

Abstracts

Analysis of Noise Upconversion in Microwave FET Oscillators

H.J. Siweris and B. Schiek. "Analysis of Noise Upconversion in Microwave FET Oscillators." 1985 Transactions on Microwave Theory and Techniques 33.3 (Mar. 1985 [T-MTT]): 233-242.

The upconversion of low-frequency noise in microwave FET oscillators is investigated. The theoretical analysis is presented in two forms, a general and a simplified one. The latter version yields closed-form expressions for amplitude and phase noise, which are discussed wth regard to the physics of the upconversion process. Application of the method is demonstrated with an example.

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