

Slotted Waveguide ANTennas analysis and design - Design



SWAN About...

Licence Update

DESIGN PARAMETERS

Waveguides: Slots for waveguide:

Active Sect. Waveguide sections:

Excitation angle: Centre freq. (GHz):

Section Yin/G0: WGs spacing (mm):

Array type:

Array shape:

Lattice: WG Feed

Excitation point: Phase: 0 180

Slots (H-plane): SLR: n:

WGs (E-plane): SLR: n:

SLOT PARAMETERS

Slot file:

Centre frequency (GHz):

SIW Slot width (mm):

Slot thickness (mm):

Rounded edges radius (mm):

Waveguide width (mm):

Waveguide height (mm):

Waveguide thickness (mm):

Relative dielectric constant:

Radome thickness (mm):

Radome dielectric constant:

Internal e.m. engine

Theoretic

Parameters

Array Geometry

Array synthesis

Export layout (DXF)

Save synthesis

Save log file

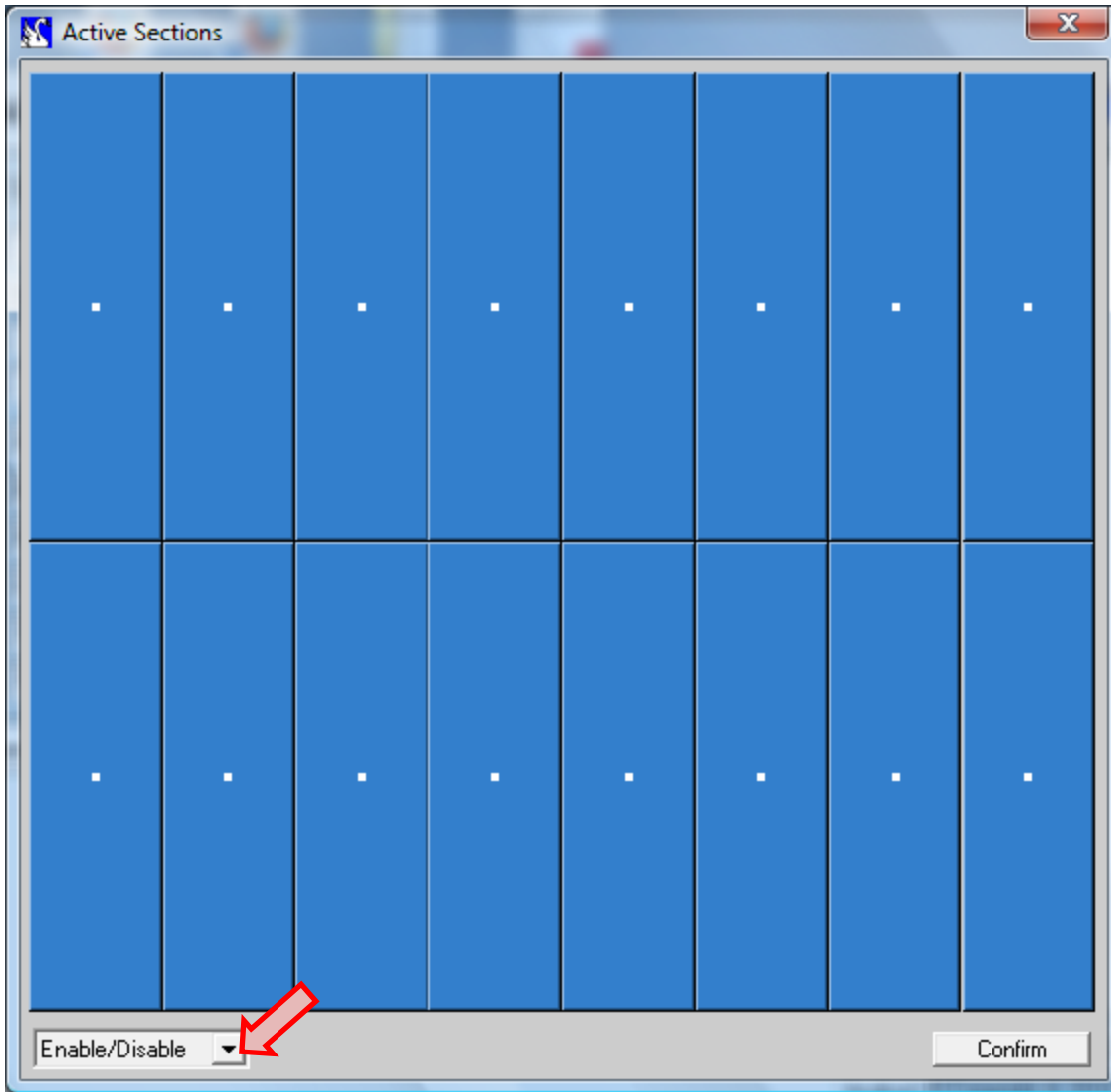
Visual Options

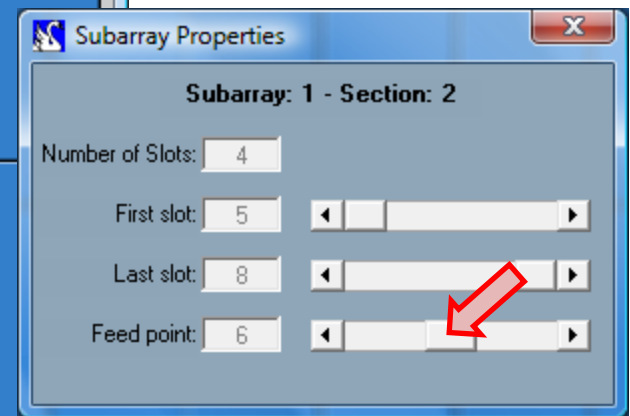
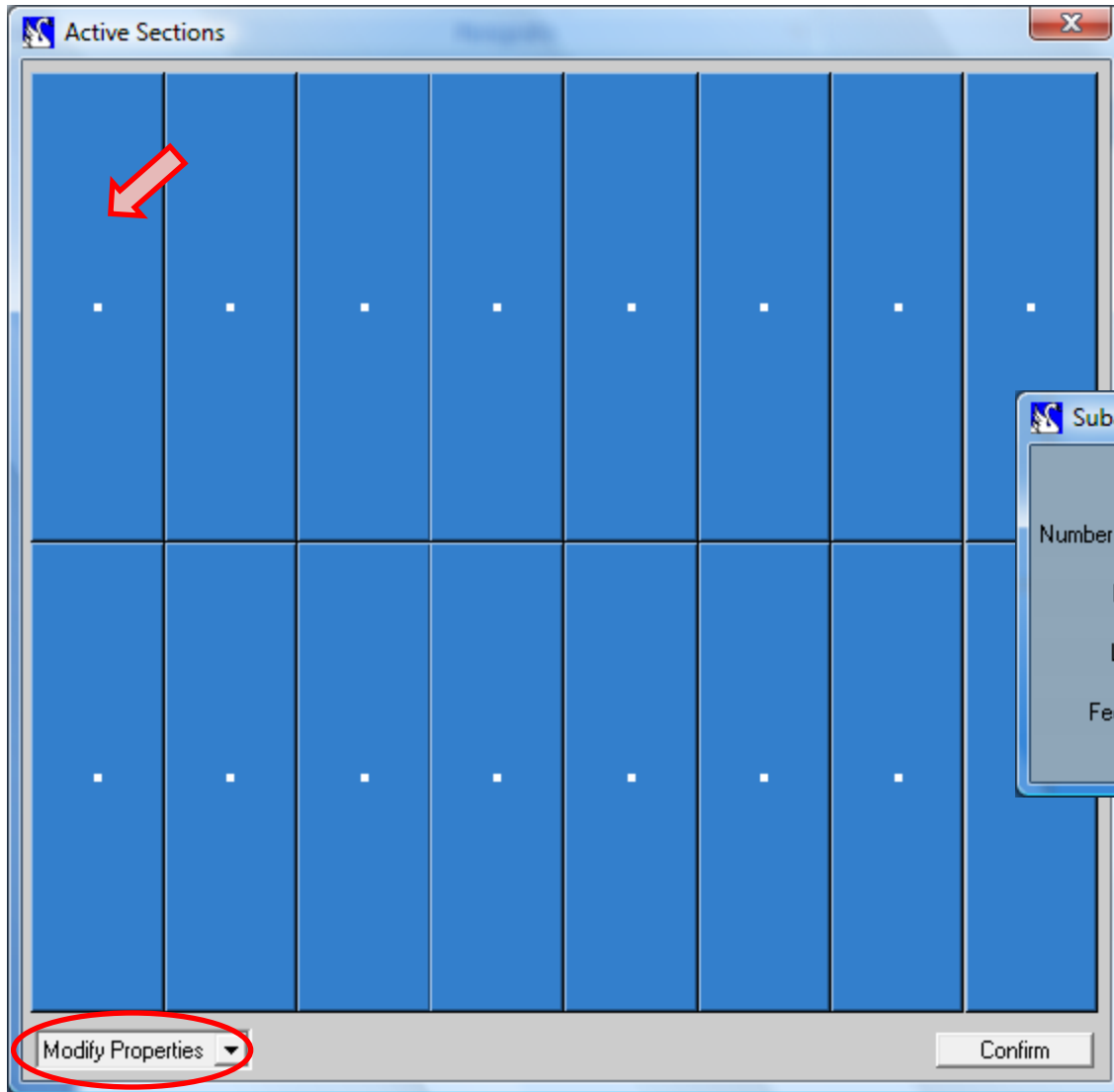
Analysis

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CLICK HERE









Active Sections

Enable/Disable

The image shows a software window titled "Active Sections" with a close button (X) in the top right corner. The main area contains a 2x8 grid of blue rectangular cells. Each cell contains a small white square centered within it. At the bottom of the window, there is a control bar with a dropdown menu labeled "Enable/Disable" and a button labeled "Confirm".