

Abstracts

Mobitex PC card wireless modem

S. Moghe, J. Stone, S. Stratmoen, S. Consolazio, K. Rausch, S. Geske and M. Patel. "Mobitex PC card wireless modem." 1997 MTT-S International Microwave Symposium Digest 3. (1997 Vol. III [MWSYM]): 1391-1394.

Northrop Grumman Corporation has developed a Type II extended PC card wireless modem that operates at 900 MHz over the nationwide Mobitex wireless data network and incorporates a conventional 14.4 kbps wireline modem, as well as cellular network access capability. The modem enables notebook computer and PDA users to send and receive electronic mail and data wirelessly. Gallium Arsenide (GaAs) monolithic microwave integrated circuit (MMIC) and Silicon application specific integrated circuit (ASIC) technology made it possible to implement complex high performance functions in a small size. A second generation modem using low temperature cofired ceramic (LTCC) and Ball Grid Array (BGA) packaging technologies is under development.

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