

# Abstracts

## Band Transition Noise Measurements of Gas Discharge Noise Sources (Correspondence)

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K.W. Olson. "Band Transition Noise Measurements of Gas Discharge Noise Sources (Correspondence)." 1968 *Transactions on Microwave Theory and Techniques* 16.9 (Sep. 1968 [T-MTT] (Special Issue on Noise)): 797-797.

A method is described for establishing the excess noise ratio of a gas discharge noise source in a waveguide band for which a known output source is not available. The unknown waveguide bands are covered using "inter-band" or "cross-band" tubes. The method includes noise comparisons, hot insertion loss measurements, and corrections from tube-in-mount noise to tube-only noise in both bands. The errors are discussed.

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