

# Abstracts

## Excess Losses in H-Plane Loaded Waveguides

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*F.E. Gardiol and O. Parriaux. "Excess Losses in H-Plane Loaded Waveguides." 1973 Transactions on Microwave Theory and Techniques 21.7 (Jul. 1973 [T-MTT]): 457-461.*

The attenuation in a waveguide partially filled with absorbing material can become larger than that of the same waveguide completely filled with that same material. Theoretical and experimental results are presented together with field distributions showing that this excess loss is due to a large concentration of electric field within the lossy dielectric in the partially filled configuration.

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