# Abstracts

## Simulation of noise-power ratio with the large-signal code CHRISTINE

*P.N. Safier, D.K. Abe, T.M. Antonsen, Jr., B.G. Danly and B. Levush. "Simulation of noise-power ratio with the large-signal code CHRISTINE." 2000 MTT-S International Microwave Symposium Digest 00.2 (2000 Vol. II [MWSYM]): 1249-1252.*

This paper describes simulations of the noise-power ratio (NPR) for a helix traveling-wave tube (TWT) performed with the large-signal, 1-D, multi-frequency code CHRISTINE. The results indicate that NPR simulations with large-signal codes have the potential to shorten the design phase of TWTs by eliminating the need for repeated build-test cycles to meet a required NPR.

❑ Return to main document.