# Abstracts

## Low Cost and Compact Active Integrated Antenna Transceiver for System Applications (1995 Vol. II [MWSYM])

*R. Flynt, L. Fan, J. Navarro and K. Chang. "Low Cost and Compact Active Integrated Antenna Transceiver for System Applications (1995 Vol. II [MWSYM])." 1995 MTT-S International Microwave Symposium Digest 95.2 (1995 Vol. II [MWSYM]): 953-956.*

An FET transistor and a Schottky barrier mixer diode have been integrated within an inverted patch antenna for transceiver applications. Preliminary results exhibit a 5.5 dB isotropic mixer conversion loss at 6 GHz for an intermediate frequency of 200 MHz with the FET serving as both the transmitter and the local oscillator at 5.8 GHz. The low cost, compact circuit should be useful for communication, sensors, and radar applications.

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