

Abstracts

Single-Frequency Electronic-Modulated Analog Line Scanning Using a Dielectric Antenna (Short Papers)

R.E. Horn, H. Jacobs, K.L. Kohn and E. Freibergs. "Single-Frequency Electronic-Modulated Analog Line Scanning Using a Dielectric Antenna (Short Papers)." 1982 Transactions on Microwave Theory and Techniques 30.5 (May 1982 [T-MTT]): 816-820.

A line scanning antenna is described whereby means of periodic perturbations and conductivity changes in p-i-n diode modulators, analog angular shifts of 5° can be obtained. The system is electronically modulated with relatively small power requirements.

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