



深圳市昱晟通讯设备有限公司

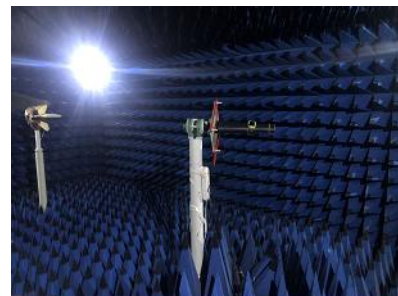
Yusheng Communications-equipment Co.,LTD

# 沸石科技M42449TML天线调试报告

射频：贺磊

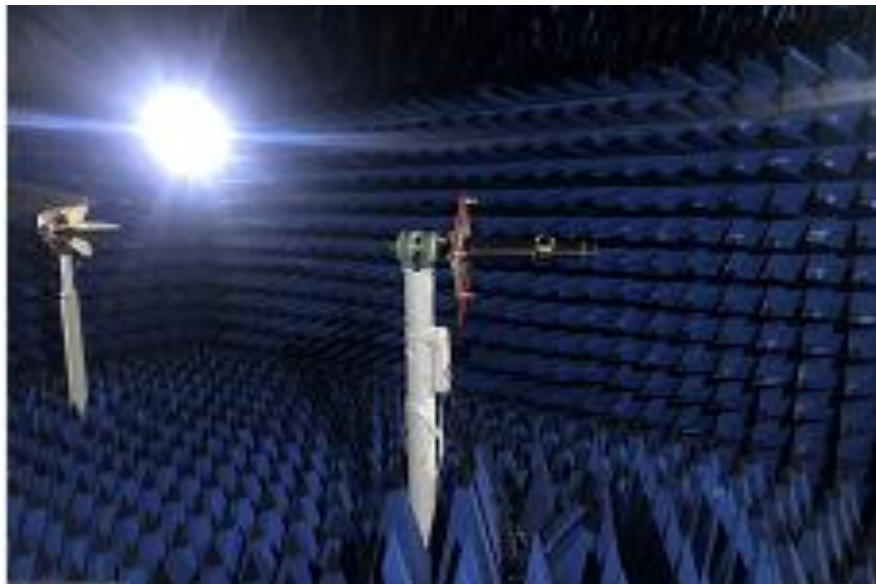
日期：2025-12-26

联系方式：15767667652



## 项目开发环境

我们正在从互联网时代迈向智能时代，国家在构建数字社会与智慧城市。未来的5-10年无论是消费电子市场还是物联网市场都存在着巨大的发展潜力。无线通讯领域是非常多元化的，未来昱晟依托天线主业的客户平台优势和本身的综合实力，力争为客户提供具有市场竞争力的专业级产品解决方案。



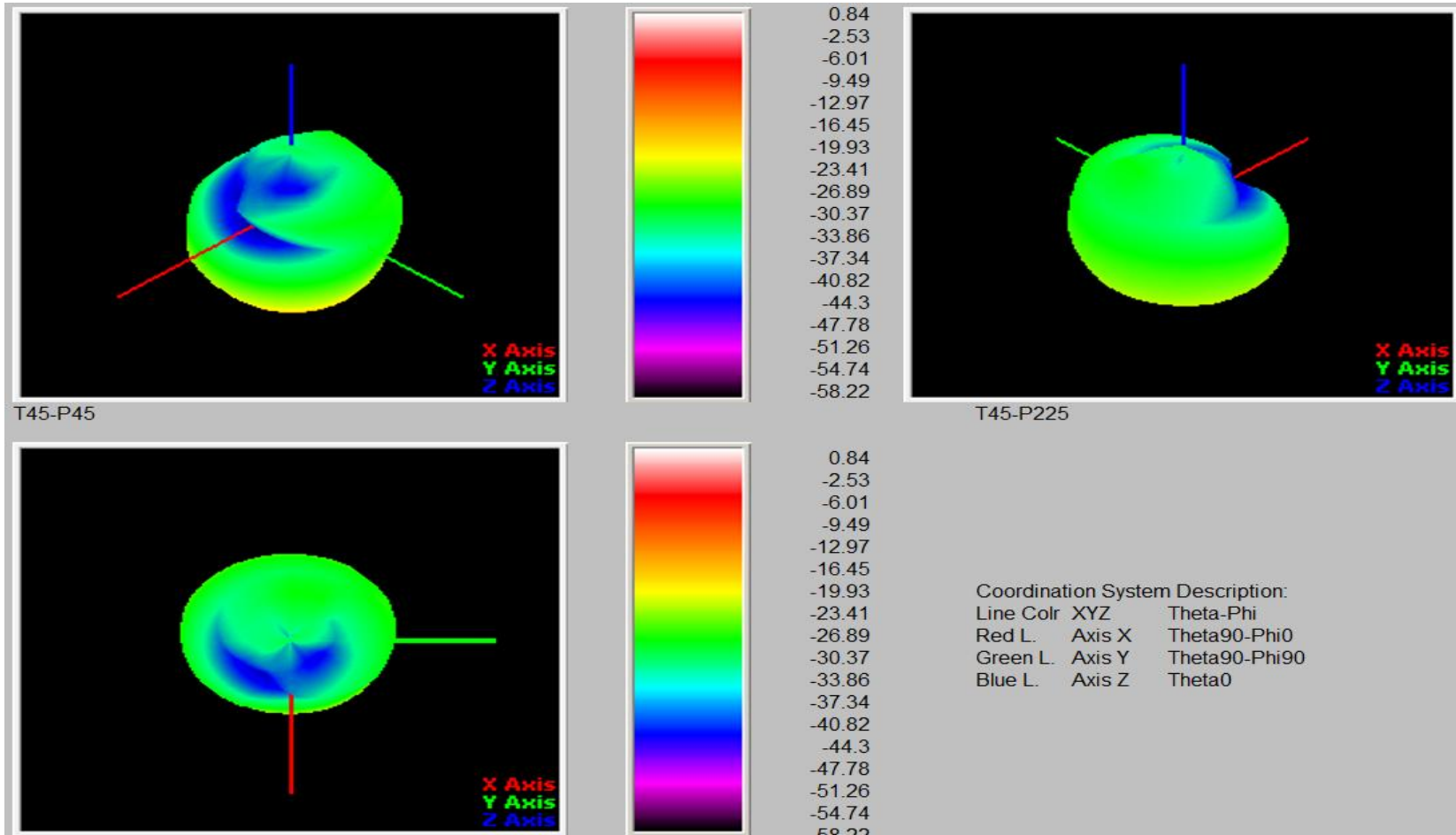
昱晟通讯的产品几乎涵盖所有无线终端设备的天线应用，包括汽车天线、高精度测量测绘天线、无人机地面与卫星数据导航、高精度定位天线、医疗设备无线传输、消费类天线(手机天线、PAD、笔记本电脑天线)，基站/室内分布天线，智能穿戴天线（智能手表、TWS耳机），安防家居天线以及多种无线数据传输及无线控制的智能设备天线等。

## 天线增益

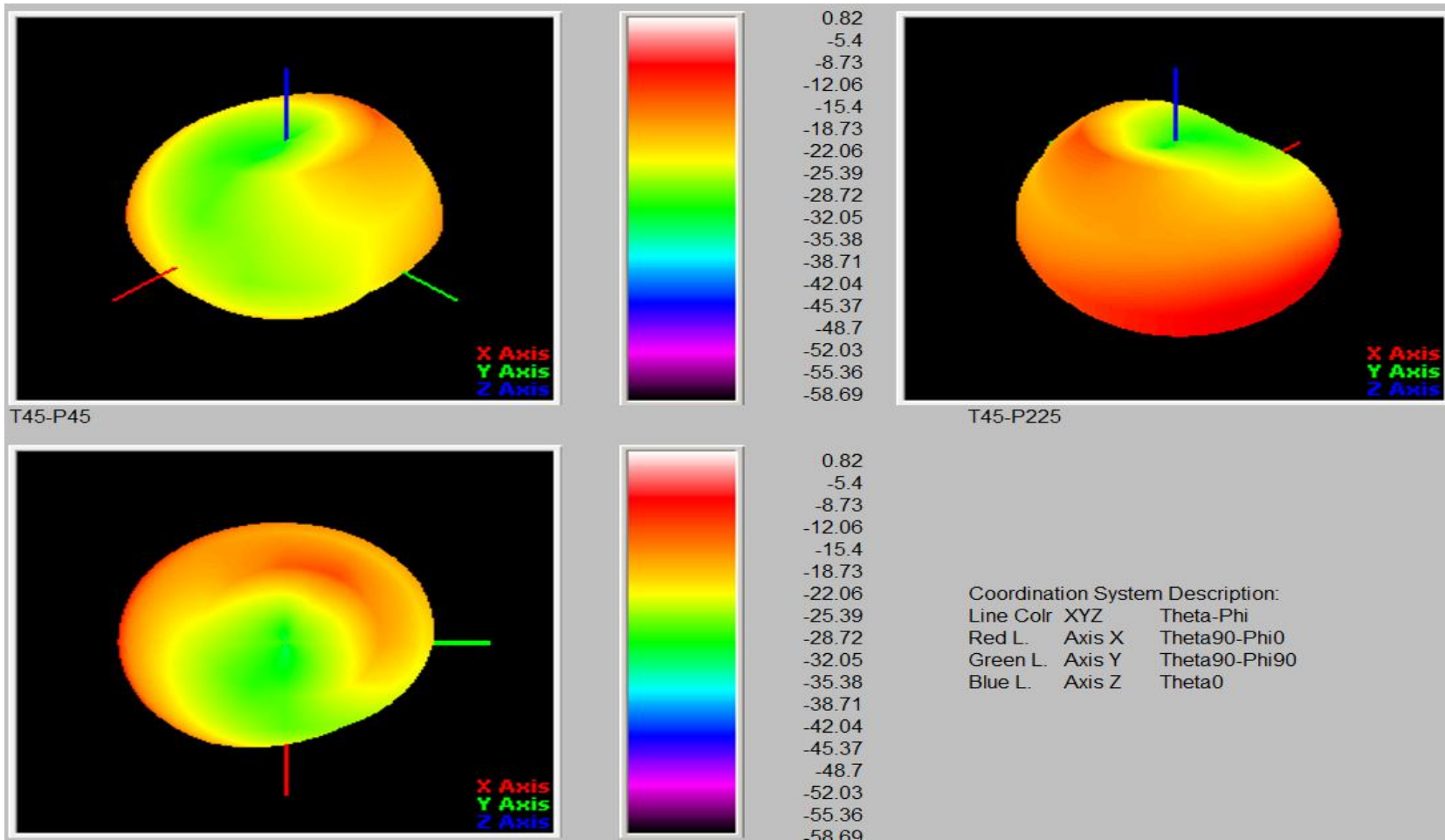
| Band            | Gain (MAX)  |            |             |
|-----------------|-------------|------------|-------------|
| <b>GSM850</b>   | <b>0.84</b> | <b>GPS</b> | <b>1.25</b> |
| <b>EGSM900</b>  | <b>0.82</b> | <b>BT</b>  | <b>1.12</b> |
| <b>DCS1800</b>  | <b>0.63</b> |            |             |
| <b>PCS1900</b>  | <b>0.58</b> |            |             |
| <b>WCDMA B2</b> | <b>0.58</b> |            |             |
| <b>WCDMA B4</b> | <b>0.69</b> |            |             |
| <b>WCDMA B5</b> | <b>0.84</b> |            |             |
| <b>WCDMA B8</b> | <b>0.82</b> |            |             |
| <b>LTE B2</b>   | <b>0.58</b> |            |             |
| <b>LTE B4</b>   | <b>0.69</b> |            |             |
| <b>LTE B5</b>   | <b>0.84</b> |            |             |
| <b>LTE B7</b>   | <b>0.79</b> |            |             |
| <b>LTE B28</b>  | <b>0.76</b> |            |             |
| <b>LTE B38</b>  | <b>0.79</b> |            |             |
| <b>LTE B66</b>  | <b>0.69</b> |            |             |

LTE及DRX及GWB均采用PIFA天线类型

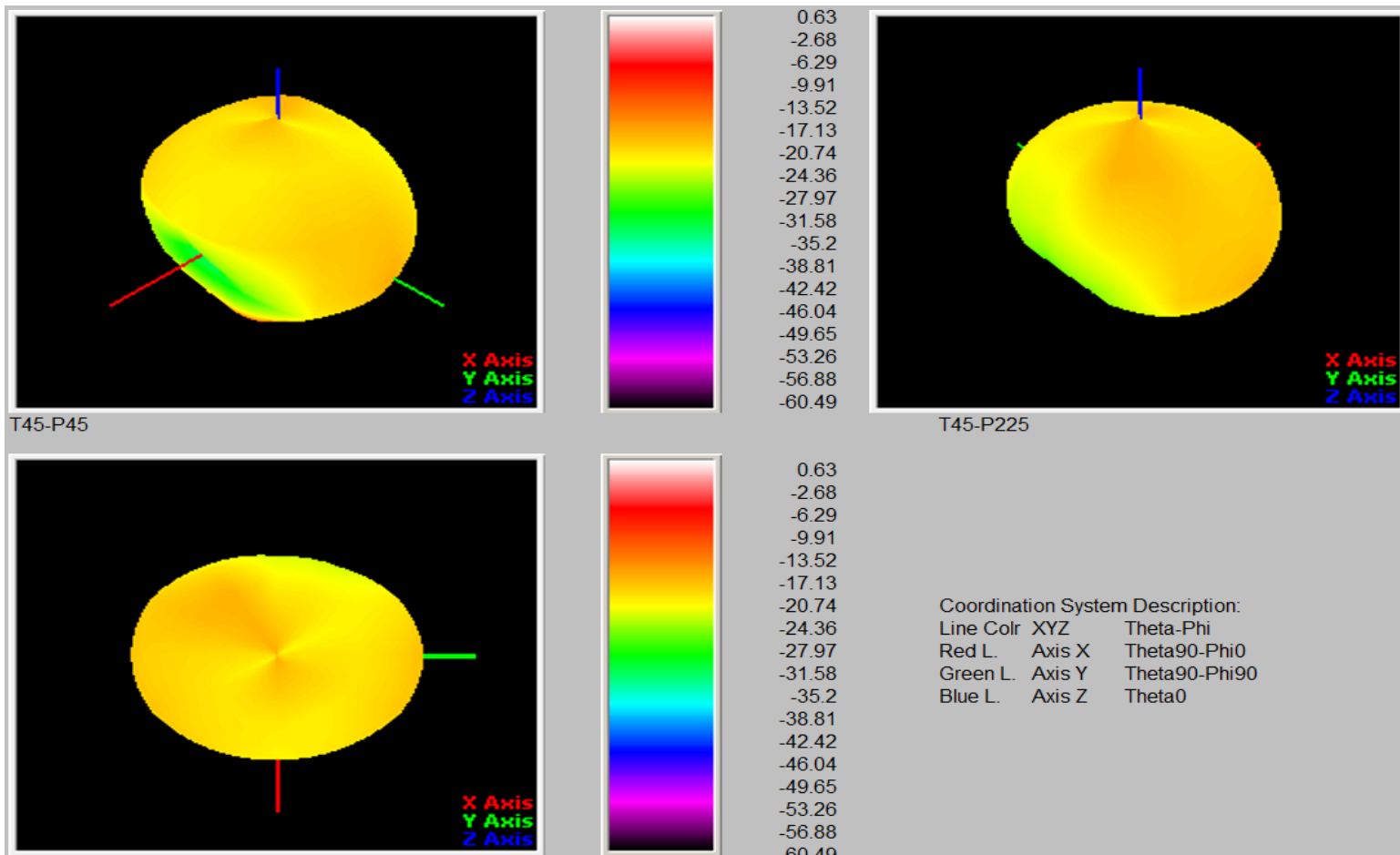
## GSM Band5/WCDMA Band5/LTE Band5



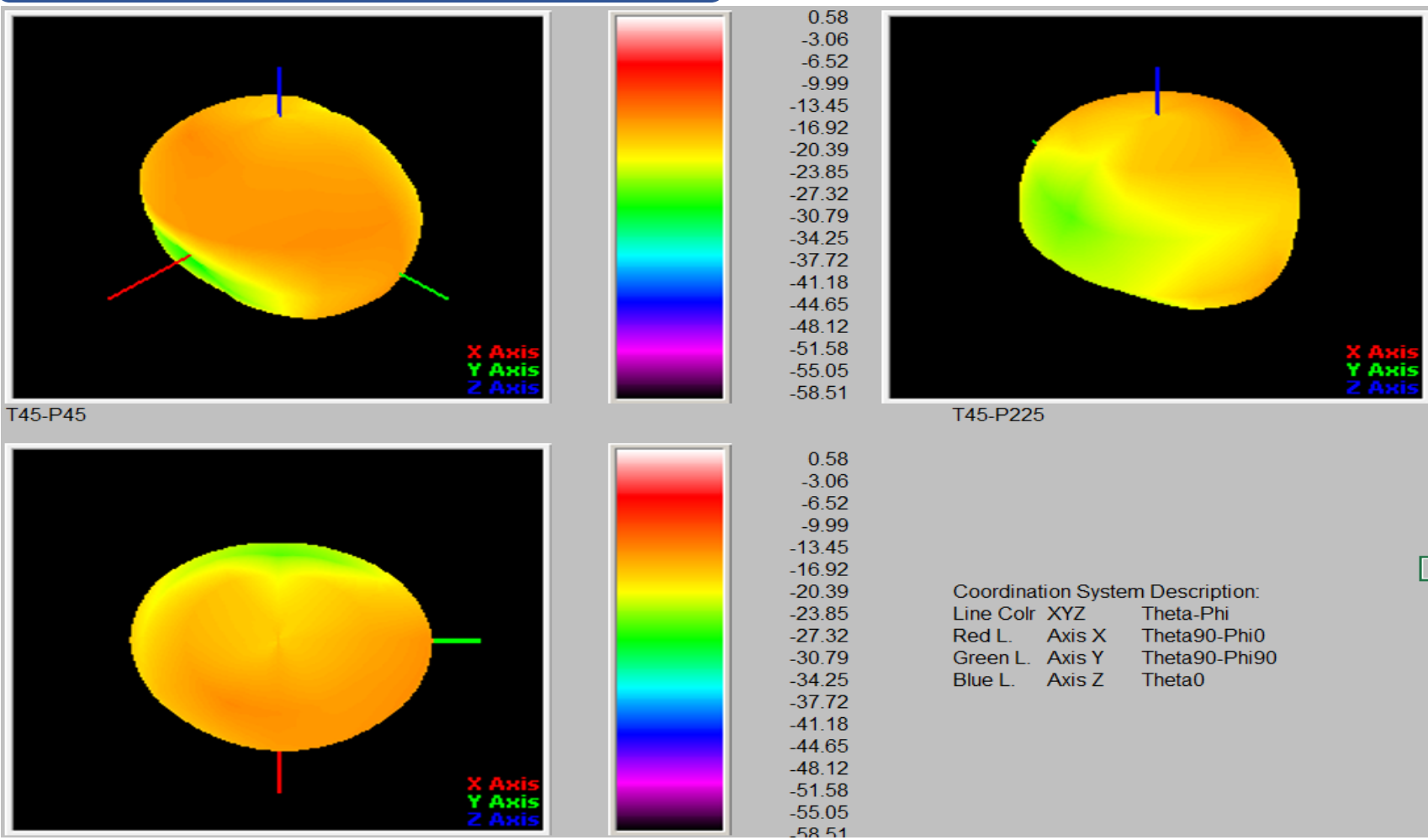
## GSM Band8/WCDMA Band8



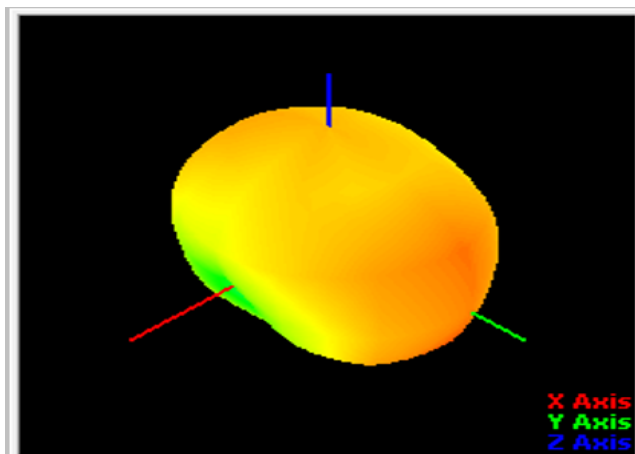
## GSM 1800/WCDMA Band4/LTE Band4/66



## GSM 1900/WCDMA Band2/LTE Band2



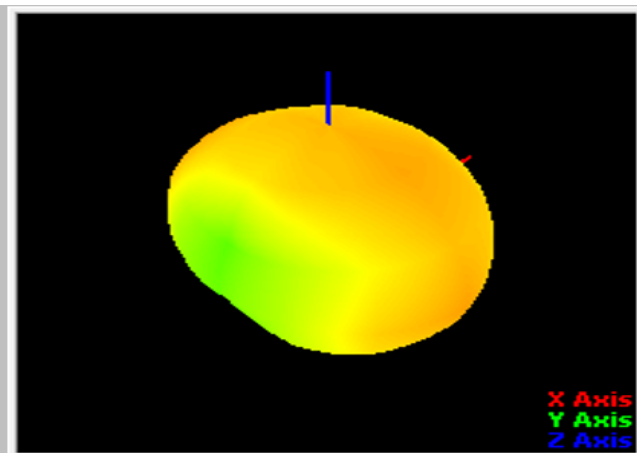
## LTE Band7/38



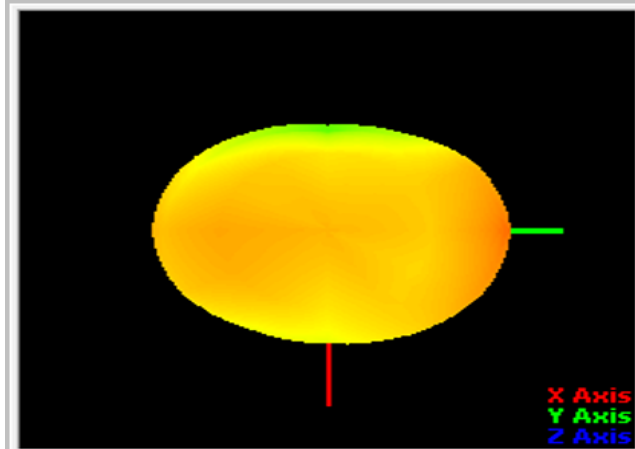
T45-P45



0.79  
 -2.67  
 -6.39  
 -10.12  
 -13.84  
 -17.56  
 -21.28  
 -25  
 -28.72  
 -32.44  
 -36.16  
 -39.88  
 -43.6  
 -47.32  
 -51.04  
 -54.76  
 -58.48  
 -62.2



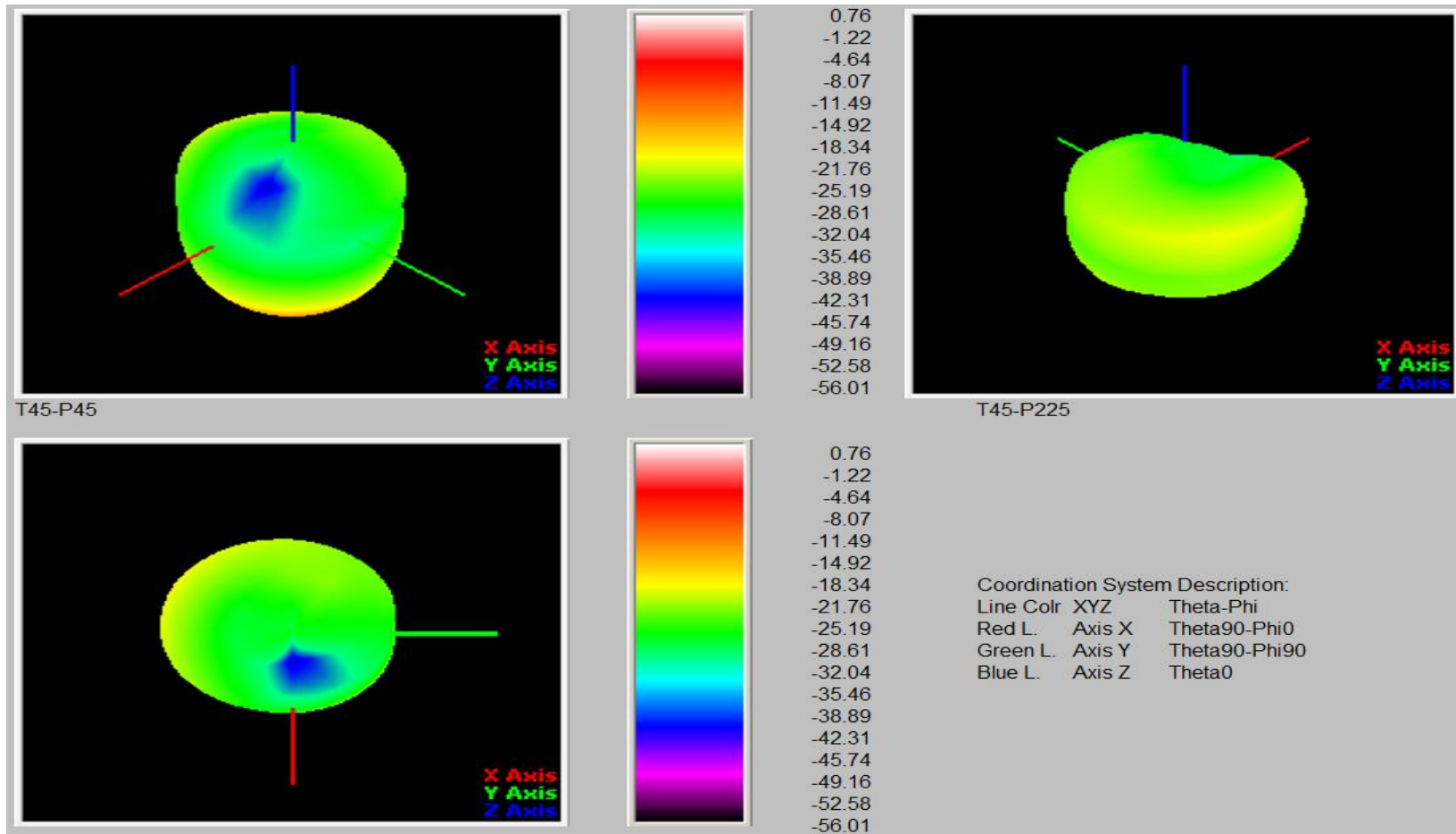
T45-P225



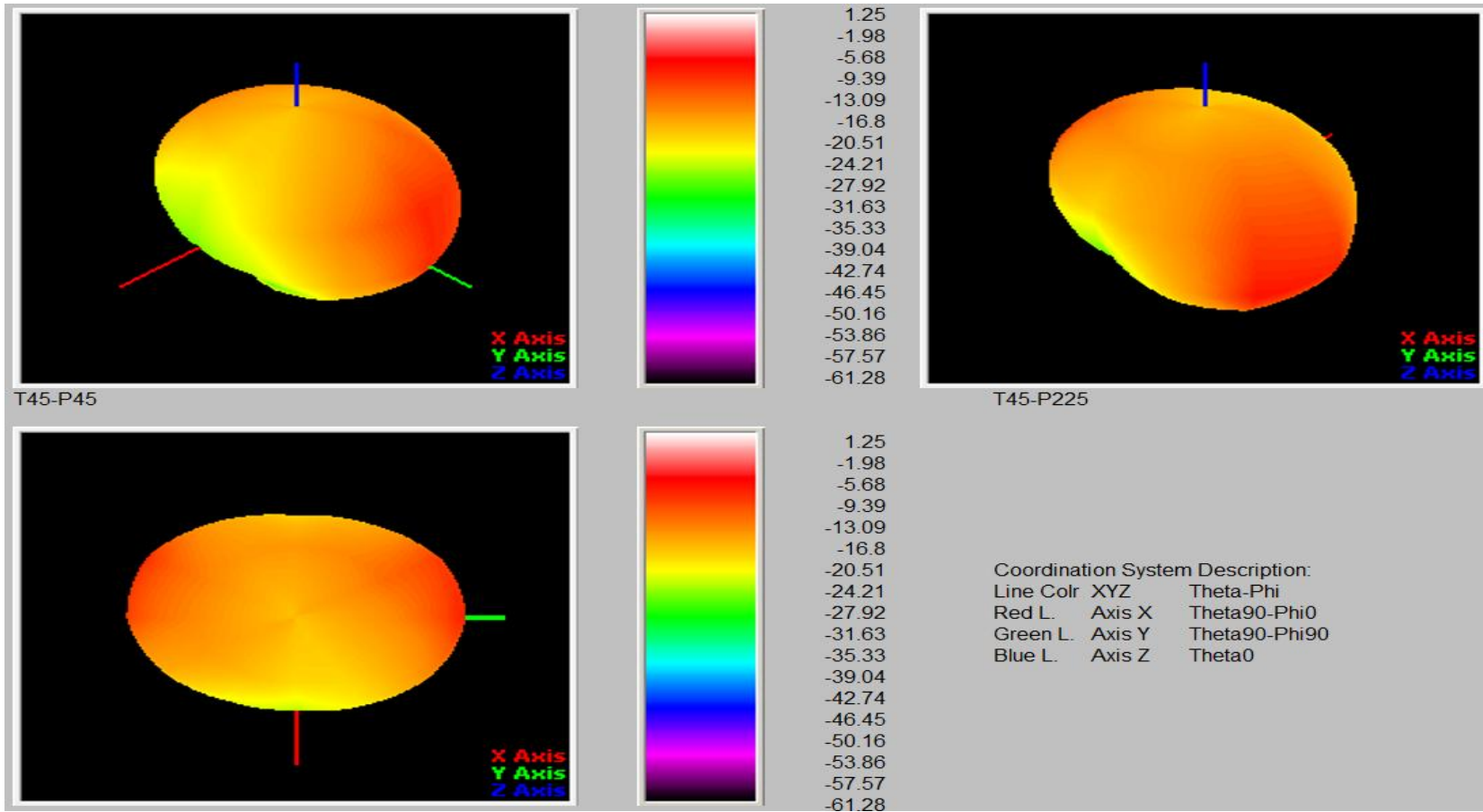
0.79  
 -2.67  
 -6.39  
 -10.12  
 -13.84  
 -17.56  
 -21.28  
 -25  
 -28.72  
 -32.44  
 -36.16  
 -39.88  
 -43.6  
 -47.32  
 -51.04  
 -54.76  
 -58.48  
 -62.2

Coordination System Description:  
 Line Color XYZ Theta-Phi  
 Red L. Axis X Theta90-Phi0  
 Green L. Axis Y Theta90-Phi90  
 Blue L. Axis Z Theta0

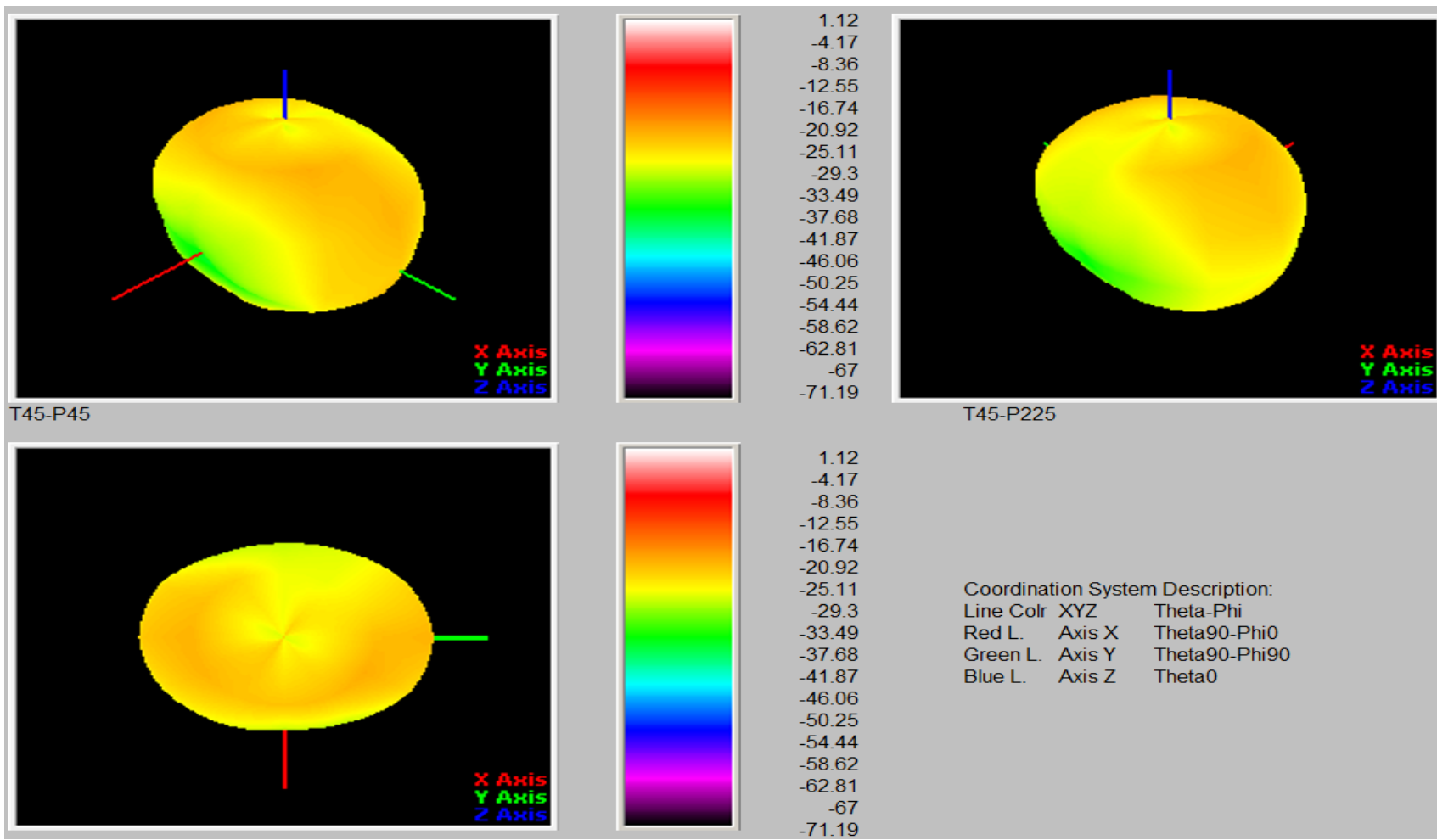
## LTE Band28



### GPS



## BT



# *Thank you!*



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