

Phase Noise Reduction of Microwave Oscillators by Optimization of the Dynamic Behaviour

V. Gungerich, J. Deuringer, W. Anzill and P. Russer. "Phase Noise Reduction of Microwave Oscillators by Optimization of the Dynamic Behaviour." 1994 MTT-S International Microwave Symposium Digest 94.2 (1994 Vol. II [MWSYM]): 953-956.

The influence of the limitation mechanism of the active device on the oscillators phase noise is investigated. Numerical calculations and measured data shows that additional to the output power the limitation mechanism of the steady state should be considered for low noise oscillator design and agree within the accuracy of measurements.

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