Abstracts

Temperature and process insensitive circuit design of a voltage variable attenuator IC for cellular band applications

L. Boglione and R. Pavio. "Temperature and process insensitive circuit design of a voltage variable attenuator IC for cellular band applications." 2000 Microwave and Guided Wave Letters 10.7 (Jul. 2000 [MGWL]): 279-281.

The authors describe circuit design solutions for a 900 MHz voltage variable attenuator (VVA) integrated circuit that aims to achieve straight line attenuation slope versus control voltage as well as process and temperature insensitivity. Power linearity is also taken into account. Measured results are presented in order to compare the new VVA to the original circuit and to confirm the robustness of the new design.

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