

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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