

# Abstracts

## Influence of 2 GHz harmonic load-pull on HBT and MESFET output power and efficiency

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*M. Rudolph, F. Lenk, R. Doerner and P. Heymann. "Influence of 2 GHz harmonic load-pull on HBT and MESFET output power and efficiency." 1999 MTT-S International Microwave Symposium Digest 99.2 (1999 Vol. II [MWSYM]): 741-744 vol.2.*

The influence of harmonic tuning on output power ( $P_{\text{sub out}}$ ) and power added efficiency (PAE) for both HBTs and MESFETS is investigated. Results of measurements and harmonic balance simulations are compared, that illustrate the dependence of PAE and  $P_{\text{sub out}}$  on the second-harmonic load reflection angle.

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