

Abstracts

A bilateral lightwave network analyzer-architecture and calibration

B. Elamarn, R.D. Pollard and S. Iezekiel. "A bilateral lightwave network analyzer-architecture and calibration." 2000 Transactions on Microwave Theory and Techniques 48.12 (Dec. 2000 [T-MTT] (Special Issue on 2000 International Microwave Symposium)): 2630-2636.

The first bilateral lightwave network analyzer (BLNA) architecture that is capable of two-port S-parameter measurements is reported in this paper. A combined two-tier calibration is proposed and implemented for electrooptic and optoelectronic measurements. Calibrated measurement results showing the good performance of the BLNA for all types of lightwave components are also presented.

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