

# Abstracts

## FET Upconverter Design Using Load Dependent Mixing Transconductance

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*J.L.M. Lord and J.L. Fikart. "FET Upconverter Design Using Load Dependent Mixing Transconductance." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 1089-1092.*

A novel FET upconverter design procedure using load dependent mixing transconductance in the FET equivalent circuit has been developed. It optimizes the drain network for acceptable match at the selected sideband and desired LO rejection while avoiding impedance values in the LO frequency range which would otherwise cause severe degradation in conversion loss.

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