

# Abstracts

## A 16 W Pulsed X-Band Solid-State Transmitter

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*C. Peignet, Y. Mancuso, G. Le Meur, L. Remiro, A. Bert, J.F. Jouen and P. Savary. "A 16 W Pulsed X-Band Solid-State Transmitter." 1988 MTT-S International Microwave Symposium Digest 88.1 (1988 Vol. I [MWSYM]): 417-420.*

An X-Band control gain amplifier providing more than 41 dBm CW with 60 dB associated gain and 10 % bandwidth has been developed. The power added efficiency is 15%. The length of the device is about 100 mm. The transverse dimension is 15 mm, corresponding to a quarter wavelength, compatible with an active X-Band phased array. At each power level the most appropriate microwave technology has been selected: MMICs, MHMICs (Miniature Hybrid Microwave Circuits) or high dielectric constant circuits.

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