

ABM01 Antenna Test Report

versions:V1.0 2025/05/22

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2 版本摘要 Version summary

3 无源数据 Antenna power-down test data

4 测试环境&天线安装位置 Test environment and antenna installation

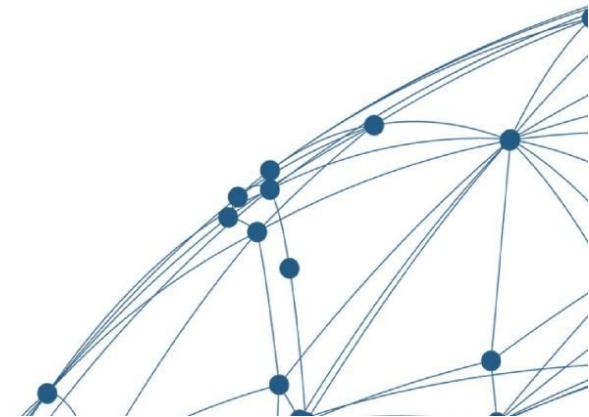
5 总结&附件说明 Summary & Attachment Notes

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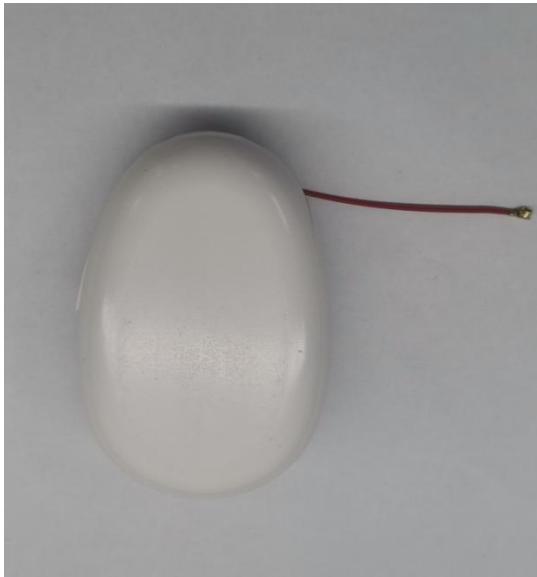
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项目样机展示
Prototype demonstration



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项目调试简介 Project Brief Introduction

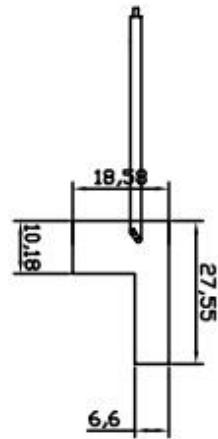
Model	ABM01				
Plate type	PCB				
Frequency band and antenna material	Antenna	Frequency	texture	Antenna type	Match modifications
performance requirement	Customer standards				



版本摘要 Version summary

Report version	report time	The problems addressed by this antenna research and development
V1.0	2025-05-22	Antenna passive testing

Antenna Size



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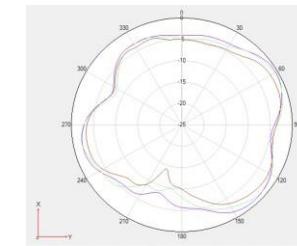
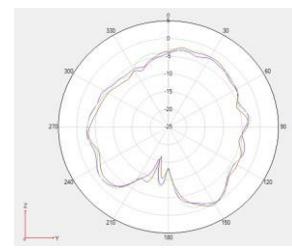
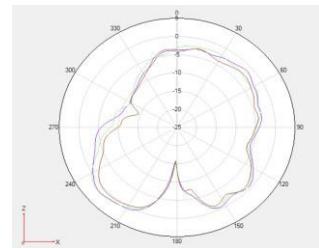
Passive test data-2.4G

增益和效率 Gain&Efficiency==		
频率(MHz) Frequency	效率(%) Efficiency	增益 (dBi) Gain
2400	52.24	2.23
2410	52.97	2.48
2420	51.64	2.47
2430	50.82	2.41
2440	51.64	2.62
2450	48.75	2.44
2460	47.86	2.36
2470	48.53	2.29
2480	48.19	2.03
2490	48.42	1.88
2500	44.46	1.54

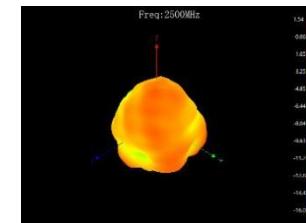
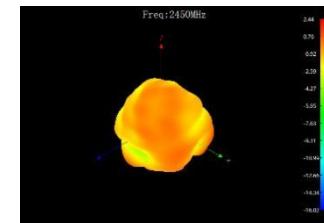
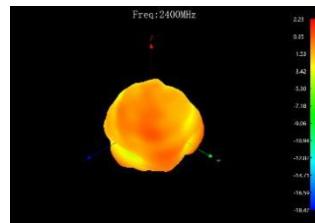


OTA Passive parameter radiation diagram

2D 2D 2D



3D Radition pattern



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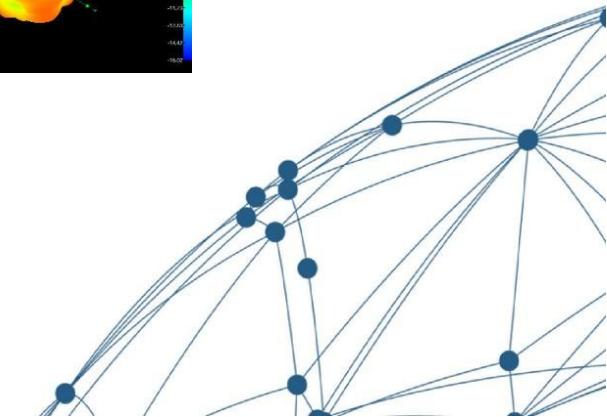
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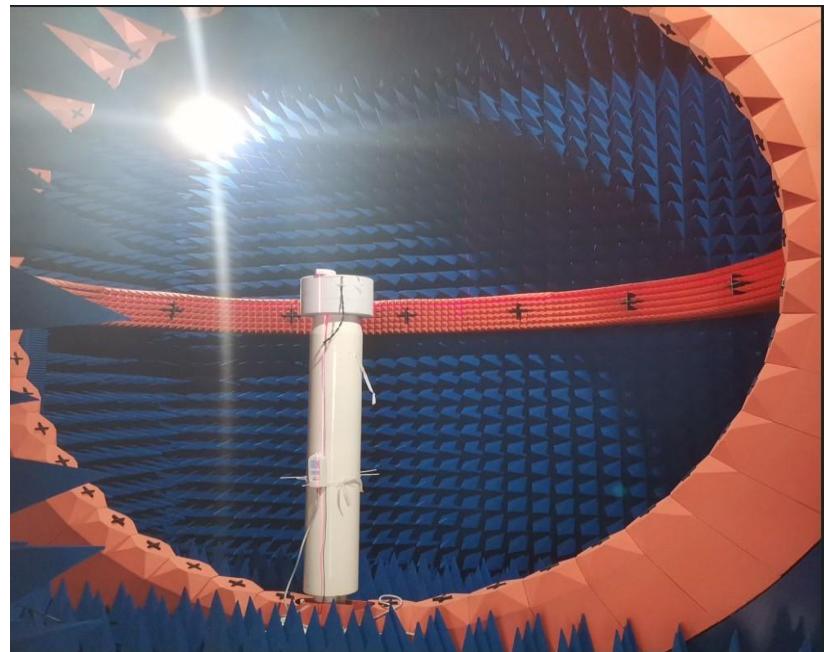
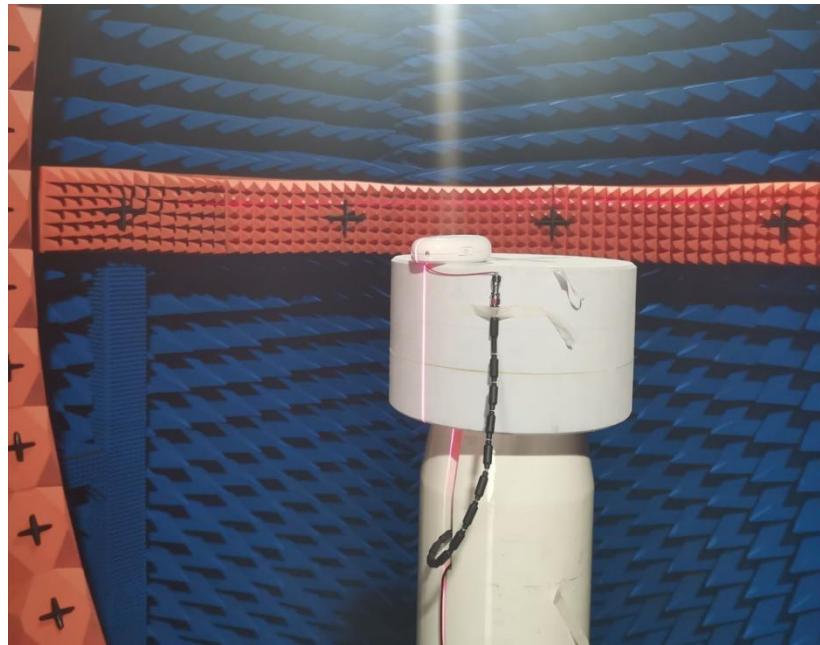
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OTA testing environment



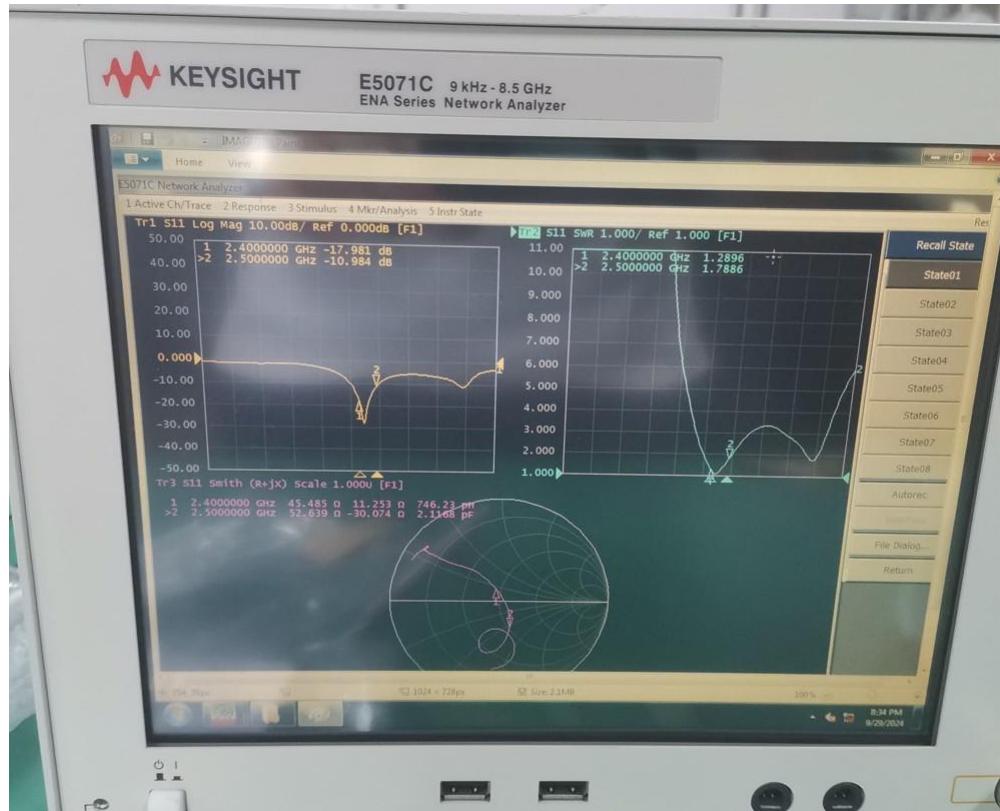
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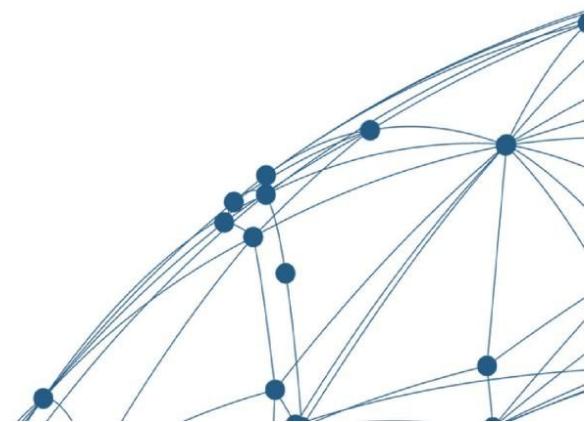
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频段 Fre (GHz)	2.4G
回波损耗 Return loss(dB)	-16.73
驻波比(dBm)	1.36





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