# Abstracts

## Calculation of Impedance Variations at the Transceivers in Electronically Beam-Steered Active Lens Antennas for Space Based Radar

*D.W. Griffin. "Calculation of Impedance Variations at the Transceivers in Electronically Beam-Steered Active Lens Antennas for Space Based Radar." 1980 MTT-S International Microwave Symposium Digest 80.1 (1980 [MWSYM]): 129-131.*

Design specifications require estimates to be made of the impedances presented to the monolithic microwave transceivers being investigated for use in electronically beam-steered active lens antennas for space based radar systems. A method of calculation is explained and applied to active lenses composed of large planar arrays of dipoles on either side of a screening plane upon which the transceivers are mounted and connected by parallel wire lines to the dipoles.

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