



Linear CMOS RF Power Amplifiers for Wireless Applications: Efficiency Enhancement and Frequency-tunable Capability

By Maher Kayal

Springer. Paperback. Book Condition: New. Paperback. 220 pages. Dimensions: 9.2in. x 6.1in. x 0.4in. Advances in electronics have pushed mankind to create devices, ranging from - credible gadgets to medical equipment to spacecraft instruments. More than that, modern society is getting used to if not dependent on the comfort, solutions, and astonishing amount of information brought by these devices. One field that has continuously benefited from those advances is the radio frequency integrated circuit (RFIC) design, which in its turn has promoted countless benefits to the mankind as a payoff. Wireless communications is one prominent example of what the advances in electronics have enabled and their consequences to our daily life. How could anyone back in the eighties think of the possibilities opened by the wireless local area networks (WLANs) that can be found today in a host of places, such as public libraries, coffee shops, trains, to name just a few. How can a youngster, who lives this true WLAN experience nowadays, imagine a world without it. This book deals with the design of linear CMOS RF Power Amplifiers (PAs). The RF PA is a very important part of the RF transceiver, the device that enables wireless communications. Two important aspects that are key to...



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