

Abstracts

Microwave Systems Design for High-Performance Moving Target Indicators in Radars (May 1991 [T-MTT])

P.A. Sorrell. "Microwave Systems Design for High-Performance Moving Target Indicators in Radars (May 1991 [T-MTT])." 1991 Transactions on Microwave Theory and Techniques 39.5 (May 1991 [T-MTT] (Special Issue on Directions in Design and Applications of Microwave Systems)): 791-797.

Clutter cancellation of 65 dB and better is directly proportional to good radar stability, and since many hardware areas produce instabilities at various levels, the architecture of a radar requires special design considerations to support this high stability. The noise character and generation methods of these instabilities in the various hardware areas are described and design solutions given to eliminate them. A reliable, accurate method of measuring radar stability in L- and S-band radars is described.

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