

Abstracts

Design of Low Conversion Losses Cold FET Mixers by Statistical Optimization of High Order Sidebands Loading

J.F. Villemazet, M. Camiade and J. Obregon. "Design of Low Conversion Losses Cold FET Mixers by Statistical Optimization of High Order Sidebands Loading." 1993 MTT-S International Microwave Symposium Digest 93.2 (1993 Vol. II [MWSYM]): 1029-1032.

This paper proposes a new statistical approach allowing to define design rules of low conversion losses cold FET mixers. Applying these rules, an experimental mixer gives 4 dB intrinsic conversion losses at 7.5 GHz LO frequency with 10.5 dBm power and 10 MHz IF frequency.

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