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An Adaptive Feedforward Amplifier Application for 5.8 GHz

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Abstract: In this study, a 5.8 GHz power amplifier is linearized by an adaptive feedforward technique. A DSP-based control scheme is applied to reduce the intermodulation distortion of this amplifier. A two-tone test is used to verify the design.

Key Words: Adaptive feedforward, linearization, intermodulation distortion, two-tone test

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