

# Abstracts

## Properties of CPW in the sub-mm wave range and its potential to radiate

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*J. Zehentner and J. Machac. "Properties of CPW in the sub-mm wave range and its potential to radiate." 2000 MTT-S International Microwave Symposium Digest 00.2 (2000 Vol. II [MWSYM]): 1061-1064.*

In this paper we present the results of an investigation of possible leaky waves that may occur on the CPW up to 700 GHz. The upper cutoff frequency up to which CPW transmits only the bound wave is introduced for a wide range of line cross-sectional dimensions and substrate permittivities. We report the first theoretical identification of space leaky waves on the CPW and its potential to radiate.

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