

Abstracts

Plasma Noise Sources of Improved Accuracy

C.I. Denson and G.J. Halford. "Plasma Noise Sources of Improved Accuracy." 1968 Transactions on Microwave Theory and Techniques 16.9 (Sep. 1968 [T-MTT] (Special Issue on Noise)): 655-663.

Gas discharge tubes and waveguide mounts have been developed as reference standards of noise for S-, C-, and X-band in WR284, WR137, and WR90 waveguide. Their design and development are described and details of their performance are given. Particular attention has been paid to reducing the spread of noise output. At S- and X-band an overall absolute accuracy close to ± 0.1 dB has been achieved for all possible combinations of tube and mount.

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