

承认书 Acknowledgment Letter

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antenna testing

Customer	
Project Name	6220HL-IF
Customer NO.	
specification	6220HL-IF PCB Antenna
Supplier NO.	
Specification NO.	
Write by	zzq
REV.	Ver.1
Date	2026-8-2
Note	

Version change log				
Change date	Change content	version	Change person	Approved by

1. Recognition Letter Project Table (Index)

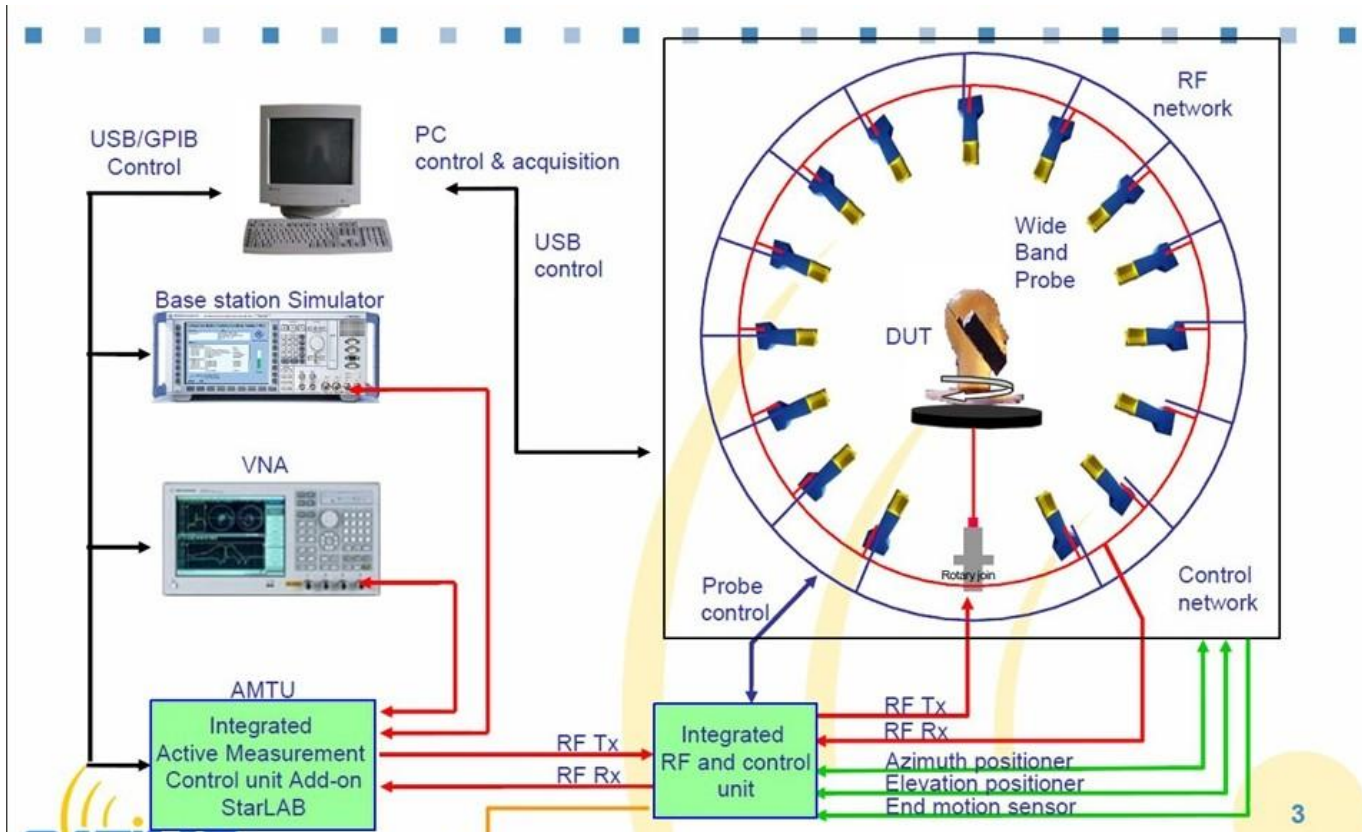
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(Test Equipment & Conditions)

1.1 . Network Analyzers : KEYSIGHT P5002A
1.2 . Communications Test Set: R&S CMW 500 /5071C

1.3 . 3D Chamber Test System: (24 probe testing system)

1. Testing principle diagram of microwave anechoic chamber



2. Explanation.

This report summarizes the electrical performance results of the antenna for the project, including the S11 parameters, Gain, and Efficiency of the antenna

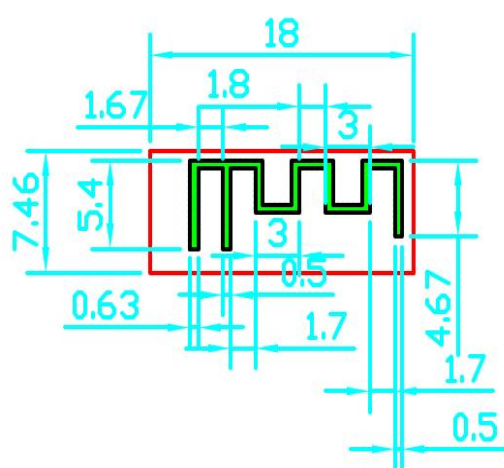
catalogue

1. Complete machine description
2. Debugging data report
3. Test data



Finished antenna diagram

REV	DESCRIPTION	DATE	APPROV
1.0	SAMPLE		



技术参数:

1. 材料: FR-4
2. 厚度: 1.0mm
3. PCB板层数: 4层板
4. 焊盘处理: 化学沉金
5. 板材: 无卤, TG150

技术要求:

1. 未标注圆角为R1.0mm;
2. 产品不可有变形, 划伤, 油污等缺陷, 除去所有批锋;
3. 板材防火阻燃等级为: 94V0;
4. 阻焊颜色: 蓝油; 字符颜色: 白色
5. 过孔处理: 塞油

NOTES:

1. 绿色为铜材质部分; 红色为基材; 黄色部分为镀镍区; 蓝色为背胶区域;
2. 刀模不可伤到线路, 镀镍区要与线路导通;
3. 表面不可以有污物、擦伤、黑点、镀金后断裂及脱落等不良现象;
4. 15. 16X8. 4MM为禁空区域.

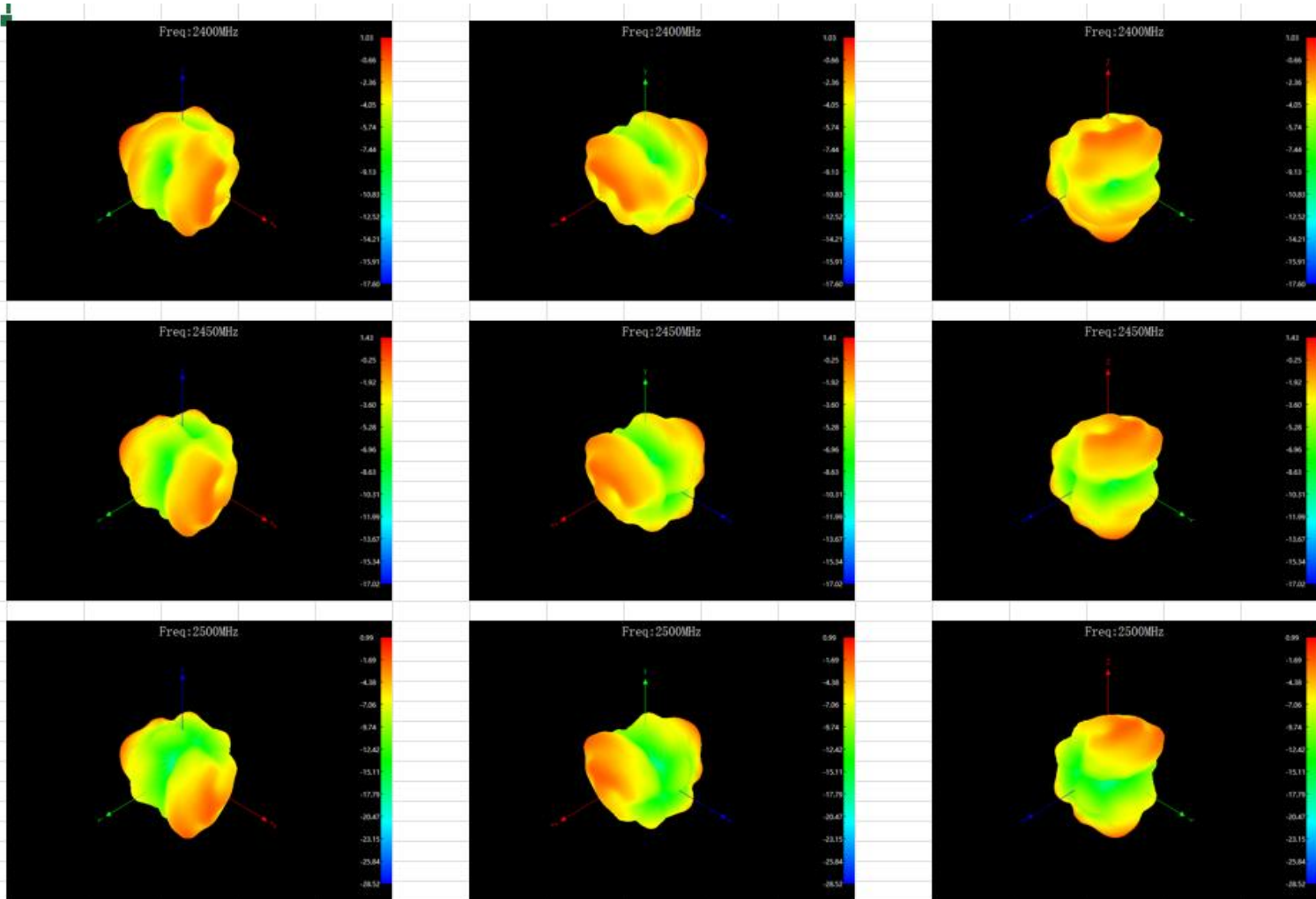
THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE DUPLICATED OR DISCLOSED TO OTHERS WITHOUT THE PRIOR WRITTEN PERMISSION OF FCC WIRELESS		DIMENSIONS ARE IN MM UNLESS OTHERWISE NOTED		欧智通科技股份有限公司	
MATERIAL:	DRAWN:	DATE:	2026/3/5	项目型号: 6220HL-IF-V3.0	
FINISH:	CHECKED:	DATE:			
NEXT ASSY:	DESIGNED:	DATE:		SCALE: 1:1	unit:mm

antenna S11

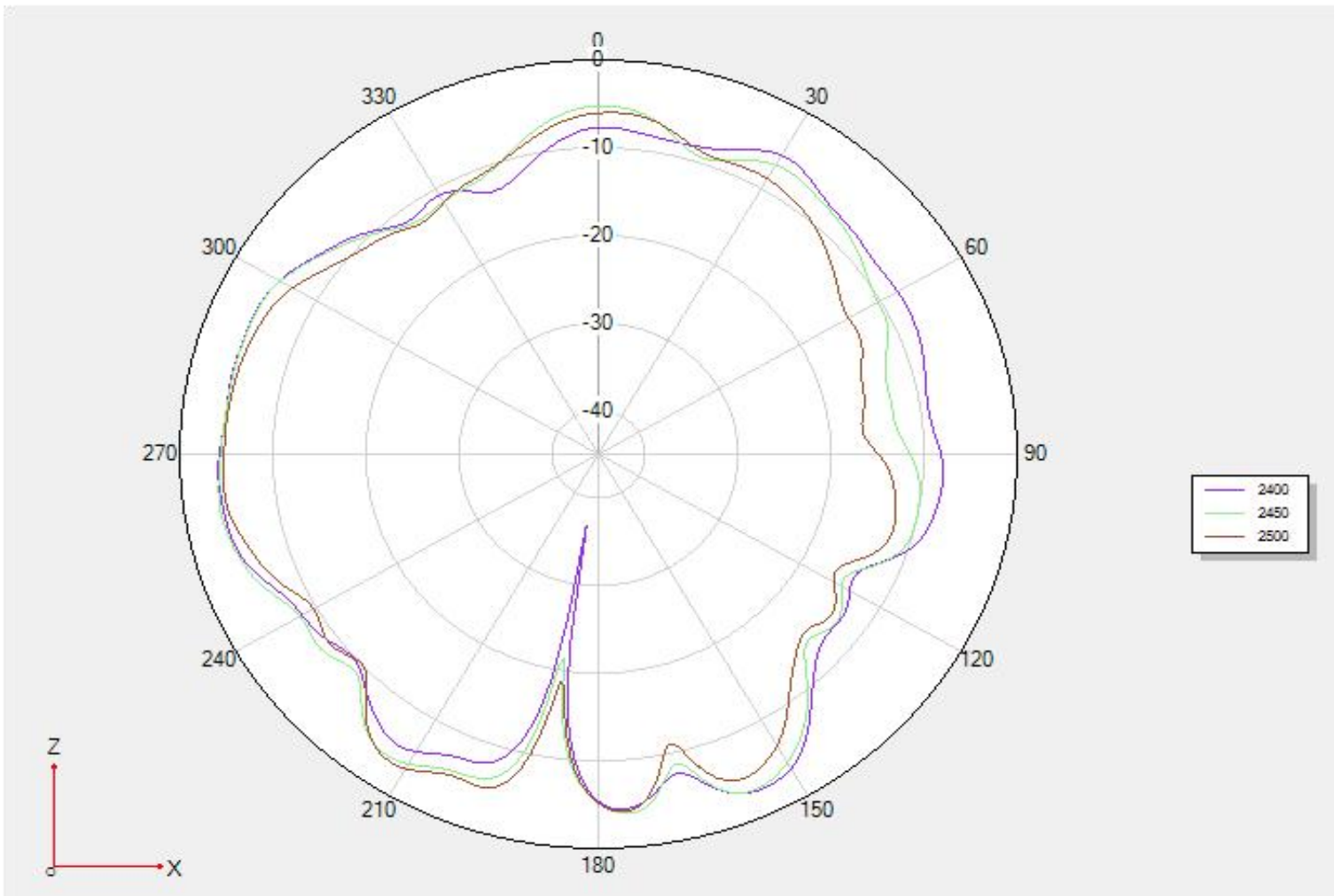
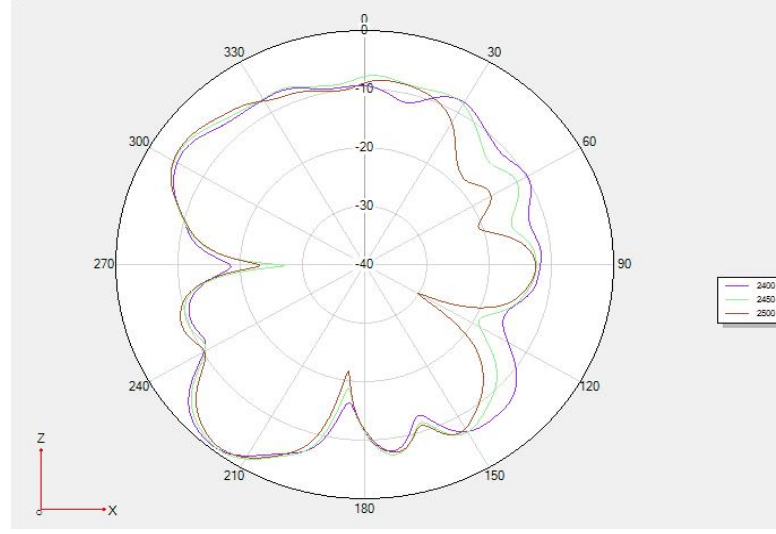
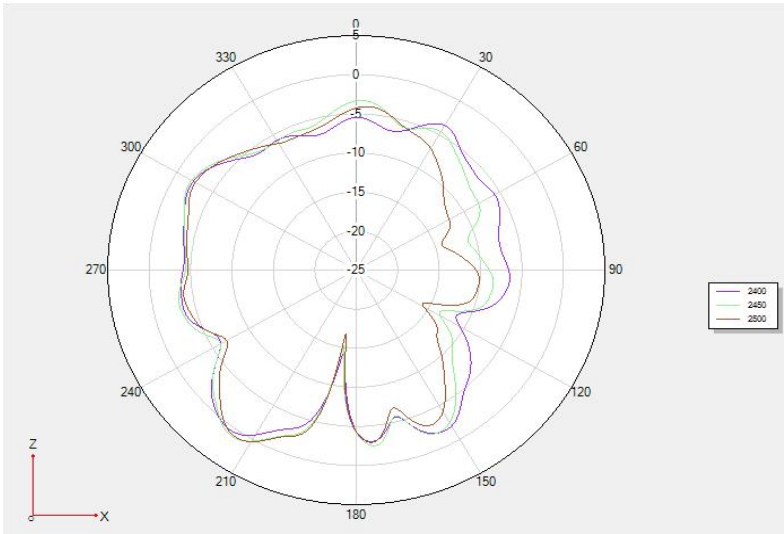


Freq/GHz	2412	2442	2472
VSWR	-14.39	-16.73	-13.85

Frequency/Mhz	MaxGain/dBi	Efficiency / %
2400	1.03	41.59
2410	1.11	43.05
2420	1.37	44.98
2430	1.44	46.99
2440	1.58	49.09
2450	1.43	49.09
2460	1.4	46.99
2470	1.41	44.36
2480	1.27	41.69
2490	1.15	38.82
2500	0.99	35.89



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