

东振电子有限公司

天线规格承认书

Antenna Specification for Approval

客户名称

Customer Name: _____

产品名称

Product Name: 2.4G copper tube antenna full length 100 black

客户型号:

Product Name: _____

产品料号:

Part NO. : C113H-BT4429-100

制表:

Write By: 周敏

日期:

Issued Date: 2021-10-20

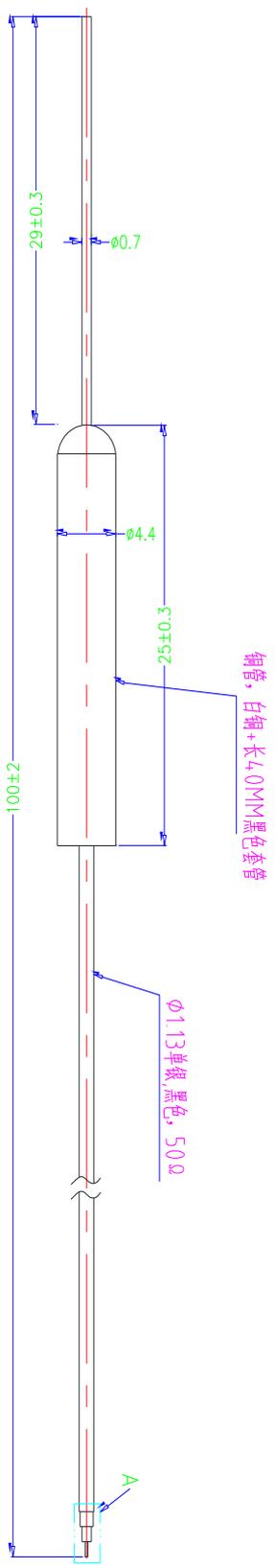
客 户:

| | | |
|------------|-----------------|----------------|
| 工程R&D Dept | 采购Business Dept | 承认 Approved By |
| | | |

东 振 电 子

| | | |
|------------|------------------|-------------|
| 研发R&D Dept | 工程 Engineer Dept | 审核 Approval |
| | | |

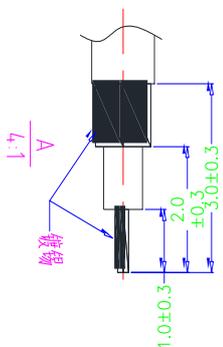
| | | | | |
|----|----|------|----|----|
| 标记 | 数量 | 更改内容 | 签字 | 日期 |
| | | | | |



铜管, 白铜+长4.0MM黑色套管

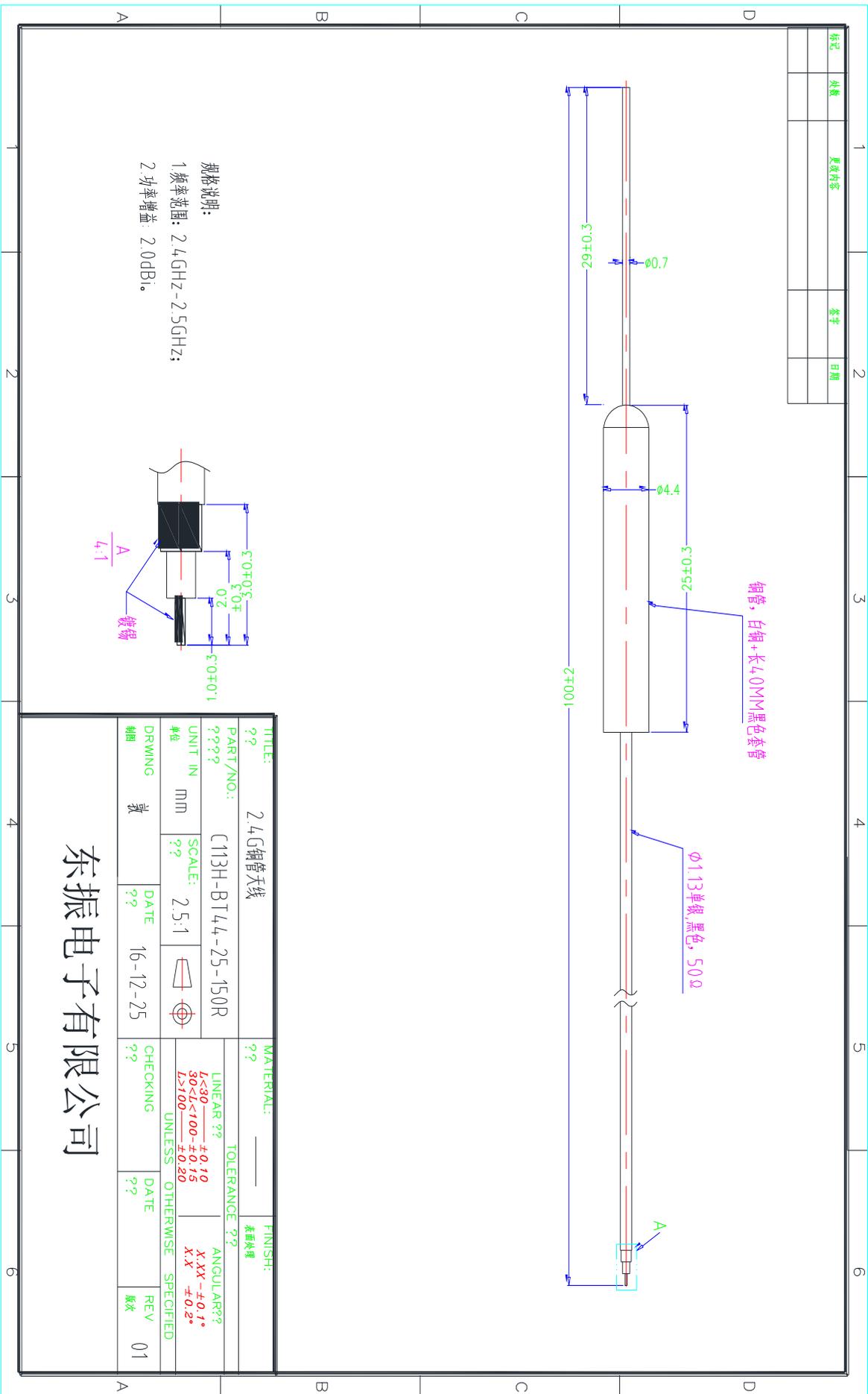
φ11.3单镀, 黑色, 50Ω

规格说明:
1. 频率范围: 2.4GHz-2.5GHz;
2. 功率增益: 2.0DBi。



| | | | | | |
|------------------------------|--|----------------|--|--------------|--|
| TITLE: 2.4G铜管天线 | | MATERIAL: ?? | | FINISH: 表面处理 | |
| PART/NO.: C113H-BT44-25-150R | | TOLERANCE ?? | | ANGULAR?? | |
| UNIT IN: mm | | SCALE: 2.5:1 | | X.XX ±0.1° | |
| DRAWING: 数 | | DATE: 16-12-25 | | X.X ±0.2° | |
| CHECKING: ?? | | DATE: ?? | | REV: 01 | |
| UNLESS OTHERWISE SPECIFIED | | | | | |

东振电子有限公司



Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <2.0

Efficiency >75%

Impedance 50 Ohm

Polarization Line

Gain 2DBi

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.13 灰色

Connector Type : NO

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

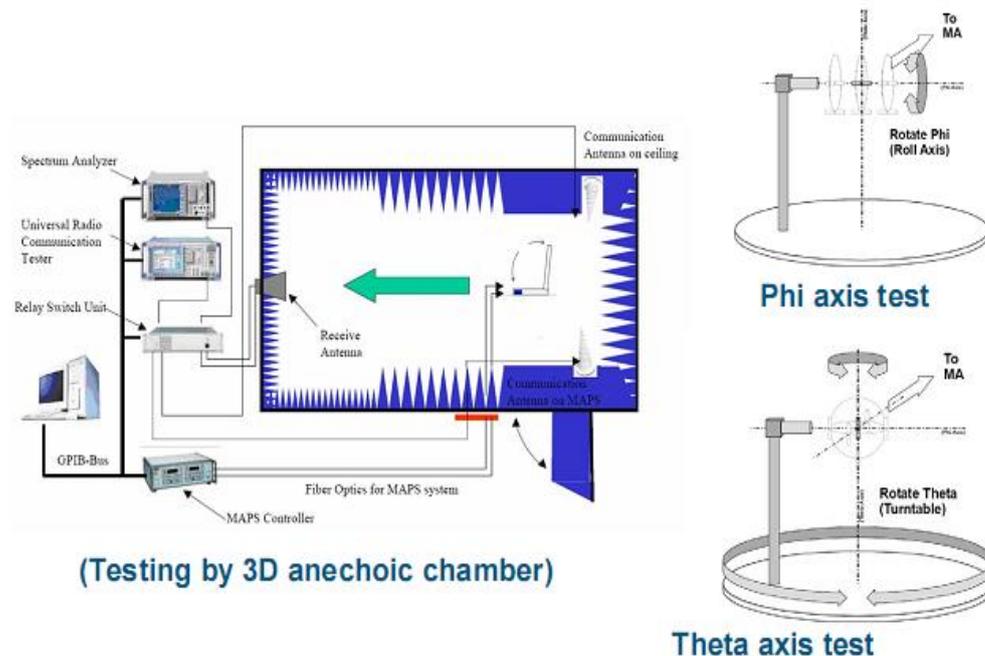
1. Network Analyzers :

Agilent 8753D 5071B

2. Communications Test Set:

Agilent E5515C

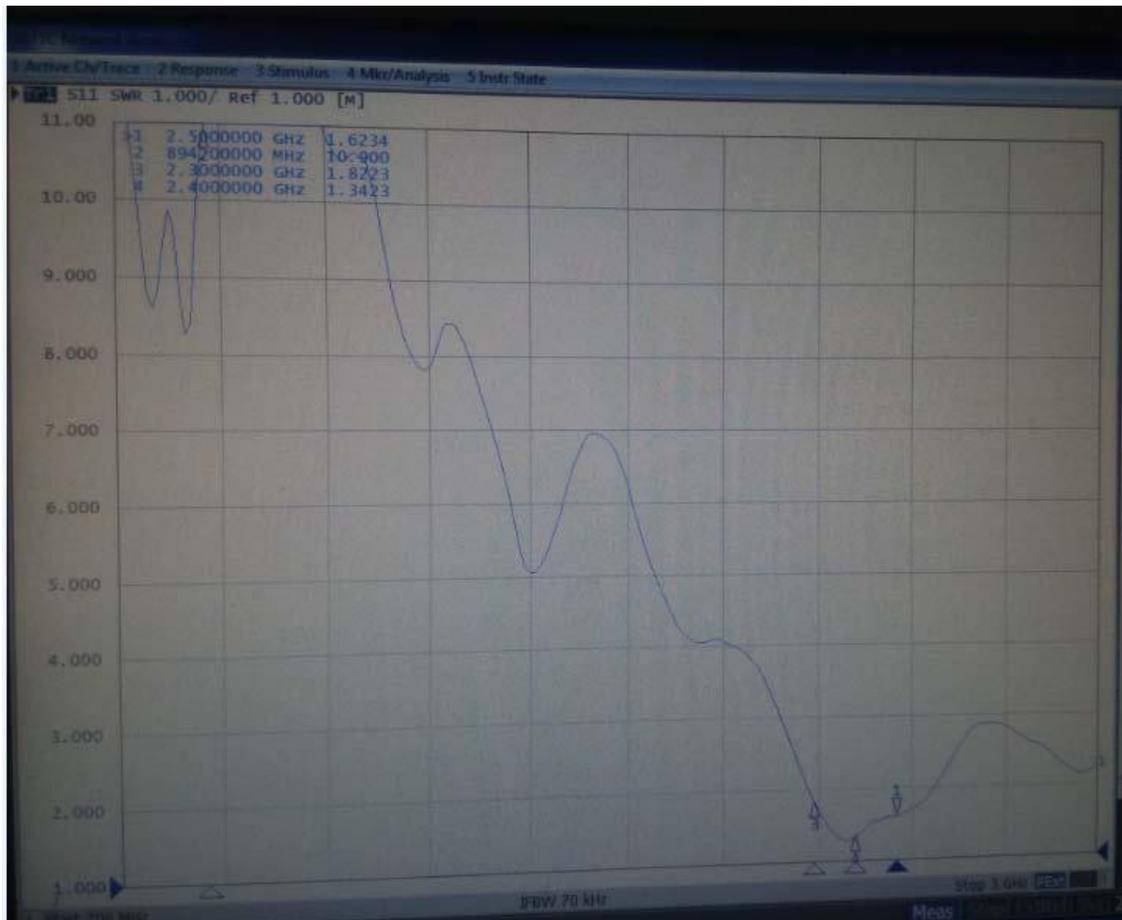
3. 3D Chamber Test System



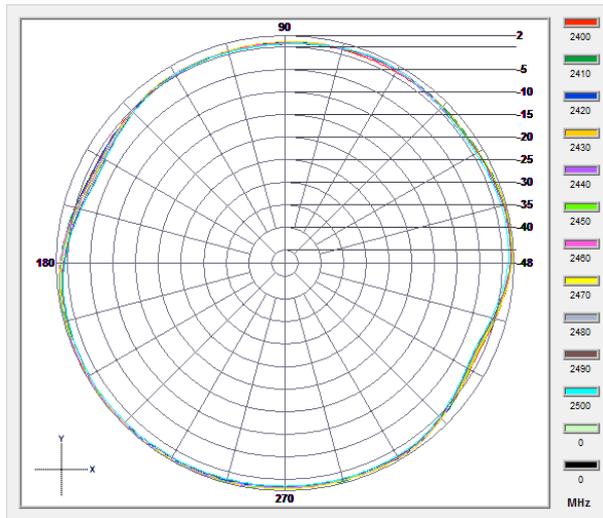
Efficiency & Gain

| Freq (MHz) | Effi (%) | Gain (dBi) |
|------------|----------|------------|
| 2400 | 76.92 | 2.8 |
| 2410 | 75.12 | 2.88 |
| 2420 | 73.34 | 2.7 |
| 2430 | 72.57 | 2.99 |
| 2440 | 66.67 | 2.61 |
| 2450 | 71.03 | 2.83 |
| 2460 | 70.83 | 2.82 |
| 2470 | 71.95 | 2.89 |
| 2480 | 72.28 | 2.68 |
| 2490 | 68.19 | 2.62 |
| 2500 | 67.42 | 2.03 |

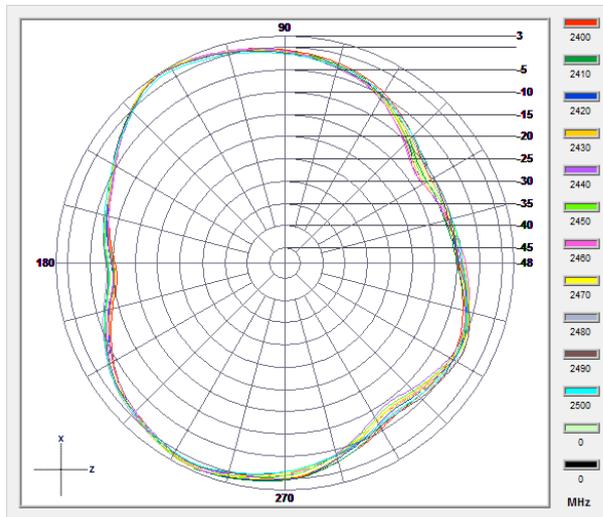
S11



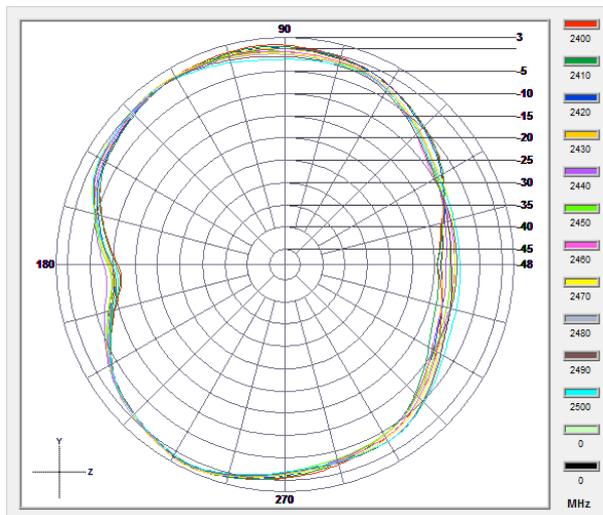
Radiation Pattern:



XY

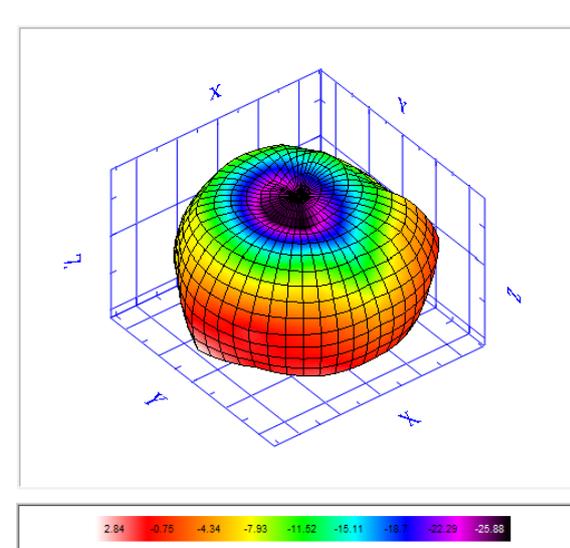
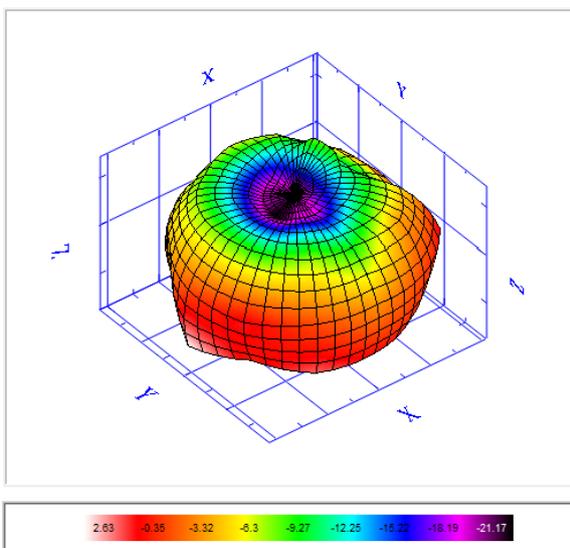
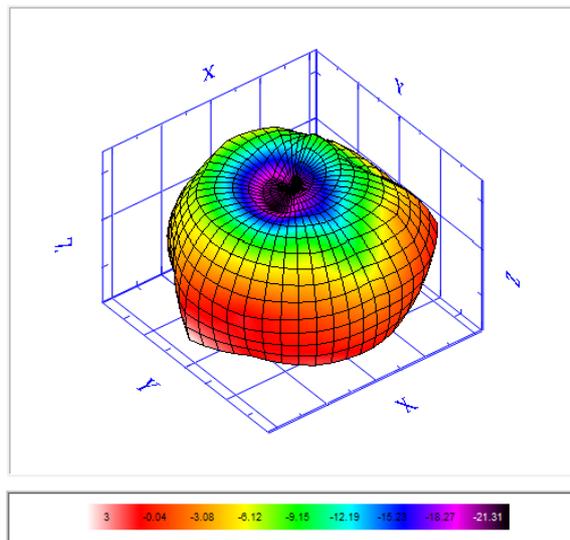
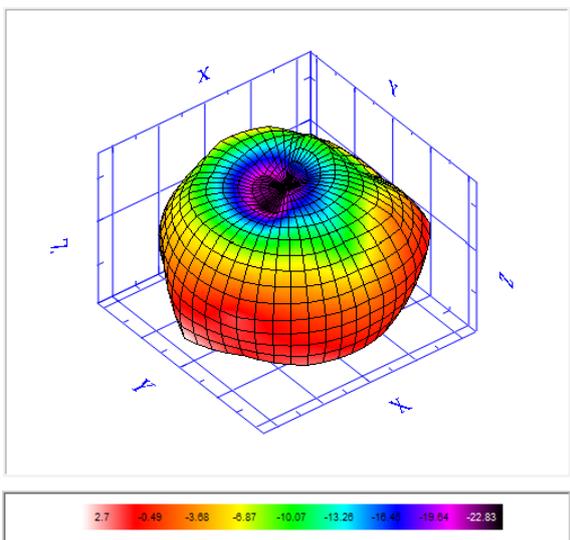
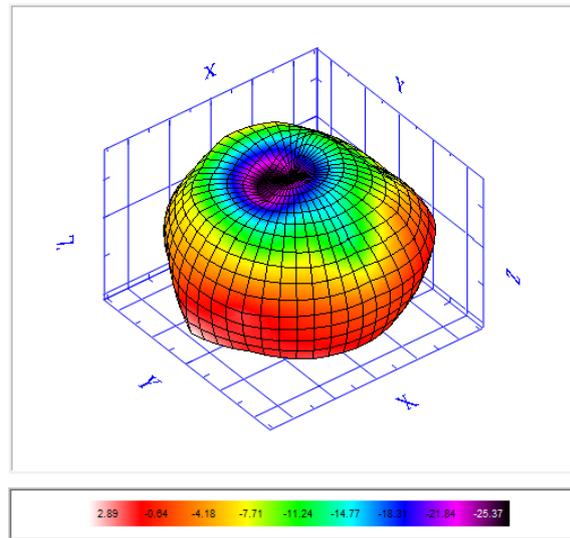
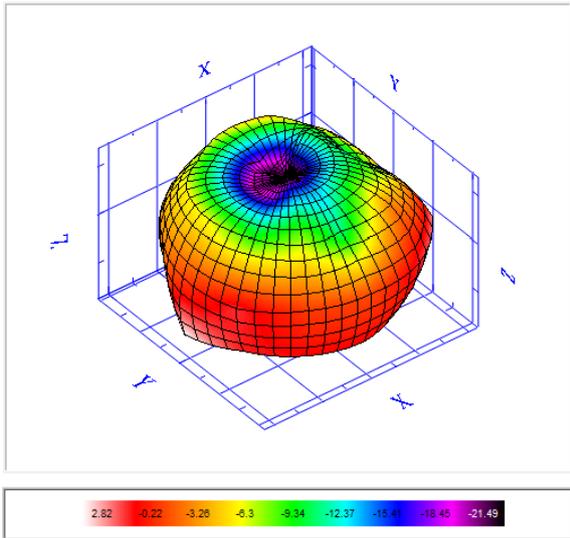


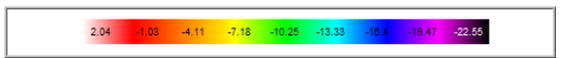
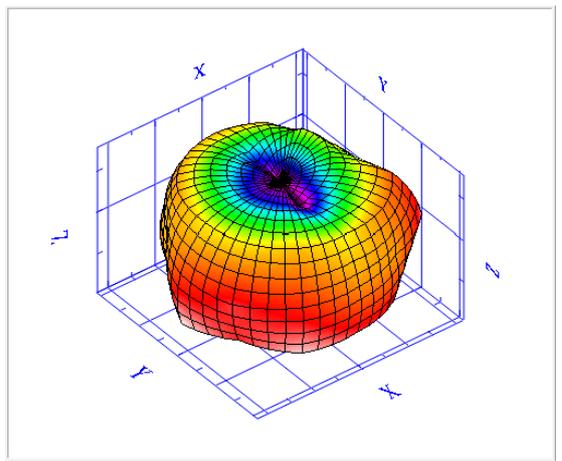
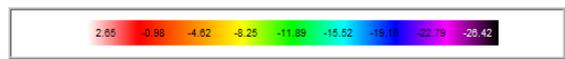
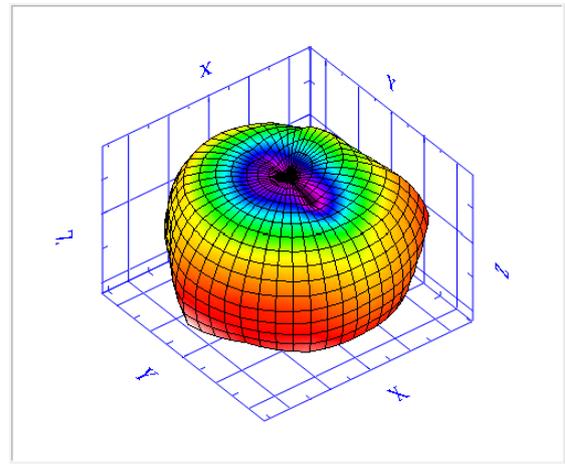
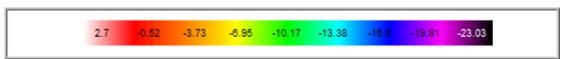
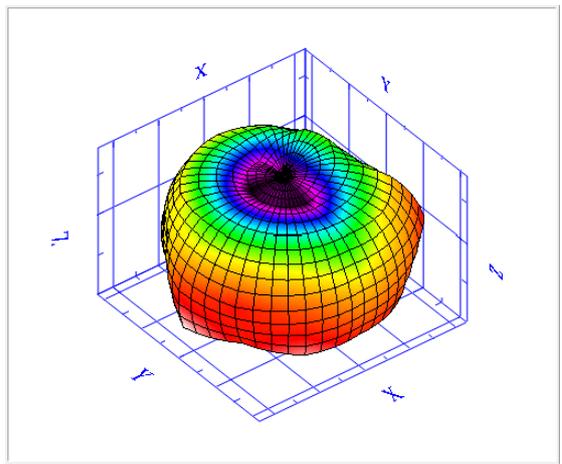
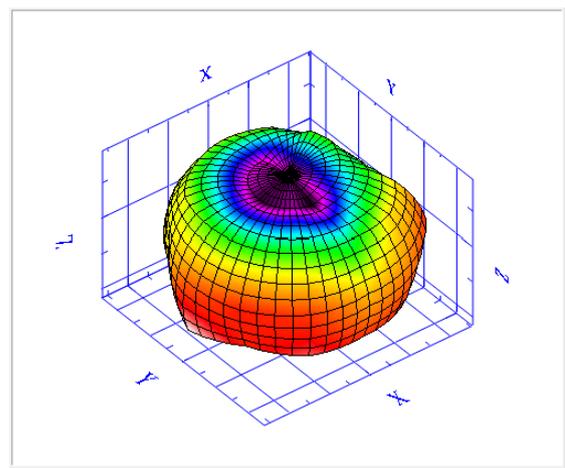
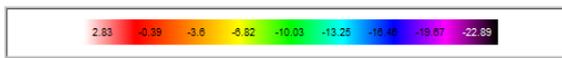
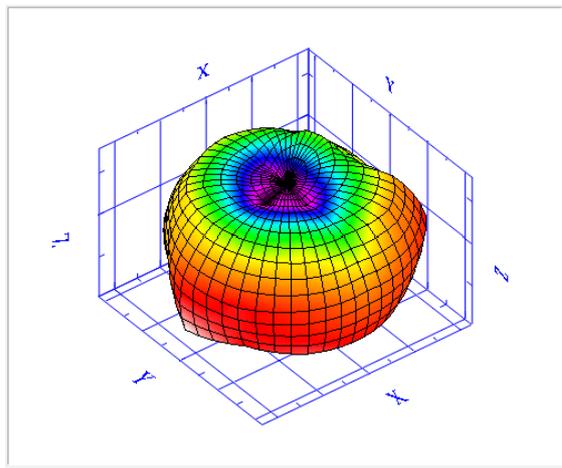
XZ



YZ

2400 2410 2420 2430 2440 2450 2460 2470 2480 2490 2500





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