



- 2D cross-section location
- Waveguide Core Region
- Core/Cladding Region Boundary

Much like the 2D setup, there exists b_x and b_y along their respective directions in this setup. These are set as $4/\gamma_x$ and $4/\gamma_y$ by default. 4 is used instead of 5 to conserve memory and decrease computation time. All the finer details in the 2D setup are present in this 3D setup, including source locations, port locations, effective lengths, CPML boundary, and PEC bounding box, but those details would obscure the core structure and major components of shape and dimension. The 2D cross-section shows where the 2D model can be used as a reference for the omitted details.