LCA image parameters:  $N_x$ =400,  $N_y$ =400,  $N_\beta$ =19,  $N_\phi$ =19, K=1  $\beta_{\text{upper bound}}$  $\phi = 0^{\circ}$  $\phi \in \pm \phi_{3\mathrm{dB}}$ 0 5 Image cuts -5 -10  $\Delta x_{\mathrm{ref}} = 21\mathrm{cm}$  $\frac{\Delta x}{\Delta x_{\text{ref}}} = 100\%$ = 100% $\pm 0.0$ Dvnamic Range [dBr] -15  $\phi_{\mathrm{upper\ bound}}(\beta)/\phi_{\mathrm{3dB}}(\beta)$ 19.5 -20  $\frac{\Delta x}{\Delta x_{\text{ref}}}$  $\frac{\Delta x}{\Delta x_{\text{ref}}}$  $\frac{\Delta x}{\Delta x_{\text{ref}}}$ 19.0 =73%=73%=73%19.5 [m] (range)  $\pm 0.5$ -25 -30  $\frac{\Delta x}{\Delta x_{\rm ref}} = 53\%$ 19.0  $\frac{\Delta x}{\Delta x_{\mathrm{ref}}}$ = 53% $\frac{\Delta x}{\Delta x_{\text{ref}}}$ = 53% $\pm 1.0$ -35 19.5  $\leq$  -40 -0.50.5 -0.50.0 0.5 -0.50.5 0.0 0.0 x (azimuth) [m]