

承 认 书

APPROVAL SHEET

客户名称 Customer Name GGEC

产品型号 Product Model Vifa-0slo-2

客户料号 Customer P/N

南斗星料号 SouthstarP/N 3. N204. 0285

制作日期 Production date 2022-07-19

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)

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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. 07. 19	初 版	

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基本参数(The basic parameters)

A. Electrical Characteristics	
Frequency	2400~2500MHZ 5150~5850MHZ
VSWR	< 2
Avg Efficiency	>50%
Impedance	50±15 Ohm
Polarization	Linear
Peak Gain	2400-2500MHZ: 2.30dBi 5150-5850MHZ: 4.62dBi
B. Material & Mechanical Characteristics	
Material of Radiator	FPC black
Cable Type	Ø 1.13mm black
Connector Type	一代端子
Dimension	
C. Environmental	
Operation Temperature	- 30 °C ~ + 65 °C
Storage Temperature	- 40 °C ~ + 70°C

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Technical drawing of a South Star antenna part. The drawing includes a perspective view and a detail view. The perspective view shows a rectangular component with dimensions: length 300±3, width 250±5, and a small tab 10±5. A detail view shows the top surface with a 10.0±0.2 wide section containing a 'South Star' logo and a 'Vifa-Ose-2.0' label. A '编织需点UV胶' (Weaving point UV glue) is indicated. A '反面刀切线' (Reverse knife cut line) is shown. A note '不分朝向' (No orientation) is present. A table at the bottom contains project information.

Rev	Description	Date	Remark
A	New drawing		

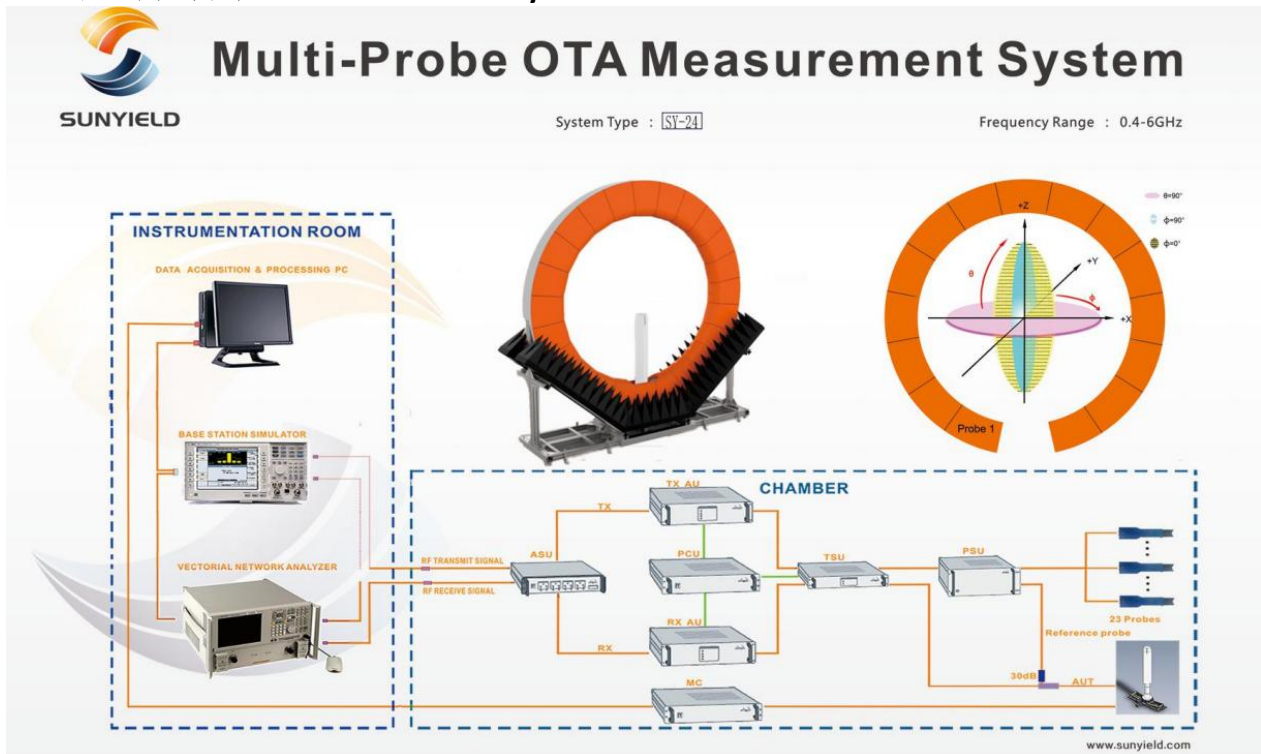
0~10	±0.05	0.02	Part Name	WIFI/DT 天线	Date	2022-07-16
10~18	±0.10	0.03	Part No.	3. N204. 0285	Designed by	李森
18~30	±0.12	0.02	Material	/	Checked by	PE
30~40	±0.15	0.04	Customer		Approved by	
40~	±0.20	±0.5°	P/N		Unit	mm

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测试设备(Test Equipment & Conditions)

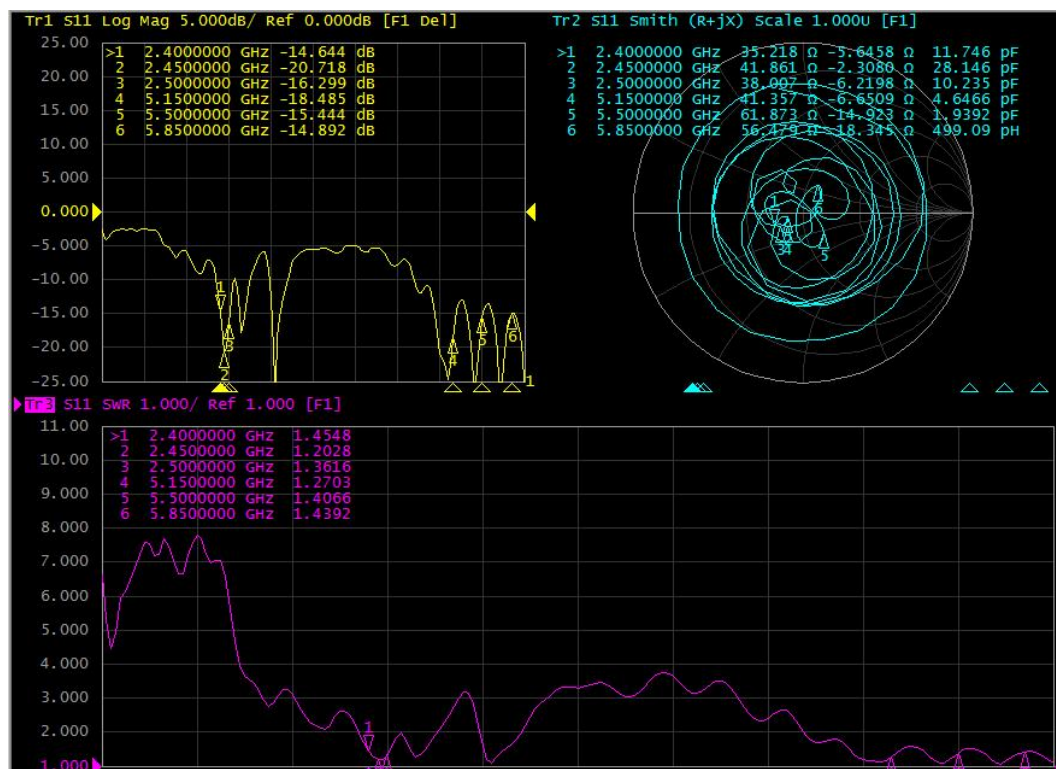
- 1.网络分析仪Network Analyzers : Agilent 5071C
- 2.综合测试仪Communications Test Set: Agilent E5515C CMW500
- 3.3D暗室测试系统 3D Chamber Test System



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Antenna Impedance: S11 (parameter)



效率&增益(Efficiency & gain):

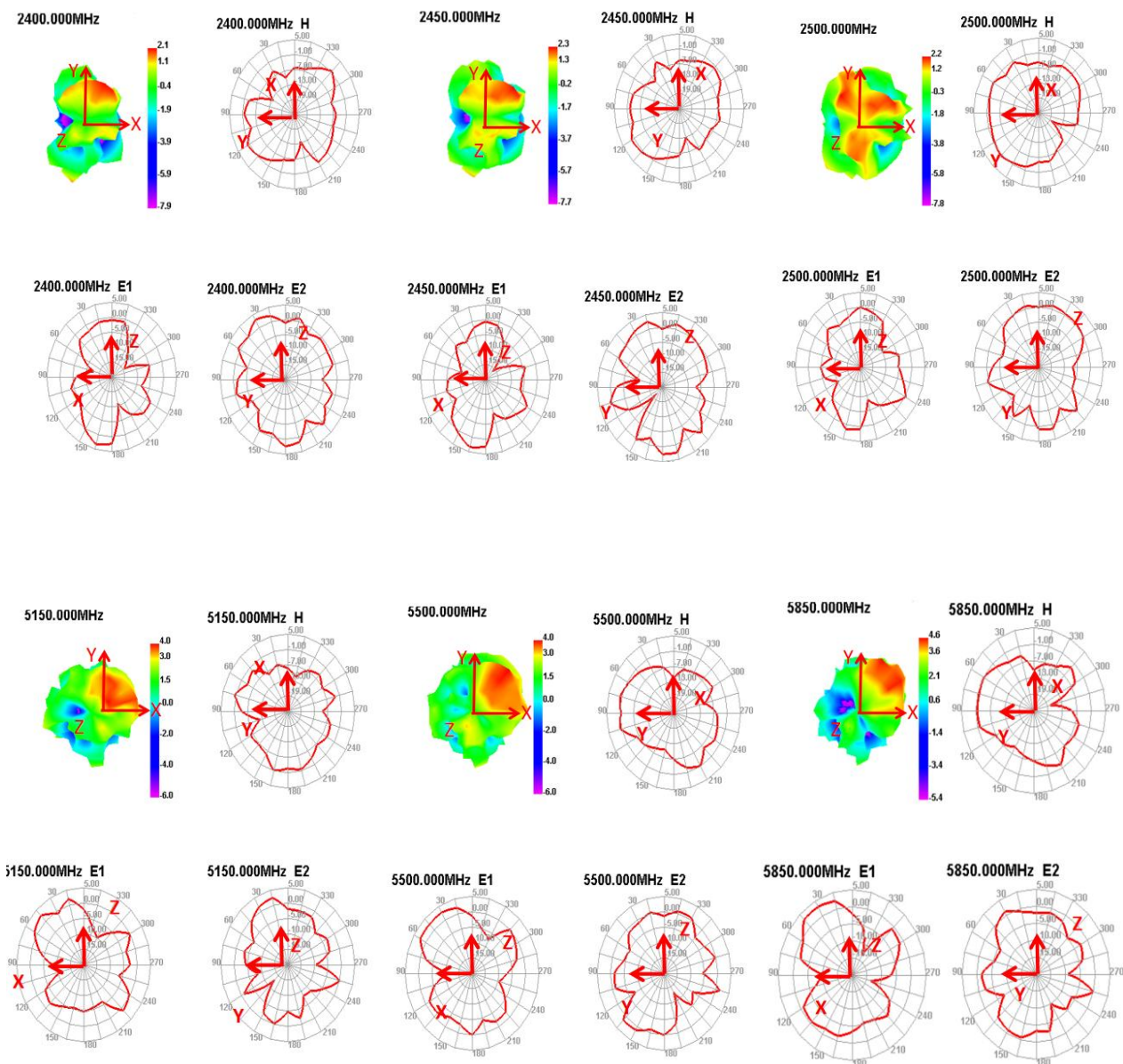
Freq (MHz)	Effi (%)	Gain (dBi)
2400	60.82	2.09
2410	59.06	2.01
2420	59.19	2.05
2430	60.15	2.12
2440	59.67	2.19
2450	61.08	2.30
2460	58.84	2.21
2470	57.72	2.04
2480	61.73	2.21
2490	60.34	2.28
2500	58.02	2.18

Freq (MHz)	Effi (%)	Gain (dBi)
5150	51.48	3.98
5200	50.93	3.85
5250	53.62	3.91
5300	52.83	3.58
5350	53.95	3.79
5400	57.19	3.71
5450	58.77	3.81
5500	57.62	4.01
5550	56.71	4.18
5600	54.81	4.27
5650	52.21	4.32
5700	52.76	4.42
5750	55.7	4.52
5800	58.48	4.56
5850	54.28	4.62

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天线辐射图(Antenna radiation pattern):



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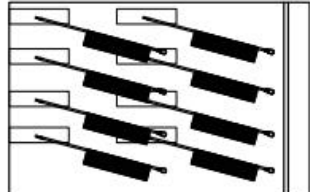
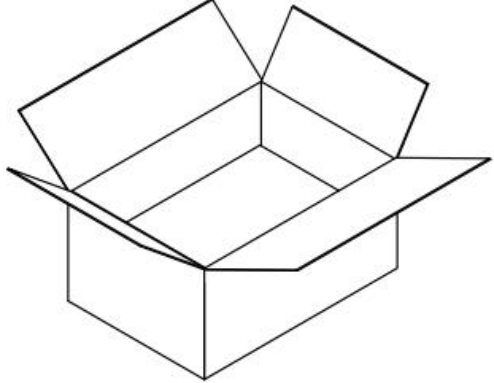
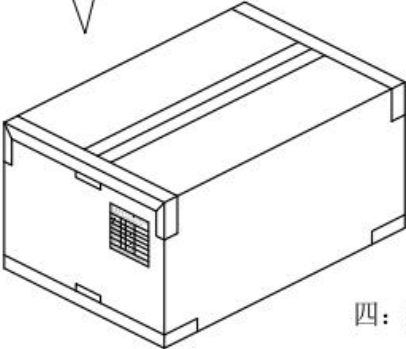
安装方式(Installation method):



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包装方式:

 South Star 产品包装规范	
日期: 20221-07-16	page: 1 of 1
成品名称 : Vifa-0slo-2.0天线	版本: A
	客户: 国光
一: 成品天线  二: 装袋, 每PE袋装50PCS产品  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