

Abstracts

A novel technology for linearizing traveling wave tube amplifiers

Tong Chen, Y. Goren, C. Jensen, P. Lally and D. Gagne. "A novel technology for linearizing traveling wave tube amplifiers." 2002 MTT-S International Microwave Symposium Digest 02.2 (2002 Vol. II [MWSYM]): 773-776 vol.2.

The Traveling Wave Tube (TWT) has great potential to provide high power for wireless communication. However, its poor linearity has limited its application. This paper describes a new method to linearize TWTs based on the physics of the device. The technique requires low-cost circuitry. The test results show a dramatic improvement.

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