

# Patch Antenna

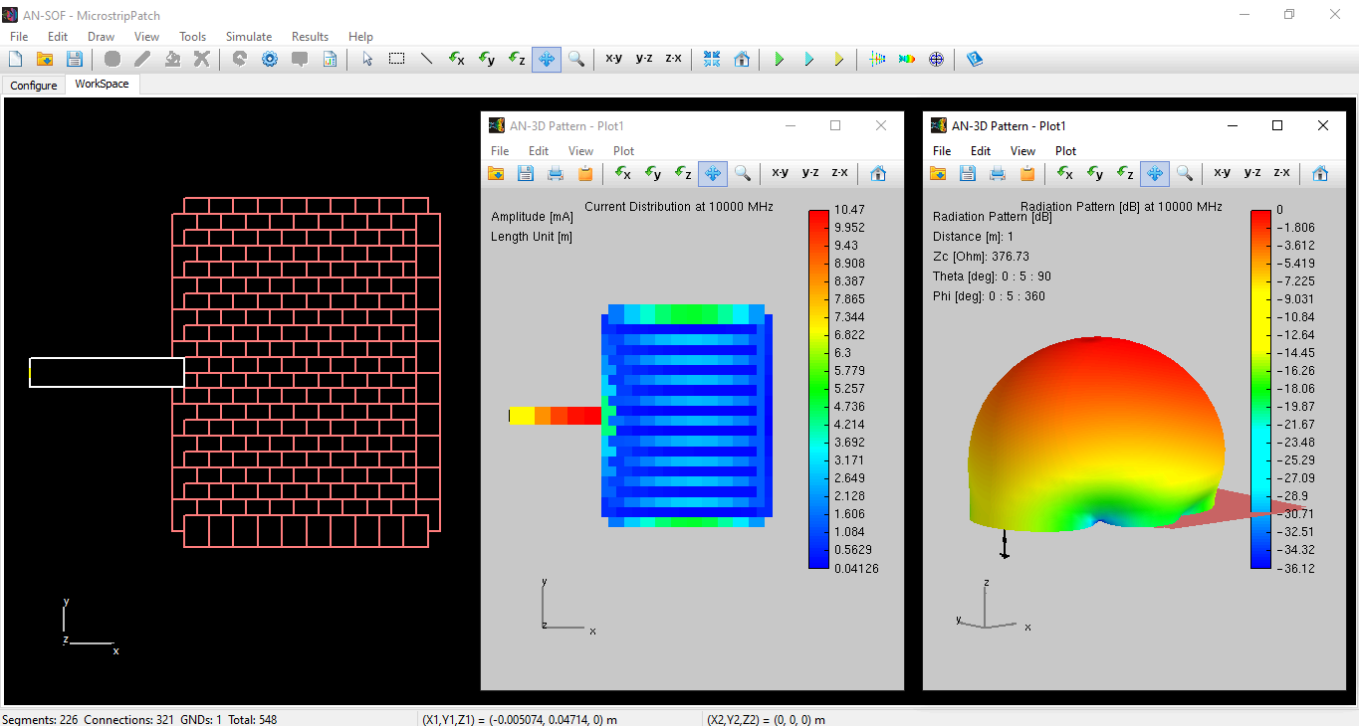
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Microstrip patch antenna over a dielectric substrate and backed by a perfect ground plane.

The patch is fed by a vertical bias between the ground plane and the plane above the substrate. A microstrip 1/4-wave transmission line is used to transmit power from the vertical bias to the patch.

A directional radiation pattern is obtained with a main lobe pointing towards the axis perpendicular to the plane of the antenna (z-axis).



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