

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A1)

CUSTOMER(客户名称)	高盛达	
CS P/N(客户机种)	WCT5H-40 (黑线)	
PART NAME(品名)	PIFA antenna	L=401mm
FREQUENCY(频率)	2400-2500MHz/5150~5850MHz	
ZTX NO.(物料编号)	2.00004126	
DATE(日期)	2020-02-26	

Connector type:IPEX connector

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
		邹一麟	刘蒋军	



深圳市中天迅通信技术股份有限公司

SHENZHEN ZHONGTIAN XUN Communication Technology Co.,Ltd.

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ANTENNA SPECIFICATION

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Revision history

版本	日期	状态
A1	2020-02-26	首版



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1. Mechanical Specification

1-1 Mechanical Configuration (WIFI 组件)

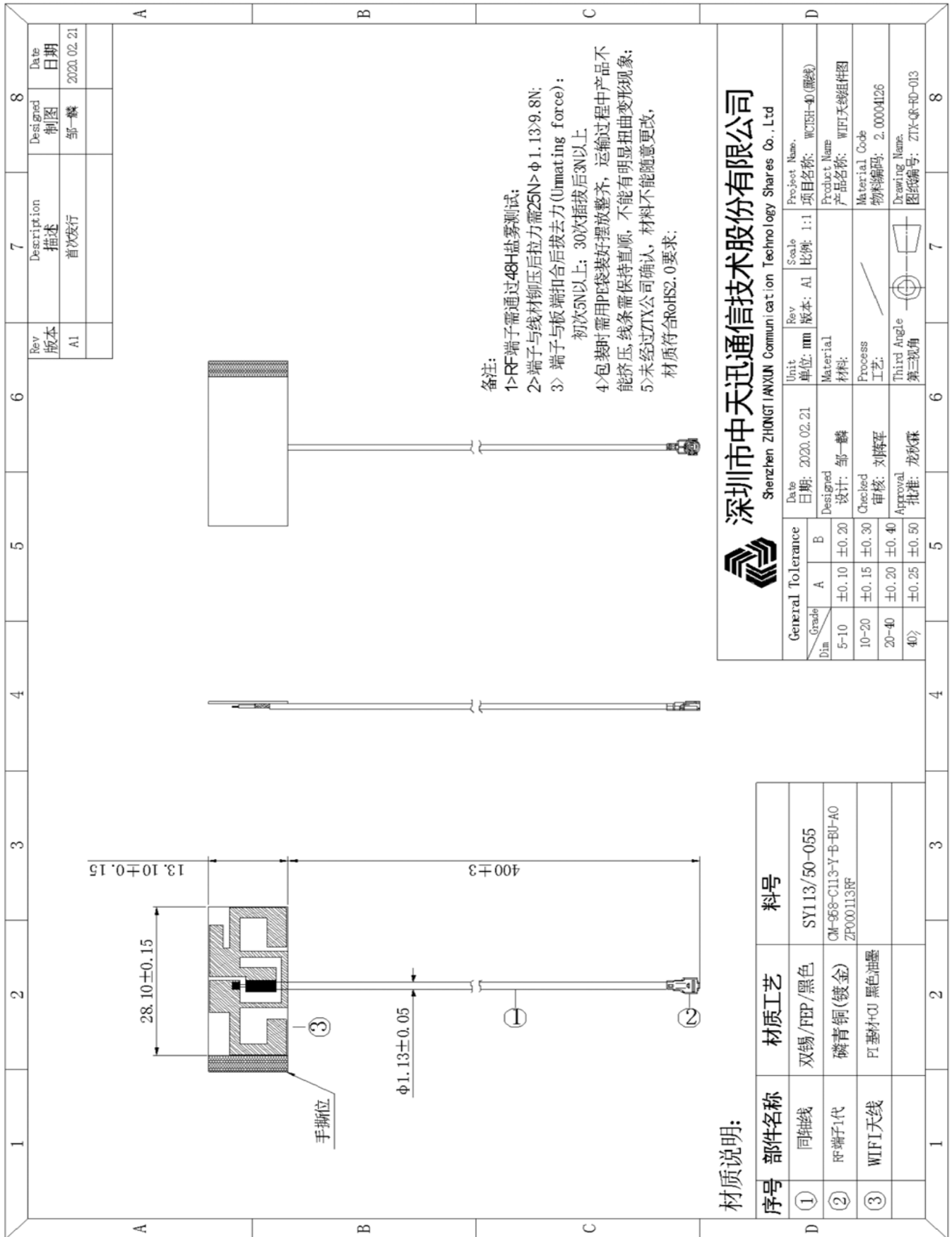


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材质说明:

序号	部件名称	材质工艺	料号
①	同轴线	双锡/PEP/黑色	SY113/50-055
②	RF端子1代	磷青铜(镀金)	QM-568-C113-Y-B-BU-A0 ZF000113RF
③	WIFI天线	PT基材+CU 黑色油墨	

深圳市中天迅通信科技股份有限公司

Shenzhen ZHONGTIANXUN Communication Technology Shares Co., Ltd

General	Tolerance	Date	Rev	Scale	Project Name
Dim	A B	日期: 2020.02.21	版本: A1	比例: 1:1	项目名称: WCT5H-40(黑线)
5-10	±0.10 ±0.20	Designed			产品名称: WIFI天线组件图
10-20	±0.15 ±0.30	设计: 邹一麟			Material Code
20-40	±0.20 ±0.40	Checked			物料编码: 2.00004126
40>	±0.25 ±0.50	审核: 刘陈军			Drawing Name
		Approval			图纸编号: ZTX-QR-H0-013
		批准: 龙秋霖			



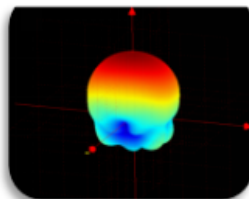
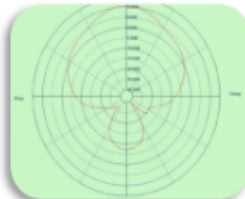
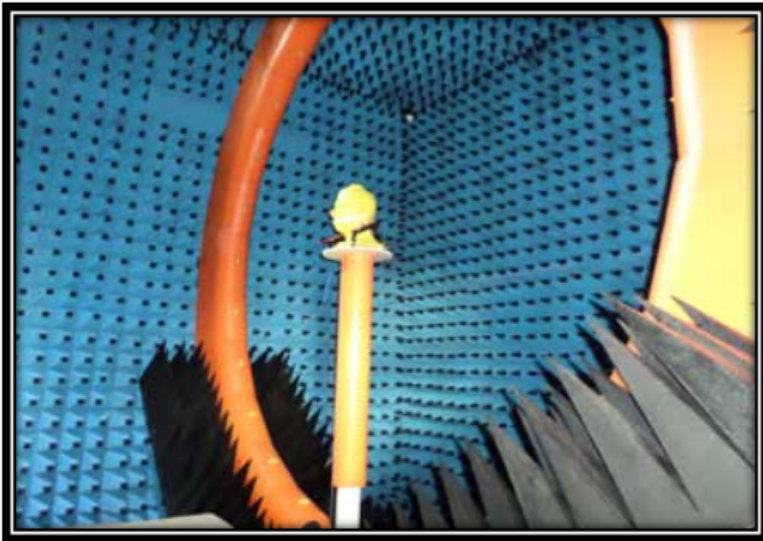
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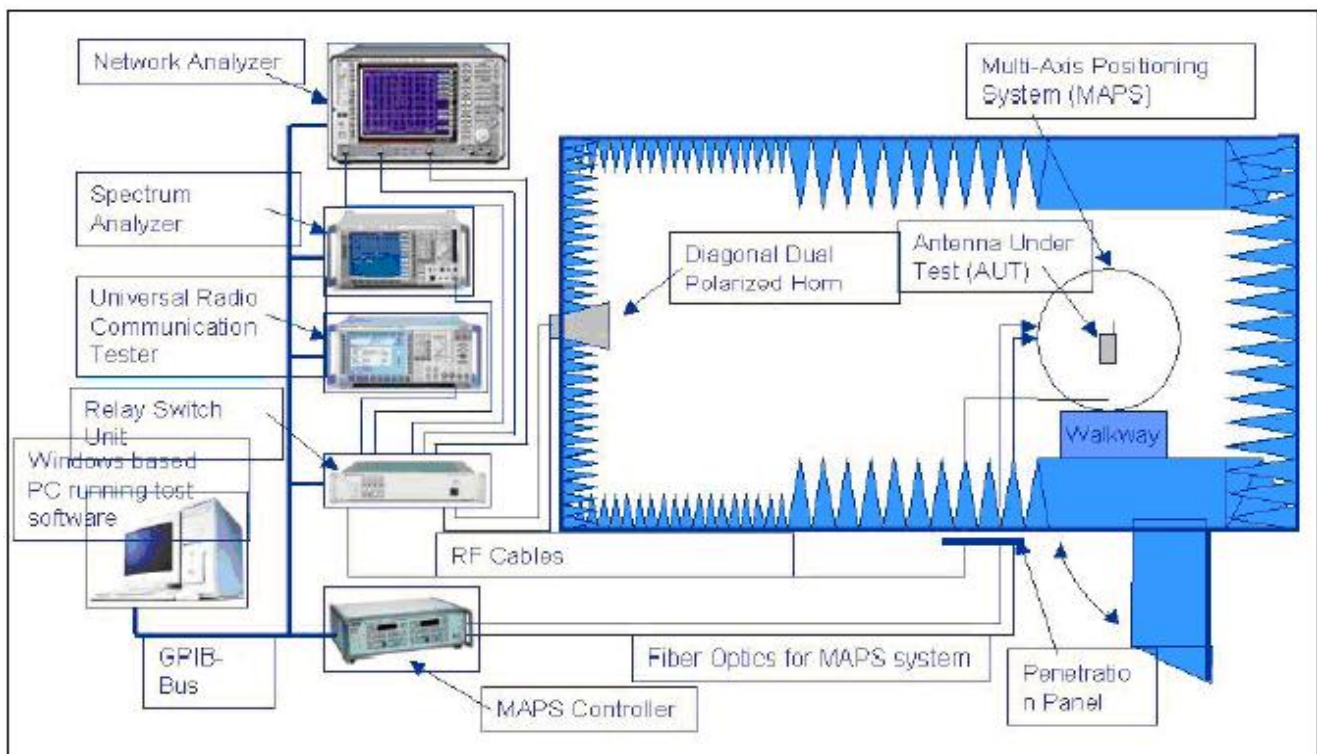
2. Test equipment



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 CITA standards.

Testing range:

Support active, passive testing of
GSM/CDMA/WCDMA/TD-
SCDMA/LTE/WIFI/WLAN/WiMax/BT
/GPS/MIMO/UWB within0.4-6G.



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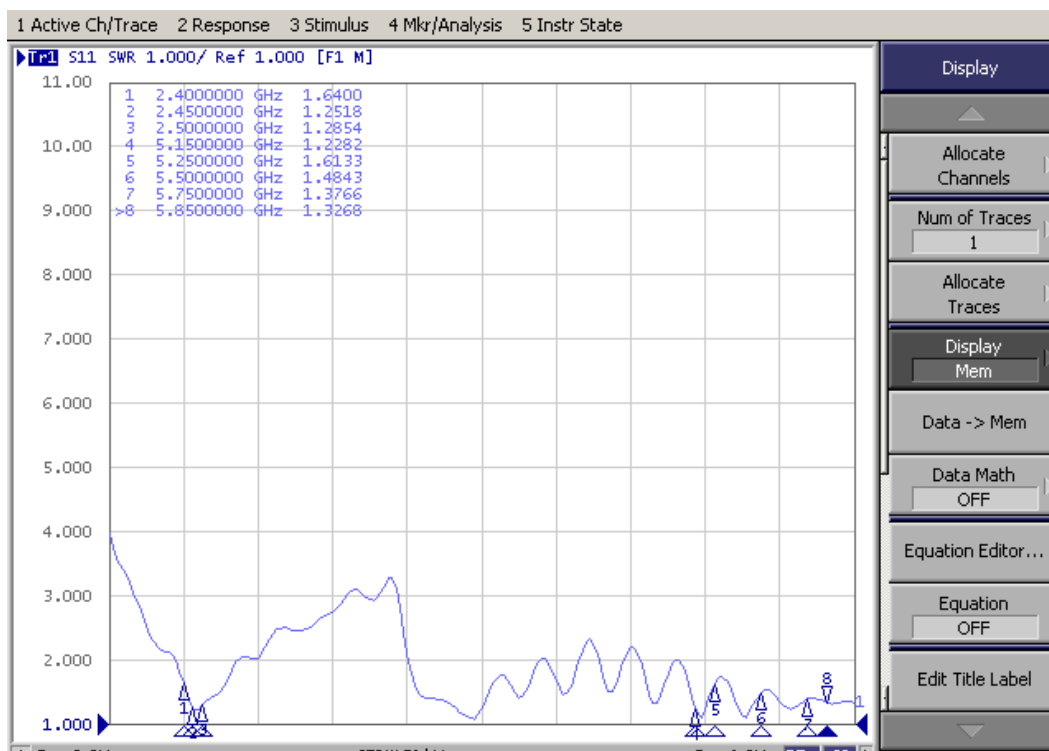
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3. Antenna test data

3-1 VSWR



3-2 Matching circuit

N/A

3-3 No-source test data

Frequency(GHz)	2.45	5.15	5.5	5.85
Line Loss(dB/m)	3.5	5.1	5.2	5.3
Line Loss(400mm)	1.4dB	2.04dB	2.08dB	2.12dB

Frequency	Peak Gain	Efficiency	
		%	dB
Mhz	dB		
2400	2.55	53.82	-2.69
2410	2.46	53.43	-2.72
2420	2.46	55.75	-2.54
2430	2.53	56.78	-2.46
2440	2.50	58.52	-2.33
2450	2.53	59.15	-2.28
2460	2.60	58.57	-2.32
2470	2.42	57.87	-2.38



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2480	2.31	59.32	-2.27
2490	2.53	58.43	-2.33
2500	2.46	57.79	-2.38
5150	3.83	54.14	-2.66
5200	3.49	54.78	-2.61
5250	3.41	52.41	-2.81
5300	3.35	52.44	-2.80
5350	3.50	55.20	-2.58
5400	3.08	52.48	-2.80
5450	2.84	53.58	-2.71
5500	2.89	53.48	-2.72
5550	3.26	56.89	-2.45
5600	3.41	56.94	-2.45
5650	3.13	55.01	-2.60
5700	3.16	53.51	-2.72
5750	3.50	56.11	-2.51
5800	3.60	55.95	-2.52
5850	3.76	56.41	-2.49

3-4 Environment treatment

N/A

3-5 产品实物图片



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4. Environment Characteristic

NO.	ITEM	TEST CONDITION	SPECIFICATION
4-1	High Temperature/Humidity Storage Test(non operating)	1.Temperature: +80 ±2°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±2°C 2.Humidity: 0%RH 3.Time: 48hrs	The VSWR, Gain, Radiation Pattern must be met specifications after these test.

5.Material list

序号	材料(原料)名称	第三方公证化学报告测试编号	第三方公证化学报告测试单位	第三方公证化学报告测试日期	状态	文档
1	FPC	SHAEC1903245802	SGS	2019-03-05	有效	 蔡伦格蒂 SHAEC190324580
		CE-2019-A0149	SGS	2019-10-14	有效	 优立CE_2019_A0149(ROHS)黑色系
		4226898	SGS	2019-10-02	有效	 3M-9471LE 9472LE 9475LE 9
		CANEC1911671904	SGS	2019-06-26	有效	 镍20190626 Nickel 808(含湿游)
2	RF 端子 1 代	CANEC1907229906	SGS	2019-05-06	有效	 紫金C5210中文 CANEC19072299
		A2190318223101001E	CTI	2019-11-25	有效	 镍镀层中英文版 A2190318223101
		A2190318585101001E	CTI	2019-11-25	有效	 金镀层中英文版 A2190318585101
		CE-2019-82288	SGS	2019-08-21	有效	 PBT 黑 CE-2019-82288 2
3	镀锡铜线	A2190138284101E	CTI	2019-06-06	有效	 镀锡铜线 A2190138284101E 2019
		SHAEC1904071101	SGS	2019-03-08	有效	 FEP BLACK SHAEC1904071101



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6.The packing way

深圳市中天迅通信股份有限公司 SHENZHEN ZHONGTIAN XUN Communication Technology Co.,Ltd.		包装规范	
产品型号	产品名称	工序序号/名称	文件编号
WCT5H	WIFI天线	包装/装箱	ZTX-QD-WI
		版本	A1
		仪器校准及要求:	1. 测试设备必须接地; 2. 重新连接接口后或连接测试不稳定时,需对仪器进行校正; 3. 测试产品时须让天线悬空,并远离人体或金属器件30cm以上;
		操作方法*作业参数 (自检验工序作业合格后,方能流入下一道工序)	
取料 装袋		1. 100pcs产品装入 (24*16cm) PE开口袋中;	
装袋 贴标签		2. 将包装好的产品袋上贴小标签,填写产品名称、物料号、数量、周期等信息;	
装箱		2. 每5袋装入 (330*230mm) PE封口袋装好 (500PCS)的PE袋袋,贴小标签,填写产品名称、物料号、数量、周期等信息;	
贴外箱 标签 附报告		3. 装箱,纸箱规格 (45*32.5*21cm), 每箱装 (5000pcs) 尾数除外,并附手写检验报告一份;	
封箱		4. 标签贴于外箱的右上角,外标签内容 (含:企业名称,供应高代码,客户规格号,生产周期,生产批次包装数量,供应高代码,内附检验报告,ROHS等);	
		5. 将贴好标签的箱子用胶纸以“工”字型封箱;	
		6S要求:	
		1. 保持检测现场台面整洁,无尘、水、油污;	
		2. 物料摆放整齐,标识清楚;	
<p>注意事项: 1. 客户物料编码和数量是否正确,标签必须用机打印的 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</p>			
物料名称	物料代码	规格	用量
PE开口袋	1. 12. 000030	(24*16)cm	50
PE封口袋	1. 12. 000029	330*230*mm	10
纸板	1. 13. 000003	42*30cm	2张
纸箱	1. 12. 000002	45*32.5*21cm	1
标签		/	
版本		修订内容	
		修订日期	修订人
制订	邹一麟	审核	易爱玲
		批准	龙秋霖

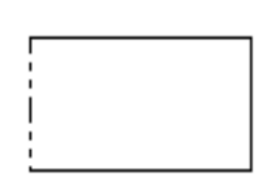


图1: 确认数量

图2: PE开口袋包装/贴标签

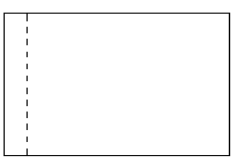


图3: 封口PE袋包装/贴标签



图4: 装箱



图5: 贴外箱标签/ 附出货检验报告

图6: 封箱

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附页：出货标签模板

N/A



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