

Abstracts

Optimizing the Power-Added Efficiency of a Class B GaAs FET Amplifier

S.R. Lesage, J.A. Detra and J.B. Beyer. "Optimizing the Power-Added Efficiency of a Class B GaAs FET Amplifier." 1988 MTT-S International Microwave Symposium Digest 88.1 (1988 Vol. I [MWSYM]): 339-342.

The paper reports on a design routine which optimizes the power-added efficiency of a Class B microwave amplifier stage. Experimental results at 4.4 GHz are reported which support the procedure and show efficiency increases of 15% when low impedance loading at even harmonic frequencies are provided.

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