

深圳市南斗星科技有限公司



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SPECIFICATIONS FOR APPROVAL

Customer Name: 智微

Product Name: WiFi 天线

Product Model: H052

Part Number: N12-4304-R0A

Written By : 李娜

Issued Date: 2018-04-23

CUSTOMER

ENGINEER R&D DEPT	BUSSINESS DEPT	APPROVED BY

SOUTHSTAR

R & D DEPT	ENGINEER R&D DEPT	APPROVAL



目 录

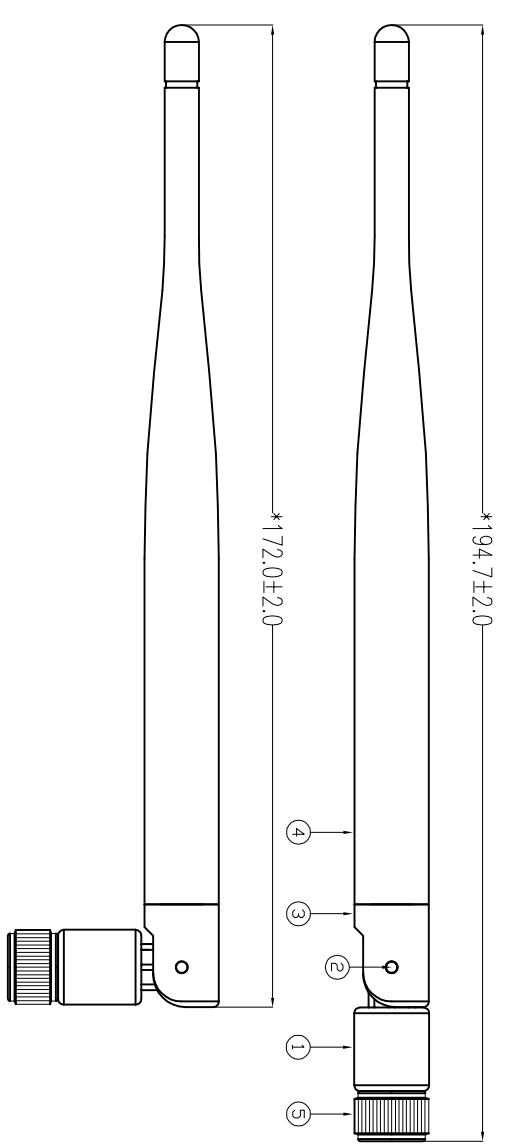
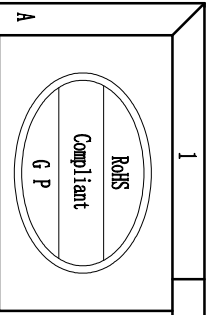
Index

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)	6-7
七、 安装方式 (Installation method)	8
八、 包装方式 (Packing method)	9



基本参数(The basic parameters)

A. Electrical Characteristics	
Frequency	2400MHZ~2500MHZ 5150MHZ~5850MHZ
VSWR	< 3
Efficiency	2.4G>60% 5G>49%
Impedance	50 Ohm
Polarization	Linear
Gain	2.4G:5.91dBi 5G:2.3 dBi
B. Material & Mechanical Characteristics	
Material of Radiator	外置天线
Cable Type	
Connector Type	
Dimension	
C. Environmental	
Operation Temperature	- 10 °C ~ + 50 °C
Storage Temperature	- 30 °C ~ + 85 °C



备注:
 1. 标注"*"为重点尺寸,未标公差尺寸按照±0.20检测
 2. 未标注尺寸请依图纸。
 3. 符合ROHS

Rev		1	2	3	4	5	6	7	8
Description									
Date									
Remark									
Location		N/A							
Project		H052		Date		2018-03-30			
PartName		WIFI天线-SMA		Designed by					
Part No.		M12-4304-R0A		Checked by		雷双露			
Material		N/A		RF		李娜			
dwg No.		M12-4304-R0A		Approved by					
Unit		mm		Scale		1:1		Rev	
								A	

No.	Name	Material	Color	Treatment	Amount	Remark
5	SMA头	母头,母针	黑色		1	
4	套杆	TPPE	黑色		1	
3	上固定座	PC+PBT	黑色		1	
2	固定柱	POW	黑色		2	
1	底座	PC+PBT	黑色		1	

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 SHEN ZHEN SOUTHSTAR CO., LTD

Third Angle			
9~10	±0.2		
10~18	±0.5		
18~30	±0.8		
30~40	±1.0		
40~	±2.0	Angle ±0.5°	

测试设备(Test Equipment & Conditions)

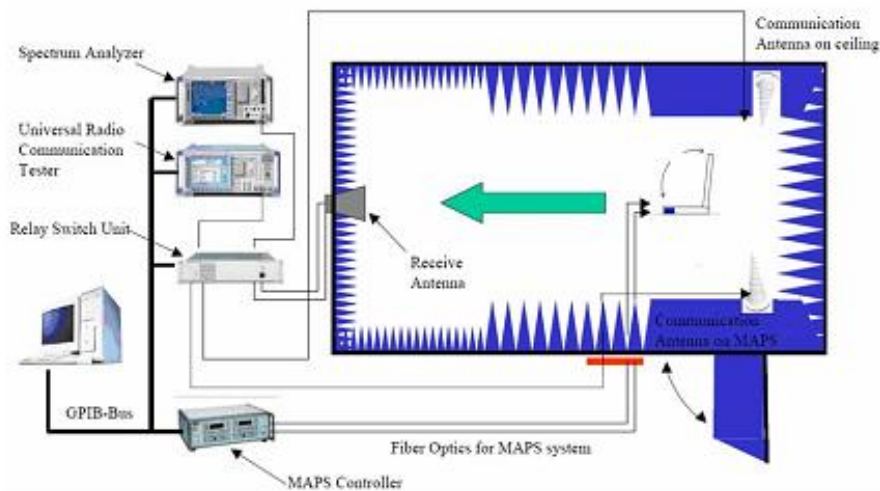
1. Network Analyzers :

Agilent 8753D 5071B

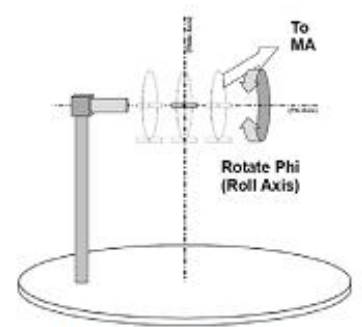
2. Communications Test Set:

CMW500

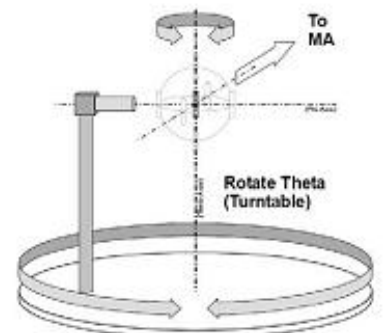
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



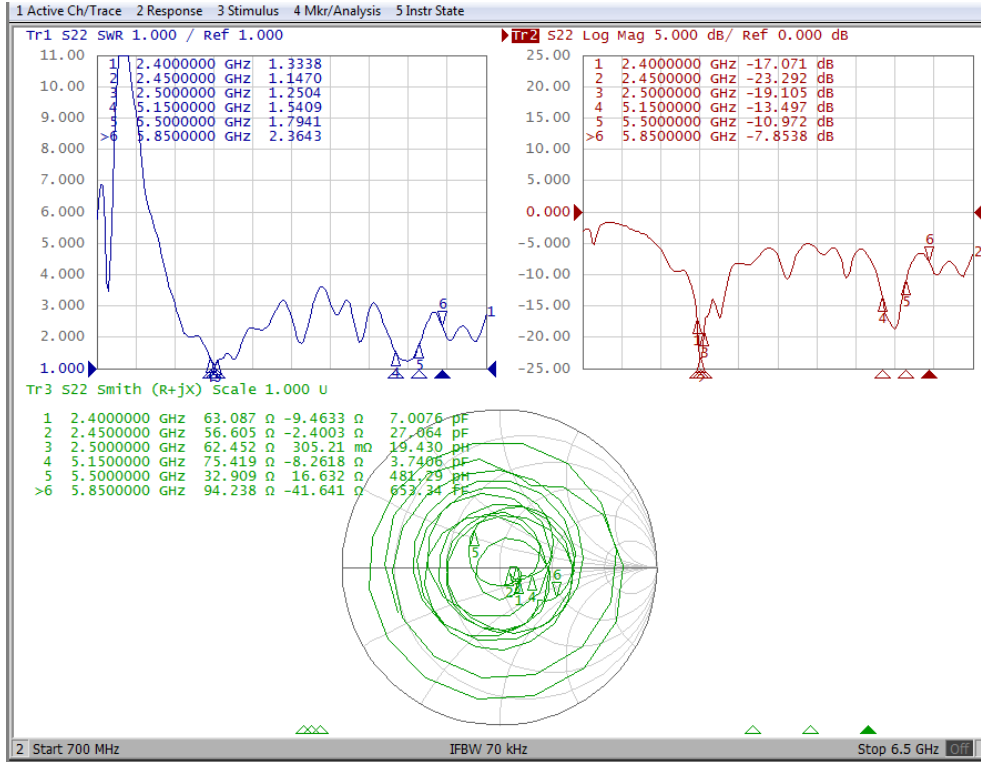
Phi axis test



Theta axis test



Antenna Impedance: S11 (parameter)



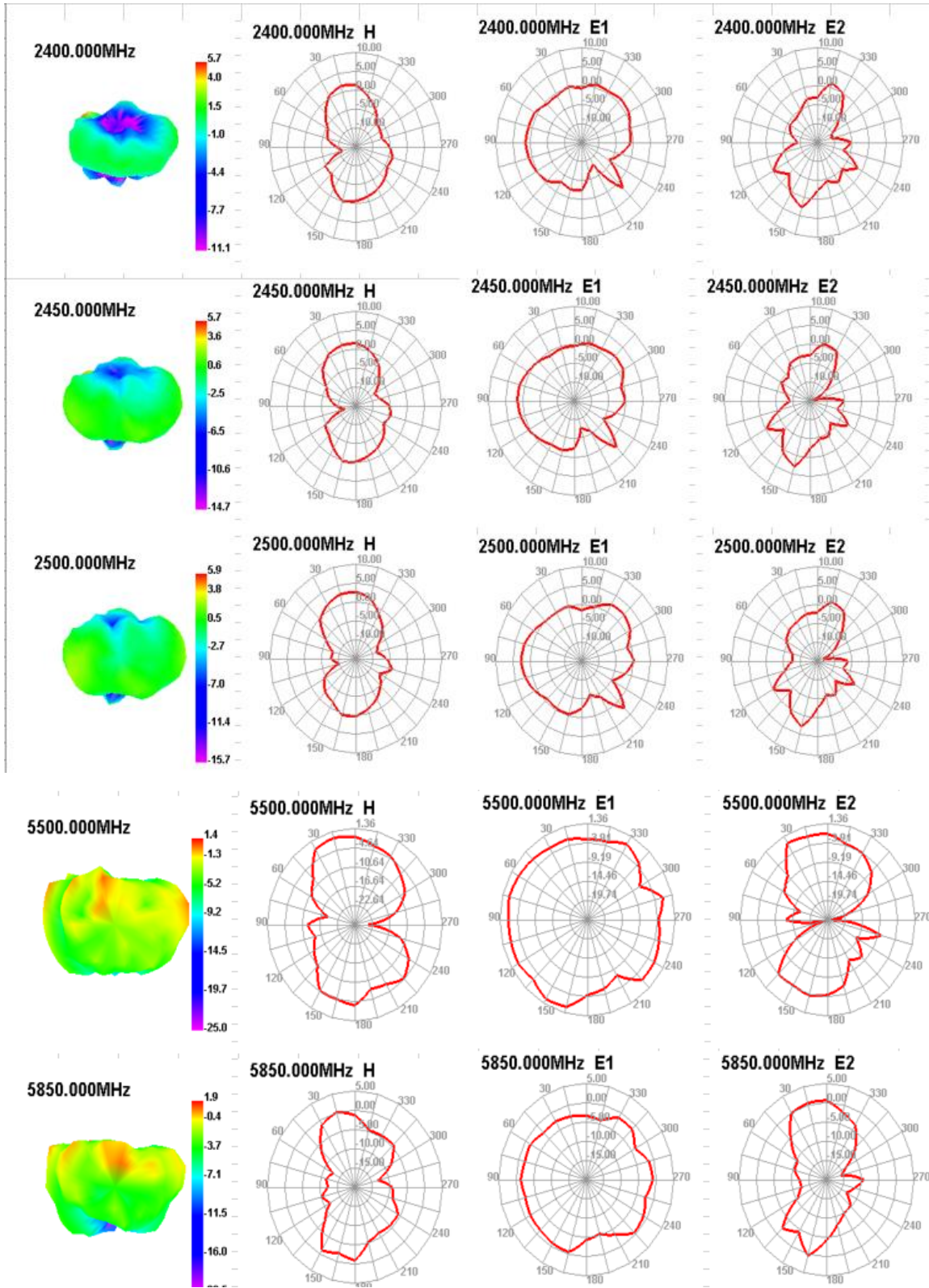
效率&增益(Efficiency & gain):

Freq (MHz)	Effi (%)	Gain (dBi)
2400	67.08	5.71
2410	64.05	5.46
2420	64.47	5.48
2430	66.59	5.56
2440	68.98	5.67
2450	69.63	5.66
2460	67.13	5.53
2470	64.74	5.4
2480	67.85	5.6
2490	73.51	5.87
2500	75.87	5.91

Freq (MHz)	Effi (%)	Gain (dBi)
5150	50.46	0.67
5200	51.68	1.14
5250	51.39	0.72
5300	52.19	0.73
5350	55.34	1.39
5400	53.67	2.25
5450	51.24	2
5500	50.56	1.36
5550	51.23	1.76
5600	51.32	2.01
5650	52.29	2.3
5700	50.19	1.77
5750	49.1	1.67
5800	50.16	1.32
5850	51.58	1.86



天线3D辐射图(Antenna 3D radiation pattern):





安装方式(Installation method):

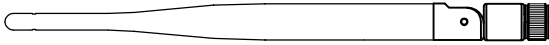


版本: A

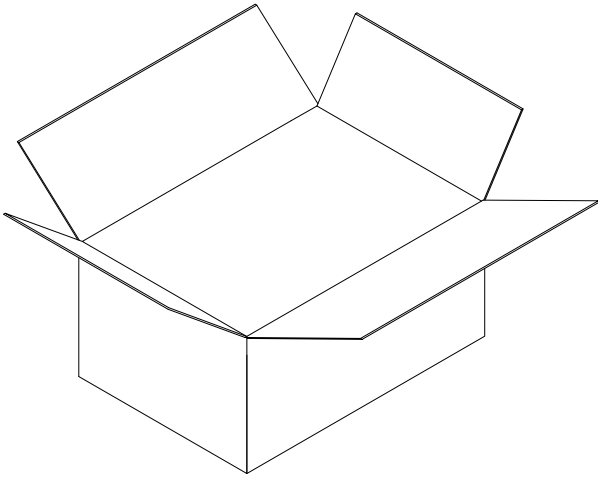
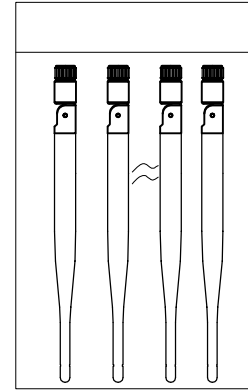
成品名称 :H052 WIFI/SMA外置天线

客户: 先冠

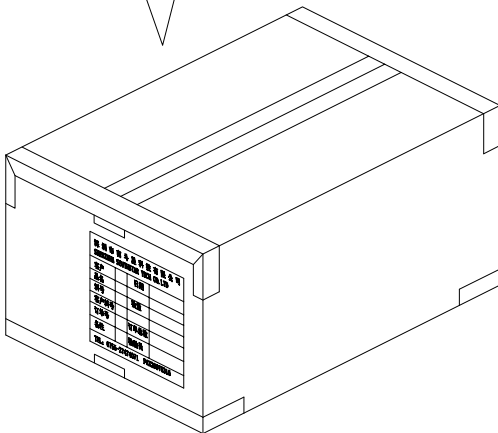
一: 成品天线



二: 用PE袋50PCS一包



四: 箱内放置干燥包, 一箱**700PCS**成品天线
(以实际包装为准)



五: 封箱,外箱贴我司生产标签和
ROHS标签.

批准: _____

确认: _____

拟制: 雷双露