

Abstracts

Fidelity of Pulsed Microwave Transistor Amplifiers

D. Staiman and J. Liston. "Fidelity of Pulsed Microwave Transistor Amplifiers." 1974 S-MTT International Microwave Symposium Digest of Technical Papers 74.1 (1974 [MWSYM]): 130-131.

High-power microwave transistor amplifiers characteristically display amplitude and phase droop in the amplification of long RF pulses. The effects of these signal distortions on linear FM modulated waveforms are examined, with specific attention addressed to time sidelobes and main lobe width of a filtered, matched Hamming-weighted pulse.

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