



Kangguan viewTech Center

产品规格书

SPECIFICATION

客户: 深圳康冠科技集团
CUSTOMER: Shenzhen KTC Technology Group

KTC 产品名称:
DESCRIPTION:

KTC 产品编码:
MATERIAL CODE:

供应商产品名称: ACEK2 (TAC2) WIFI 天线组件
SUPPLIER PRODUCT NAME:

供应商物料编码: 2.00005864
SUPPLIER MATERIAL CODE:

送样日期: 2022-11-24
RECEIVED DATE:

深圳市中天迅通信技术股份有限公司 SHENZHEN ZHONGTIAN XUN Communication Technology Co.,Ltd		
拟制 PREPARED BY	审核 CHECKED BY	批准 APPROVE BY
赖宁平	赵烽	邹国华

深圳康冠科技集团 Shenzhen KTC Technology Group		
承认 ACCEPT	审核 CHECKED BY	批准 APPROVE BY

备注: 承认盖章后请回复一份承认书 (或复印件) 给我司, 其余由贵公司存档。

REMARK: Please send us one (or copy) of this approval with stamp after accepting, other copies filed by the customer.

地址: 深圳市宝安区石岩镇石龙大道 34 号(腾达工业园)

ADD:

邮编 Postal code: 518000

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传真 Fax: 0755-27588045

Http: www.chinaztx.com

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A1)

	CUSTOMER(客户名称)	深圳市康冠技术有限公司	
	CS P/N(客户机种)	ACEK2	TAC2
	PART NAME(品名)	WIFI 天线组件	L=210mm
	FREQUENCY(频率)	2.4~2.5GHz+5.15~5.85GHz	
	ZTX NO.(物料编号)	2.00005864	
	DATE(日期)	2022-11-24	

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Remark(备注):

Sign(客户确认签字盖章):

ZHONG TIAN XUN TECHNOLOGY CO., LTD				
MANAGER CHECKED	MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER
邹国华		赖宁平	赵烽	



Shenzhen ZTX Communication Technology Co., Ltd

地址: 深圳市宝安区石岩镇石龙大道 34 号(腾达工业园)

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修订履历

REVISION HISTORY

版本/次 REVISION N	修改项次 DESCRIPTION	修改日期 DATE
A1	首次发行 First time to issue	2022/11/24

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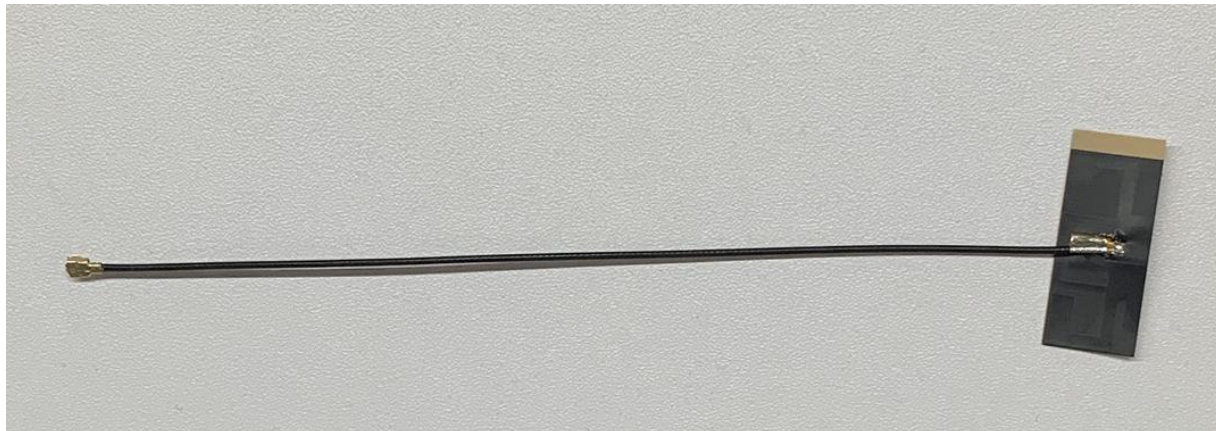
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1.Product drawings

备注：此页请附上物料的实物图片



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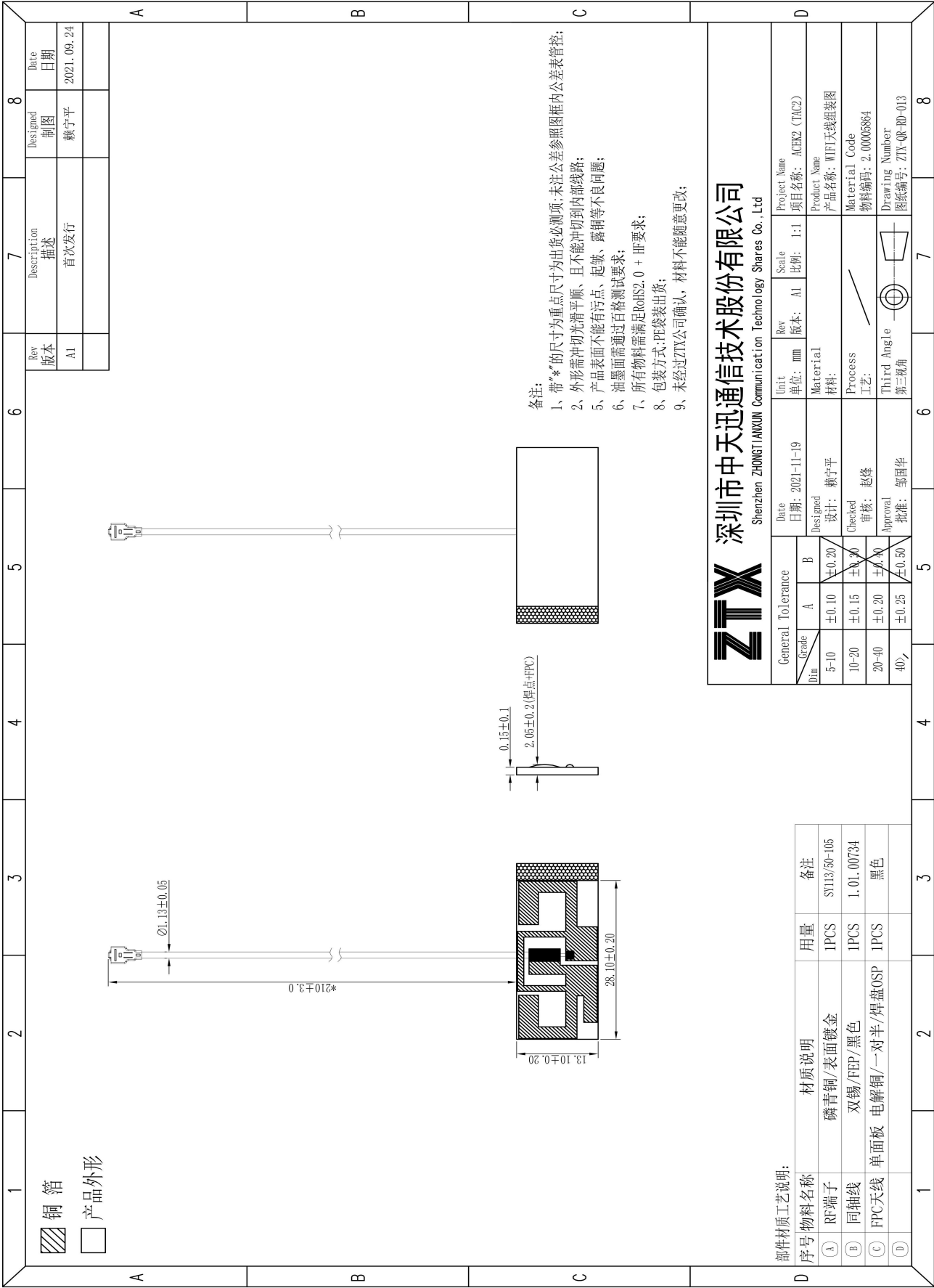
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2. Mechanical Specification

2-1 Mechanical Configuration(WIFI 天线组件)



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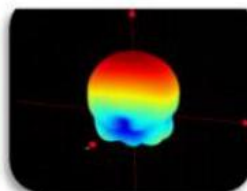
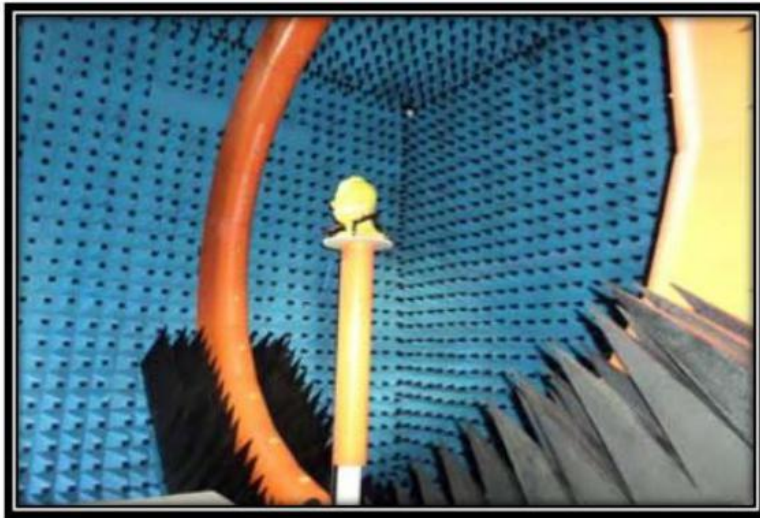
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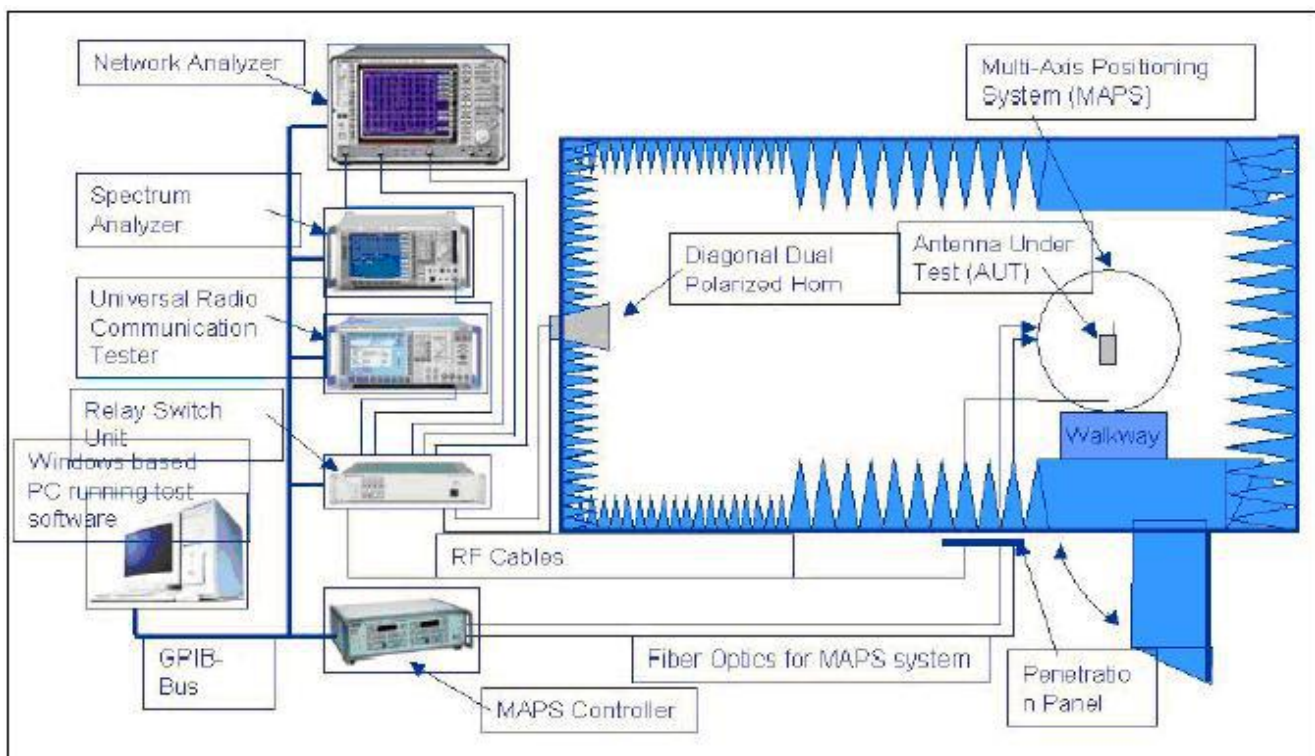
3. Test equipment



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 CTIA 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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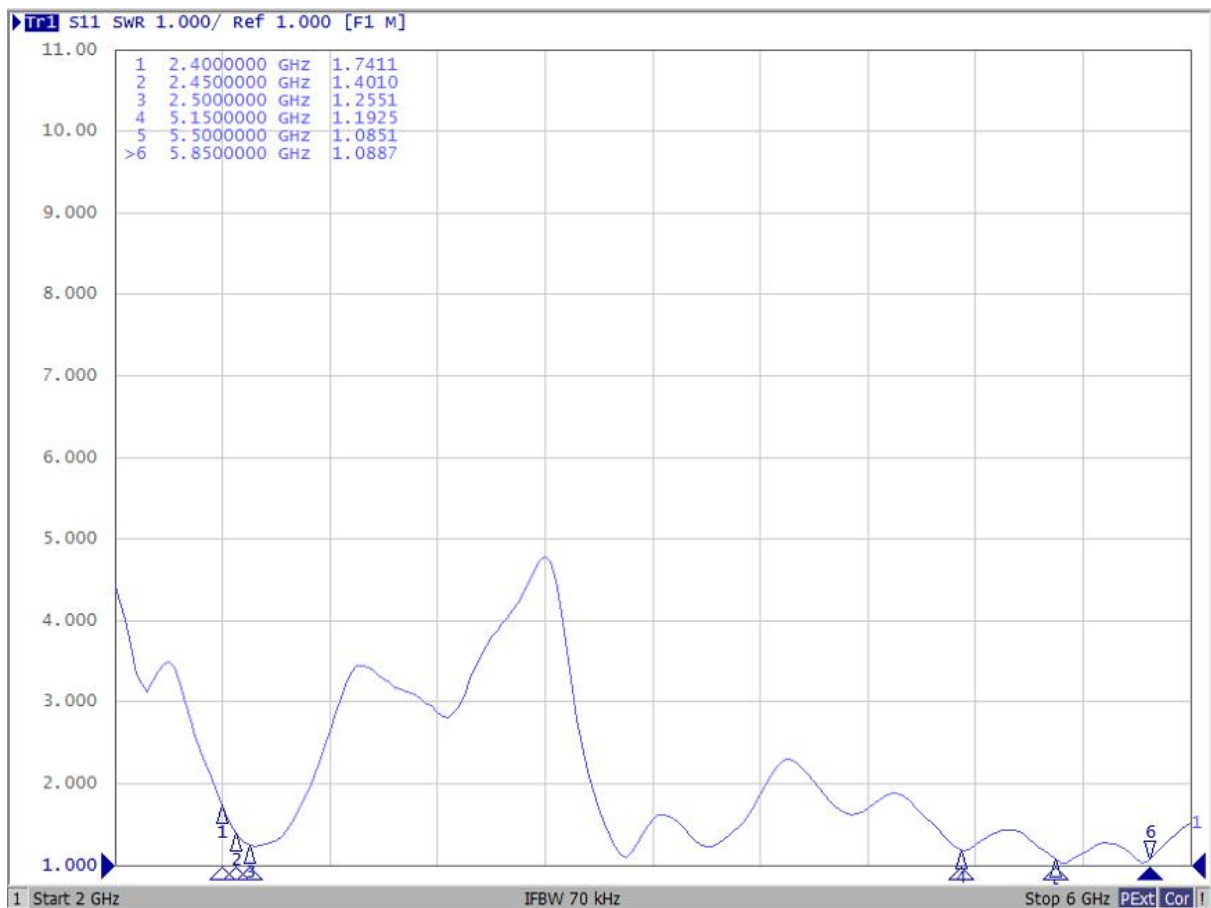
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4. Antenna test data

4-1 Active Test

测试数据					
2.4GWIFI-B	信道	1	6	11	速率
	TRP	15.31	14.97	14.28	1Mbps
	TIS	-80.08	-82.44	-79.93	11Mbps
测试数据					
5GWIFI-A	信道	36	149	165	速率
	TRP	13.48	10.05	9.08	6Mbps
	TIS	-71.2	-71.28	-70.41	54Mbps

4-2 VSWR



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4-3 No-source test data

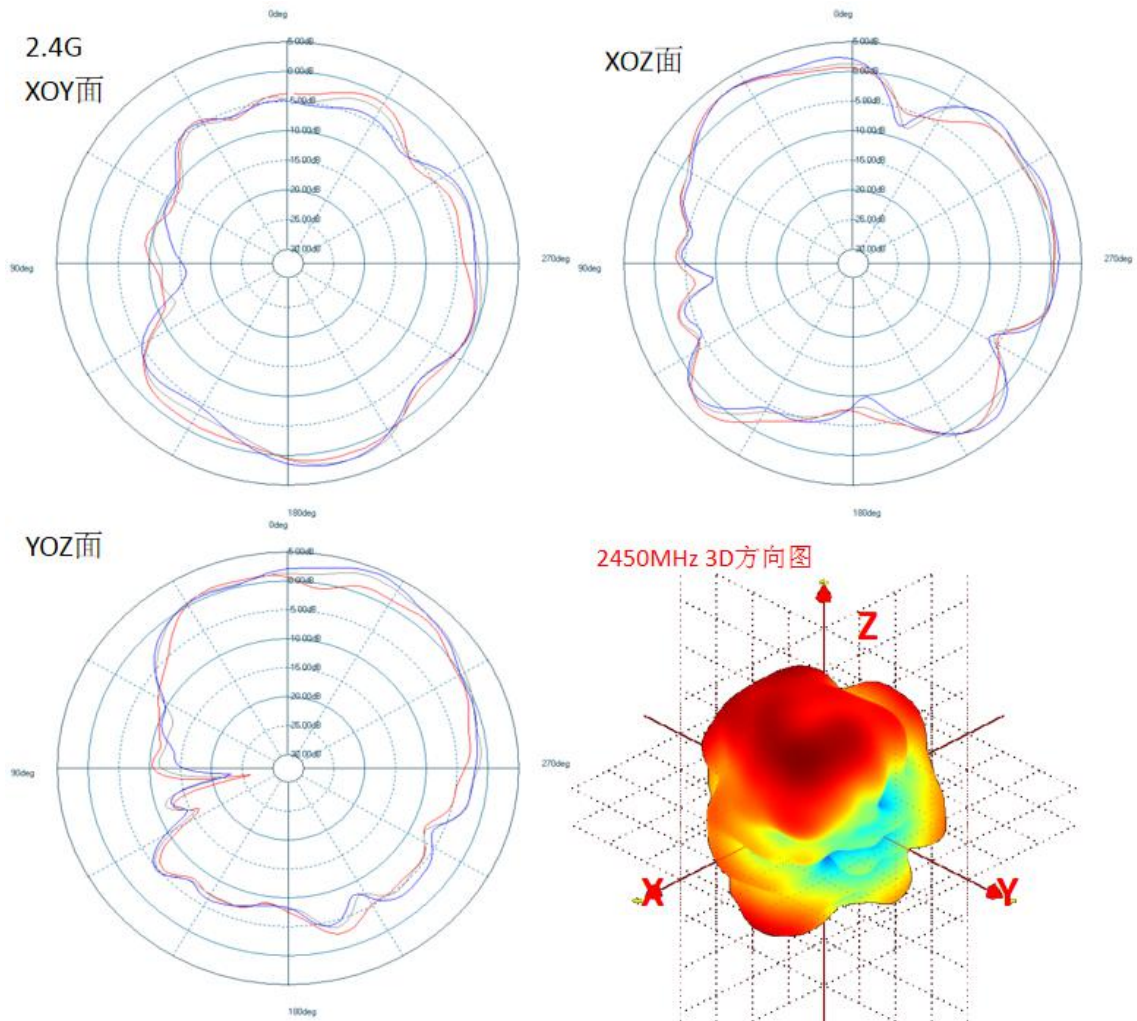
Frequency Mhz	Efficiency		Peak Gain dB
	%	dB	
2400	60.16	-2.21	3.91
2410	59.64	-2.24	3.73
2420	64.33	-1.92	4.13
2430	64.52	-1.90	4.15
2440	65.81	-1.82	4.16
2450	66.09	-1.80	4.02
2460	65.30	-1.85	3.82
2470	67.10	-1.73	3.66
2480	67.76	-1.69	3.67
2490	69.06	-1.61	3.88
2500	69.10	-1.61	4.19

Frequency Mhz	Efficiency		Peak Gain dB
	%	dB	
5150	46.89	-3.29	4.94
5200	48.06	-3.18	5.10
5250	47.15	-3.26	5.20
5300	48.62	-3.13	5.38
5350	50.19	-2.99	5.45
5400	47.83	-3.20	4.68
5450	49.57	-3.05	4.93
5500	47.66	-3.22	4.83
5550	47.19	-3.26	5.09
5600	46.62	-3.31	5.16
5650	45.94	-3.38	5.14
5700	43.46	-3.62	5.00
5750	45.95	-3.38	5.00
5800	45.10	-3.46	4.64
5850	44.80	-3.49	4.38

4-3 Environment treatment

N/A

4-4 2D/3D Radiation Pattern Results



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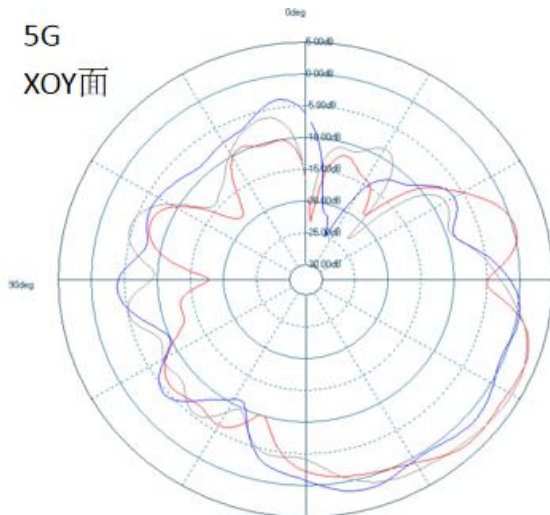
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ZTX P/N :ACEK2 (TAC2) WIFI 天线组件

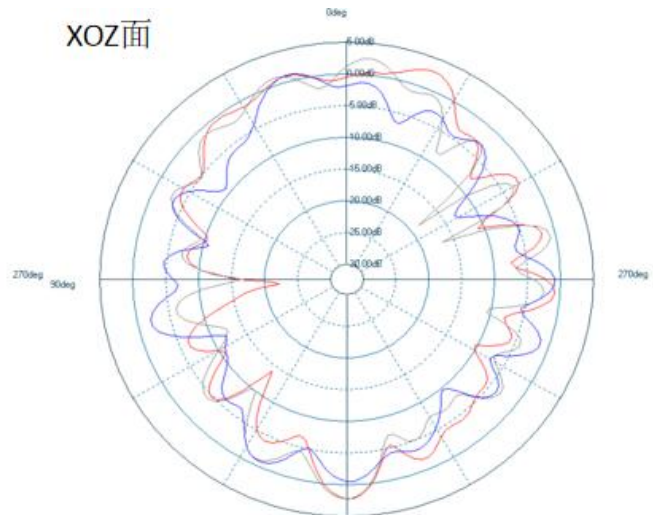
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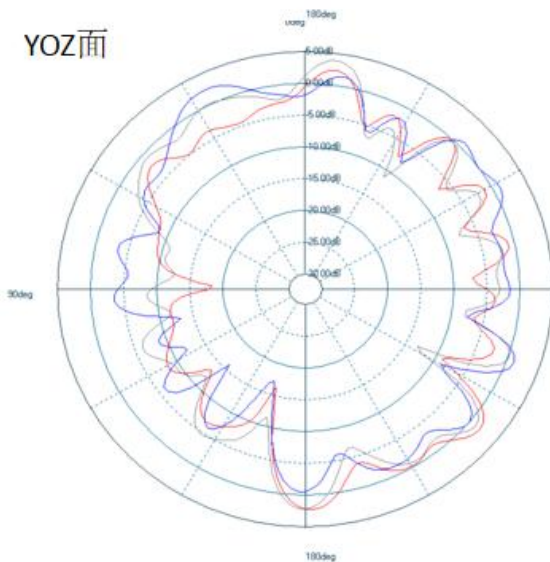
5G
XOY面



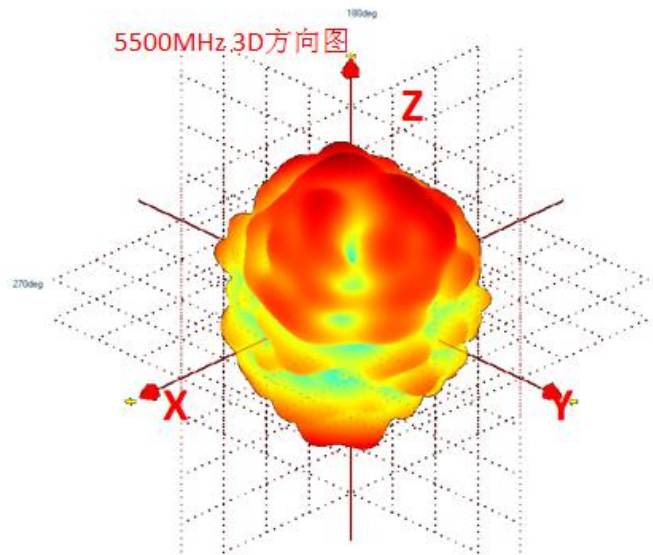
XOZ面



YOZ面



5500MHz.3D方向图



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5.Raw Material Detection List

Raw Material Detection List
原材料检测清单

序号	组成部件或零件 Parts or Components	材料名称或型号 Style/Item NO.	含量 (ppm)								无卤		测试报告编号 Report NO.	Test Lab 测试机构名称	测试报告 检测日期	测试报告 有效期限	RoHS Report RoHS报告
			Pb 铅	Cd 镉	Hg 汞	Cr6+ 六价铬	PBBs 多溴联苯	PBDEs 多溴联苯醚	邻苯二甲酸二(2-乙基己)酯	邻苯二甲酸丁酯DEP	邻苯二甲酸丁酯BBP	邻苯二甲酸二异丁酯DIEP					
1	FPC	基材	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	SGS	2022/2/21	2023/2/20	
		油墨	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ETR22705905	SGS	2022/8/5	2023/8/4	
		3M9471	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	CAMEC2200386501	SGS	2022/1/12	2023/1/11	
		OSP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	CAMEC2203796401	SGS	2022/3/17	2023/3/16	
2	同轴线	同轴线—镀锡铜线	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	A2220186128101ER1	CTI	2022/5/13	2023/5/12	
		同轴线—FEP绝缘	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	SHAC2127178503	SGS	2021/12/21	2022/12/20	
		同轴线—FEP护套	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NGBML2200124301	SGS	2022/1/27	2023/1/26	
		同轴线—色母黑色	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	A222019568310103C	CTI	2022/5/29	2023/5/28	
3	RF端子 1代	C5210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	CAMEC2201952007	SGS	2022/2/18	2023/2/17	
		金镀层	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	A2220404860101002	CTI	2022/9/9	2023/9/8	
		镍镀层	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	A2220404860101001	CTI	2022/9/9	2023/9/8	
		PBT黑	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	EKR22401642	SGS	2022/4/29	2023/4/28	

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6.The packing way

包装规范&作业指导书

客户名称	康冠	产品型号	ACEK2 (TAC2)		产品名称	天线
纸箱规格	K=K45*32.5*21CM		物料编号	1.12.000002	用量	1PCS/箱
PE封口袋	360*280*0.10mm		物料编号	1.12.000026	用量	10PCS/箱
PE开口袋	240*160*0.05mm		物料编号	1.12.000030	用量	100PCS/箱
纸板规格	2PCS/箱*2		其他物料	标签/胶带		
每箱数量	5000PCS	PE开口袋数量	50PCS	PE封口袋数量	500PCS	
注意事项	1.客户物料编码和数量是否正确, 标签必须用机打印; 2.内标签、外标签、出货报告、送货单内容需一致; 3.如是试产物料或有变更均需贴相应标识, 尾数箱需贴尾数标识, 内附检验报告等;					
包装简图: 1.取 (50pcs) 产品, 装袋, 贴物料标签; 2.将包装好的产品装入大袋 (500pcs), 贴物料标签; 3.将包装好的装箱 (5000pcs), 贴物料标签; 4.封箱。						
NO	变 更 内 容		变更人及日期			
标签简图:			外箱简图:			

制表: 韦泓佳

审核: 向恒锋

核准: 党非非

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附页：有害物质检测报告清单

有害物质检测报告清单

List of hazardous substances test reports

序号 No.	物料 BOM 的名称及型号 Name and model of material BOM	KTC 供应链管理系统编号 Supply chain management system coding	报告类型 Report type
1	ACEK2 WIFI 天线		ROHS2.0
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			

说明：

- “物料 BOM 的名称及型号”是指以均质材料为单位的物料清单，如 IC 由晶源、封装料、引脚、电镀材料、油墨等均质材料组成。
- “KTC 供应链管理系统编码”：深圳康冠科技集团供应链管理系统（网址：<https://scm.ktc.cn>）-供应商管理-有害物质检测报告模块，当上传环保报告时会自动产生“报告编号”（应商代码+流水号），如 307R1109-19080001。注意必须填写 KTC GP 工程师审核合格后的编号，如果未审核由采购通知 GP 工程师处理。
- 报告类型：如 RoHS、REACH 等，电子料要符合 RoHS、REACH 要求。
- 供应商确认此物料的“有害物质检测报告”在 KTC SCM 系统中有“报告编号”（应商代码+流水号），则点击“编辑”在“物料明细”增加此料号；如果没有要重新上传“有害物质检测报告”产生新的“报告编号”。