

iBwave Integration		
Create a new project from scratch or from a template	✓	✓
Download and upload projects from iBwave Cloud or iBwave Unity and work offline	✓	✓
Transfer projects directly to/from iBwave Design through USB	✓	✓
Store up to 10 GB of projects on iBwave Cloud	✓	✓
Share projects from iBwave Cloud by email to external partners	✓	✓
Site Survey		
Display surrounding network signals (Network Scan)	✓	✓
Capture site details, contact information and initial requirements	✓	✓
Create, scale and geolocalize floor plans	✓	✓
Create walls and floor plans	✓	✓
Add geolocated photo, text, video and audio annotations to floor plans	✓	✓
Create geolocated pushpins with photo, text, video and audio annotations	✓	✓
Draw shapes and text on photos	✓	✓
Draw shapes and text as markups on floor plans	✓	✓
Integrate with 3rd party network test tools	✓	✓
Share iBwave floor plans, transmitters & zones to apps on the same device	✓	✓
Display back received measurements on iBwave floor plans	✓	✓
Save survey measurements in the project for access in iBwave Design	✓	✓
AS-BUILT DESIGN		
Submit design changes to iBwave Design for approval:	✓	✓
Update all components location and height	✓	✓
Update antenna azimuth, downtilt and mount orientation	✓	✓
Update cable routes and add measured length	✓	✓
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)		✓
Floor plans	✓	✓
Annotations	✓	✓
Output maps		✓
Sign-off page	✓	✓
Prediction		
Define the prediction area on floor plans		✓
Define multiple attenuation zones with different density levels		✓
Define peak capacity zones and set number of clients per floor		✓
Run interpolation of survey measurements		✓
Run multi-floor prediction for Access Points and Small Cells using VPLE propagation model		✓
Consider interfering survey measurements (ex: neighboring & outdoor signal) in prediction maps		✓
Prediction Pass/Fail indicator on network compliance KPIs		✓
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, Capacity, Overlap Zone & Throughput		✓
Small Cells Design		
Add Small Cells and Network equipment from your Central Database of Components (Over 1,300 components available from leading OEMs)		✓
Automatic Small Cells placement with band optimization		✓
Technologies:		
4G : LTE, WiMAX (802.16)		✓
3G : HSPA+ / HSPA / WCDMA		✓
2G : GSM / CDMA / EDGE		✓
Frequency bands:		
700 / Cellular850 / PCS1900 / AWS2100		✓
GSM900 / DCS1800 / UMTS2100 / 2.6GHz		✓
LTE TDD 2.3GHz		✓
WiMAX 2.5GHz		✓
GPS / UWB / Public Safety 4.9GHz		✓
Prediction maps: RSSI, LTE RSRP, CDMA/WCDMA RSCP, SNIR, Capacity, Handoff & Throughput		✓