



亿道 I16J 天线设计和试验报告

Antenna Design And Test Report

报告调试版本：V3.0

报告日期：2022年12月26日星期一



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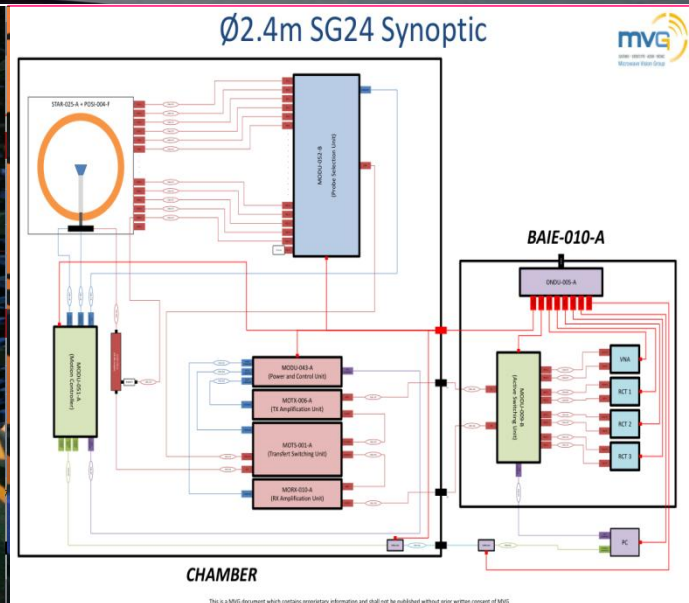
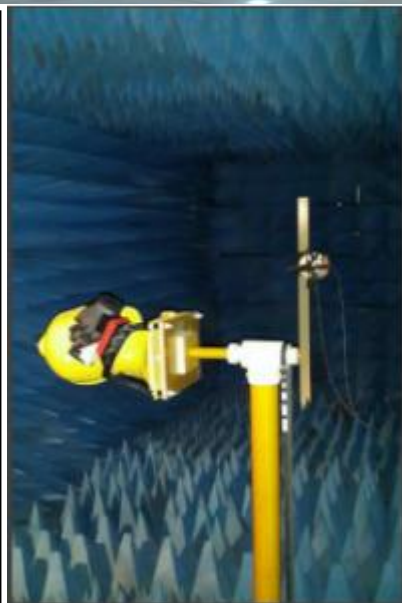
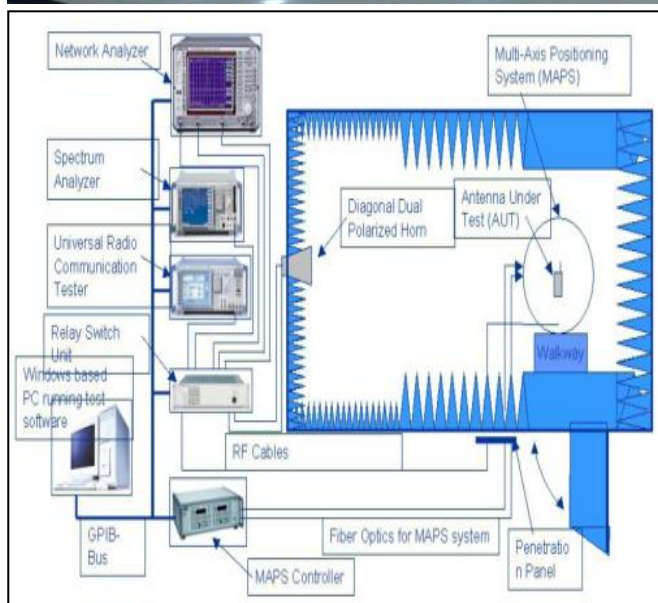
附加说明

Additional Notes



主天线设计频段: main antenna design spectrum	WCDMA:W1/5/8 LTE:B1/3/5/7/8/20/40
天线类型: Type of antenna	PIFA
副天线设计频段: Deputy antenna design spectrum	WIFI/GPS/BT
天线类型: Type of antenna	PIFA
分集天线频段: Frequency diversity antenna	LTE
天线类型: Type of antenna	PIFA

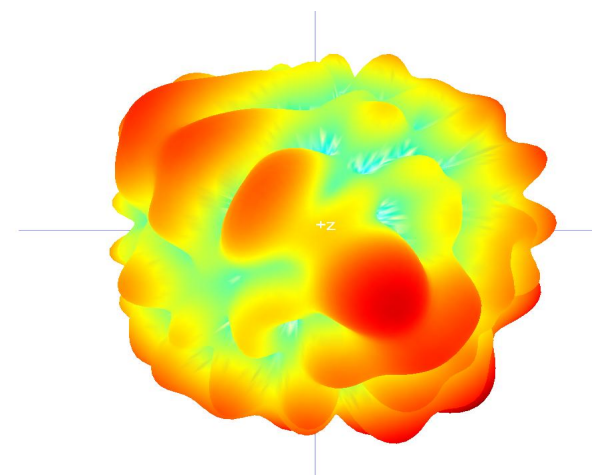
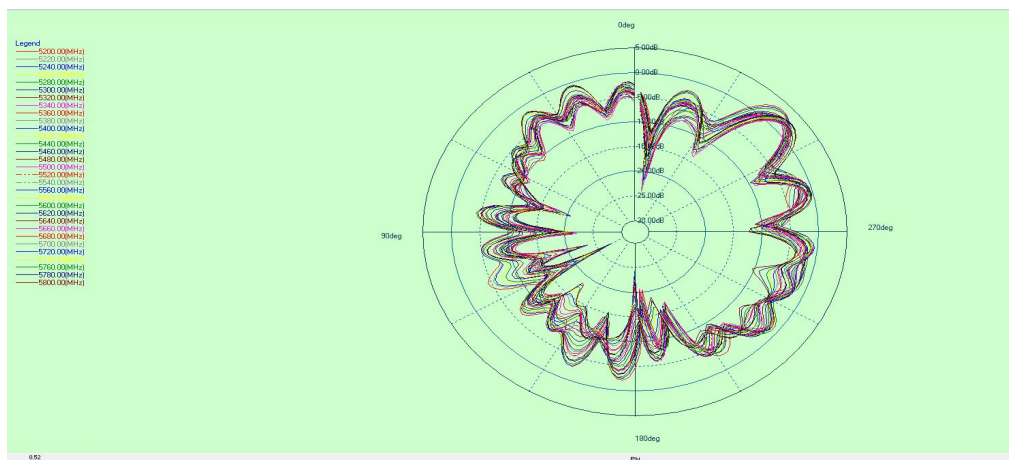
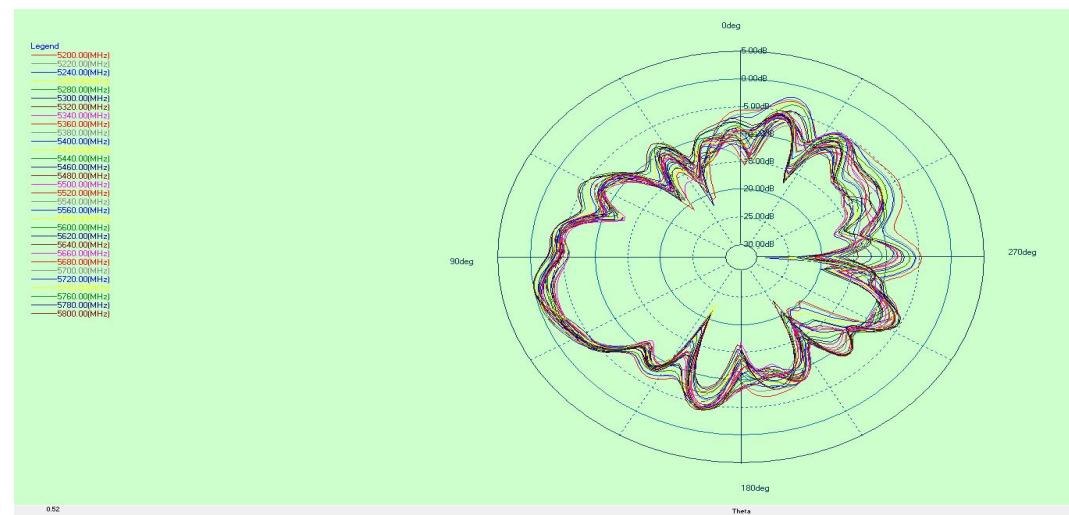
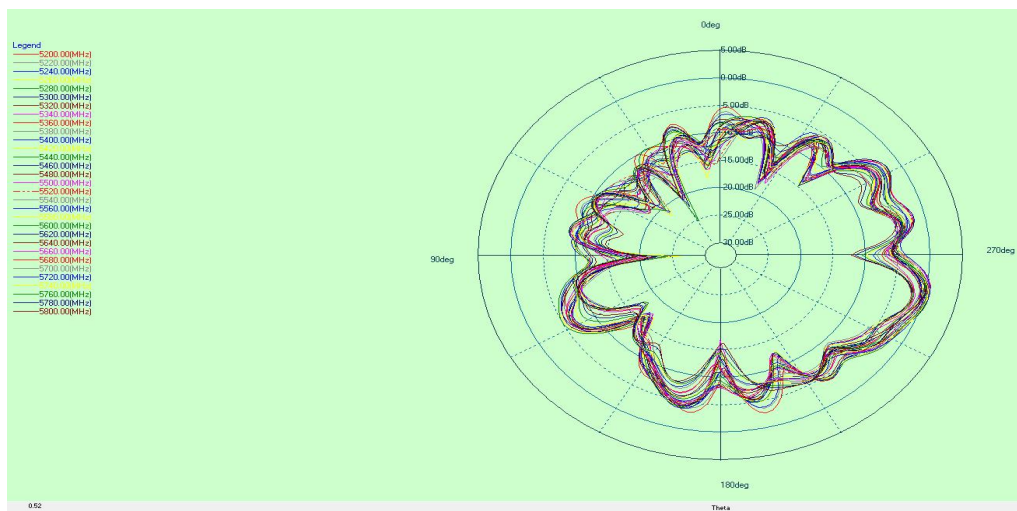
报告版本: Report version	日期 Date	内容 Content
V3	2022.12.26	无源测试报告



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）

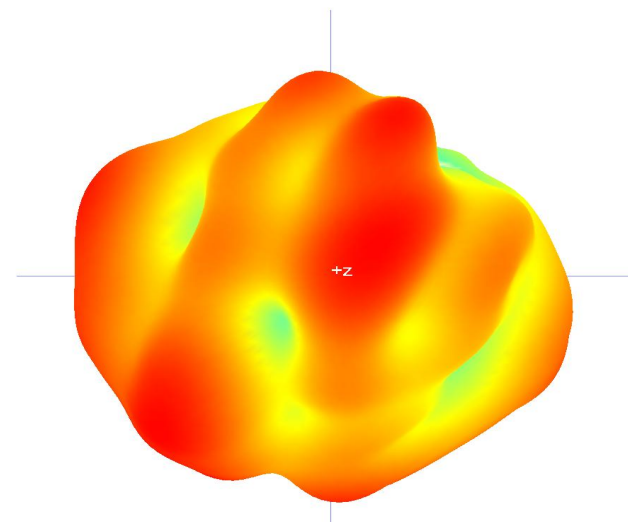
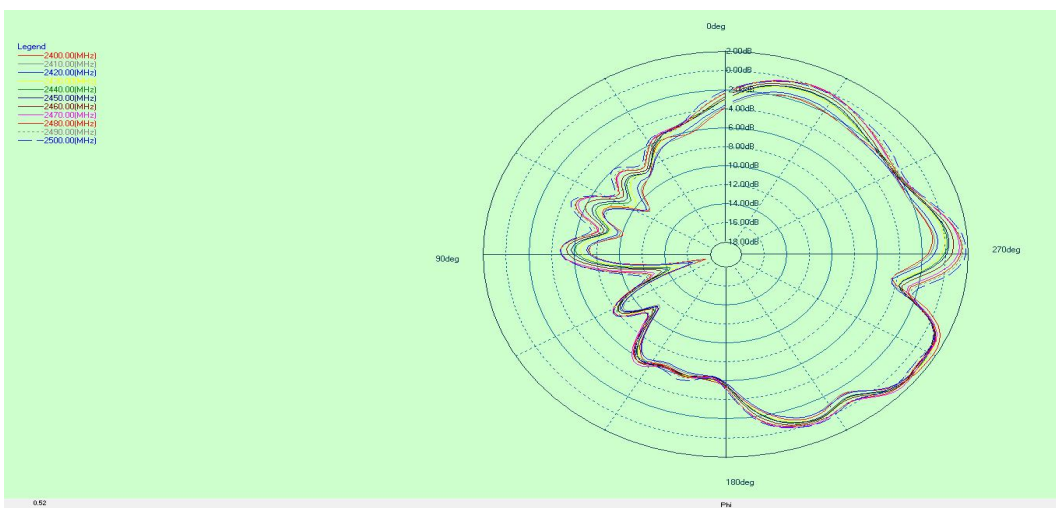
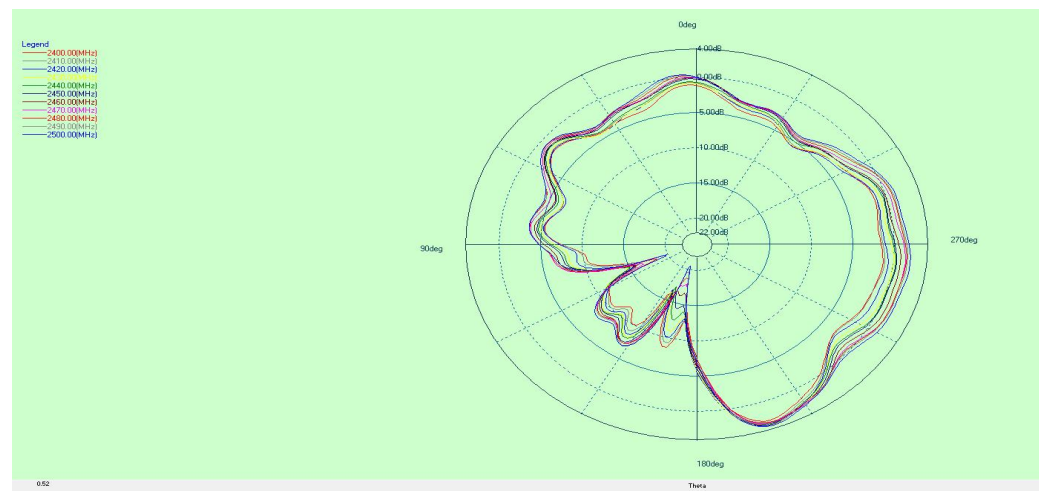
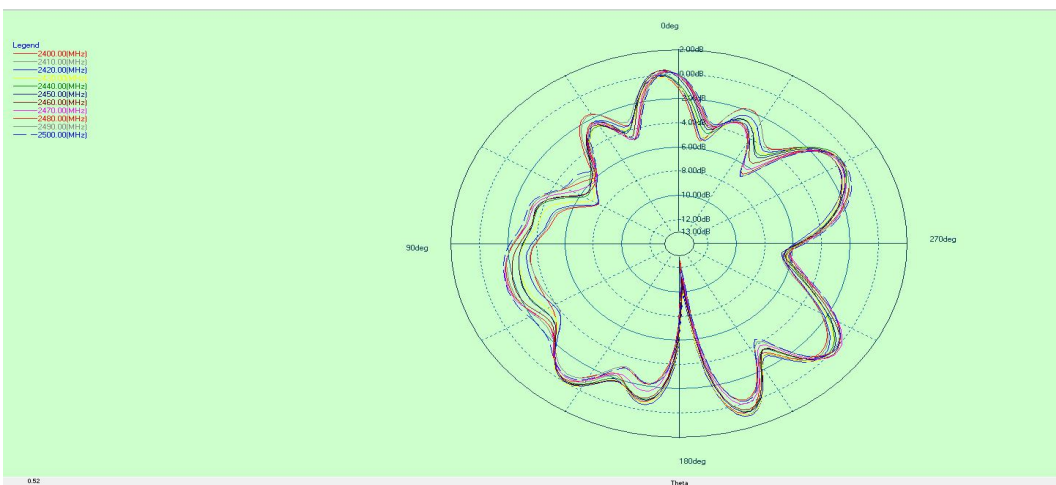
Frequency	Efficiency	Efficiency . dB	Frequency	Gain . dB
5.2E+09	51.64%	-2.86974	5.2E+09	5.949948
5.23E+09	48.72%	-3.12307	5.23E+09	5.916506
5.26E+09	47.68%	-3.21698	5.26E+09	6.180013
5.29E+09	45.75%	-3.39562	5.29E+09	6.240039
5.32E+09	41.89%	-3.77931	5.32E+09	5.965978
5.35E+09	36.51%	-4.37589	5.35E+09	5.66146
5.38E+09	38.20%	-4.1798	5.38E+09	6.349892
5.41E+09	43.89%	-3.57633	5.41E+09	7.117208
5.44E+09	49.60%	-3.04496	5.44E+09	7.719039
5.47E+09	49.51%	-3.0527	5.47E+09	7.53817
5.5E+09	52.08%	-2.8331	5.5E+09	7.877809
5.53E+09	53.73%	-2.6976	5.53E+09	8.026926
5.56E+09	51.68%	-2.86648	5.56E+09	7.808664
5.59E+09	45.11%	-3.45749	5.59E+09	7.124908
5.62E+09	40.28%	-3.94963	5.62E+09	6.668722
5.65E+09	38.18%	-4.18172	5.65E+09	6.644015
5.68E+09	38.00%	-4.20206	5.68E+09	6.947468
5.71E+09	37.18%	-4.29643	5.71E+09	7.044419
5.74E+09	38.87%	-4.10412	5.74E+09	7.470826
5.77E+09	42.36%	-3.73032	5.77E+09	7.911832
5.8E+09	40.61%	-3.9138	5.8E+09	7.66668

WIFI5.8G方向图 苹果图



Frequency	Efficiency	Efficiency . dB	Frequency	Gain . dB
2.4E+09	57.07%	-2.43616	2.4E+09	1.597013
2.41E+09	56.42%	-2.48561	2.41E+09	1.535994
2.42E+09	55.38%	-2.56612	2.42E+09	1.589168
2.43E+09	58.17%	-2.35304	2.43E+09	1.460129
2.44E+09	59.23%	-2.27483	2.44E+09	1.599262
2.45E+09	58.98%	-2.29322	2.45E+09	1.674941
2.46E+09	60.02%	-2.21728	2.46E+09	2.226916
2.47E+09	63.14%	-1.99716	2.47E+09	2.697354
2.48E+09	63.97%	-1.94006	2.48E+09	2.613742
2.49E+09	64.47%	-1.90637	2.49E+09	2.588698
2.5E+09	66.81%	-1.7516	2.5E+09	2.857496

WIFI2.4G方向图 苹果图





- 1.以上是WIFI天线无源报告
- 2.如有疑问，可以电话沟通，谢谢.



01

报告中天线匹配电路是否改动，天线有关的环境处理是否增加，将直接影响天线性能，请仔细确认查看。

02

贵司如有最新试产或更新产品（如软件，**ESD**，物料等）请尽快提供我司进行验证，以确认天线性能是否有变化影响。

03

倘若贵司需要送第三方检测机构复测或客户测试，请务必先与我司进行天线相关测试确认，因主板•装配的一致性，以及天线组装的差异等因素，均可能导致天线参数的偏差。

谢谢

THANK YOU

如有疑问 请联系我们

日常服务时间：周一至周六 9:00-18:00

总机热线：0755-36615535 销售热线：0755-36615535 传真：0755-82916227

 网址：www.mayaant.com

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