

Abstracts

Measurement of AM Noise in Pulsed Oscillators and Amplifiers

P.A. Levine. "Measurement of AM Noise in Pulsed Oscillators and Amplifiers." 1970 Transactions on Microwave Theory and Techniques 18.10 (Oct. 1970 [T-MTT]): 712-715.

The noise properties of amplifiers and oscillators are critical in systems applications. This paper describes a system for the measurement of AM noise in amplifiers and oscillators pulsed on for durations on the order of a microsecond or less. Such a system is useful in measuring AM noise in pulsed solid-state microwave devices such as avalanche- and Gunn-diode simplifiers and oscillators, where heat-dissipation limitations sometimes make continuous operation impossible.

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