



承认书

APPROVAL SHEET

样品封订

客户名称 Customer Name 国光

产品型号 Product Model Charge 6

客户料号 Customer P/N EAN0041401

规格描述 Specifications BT 天线 (BT ANT)

南斗星料号 Southstar P/N 3. N204. 0415

制作日期 Production date 2024. 8. 21

制作版本 Revision 3. 0

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)

制造厂商：南斗星科技香港有限公司 (Manufacturer: South Star Technology Hong Kong Co., Ltd)

办公地址：深圳市宝安区福海街道新和社区宝安大道 6099 号星港同创汇天枢座 803 (Office Address: Room 803, Xinggang Tongchuang Hui Tian Shu Building, No. 6099 Bao'an Avenue, Xinghe Community, Fuhai Street, Bao'an District, Shenzhen)

制造地址：广东省东莞市虎门镇赤岗南坊一路 3 号 (Manufacturing address: No. 3, Chigang Nanfang 1st Road, Humen Town, Dongguan City, Guangdong Province)

电话 (Telephone)：0755-27474071 0769-88086190



承认书变更履历

版本	日期	变更描述	备注
1.0	7.16	初版规格书	
2.0	8.14	增大点胶的面积, 去泡棉	
3.0	8.21	FPC 加厚 (一对半+补强)	

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基本参数 (The basic parameters)

A. 电性能Electrical Characteristics	
Frequency 频率	2400MHz~2500MHz
VSWR 电压驻波比	< 2
Efficiency 效率	>50%
Impedance 阻抗	50 Ohm
Polarization 极化	Linear
Peak Gain 最大增益	2.11dBi
Antenna type 天线类型	PIFA
B. 材料&物理性能Material & Mechanical Characteristics	
射频材料 Material of Radiator	FPC Black
射频线类型 Cable Type	1.13mm 线径 Black
接头类型 Connector Type	1 代端子
C. 环境 Environmental	
工作温度 Operation Temperature	- 30° C ~ + 65° C
存放温度 Storage Temperature	- 40° C ~ + 70° C

ADD: 广东省东莞市虎门镇赤岗南坊一路 3 号

测试设备 (Test Equipment & Conditions)

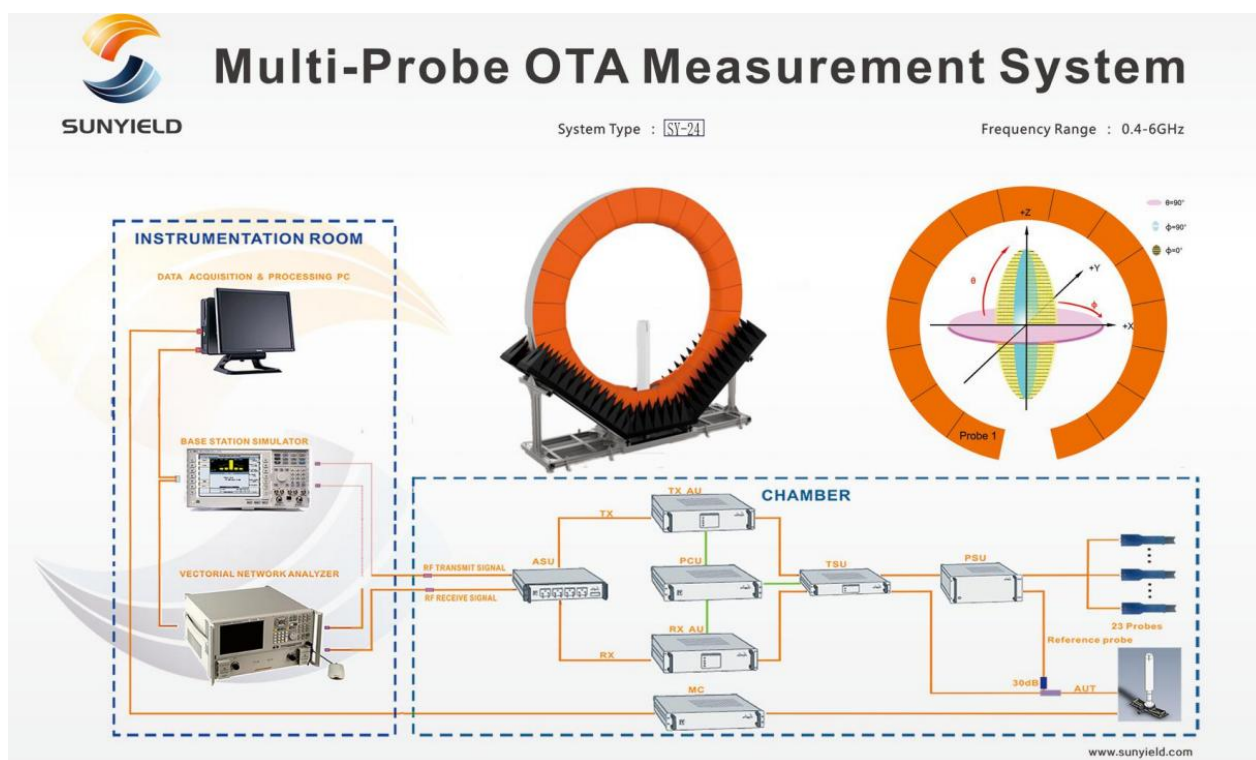
1. 网络分析仪 NetWork Analyzers:

Keysight E5071C

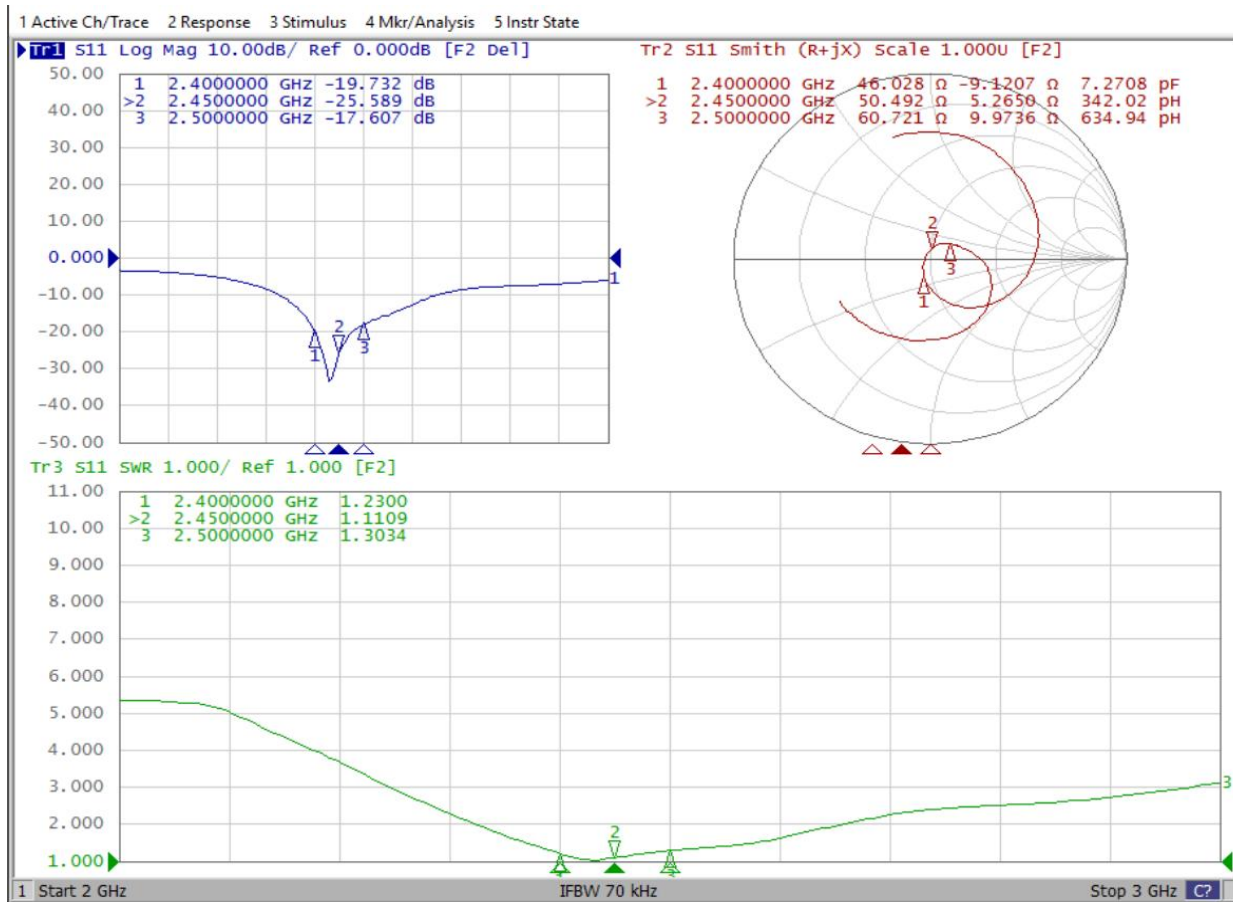
2. 综合测试仪 Comprehensive tester:

CMW500 、 MT8000A、 MT8862A

3. 3D 暗室测试系统 3D Chamber Test System:



天线阻抗Antenna Impedance: S11



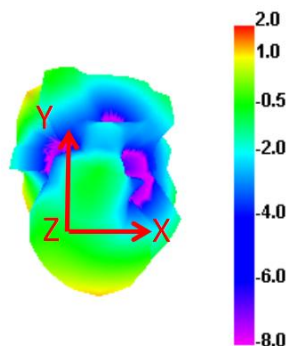
效率&增益Efficiency & Gain:

Freq (MHz)	Effi (%)	Effi (dB)	Peak Gain (dBi)
2400	56.51	-2.48	1.98
2410	56.58	-2.47	2.01
2420	55.75	-2.54	1.83
2430	55.87	-2.53	1.89
2440	56.12	-2.51	1.97
2450	55.93	-2.52	2.11
2460	55.21	-2.58	1.86
2470	54.59	-2.63	1.79
2480	54.27	-2.65	1.81
2490	53.92	-2.68	1.78
2500	54.77	-2.61	1.84

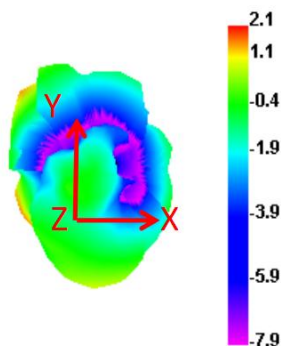
avg. 55.41

天线3D&2D方向图Antenna 3D & 2D pattern:

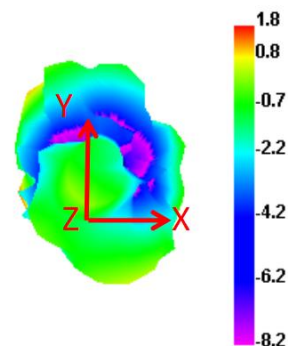
2400.000MHz



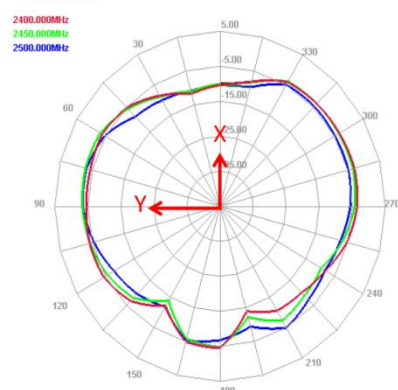
2450.000MHz



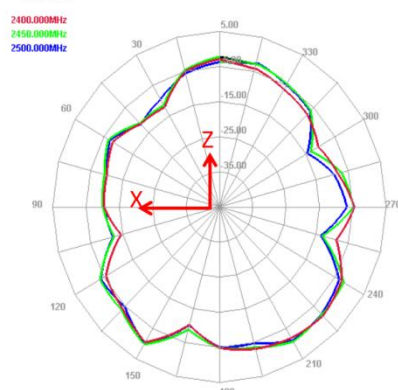
2500.000MHz



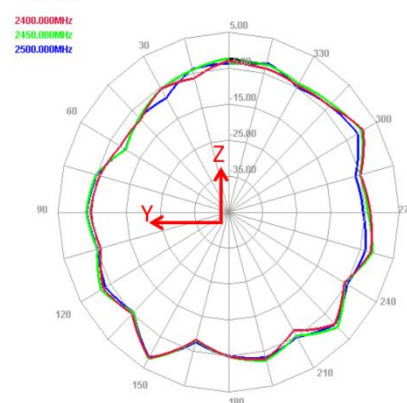
Horizontal



E1 Face



E2 Face



OTA:

标识2#

BR	信道	TRP	TIS	TX	RX
	0	6.29	-93.22	9	-94.5
	39	6.31	-93.36	9	-94.5
	78	6.44	-93.68	9.1	-94.5

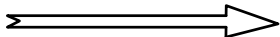
标识3#

BR	信道	TRP	TIS	TX	RX
	0	6.22	-93.19	9	-94.5
	39	6.48	-93.43	9.1	-94.5
	78	6.36	-93.59	9.1	-94.5

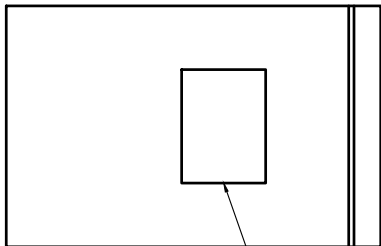
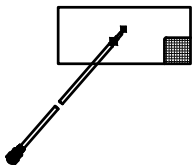


成品名称：Charge6天线	版本：A
	客户：国光

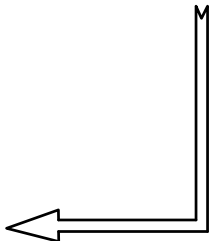
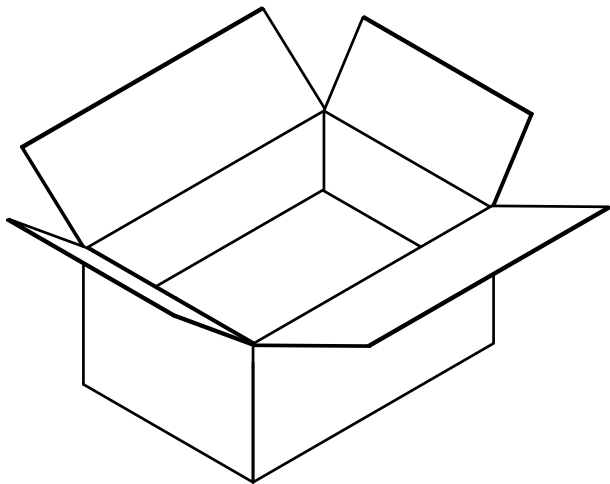
一：成品天线



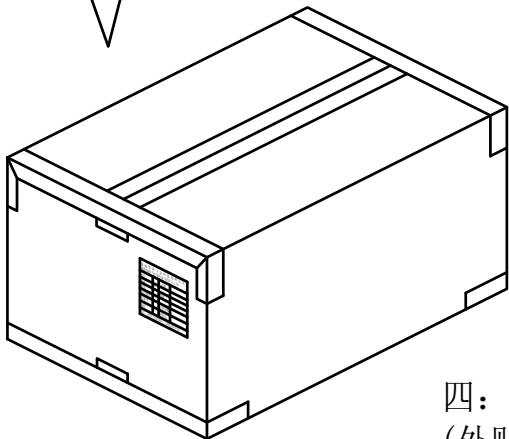
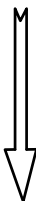
二：装袋，每PE袋装100PCS产品。



标贴



三：装箱(以实际包装为准)。



四：封箱，外箱贴我司生产标签
(外贴RoHS、无铅等标识)。