

Abstracts

An adaptive antenna integrated with automatic gain control for receiver front end

J.L. Dawson and Jenshan Lin. "An adaptive antenna integrated with automatic gain control for receiver front end." 1997 MTT-S International Microwave Symposium Digest 3. (1997 Vol. III [MWSYM]): 1747-1750.

In this paper a new type of adaptive antenna is presented, which is intended for use in mobile receivers. A nonlinear, adaptive, analog feedback controller has been developed to control the phase relationship between the two receiving elements. Both the controller and a complete RF prototype are described in this paper.

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