

Abstracts

Absolute Measurement of Receiver Noise Figures at UHF

E. Maxwell and B.J. Leon. "Absolute Measurement of Receiver Noise Figures at UHF." 1956 Transactions on Microwave Theory and Techniques 4.2 (Apr. 1956 [T-MTT]): 81-85.

Absolute measurements of noise-figures in the UHF range are described, using hot and cold thermal sources as standards. It was found that the noise temperature of the T-5 6 watt fluorescent tube is 16.1 ± 0.6 db above $kT\Delta v$. Noise diodes were found to be in error at these frequencies by approximately 1 db.

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