

Abstracts

A Millimeter-Wave Vector Network Analyzer

J.V. Bellantoni, G.C. Dalman and R.C. Compton. "A Millimeter-Wave Vector Network Analyzer." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 747-750.

A network analyzer for making accurate measurements in the 75-110 GHz band will be presented. The analyzer design is a novel variation on the six-port principle, and can be implemented at relatively low-cost. A 27-40 GHz prototype operating as a reflectometer will be demonstrated. Calibrations and measurements are performed interactively with the aid a Macintosh II equipped with a high resolution color display.

[Return to main document.](#)