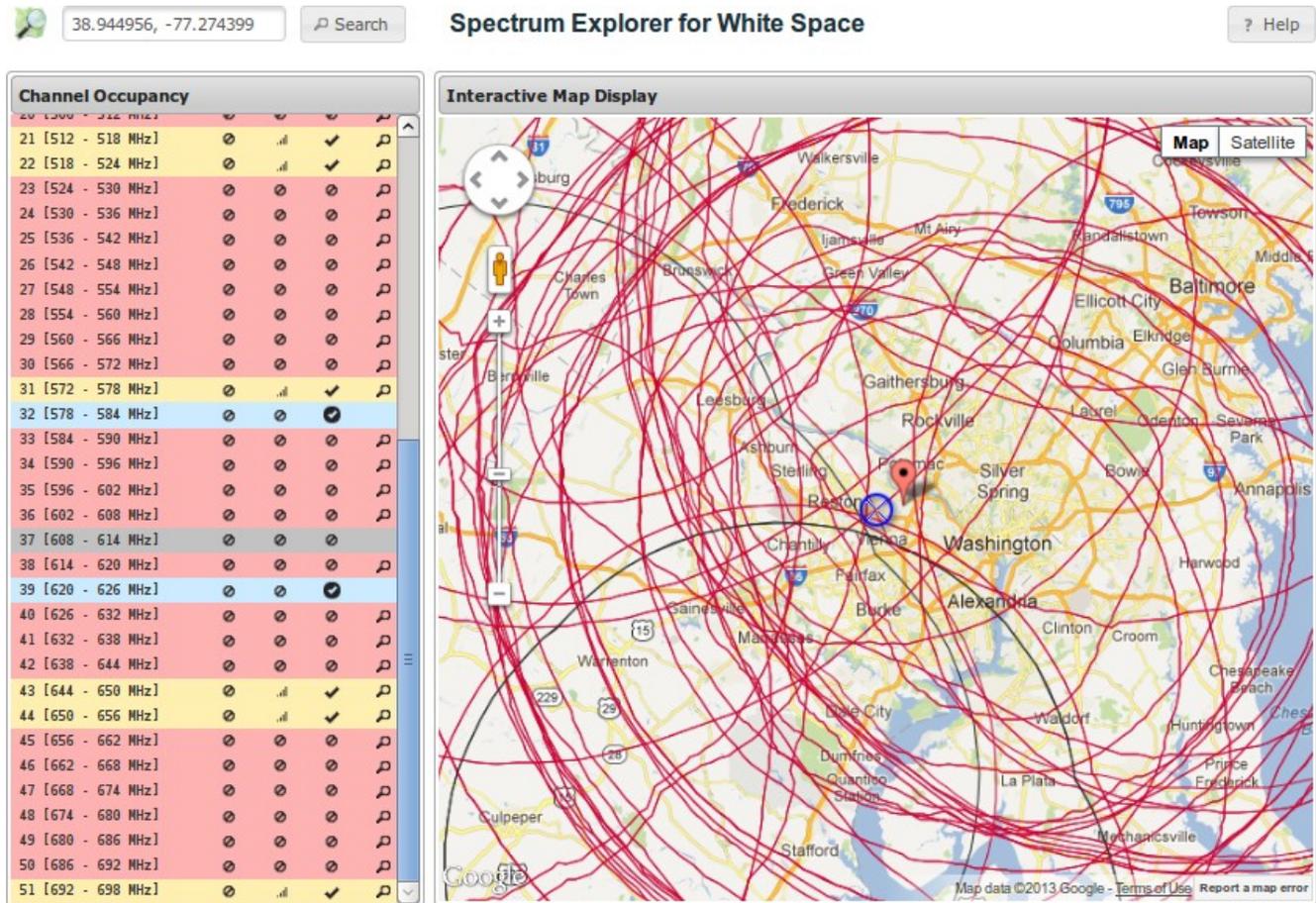


Key Bridge Spectrum Explorer

The Key Bridge Spectrum Explorer for White Space is rich Internet application useful for exploring, providing integrated mapping, database search and cross-reference functionality to help you quickly identify and understand your White Space operating environment.



Searching the Database

All spectrum occupancy searches are initiated by entering a search criterion in the location field and then clicking the search button: The Interactive Map Display and Channel Occupancy panels will automatically update to your desired location.

The Key Bridge location search attempts to find street addresses, geographic coordinates and map features.

- Search by Address
Enter an address, zip code, city/state pair or prominent location name in the Address Search field, then click the search button.
- Search by Coordinate
You may directly enter a coordinate in the location search input field or drag and zoom the

Interactive Map Display to place the reticule over a point of interest. Note that the as you drag and zoom the map the search input is automatically updated to coordinates under the reticule. Coordinates must be decimal formatted and separated by a comma: e.g. "latitude, longitude"

- Search by Map Feature Name

Major map features may be found by their popular name. For example, "The White House" will resolve to "1600 Pennsylvania Avenue" with coordinates 38.897737, -077.036320.

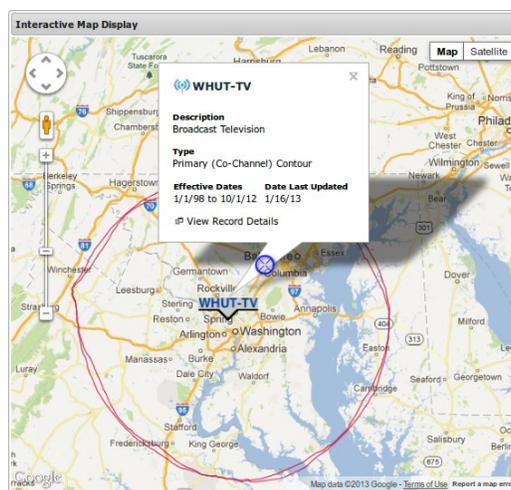
Viewing Search Results

The Search Result data table shows 23 records per page, and the the full set of available records is viewable by clicking on the Next and Previous pagination navigator controls at the top of the data table.

The availability of each channel for unlicensed operation is indicated both by the row color of the channel record and by the indicator icons for Fixed Access Points, Transportable Access Points and Wireless Microphones.

Whenever a White Space Registration is discovered to constrain or restrict a channel's availability for unlicensed operation a Station Detail Search link is displayed next to the channel summary. Clicking on the Station Detail Search link updates the Interactive Map Display to plot each White Space Registration transmitter as a named Map Marker plus each White Space Registration contour.

Clicking on the Map Marker will open a summary window displaying more information about the White Space Registration.



Results at Contour's Edge

You may notice that a channel may remain blocked or that channel availability is not consistent for different device types when your location just outside of a geographic contour.

This occurs when the contour represents a broadcast television station (digital, class A, low power, etc.) because the plotted contour is the respective station's baseline profile. Actual channel availability is calculated from this baseline contour plus a buffer, the distance of which is determined by the inquiring device. See the White Space Rules at 47 CFR 15.712(a) for more information about this requirement.