

# Abstracts

## A power and efficiency measurement technique for active patch antennas

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*E.A. Elkhazmi, N.J. McEwan and N.T. Ali. "A power and efficiency measurement technique for active patch antennas." 2000 Transactions on Microwave Theory and Techniques 48.5 (May 2000 [T-MTT]): 868-870.*

In this paper, the power input to the radiating element of an active microstrip patch antenna is measured using a small sensing patch, which is weakly coupled to a radiating edge. Combined with an estimate of patch radiation efficiency, this also yields a measurement of total radiated power. The method has advantages of convenience, insensitivity to room reflections, and a weakly frequency-dependent calibration factor.

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