

Abstracts

A Broad-Band Low-Noise 205 GHz Radiometer for a Satellite Receiver

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A low-noise room temperature 205 GHz heterodyne radiometer has been designed and built for the Upper Atmosphere Research Satellite Microwave Limb Sounder instrument. The radiometer design features a low loss quasi-optical broad-band signal/LO coupler, a solid state local oscillator and a single-ended fundamental mixer.

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