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ACTIVE REMOTE SENSING

Radar technology is considered an active remote sensing system because it actively sends a microwave pulse and senses the energy reflected back. Doppler Radar, Scatterometers, and Radar Altimeters are examples of active remote sensing instruments that use microwave frequencies. [Remote Sensing: Active Microwave | National Snow and Ice ...](#) Active Remote Sensing Instruments. Each active sensor in remote sensing directs its signal to the object and then checks the response - the received quantity. The majority of devices employ microwaves since they are relatively immune to weather conditions. Active remote sensing techniques differ by what they transmit (light or waves) and what they determine (e.g., distance, height, atmospheric conditions, etc.).

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