

# Abstracts

## Q-Dependence of Gunn Oscillator FM Noise (Short Papers)

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*H. Herbst and A. Ataman. "Q-Dependence of Gunn Oscillator FM Noise (Short Papers)." 1973 Transactions on Microwave Theory and Techniques 21.2 (Feb. 1973 [T-MTT]): 114-115.*

Measurements of FM noise and the external quality factor  $Q_{\text{sub ex}}$  of X-band Gunn oscillators are reported which show that both unconverted and intrinsic FM noise vary inversely as  $Q_{\text{sub ex}}$ , if bias voltage, RF power, and frequency are kept constant.

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