

Abstracts

The Microwave Doherty Amplifier

R.J. McMorro, D.M. Upton and P.R. Maloney. "The Microwave Doherty Amplifier." 1994 MTT-S International Microwave Symposium Digest 94.3 (1994 Vol. III [MWSYM]): 1653-1656.

A microwave Doherty amplifier has been designed using PHEMT devices in a novel configuration at L-band. Power-added efficiency of 61% is achieved at -1 dB gain compression in CW and is maintained at 61% at 5.5 dB back-off from the above point. The theory, design and measurement for this new amplifier will be discussed.

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