

# Microwave - Advanced

We here at WAC have an in-depth interest and continued excitement for designing microwave, so much so, that we have programmed many facets of our labor services directly into this product line. We hope you enjoy it too!



## Manage

Use the Manager for your database of existing and/or proposed paths. Save, load, design, view!

Our online microwave design allows users to plan, manage, design and perform complete analysis of their systems. Input proposed points and build the path from scratch, view the system, add existing networks, edit paths or other details to the layouts. Pull FCC ASR data directly for location matching. Build your site lists and design templates to add to your pull downs for easy designs. We have even added a simple frequency area for checking early internal planning.



## Advanced Design

Once your points are entered into the manager, fine tune the design by selecting from the FCC paired frequencies available through our pull down menus. Examine your path profiles for impacts, check fresnel clearance, the rain factors and much more for the full design. View sites up close with overlays from aerial, topography or orthos for the location confirmations. We have even built a full output Link-Budget for checking overall outage numbers!

## Complete Link-Budget

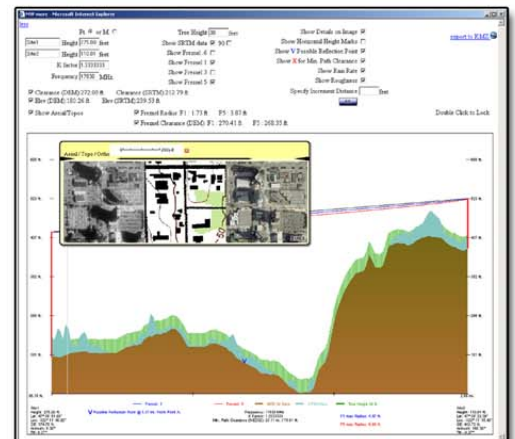
Parameter	Value	Unit
Frequency	1150.00	MHz
Channel Spacing	10.00	MHz
Bandwidth	10.00	MHz
Power	100.00	dBm
Loss	10.00	dB
Margin	10.00	dB
Outage	10.00	dB
Availability	10.00	dB
Reliability	10.00	dB
Interference	10.00	dB
Co-channel	10.00	dB
Adjacent	10.00	dB
Out-of-band	10.00	dB
Spurious	10.00	dB
Harmonics	10.00	dB
Intermodulation	10.00	dB
Other	10.00	dB
Total	10.00	dB

## 3D Full Path Exports



To further your experience with our product, we have created multiple viewings of your designs. Select the path to be exported in full 3D to popular GIS programs or view it in our detailed layout. Complete with fresnel, terrain elevations (10 or 30 meter), tree heights and SRTM overlay data which can alert you to obstacles. We have even made it easier to check existing frequencies!

## Detailed Path Profiles



Exports can be viewed with existing microwave files in your area, just use our search engine and output it!

## Frequency Checks

