

产 品 规 格 书

Part Specification

CUSTOMER 客户: 中国华录集团有限公司

PART TYPE 产品型号: RF-AN2400-INA115-MHF (天线)

NORMAL FREQ. 频率: 2400MHz~2480MHz

CUSTOMER P/N 客户物料编码: _____

ISSUE DATE 日期: 2025/11/27

CUSTOMER'S APPROVAL

客户确认

开发部	品质部

SHENZHEN RONGFENGDA COMMUNICATION TECHNOLOGY CO., LTD.

深圳市荣丰达通讯科技有限公司

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Tel : 13530289909

(PLEASE RETURN SCAN WITH E-Mail)

(请确认扫描后电子邮件至我司)

■ 主要技术特性 (Main Technical Specifications)

◆ 环境参数 (Environmental Parameters)

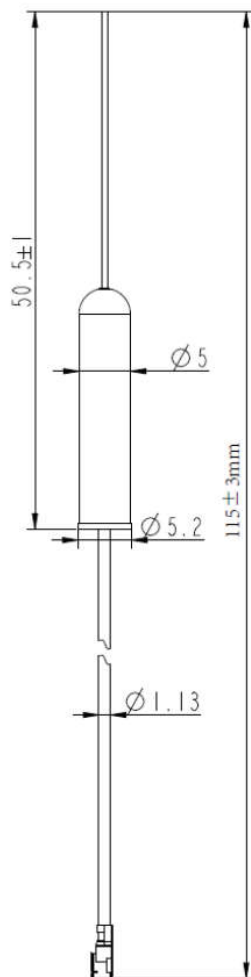
温度范围: -30℃ ~ +80℃

Operating Temperature Range: -30℃ ~ +80℃

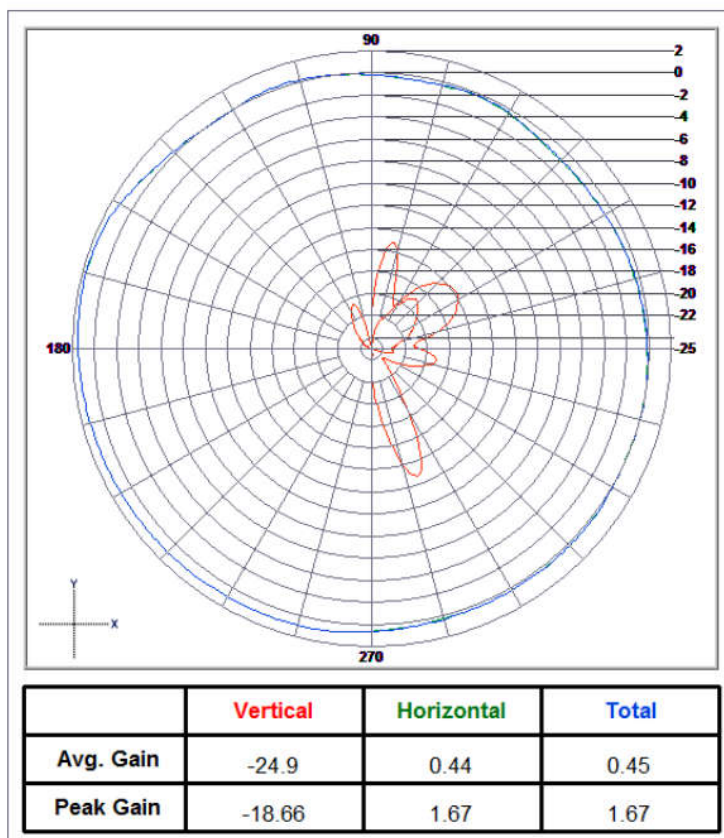
◆ 性能 (Performance)

项目 Item	规格 Specification
频率范围 Frequency Range	2400MHz ~ 2480MHz
驻波比 VSWR (Voltage Standing Wave Ratio)	≤ 2.0
增益 Gain	2±0.5 dBi
输入阻抗 Input Impedance	50 Ω
极化方式 Polarization Mode	Vertical Polarization
连接方式 Connection Type	I-PEX MHF
天线长度 Antenna Length	115±3mm
天线颜色 Antenna Color	Natural Color (Raw Color)

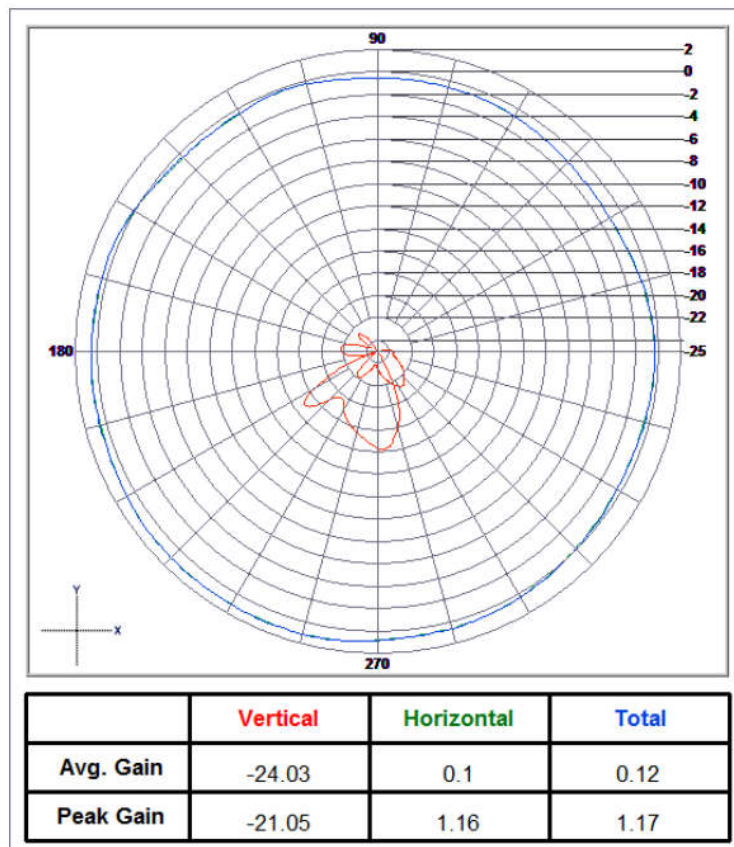
◆ 外观尺寸图 (Outline Dimension Drawing) :



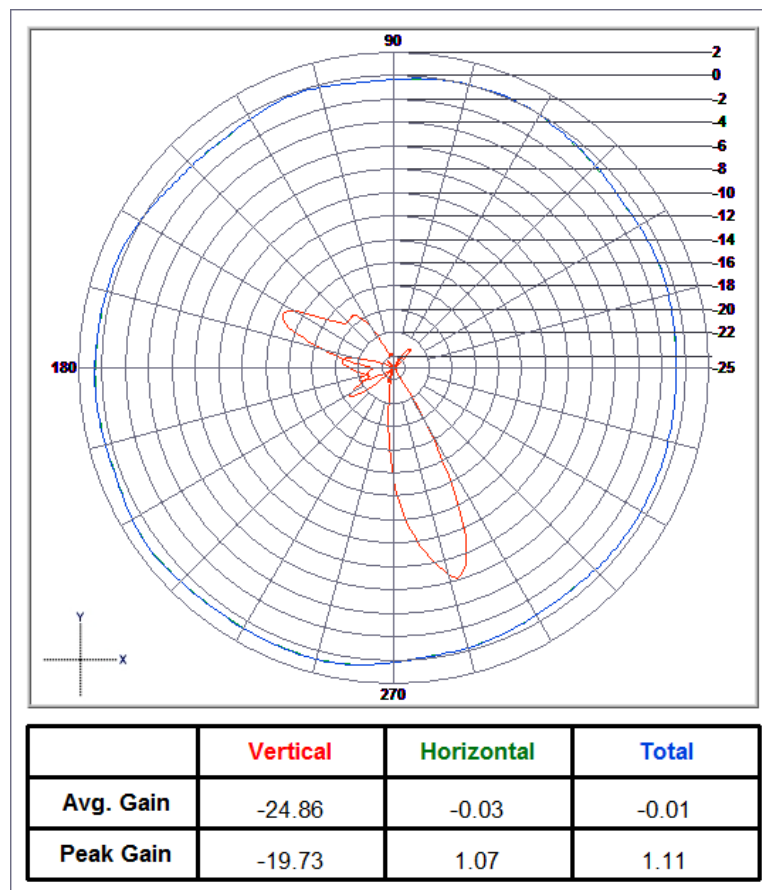
◆ 2D 方向图 (2D Radiation Pattern)



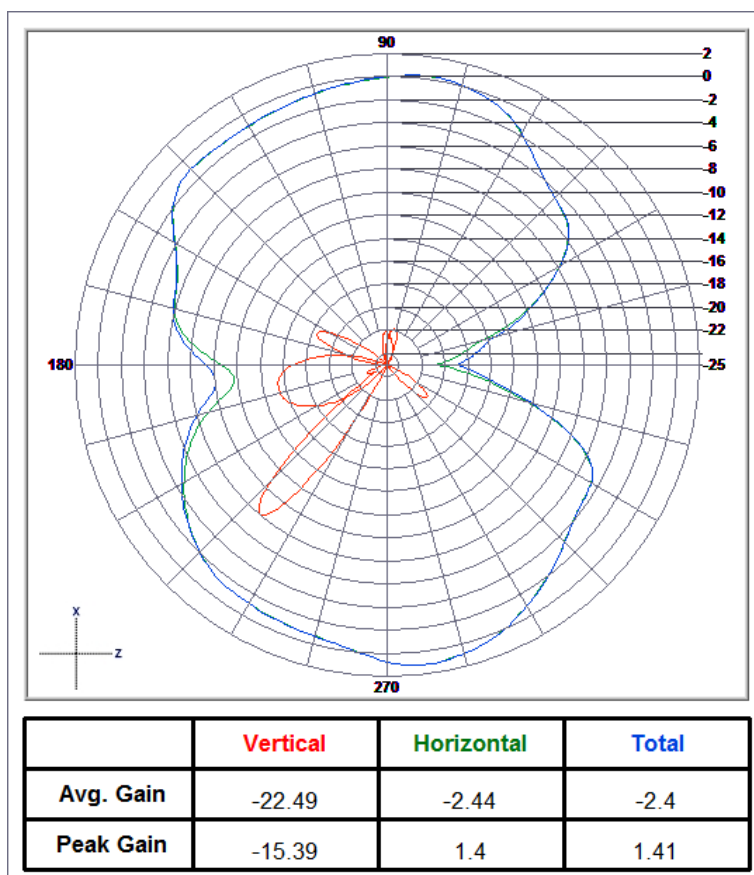
2400.00_XY Plane



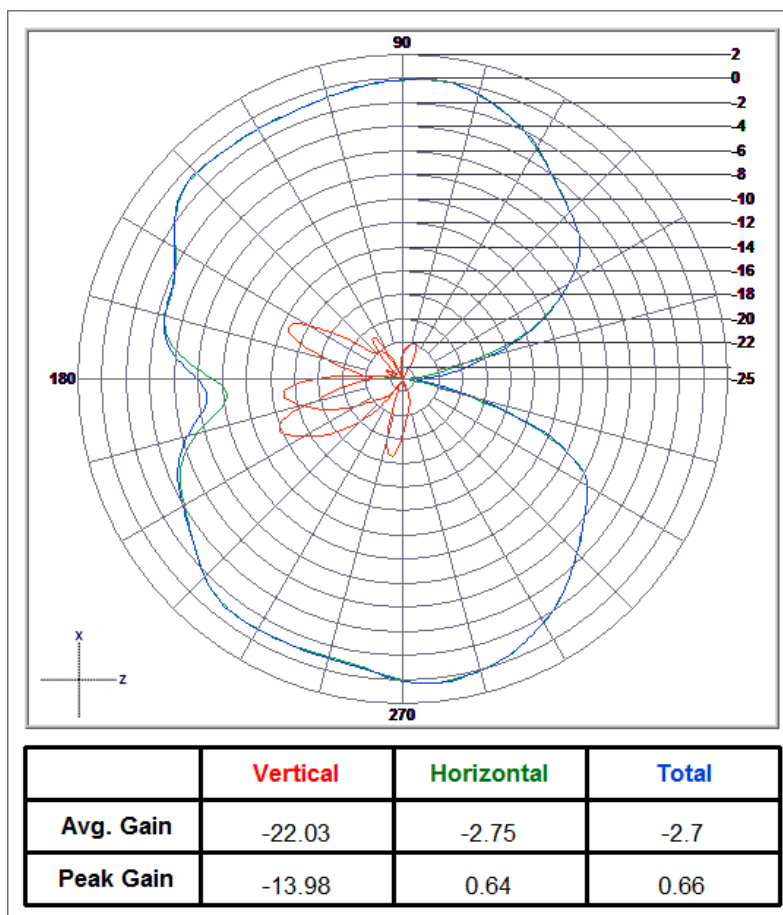
2450.00_XY Plane



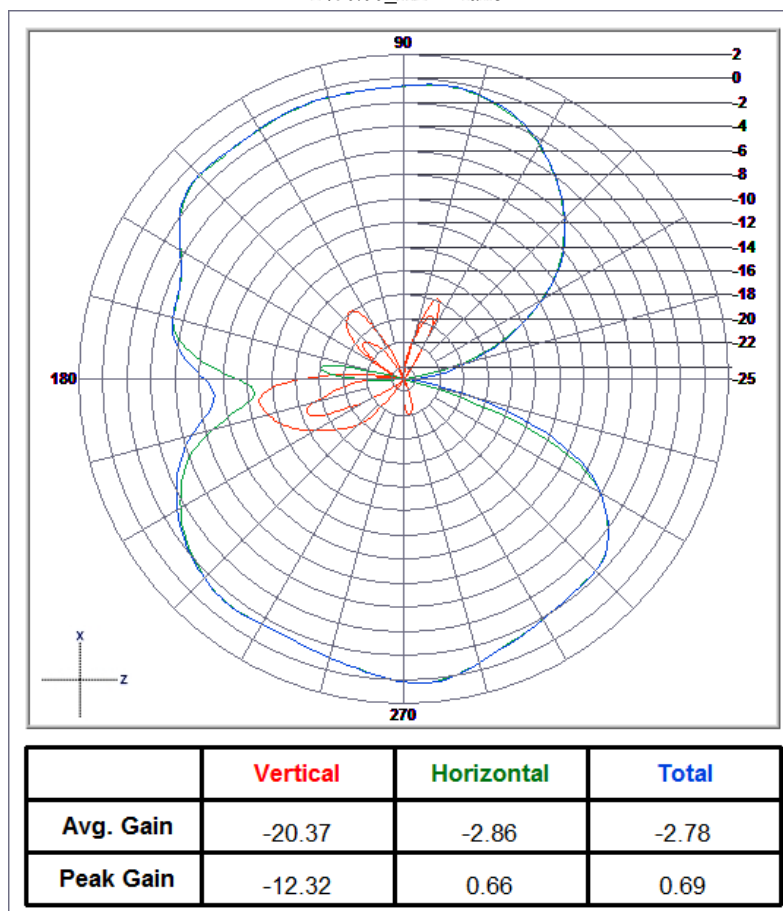
2500.00_XY Plane



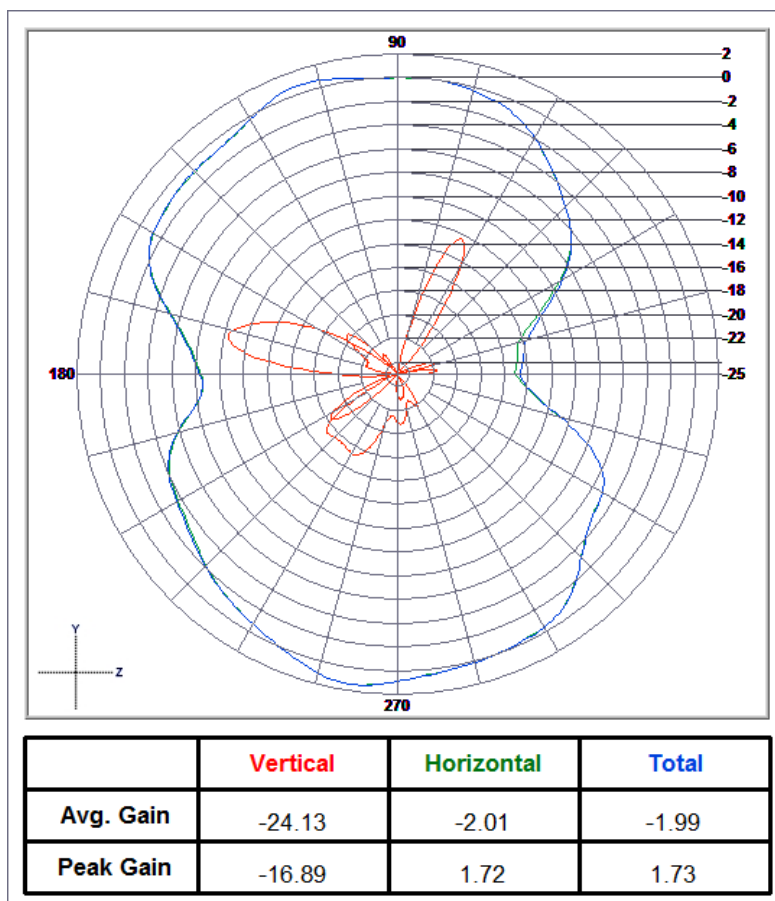
2400.00_XZ Plane



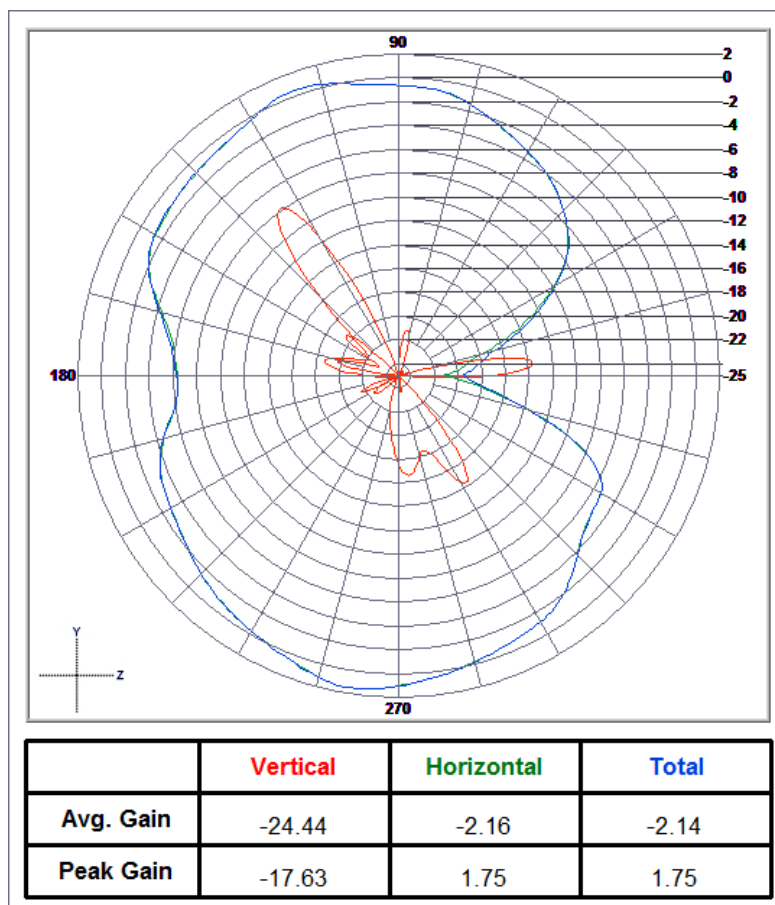
2450.00_XZ Plane



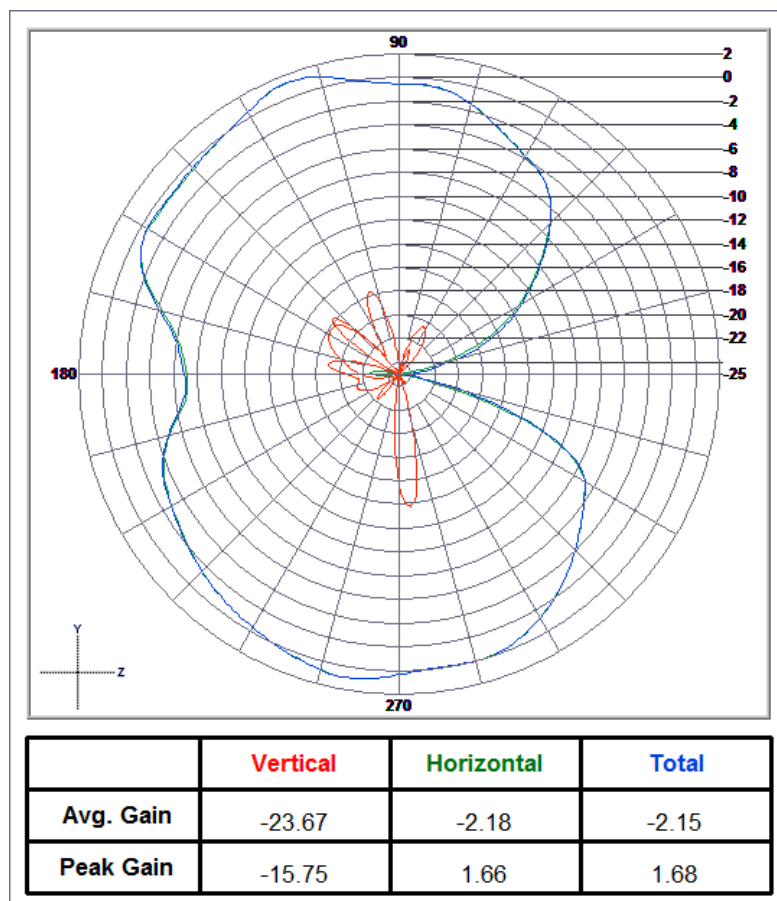
2500.00_XZ Plane



2400.00_XZ Plane

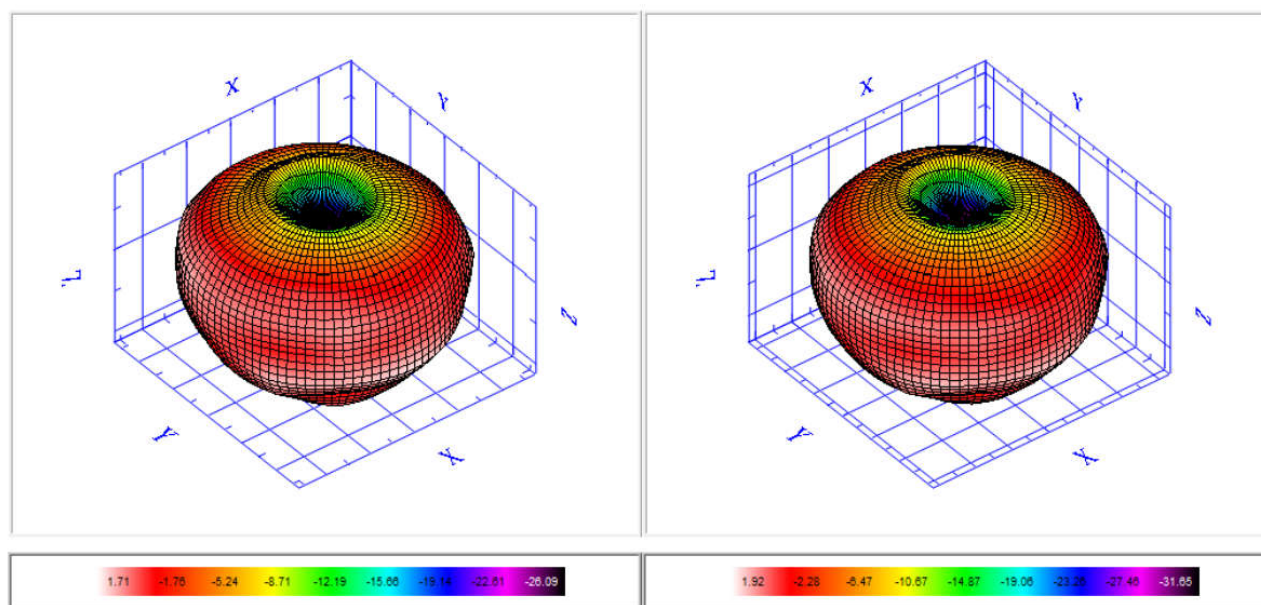
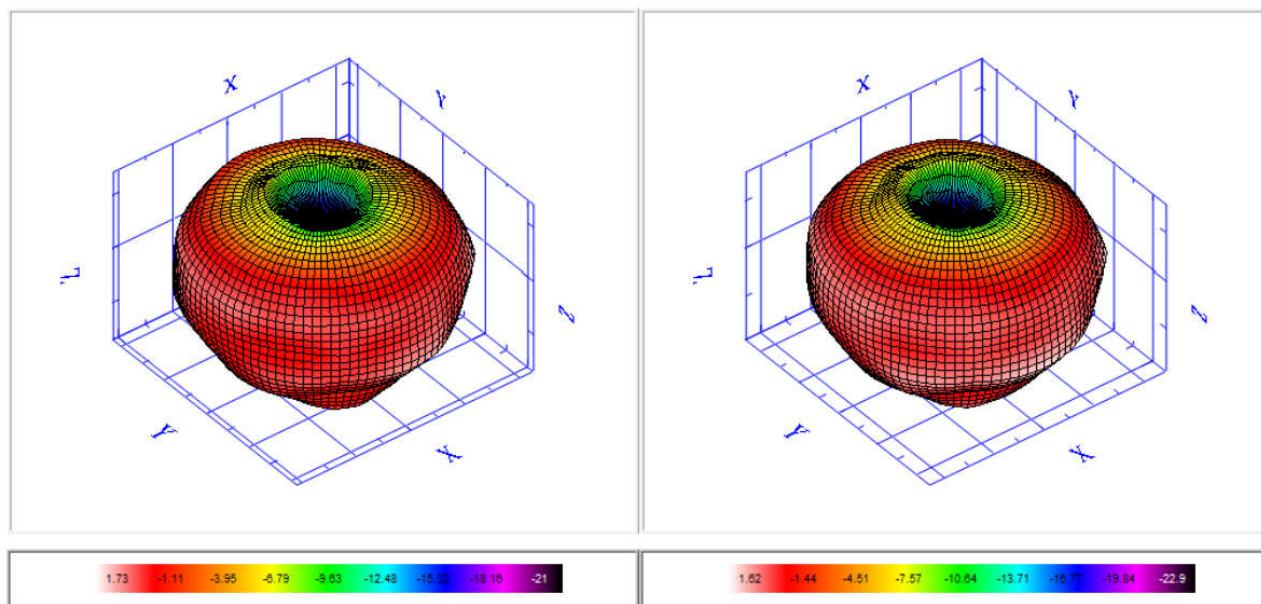


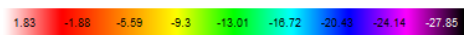
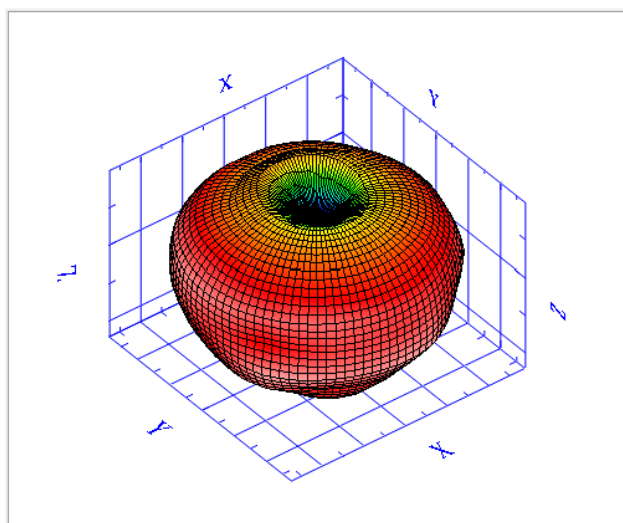
2450.00_XZ Plane



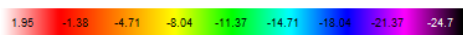
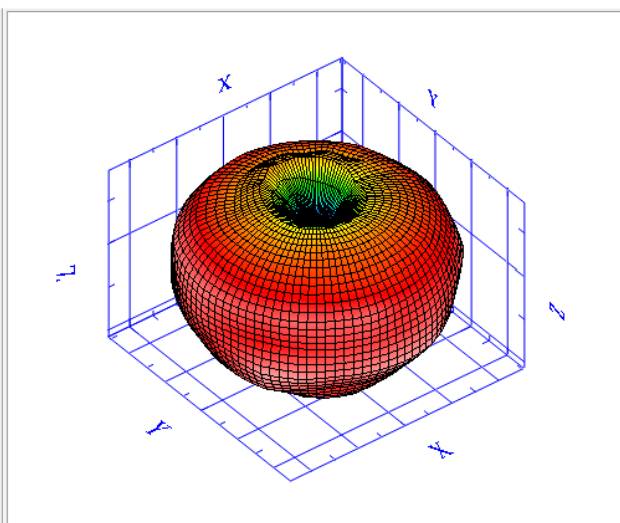
2500.00_XZ Plane

◆ 3D 方向图 (3D Radiation Pattern)

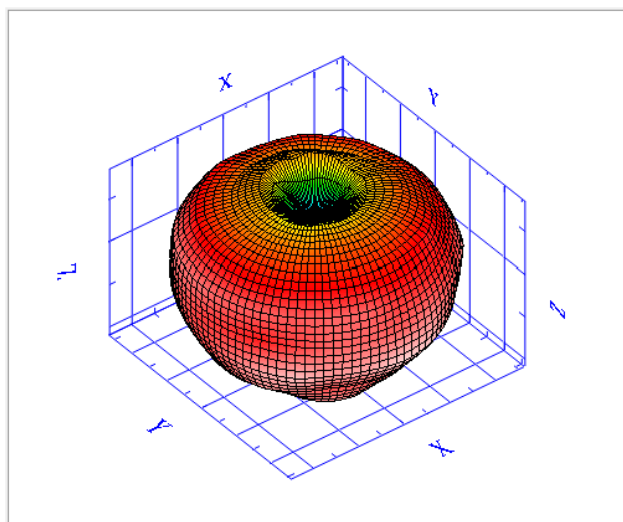




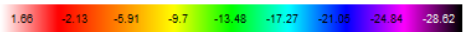
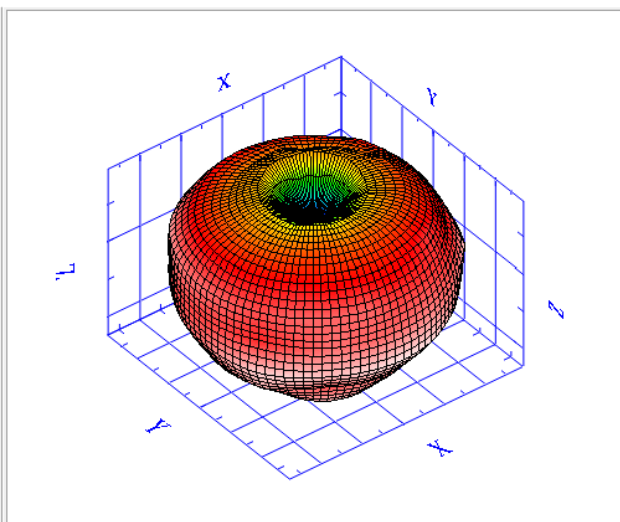
2440.00_3D



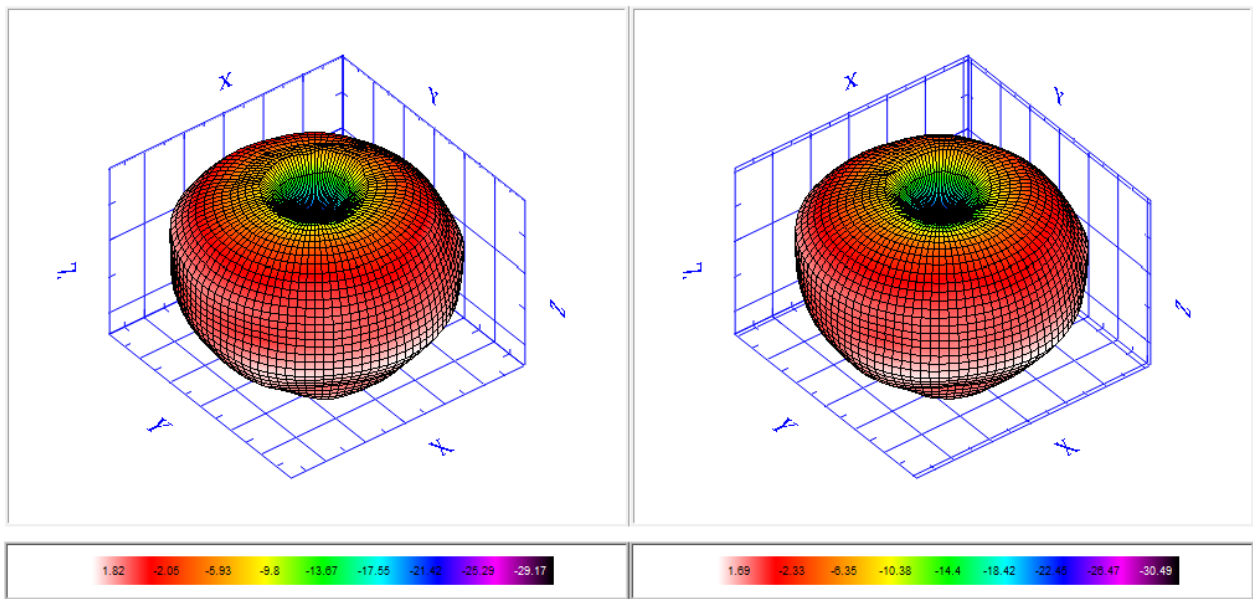
2450.00_3D



2460.00_3D

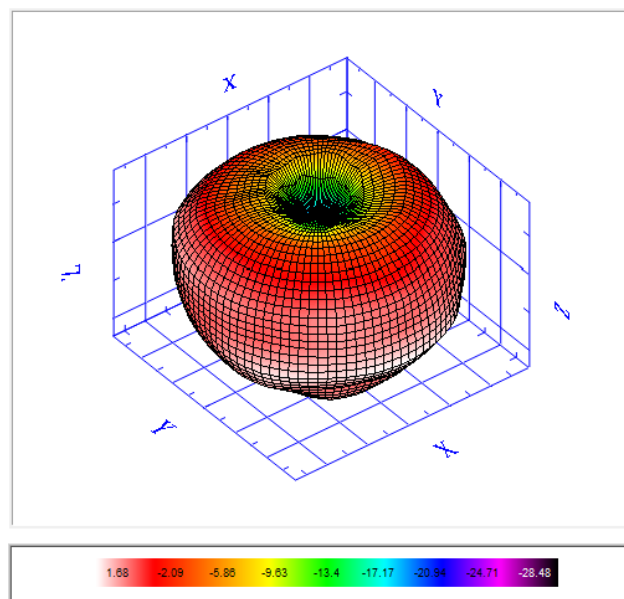


2470.00_3D



2480.00_3D

2490.00_3D



2500.00_3D

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
E-Total Peak Gain (dBi)	1.73	1.62	1.71	1.92	1.83	1.95	1.72	1.66	1.82	1.69	1.68
Efficiency (%)	79.23	80.8	82.16	82.26	74.63	75.05	74.6	75.34	79.89	74.77	74.82
Average Gain (dB)	-1.01	-0.93	-0.85	-0.85	-1.27	-1.25	-1.27	-1.23	-0.98	-1.26	-1.26