

Abstracts

Impedance Measurement in Frequency-Halving Networks Using a Two-Frequency Synthetic Loading Technique

R.G. Harrison and G.A. Kalivas. "Impedance Measurement in Frequency-Halving Networks Using a Two-Frequency Synthetic Loading Technique." 1984 Transactions on Microwave Theory and Techniques 32.12 (Dec. 1984 [T-MTT] (1984 Symposium Issue)): 1591-1597.

A technique is described which removes a major difficulty in the design of wide-band frequency-halving networks: the accurate characterization of the "pumped" input output impedances at the plane of the varactors. The procedure permits the use of realistic input, output power levels with the input at twice the output frequency.

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