

# Abstracts

## Resonant Modes in Waveguide Windows

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*M.P. Forrer and E.T. Jaynes. "Resonant Modes in Waveguide Windows." 1960 *Transactions on Microwave Theory and Techniques* 8.2 (Mar. 1960 [T-MTT]): 147-150.*

Analysis and experimental verification of a class of resonant fields, called ghost-modes, occurring in waveguide dielectric windows are presented. Numerical solutions for a simple geometry are given through universal curves. Knowledge about ghost-modes has importance to designers of high-power windows. It also leads to a measuring technique for dielectric constants through a frequency measurement.

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