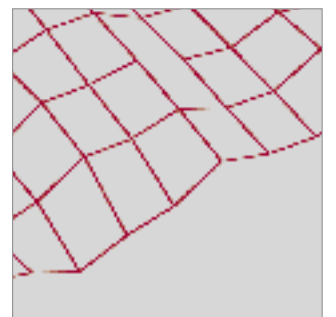
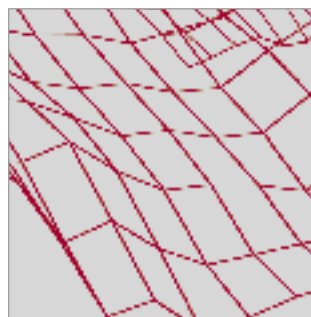
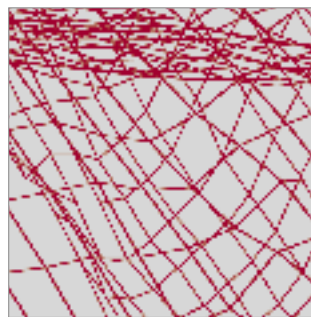
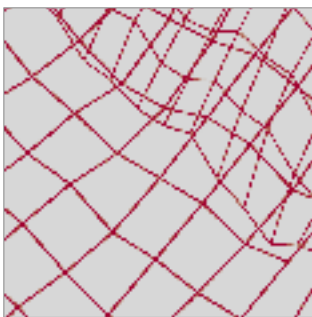
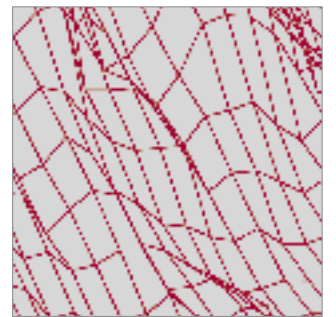
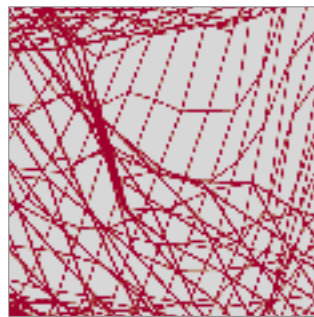
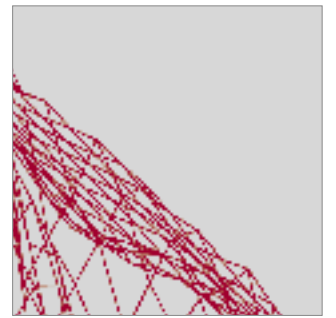
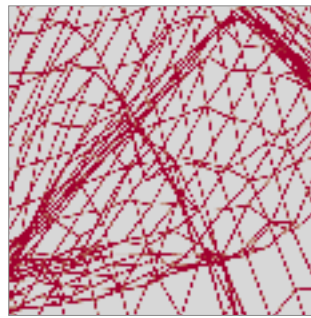
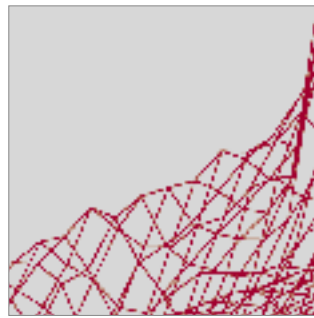
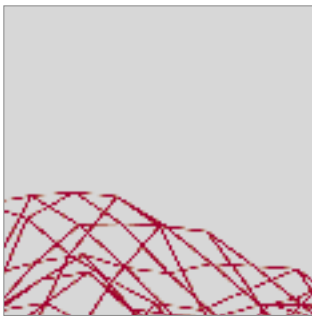
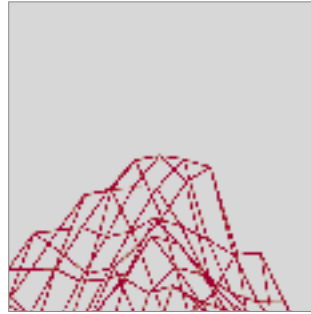


WIRELESS NETWORK DESIGN AND ACQUISITION



WIRELESS NETWORK DESIGN AND ACQUISITION



Preparation of exact field plans is a prerequisite for every functional wireless network, whether analog, digital, synchronous or cellular.

At the same time, the fixed network is designed with directional radio, copper or fiber-optic links. This phase calls for a thorough knowledge of the system.

Agreements with land or building owners must be in place before stations can be installed at sites evaluated as ideal. Our professional network of local "site hunting" specialists performs these services with an eye to current environmental and economic factors.

In addition to making field-strength predictions, we also perform interference calculations and prepare frequency plans.

We use appropriate quality-of-service measurements to optimize our simulation models and fine-tune our calculations.

LOS (line-of-sight) and link budget are dictated by the directional radio link calculation. This information is then used when applying to the Swiss Federal Communications Agency for concessions.

We use NIR calculations to verify compliance with regulatory limits.

Our areas of competence

- Site evaluation
- Acquisition
- Field-strength prediction
- Quality-of-service measurements
- Directional radio link calculations
- NIR calculations

