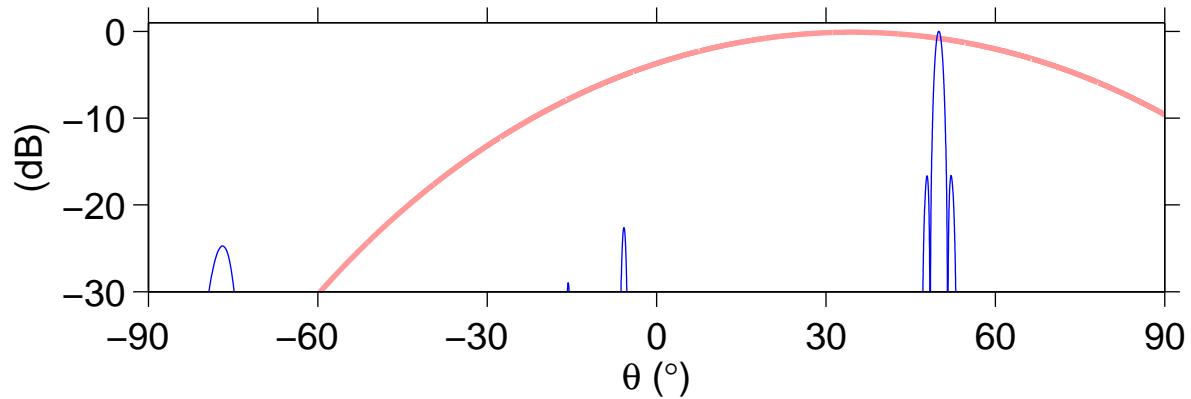
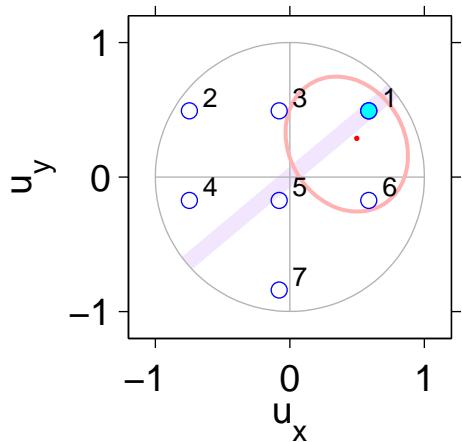


ARRAY MxMy=50×20 Dx=1.50 Dy=1.50 Steering $\delta x=316.9^\circ$ $\delta y=265.9^\circ$
 ELEMENT $\phi=30.0^\circ \theta=35.0^\circ w=63.2^\circ G=10.0 \text{ dBi} A_{\text{eff}}/A=0.30$
 BEAM 1 $\phi=40.0^\circ \theta=50.0^\circ w=1.31^\circ D_1=-0.8 \text{ dB} D_6=-2.2 \text{ Gref}=40.0 \text{ dBi}$
 GRATING [1] $\phi=40^\circ \theta=50^\circ G/\text{Gref}=-0.8 \text{ dB}$ [2] 147 63 -22.1
 [3] 99 30 -3.8 [4] -167 50 -23.2 [5] -115 11 -6.0
 [6] -17 38 -2.2 [7] -95 58 -21.4

Element gain and array factor in $\phi=40.0^\circ$ plane



Grating



Gain at $\phi=40.0^\circ \theta \approx 50.0^\circ$

