

Abstracts

Dual Frequency Multi-Channel Millimeter Wave Radiometers for High Altitude Observation of Atmospheric Water Vapor

J.Y. Schuchardt, J.A. Stratigos, J.A. Gagliano, D.O. Gallentine and J.L. King. "Dual Frequency Multi-Channel Millimeter Wave Radiometers for High Altitude Observation of Atmospheric Water Vapor." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 540-542.

This paper describes three generations of a millimeter wave radiometer operating at 94 and 183 GHz designed for airborne atmospheric measurements on-board NASA Convair 990 and RB-57 aircraft. Airborne measurements in 1977 and 1978 have substantiated theoretical conclusions on millimeter wave atmospheric properties.

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