

## عنوان مقاله:

A Method for Reducing Memory Effect in RF Amplifier with FIR Filter

## محل انتشار:

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## خلاصه مقاله:

In this paper we study various techniques of power RF amplifier linearization and analyze the most effective circuits of predistortion digital circuits. We propose a method for adapting this circuit and compare the advantages and disadvantages of this circuit with conventional predistortion circuit. The main problem with predistortion circuit is the memory effect. We propose a new circuit to overcome the above problem based on digital signal processing techniques. Finally we compare results of our simulation with previous results. Our simulation shows an  $\Delta$ dB .reductional in power ratio of adjacent channel

## کلمات کلیدی:

Linearization, en, Digital Predistortion, RF Amplifiers, FIR Filters

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1634397>

