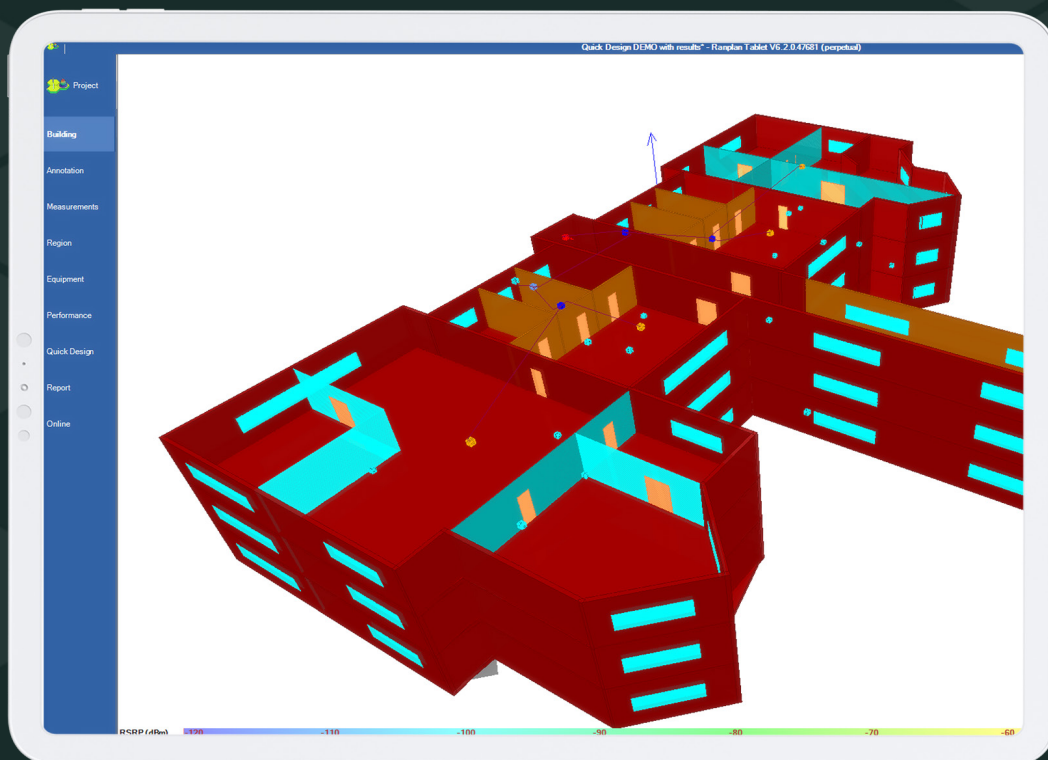# Ranplan Tablet

Automate onsite survey and in-building wireless network designs

Ranplan WIRELESS

What is Ranplan Tablet?

Ranplan Tablet makes it easier for onsite RF engineers to produce site surveys, run rapid network performance predictions and generate quotations and bills of materials when planning Wi-Fi, 3G, 4G (LTE), 5G, IoT and Public Safety networks.

The ability to quickly generate quotes, run accurate indoor network KPI predictions and produce eye catching visualisations will help integrators win bids from Operators.
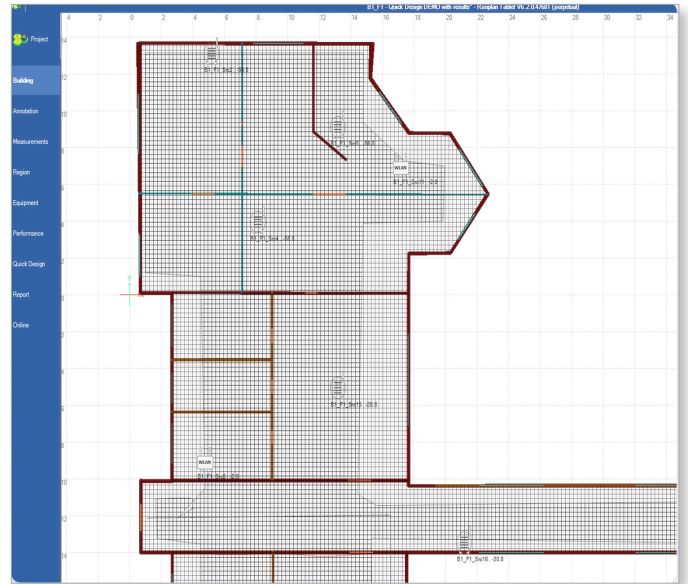
Key Benefits

- Intelligent Floor Plan Recognition (IFR) to automatically model 3D buildings.

- Automates site survey for RF planning and optimisation with 2.5D modelling and 3D ray-tracing.

- Plan indoor capacity and coverage.

- Easily import data from multi-vendor test and measurement tools.

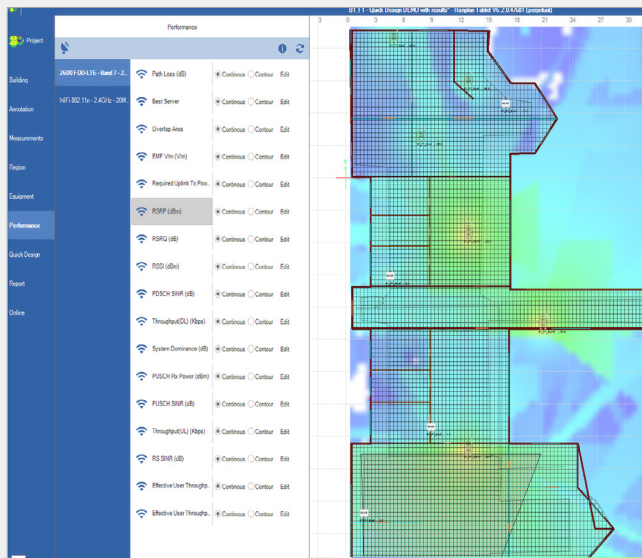- Live multi-vendor component database.

Simplify and speed up onsite network design

Ranplan Tablet is an ideal onsite survey tool for RF engineers or technicians to go onsite and easily and quickly capture building information to start the process of planning a network. The enhanced and intuitive GUI and Intelligent Design Module helps even users with limited RF planning or optimisation knowledge with a tool to rapidly plan preliminary indoor networks. Information collected can then be shared with other team members through seamless interoperability with Ranplan Professional and Collaboration Hub.

- The Intelligent Floor Plan Recognition (IFR) function converts a background image to a vector image that can be used as the 3D building model.

- Tablet based site survey RF planning and installation tool.

- Easily import data from multi-vendor test and measurement tools.

- Create annotations in text, image, audio and video formats.

- Live multi-vendor component database.

Throughput heatmap

Evaluate planned indoor coverage onsite

Once the building data has been collected and the building model created, Ranplan Tablet helps users easily plan their networks to meet required KPIs. By creating target and candidate regions users can define a set of coverage KPIs and even order zones of interest by priority, distinguishable by colour. With capacity and coverage heatmaps users can visualise predicted network performance based on defined KPIs.

- Create Environment Zones to quickly and accurately evaluate the network performance.

- Generate statistics and analytics based on measurement campaign data.

- Rapidly generate onsite coverage and capacity RF planning and optimisation for HetNet environments.

- Use Intelligent Design Module to increase network design automation.

- Supports designs for active and passive DAS, small cells and Wi-Fi.

- Supports energy consumption simulations with different distribution profiles.

Indoor coverage heatmap

Produce customisable project reports

A number of different reports can be generated to easily verify and validate a proposed system design and be integrated as part of the project bidding process to help quickly produce quotes and sales estimates. The reports also help Operators rapidly estimate the real cost of building a network capable of delivering the required quality of experience to their end customers.

- Floor plans, system design schematics and SPE heatmaps.

- Quickly produce quotations, bills of materials and other customisable reports.

- Access predefined data templates for costs and compliance requirements.

- Fully interoperable with Ranplan Professional and Ranplan Collaboration Hub.

Customisable reports

Technical specifications

Minimum hardware requirements

Processor: i3-7100 2.4 GHz (Intel Core)

Operating System: Windows 10

Memory: 4GB +

Hard Disk Space: 64GB

Display: 10", 1024 x 768, 32 Bit

Camera: Rear facing

Recommended hardware requirements

Processor: i7-6650 2.2 GHz+ (Intel Core)

Operating System: Windows 10

Memory: 8GB +

Hard Disk Space: 256GB

Display: 10", 1024 x 768, 32 Bit

Camera: Rear facing

Wireless technologies supported

5G NR Sub-6GHz and mmWave

4G systems (3GPP Release 16) LTE 600MHz – 3700MHz

3G systems HSPA/HSPA+/WCDMA/1xEV-DO/TD-SCDMA

2G systems GSM/CDMA/EDGE/GPRS/TDMA

Public safety systems P25/PMR/DMR/LMR/TED/TETRA

IoT systems LoRa/eMTC/NB_IoT/SIGFOX

Wi-Fi (IEEE 802.11g/n/j/ac/ad/ax)

About Ranplan Wireless

Ranplan Wireless pioneers software solutions that help perfect the design, optimisation and automation of in-building and urban outdoor wireless networks, either in isolation or in coordination.

Our solutions enable companies to deploy next generation wireless networks for a range of applications, supporting multiple technologies and providing an unmatched quality of experience.

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