

Abstracts

Rapid Pulsed Microwave Propagation

G.C. Giakos and T.K. Ishii. "Rapid Pulsed Microwave Propagation." 1991 Microwave and Guided Wave Letters 1.12 (Dec. 1991 [MGWL]): 374-375.

Transit time measurements of the leading edge of pulse modulated microwaves in open space and inside a rectangular waveguide have been performed. Both measurements show that a part of the energy associated with the leading edge of the pulse propagates with the phase velocity. Calibration techniques and repeated measurements confirm this phenomenon.

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