

# Abstracts

## Propagating Modes Along a Thin Wire Located Near a Grounded Dielectric Slab (1977 [MWSYM])

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*E.F. Kuester and D.C. Chang. "Propagating Modes Along a Thin Wire Located Near a Grounded Dielectric Slab (1977 [MWSYM])." 1977 MTT-S International Microwave Symposium Digest 77.1 (1977 [MWSYM]): 453-455.*

The mode supported by a wire located parallel to a grounded dielectric slab are investigated. While at low frequencies, a "quasi-TEM" behavior is exhibited, it is shown numerically that under certain conditions, a very different "surface-attached" character appears. These results indicate the possibility of similar behavior occurring in the related configuration of open microstrip.

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