

Abstracts

Loop-Gain Measurement and Feedback Oscillator Design

B. Meskoob and S. Prasad. "Loop-Gain Measurement and Feedback Oscillator Design." 1992 Microwave and Guided Wave Letters 2.9 (Sep. 1992 [MGWL]): 375-377.

The feasibility of a technique for the design of feedback oscillators is reported. An intermediate step is presented during which the loop gain of oscillators can be measured and tuned. Results for an oscillator operating at 6 GHz demonstrate that the output frequency and power of feedback oscillators can be predicted with sufficient accuracy using small signal loop-gain measurements together with an empirical equation given by Johnson.

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