

Horn Antenna

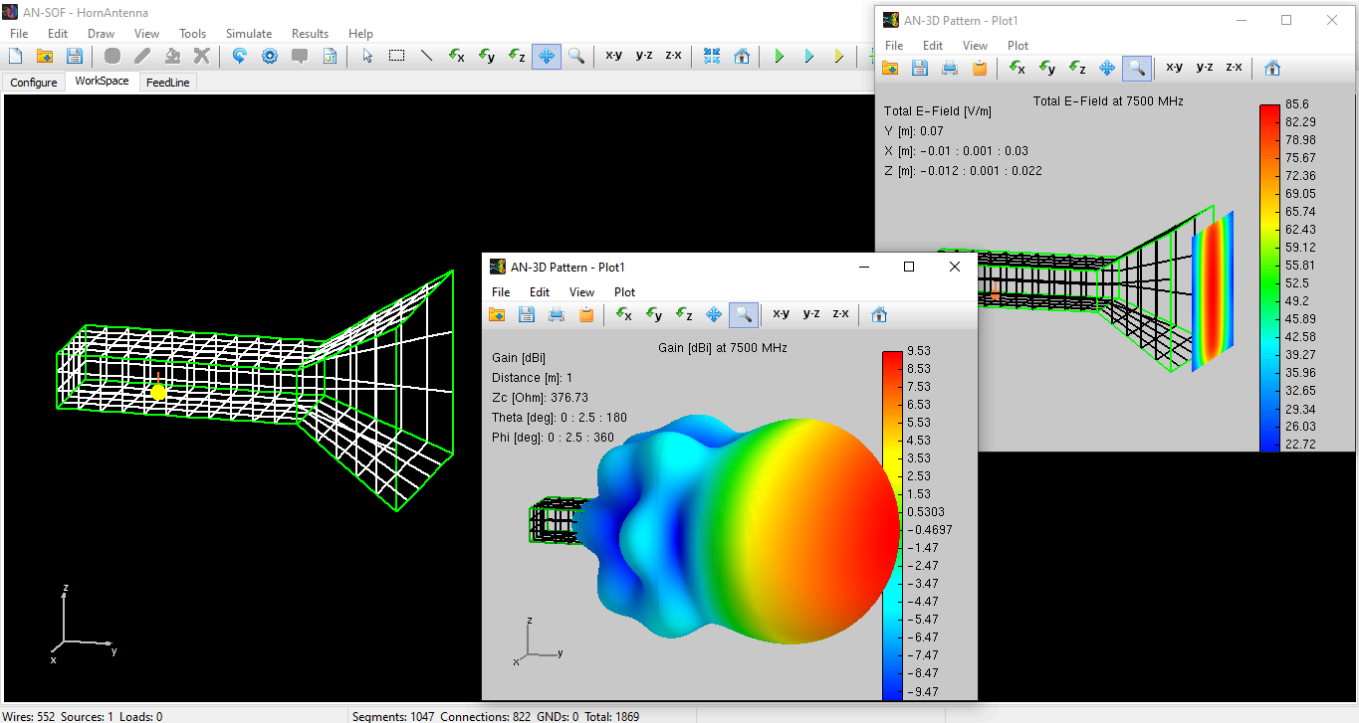
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Simulation of a horn antenna fed by a rectangular waveguide.

The holes size of the wire structure is about one-tenth of the wavelength (0.1λ), so this is enough to model a continuous metallic surface in this case.

The radiation pattern shows a main lobe pointing towards the horn axis (y-axis) as it is expected. The near-field modes of transmission can be seen by plotting the E- and H-field as color maps near the horn mouth.



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