

Abstracts

The Australian National Standards Laboratory X-Band Radiometer for the Calibration of Noise Sources

*P.I. Somlo and D.L. Hollway. "The Australian National Standards Laboratory X-Band Radiometer for the Calibration of Noise Sources." 1968 *Transactions on Microwave Theory and Techniques* 16.9 (Sep. 1968 [T-MTT] (Special Issue on Noise)): 664-669.*

The chief possible causes of error in the calibration of microwave noise sources are examined and a radiometer designed to minimize these errors is described. This includes a self-contained hot-load standard, facilities for measuring the hot-guide losses, a synchronously switched broadband circulator, a switchable, high-stability attenuator, provision for measuring this attenuation, and a carbon-filament lamp reference noise source.

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