

承认书

APPROVAL SHEET

样品封订

客户名称 Customer Name

GGEC

产品型号 Product Model

B00MBOX3 PRO - WIFI-0

客户料号 Customer P/N

南斗星料号 SouthstarP/N

3. N204. 0249

制作日期 Production date

2022-04-03

封样版本 Sample Version

A 版

南斗星 (Southstar)		
编制 (FICTION)	品质 (DQE)	研发 (R&D)
客户 (Customer)		
采 购 (PUR)	品质 (QC)	研发 (R&D)

生产厂商：深圳市南斗星科技有限公司

深圳地址：深圳市宝安区西乡鹤州恒丰工业城C6栋8. 10. 16楼

Shenzhen Address: 8.10.16 Floor, Building C6, Hengfeng Industrial

City, Hezhou, Xixiang, Baoan District, Shenzhen

东莞地址：东莞市虎门镇赤岗南坊一路三号

Dongguan Address: No. 3 Chigang Nanfang Road, Humen Town, Dongguan

City

电 话：0755-27474071 传真：0755-29976316

网 址：WWW.SZ-SOUTHSTAR.COM

南斗星科技香港有限公司

SOUTH STAR TECHNOLOGY HONG KONG COMPANY LIMITED

承认书变更履历

版 本	日 期	变 更 描 述	备 注
Rev. 01	2022. 04. 03	初 版	

目 录

Index

一、封面（Cover）.....

二、版本记录.....

三、目录（Index）.....

四、基本参数（The basic parameters）.....

五、工程图纸（Product Drawing）.....

六、测试设备（Test Equipment & Conditions）.....

七、性能测试报告（Test Report）.....

八、安装方式（Installation method）.....

九、包装方式（Packing method）.....

1

2

3

4

5

6

7-8

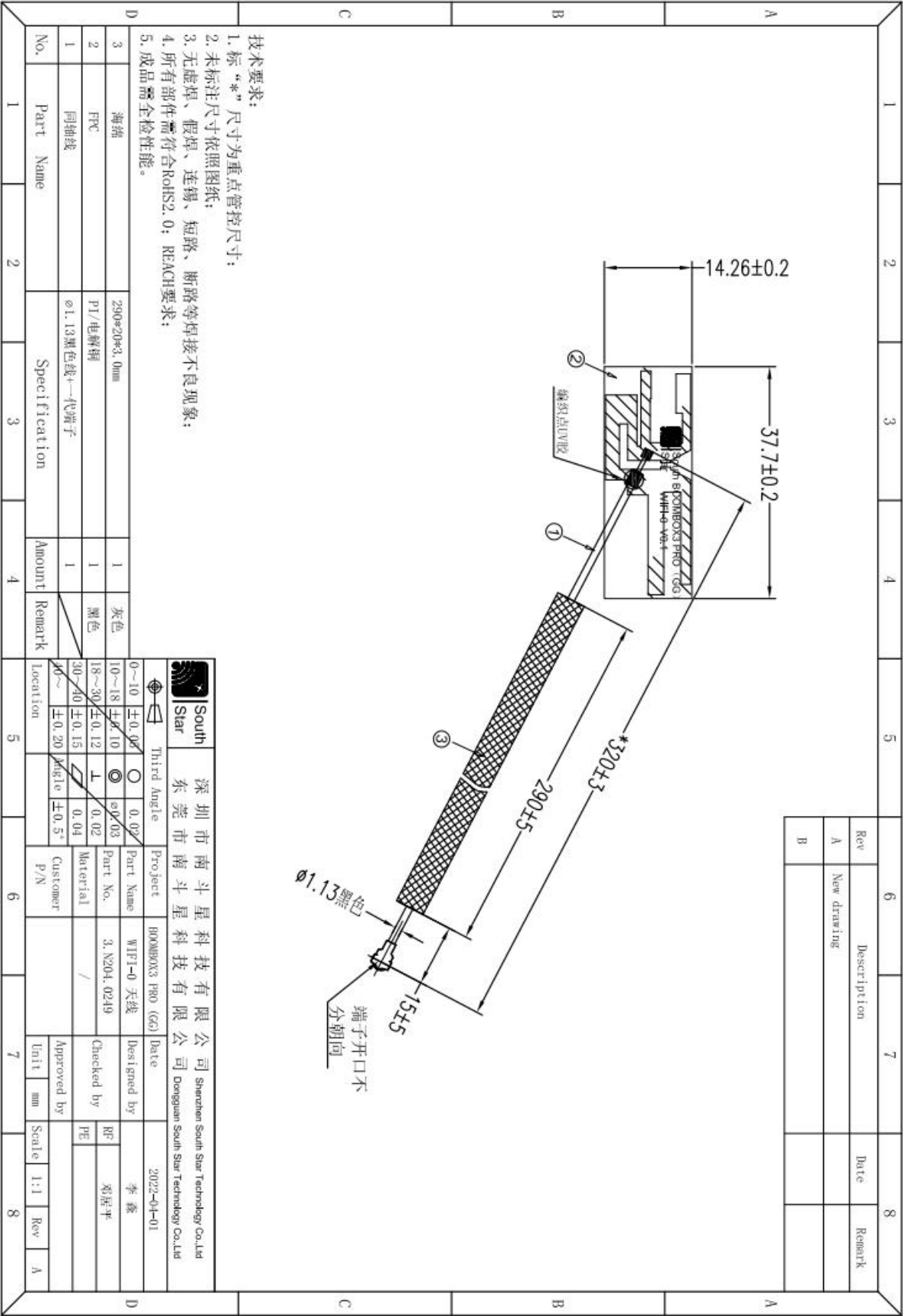
9

10

基本参数(The basic parameters)

A. Electrical Characteristics	
Frequency	2400MHZ~2500MHZ 5150MHz~5850MHz
VSWR	< 2
Avg Efficiency	>50%
Impedance	50 Ohm
Polarization	Linear
Peak Gain	2.4G: 2.67dBi 5.8G: 2.95dBi
B. Material & Mechanical Characteristics	
Material of Radiator	FPC black
Cable Type	Ø 1.13mm black
Connector Type	
Dimension	
C. Environmental	
Operation Temperature	- 20 °C ~ + 60 °C
Storage Temperature	- 20 °C ~ + 80 °C

工程图纸(Product Drawing):

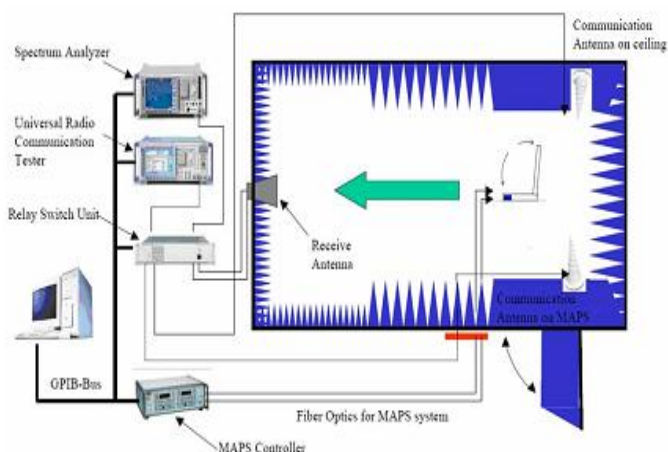


南斗星科技香港有限公司

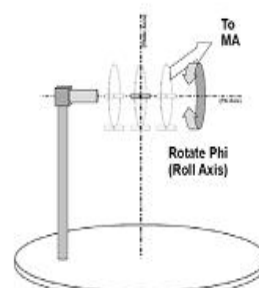
SOUTH STAR TECHNOLOGY HONG KONG COMPANY LIMITED

测试设备(Test Equipment & Conditions)

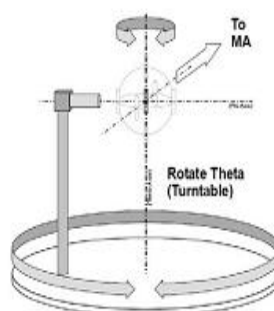
- 1.网络分析仪Network Analyzers : Agilent 5071C
- 2.综合测试仪Communications Test Set: Agilent E5515C CMW500
- 3.3D暗室测试系统 3D Chamber Test System



(Testing by 3D anechoic chamber)



Phi axis test



Theta axis test

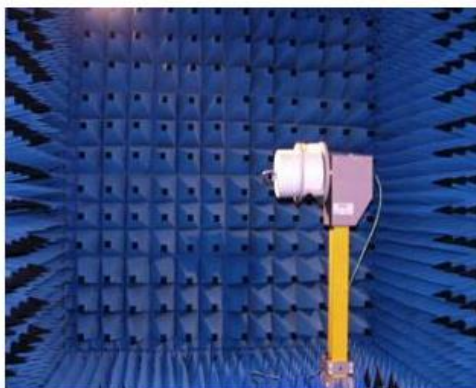
暗室规格: ETS-7 4 3

TD-SCDMA测试设备:StarPoint SP6010/Agilent 8960

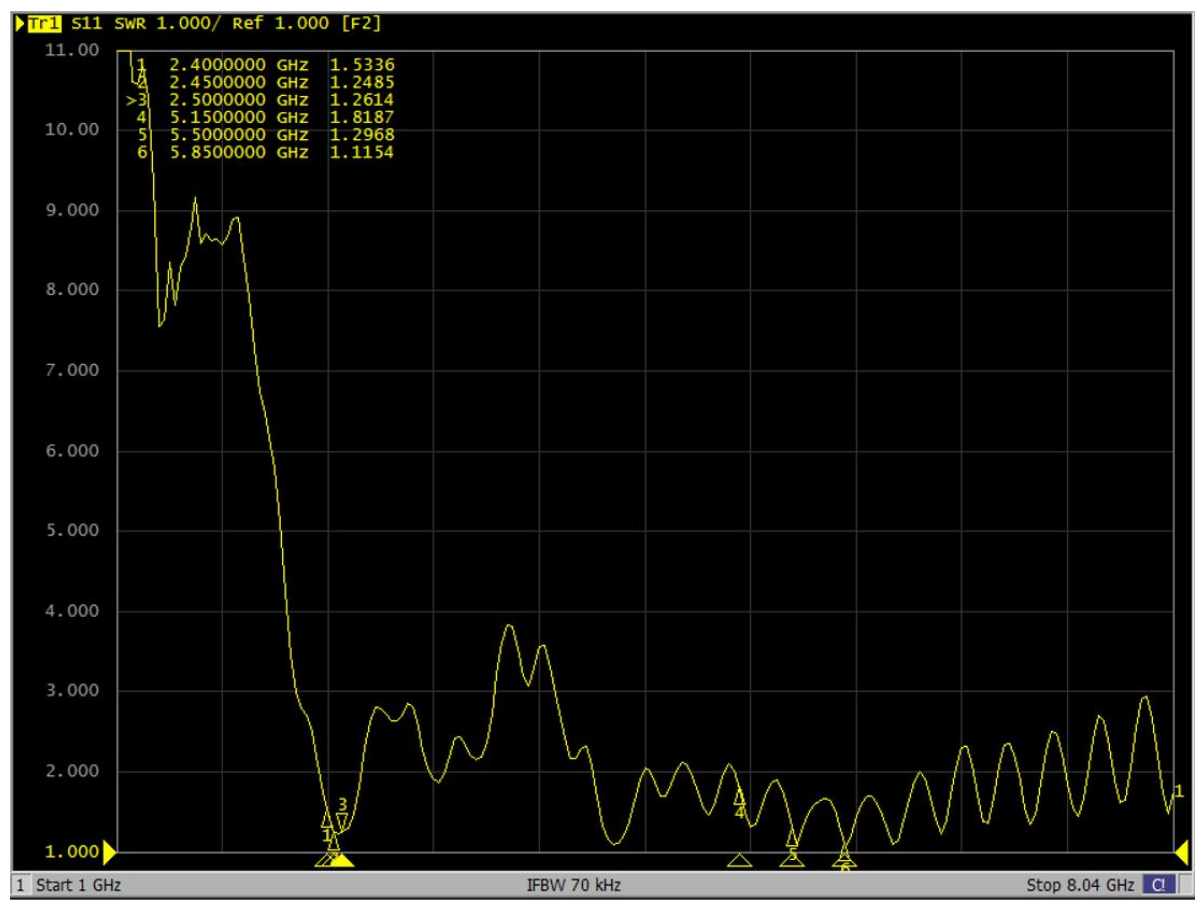
LTE-TDD/FDD-SCDMA测试设备:StarPoint SP8011 /CMW500

WCDMA/GSM/CDMA测试设备: Agilent 8960

无源效率测试设备: Agilent Technologies E5071B



Antenna Impedance: S11 (parameter)

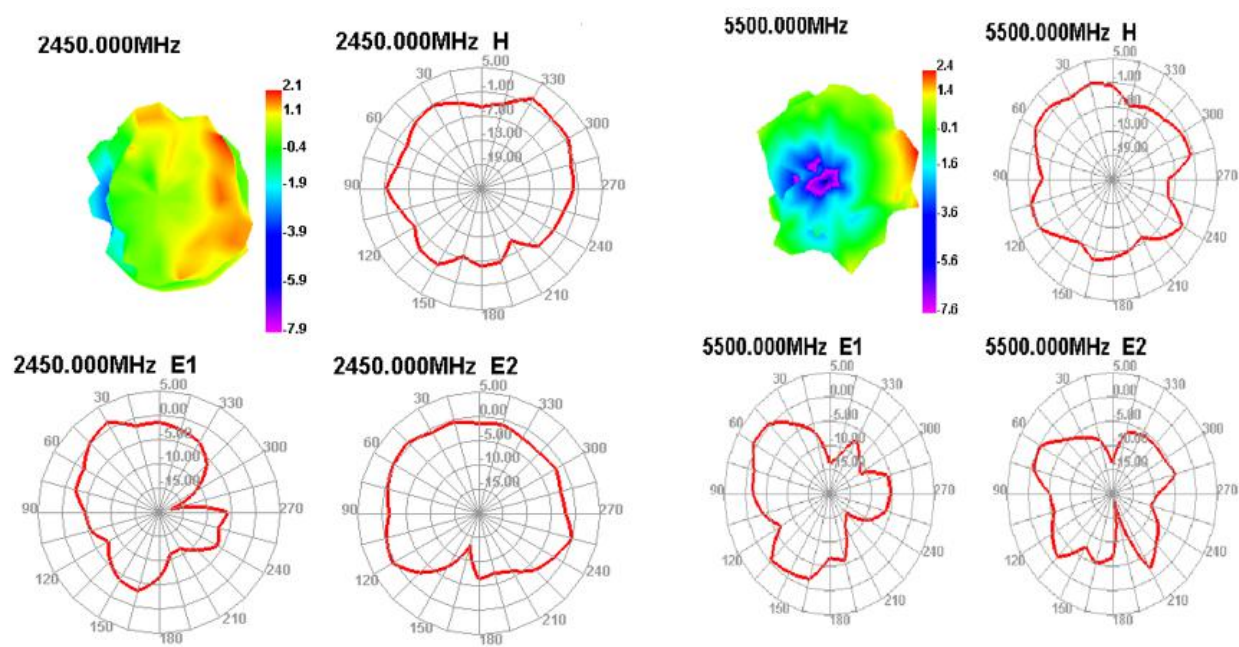
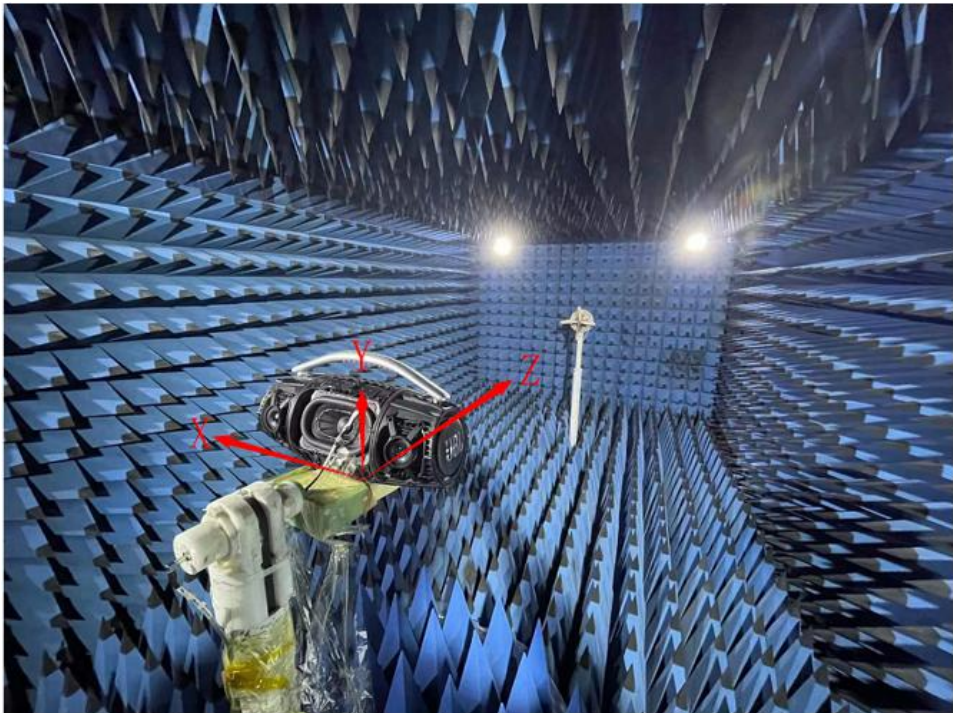


效率&增益(Efficiency & gain):

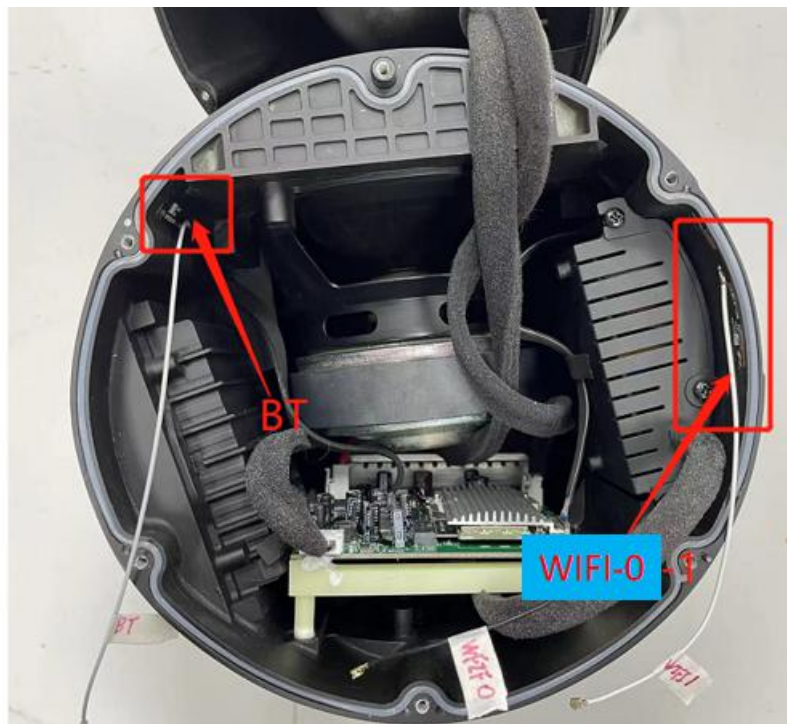
Passive Test For 2.4-WIFI		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	52.2	2.67
2410	51.09	1.81
2420	52.76	1.86
2430	53.43	2.56
2440	52.25	2.63
2450	52.79	2.11
2460	54.24	2.22
2470	51.75	1.99
2480	51.42	2.02
2490	51.8	2.02
2500	52.61	2.48

Passive Test For 5G		
Freq (MHz)	Effi (%)	Gain (dBi)
5150	52.07	2.74
5200	54.37	2.51
5250	54.95	1.9
5300	50.26	1.61
5350	50.13	1.65
5400	53.61	2.13
5450	53.54	2.15
5500	53.43	2.36
5550	55.97	2.95
5600	56.52	2.91
5650	52.73	2.33
5700	51.56	1.98
5750	53.63	1.9
5800	57.24	2.5
5850	55.29	2.36

天线辐射图(Antenna radiation pattern):



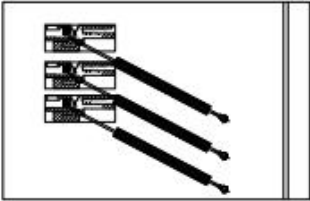
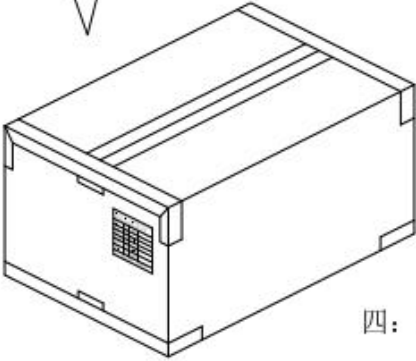
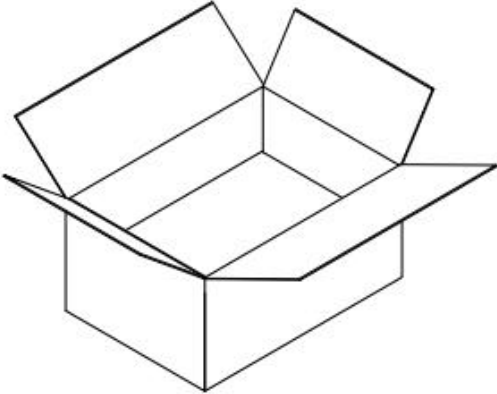
安装方式(Installation method):



南斗星科技香港有限公司

SOUTH STAR TECHNOLOGY HONG KONG COMPANY LIMITED

包装方式:

 South Star 产品包装规范					
日期: 2022-04-01 page: 1 of 1					
<table border="1"><tr><td>成品名称 : BOOMBOX3 PRO GG WIFI-0天线</td><td>版本: A</td></tr><tr><td colspan="2">客户: 国光</td></tr></table>		成品名称 : BOOMBOX3 PRO GG WIFI-0天线	版本: A	客户: 国光	
成品名称 : BOOMBOX3 PRO GG WIFI-0天线	版本: A				
客户: 国光					
一: 成品天线  二: 装袋, 每PE袋装50PCS产品, 端子使用珍珠棉包扎好。   三: 装箱, 每12袋装一箱, 一箱共600PCS产品(以实际包装为准)。 四: 封箱, 外箱贴我司生产标签和ROHS标签。					
批准: _____ 确认: _____ 拟制: 李森					