Abstracts

Optimized C.A.D. of Power Amplifiers, for Maximum Added Power or Minimum Third Order Intermodulation, Using an Optimization Software Coupled to a Single Tone Source and Load-Pull Set-Up

J.M. Nebus, J.P. Villotte, J.F. Vidalou, L. Hagerman, H. Jallageas and M.C. Albuquerque. "Optimized C.A.D. of Power Amplifiers, for Maximum Added Power or Minimum Third Order Intermodulation, Using an Optimization Software Coupled to a Single Tone Source and Load-Pull Set-Up." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 1049-1052.

An automatic symmetrical source and load pull single tone set up is described. It allows the definition of optimum parameters such as input power, impedances to be presented at each port of the F.E.T., so as to obtain maximum added power. After suitable processing of the date file it is possible to optimize the same parameters in order to minimize the third order intermodulation products.

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