

Abstracts

Improving balanced frequency doublers through a design approach insensitive to residual asymmetries

I. Schmale and G. Kompa. "Improving balanced frequency doublers through a design approach insensitive to residual asymmetries." 1999 MTT-S International Microwave Symposium Digest 99.2 (1999 Vol. II [MWSYM]): 733-736 vol.2.

The sensitivity of the fundamental suppression in balanced frequency doublers towards asymmetries in input power or in transistor threshold voltage is analysed. A new compensating mechanism is presented, reducing these sensitivities, in order to minimise fundamental leakage.

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