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SPECIFIC ATIONS FOR APPROVAL

Customer Name: 尖锋

Product Name: WIFI 天线 80

Product Model: SW750M-JH

Part Number: N12-2985-R0A

Write By : 邓美玲

Issued Date: 2015-11-25

CUSTOMER

ENGINEER R&D DEPT	BUSSINESS DEPT	APPROVED BY

SOUTHSTAR

R & D D E P T	ENGINEER R&D DEPT	APPROVAL



目 录

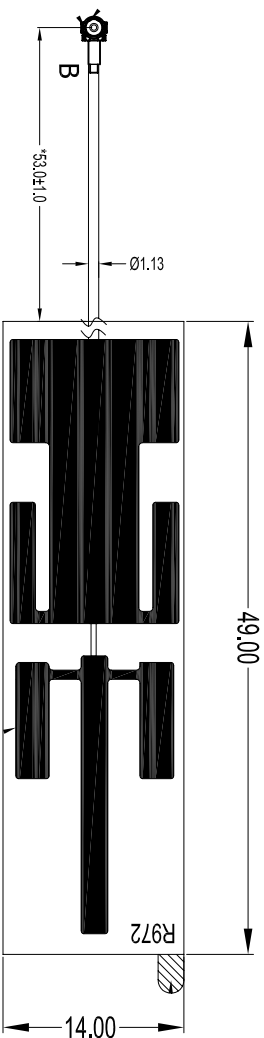
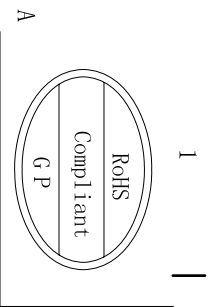
Index

一、 封面 (Cover)	1
二、 目录 (Index)	2
三、 基本参数 (The basic parameters)	3
四、 工程图纸 (Product Drawing)	4
五、 测试设备 (Test Equipment & Conditions)	5
六、 性能测试报告 (Test Report)	6
七、 安装方式 (Installation method)	7

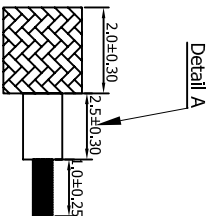
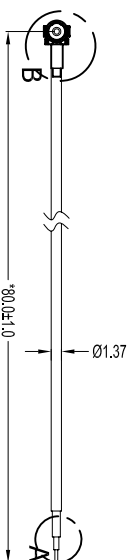


The basic parameters:

A. Electrical Characteristics	
Frequency	2400 MHz ~2500 MHz
VSWR	< 2
Efficiency	>50%
Impedance	50 Ohm
Polarization	Linear
Gain	>-0.3dbi
B. Material & Mechanical Characteristics	
Material of Radiator	PCB yellow
Cable Type	Φ 1.37mm black
Connector Type	一代端子
Dimension	
C. Environmental	
Operation Temperature	-10 °C ~ + 50 °C
Storage Temperature	- 30 °C ~ + 85 °C



端于口朝上



备注

1. 标注“*”为重点尺寸, 未标公差尺寸按照 ± 0.15 检测
2. 未标注尺寸请依图纸。

深圳南斗星科技有限公司									
SHEN ZHEN SOUTHSTAR CO., LTD									
2. 未标注尺寸请依图纸。									
3. 符合ROHS									
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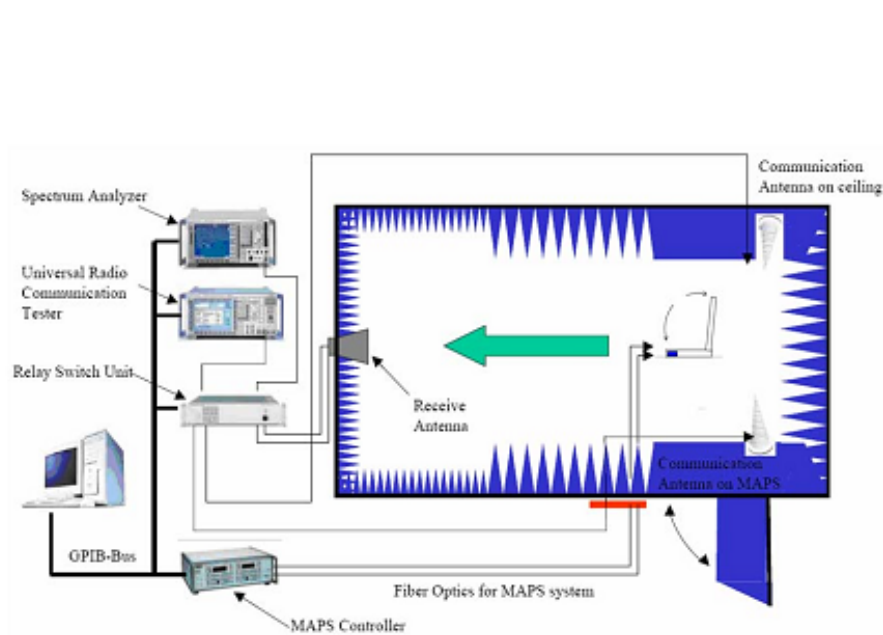


Test Equipment & Conditions

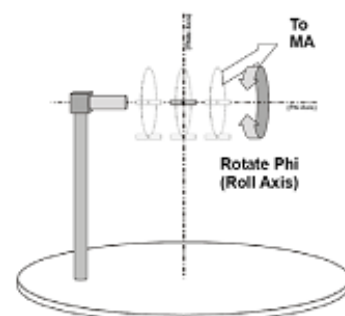
1. Network Analyzers :

Agilent 8753D 5071B

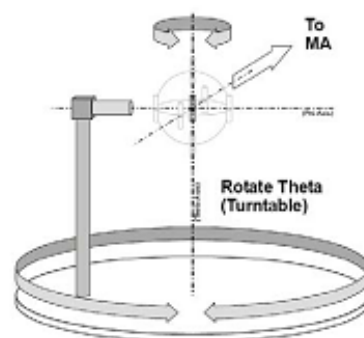
2. 3D Chamber Test System



(Testing by 3D anechoic chamber)



Phi axis test



Theta axis test



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Antenna Impedance: S11 (parameter)





2.4G

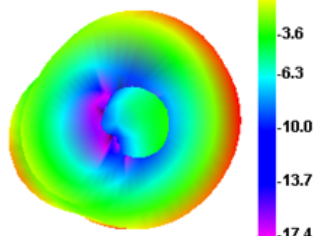
Total Efficiency/GAIN:

2.4G效率增益

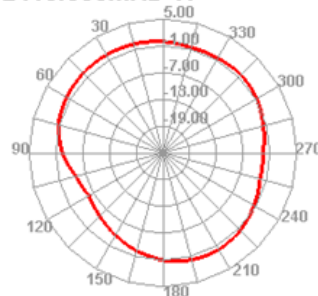
Freq (MHz)	Effi (%%)	Gain (dBi)
2390	61.72	1.77
2400	59.63	1.59
2410	51.62	1.02
2420	53.66	1.03
2430	58.27	1.2
2440	59.58	1.31
2450	64.77	1.67
2460	66.76	1.87
2470	71.63	2.21
2480	65.92	1.85
2490	65.33	1.8
2500	68.98	2.07

2.4g频段2410mhz3d方向苹果图

2410.000MHz

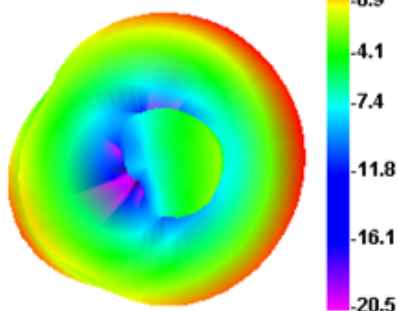


2410.000MHz H

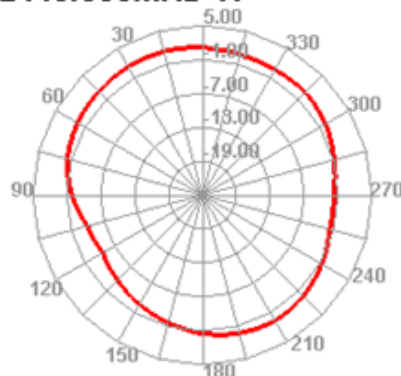


2440mhz频点苹果图

2440.000MHz

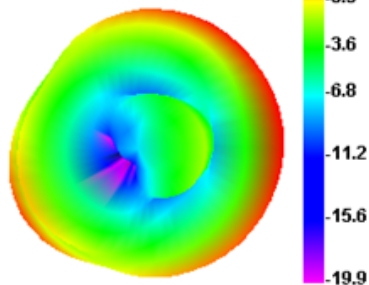


2440.000MHz H

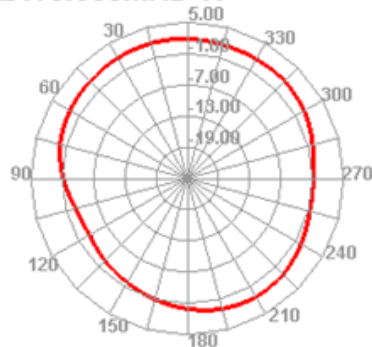


2460mhz频点苹果图

2460.000MHz



2460.000MHz H



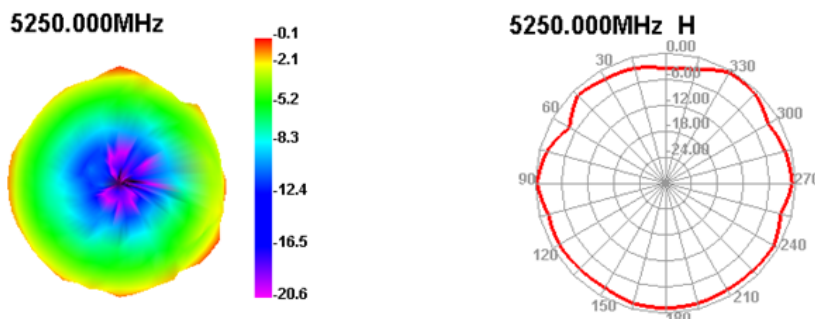


5.8G

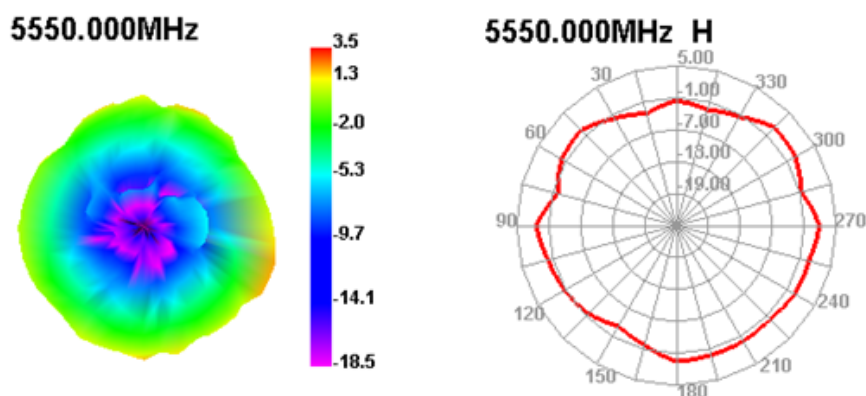
Total Efficiency/GAIN:

Freq (MHz)	Effi (%)	Gain (dBi)
5150	64.63	1.57
5170	60.09	1.37
5190	70.6	2.11
5210	46.34	0.35
5230	52.06	1.34
5250	37.4	-0.09
5270	51.82	1.27
5290	38.63	0.25
5310	49.16	1.38
5330	50.96	1.7
5350	73.6	3.42
5370	74.18	3.86
5390	81.71	3.73
5410	76.29	3.83
5430	73.55	3.52
5450	68.14	3.29
5470	69.08	3.16
5490	65.59	3.16
5510	68.16	3.47
5530	74.42	3.98
5550	67.45	3.47
5570	79.65	4.33
5590	78.69	4.21
5610	80.2	4.54
5630	72.44	3.79
5650	70.87	3.66
5670	59.05	2.77
5690	57.78	2.48
5710	49.72	1.71
5730	63.4	2.51
5750	61.5	2.48
5770	68.96	3.05
5790	84.77	-0.72
5810	81.37	-0.9
5830	81.64	-0.33
5850	81.58	-0.88

5.8g频段频点5250mhz方向3d苹果图



频点5500mhz3d苹果图



5790mhz方向苹果图

