

A Dual Six-Port Automatic Network Analyzer and its Performance Tests

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A computer controlled six-port ANA (Automatic Network Analyzer) capable of measuring complex reflection coefficients of one-port devices, effective efficiencies of power sensors, and S-parameters of two-port devices over 2-18 GHz is described. System calibration, based on the TRL technique is discussed and performance tests on measuring reflection coefficient and S-parameters are summarized.

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