How to use heywhatsthat to profile a signal path:

For the path between two antennas: First, generate a footprint map for your tower site, then click the map to identify the remote location, and see the path profile between those two locations.

1. Specify your tower location and altitude. At the homepage http://www.heywhatsthat.com/, click *New panorama.*

  a. Item 1. Enter the address and click *Find*, or enter lat-lon yourself.

  b. Item 2. Leave the default "100ft" value alone.

  c. Item 3. Enter your antenna elevation AGL, and leave *above ground* selected.

  d. Item 4. Enter a descriptive title so you can recall this footprint (if you don't close the browser!).

  e. Click *Submit request*, and wait a minute. Soon you'll see the map, centered on your tower location (purple "X"), with a line-of-sight footprint overlaid.

2. Specify a receiving tower location, altitude, and radio frequency.

  a. Zoom (Ctrl+ scroll, or click "+" in the lower right corner of the map) and **reposition** (click & drag) the map to precisely locate the receiving tower location. **Click once on the map** to identify the location "+" the receiving tower. A new "profile" appears above the map: your tower is on the left, the receiving tower on the right, and a depiction of the terrain between the two.

  b. Adjust the parameters for this path. Click *Parameters* just below the profile image to reveal the input boxes: **1)** frequency (in MHz) and **2)** far-end elevation (include "+" for height in feet above ground level, e.g., "+80"). The profile will instantly update to the adjusted parameters.

For multiple antennas. If you want to illustrate multi-point paths, at the homepage http://www.heywhatsthat.com/, click the link to **Path profiler** at the top of the page.

1. Specify locations of each antenna/tower. You can either **1) Click on the map to locate** the various antenna locations, in the order the signals will travel, or **2) Enter the locations addresses in the Find box,** again in the desired order.

2. Adjust the antenna heights. The heights default to ground level. See the list of locations to the right of the map.

  a. Click the elevation value (a hyperlink) for each location.

  b. Enter the height above ground level in the pop-up (e.g., "+80").

  c. Click OK.

3. Adjust the radio frequency. Click *Parameters* just below the profile image to reveal the input boxes. The only one you need to change is **frequency** in MHz (e.g., "440").

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