

Abstracts

Accuracy of lumped-element calibrations for four-sampler vector network analyzers

R.B. Marks, J.A. Jargon and D.K. Rytting. "Accuracy of lumped-element calibrations for four-sampler vector network analyzers." 1998 MTT-S International Microwave Symposium Digest 98.3 (1998 Vol. III [MWSYM]): 1487-1490.

Several lumped-element calibrations have been proposed for four-sampler vector network analyzers. This paper offers the first assessment of their accuracy in the face of imperfectly defined standards. We discover significant error and introduce a new calibration that offers demonstrably improved accuracy.

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