

Abstracts

A Two-Channel Off-Null Technique for Measuring Small Changes of Attenuation (Correspondence)

T. Nemoto, R.W. Beatty and G.H. Fentress. "A Two-Channel Off-Null Technique for Measuring Small Changes of Attenuation (Correspondence)." 1969 Transactions on Microwave Theory and Techniques 17.7 (Jul. 1969 [T-MTT]): 396-397.

A technique is described for measuring small changes of attenuation that are not accompanied by significant changes in phase shift. It is a two-channel technique in which a small off-null output signal undergoes relatively large changes when small changes are made in a test attenuator in one of the channels. The procedure is described and measurements from 0.01 to 0.1 dB on a rotary vane attenuator are compared with similar measurements by a different method. Agreement is within 4 percent.

 [Return to main document.](#)