

Generation and Observation of Surface Waves on Dielectric Slabs and Coplanar Structures

E.M. Godshalk. "Generation and Observation of Surface Waves on Dielectric Slabs and Coplanar Structures." 1993 MTT-S International Microwave Symposium Digest 93.2 (1993 Vol. II [MWSYM]): 923-926.

Surface waves have been transmitted and received in dielectric slabs using microwave and millimeter wave wafer probes. Experimental results suggest that the TE/sub 0/ and TM/sub 0/ surface waves have been measured. Coupling between the coplanar waveguide mode and surface wave modes has also been achieved experimentally. This coupling is primarily due to the TM/sub 0/ and TE/sub 1/ modes that propagate beyond the ground plane edges of the coplanar waveguide.

 [Return to main document.](#)