



# 深圳市亿铭远科技有限公司

行业领先的一站式通信射频天线解决方案制造商

Dongle Antenna Report

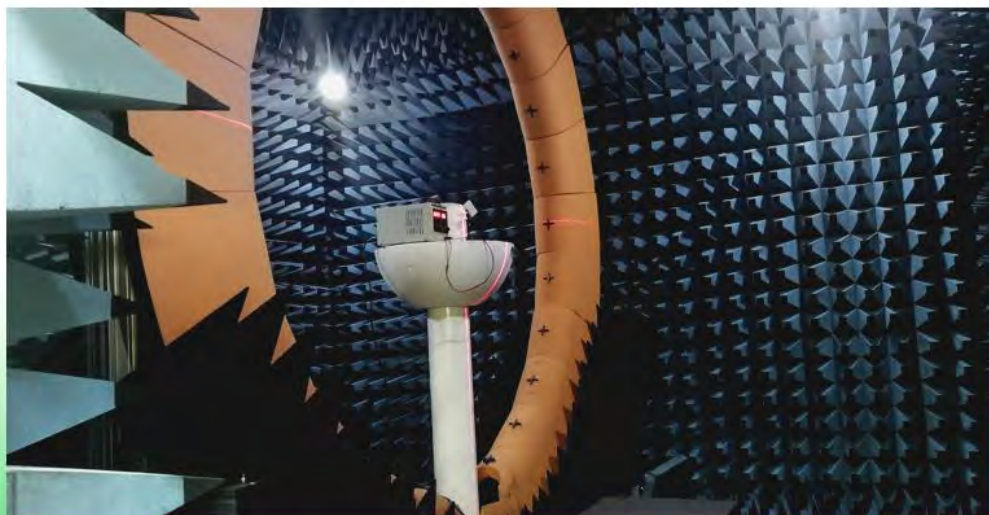
Yimingyuan Technology

Address: No. 5, Hualian Industrial Zone, Dalang Community,  
Dalang Street, Longhua District, Shenzhen

携手共进 共创未来



Yimingyuan Technology



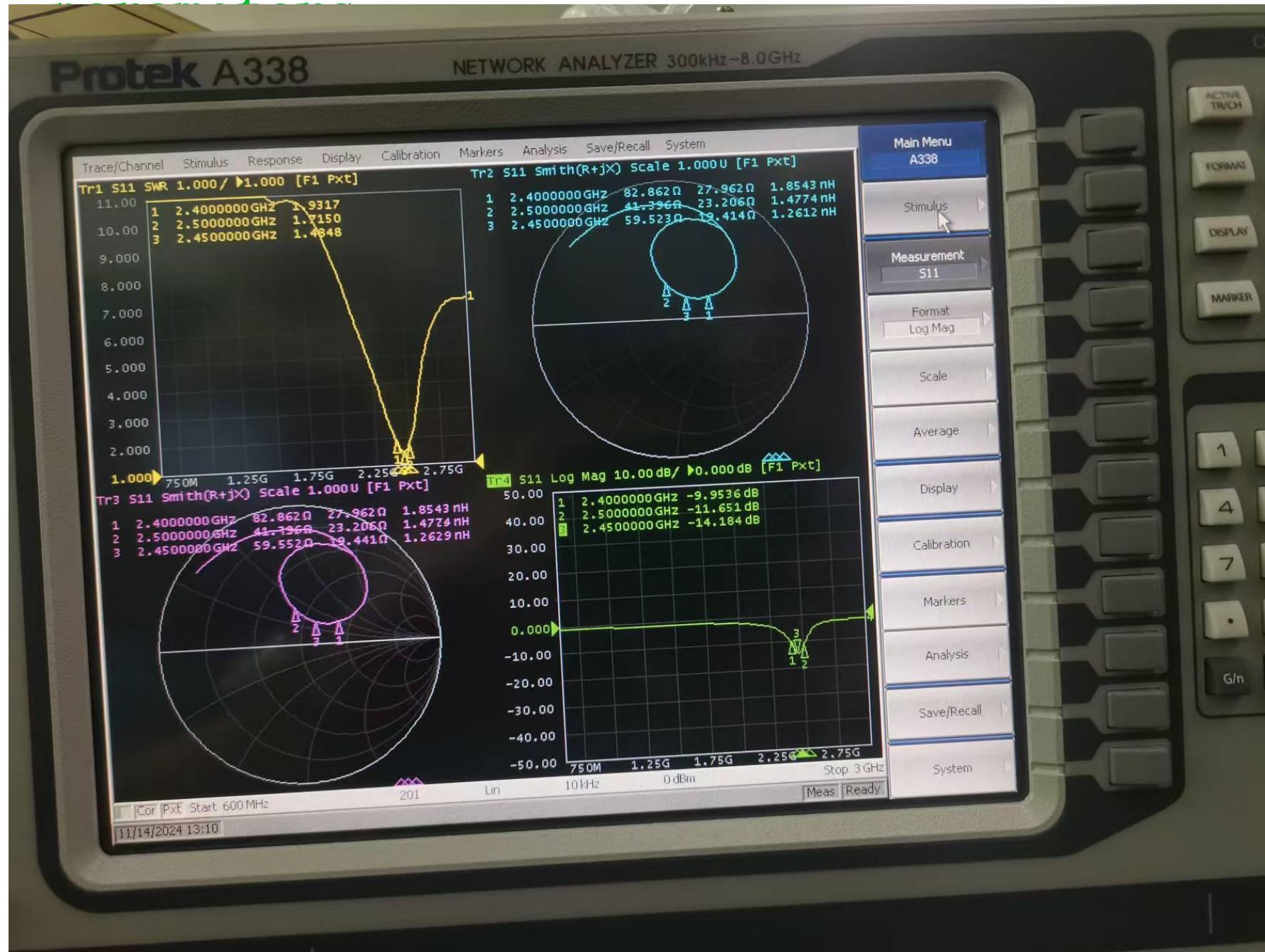
亿铭远一直都是您值得信赖且优秀的合作伙伴，我们为您提供全方位一站式的产品以及技术服务！

“质量第一，服务至上”是亿铭远一直以来的发展宗旨

携手共进 共创未来



# Antenna smith circle diagram and S11



# Antenna gain and efficiency

|                                             |       |                           |       |       |       |       |       |       |       |       |       |       |       |
|---------------------------------------------|-------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 深圳市亿铭远科技有限公司                                |       |                           |       |       |       |       |       |       |       |       |       |       |       |
| 测试数据报告                                      |       | 地址：深圳市龙华区大浪街道颐丰华创新产业园5栋2楼 |       |       |       |       |       |       |       |       |       |       |       |
| 软件版本：SNF V2.4.2    导出时间：2024/10/14 11:33:14 |       |                           |       |       |       |       |       |       |       |       |       |       |       |
| Frequency ID                                | 1     | 2                         | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    |
| Frequency（MHz）                              | 2402  | 2410                      | 2416  | 2422  | 2428  | 2434  | 2440  | 2446  | 2454  | 2460  | 2466  | 2472  | 2480  |
| Gain（dBi）                                   | 3.00  | 3.36                      | 3.32  | 3.40  | 3.38  | 3.39  | 3.37  | 3.59  | 3.77  | 3.71  | 3.23  | 3.10  | 3.63  |
| Efficiency（dB）                              | -4.51 | -4.14                     | -4.33 | -4.46 | -4.44 | -4.41 | -4.46 | -4.45 | -4.46 | -4.55 | -4.93 | -5.08 | -4.72 |
| Efficiency（%）                               | 35.36 | 38.56                     | 36.90 | 35.79 | 35.95 | 36.21 | 35.83 | 35.90 | 35.82 | 35.06 | 32.17 | 31.05 | 33.72 |

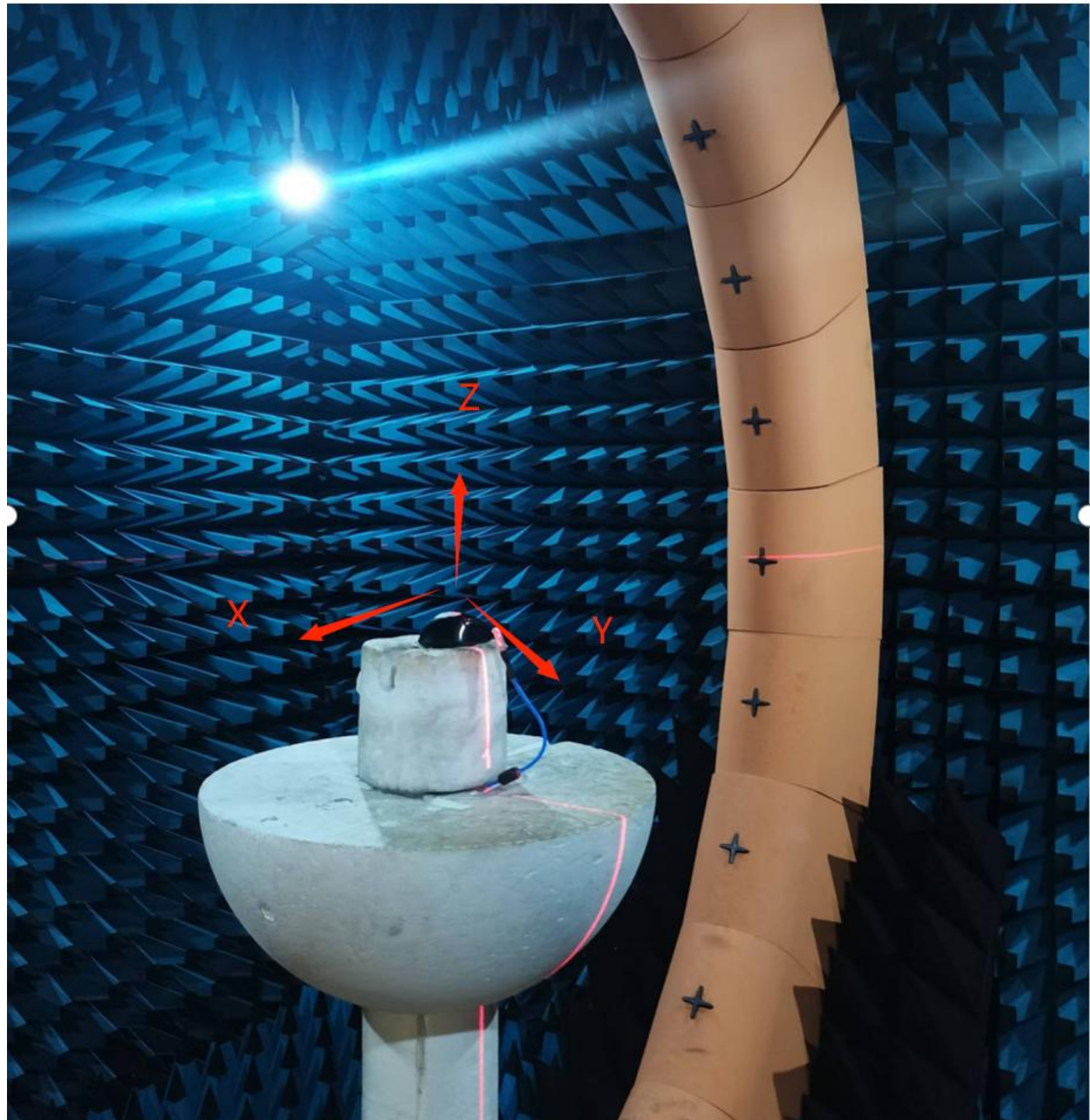
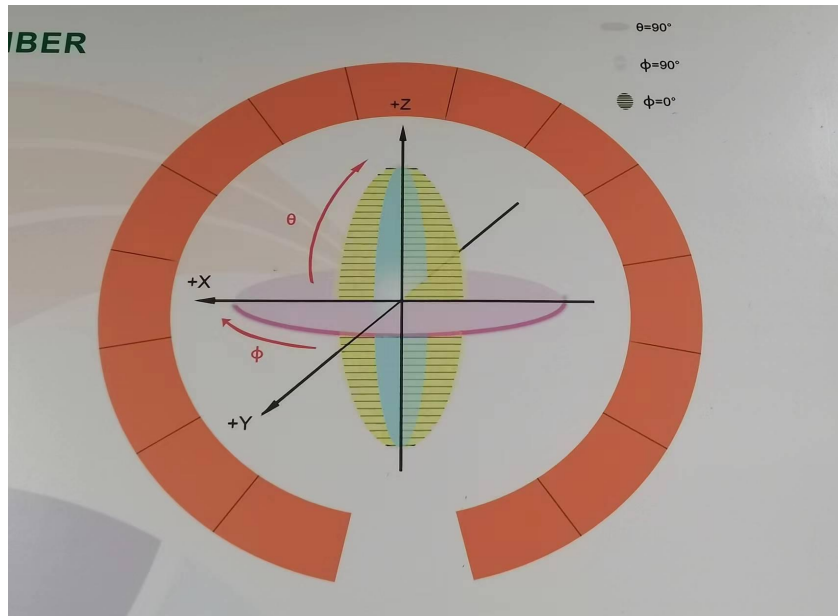
|              |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Plane: Phi=0 | 2402 | 2410 | 2416 | 2422 | 2428 | 2434 | 2440 | 2446 | 2454 | 2460 | 2466 | 2472 | 2480 |
|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|

|               |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Plane: Phi=90 | 2402 | 2410 | 2416 | 2422 | 2428 | 2434 | 2440 | 2446 | 2454 | 2460 | 2466 | 2472 | 2480 |
|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|

|                 |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Plane: Theta=90 | 2402 | 2410 | 2416 | 2422 | 2428 | 2434 | 2440 | 2446 | 2454 | 2460 | 2466 | 2472 | 2480 |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|

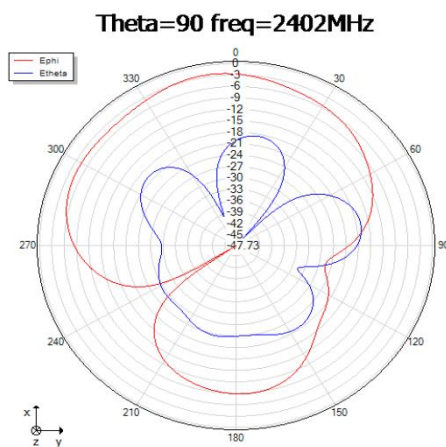
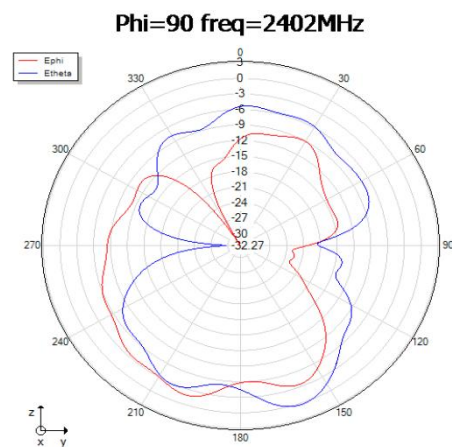
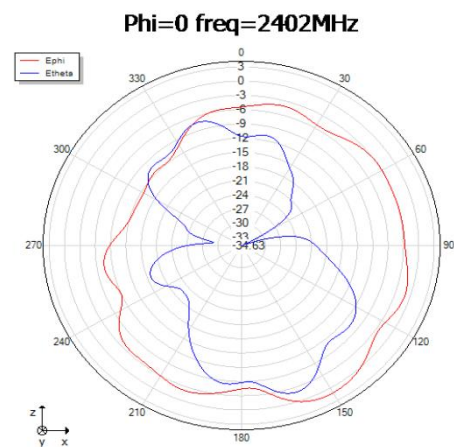
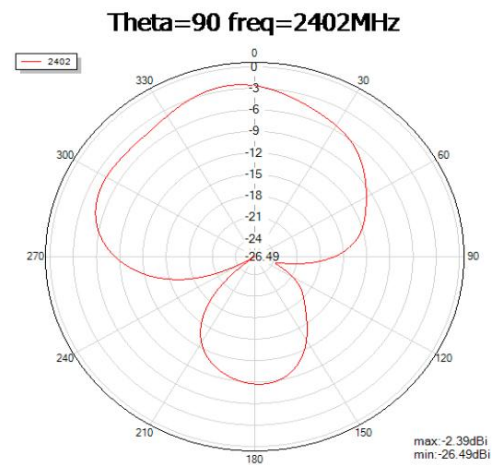
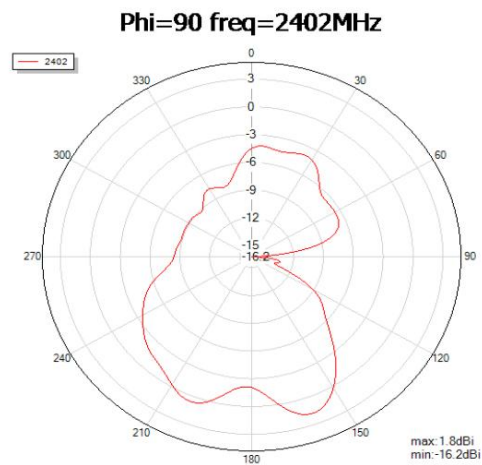
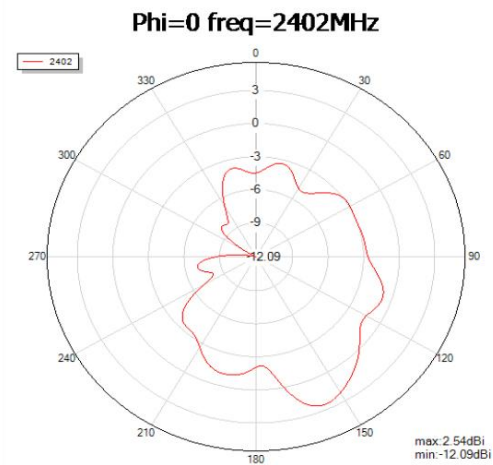
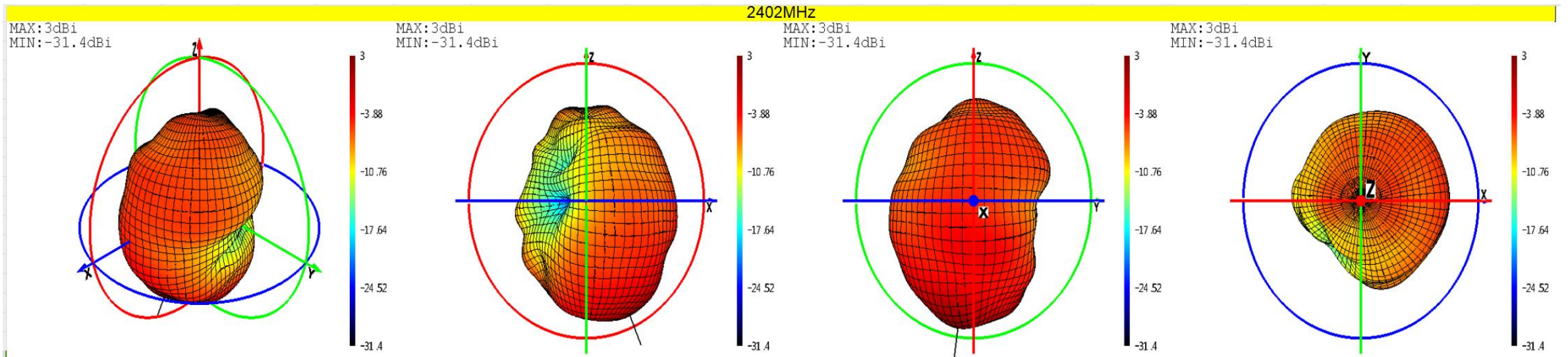


Z、X、Y



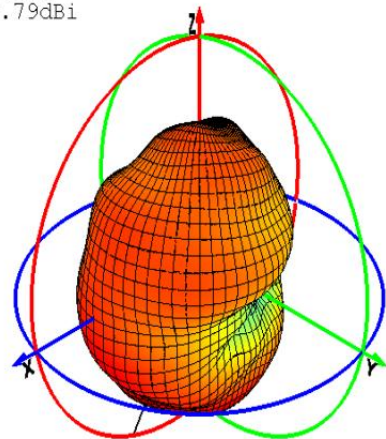


# 天线苹果图和方向图

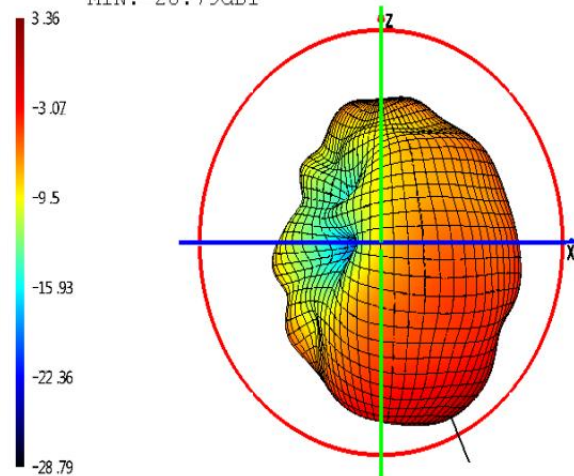


## 天线苹果图和方向图

MAX:3.36dBi  
MIN:-28.79dBi

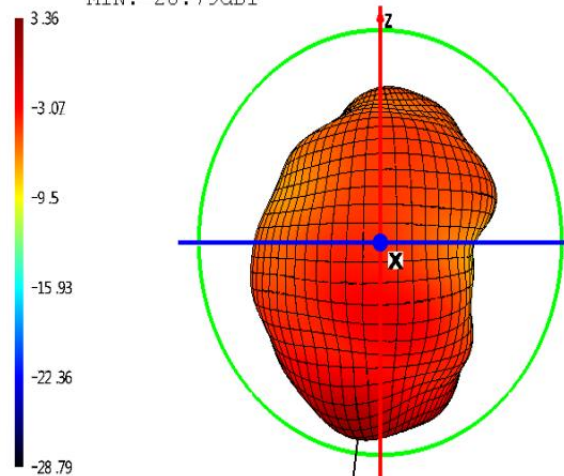


MAX:3.36dBi  
MIN:-28.79dBi

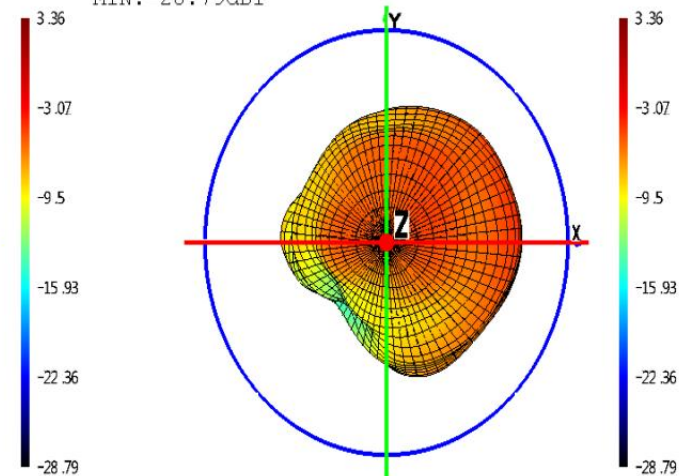


2410MHz

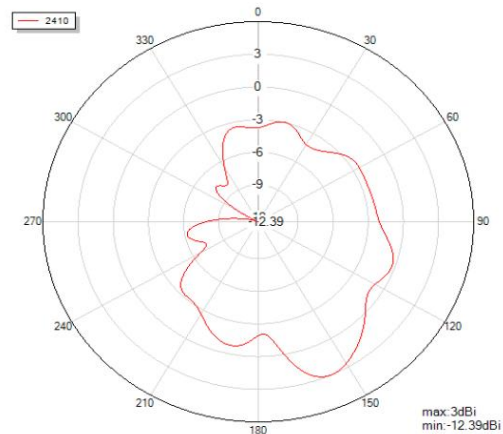
MAX:3.36dBi  
MIN:-28.79dBi



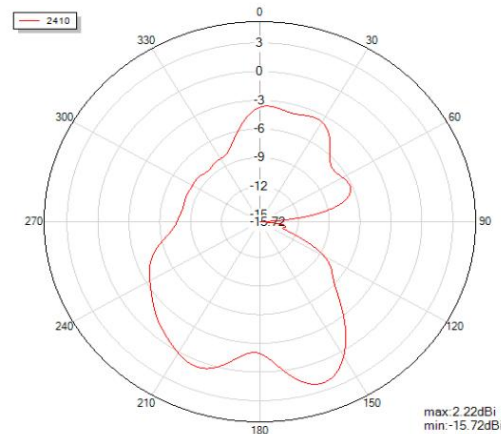
MAX:3.36dBi  
MIN:-28.79dBi



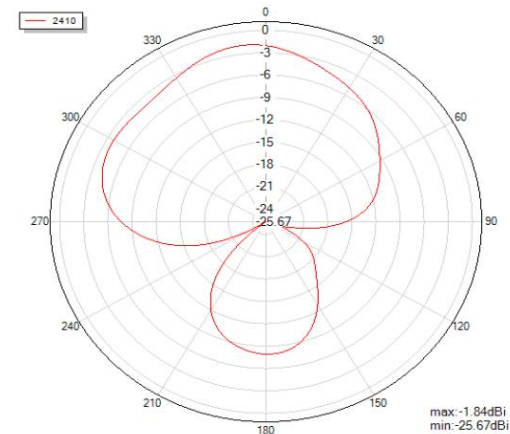
Phi=0 freq=2410MHz



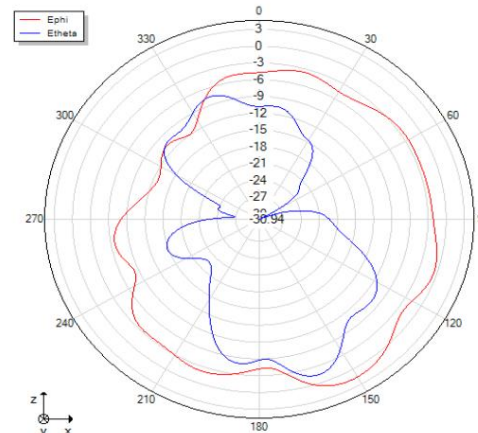
Phi=90 freq=2410MHz



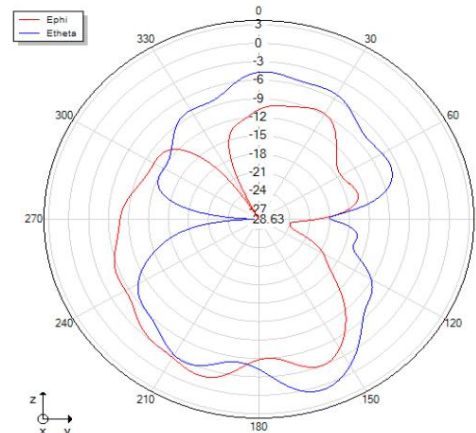
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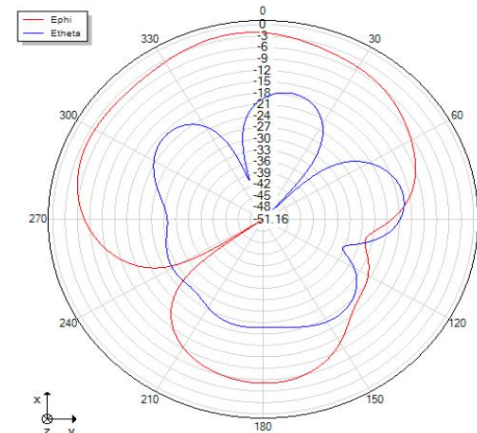
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Phi=90 freq=2410MHz



Theta=90 freq=2410MHz

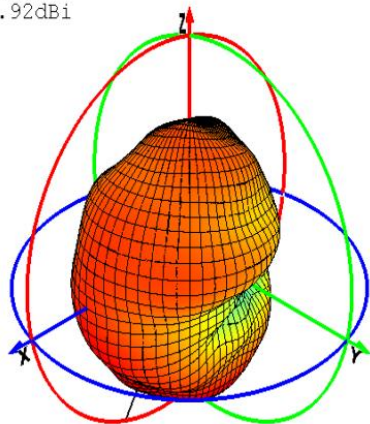




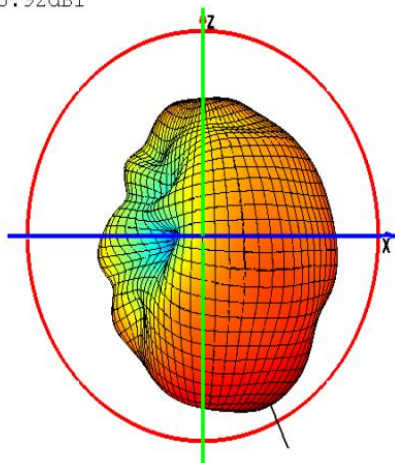
# 天线苹果图和方向图

2416MHz

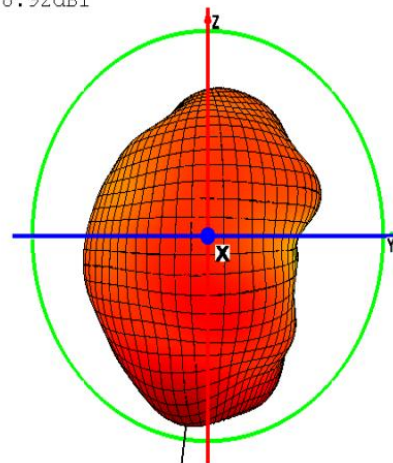
MAX:3.32dBi  
MIN:-28.92dBi



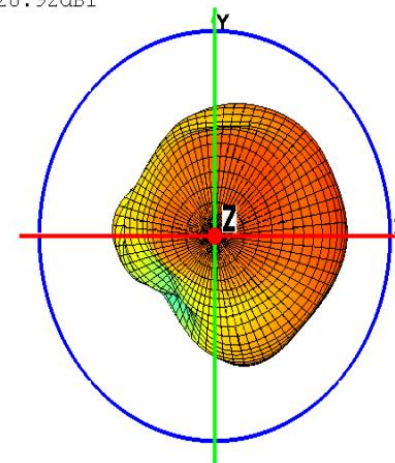
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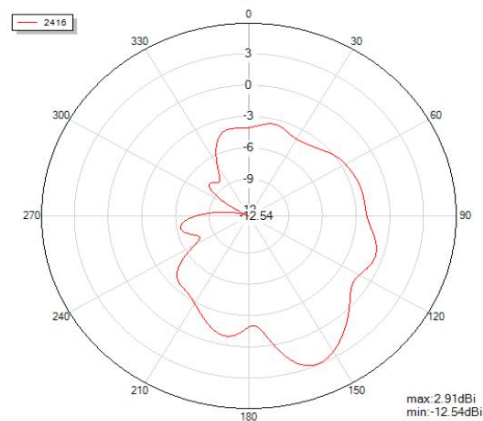
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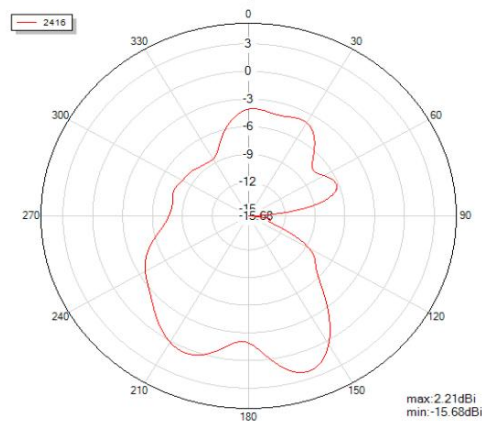
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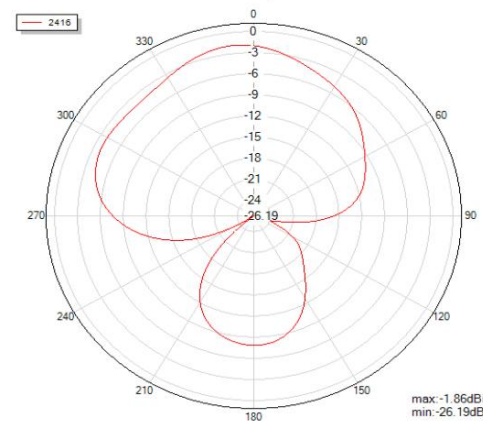
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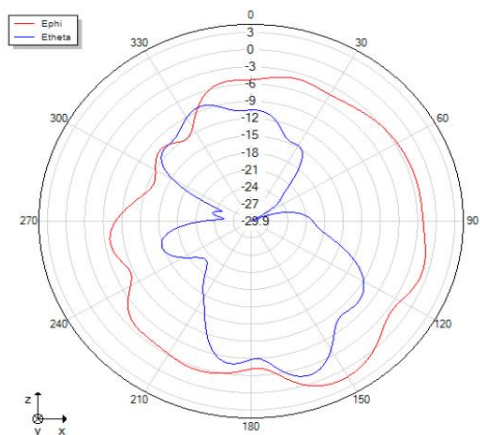
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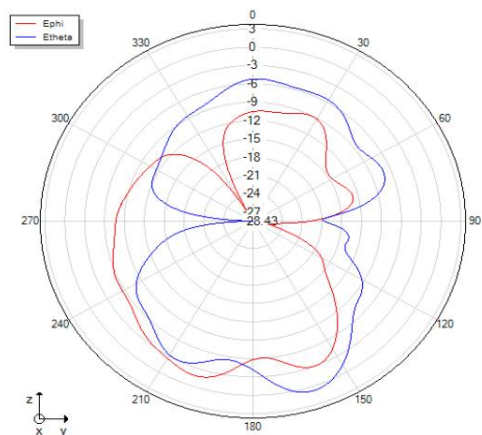
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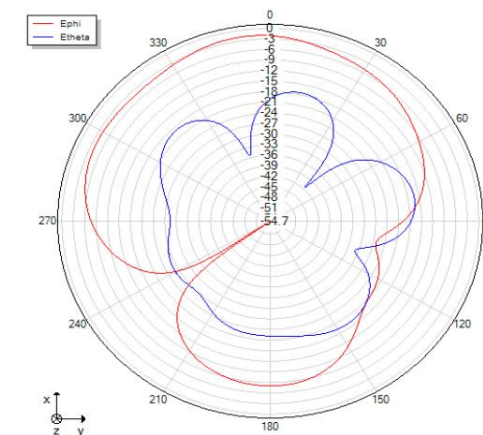
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Phi=90 freq=2416MHz

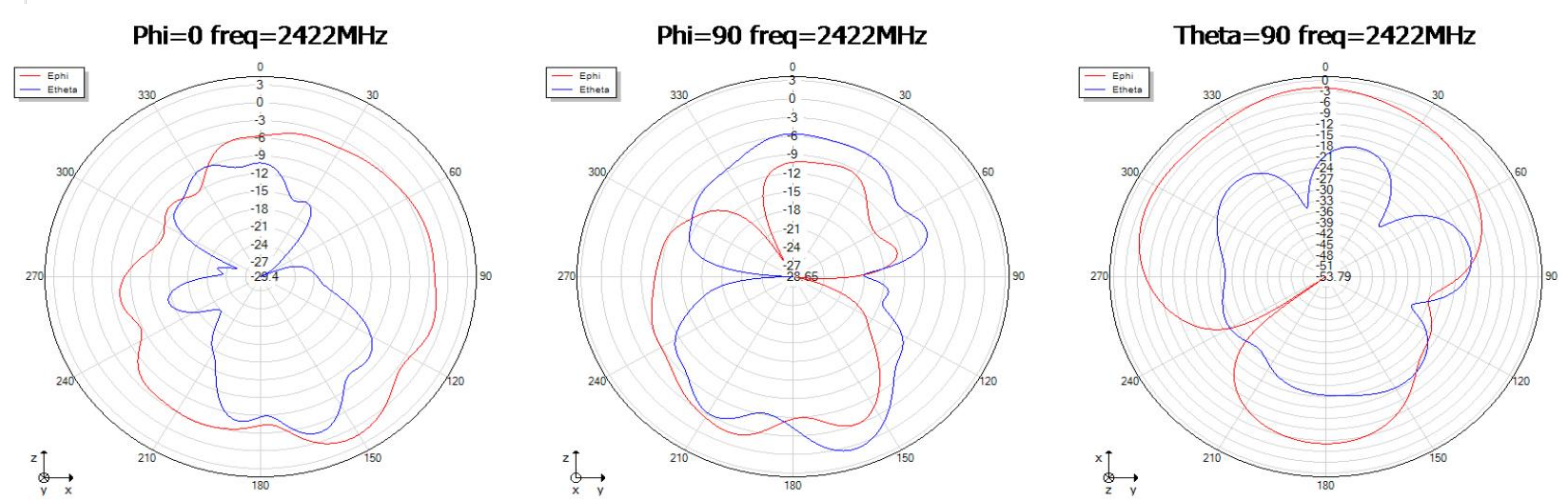
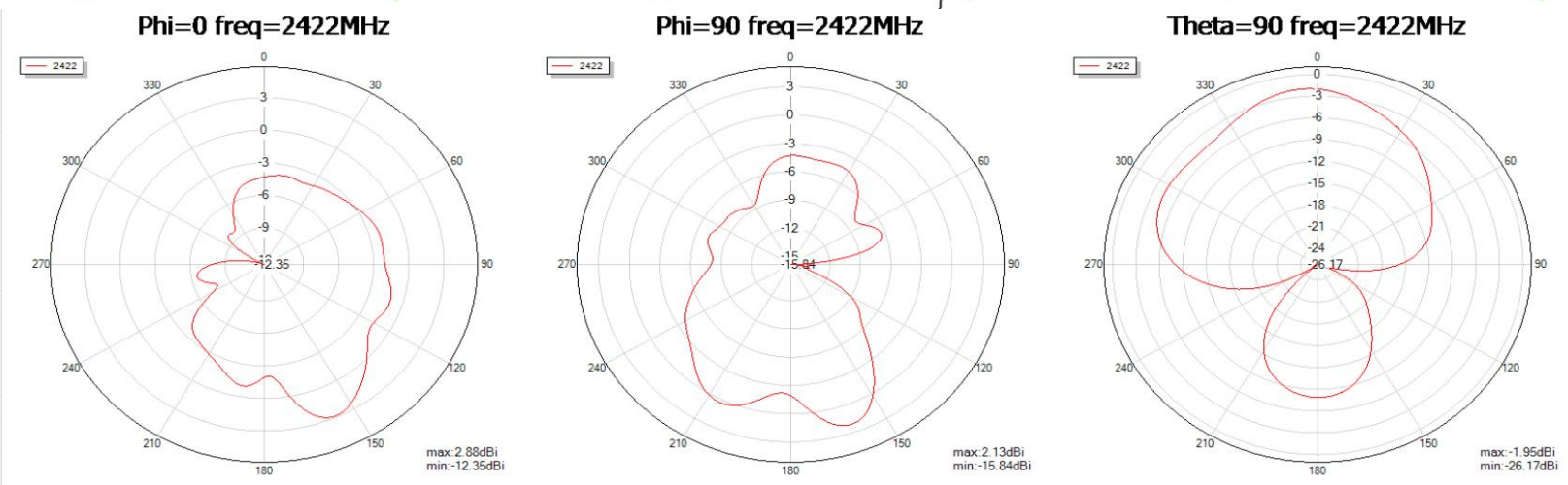
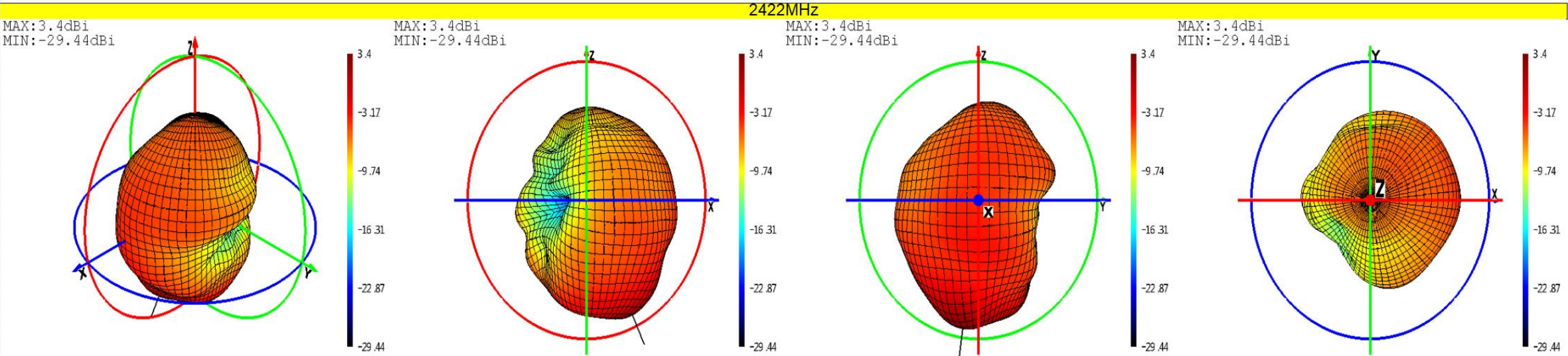


Theta=90 freq=2416MHz



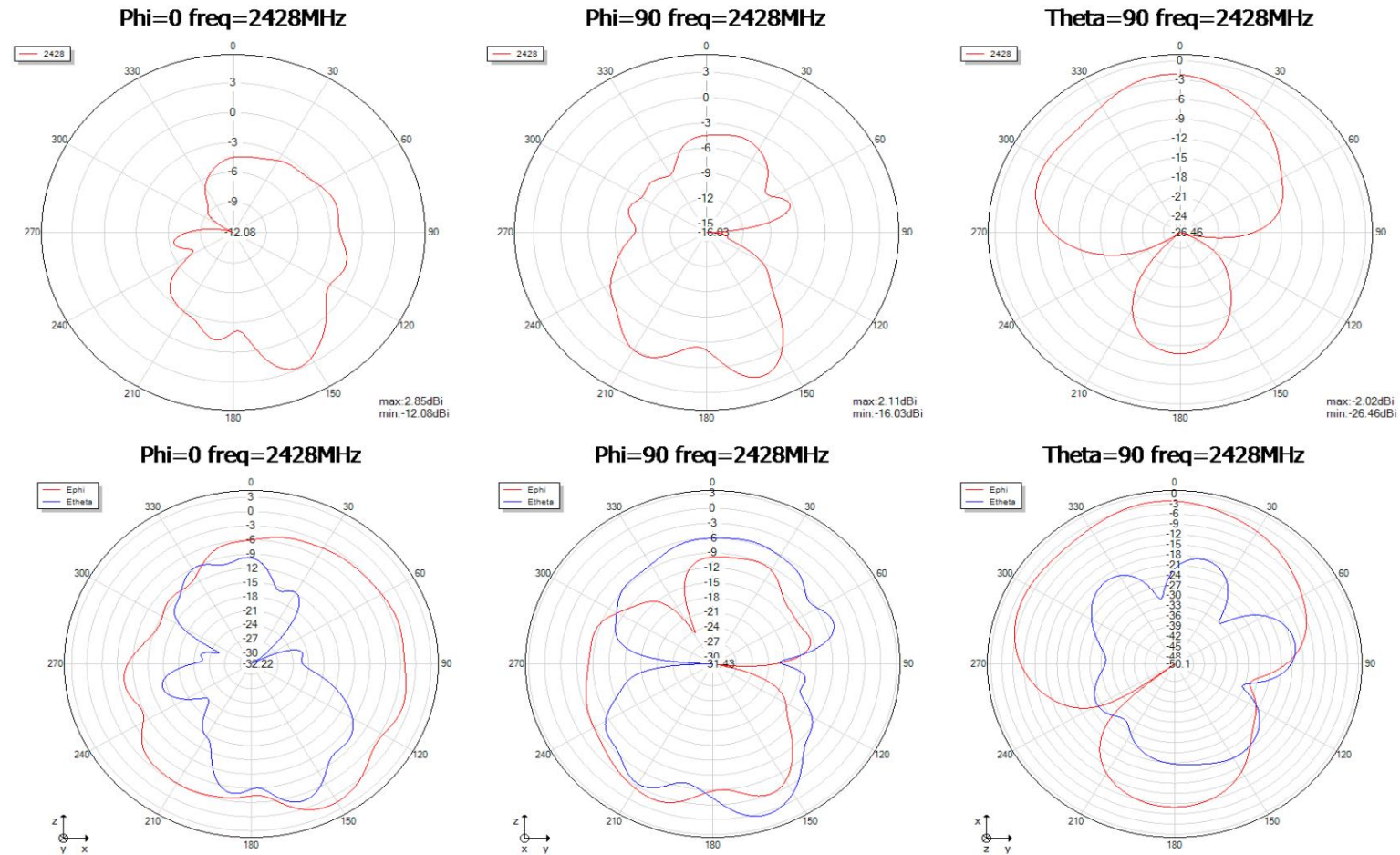
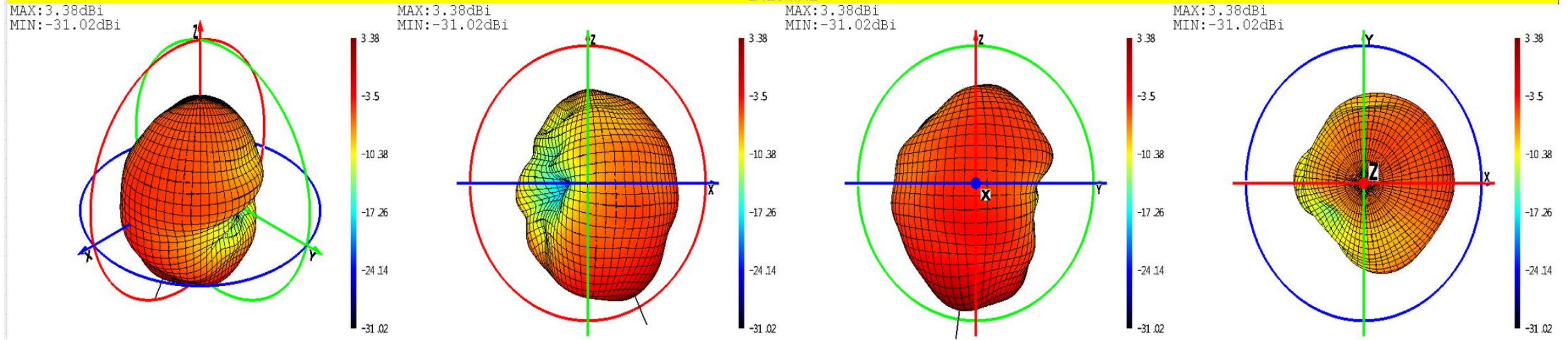


# 天线苹果图和方向图



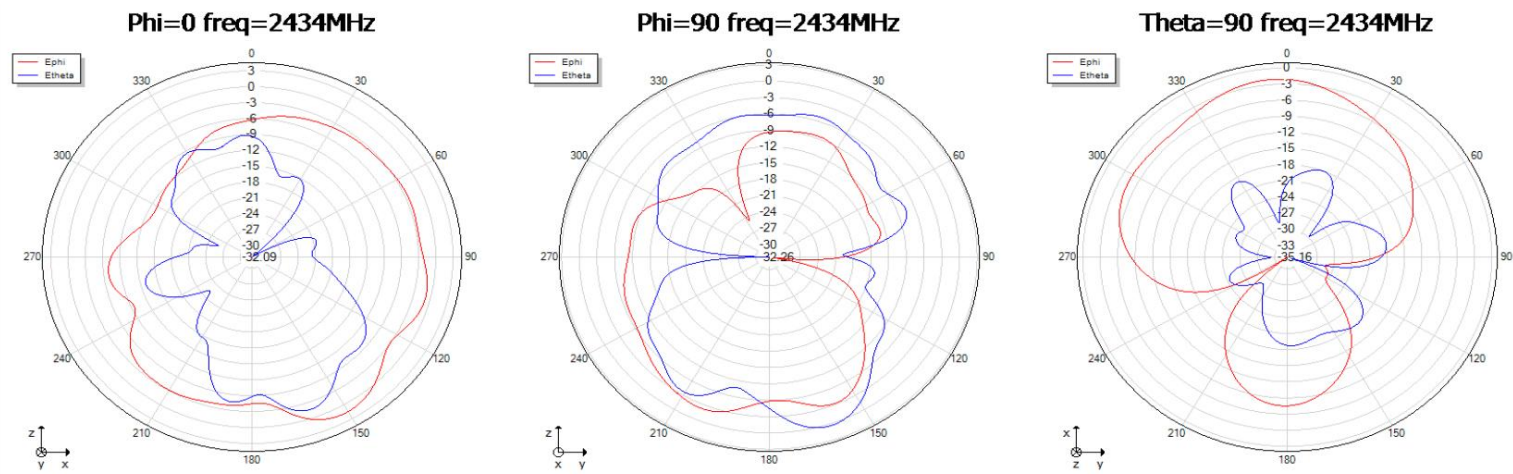
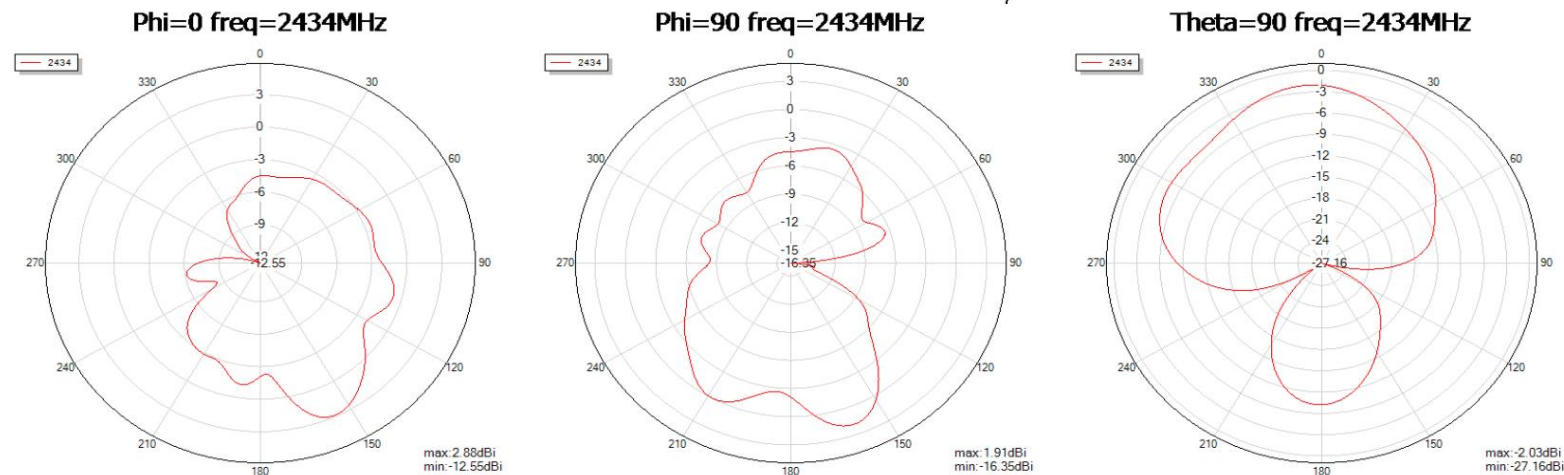
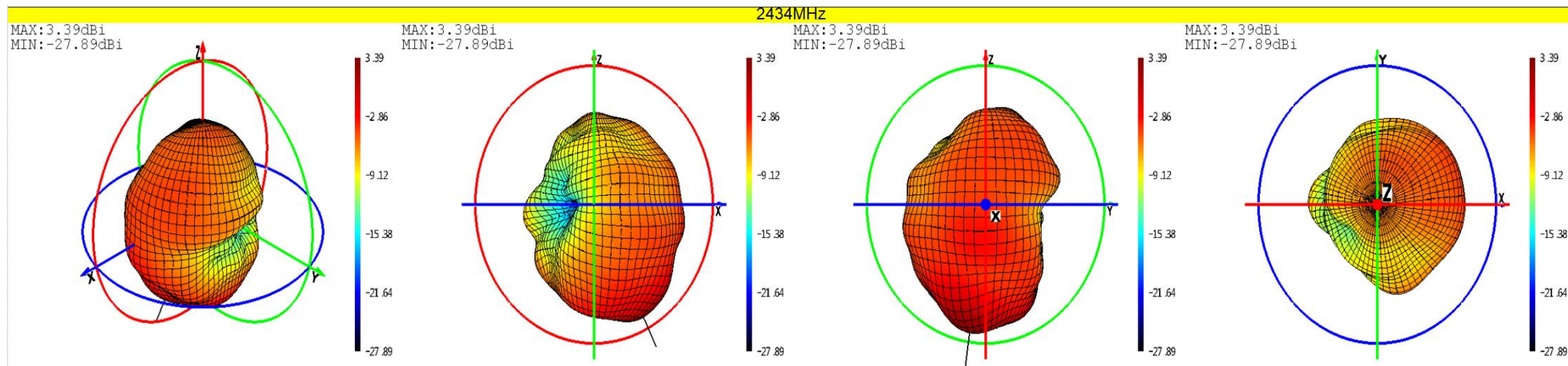


# 天线苹果图和方向图

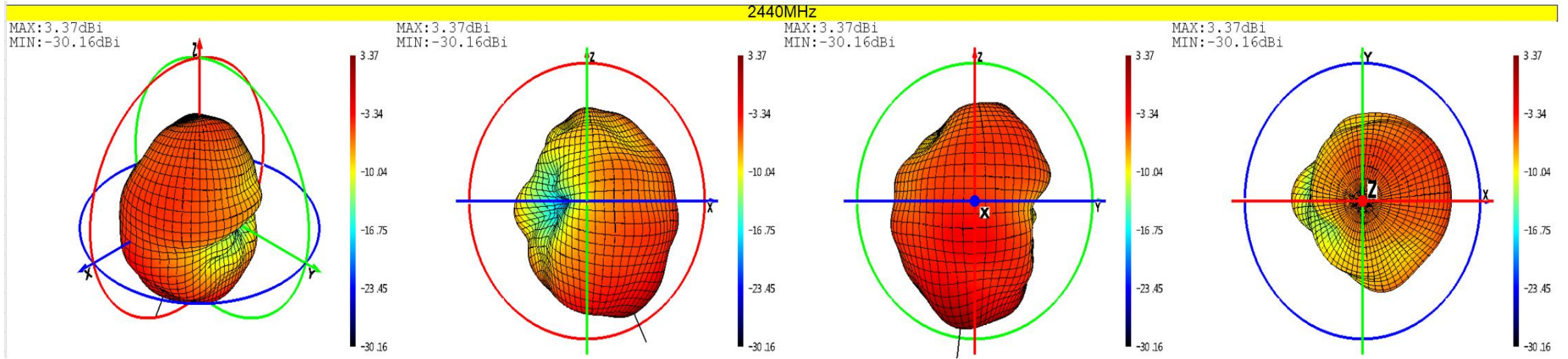




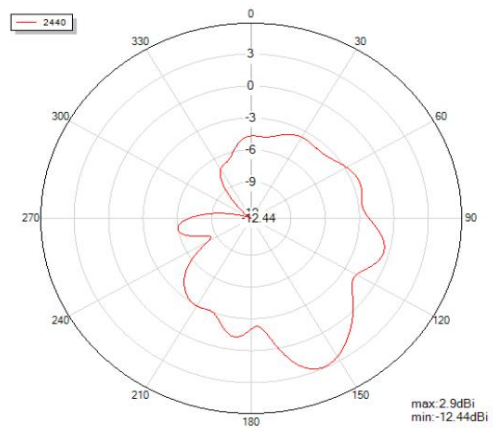
# 天线苹果图和方向图



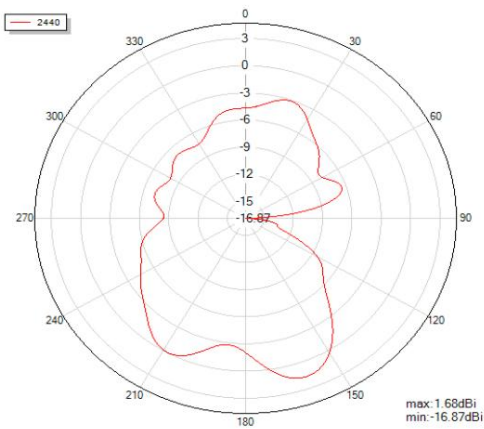
# 天线苹果图和方向图



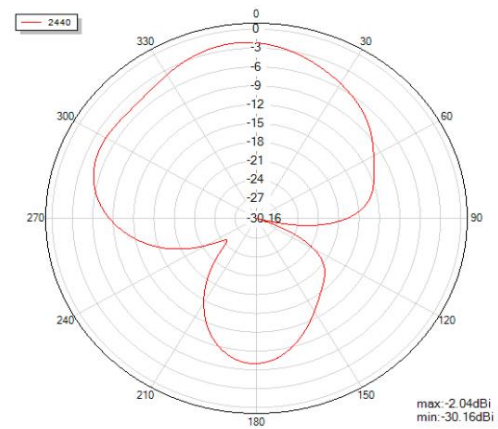
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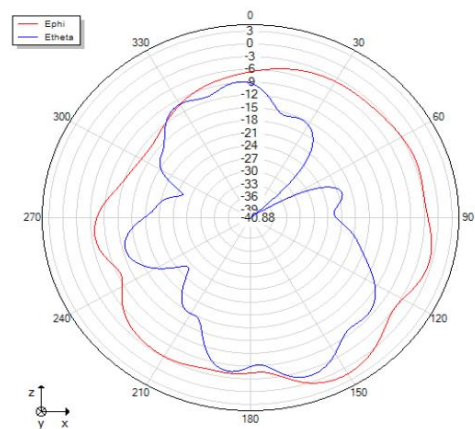
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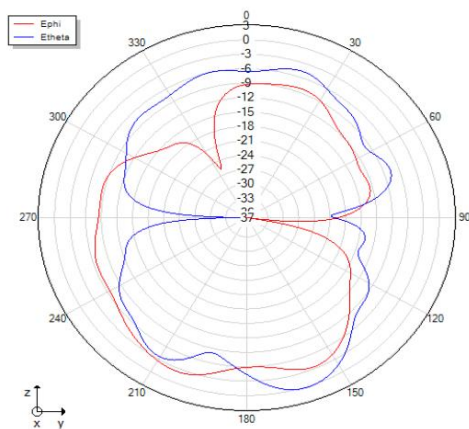
Theta=90 freq=2440MHz



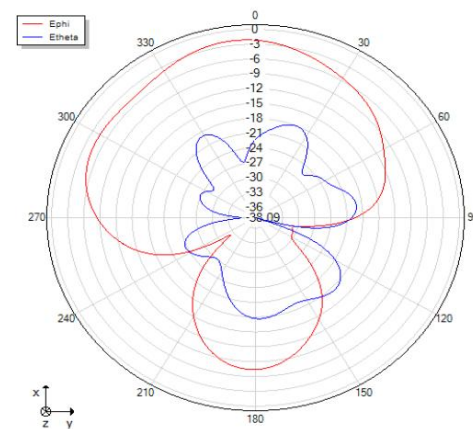
Phi=0 freq=2440MHz



Phi=90 freq=2440MHz

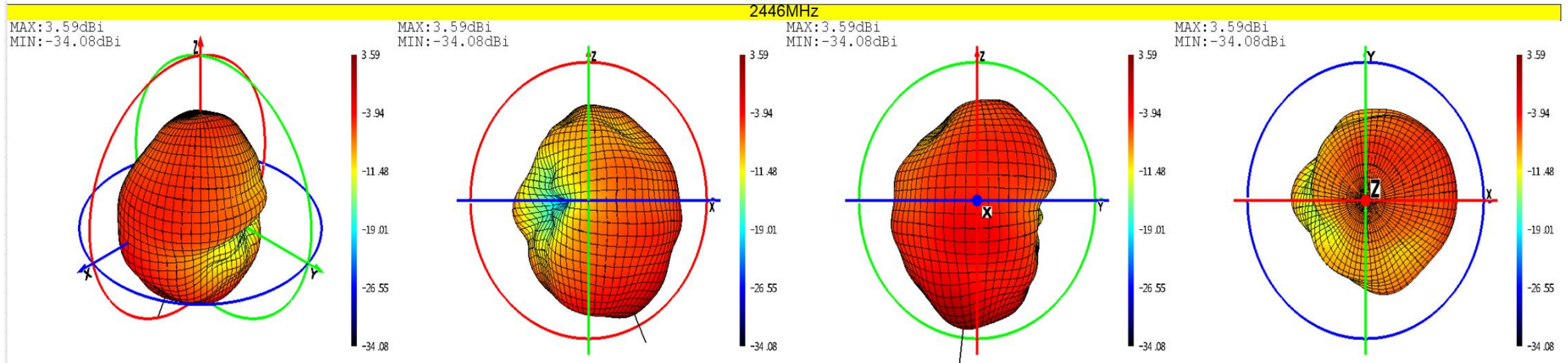


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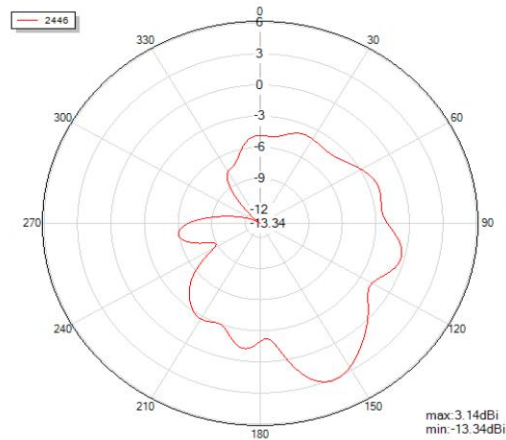




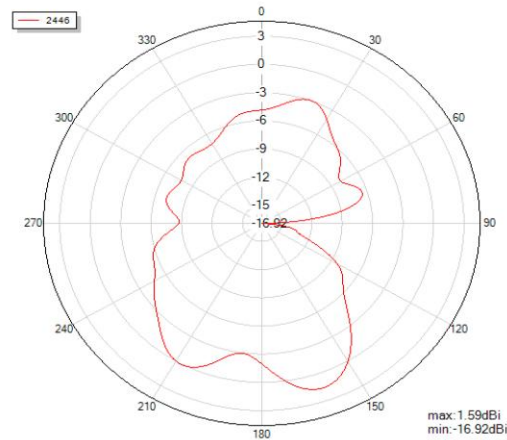
# 天线苹果图和方向图



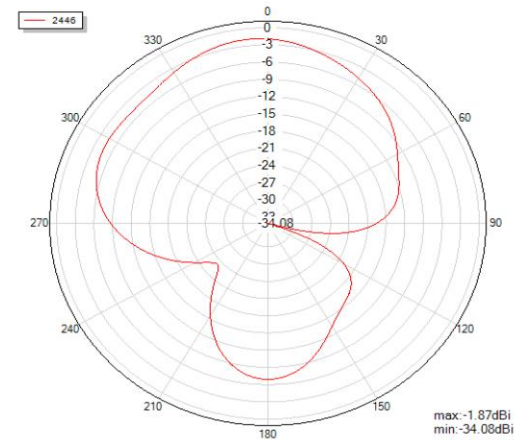
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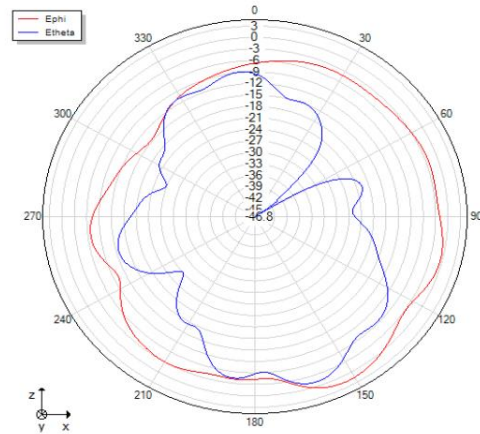
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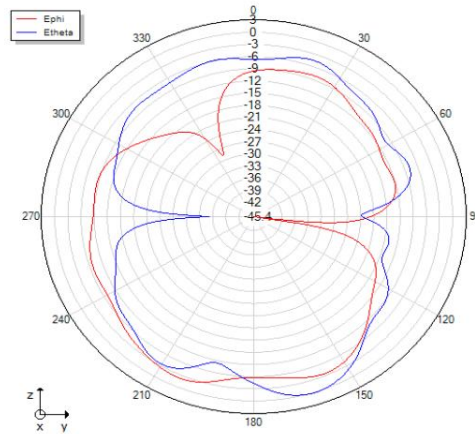
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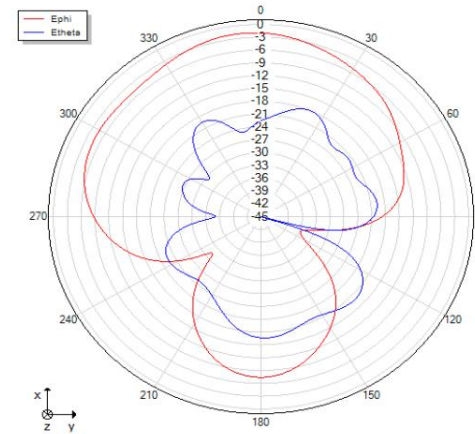
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Phi=90 freq=2446MHz



Theta=90 freq=2446MHz





# 天线苹果图和方向图

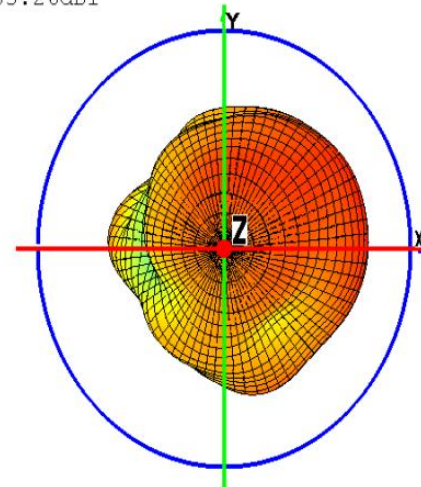
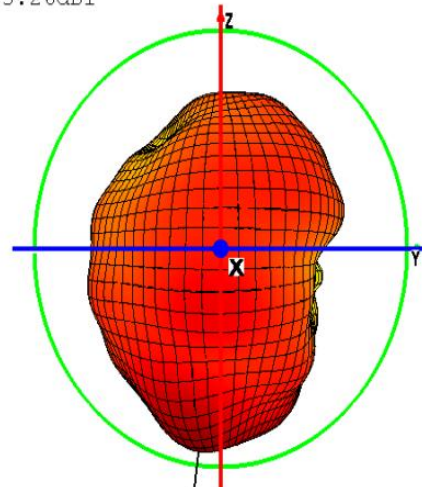
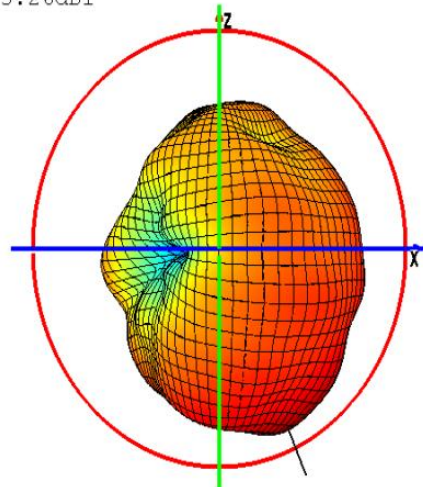
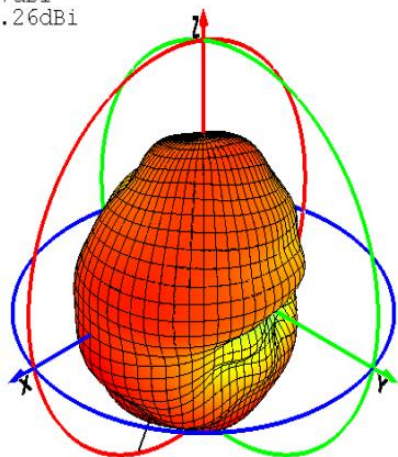
2454MHz

MAX:3.77dBi  
MIN:-33.26dBi

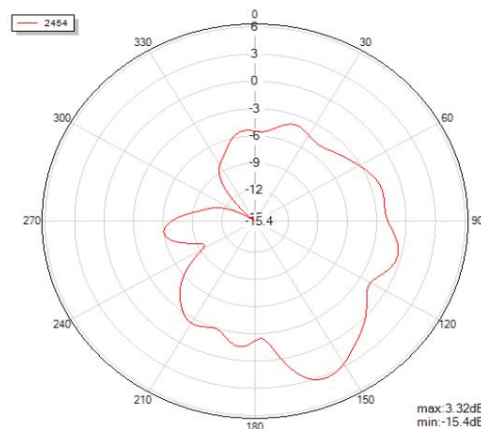
MAX:3.77dBi  
MIN:-33.26dBi

MAX:3.77dBi  
MIN:-33.26dBi

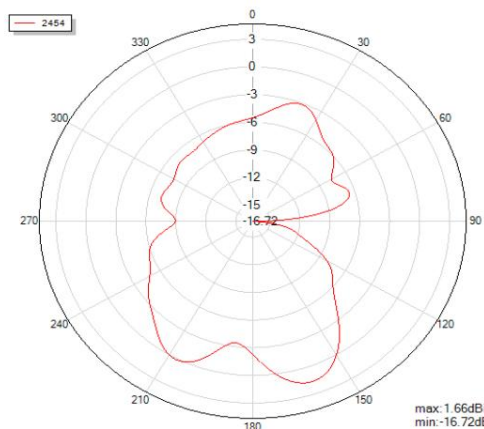
MAX:3.77dBi  
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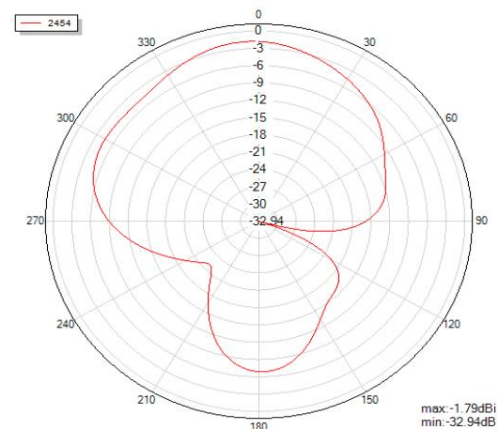
Phi=0 freq=2454MHz



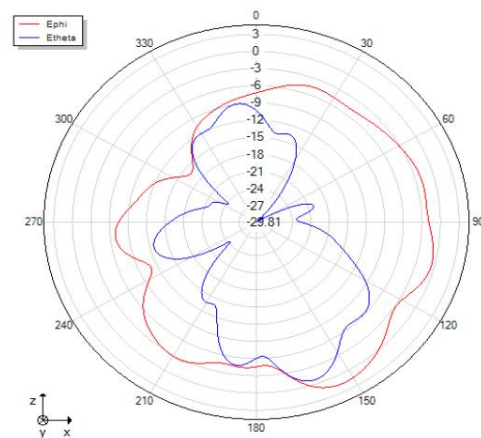
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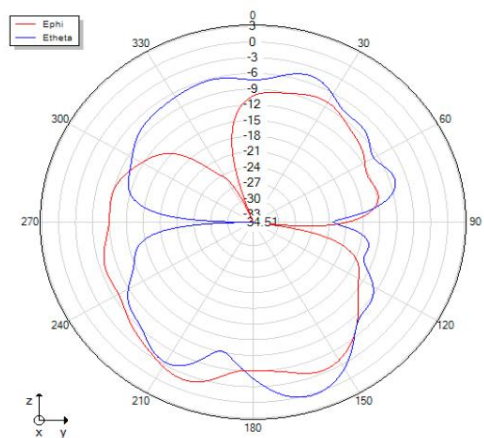
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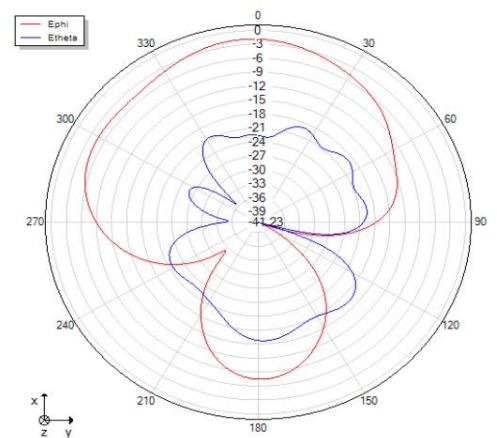
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Phi=90 freq=2454MHz



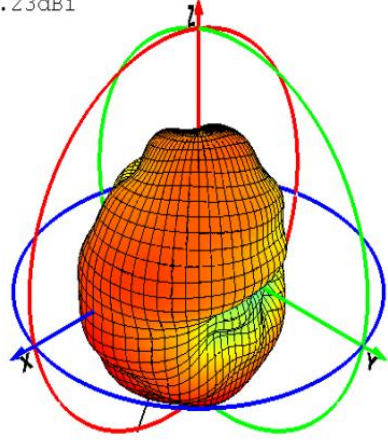
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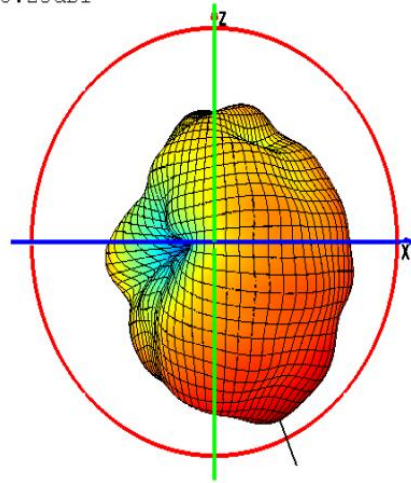


# 天线苹果图和方向图

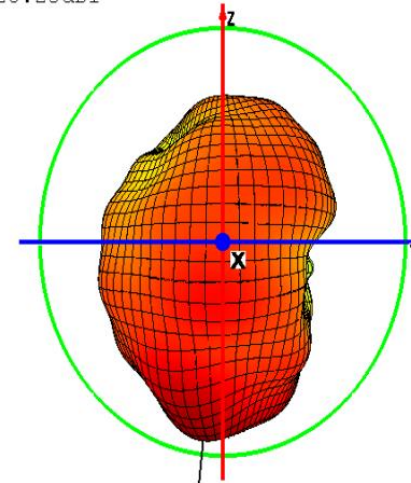
MAX:3.71dBi  
MIN:-28.23dBi



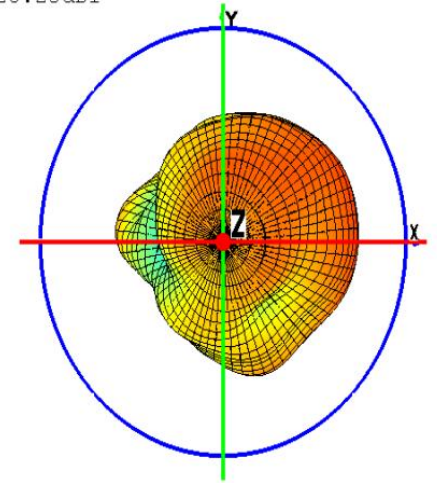
MAX:3.71dBi  
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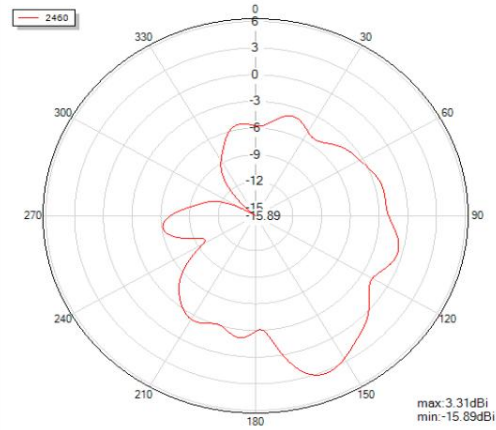
MAX:3.71dBi  
MIN:-28.23dBi



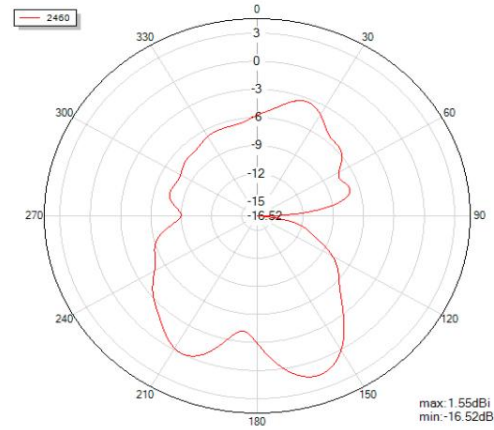
MAX:3.71dBi  
MIN:-28.23dBi



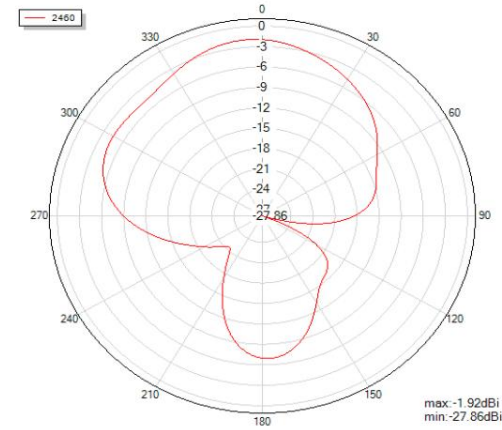
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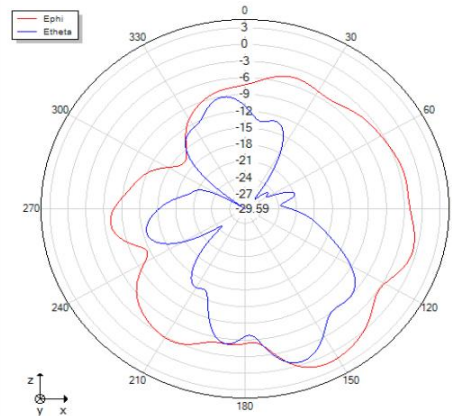
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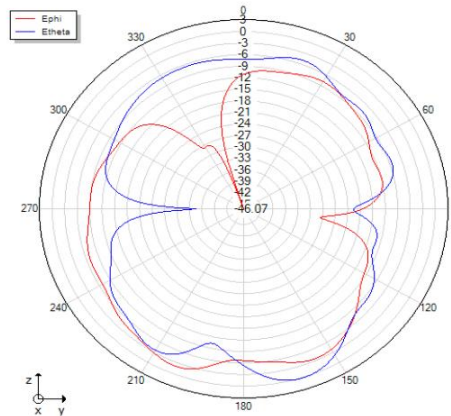
Theta=90 freq=2460MHz



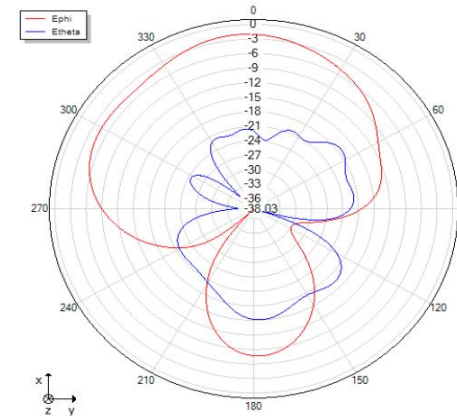
Phi=0 freq=2460MHz



Phi=90 freq=2460MHz

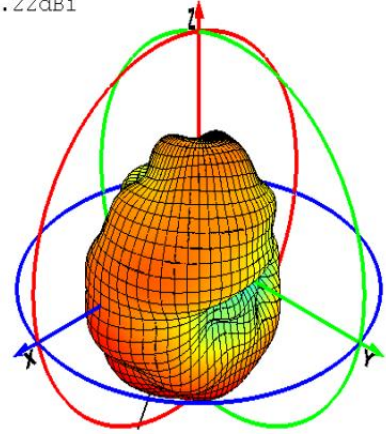


Theta=90 freq=2460MHz

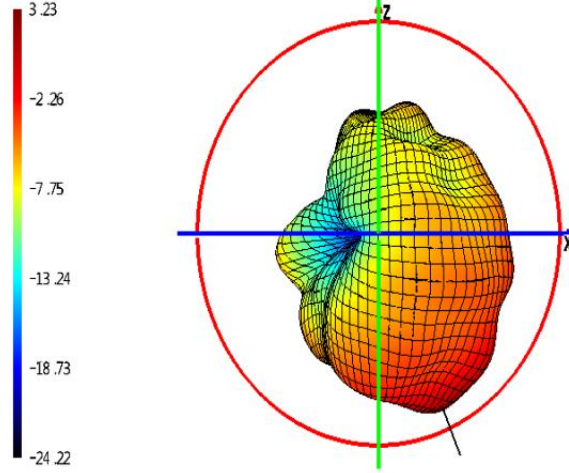


# 天线苹果图和方向图

MAX:3.23dBi  
MIN:-24.22dBi

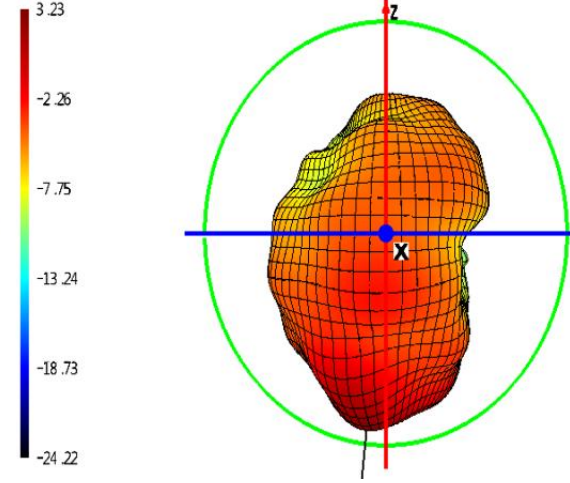


MAX:3.23dBi  
MIN:-24.22dBi

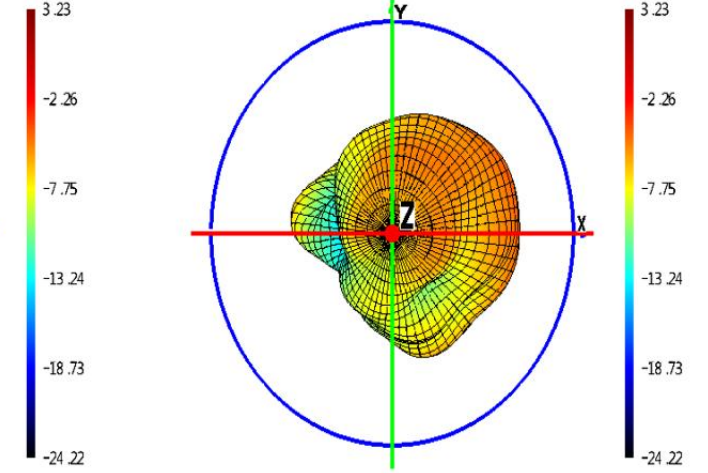


2466MHz

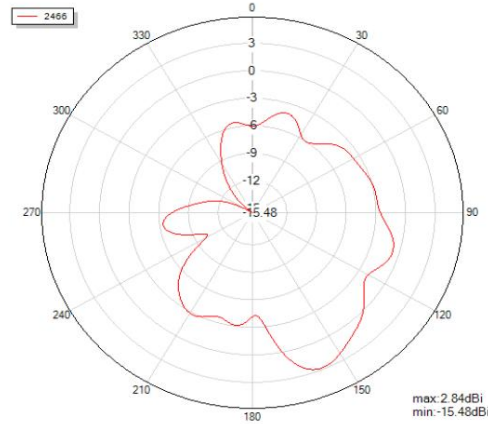
MAX:3.23dBi  
MIN:-24.22dBi



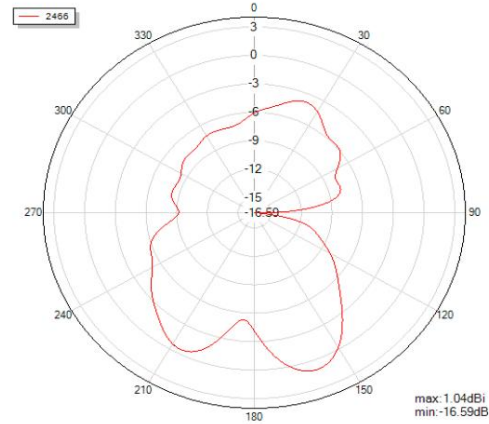
MAX:3.23dBi  
MIN:-24.22dBi



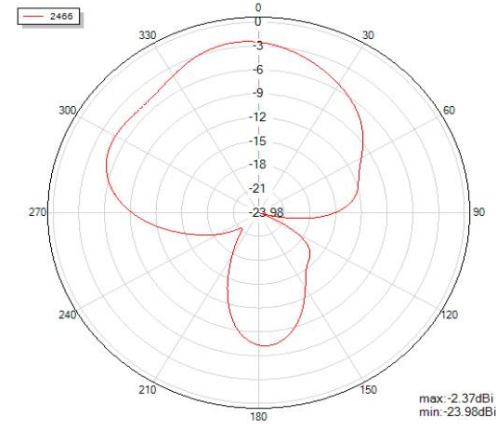
Phi=0 freq=2466MHz



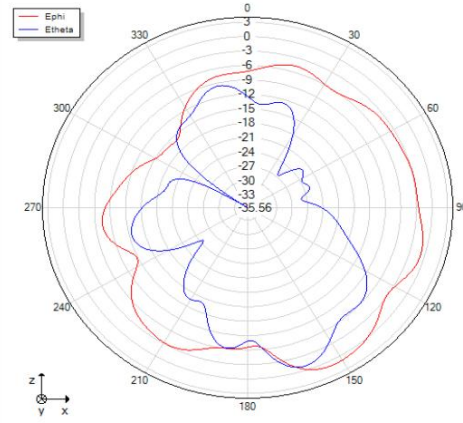
Phi=90 freq=2466MHz



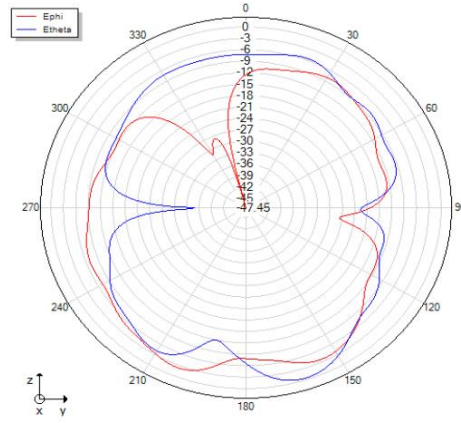
Theta=90 freq=2466MHz



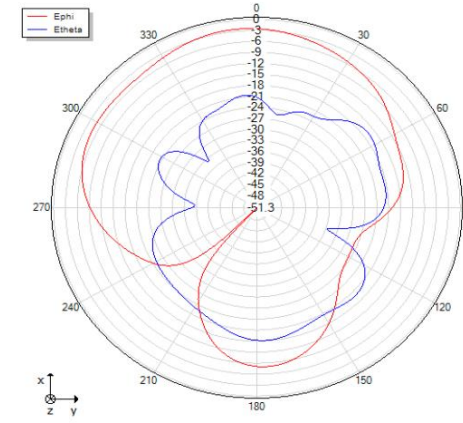
Phi=0 freq=2466MHz



Phi=90 freq=2466MHz



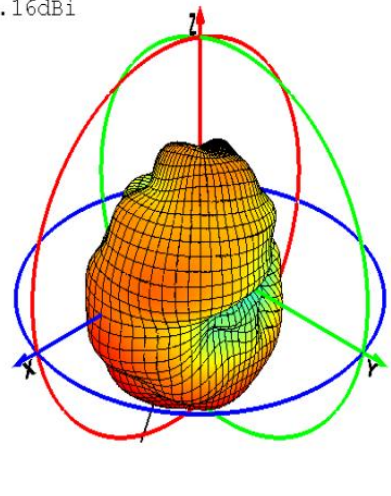
Theta=90 freq=2466MHz



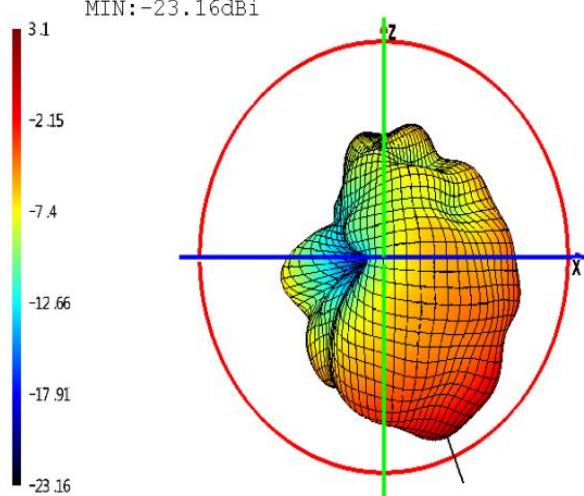


# 天线苹果图和方向图

MAX:3.1dBi  
MIN:-23.16dBi

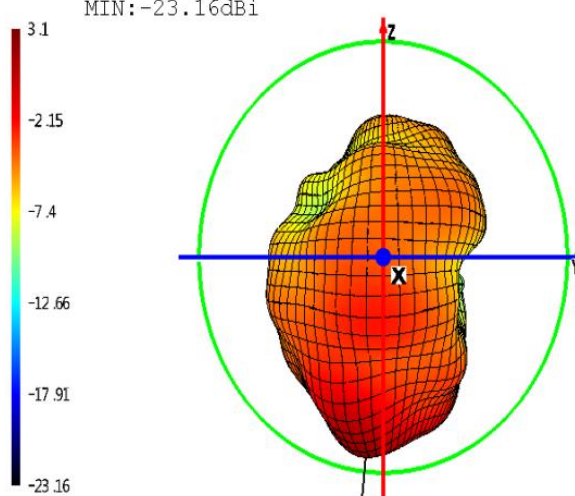


MAX:3.1dBi  
MIN:-23.16dBi

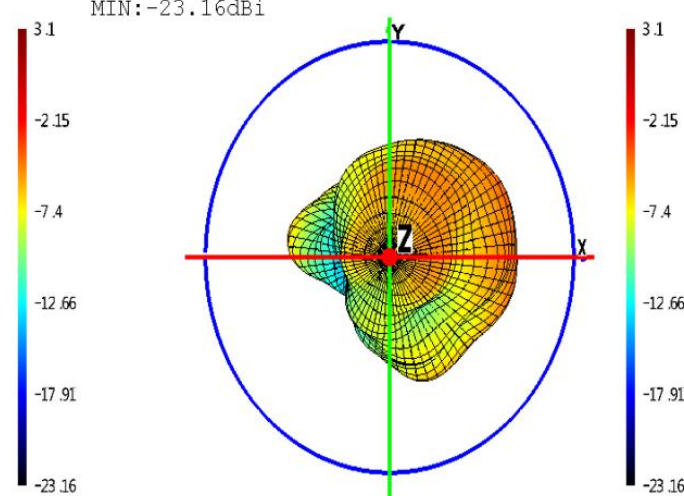


2472MHz

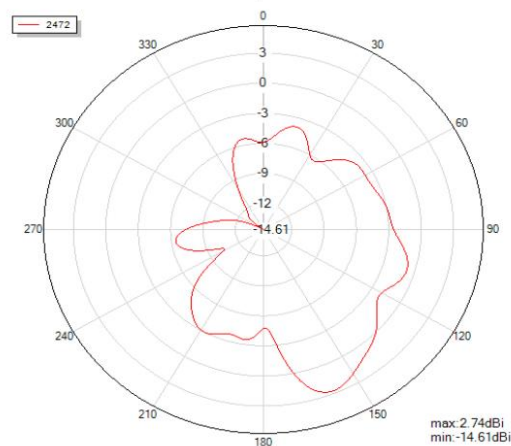
MAX:3.1dBi  
MIN:-23.16dBi



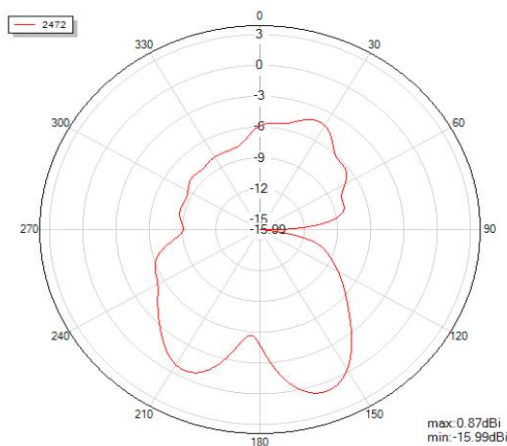
MAX:3.1dBi  
MIN:-23.16dBi



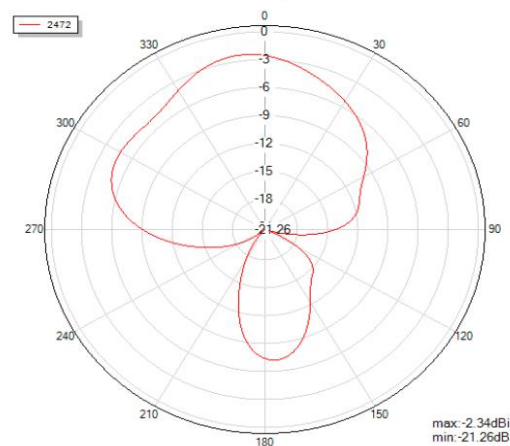
Phi=0 freq=2472MHz



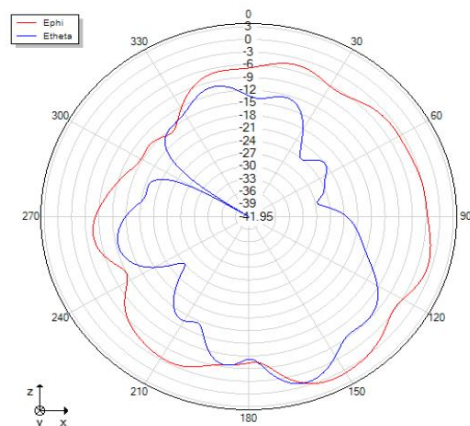
Phi=90 freq=2472MHz



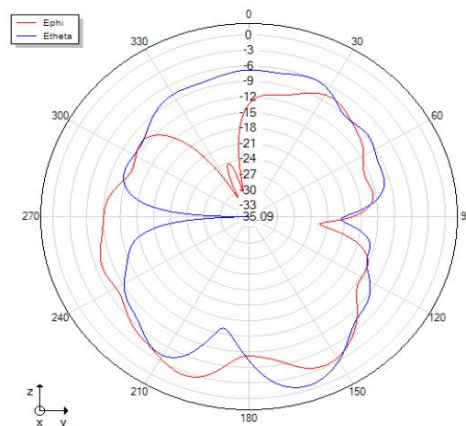
Theta=90 freq=2472MHz



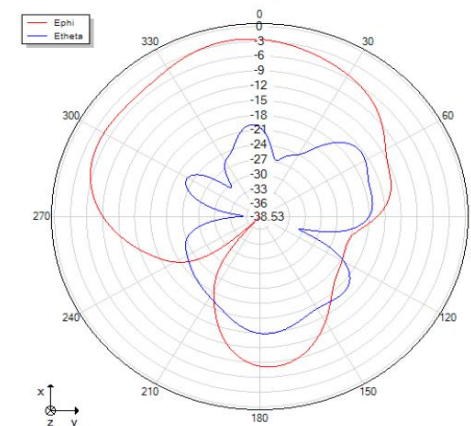
Phi=0 freq=2472MHz



Phi=90 freq=2472MHz

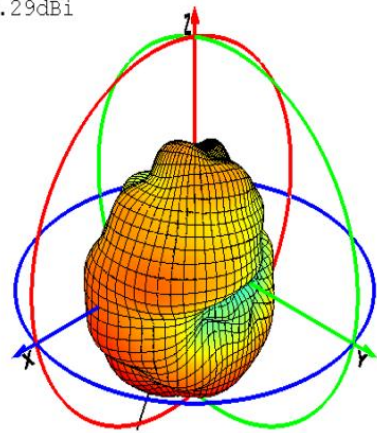


Theta=90 freq=2472MHz

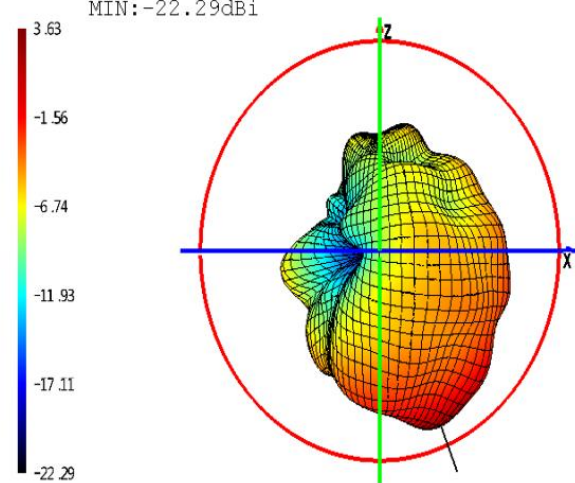


# 天线苹果图和方向图

MAX: 3.63dBi  
MIN: -22.29dBi

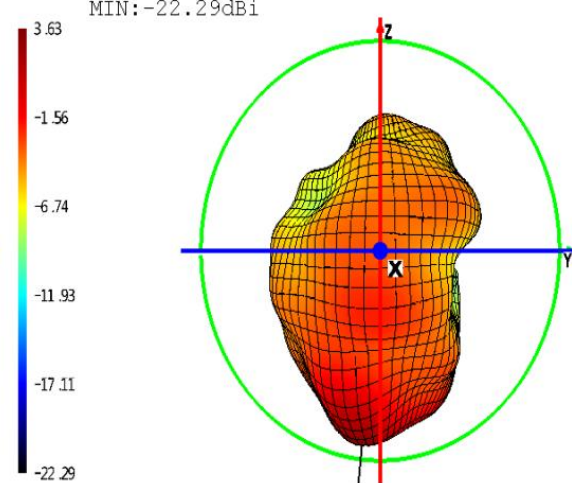


MAX: 3.63dBi  
MIN: -22.29dBi

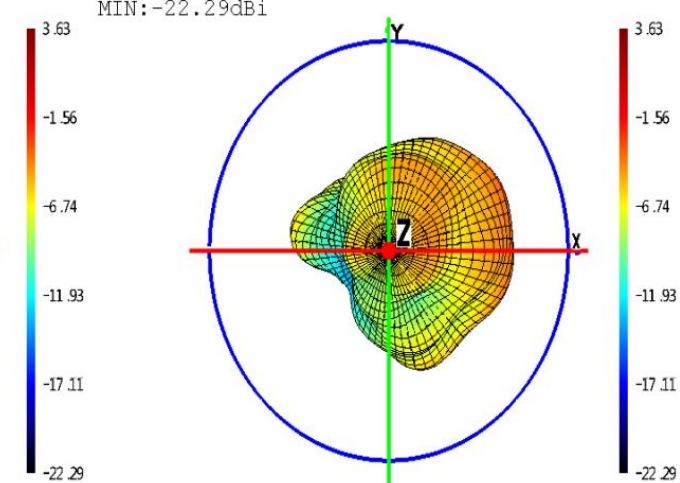


2480MHz

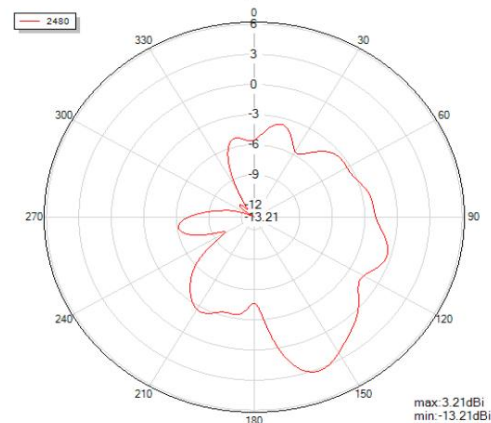
MAX: 3.63dBi  
MIN: -22.29dBi



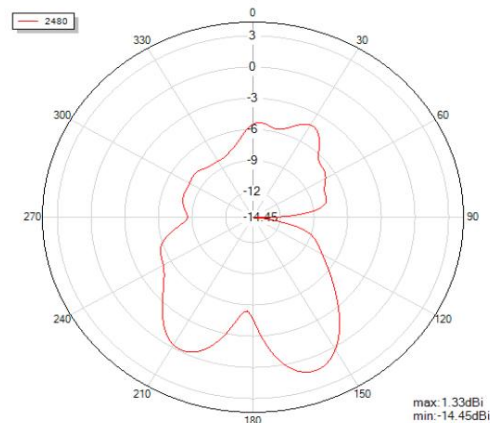
MAX: 3.63dBi  
MIN: -22.29dBi



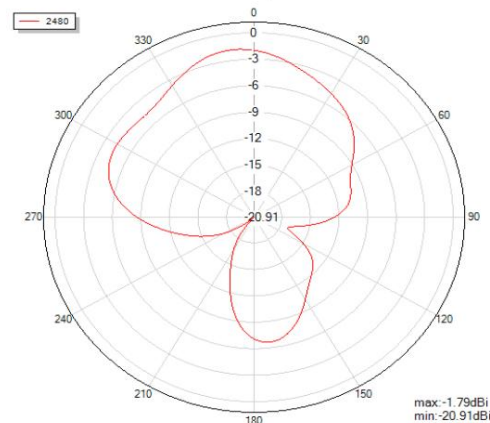
Phi=0 freq=2480MHz



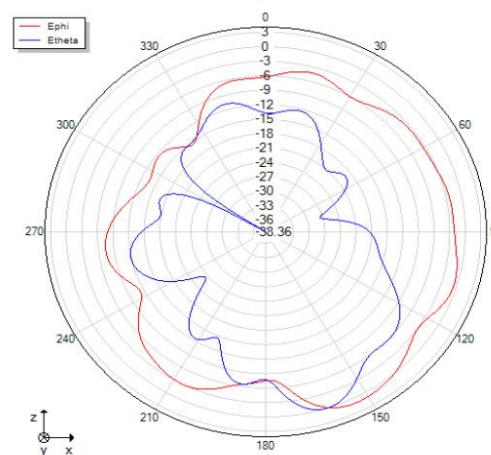
Phi=90 freq=2480MHz



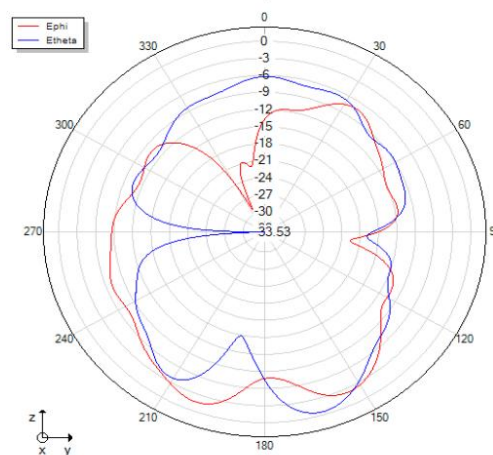
Theta=90 freq=2480MHz



Phi=0 freq=2480MHz



Phi=90 freq=2480MHz



Theta=90 freq=2480MHz

