Abstracts

Vector Method of Characterizing Nonlinearity in Microwave Power Devices

W.J. Thompson and K.K. Agarwal. "Vector Method of Characterizing Nonlinearity in Microwave Power Devices." 1985 MTT-S International Microwave Symposium Digest 85.1 (1985 [MWSYM]): 585-587.

A new vector method for simultaneously measuring the nonlinear amplitude and phase distortion is described. This simple method, particularly suited for repetitive measurements, isused to characterize high-power amplifiers for 64-QAM digital microwave systems. Graphic display on a "T-chart" clearly identifies gain, compression, expansion, and the order of distortion in devices.

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