

Abstracts

Dielectric Antennas for Millimeter-Wave Applications

S. Kobayashi, R. Lampe, N. Deo and R. Mittra. "Dielectric Antennas for Millimeter-Wave Applications." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 566-568.

A systematic study of traveling wave dielectric-rod antennas of different types is described. Development of design for several leaky-wave antennas is presented together with experimental results. Existence of surface-wave radiation in end-fire direction is exhibited and methods to suppress it are discussed.

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