

# Abstracts

## Resonance phenomena and power loss in conductor-backed coplanar structures

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*W.H. Haydl. "Resonance phenomena and power loss in conductor-backed coplanar structures." 2000 Microwave and Guided Wave Letters 10.12 (Dec. 2000 [MGWL]): 514-516.*

Resonances and associated power loss which occur in conductor backed coplanar transmission lines (CPWs) at selected frequencies have been investigated by experiment and by three-dimensional (3-D) EM simulations from 1 to 230 GHz. It is found that a substantial part of the incident power is lost by reflection and radiation. The resonance frequencies are predictable by patch antenna theory.

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