

Abstracts

Noise Calibration Repeatability of an Airborne Third-Generation Radiometer (Letters)

H.-J.C. Blume. "Noise Calibration Repeatability of an Airborne Third-Generation Radiometer (Letters)." 1977 Transactions on Microwave Theory and Techniques 25.10 (Oct. 1977 [T-MTT]): 852-855.

A third-generation S-band radiometer has been calibrated at intervals over 3-1/2 years. The built-in stabilization concepts have proven to be very effective. In spite of some nonideal conditions (on runway, in wind, and in rain), an rms value of 0.7 K calibration repeatability has been observed with an average temperature deviation (bias error) of 0.03 K.

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