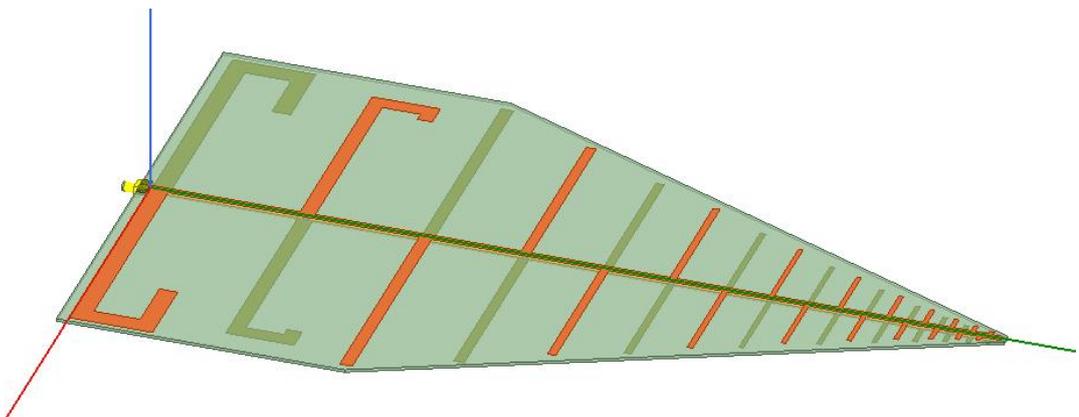
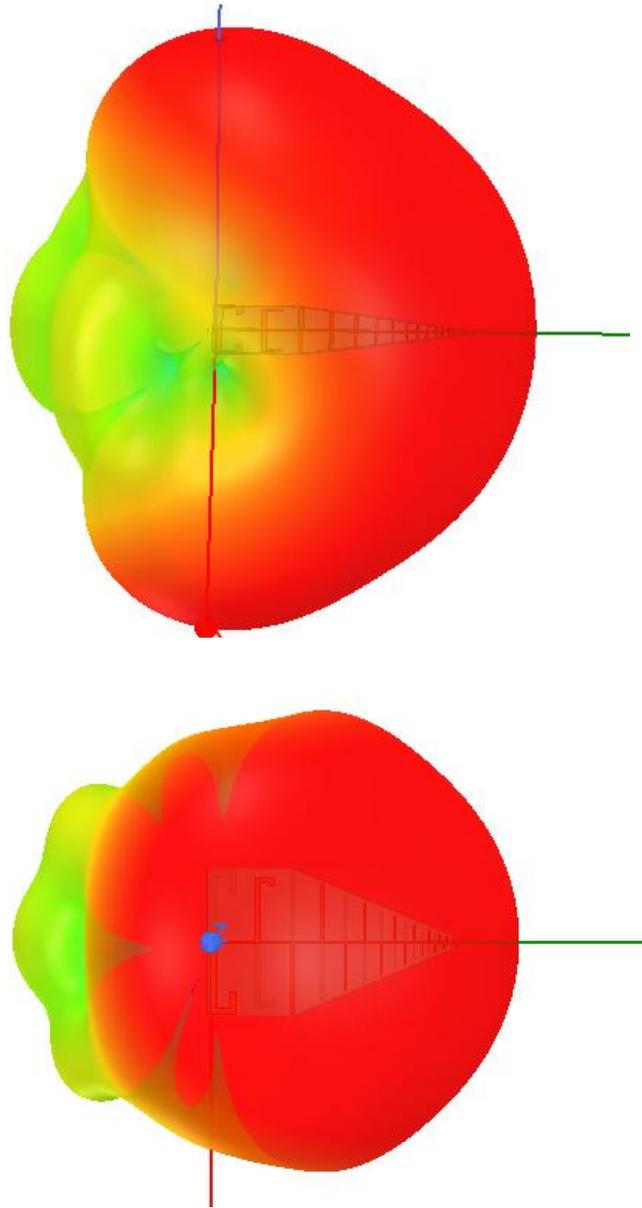


WD8G-406 定向天线



1、仿真模型



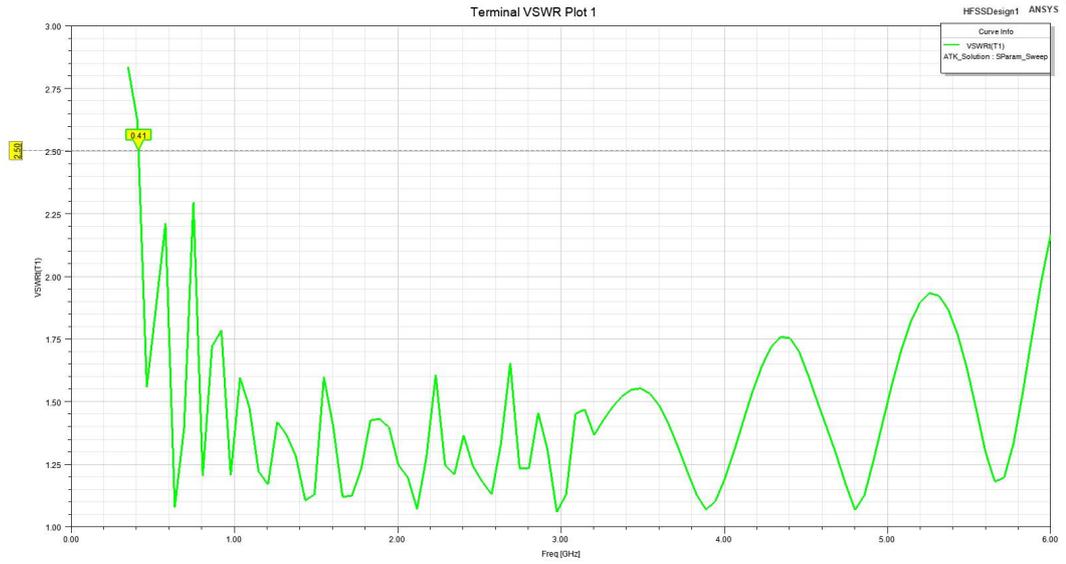


2、天线性能要求

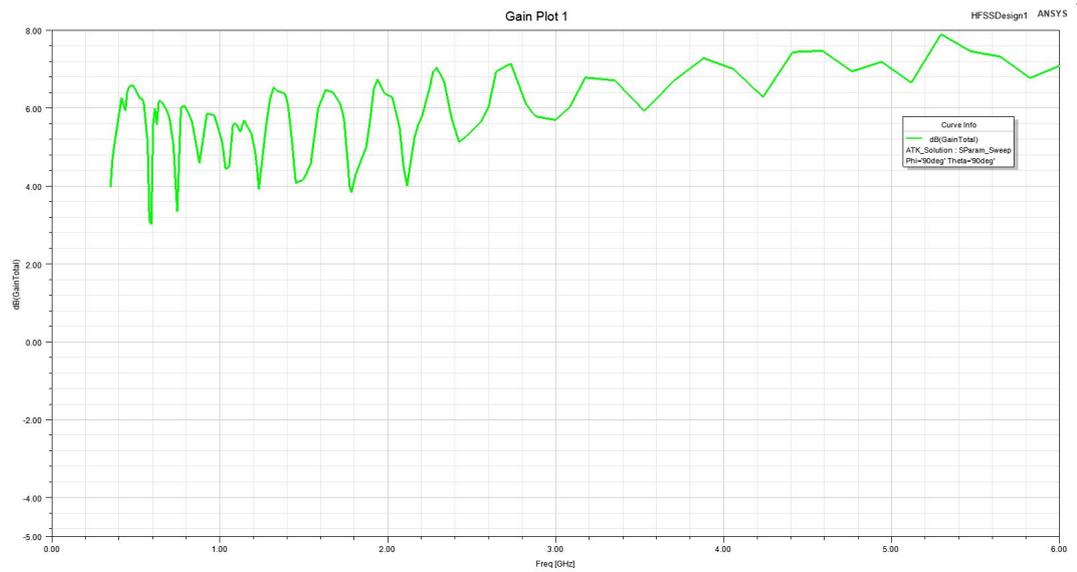
名称	工作频率范围	VSWR	增益	尺寸	板材
LPA 天线	0.4~6GHz	≤ 2.5	4~8dBi	470x270x1.6mm	FR-4

3、仿真结果

◇ 驻波比

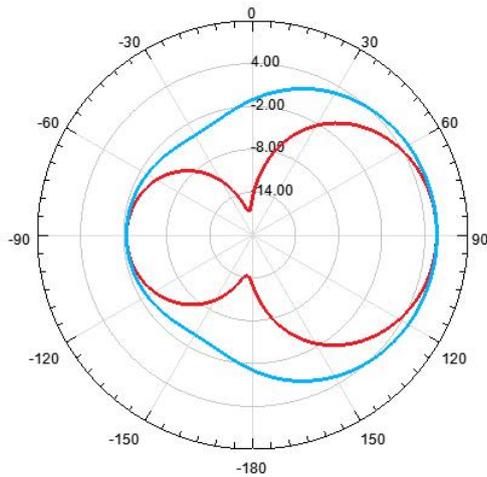


◇ 增益



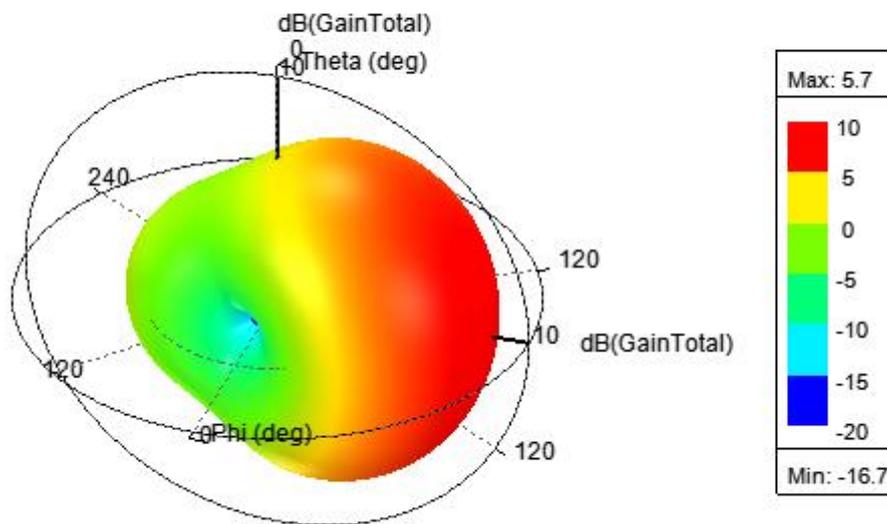
◇ 0.4GHz 天线增益、方向图:

Gain Plot 3



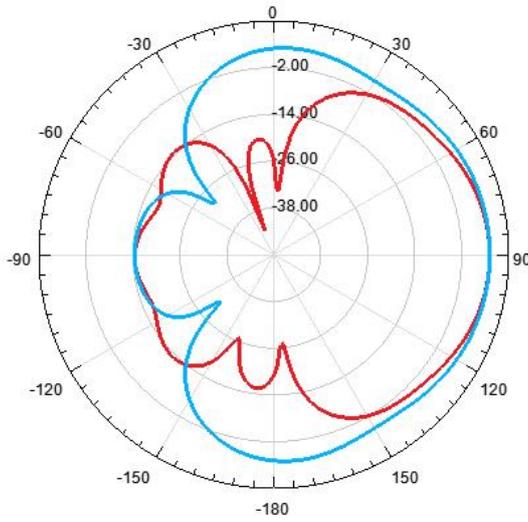
Curve Info	max	xdb10Beamwidth(3)
dB(GainTotal) ATK_Solution : SParam_Sweep Freq=0.3948242188GHz' Theta='90deg'	5.6677	74.8874
dB(GainTotal)_1 ATK_Solution : SParam_Sweep Freq=0.3948242188GHz' Phi='90deg'	5.6648	124.8666

Gain Plot 4



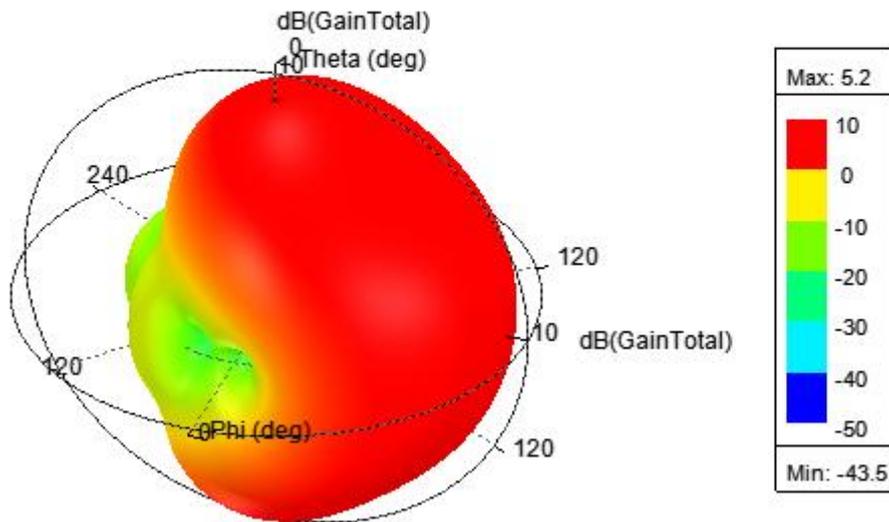
◇ 1GHz 天线增益、方向图：

Gain Plot 3

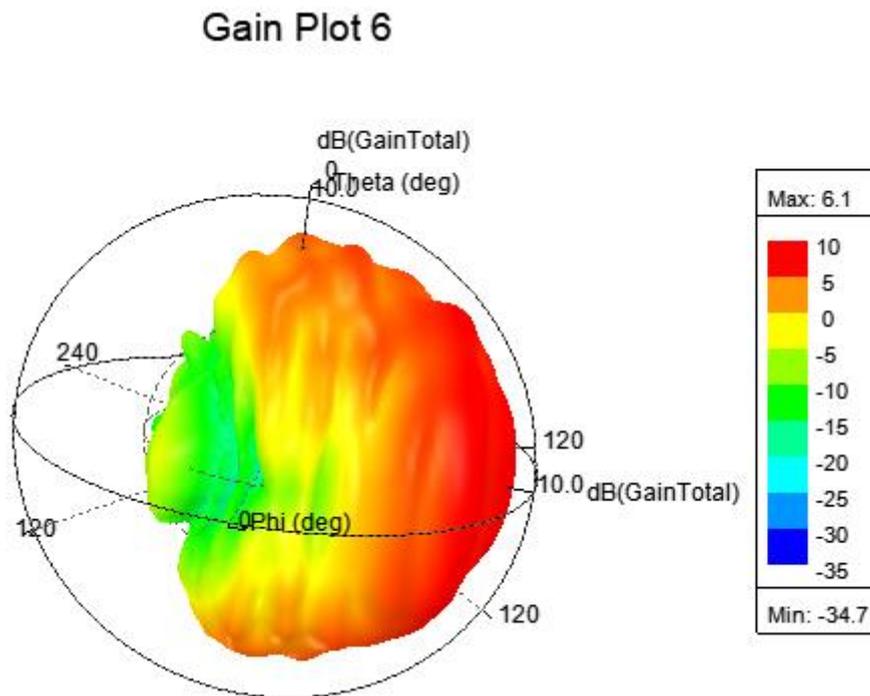
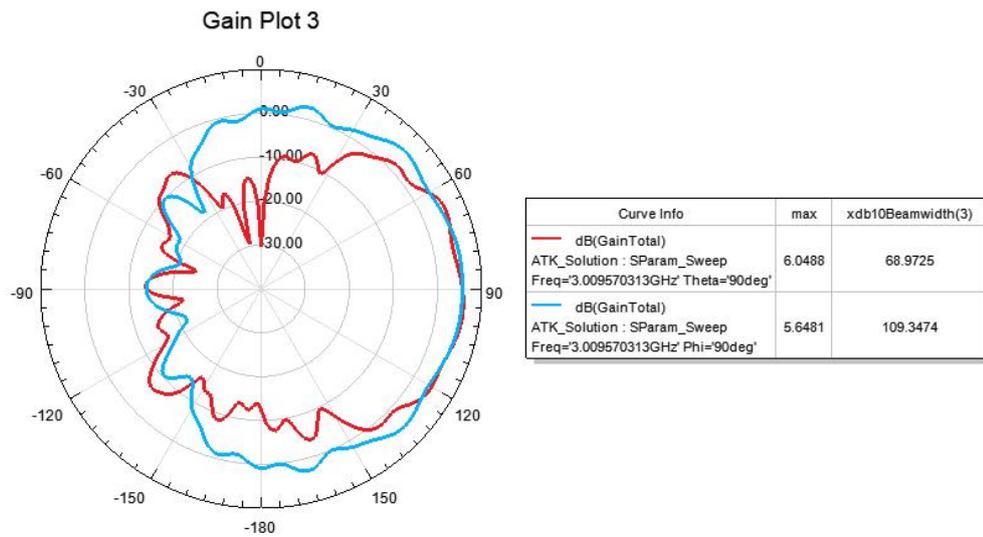


Curve Info	max	xdb10Beamwidth(3)
dB(GainTotal) ATK_Solution : SParam_Sweep Freq='1.007421875GHz' Theta='90deg'	5.1627	60.7765
dB(GainTotal) ATK_Solution : SParam_Sweep Freq='1.007421875GHz' Phi='90deg'	5.1627	92.8498

Gain Plot 4

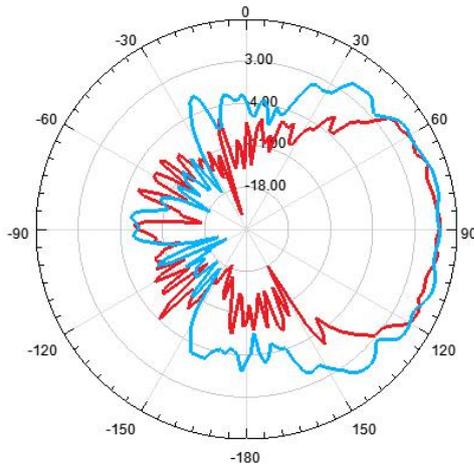


◇ 3GHz 天线增益、方向图：



◇ 6GHz 天线增益、方向图:

Gain Plot 3



Curve Info	max	xdb10Beamwidth(3)
dB(GainTotal) ATK_Solution : SParam_Sweep Freq=6.027734375GHz' Theta='90deg'	7.1922	72.5268
dB(GainTotal) ATK_Solution : SParam_Sweep Freq=6.027734375GHz' Phi='90deg'	7.6203	77.5922

Gain Plot 6

