



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



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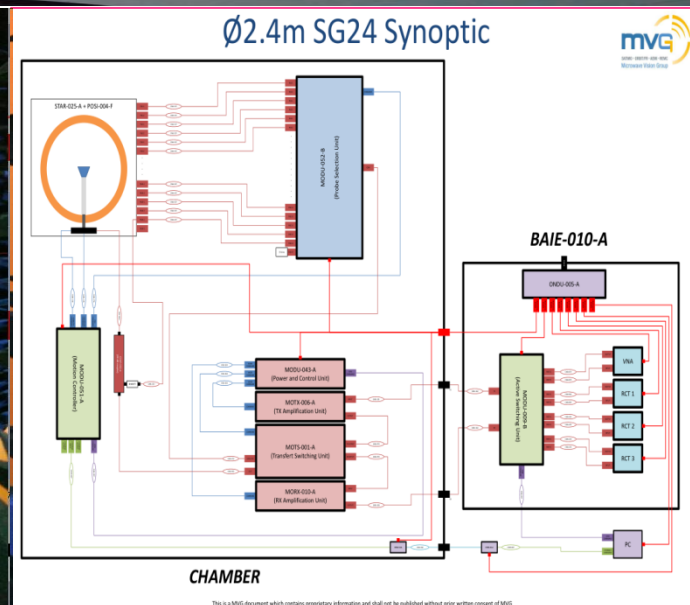
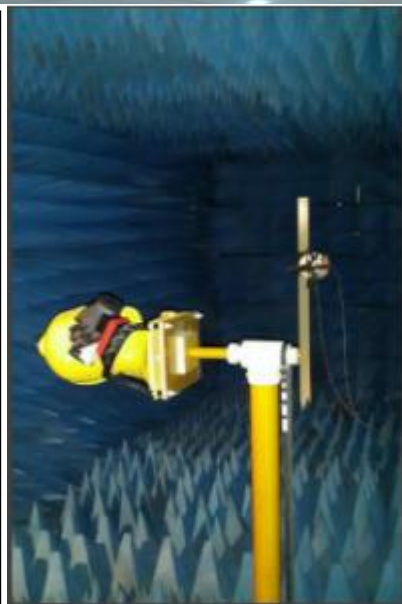
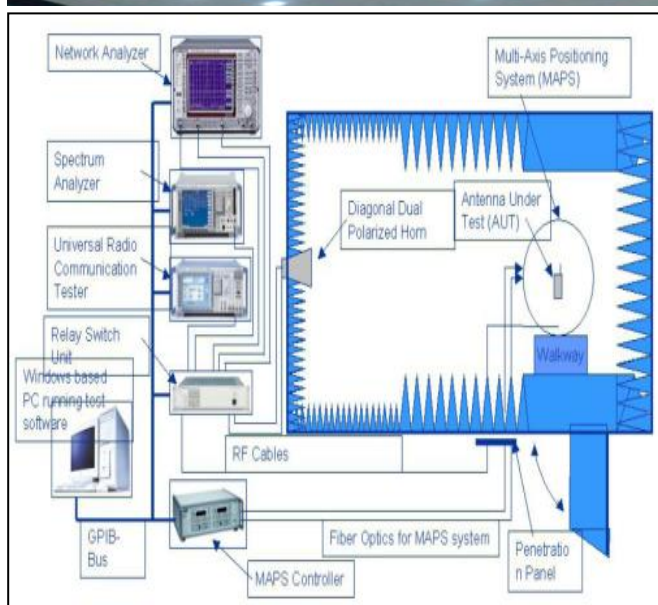
附加说明

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



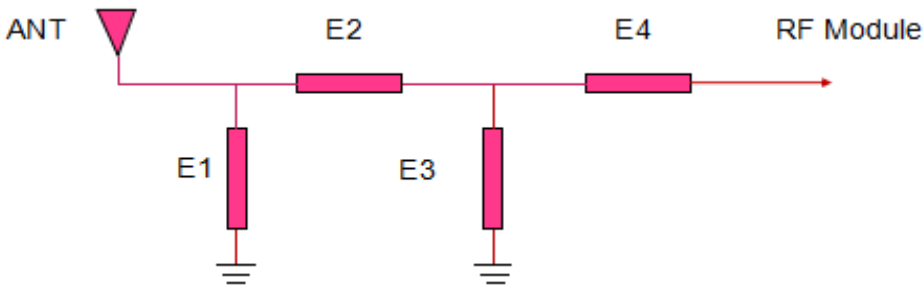
3座远场3D全电波微波暗室实验室系统，1座MVG SG24LT (Satmio) 近场3D微波暗室实验室系统（与国家相关实验室同步）



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.