

Abstracts

High-Voltage FET Amplifiers for Satellite and Phased-Array Applications

A. Ezzeddine, H.-L.A. Hung and H.C. Huang. "High-Voltage FET Amplifiers for Satellite and Phased-Array Applications." 1985 MTT-S International Microwave Symposium Digest 85.1 (1985 [MWSYM]): 336-339.

The high-voltage FET amplifier (HVFA) configuration for power amplifier applications in satellite communications and phased-array systems can offer substantial improvement in DC-to-RF conversion efficiency. A proof-of-concept experiment, design considerations, and the RF results of MIC implementation at C- and X-band are reported. An X-band MMIC HVFA design is also presented.

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