

Design of Wireless Systems

EITN75

Guide for report

The report should present the link budget for a chosen link, either up- or down. It should include a complete description of the path the information takes, from its raw form to the electromagnetic domain and back again to become data. This includes the following, where applicable:

- Compression
- Coding
- Interleaving
- Modulation
- Amplification
- Antennas
- Propagation
- Diversity
- RF receiver
- Equalisation
- Demodulation
- Decoding
- De-interleaving
- De-compression

And any other steps taken in the chosen link.

This gives that you have to choose, or define, both a standard, and an application.

The report should have a graphical link budget figure as a final result. The text should include justification for the link budget, and any arbitrary design choices that have been made in deriving it.