

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	✓	✓	✓
Internal data collection engine	✓ Collection module	✓	✓
Create, scale and geolocalize floor plans	✓	✓	✓
Create geocoded outdoor 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	✓	✓	✓
Survey Data Collection			
Define interpolation area	✓ Interpolation module		
Run interpolation of survey measurements	✓ Interpolation module	✓	✓
Continuous Walk mode	✓ Collection module	✓	✓
Survey data interpolation pass/fail indicator on network compliance KPIs	✓ Interpolation module	✓	✓
Collect passive cellular survey measurements	✓ Collection module	✓	
Collect passive and active Wi-Fi survey measurements	✓ Collection module	✓	✓
Technologies: Wi-Fi (802.11 a/b/g/n/ac/ax), 4G (LTE), 3G (HSPA/UMTS/WCDMA), 2G (GSM/EDGE)	✓	✓	✓ Wi-Fi Only
Frequency Bands: All bands supported by the Device	✓	✓	✓ Wi-Fi Only
Survey Data Maps: Wi-Fi: RSSI, CCI, Throughput, LTE: RSSI, RSRP, RSRQ, SNIR, 3G: RSSI, RSCP, EcNo, 2G: RSSI	✓	✓	✓ Wi-Fi Only
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	✓	✓	✓
Survey maps	✓ Collection module	✓	✓
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 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			
Add Access Points and Network equipment from your Central Database of Components		✓	✓
Automatic Access Points placement with band optimization		✓	✓
Automatic multi-floor Wi-Fi channels assignment		✓	✓
Technologies: Wi-Fi (802.11 a/b/g/n/ac/ax), Zigbee		✓	✓
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: 5G (NR), 4G (LTE), 3G (HSPA/UMTS/WCDMA), 2G (GSM/EDGE), IoT (ZigBee/LoRa/UWB) and Public Safety (4.9 GHz)		✓	
Frequency Bands: All 3GPP Bands and most IoT Bands (depending on the region/country regulations)		✓	
Prediction Maps: RSSI, 5G SS-RSRP, LTE RSRP/SNIR, 3G RSCP/EcNo, Throughput, Handoff, Dominance, Capacity		✓	