

Abstracts

A Second Generation Dual Six-Port Network Analyser

S.K. Judah and A.S. Wright. "A Second Generation Dual Six-Port Network Analyser." 1988 *MTT-S International Microwave Symposium Digest 88.1* (1988 Vol. 1 [MWSYM]): 295-296.

A new technique in dual six-port reflectometry is proposed. This new technique is known as Biphase-Bimodulation and eliminates mechanically precise phase shifters and attenuators; a requirement of current designs. Calibration is simple, requiring only five standards in a Thru-Delay and Match technique. This new reflectometer system promises measurement performance approaching that of heterodyne analysers though at a much reduced hardware cost.

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