

Abstracts

Comparison of methods for adapter characterization

J. Randa, W. Wiatr and R.L. Billinger. "Comparison of methods for adapter characterization." 1999 MTT-S International Microwave Symposium Digest 99.4 (1999 Vol. IV [MWSYM]): 1881-1884 vol.4.

We review and compare three methods for characterization of precision adapters using a vector network analyzer. Two of the methods are one-port techniques, and the third is an established two-port adapter-removal technique. The intrinsic efficiencies of three adapters are measured with each technique, and the results are compared. The results generally agree within 0.005, which is within the estimated uncertainties of the techniques.

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