

# Abstracts

## Errors in $S_{11}$ Measurements Due to the Residual Standing-Wave Ratio of the Measuring Equipment

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*R.V. Garver, D.E. Bergfried, S.J. Raff and B.O. Weinschel. "Errors in  $S_{11}$  Measurements Due to the Residual Standing-Wave Ratio of the Measuring Equipment." 1972 Transactions on Microwave Theory and Techniques 20.1 (Jan. 1972 [T-MTT] (Special Issue on Automated Microwave Measurements)): 61-69.*

Errors in measurement of  $S_{11}$  due to the residual SWR of the slotted line or directional coupler are calculated using admittance considerations. This more complete treatment produces, for some practical conditions, major differences from prior references for phase errors.

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