Implementation and Evaluation of a LoRa Satellite Link Testbed based on Integrated Chipsets

Master Thesis

Task Description

- LoRa is a physical layer for low-power, long-range communication in the IoT
- Due to its robustness and low-power design, it also gains more and more attraction in the field of CubeSats and is a promising choice for a new UWE-5 satellite
- In this project, a testbed for the use of LoRa in satellite communications shall be implemented and evaluated based on COTS evaluation kits

Skills / Interests

- Wireless Communications
- Electronics and RF Systems
- Programming in Matlab/Python and C/C++

Contact

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