

Abstracts

Modeling single- and multi-carrier performance of a helix TWTA with the 1-D parametric code, CHRISTINE

D.K. Abe, M.T. Ngo, B. Levush, T.M. Antonsen, Jr., B.G. Danly and D. Chernin. "Modeling single- and multi-carrier performance of a helix TWTA with the 1-D parametric code, CHRISTINE." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1727-1730.

CHRISTINE is a multi-frequency large-signal helix TWT code. Code predictions are compared with data from an L-band TWT; in general, the model and data agree to better than 1 dB, demonstrating the code to be a useful tool for TWT design and the development of external linearization techniques.

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