



深圳市迎丰天线技术有限公司

Manufacturer: Shenzhen Yingfeng Antenna Technology Co., Ltd

Address: Room 412, Building 7, Phase II, Nanshan Yungu Entrepreneurship Park, No. 2 Pingshan 1st Road, Pingshan Community, Taoyuan Street, Nanshan District, Shenzhen

Test Report

客 户	海凌威
产 品	耳机
工程师	刘工
电 话	18118726256
邮 箱	lyg@yingfengtianxian.com
日 期	2024-4-12



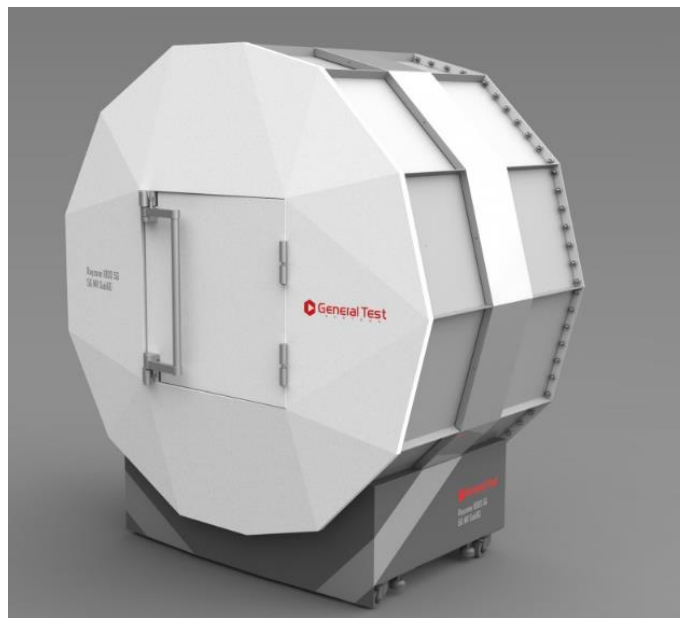
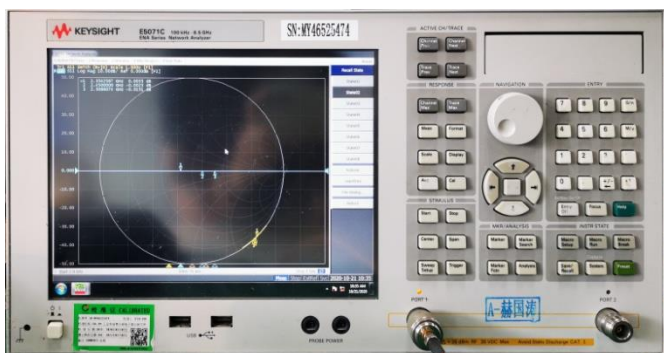
报告目录

- 测试设备
- 样机外观
- 匹配参数
- 网分调试天线S参数
- 整机自由场无源效率
- 整机自由场无源场型
- 整机自由场OTA数据
- 整机自由场OTA场型



测试设备

- 1. S参数测量
- 2. 设备: 网络分析仪 (Agilent E5062A), 微波暗室, MT8852B
- 3. 项目: 阻抗, 回波损耗, VSWR, 效率, 增益, 辐射场型, 灵敏度, 功率, 频偏 有源数据TRP TIS





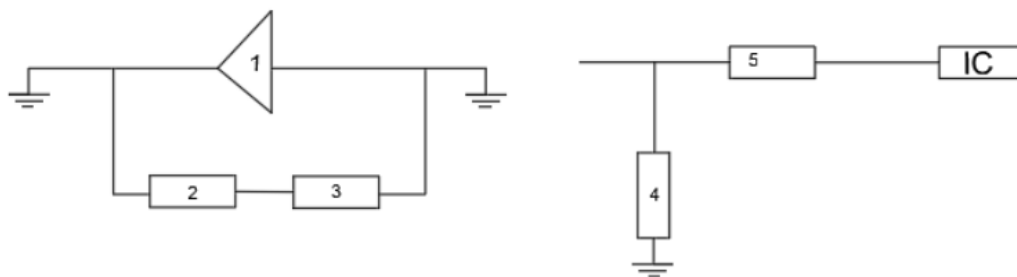
深圳市迎丰天线技术有限公司

样机外观





匹配参数 (L)

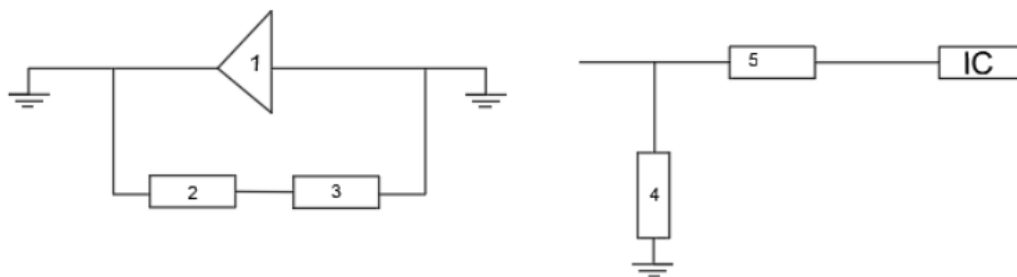


编号	型号	规格	厂商	料号	公差	
1	YF2012C1	2012	迎丰	YF2012C1P2G45		装配时候 注意电池 线和喇叭 线不要铰 到一起
2	电阻	0欧				
3	NC					
4	电容	0.3PF/0201	村田		±0.1PF	
5	电阻	0欧				

装配时候
注意电池
线和喇叭
线不要铰
到一起



匹配参数(R)



编号	型号	规格	厂商	料号	公差	
1	YF2012C1	2012	迎丰	YF2012C1P2G45		装配时候 注意电池 线和喇叭 线不要较 到一起
2	电容	0.3PF/0201	村田		±0.1PF	
3	电容	0.3PF/0201	村田		±0.1PF	
4	电容	0.75PF/0201	村田		±0.1PF	
5	电阻	0欧				



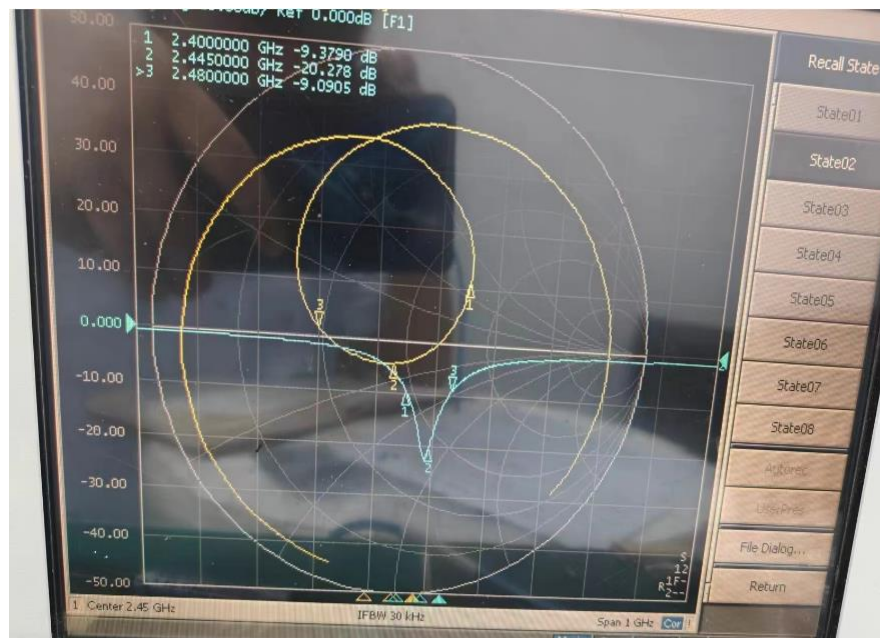
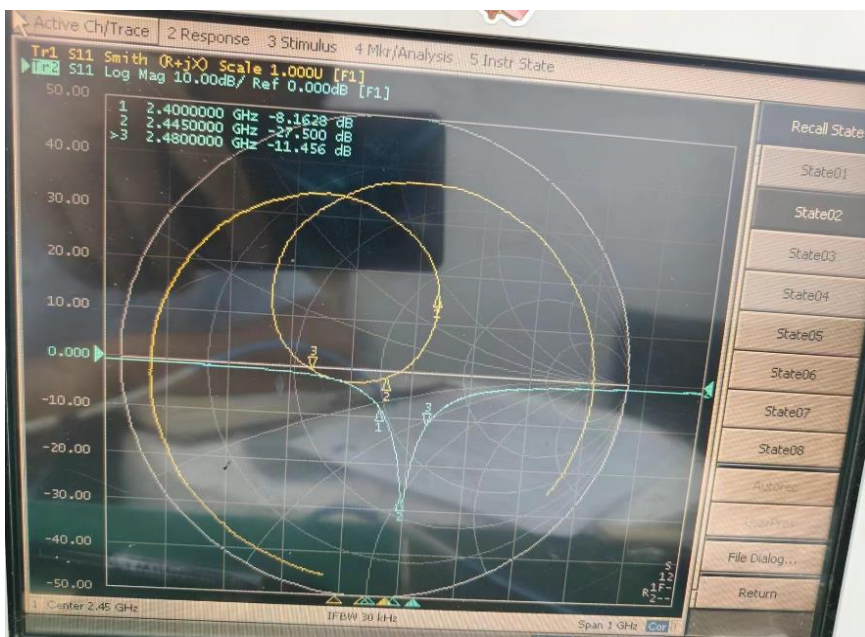
深圳市迎丰天线技术有限公司

网分调试天线S参数

L

调试波形

R





深圳市迎丰天线技术有限公司

整机自由场无源效率

L

Freq (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
2400	-2.857946074	-6.887107447	20.47808094
2410	-2.580265625	-6.556421974	22.09824594
2420	-2.475012173	-6.403495918	22.89024327
2430	-2.443691652	-6.307173701	26.40359801
2440	-2.360556263	-6.183904738	26.07739659
2450	-2.391154101	-6.347391786	23.18786811
2460	-2.722755245	-6.753723319	21.11677868
2470	-2.927530084	-7.005562401	19.92708439
2480	-3.178359321	-7.34185863	18.44225985
2490	-3.730186747	-7.910690266	16.17822881
2500	-4.290257058	-8.426149803	14.36762617



深圳市迎丰天线技术有限公司

整机自由场无源效率

R

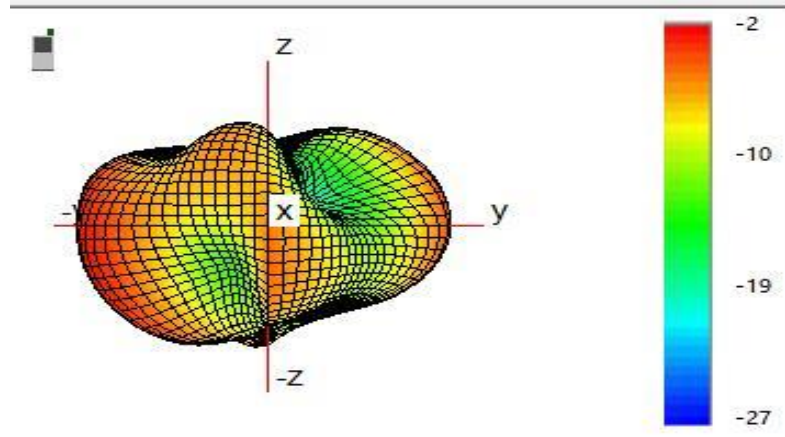
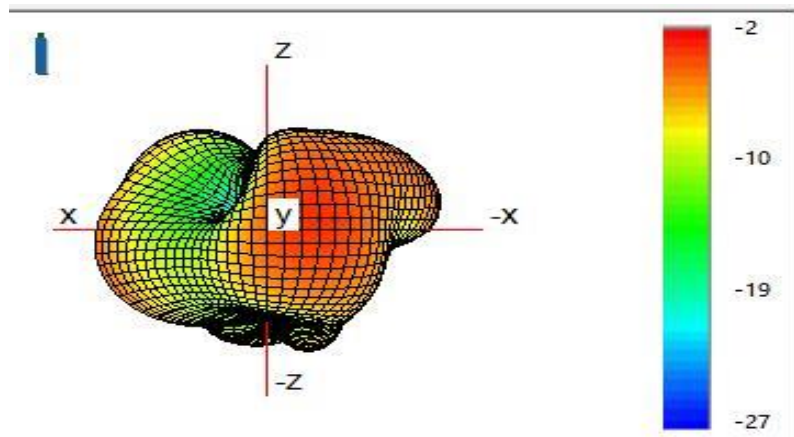
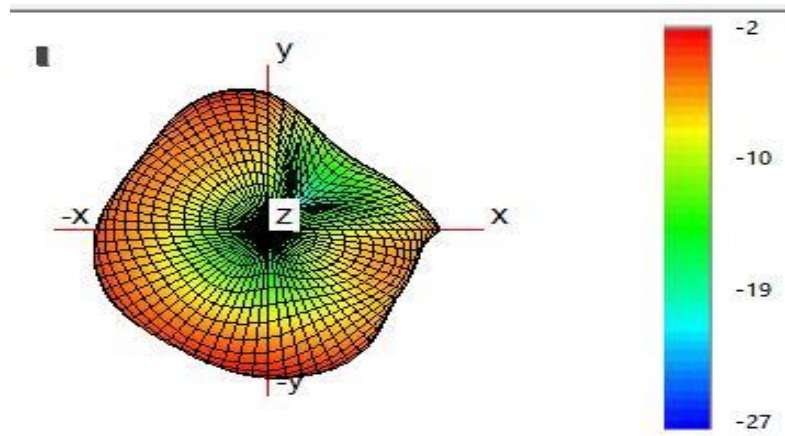
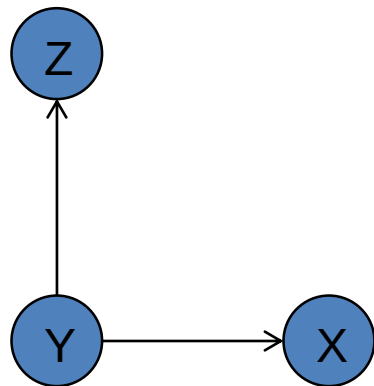
Freq (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
2400	-3.024588644	-6.987966386	26.00798538
2410	-3.049735963	-7.023976433	19.84277266
2420	-3.169668698	-7.12990491	19.36464363
2430	-3.267274932	-7.186397689	21.11438068
2440	-3.050148935	-7.018553092	19.86756721
2450	-3.09088914	-7.058130035	22.68733796
2460	-3.282076021	-7.257380483	18.80450699
2470	-3.168513569	-7.129097679	19.3682433
2480	-2.937626333	-6.982513859	20.033121
2490	-3.09595781	-7.07742701	25.60005541
2500	-3.094284886	-7.058438293	20.68594062



深圳市迎丰天线技术有限公司

整机自由场无源场型

R. 场型图

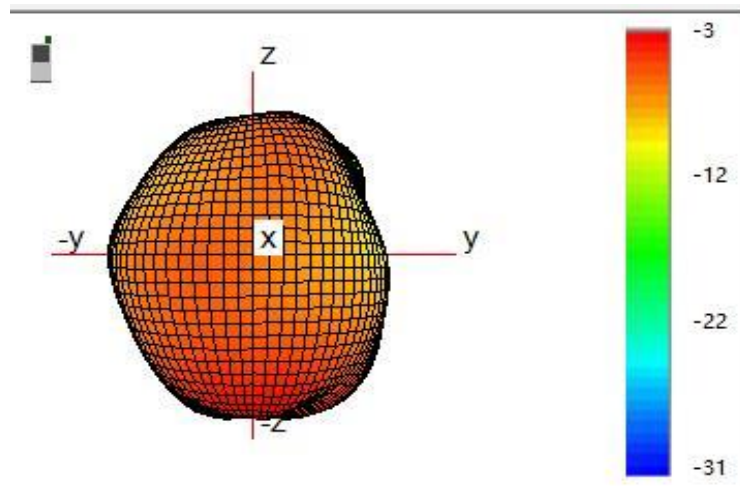
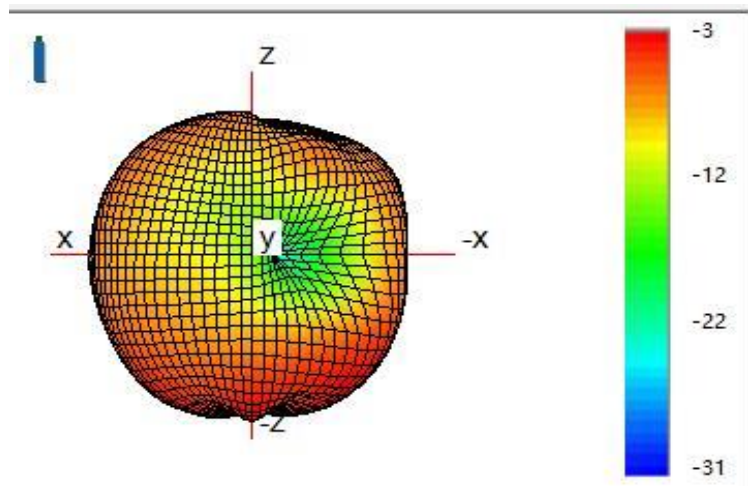
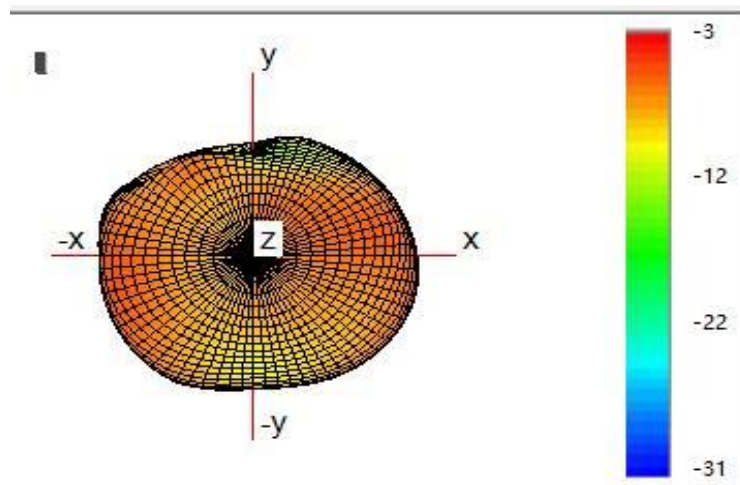
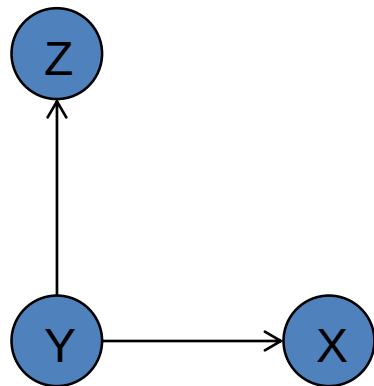




深圳市迎丰天线技术有限公司

整机自由场无源场型

L. 场型图





整机自由场OTA数据

	Channel	TRP功率 (dBm)	TIS灵敏度 (dBm)
L	CH 0	3.55	-87.81
	CH 39	4.33	-87.71
	CH 78	4.92	-88.23

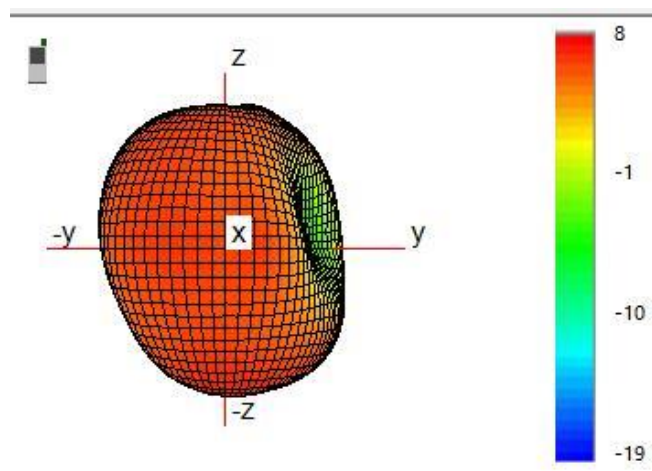
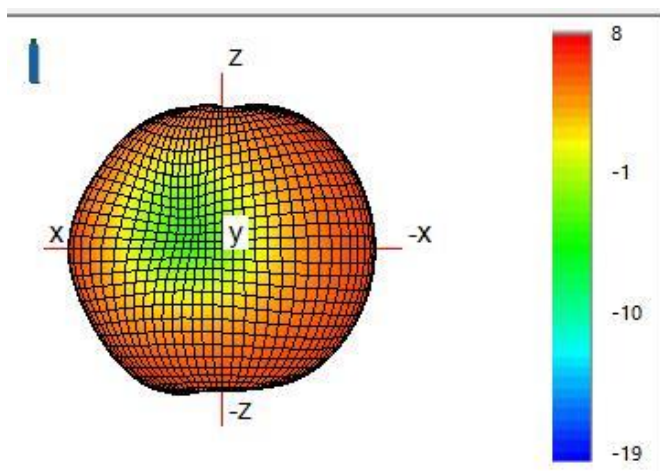
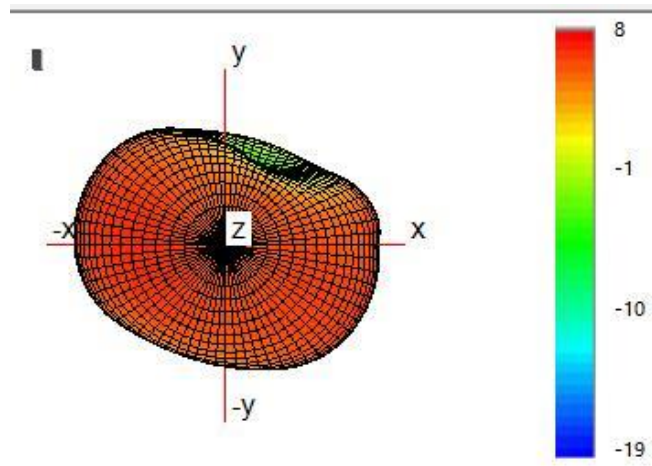
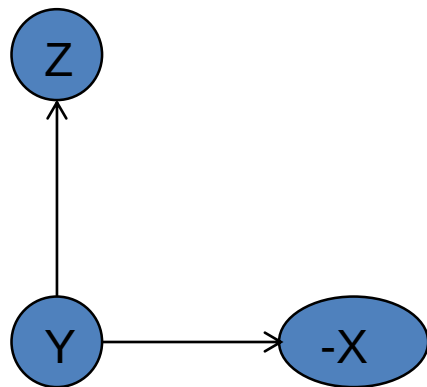
	Channel	TRP功率 (dBm)	TIS灵敏度 (dBm)
R	CH 0	4.34	-87.60
	CH 39	4.87	-86.16
	CH 78	4.82	-87.34



深圳市迎丰天线技术有限公司

整机自由场OTA场型

L. 场型图

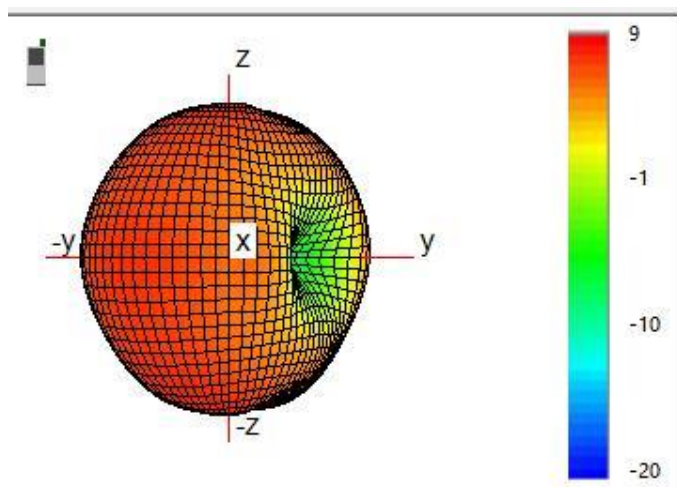
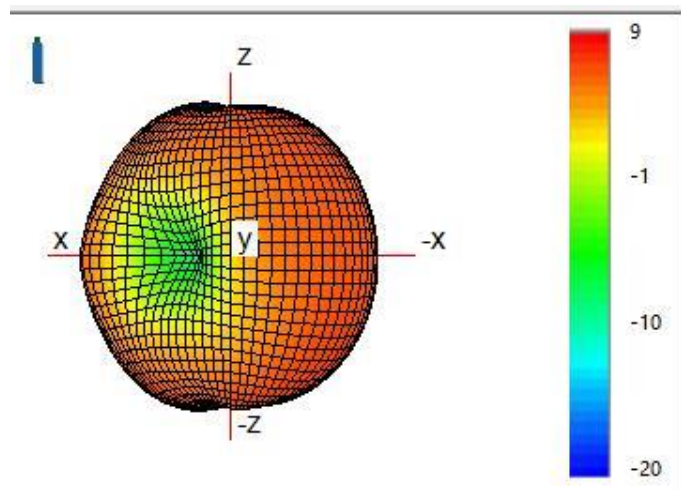
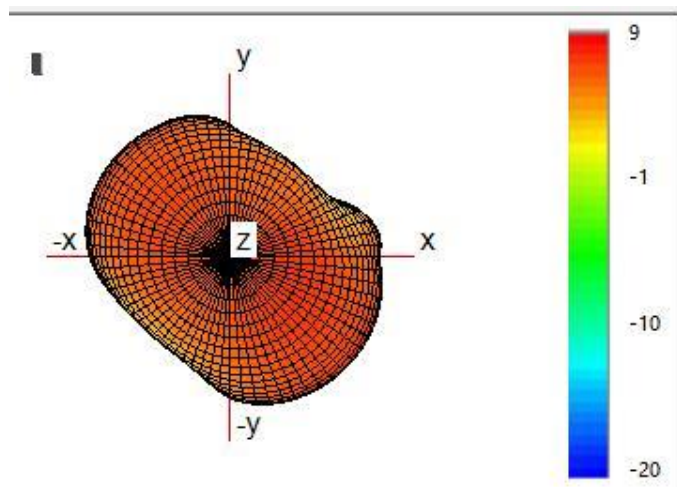
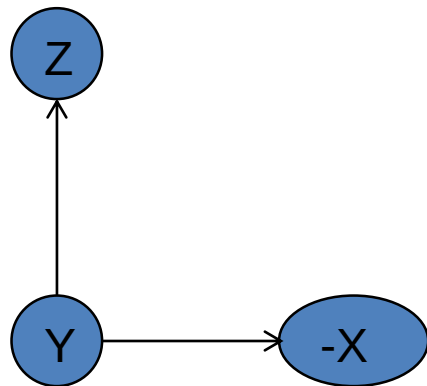




深圳市迎丰天线技术有限公司

整机自由场OTA场型

R. 场型图





深圳市迎丰天线技术有限公司

Thanks for Your Attention