

ABM01 Antenna Test Report

versions:V1.0 2025/05/22



1 项目简介Project Brief Introduction

2 版本摘要Version summary

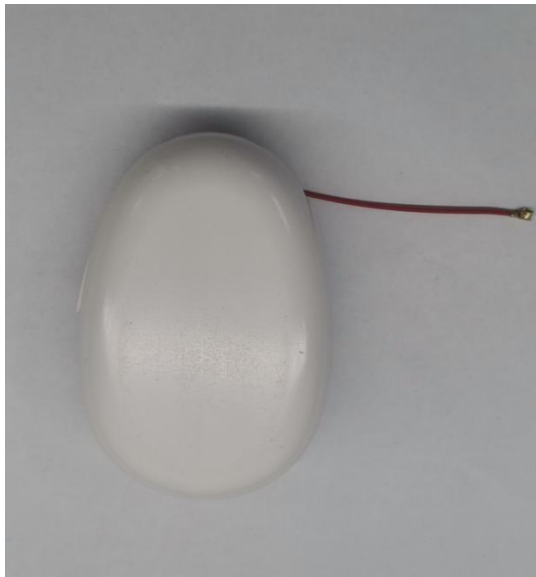
3 无源数据Antenna power-down test data

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



项目样机展示
Prototype demonstration



项目调试简介Project Brief Introduction

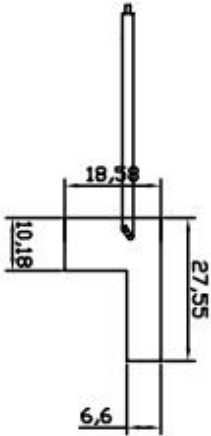
Model	ABM01				
Plate type	PCB				
Frequency band and antenna material	Antenna	Frequency	texture	Antenna type	Match modifications
		2400-2500Mhz	FPC	/	N
performance requirement	Customer standards				



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



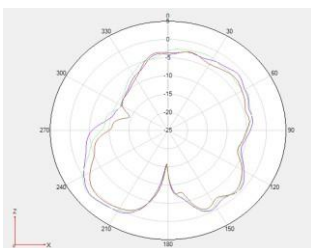
Passive test data-2.4G

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

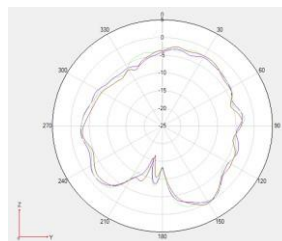


OTA Passive parameter radiation diagram

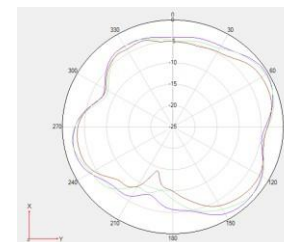
2D



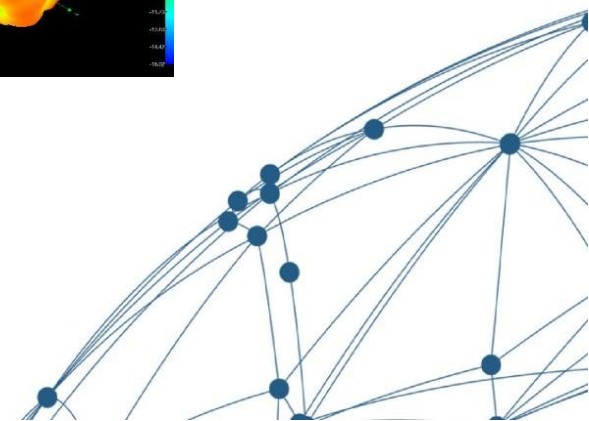
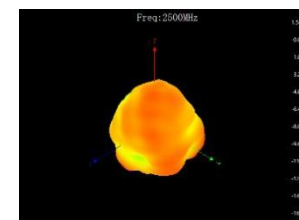
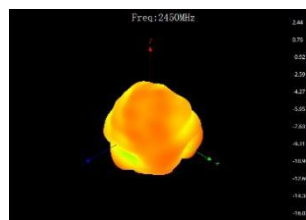
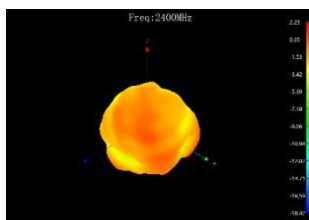
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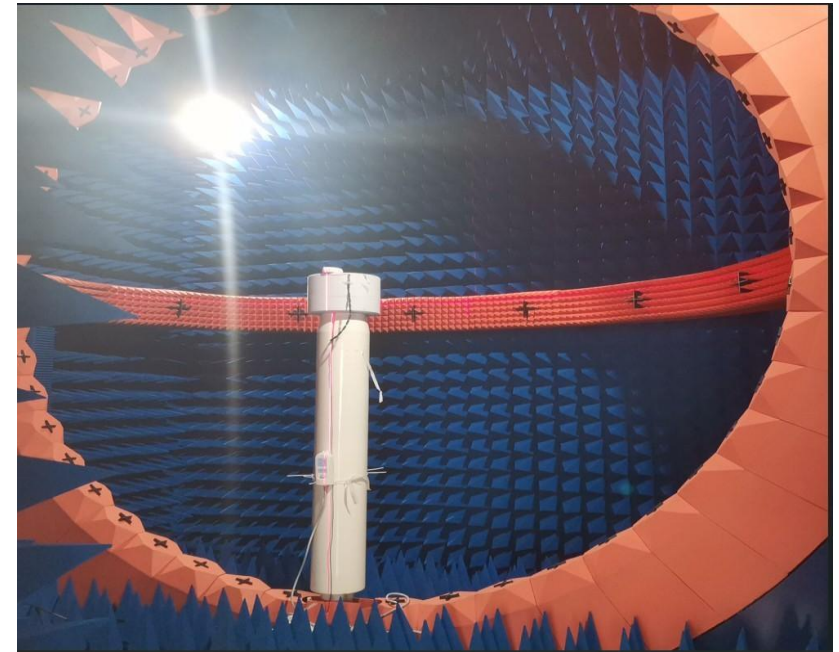
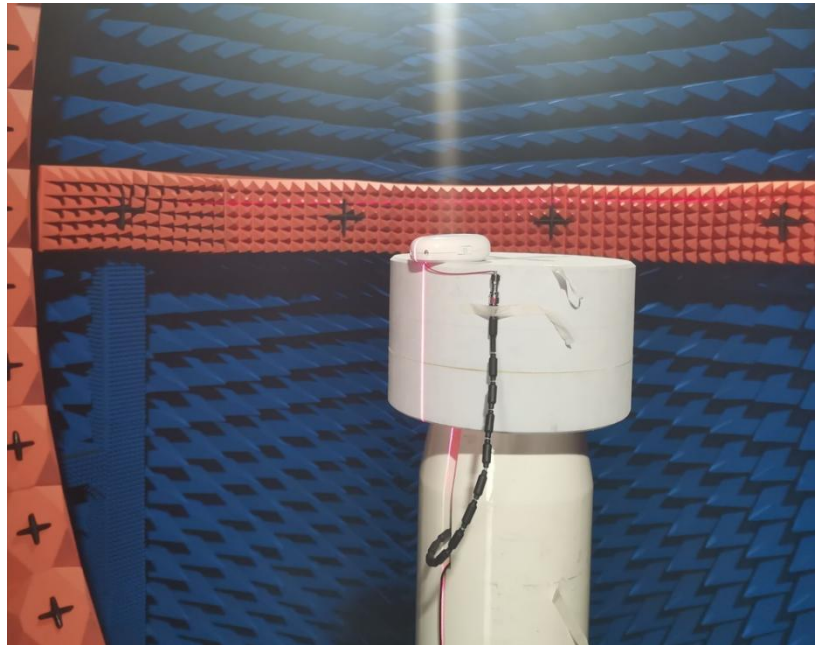
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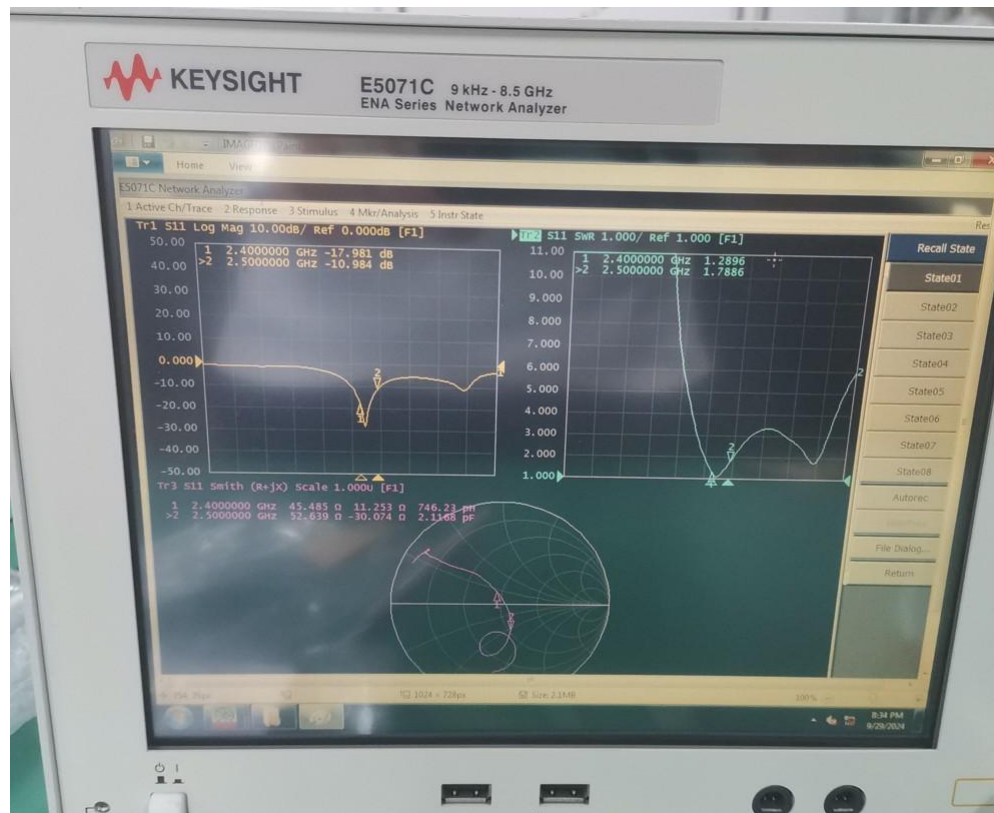


3D Radition pattern



OTA testing environment





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



