

# Abstracts

## Analysis of a Coaxial-to-Waveguide Adaptor Including a Discended Probe and a Tuning Post

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*M.E. Bialkowski. "Analysis of a Coaxial-to-Waveguide Adaptor Including a Discended Probe and a Tuning Post." 1995 Transactions on Microwave Theory and Techniques 43.2 (Feb. 1995 [T-MTT]): 344-349.*

A field matching analysis of a coaxial-to-waveguide adaptor incorporating a disc-ended probe and a tuning post is presented. In this analysis, the tuning post is considered as a short-circuited second probe. A computer algorithm for calculating the input impedance of this structure is developed. This algorithm is used to investigate and improve the operation of a commercially available coaxial-to-waveguide adaptor.

[Return to main document.](#)