TELECOMMUNICATIONS & 5G · TRANSMISSION

Microwave Link Planning with Pathloss

تخطيط وصلات الميكروويف باستخدام Pathloss

3 days | Intermediate | In person · Live online | Arabic & English

Plan microwave links in a dedicated link-planning tool. You will build terrain profiles, check clearance, set antenna heights, calculate link budgets and availability, plan frequencies and check interference, then produce link reports ready for installation.

WHO IT'S FOR

Transmission and microwave planning engineers.

BEFORE YOU START

Microwave Transmission Links or equivalent experience

WHAT YOU'LL LEARN

- Build and check terrain profiles.
- Set antenna heights for clearance.
- Calculate link budgets and availability.
- Plan frequencies and analyse interference.
- Produce installation-ready link reports.

Training a team?
We run this course privately for organizations, on your dates, at your site or ours, and adapt the examples to your network and equipment.

COURSE OUTLINE

5 modules, 3 days

MODULE 01

Tool and project set-up

- Sites and terrain data
- Equipment libraries

MODULE 02

Path profiles

- Terrain profiles
- Clearance and antenna heights

MODULE 03

Link design

- Link budgets
- Fading and availability

MODULE 04

Frequencies and interference

- Frequency plans
- Interference analysis

MODULE 05

Reports

- Link reports
- Practical project

ALSO IN TRANSMISSION

GNSS & GPS Fundamentals, **Microwave Transmission Links**, **Satellite Communications**, **Optical Transport Networks: SDH, OTN & DWDM**, **Submarine Cable Systems**

Enrol or ask a question

In person in Damascus · Live online · Private training for teams. Tell us your goals and we will send the dates, the fees and the right level for you.

+963 991 099 555

info@alalamia-sy.com

alalamia-sy.com