



X1天线增益报告

Antenna Design And Test Report

报告调试版本：V1.0

报告日期：2022年11月30日星期三

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项目概述

主天线设计频段:
main antenna design
spectrum

4G

报告版本:
Report version

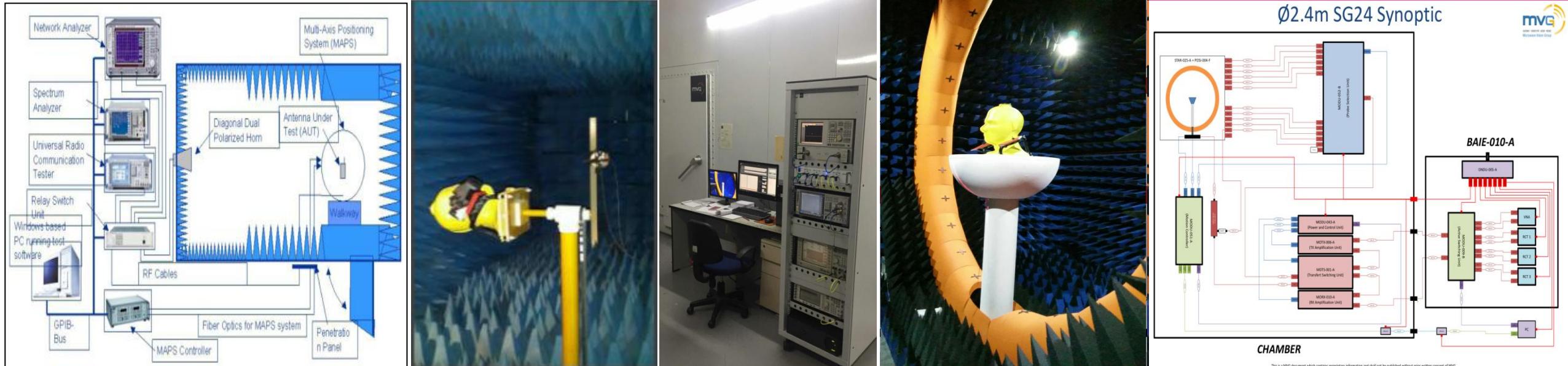
V1

日期
Date

2022.11.30

内容
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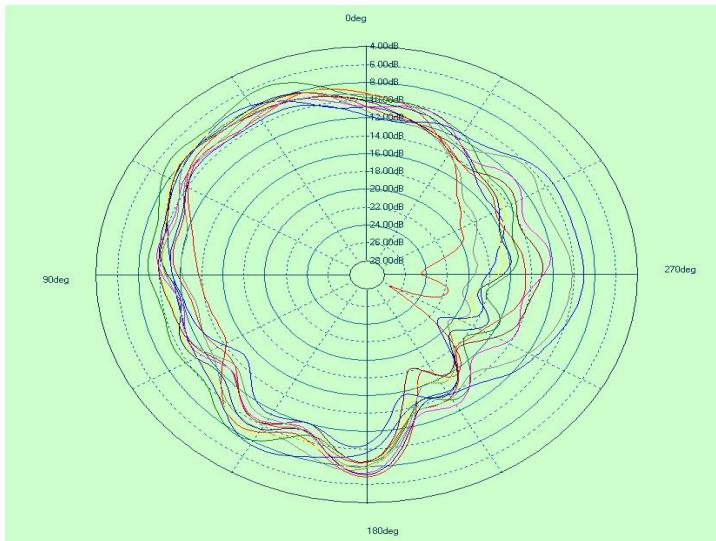
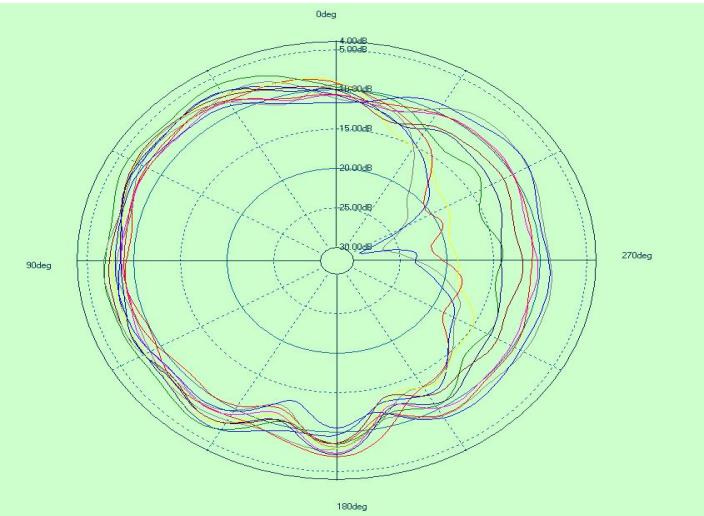
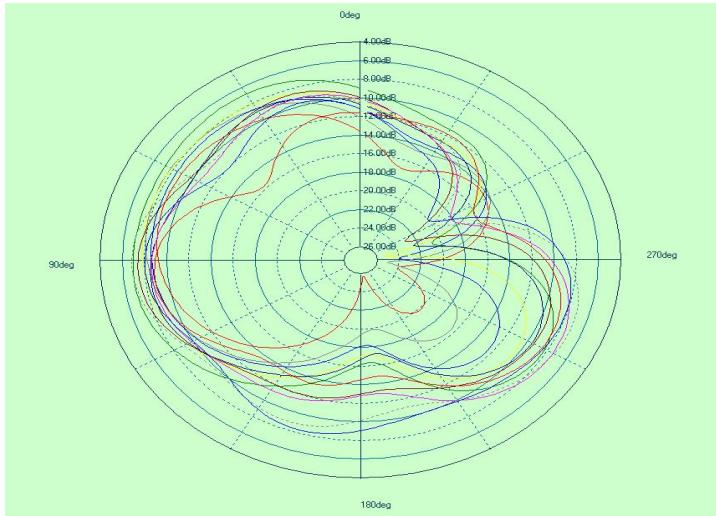
增益报告



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）

无源报告

Frequency	Gain . dB
6.17E+08	-6.91863
6.51E+08	-6.88228
6.86E+08	-5.67859
7.2E+08	-6.06815
7.54E+08	-5.30599
7.89E+08	-6.49664
8.23E+08	-6.78149
8.57E+08	-7.25235
8.91E+08	-7.44738
9.26E+08	-6.56061
9.6E+08	-7.56805

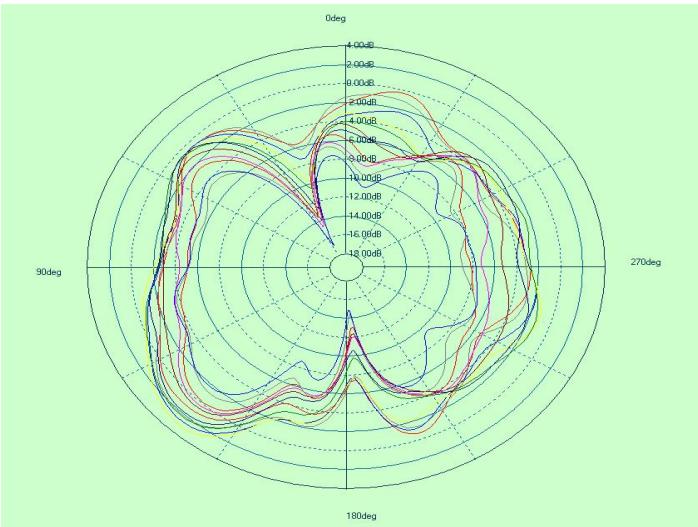
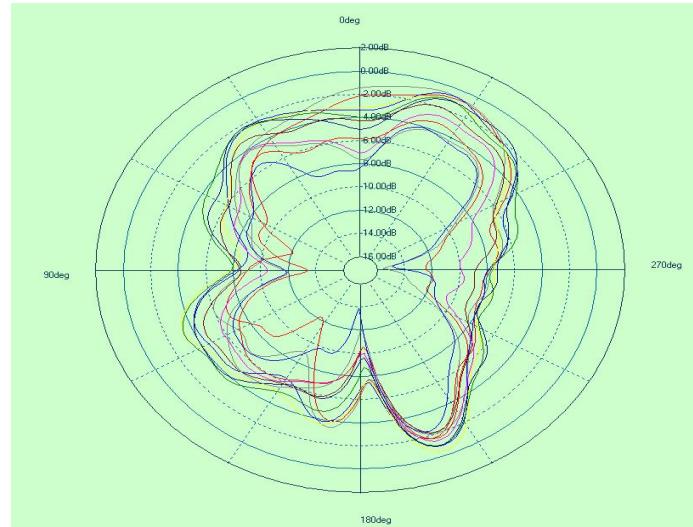
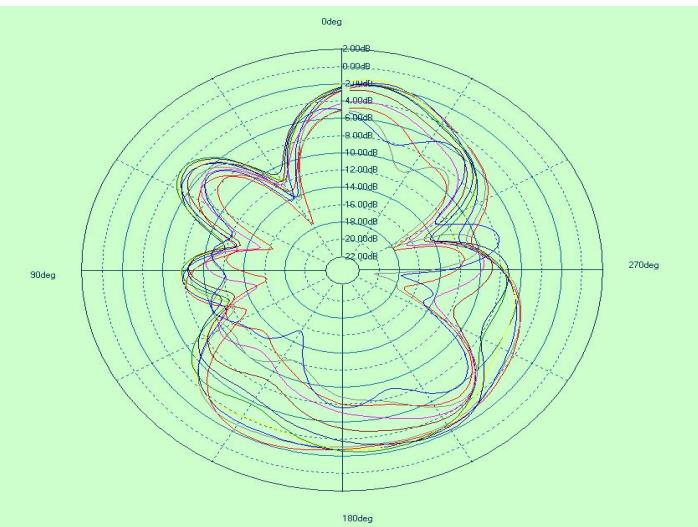


无源报告 测量仪器: Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer 暗室系统: MVG SG24LT (Satmio)



无源报告

Frequency	Gain, dB
1.71E+09	1.573498
1.76E+09	2.541627
1.8E+09	2.995377
1.85E+09	3.387993
1.89E+09	2.477313
1.94E+09	1.969645
1.99E+09	0.813895
2.03E+09	0.402955
2.08E+09	0.007617
2.12E+09	-0.05842
2.17E+09	-0.93825

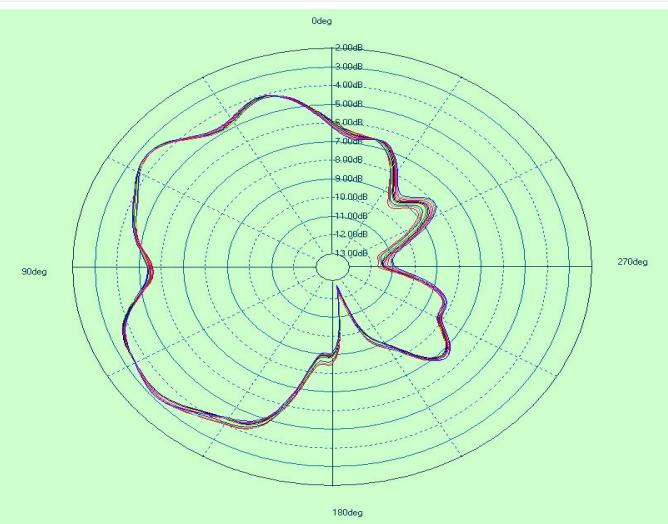
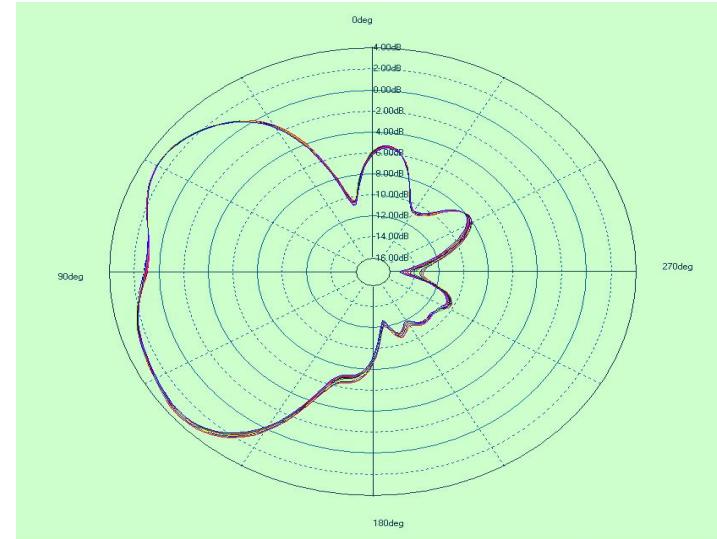
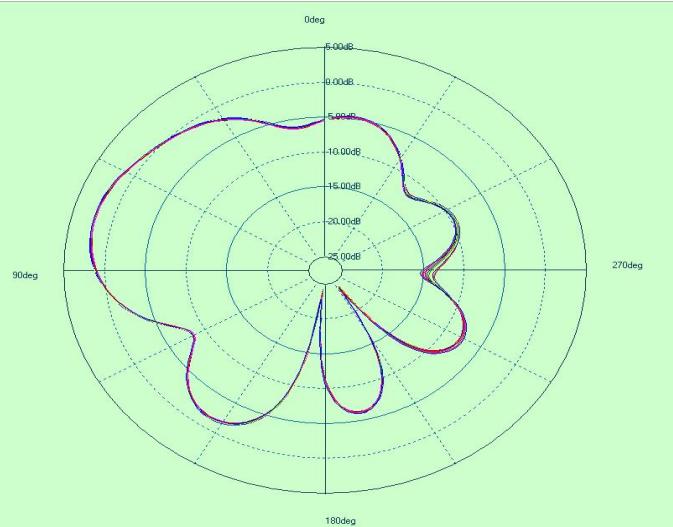


无源报告 测量仪器: Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer 暗室系统: MVG SG24LT (Satmio)



无源报告

Frequency	Gain . dB
1.57E+09	3.588804
1.57E+09	3.547045
1.57E+09	3.474284
1.57E+09	3.413569
1.57E+09	3.416042
1.58E+09	3.395704
1.58E+09	3.361526
1.58E+09	3.352572
1.58E+09	3.371081
1.58E+09	3.365605
1.58E+09	3.31846

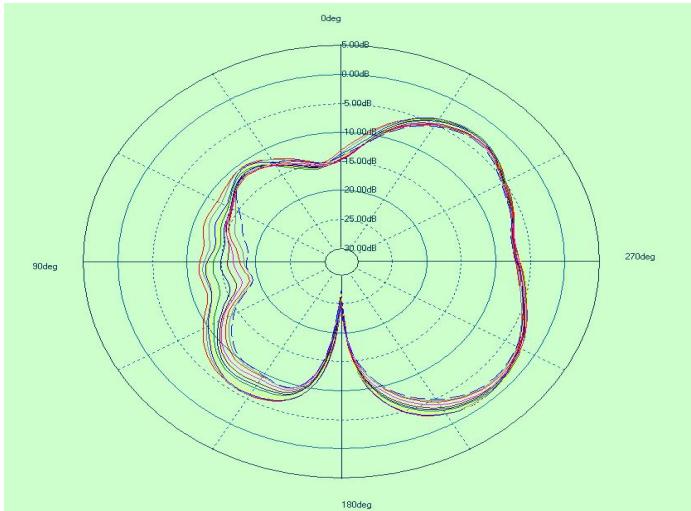
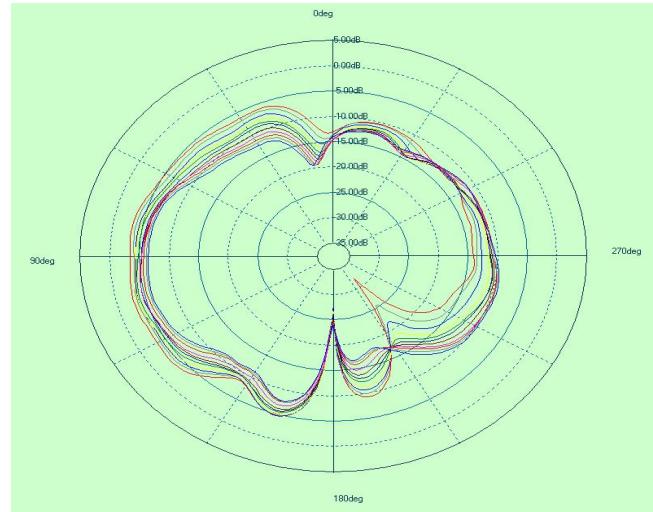
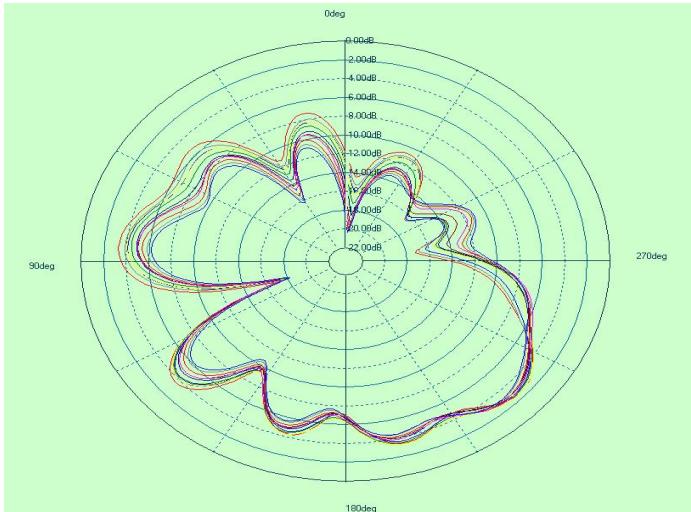


无源报告 测量仪器: Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer 暗室系统: MVG SG24LT (Satmio)



无源报告

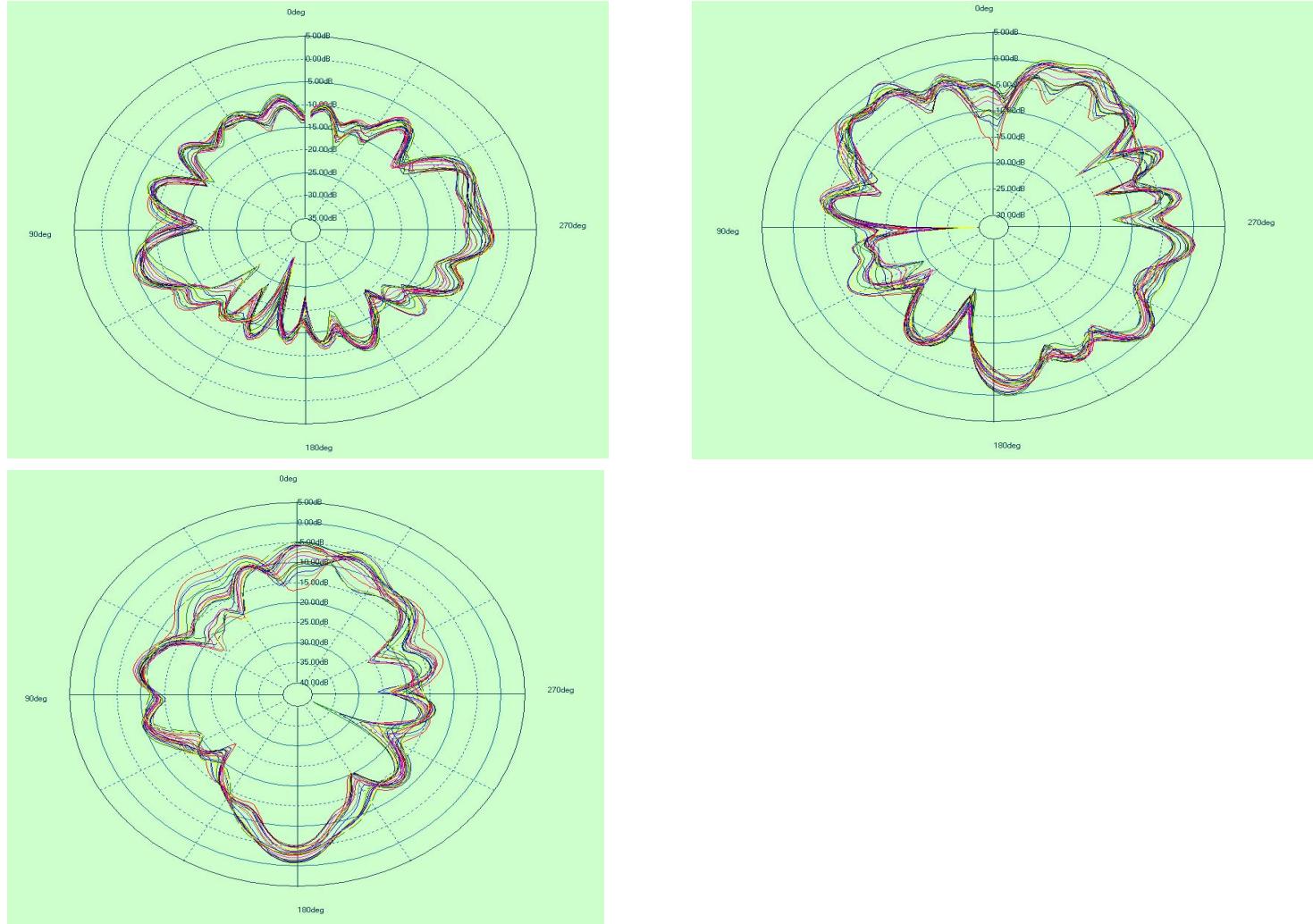
Frequency	Gain, dB
2.4E+09	0.241194
2.41E+09	0.203578
2.42E+09	0.388722
2.43E+09	0.499842
2.44E+09	0.252885
2.45E+09	0.086025
2.46E+09	-0.06225
2.47E+09	-0.19909
2.48E+09	-0.73416
2.49E+09	-1.01735
2.5E+09	-1.16122



无源报告 测量仪器: Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer 暗室系统: MVG SG24LT (Satmio)

无源报告

Frequency	Gain, dB
5.2E+09	0.803231
5.23E+09	0.957991
5.26E+09	0.925055
5.29E+09	0.822649
5.32E+09	0.571987
5.35E+09	0.185044
5.38E+09	0.109535
5.41E+09	0.747275
5.44E+09	1.164952
5.47E+09	1.409757
5.5E+09	2.049282
5.53E+09	2.806443
5.56E+09	2.915502
5.59E+09	2.326863
5.62E+09	2.457172
5.65E+09	2.114379
5.68E+09	1.607988
5.71E+09	1.350653
5.74E+09	1.526359
5.77E+09	1.722291
5.8E+09	1.50255



无源报告 测量仪器: Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer 暗室系统: MVG SG24LT (Satmio)



总结

- 1.以上是天线增益报告。
- 2.如有疑问，可以电话沟通，谢谢.



附加说明

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。