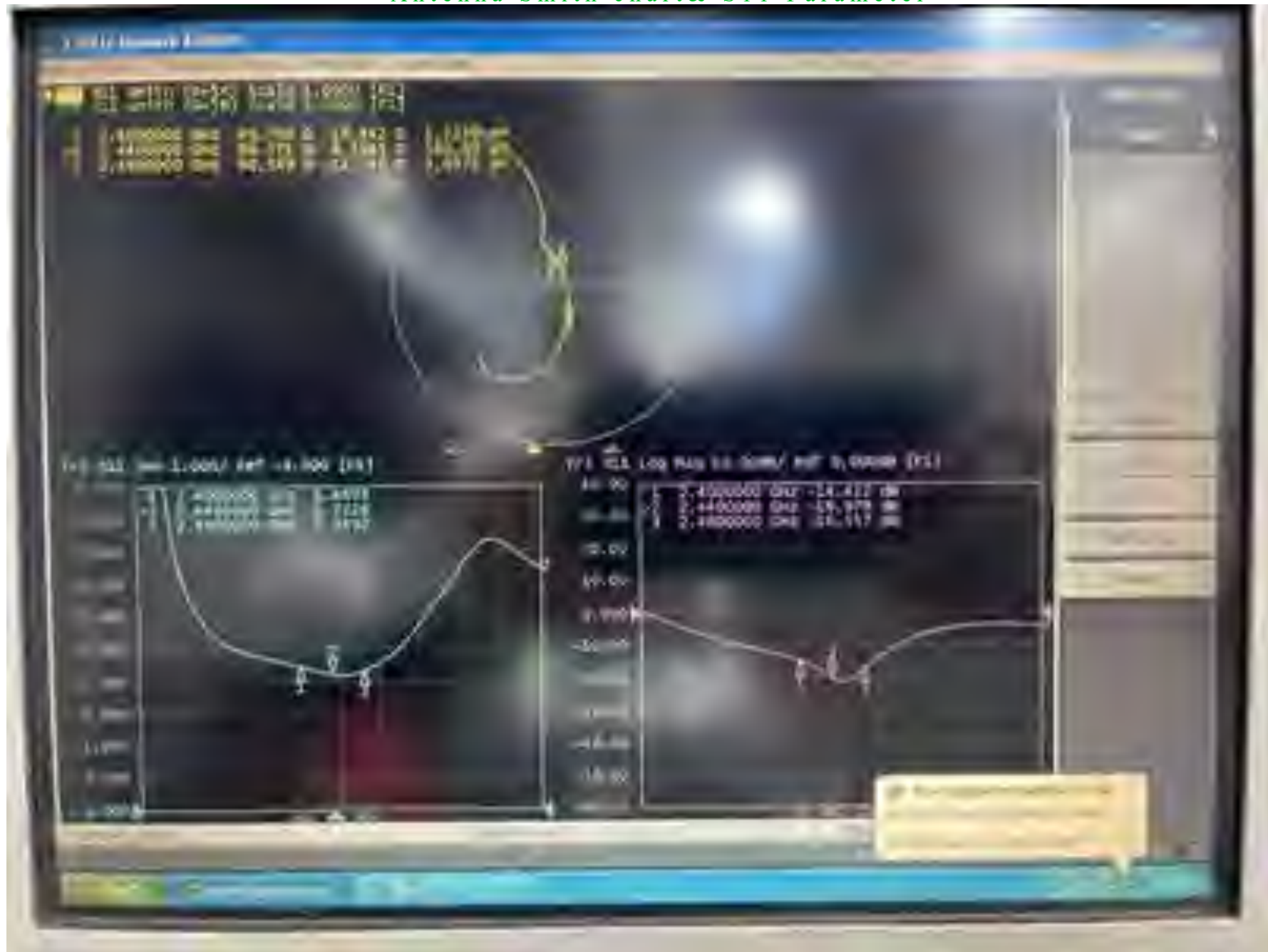


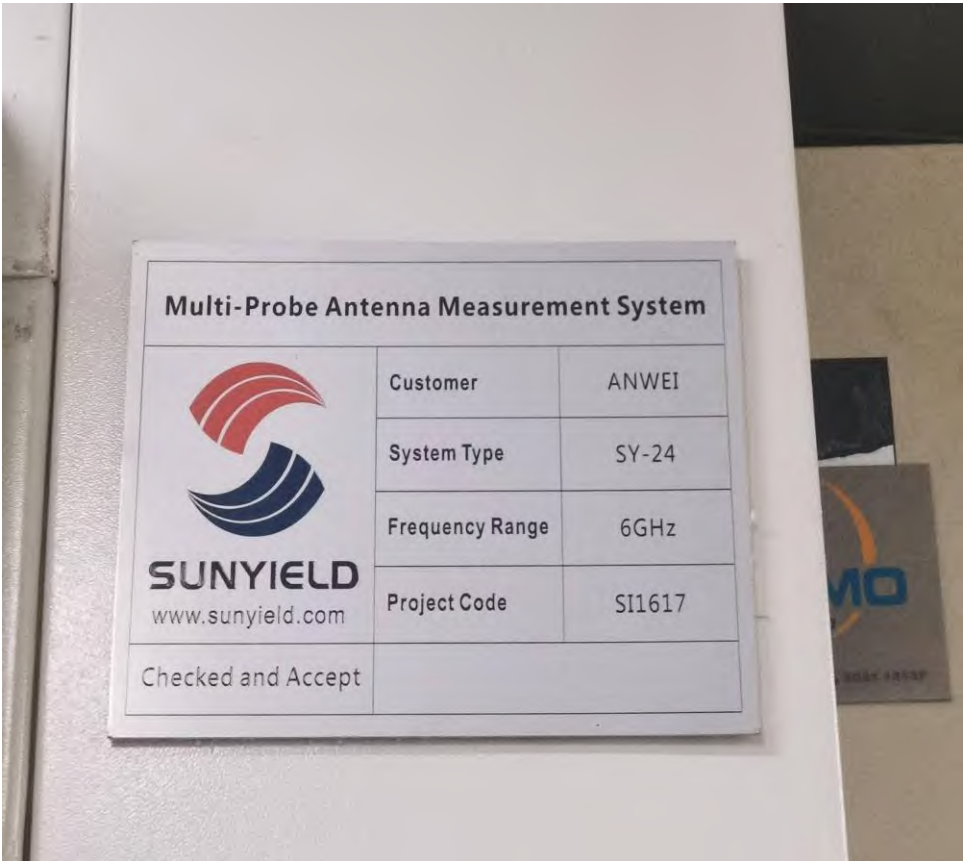
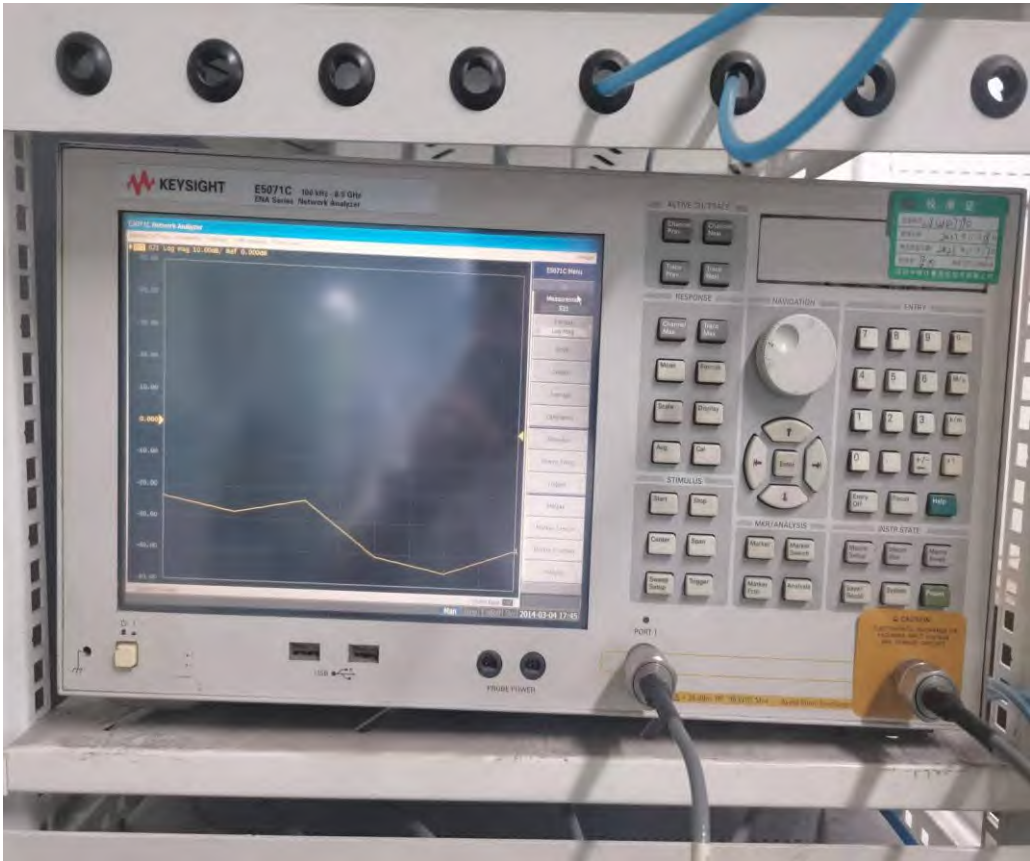
天线smith圆图和S11参数

Antenna Smith chart & S11 Parameter



测试设备及软件

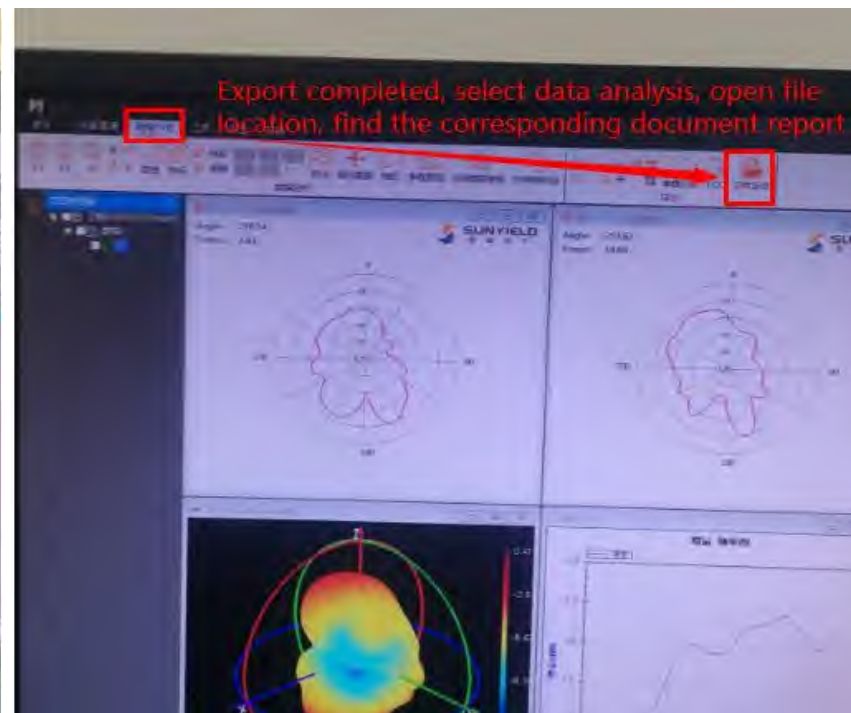
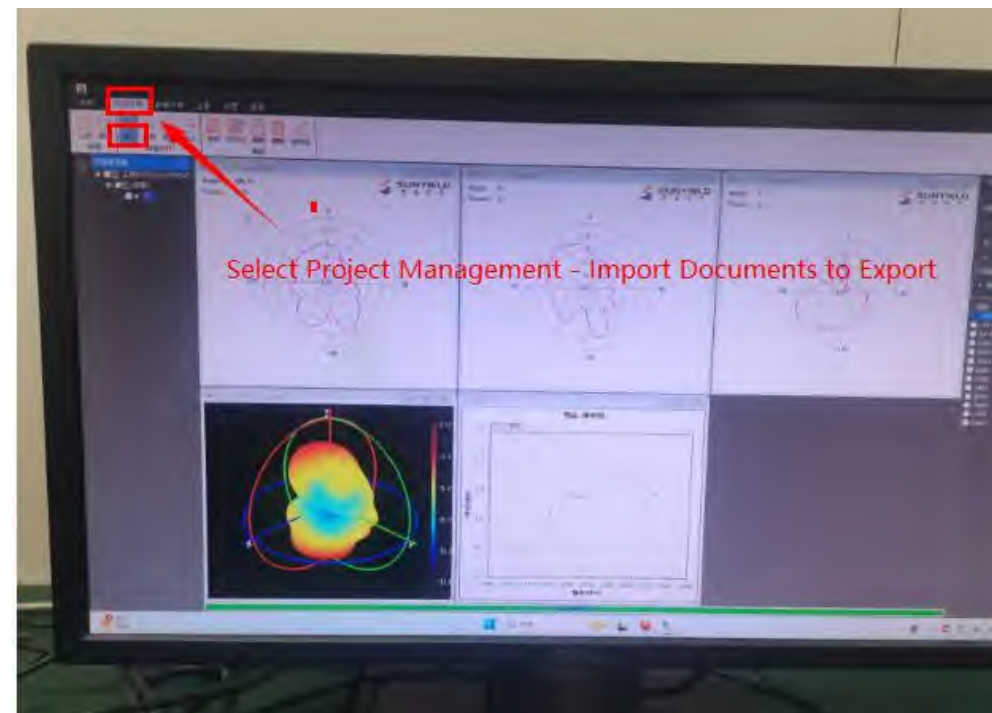
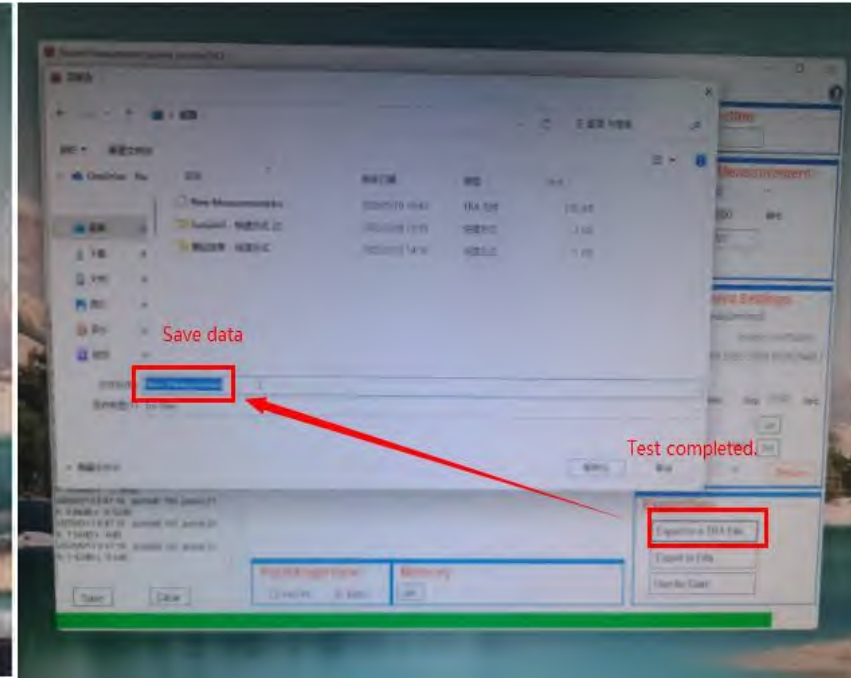
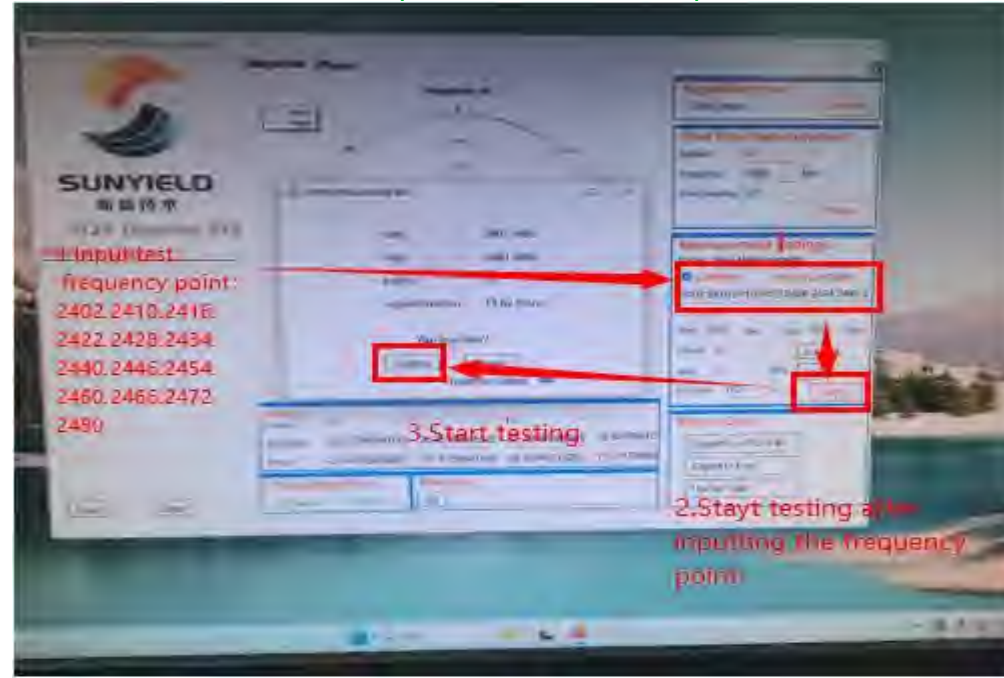
Test Equipment & software



name	network analyzer
brand	Agilent Technologies
model	E5071C
serial number	MY46104453
calibration time	2024/8/25
Next calibration time	2025/8/24

测试步骤和数据导出

Test steps and data export



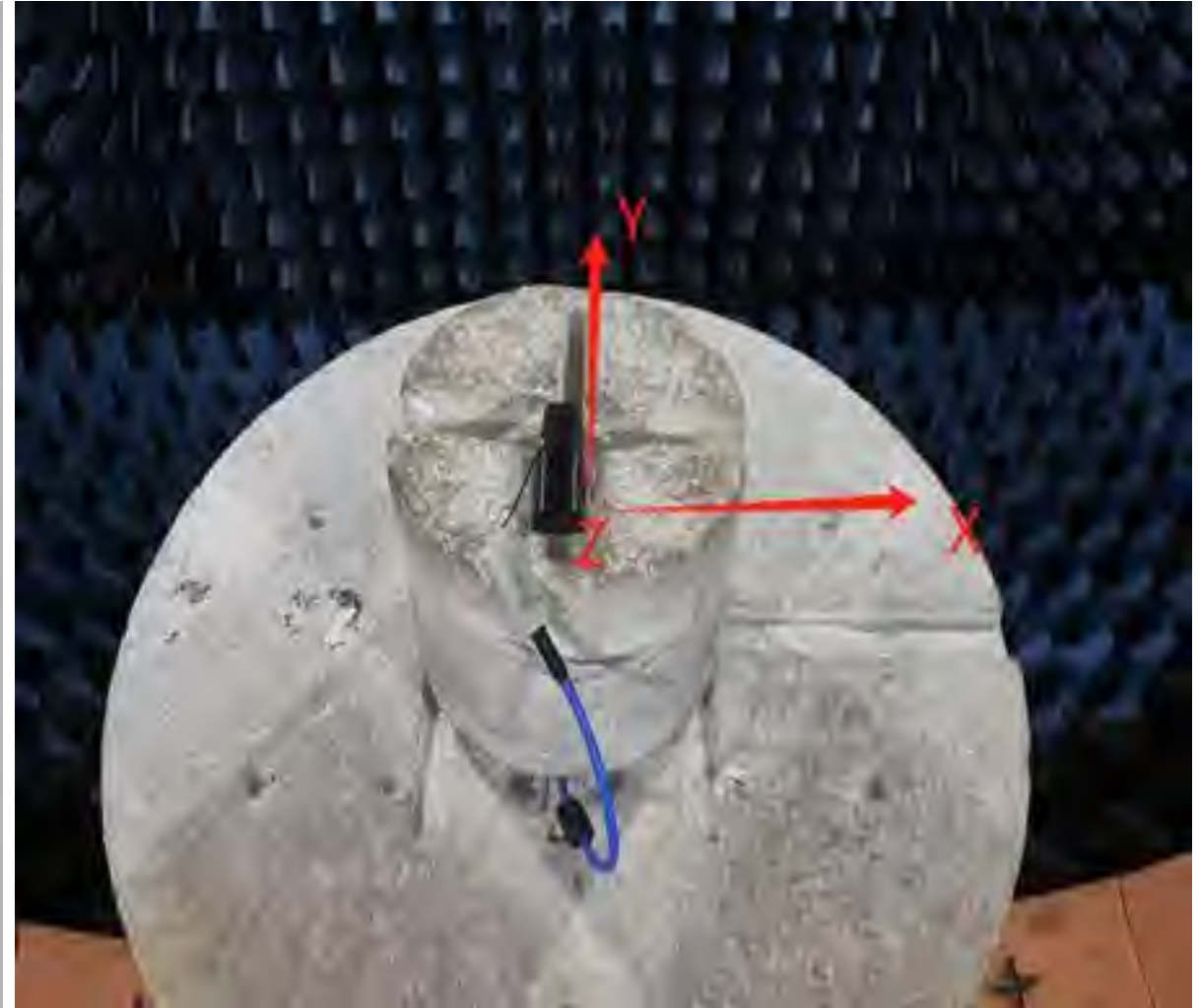
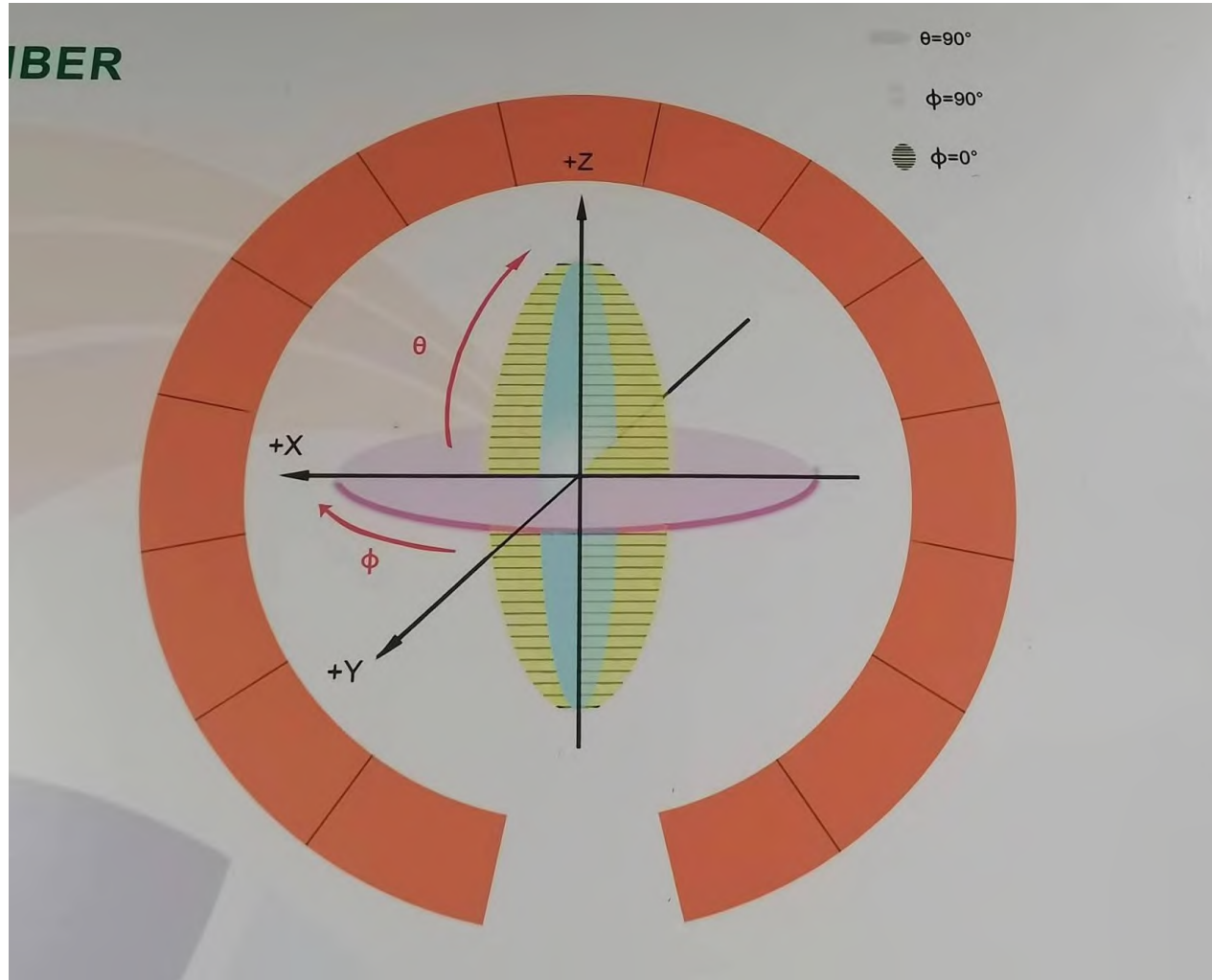
天线效率

Antenna Efficiency

软件版本(SW ver.): SNF V2.4.3 导出时间: 2025/4/25 14:31:30														
Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	AVG
Frequency (MHz)	2402	2410	2416	2422	2428	2434	2440	2446	2454	2460	2466	2472	2480	
Gain (dBi)	3.04	3.23	2.97	2.84	3.18	3.60	3.53	3.72	4.05	4.23	4.02	3.97	4.13	3.58
Efficiency (dB)	-3.40	-3.20	-3.39	-3.53	-3.41	-3.35	-3.32	-3.13	-3.24	-3.31	-3.22	-3.25	-3.10	-3.30
Efficiency (%)	45.70	47.87	45.84	44.34	45.63	46.26	46.51	48.59	47.40	46.64	47.61	47.36	48.99	46.83
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 实物图

Photos of the Z, X, Y

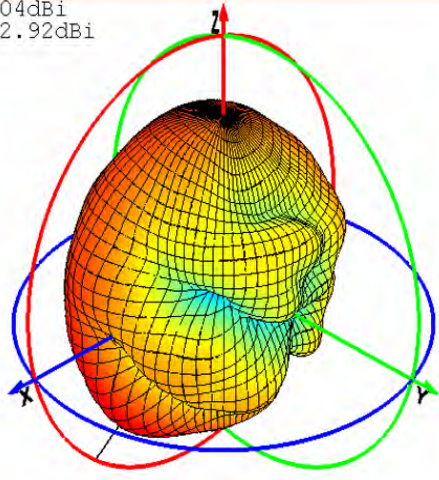


天线苹果图和方向图

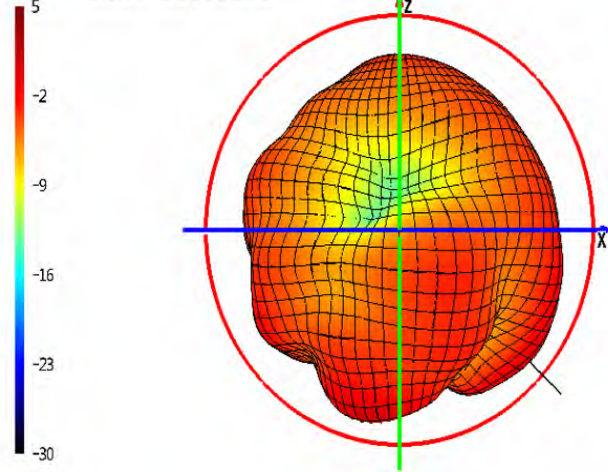
Antenna orientation diagram and 3D patterns

2402MHz

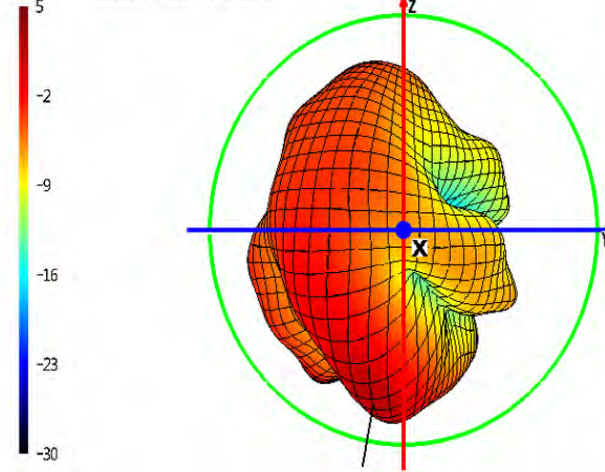
MAX:3.04dBi
MIN:-22.92dBi



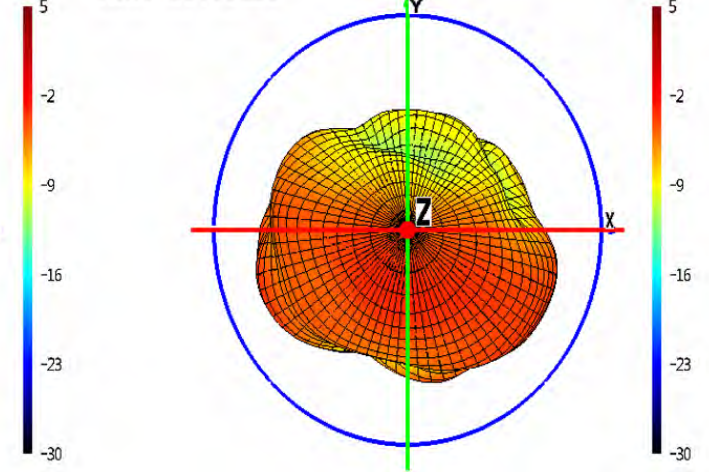
MAX:3.04dBi
MIN:-22.92dBi



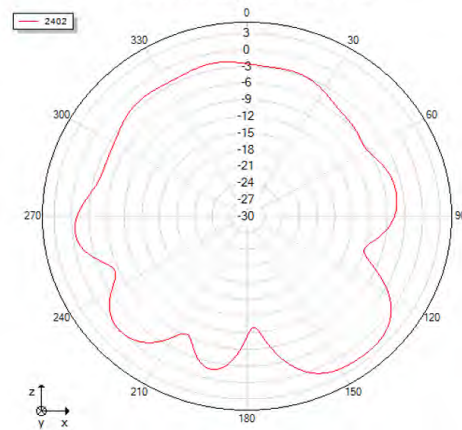
MAX:3.04dBi
MIN:-22.92dBi



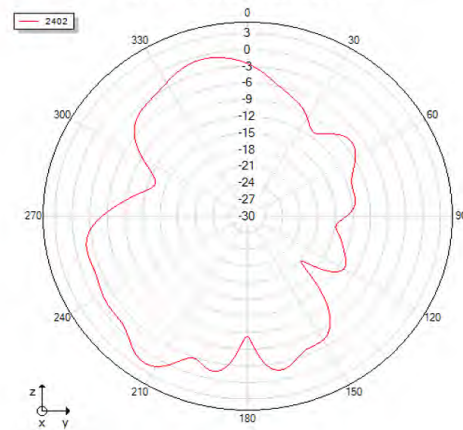
MAX:3.04dBi
MIN:-22.92dBi



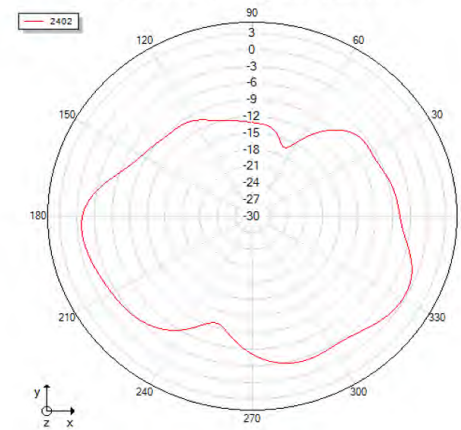
Phi=0 freq=2402MHz



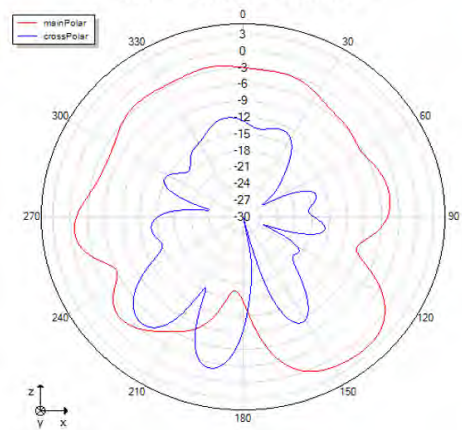
Phi=90 freq=2402MHz



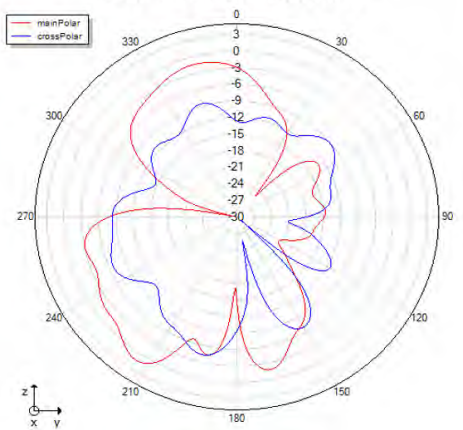
Theta=90 freq=2402MHz



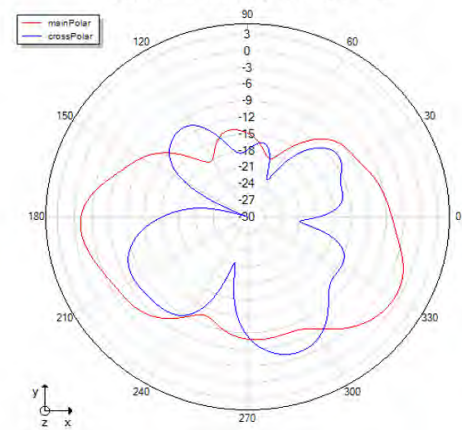
Phi=0 freq=2402MHz



Phi=90 freq=2402MHz



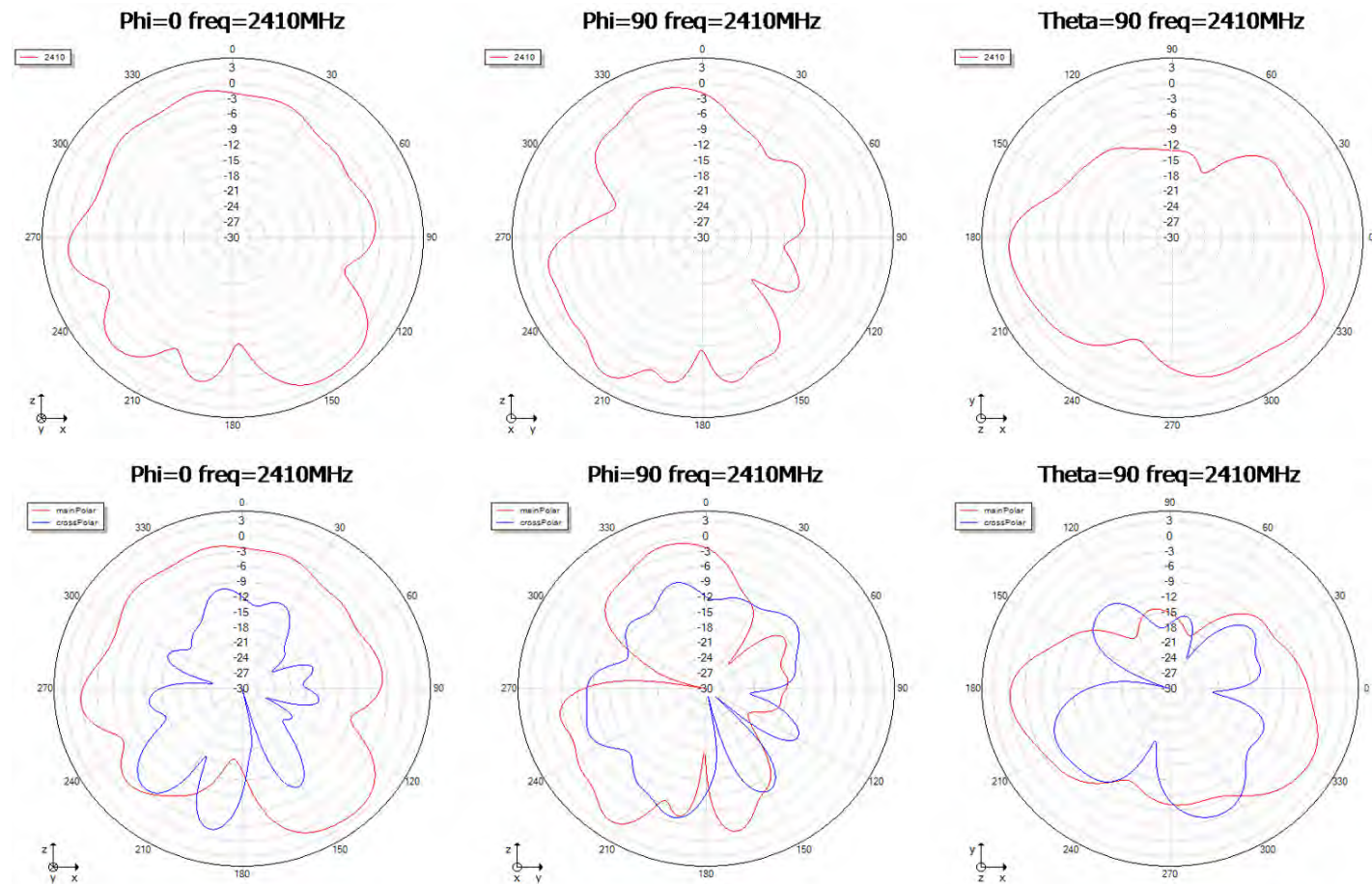
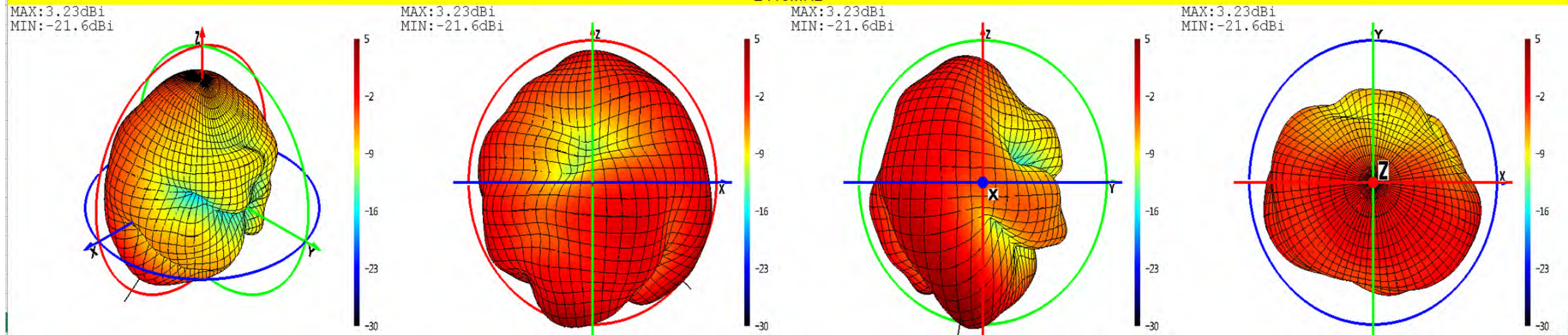
Theta=90 freq=2402MHz



天线苹果图和方向图

Antenna orientation diagram and 3D patterns

2410MHz

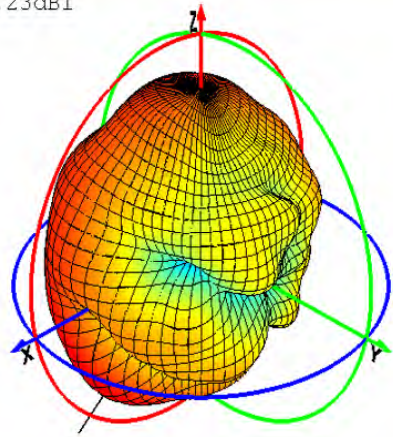


天线苹果图和方向图

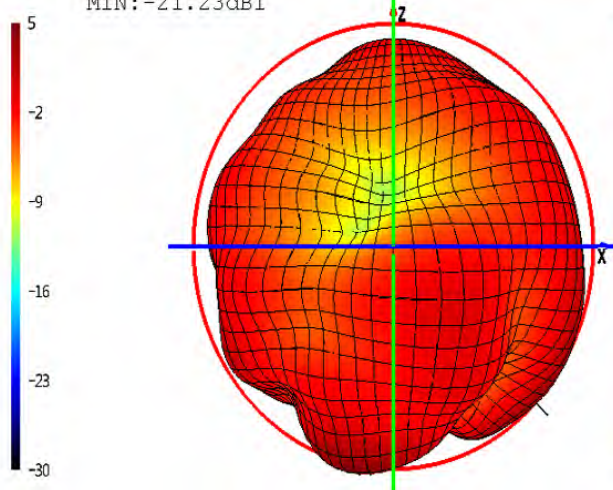
Antenna orientation diagram and 3D patterns

2416MHz

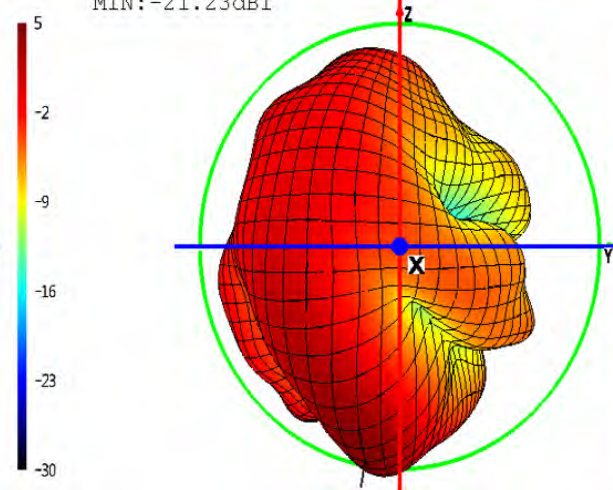
MAX:2.97dBi
MIN:-21.23dBi



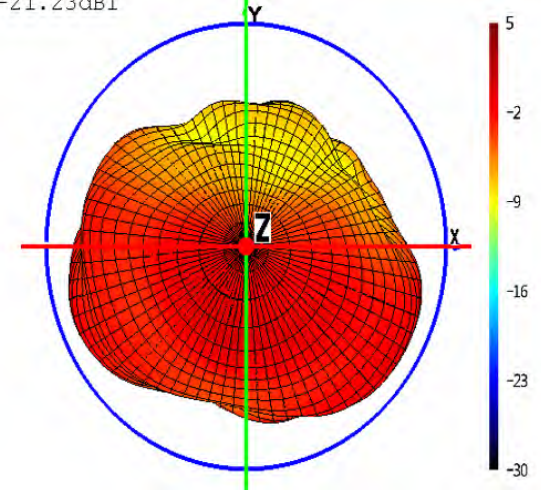
MAX:2.97dBi
MIN:-21.23dBi



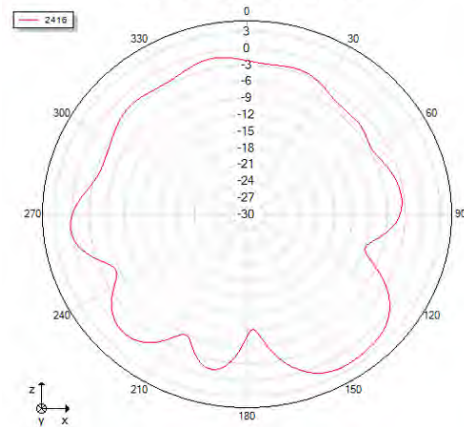
MAX:2.97dBi
MIN:-21.23dBi



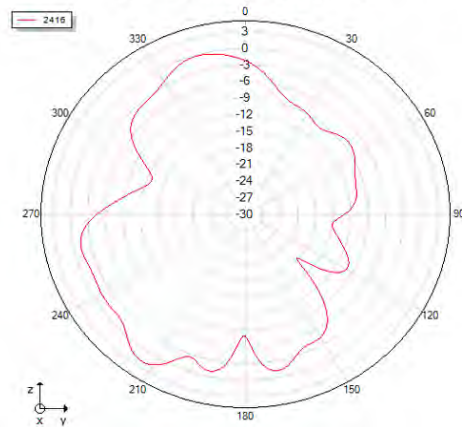
MAX:2.97dBi
MIN:-21.23dBi



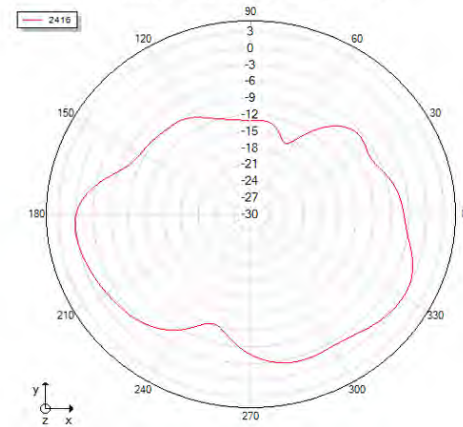
Phi=0 freq=2416MHz



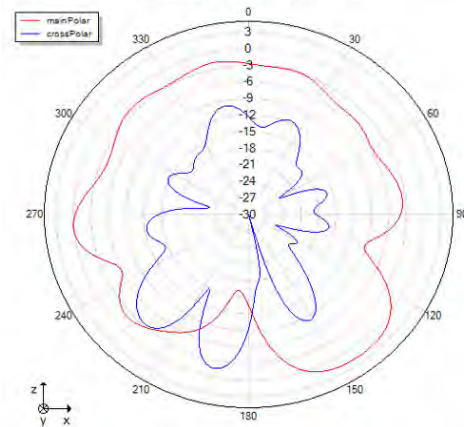
Phi=90 freq=2416MHz



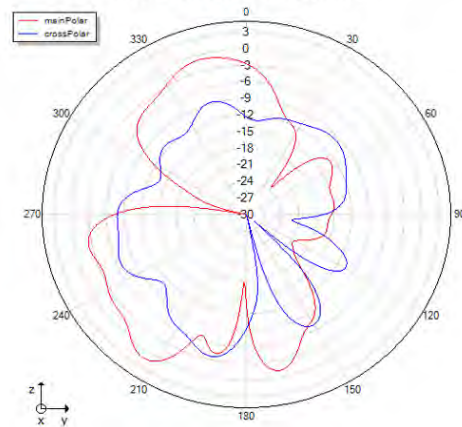
Theta=90 freq=2416MHz



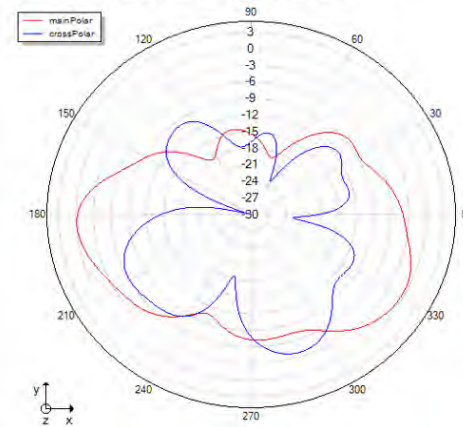
Phi=0 freq=2416MHz



Phi=90 freq=2416MHz



Theta=90 freq=2416MHz

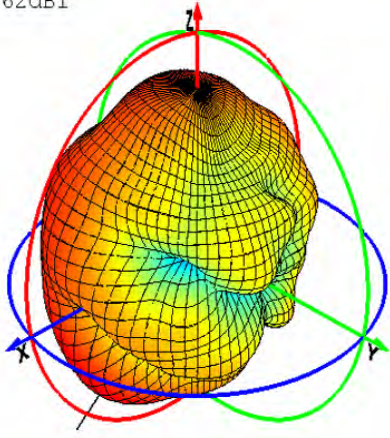


天线苹果图和方向图

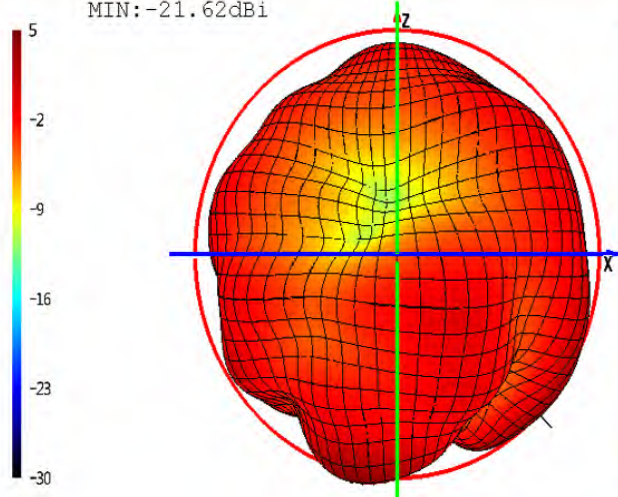
Antenna orientation diagram and 3D patterns

2422MHz

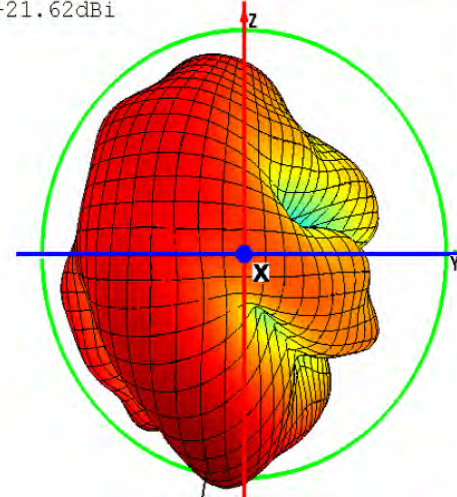
MAX:2.84dBi
MIN:-21.62dBi



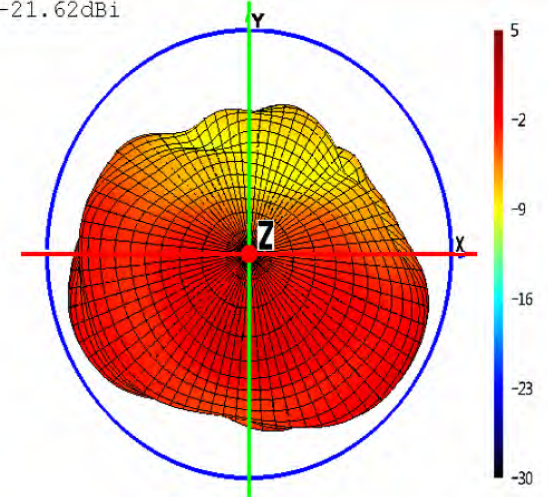
MAX:2.84dBi
MIN:-21.62dBi



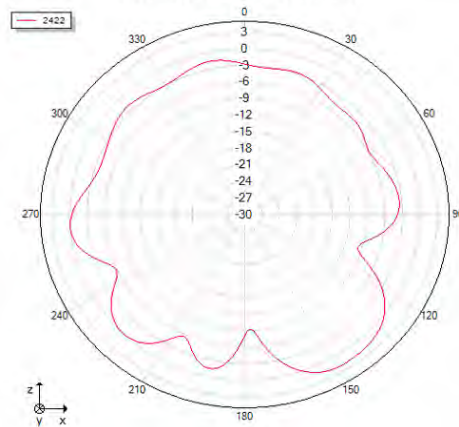
MAX:2.84dBi
MIN:-21.62dBi



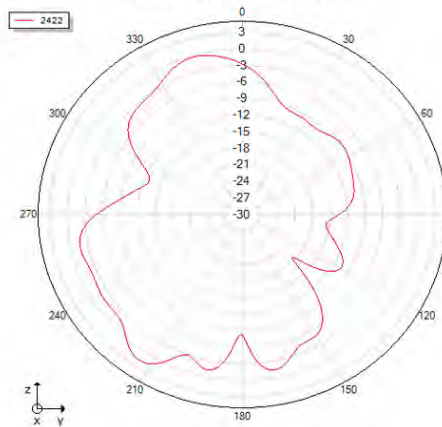
MAX:2.84dBi
MIN:-21.62dBi



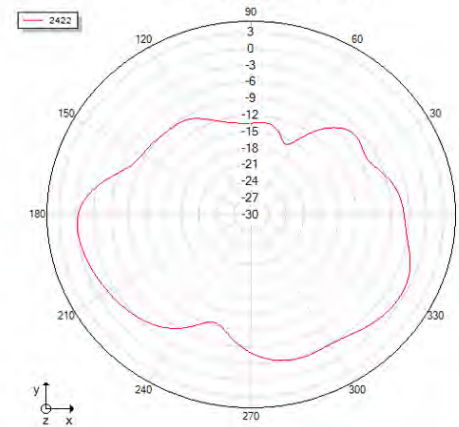
Phi=0 freq=2422MHz



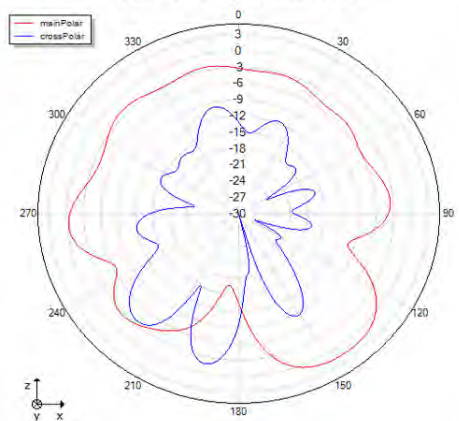
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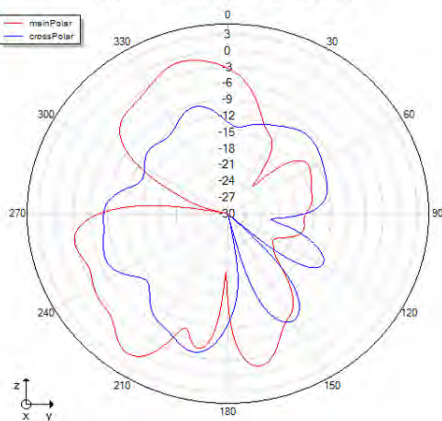
Theta=90 freq=2422MHz



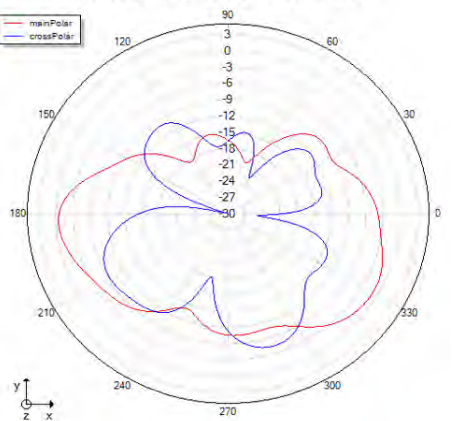
Phi=0 freq=2422MHz



Phi=90 freq=2422MHz



Theta=90 freq=2422MHz

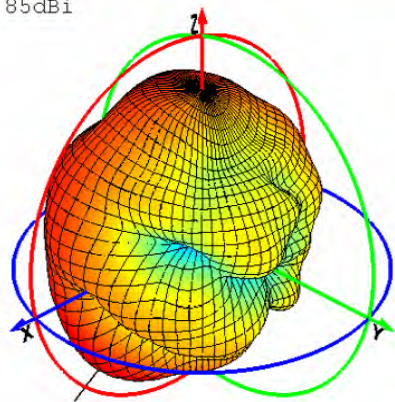


天线苹果图和方向图

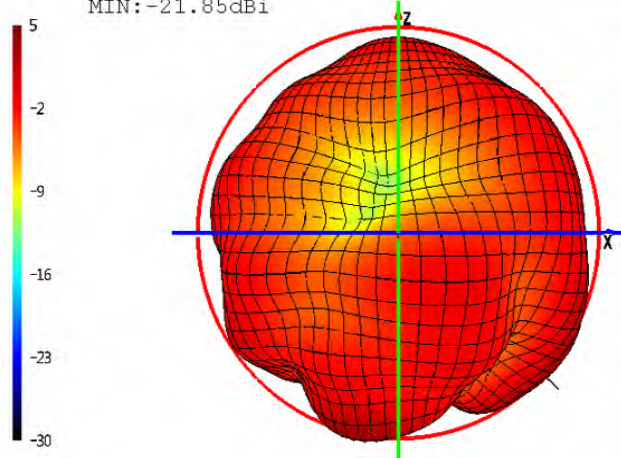
Antenna orientation diagram and 3D patterns

2428MHz

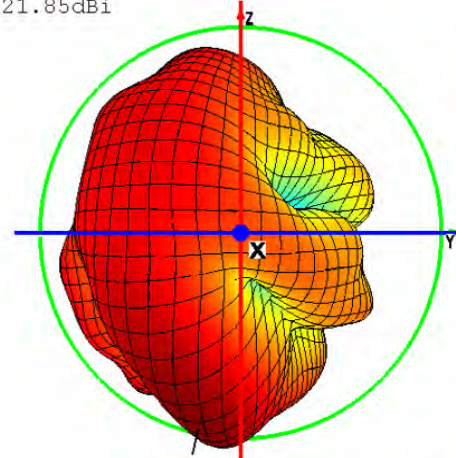
MAX:3.18dBi
MIN:-21.85dBi



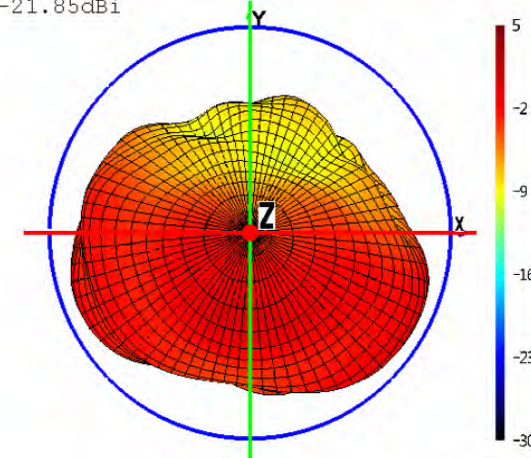
MAX:3.18dBi
MIN:-21.85dBi



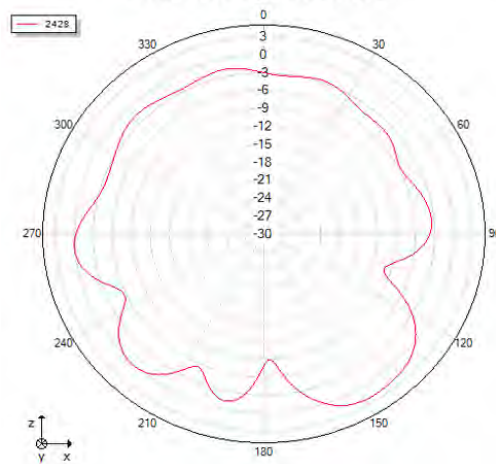
MAX:3.18dBi
MIN:-21.85dBi



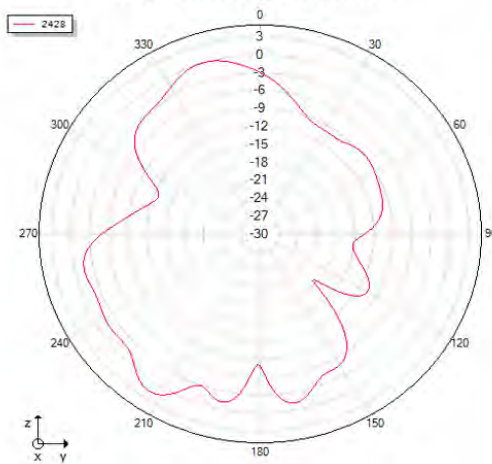
MAX:3.18dBi
MIN:-21.85dBi



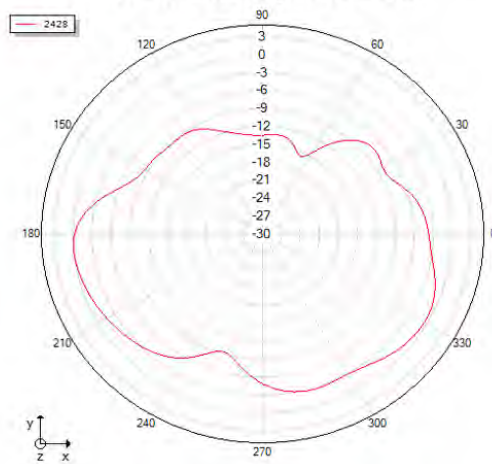
Phi=0 freq=2428MHz



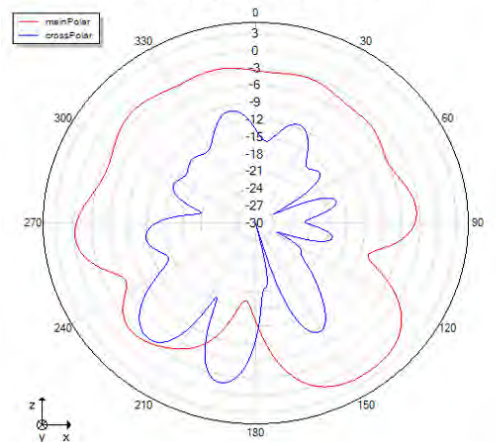
Phi=90 freq=2428MHz



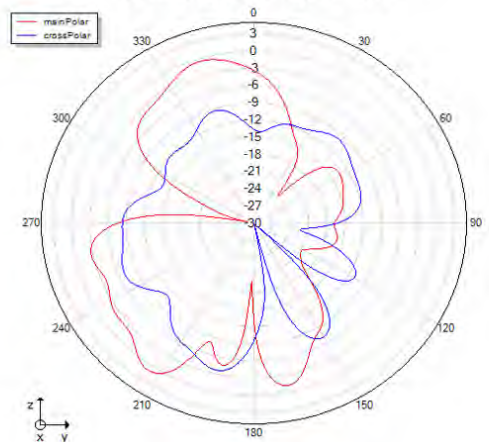
Theta=90 freq=2428MHz



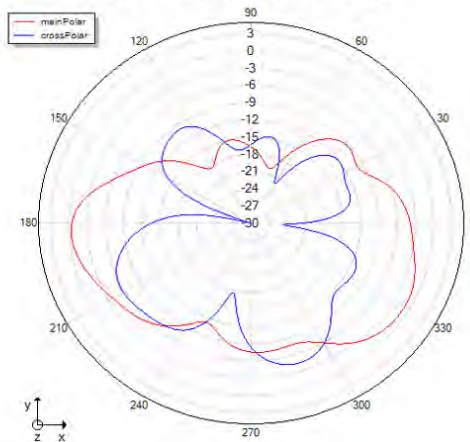
Phi=0 freq=2428MHz



Phi=90 freq=2428MHz



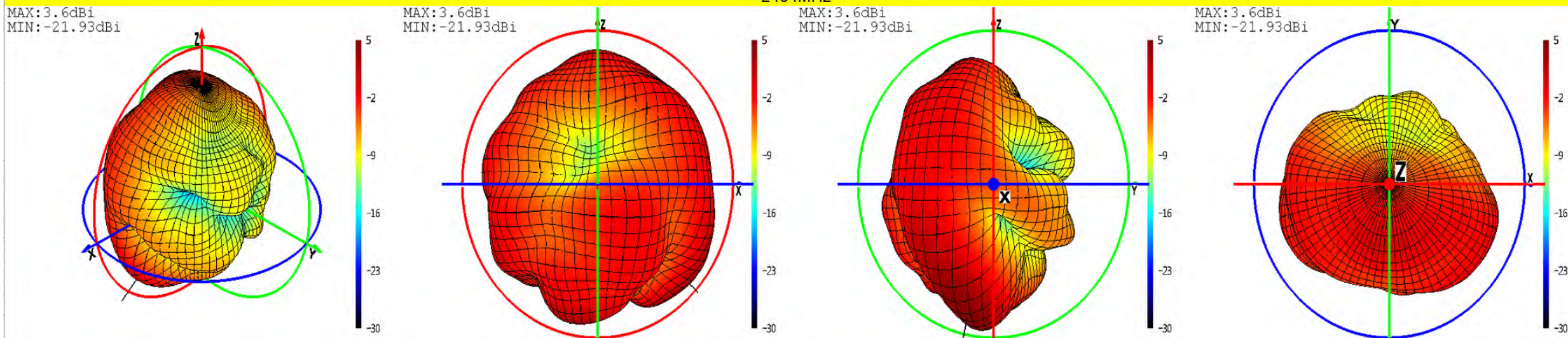
Theta=90 freq=2428MHz



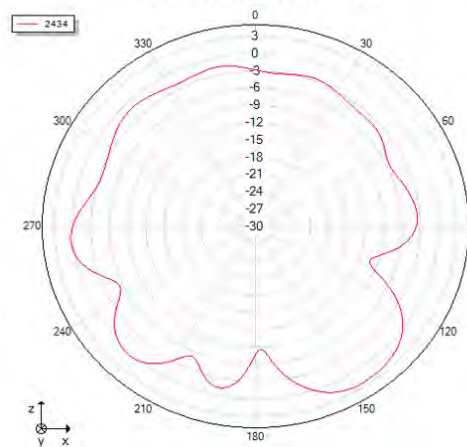
天线苹果图和方向图

Antenna orientation diagram and 3D patterns

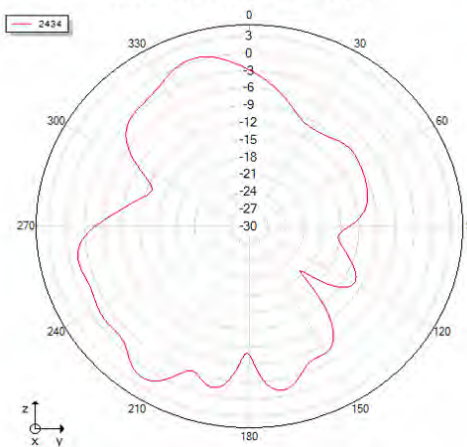
2434MHz



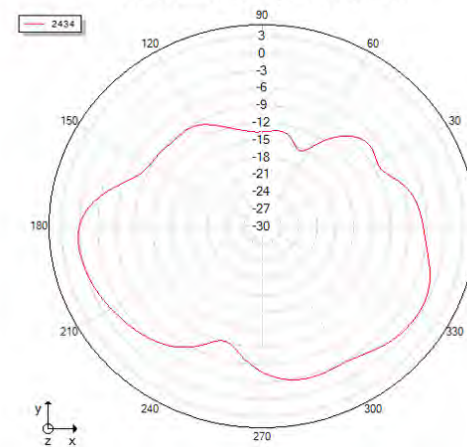
Phi=0 freq=2434MHz



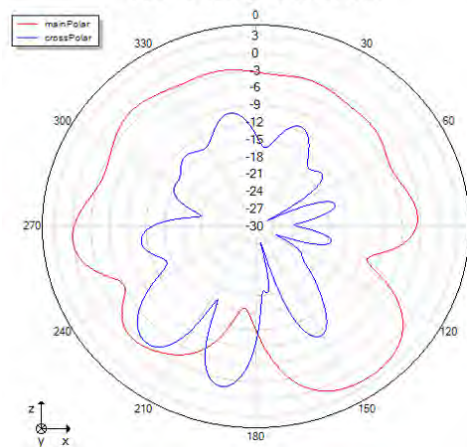
Phi=90 freq=2434MHz



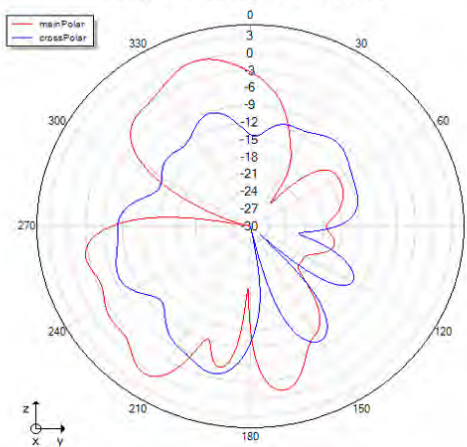
Theta=90 freq=2434MHz



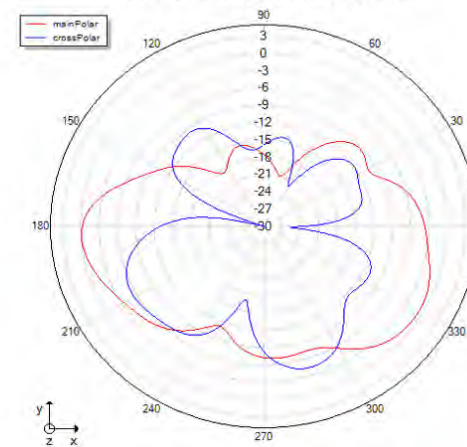
Phi=0 freq=2434MHz



Phi=90 freq=2434MHz



Theta=90 freq=2434MHz

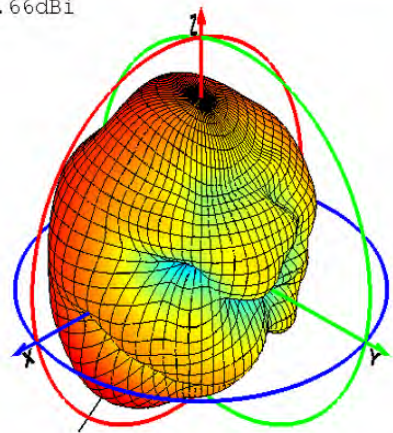


天线苹果图和方向图

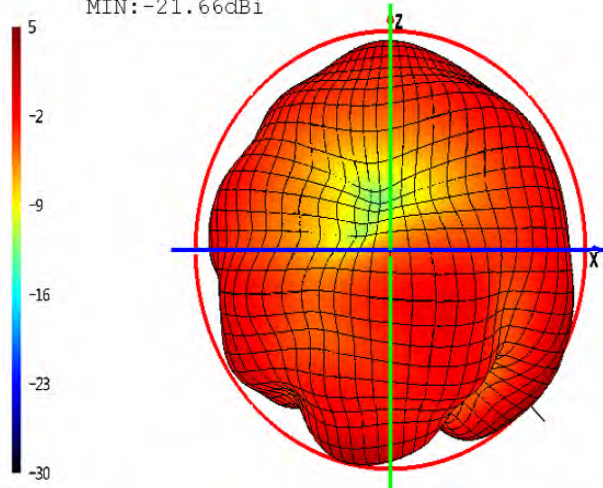
Antenna orientation diagram and 3D patterns

2440MHz

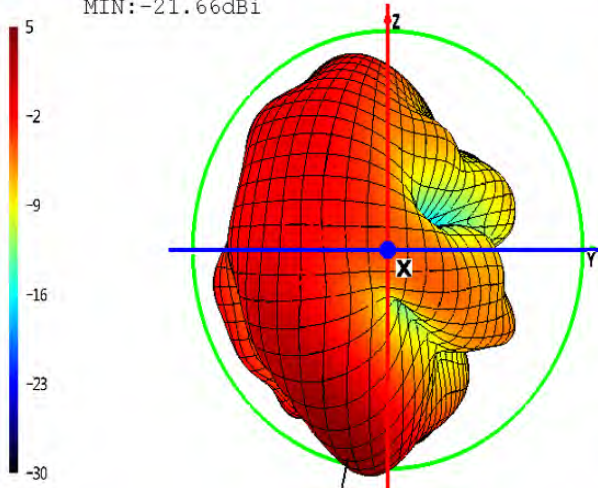
MAX:3.53dBi
MIN:-21.66dBi



MAX:3.53dBi
MIN:-21.66dBi



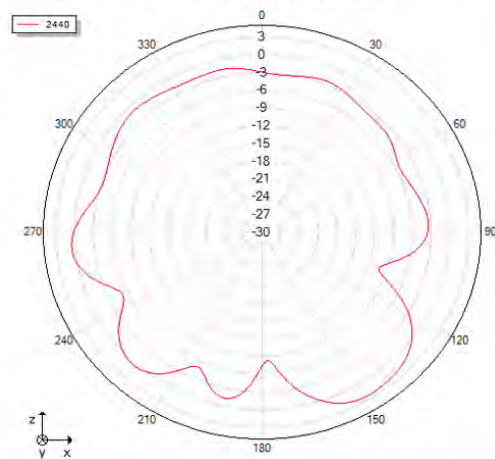
MAX:3.53dBi
MIN:-21.66dBi



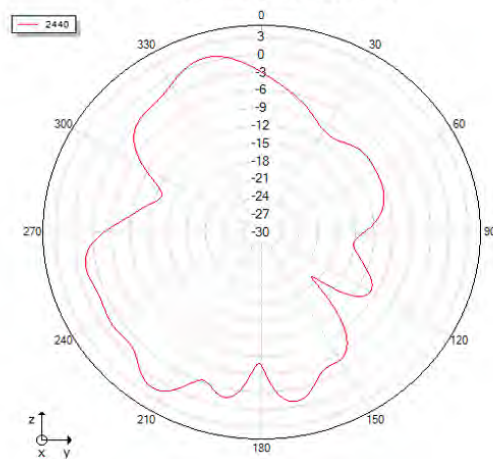
MAX:3.53dBi
MIN:-21.66dBi



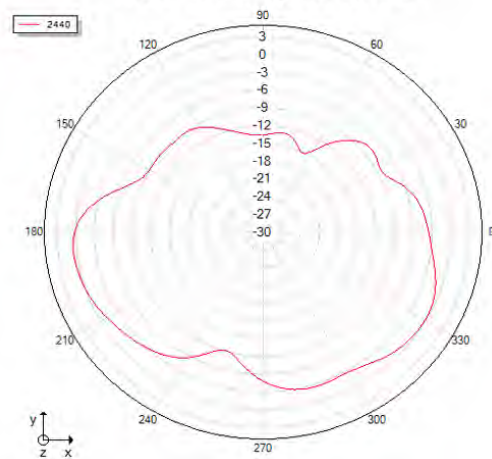
Phi=0 freq=2440MHz



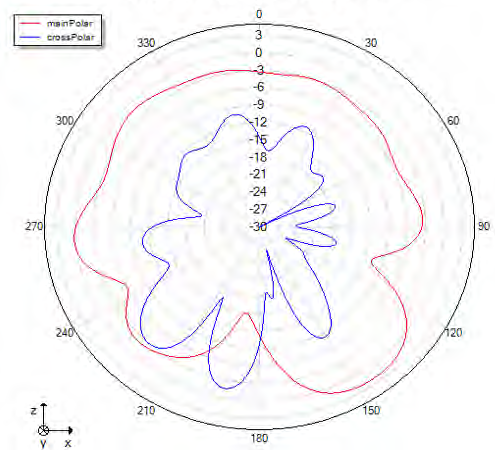
Phi=90 freq=2440MHz



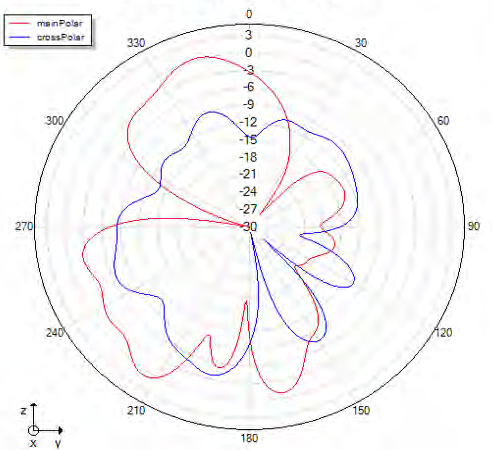
Theta=90 freq=2440MHz



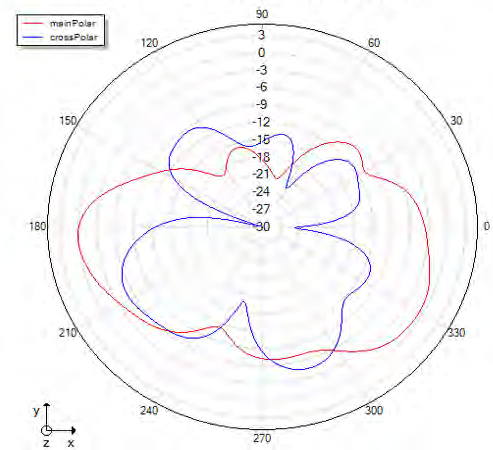
Phi=0 freq=2440MHz



Phi=90 freq=2440MHz



Theta=90 freq=2440MHz

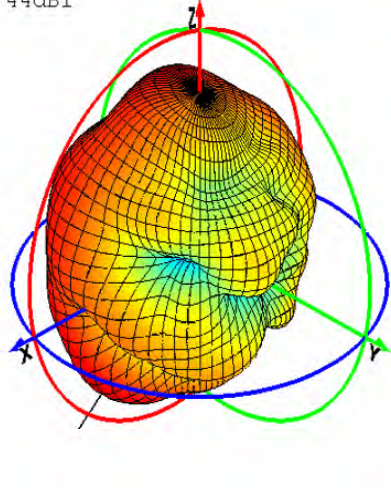


天线苹果图和方向图

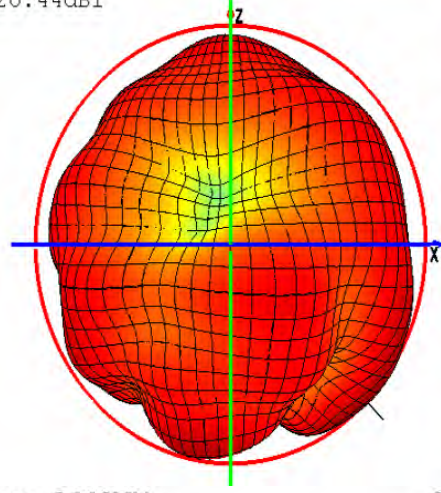
Antenna orientation diagram and 3D patterns

2446MHz

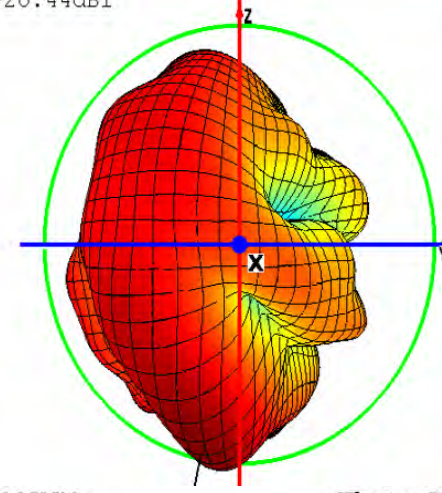
MAX: 3.72dBi
MIN: -20.44dBi



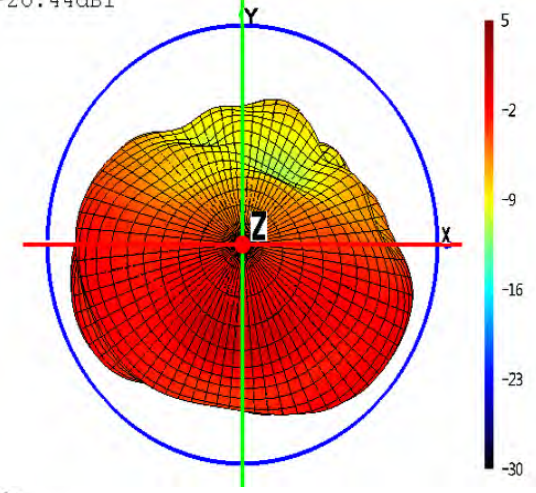
MAX: 3.72dBi
MIN: -20.44dBi



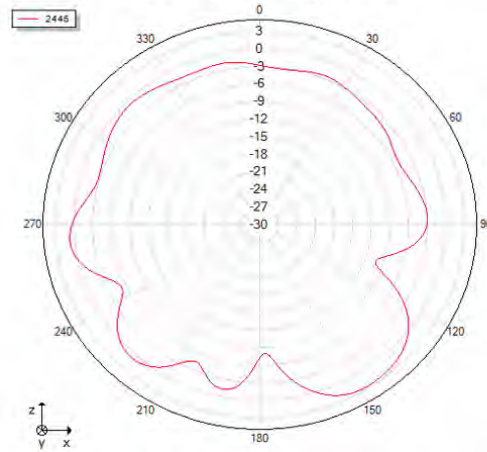
MAX: 3.72dBi
MIN: -20.44dBi



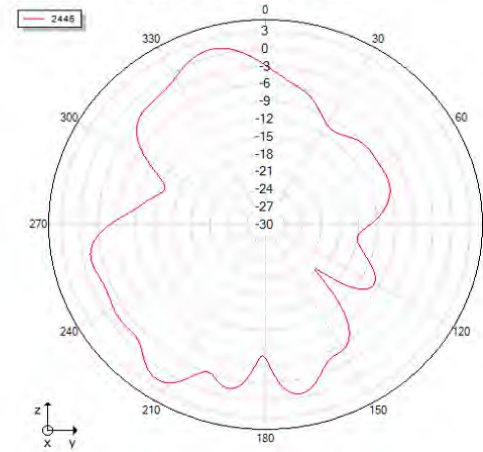
MAX: 3.72dBi
MIN: -20.44dBi



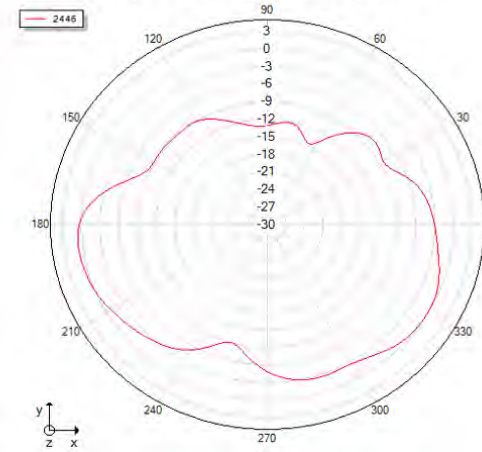
Phi=0 freq=2446MHz



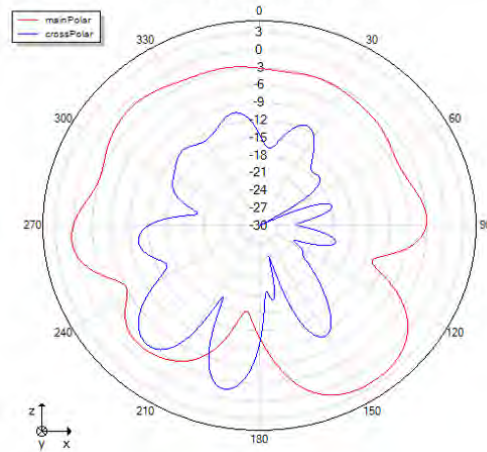
Phi=90 freq=2446MHz



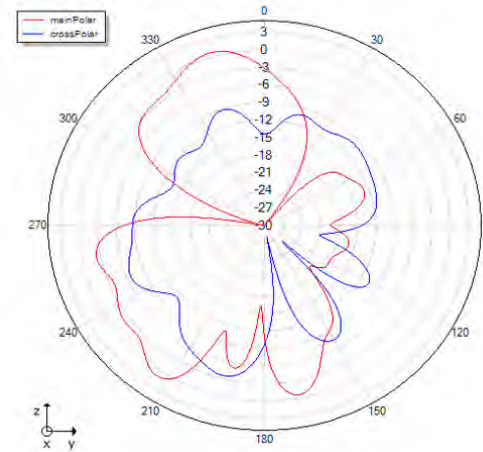
Theta=90 freq=2446MHz



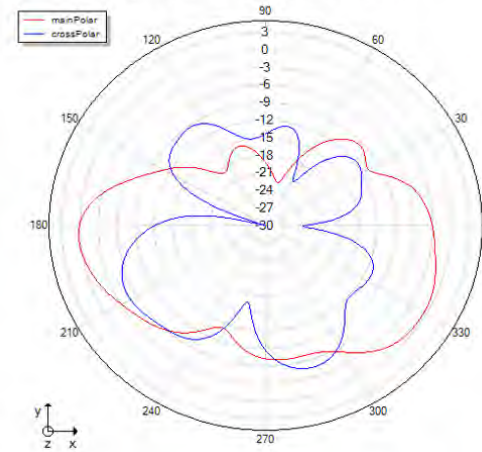
Phi=0 freq=2446MHz



Phi=90 freq=2446MHz



Theta=90 freq=2446MHz

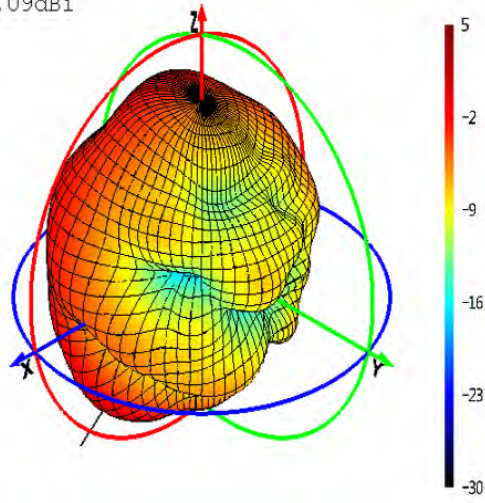


天线苹果图和方向图

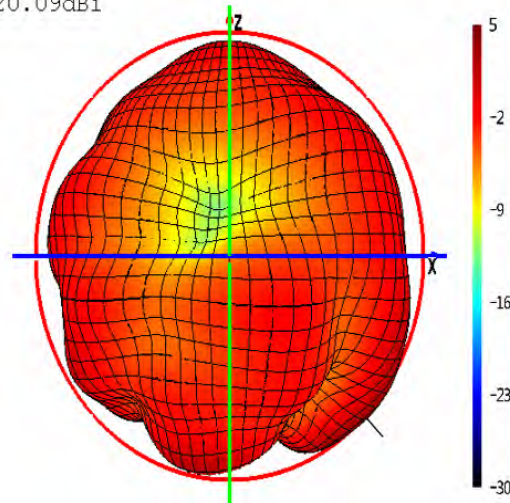
Antenna orientation diagram and 3D patterns

2454MHz

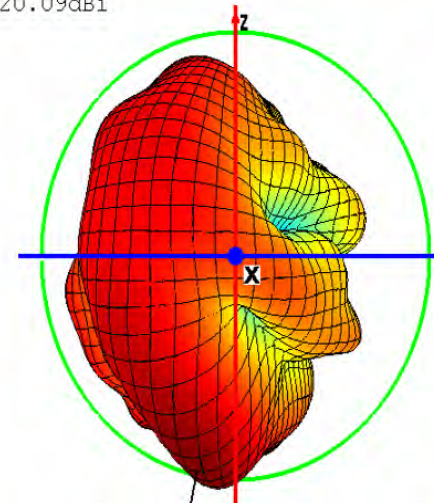
MAX: 4.05dBi
MIN: -20.09dBi



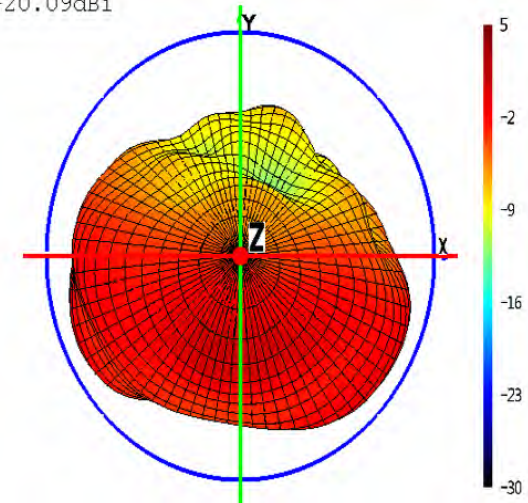
MAX: 4.05dBi
MIN: -20.09dBi



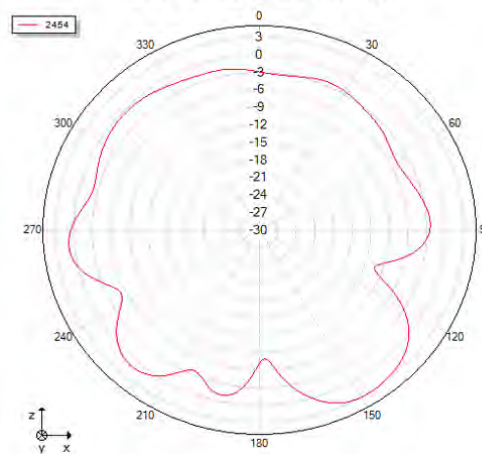
MAX: 4.05dBi
MIN: -20.09dBi



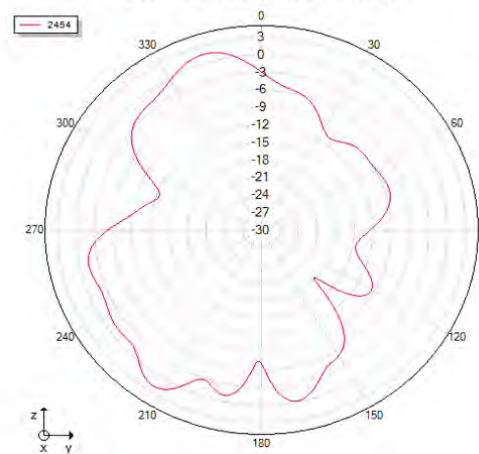
MAX: 4.05dBi
MIN: -20.09dBi



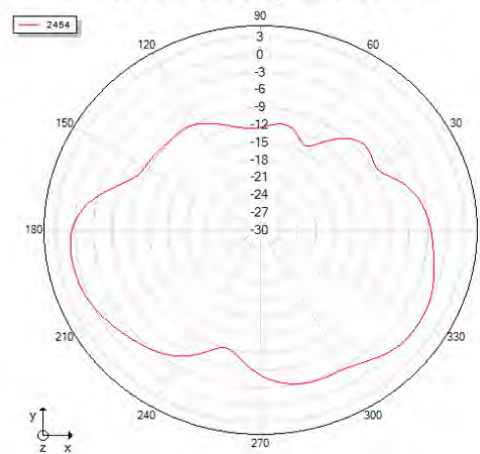
Phi=0 freq=2454MHz



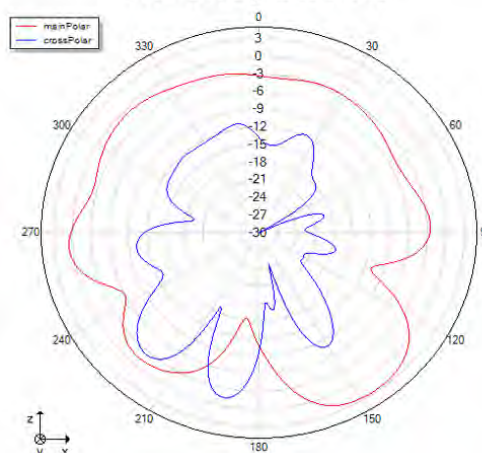
Phi=90 freq=2454MHz



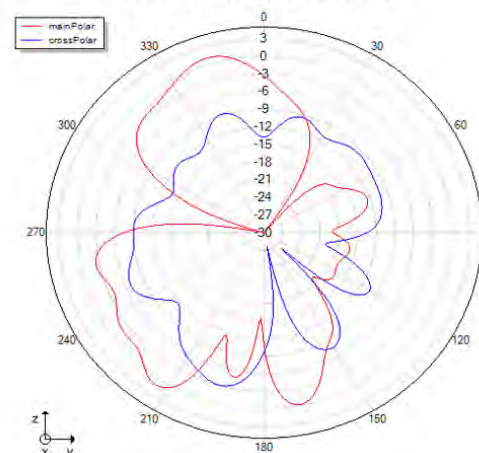
Theta=90 freq=2454MHz



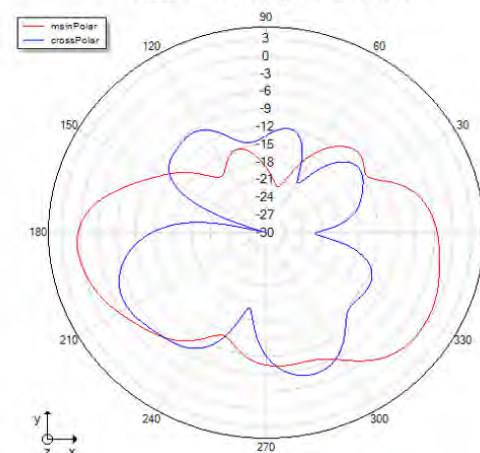
Phi=0 freq=2454MHz



Phi=90 freq=2454MHz

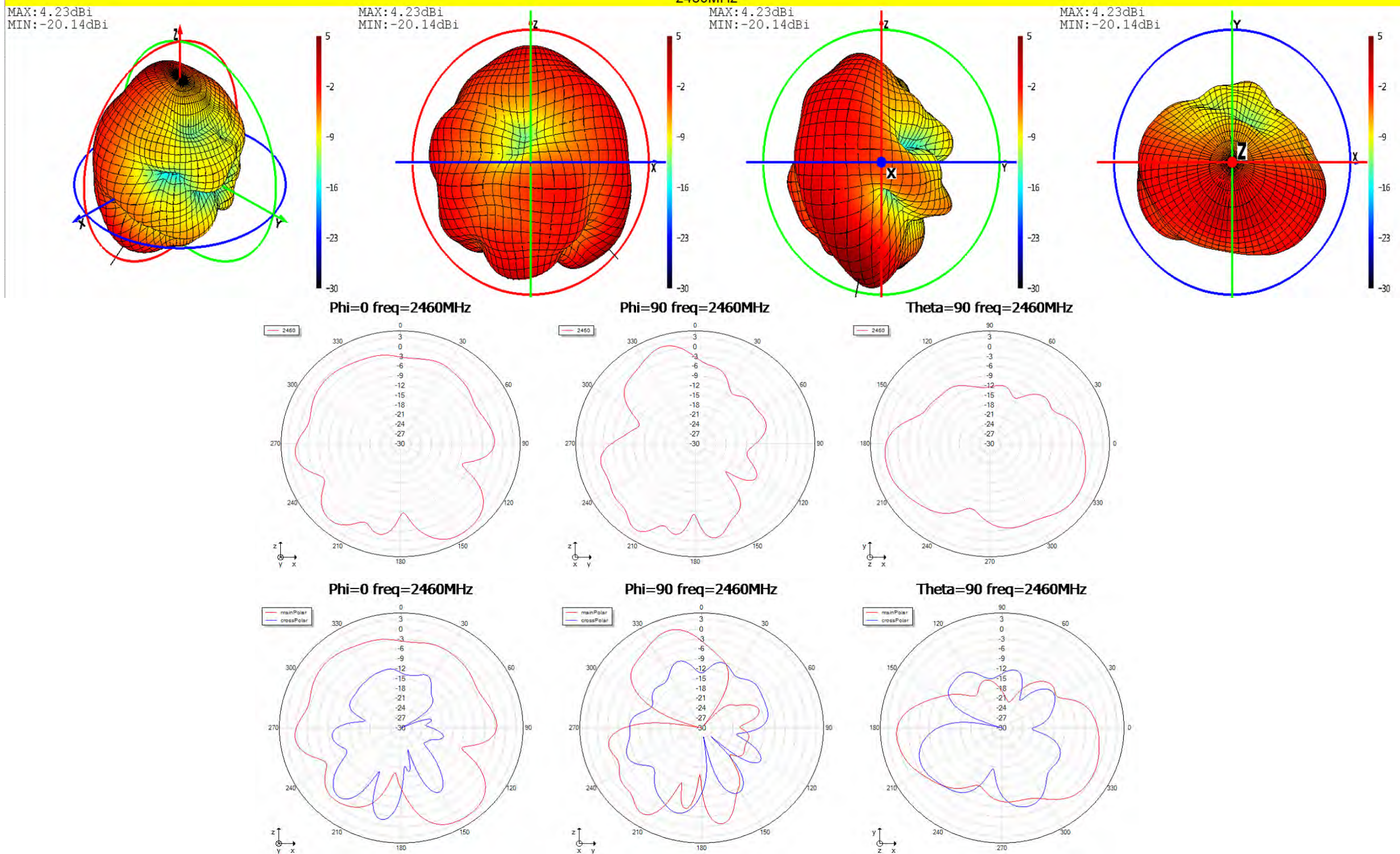


Theta=90 freq=2454MHz



天线苹果图和方向图

Antenna orientation diagram and 3D patterns

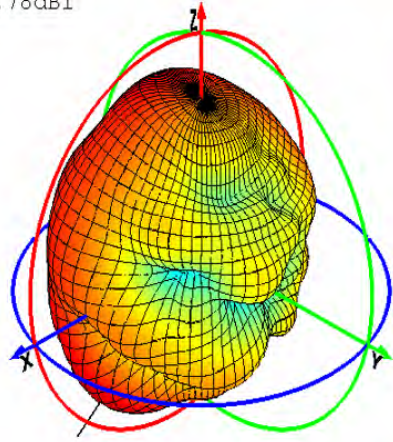


天线苹果图和方向图

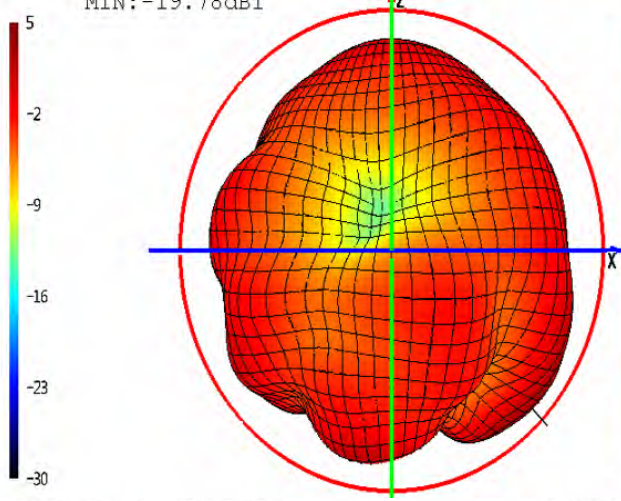
Antenna orientation diagram and 3D patterns

2466MHz

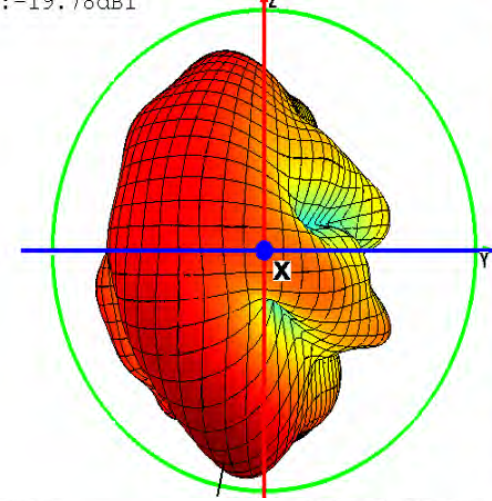
MAX:4.02dBi
MIN:-19.78dBi



MAX:4.02dBi
MIN:-19.78dBi



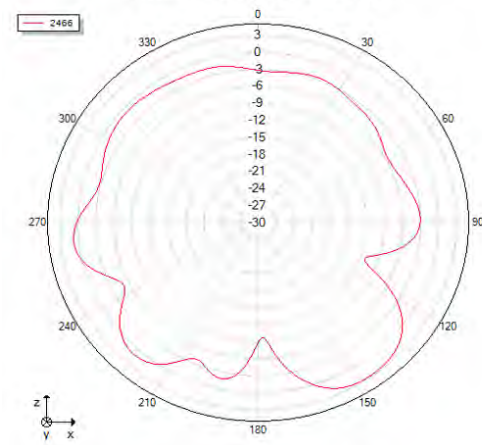
MAX:4.02dBi
MIN:-19.78dBi



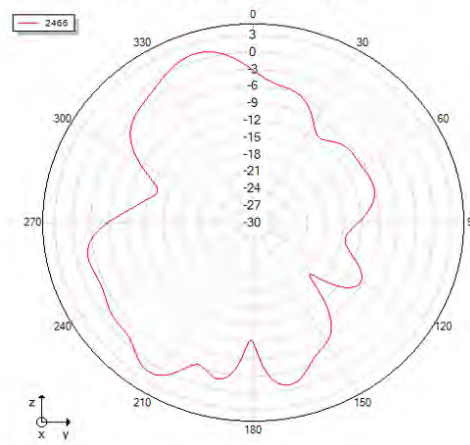
MAX:4.02dBi
MIN:-19.78dBi



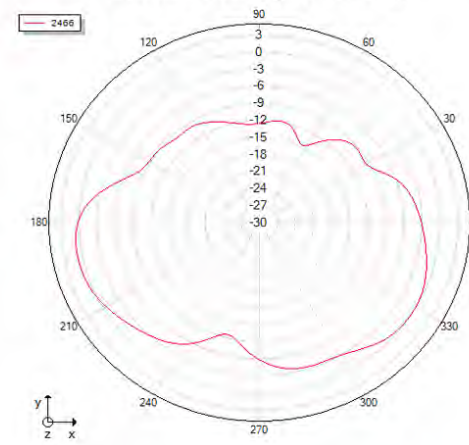
Phi=0 freq=2466MHz



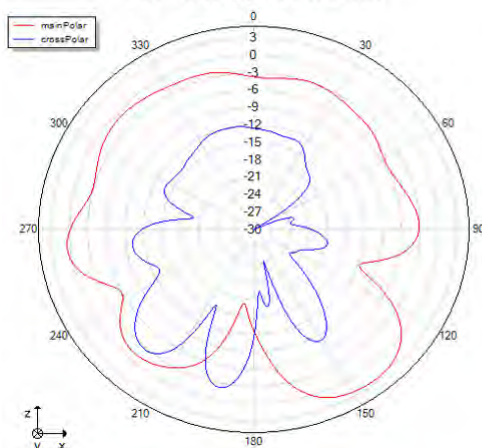
Phi=90 freq=2466MHz



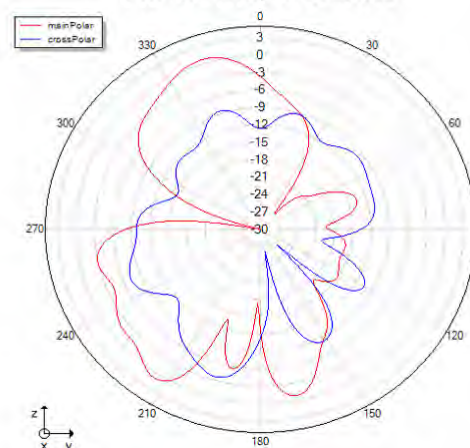
Theta=90 freq=2466MHz



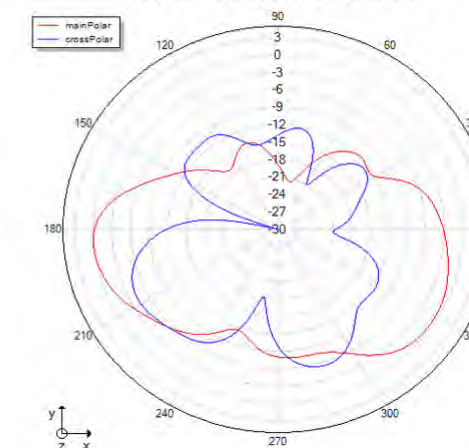
Phi=0 freq=2466MHz



Phi=90 freq=2466MHz



Theta=90 freq=2466MHz

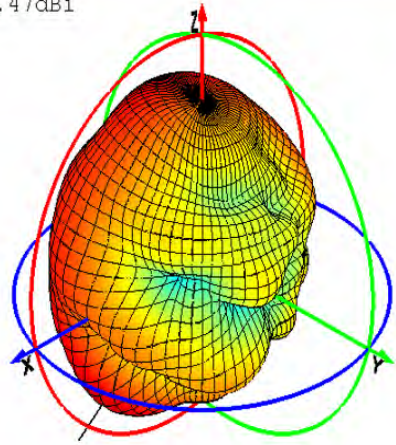


天线苹果图和方向图

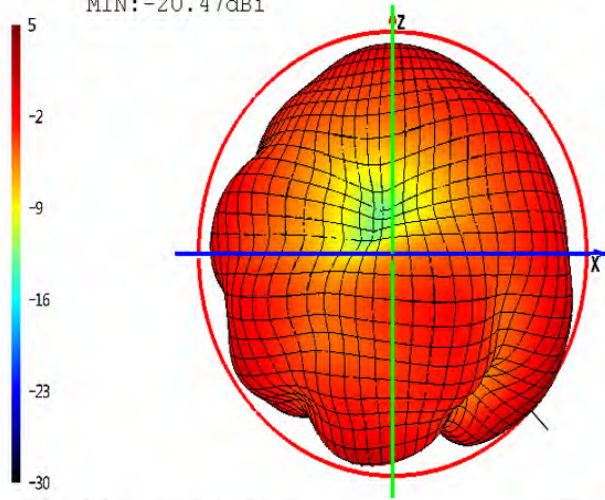
Antenna orientation diagram and 3D patterns

2472MHz

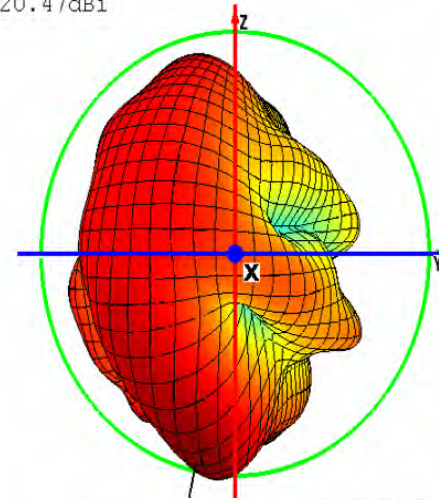
MAX:3.97dBi
MIN:-20.47dBi



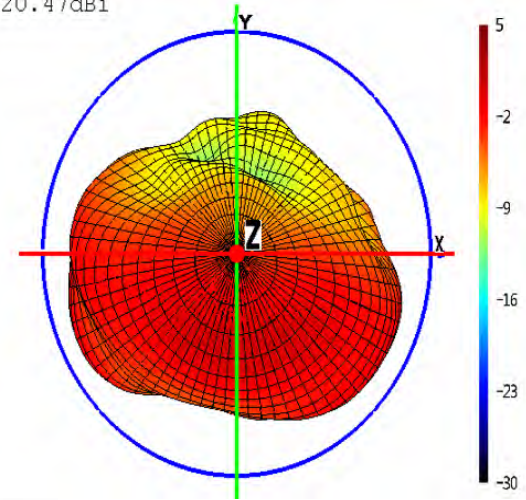
MAX:3.97dBi
MIN:-20.47dBi



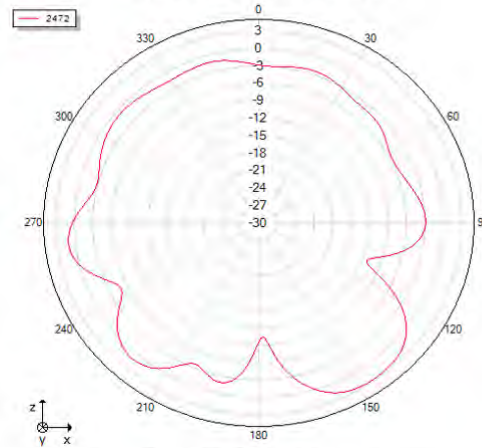
MAX:3.97dBi
MIN:-20.47dBi



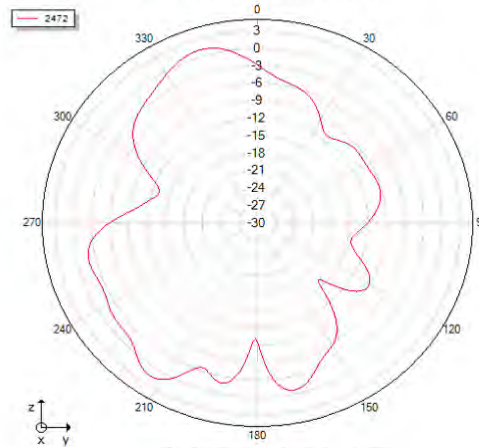
MAX:3.97dBi
MIN:-20.47dBi



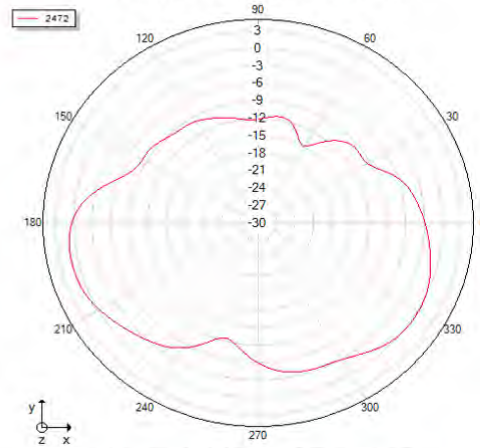
Phi=0 freq=2472MHz



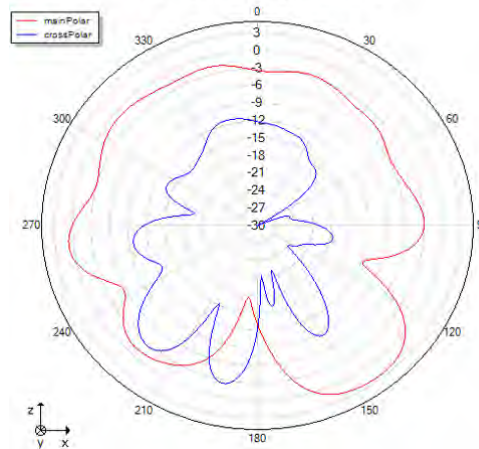
Phi=90 freq=2472MHz



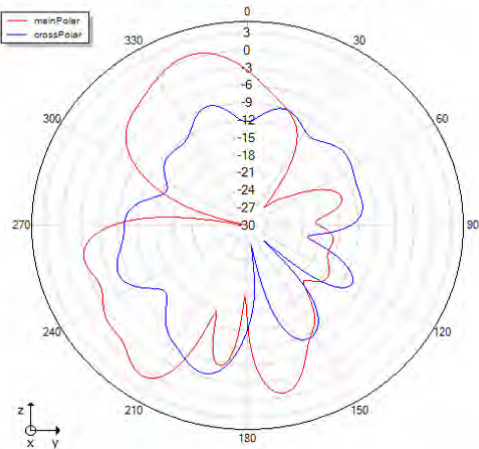
Theta=90 freq=2472MHz



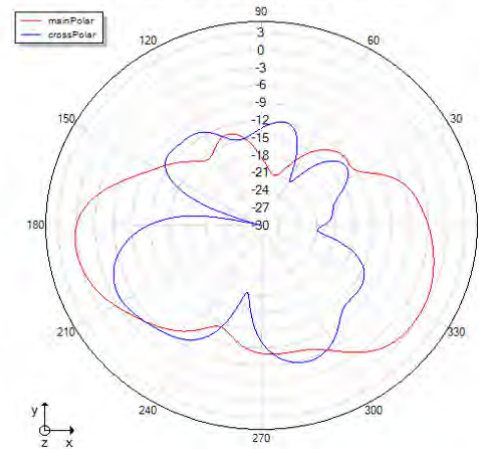
Phi=0 freq=2472MHz



Phi=90 freq=2472MHz



Theta=90 freq=2472MHz

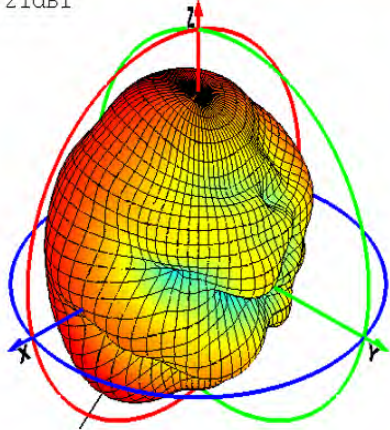


天线苹果图和方向图

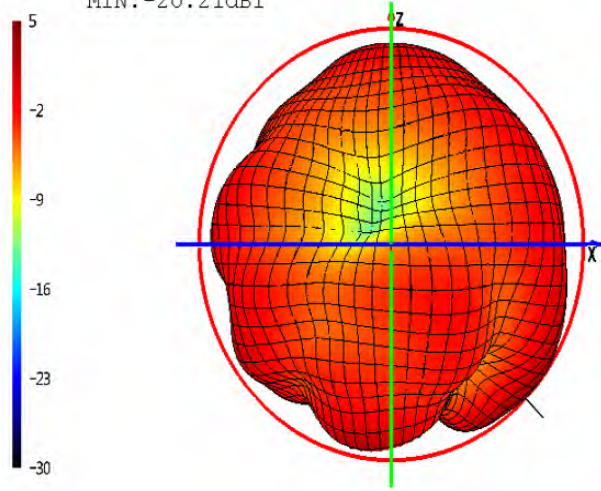
Antenna orientation diagram and 3D patterns

2480MHz

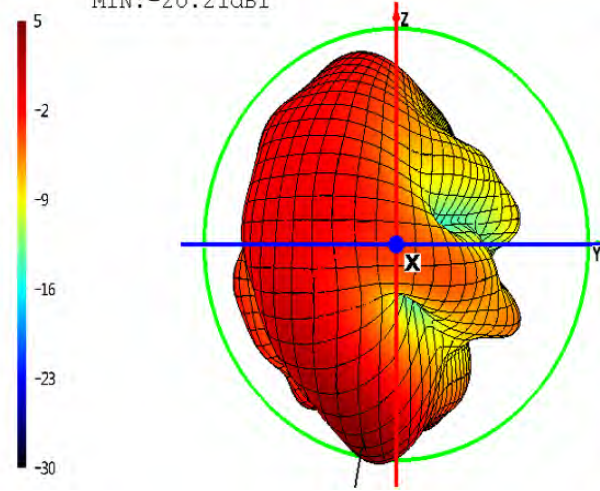
MAX: 4.13dBi
MIN: -20.21dBi



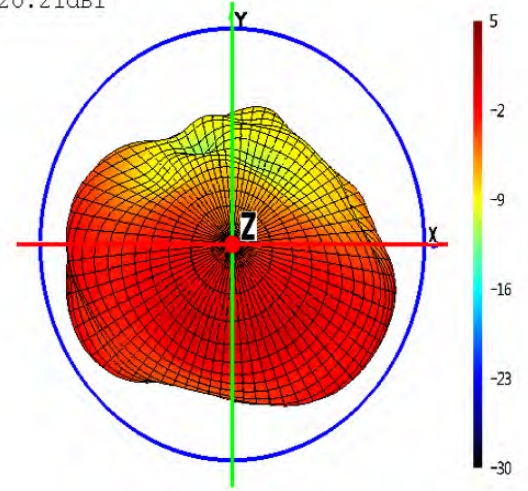
MAX: 4.13dBi
MIN: -20.21dBi



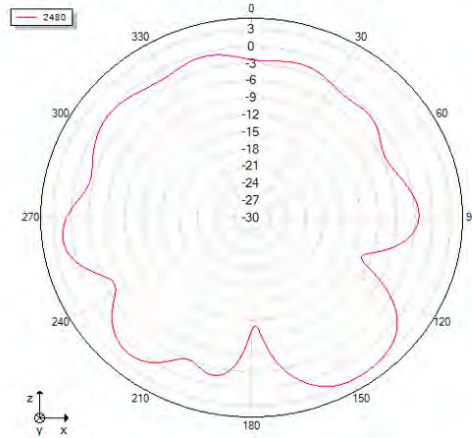
MAX: 4.13dBi
MIN: -20.21dBi



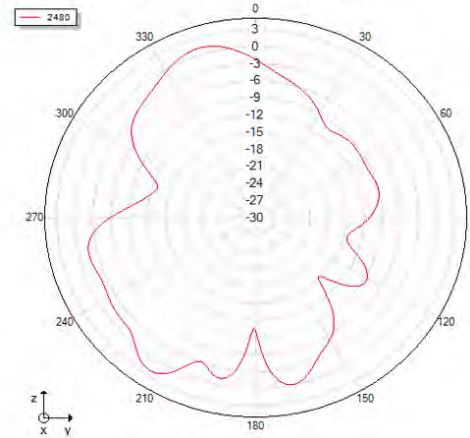
MAX: 4.13dBi
MIN: -20.21dBi



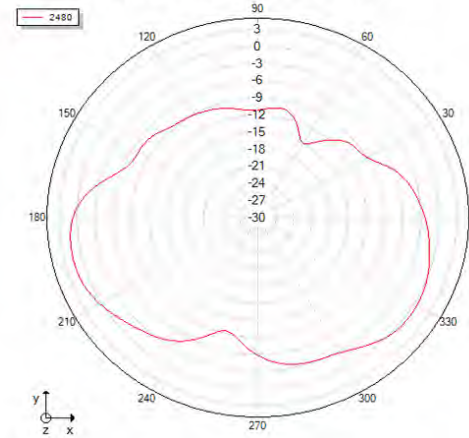
Phi=0 freq=2480MHz



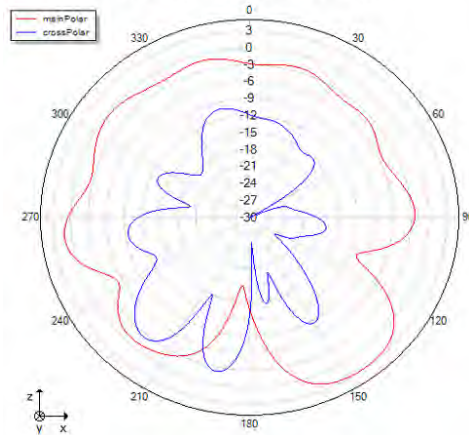
Phi=90 freq=2480MHz



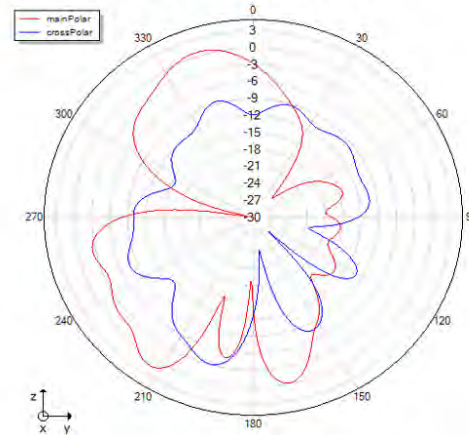
Theta=90 freq=2480MHz



Phi=0 freq=2480MHz



Phi=90 freq=2480MHz



Theta=90 freq=2480MHz

