

# Abstracts

## Problems and Challenges in Satellite Communications Frequency Reuse - Antennas and Components

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*D.O. Reudink. "Problems and Challenges in Satellite Communications Frequency Reuse - Antennas and Components." 1976 MTT-S International Microwave Symposium Digest of Technical Papers 76.1 (1976 [MWSYM]): 69-70.*

There are at present three frequency bands allocated for communication satellites in the USA. At the 4/6 GHz frequencies, 500 MHz bandwidth is available and several systems now or soon will operate in this band. These satellites are basically frequency translators with saturating amplifiers using 40 MHz wide channels. The capacity of these satellites range from 6000 to 14,000 analog voice circuits.

[Return to main document.](#)