

Abstracts

Bluetooth radio architectures

J.P.K. Gilb. "Bluetooth radio architectures." 2000 Radio Frequency Integrated Circuits (RFIC) Symposium 00. (2000 [RFIC]): 3-6.

Bluetooth is intended to be a low cost wireless local area network (WLAN) implementation. To realize the potential cost savings, the radio designer needs to understand those parts of the protocol that impact the RF and analog portions. This paper looks at the Bluetooth protocol to identify some key areas of the specification as they apply to implementation from modem to antenna. Various radio architectures are compared to show how they can be used for low cost implementations of Bluetooth.

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