

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A2)

	CUSTOMER(客户名称)	蓝斯通讯	
	CS P/N(客户机种)	LH16-WIFI	
	PART NAME(品名)	WIFI 天线	
	FREQUENCY(频率)	2.4-2.5GHz	
	ZTX NO.(物料编号)	F.00000081	
	DATE(日期)	2017-11-30	

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
		胡小良	沈建航	



福州中天迅通信技术有限公司

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ANTENNA SPECIFICATION

CUS P/N :LH16-WIFI

ApplicationDate:Novembe,30,2017

Rev: R:A1

ZTX P/N :LH16-WIFI

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Revision history

版本	日期	状态
A1	2017-10-25	规格书制定
A2	2017-11-30	FPC 增加补强板，丝印版本升级为 V2.0。



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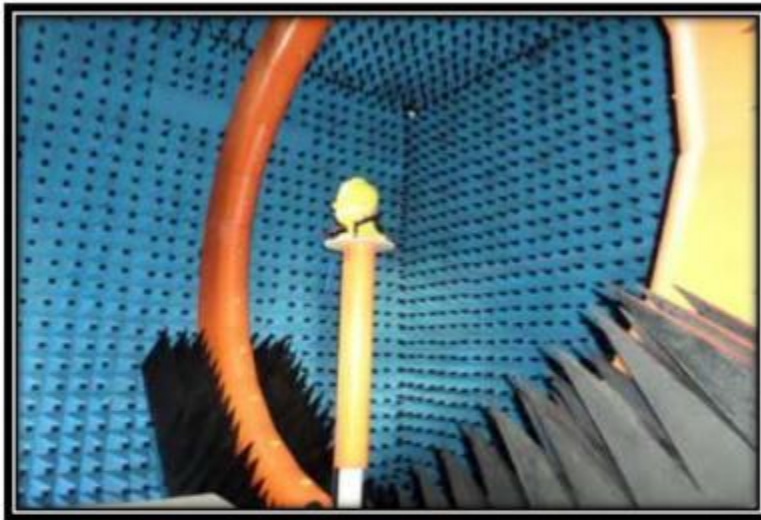
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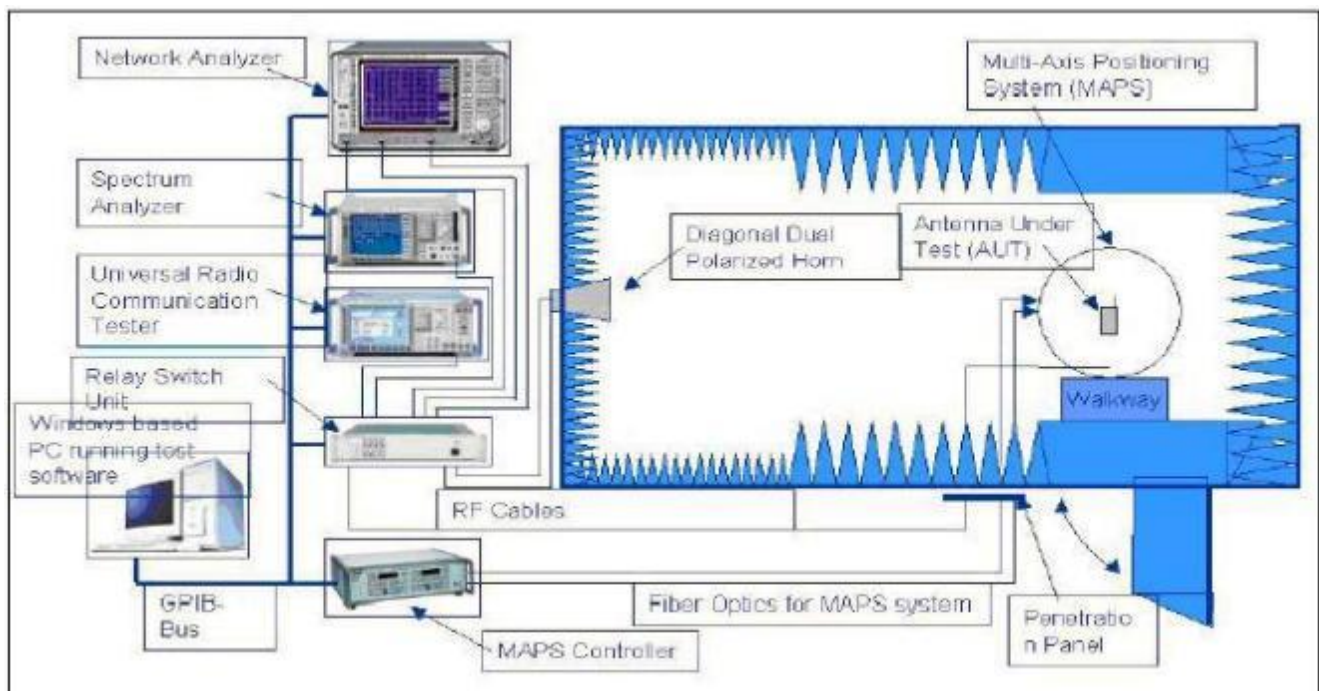
1. Test equipment



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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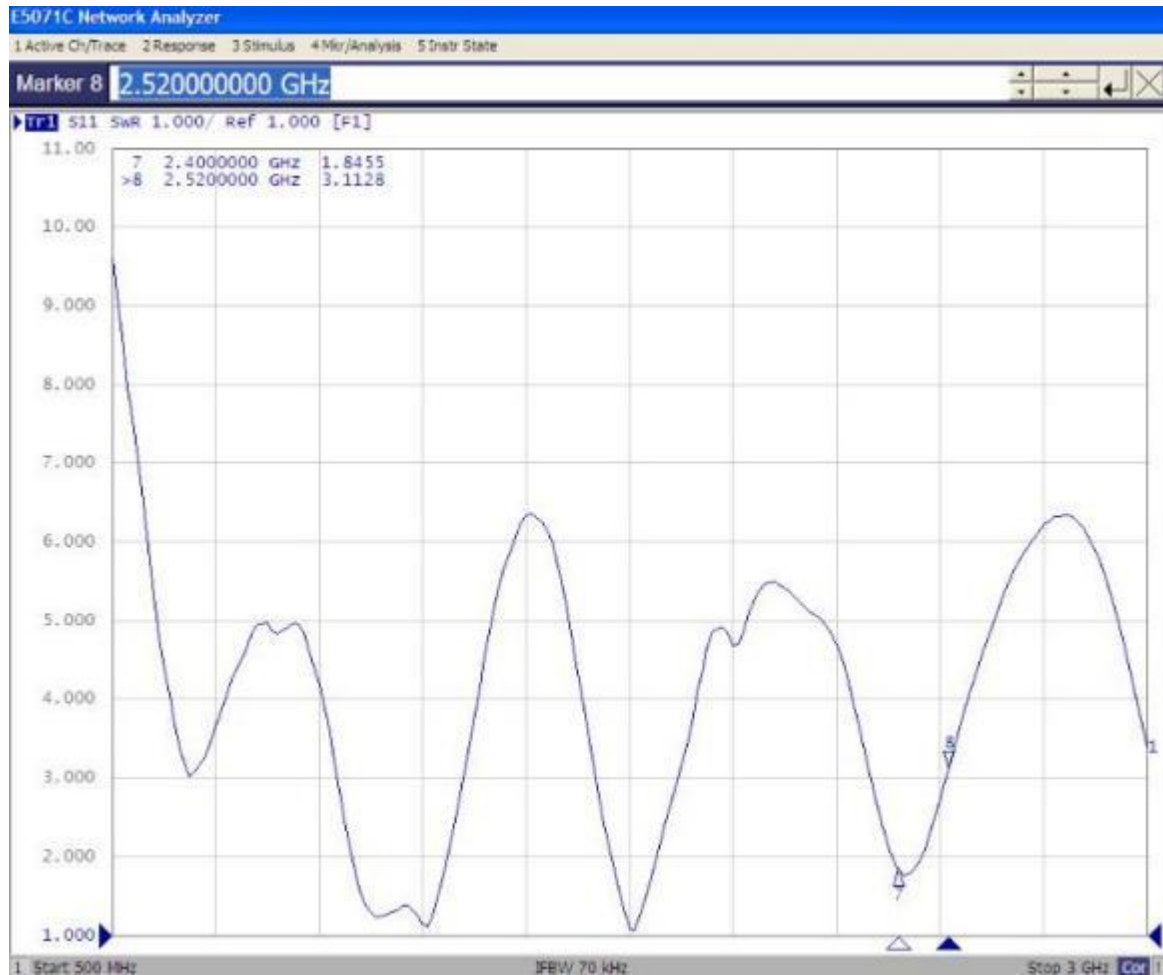
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2.Antenna test data

2-1 VSWR



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2-2 No-source test data

Frequency (MHz)	Gain (dBi)	Efficiency(%)	Frequency (MHz)	Gain (dBi)	Efficiency(%)
2400.0	5.23	74.36	5150.0	5.05	68.02
2410.0	4.88	68.30	5200.0	5.15	68.45
2420.0	4.69	67.38	5250.0	5.51	66.78
2430.0	4.90	73.19	5300.0	5.46	60.79
2440.0	5.06	75.47	5350.0	5.84	62.05
2450.0	4.96	74.02	5400.0	5.85	61.99
2460.0	4.78	72.45	5450.0	4.99	66.41
2470.0	4.34	67.31	5500.0	5.40	63.75
2480.0	4.07	66.79	5550.0	5.87	62.77
2490.0	4.09	71.34	5600.0	4.73	67.82
2500.0	4.00	71.04	5650.0	5.66	72.55
			5700.0	5.36	67.74
			5750.0	6.80	75.34
			5800.0	6.57	73.22



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2-3 Environment treatment



WIFI同轴线摆放如图



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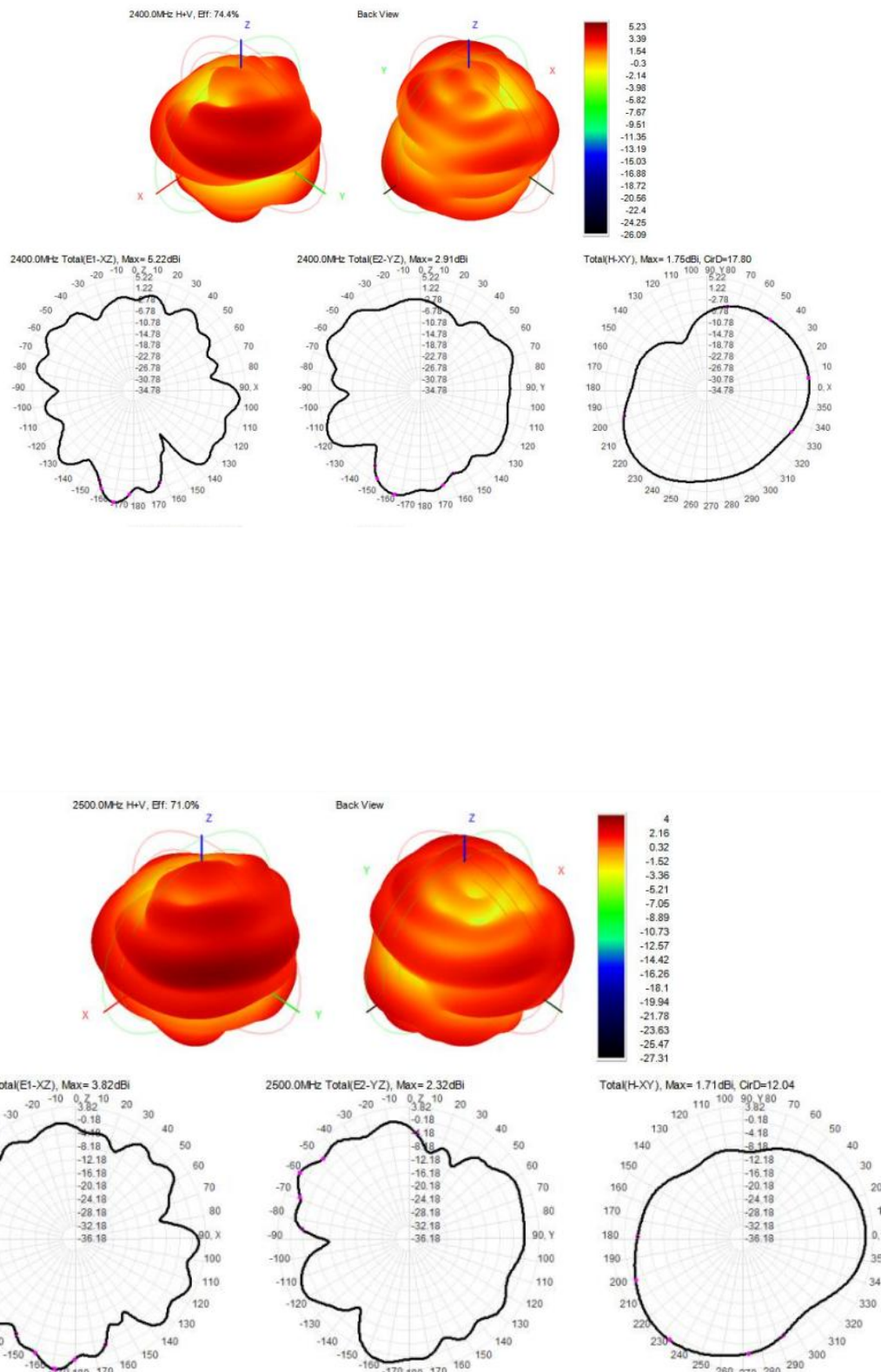
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2-4 3D radiation drawing



3-1 Mechanical Configuration (天线组件)



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4.Size report

5.Salt-Spray test

6.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: $90 \sim 95\% \text{RH}$ 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: $0\% \text{RH}$ 3.Time:48hrs	The VSWR, Gain, Radiation Pattern must be met specifications after these test.

7.The packing way



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福州中天迅通信技术有限公司 ZHONGTIAN XUN Communication Technology Co., Ltd.		作业指导书					
产品名称	产品型号	文件编号	版本	工序号/名称	工序工时	日产量	
天线	LH16-WIFI	ZTX-QD-WI-023	A1	包装	/	/	
 图1: 每50pcs装/袋  图2: 每5小袋/装1大袋  图3: 装箱  图4: 贴外箱标签, 封箱		作业方法 (自检验工序作业合格后, 方能流入下一道工序) 50pcs采用泡棉整齐、橡皮筋包扎, 每 (50pcs) 产品用PE封口袋包装; - 将每袋5小袋 (50pcs), 装入大PE封口袋中 (500PCS), 尾数除外; - 在外箱装好 (500PCS)的PE袋上贴小标签, 填写产品名称、物料号、数量、周期等信息; - 在装好产品的箱子将标签贴于外箱的右上角, 标签内容包括 (生产家, 型号, 产品名称, 客户编码, 数量, 订单号, 日期, QA检验, 客户所提供月份标RoHS等) 不可有漏写, 写错现象 - 将贴好标签的箱子用胶纸以“工”字型封箱					
		物料编号		物料名称及规格		用量	工/夹装治具
							电子称
修订内容		修订日期					修订人
版本							
A1	制定						
制订	胡小良	审核	易爱玲	品质确认	胡春梅	批准	刘玉威

