

Abstracts

7-MHz, 1.1-kW demonstration of the new E/F/sub 2,odd/ switching amplifier class

S.D. Kee, I. Aoki and D. Rutledge. "7-MHz, 1.1-kW demonstration of the new E/F/sub 2,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/sub 2,odd/ class belonging to the new E/F/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.

[Return to main document.](#)