



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-0 ANT

南斗星料号 Southstar P/N 3. N204. 0435

制作日期 Production date 2025. 2. 13

制作版本 Revision 4. 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	2024.10.11	更改线长 Change line length	255mm 更改为 280mm Change 255mm to 280mm
3.0	2024.11.11	FPC 更改为 PCB 天线 FPC changed to PCB antenna	装配需求 Assembly requirements
4.0	2025.2.13	更改海绵尺寸 Change sponge size	客户需求 Customer Demand



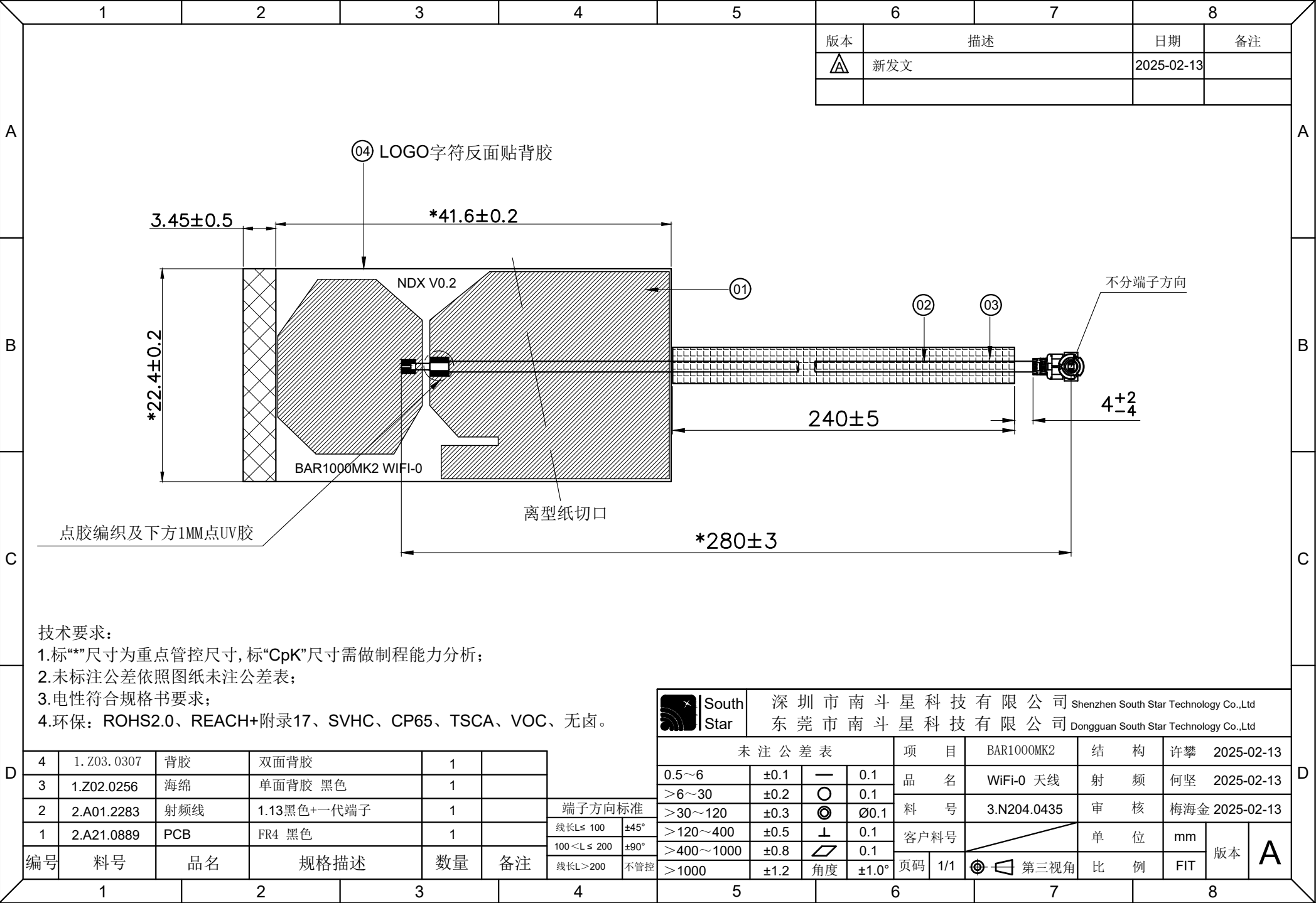
目 录

Index

一、封面 (Cover)	1
二、版本记录 (Colophon)	2
三、目录 (Index)	3
四、基本参数 (The basic parameters)	4
五、工程图纸 (Product Drawing)	5
六、测试设备 (Test Equipment & Conditions)	6
七、测试报告 (Test Report)	7-9
八、包装方式 (Packing method)	10

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 2.27dBi 5150MHz~5850MHz 3.77dBi 5925MHz~7125MHz 3.57dBi
Antenna type 天线类型	Monopole
B. 材料&物理性能Material & Mechanical Characteristics	
射频材料 Material of Radiator	PCB Black
射频线类型 Cable Type	1.13mm Black
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)

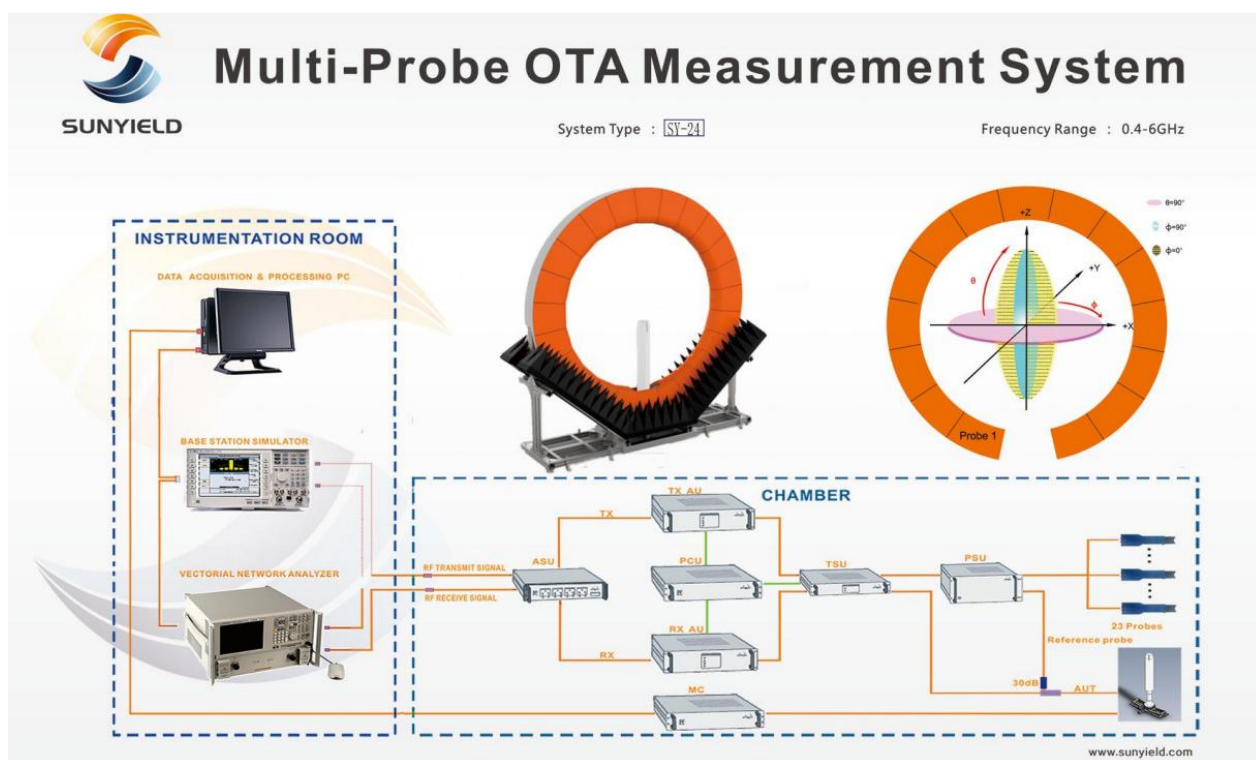
1. 网络分析仪 NetWork Analyzers:

Keysight E5071C

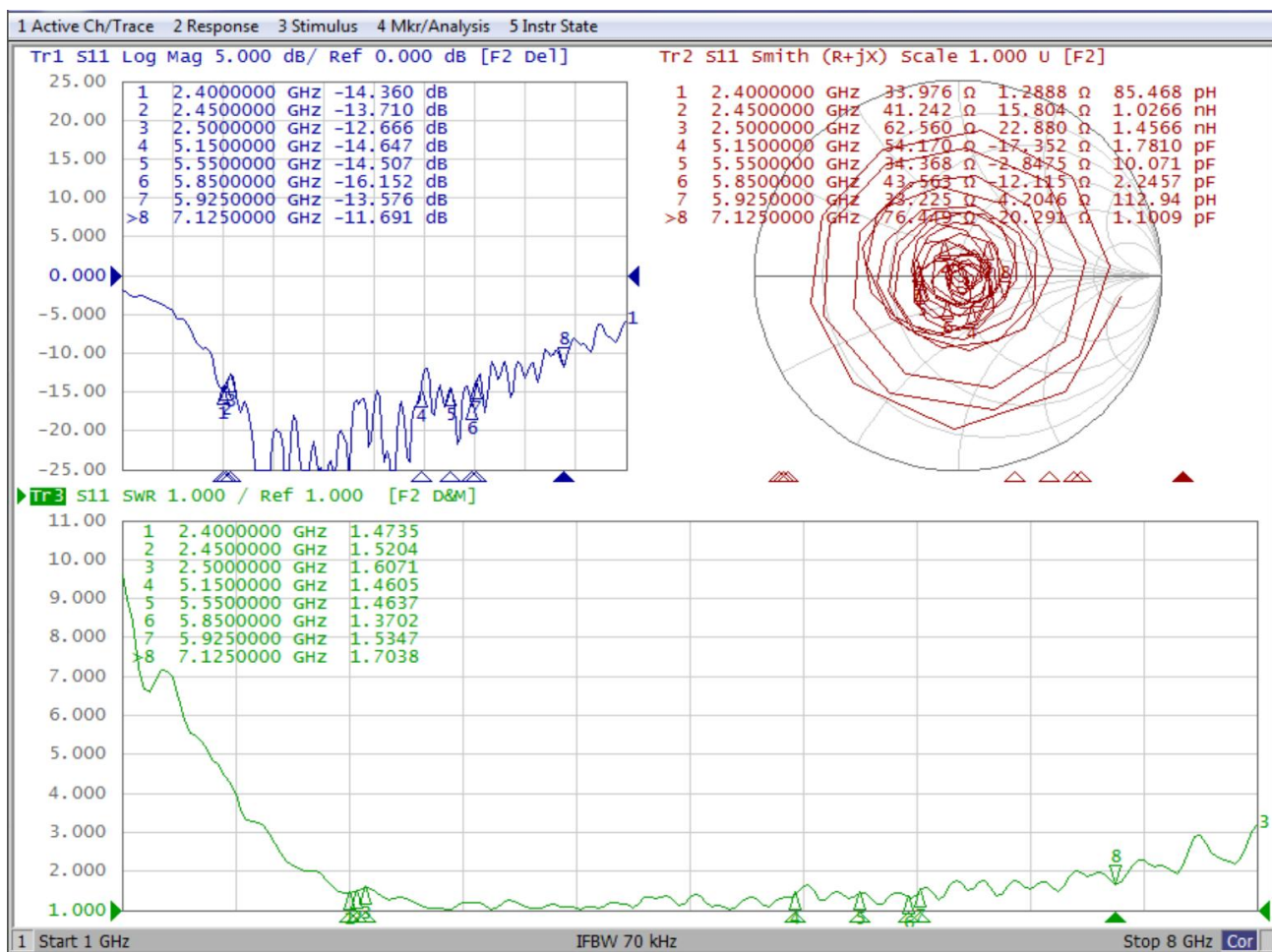
2. 综合测试仪 Comprehensive tester:

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	50.79	2.08
2410	51.29	1.96
2420	49.83	1.88
2430	48.73	1.79
2440	48.89	2.08
2450	47.33	2.17
2460	45.64	2.14
2470	46.72	2.16
2480	47.24	1.93
2490	46.27	2.11
2500	47.38	2.27

avg. 48.19

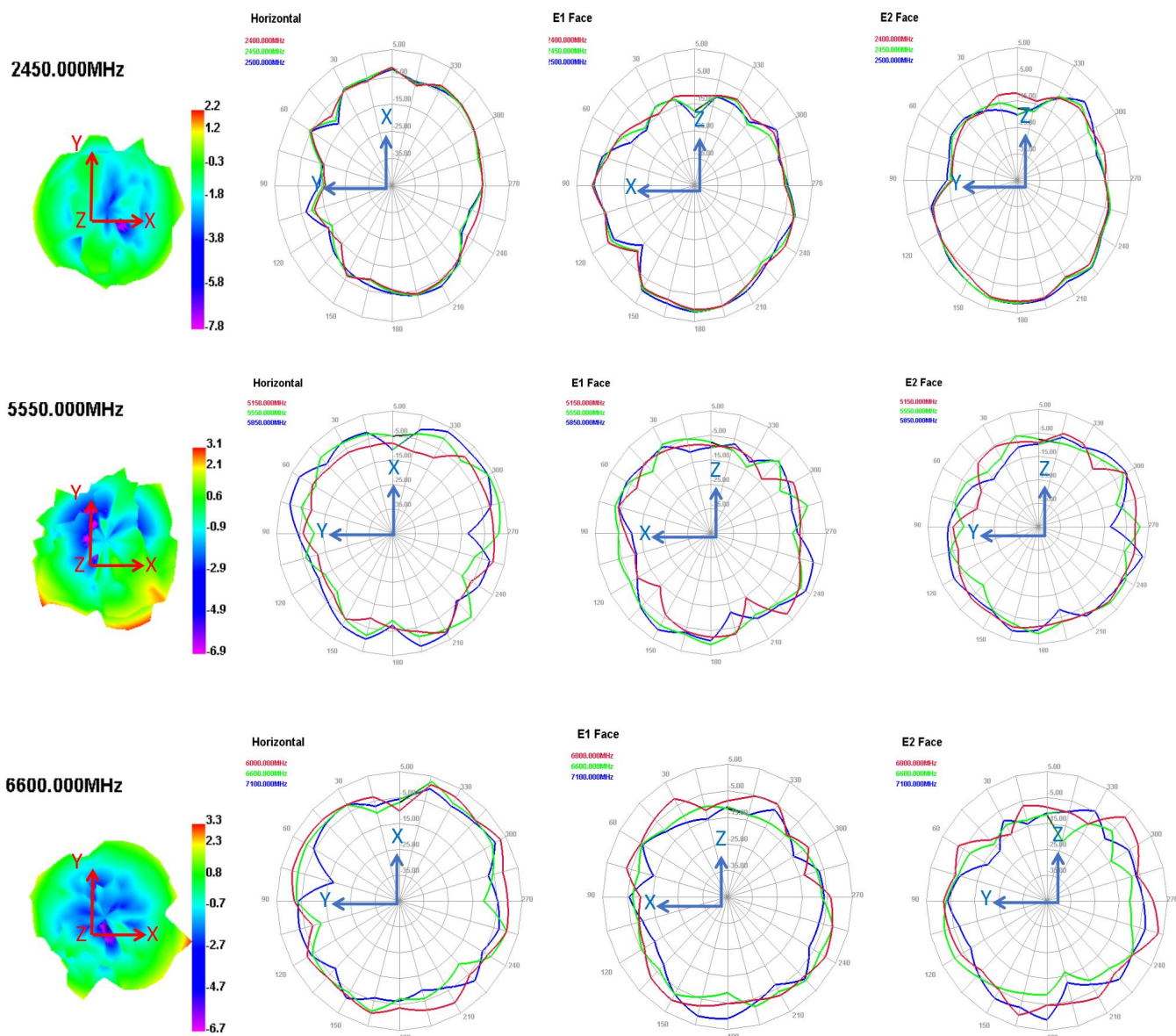
Freq (MHz)	Effi (%)	Peak Gain (dBi)
5150	45.67	3.09
5200	44.79	3.36
5250	45.92	3.47
5300	45.83	3.24
5350	47.74	3.03
5400	48.69	2.85
5450	45.31	2.62
5500	46.22	2.88
5550	44.04	3.12
5600	44.15	2.96
5650	45.28	3.24
5700	45.61	3.29
5750	43.27	3.33
5800	42.06	3.46
5850	41.93	3.77

avg. 45.10

Freq (MHz)	Effi (%)	Peak Gain (dBi)
5900	43.91	3.34
6000	44.06	3.12
6100	44.37	3.57
6200	43.49	3.15
6300	42.68	3.02
6400	41.27	2.82
6500	42.45	2.78
6600	41.62	3.27
6700	41.76	3.19
6800	42.92	3.12
6900	42.73	2.85
7000	41.09	2.73
7100	42.26	3.17
7200	42.89	3.39

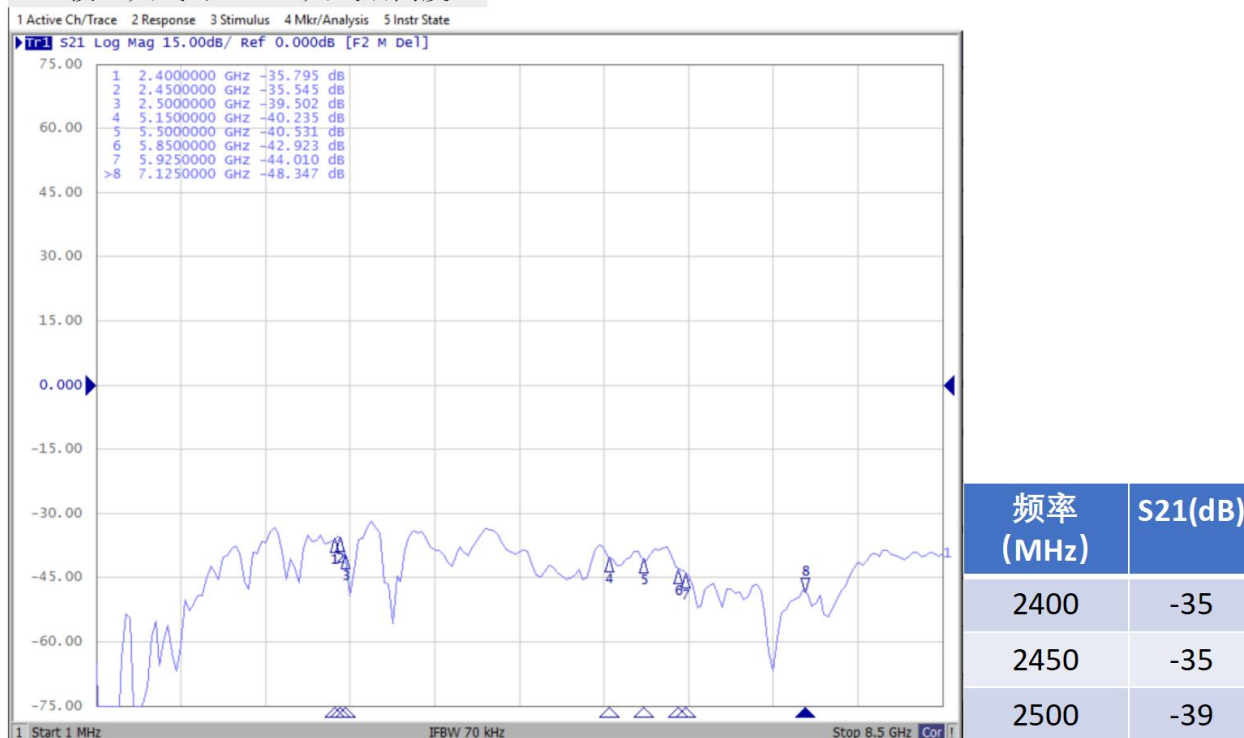
avg. 42.68

天线3D&2D方向图Antenna 3D & 2D pattern:

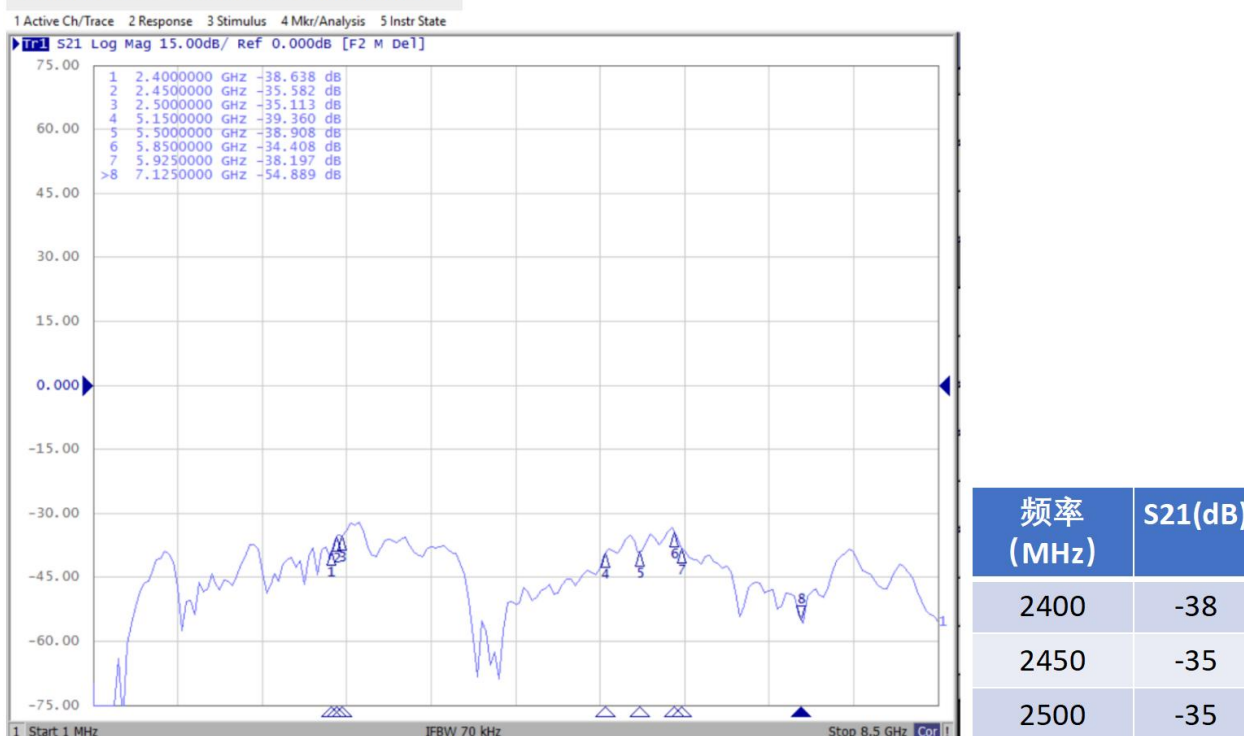


隔离度 Isolation:

L-RX模组天线与WIFI-0 天线隔离度:



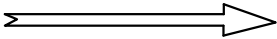
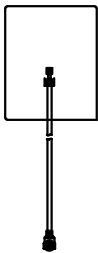
WIFI-0天线与TX模组天线隔离度:



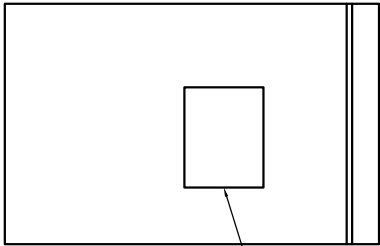


成品名称：BAR1000MK2 WiFi-0 天线	版本：A
	客户：悦辰

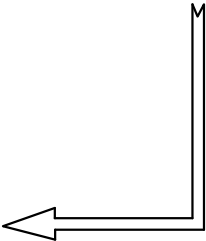
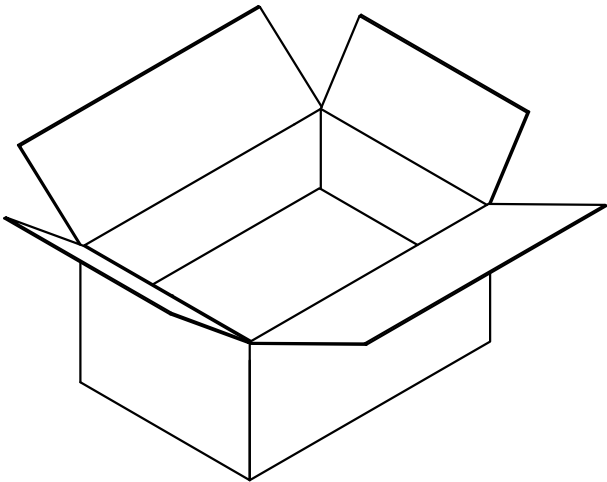
一：成品天线



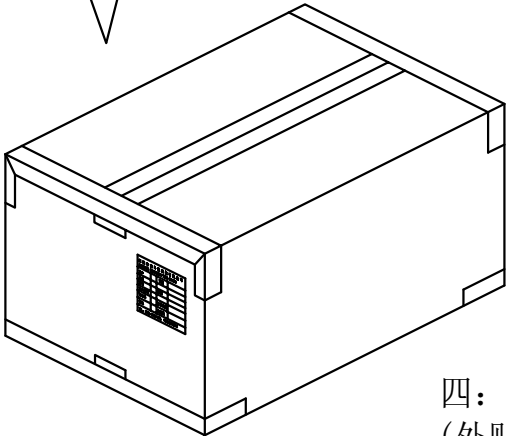
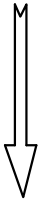
二：装袋，每PE袋装50PCS产品.



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)。