



承 认 书

APPROVAL SHEET

客户名称 Customer Name _____ RSR

产品型号 Product Model _____ Flip7

客户料号 Customer P/N _____

规格描述 Specifications _____ BT 天线 (BT ANT)

南斗星料号 Southstar P/N _____ 3. N101. 1523

制作日期 Production date _____ 2024. 10. 10

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)

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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)

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承认书变更履历

Confirmation of Change of Resume

版本 version	日期 date	变更描述 Change description	备注 notes
1.0	2024. 6. 27	初版 First edition	
2.0	2024. 10. 9	增加 FPC 厚度 Increase FPC thickness	
3.0	2024. 10. 10	更新包装方式封面 Update packaging method cover	

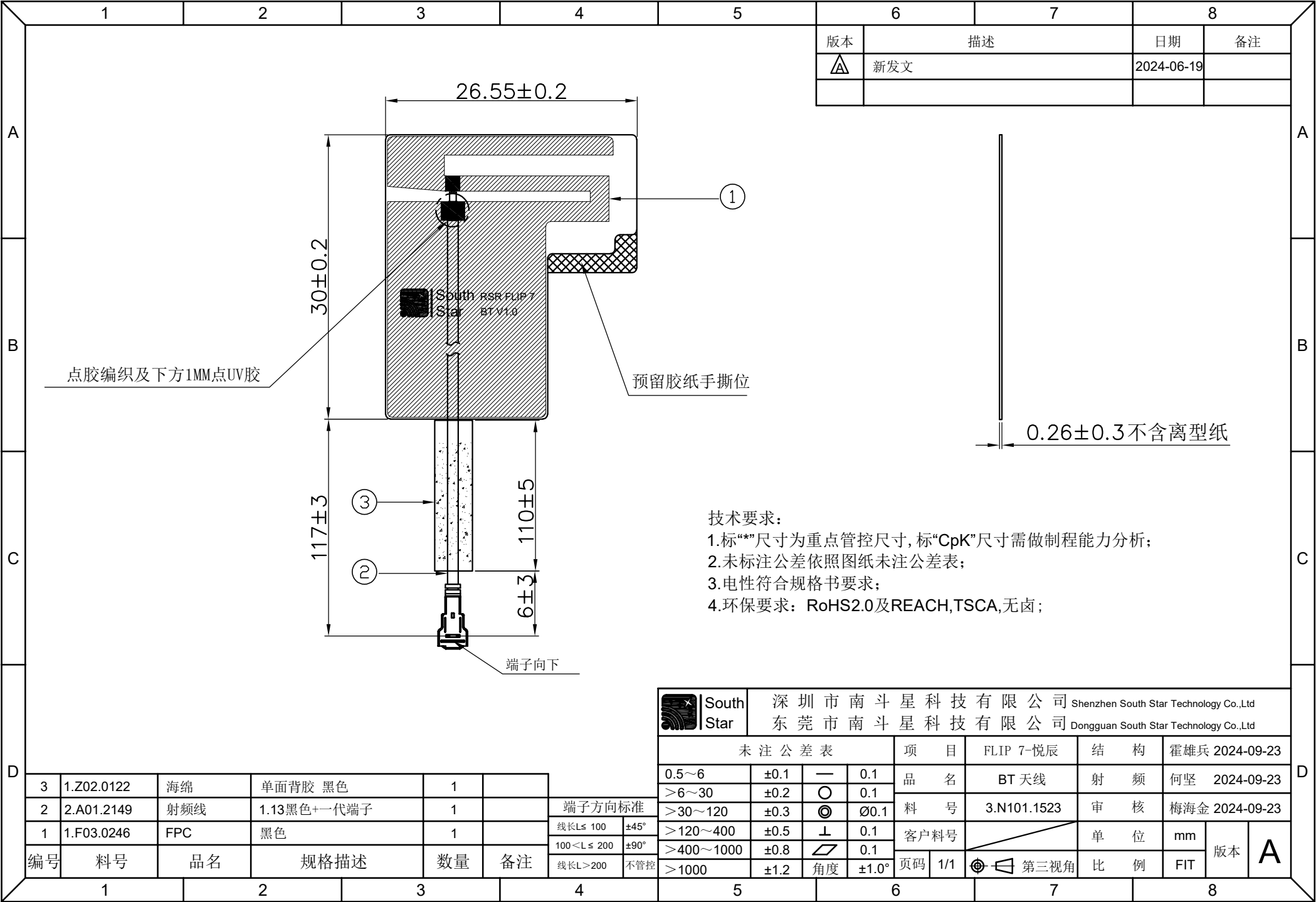
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基本参数 (The basic parameters)

A. 电性能Electrical Characteristics	
Frequency 频率	2400MHz~2500MHz
VSWR 电压驻波比	< 2
Efficiency 效率	>52%
Impedance 阻抗	50 Ohm
Polarization 极化	Linear
Peak Gain 最大增益	2.09dBi
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 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



A

测试设备 (Test Equipment & Conditions)

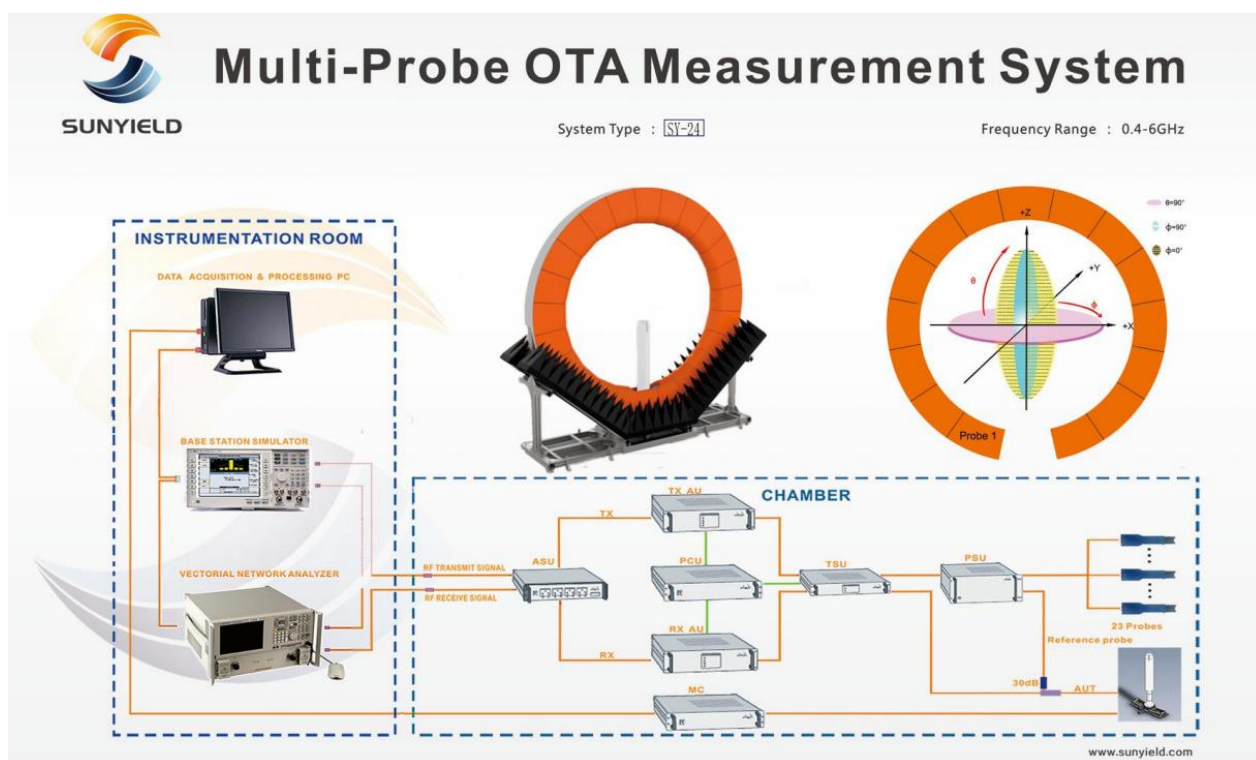
1. 网络分析仪 NetWork Analyzers:

Keysight E5071C

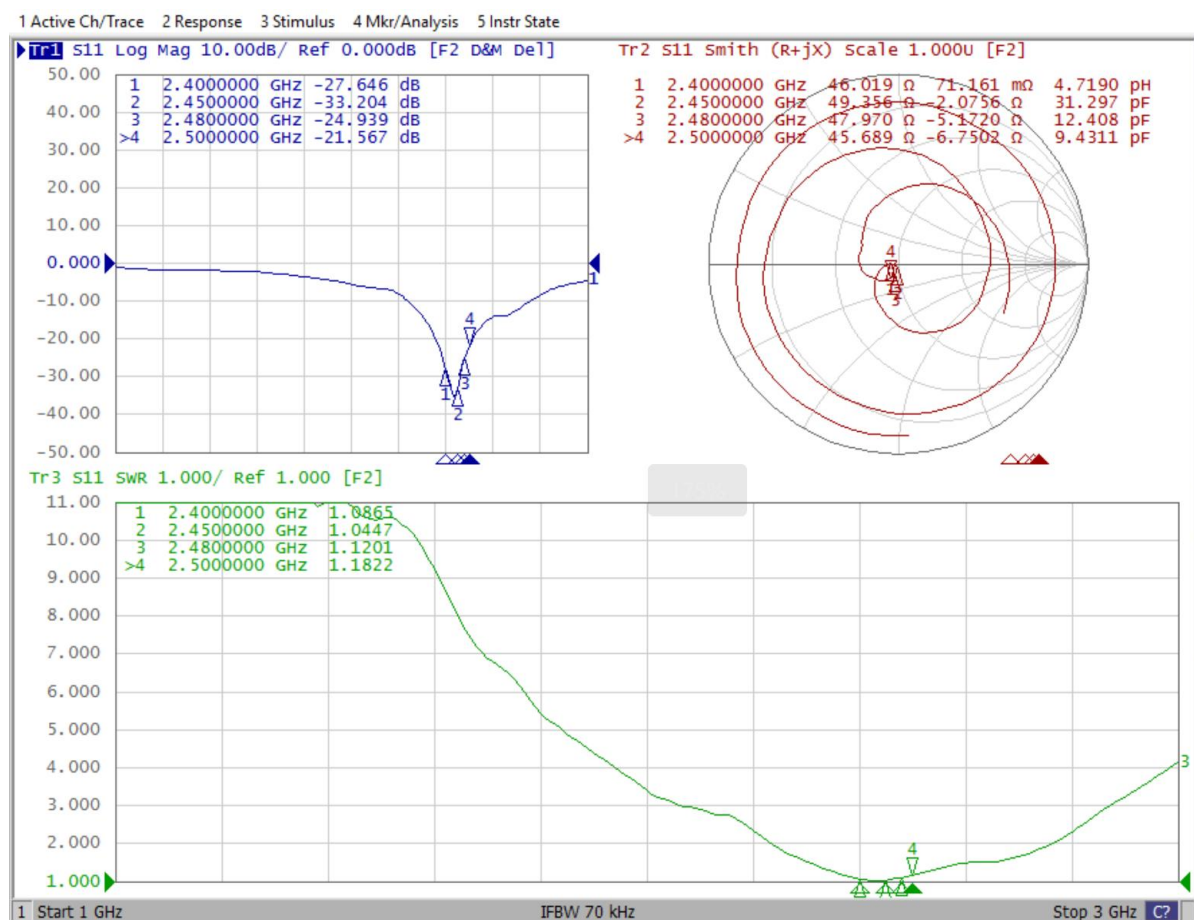
2. 综合测试仪 Comprehensive tester:

CMW500 、 MT8000A、 MT8862A

3. 3D 暗室测试系统 3D Chamber Test System:



天线阻抗Antenna Impedance: S11

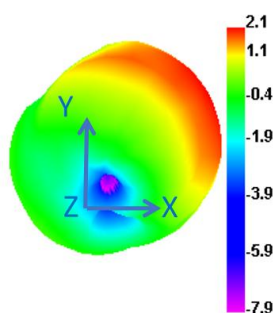


效率&增益Efficiency & Gain:

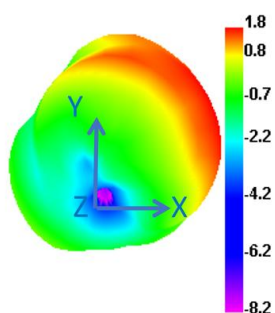
Freq (MHz)	Effi (%)	Effi (dB)	Peak Gain (dBi)
2400	53.78	-2.69	2.08
2410	54.21	-2.66	2.04
2420	54.75	-2.62	2.09
2430	55.12	-2.59	1.81
2440	55.31	-2.57	1.83
2450	55.52	-2.56	1.82
2460	54.69	-2.62	1.89
2470	53.51	-2.72	1.98
2480	52.94	-2.76	1.84
2490	52.59	-2.79	1.67
2500	52.27	-2.82	1.54
avg.	54.06		

天线3D&2D方向图Antenna 3D & 2D pattern:

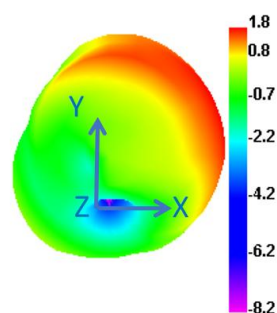
2400.000MHz



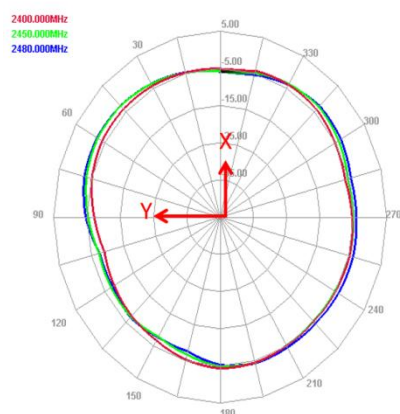
2450.000MHz



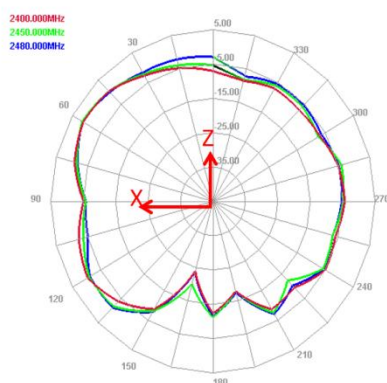
2480.000MHz



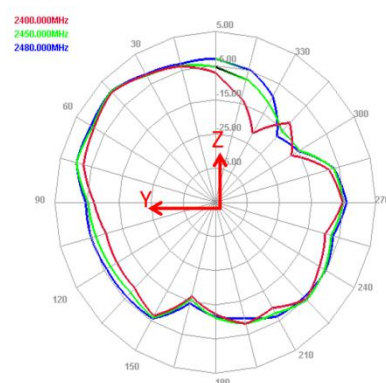
Horizontal



E1 Face



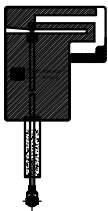
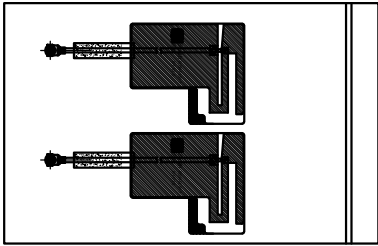
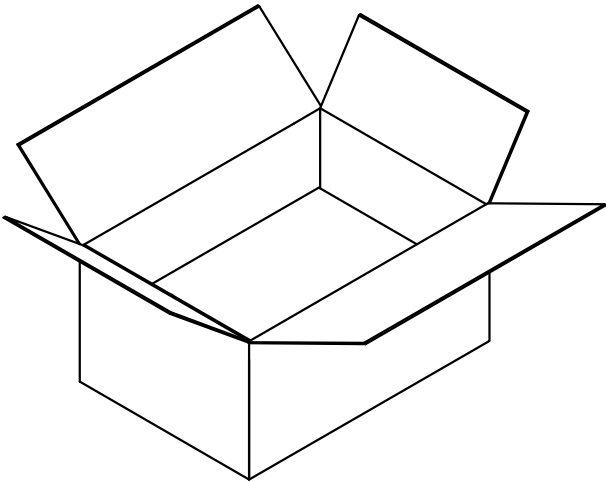
E2 Face



OTA:

BR	信道	TRP	TIS	TX	RX
	0	6.16	-93.05	8.4	-94
	39	6.08	-92.78	8.2	-94
	78	5.89	-92.69	8.1	-94



成品名称：FLIP 7-悦辰		版本：A
		客户：悦辰
一：成品天线  二：装袋，每PE袋装100PCS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)。 