



深圳市迎丰天线技术有限公司

T016 Test Report

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产 品	耳机
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日 期	2024-6-24
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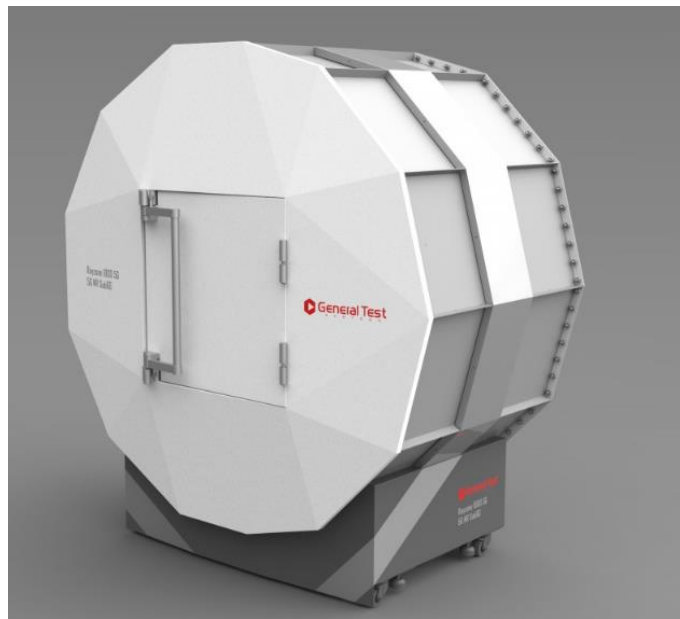
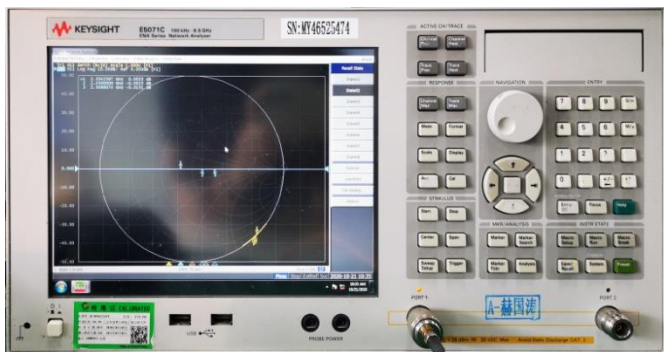
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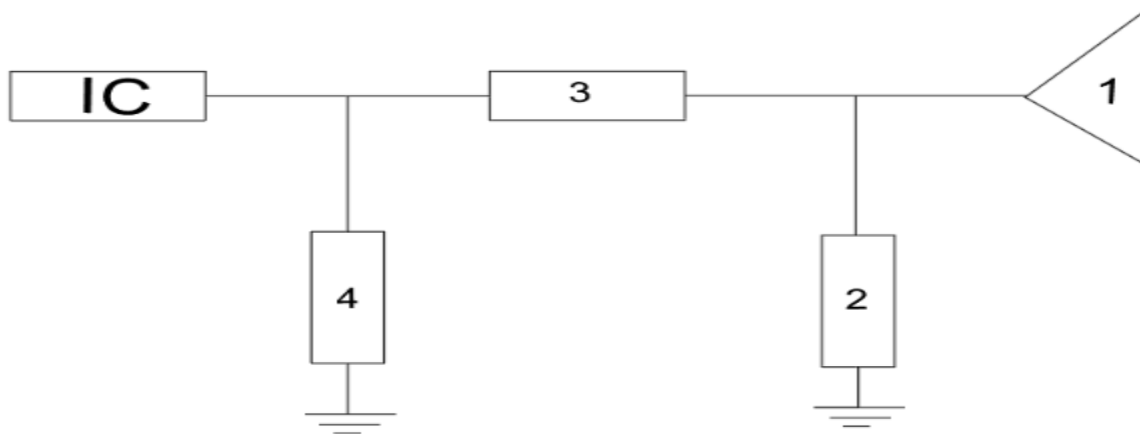
测试设备

- 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





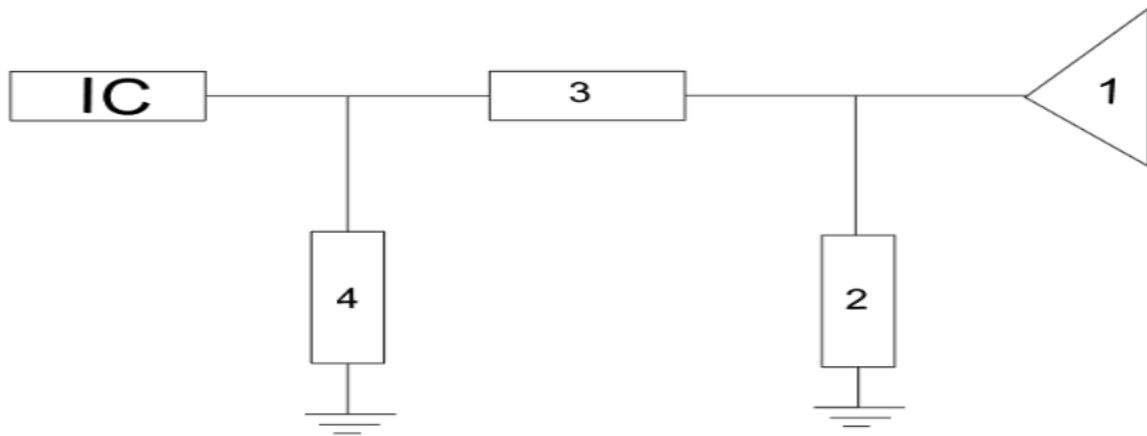
匹配参数 (L)



编号	型号	规格	厂商	料号	公差	
1	FPC	T016-L	迎丰			
2	电容	1PF/0201	村田		±0.1PF	
3	电容	1.5PF/0201	村田		±0.1PF	
4	NC					



匹配参数 (R)



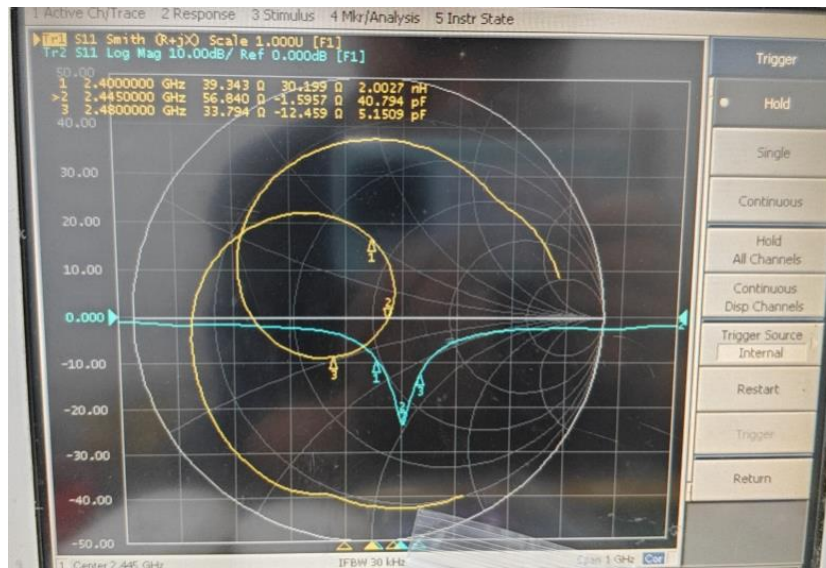
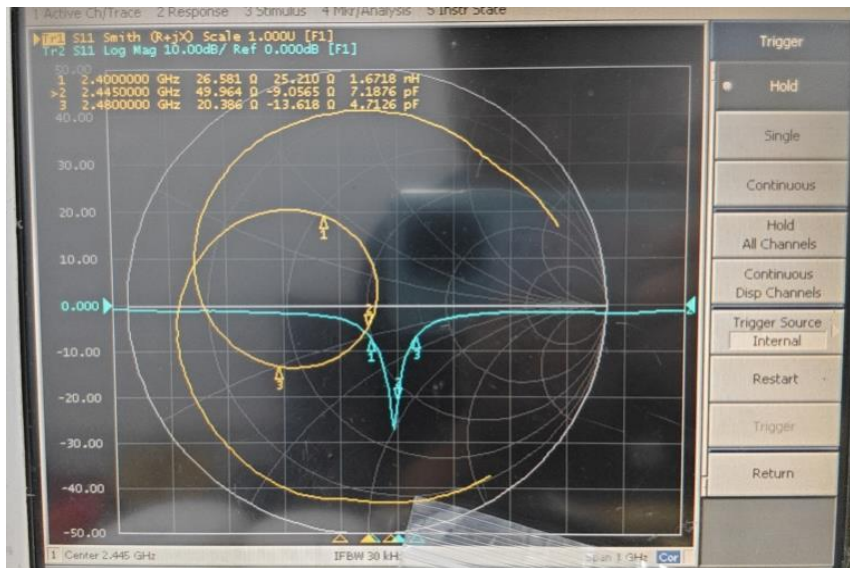
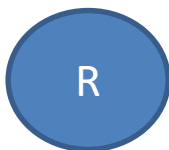
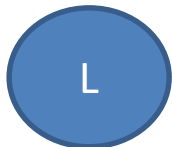
编号	型号	规格	厂商	料号	公差	
1	FPC	T016-R	迎丰			
2	NC					
3	电容	1.5PF/0201	村田		±0.1PF	
4	电感	1.8NH/0201			±0.1NH	



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网分调试天线S参数

调试波形





整机自由场无源效率

L

Freq (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
2400	-2.297393813	-7.259264763	18.79635002
2410	-2.004244474	-6.975913706	20.0635893
2420	-1.799063636	-6.779496369	20.99183302
2430	-1.598414884	-6.602514456	21.86495332
2440	-1.307669631	-6.316423586	23.35380456
2450	-1.187322595	-6.206558608	23.95212995
2460	-1.31808536	-6.367796999	23.07917605
2470	-1.237753155	-6.273575163	23.58535859
2480	-1.189452159	-6.267294522	23.61949173
2490	-1.548154474	-6.541876053	22.17238416
2500	-1.818333034	-6.817116782	20.81077826



整机自由场无源效率

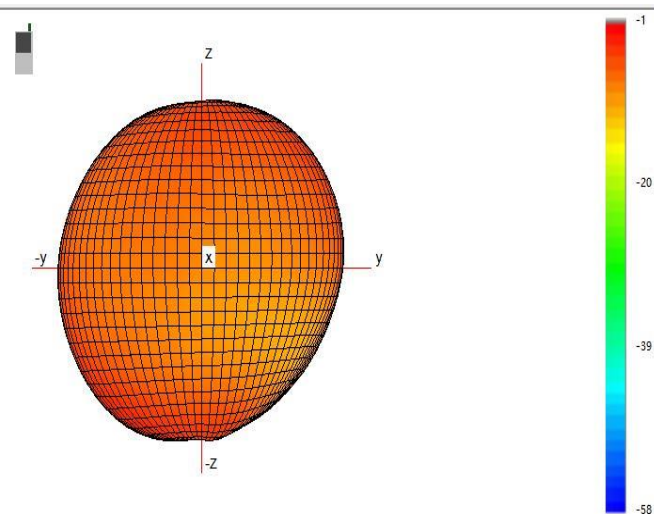
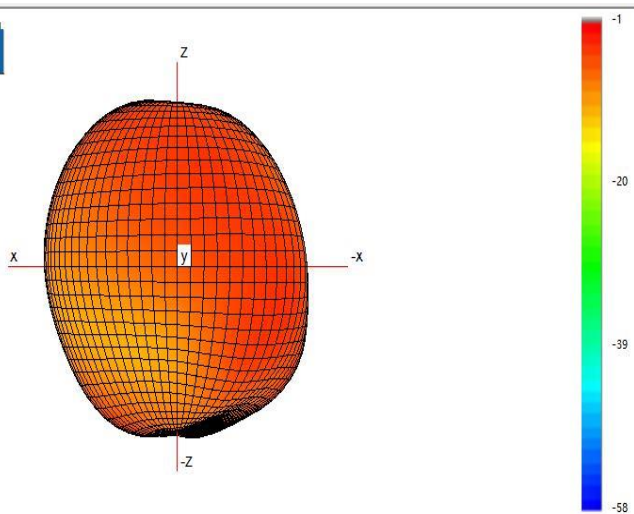
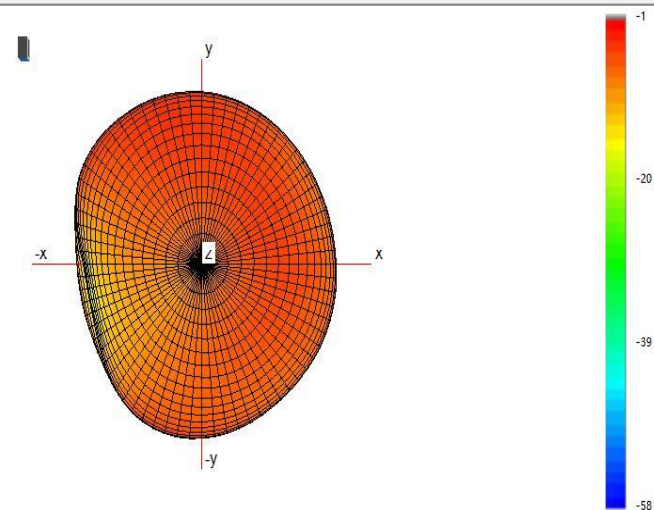
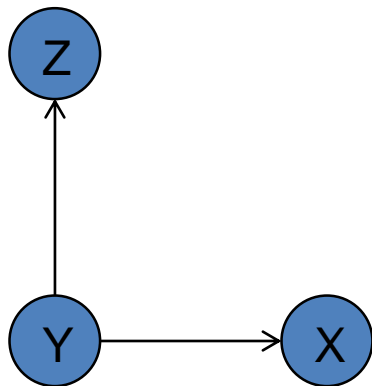
R

Freq (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
2400	0.04251601	-4.080259169	39.08175727
2410	0.172797236	-4.053361113	39.32456151
2420	0.217311688	-4.120239504	38.72362891
2430	0.255310342	-4.169432569	38.28747649
2440	0.396566478	-4.102765114	38.87975223
2450	0.386969649	-4.223982759	37.80956877
2460	0.106891655	-4.531887816	35.22177337
2470	0.105099434	-4.575388643	34.87073775
2480	0.127172063	-4.65791324	34.21438012
2490	-0.223132492	-4.956072785	31.94425187
2500	-0.349300633	-5.171311476	30.39966882



整机自由场无源场型

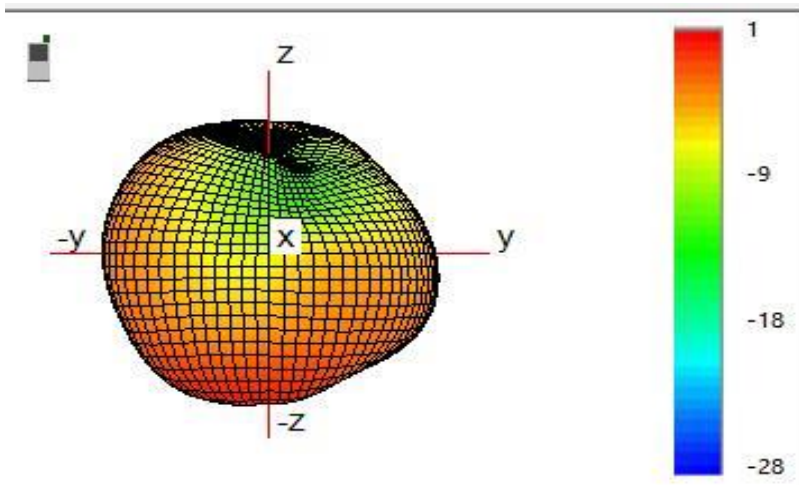
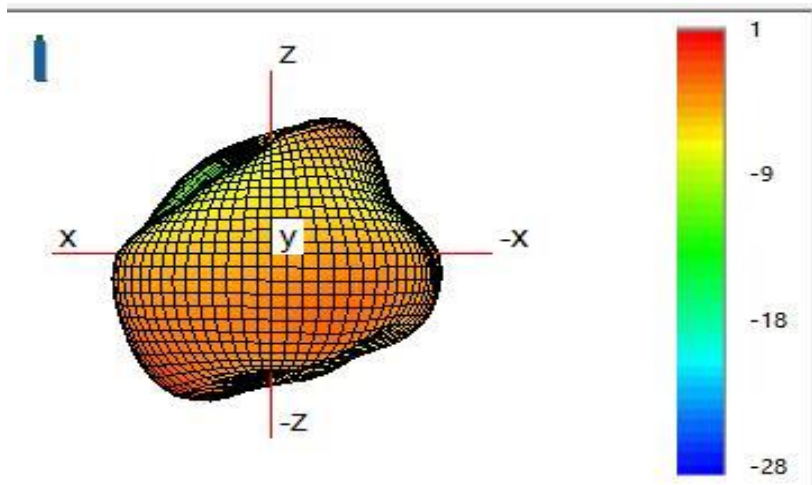
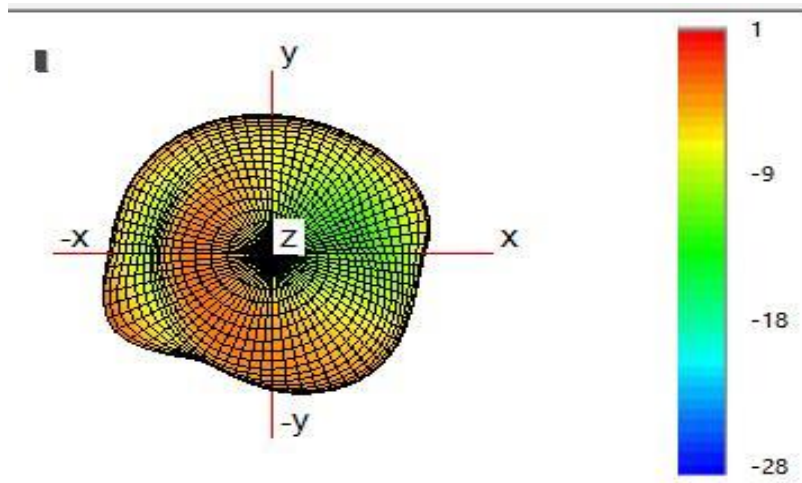
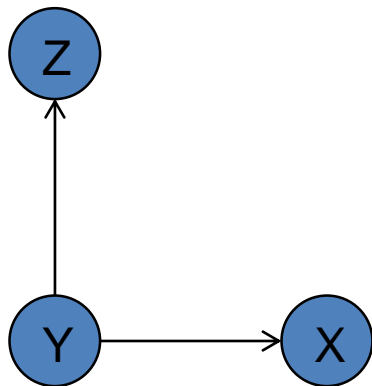
L. 场型图





整机自由场无源场型

R. 场型图





整机自由场OTA数据

1号机	Channel	TRP功率 (dBm)	TIS灵敏度 (dBm)
L	CH 0	-3.43	-78.69
	CH 39	-1.53	-83.84
	CH 78	-1.70	-84.84

1号机	Channel	TRP功率 (dBm)	TIS灵敏度 (dBm)
R	CH 0	-1.19	-79.09
	CH 39	-0.02	-80.36
	CH 78	-1.29	-80.96

2号机	Channel	TRP功率 (dBm)	TIS灵敏度 (dBm)
L	CH 0	-2.48	-81.95
	CH 39	-0.40	-85.55
	CH 78	-0.77	-85.86

2号机	Channel	TRP功率 (dBm)	TIS灵敏度 (dBm)
R	CH 0	-3.26	-79.37
	CH 39	-4.85	-80.56
	CH 78	-3.29	-79.29

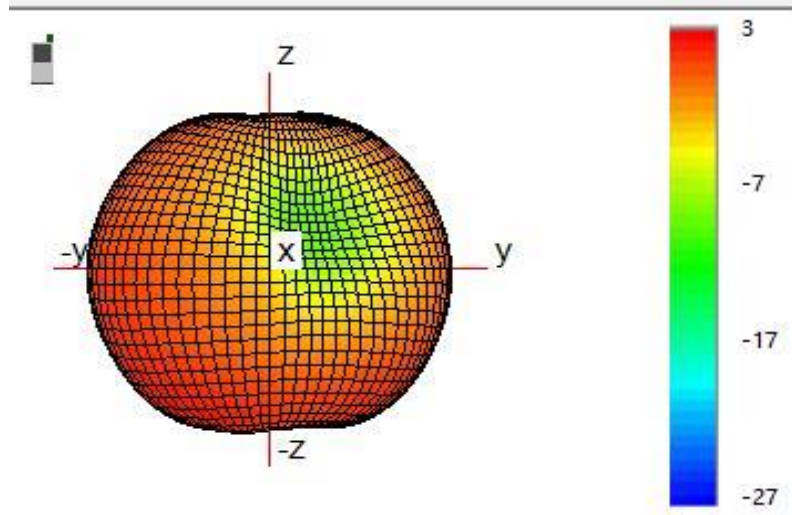
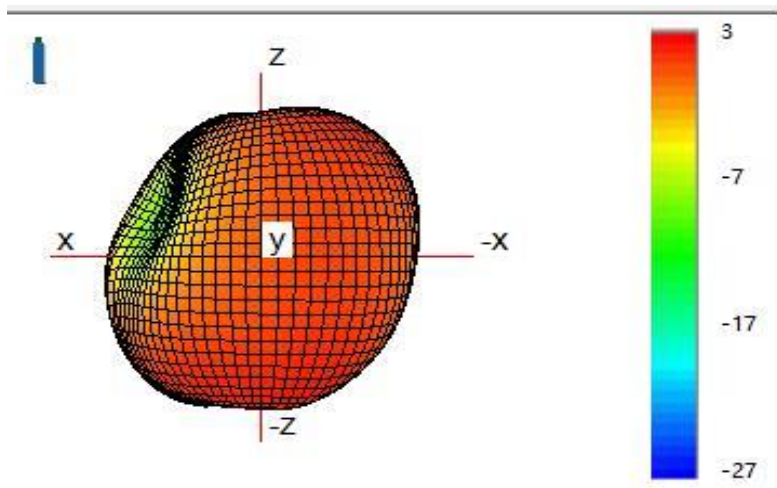
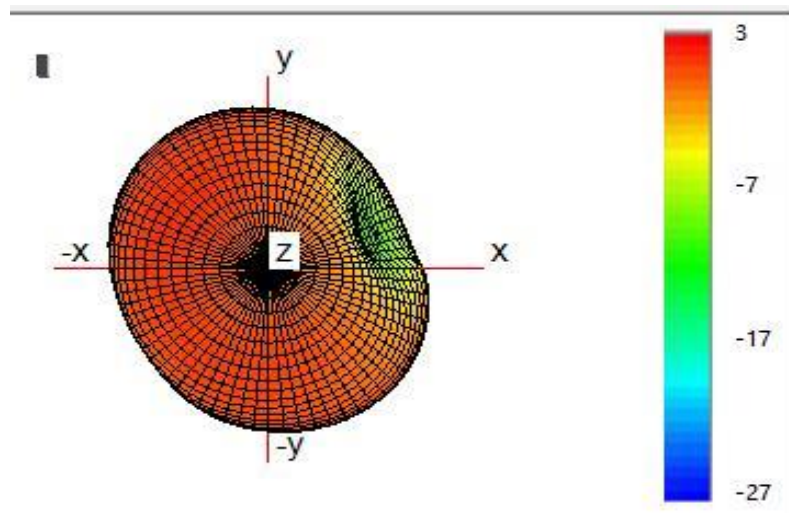
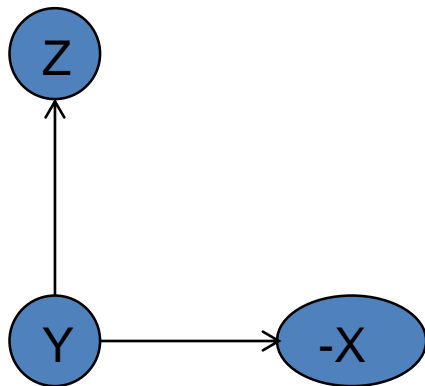
3号机	Channel	TRP功率 (dBm)	TIS灵敏度 (dBm)
L	CH 0	-3.43	-80.13
	CH 39	-1.53	-81.05
	CH 78	-1.70	-82.96

3号机	Channel	TRP功率 (dBm)	TIS灵敏度 (dBm)
R	CH 0	-3.78	-80.13
	CH 39	-4.45	-80.69
	CH 78	-4.28	-79.98



整机自由场OTA场型

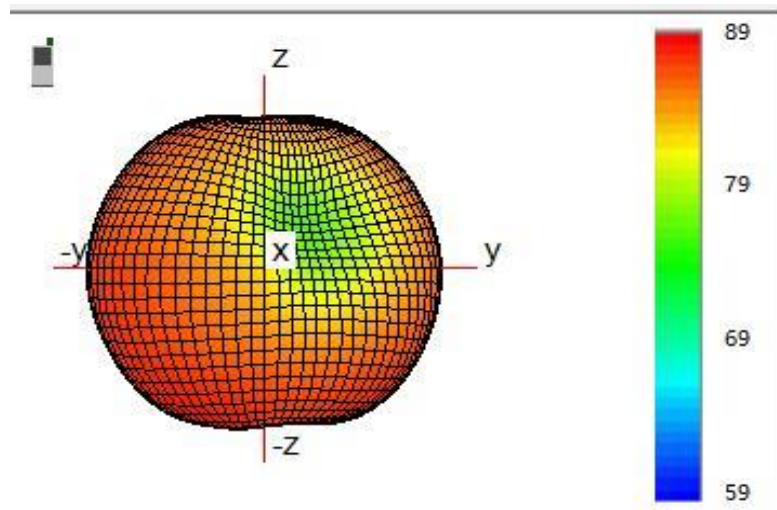
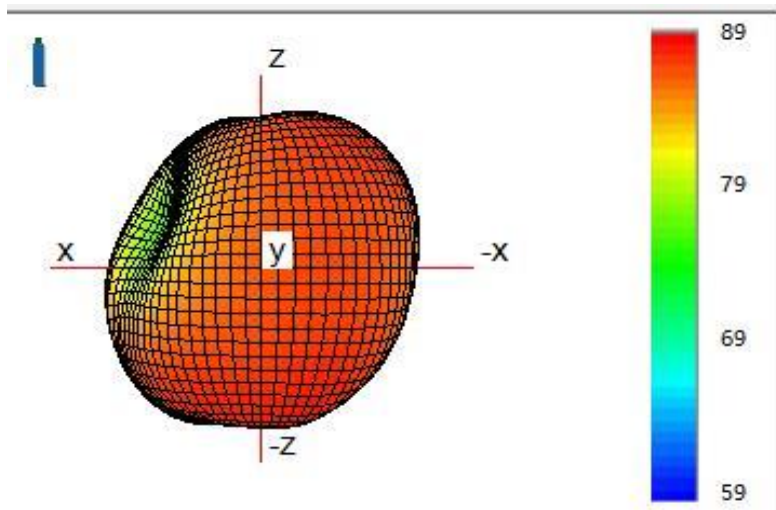
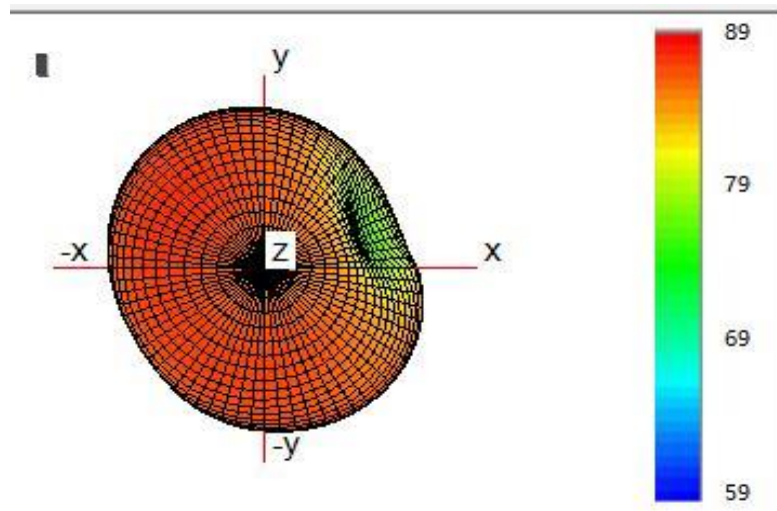
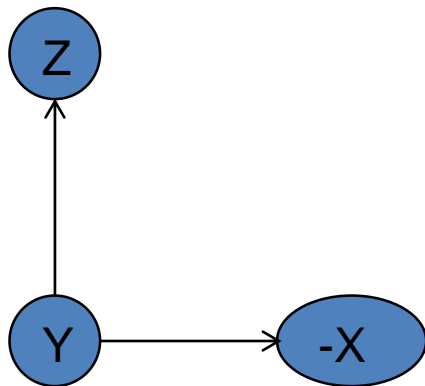
L. 场型图





整机自由场OTA场型

R. 场型图





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Thanks for Your Attention