

Development of a compact, broadband FET linearizer for satellite use

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A small sized, high performance linearizer has been developed. This linearizer consists of only one FET and simple matching circuits and is useful in a very broadband from 2 to 12 GHz. The linearizer has been adopted into an SSPA for the GLOBALSTAR program, and a 2 dB NPR improvement has been achieved at the 3 dB output backoff point.

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