

# Abstracts

## Accurate modelling of narrow-band filters for satellite communications

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*W. Hauth, D. Schmitt and M. Guglielmi. "Accurate modelling of narrow-band filters for satellite communications." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1767-1770.*

This paper presents the application of rigorous field theory modelling for the accurate design of narrow-band waveguide channel filters. A description is given of the problems associated with narrow-band modelling, their solution, and results obtained from test filter hardware. The precision of this approach will lead to a significant reduction of development and tuning costs, especially with high-performance multiplexers for satellite communications.

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