



样品封订

承认书

APPROVAL SHEET

客户名称 Customer Name 通力

产品型号 Product Model Live beam 3

客户料号 Customer P/N

规格描述 Specifications LDS 天线 (ANT-R)

南斗星料号 Southstar P/N 3. N203. 0047

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南斗星 (Southstar)		
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制造厂商：深圳市南斗星科技有限公司

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

制造地址：广东省东莞市虎门镇赤岗南坊一路 3 号

电 话：0755-27474071 0769-88086190

网 址：[//www.southstar-tech.com](http://www.southstar-tech.com)



承认书变更履历

版本	日期	变更描述	备注
1.0	9.22	初版规格书	



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基本参数(The basic parameters)

A. 电性能Electrical Characteristics	
Frequency 频率	2400MHz~2480 MHz
VSWR 电压驻波比	< 2.5
Efficiency 效率	>14%
Impedance 阻抗	50 Ohm
Polarization 极化	Linear
Peak Gain 最大增益	-2.26dBi
B. 材料&物理性能Material & Mechanical Characteristics	
射频材料 Material of Radiator	LDS 支架天线
射频线类型 Cable Type	N/A
接头类型 Connector Type	N/A
C. 环境 Environmental	
工作温度 Operation Temperature	- 30° C ~ + 65° C
存放温度 Storage Temperature	- 40° C ~ + 70° C

Technical drawing of a component, showing multiple views (front, side, top, and perspective) and dimensions. The drawing is divided into four quadrants (A, B, C, D) and includes a table of dimensions and a table of technical requirements.

Dimensions:

- Top view: *2.23, *23.63±0.1, 4.54, 22.53, R3, *5
- Side view: 1.3
- Front view: 1.3
- Perspective view: 1, R3

Table 1: Technical Requirements

Version	Description	Date	Remarks
△	新发文	2023-09-07	

Table 2: Dimensions

Item	Value
1	2.23
2	23.63±0.1
3	4.54
4	22.53
5	5
6	1.3
7	1.3
8	1.3

Table 3: Technical Requirements

Item	Value
1	2.23
2	23.63±0.1
3	4.54
4	22.53
5	5
6	1.3
7	1.3
8	1.3

Table 4: Technical Requirements

Item	Value
1	2.23
2	23.63±0.1
3	4.54
4	22.53
5	5
6	1.3
7	1.3
8	1.3

Table 5: Technical Requirements

Item	Value
1	2.23
2	23.63±0.1
3	4.54
4	22.53
5	5
6	1.3
7	1.3
8	1.3

Table 6: Technical Requirements

Item	Value
1	2.23
2	23.63±0.1
3	4.54
4	22.53
5	5
6	1.3
7	1.3
8	1.3

Table 7: Technical Requirements

Item	Value
1	2.23
2	23.63±0.1
3	4.54
4	22.53
5	5
6	1.3
7	1.3
8	1.3

Table 8: Technical Requirements

Item	Value
1	2.23
2	23.63±0.1
3	4.54
4	22.53
5	5
6	1.3
7	1.3
8	1.3

Table 9: Technical Requirements

Item	Value
1	2.23
2	23.63±0.1
3	4.54
4	22.53
5	5
6	1.3
7	1.3
8	1.3

Table 10: Technical Requirements

Item	Value
1	2.23
2	23.63±0.1
3	4.54
4	22.53
5	5
6	1.3
7	1.3
8	1.3

Table 11: Technical Requirements

Item	Value
1	2.23
2	23.63±0.1
3	4.54
4	22.53
5	5
6	1.3
7	1.3
8	1.3

Table 12: Technical Requirements

Item	Value
1	2.23
2	23.63±0.1
3	4.54
4	22.53
5	5
6	1.3
7	1.3
8	1.3

Table 13: Technical Requirements

Item	Value
1	2.23
2	23.63±0.1
3	4.54
4	22.53
5	5
6	1.3
7	1.3
8	1.3

Table 14: Technical Requirements

Item	Value
1	2.23
2	23.63±0.1
3	4.54
4	22.53
5	5
6	1.3
7	1.3
8	1.3

Table 15: Technical Requirements

Item	Value
1	2.23
2	23.63±0.1
3	4.54
4	22.53
5	5
6	1.3
7	1.3
8	1.3

Table 16: Technical Requirements

Item	Value
1	2.23
2	23.63±0.1
3	4.54
4	22.53
5	5
6	1.3
7	1.3
8	1.3

Table 17: Technical Requirements

Item	Value
1	2.23
2	23.63±0.1
3	4.54
4	22.53
5	5
6	1.3
7	1.3
8	1.3

Table 18: Technical Requirements

Item	Value
1	2.23
2	23.63±0.1
3	4.54
4	22.53
5	5
6	1.3
7	1.3
8	1.3

Table 19: Technical Requirements

Item	Value
1	2.23
2	23.63±0.1
3	4.54
4	22.53
5	5
6	1.3
7	1.3
8	1.3

Table 20: Technical Requirements

Item	Value
1	2.23
2	23.63±0.1
3	4.54
4	22.53
5	5
6	1.3
7	1.3
8	1.3

Table 21: Technical Requirements

Item	Value
1	2.23
2	23.63±0.1
3	4.54

测试设备 (Test Equipment & Conditions)

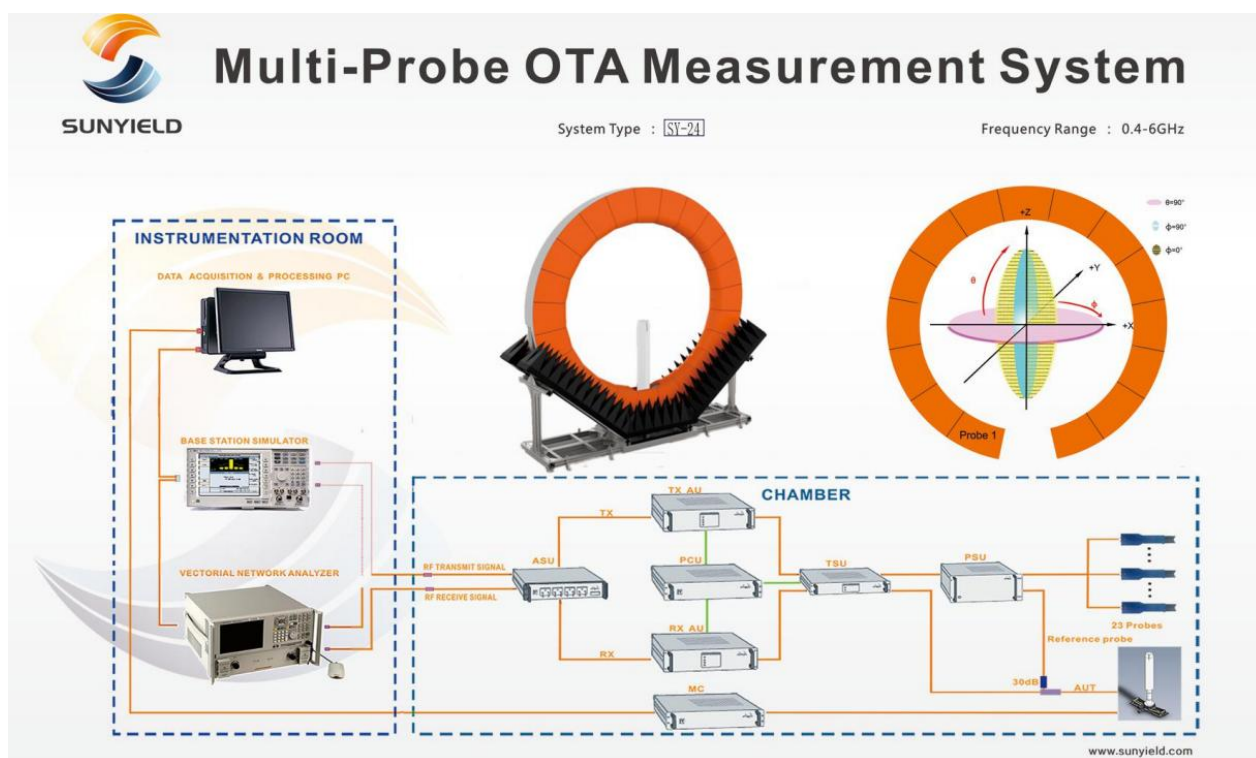
1. 网络分析仪 NetWork Analyzers:

Keysight E5071C

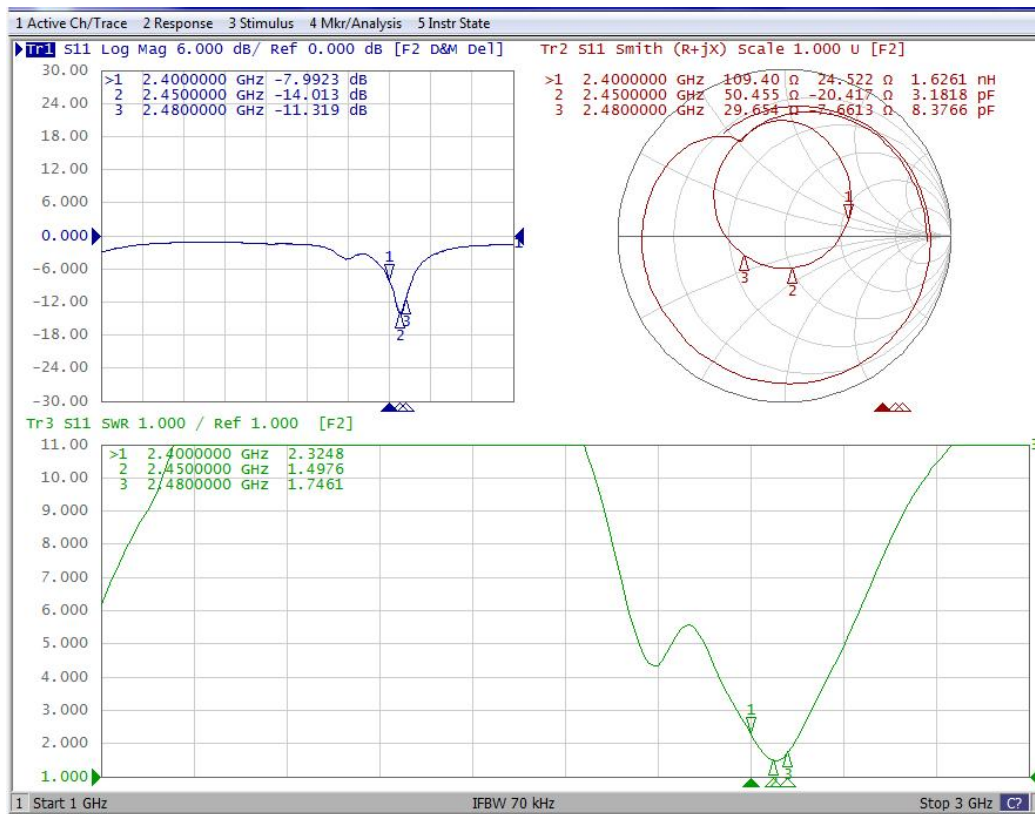
2. 综合测试仪 Comprehensive tester:

CMW500 、 MT8000A、 MT8862A

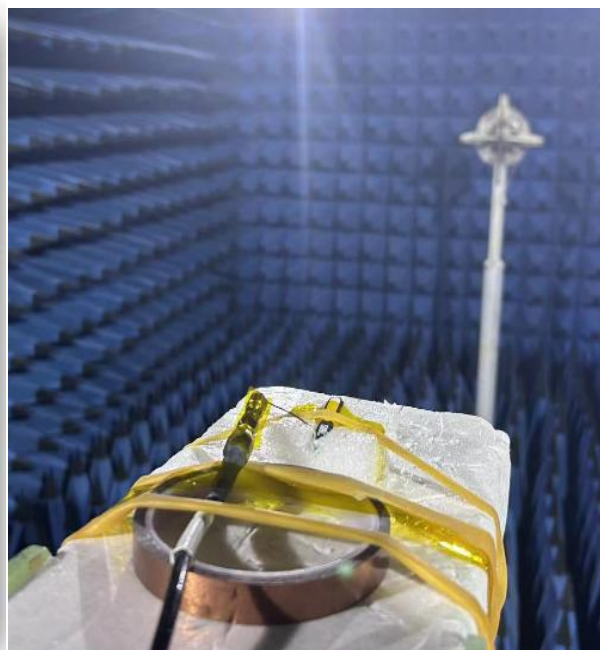
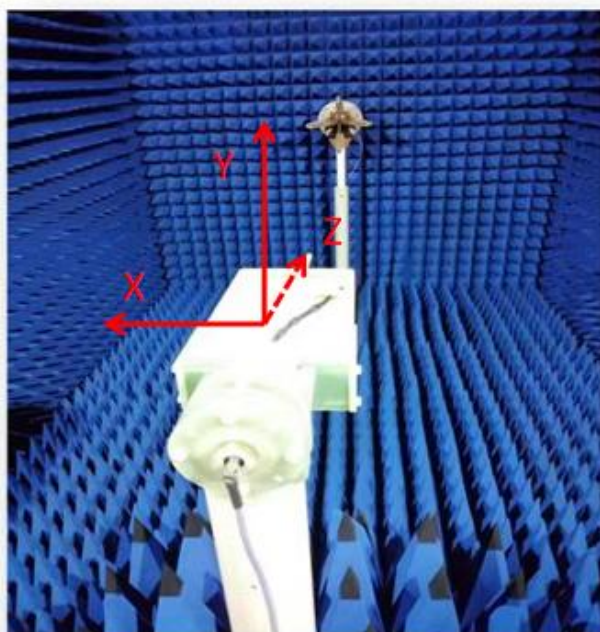
3. 3D 暗室测试系统 3D Chamber Test System:



天线阻抗Antenna Impedance: S11



3D Anechoic chamber view

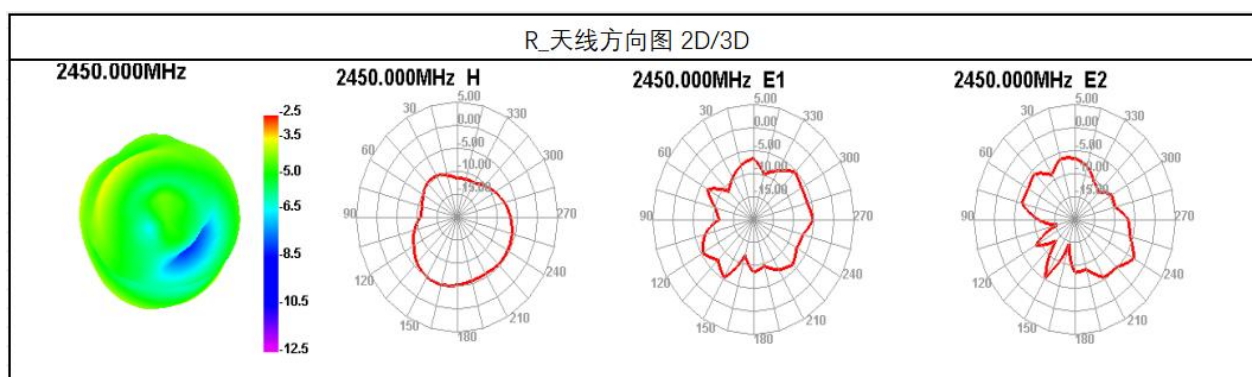


效率&增益Efficiency & Gain:

Freq (MHz)	Effi (%)	Peak Gain (dBi)
2400	14.76	-3.4
2410	14.98	-3.26
2420	15.16	-3.4
2430	15.25	-3.28
2440	15.54	-2.94
2450	15.66	-2.5
2460	15.21	-2.26
2470	14.93	-2.29
2480	15.11	-2.41
avg.	15.18	

PEAK GAIN:-2.26dBi

天线3D&2D方向图Antenna 3D & 2D pattern:



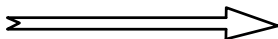
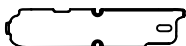


成品名称：LIVE-beam3天线

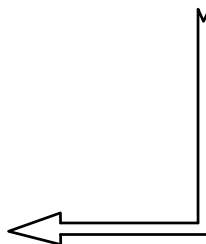
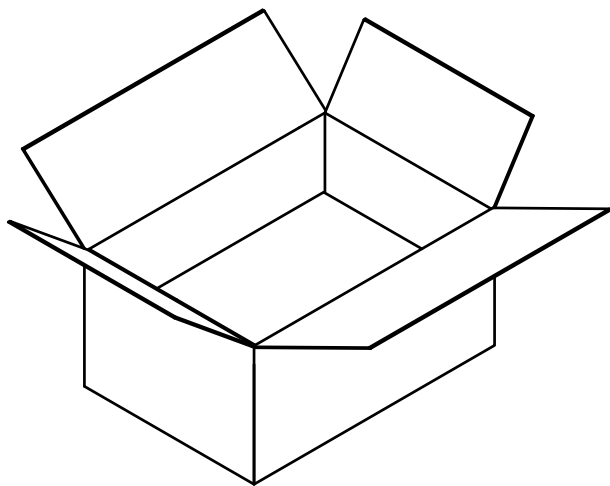
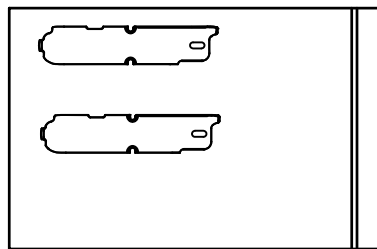
版本：A

客户：通力

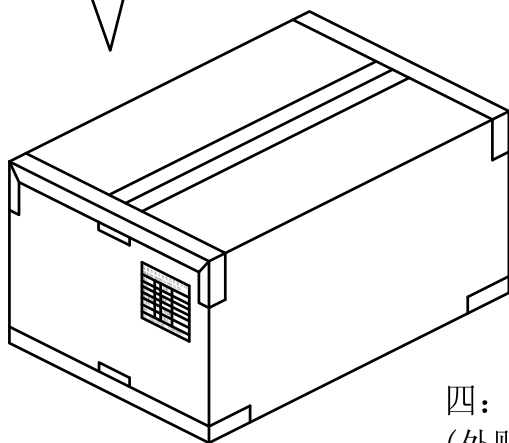
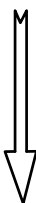
一：成品天线



二：装袋，每PE袋装500PCS产品.



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、Pb等标识)。