

Abstracts

44-GHz Monolithic Plane Wave Amplifiers

J.A. Higgins, E.A. Sovero and W.J. Ho. "44-GHz Monolithic Plane Wave Amplifiers." 1995 Microwave and Guided Wave Letters 5.10 (Oct. 1995 [MGWL]): 347-348.

A Plane Wave Amplifier is an array of small power amplifiers that accept input signals via input antennas and radiate amplified output signals from an output antenna. Such array amplifiers promise a method of efficient power at EHF. This concept has been experimentally explored in the 40-50 GHz band and gain over acceptable bandwidths has been measured.

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