

Abstracts

The Simultaneous Measurement of Gain and Noise Using Only Noise Generators

J.M. Kenney. "The Simultaneous Measurement of Gain and Noise Using Only Noise Generators." 1968 Transactions on Microwave Theory and Techniques 16.9 (Sep. 1968 [T-MTT] (Special Issue on Noise)): 603-607.

The gain and noise of a linear two-port device can be measured simultaneously using two noise generators as the only signal sources. While this method is usable for measuring all linear two-port devices except those with high loss, it is particularly convenient for low-gain devices, for which it replaces three conventional measurements. The terms "minimum output temperature" and "standard output temperature" are introduced.

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