

Abstracts

A study of the effect of envelope impedance on intermodulation asymmetry using a two-tone time domain measurement system

D.J. Williams, J. Leckey and P.J. Tasker. "A study of the effect of envelope impedance on intermodulation asymmetry using a two-tone time domain measurement system." 2002 MTT-S International Microwave Symposium Digest 02.3 (2002 Vol. III [MWSYM]): 1841-1844 vol.3.

An error corrected two-tone time domain measurement system has been developed and combined with a low frequency active source and load-pull system to investigate the effects of all impedance terminations, IF and RF, on the linearity and efficiency of power transistors. Measured data is presented on a HBT biased in class B stimulated by-a two-tone signal while actively load pulling the low frequency IF component.

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