



样品封订

承认书

APPROVAL SHEET

客户名称 Customer Name 智微智能 (JWIPC)

产品型号 Product Model N104

客户料号 Customer P/N _____

规格描述 Specifications WIFI-AUX Antenna

南斗星料号 Southstar P/N 3. N201. 0218

制作日期 Production date 2022. 8. 5

制作版本 Revision 1.0

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)

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SHENZHEN SOUTH STAR TECHNOLOGY CO.,LTD

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基本参数 (The basic parameters)

A. 电性能 Electrical Characteristics	
Frequency 频率	2400MHz ~ 2500MHz; 5150MHz ~ 5850MHz;
VSWR 电压驻波比 NB Mode	<3
Efficiency 效率 2.4g avg. 5.8g avg.	51% 55%
Impedance 阻抗	50 Ohm
Polarization 极化	Linear
Gain 增益	
B. 材料&物理性能 Material & Mechanical Characteristics	
射频材料 Material of Radiator	Spring piece (304 stainless steel nickel plating)
射频线类型 Cable Type	PIFA Antenna \varnothing 1.13mm White
接头类型 Connector Type	Fourth generation
重量 weight	
C. 环境 Environmental	
工作温度 Operation Temperature	- 30 ° C ~ + 65 ° C
存放温度 Storage Temperature	- 40 ° C ~ + 70 ° C

测试设备 (Test Equipment & Conditions)

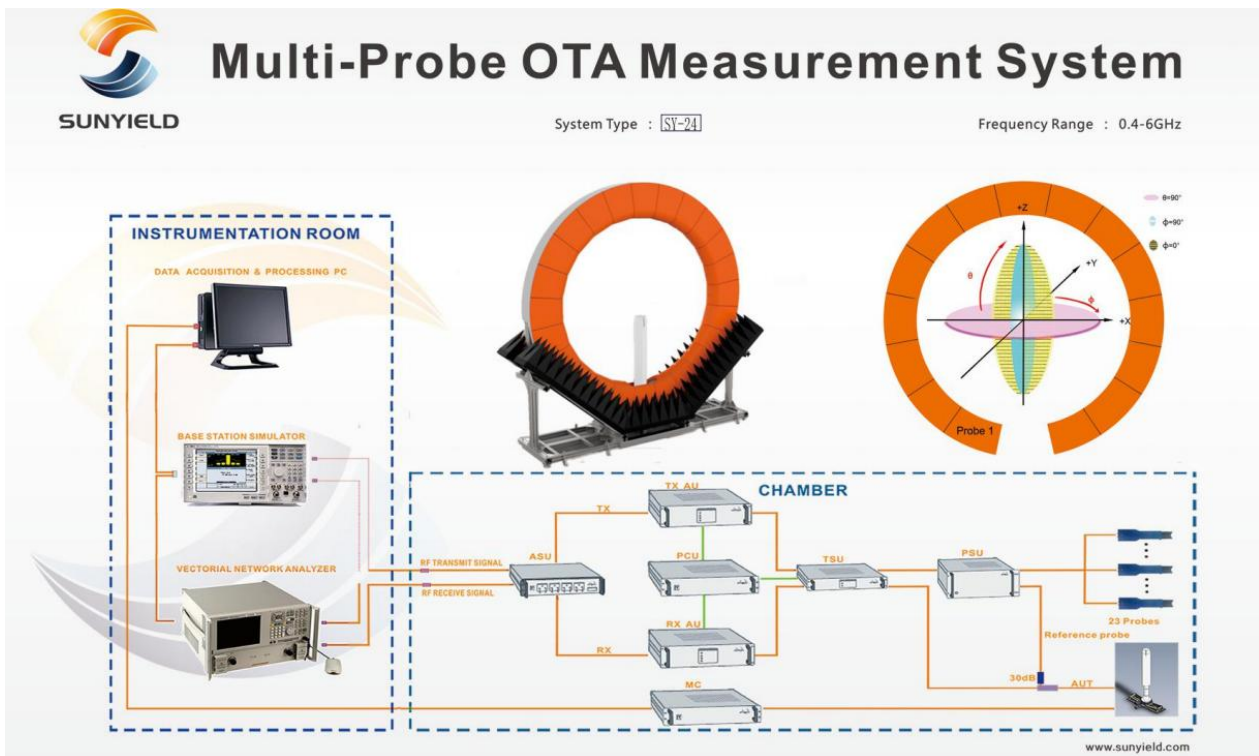
1. 网络分析仪 Network Analyzers:

Keysight E5071C

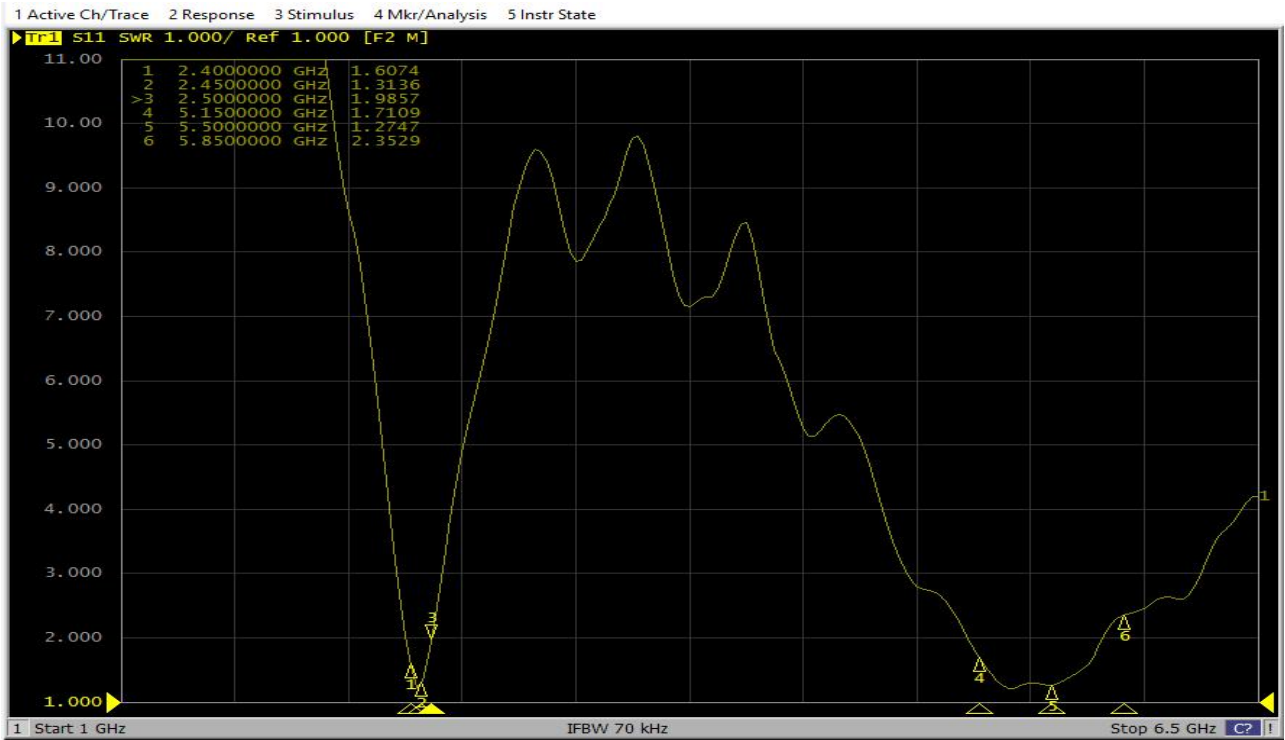
2. 综合测试仪 Comprehensive tester:

CMW500 、 MT8000A、 MT8862A

3. 3D 暗室测试系统 3D Chamber Test System:



天线阻抗 Antenna Impedance: WIFI-AUX



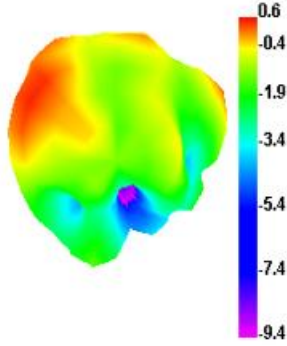
效率&增益 Efficiency & Gain: WIFI-AUX

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	46.93	-3.29	0.56
2410	49.12	-3.09	0.85
2420	51.67	-2.87	0.98
2430	52.93	-2.76	1.09
2440	53.73	-2.7	1.12
2450	52.42	-2.81	1.47
2460	52.94	-2.76	1.81
2470	53.18	-2.74	1.95
2480	52.71	-2.78	1.73
2490	51.03	-2.92	1.8
2500	50.43	-2.97	2.23
avg.	51.55	-2.88	1.42

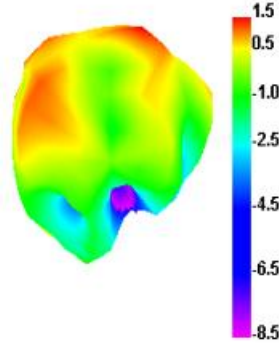
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	53.54	-2.71	4.39
5200	54.08	-2.67	3.53
5250	55.58	-2.55	4.29
5300	54.86	-2.61	4.34
5350	56.05	-2.51	4.63
5400	57.63	-2.39	4.96
5450	59.57	-2.25	4.81
5500	59.01	-2.29	5.03
5550	58.43	-2.33	5.04
5600	57.33	-2.42	4.98
5650	55.82	-2.53	5.35
5700	54.85	-2.61	5.21
5750	52.78	-2.78	5.31
5800	51.56	-2.88	5.05
5850	48.19	-3.17	4.2
avg.	55.29	-2.58	4.74

天线3D&2D方向图 Antenna 3D & 2D pattern: WIFI-AUX

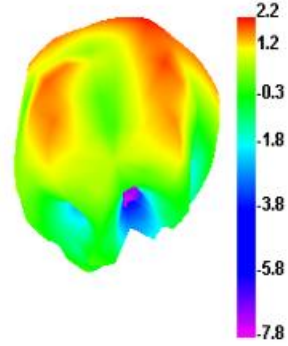
2400.000MHz



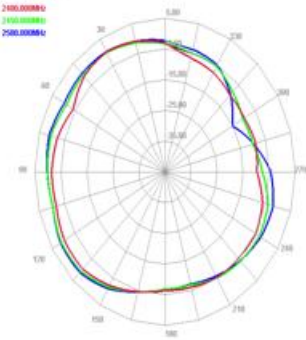
2450.000MHz



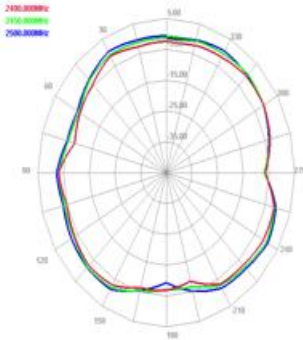
2500.000MHz



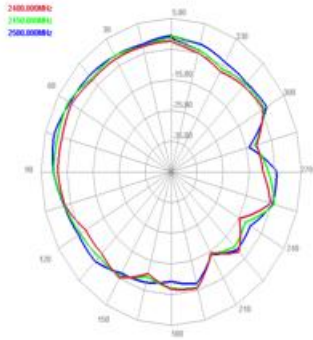
Horizontal



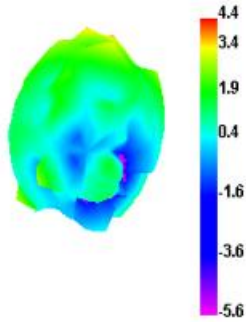
E1 Face



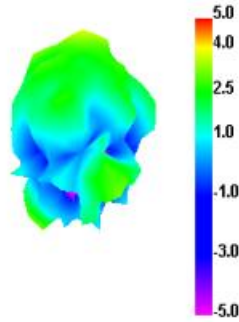
E2 Face



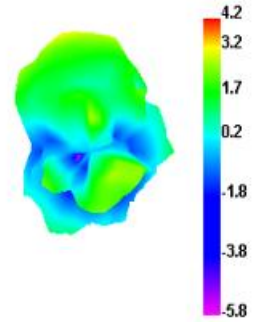
5150.000MHz



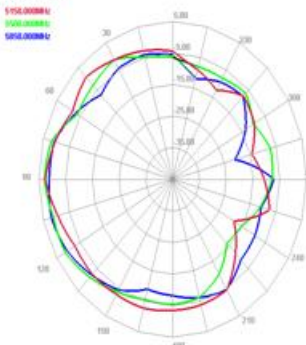
5500.000MHz



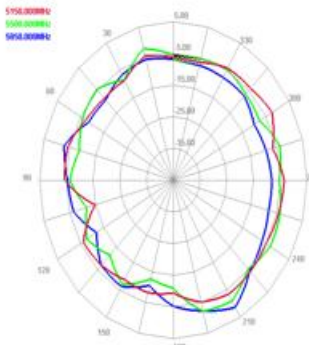
5850.000MHz



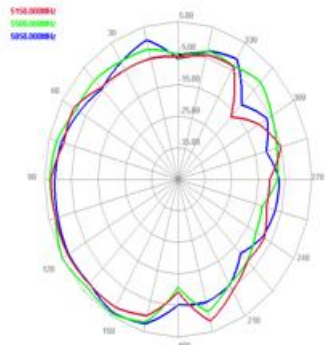
Horizontal



E1 Face



E2 Face



天线装配图片 Antenna assembly picture:

