

Abstracts

A 4.5 W, 26 dB Gain FET Power Amplifier at Ku-Band

V. Sokolov and R.C. Bennett. "A 4.5 W, 26 dB Gain FET Power Amplifier at Ku-Band." 1981 MTT-S International Microwave Symposium Digest 81.1 (1981 [MWSYM]): 129-131.

Recent results are presented in the development of multi-stage GaAs FET power amplifiers operating in the 12 to 16 GHz frequency band. Microstrip circuit level power combining is used to achieve 4.5 W output power with 26 dB gain at 13.3 GHz with an efficiency of 15.8%, and a 1 dB bandwidth of 1.7 GHz.

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