

Abstracts

PCS Amplifier with Integrated Power Control

T.A. Bos and U. Lott. "PCS Amplifier with Integrated Power Control." 1996 MTT-S International Microwave Symposium Digest 96.2 (1996 Vol. II [MWSYM]): 771-774.

A novel power control concept has been applied to a monolithic integrated power amplifier for the PCS/PCN frequency range of 1.9 to 2.4 GHz. At 3.3 V supply voltage the amplifier has a saturated power of 22.7 dBm at 1.95 GHz, which can be decreased continuously or in steps by an on chip control transistor. The amplifier has an efficiency better than 25% at P_{sub sat} and a gain of 25 dB at P_{sub -1dB}.

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