

Abstracts

Ku-Band Monolithic 2.5-Watt Power Amplifier for High Volume Applications

D.T. Bryant. "Ku-Band Monolithic 2.5-Watt Power Amplifier for High Volume Applications." 1991 MTT-S International Microwave Symposium Digest 91.2 (1991 Vol. II [MWSYM]): 421-424.

The design, tuning, and performance of a 2.5-watt Ku-band power amplifier will be presented. The circuit, which was designed to cover the 16-to 17-GHz band, was modified with some on-chip tuning to correct for unmodeled coupling because of the dense circuit layout and a cross model error in the computer aided design (CAD) program. The on-chip tuning flexibility was then used to achieve 2.5-watt performance in the 14.5-to 16-GHz band for a second amplifier design.

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