



承 认 书

APPROVAL SHEET

客户名称 Customer Name RSR

产品型号 Product Model BAR1000MK2

客户料号 Customer P/N

规格描述 Specifications WIFI-1 ANT

南斗星料号 Southstar P/N 3. N204. 0436

制作日期 Production date 2025. 2. 13

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)

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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	2024.10.8	初版 First edition	
2.0	2024.11.11	变更海绵尺寸 Change the size of sponge	
3.0	2025.02.13	变更海绵尺寸 Change the size of sponge	客户需求 customer demand



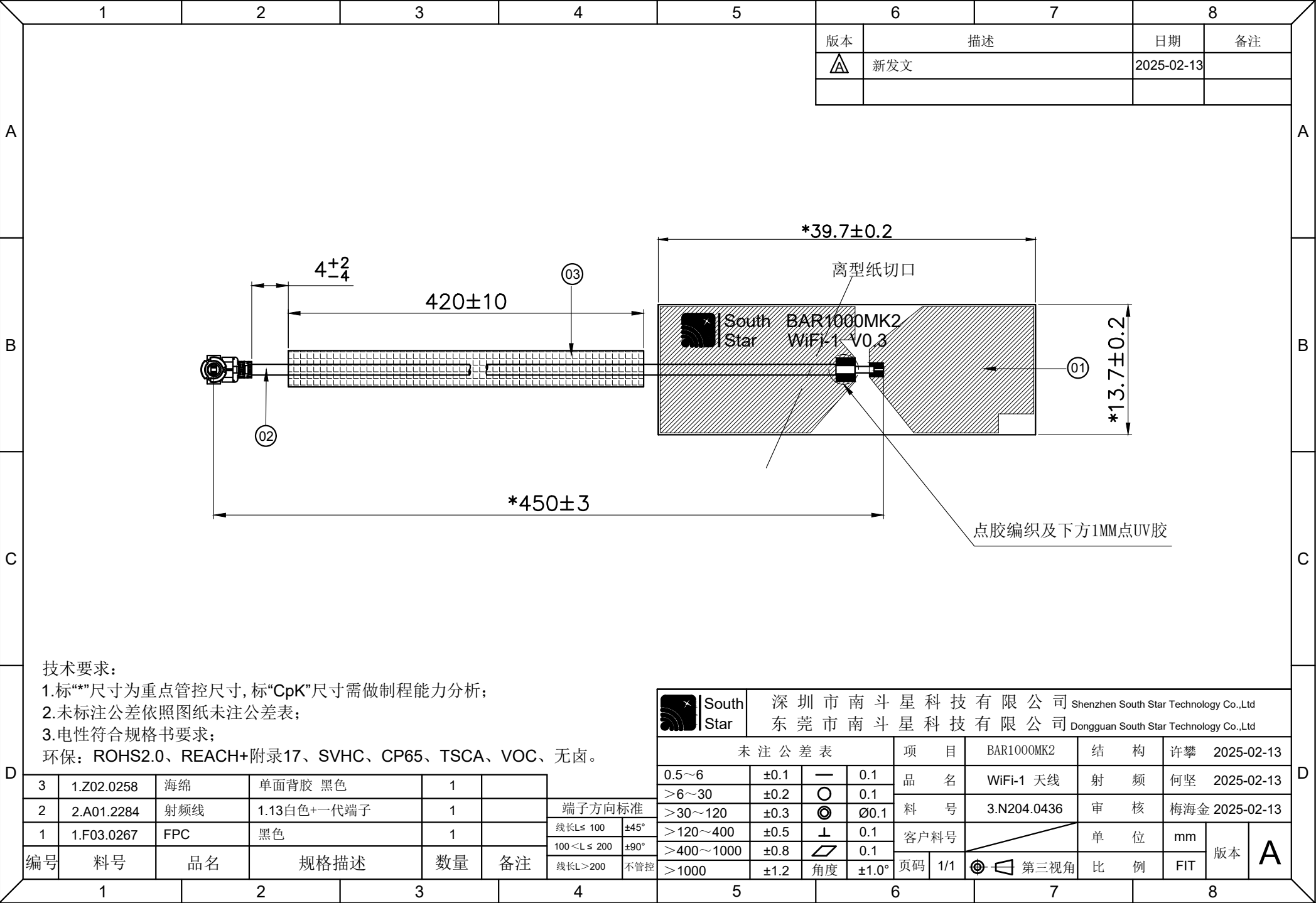
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基本参数 (The basic parameters)

A. 电性能Electrical Characteristics	
Frequency 频率	2400MHz~2500MHz 5150MHz~5850MHz 5925MHz~7125MHz
VSWR 电压驻波比	< 2
AVG. Efficiency 效率	>40%
Impedance 阻抗	50 Ohm
Polarization 极化	Linear
Peak Gain 最大增益	2400MHz~2500MHz 2.29dBi 5150MHz~5850MHz 3.83dBi 5925MHz~7125MHz 4.11dBi
Antenna type 天线类型	Monopole
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 White
接头类型 Connector Type	1 代
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)

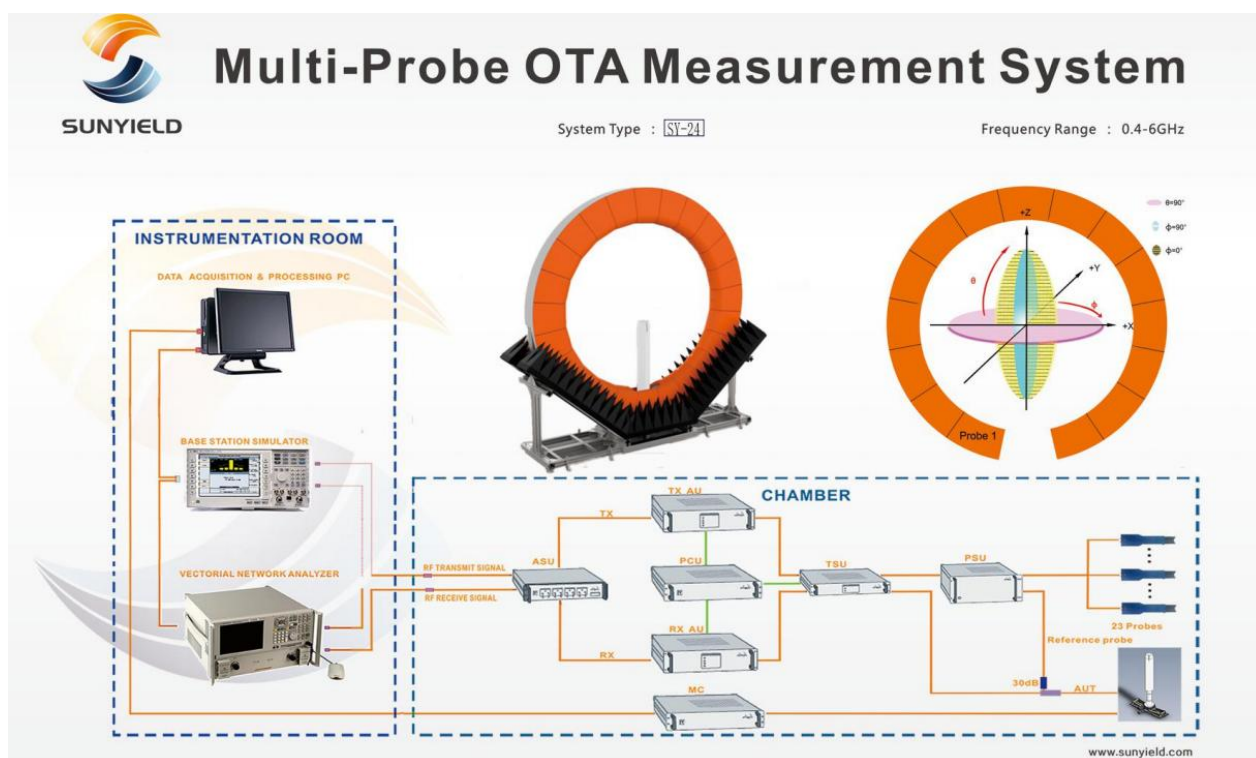
1. 网络分析仪 NetWork Analyzers:

Keysight E5071C

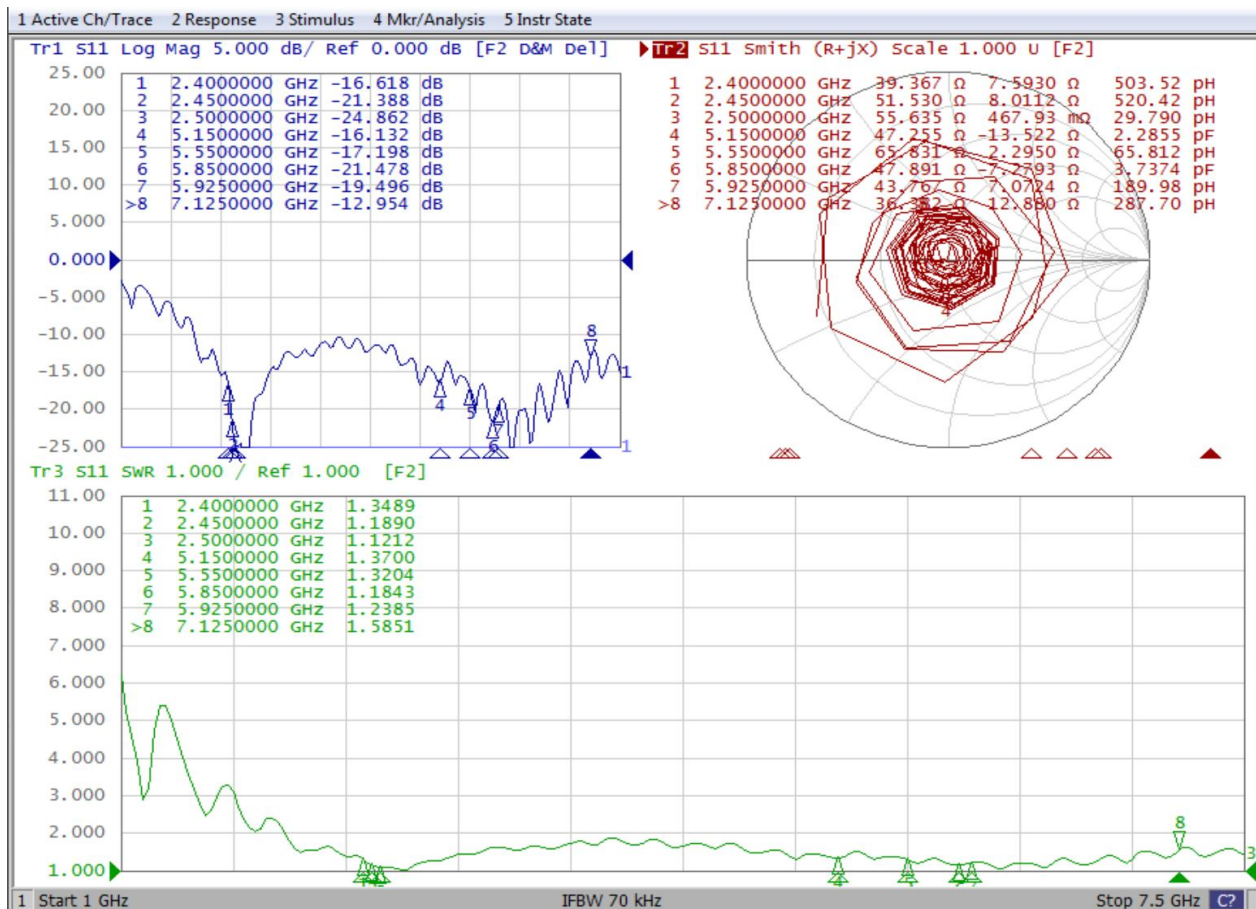
2. 综合测试仪 Comprehensive tester:

CMW500 、 MT8000A、 MT8862A

3. 3D 暗室测试系统 3D Chamber Test System:



天线阻抗Antenna Impedance: S11



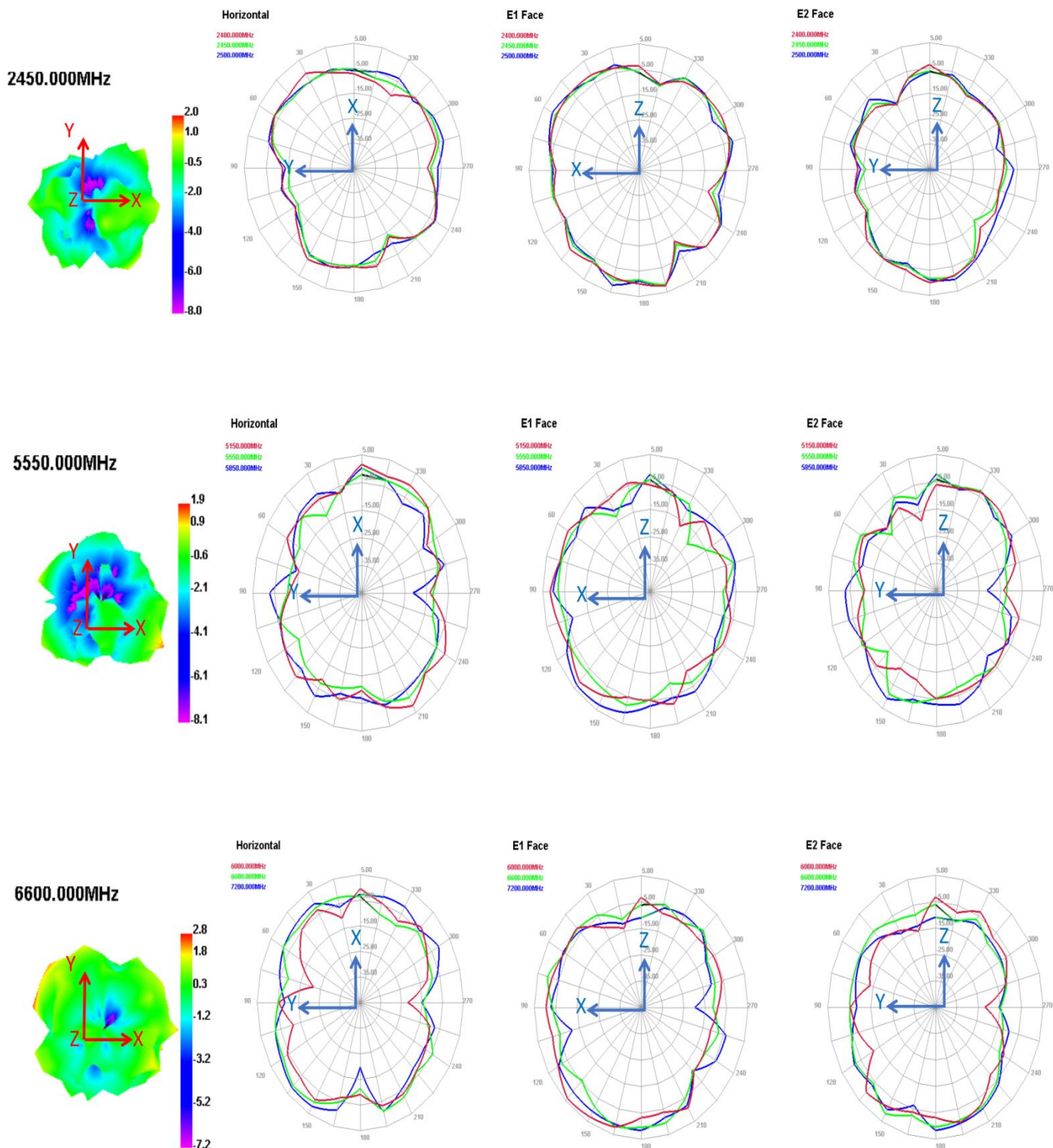
效率&增益Efficiency & Gain:

Freq (MHz)	Effi (%)	Peak Gain (dBi)
2400	45.66	2.29
2410	44.65	2.18
2420	44.01	2.11
2430	43.86	1.96
2440	44.25	1.84
2450	45.67	2.02
2460	47.69	2.15
2470	47.16	2.26
2480	46.27	2.13
2490	45.32	1.94
2500	43.51	2.04
avg.	45.28	

Freq (MHz)	Effi (%)	Peak Gain (dBi)
5150	39.39	3.57
5200	40.25	3.16
5250	40.49	3.07
5300	41.66	2.95
5350	41.89	2.58
5400	42.94	2.35
5450	41.23	2.51
5500	40.21	2.06
5550	39.36	1.94
5600	40.92	2.43
5650	41.58	2.82
5700	42.13	3.37
5750	43.99	3.24
5800	43.39	3.28
5850	44.46	3.83
avg.	41.59	

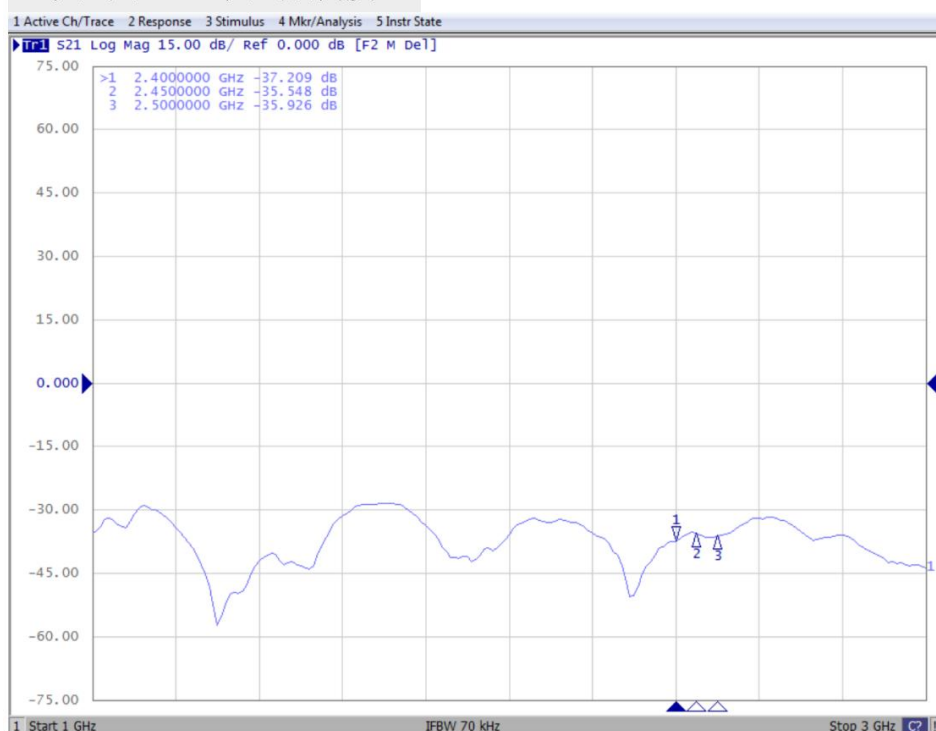
Freq (MHz)	Effi (%)	Peak Gain (dBi)
5900	40.37	3.92
6000	42.78	3.81
6100	41.24	3.62
6200	39.87	3.46
6300	38.79	4.11
6400	38.45	3.42
6500	39.48	3.36
6600	40.32	2.83
6700	39.55	2.84
6800	38.69	3.11
6900	38.47	2.79
7000	39.38	2.63
7100	42.56	2.32
7200	41.59	2.07
avg.	40.11	

天线3D&2D方向图Antenna 3D & 2D pattern:



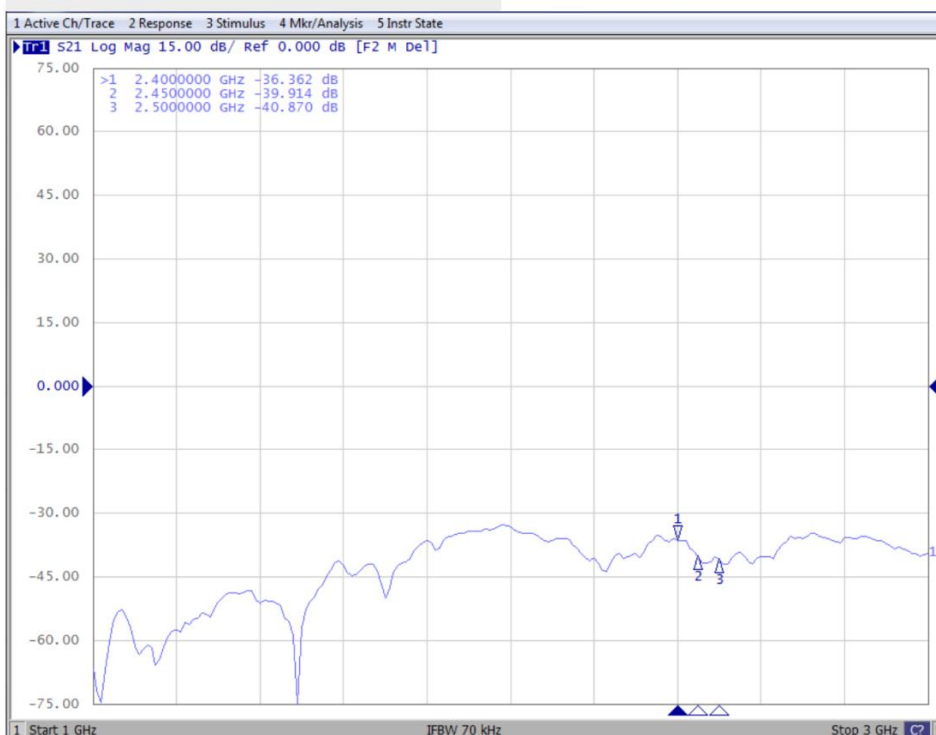
隔离度 Isolation:

BT天线与WIFI-1天线隔离度:



频率 (MHz)	S21(dB)
2400	-37
2450	-35
2500	-35

WIFI-1天线与R-RX模组天线隔离度:

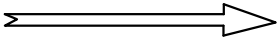
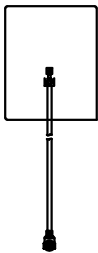


频率 (MHz)	S21(dB)
2400	-36
2450	-39
2500	-40

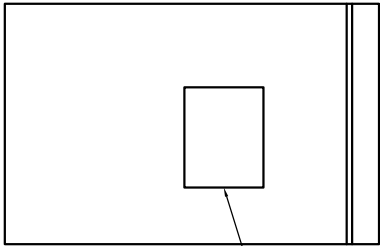


成品名称：BAR1000MK2 WiFi-1 天线	版本：A
	客户：悦辰

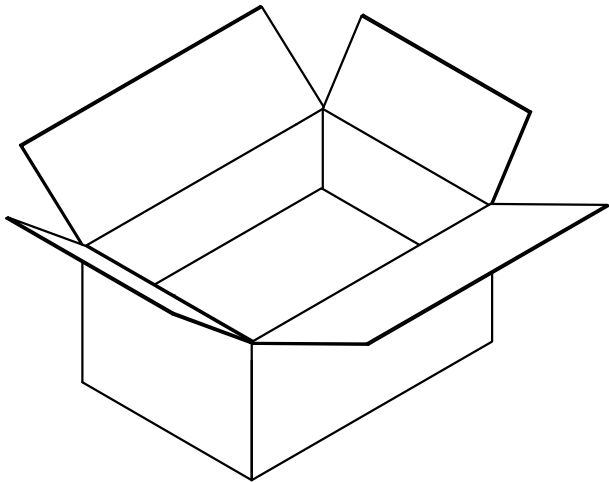
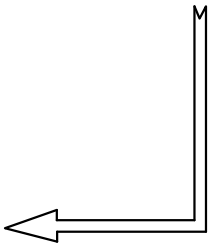
一：成品天线



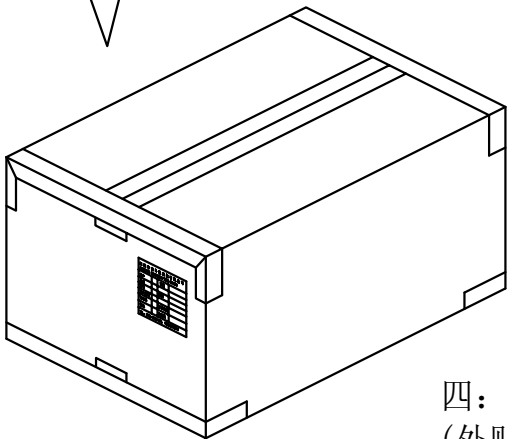
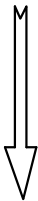
二：装袋，每PE袋装50PCS产品.



贴标签



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)。