

# Abstracts

## **Low-Voltage Broadband BiCMOS MMICs for Low-Cost High-Speed Wireless Networks Applications**

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*M. Madihan. "Low-Voltage Broadband BiCMOS MMICs for Low-Cost High-Speed Wireless Networks Applications." 1996 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 98. (1996 [MCS]): 57-60.*

This paper describes low-voltage BiCMOS MMICs for wireless personal communication applications. Design considerations and performance results for a developed 2V 1.6- 6.2 GHz MMIC family including bipolar-based RF amplifiers, MOS- based IF amplifiers, BiCMOS-based simplified Gilbert mixers, and downconverter as well as upconverter IC's will be presented.

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