

Using API Suite: eCoverage - RF Design

SiteSync Pro



eCoverage API init request to make the study

```
http://api.wirelessapplications.com/1.0/eCoverage/init/?&api_key={your key here }  
&responseFormat=XML&lat=47.49378668&lon=-121.78300090&height=150&heightUnits=  
=ft&frequency=1950&watts=100&antennaModel=&azimuth=&tilt=&thresholds=  
-104~243~247~139|-95~247~168~139|-85~137~164~199|-75~184~218~166|-65~235~196~180  
&fadeMargin=&shape=&radials=&resolution=
```

Output request for Shape file

```
http://api.wirelessapplications.com/1.0/eCoverage/getOutput/?&api_key={your key here }  
&responseFormat=XML&propagationIdentifier=4733777&output=shp&kmlType=&  
imageHeight=&imageWidth=&imageMapRes=&imageMapZoom=
```

How you Call it

Shape file
in vector
format



How we use it

TrollComm and API Mashup



Response from API

```
<WacApi>  
<ErrorCode>0</ErrorCode>  
<DateGenerated>08/24/2010 13:08:38</DateGenerated>  
<OutputUrl>  
http://api.wirelessapplications.com/1.0/temp/RFProp_rf_4733777.zip  
</OutputUrl>  
<Parameters>  
<PropagationIdentifier> {unique ID} </PropagationIdentifier>  
<ApiKey> {your key here } </ApiKey>  
<Output>tab </Output>  
<ImageType>PNG </ImageType>  
<ImageHeight>200 </ImageHeight>  
<ImageWidth>200 </ImageWidth>  
<ImageMapRes>2 </ImageMapRes>  
<ImageMapZoom>/>  
<KmlType>RASTER </KmlType>  
<ResponseFormat>XML </ResponseFormat>  
</Parameters>  
</WacApi>
```

How you can use it

api.wirelessapplications.com