

Abstracts

Calibrating electro-optic sampling systems

D.F. Williams, P.D. Hale, T.S. Clement and J.M. Morgan. "Calibrating electro-optic sampling systems." 2001 MTT-S International Microwave Symposium Digest 01.3 (2001 Vol. III [MWSYM]): 1527-1530 vol.3.

We apply frequency-domain impedance mismatch corrections to a temporal electro-optic sampling system and use it to characterize the magnitude and phase response of a photoreceiver that is physically far removed from the point where the voltage waveforms are measured. We identify and evaluate additional sources of measurement uncertainty.

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