

Abstracts

Full Nonlinear Noise Analysis of Microwave Mixers

V. Rizzoli, D. Masotti and F. Matri. "Full Nonlinear Noise Analysis of Microwave Mixers." 1994 MTT-S International Microwave Symposium Digest 94.2 (1994 Vol. II [MWSYM]): 961-964.

The near-carrier noise of the output (up- or down-converted) signal of a microwave mixer is computed by a novel numerical technique. The analysis extends the conversion-matrix method to deal with a quasi-periodic steady state. The internally generated noise and the noise injected by the LO and RF sources are taken into account.

 [Return to main document.](#)

Click on title for a complete paper.