	铜管天线	黄铜	ø4.4mm	2	10-20			
⑦	热缩套管	PE	ø5.0mm	1	20-40			
				④>	±0.25 ±0.50			
				Date			D	
				Date: 2023.10.20				
				Designed				
				设计: 邹一麟				
				Checked			D	
				审核:				
				Approval			D	
				批准: 邹国华				
				Unit			D	
				单位: mm				
				Rev			D	
				版本: V1				
				Scale			D	
				比例: 1:1				
				Project Name			D	
				项目名称: T62				
				Material			D	
				材料:				
				Product Name			D	
				产品名称: WIFI小开盒外置天线				
				ZTX Material Code			D	
				物料编码: 1.22.00648				
				Third Angle			D	
				第三视角				
				Drawing Number			D	
				图纸编号: ZTX-QR-RD-013				

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备注: 图档比例为1: 1
如需了解其它未标注尺寸, 可以直接
从图档中量取;

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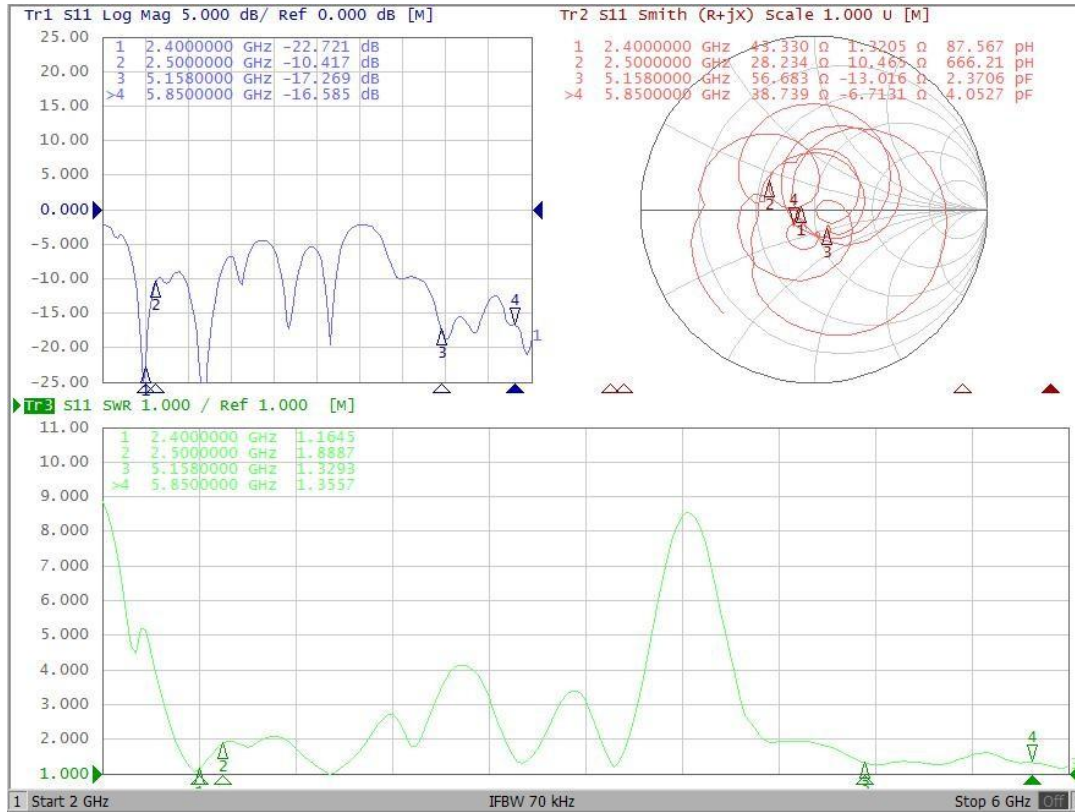
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2.Antenna test data

2-1 VSWR



2-2 No-source test data

Freq (MHz)	Effi (%)	Gain (dBi)
2400000000	61%	3.306
2410000000	63%	3.727
2420000000	63%	3.757
2430000000	63%	3.724
2440000000	60%	3.103
2450000000	62%	3.567
2460000000	60%	3.031
2470000000	56%	2.201
2480000000	61%	3.206
2485000000	61%	3.182
5150000000	57%	2.475
5200000000	57%	2.444
5250000000	53%	1.879
5300000000	53%	1.749
5350000000	50%	1.277
5400000000	52%	1.683
5450000000	51%	1.363
5550000000	53%	1.797
5600000000	54%	2.034
5650000000	54%	2.122
5700000000	53%	1.917
5750000000	52%	1.672
5800000000	50%	1.218
5850000000	49%	1.089

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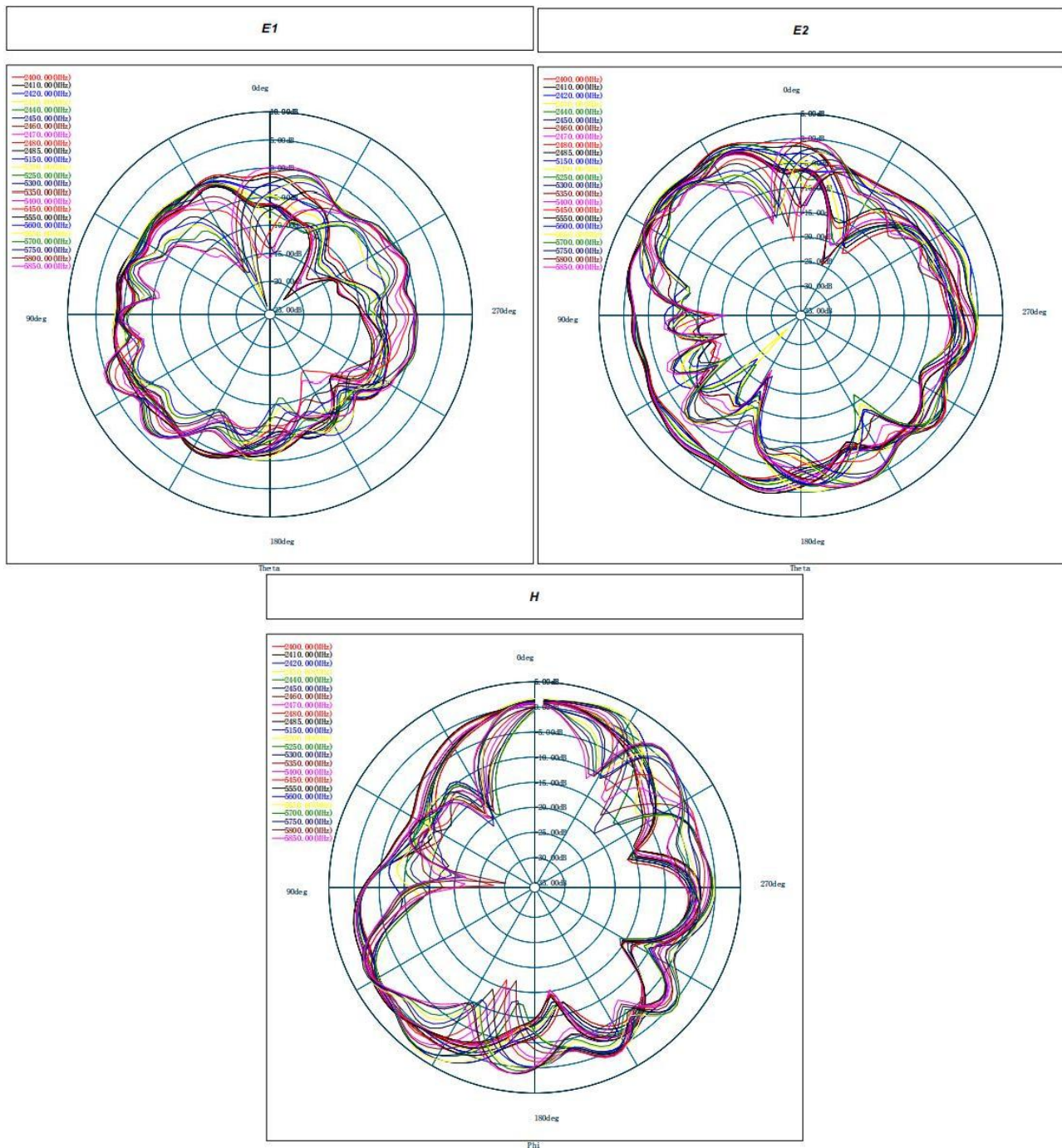
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2-3 2D/3D Radiation Pattern Results



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2-4 Environment treatment



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3.Environment Characteristic

NO.	ITEM	TEST CONDITION	SPECIFICATION
4-1	High Temperature/Humidity Storage Test(non operating)	1.Temperature: $+70 \pm 2^{\circ}\text{C}$ 2.Humidity: 90~95%RH 3.Time: 48hrs	No material deformation is allowed.
4-2	Low Temperature/Humidity Storage Test(non operating)	1.Temperature: $-30 \pm 2^{\circ}\text{C}$ 2.Humidity: 0%RH 3.Time:48hrs	The VSWR, Gain, Radiation Pattern must be met specifications after these test.