

Abstracts

Computer-Aided Determination of Resonator Characteristics Based on Expansion in Normal Modes and Using Automatic Network Analyser Data

D.W. Griffin. "Computer-Aided Determination of Resonator Characteristics Based on Expansion in Normal Modes and Using Automatic Network Analyser Data." 1982 MTT-S International Microwave Symposium Digest 82.1 (1982 [MWSYM]): 331-333.

Errors that are likely to arise in determining resonator characteristics by simple equivalent circuit interpretation of measured input impedance data are explained. A method based on expansion in normal modes and involving computer aided analysis of data gathered with an automatic network analyser is explained by reference to experimental evaluation of microstrip-type rectangular patch antenna element characteristics.

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