Abstracts

Millimeter-Wave Time-Resolved Measurement Near a Discontinuity: Separating Temporally Overlapped Incident and Reflected Signals

S.A. Shah, A. Zeng, W.S. Wong, M.K. Jackson, L. Pouliot, A. Lecours and J.F. Currie. "Millimeter-Wave Time-Resolved Measurement Near a Discontinuity: Separating Temporally Overlapped Incident and Reflected Signals." 1996 Microwave and Guided Wave Letters 6.2 (Feb. 1996 [MGWL]): 79-81.

We report a new measurement approach to recover temporally overlapping incident and reflected signals near a discontinuity using time-resolved electrooptic sampling. The technique involves measurement at two closely spaced locations and enables decomposition of the measured waveforms into components propagating toward and away from a discontinuity. We show experimental results for a simple coplanar structure.

❑ Return to main document.