

# Abstracts

## Effect of Transmission Line Mismatch on Cavity Q, with Particular Application to Ferrite Dielectric Loss Measurements (Correspondence)

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*I. Bady. "Effect of Transmission Line Mismatch on Cavity Q, with Particular Application to Ferrite Dielectric Loss Measurements (Correspondence)." 1969 Transactions on Microwave Theory and Techniques 17.3 (Mar. 1969 [T-MTT]): 165-166.*

An analysis is made of the effect of mismatches in the transmission lines and components connecting a cavity on the loaded Q of the cavity. It is shown that the loaded Q can be higher or lower than the Q that would be obtained in the absence of a mismatch. These results are applied to the measurement of the dielectric loss tangent of ferrites.

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