Abstracts

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

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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