

# Abstracts

## Combining Prefiltering and Predistortion in a High Power Direct PSK Modulator

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*K. Kathiravan, S. Kumar and G. Harron. "Combining Prefiltering and Predistortion in a High Power Direct PSK Modulator." 1990 MTT-S International Microwave Symposium Digest 90.2 (1990 Vol. II [MWSYM]): 877-880.*

Predistortion linearizes a high power...PSK modulator. A digital method of combining...predistortion for the modulator is proposed. From the...well as the demodulated eye diagram results it is observed that in addition to spreading of the filtered baseband spectrum, the modulator nonlinearities also introduce inband noise components. This technique of implementing the baseband signal processing paves the way for combining the microwave and baseband signal processing in a single MMIC chip.

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