

Abstracts

A New Method for Determination of Single Sideband Noise Figure (1994 Vol. III [MWSYM])

C.E. Collins, R. Dildine, R.D. Pollard and R.E. Miles. "A New Method for Determination of Single Sideband Noise Figure (1994 Vol. III [MWSYM])." 1994 MTT-S International Microwave Symposium Digest 94.3 (1994 Vol. III [MWSYM]): 1357-1360.

A new method for determining mathematically the single sideband noise figure of a device from double sideband measurements is presented. This method eliminates the need for tunable filters and so will greatly reduce the complexity and cost of performing accurate noise figure measurements. Results obtained for test devices with frequency dependant noise figures are presented and compared to the equivalent double sideband measurements.

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