

Abstracts

High Efficiency Power Amplification for Microwave and Millimeter Frequencies

W.S. Kopp and S.D. Pritchett. "High Efficiency Power Amplification for Microwave and Millimeter Frequencies." 1989 MTT-S International Microwave Symposium Digest 89.3 (1989 Vol. III [MWSYM]): 857-858.

A novel technique for realizing high efficiency operation of power amplifiers at microwave frequencies is demonstrated. This approach features third harmonic peaking Class-F amplifier operation. Modeled data indicates this Class-F circuit provides an 8% improvement over the conventional Class-B approach at X-band.

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