# Abstracts

## FDTD analysis of submillimeter-wave CPW with finite-width ground metallization

*Ngoc-Hoa Huynh and W. Heinrich. "FDTD analysis of submillimeter-wave CPW with finite-width ground metallization." 1997 Microwave and Guided Wave Letters 7.12 (Dec. 1997 [MGWL]): 414-416.*

The dispersion and attenuation characteristics of conductor-backed coplanar transmission lines with finite-width ground metallizations are studied in the frequency range up to 1 THz. The finite-difference time-domain (FDTD) method is used for analysis. Open boundaries are described by means of Berenger's perfectly matched layer. The results are compared to electrooptic measurements. They show that introducing ground metallizations of finite width causes distinct changes in attenuation and dispersion characteristics.

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