

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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