



S-Band Communication Tests (ZfT – Space, Bachelor/Master Thesis)

Motivation

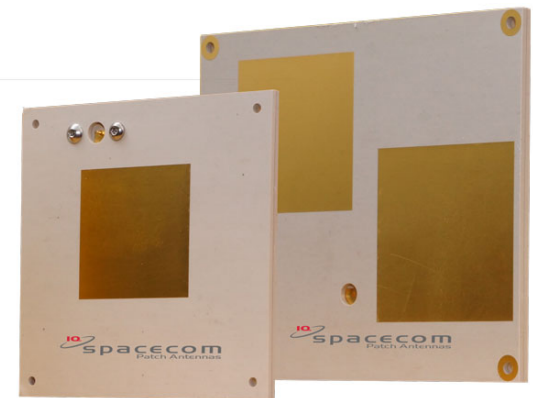
For the upcoming TOM mission, S-Band transmitters are planned to be used for downlinking satellite data. Therefore, the transmitters have to be evaluated and extensively tested along with the patch antennas and the ground station (dish antenna @ZFT).

Tasks

- Evaluation of hardware and software requirements
- Definition and documentation of functional tests
- Examination of mission requirements for TOM
- Performing and evaluation of tests
- Transmitter and ground station adjustments
- Evaluation of transmitter feasibility

Experience

- Programming (useful)
- Electronics (useful)
- Communications (useful)
- Experience with Radios/ADC+DAC/Antennas (useful)



Contacts

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