

Abstracts

A Commutative Spot Transmissive Lens Antenna

C. Orr. "A Commutative Spot Transmissive Lens Antenna." 1982 MTT-S International Microwave Symposium Digest 82.1 (1982 [MWSYM]): 188-189.

Texas Instruments Incorporated is currently under contract to the U.S. Air Force Space Division to design, fabricate and evaluate an electronically steerable solid state transmit only array and to assess its viability for use in space platform applications. The unique approach being developed is capable of limited earth coverage scan (± 3 beamwidths) without employing the use of phase shifters. It also makes use of the latest in microwave monolithic amplifier technology.

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