

Abstracts

7-MHz, 1.1-kW demonstration of the new $E/F_{\text{sub } 2, \text{odd}}$ switching amplifier class

S.D. Kee, I. Aoki and D. Rutledge. "7-MHz, 1.1-kW demonstration of the new $E/F_{\text{sub } 2, \text{odd}}$ switching amplifier class." 2001 MTT-S International Microwave Symposium Digest 01.3 (2001 Vol. III [MWSYM]): 1505-1508 vol.3.

The first switching amplifier in the new $E/F_{\text{sub } 2, \text{odd}}$ class belonging to the new $E/F_{\text{sub } x}$ family of switching power amplifiers has been successfully demonstrated. This push-pull amplifier exhibits 1.1 kW, 85% drain efficiency and 17 dB gain at 7 MHz. The amplifier uses low cost switching MOSFETs and fits in a small volume of only 900 cm³ including an integrated cooling fan.

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