



iBwave
Wi-Fi®
MOBILE



THE POWER TO SURVEY, DESIGN & VALIDATE Wi-Fi NETWORKS FROM THE PALM OF YOUR HAND

iBwave Wi-Fi® Mobile is way more than a survey tool. It's a survey tool, a network design tool, a validation tool and a collaboration tool. It's a mobile app that can be loaded onto your smartphone or your tablet and used to radically speed up the process of designing and delivering high-performing Wi-Fi network design projects.

Picture it - you've been assigned a new Wi-Fi network design project. As one of the first steps, you're off to survey the site and gather documentation - so you go to grab your laptop but then you suddenly realize....wait a minute, I don't need my laptop. After telling your back it can thank you later, you simply grab your smartphone or tablet with iBwave Wi-Fi® Mobile on it and head out the door.

Arriving at the site, you look around, pull out your smartphone or tablet and....

Run active or passive surveys.

- ✓ Spotcheck the network's current throughput with an active survey
- ✓ Collect the network's signal levels with a passive survey

Capture, save and annotate images to geo-referenced pushpins.

- ✓ Capture images, videos and audio notes and save them to geo-referenced pushpins on the layout plan
- ✓ Reduce the risk of installation errors by adding your own annotations to the images clarifying install instructions
- ✓ Send the installation team an automatically generated report displaying all captured images and annotations
- ✓ Automatically view all saved documentation (images, videos) on the pushpins when you open in iBwave Wi-Fi desktop

Design the network, run prediction, and easily share the file with your customer.

- ✓ Drag and drop accurately-modeled vendor access points or network and installation equipment
- ✓ Run prediction on-the-spot as you design (CCI, RSSI, Throughput, SNR, Overlap Zone)
- ✓ Physically validate the design of your network as you design and survey - saving you a trip to the site later on.
- ✓ Easily send your customer the design file for review using our free iBwave Viewer (think Adobe reader for designs)

Save your project to the cloud for collaboration or to access next time you're on site.

- ✓ Save your project files (images, annotations, videos) where your colleagues can collaborate on it from anywhere.
- ✓ Easily access your project the next time you're on site for a spotcheck or network upgrade

Validate your design results and send your customer a close-out package.

- ✓ Return to the site and validate the speed of your network with an active survey
- ✓ Generate a close-out package and send it to your customer so they have the design details on record.

iBwave Wi-Fi® Mobile software features

iBwave PORTFOLIO

- Create a new project from iBwave Mobile
- Download iBwave Design projects from iBwave Cloud or iBwave Unity and work offline
- Upload updated projects to iBwave Cloud or iBwave Unity
- 10 GB of storage on iBwave Cloud included
- Share projects from iBwave Cloud by email to external partners

SITE SURVEY

- Display surrounding Wi-Fi & cellular networks (Network Scan)
- Create buildings and floor plans
- Scale and geolocalize floor plans
- Capture project information, client information and initial requirements
- Create geolocated pushpins with photo, text, video and audio annotations
- Draw and add text annotations on photos
- Draw construction markup & cable routes on floor plans
- Integrate with 3rd party network test tools:
 - Share iBwave project information
 - Display all received survey measurements on iBwave floor plans
 - Save all survey measurements in the project for access in iBwave Design

Wi-Fi DESIGN

- Collect passive and active Wi-Fi survey measurements
- Add Access Points and Network equipment from your Central Database of Components (Over 300 components available from leading OEMs)
- Automatic Access Points placement with band optimization
- Automatic multi-floor Wi-Fi channels assignment
- Technologies: Wi-Fi (802.11 a/b/g/n/ac)
- Frequency bands: 2.4GHz & 5GHz
- Prediction maps: RSSI, SNR, CCI, Overlap Zone & Throughput
- Submit design changes to iBwave Wi-Fi for approval:
 - Update all components location and height
 - Update antenna azimuth, downtilt and mount orientation
 - Update cable routes and add measured length

PREDICTION

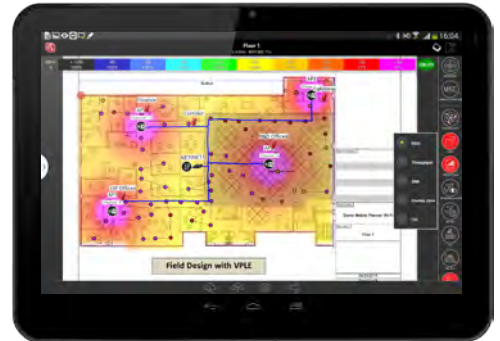
- Define the prediction area on floor plans
- Define multiple attenuation zones with different density levels
- Run interpolation of survey measurements
- Run multi-floor prediction for Access Points using VPLE propagation model
- Consider interfering survey measurements (ex: neighboring & outdoor signal) in prediction maps
- Prediction Pass/Fail indicator on network compliance KPIs

REPORTING

- Generate reports from free iBwave Viewer (PDF, PPT, DOC, XLS and more):
 - Annotations & floor plans
 - Survey measurements (plots)
 - Equipment list
 - Prediction maps
- Generate a report on the mobile device (PDF):
 - Project summary
 - Equipment list (including sub-components, inventory # and cost)

iBwave Wi-Fi® Mobile

Intuitive, user-friendly interface allows you to work smarter and faster.



All maps available



CCI map



SNR map



Markups and pushpins