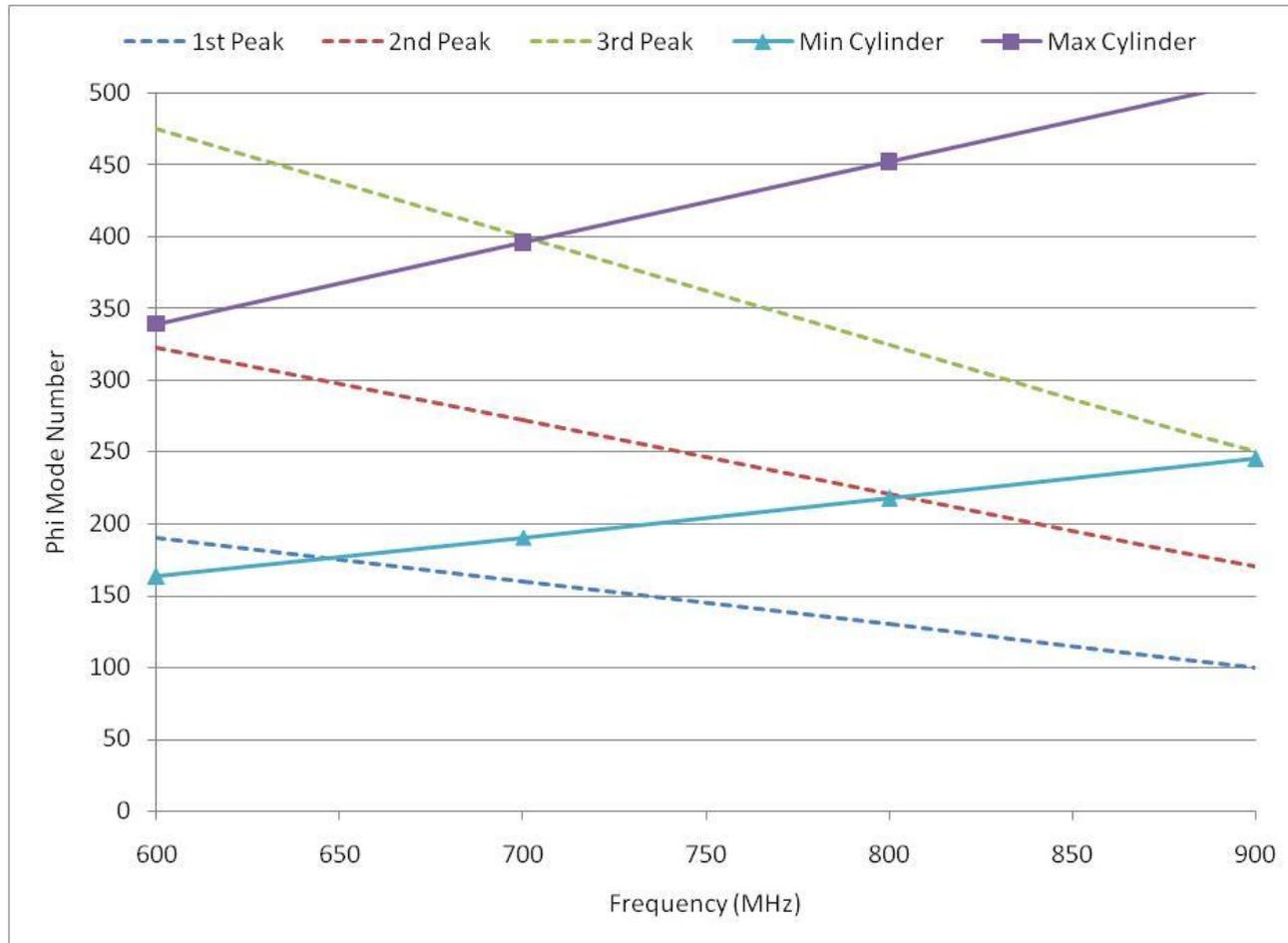
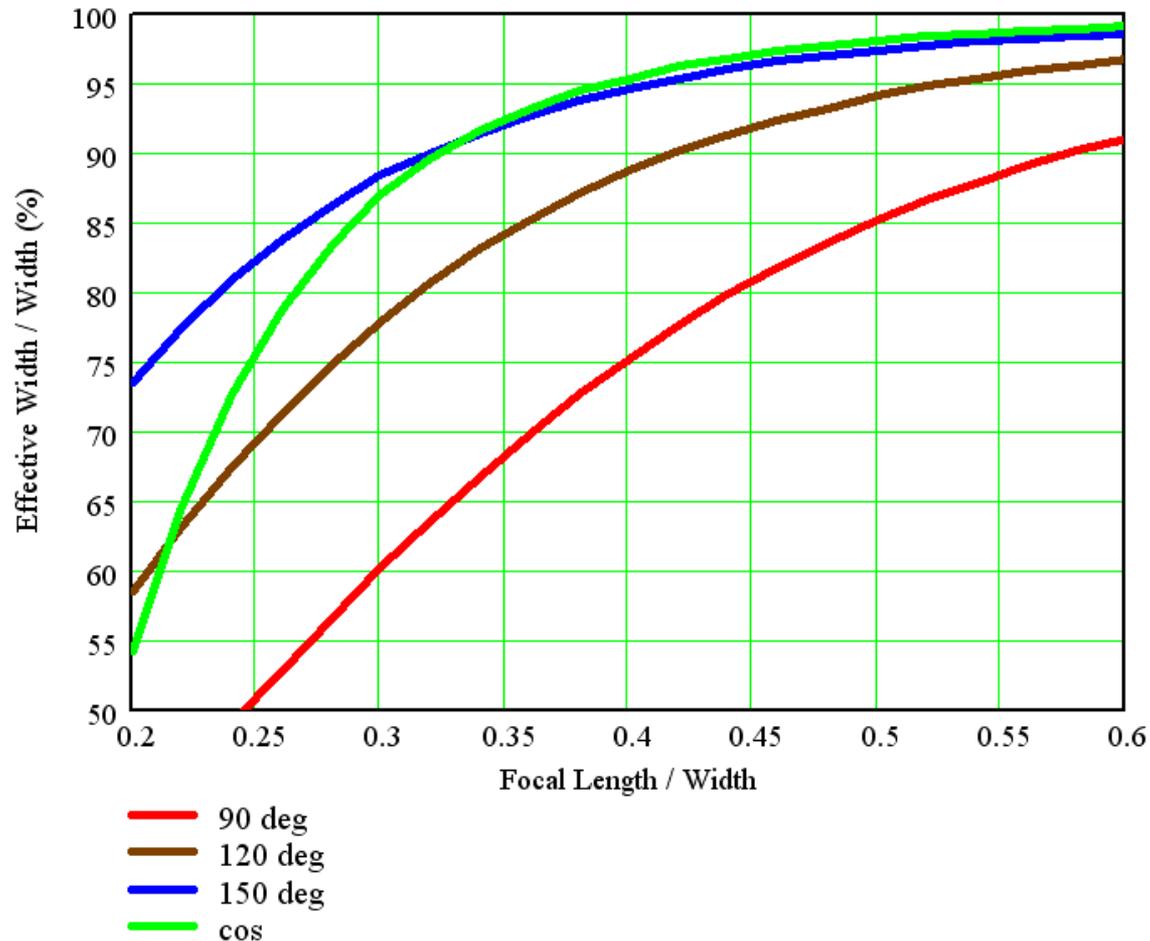


Mode Coverage for a Pair of 20 m wide Cylinders



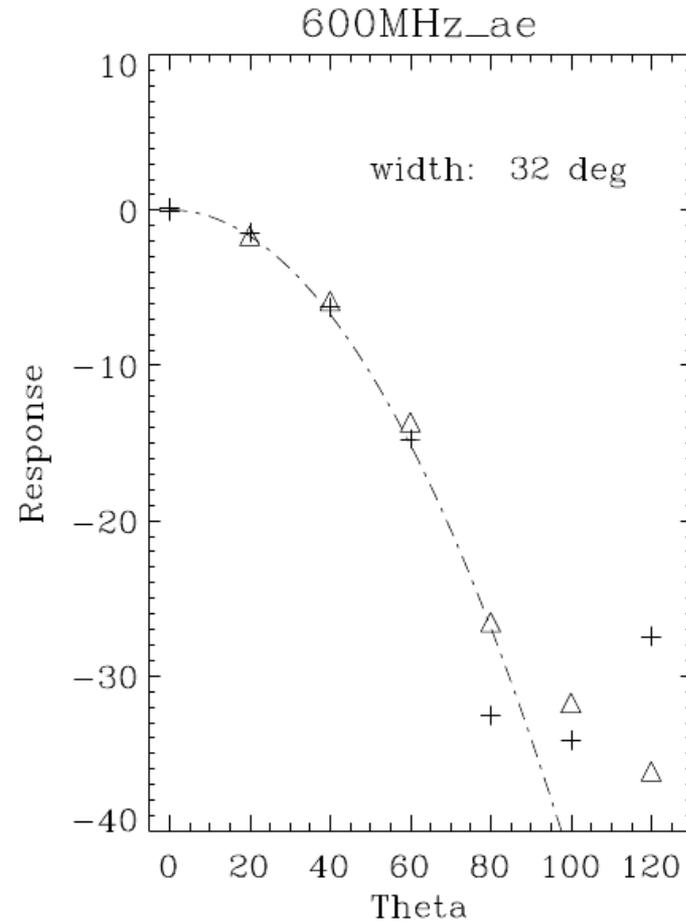
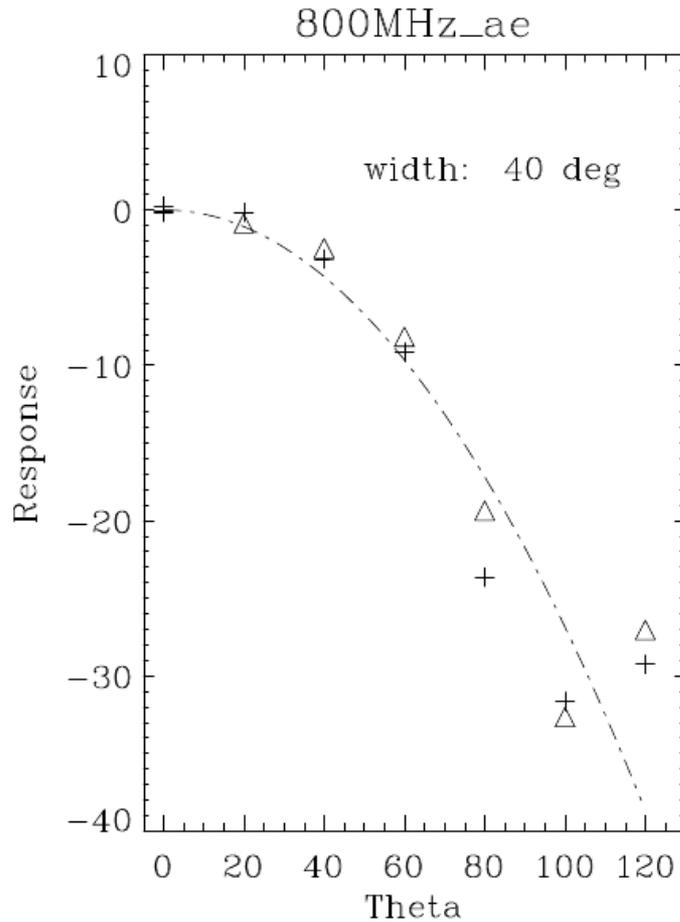
effective width = 70%

Effective Illumination Width of a 20 m Cylinder



Used gaussian feed patterns. The feed pattern for the red trace has a 10dB power full-width of 90 degrees. The brown trace has a power width of 120 degrees and the blue trace of 150 degrees. The green trace is a $\cos(\psi)$ pattern

UBC Four-Square Power Patterns



$$\Delta\phi_{10\text{dB full}} = 2.895 \Delta\phi_{3\text{dB half}}$$