

# Abstracts

## An improvement of IM and power of high power amplifiers using RC-paralleled circuits with frequency selectivity

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*Y. Tarui, S. Ogura, K. Seino and Y. Itoh. "An improvement of IM and power of high power amplifiers using RC-paralleled circuits with frequency selectivity." 1998 MTT-S International Microwave Symposium Digest 98.3 (1998 Vol. III [MWSYM]): 1655-1658.*

This paper describes the design method to improve IM and power of high power amplifiers by employing a RC-paralleled circuit with frequency selectivity in the design of input matching circuits. The RC-paralleled circuit decreases gain at low frequencies where the power level of inter-modulated signals becomes high, leading to a significant improvement of IM and power.

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