

# Abstracts

## Class-B Power MMIC Amplifiers with 70 Percent Power-Added Efficiency

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*I.J. Bahl, E.L. Griffin, A.E. Geissberger, C. Andricos and T.F. Brukiewa. "Class-B Power MMIC Amplifiers with 70 Percent Power-Added Efficiency." 1989 Transactions on Microwave Theory and Techniques 37.9 (Sep. 1989 [T-MTT] (Special Issue on FET Structures Modeling and Circuit Applications)): 1315-1320.*

C-band monolithic amplifiers using high-efficiency, class-B MSAG processing have been designed, fabricated, and tested. The class-B single-ended amplifier design employed reactive termination for higher order harmonics and achieved state-of-the art efficiency of 70 percent with associated gain of 8 dB and output power of 1.7 W over the 5-6 GHz band.

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