

Investigation of various H-shaped antennas with an ATLM field-solver

S. Lindenmeier, B. Bader and P. Russer. "Investigation of various H-shaped antennas with an ATLM field-solver." 1997 MTT-S International Microwave Symposium Digest 3. (1997 Vol. III [MWSYM]): 1365-1368.

In this contribution we investigate two variations of H-shaped planar antennas by using an ATLM field solver. The antennas are coupled in a different way to a microstrip feedline. The coupling is done alternatively by an aperture slot and a viahole. Using the ATLM method for antenna design, structures with finite metalization thickness and viaholes are modeled as easily as strictly planar structures. The calculated S-parameters of the antenna structures are compared to measured results.

 [Return to main document.](#)