

# Abstracts

## The Available Power of a Matched Generator from the Measured Load Power in the Presence of Small Dissipation and Mismatch of the Connecting Network (Correspondence)

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*L.O. Sweet and M. Sucher. "The Available Power of a Matched Generator from the Measured Load Power in the Presence of Small Dissipation and Mismatch of the Connecting Network (Correspondence)." 1957 Transactions on Microwave Theory and Techniques 5.2 (Apr. 1957 [T-MTT]): 167-168.*

It is sometimes necessary to determine the available power of a matched generator in terms of the power dissipated in a load when the load is connected to the generator by means of a slightly mismatched 4-pole having small loss. (A piece of waveguide or short length of coaxial line could exemplify such a 4-pole; the discontinuities at flanges or at connectors and supporting beads could give rise to the slight mismatch.)

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