LCA image parameters: N_x =100, N_y =100, N_β =19, N_ϕ =19, K=1 $\beta_{\text{upper bound}}$ $\phi = 0^{\circ}$ $\phi \in \pm \phi_{3dB}$ 0 5 Image cuts -5 -10 $\Delta x_{\rm ref} = 22 {\rm cm}$ = 100% $\frac{\Delta x}{\Delta x_{\text{ref}}} = 100\%$ ±0.0 Dynamic Range [dBr] -15 $\phi_{\mathrm{upper\ bound}}(\beta)/\phi_{\mathrm{3dB}}(\beta)$ 19.5 -20 $\frac{\Delta x}{\Delta x_{\text{ref}}}$ = 70% $\frac{\Delta x}{\Delta x_{\text{ref}}}$ =70% $\frac{\Delta x}{\Delta x_{\text{ref}}}$ 19.0 = 70%range) [m] ± 0.5 -25 -30 $\frac{\Delta x}{\Delta x_{\mathrm{ref}}}$ $\frac{\Delta x}{\Delta x_{\text{ref}}}$ 19.0 $\frac{\Delta x}{\Delta x_{\mathrm{ref}}}$ = 53%= 53%= 53% ± 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]