



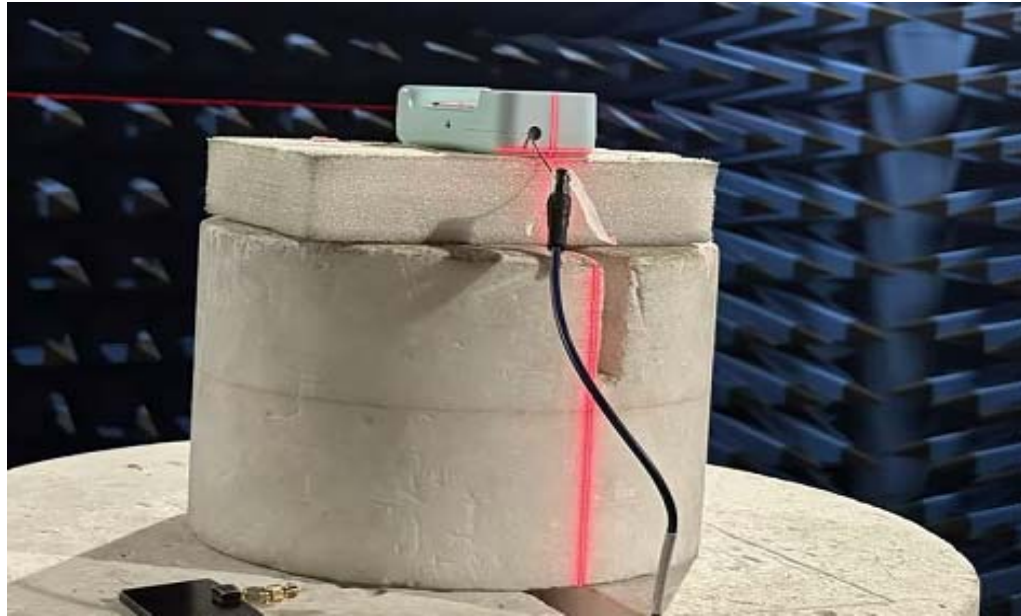
安特微智能通讯（深圳）有限公司

ATWE Intelligent Communication (Shenzhen) Co., Ltd.

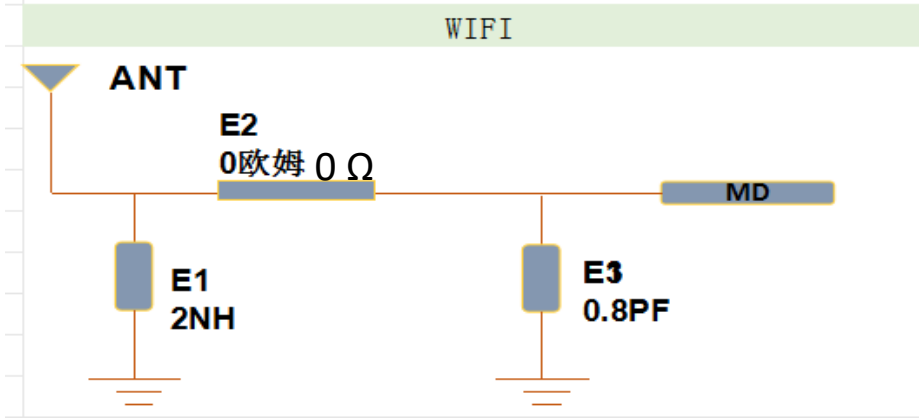
报告名称: Report Name	KS20 天线规格书 KS20 Antenna Specification
项目信息描述: Project Information	
本次调试客户需求: Customer Requirement of This Test	
地址: Address:	地址: 深圳市龙岗区龙岗大道8288号大运软件小镇55栋1楼 Address: 1/F, Building 55, Universiade Software Town, 8288 Longgang Avenue, Longgang District, Shenzhen
本次报告重点事项: The Focus of This Test	2. 4G/5. 8G 天线 2. 4G/5. 8G Antenna
本次调试结论如下: Conclusion as below	

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测试前准备工作 Readiness before testing

测试环境和天线安装位置 Testing environment and Antenna location on the product			
	修改方案示意图 <i>Circuit proposal</i>	物料实拍图 <i>Material Picture</i>	物料规格描述 <i>Material spec</i>

天线匹配电路
Matching Circuit



WIFI	
E1-(0201)	2NH
E2-(0201)	0欧姆 0Ω
E3-(0201)	0.8PF

测试内容和数据 Testing Items and Raw Data

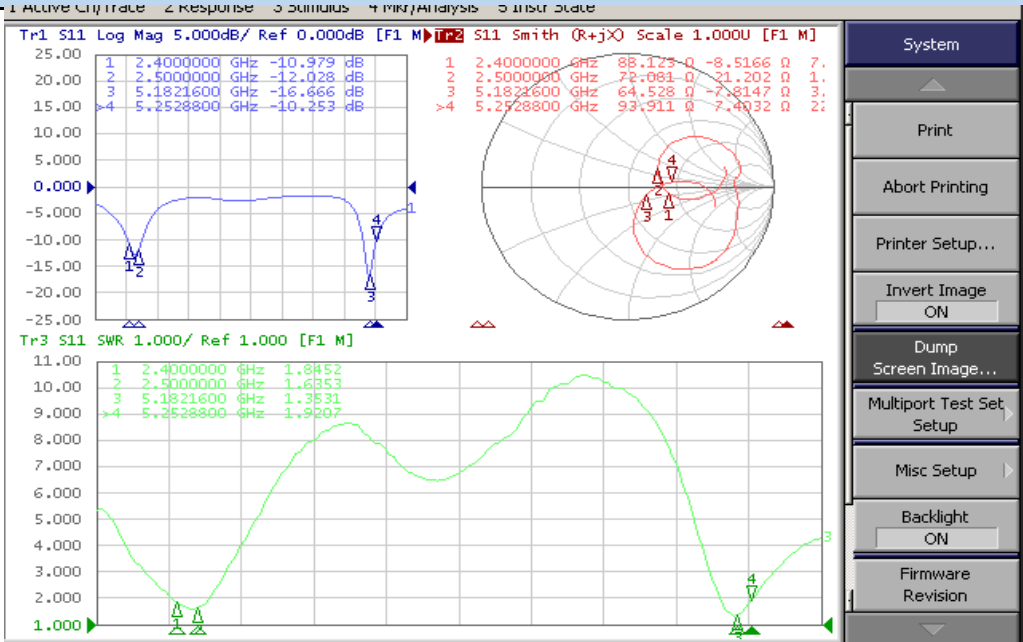
测试类型 Category

所属子项目 Test Item

测试数据 Testing Data

回波损耗
Return Loss

WIFI

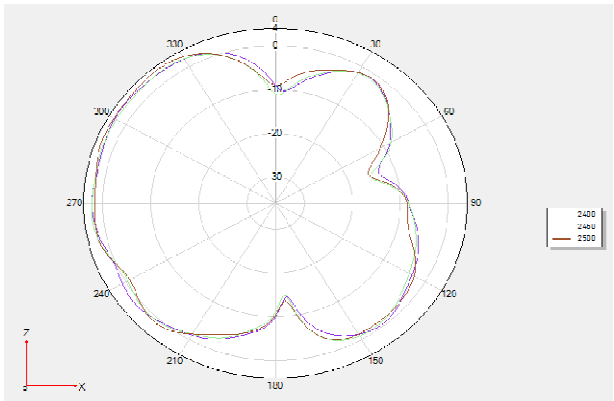
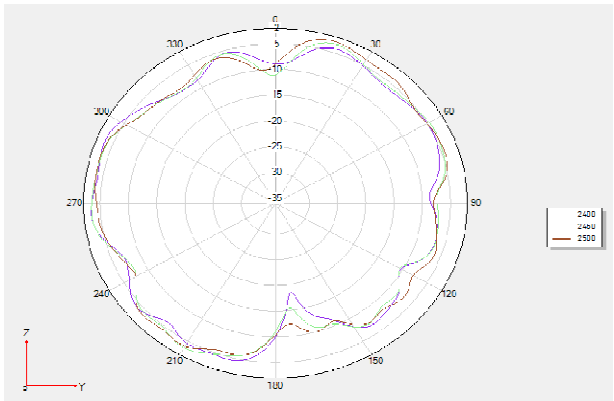
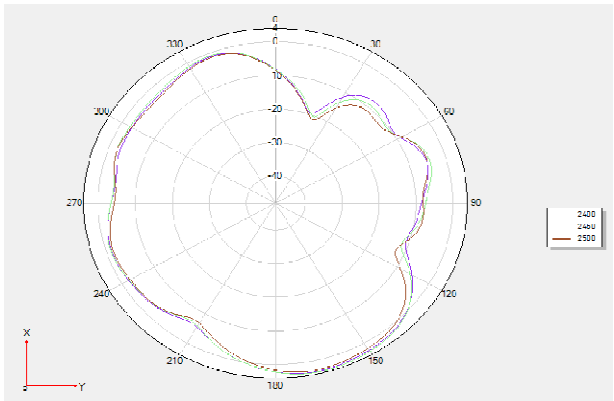
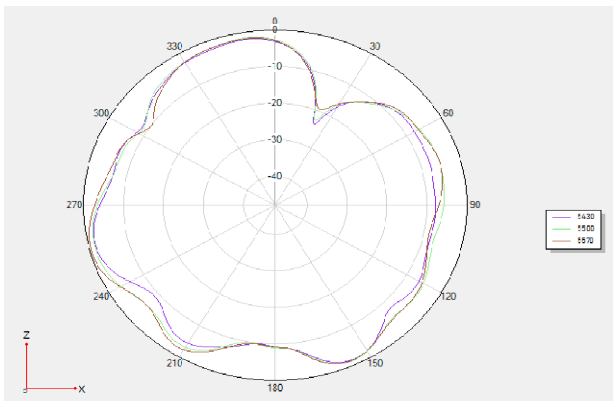
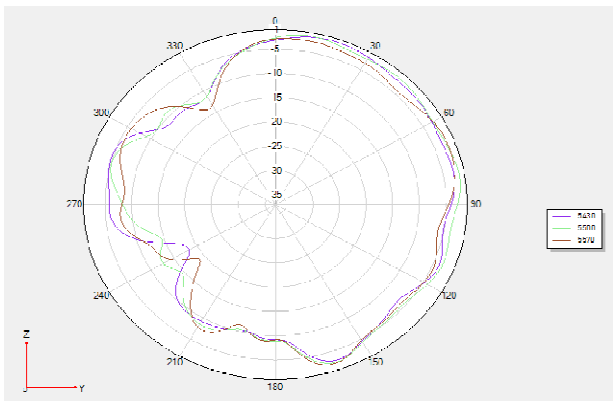
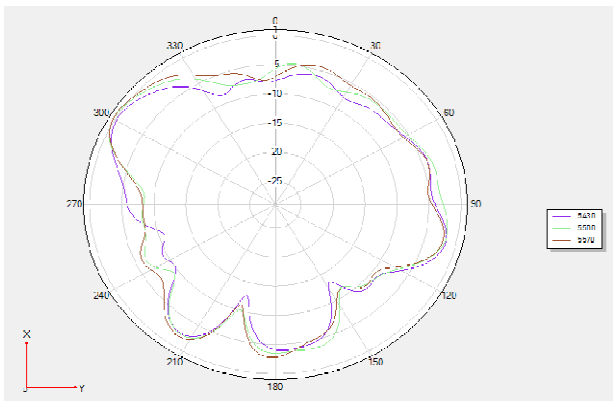
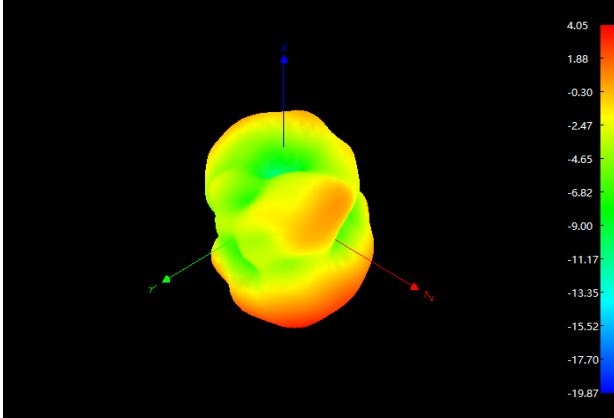
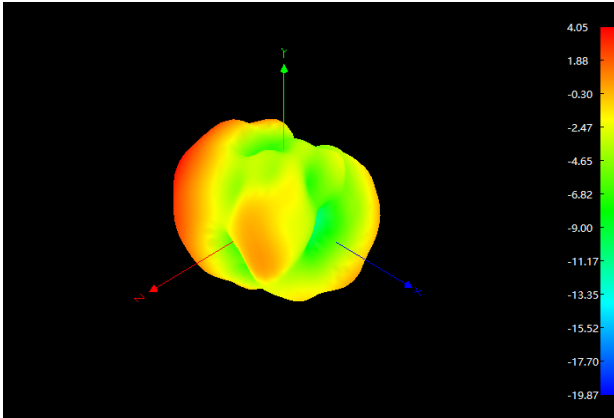
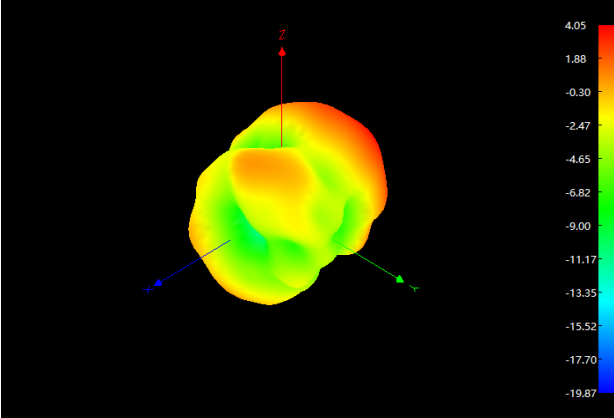
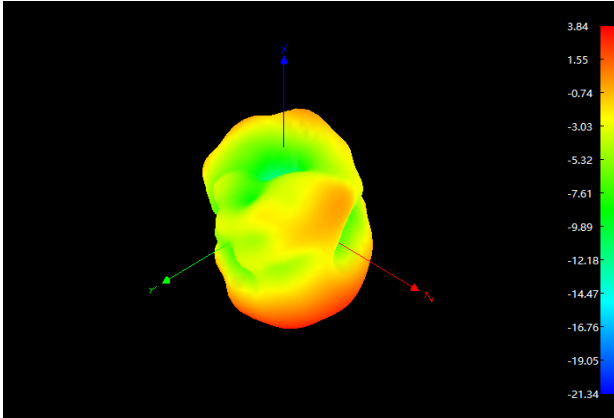
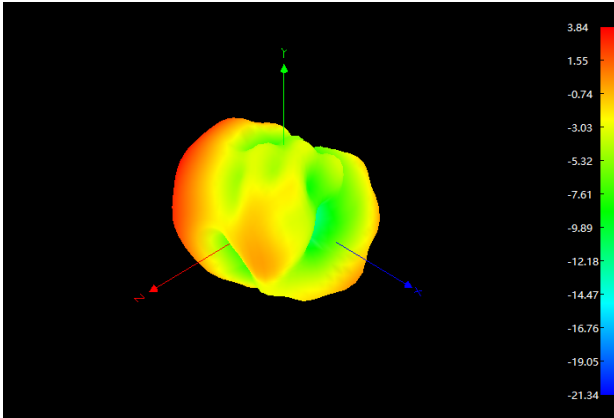
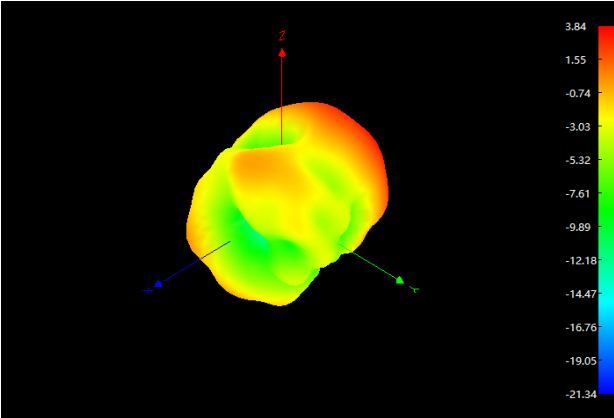


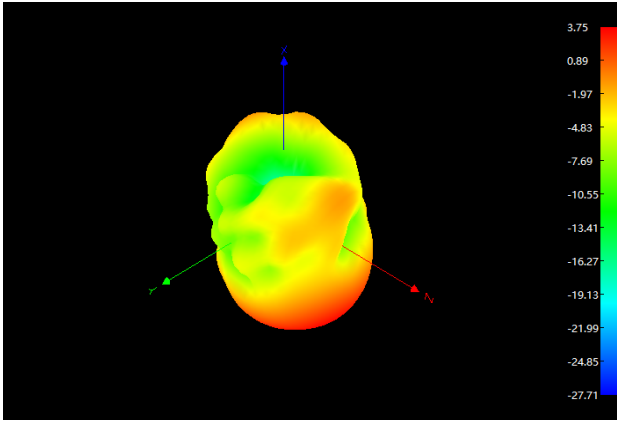
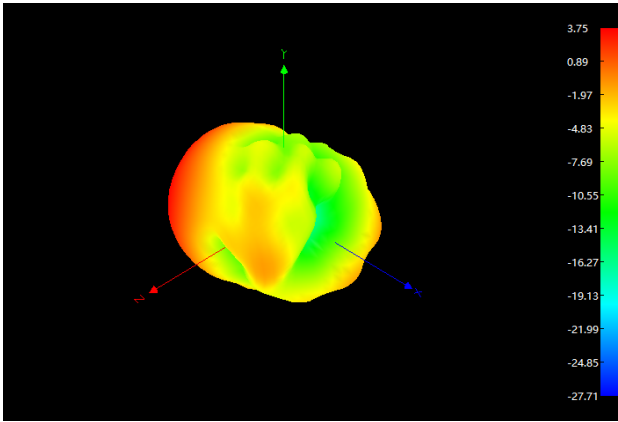
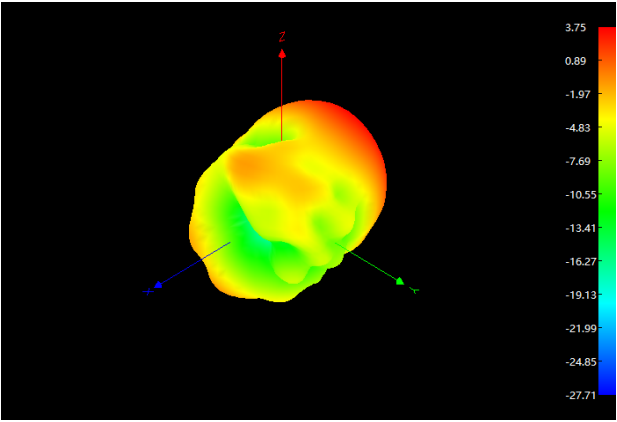
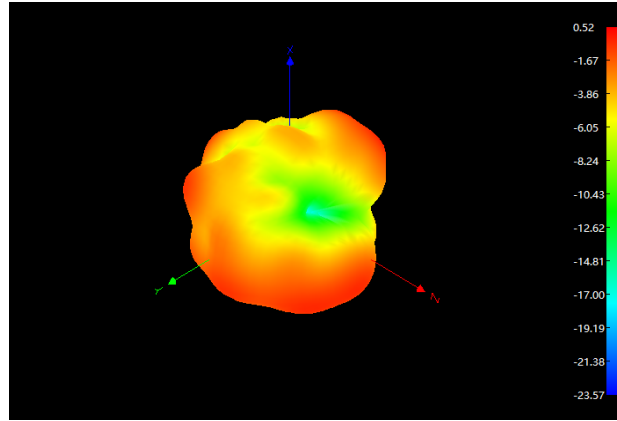
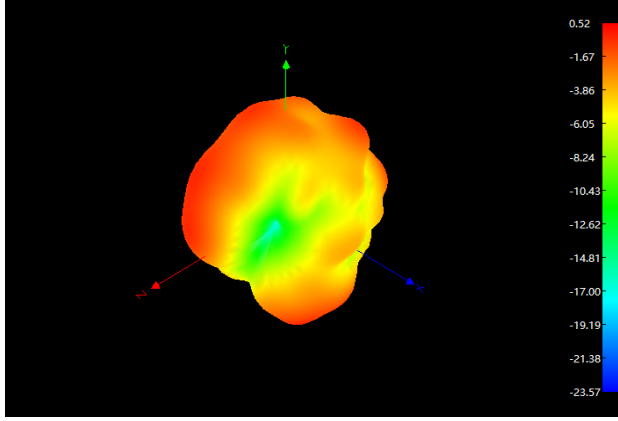
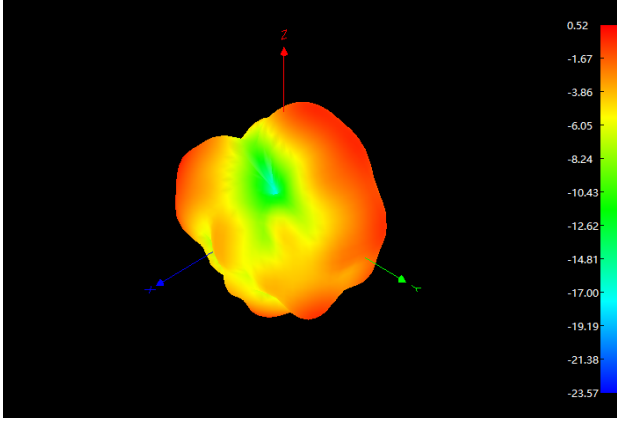
无源测试(自由空间)
Passive Test

天线效率测试
Antenna
Efficiency Test

WIFI

WIFI 2.4G			WIFI 5.8G		
Frequency / MHz	Gain/ dBi	Efficiency / %	Frequency / MHz	Gain/ dBi	Efficiency / %
2400	4.05	63.39	5150	-1.43	39.42
2410	3.71	64.57	5220	-1.99	38.58
2420	3.88	66.68	5290	-0.95	35.23
2430	4.16	66.83	5360	-1.15	37.86
2440	3.83	68.39	5430	0.49	40.79
2450	3.84	65.01	5500	0.52	40.67
2460	3.55	61.24	5570	0.39	38.18
2470	3.44	61.66	5640	-0.47	38.62
2480	3.29	61.52	5710	-1.31	35.59
2490	3.24	60.95	5780	-1.75	37.67
2500	3.75	66.99	5850	-1.71	37.78

	2D方向图 2D Directional Diagram	WIFI/2.4G	Phi=0° 	Phi=90° 	Theta=90° 
		WIFI/5.8G			
无源测试(自由空间) Passive Test	3D方向图 3D Directional Diagram	2400MHz			
		2450MHz			

无源测试(自由空间) Passive Test	3D方向图 3D Directional Diagram	2500MHz			
无源测试(自由空间) Passive Test	3D方向图 3D Directional Diagram	5500MHz			
制作人：龙琼 Prepared by		审核人：杨华 Reviewed by	签发批准：刘永坚 Approved by		日期： 2026年7月7日 Date

Antenna Size:

