

Abstracts

Transceiver Module for an L-Band Adaptive Array Antenna

M.E. Davis. "Transceiver Module for an L-Band Adaptive Array Antenna." 1976 MTT-S International Microwave Symposium Digest of Technical Papers 76.1 (1976 [MWSYM]): 191-193.

An integrated transceiver module is described that was designed for adaptive array use. The element combines high peak power (100 watts), low noise receiver (3.5 dB noise figure, 28 dB gain) with a digital gain controller and phase shifter. Significant advances in microwave integrated circuits fabrication and performance arise from using a cost effective standard circuit fabrication approach to the module design.

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