

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A1)

CUSTOMER(客户名称)	高盛达
CS P/N(客户机种)	G.5.13.WC0DXXDAXX
PART NAME(品名)	WIFI 天线组件
FREQUENCY(频率)	2400-2500MHz 5150-5850 MHz
ZTX NO.(物料编号)	2.00003348
DATE(日期)	2018-04-11

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	李方森	



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

CUS P/N : G.5.13.WC0DXXDAXX

ApplicationDate:Nov,27,2018

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Revision history

版本	日期	状态
A1	2018-11-27	首版承认书



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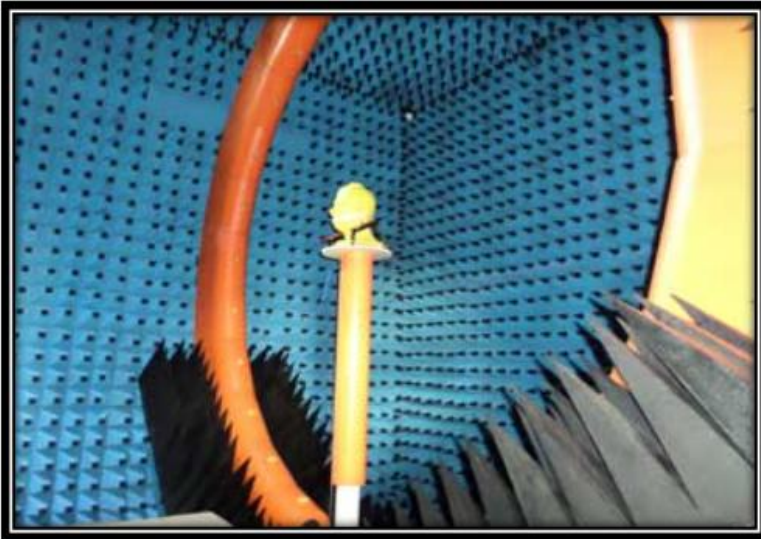
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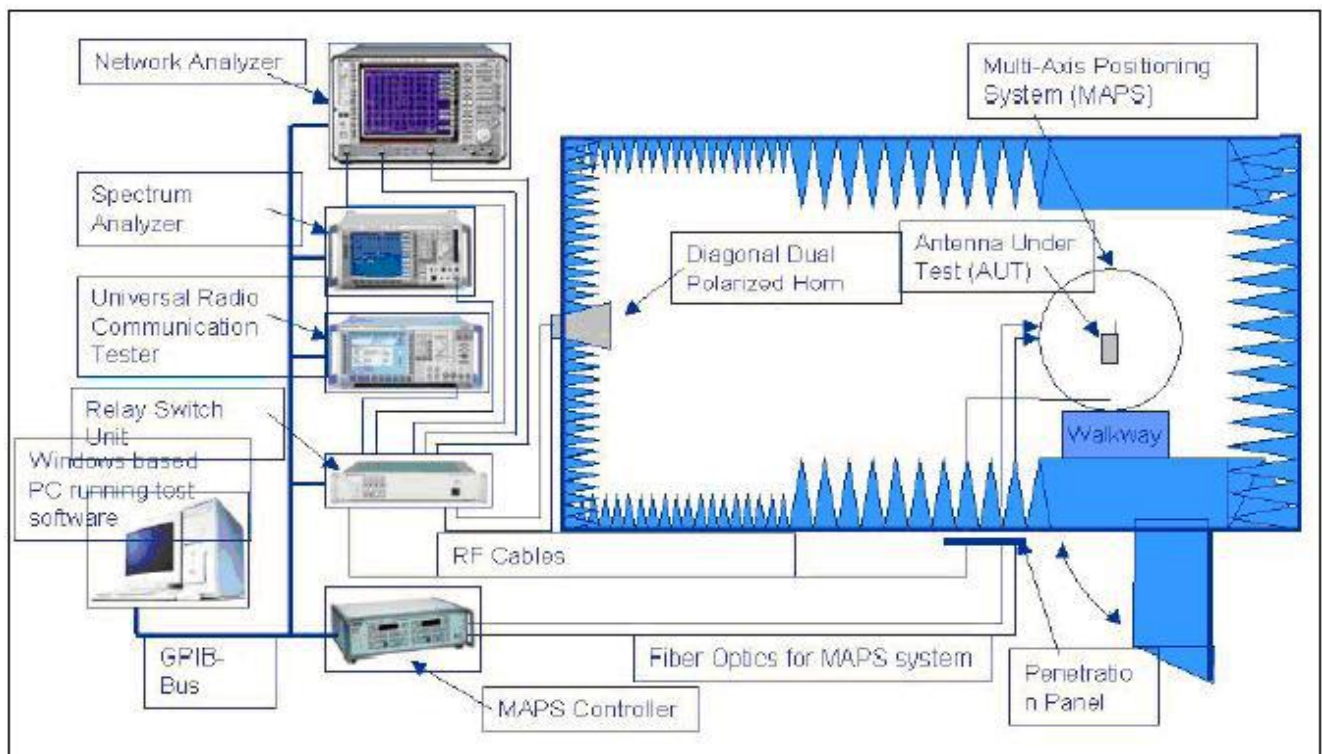
1. Test equipment



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 within 0.4-6G.



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2. Electrical Specifications

2-1 Frequency Band

Frequency Band	Frequency
WIFI 2.4G	2400-2500MHZ
WIFI 5.8G	5150-5850MHZ

2-2 VSWR And GAIN

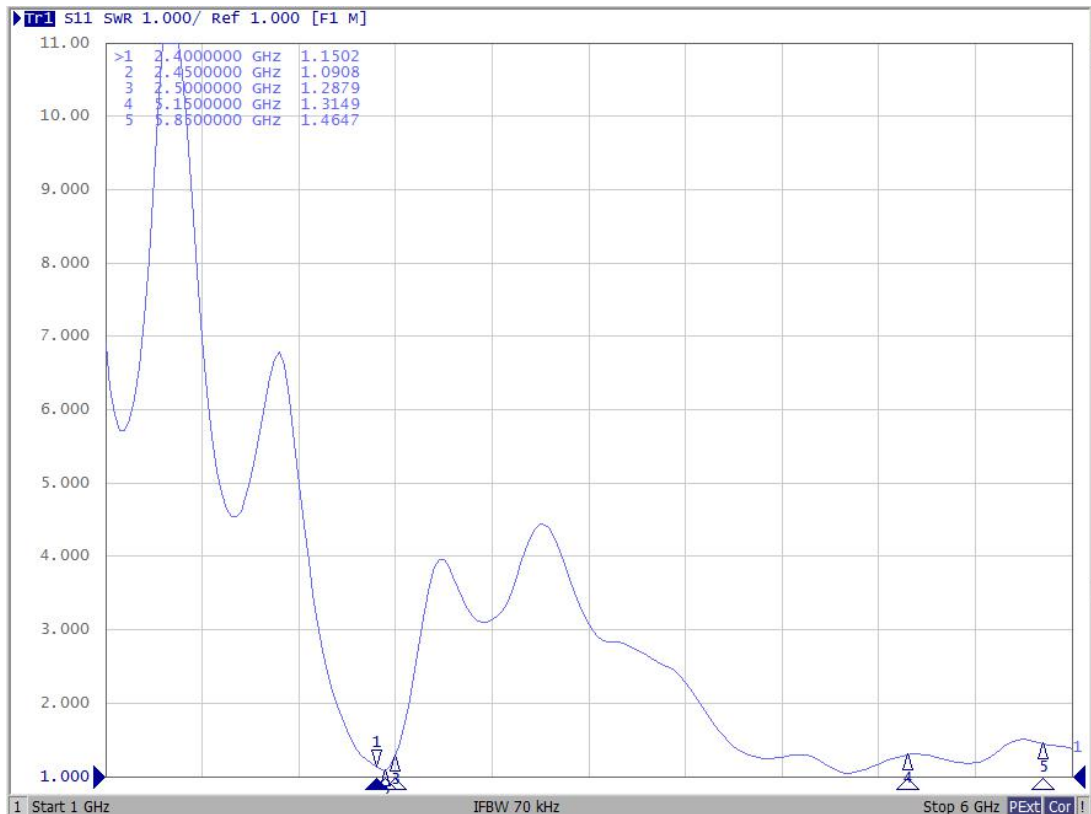
VSWR		GAIN	
Freq. Band	OPEN SPEC	Band Freq.	OPEN SPEC
2400MHz	≦ 2.0	2400MHz	≧ -1.0dBi
2500MHz	≦ 2.0	2500MHz	≧ -1.0dBi
5150MHz	≦ 2.0	5150MHz	≧ -1.0dBi
5850MHz	≦ 2.0	5850MHz	≧ -1.0dBi

※Measuring a 50 Ω test jig is connected to a network analyzer to measure the VSWR.

※※All test value is done in customer approval fixture.

3. Antenna test data

3-1 VSWR



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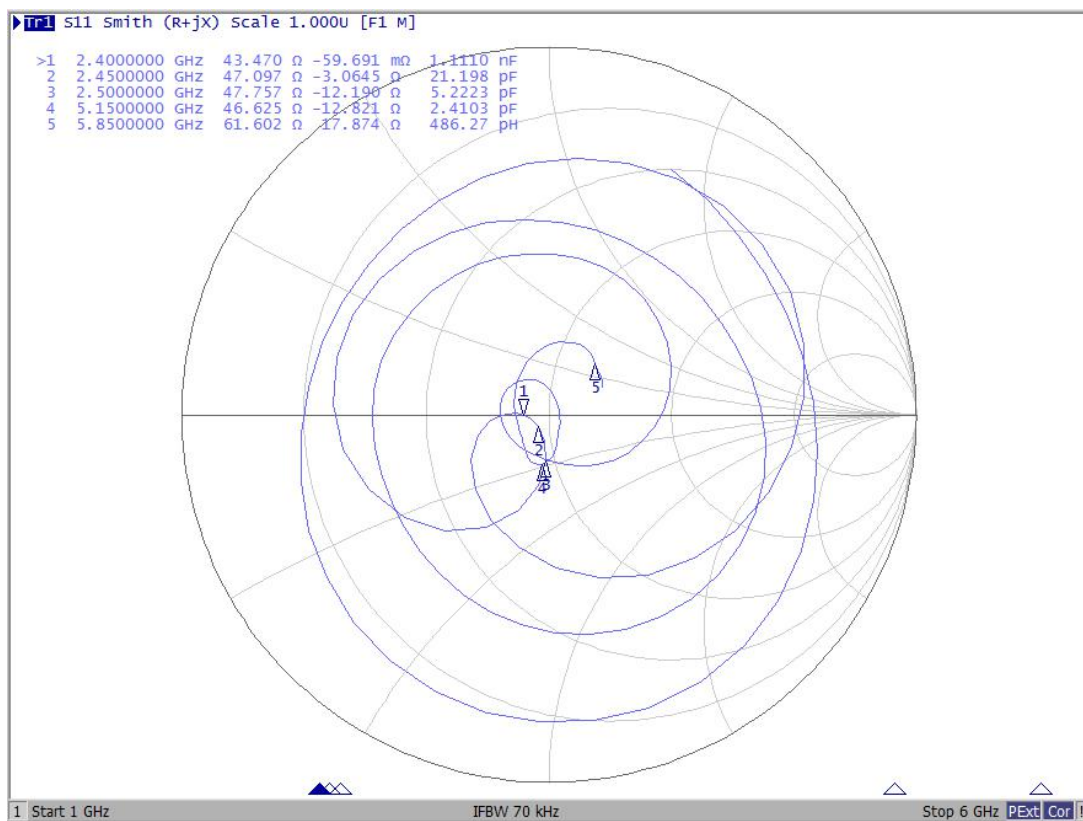
ApplicationDate:Nov,27,2018

Rev: R:A1

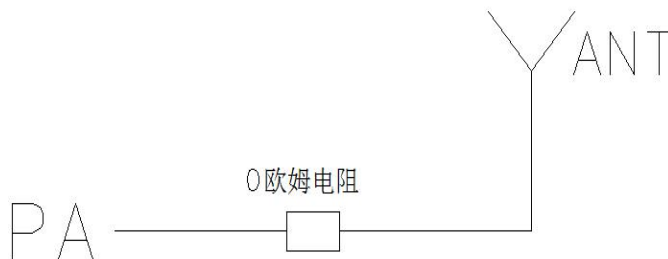
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3-2 Smith Chart



3-3 Matching circuit



3-4 No-source test data

Frequency (MHz)	2400	2450	2500	5150	5850
Gain	1.82	2.00	1.88	3.00	2.82
Efficiency (dB)	(44%)	(48%)	(45%)	(61%)	(66%)

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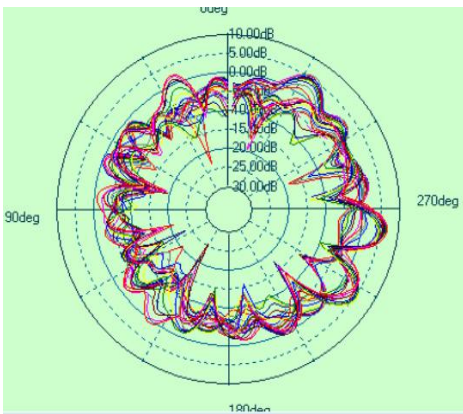
ApplicationDate:Nov,27,2018

Rev: R:A1

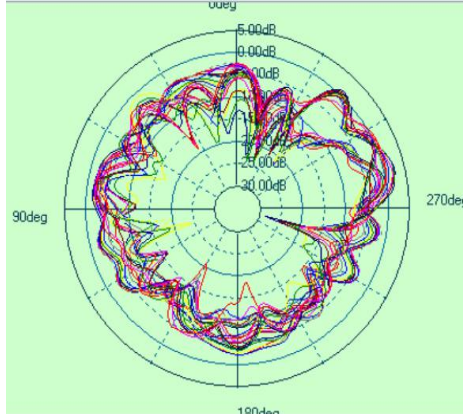
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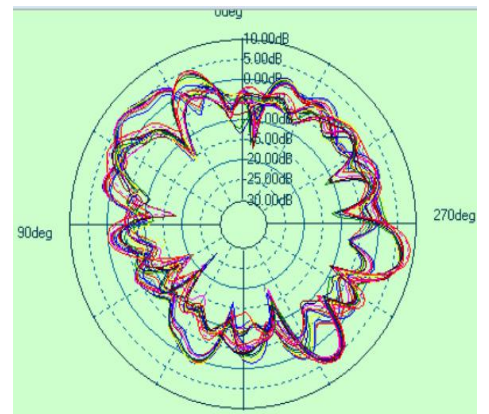
3-5 Directional drawing of horizontal plane of



Theta 90deg



Phi 0deg



Phi 90deg

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4. Mechanical Specification

4-1 Mechanical Configuration(WIFI2.4G/5.8G)

版本	说明	审核	日期	批准	日期

展开图

立体图

备注:

1. 角度尺寸模具设计时依图纸尺寸作参照,样品及量产实配即可;
2. 打"*"为严格控制尺寸(IQC必测等级A);
3. 号码说明(采用宋体,要求字迹清晰,弹片无变形);
4. 产品不能有油污、毛刺、利边、缺料、变形、压印过深等不良;
5. 需通过48小时盐雾测试;
6. 包装时需用吸塑盒摆放整齐,运输过程中产品不能挤压碰撞等;
7. 未经过ZTX公司确认,材料不能随意更改;

未注明公差	5 UND	±0.08	5-10	±0.10	10-35	±0.12	35-50	±0.15	50-100	±0.18	100 OVE	±0.20
RoHS (PPM)	Cd	≤100	Pb	≤1000	Hg	≤1000	Cr6+	≤1000	PBB	≤1000	PBDE	≤1000

图号	2012024	图名	邹一麟	单位	mm	比例	AI	比例	1:1	物料编号	1.01.00350
日期	2012-02-04	设计	李方森	材料	SUS304 (冷轧)	规格	1/1	产品名称	WIFI	图号	ZTX-QR-R0-029
审核	邹一麟	批准	邹一麟	图号	2012024	图名	邹一麟	单位	mm	比例	1:1

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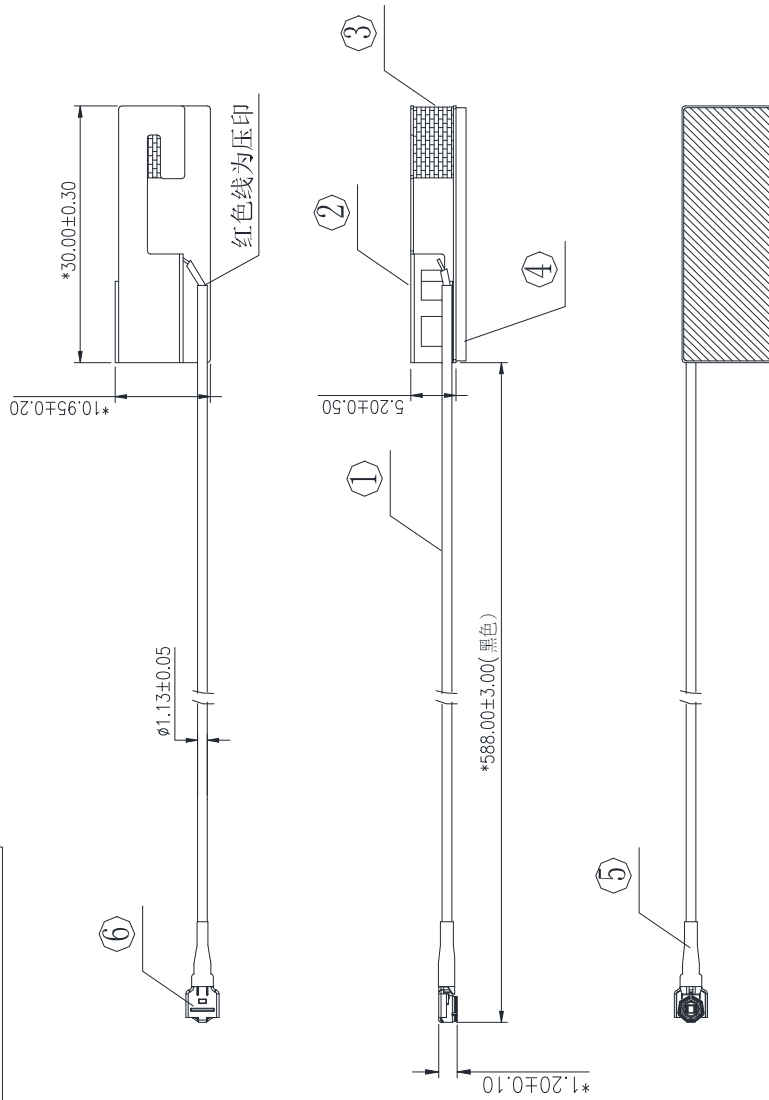
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4-2 Mechanical Configuration(天线组件)

版本	说明	审核	日期	批准	日期

端子与板端扣合后拔去力(Unmating force):
初次5N以上; 30次插拔后3N以上;



材质说明:

序号	结构说明	材质	工艺	备注
①	RF同轴线	FEP (F46) / 黑色		料号: S113/50-055
②	WiFi弹片	SUS304 T=0.30mm	镀镍	
③	支撑泡棉	防火EVA 3M 9495	通过UL-94	
④	固定泡棉胶	泡棉胶 3M RP45	通过UL-746C	
⑤	护套	黑色热缩套管		
⑥	RF端子4代	磷青铜	镀金 厚度 > 1μ"	料号: 598-C113-F-0-BU-10

注: 带*号尺寸为CPK检测尺寸

未注明公差		制图	第一版	日期	2018.11.21	版数	1/1
5 UND	±0.08	射频	李巧燕	日期	2018.11.21	物料号	2.00033348
5-10	±0.10	射频	李巧燕	日期	2018.11.21	物料号	2.00033348
10-35	±0.12	射频	李巧燕	日期	2018.11.21	物料号	2.00033348
35-50	±0.15	射频	李巧燕	日期	2018.11.21	物料号	2.00033348
50-100	±0.18	射频	李巧燕	日期	2018.11.21	物料号	2.00033348
100 OVE	±0.20	射频	李巧燕	日期	2018.11.21	物料号	2.00033348

深圳市中天迅通信技术股份有限公司

环保要求:

MATTER	RoHs (PPM)
Cd	≤100
Pb	≤1000
Hg	≤1000
Cr6+	≤1000
PBB	≤1000
PEDE	≤1000