

Abstracts

Multi-carrier 16QAM over a linearized TWTA

A. Katz. "Multi-carrier 16QAM over a linearized TWTA." 2001 MTT-S International Microwave Symposium Digest 01.2 (2001 Vol. II [MWSYM]): 1145-1148 vol.2.

A major concern relating to the transmission of Internet services by means of satellite has been the linearity of available high power amplifiers (HPAs). Traveling wave tube amplifiers (TWTAs) offer the greatest efficiency and power capacity, but are somewhat limited in linearity. This paper investigates the use of linearized TWTAs for the transmission of high data rate bandwidth efficient traffic.

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