

# Abstracts

## S Band Mode Coupler Design for Antenna Feeds

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G.A. Seek. "S Band Mode Coupler Design for Antenna Feeds." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. I [MWSYM]): 199-202.

The design and testing of an S-Band TE/sub 21/ mode coupler is presented. The coupler is used in a simultaneous receive (autotracking)/transmit feed antenna. Theoretical coupler designs and performance are compared with measured test results for a prototype and production unit.

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