

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A1)

CUSTOMER(客户名称)	高盛达	
CS P/N(客户机种)	WCT5H-20 (黑线)	
PART NAME(品名)	PIFA antenna	L=201mm
FREQUENCY(频率)	2400-2500MHz/5150~5850MHz	
ZTX NO.(物料编号)	2.00004133	
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	



深圳市中天迅通信科技股份有限公司

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)

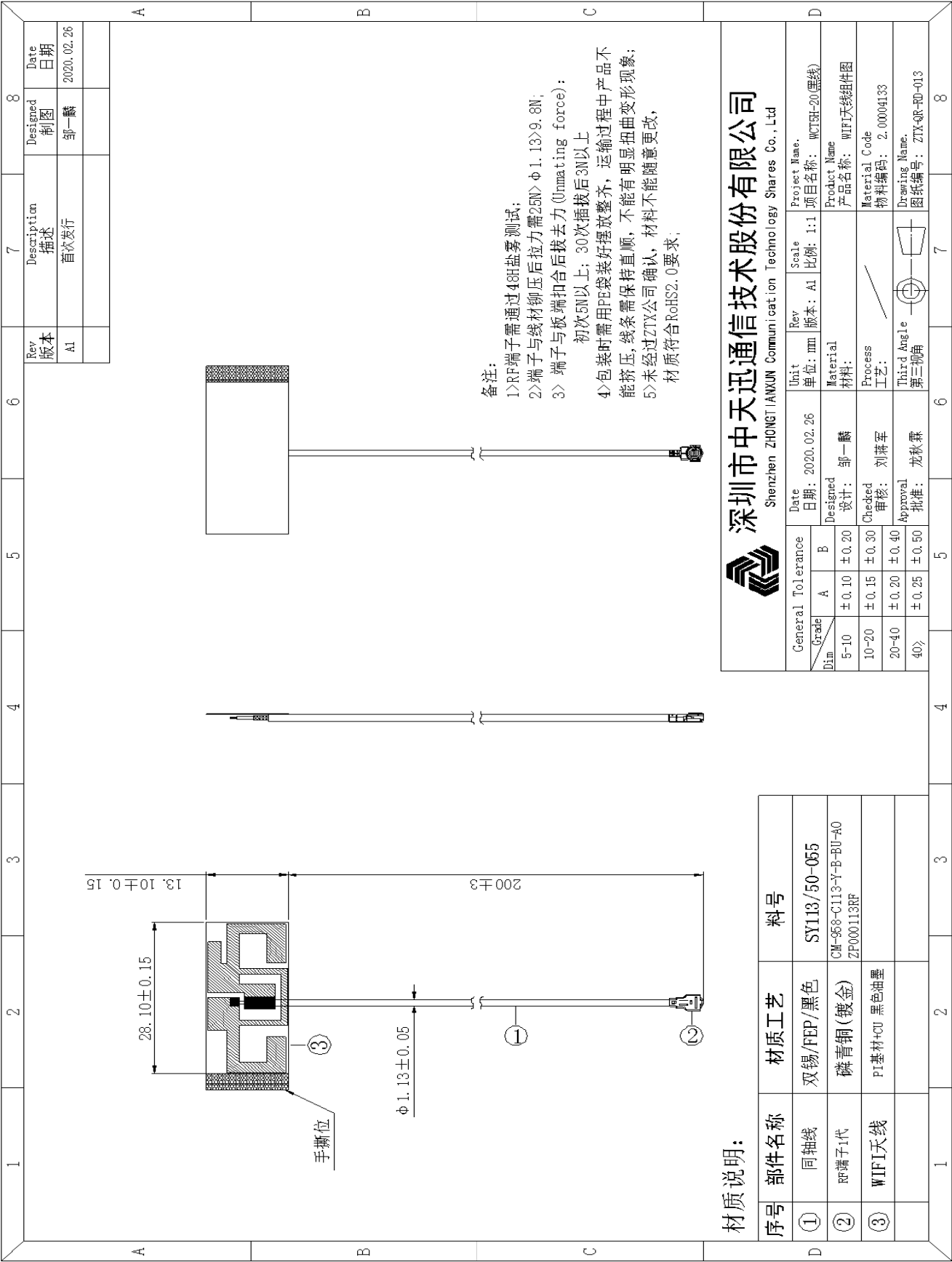


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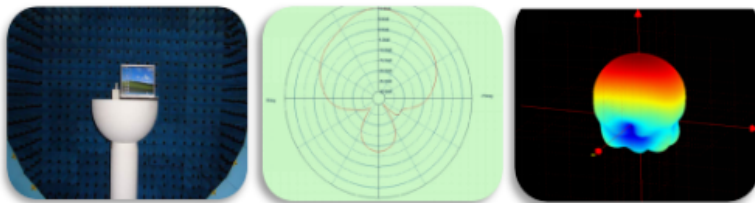
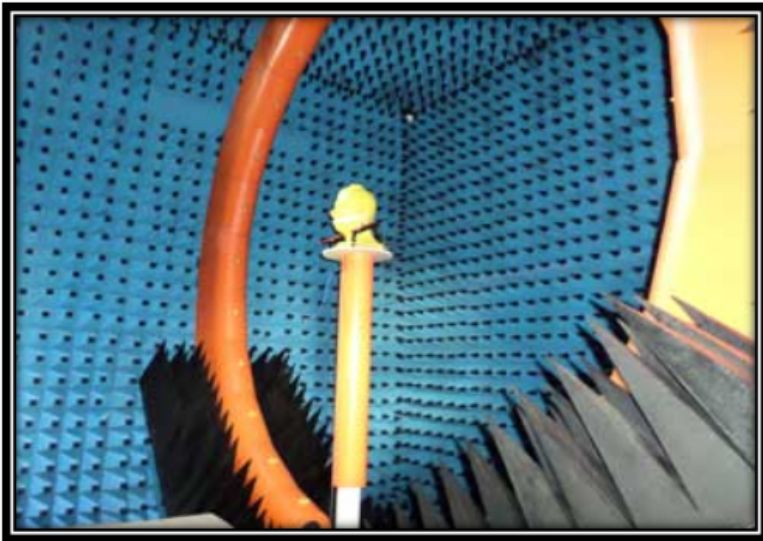
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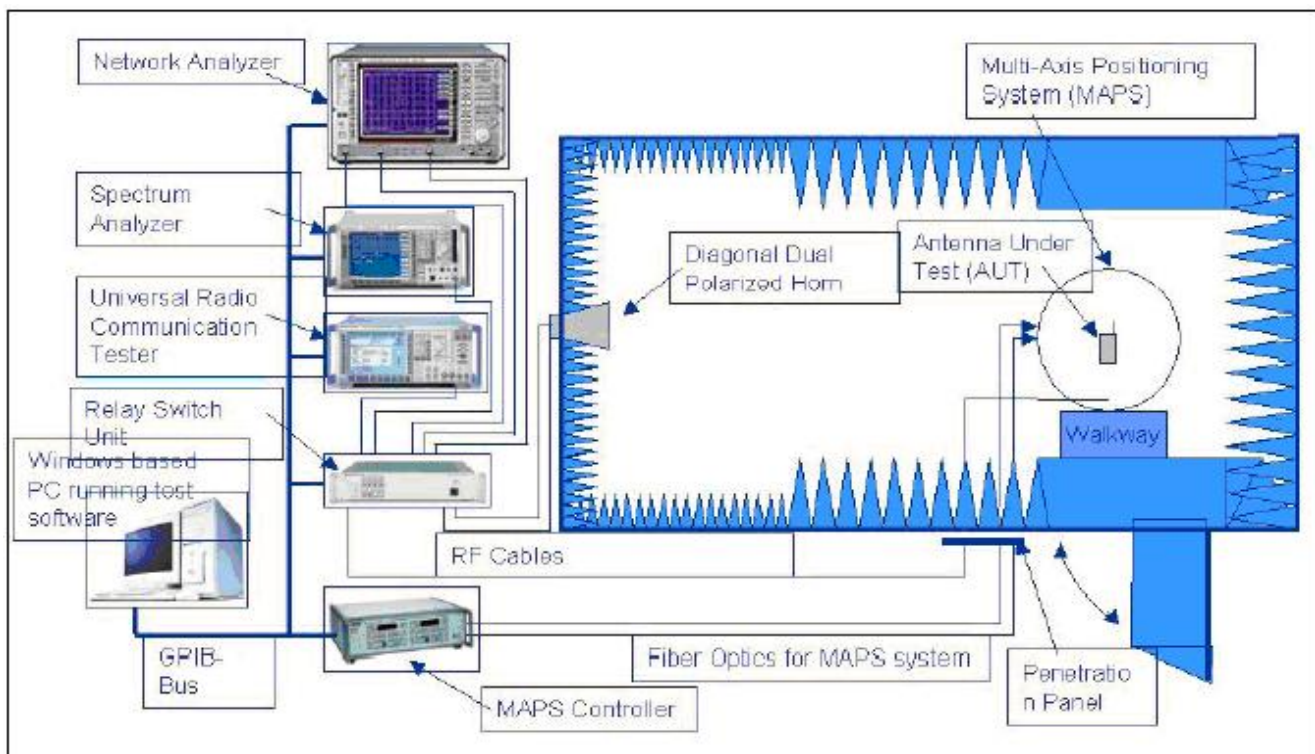
2. Test equipment



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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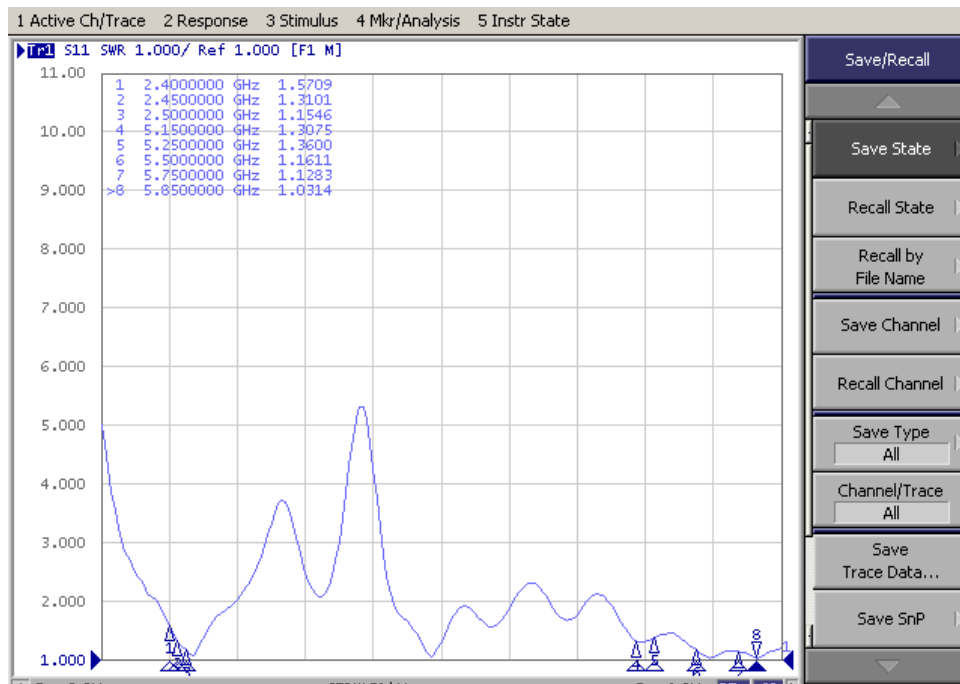
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3.Antenna test data

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(200mm)	0.7dB	1.02dB	1.04dB	1.06dB

Frequency	Peak Gain	Efficiency	
Mhz	dB	%	dB
2400	2.38	63.64	-1.96
2410	2.36	64.38	-1.91
2420	2.51	65.09	-1.86
2430	2.77	68.53	-1.64
2440	2.66	68.73	-1.63
2450	2.70	69.75	-1.56
2460	2.62	67.03	-1.74
2470	2.62	67.84	-1.68
2480	2.64	68.76	-1.63



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2490	2.74	68.22	-1.66
2500	2.78	67.67	-1.70
5150	3.56	67.31	-1.72
5200	3.50	68.38	-1.65
5250	3.40	65.37	-1.85
5300	3.31	65.37	-1.85
5350	3.54	68.18	-1.66
5400	3.03	65.45	-1.84
5450	3.24	68.75	-1.63
5500	3.32	68.62	-1.64
5550	3.04	70.72	-1.50
5600	3.08	70.82	-1.50
5650	3.19	69.65	-1.57
5700	2.89	68.45	-1.65
5750	3.55	72.06	-1.42
5800	3.55	72.11	-1.42
5850	3.79	72.65	-1.39

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: $+80 \pm 2^{\circ}\text{C}$ 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.

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_A0 149(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)
2	RF 端子 1 代	CANEC1907229906	SGS	2019-05-06	有效	 紫金CS210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 A21901 38284101E 2019
		SHAEC1904071101	SGS	2019-03-08	有效	 FEP BLACK SHAEC1904071101



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6.The packing way



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包装规范

工单序号/名称

版本

文件编号

包装/装箱

A1

ZTX-QD-WI

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. 测试产品时保证天线悬空,并远离人体或金属器件30cm以上;

操作防护要求:

1. 作业人员需带手套进行作业, (特殊产品带棉手套);

2. 检测过程中检测产品做到轻拿轻放;

3. 操作测试治具时, 严格按照操作规范使用, 避免伤手;

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;

物料名称

物料代码

规格

用量

备注

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

附页: 出货标签模板

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