

Abstracts

A Technique to Measure Accurately Antenna Efficiency (Correspondence)

W.D. Eden. "A Technique to Measure Accurately Antenna Efficiency (Correspondence)." 1972 Transactions on Microwave Theory and Techniques 20.1 (Jan. 1972 [T-MTT] (Special Issue on Automated Microwave Measurements)): 82-83.

A technique is described to determine accurately antenna efficiency by comparing integrated isotropic levels of two antennas, one of which is a lossless reference antenna. Standard automated antenna-range instrumentation was utilized to obtain isotropic levels of Apollo scimitar antennas to ± 0.1 dB by reducing or eliminating sources of error due to specular ground reflections as well as results based on a single measurement.

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