

Abstracts

An ultra-broadband power amplifier using dynamically-controlled linearisation

P.B. Kenington, S.J. Gillard and A.E. New. "An ultra-broadband power amplifier using dynamically-controlled linearisation." 1999 MTT-S International Microwave Symposium Digest 99.1 (1999 Vol. 1 [MWSYM]): 355-358 vol. 1.

This paper will describe the design and measured performance of an ultra-broadband linearised power amplifier intended for general-purpose instrumentation applications. The amplifier utilises a real-time dynamically adaptive predistortion linearisation scheme, which provides a useful linearity improvement over a multi-octave frequency range from HF to SHF.

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