

Abstracts

Antenna Array for Limited Scan Applications

R.A. Stern and J. Borowick. "Antenna Array for Limited Scan Applications." 1976 MTT-S International Microwave Symposium Digest of Technical Papers 76.1 (1976 [MWSYM]): 341-343.

An S-band line source antenna which could become the basis for a lightweight, compact, low-cost, phased array is described. The line source is a series fed array of radiating slots periodically situated in the side wall of an S-band waveguide section. The unit, which uses nonreciprocal latching ferrite phase shifters between adjacent slots, is capable of switching beam position in less than 10 μ sec and is designed to operate at peak power levels > 3Kw.

[Return to main document.](#)