Wireless Harness Testbed for Modular Satellites
(Bachelor/Master Thesis/ Practical)

Novel modular concepts for satellite architecture compliment a fixed wired satellite bus with a flexible wireless harness, promising a higher flexibility & intra-satellite operability. One major challenge in such an architecture is to handle mutual RF interference and negative influence of satellite structures on communication.

**Tasks**

- Integration of several RF-transceivers into 3-Unit Satellite HW reference model
- Measure influence of subsystem modules on communication, e.g. SNR/RSSI
- **Ma-Thesis**: Further integrate & test RF-transceiver bus with real satellite subsystems

**Required Previous Knowledge**

C-Language, Embedded SW development

**Language**

German or English

**Contact via Mail or Video Chat**

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