

Abstracts

A Low-Cost Active Antenna for Personal Communications

G. Avitabile, C. Salvador and G.B. Gentili. "A Low-Cost Active Antenna for Personal Communications." 1996 MTT-S International Microwave Symposium Digest 96.2 (1996 Vol. II [MWSYM]): 983-986.

The paper introduces an active antenna module which performs both receiving and transmitting operations with an extremely reduced number of components. Receiving operations, in particular, are based on a quasi-regenerative approach, which guarantees an high sensitivity while maintaining a quite simple structure. Experimental results are reported describing a rugged 2.4 GHz ISM band prototype.

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