

Abstracts

Design, Implementation, and Performance Analysis of a Broad-Band V-Band Network Analyzer (Short Papers)

L.T. Yuan, G.M. Yamaguchi and J.E. Raue. "Design, Implementation, and Performance Analysis of a Broad-Band V-Band Network Analyzer (Short Papers)." 1976 Transactions on Microwave Theory and Techniques 24.12 (Dec. 1976 [T-MTT] (1976 Symposium Issue)): 981-987.

A novel V-band network analyzer has been developed for circuit and/or device characterization in the 55-65-GHz frequency range. Swept frequency techniques are utilized to simplify device design and network analysis over a wide range of operating frequencies. The design, fabrication, and performance of the unit is presented along with an error analysis for verification of measurement accuracies.

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