

Abstracts

Maximum Efficiency Tuning of Microwave Amplifiers

L.C. Hall and R.J. Trew. "Maximum Efficiency Tuning of Microwave Amplifiers." 1991 MTT-S International Microwave Symposium Digest 91.1 (1991 Vol. I [MWSYM]): 123-126.

Maximum efficiency tuning conditions for a microwave power amplifier are determined by a statistical impedance matching method. A physics-based MESFET simulator is used to predict optimum device performance. Sensitivity of efficiency to variations in source harmonic impedance matching is described and shown to be significant.

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