

Abstracts

An Experimental Low Power Rectenna Density

W.C. Brown. "An Experimental Low Power Rectenna Density." 1991 MTT-S International Microwave Symposium Digest 91.1 (1991 Vol. I [MWSYM]): 197-200.

The paper describes the design and performance of a 2.45 GHz rectenna that absorbs small amounts (milliwatts) of microwave power at incident power density levels that are 10,000 times lower than those normally used, and then, after a microwave impedance step up of 50, converts it into DC power at useful voltage levels. Several useful applications are discussed.

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