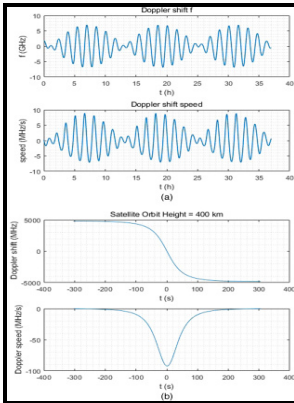# Radiofrequency testing of satellite segment of simulated 30/20-GHz satellite communications system

National Aeronautics and Space Administration, Lewis Research Center - LCRD

Description: -

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Spacecraft communication.
Microwave frequencies.
Electronic equipment tests.
Artificial satellites in telecommunication.
Microwave communication systems.Radiofrequency testing of satellite segment of simulated 30/20-GHz satellite communications system

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Pacific linguistics -- v.89
NASA technical memorandum -- 87163.Radiofrequency testing of satellite segment of simulated 30/20-GHz satellite communications system
Notes: Microfiche. [Washington, D.C. : National Aeronautics and Space Administration], 1986. 1 microfiche.
This edition was published in 1985

Filesize: 34.86 MB

Tags: #EDA #toolbox #for #VHF #Data #Link #system #simulation

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During product testing, a factory DUT may be placed in the test chamber. The sequence of on-ground processing performs the self-apodization correction using the metrology tilt data, spectral calibration using the Fabry-Perot views and radiometric calibration using the blackbody and cold space interferograms.

Development of Satellite Facilities

The system will be capable to not only simulate the GEO relay scenario, but to also insert data relays for some deep space link scenarios.

Earth Segment Subsystems

The user segment, whilst separate from the main ground segment, also influences its design.

Viasat demonstrates Beyond Line of Sight satellite connectivity

The RSM is responsible for download, activation and execution of the software modules.

SATSIM—A real

Those are satellite acquisition and tracking of satellite.

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