

Abstracts

Phase Noise Reduction in FET Oscillators by Low-Frequency Loading and Feedback Circuitry Optimization (Short Papers)

M. Prigent and J. Obregon. "Phase Noise Reduction in FET Oscillators by Low-Frequency Loading and Feedback Circuitry Optimization (Short Papers)." 1987 Transactions on Microwave Theory and Techniques 35.3 (Mar. 1987 [T-MTT]): 349-352.

Optimization of low-frequency loading allows reduction of $1/f$ converted noise in FET oscillators. Moreover, an appropriate low-frequency feedback between drain and gate gives an improvement over previous results. This improvement is explained by taking into account the properties of the noise autocorrelation function.

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