

# Abstracts

## Recent Progress in Power Reception Efficiency in a Free-Space Microwave Power Transmission System

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*W.C. Brown and C.K. Kim. "Recent Progress in Power Reception Efficiency in a Free-Space Microwave Power Transmission System." 1974 S-MTT International Microwave Symposium Digest of Technical Papers 74.1 (1974 [MWSYM]): 332-333.*

Recent improvements in rectifier devices in the form of specially designed GaAs Schottky-barrier diodes have been combined with rectifier circuit technology to produce receiving elements complete with low pass filtering at the microwave input and filtering at the output that operate in the 82-86 percent efficiency region. The combining of these elements in a rectenna array should produce an overall collection and rectification efficiency of over 80 percent.

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