

NASA MICROWAVE PROPAGATION AND INTERFERENCE STUDIES

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Abstract

The space microwave communications propagation and interference work at NASA stems from the limited availability of spectrum and the need to support spacecraft operations. Crowding in the lower parts of the spectrum have led to increasing considera-

tion of frequencies above 10 GHz where tropospheric effects and hydrometeors are important. Propagation and interference work has been done using the ATS-5 and ATS-6 satellites, and more is planned for CTS and the Space Shuttle.

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