



W16天线无源测试报告

Antenna Design And Test Report



报告版本: V1.0

报告日期: 2024年9月14日星期六



目录

CONTENTS

01

项目概述

Project Overview

02

测试环境

Test Environment

03

匹配电路

Matching Circuit

04

环境处理

Environmental
Treatment

05

无源报告

Active Report

06

总结

Conclusion

07

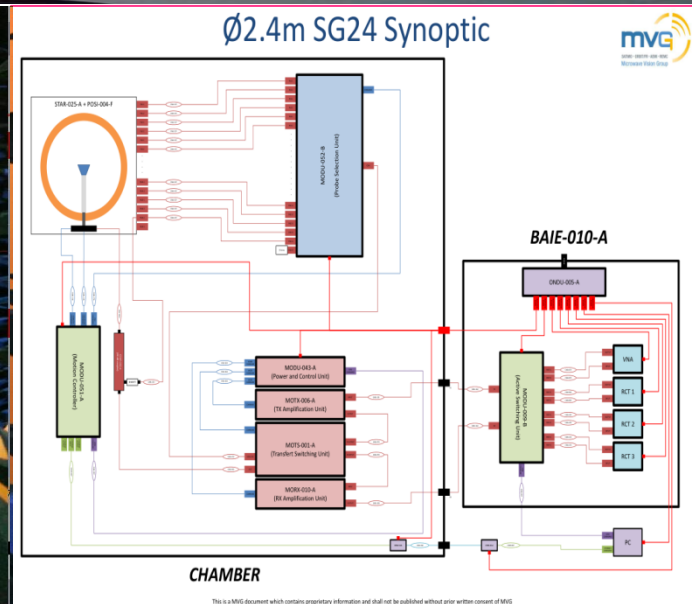
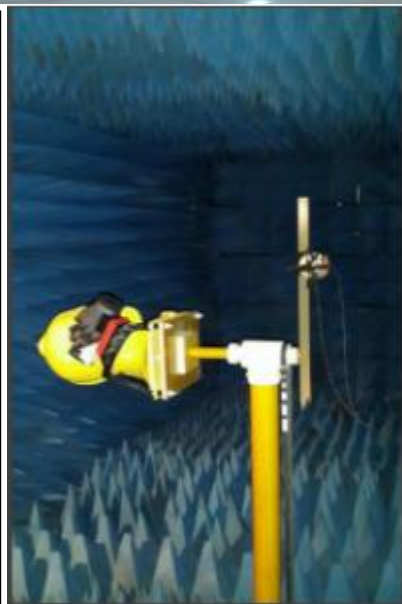
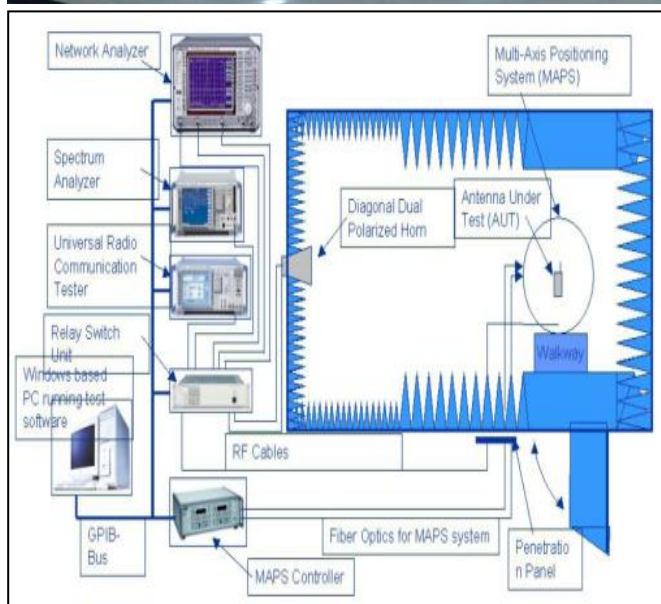
附加说明

Additional Notes



主天线设计频段: main antenna design spectrum	2400-2500	报告版本: Report version	日期 Date	内容 Content
天线类型: Type of antenna		V1.0	2024.9.14	天线无源调试测试报告

测试环境 Test Environment



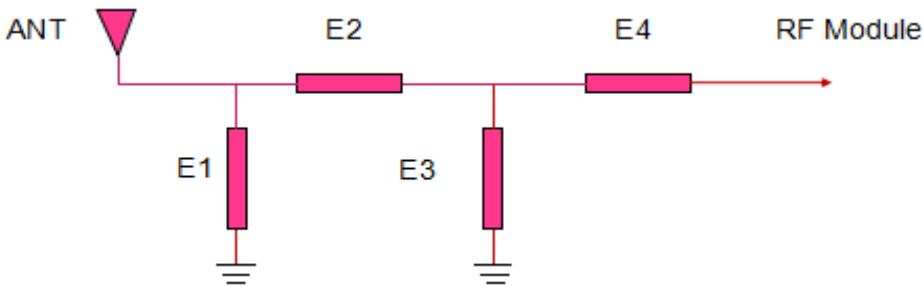
3座远场3D全电波微波暗室实验室系统，1座MVG SG24LT (Satmio) 近场3D微波暗室实验室系统（与国家相关实验室同步）



主天线匹配电路 Matching Circuit

主天线设计: main antenna design	
元件 Element	值 Value
E1(0201):	1.8PF
E2(0201):	0Ω
E3(0201):	N/A
E4(0201):	0Ω

备注：匹配电路有更改。





BT			
Frequency	Efficiency	Efficiency . dB	Gain . dB
2400	13%	-9.01	-5.04
2410	14%	-8.62	-4.54
2420	15%	-8.30	-4.32
2430	16%	-8.00	-4.13
2440	17%	-7.72	-3.72
2450	19%	-7.31	-3.24
2460	20%	-6.95	-2.87
2470	21%	-6.79	-2.71
2480	22%	-6.53	-2.31
2490	23%	-6.33	-2.10
2500	24%	-6.16	-1.81





The mobile phone uses BT to connect the watch to play music
within 15M without noise and disconnection
Call distance is 10 meters
Play music 10 meters





总结 Conclusion



- The above is the sample test data.
- If you have any questions, please call. Thank you.