

Abstracts

A Simple Method for Measuring the Phase Shift and Attenuation through Active Microwave Networks (Correspondence)

*J.R. Alday. "A Simple Method for Measuring the Phase Shift and Attenuation through Active Microwave Networks (Correspondence)." 1962 *Transactions on Microwave Theory and Techniques* 10.2 (Mar. 1962 [T-MTT]): 143-143.*

Most methods used to measure the phase shift and attenuation through a microwave network require that the network be matched to the waveguide or the VSWR must be measured. In passive networks, these are simple and straightforward operations. However, in some active networks, principally networks which are time/temperature dependent, these operations become very tedious and time consuming. The method illustrated here can measure the phase shift and attenuation simultaneously, directly, independently, eliminates the inconvenience of measuring the VSWR, or matching the network to the waveguide and consists of generally available microwave equipment.

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