

# Abstracts

## Slotted Line Measurements for Propagation Constant in Lossy Waveguide (Short Papers)

---

*F.E. Gardiol. "Slotted Line Measurements for Propagation Constant in Lossy Waveguide (Short Papers)." 1975 Transactions on Microwave Theory and Techniques 23.3 (Mar. 1975 [T-MTT]): 317-319.*

The propagation coefficient in a slotted waveguide partially loaded with a lossy dielectric can be determined accurately, in terms of the measured standing-wave pattern, by means of a computer program solving a set of transcendental equations. This determination is a necessary step in a permittivity measurement technique which was recently proposed by several authors.

[Return to main document.](#)