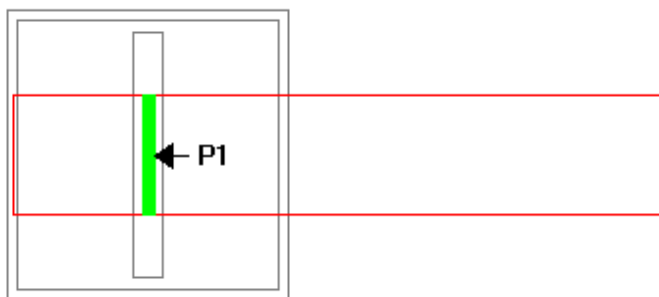
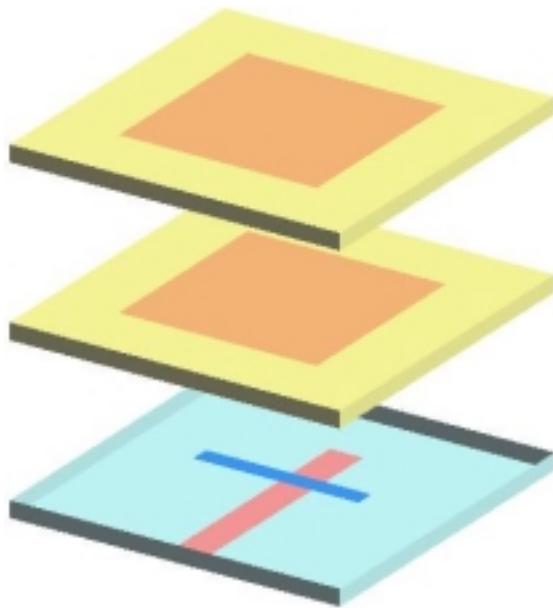


## Aperture-Coupled Stacked Microstrip Antennas

### Parameters:

Top Patch: 3.8 x 3.8mm  
Top Substrate:  $h = 1\text{mm}$ ,  $\epsilon_r = 2.2$   
Bottom Patch: 3.5 x 3.5mm  
Bottom Substrate:  $h = 0.5\text{mm}$ ,  $\epsilon_r = 2.2$   
Ground Slot: 3.2 x 0.4mm  
Feeding Substrate:  $h = 0.508\text{mm}$ ,  $\epsilon_r = 2.2$   
Frequency: 16-26GHz  
Sampling rate: 20 for regular regions, 20 for discontinuities



### Literature:

Croq and Pozar, "Millimeter-Wave Design of Wide-Band Aperture-Coupled Stacked Microstrip Antennas", IEEE Trans. AP, Vol.39, No.12, Dec 91, p.1770-1776.

Results:

